

Figure S1: Relationship between the mean of protein amount and standard deviation of spots before (a) and after (b) transformation of normalized spot values.

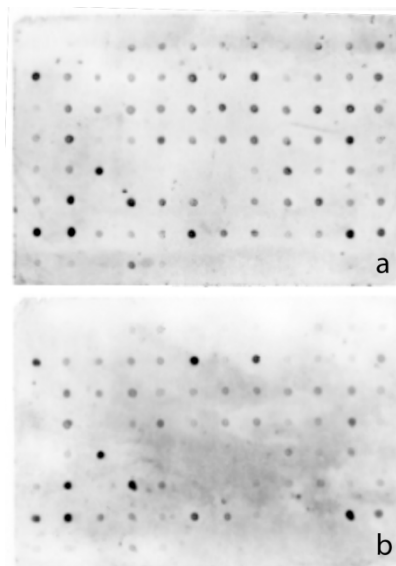


Figure S2: Representative dot blot hybridization of array 2 employing immature (a) or mature (b) testers obtained from total RNA, which shows differential expression of tested probes.

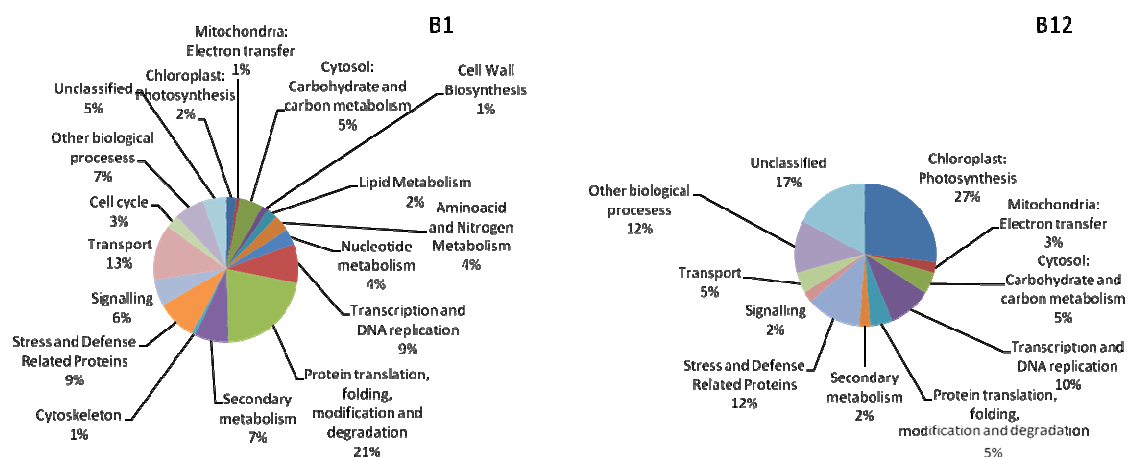


Figure S3: Classification of the non redundant genes present in immature (B1) and mature (B12) needles subtractive libraries; the ontology classification was determined for biological process/metabolic pathway according to KEGG. Relative proportions of each ontology terms are expressed.

Figure S4: Single-peptide spectra corresponding to de identification of spot 0109.

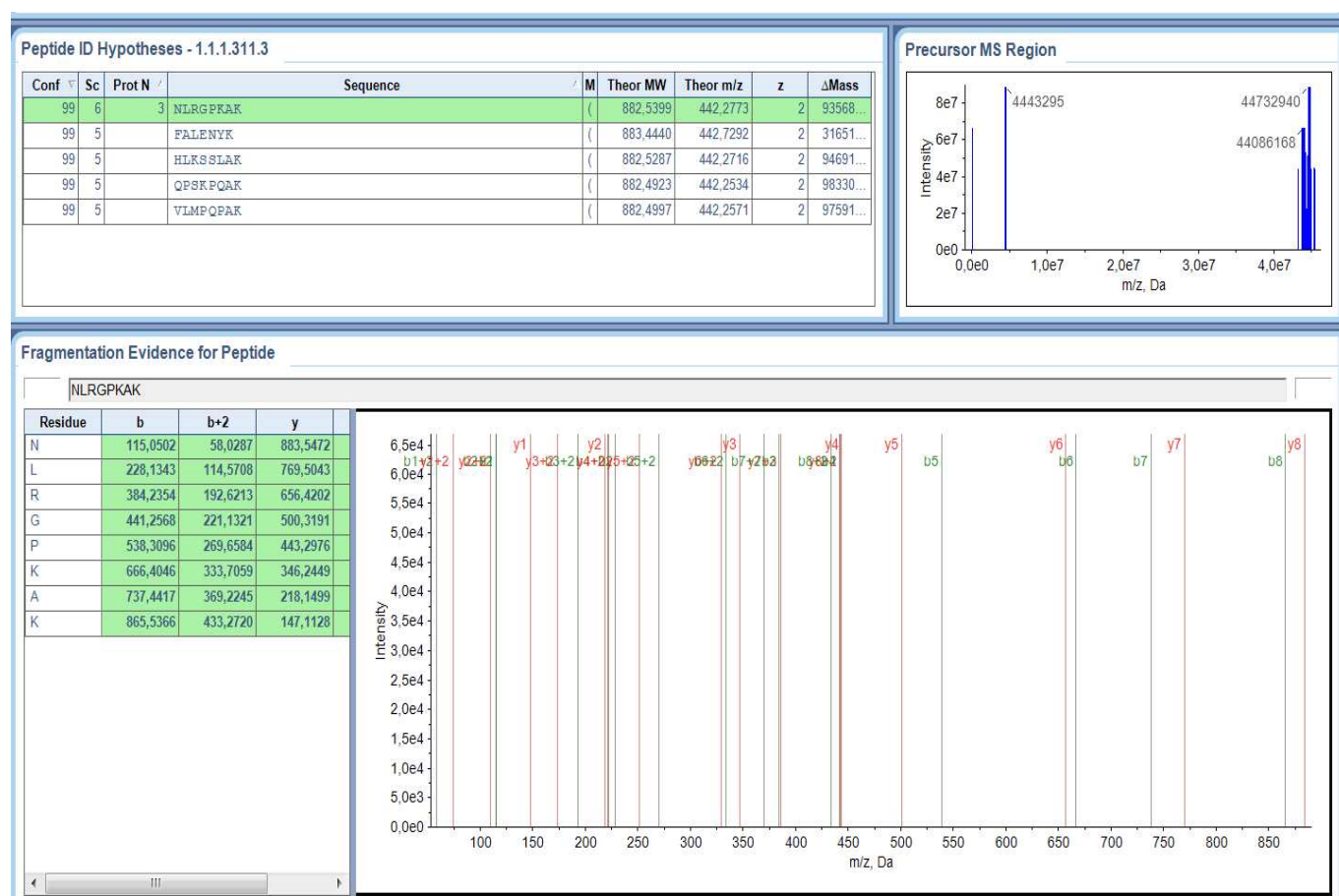


Figure S5: Single-peptide spectra corresponding to de identification of spot 2006.

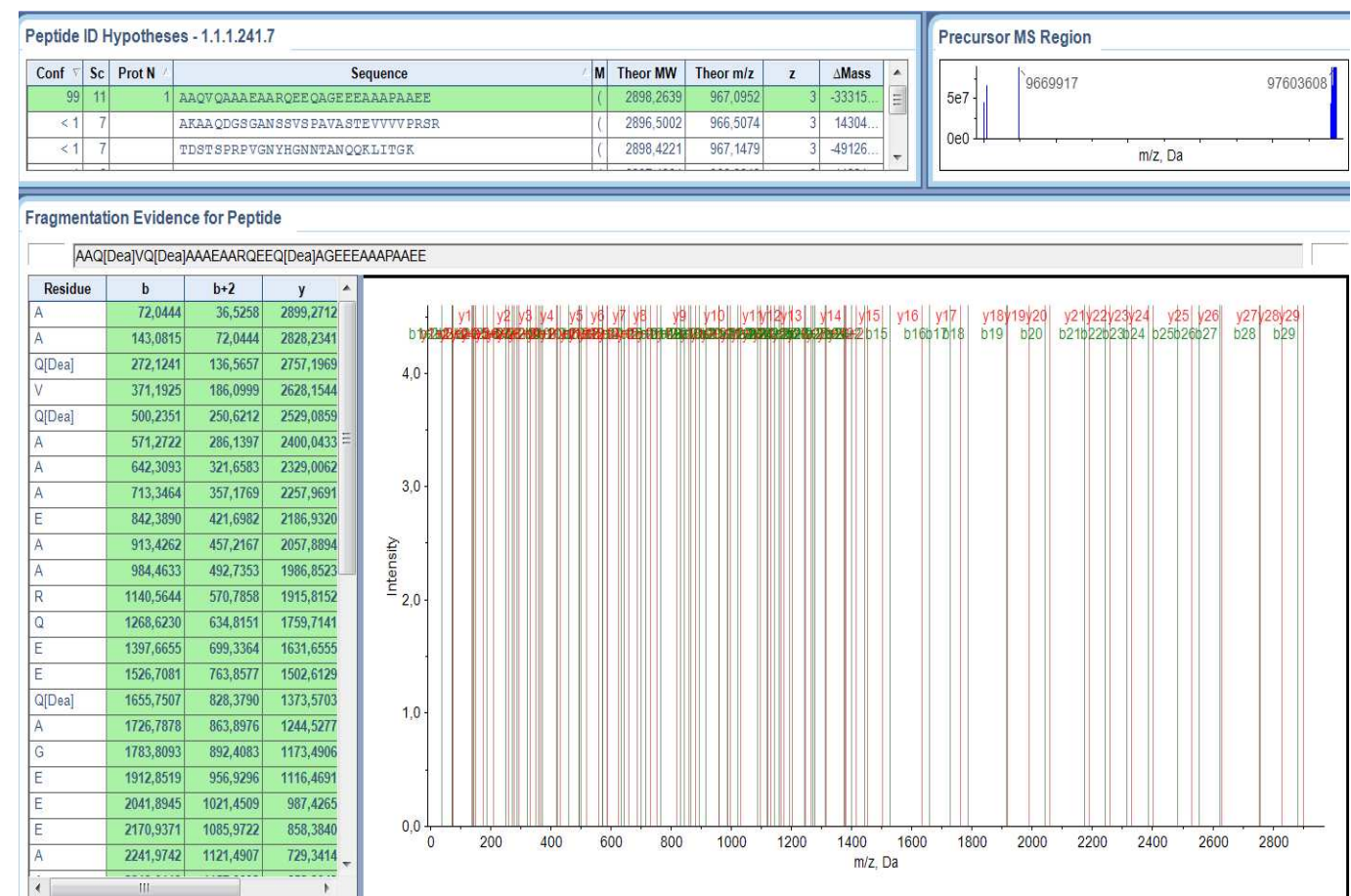
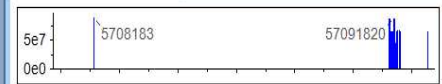


Figure S6: Single-peptide spectra corresponding to de identification of spot 2007.

Peptide ID Hypotheses - 1.1.1.390.4

Conf	Sc	Prot N	Sequence	M	Theor MW	Theor m/z	z	ΔMass
99	5	1	MAKNARRPPN(L)NVPK	(	1705.9410	569.6543	3	48218.3

Precursor MS Region



Fragmentation Evidence for Peptide

MAKNARRPPN(Dea)LNVPK

Residue	b	b+2	y
M	132,0478	66,5275	1706,9483
A	203,0849	102,0461	1575,9078
K	331,1798	166,0936	1504,8707
N	445,2228	223,1150	1376,7757
A	516,2599	258,6336	1262,7328
R	672,3610	336,6841	1191,6957
R	828,4621	414,7347	1035,5946
P	925,5149	463,2611	879,4934
P	1022,5676	511,7875	782,4407
N(Dea)	1137,5946	569,3009	685,3879
L	1250,6786	625,8430	570,3610
N	1364,7216	682,8644	457,2769
V	1463,7900	732,3986	343,2340
P	1560,8427	780,9250	244,1656
K	1688,9377	844,9725	147,1128

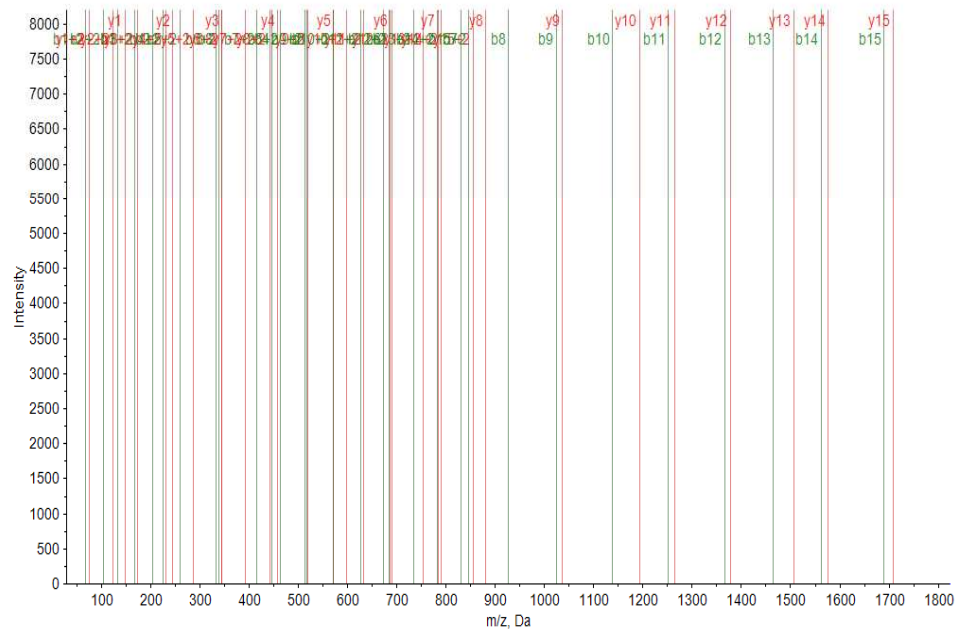


Figure S7: Single-peptide spectra corresponding to de identification of spot 3611.

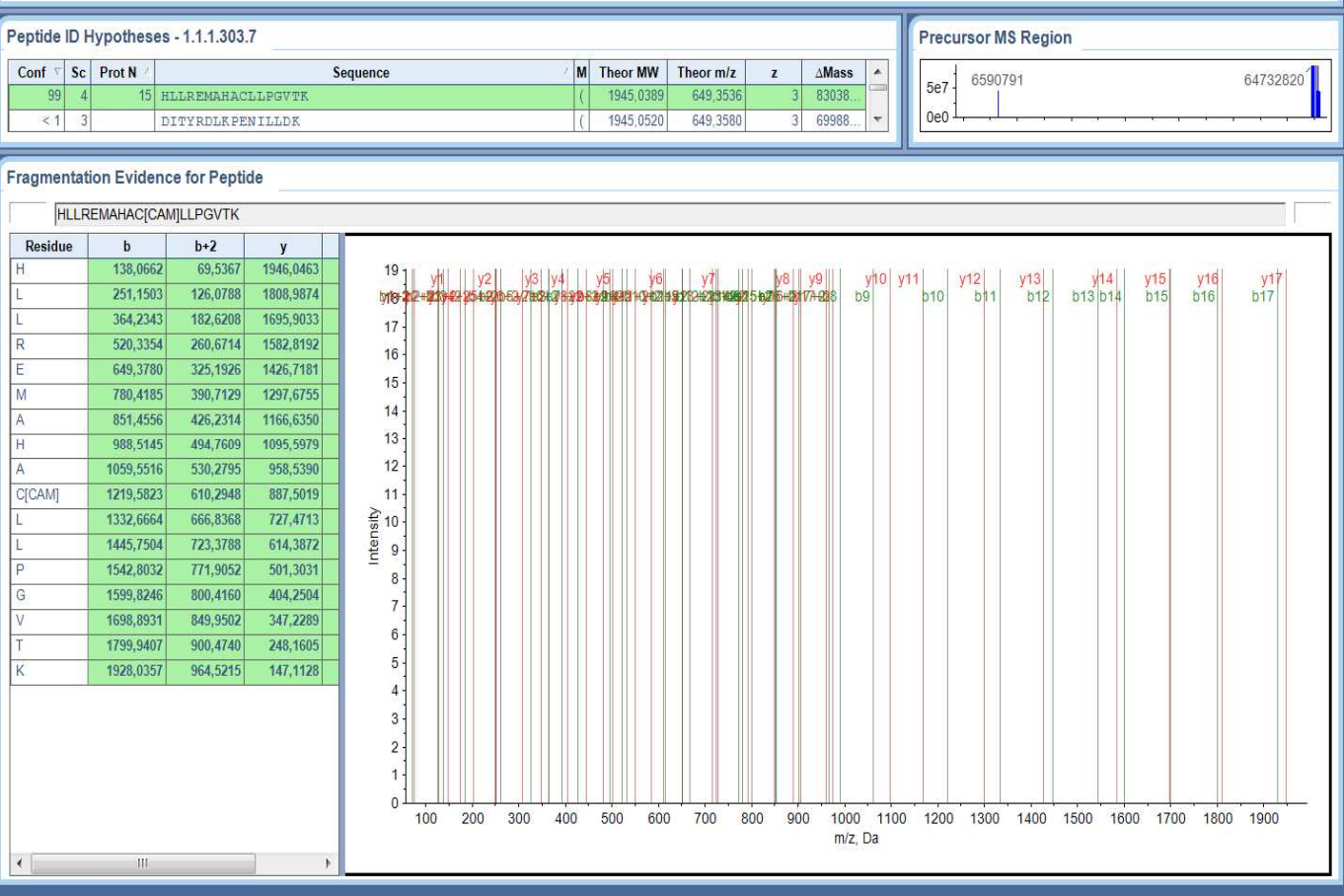


Figure S8: Single-peptide spectra corresponding to de identification of spot 5404.

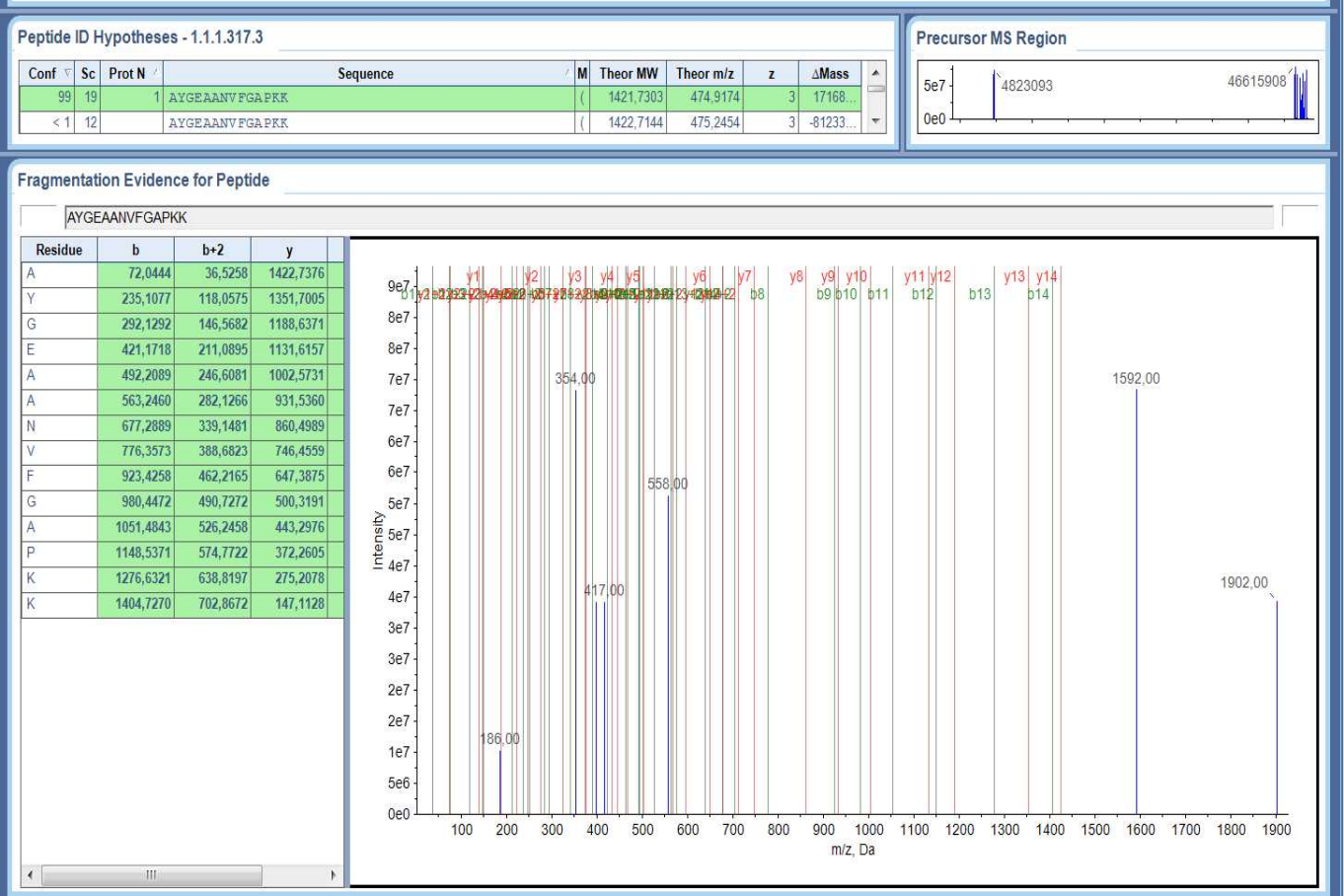


Figure S9: Single-peptide spectra corresponding to de identification of spot 6001.

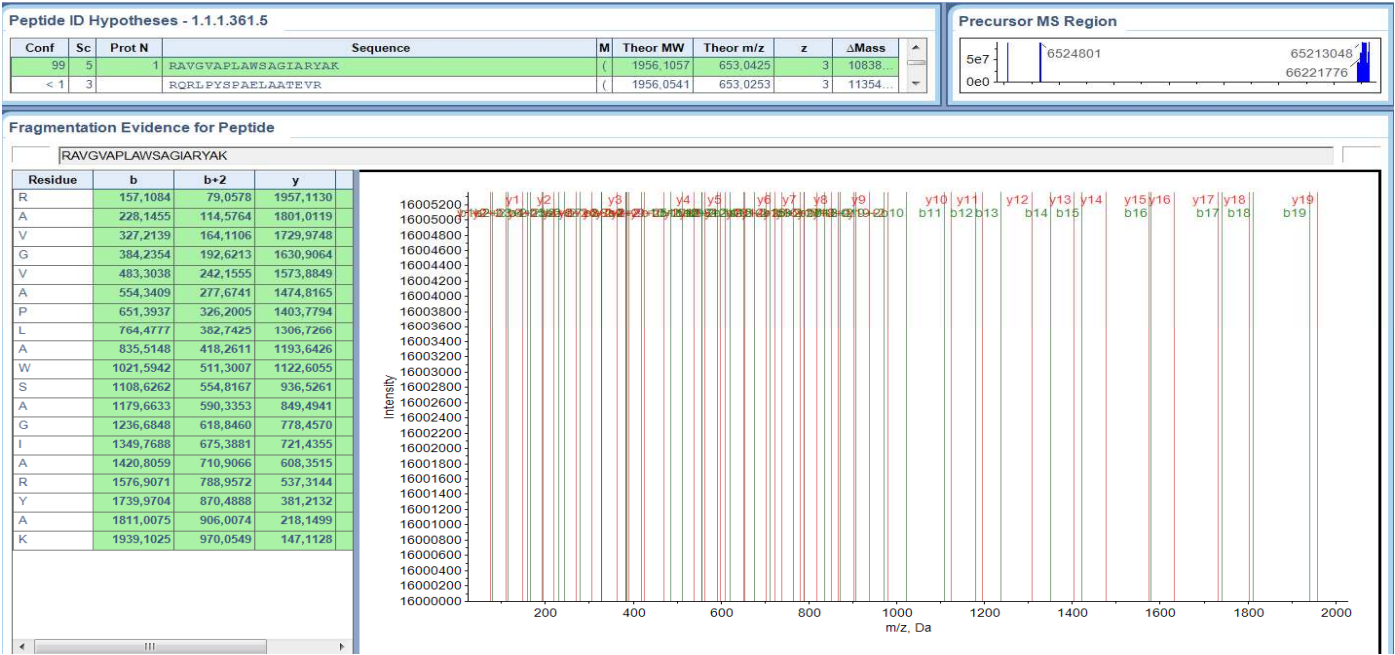


Figure S10: Single-peptide spectra corresponding to de identification of spot 6307.

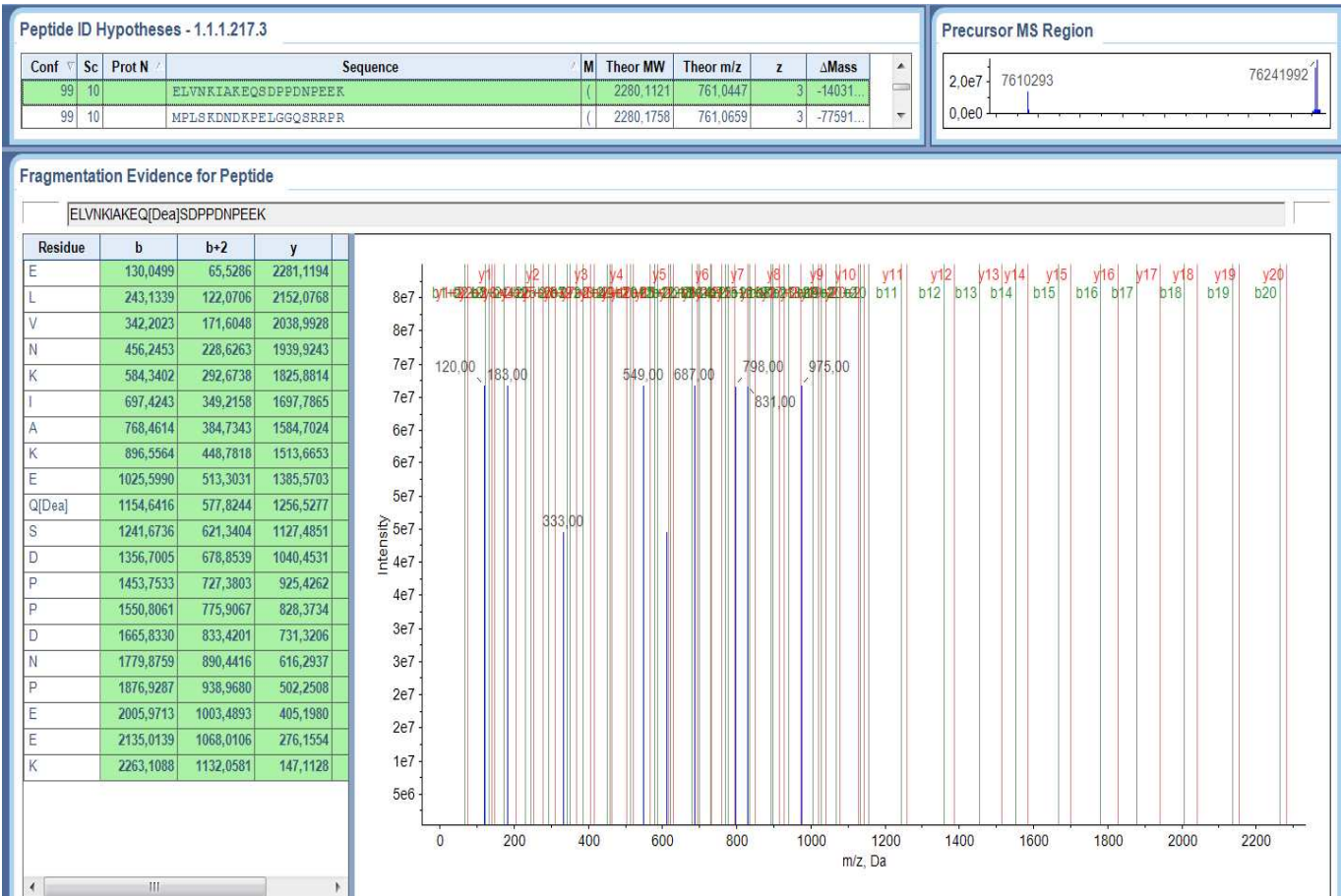


Figure S11: Single-peptide spectra corresponding to de identification of spot 6804.

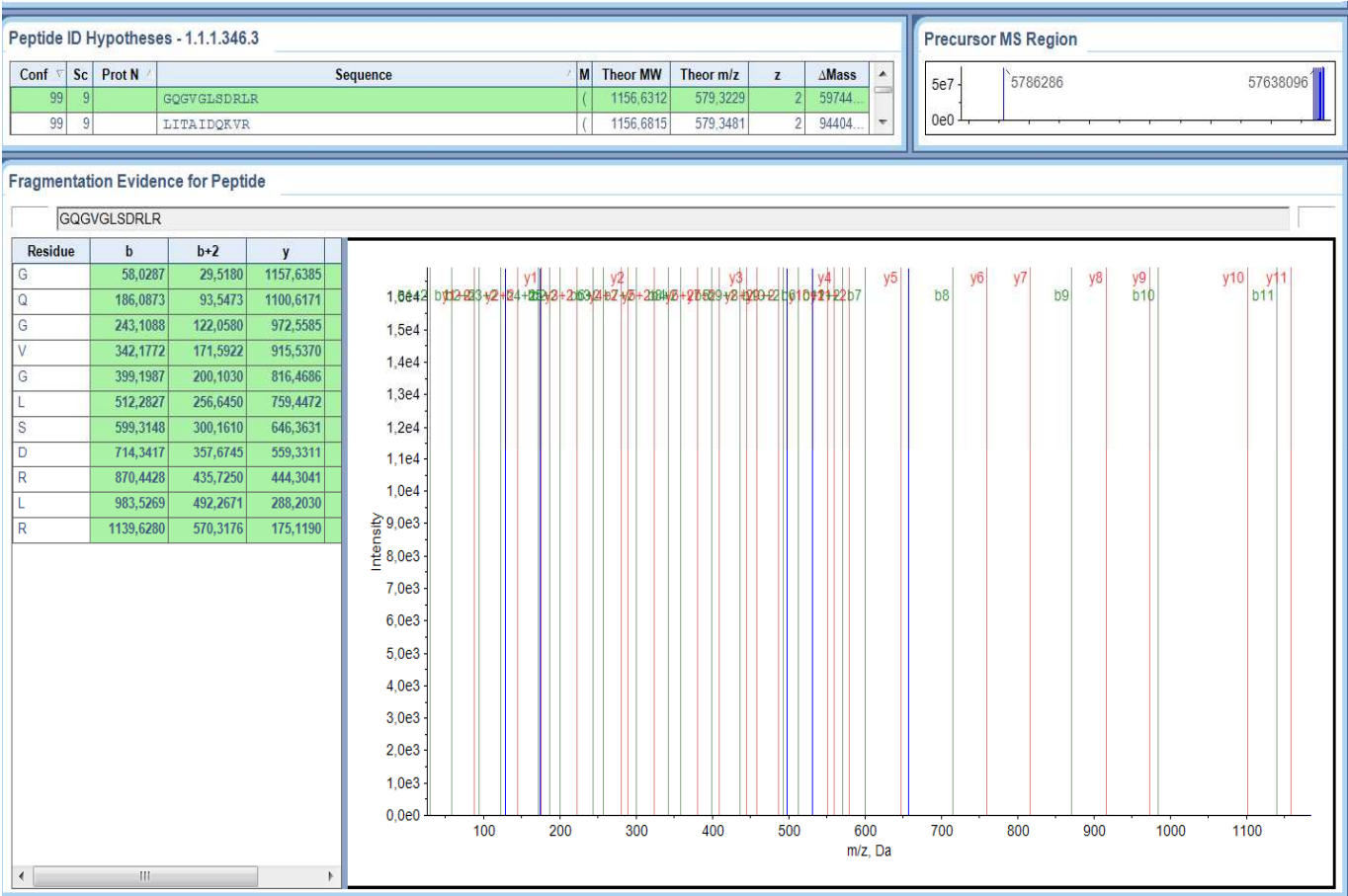
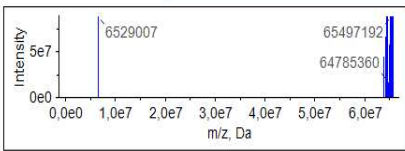


Figure S12: Single-peptide spectra corresponding to de identification of spot 8803.

Peptide ID Hypotheses - 1.1.1.336.3

Conf	Sc	Prot N	Sequence	M	Theor MW	Theor m/z	z	ΔMass
99	9	1	AYGEAANVFGAPK	(	1293.6354	647.8250	2	76048...
< 1	4	7	ENQFGVERESK	(	1293.6201	647.8173	2	91304...
< 1	6		AYGEAANVFGAPK	(	1294.6194	648.3170	2	-90796...
< 1	5		FSEKNQMGQPK	(	1293.6023	647.8085	2	10906...
< 1	4		LYRTEDDRIE	(	1293.6426	647.8286	2	68837

Precursor MS Region



Fragmentation Evidence for Peptide

