Supplementary Information for:

Proteomic analysis of extracellular matrix from the hepatic stellate cell line LX-2 identifies CYR61 and Wnt-5a as novel constituents of fibrotic liver

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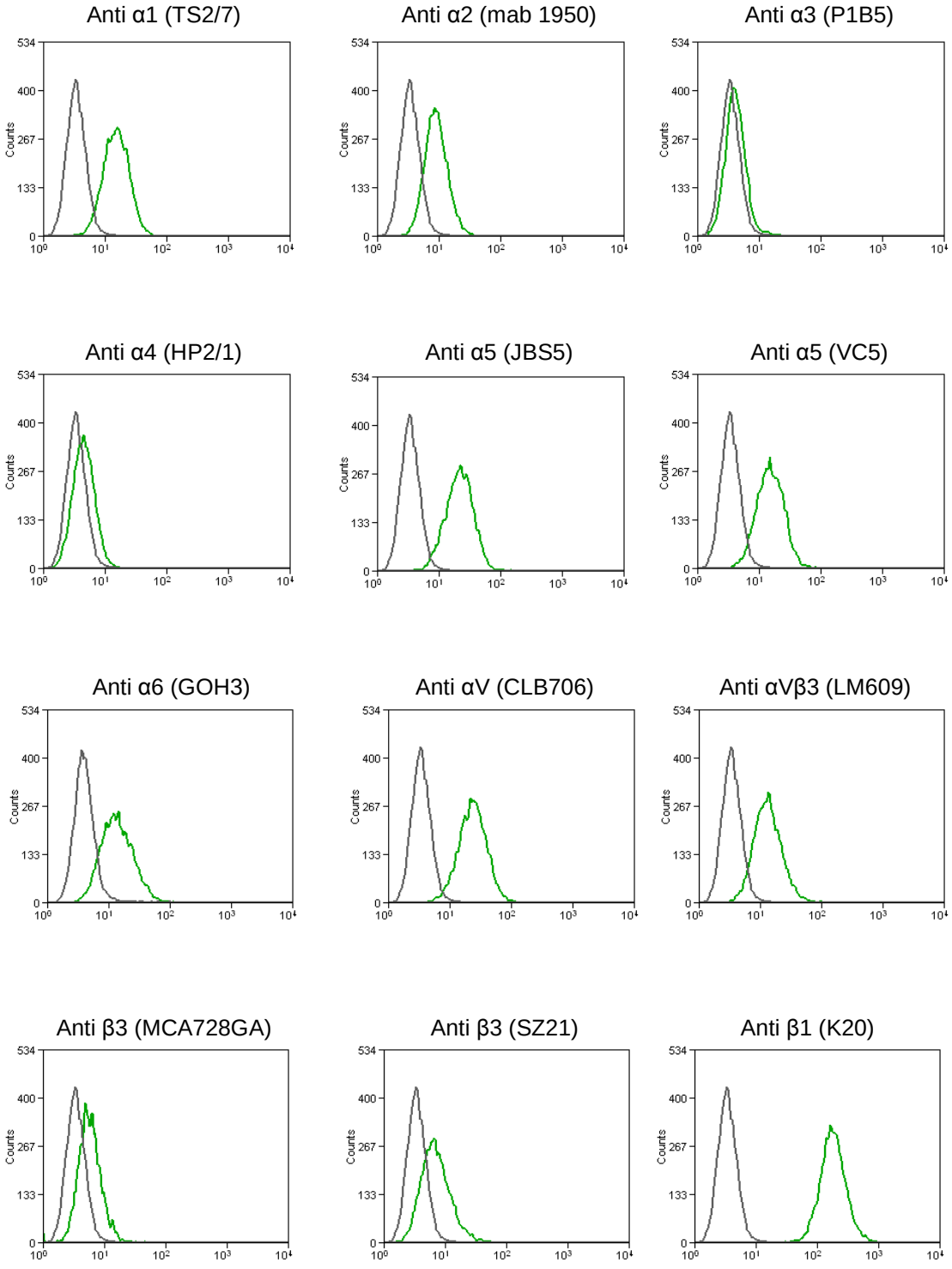
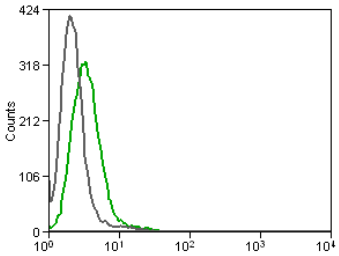
Cells were either detached with trypsin EDTA or Hank's Balanced Salt Solution with Phenol Red without calcium and magnesium (Lonza Bioscience, Wokingham, UK) supplemented with EDTA. Cells were resuspended at 0.5–1 × 107 cells/ml in phosphate-buffered saline (PBS; Lonza Bioscience, UK) containing 1% (v/v) FCS (PBS-FCS). Antibodies were added to a final concentration of 10–20 µg/ml and incubated for 60 min on ice. Cells were washed with PBS-FCS, and anti-mouse IgG–FITC or anti-rat IgG–FITC conjugated antibodies were added at 1:200 dilution in PBS-FCS for 45 min on ice. Cells were then washed with PBS-FCS and fixed with 0.4% (v/v) formaldehyde in PBS. Cells were analysed with a Beckman Coulter Cyan ADP FACS machine (Beckman Coulter Limited, High Wycombe, UK).

Figure S1 LX-2 flow cytometry

Flow cytometry was performed with a panel of anti-integrin antibodies and the LX-2 cell line. The x-axis denotes fluorescence intensity and the y-axis shows cell count. Green lines are for the indicated antibodies (clone name) and black lines are for appropriate species specific negative controls.



Anti PAR (1A/b)



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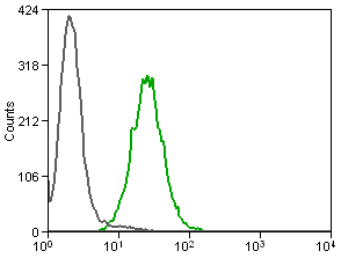
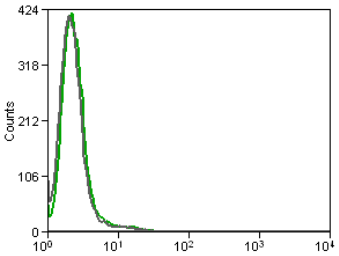
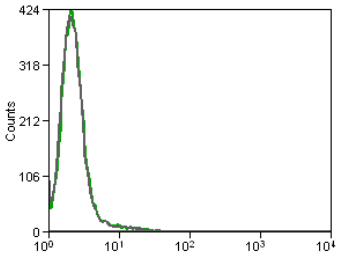


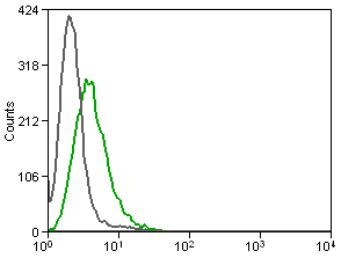
Anti β6 (10D5)



Anti β8 (37E1)



Anti β5 (ALULA)



Anti β1 (K20)

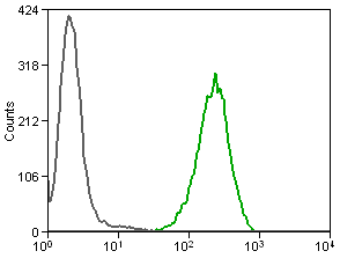


Figure S2. Replicate patient staining of fibulin 2, Wnt-5a and CYR61 in human fibrotic liver sections with negative control staining.

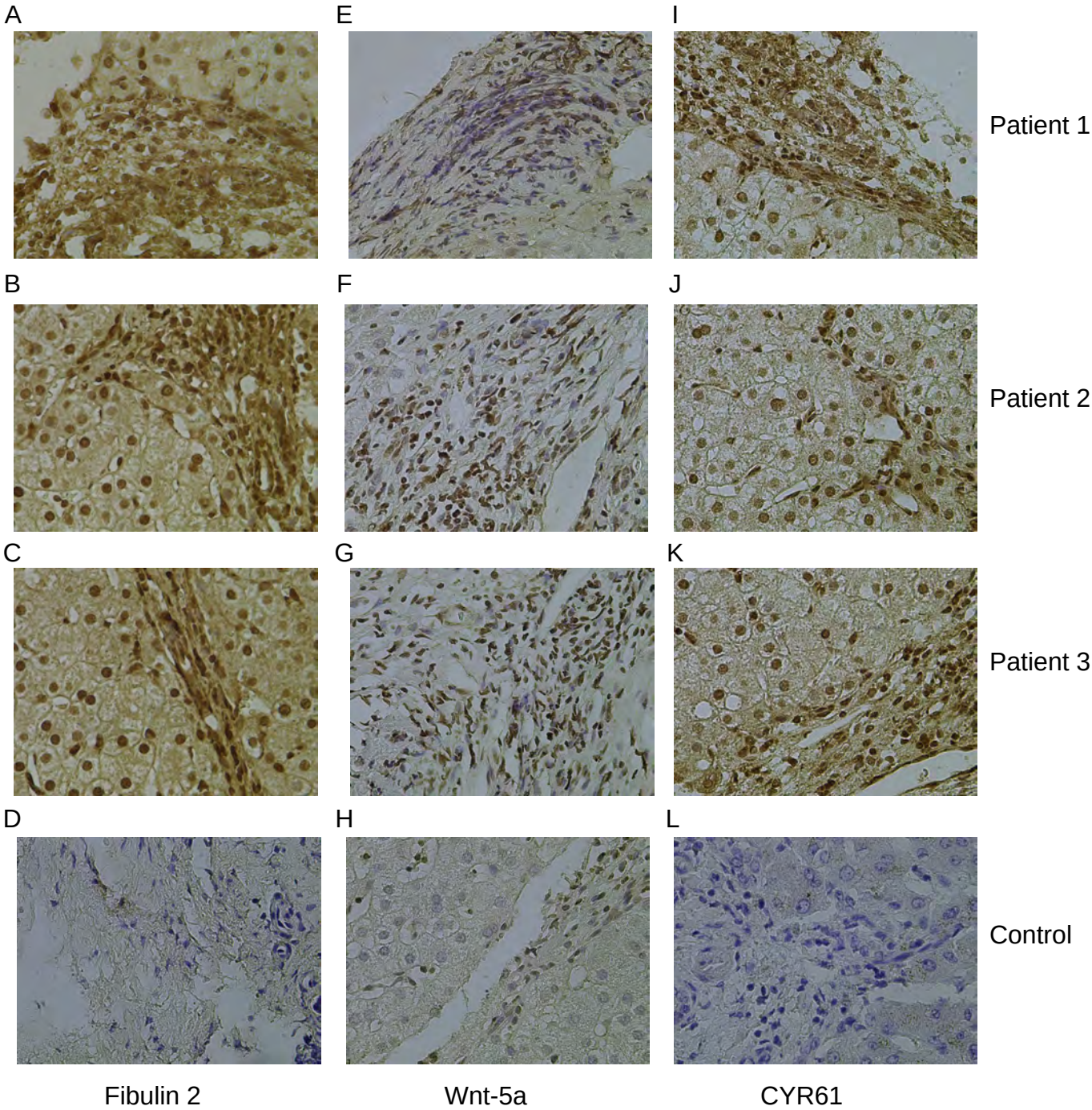


Figure S2. A–L, representative images of histological sections from three different patients demonstrating immunohistochemical staining in human hepatitis C virus-induced liver fibrosis. Fibulin-2 staining (A, B and C) was observed within fibrotic areas. Wnt-5a (E, F and G) and CYR61 (I, J and K) staining was localised to fibrotic septa in human liver tissue. Sections displayed are from three different individual patients. Control (D, H and L) indicates section stained with the omission of the primary antibody. Images were acquired at 400× magnification.

Figure S3. Replicate animal staining of Wnt-5a and CYR61 in mouse fibrotic liver sections with negative control staining.

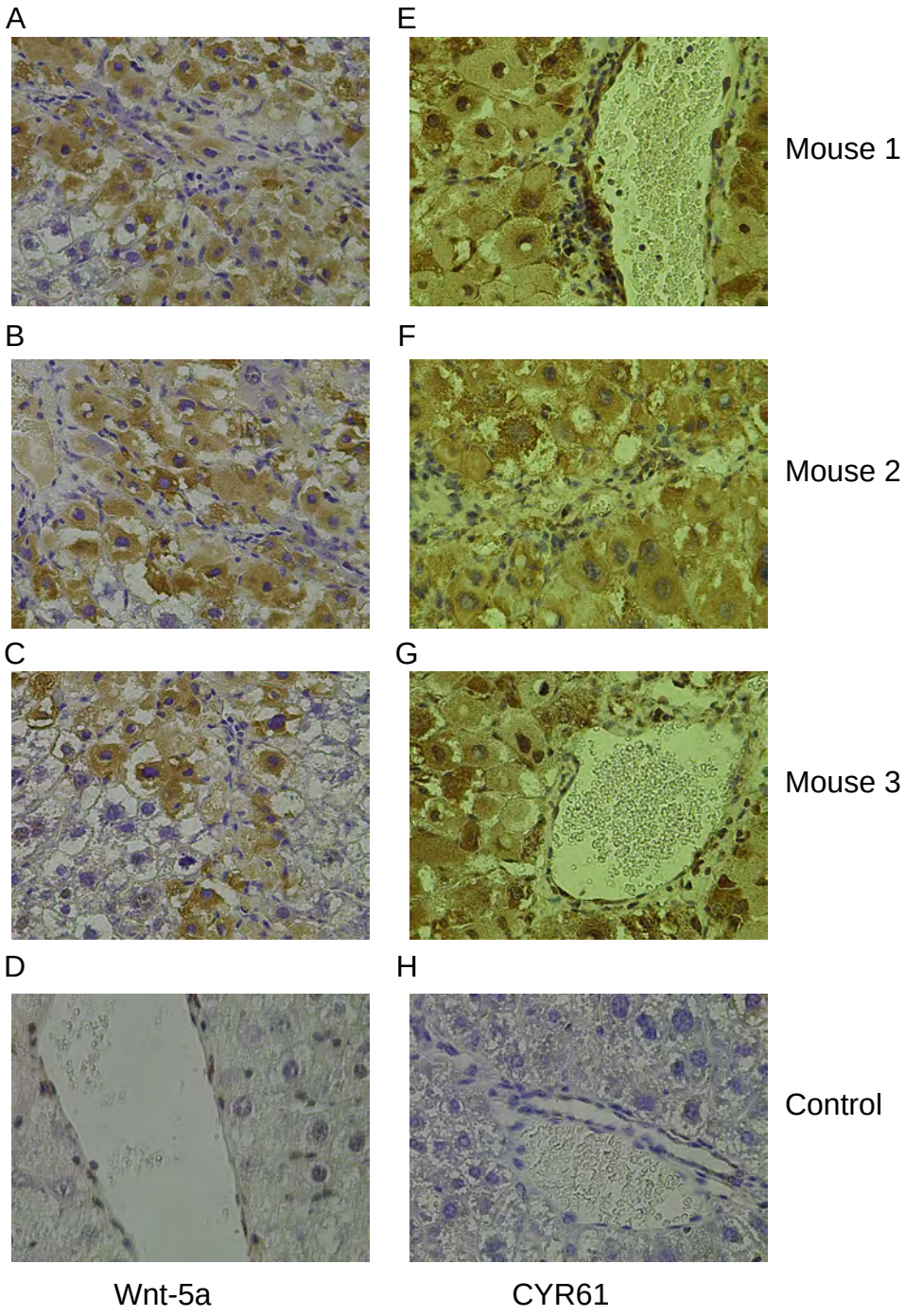
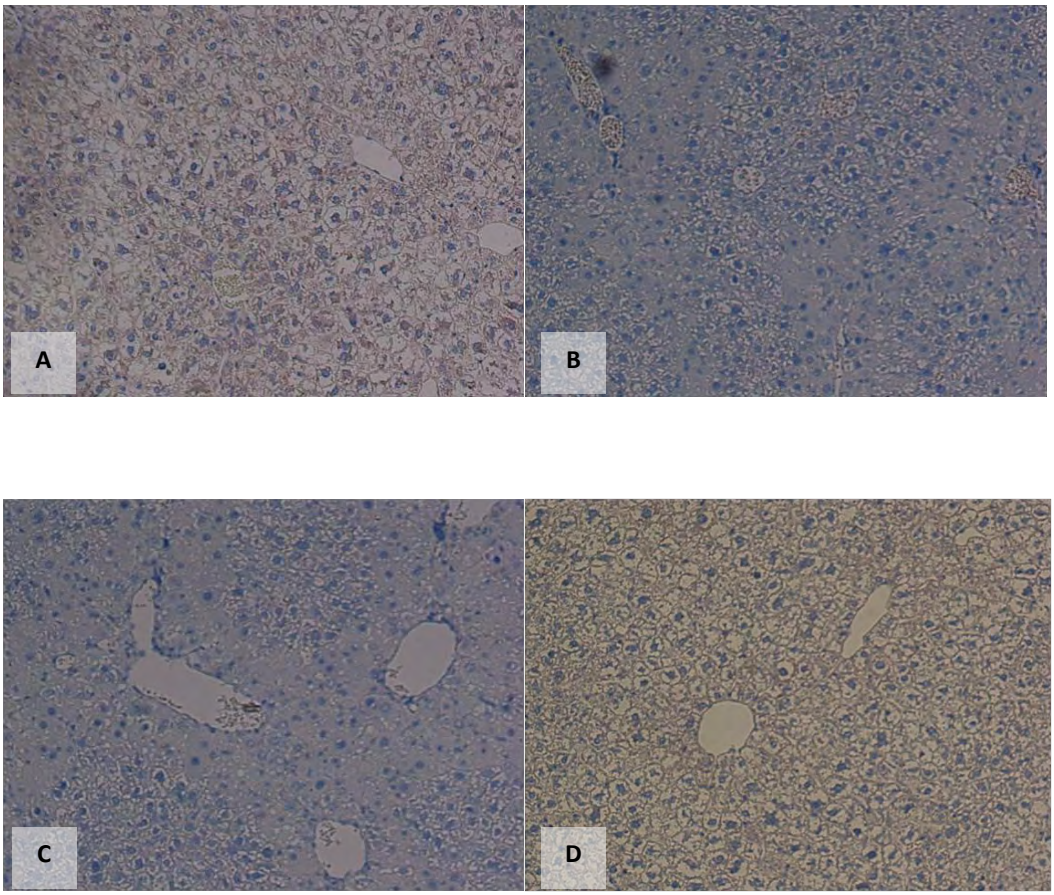


Figure S3. A–H, representative images of histological sections from three different animals demonstrating immunohistochemical staining in murine CCl4-induced liver fibrosis. Wnt-5a (A, B and C) and CYR61 (E, F and G) both heavily stained peri-fibrotic areas in murine liver tissue. Sections displayed are from three different individual animals. Control (D and H) indicates section stained with the omission of the primary antibody. Images were acquired at 400× magnification.

Figure S4. Control staining of Wnt-5a and CYR61 in mouse fibrotic liver sections and normal liver sections.



A: Incubation of fibrotic murine liver tissue without the antibody to CYR61(negative control) x10 objective.

B: Incubation of normal murine tissue with CYR61 x10 objective.

C: Incubation of fibrotic murine liver tissue without the antibody to WNT5a (negative control) x10 objective.

D: Incubation of normal murine tissue with WNT5a x10 objective.

Liver sections from three mice treated with CCL4 to induce liver fibrosis were stained for both CYR61 and WNT5a, using the techniques detailed in the methods section. Negative control tissue, in which the primary antibody was omitted, did not stain positively (see panels A and C) and normal murine liver tissue did not stain positively for either CYR61 (see panel 1B) or WNT5a (panel 1D).

Table S1 Protein identifications for all biolaeical reaeats of LX-2 and HFF CDM aurifications
Threshold criterion for peptides: 90.0% minimum
Threshold criteria for proteins: 99.0% minimum and 2 peptides minimum

Biological sample category	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage
LX-2 Repeat 1	ATAD3A ATPase family, AAA domain containing 3A	IPI00295992;IPI00643435;IPI00646144	64,338.10	99.80%	2	2	3	4.37%
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%
LX-2 Repeat 1	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714;IPI00853068	15,262.60	99.80%	2	2	4	16.90%
LX-2 Repeat 1	HADHA Trifunctional enzyme subunit alpha, mitochondrial precursor	IPI00031522	82,983.90	100.00%	11	11	11	19.80%
LX-2 Repeat 1	CAPZA1 F-actin-caseinz protein subunit alpha-1	IPI00005969	32,905.10	100.00%	3	3	3	15.00%
LX-2 Repeat 1	TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor	IPI00005563	52,369.00	100.00%	3	3	6	6.85%
LX-2 Repeat 1	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108,562.80	100.00%	10	10	22	15.40%
LX-2 Repeat 1	THY1 Thy-1 membrane glycoprotein precursor	IPI00022892;IPI00555577	15,885.70	100.00%	3	3	8	26.90%
LX-2 Repeat 1	KRT18 Keratin, type I cytoskeletal 18	IPI00547788;IPI00784347	48,041.00	100.00%	3	3	10	7.67%
LX-2 Repeat 1	AGRN Aarin precursor	IPI00374563	214.820.00	100.00%	9	9	16	5.82%
LX-2 Repeat 1	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	100.00%	3	3	4	19.60%
LX-2 Repeat 1	CPNE1 Copine-1	IPI00018452	59,040.60	99.80%	2	2	3	5.40%
LX-2 Repeat 1	EEF1A1 Elonaation factor 1-alpha 1	IPI00396485;IPI00472724	50.167.40	100.00%	8	9	28	21.90%
LX-2 Repeat 1	ARPC3 Actin-related protein 2/3 complex subunit 3	IPI00005162;IPI00796102	11,529.20	100.00%	3	3	6	27.30%
LX-2 Repeat 1	LAMB2 Laminin subunit beta-2 precursor	IPI00296922	195,957.90	99.80%	2	2	2	2.73%
LX-2 Repeat 1	BCAM Lutheran blood group glycoprotein precursor	IPI00002406;IPI00554618;IPI00794214	67,385.90	99.80%	2	2	2	3.82%
LX-2 Repeat 1	LMNA Isoform A of Lamin-A/C	IPI00021405;IPI00216952;IPI00216953;IPI00514204,IPI00644087,IPI00655812	55,621.60	100.00%	4	4	5	8.83%
LX-2 Repeat 1	H2AFV Histone H2AV	IPI00018278;IPI00218448;IPI00555841	15.470.10	99.80%	2	2	5	22.00%
LX-2 Repeat 1	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018;IPI00795257	31,530.00	100.00%	4	4	5	21.80%
LX-2 Repeat 1	FBN2 fibrillin 2 precursor	IPI00019439;IPI00784315	314,713.50	100.00%	7	7	19	3.43%
LX-2 Repeat 1	LAMC1 Laminin subunit gamma-1 precursor	IPI00298281	177,587.10	100.00%	4	4	4	3.54%
LX-2 Repeat 1	RPS3A 40S ribosomal protein S3a	IPI00419880;IPI00472119	29,953.50	99.80%	2	2	2	6.06%
LX-2 Repeat 1	TGFBI Transformine erowth factor-beta-induced protein ie-h3 orecursor	IPI00018219	74.664.90	100.00%	24	27	57	49.30%
LX-2 Repeat 1	RAB1B Ras-related protein Rab-1B	IPI00008964	22,154.00	100.00%	3	3	8	18.90%
LX-2 Repeat 1	PFKP 6-phosphofructokinase type C	IPI00007962;IPI00643196	85,299.10	99.80%	2	2	3	2.84%
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534;IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,971.70	100.00%	5	6	76	38.10%
LX-2 Repeat 1	RPS8 40S ribosomal protein S8	IPI00216587;IPI00645201	21,862.70	100.00%	5	6	9	34.00%
LX-2 Repeat 1	PCBP2 polvrC)-bindine protein 2 isoform a	IPI00012066;IPI00216689;IPI00470509;IPI00796337	38.634.00	99.80%	2	2	2	6.56%
LX-2 Repeat 1	TMEM43 Transmembrane protein 43	IPI00301280	44,858.80	100.00%	12	13	15	38.20%
LX-2 Repeat 1	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	100.00%	12	13	38	64.30%
LX-2 Repeat 1	VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145;IPI00216024,IPI00216026,IPI00455531,IPI00855744,IPI00855973	36,214.30	100.00%	7	7	16	29.90%
LX-2 Repeat 1	ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	37,822.40	100.00%	7	7	14	31.00%
LX-2 Repeat 1	PRSS23 Serine protease 23 orecursor	IPI00026941	42.984.40	100.00%	5	5	13	17.20%
LX-2 Repeat 1	HSPB0A81 85 kDa protein	IPI00334775;IPI00414676	84,743.60	100.00%	3	3	4	5.71%
LX-2 Repeat 1	BANF1 Barrier-to-autointegration factor	IPI00026087	10,040.70	100.00%	6	6	15	62.90%
LX-2 Repeat 1	SURF4 Isoform 1 of Surfeit locus protein 4	IPI00005737;IPI00399142,IPI00641719	21,110.80	99.80%	2	2	2	16.70%
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%
LX-2 Repeat 1	FGF2 fibroblast arowth factor 2	IPI00154603	30.752.70	99.80%	2	2	2	6.94%
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	107,122.60	100.00%	9	10	13	14.30%
LX-2 Repeat 1	RPL15 60S ribosomal protein L15	IPI00470528;IPI00550052	24,156.50	100.00%	4	4	11	20.60%
LX-2 Repeat 1	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	100.00%	3	3	8	21.60%
LX-2 Repeat 1	ANXA1 Annexin A1	IPI00218918,IPI00549413	22,738.00	99.80%	2	2	2	12.70%
LX-2 Repeat 1	RPL13A 60S ribosomal protein L13a	IPI00304612;IPI00398964,IPI00746448	23.140.30	99.60%	2	2	3	8.78%
LX-2 Repeat 1	ABCD3 ATP-binding casatte sub-family D member 3	IPI00002372	75,461.20	100.00%	3	3	11	5.77%
LX-2 Repeat 1	EGFL7 EGF-like domain-containing protein 7 precursor	IPI00383960	29,598.80	100.00%	3	3	8	16.50%
LX-2 Repeat 1	TOMM40 Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	IPI00014053	37,875.10	100.00%	3	3	5	10.80%
LX-2 Repeat 1	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	100.00%	4	4	28	15.10%
LX-2 Repeat 1	FLNA Filamin-A	IPI00302592;IPI00333541,IPI00644576	276.523.10	99.90%	2	2	10	0.84%
LX-2 Repeat 1	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	100.00%	5	5	7	19.20%
LX-2 Repeat 1	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	30	31	76	17.20%
LX-2 Repeat 1	SAMM50 Sorting and assembly machinery component 50 homolog	IPI00412713	51,959.50	100.00%	3	3	7	8.74%
LX-2 Repeat 1	RPL24 60S ribosomal protein L24	IPI00306332;IPI00791426,IPI00793696	19,392.50	100.00%	3	3	6	17.90%
LX-2 Repeat 1	LAMB1 Laminin subunit beta-1 precursor	IPI00013976;IPI00853454	200.457.00	100.00%	4	4	13	4.03%
LX-2 Repeat 1	ANXA5 Annexin A5	IPI00329801	35,920.60	100.00%	4	4	6	16.60%
LX-2 Repeat 1	KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	9	9	18	17.50%
LX-2 Repeat 1	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	100.00%	4	4	7	32.50%
LX-2 Repeat 1	RPS9 40S ribosomal protein S9	IPI00221088	22,574.50	100.00%	5	5	9	19.10%
LX-2 Repeat 1	RPL23 60S ribosomal protein L23	IPI00010153;IPI00742805,IPI00795408	14.931.90	100.00%	3	3	4	30.70%
LX-2 Repeat 1	EIF3A Eukaryotic translation initiation factor 3 subunit 10	IPI00029012	166,556.90	99.40%	2	2	2	0.58%
LX-2 Repeat 1	ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00030476	56,542.50	100.00%	5	5	9	14.20%
LX-2 Repeat 1	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	99.90%	2	2	8	8.22%
LX-2 Repeat 1	GSN Isoform 1 of Gelsolin precursor	IPI00026314,IPI00646773	80,622.80	99.80%	2	2	2	3.15%
LX-2 Repeat 1	KRT1 Keratin, tvpe II cytoskeletal 1	IPI00220327	66.001.20	100.00%	17	17	104	28.70%
LX-2 Repeat 1	CD44 Isoform 3 of CD44 antigen precursor	IPI00297160,IPI00305064,IPI00418465,IPI00419219,IPI00827650,IPI00827658,IPI00827795,IPI00827893,IPI00827937,IPI00827982,IPI00828056,IPI00828064,IPI00828117,IPI00828192	75,926.60	100.00%	3	3	4	5.07%
LX-2 Repeat 1	NT5E 5'-nucleotidase precursor	IPI00009456	63,351.00	100.00%	13	14	28	33.30%
LX-2 Repeat 1	KRT9 Keratin, type I cytoskeletal 9	IPI00019359	62,113.00	100.00%	11	12	48	24.90%
LX-2 Repeat 1	ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	59,734.10	100.00%	7	7	8	17.20%
LX-2 Repeat 1	TUBB6 TUBB6 protein	IPI00646779	50.072.40	100.00%	3	3	6	32.70%
LX-2 Repeat 1	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	99.80%	2	2	2	20.60%
LX-2 Repeat 1	EEF2 Elongation factor 2	IPI00186290	95,322.10	100.00%	3	3	3	4.90%
LX-2 Repeat 1	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	100.00%	3	3	7	25.50%
LX-2 Repeat 1	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	5	5	18	30.30%
LX-2 Repeat 1	LMNB1 Lamin-B1	IPI00217975;IPI00790831	44.627.00	99.80%	2	2	3	5.94%
LX-2 Repeat 1	H2AFY H2A histone family, member Y isoform 2	IPI00059366;IPI00304171,IPI00744148	39,166.80	100.00%	3	3	3	8.13%
LX-2 Repeat 1	FBLN2 Fibulin-2 precursor	IPI00023824;IPI00465038	131,840.50	100.00%	6	7	12	6.01%
LX-2 Repeat 1	NCL Isoform 1 of Nucleolin	IPI00442462;IPI00604620,IPI00827674	74,380.20	99.90%	2	2	2	2.62%
LX-2 Repeat 1	RPL7A 60S ribosomal protein L7a	IPI00299573;IPI00479315	30,531.30	100.00%	6	6	17	22.20%
LX-2 Repeat 1	ANXA6 Annexin A6	IPI00002459;IPI00221226	75.859.50	100.00%	17	18	26	31.40%
LX-2 Repeat 1	RPL3 60S ribosomal protein L3	IPI00550021;IPI00651660	40,134.10	99.90%	2	2	2	5.93%
LX-2 Repeat 1	IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960;IPI00470829,IPI00554469	82,607.80	100.00%	4	4	7	6.83%
LX-2 Repeat 1	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	100.00%	6	6	12	12.70%
LX-2 Repeat 1	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524;IPI00301154,IPI00410017,IPI00478522,IPI00794246,IPI00796945	35,746.00	99.80%	2	2	2	5.99%
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53.634.60	100.00%	24	27	97	53.90%
LX-2 Repeat 1	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	63	68	222	26.70%
LX-2 Repeat 1	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067;IPI00455383	187,876.80	99.80%	2	2	4	1.28%
LX-2 Repeat 1	NID1 Isoform 1 of Nidogen-1 precursor	IPI00026944,IPI00384542	122,075.20	100.00%	15	15	20	15.20%
LX-2 Repeat 1	SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	34,045.20	99.80%	2	2	2	6.69%
LX-2 Repeat 1	SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	45.042.20	99.90%	2	2	2	9.20%
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,773.10	100.00%	5	5	8	21.80%
LX-2 Repeat 1	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	100.00%	2	3	4	10.50%
LX-2 Repeat 1	LAMA5 Laminin subunit alpha-5 precursor	IPI00783665	399,725.10	100.00%	15	15	28	5.60%
LX-2 Repeat 1	PPIB peptidylprolyl isomerase B precursor	IPI00646304	23,725.20	99.80%	2	2	2	12.00%
LX-2 Repeat 1	BST1 ADP-ribosyl cvclase 2 precursor	IPI00026240;IPI00657860	37.465.20	100.00%	3	3	3	9.91%
LX-2 Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	11	14	93	57.30%
LX-2 Repeat 1	GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	IPI00465121,IPI00748145	40,434.00	100.00%	8	9	12	30.40%
LX-2 Repeat 1	HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3I;HIST1H3B;HIST1H3A;HIST1H3J;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	15,386.70	100.00%	3	3	8	38.20%
LX-2 Repeat 1	TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135;IPI00296039,IPI00742825	31,682.10	99.80%	2	2	5	9.93%
LX-2 Repeat 1	RPL10 60S ribosomal protein L10	IPI00374260;IPI00554723,IPI00646899,IPI00853161	24.559.60	99.80%	2	2	3	6.54%
LX-2 Repeat 1	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	17	21	42	22.20%
LX-2 Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	64	70	231	40.50%
LX-2 Repeat 1	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	100.00%	5	5	7	18.00%
LX-2 Repeat 1	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519	109,420.10	100.00%	5	5	6	6.58%
LX-2 Repeat 1	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	9	10	19	23.80%
LX-2 Repeat 1	ANXA2 Annexin A2	IPI00418169,IPI00455315	38,588.10	100.00%	5	5	6	20.10%
LX-2 Repeat 1	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	7	8	11	6.63%
LX-2 Repeat 1	ARPC2 Actin-related protein 2/3 comolex subunit 2	IPI00005161	34.315.70	99.90%	2	2	3	16.00%
LX-2 Repeat 1	THSD4 thrombospondin, type I, domain containing 4	IPI00794391	112,429.10	99.80%	2	2	2	2.06%
LX-2 Repeat 1	STAU1 Staufen, RNA binding protein, homolog 1	IPI00000001,IPI00218609,IPI00641873,IPI00643664	55,617.60	99.80%	2	2	2	5.18%
LX-2 Repeat 1	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	45	47	188	20.50%
LX-2 Repeat 1	CPNE2 Copine II	IPI00645310	63,948.10	99.80%	2	2	2	4.18%
LX-2 Repeat 1	RPL7 60S ribosomal protein L7	IPI00301779;IPI00144171,IPI00472171,IPI00794746	24.416.70	100.00%	4	4	13	22.10%
LX-2 Repeat 1	RPL12 60S ribosomal protein L12	IPI00024933	17,801.10	100.00%	3	4	5	30.30%
LX-2 Repeat 1	RPS2 40S ribosomal protein S2	IPI00013485;IPI00479366	31,421.20	100.00%	5	5	12	19.80%
LX-2 Repeat 1	MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00744444,IPI00789605,IPI00796366,IPI00797001	18,481.20	100.00%	7	8	15	52.70%
LX-2 Repeat 1	RPL14 60S ribosomal protein L14	IPI00002821,IPI00069693,IPI00555744,IPI00739139,IPI00815843	14,593.50	100.00%	3	3	13	26.60%
LX-2 Repeat 1	RPS4X 40S ribosomal protein S4. X isoform	IPI00217030	29.581.30	100.00%	10	10	28	41.40%
LX-2 Repeat 1	PHB2 Prohibitin-2	IPI00027252	33,279.60	100.00%	5	5	7	21.40%
LX-2 Repeat 1	PFN1 Profilin-1	IPI00216691	15,036.30	100.00%	3	3	7	32.90%
LX-2 Repeat 1	PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	IPI00479186	57,919.50	99.80%	2	2	2	3.77%
LX-2 Repeat 1	FLOT1 Flotillin-1	IPI00027438	47,336.80	100.00%	17	19	23	53.60%
LX-2 Repeat 1	PHB Prohibitin	IPI00017334	29.786.60	99.90%	2	2	2	7.72%
LX-2 Repeat 1	KRT8 Keratin, type II cytoskeletal 8	IPI00554648;IPI00793917	26,764.20	100.00%	3	3	11	18.60%
LX-2 Repeat 1	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	14	11.80%
LX-2 Repeat 1	RPL30 60S ribosomal protein L30	IPI00219156	12,766.70	99.80%	2	2	2	27.00%
LX-2 Repeat 1	Trypsin - Sus scrofa (Pig).	MAN0000761	24,391.30	100.00%	3	3	36	21.60%
LX-2 Repeat 1	PDIA3 Protein disulfide-isomerase A3 precursor	IPI00025252;IPI00657680	54.947.60	100.00%	6	6	8	17.10%
LX-2 Repeat 1	HIST1H1B Histone H1.5	IPI00217468	22,563.70	100.00%	4	4	17	15.00%
LX-2 Repeat 1	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592;IPI00477313,IPI00759596	27,804.00	100.00%	5	5	12	16.80%
LX-2 Repeat 1	MRLC2 Myosin regulatory light chain	IPI00033494;IPI00220573,IPI00604523	20,440.00	100.00%	7	7	12	49.20%
LX-2 Repeat 1	HIST1H1D Histone H1.3	IPI00217466,IPI00217467	22,333.30	100.00%	5	5	16	13.10%
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49.652.60	100.00%	18	20	166	57.20%
LX-2 Repeat 1	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	100.00%	7	7	9	16.10%
LX-2 Repeat 1	HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	73,604.50	100.00%	3	3	3	4.20%
LX-2 Repeat 1	PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	43,458.50	100.00%	6	7	16	17.90%

Biological sample category	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage
LX-2 Repeat 1	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	14	14	47	25.00%
LX-2 Repeat 1	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750;IPI00219486;IPI00847986	15,051.40	99.80%	2	2	8	20.80%
LX-2 Repeat 1	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491	46.137.30	100.00%	3	3	7	15.30%
LX-2 Repeat 1	MVP Major vault protein	IPI00000105	99,308.00	100.00%	10	10	17	19.40%
LX-2 Repeat 1	SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPI00017964	13,898.60	99.30%	2	2	3	15.10%
LX-2 Repeat 1	COX5A Cytochrome c oxidase subunit 5A, mitochondrial precursor	IPI00025086	16,756.60	99.80%	2	2	2	20.70%
LX-2 Repeat 1	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	99.80%	2	2	5	49.90%
LX-2 Repeat 1	MYO1C Myosin-Ic	IPI00010418;IPI00743335;IPI00829992	119.613.60	100.00%	4	4	7	3.93%
LX-2 Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750;IPI00401105;IPI00478694	13,570.90	100.00%	3	3	8	22.60%
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389;IPI00790342;IPI00867533	32,725.20	100.00%	5	7	18	20.50%
LX-2 Repeat 1	ACTB Actin, cytoplasmic 1	IPI00021439;IPI00021440;IPI00848058	45,068.70	100.00%	16	22	118	53.50%
LX-2 Repeat 1	PKKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337;IPI00376215;IPI00786995	465,453.20	100.00%	7	7	16	2.22%
LX-2 Repeat 1	EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	46.854.40	100.00%	7	7	8	19.20%
LX-2 Repeat 1	RPL4 60S ribosomal protein L4	IPI00003918	47,681.10	99.80%	2	2	5	5.15%
LX-2 Repeat 1	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	100.00%	6	6	14	27.10%
LX-2 Repeat 1	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00022628	37,359.50	100.00%	4	4	4	19.40%
LX-2 Repeat 1	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	99.80%	2	2	4	3.32%
LX-2 Repeat 1	TUBA1B Tubulin alpha-1B chain	IPI00387144;IPI00792677;IPI00867501	49,652.10	100.00%	15	21	127	51.90%
LX-2 Repeat 1	HIST1H2AH Histone H2A type 1-H	IPI00081836;IPI00102165;IPI00216457;IPI00220855;IPI00255316;IPI00291764;IPI00339274;IPI00552873	13,971.00	100.00%	4	5	47	35.70%
LX-2 Repeat 1	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	7	7	18	35.10%
LX-2 Repeat 1	RPL17 60S ribosomal protein L17	IPI00413324;IPI00478208;IPI00514874	21,381.30	99.80%	2	2	3	14.10%
LX-2 Repeat 1	FLOT2 flotillin 2	IPI00789008	47,045.90	100.00%	17	18	30	42.80%
LX-2 Repeat 1	SERPINH1 Serpin H1 precursor	IPI00032140	46,424.00	99.80%	2	2	2	6.46%
LX-2 Repeat 1	COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	IPI00329573	333,127.30	100.00%	47	48	91	20.70%
LX-2 Repeat 1	COL5A1 Collagen alpha-1(V) chain precursor	IPI00477611;IPI00844090	183,544.70	100.00%	7	7	8	7.34%
LX-2 Repeat 1	HIST2H2BE Histone H2B type 2-E	IPI00003935;IPI00152785;IPI00220403;IPI00515061	13,932.80	99.80%	2	2	10	38.10%
LX-2 Repeat 1	RPL10A 60S ribosomal protein L10a	IPI00412579;IPI00827508	24,682.80	100.00%	6	8	15	30.10%
LX-2 Repeat 1	RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330	17,947.60	100.00%	4	6	19	30.10%
LX-2 Repeat 1	UPF1 Isoform 1 of Regulator of nonsense transcripts 1	IPI00034049;IPI00399170	123,019.30	99.80%	2	2	2	2.59%
LX-2 Repeat 1	Serum albumin precursor	IPI00708398	69,276.20	100.00%	19	21	49	35.90%
LX-2 Repeat 1	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318;IPI00433214;IPI00604713	67,800.60	100.00%	13	14	19	29.50%
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%
LX-2 Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526;IPI00479307;IPI00790503	231,296.70	100.00%	9	9	14	13.00%
LX-2 Repeat 1	TOP2A DNA topoisomerase 2	IPI00178667;IPI00218753;IPI00218754;IPI00414101;IPI00478232	178,871.20	100.00%	5	5	6	3.32%
LX-2 Repeat 1	ERLIN1 ER lipid raft associated 1	IPI00007940	39,154.00	100.00%	2	2	3	16.10%
LX-2 Repeat 1	GANAB Isoform 1 of Neutral alpha-glucosidase AB precursor	IPI00011454;IPI00383581;IPI00472068	106,831.00	100.00%	2	2	2	2.54%
LX-2 Repeat 1	ACTR3 Actin-related protein 3	IPI00028091	47,353.80	100.00%	5	5	10	15.30%
LX-2 Repeat 1	ACTC1 Actin, alpha cardiac muscle 1	IPI00023006	42,002.10	99.80%	2	2	4	27.90%
LX-2 Repeat 1	CSNK2A1 Casein kinase II subunit alpha	IPI00016613;IPI00744507	45,126.50	100.00%	2	2	4	9.46%
LX-2 Repeat 1	PRPF8 Pre-mRNA-processing-splicing factor 8	IPI00007928	273,590.60	100.00%	4	4	4	1.93%
LX-2 Repeat 1	CAV1 Caveolin	IPI00009236;IPI00853146	19,159.80	100.00%	5	5	12	41.30%
LX-2 Repeat 1	ACTN1 Alpha-actinin-1	IPI00013508;IPI00013808;IPI00759776	103,043.00	99.80%	2	2	4	2.47%
LX-2 Repeat 1	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	50,784.50	100.00%	6	6	8	14.90%
LX-2 Repeat 2	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714;IPI00853068	15,262.60	99.80%	2	2	11	16.90%
LX-2 Repeat 2	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108.562.80	100.00%	13	14	37	16.50%
LX-2 Repeat 2	WNT5A Protein Wnt-5a precursor	IPI00013178;IPI00795811	32,745.60	100.00%	4	4	9	13.70%
LX-2 Repeat 2	RPL27 60S ribosomal protein L27	IPI00219155;IPI00382885	16,398.20	99.80%	2	2	4	14.30%
LX-2 Repeat 2	RPL26L1 60S ribosomal protein L26-like 1	IPI00007144;IPI00027270;IPI00433834;IPI00737562;IPI00741964;IPI00789514	12,915.80	99.80%	2	2	2	14.50%
LX-2 Repeat 2	HBB Hemoglobin subunit beta	IPI00473011;IPI00654755;IPI00657660;IPI00796636;PI00829896;IPI00830113;IPI00854874	18,912.40	99.80%	2	2	5	10.90%
LX-2 Repeat 2	FBN2 fibrillin 2 precursor	IPI00019439;IPI00784315	314,713.50	100.00%	12	12	30	5.49%
LX-2 Repeat 2	HTRA1 Serine protease HTRA1 precursor	IPI00003176;IPI00643586	48,018.90	100.00%	5	5	8	13.00%
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%
LX-2 Repeat 2	PRSS23 Serine protease 23 precursor	IPI00026941	42,984.40	100.00%	6	6	31	19.10%
LX-2 Repeat 2	RPS23 40S ribosomal protein S23	IPI00218045;IPI00739952	16,663.30	99.80%	2	2	9	14.40%
LX-2 Repeat 2	RPS7 40S ribosomal protein S7	IPI00013415	22.109.50	99.80%	2	2	4	10.30%
LX-2 Repeat 2	CYR61 Protein CYR61 precursor	IPI00299219	42,008.00	100.00%	8	8	39	22.00%
LX-2 Repeat 2	IGFBP5 Insulin-like growth factor-binding protein 5 precursor	IPI00029236	30,552.00	99.80%	2	2	2	6.25%
LX-2 Repeat 2	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204;IPI00843996	14,185.30	99.80%	2	2	4	24.20%
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%
LX-2 Repeat 2	KRT6A Keratin, type II cytoskeletal 6A	IPI00030725	60.028.40	99.80%	2	2	3	12.40%
LX-2 Repeat 2	RPL24 60S ribosomal protein L24	IPI00306332;IPI00791426;IPI00793696	12,953.50	100.00%	3	3	22	27.30%
LX-2 Repeat 2	KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	10	10	32	19.50%
LX-2 Repeat 2	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	100.00%	6	7	21	34.40%
LX-2 Repeat 2	RPL23 60S ribosomal protein L23	IPI00010153;IPI00742805;IPI00795408	14,931.90	100.00%	4	5	19	36.40%
LX-2 Repeat 2	RPS9 40S ribosomal protein S9	IPI00221088	22.574.50	100.00%	2	2	4	10.30%
LX-2 Repeat 2	LGALS1 Galectin-1	IPI00219219	14,697.80	100.00%	2	2	2	17.00%
LX-2 Repeat 2	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	100.00%	5	5	22	35.60%
LX-2 Repeat 2	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	20	22	219	35.60%
LX-2 Repeat 2	KRT9 Keratin, type I cytoskeletal 9	IPI00019359	62,113.00	100.00%	14	14	94	31.80%
LX-2 Repeat 2	RPL31 60S ribosomal protein L31	IPI00026302;IPI00848331;IPI00856058	13.978.00	100.00%	3	3	10	28.90%
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%
LX-2 Repeat 2	RPL27A 60S ribosomal protein L27a	IPI00398135;IPI00456758;IPI00827619	16,604.30	100.00%	4	4	10	27.70%
LX-2 Repeat 2	RPS15 40S ribosomal protein S15	IPI00216153	17,022.80	100.00%	3	3	10	22.10%
LX-2 Repeat 2	C4A Complement C4-A precursor	IPI00032258;IPI00418163;IPI00643525;IPI00654875	192.776.80	100.00%	3	3	4	1.78%
LX-2 Repeat 2	GREM1 Isoform 1 of Gremlin-1 precursor	IPI00298476	20,678.90	99.80%	2	2	5	17.90%
LX-2 Repeat 2	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4J;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00454373	11,349.70	99.80%	2	2	11	17.50%
LX-2 Repeat 2	RPL10 60S ribosomal protein L10	IPI00374260;IPI00554723;IPI00646899;IPI00853161	24,559.60	100.00%	3	3	16	11.70%
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%
LX-2 Repeat 2	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583;IPI00397713;IPI00398915;IPI00477343;IPI00478812;IPI00788010;IPI00845507	18.503.00	99.80%	2	2	8	16.20%
LX-2 Repeat 2	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	44	45	218	19.90%
LX-2 Repeat 2	RPL32 60S ribosomal protein L32	IPI00005589;IPI00395998;IPI00794734	12,939.10	100.00%	3	3	3	33.90%
LX-2 Repeat 2	RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	29,581.30	100.00%	8	8	42	37.30%
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%
LX-2 Repeat 2	TIMP3 Metalloproteinase inhibitor 3 precursor	IPI00218247;IPI00640293	24,127.50	100.00%	3	3	5	13.70%
LX-2 Repeat 2	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	100.00%	3	3	95	21.60%
LX-2 Repeat 2	CPZ isoform 1 of Carboxypeptidase Z precursor	IPI00179185;IPI00396391	73,610.90	100.00%	6	6	8	12.70%
LX-2 Repeat 2	KRT5 Keratin, type II cytoskeletal 5	IPI00009867	62,561.60	100.00%	7	7	14	15.30%
LX-2 Repeat 2	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	15	15	93	23.30%
LX-2 Repeat 2	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750;IPI00219486;IPI00847986	15.051.40	100.00%	4	4	13	30.00%
LX-2 Repeat 2	RPS11 40S ribosomal protein S11	IPI00025091	18,413.30	100.00%	4	4	7	29.10%
LX-2 Repeat 2	RPS29 40S ribosomal protein S29	IPI00182289	6,658.90	100.00%	3	3	9	46.40%
LX-2 Repeat 2	RPS25 40S ribosomal protein S25	IPI00012750;IPI00401105;IPI00478694	13,570.90	100.00%	3	3	22	22.60%
LX-2 Repeat 2	C3 Complement C3 precursor (Fragment)	IPI00164623;IPI00783987	187,131.10	99.80%	2	2	2	1.26%
LX-2 Repeat 2	CLEC3B Putative uncharacterized protein DKFZp686H17246	IPI00792115	17,776.20	100.00%	3	3	3	29.40%
LX-2 Repeat 2	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	99.80%	2	2	7	15.90%
LX-2 Repeat 2	EDIL3 Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor	IPI00306046;IPI00399105	52,730.10	100.00%	5	5	8	11.50%
LX-2 Repeat 2	RPL38 60S ribosomal protein L38	IPI00215790;IPI00792410	7,959.20	100.00%	3	3	4	35.80%
LX-2 Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836;IPI00102165;IPI00216457;IPI00220855;IPI00255316;IPI00291764;IPI00339274;IPI00552873	13,918.80	100.00%	3	3	9	30.50%
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324;IPI00478208;IPI00514874	21.381.30	100.00%	4	4	14	22.80%
LX-2 Repeat 2	RPL23A;OS 16001 60S ribosomal protein L23a	IPI00021266;IPI00176755;IPI00789159;IPI00793523;IPI00794894	17,786.10	100.00%	4	4	20	20.30%
LX-2 Repeat 2	Serum albumin precursor	IPI00708398	69,276.20	100.00%	20	21	228	36.40%
LX-2 Repeat 2	RPS26;LOC728937;LOC644166 40S ribosomal protein S26	IPI00186712;IPI00655650	12.997.50	100.00%	3	4	14	31.30%
LX-2 Repeat 2	A2M Alpha-2-macroglobulin precursor	IPI00478003	163,258.80	100.00%	4	4	13	2.85%
LX-2 Repeat 2	KRT14 Keratin, type I cytoskeletal 14	IPI00384444	51,604.60	100.00%	5	5	6	14.00%
LX-2 Repeat 2	ACTB Actin, cytoplasmic 1	IPI00021439;IPI00021440;IPI00848058	45,068.70	100.00%	4	4	7	12.90%
LX-2 Repeat 2	TUBB Tubulin beta chain	IPI00011654	49,652.60	99.80%	2	2	5	4.50%
LX-2 Repeat 2	RPL35 60S ribosomal protein L35	IPI00412607;IPI00550247;IPI00787131	10.627.10	99.80%	2	3	10	24.00%
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%
LX-2 Repeat 3	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	99.80%	2	2	6	8.03%
LX-2 Repeat 3	ATAD3A ATPase family, AAA domain containing 3A	IPI00295992;IPI00643435;IPI00646144	64,338.10	99.80%	2	2	2	3.50%
LX-2 Repeat 3	HSPG2 Basement membrane-soecific heparan sulfate proteoelvcan core protein precursor	IPI00024284	468.787.50	100.00%	22	22	46	7.15%
LX-2 Repeat 3	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714;IPI00853068	15,262.60	100.00%	3	4	14	28.20%
LX-2 Repeat 3	HADHA Trifunctional enzyme subunit alpha, mitochondrial precursor	IPI00031522	82,983.90	99.60%	2	2	2	2.49%
LX-2 Repeat 3	TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor	IPI00005563	52,369.00	99.80%	2	2	3	4.71%
LX-2 Repeat 3	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108,562.80	100.00%	15	16	40	21.90%
LX-2 Repeat 3	THY1 Thy-1 membrane glycoprotein precursor	IPI00022892;IPI00555577	17.917.20	99.80%	2	2	4	15.50%
LX-2 Repeat 3	KRT18 Keratin, type I cytoskeletal 18	IPI00554788;IPI00784347	48,041.00	100.00%	4	4	9	10.70%
LX-2 Repeat 3	WNT5A Protein Wnt-5a precursor	IPI00013178;IPI00795811	32,745.60	99.70%	2	2	2	7.22%
LX-2 Repeat 3	AGRN Agrin precursor	IPI00014563	214,820.00	100.00%	6	6	13	3.37%
LX-2 Repeat 3	RPL27 60S ribosomal protein L27	IPI00219155;IPI00382885	16,398.20	100.00%	2	2	2	11.40%
LX-2 Repeat 3	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27.727.90	100.00%	3	3	3	22.90%
LX-2 Repeat 3	CPNE1 Copine-1	IPI00018452	59,040.60	100.00%	5	5	9	9.68%
LX-2 Repeat 3	EEF1A1 Elongation factor 1-alpha 1	IPI00396485;IPI00472724	50,167.40	100.00%	8	9	43	21.90%
LX-2 Repeat 3	ARPC3 Actin-related protein 2/3 complex subunit 3	IPI00005162;IPI00796102	11,529.20	100.00%	3	3	6	27.30%
LX-2 Repeat 3	SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial precursor	IPI00022202;IPI00215777;IPI00788624;IPI00789657;IPI00790115;IPI00793177	24,199.40	100.00%	4	4	16	20.50%
LX-2 Repeat 3	LMNA Isoform A of Lamin-A/C	IPI00021405;IPI00216952;IPI00216953;IPI00514204;IPI00644087;IPI00655812	55,621.60	100.00%	8	8	12	16.20%
LX-2 Repeat 3	H2AFV Histone H2AV	IPI00018278;IPI00218448;IPI00555841	15,470.10	100.00%	3	3	6	26.70%
LX-2 Repeat 3	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018;IPI00795257	31,530.00	100.00%	5	5	10	26.60%
LX-2 Repeat 3	HADHB Trifunctional enzyme beta subunit, mitochondrial precursor	IPI00022793	51,379.10	99.90%	2	2	2	4.21%
LX-2 Repeat 3	HBB Hemoglobin subunit beta	IPI00473011;IPI00654755;IPI00657660;IPI00796636;PI00829896;IPI00830113;IPI00854874	18,912.40	99.80%	2	2	10	10.90%
LX-2 Repeat 3	FBN2 fibrillin 2 precursor	IPI00019439;IPI00784315	314,713.50	100.00%	6	6	16	3.23%
LX-2 Repeat 3	RPS3A 40S ribosomal protein S3a	IPI00419880;IPI00472119	29,953.50	100.00%	6	6	12	26.50%
LX-2 Repeat 3	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	19	21	58	37.90%
LX-2 Repeat 3	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	99.80%	2	2	3	23.50%
LX-2 Repeat 3	PFKP 6-phosphofructokinase type C	IPI00009790;IPI00643196	85,299.10	100.00%	3	3	6	4.77%

Biological sample category	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage
LX-2 Repeat 3	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,898.60	100.00%	4	5	57	31.00%
LX-2 Repeat 3	RPS8 40S ribosomal protein S8	IPI00216587,IPI00645201	21,862.70	100.00%	6	7	9	37.80%
LX-2 Repeat 3	TMEM43 Transmembrane protein 43	IPI00301280	44,858.80	100.00%	13	13	21	42.80%
LX-2 Repeat 3	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	100.00%	12	14	27	55.50%
LX-2 Repeat 3	VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145,IPI00216024,IPI00216026,IPI00455531,IPI00855744,IPI00855973	36,214.30	100.00%	8	9	15	30.20%
LX-2 Repeat 3	ATP5J2 Isoform 1 of ATP synthase f chain, mitochondrial	IPI00219291,IPI00220300,IPI00456013,IPI00719814	5,723.00	99.80%	2	2	3	49.00%
LX-2 Repeat 3	ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	37,822.40	100.00%	6	6	10	26.50%
LX-2 Repeat 3	PRSS23 Serine protease 23 precursor	IPI00026941	42,984.40	100.00%	5	5	7	15.10%
LX-2 Repeat 3	MFI2 Isoform 1 of Melanotransferrin precursor	IPI00029275	80,222.80	99.90%	2	2	2	5.15%
LX-2 Repeat 3	HSP90AB1 85 kDa protein	IPI00334775,IPI00414676	83,249.30	100.00%	7	7	9	10.90%
LX-2 Repeat 3	CS citrate synthase precursor, isoform b	IPI00025366,IPI00383539,IPI00793839	47,994.20	99.70%	2	2	2	4.87%
LX-2 Repeat 3	SURF4 Isoform 1 of Surfeit locus protein 4	IPI00005737,IPI00399142,IPI00641719	21,110.80	100.00%	4	4	13	26.90%
LX-2 Repeat 3	RPS23 40S ribosomal protein S23	IPI00218606,IPI00739952	16,663.30	99.80%	2	2	9	14.40%
LX-2 Repeat 3	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	107,122.60	99.70%	2	2	2	5.16%
LX-2 Repeat 3	RPL15 60S ribosomal protein L15	IPI00470528,IPI00550032	24,156.50	100.00%	3	3	13	13.70%
LX-2 Repeat 3	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	100.00%	3	3	8	21.60%
LX-2 Repeat 3	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798,IPI00746438	20,107.10	99.80%	2	2	8	13.00%
LX-2 Repeat 3	CYR61 Protein CYR61 precursor	IPI00299219	42,008.00	100.00%	3	3	3	7.87%
LX-2 Repeat 3	BCAP31 B-cell receptor-associated protein 31	IPI00218200	34,735.10	99.80%	2	2	2	7.67%
LX-2 Repeat 3	ABCD3 ATP-binding cassette sub-family D member 3	IPI00002372	75,461.20	100.00%	3	3	3	5.31%
LX-2 Repeat 3	EGFL7 EGF-like domain-containing protein 7 precursor	IPI00383960	29,598.80	99.80%	2	2	2	11.70%
LX-2 Repeat 3	TOMM40 Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	IPI00014053	37,875.10	99.90%	2	2	3	8.59%
LX-2 Repeat 3	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	100.00%	7	7	36	28.50%
LX-2 Repeat 3	FLNA Filamin-A	IPI00302592,IPI00333541,IPI00644576	276,523.10	100.00%	6	6	14	2.69%
LX-2 Repeat 3	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	100.00%	4	4	5	16.10%
LX-2 Repeat 3	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200,IPI00642548	53,067.40	99.80%	2	2	2	5.21%
LX-2 Repeat 3	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	99.80%	2	3	4	13.70%
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%
LX-2 Repeat 3	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	IPI00015833	26,134.50	100.00%	4	4	4	21.10%
LX-2 Repeat 3	SAMM50 Sorting and assembly machinery component 50 homolog	IPI00412713	51,959.50	100.00%	4	4	7	11.30%
LX-2 Repeat 3	HSPB1 Heat shock protein beta-1	IPI00025512	22,764.60	100.00%	3	3	4	17.60%
LX-2 Repeat 3	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696	12,953.50	100.00%	3	3	5	27.30%
LX-2 Repeat 3	LAMB1 Laminin subunit beta-1 precursor	IPI00013976,IPI00853454	200,457.00	99.80%	2	2	2	1.16%
LX-2 Repeat 3	ANXA5 Annexin A5	IPI00329801	35,920.60	99.90%	2	2	2	7.50%
LX-2 Repeat 3	KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	2	2	7	6.36%
LX-2 Repeat 3	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	100.00%	6	7	15	33.80%
LX-2 Repeat 3	RPL23 60S ribosomal protein L23	IPI00010153,IPI00742805,IPI00795408	14,931.90	100.00%	3	4	7	30.70%
LX-2 Repeat 3	RPS9 40S ribosomal protein S9	IPI00221088	22,574.50	100.00%	7	7	26	23.70%
LX-2 Repeat 3	ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00303476	56,542.50	100.00%	16	17	25	40.50%
LX-2 Repeat 3	RPS27 40S ribosomal protein S27	IPI00397358,IPI00513971,IPI00746004	9,442.90	99.80%	2	2	4	25.00%
LX-2 Repeat 3	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	100.00%	3	3	9	19.90%
LX-2 Repeat 3	RPS15A 40S ribosomal protein S15a	IPI00221091	14,822.00	99.90%	2	2	4	18.50%
LX-2 Repeat 3	GSN Isoform 1 of Gelsolin precursor	IPI00026314,IPI00646773	80,622.80	100.00%	4	4	5	6.98%
LX-2 Repeat 3	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	10	10	64	16.10%
LX-2 Repeat 3	NT5E 5'-nucleotidase precursor	IPI00009456	63,351.00	100.00%	8	8	13	21.10%
LX-2 Repeat 3	KRT9 Keratin, type I cytoskeletal 9	IPI00019359	62,113.00	100.00%	7	8	31	14.60%
LX-2 Repeat 3	ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	59,734.10	100.00%	14	14	16	36.70%
LX-2 Repeat 3	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617,IPI00023785,IPI00651653,IPI00651677	72,525.20	99.80%	2	2	3	5.52%
LX-2 Repeat 3	LAMA4 Isoform 1 of Laminin subunit alpha-4 precursor	IPI00329482,IPI00735310	201,764.50	100.00%	4	4	4	3.96%
LX-2 Repeat 3	RPL31 60S ribosomal protein L31	IPI00026302,IPI00848331,IPI00856058	13,978.00	100.00%	3	3	6	28.90%
LX-2 Repeat 3	TMEM33 Transmembrane protein 33	IPI00299084	27,961.70	99.80%	2	2	2	9.31%
LX-2 Repeat 3	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	100.00%	4	4	11	30.90%
LX-2 Repeat 3	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	7	8	27	38.80%
LX-2 Repeat 3	H2AFY H2A histone family, member Y isoform 2	IPI00059366,IPI00304171,IPI00744148	39,166.80	100.00%	5	5	8	17.90%
LX-2 Repeat 3	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834	82,689.10	99.80%	2	2	2	3.69%
LX-2 Repeat 3	FBLN2 Fibulin-2 precursor	IPI00023824,IPI00465038	131,840.50	99.60%	2	2	2	1.54%
LX-2 Repeat 3	RPL7A 60S ribosomal protein L7a	IPI00299573,IPI00479315	29,978.30	100.00%	6	6	19	25.90%
LX-2 Repeat 3	RPL3 60S ribosomal protein L3	IPI00550021,IPI00651660	40,134.10	99.80%	2	2	2	5.93%
LX-2 Repeat 3	ANXA6 Annexin A6	IPI00002459,IPI00221226	75,859.50	100.00%	22	24	34	40.30%
LX-2 Repeat 3	IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960,IPI00470829,IPI00554469	82,607.80	100.00%	11	11	17	17.70%
LX-2 Repeat 3	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187,IPI00787897	44,158.40	100.00%	4	4	4	15.90%
LX-2 Repeat 3	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	100.00%	7	7	10	13.50%
LX-2 Repeat 3	RPL18A 60S ribosomal protein L18a	IPI00026202,IPI00847774	15,773.50	99.80%	2	2	2	16.20%
LX-2 Repeat 3	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	29	124	48.30%
LX-2 Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	356	32.40%
LX-2 Repeat 3	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	187,876.80	99.80%	2	2	5	1.28%
LX-2 Repeat 3	COL4A1 Collagen alpha-1(IV) chain precursor	IPI00743696,IPI00844360	160,599.50	100.00%	3	3	4	2.52%
LX-2 Repeat 3	RALY Isoform 1 of RNA-binding protein Raly	IPI00011268,IPI00216044,IPI00640938,IPI00641351,IPI00642213,IPI00847752	32,445.90	99.50%	2	2	2	7.19%
LX-2 Repeat 3	NID1 Isoform 1 of Nidogen-1 precursor	IPI00026944,IPI00384542	122,075.20	100.00%	5	5	5	5.39%
LX-2 Repeat 3	RPL27A 60S ribosomal protein L27a	IPI00398135,IPI00456758,IPI00827619	16,412.20	100.00%	3	3	5	24.50%
LX-2 Repeat 3	SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	45,042.20	100.00%	7	7	13	22.40%
LX-2 Repeat 3	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,773.10	100.00%	4	4	10	27.50%
LX-2 Repeat 3	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	100.00%	5	6	11	23.00%
LX-2 Repeat 3	LAMA5 Laminin subunit alpha-5 precursor	IPI00783665	399,725.10	100.00%	8	8	9	3.38%
LX-2 Repeat 3	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,583.70	100.00%	5	5	7	40.90%
LX-2 Repeat 3	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	12	16	67	57.30%
LX-2 Repeat 3	GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	IPI00465121,IPI00748145	40,434.00	100.00%	5	5	6	16.10%
LX-2 Repeat 3	HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	15,386.70	99.90%	2	2	10	14.70%
LX-2 Repeat 3	TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135,IPI00296039,IPI00742825	31,682.10	100.00%	3	3	4	13.20%
LX-2 Repeat 3	RPL10 60S ribosomal protein L10	IPI00374260,IPI00554723,IPI00646899,IPI00853161	24,559.60	100.00%	3	3	5	11.70%
LX-2 Repeat 3	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	18	22	34	24.70%
LX-2 Repeat 3	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	87	102	462	49.50%
LX-2 Repeat 3	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	100.00%	4	4	5	12.70%
LX-2 Repeat 3	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519	109,420.10	100.00%	3	3	3	3.70%
LX-2 Repeat 3	ANXA2 Annexin A2	IPI00418169,IPI00455315	38,588.10	100.00%	4	4	6	15.30%
LX-2 Repeat 3	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	3	4	13	3.14%
LX-2 Repeat 3	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,315.70	100.00%	3	3	3	11.00%
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	9,868.30	99.80%	2	2	5	29.90%
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%
LX-2 Repeat 3	MYADM Myeloid-associated differentiation marker	IPI00102685,IPI00385137,IPI00657979,IPI00658209	26,222.50	99.80%	2	2	5	13.60%
LX-2 Repeat 3	HNRNPU Heterogeneous nuclear ribonucleoprotein U	IPI00479217,IPI00644079,IPI00644224	61,732.90	100.00%	3	3	8	7.10%
LX-2 Repeat 3	RPL7 60S ribosomal protein L7	IPI00030179,IPI00144171,IPI00472171,IPI00794746	24,416.70	100.00%	5	6	16	26.40%
LX-2 Repeat 3	RPL12 60S ribosomal protein L12	IPI00024933	17,801.10	100.00%	4	4	5	39.40%
LX-2 Repeat 3	RPS2 40S ribosomal protein S2	IPI00013485,IPI00479366	31,421.20	100.00%	6	7	18	25.60%
LX-2 Repeat 3	MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00744444,IPI00789605,IPI00796366,IPI00797001	18,481.20	100.00%	9	11	22	52.70%
LX-2 Repeat 3	RPL14 60S ribosomal protein L14	IPI00002821,IPI00069693,IPI00555744,IPI00739139,IPI00815843	14,593.50	100.00%	3	3	7	28.20%
LX-2 Repeat 3	RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	29,581.30	100.00%	11	12	33	38.40%
LX-2 Repeat 3	RPS17 40S ribosomal protein S17	IPI00221093,IPI00478114,IPI00791157	15,902.00	99.70%	2	2	4	16.20%
LX-2 Repeat 3	PHB2 Prohibitin-2	IPI00027252	33,279.60	100.00%	7	7	11	31.40%
LX-2 Repeat 3	HNRPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	51,212.10	99.80%	2	2	2	6.99%
LX-2 Repeat 3	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	4	4	5	27.20%
LX-2 Repeat 3	PFN1 Profilin-1	IPI00216691	15,036.30	100.00%	3	3	4	31.40%
LX-2 Repeat 3	PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	IPI00479186	57,919.50	100.00%	7	7	11	17.50%
LX-2 Repeat 3	FLOT1 Flotillin-1	IPI00027438	47,336.80	100.00%	18	19	25	59.30%
LX-2 Repeat 3	PHB Prohibitin	IPI00017334	29,786.60	100.00%	4	4	5	19.50%
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	26,764.20	100.00%	4	4	7	21.50%
LX-2 Repeat 3	RPL30 60S ribosomal protein L30	IPI00219156	12,766.70	99.90%	2	2	3	24.30%
LX-2 Repeat 3	ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811,IPI00744414	19,470.00	100.00%	3	3	4	16.20%
LX-2 Repeat 3	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	100.00%	3	3	45	21.60%
LX-2 Repeat 3	HIST1H1B Histone H1.5	IPI00217468	22,563.70	100.00%	3	3	13	10.60%
LX-2 Repeat 3	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00759596	27,804.00	99.80%	2	2	8	9.20%
LX-2 Repeat 3	MRLC2 Myosin regulatory light chain	IPI00033494,IPI00220573,IPI00604523	20,440.00	100.00%	7	7	20	39.00%
LX-2 Repeat 3	HIST1H1D Histone H1.3	IPI00217466,IPI00217467	21,848.90	100.00%	7	7	18	17.40%
LX-2 Repeat 3	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	100.00%	11	11	16	22.40%
LX-2 Repeat 3	HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	73,604.50	99.80%	2	2	3	3.18%
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%
LX-2 Repeat 3	PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	43,458.50	100.00%	4	4	7	14.60%
LX-2 Repeat 3	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	5	5	16	8.94%
LX-2 Repeat 3	STT3A Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	IPI00297492	80,456.90	100.00%	4	4	7	5.39%
LX-2 Repeat 3	RPS11 40S ribosomal protein S11	IPI00025091	18,413.30	100.00%	3	3	7	24.70%
LX-2 Repeat 3	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491	46,137.30	100.00%	5	5	13	17.70%
LX-2 Repeat 3	MVP Major vault protein	IPI00000105	99,308.00	100.00%	16	18	29	25.00%
LX-2 Repeat 3	RPS25 40S ribosomal protein S25	IPI00012750,IPI00401105,IPI00478694	13,570.90	100.00%	4	4	7	24.20%
LX-2 Repeat 3	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,725.20	100.00%	7	8	16	27.10%
LX-2 Repeat 3	C3 Complement C3 precursor (Fragment)	IPI00164623,IPI00783987	187,131.10	99.50%	2	2	5	1.26%
LX-2 Repeat 3	TMED10 Transmembrane emp24 domain-containing protein 10 precursor	IPI00028055	24,959.50	99.60%	2	2	2	12.80%
LX-2 Repeat 3	PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337,IPI00376215,IPI00786995	465,453.20	100.00%	9	9	12	2.39%
LX-2 Repeat 3	EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	46,854.40	100.00%	7	7	8	16.50%
LX-2 Repeat 3	RPL4 60S ribosomal protein L4	IPI00003918	47,681.10	100.00%	3	3	10	7.49%
LX-2 Repeat 3	ENTPD4;LOXL2 Lysyl oxidase homolog 2 precursor	IPI00294839,IPI00782994	86,705.10	99.80%	2	2	2	3.75%
LX-2 Repeat 3	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	100.00%	5	5	10	21.80%
LX-2 Repeat 3	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	100.00%	2	2	5	21.20%
LX-2 Repeat 3	MGST3 Microsomal glutathione S-transferase 3	IPI00024266,IPI00639812	18,399.00	100.00%	3	3	7	29.50%
LX-2 Repeat 3	SLC25A13 Mitochondrial aspartate-glutamate carrier protein	IPI00007084	74,287.30	99.60%	2	2	2	2.51%
LX-2 Repeat 3	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	18,958.30	99.80%	2	2	2	12.30%
LX-2 Repeat 3	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	100.00%	3	3	4	9.71%
LX-2 Repeat 3	RPL38 60S ribosomal protein L38	IPI00215790,IPI00792410	7,959.20	99.40%	2	2	2	35.80%

Biological sample category	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage
LX-2 Repeat 3	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	100.00%	4	4	6	6.80%
LX-2 Repeat 3	RHOC Rho-related GTP-binding protein RhoC precursor	IPI00027434,IPI00027500,IPI00478231,IPI00552834,IPI00643368,IPI00644425,IPI00647268,IPI00789202,IPI00789866,IPI00789934	11,971.90	99.50%	2	2	2	18.30%
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,918.80	100.00%	3	4	32	30.50%
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%
LX-2 Repeat 3	RPL17 60S ribosomal protein L17	IPI00411324,IPI00478208,IPI00514874	21,381.30	100.00%	6	7	11	36.40%
LX-2 Repeat 3	COL4A2 Collagen alpha-2(IV) chain precursor	IPI00306322,IPI00477950,IPI00853342	167,198.20	99.80%	2	2	3	1.35%
LX-2 Repeat 3	FLOT2 flotillin 2	IPI00789008	47,045.90	100.00%	16	17	25	49.30%
LX-2 Repeat 3	SERPINH1 Serpin H1 precursor	IPI00032140	46,424.00	100.00%	4	4	4	12.90%
LX-2 Repeat 3	COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	IPI00329573	333,127.30	100.00%	65	67	160	29.40%
LX-2 Repeat 3	COL5A1 Collagen alpha-1(V) chain precursor	IPI00477611,IPI00844090	183,544.70	100.00%	3	3	8	2.77%
LX-2 Repeat 3	ATP5C1 Isoform Liver of ATP synthase gamma chain, mitochondrial precursor	IPI00395769,IPI00478410	32,980.00	100.00%	4	4	4	14.80%
LX-2 Repeat 3	HIST2H2BE Histone H2B type 2-E	IPI00003935,IPI00152785,IPI00220403,IPI00515061	13,886.70	99.80%	2	2	11	31.00%
LX-2 Repeat 3	RPL10A 60S ribosomal protein L10a	IPI00412579,IPI00827508	24,682.80	100.00%	8	9	14	37.00%
LX-2 Repeat 3	RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330	17,947.60	100.00%	5	7	36	30.10%
LX-2 Repeat 3	UPF1 isoform 1 of Regulator of nonsense transcripts 1	IPI00034049,IPI00399170	123,019.30	99.80%	2	2	2	1.88%
LX-2 Repeat 3	RPL23A;PCG 16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,786.10	100.00%	3	3	3	20.30%
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%
LX-2 Repeat 3	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00433214,IPI00604713	67,800.60	100.00%	6	6	8	11.00%
LX-2 Repeat 3	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	8	8	21	43.20%
LX-2 Repeat 3	MPHOSPH1 Isoform 1 of M-phase phosphoprotein 1	IPI00044751,IPI00412862,IPI00644494,IPI00827503	214,317.30	99.60%	2	2	2	1.13%
LX-2 Repeat 3	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	231,296.70	100.00%	15	15	27	19.10%
LX-2 Repeat 3	TOP2A DNA topoisomerase 2	IPI00178667,IPI00218753,IPI00218754,IPI00414101,IPI00478232	178,871.20	100.00%	3	3	5	2.42%
LX-2 Repeat 3	TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	48,534.10	100.00%	3	3	3	11.60%
LX-2 Repeat 3	RPS26;LOC728937;LOC644166 40S ribosomal protein S26	IPI00186712,IPI00655650	12,997.50	100.00%	3	3	5	31.30%
LX-2 Repeat 3	H2BFS Histone H2B	IPI00646240,IPI00745513,IPI00745769,IPI00747989,IPI00748038,IPI00748726,IPI00787441	7,638.10	99.70%	2	2	2	20.30%
LX-2 Repeat 3	ACTR3 Actin-related protein 3	IPI00028091	47,353.80	100.00%	7	7	8	22.70%
LX-2 Repeat 3	CSNK2A1 Casein kinase II subunit alpha	IPI00016613,IPI00744507	45,126.50	100.00%	3	3	4	13.00%
LX-2 Repeat 3	HSPD1 60 kDa heat shock protein, mitochondrial precursor	IPI00472102,IPI00784154	61,037.70	100.00%	3	3	3	6.63%
LX-2 Repeat 3	CAV1 Caveolin	IPI00009236,IPI00853146	19,159.80	100.00%	5	5	14	41.90%
LX-2 Repeat 3	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	19,044.70	100.00%	3	3	4	15.80%
LX-2 Repeat 3	ACTN1 Alpha-actinin-1	IPI00013508,IPI00013808,IPI00759776	104,839.20	99.80%	2	2	4	2.41%
LX-2 Repeat 3	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	50,784.50	100.00%	5	5	5	11.80%
LX-2 Repeat 3	RAB1B Ras-related protein Rab-1B	IPI00008964	22,154.00	100.00%	4	4	8	22.90%
LX-2 Repeat 3	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	19	24	202	57.40%
LX-2 Repeat 3	RPL15 60S ribosomal protein L35	IPI00412607,IPI00550247,IPI00787131	10,627.10	99.80%	2	2	6	24.00%
LX-2 Repeat 3	TUBB6 TUBB6 protein	IPI00646779	50,072.40	100.00%	3	3	3	37.10%
LX-2 Repeat 3	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	36	42	141	24.10%
LX-2 Repeat 3	ACTC1 Actin, alpha cardiac muscle 1	IPI00023006	42,002.10	100.00%	3	4	9	38.70%
LX-2 Repeat 3	ACTB Actin, cytoplasmic 1	IPI00021439,IPI00021440,IPI00848058	45,068.70	100.00%	19	25	137	60.60%
LX-2 Repeat 3	TUBB6 46 kDa protein	IPI00641706	45,746.40	99.80%	2	2	2	46.70%
LX-2 Repeat 3	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	11	11	22	26.10%
LX-2 Repeat 3	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	100.00%	3	3	9	53.50%
LX-2 Repeat 3	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677,IPI00867501	49,652.10	100.00%	17	22	160	56.40%
HFF Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	39	43	112	11.80%
HFF Repeat 1	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714,IPI00853068	15,239.60	100.00%	3	3	12	23.20%
HFF Repeat 1	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108,562.80	100.00%	16	16	27	16.00%
HFF Repeat 1	THY1 Thy-1 membrane glycoprotein precursor	IPI00022892,IPI00555577	15,885.70	99.80%	2	2	7	17.20%
HFF Repeat 1	LMNA Isoform A of Lamin-A/C	IPI00021405,IPI00216952,IPI00216953,IPI00514204,IPI00644087,IPI00655812	55,621.60	100.00%	5	5	7	11.30%
HFF Repeat 1	GAPDH Glyceraldehyde-3-ohosohate dehvdroaenase	IPI00219018,IPI00795257	31,530.00	99.80%	2	2	3	9.90%
HFF Repeat 1	FBN2 fibrillin 2 precursor	IPI00019439,IPI00784315	314,713.50	99.80%	2	2	6	1.17%
HFF Repeat 1	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	10	10	19	16.10%
HFF Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,898.60	100.00%	12	14	87	56.30%
HFF Repeat 1	ATP5O ATP synthase subunit O, mitochondrial precursor	IPI00007611	23,259.40	99.80%	2	2	2	10.80%
HFF Repeat 1	TMEM43 Transmembrane protein 43	IPI00301280	44,858.80	100.00%	4	4	6	14.00%
HFF Repeat 1	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	100.00%	4	4	7	14.50%
HFF Repeat 1	VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145,IPI00216024,IPI00216026,IPI00455531,IPI00855744,IPI00855973	36,214.30	100.00%	4	4	7	15.10%
HFF Repeat 1	POSTN Isoform 1 of Periostin precursor	IPI00007960,IPI00218585,IPI00410241,IPI00641231	90,129.40	100.00%	3	3	3	4.58%
HFF Repeat 1	ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	37,822.40	99.90%	2	2	7	7.08%
HFF Repeat 1	FGF2 fibroblast growth factor 2	IPI00154603	30,752.70	99.80%	2	2	6	3.82%
HFF Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	107,122.60	99.80%	2	2	4	2.06%
HFF Repeat 1	EFEMP2 EGF-containing fibulin-like extracellular matrix protein 2 precursor	IPI00296058,IPI00556657	67,737.30	99.80%	2	2	4	3.06%
HFF Repeat 1	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	20	21	40	12.40%
HFF Repeat 1	HSPB1 Heat shock protein beta-1	IPI00025512	22,764.60	100.00%	4	4	4	24.90%
HFF Repeat 1	KRT6A Keratin, tvpe II cytoskeletal 6A	IPI00300725	60,028.40	99.80%	2	2	3	7.62%
HFF Repeat 1	KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	4	4	12	10.40%
HFF Repeat 1	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	100.00%	3	3	5	18.50%
HFF Repeat 1	RPS9 40S ribosomal protein S9	IPI00221088	22,574.50	100.00%	3	3	3	12.90%
HFF Repeat 1	RPL23 60S ribosomal protein L23	IPI00010151;IPI00742805,IPI00795408	14,931.90	99.70%	2	2	2	18.60%
HFF Repeat 1	ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00303476	56,542.50	100.00%	4	4	6	11.70%
HFF Repeat 1	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	100.00%	5	5	7	33.60%
HFF Repeat 1	PRKCDBP protein kinase C, delta binding protein	IPI00056334	27,682.80	99.50%	2	2	2	10.70%
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%
HFF Repeat 1	CD44 isoform 3 of CD44 antigen precursor	IPI00297160,IPI00305064,IPI00418465,IPI00419219,IPI00827650,IPI00827658,IPI00827795,IPI00827893,IPI00827937,IPI00827982,IPI00828056,IPI00828064,IPI00828117,IPI00828192	75,926.60	99.80%	2	2	4	3.04%
HFF Repeat 1	NT5E 5'-nucleotidase precursor	IPI00009456	63.351.00	100.00%	7	8	18	13.80%
HFF Repeat 1	KRT9 Keratin, type I cytoskeletal 9	IPI00015939	62,113.00	100.00%	8	8	43	18.10%
HFF Repeat 1	ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	59,734.10	100.00%	3	3	3	7.05%
HFF Repeat 1	EMILIN1 EMILIN-1 precursor	IPI00013079	106,676.70	100.00%	13	13	44	16.00%
HFF Repeat 1	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	100.00%	3	3	5	20.20%
HFF Repeat 1	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	6	6	11	38.20%
HFF Repeat 1	H2AFY H2A histone family, member Y isoform 2	IPI00059366,IPI00304171,IPI00744148	39,166.80	100.00%	3	3	13	10.80%
HFF Repeat 1	MOXD1 Isoform 1 of DBH-like monooxygenase protein 1 precursor	IPI00419596,IPI00844146	62,684.30	99.70%	2	2	2	3.30%
HFF Repeat 1	FBLN2 Fibulin-2 precursor	IPI00023824,IPI00465038	131,840.50	100.00%	8	9	41	6.58%
HFF Repeat 1	RPL7A 60S ribosomal protein L7a	IPI00299573,IPI00479315	29,978.30	100.00%	4	4	8	15.40%
HFF Repeat 1	ANPEP Aminopeptidase N	IPI00221224	109,524.40	100.00%	16	16	25	18.80%
HFF Repeat 1	ANXA6 Annexin A6	IPI00002459,IPI00221226	75,859.50	100.00%	11	11	14	19.80%
HFF Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	19	22	75	45.50%
HFF Repeat 1	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	64	70	199	25.80%
HFF Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,773.10	100.00%	3	3	3	19.40%
HFF Repeat 1	MXRA5 Matrix-remodeling-associated protein 5 precursor	IPI00012347	312,262.50	100.00%	9	9	20	3.68%
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4J;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%
HFF Repeat 1	HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3I;HIST1H3B;HIST1H3A;HIST1H3J;HIST1H3D;HIST1H3G;HIST1H3D;HIST2H3BN Histone H3.1	IPI00465079	15,386.70	100.00%	8	9	71	36.00%
HFF Repeat 1	TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135,IPI00296039,IPI00742825	31,682.10	100.00%	4	4	7	17.60%
HFF Repeat 1	COL1A2 Collagen alpha-2(I) chain precursor	IPI00304962	129,270.60	99.80%	2	2	4	1.90%
HFF Repeat 1	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00292136	108,512.90	100.00%	14	15	19	13.40%
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%
HFF Repeat 1	ANXA2 Annexin A2	IPI00418169,IPI00455315	38,588.10	100.00%	4	4	4	13.60%
HFF Repeat 1	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	4	4	9	3.42%
HFF Repeat 1	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	3	3	20	0.94%
HFF Repeat 1	RPL7 60S ribosomal protein L7	IPI00030179,IPI00144171,IPI00472171,IPI00794746	24,416.70	99.80%	2	2	7	12.00%
HFF Repeat 1	RPS2 40S ribosomal protein S2	IPI00013485,IPI00479366	31,421.20	99.80%	2	2	2	7.85%
HFF Repeat 1	MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00744444,IPI00789605,IPI00796366,IPI00797001	18,481.20	100.00%	9	11	24	60.50%
HFF Repeat 1	RPS4X 40S ribosomal protein S4. X isoform	IPI00217030	29,581.30	100.00%	3	3	6	11.00%
HFF Repeat 1	FLOT1 Flotillin-1	IPI00027438	47,336.80	100.00%	7	7	8	21.50%
HFF Repeat 1	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	12	12	37	20.80%
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%
HFF Repeat 1	HIST1H1B Histone H1.5	IPI00217468	22,563.70	100.00%	6	6	23	27.90%
HFF Repeat 1	MRLC2 Myosin reaulatory light chain	IPI00034494,IPI00220573,IPI00604523	20,440.00	100.00%	4	4	15	23.20%
HFF Repeat 1	HIST1H1D Histone H1.3	IPI00217466,IPI00217467	21,848.90	100.00%	7	7	31	28.30%
HFF Repeat 1	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	100.00%	3	3	3	5.26%
HFF Repeat 1	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	5	5	11	11.10%
HFF Repeat 1	MSN Moesin	IPI00219365	67,803.80	99.80%	2	2	3	3.29%
HFF Repeat 1	MYO1C Myosin-ic	IPI00010418,IPI00743335,IPI00829992	119,613.60	100.00%	9	9	21	10.10%
HFF Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750,IPI00404105,IPI00478694	13,570.90	99.80%	2	2	6	15.30%
HFF Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,725.20	100.00%	5	5	8	11.50%
HFF Repeat 1	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	100.00%	3	3	3	10.40%
HFF Repeat 1	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,918.80	100.00%	5	6	55	36.70%
HFF Repeat 1	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	6	16.30%
HFF Repeat 1	FBLN1 Isoform B of Fibulin-1 precursor	IPI00218803,IPI00296534	77,240.80	99.90%	2	2	9	3.27%
HFF Repeat 1	FLOT2 flotillin 2	IPI00789008	47,045.90	99.80%	2	2	4	5.84%
HFF Repeat 1	SERPINH1 Serpin H1 precursor	IPI00032140	46,424.00	99.80%	2	2	2	6.46%
HFF Repeat 1	HIST2H2BE Histone H2B type 2-E	IPI00003935,IPI00152785,IPI00220403,IPI00515061	13,886.70	99.80%	2	2	10	54.80%
HFF Repeat 1	VTN Vitronectin precursor	IPI00298971	54,288.10	99.80%	2	2	6	3.77%
HFF Repeat 1	RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330	17,947.60	100.00%	10	11	37	42.30%
HFF Repeat 1	Serum albumin precursor	IPI00708398	69,276.20	100.00%	9	9	16	14.20%
HFF Repeat 1	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00433214,IPI00604713	58,564.30	100.00%	9	9	12	23.60%
HFF Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	99.90%	2	2	4	7.82%
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	231,296.70	100.00%	12	12	19	13.60%
HFF Repeat 1	ACTR3 Actin-related protein 3	IPI00028091	47,353.80	99.60%	2	2	2	7.89%
HFF Repeat 1	ACTN1 Alpha-actinin-1	IPI00013508,IPI00013808,IPI00759776	104,839.20	99.80%	2	2	3	2.63%
HFF Repeat 1	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	50,784.50	99.80%	2	2	2	4.39%
HFF Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	50	64	584	30.00%
HFF Repeat 1	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677,IPI00867501	49,652.10	100.00%	9	10	22	29.80%
HFF Repeat 1	ACTC1 Actin, alpha cardiac muscle 1	IPI00023006	42,002.10	100.00%	3	3	5	40.30%
HFF Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	10	10	47	27.30%
HFF Repeat 1	ACTB Actin, cytoplasmic 1	IPI00021439,IPI00021440,IPI00848058	45,068.70	100.00%	20	27	209	52.00%

Biological sample category	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage
HFF Repeat 2	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	35	38	104	10.30%
HFF Repeat 2	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714;IPI00853068	15,262.60	100.00%	4	5	22	34.50%
HFF Repeat 2	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108,562.80	100.00%	14	14	23	14.00%
HFF Repeat 2	THY1 Thy-1 membrane glycoprotein precursor	IPI00022892;IPI00555577	15,885.70	99.80%	2	2	9	17.20%
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485;IPI00472724	50,167.40	99.80%	2	2	9	4.11%
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278;IPI00218448;IPI00555841	15,470.10	99.80%	2	2	4	22.00%
HFF Repeat 2	FBN2 fibrillin 2 precursor	IPI00019439;IPI00784315	314,713.50	99.80%	2	2	3	1.17%
HFF Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	11	11	13	18.70%
HFF Repeat 2	HIST1H2BL Histone H2B type 1-L	IPI00018534;IPI00020101;IPI00152906;IPI00303133;IPI00329665;IPI00419833;IPI00477495;IPI00554798;IPI00794461;IPI00816252	13,898.60	100.00%	11	14	86	56.30%
HFF Repeat 2	TMEM43 Transmembrane protein 43	IPI00301280	44,858.80	100.00%	3	3	4	11.50%
HFF Repeat 2	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	100.00%	4	4	6	14.50%
HFF Repeat 2	VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145;IPI00216024;IPI00216026;IPI00455531;IPI00855744;IPI00855973	36,214.30	100.00%	5	5	8	19.30%
HFF Repeat 2	ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	37,822.40	99.80%	2	2	6	7.08%
HFF Repeat 2	NID2 Nidogen-2 precursor	IPI00028908;IPI00293033	107,122.60	100.00%	4	4	8	4.64%
HFF Repeat 2	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798;IPI00746438	20,107.10	99.80%	2	2	2	13.00%
HFF Repeat 2	EFEMP2 EGF-containing fibulin-like extracellular matrix protein 2 precursor	IPI00296058;IPI00556657	67,737.30	99.80%	2	2	2	3.06%
HFF Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	16	16	30	8.91%
HFF Repeat 2	HSPB1 Heat shock protein beta-1	IPI00025512	22,764.60	100.00%	4	4	5	21.50%
HFF Repeat 2	RPL24 60S ribosomal protein L24	IPI00306332;IPI00791426;IPI00793696	19,592.50	99.80%	2	2	4	13.10%
HFF Repeat 2	KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	3	3	4	8.53%
HFF Repeat 2	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	99.80%	2	2	5	8.61%
HFF Repeat 2	RPS9 40S ribosomal protein S9	IPI00221088	22,574.50	100.00%	3	3	4	13.90%
HFF Repeat 2	RPL23 60S ribosomal protein L23	IPI00010153;IPI00742805;IPI00795408	14,931.90	100.00%	2	2	2	18.60%
HFF Repeat 2	ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00303476	56,542.50	100.00%	4	4	5	9.83%
HFF Repeat 2	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	99.90%	2	3	7	8.22%
HFF Repeat 2	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	11	11	40	19.30%
HFF Repeat 2	CD44 Isoform 3 of CD44 antigen precursor	IPI00297160;IPI00305064;IPI00418465;IPI00419219;IPI00827650;IPI00827658;IPI00827795;IPI00827893;IPI00827937;IPI00827982;IPI00828056;IPI00828064;IPI00828117;IPI00828192	46,231.30	99.80%	2	2	5	5.88%
HFF Repeat 2	NT5E 5'-nucleotidase precursor	IPI00009456	63,351.00	100.00%	8	8	11	14.50%
HFF Repeat 2	KRT9 Keratin, type I cytoskeletal 9	IPI00019359	62,113.00	100.00%	9	9	35	23.40%
HFF Repeat 2	ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	59,734.10	100.00%	3	3	3	6.69%
HFF Repeat 2	EMILIN1 EMILIN-1 precursor	IPI00013079	106,676.70	100.00%	16	16	34	18.90%
HFF Repeat 2	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	100.00%	3	3	3	13.30%
HFF Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	5	5	9	25.00%
HFF Repeat 2	H2AFY H2A histone family, member Y isoform 2	IPI00059366;IPI00304171;IPI00744148	39,166.80	100.00%	5	5	16	19.20%
HFF Repeat 2	FBLN2 Fibulin-2 precursor	IPI00023824;IPI00465038	131,840.50	100.00%	6	6	29	5.04%
HFF Repeat 2	RPL7A 60S ribosomal protein L7a	IPI00029573;IPI00479315	29,978.30	100.00%	4	4	5	19.20%
HFF Repeat 2	ANPEP Aminopeptidase N	IPI00221224	109,524.40	100.00%	17	17	33	18.80%
HFF Repeat 2	ANXA6 Annexin A6	IPI00002459;IPI00221226	75,859.50	100.00%	13	14	17	26.00%
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%
HFF Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	65	73	193	25.40%
HFF Repeat 2	RPL27A 60S ribosomal protein L27a	IPI00398135;IPI00456758;IPI00827619	16,412.20	99.80%	2	2	8	8.84%
HFF Repeat 2	ADAMTS1 ADAMTS-1 precursor	IPI00005908	105,339.70	99.80%	2	2	2	1.96%
HFF Repeat 2	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804;IPI00294779	30,773.10	100.00%	3	3	3	19.00%
HFF Repeat 2	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	99.90%	2	2	7	10.50%
HFF Repeat 2	MXRA5 Matrix-remodeling-associated protein 5 precursor	IPI00012347	312,262.50	100.00%	8	8	18	3.61%
HFF Repeat 2	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4J;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	12	15	168	68.00%
HFF Repeat 2	GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	IPI00465121;IPI00748145	40,434.00	99.80%	2	2	3	7.32%
HFF Repeat 2	HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	15,386.70	100.00%	8	9	66	36.00%
HFF Repeat 2	TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135;IPI00296039;IPI00742825	31,682.10	100.00%	4	4	6	12.90%
HFF Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	16	17	31	15.70%
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%
HFF Repeat 2	ANXA2 Annexin A2	IPI00418169;IPI00455315	38,588.10	99.80%	2	2	2	5.60%
HFF Repeat 2	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	2	2	3	2.60%
HFF Repeat 2	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,915.70	99.80%	2	2	2	6.00%
HFF Repeat 2	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	3	3	11	0.94%
HFF Repeat 2	RPL7 60S ribosomal protein L7	IPI00030179;IPI00144171;IPI00472171;IPI00794746	24,416.70	99.80%	2	2	8	10.60%
HFF Repeat 2	MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00331568;IPI00744444;IPI00789605;IPI00796366;IPI00797001	18,481.20	100.00%	11	13	33	60.50%
HFF Repeat 2	RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	29,581.30	100.00%	2	2	8	7.22%
HFF Repeat 2	FLOT1 Flotillin-1	IPI00027438	47,336.80	100.00%	8	8	8	20.60%
HFF Repeat 2	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	8	8	16	13.50%
HFF Repeat 2	ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811;IPI00744414	19,470.00	99.80%	2	2	3	11.40%
HFF Repeat 2	Trypsin - Sus scrofa (Pig).	MAN0000761	24,391.30	99.80%	2	2	47	13.00%
HFF Repeat 2	HIST1H1B Histone H1.5	IPI00217468	22,563.70	100.00%	6	6	21	22.60%
HFF Repeat 2	MBLC2 Myosin regulatory light chain	IPI00033494;IPI00220573;IPI00604523	20,440.00	100.00%	6	6	18	28.80%
HFF Repeat 2	HIST1H1D Histone H1.3	IPI00217466;IPI00217467	21,848.90	100.00%	6	6	29	22.80%
HFF Repeat 2	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	100.00%	3	3	3	5.11%
HFF Repeat 2	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	4	4	6	7.25%
HFF Repeat 2	MSN Moesin	IPI00219365	67,803.80	99.80%	2	2	3	3.29%
HFF Repeat 2	MYO1C Myosin-ic	IPI00010418;IPI00743335;IPI00829992	119,613.60	100.00%	8	8	15	8.24%
HFF Repeat 2	RPS25 40S ribosomal protein S25	IPI00012750;IPI00401105;IPI00478694	13,570.90	99.80%	2	2	6	15.30%
HFF Repeat 2	RPL6 60S ribosomal protein L6	IPI00329389;IPI00790342;IPI00867533	32,725.20	100.00%	4	4	5	12.50%
HFF Repeat 2	RPL4 60S ribosomal protein L4	IPI00003918	47,681.10	99.80%	2	2	3	4.68%
HFF Repeat 2	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	99.80%	2	2	7	17.90%
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836;IPI00102165;IPI00216457;IPI00220855;IPI00255316;IPI00291764;IPI00339274;IPI00552873	13,918.80	100.00%	5	7	52	36.70%
HFF Repeat 2	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	10	18.40%
HFF Repeat 2	FBLN1 Isoform B of Fibulin-1 precursor	IPI00218803;IPI00296534	77,240.80	100.00%	4	4	8	5.83%
HFF Repeat 2	MYO1D Isoform 1 of Myosin-Id	IPI00329719	116,188.20	99.90%	2	2	2	1.99%
HFF Repeat 2	FLOT2 flotillin 2	IPI00789008	47,045.90	100.00%	4	4	5	11.20%
HFF Repeat 2	HIST2H2BE Histone H2B type 2-E	IPI00003935;IPI00152785;IPI00220403;IPI00515061	13,886.70	99.80%	2	2	11	54.80%
HFF Repeat 2	RPL10A 60S ribosomal protein L10a	IPI00412579;IPI00827508	24,682.80	99.60%	2	3	3	6.02%
HFF Repeat 2	RPS27A;UBB Ubiquitin and ribosomal protein S27a precursor	IPI00179330	17,947.60	100.00%	8	9	29	42.30%
HFF Repeat 2	Serum albumin precursor	IPI00708398	69,276.20	100.00%	10	11	18	16.30%
HFF Repeat 2	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00413318;IPI00433214;IPI00604713	67,800.60	100.00%	8	8	10	19.20%
HFF Repeat 2	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	3	3	3	16.00%
HFF Repeat 2	MYH10 Isoform 1 of Myosin-10	IPI00397526;IPI00479307;IPI00790503	231,296.70	100.00%	11	11	16	11.10%
HFF Repeat 2	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	50,784.50	99.70%	2	2	2	4.82%
HFF Repeat 2	ACTB Actin, cytoplasmic 1	IPI00021439;IPI00021440;IPI00848058	45,068.70	100.00%	20	27	176	52.00%
HFF Repeat 2	TUBA1B Tubulin alpha-1B chain	IPI00387144;IPI00792677;IPI00867501	49,652.10	100.00%	8	8	21	25.30%
HFF Repeat 2	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	9	9	36	22.50%
HFF Repeat 2	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	44	56	545	25.90%
HFF Repeat 2	ACTC1 Actin, alpha cardiac muscle 1	IPI00023006	42,002.10	100.00%	3	4	10	39.50%
HFF Repeat 2	MME Neprilysin	IPI00247063	85,499.00	99.80%	2	2	3	2.67%
HFF Repeat 3	HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714;IPI00853068	15,262.60	100.00%	3	3	44	23.20%
HFF Repeat 3	COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	108,562.80	100.00%	13	13	34	14.30%
HFF Repeat 3	RPL27 60S ribosomal protein L27	IPI00219755;IPI00382885	16,398.20	99.80%	2	2	4	14.30%
HFF Repeat 3	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	13	13	28	21.10%
HFF Repeat 3	HIST1H2BL Histone H2B type 1-L	IPI00018534;IPI00020101;IPI00152906;IPI00303133;IPI00329665;IPI00419833;IPI00477495;IPI00554798;IPI00794461;IPI00816252	13,898.60	99.70%	2	2	4	15.90%
HFF Repeat 3	DPT Dermatopontin precursor	IPI00029230	23,986.70	99.80%	2	2	3	9.45%
HFF Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	22	23	51	9.72%
HFF Repeat 3	KRT2 Keratin. type II cytoskeletal 2 epidermal	IPI00021304	65,848.40	100.00%	5	5	14	11.50%
HFF Repeat 3	SERPINF1 Pigment epithelium-derived factor precursor	IPI00296114;IPI00796279	24,498.40	99.80%	2	2	2	6.02%
HFF Repeat 3	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	11	48	17.40%
HFF Repeat 3	KRT9 Keratin. type I cytoskeletal 9	IPI00019359	62,113.00	100.00%	8	9	54	16.20%
HFF Repeat 3	EMILIN1 EMILIN-1 precursor	IPI00013079	106,676.70	100.00%	6	6	10	6.10%
HFF Repeat 3	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	3	3	4	19.10%
HFF Repeat 3	VIM Vimentin	IPI00418471	53,634.60	100.00%	3	3	6	6.44%
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%
HFF Repeat 3	MXRA5 Matrix-remodeling-associated protein 5 precursor	IPI00012347	312,262.50	100.00%	5	5	8	2.16%
HFF Repeat 3	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	6	6	91	42.70%
HFF Repeat 3	HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	15,386.70	100.00%	4	4	28	25.70%
HFF Repeat 3	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	18	21	58	18.50%
HFF Repeat 3	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	99.80%	2	2	13	2.32%
HFF Repeat 3	Trypsin - Sus scrofa (Pig).	MAN0000761	24,391.30	99.80%	2	2	42	13.00%
HFF Repeat 3	KRT5 Keratin, type II cytoskeletal 5	IPI00009867	62,361.60	99.80%	2	2	3	3.56%
HFF Repeat 3	KRT10 Keratin, type I cytoskeletal 10	IPI00009865	59,494.30	100.00%	9	9	23	15.70%
HFF Repeat 3	C3 Complement C3 precursor (Fragment)	IPI00164623;IPI00783987	187,131.10	100.00%	3	3	7	1.80%
HFF Repeat 3	COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	IPI00329573	333,127.30	100.00%	18	18	37	8.23%
HFF Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	13	14	78	19.60%
HFF Repeat 3	A2M Alpha-2-macroglobulin precursor	IPI00478003	163,258.80	99.90%	2	2	6	1.56%
HFF Repeat 3	COL5A2 Collagen alpha-2(V) chain precursor	IPI00739099;IPI00844306	109,625.50	100.00%	3	3	4	2.81%
HFF Repeat 3	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	14	15	49	8.28%
HFF Repeat 3	ACTB Actin. cytoplasmic 1	IPI00021439;IPI00021440;IPI00848058	45.068.70	100.00%	6	6	34	19.30%

Table S2 Peptides and spectra for all biological repeats of LX-2 and HFF CDM purifications

Threshold criterion for peptides: 90.0% minimum

Threshold criteria for proteins: 99.0% minimum and 2 peptides minimum

(*) Peptides denoted FALSE are not exclusively assigned to the indicated proteins but are used for unweighted spectral count quantification

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot Ion score	Mascot Identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	ATAD3A ATPase family, AAA domain containing 3A	IPI00295992,IPI00643435,IPI00646144	64,338.10	99.80%	2	2	3	4.37%	GLLLFVDEADAFLR	R	K	95.00%	49.4	37.9	3.34	2		790.0239	1,578.03	1,578.85	2	0.1877	118.9	391	404	TRUE	
LX-2 Repeat 1	ATAD3A ATPase family, AAA domain containing 3A	IPI00295992,IPI00643435,IPI00646144	64,338.10	99.80%	2	2	3	4.37%	GLLLFVDEADAFLR	R	K	95.00%	59.8	37.8	4.2	2		790.4786	1,578.94	1,578.85	2	1.097	59.65	391	404	TRUE	
LX-2 Repeat 1	ATAD3A ATPase family, AAA domain containing 3A	IPI00295992,IPI00643435,IPI00646144	64,338.10	99.80%	2	2	3	4.37%	TAGTLFGEGFR	R	A	95.00%	83.3	39	2.33	2		578.3218	1,154.63	1,155.58	2	0.05684	49.18	214	224	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AAGVPSATITWR	R	K	95.00%	69.5	39.2	1.82	2		615.3618	1,228.71	1,229.66	2	0.05257	42.75	1979	1990	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AELLVTEAPSKPITVTVEEQR	R	S	95.00%	40.3	36.1	1.77	2		770.7235	2,309.15	2,310.26	3	-0.09935	-43.01	1759	1779	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AGFFGDAMK	K	A	95.00%	42	39.5	0	2		472.2678	942.521	943.4343	2	0.09393	99.55	797	805	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	ALEVEEcR	R	C	95.00%	48.2	39.7	0	2	c7: Carbamidomethyl (+57.02)	503.3103	1,004.61	1,005.47	2	0.1463	145.5	1524	1531	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AmDFNGILTIR	R	N	95.00%	45.2	38.7	0	2	m2: Oxidation (+15.99)	633.8986	1,265.78	1,266.65	2	0.1387	109.5	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AmDFNGILTIR	R	N	95.00%	61.9	38.7	1.77	2	m2: Oxidation (+15.99)	634.3471	1,266.68	1,266.65	2	1.036	25.92	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AmDFNGILTIR	R	N	95.00%	62.6	38.7	1.57	2	m2: Oxidation (+15.99)	633.8609	1,265.71	1,266.65	2	0.06326	49.94	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AmDFNGILTIR	R	N	95.00%	70.2	38.7	3.26	2	m2: Oxidation (+15.99)	633.8081	1,265.60	1,266.65	2	-0.04243	-33.5	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AMDFNGILTIR	R	N	95.00%	75.4	38.8	3.09	2		626.3367	1,250.66	1,250.66	2	1.01	5.705	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	AMDFNGILTIR	R	N	95.00%	80.6	38.8	3.27	2		626.3663	1,250.72	1,250.66	2	1.069	52.89	1818	1828	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	ASYAQQPAESR	R	V	95.00%	51	39.1	3.52	2		604.3251	1,206.64	1,207.57	2	0.07286	60.33	1091	1101	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	ASYAQQPAESR	R	V	95.00%	68.4	39.1	4.19	2		604.3126	1,206.61	1,207.57	2	0.04787	39.64	1091	1101	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	EHLLmALADLDELLIR	R	A	95.00%	43.4	37.3	2.19	2	m5: Oxidation (+15.99)	628.0202	1,881.04	1,881.02	3	1.031	14.83	1479	1494	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	EHLLMALADLDELLIR	R	A	95.00%	52.5	37.5	1.7	2		622.411	1,864.21	1,865.02	3	0.1981	106.2	1479	1494	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	EHLLmALAGIDTLLIR	R	A	95.00%	115	37.7	3.6	2	m5: Oxidation (+15.99)	599.0402	1,794.10	1,795.02	3	0.09104	50.71	1075	1090	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	EVSEAVVDTLESEYLK	R	I	95.00%	45	37.3	2.27	2		906.0767	1,810.14	1,810.90	2	0.2503	138.2	110	125	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	EVSEAVVDTLESEYLK	R	I	95.00%	49.6	37.3	3.15	2		906.0903	1,810.17	1,810.90	2	0.2775	153.2	110	125	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	FDAGSGMATIR	R	H	95.00%	58.5	38.8	1.8	2		563.2541	1,124.49	1,125.54	2	-0.03483	-30.95	3737	3747	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	FLGDKVTSYGGELR	R	F	95.00%	48.6	38.2	1.77	2		514.6764	1,541.01	1,541.80	3	0.2187	141.8	997	1010	TRUE	
LX-2 Repeat 1	HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor	IPI00024284	468,787.50	100.00%	36	37	66	11.50%	FLVHDSFWALPEQFLGNK	R	V	95.00%	36.5	36.5	0	2		717.0662	2,148.18	2,148.09	3	1.093	41.79	589	606	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	39	37.6	1.44	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	888.5193	1,775.02	1,775.81	2	0.2221	125.1	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGImNSFVNDIFER	K	I	95.00%	40.8	37.6	0	2	m5: Oxidation (+15.99)	880.5042	1,758.99	1,759.81	2	0.1868	106.2	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	0	0	3.27	2		873.4803	1,744.95	1,743.82	2	2.134	73.58	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	41	37.7	0	2		872.9763	1,743.94	1,743.82	2	1.126	70.6	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGImNSFVNDIFER	K	I	95.00%	41.2	37.7	1.85	2	m5: Oxidation (+15.99)	880.9847	1,759.95	1,759.81	2	1.148	82.38	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	42	37.6	0	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	592.8722	1,775.59	1,775.81	3	0.7928	-118.2	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	42.8	37.7	0	2		873.0063	1,744.00	1,743.82	2	1.186	105	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	43.3	37.5	2.19	2		582.0324	1,743.08	1,743.82	3	0.2632	150.9	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	44.6	37.6	0	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	592.7102	1,775.11	1,775.81	3	0.3068	172.7	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	46.2	37.5	5.15	2		872.544	1,743.07	1,743.82	2	0.2613	149.8	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	47	37.7	1.72	2		582.3348	1,743.98	1,743.82	3	1.17	96.14	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGIMNSFVNDIFER	K	I	95.00%	47.2	37.7	4.28	2	m2: Oxidation (+15.99)	881.0152	1,760.02	1,759.81	2	1.209	117.1	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	47.7	37.7	4.49	2		872.9703	1,743.93	1,743.82	2	1.114	63.73	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGIMNSFVNDIFER	K	I	95.00%	49.8	37.7	0	2	m2: Oxidation (+15.99)	881.0077	1,760.00	1,759.81	2	1.194	108.6	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	50.1	37.6	2.7	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	592.5489	1,774.63	1,775.81	3	-0.1769	-99.64	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	50.9	37.6	0	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	889.0063	1,776.00	1,775.81	2	1.196	108.9	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGImNSFVNDIFER	K	I	95.00%	53.1	37.6	4.18	2	m5: Oxidation (+15.99)	880.4853	1,758.96	1,759.81	2	0.149	84.67	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AmGImNSFVNDIFER	K	I	95.00%	53.2	37.6	2.77	2	m2: Oxidation (+15.99), m5: Oxidation (+15.99)	888.5005	1,774.99	1,775.81	2	0.1846	104	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	55.3	37.5	0	2		581.9976	1,742.97	1,743.82	3	0.159	91.2	59	73	TRUE	
LX-2 Repeat 1	HIST1H2BL Histone H2B type 1-L	IPI00018534,IPI00020101,IPI00152906,IPI00303133,IPI00329665,IPI00419833,IPI00477495,IPI00554798,IPI00794461,IPI00816252	13,934.70	100.00%	5	6	76	38.10%	AMGIMNSFVNDIFER	K	I	95.00%	55.7	37.7	2.35	2		873.0303	1,744.05	1,743.82	2	1.234	132.5	59	73	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	VVTPLSPPTNLHLEANPDTGVLTVSWER	K	S	95.00%	0	0	2.85	2		1,015.67	3,043.99	3,042.59	3	2.412	133.6	1170	1197	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WcGTTQNYDADQK	K	F	95.00%	59.7	38.2	2.66	2	c2: Carbamidomethyl (+57.02)	793.8555	1,585.70	1,586.65	2	0.04947	31.18	445	457	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WLPSSSPVTGYR	K	V	95.00%	43.8	39.1	4.72	2		675.3557	1,348.70	1,349.68	2	0.01931	14.31	1562	1573	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WLPSSSPVTGYR	K	V	95.00%	44.2	38.8	2.96	2		675.8149	1,349.62	1,349.68	2	0.9377	-48.18	1562	1573	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WLPSSSPVTGYR	K	V	95.00%	45.8	39.1	1.59	2		675.3546	1,348.69	1,349.68	2	0.017	12.59	1562	1573	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WLPSSSPVTGYR	K	V	95.00%	50.3	39.1	2.24	2		675.3741	1,348.73	1,349.68	2	0.05606	41.53	1562	1573	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	WLPSSSPVTGYR	K	V	95.00%	53.6	38.8	2.66	2		675.8266	1,349.64	1,349.68	2	0.9612	-30.78	1562	1573	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YEVSVYALK	K	D	95.00%	14.5	39.8	1.19	2		536.8666	1,071.72	1,071.57	2	1.154	141	1788	1796	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YEVSVYALK	K	D	95.00%	15.9	39.6	1.07	2		536.3668	1,070.72	1,071.57	2	0.1544	144	1788	1796	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YEVSVYALK	K	D	95.00%	36.8	39.8	1.85	2		536.825	1,071.64	1,071.57	2	1.071	63.37	1788	1796	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YSFcTDHTVLVQTR	K	G	95.00%	40.7	37.6	3.43	2	c4: Carbamidomethyl (+57.02)	576.3345	1,725.98	1,726.82	3	0.1671	96.74	398	411	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YSFcTDHTVLVQTR	K	G	95.00%	78.5	37.5	1.6	2	c4: Carbamidomethyl (+57.02)	576.6602	1,726.96	1,726.82	3	1.144	81.87	398	411	TRUE	
LX-2 Repeat 1	FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	256,486.40	100.00%	37	40	164	25.90%	YSFcTDHTVLVQTR	K	G	95.00%	80.6	37.5	2.34	2	c4: Carbamidomethyl (+57.02)	576.6348	1,726.88	1,726.82	3	1.068	37.8	398	411	TRUE	
LX-2 Repeat 1	FGF2 fibroblast growth factor 2	IPI00154603	30,752.70	99.80%	2	2	2	6.94%	AILFLPMSAK	K	-	95.00%	39.2	39.6	0	2		545.8603	1,089.71	1,090.63	2	0.0803	73.62	278	287	TRUE	
LX-2 Repeat 1	FGF2 fibroblast growth factor 2	IPI00154603	30,752.70	99.80%	2	2	2	6.94%	LESNNYNTYR	R	S	95.00%	55.5	38.9	1.11	2		637.3655	1,272.72	1,273.58	2	0.1431	112.3	240	249	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	AGLELGAEPETIVNSGLISPEGLAIDHIR	R	R	95.00%	51.6	34.3	2.77	2		991.6545	2,971.94	2,971.57	3	1.375	125.2	1169	1197	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	GNLYWTDWNR	R	E	95.00%	41.3	38.5	0	2		663.3863	1,324.76	1,324.61	2	1.158	117.4	1241	1250	FALSE	IPI00026944,IPI00384542
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	GNLYWTDWNR	R	E	95.00%	60.2	38.5	2.47	2		662.8446	1,323.67	1,324.61	2	0.07508	56.68	1241	1250	FALSE	IPI00026944,IPI00384542
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	HPSFPTTQQLNVDR	R	V	95.00%	42.9	37.7	0	2		547.342	1,639.00	1,639.82	3	0.1926	117.4	715	728	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	HPSFPTTQQLNVDR	R	V	95.00%	50.9	37.7	2.52	2		820.4987	1,638.98	1,639.82	2	0.1714	104.5	715	728	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	ITQTAGGLDPENLSIK	R	T	95.00%	30.9	37.4	1.96	2		946.5634	1,891.11	1,891.97	2	0.1544	81.59	629	645	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	LLcWADAGTK	K	K	95.00%	51.2	39.4	1.25	2	c3: Carbamidomethyl (+57.02)	567.88	1,133.75	1,134.56	2	0.1912	168.5	1287	1296	TRUE	
LX-2 Repeat 1	NID2 Nidogen-2 precursor	IPI00028908,IPI00293033	151,376.50	100.00%	9	10	13	10.10%	MVYWTDVAGR	R	T	95.00%	45.8	38.9	1.82	2		599.3703	1,196.73	1,197.57	2	0.1611	134.5	1155	1164	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	50.8	38.7	0.959	2		651.9073	1,301.80	1,302.72	2	0.09191	70.55	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	51.7	38.7	3.05	2		651.829	1,301.64	1,302.72	2	-0.06457	-49.57	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	54.4	38.7	2.62	2		651.9005	1,301.79	1,302.72	2	0.07842	60.19	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	54.6	38.7	2.74	2		651.8974	1,301.78	1,302.72	2	0.07209	55.33	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	55.3	38.7	3.19	2		651.8957	1,301.78	1,302.72	2	0.0687	52.73	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	56	38.7	2.8	2		651.8981	1,301.78	1,302.72	2	0.07364	56.53	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	57.2	38.7	2.22	2		651.8625	1,301.71	1,302.72	2	0.002443	1.875	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	57.8	38.7	2.92	2		651.8103	1,301.61	1,302.72	2	-0.1021	-78.36	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	58.5	38.8	1.72	2		652.378	1,302.74	1,302.72	2	1.033	23.46	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	58.6	38.8	1.49	2		652.3803	1,302.75	1,302.72	2	1.038	27	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	58.6	38.8	2.3	2		652.3953	1,302.78	1,302.72	2	1.068	50.01	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	63.4	38.7	2	2		651.8894	1,301.76	1,302.72	2	0.05611	43.07	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	64	38.7	3.3	2		651.9066	1,301.80	1,302.72	2	0.09056	69.51	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	65.6	38.7	2.17	2		651.914	1,301.81	1,302.72	2	0.1053	80.84	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	66	38.7	2.77	2		651.8469	1,301.68	1,302.72	2	-0.02874	-22.06	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	67.8	38.7	1.34	2		651.8667	1,301.72	1,302.72	2	0.01087	8.343	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	67.9	38.7	3.13	2		651.9214	1,301.83	1,302.72	2	0.1201	92.2	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLDLDSIIAEVK	R	A	95.00%	70.5	38.7	2.74	2		651.9083	1,301.80	1,302.72	2	0.09393	72.1	344	355	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLNNQFASFIDK	K	V	95.00%	45.8	38.6	1.72	2		692.3571	1,382.70	1,383.69	2	0.01668	12.05	186	197	TRUE	
LX-2 Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	17	17	104	28.70%	SLNNQFASFIDK	K	V	95.00%	54.9	38.6	0.796	2		692.3917	1,382.77	1,383.69	2	0.08571	61.94	186	197	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	100.00%	6	6	12	12.70%	VEIIANDQGNR	K	T	95.00%	70.5	39.1	1.82	2		614.8373	1,227.66	1,228.63	2	0.03913	31.85	26	36	TRUE	
LX-2 Repeat 1	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00301154,IPI00410017,IPI00478522,IPI00794246,IPI00796945	70,653.30	99.80%	2	2	2	2.99%	GFGFVSFER	K	H	95.00%	39.9	39.6	3.41	2		523.3273	1,044.64	1,045.51	2	0.1372	131.3	232	240	TRUE	
LX-2 Repeat 1	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00301154,IPI00410017,IPI00478522,IPI00794246,IPI00796945	70,653.30	99.80%	2	2	2	2.99%	NLDDGIDDER	K	L	95.00%	40.5	39.2	1.89	2		581.3317	1,160.65	1,161.50	2	0.154	132.6	300	309	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EEAENTLQSFR	R	Q	95.00%	55.2	38.5	3.05	2		662.8263	1,323.64	1,323.62	2	1.028	18.87	197	207	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EEAENTLQSFR	R	Q	95.00%	59.5	38.4	1.74	2		662.3438	1,322.67	1,323.62	2	0.06279	47.43	197	207	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EEAENTLQSFR	R	Q	95.00%	62.2	38.4	1.68	2		662.3352	1,322.66	1,323.62	2	0.04558	34.43	197	207	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EEAENTLQSFR	R	Q	95.00%	76.7	38.4	0	2		662.3218	1,322.63	1,323.62	2	0.0188	14.21	197	207	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EMEENFAVEAANYQDTIGR	R	L	95.00%	35.5	36.5	0	2		730.0502	2,187.13	2,186.97	3	1.17	76.47	346	364	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EMEENFAVEAANYQDTIGR	R	L	95.00%	73.3	36.5	1.74	2		729.7389	2,186.20	2,186.97	3	0.2363	108	346	364	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EYQDLLNVK	R	M	90.20%	9.91	39.2	0.745	2		561.821	1,121.63	1,121.58	2	1.051	42.87	382	390	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	EYQDLLNVK	R	M	94.80%	38.3	39.5	0	2		561.3834	1,120.75	1,121.58	2	0.1756	156.5	382	390	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	30.6	39	1.16	2		547.3217	1,092.63	1,093.53	2	0.1089	99.56	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	32.8	39	1.36	2		547.3027	1,092.59	1,093.53	2	0.07089	64.82	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	51.5	39	1.92	2		547.2919	1,092.57	1,093.53	2	0.04927	45.05	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	53.1	39	1.01	2		547.2224	1,092.43	1,093.53	2	-0.08962	-81.97	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	53.2	39	2.47	2		547.3119	1,092.61	1,093.53	2	0.08919	81.55	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	55.9	39	1.24	2		547.3473	1,092.68	1,093.53	2	0.1601	146.4	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANR	K	N	95.00%	65.3	39	0	2		547.3422	1,092.67	1,093.53	2	0.1498	137	295	304	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	FADLSEAANRNNDALR	K	Q	95.00%	31.5	37.6	0.824	2		593.369	1,777.09	1,776.86	3	1.23	127.8	295	310	TRUE	
LX-2 Repeat 1	VIM Vimentin	IPI00418471	53,634.60	100.00%	24	27	97	53.90%	ILLAELEQLK	K	G	95.00%	49	39.1	0	2		585.9303	1,169.85	1,169.71	2	1.139	116.4	130	139	TRUE	

[illegible]

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	34,045.20	99.80%	2	2	2	6.69%	GIYTGLSAGLLR	R	Q	95.00%	26.3	39	2.57	2		610.8903	1,219.77	1,220.70	2	0.07333	60.07	79	90	TRUE	
LX-2 Repeat 1	SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	34,045.20	99.80%	2	2	2	6.69%	YEGFFSLWK	R	G	95.00%	35.6	39.2	2.25	2		588.8344	1,175.65	1,176.57	2	0.08909	75.71	272	280	TRUE	
LX-2 Repeat 1	SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	45,042.20	99.90%	2	2	2	9.20%	EVPLSALTNILSAQLISHWK	K	G	95.00%	38.5	36.4	1.74	2		740.7602	2,219.26	2,220.24	3	0.02715	12.23	267	286	TRUE	
LX-2 Repeat 1	SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	45,042.20	99.90%	2	2	2	9.20%	MAPEEIIMDRPFLFVVR	R	H	95.00%	34.6	36.8	1.6	2		688.8002	2,063.38	2,063.08	3	1.304	146	370	386	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LSQNNFALGYK	K	A	95.00%	47.7	38.8	2.28	2		627.8223	1,253.63	1,254.65	2	-0.01047	-8.347	164	174	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LSQNNFALGYK	K	A	95.00%	54.5	38.8	3.01	2		627.8753	1,253.74	1,254.65	2	0.09553	76.13	164	174	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLDTIFVPNTGK	K	K	95.00%	60.7	38.6	2.23	2		709.9686	1,417.92	1,418.79	2	0.1407	99.19	97	109	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLDTIFVPNTGK	K	K	95.00%	63.9	38.6	3.49	2		709.9321	1,417.85	1,418.79	2	0.06772	47.73	97	109	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLDTIFVPNTGK	K	K	95.00%	73.2	38.6	4.74	2		709.945	1,417.88	1,418.79	2	0.09347	65.88	97	109	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLDTIFVPNTGKK	K	S	94.00%	35.7	38.1	0	2		516.7184	1,547.13	1,546.88	3	1.256	163.8	97	110	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	46.2	39.7	1.82	2		515.8503	1,029.69	1,030.61	2	0.07873	76.38	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	51.2	39.7	0	2		515.9083	1,029.80	1,030.61	2	0.1948	189	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	64	39.7	1.85	2		515.8723	1,029.73	1,030.61	2	0.1227	119	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	70.9	39.7	0	2		515.8317	1,029.65	1,030.61	2	0.04159	40.35	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	71.8	39.7	1.51	2		515.9045	1,029.79	1,030.61	2	0.1871	181.5	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	LTLSALIDGK	K	N	95.00%	78.7	39.7	2.36	2		515.8625	1,029.71	1,030.61	2	0.1032	100.1	257	266	FALSE	IPI00216308
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	VcNYGLTFTQK	K	W	95.00%	49.2	38.7	1.16	2	c2: Carbamidomethyl (+57.02)	665.9203	1,329.83	1,330.65	2	0.1872	140.6	64	74	TRUE	
LX-2 Repeat 1	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	100.00%	5	5	8	21.90%	WNTDNTLGTEISWENK	K	L	95.00%	68.4	37.4	1.36	2		954.5385	1,907.06	1,907.88	2	0.1926	100.9	75	90	TRUE	
LX-2 Repeat 1	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	100.00%	2	3	4	10.50%	ASGNYATVISHNPETK	R	K	92.40%	34.3	37.7	0	2		563.9928	1,688.96	1,688.82	3	1.14	81.31	129	144	TRUE	
LX-2 Repeat 1	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	100.00%	2	3	4	10.50%	ASGNYATVISHNPETK	R	K	95.00%	12.2	37.8	2.16	2		563.6952	1,688.06	1,688.82	3	0.2472	146.3	129	144	TRUE	
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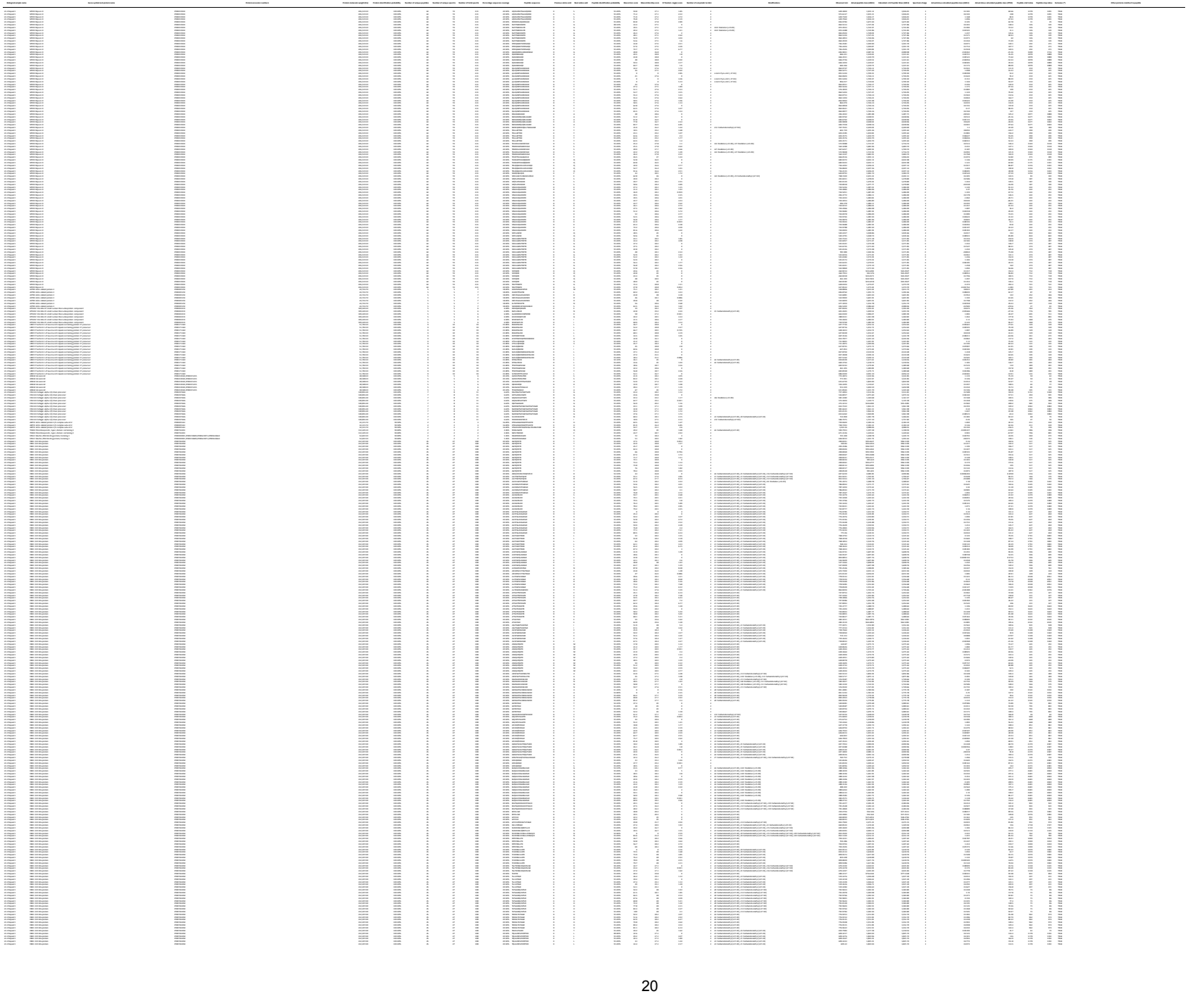
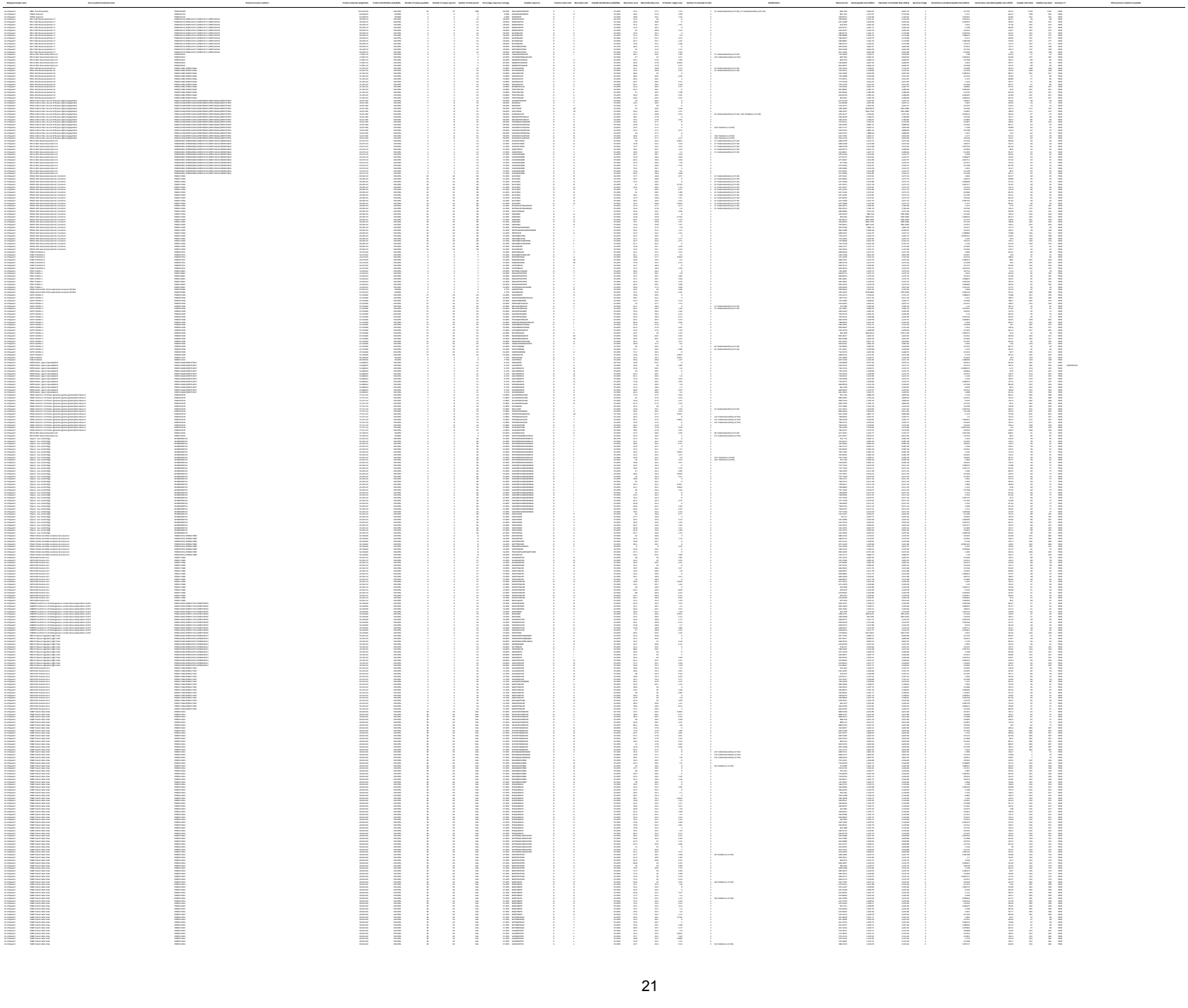
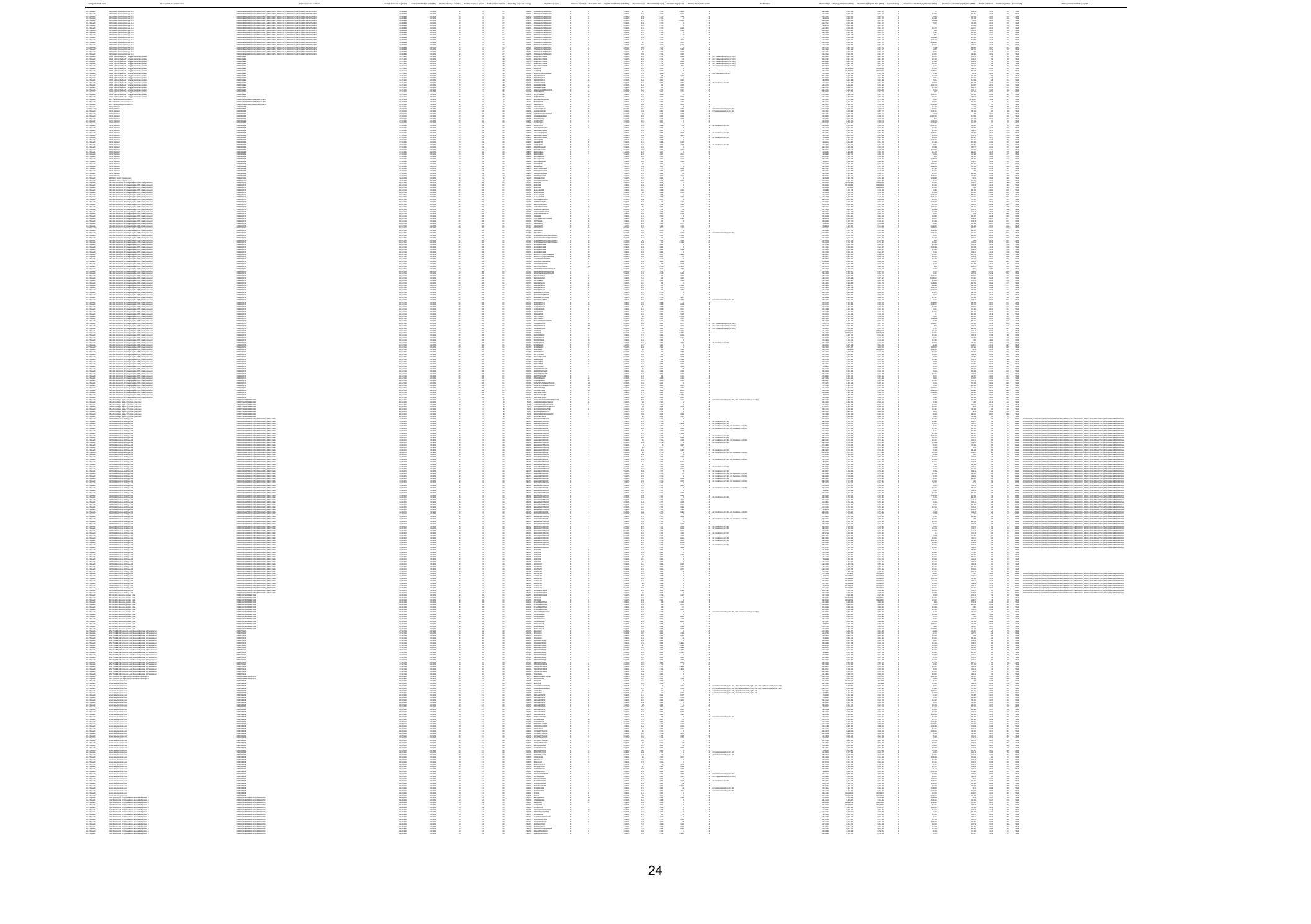




Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	42.8	39.5	2.54	2		572.3829	1,142.75	1,143.63	2	0.1241	108.5	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	43.2	39.4	1.57	2	m5: Oxidation (+15.99)	580.3937	1,158.77	1,159.63	2	0.1509	130.1	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	44.4	39.5	1.62	2		572.3543	1,142.69	1,143.63	2	0.06703	58.61	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	45.6	39.5	1.85	2		572.3788	1,142.74	1,143.63	2	0.116	101.4	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	47	39.5	2.92	2		572.3568	1,142.70	1,143.63	2	0.07193	62.89	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	47.2	39.5	0.921	2		572.3636	1,142.71	1,143.63	2	0.08559	74.84	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	47.4	39.4	1.07	2	m5: Oxidation (+15.99)	580.3603	1,158.71	1,159.63	2	0.08401	72.44	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	49.4	39.5	3.32	2		572.3634	1,142.71	1,143.63	2	0.08518	74.47	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	49.6	39.5	1	2		572.9373	1,143.86	1,143.63	2	1.233	201.1	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	49.8	39.3	0	2	m5: Oxidation (+15.99)	581.0103	1,160.01	1,159.63	2	1.384	328.4	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	51.9	39.5	2.46	2		572.3697	1,142.72	1,143.63	2	0.09786	85.56	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	52.2	39.5	1.85	2		572.3691	1,142.72	1,143.63	2	0.09668	84.53	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	52.3	39.4	3.18	2	m5: Oxidation (+15.99)	580.3311	1,158.65	1,159.63	2	0.02561	22.09	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	52.3	39.4	2.42	2	m5: Oxidation (+15.99)	580.3857	1,158.76	1,159.63	2	0.1348	116.2	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	52.6	39.5	2.24	2		572.3359	1,142.66	1,143.63	2	0.03015	26.36	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	52.7	39.5	2.43	2		572.3569	1,142.70	1,143.63	2	0.07226	63.18	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	53.5	39.5	1.49	2		572.3835	1,142.75	1,143.63	2	0.1254	109.6	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	53.8	39.4	1.82	2	m5: Oxidation (+15.99)	580.4103	1,158.81	1,159.63	2	0.184	158.7	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNMVPFPR	K	L	95.00%	54.5	39.5	1.47	2		572.3617	1,142.71	1,143.63	2	0.08171	71.44	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LAVNmVPFPR	K	L	95.00%	67.5	39.4	2.72	2	m5: Oxidation (+15.99)	580.3576	1,158.70	1,159.63	2	0.07861	67.78	253	262	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LHFFmPGFAPLTSR	R	G	91.60%	34	37.8	0	2	m5: Oxidation (+15.99)	545.8502	1,634.53	1,636.83	3	-1.295	-178.4	263	276	TRUE	
LX-2 Repeat 1	TUBB Tubulin beta chain	IPI00011654	49,652.60	100.00%	18	20	166	57.20%	LHFFMPGFAPLTSR	R	G	92.40%	0	0	2.55	2		541.6502	1,621.93	1,620.84	3	2.1	58.47	263	276	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

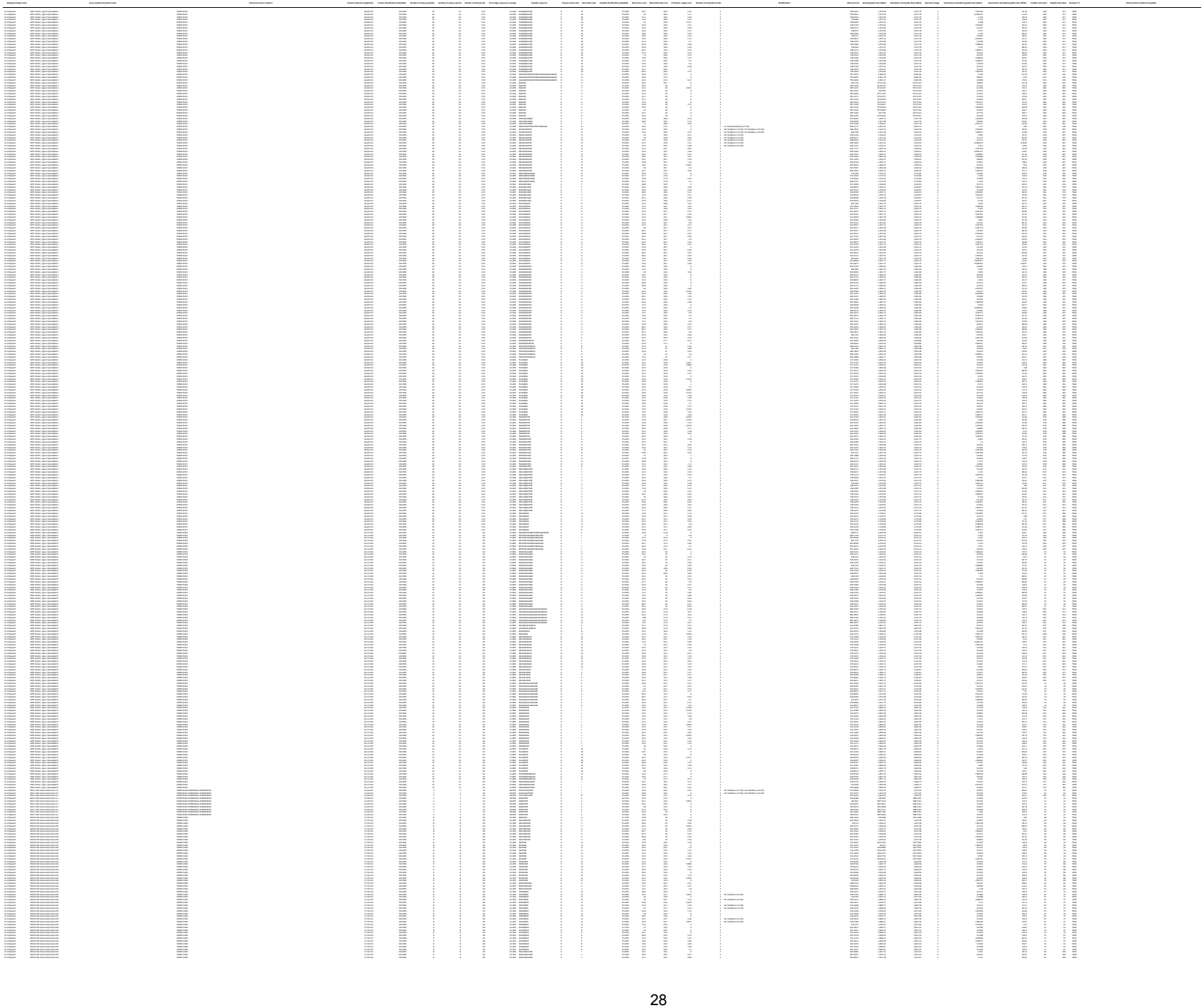
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750,IPI00401105,IPI00478694	13,725.00	100.00%	3	3	8	22.40%	LITPAVVSER	K	L	95.00%	51.3	39.1	0	2		542.8523	1,083.69	1,084.64	2	0.06127	56.48	67	76	TRUE	
LX-2 Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750,IPI00401105,IPI00478694	13,725.00	100.00%	3	3	8	22.40%	LITPAVVSER	K	L	95.00%	54.2	39.1	0	2		542.8864	1,083.76	1,084.64	2	0.1295	119.3	67	76	TRUE	
LX-2 Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750,IPI00401105,IPI00478694	13,725.00	100.00%	3	3	8	22.40%	LITPAVVSER	K	L	95.00%	55.6	39.1	0.77	2		542.8781	1,083.74	1,084.64	2	0.1127	103.9	67	76	TRUE	
LX-2 Repeat 1	RPS25 40S ribosomal protein S25	IPI00012750,IPI00401105,IPI00478694	13,725.00	100.00%	3	3	8	22.40%	LNNLVLFDK	K	A	95.00%	72	39.6	0	2		538.3344	1,074.65	1,075.61	2	0.04676	43.47	44	52	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	AIPQLQGYLR	K	S	95.00%	27.5	39.3	1.92	2		579.3903	1,156.77	1,158.66	2	-0.8899	97.48	263	272	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	AIPQLQGYLR	K	S	95.00%	54.9	39.3	1.03	2		579.8848	1,157.76	1,158.66	2	0.09909	85.52	263	272	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	37.4	38.1	2.09	2		763.4858	1,524.96	1,525.93	2	0.03279	21.48	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	38.5	38.1	1.74	2		509.2215	1,524.64	1,525.93	3	-0.2817	-184.6	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	39	38.1	4.43	2		763.4974	1,524.98	1,525.93	2	0.05605	36.73	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	52.1	38.1	2.05	2		763.5419	1,525.07	1,525.93	2	0.1451	95.05	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	55	38.1	3.6	2		509.366	1,525.08	1,525.93	3	0.1519	99.55	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	55.6	38.1	4.82	2		763.5156	1,525.02	1,525.93	2	0.09237	60.53	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	66.5	38.1	5.6	2		763.534	1,525.05	1,525.93	2	0.1292	84.68	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	81.8	38.1	2.21	2		509.3702	1,525.09	1,525.93	3	0.1645	107.8	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	ASITPGTILIILTGR	R	H	95.00%	83.1	38	4.6	2		509.7142	1,526.12	1,525.93	3	1.196	126.9	142	156	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	AVDSQILPK	K	I	95.00%	49.6	39	1	2		485.8147	969.6148	970.5569	2	0.0651	67.07	252	260	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	HLTDAYFK	K	K	94.10%	19.8	38.9	0.921	2		498.3627	994.7109	994.4993	2	1.219	217	211	218	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	HLTDAYFK	K	K	95.00%	19.3	39.2	1.85	2		497.8323	993.65	994.4993	2	0.1579	158.8	211	218	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	HLTDAYFK	K	K	95.00%	27.8	39.2	2.4	2		497.8214	993.6282	994.4993	2	0.1361	136.9	211	218	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	QLASGLLLVTGPLVLNR	K	V	95.00%	40.8	37.8	1.85	2		588.8102	1,763.41	1,764.07	3	0.3416	193.6	167	183	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	qLASGLLLVTGPLVLNR	K	V	95.00%	0	0	3.96	2	n-term: Pyro-cmC (-17.03)	874.5763	1,747.14	1,747.05	2	1.098	54.22	167	183	TRUE	
LX-2 Repeat 1	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	100.00%	5	7	18	20.50%	QLASGLLLVTGPLVLNR	K	V	95.00%	71.4	37.7	3.13	2		882.6583	1,763.30	1,764.07	2	0.2349	133.1	167	183	TRUE	
LX-2 Repeat 1	ACTB Actin, cytoplasmic 1	IPI00021439,IPI00021440,IPI00848058	41,719.80	100.00%	16	22	118	57.60%	AGFAGDDAPR	K	A	95.00%	44.2	40.1	0.959	2		488.7808	975.5471	976.4484	2	0.106	108.5	19	28	TRUE	



Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 1	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00433214,IPI00604713	66,004.20	100.00%	13	14	19	29.40%	VQSLQATFGTFESILR	K	S	95.00%	55	37.5	1.72	2		599.7483	1,796.22	1,796.95	3	0.2762	153.7	162	177	TRUE	
LX-2 Repeat 1	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00433214,IPI00604713	66,004.20	100.00%	13	14	19	29.40%	VQSLQATFGTFESILR	K	S	95.00%	57.9	37.4	1.1	2		600.0388	1,797.09	1,796.95	3	1.147	80.49	162	177	TRUE	
LX-2 Repeat 1	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00433214,IPI00604713	66,004.20	100.00%	13	14	19	29.40%	VQSLQATFGTFESILR	K	S	95.00%	72.7	37.4	5.62	2		899.0906	1,796.17	1,796.95	2	0.2197	122.2	162	177	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	AELNEFLTR	K	E	95.00%	38.6	39	0	2		547.3723	1,092.73	1,092.57	2	1.169	151.9	19	27	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	AELNEFLTR	K	E	95.00%	47.8	39.3	0	2		546.8501	1,091.69	1,092.57	2	0.1244	113.9	19	27	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	AELNEFLTR	K	E	95.00%	51.2	39.3	1	2		546.8136	1,091.61	1,092.57	2	0.05149	47.13	19	27	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	AELNEFLTR	K	E	95.00%	55	39	0	2		547.2935	1,092.57	1,092.57	2	1.011	7.85	19	27	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	AELNEFLTR	K	E	95.00%	59.9	39.3	0	2		546.8811	1,091.75	1,092.57	2	0.1864	170.6	19	27	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	DEILPTTPISEQK	K	G	95.00%	35.7	38.6	1.25	2		735.9085	1,469.80	1,470.77	2	0.04069	27.67	215	227	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	DEILPTTPISEQK	K	G	95.00%	41.4	38.4	1.47	2		736.4149	1,470.82	1,470.77	2	1.054	34.53	215	227	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	ELAEDGYSGVEVR	R	V	95.00%	85	38.3	5.8	2		712.4068	1,422.80	1,423.67	2	0.1364	95.78	28	40	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	ELAEDGYSGVEVR	R	V	95.00%	87.6	38.3	4.68	2		712.4533	1,422.89	1,423.67	2	0.2294	161.1	28	40	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	FGFPEGSVELYAEK	R	V	95.00%	46.5	38.3	3.09	2		787.4124	1,572.81	1,572.76	2	1.059	36.02	77	90	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	FGFPEGSVELYAEK	R	V	95.00%	57.5	38.2	4.85	2		786.9066	1,571.80	1,572.76	2	0.04776	30.37	77	90	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	FGFPEGSVELYAEK	R	V	95.00%	59.2	38.2	4.51	2		786.9803	1,571.95	1,572.76	2	0.1951	124.1	77	90	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	FVDGLMIHSGDPVNYYVDTAVR	K	H	95.00%	27.8	35.9	2.59	2		823.7973	2,468.37	2,468.19	3	1.186	74.13	152	173	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	FVDGLMIHSGDPVNYYVDTAVR	K	H	95.00%	47.3	36.1	1.2	2		823.4919	2,467.45	2,468.19	3	0.2695	109.2	152	173	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	GGKPEPPAMPQPVPTA	K	-	95.00%	22	38.1	1.89	2		787.9728	1,573.93	1,573.80	2	1.134	83.11	228	243	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	GGKPEPPAMPQPVPTA	K	-	95.00%	24.3	38.3	2.74	2		787.4833	1,572.95	1,573.80	2	0.1547	98.3	228	243	TRUE	
LX-2 Repeat 1	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	100.00%	10	10	26	52.30%	GGKPEPPAMPQPVPTA	K	-	95.00%	26.9	38.3	2.1	2		787.5003	1,572.99	1,573.80	2	0.1886	119.8	228	243	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	IPSETLNR	K	I	95.00%	46.5	39.7	0.824	2		465.3458	928.677	929.5051	2	0.1791	192.6	288	295	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	IPSETLNR	K	I	95.00%	47.9	39.7	0.921	2		465.3383	928.6621	929.5051	2	0.1642	176.7	288	295	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	IPSETLNR	K	I	95.00%	51.8	39.7	0	2		465.3137	928.6129	929.5051	2	0.1151	123.8	288	295	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	IPSETLNR	K	I	95.00%	52.4	39.7	0	2		465.3498	928.6851	929.5051	2	0.1872	201.4	288	295	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	IPSETLNR	K	I	95.00%	61.4	39.7	1.6	2		465.3412	928.6678	929.5051	2	0.1699	182.8	288	295	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	90.30%	17.7	38.8	0.678	2		658.8918	1,315.77	1,315.80	2	0.9777	-18.99	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	90.90%	21.2	38.7	0.699	2		658.4363	1,314.86	1,315.80	2	0.06686	50.81	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	27.5	38.7	1.24	2		658.4592	1,314.90	1,315.80	2	0.1126	85.58	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	31.1	38.8	1.52	2		658.9618	1,315.91	1,315.80	2	1.118	87.38	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	31.6	38.7	3	2		658.4553	1,314.90	1,315.80	2	0.1047	79.59	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	31.7	38.7	1.01	2		658.4598	1,314.91	1,315.80	2	0.1138	86.52	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	38.3	38.7	2.59	2		658.4795	1,314.94	1,315.80	2	0.1532	116.4	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	40.2	38.7	1.77	2		658.4818	1,314.95	1,315.80	2	0.1579	120	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	42.2	38.7	2.66	2		658.4685	1,314.92	1,315.80	2	0.1313	99.76	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	43.9	38.7	1.96	2		658.4363	1,314.86	1,315.80	2	0.06673	50.71	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	44.5	38.7	2.1	2		658.4633	1,314.91	1,315.80	2	0.1208	91.78	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	55.2	38.7	2.31	2		658.4813	1,314.95	1,315.80	2	0.1569	119.2	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	55.5	38.8	1.82	2		658.972	1,315.93	1,315.80	2	1.138	102.8	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	55.6	38.7	1.7	2		658.4662	1,314.92	1,315.80	2	0.1266	96.21	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	LTLLAPLNSVFK	R	D	95.00%	56.2	38.7	3.72	2		658.4565	1,314.90	1,315.80	2	0.1071	81.42	410	421	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	NHIKDQLASK	R	Y	95.00%	47.4	38.7	3.19	2		633.9217	1,265.83	1,266.72	2	0.1195	94.32	437	447	TRUE	
LX-2 Repeat 2	TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	74,664.90	100.00%	22	24	140	39.10%	NHIKDQLASK	R	Y	95.00%	48.4	38.7	2.89	2		633.9141	1,265.81	1,266.72	2	0.1043	82.37	437	447	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot Ion score	Mascot Identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	45.4	39.2	1.15	2		550.3875	1,098.76	1,099.60	2	0.1682	152.9	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	46.6	39.2	1.82	2		550.3713	1,098.73	1,099.60	2	0.1357	123.4	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	48.8	39.2	3.12	2		550.3933	1,098.77	1,099.60	2	0.1798	163.5	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	50	39.2	2.89	2		550.3997	1,098.78	1,099.60	2	0.1926	175.1	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	51	39.2	2.28	2		550.3884	1,098.76	1,099.60	2	0.1699	154.5	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	55.5	39.2	2.22	2		550.3928	1,098.77	1,099.60	2	0.1789	162.6	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LDAPSQIEVK	R	D	95.00%	56.3	39.2	2.48	2		550.3683	1,098.72	1,099.60	2	0.1297	118	803	812	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	53.8	38.5	2.55	2		701.3996	1,400.78	1,401.76	2	0.03341	23.83	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	58.7	38.5	2	2		701.4257	1,400.84	1,401.76	2	0.08566	61.11	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	66.5	38.5	4.52	2		701.9082	1,401.80	1,401.76	2	1.051	34.19	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	69.2	38.5	3.77	2		701.3874	1,400.76	1,401.76	2	0.009113	6.501	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	70.1	38.5	2.6	2		701.4183	1,400.82	1,401.76	2	0.07083	50.52	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	71.2	38.5	2.12	2		701.4384	1,400.86	1,401.76	2	0.1111	79.23	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	72.1	38.5	3.77	2		701.9157	1,401.82	1,401.76	2	1.066	44.92	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	73.8	38.5	3.43	2		701.4209	1,400.83	1,401.76	2	0.076	54.22	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	88.5	38.5	3.08	2		701.493	1,400.97	1,401.76	2	0.2203	157.1	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LEELENLVSSLR	R	E	95.00%	88.8	38.5	3.57	2		701.4299	1,400.85	1,401.76	2	0.0941	67.12	126	137	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LIPGVEYLVSIIAmK	K	G	95.00%	35.7	37.9	2.48	2	m14: Oxidation (+15.99)	832.1143	1,662.21	1,661.95	2	1.266	158.5	1769	1783	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LIPGVEYLVSIIAmK	K	G	95.00%	41.9	37.9	0.921	2	m14: Oxidation (+15.99)	554.6402	1,660.90	1,661.95	3	-0.04886	-29.4	1769	1783	TRUE	
LX-2 Repeat 2	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	50	57	295	30.60%	LIPGVEYLVSIIAmK	K	G	95.00%	48.3	37.9	0	2	m14: Oxidation (+15.99)	555.0302	1,662.07	1,661.95	3	1.121	71.2	1769	1783	TRUE	

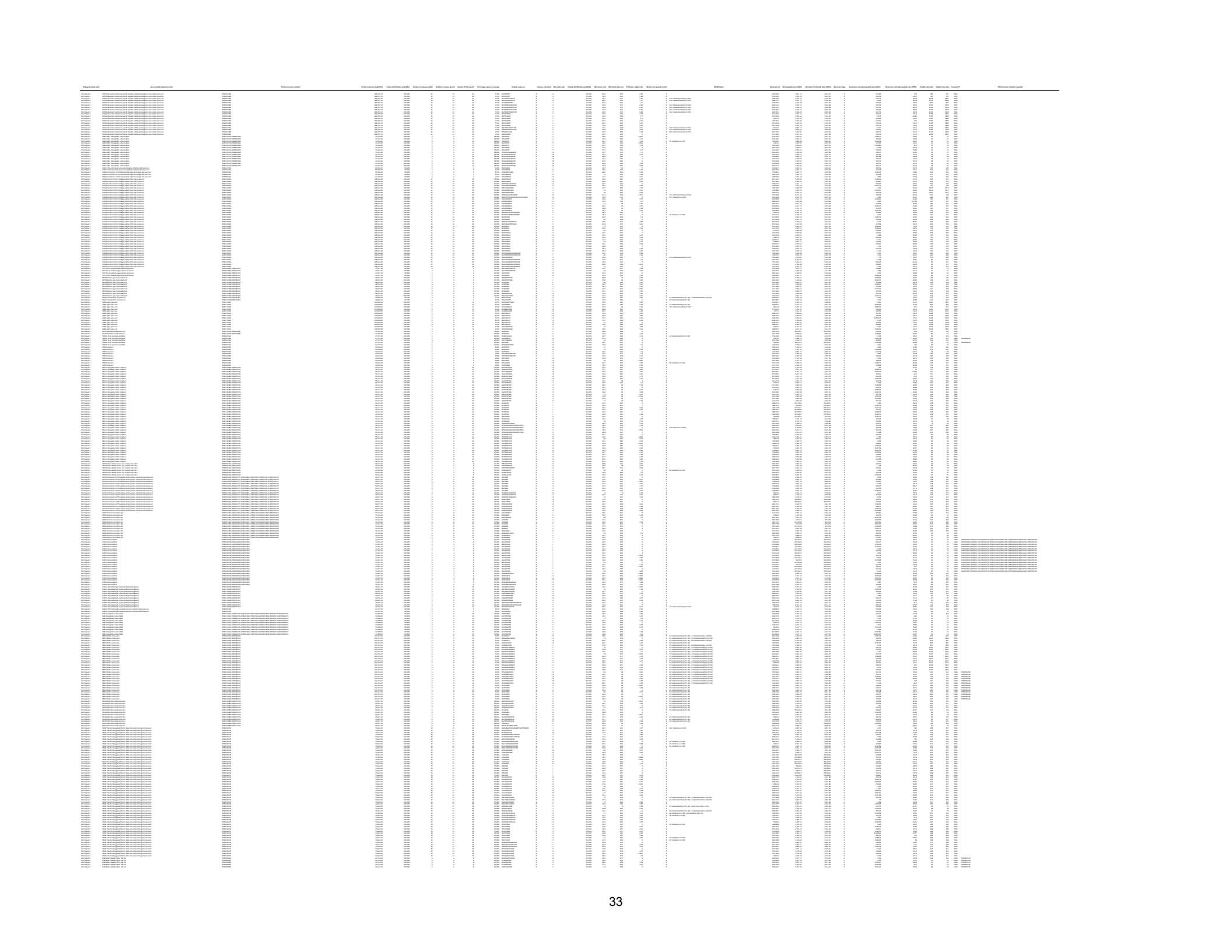


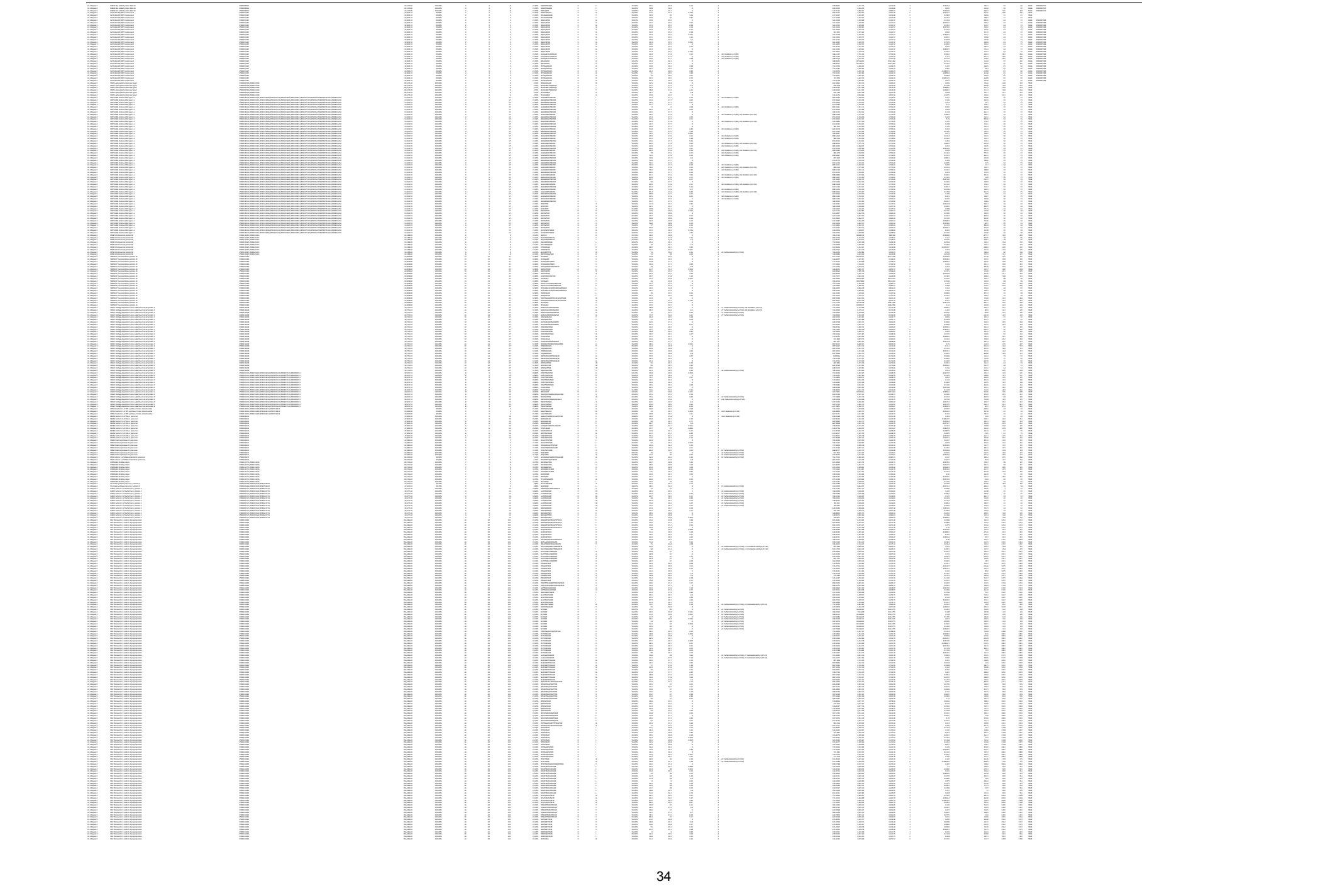
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	68.1	38.5	2.42	2		661.9024	1,321.79	1,321.67	2	1.123	90.79	95	106	TRUE	
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	70.8	38.6	2.68	2		661.3796	1,320.74	1,321.67	2	0.07725	58.45	95	106	TRUE	
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	72.8	38.6	2.12	2		661.3926	1,320.77	1,321.67	2	0.1032	78.1	95	106	TRUE	
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	76.1	38.6	2.6	2		661.3853	1,320.76	1,321.67	2	0.08853	66.98	95	106	TRUE	
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	76.6	38.6	3.55	2		661.3729	1,320.73	1,321.67	2	0.06381	48.28	95	106	TRUE	
LX-2 Repeat 2	RPS18 40S ribosomal protein S18	IPI00013296	17,701.30	100.00%	8	8	58	43.40%	YSQVLANGLDNK	K	L	95.00%	81.2	38.6	1.96	2		661.3728	1,320.73	1,321.67	2	0.06353	48.06	95	106	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AAPLQGMLPGLLAPLR	R	T	95.00%	30.6	38	2.17	2		810.065	1,618.12	1,617.95	2	1.172	104.2	610	625	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AAPLQGmLPGLLAPLR	R	T	95.00%	65.9	38	6.31	2	m7: Oxidation (+15.99)	817.585	1,633.16	1,633.95	2	0.2167	132.6	610	625	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AAPLQGMLPGLLAPLR	R	T	95.00%	71.9	38	5.59	2		809.6209	1,617.23	1,617.95	2	0.2832	175	610	625	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AcNLDVILGFDGSR	K	D	95.00%	52.7	38.1	1.85	2	c2: Carbamidomethyl (+57.02)	769.4178	1,536.82	1,536.75	2	1.081	50.62	1834	1847	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AcNLDVILGFDGSR	K	D	95.00%	70.8	38.1	4.7	2	c2: Carbamidomethyl (+57.02)	768.9398	1,535.87	1,536.75	2	0.1246	81.04	1834	1847	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	AcNLDVILGFDGSR	K	D	95.00%	79.3	38.1	6.7	2	c2: Carbamidomethyl (+57.02)	768.9236	1,535.83	1,536.75	2	0.09224	60.02	1834	1847	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALGSAIEYTIENVFESAPNPR	R	D	95.00%	39.7	36.2	1.28	2		760.4102	2,278.21	2,278.14	3	1.081	34.32	2714	2734	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	41.2	38.9	0	2		492.3414	982.6683	983.6249	2	0.05061	51.45	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	44.6	38.9	0.721	2		492.3667	982.7189	983.6249	2	0.1013	102.9	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	44.9	38.9	0.796	2		492.3822	982.7499	983.6249	2	0.1322	134.4	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	46.3	38.9	1.51	2		492.4072	982.7999	983.6249	2	0.1822	185.2	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	53.4	38.9	0	2		492.376	982.7375	983.6249	2	0.1199	121.8	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALILVGLER	R	V	95.00%	64.6	38.9	2.12	2		492.3933	982.772	983.6249	2	0.1543	156.9	1976	1984	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALNLGYALDYAQR	K	Y	95.00%	13.9	38.3	1.11	2		734.8527	1,467.69	1,467.76	2	0.9389	-43.44	913	925	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALNLGYALDYAQR	K	Y	95.00%	34.3	38.1	5.54	2		734.4349	1,466.86	1,467.76	2	0.1034	70.41	913	925	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALNLGYALDYAQR	K	Y	95.00%	46.2	38.1	3.27	2		734.4339	1,466.85	1,467.76	2	0.1015	69.13	913	925	TRUE	
LX-2 Repeat 2	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	59	69	256	24.30%	ALNLGYALDYAQR	K	Y	95.00%	52.5	38.1	6.37	2		734.4769	1,466.94	1,467.76	2	0.1875	127.7	913	925	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	TAEYDVAYGESHLFR	K	V	95.00%	40.9	37.5	1.26	2		586.6961	1,757.07	1,757.81	3	0.2607	148.3	991	1005	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	TAEYDVAYGESHLFR	K	V	95.00%	46.7	37.5	2.55	2		586.7064	1,757.10	1,757.81	3	0.2918	166	991	1005	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	TAEYDVAYGESHLFR	K	V	95.00%	57	37.5	2.54	2		586.6722	1,756.99	1,757.81	3	0.1891	107.5	991	1005	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	TAEYDVAYGESHLFR	K	V	95.00%	74.2	37.5	7.36	2		879.5328	1,757.05	1,757.81	2	0.2453	139.5	991	1005	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VAVVQHSGTGQQRPER	R	A	95.00%	32.6	37.7	0.854	2		592.3714	1,774.09	1,774.92	3	0.18	101.4	873	888	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VFSVAITPDHLEPR	K	L	95.00%	27.8	37.8	2.09	2		527.7098	1,580.11	1,580.84	3	0.2715	171.7	186	199	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VFSVAITPDHLEPR	K	L	95.00%	42.9	37.8	2.15	2		527.7062	1,580.10	1,580.84	3	0.2608	164.9	186	199	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VFSVAITPDHLEPR	K	L	95.00%	51	37.8	0	2		527.968	1,580.88	1,580.84	3	1.046	27.41	186	199	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VFSVAITPDHLEPR	K	L	95.00%	53.9	37.8	2.26	2		527.9362	1,580.79	1,580.84	3	0.9508	-32.86	186	199	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	94.50%	38.4	39.7	0	2		523.8844	1,045.75	1,046.60	2	0.1621	154.9	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	53.1	39.7	0	2		523.8755	1,045.74	1,046.60	2	0.1444	138	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	58.5	39.7	0.678	2		523.8844	1,045.75	1,046.60	2	0.1622	154.9	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	65.4	39.7	0.921	2		523.8805	1,045.75	1,046.60	2	0.1543	147.4	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	68.2	39.7	1.51	2		523.8963	1,045.78	1,046.60	2	0.1859	177.6	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	68.4	39.7	2.8	2		523.8781	1,045.74	1,046.60	2	0.1495	142.8	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	68.8	39.7	1.82	2		524.3734	1,046.73	1,046.60	2	1.14	131.1	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	71.1	39.7	2.28	2		523.8303	1,045.65	1,046.60	2	0.05393	51.52	1006	1014	TRUE	
LX-2 Repeat 2	COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	108,512.90	100.00%	11	12	36	12.50%	VPSYQALLR	R	G	95.00%	74.6	39.7	2.08	2		523.8868	1,045.76	1,046.60	2	0.1671	159.6	1006	1014	TRUE	
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%	EFEDVHELK	K	K	94.90%	38.3	39.3	0	2		573.3792	1,144.74	1,145.55	2	0.2036	177.7	287	295	TRUE	
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%	EFEDVHELK	K	K	95.00%	21.5	39.3	1.12	2		573.3969	1,144.78	1,145.55	2	0.2392	208.7	287	295	TRUE	
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%	EFEDVHELK	K	K	95.00%	49.8	39.3	0	2		573.339	1,144.66	1,145.55	2	0.1232	107.6	287	295	TRUE	
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%	IESEAFFGLNK	K	L	94.90%	37.9	38.9	0	2		628.322	1,254.63	1,254.64	2	1	-2.05	120	130	TRUE	
LX-2 Repeat 2	LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	51,783.50	100.00%	10	11	57	23.40%	IESEAFFGLNK	K	L	95.00%	35.7	38.9	1.37	2		628.4229	1,254.83	1,254.64	2	1.202	158.7	120	130	TRUE	

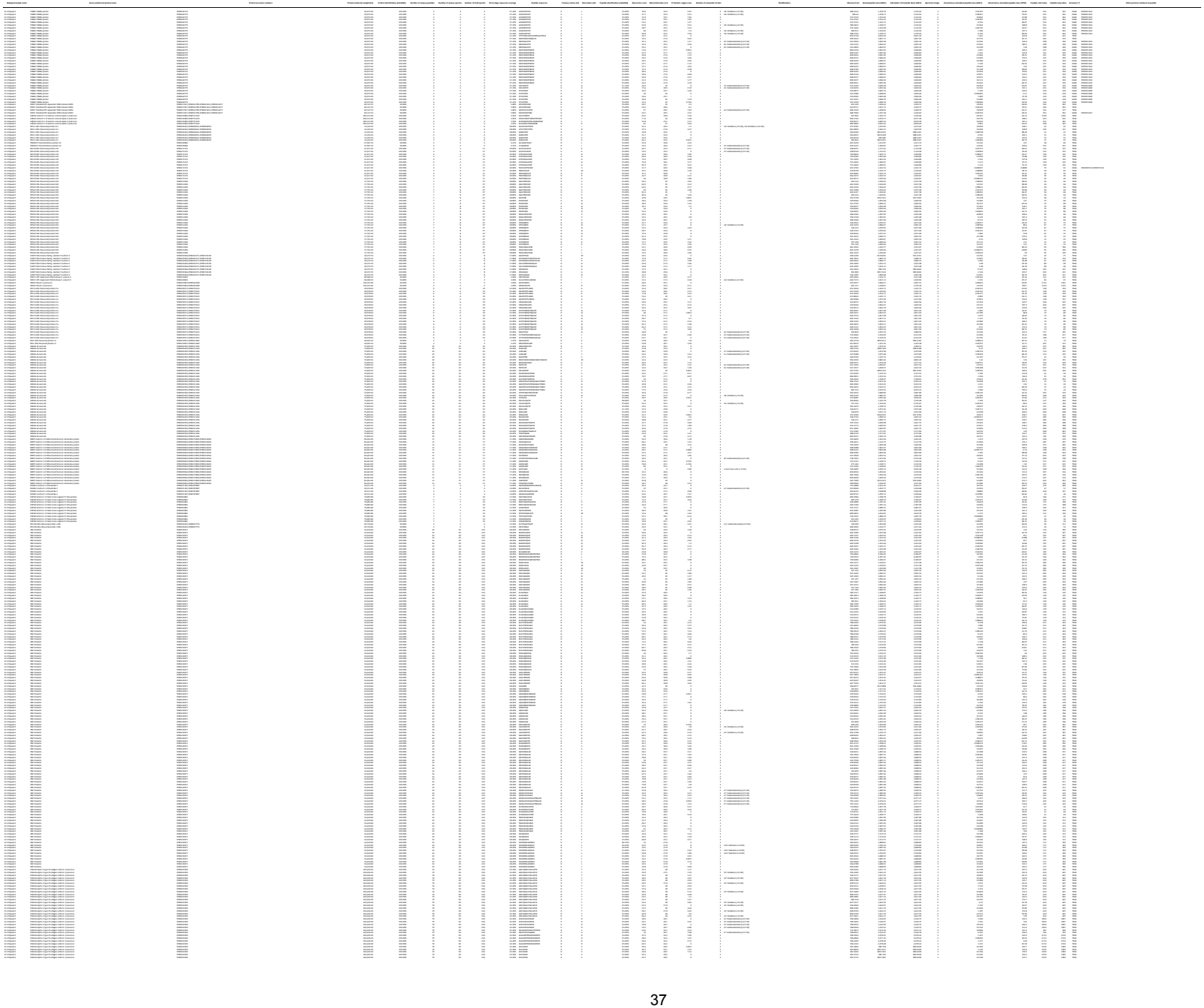
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	DEGLcSANVTR	K	Y	95.00%	48	39.1	2	2	c5: Carbamidomethyl (+57.02)	611.3276	1,220.64	1,221.55	2	0.09502	77.78	163	173	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	DEGLcSANVTR	K	Y	95.00%	50.1	39.1	3.85	2	c5: Carbamidomethyl (+57.02)	611.3284	1,220.64	1,221.55	2	0.09667	79.13	163	173	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	DEGLcSANVTR	K	Y	95.00%	63.4	39.1	3.35	2	c5: Carbamidomethyl (+57.02)	611.3333	1,220.65	1,221.55	2	0.1065	87.14	163	173	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	DEGLcSANVTR	K	Y	95.00%	63.3	39	3.17	2	c5: Carbamidomethyl (+57.02)	611.8331	1,221.65	1,221.55	2	1.106	84.54	163	173	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	FPDEATcMGFcAPK	R	K	95.00%	44.5	38.1	4.43	2	c7: Carbamidomethyl (+57.02), c11: Carbamidomethyl (+57.02)	816.4903	1,630.97	1,630.67	2	1.303	184.1	139	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	FPDEATcMGFcAPK	R	K	95.00%	46.5	38.1	0	2	c7: Carbamidomethyl (+57.02), c11: Carbamidomethyl (+57.02)	815.944	1,629.87	1,630.67	2	0.2107	129.2	139	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	FPDEATcMGFcAPK	R	K	95.00%	69.3	38.1	0.921	2	c7: Carbamidomethyl (+57.02), c11: Carbamidomethyl (+57.02)	816.4366	1,630.86	1,630.67	2	1.196	118.4	139	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	FPDEATcMGFcAPK	R	K	95.00%	86.3	38.1	2.55	2	c7: Carbamidomethyl (+57.02), c11: Carbamidomethyl (+57.02)	815.9503	1,629.89	1,630.67	2	0.2232	136.9	139	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	FPDEATcMGFcAPK	R	K	95.00%	86.8	38.1	3.49	2	c7: Carbamidomethyl (+57.02), c11: Carbamidomethyl (+57.02)	815.9475	1,629.88	1,630.67	2	0.2177	133.5	139	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IENRFPDEATcMGFcAPK	R	K	93.10%	35.4	36.6	0	2	c11: Carbamidomethyl (+57.02), c15: Carbamidomethyl (+57.02)	715.3667	2,143.08	2,142.94	3	1.145	66.24	135	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IENRFPDEATcmGFcAPK	R	K	93.60%	35.8	36.7	0	2	c11: Carbamidomethyl (+57.02), m12: Oxidation (+15.99), c15: Carbamidomethyl (+57.02)	720.7432	2,159.21	2,158.94	3	1.279	128.1	135	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IENRFPDEATcMGFcAPK	R	K	95.00%	33.7	36.6	1.23	2	c11: Carbamidomethyl (+57.02), c15: Carbamidomethyl (+57.02)	715.0652	2,142.17	2,142.94	3	0.2402	112.1	135	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IENRFPDEATcMGFcAPK	R	K	95.00%	47.4	36.6	0	2	c11: Carbamidomethyl (+57.02), c15: Carbamidomethyl (+57.02)	715.3479	2,143.02	2,142.94	3	1.088	39.92	135	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IENRFPDEATcMGFcAPK	R	K	95.00%	62.1	36.6	1.59	2	c11: Carbamidomethyl (+57.02), c15: Carbamidomethyl (+57.02)	715.3089	2,142.91	2,142.94	3	0.9715	-14.57	135	152	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IPSFcYSPK	K	D	95.00%	50.8	38.9	1.46	2	c5: Carbamidomethyl (+57.02)	549.8253	1,097.64	1,098.53	2	0.1144	104.1	154	162	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	IPSFcYSPK	K	D	95.00%	55.2	38.9	0	2	c5: Carbamidomethyl (+57.02)	549.8074	1,097.60	1,098.53	2	0.07861	71.56	154	162	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	KIPSFcYSPK	K	D	95.00%	38.7	39	1.12	2	c6: Carbamidomethyl (+57.02)	614.391	1,226.77	1,226.62	2	1.151	120.7	153	162	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	LQVSVDDQcSGSTEK	R	Y	95.00%	61.5	37.6	5.57	2	c9: Carbamidomethyl (+57.02)	848.0207	1,694.03	1,694.75	2	0.2802	165.3	98	112	TRUE	
LX-2 Repeat 2	TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	26,916.90	100.00%	8	8	24	36.60%	LQVSVDDQcSGSTEK	R	Y	95.00%	71.8	37.6	0.854	2	c9: Carbamidomethyl (+57.02)	847.9663	1,693.92	1,694.75	2	0.1714	101.1	98	112	TRUE	

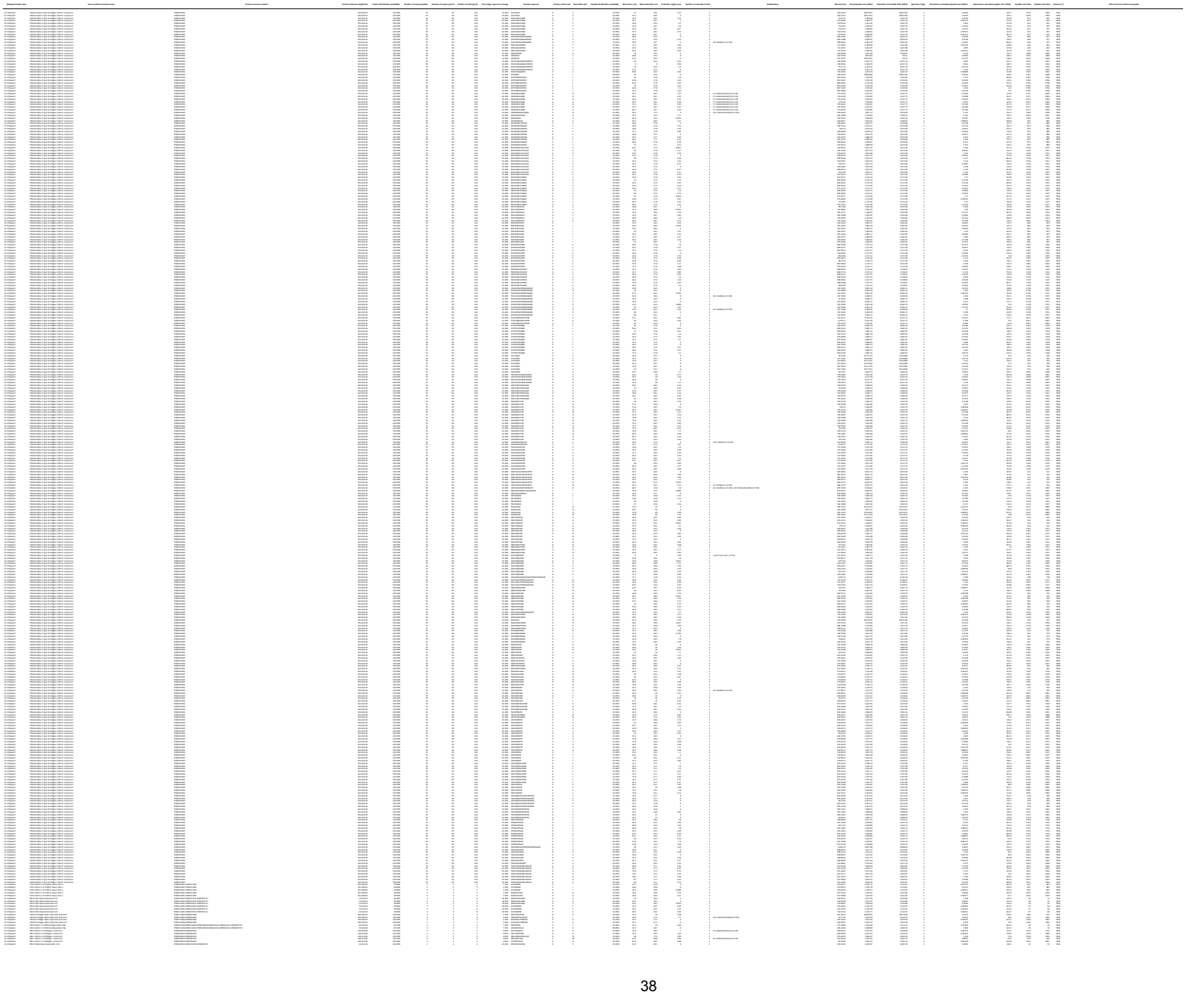
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	SAEFLLHMLK	K	N	95.00%	45.6	39.2	2.21	2		594.8692	1,187.72	1,188.64	2	0.08656	72.82	87	96	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	SAEFLLHMLK	K	N	95.00%	46.8	39.2	1.74	2		594.8682	1,187.72	1,188.64	2	0.08439	70.99	87	96	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	93.30%	22.3	39.2	0.796	2		582.8703	1,163.73	1,163.56	2	1.175	148.1	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	32.5	39.2	2.89	2		581.8106	1,161.61	1,163.56	2	-0.9441	50.46	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	37.2	39.2	3.12	2		582.3453	1,162.68	1,163.56	2	0.1252	107.6	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	43.5	39.2	1.82	2		582.8103	1,163.61	1,163.56	2	1.055	45.08	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	49.8	39.2	2.92	2		582.335	1,162.66	1,163.56	2	0.1047	89.98	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	57.7	39.2	3.92	2		582.3903	1,162.77	1,163.56	2	0.2152	184.9	4	13	TRUE	
LX-2 Repeat 2	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	4	4	14	22.80%	YSLDPENPTK	R	S	95.00%	68.8	39.2	4.55	2		582.3206	1,162.63	1,163.56	2	0.07594	65.26	4	13	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAmK	K	K	95.00%	40.9	38.8	1.64	2	m9: Oxidation (+15.99)	570.8523	1,139.69	1,140.56	2	0.1366	119.8	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAmK	K	K	95.00%	41.9	38.8	1.22	2	m9: Oxidation (+15.99)	570.8045	1,139.59	1,140.56	2	0.041	35.95	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	45	38.8	1.09	2		563.326	1,124.64	1,124.57	2	1.079	67.66	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	47.5	38.8	0	2		562.8339	1,123.65	1,124.57	2	0.0948	84.29	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	50.1	38.8	1	2		562.8386	1,123.66	1,124.57	2	0.1043	92.71	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	50.7	38.8	1.01	2		562.8555	1,123.70	1,124.57	2	0.1379	122.6	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	62.3	38.8	1.32	2		562.8581	1,123.70	1,124.57	2	0.1432	127.4	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAMK	K	K	95.00%	62.7	38.8	1.26	2		562.842	1,123.67	1,124.57	2	0.111	98.7	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	FPLTTESAmK	K	K	95.00%	66.1	38.8	1.34	2	m9: Oxidation (+15.99)	570.8437	1,139.67	1,140.56	2	0.1195	104.7	79	88	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	KLYDIDVAK	K	V	95.00%	30.9	39.5	0.886	2		532.309	1,062.60	1,064.60	2	-0.9881	13.78	115	123	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	KLYDIDVAK	K	V	95.00%	45.6	39.3	1.46	2		532.8803	1,063.75	1,064.60	2	0.1544	145	115	123	TRUE	
LX-2 Repeat 2	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	4	4	20	20.50%	KLYDIDVAK	K	V	95.00%	47	39.3	3.7	2		532.8409	1,063.67	1,064.60	2	0.0756	71.01	115	123	TRUE	

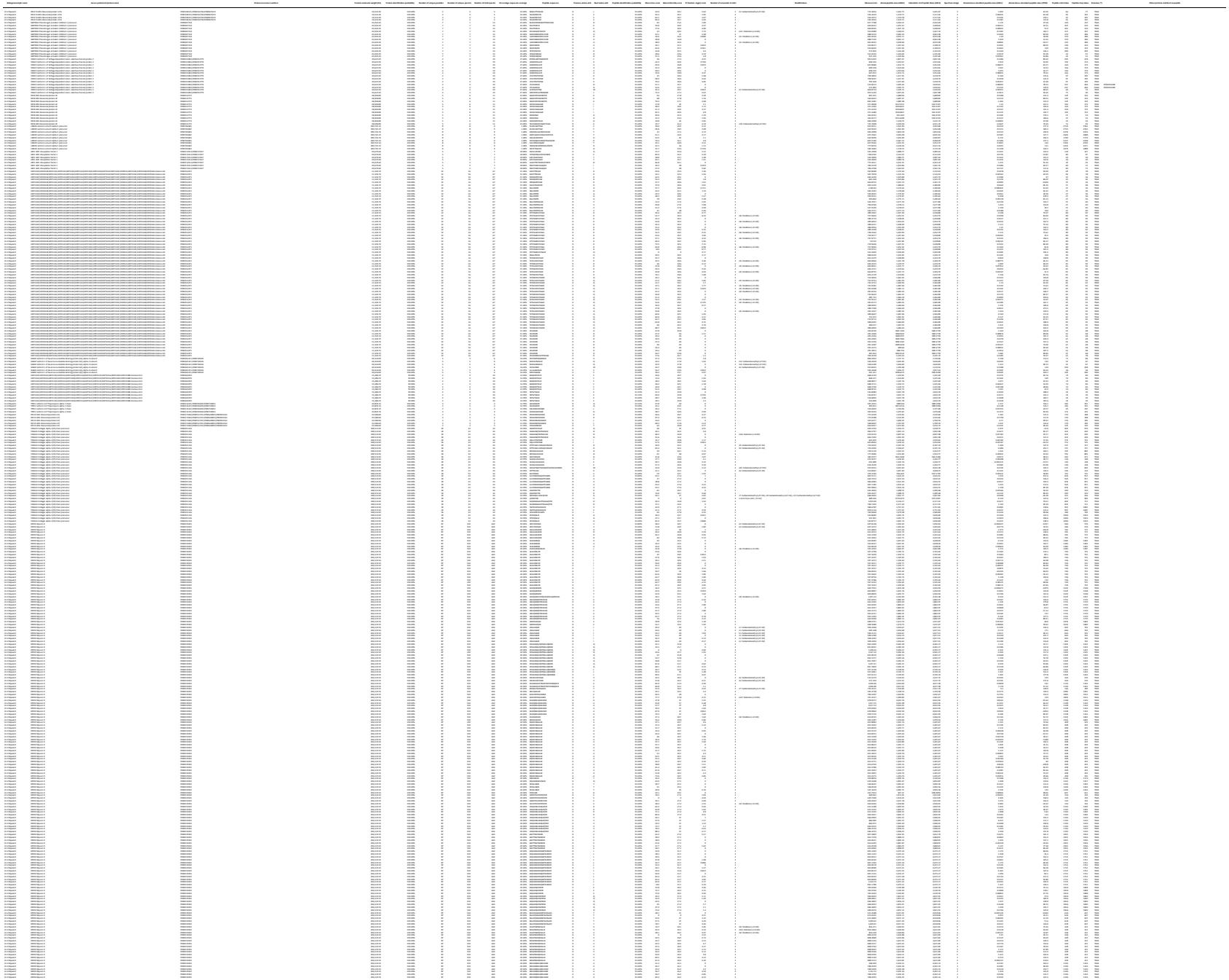


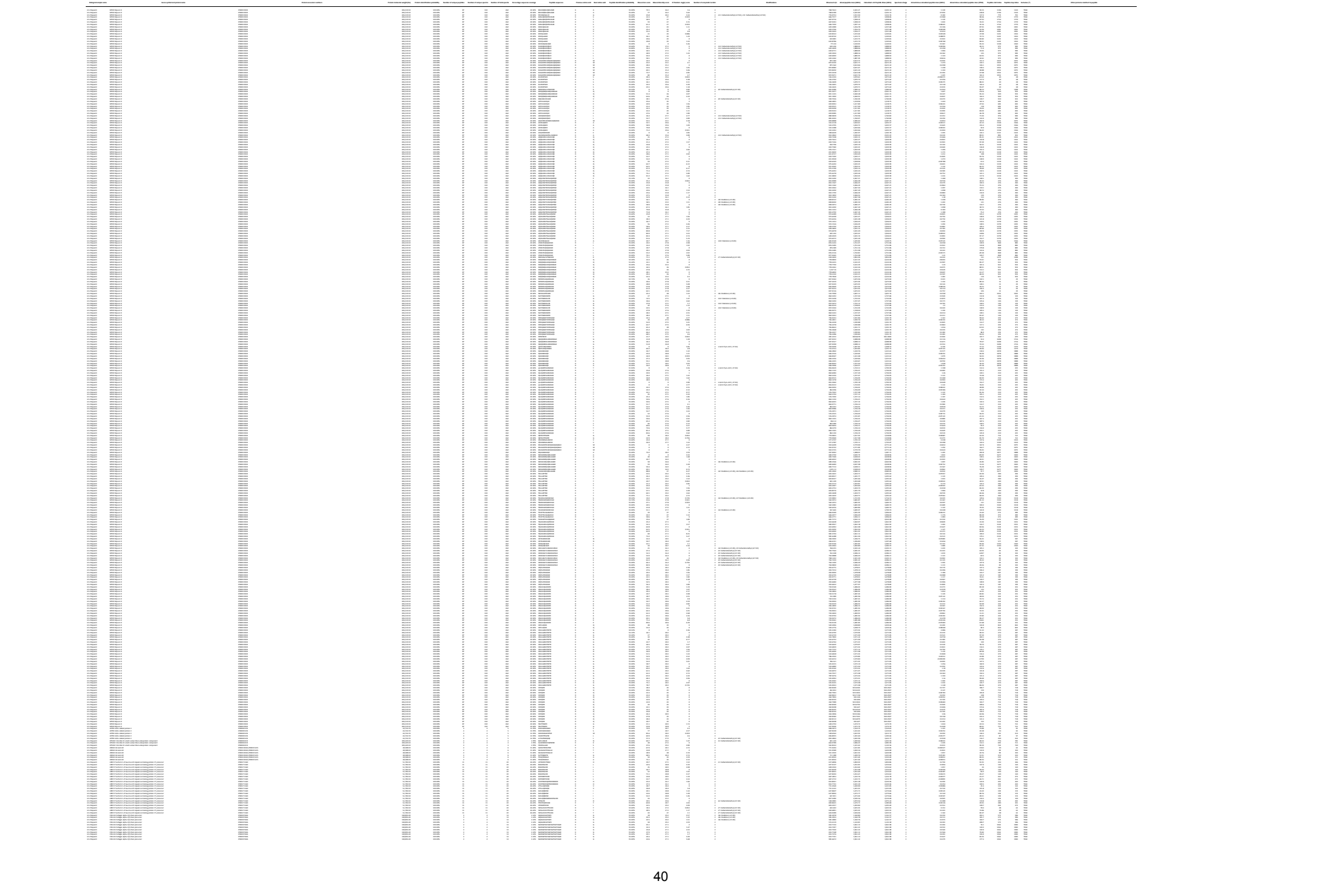


Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VFAILENK	R	K	95.00%	45.3	40	0.824	2		467.3353	932.656	933.5404	2	0.1228	131.6	692	699	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VFAILENK	R	K	95.00%	46.4	40	0	2		467.3712	932.7278	933.5404	2	0.1946	208.5	692	699	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VFAILENKK	R	S	95.00%	47.1	39.6	0	2		531.4098	1,060.81	1,061.64	2	0.1769	166.6	692	700	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VKASTEQAPELENLTVTEVGWDGLR	R	L	95.00%	24.8	35.1	0.959	2		914.9402	2,741.80	2,742.39	3	0.4113	149.9	1067	1091	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VPGDQTSTIIQELEPGVEYFIR	R	V	91.90%	32.8	35.6	0	2		831.5488	2,491.62	2,491.27	3	1.36	143.3	670	691	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VPGDQTSTIIQELEPGVEYFIR	R	V	95.00%	38.2	35.6	0	2		831.5392	2,491.60	2,491.27	3	1.331	131.7	670	691	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VPGDQTSTIIQELEPGVEYFIR	R	V	95.00%	45.6	35.6	0	2		831.2652	2,490.77	2,491.27	3	0.5092	-198.1	670	691	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VPGDQTSTIIQELEPGVEYFIR	R	V	95.00%	47.9	35.7	0	2		831.2213	2,490.64	2,491.27	3	0.3774	151.5	670	691	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VPGDQTSTIIQELEPGVEYFIR	R	V	95.00%	58.7	35.6	2.62	2		831.5342	2,491.58	2,491.27	3	1.316	125.7	670	691	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSIYGVIR	R	G	95.00%	56.8	39.9	0	2		453.8482	905.6818	906.5407	2	0.1484	163.6	1415	1422	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSQTDNSITLEWR	R	N	95.00%	45.7	38.2	2.16	2		774.9619	1,547.91	1,548.77	2	0.1512	97.6	902	914	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSQTDNSITLEWR	R	N	95.00%	79.8	38.2	3.89	2		774.9638	1,547.91	1,548.77	2	0.155	100.1	902	914	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSQTDNSITLEWR	R	N	95.00%	80.3	38.2	3.64	2		775.4346	1,548.85	1,548.77	2	1.096	60.5	902	914	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSQTDNSITLEWR	R	N	95.00%	98.9	38.2	4.01	2		774.9459	1,547.88	1,548.77	2	0.1192	76.98	902	914	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VSQTDNSITLEWR	R	N	95.00%	113	38.2	4.03	2		774.9521	1,547.89	1,548.77	2	0.1316	84.94	902	914	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VTEYLVVYTPTHEGGLEmQFR	R	V	95.00%	19.7	35.6	1.12	2	m18: Oxidation (+15.99)	829.1658	2,484.48	2,485.21	3	0.2759	111	649	669	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	VTEYLVVYTPTHEGGLEMQFR	R	V	95.00%	40	35.9	0	2		824.1302	2,469.37	2,469.21	3	1.164	65.26	649	669	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	WQPAIATVDSYVISYTGEK	R	V	95.00%	55.8	36.5	0	2		710.3702	2,128.09	2,128.06	3	1.036	15.7	1819	1837	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	WQPAIATVDSYVISYTGEK	R	V	95.00%	58.5	36.5	0	2		710.3402	2,128.00	2,128.06	3	0.9462	-26.57	1819	1837	TRUE	
LX-2 Repeat 3	TNC Isoform 1 of Tenascin precursor	IPI00031008	240,845.20	100.00%	46	49	154	29.00%	WQPAIATVDSYVISYTGEK	R	V	95.00%	73.7	36.5	2.07	2		710.4902	2,128.45	2,128.06	3	1.396	184.8	1819	1837	TRUE	





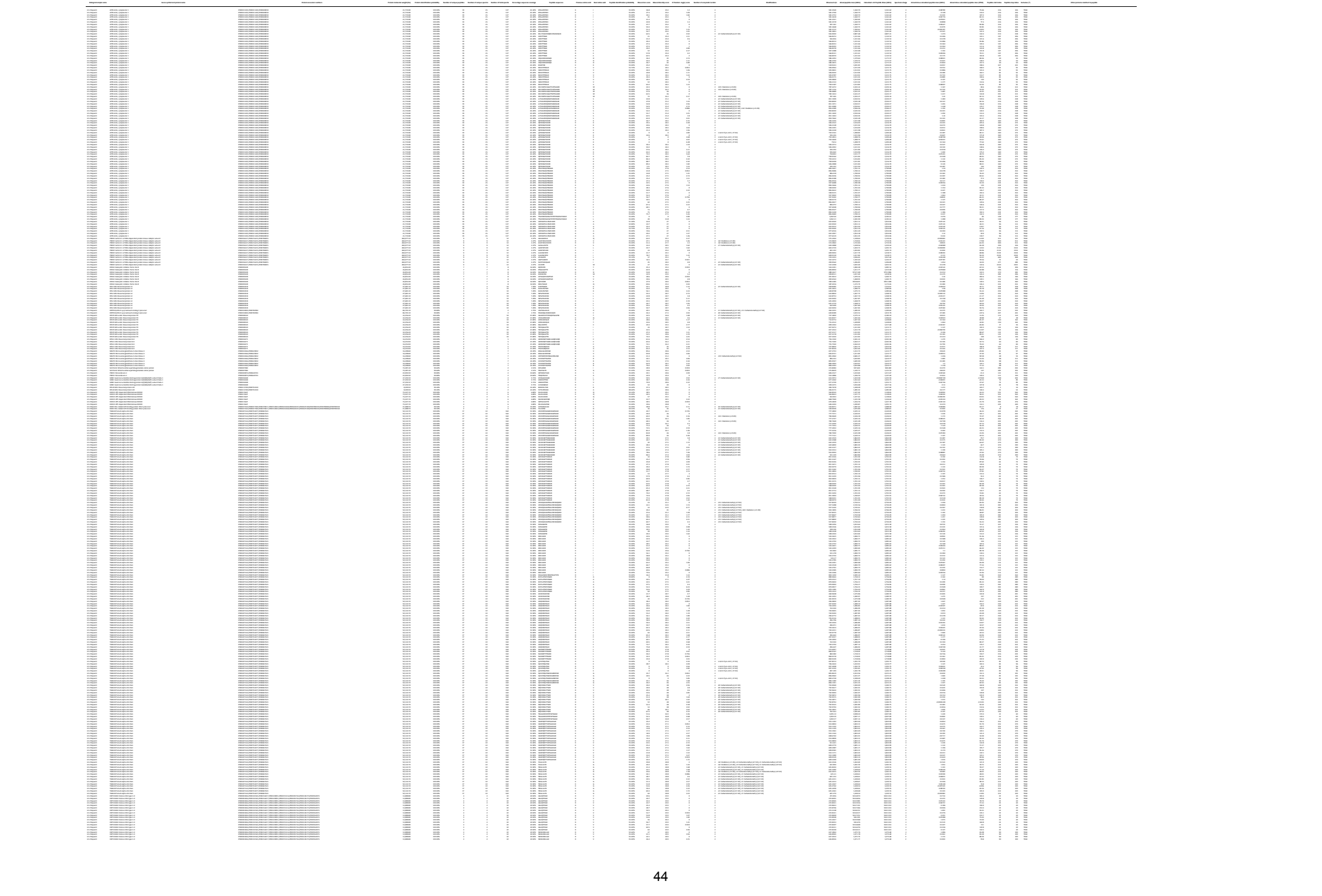




Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	3	4	13	3.14%	SGDRGETGPAGPAGPVGPVGAR	K	G	95.00%	49.8	37.1	3.96	2		654.6713	1,960.99	1,961.98	3	0.02018	10.29	1063	1084	TRUE	
LX-2 Repeat 3	COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	138,893.40	100.00%	3	4	13	3.14%	VLcDDVIcDETK	K	N	95.00%	63.9	38.1	2.47	2	c3: Carbamidomethyl (+57.02), c8: Carbamidomethyl (+57.02)	733.9177	1,465.82	1,466.65	2	0.1776	121.1	68	79	TRUE	
LX-2 Repeat 3	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,315.70	100.00%	3	3	3	11.00%	ASHTAPQVLFSHR	R	E	95.00%	27.3	38.4	0.745	2		484.3467	1,450.02	1,450.75	3	0.2705	186.4	191	203	TRUE	
LX-2 Repeat 3	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,315.70	100.00%	3	3	3	11.00%	DNTINLIHTFR	R	D	95.00%	33.3	38.7	2.09	2		672.8403	1,343.67	1,343.71	2	0.9665	-26.92	238	248	TRUE	
LX-2 Repeat 3	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,315.70	100.00%	3	3	3	11.00%	IEETLALK	R	F	95.00%	50.3	39.5	0	2		515.3879	1,028.76	1,029.62	2	0.1493	145	10	18	TRUE	
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	18,547.00	99.80%	2	2	5	16.20%	HGVVPLATYMR	K	I	95.00%	33.3	38.9	2.82	2		622.4008	1,242.79	1,243.66	2	0.1327	106.7	22	32	TRUE	
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	18,547.00	99.80%	2	2	5	16.20%	HGVVPLATYMR	K	I	95.00%	50.7	38.9	2.37	2		622.3503	1,242.69	1,243.66	2	0.03163	25.43	22	32	TRUE	
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	18,547.00	99.80%	2	2	5	16.20%	VYNVTQHAVGIVVNK	R	Q	95.00%	46.3	37.8	2.28	2		547.6952	1,640.06	1,640.91	3	0.1592	96.98	64	78	TRUE	
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	18,547.00	99.80%	2	2	5	16.20%	VYNVTQHAVGIVVNK	R	Q	95.00%	62.4	37.8	2.03	2		547.6909	1,640.05	1,640.91	3	0.1463	89.15	64	78	TRUE	
LX-2 Repeat 3	RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583,IPI00397713,IPI00398915,IPI00477343,IPI00478812,IPI00788010,IPI00845507	18,547.00	99.80%	2	2	5	16.20%	VYNVTQHAVGIVVNK	R	Q	95.00%	62.6	37.8	1.21	2		547.7135	1,640.12	1,640.91	3	0.2142	130.5	64	78	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	47.3	38.8	0.796	2		498.832	995.6494	996.5109	2	0.1457	146.2	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	47.6	38.8	1.72	2		498.8469	995.6792	996.5109	2	0.1755	176.1	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	52.4	38.8	0	2		498.8331	995.6517	996.5109	2	0.148	148.5	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	56.3	38.8	1	2		498.8228	995.631	996.5109	2	0.1273	127.8	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	57.4	38.8	1.7	2		498.8111	995.6076	996.5109	2	0.104	104.3	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	57.8	38.8	1	2		498.7986	995.5827	996.5109	2	0.07908	79.35	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	64.2	38.8	1.85	2		498.8469	995.6792	996.5109	2	0.1755	176.1	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	65.2	38.8	1.85	2		498.8309	995.6473	996.5109	2	0.1436	144.1	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	65.6	38.8	1.27	2		498.8139	995.6132	996.5109	2	0.1096	109.9	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	71.2	38.8	2	2		498.806	995.5975	996.5109	2	0.09385	94.17	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	72.2	38.8	1.64	2		498.8514	995.6883	996.5109	2	0.1846	185.2	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	AGYQSTLTR	R	T	95.00%	72.7	38.8	1.85	2		498.8417	995.6688	996.5109	2	0.1651	165.7	517	525	TRUE	
LX-2 Repeat 3	FBN1 312 kDa protein	IPI00784458	312,207.00	100.00%	39	39	153	16.80%	cAcTYGFTGPQcER	R	D	95.00%	60.2	37.6	2.72	2	c1: Carbamidomethyl (+57.02), c3: Carbamidomethyl (+57.02), c12: Carbamidomethyl (+57.02)	853.9428	1,705.87	1,706.67	2	0.2062	120.8	166	179	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

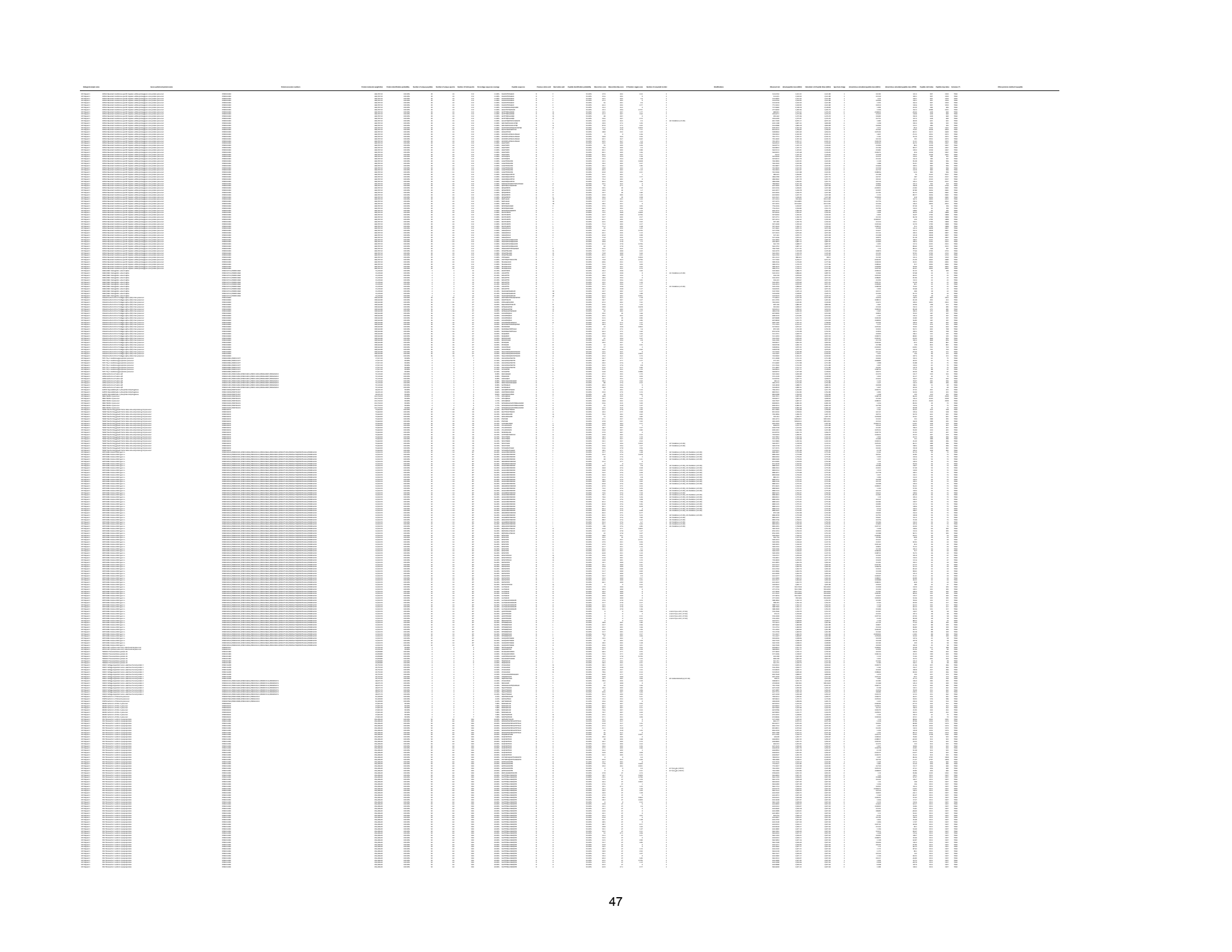
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	ALLVEPVINSYLLAER	R	D	95.00%	45.5	37.4	3.31	2		900.5553	1,799.10	1,800.03	2	0.07663	42.57	565	580	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	ALLVEPVINSYLLAER	R	D	95.00%	53.2	37.4	2.26	2		600.7127	1,799.12	1,800.03	3	0.09685	53.8	565	580	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	ALLVEPVINSYLLAER	R	D	95.00%	67.9	37.4	2.47	2		600.7202	1,799.14	1,800.03	3	0.1194	66.3	565	580	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	SVPLcILYEK	K	Y	95.00%	42.4	39.1	0	2	c5: Carbamidomethyl (+57.02)	611.3403	1,220.67	1,221.65	2	0.01837	15.04	541	550	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	TVEIPDPVEAGEEVK	K	V	95.00%	34.6	38.1	3.17	2		806.4448	1,610.88	1,611.81	2	0.07079	43.92	635	649	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	TVEIPDPVEAGEEVKVR	K	M	95.00%	45.6	37.3	2.55	2		622.9802	1,865.92	1,866.98	3	-0.05495	-29.43	635	651	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	TVSYNGILGPEcGTK	R	Y	95.00%	56.8	37.9	2.46	2	c12: Carbamidomethyl (+57.02)	798.4457	1,594.88	1,595.77	2	0.1104	69.21	513	527	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	YLLNLNLEPFSEK	K	S	95.00%	51.8	37.8	1.6	2		790.9503	1,579.89	1,579.84	2	1.057	34.03	528	540	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	YLLNLNLEPFSEK	K	S	95.00%	53.2	37.8	4.2	2		790.4703	1,578.93	1,579.84	2	0.09653	61.1	528	540	TRUE	
LX-2 Repeat 3	TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	77,311.10	100.00%	7	8	12	12.10%	YRDcLTESNLIK	K	V	91.20%	35	38.1	0	2	c4: Carbamidomethyl (+57.02)	504.6767	1,511.01	1,511.75	3	0.2631	174	551	562	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	LEGLTDEINFLR	R	Q	92.50%	36.4	38.4	0	2		710.9103	1,419.81	1,419.75	2	1.065	43.99	214	225	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	LEGLTDEINFLR	R	Q	95.00%	42.4	38.4	1.68	2		710.8765	1,419.74	1,419.75	2	0.9977	-3.52	214	225	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	LEGLTDEINFLR	R	Q	95.00%	43.8	38.5	3.62	2		710.3995	1,418.78	1,419.75	2	0.04368	30.76	214	225	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	LLEGEESR	K	L	95.00%	41.5	40	0	2		466.8017	931.5888	932.4684	2	0.1276	136.8	394	401	FALSE	IPI00418471
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	LQAEIEGLK	R	G	95.00%	42.2	39.4	0	2		500.3403	998.666	1,000.57	2	-0.8943	108.5	317	325	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	SLDMDSIIAEVK	R	A	90.30%	35.8	38.9	0	2		660.8853	1,319.76	1,320.67	2	0.09153	69.3	253	264	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	SLDMDSIIAEVK	R	A	95.00%	62.9	38.9	2.66	2		660.87	1,319.73	1,320.67	2	0.061	46.19	253	264	TRUE	
LX-2 Repeat 3	KRT8 Keratin, type II cytoskeletal 8	IPI00554648,IPI00793917	53,688.20	100.00%	4	4	7	10.60%	YEELQSLAGK	K	H	95.00%	60	39.1	4.28	2		569.321	1,136.63	1,137.58	2	0.05596	49.19	286	295	TRUE	
LX-2 Repeat 3	RPL30 60S ribosomal protein L30	IPI00219156	12,766.70	99.90%	2	2	3	24.30%	LVILANNcPALR	K	K	95.00%	64.6	38.6	0	2	c8: Carbamidomethyl (+57.02)	677.4047	1,352.79	1,353.77	2	0.03501	25.86	45	56	TRUE	
LX-2 Repeat 3	RPL30 60S ribosomal protein L30	IPI00219156	12,766.70	99.90%	2	2	3	24.30%	VcTLAIIDPGDSDIIR	R	S	95.00%	62.9	37.5	0.959	2	c2: Carbamidomethyl (+57.02)	879.4888	1,756.96	1,757.91	2	0.05982	34.03	91	106	TRUE	
LX-2 Repeat 3	RPL30 60S ribosomal protein L30	IPI00219156	12,766.70	99.90%	2	2	3	24.30%	VcTLAIIDPGDSDIIR	R	S	95.00%	78.6	37.5	2.15	2	c2: Carbamidomethyl (+57.02)	879.5538	1,757.09	1,757.91	2	0.1898	108	91	106	TRUE	
LX-2 Repeat 3	ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811,IPI00744414	19,649.40	100.00%	3	3	4	16.10%	AENFFILR	R	R	94.20%	38.2	39	0	2		505.3314	1,008.65	1,009.55	2	0.1089	107.9	98	105	TRUE	
LX-2 Repeat 3	ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811,IPI00744414	19,649.40	100.00%	3	3	4	16.10%	AENFFILR	R	R	95.00%	43	39	0.824	2		505.331	1,008.65	1,009.55	2	0.1083	107.2	98	105	TRUE	

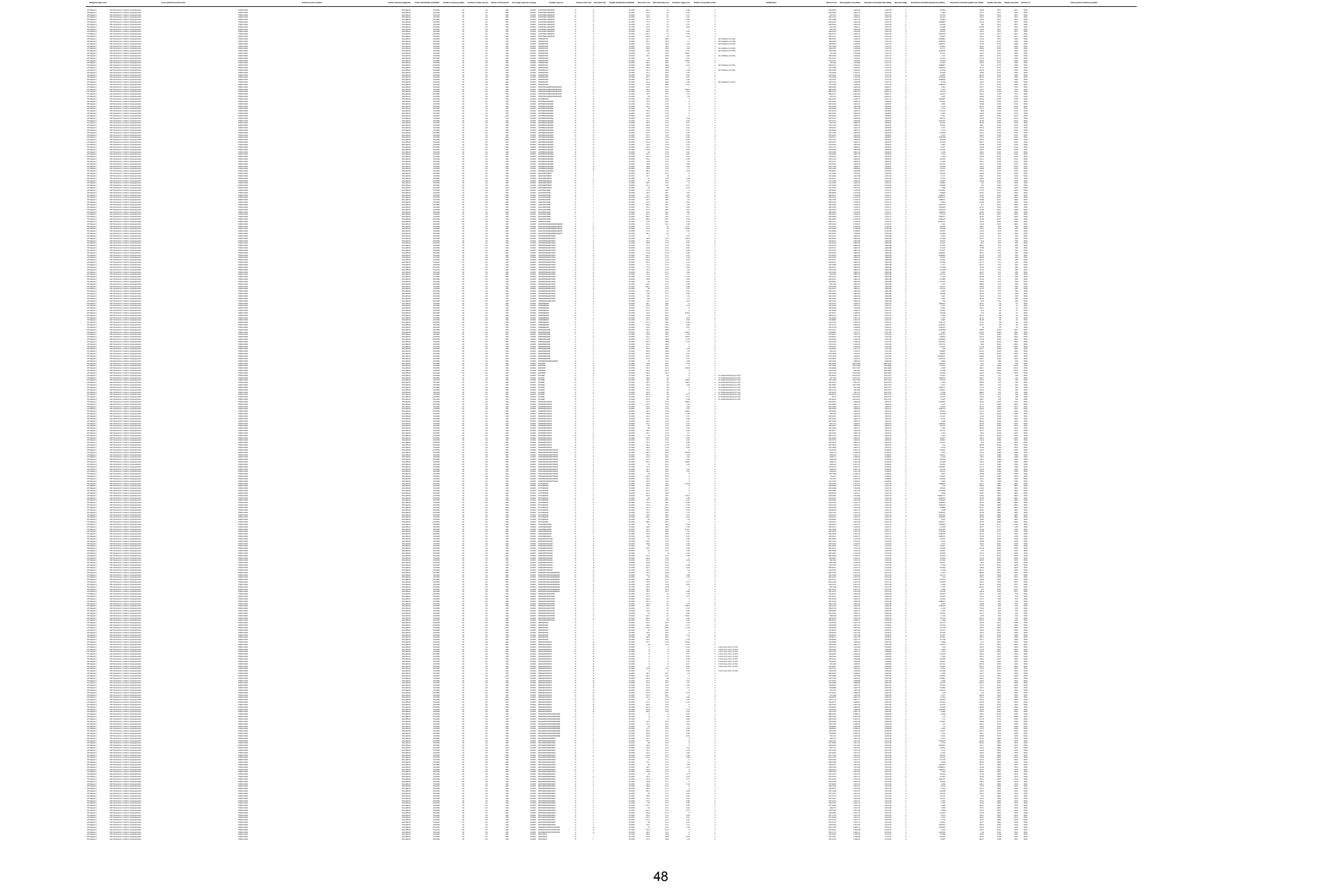
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot Ion score	Mascot Identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	100.00%	11	11	16	22.40%	VHYENNSPFLTITSMTR	K	V	95.00%	64.5	36.8	3.64	2		670.7702	2,009.29	2,009.97	3	0.3211	159.7	255	271	TRUE	
LX-2 Repeat 3	HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	99.80%	2	2	3	3.01%	AFITNIPFDVK	R	W	95.00%	43.1	38.9	1.62	2		632.8653	1,263.72	1,264.69	2	0.02953	23.35	73	83	TRUE	
LX-2 Repeat 3	HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	99.80%	2	2	3	3.01%	MGAGMGFGLER	R	M	95.00%	39.6	38.8	1.66	2		563.2803	1,124.55	1,125.52	2	0.03513	31.21	486	496	TRUE	
LX-2 Repeat 3	HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	99.80%	2	2	3	3.01%	MGAGMGFGLER	R	M	95.00%	62	38.8	3.06	2		563.2553	1,124.50	1,125.52	2	-0.01487	-13.21	486	496	TRUE	
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	DGFIDKEDLHDMLASLGK	R	N	95.00%	37.2	37.1	2.46	2		668.6828	2,003.03	2,003.97	3	0.05899	29.44	46	63	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	DGFIDKEDLHDMLASLGK	R	N	95.00%	44.3	37.1	0	2		668.7119	2,003.11	2,003.97	3	0.1463	72.98	46	63	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	EAFNMIDQNR	K	D	95.00%	44.4	38.7	0	2		619.3206	1,236.63	1,237.56	2	0.07084	57.23	36	45	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	EAFNMIDQNR	K	D	95.00%	48.8	38.7	0.959	2		619.3199	1,236.63	1,237.56	2	0.06939	56.07	36	45	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	EAFNMIDQNR	K	D	95.00%	53.3	38.7	2	2		619.3222	1,236.63	1,237.56	2	0.07416	59.92	36	45	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	EAFNmIDQNR	K	D	95.00%	53.4	38.8	1.54	2	m5: Oxidation (+15.99)	627.3331	1,252.65	1,253.56	2	0.1009	80.48	36	45	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	ELLTTMGDR	R	F	90.30%	36.5	39.5	0	2		518.3135	1,034.61	1,035.51	2	0.1055	101.9	125	133	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	ELLTTMGDR	R	F	95.00%	53.3	39.5	1.08	2		518.3125	1,034.61	1,035.51	2	0.1037	100.1	125	133	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	FTDEEVDEMYR	R	E	95.00%	62.6	38.4	0	2		717.2898	1,432.57	1,433.59	2	-0.01677	-11.7	134	144	TRUE	
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	GNFNYVEFTR	K	I	95.00%	49.9	39	2.34	2		623.8098	1,245.61	1,246.59	2	0.02736	21.95	152	161	TRUE	
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	LNGTDPEDVIR	K	N	95.00%	59.7	39.2	1.37	2		615.3513	1,228.69	1,228.62	2	1.078	61.4	94	104	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	LNGTDPEDVIR	K	N	95.00%	71.5	39.1	4.28	2		614.8491	1,227.68	1,228.62	2	0.0739	60.15	94	104	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	LNGTDPEDVIR	K	N	95.00%	75.5	39.1	4.27	2		614.8821	1,227.75	1,228.62	2	0.1398	113.8	94	104	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	19,810.10	99.80%	2	2	2	40.10%	LNGTDPEDVIR	K	N	95.00%	76.2	39.1	3.02	2		614.8701	1,227.73	1,228.62	2	0.1159	94.33	94	104	FALSE	IPI00604523,IPI00220573,IPI00033494
LX-2 Repeat 3	PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	43,458.50	100.00%	4	4	7	14.60%	IIGAVDQIQLTQAQLEER	K	Q	95.00%	48.6	36.9	2.96	2		675.6883	2,024.04	2,025.10	3	-0.04762	-23.51	61	78	TRUE	
LX-2 Repeat 3	PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	43,458.50	100.00%	4	4	7	14.60%	IIGAVDQIQLTQAQLEER	K	Q	95.00%	60.8	36.9	0	2		676.0456	2,025.11	2,025.10	3	1.024	10.65	61	78	TRUE	

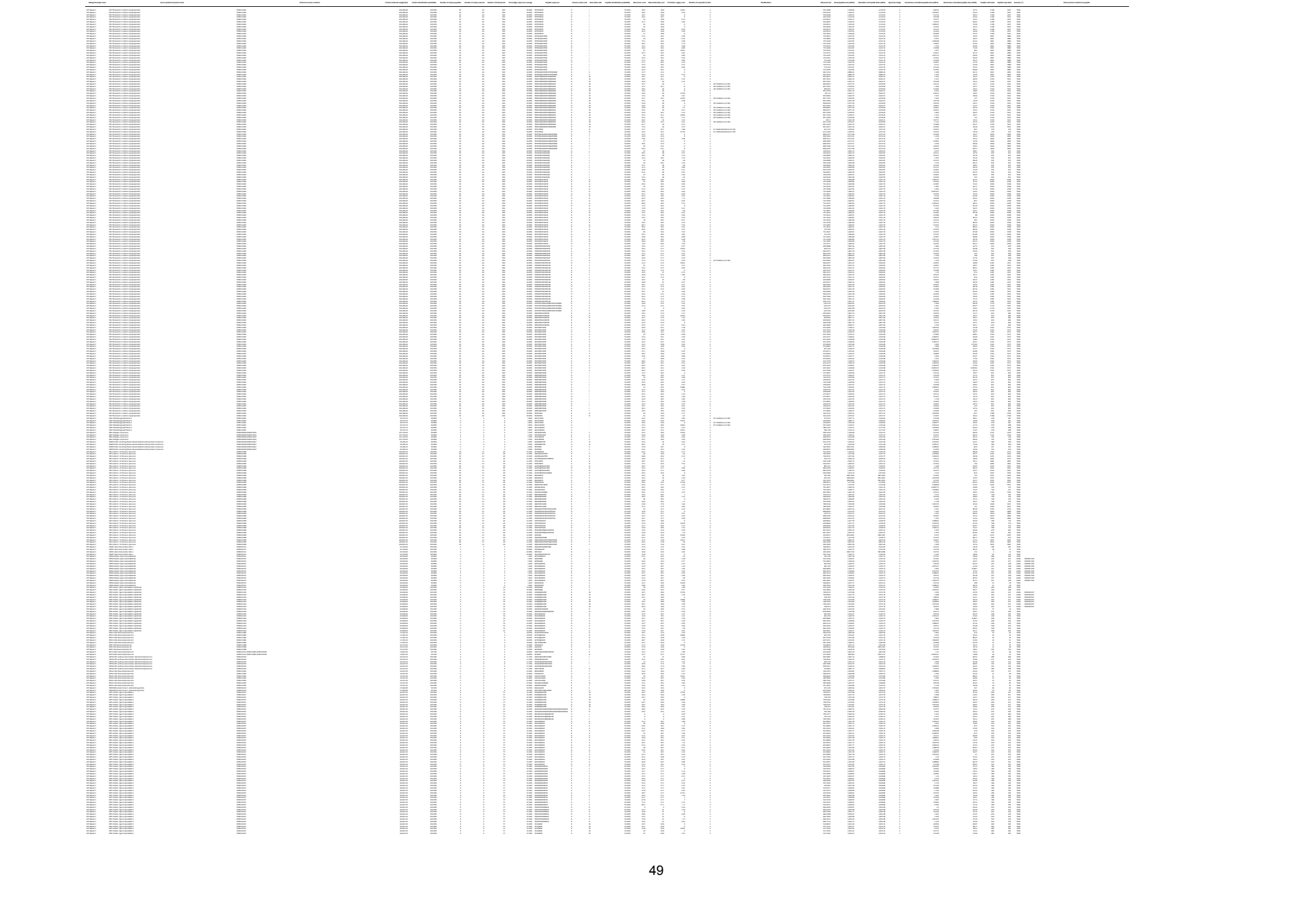


Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	NDEELNKLLGK	R	V	95.00%	52.8	38.9	3.48	2		636.8979	1,271.78	1,272.68	2	0.1089	85.58	90	100	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	NDEELNKLLGK	R	V	95.00%	53	38.9	1.18	2		636.9118	1,271.81	1,272.68	2	0.1367	107.4	90	100	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	NDEELNKLLGK	R	V	95.00%	53.2	38.9	2.96	2		636.8842	1,271.75	1,272.68	2	0.08153	64.06	90	100	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	94.00%	35.9	37.4	0	2		644.4302	1,930.27	1,931.17	3	0.1069	55.33	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	20.4	37.4	1.6	2		966.722	1,931.43	1,931.17	2	1.268	137.1	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	31.1	37.4	1.37	2		644.4143	1,930.22	1,931.17	3	0.05921	30.66	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	39	37.4	1.54	2		644.7568	1,931.25	1,931.17	3	1.087	43.39	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	41.4	37.4	1.13	2		644.7752	1,931.30	1,931.17	3	1.142	72	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	42.1	37.4	2.47	2		644.4729	1,930.40	1,931.17	3	0.235	121.7	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	44.4	37.4	0.959	2		644.7404	1,931.20	1,931.17	3	1.038	18.01	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	47	37.4	1.77	2		644.8065	1,931.40	1,931.17	3	1.236	120.7	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	58.9	37.4	0	2		644.4752	1,930.40	1,931.17	3	0.2419	125.2	101	119	TRUE	
LX-2 Repeat 3	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	3	4	32	30.50%	VTIAQGGVLPNIQAVLLPK	K	K	95.00%	60	37.4	5.77	2		644.4476	1,930.32	1,931.17	3	0.1591	82.4	101	119	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	GPGLFFILPcTDSFIK	K	V	95.00%	12	37.4	1.82	2	c10: Carbamidomethyl (+57.02)	907.0634	1,812.11	1,811.94	2	1.179	97.29	78	93	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	GPGLFFILPcTDSFIK	K	V	95.00%	14.1	37.3	1.33	2	c10: Carbamidomethyl (+57.02)	906.5743	1,811.13	1,811.94	2	0.2009	110.8	78	93	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	GPGLFFILPcTDSFIK	K	V	95.00%	31.4	37.3	4.21	2	c10: Carbamidomethyl (+57.02)	906.5324	1,811.05	1,811.94	2	0.1171	64.61	78	93	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	LLAQTTLR	R	N	95.00%	57.4	39.9	0	2		458.358	914.7015	915.5623	2	0.1464	159.9	145	152	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	NSTIVFPLPIDmLQGIIGAK	K	H	95.00%	46.3	36.6	0	2	m12: Oxidation (+15.99)	715.0777	2,142.21	2,143.18	3	0.03494	16.3	264	283	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	VIAAEGEMNASR	K	A	95.00%	86.6	38.9	3.17	2		624.8077	1,247.60	1,247.60	2	1.003	0.4456	221	232	TRUE	
LX-2 Repeat 3	STOM Erythrocyte band 7 integral membrane protein	IPI00219682	31,714.10	100.00%	5	5	7	23.60%	YLQTLTTIAAEK	R	N	95.00%	55.7	38.6	2.19	2		676.4403	1,350.87	1,351.75	2	0.1263	93.45	252	263	TRUE	
LX-2 Repeat 3	RPL17 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874	21,379.40	100.00%	6	7	11	36.40%	EQIVPKPEEEVAQK	K	K	90.30%	16.8	38	0.745	2		542.3041	1,623.89	1,623.86	3	1.039	22.15	154	167	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

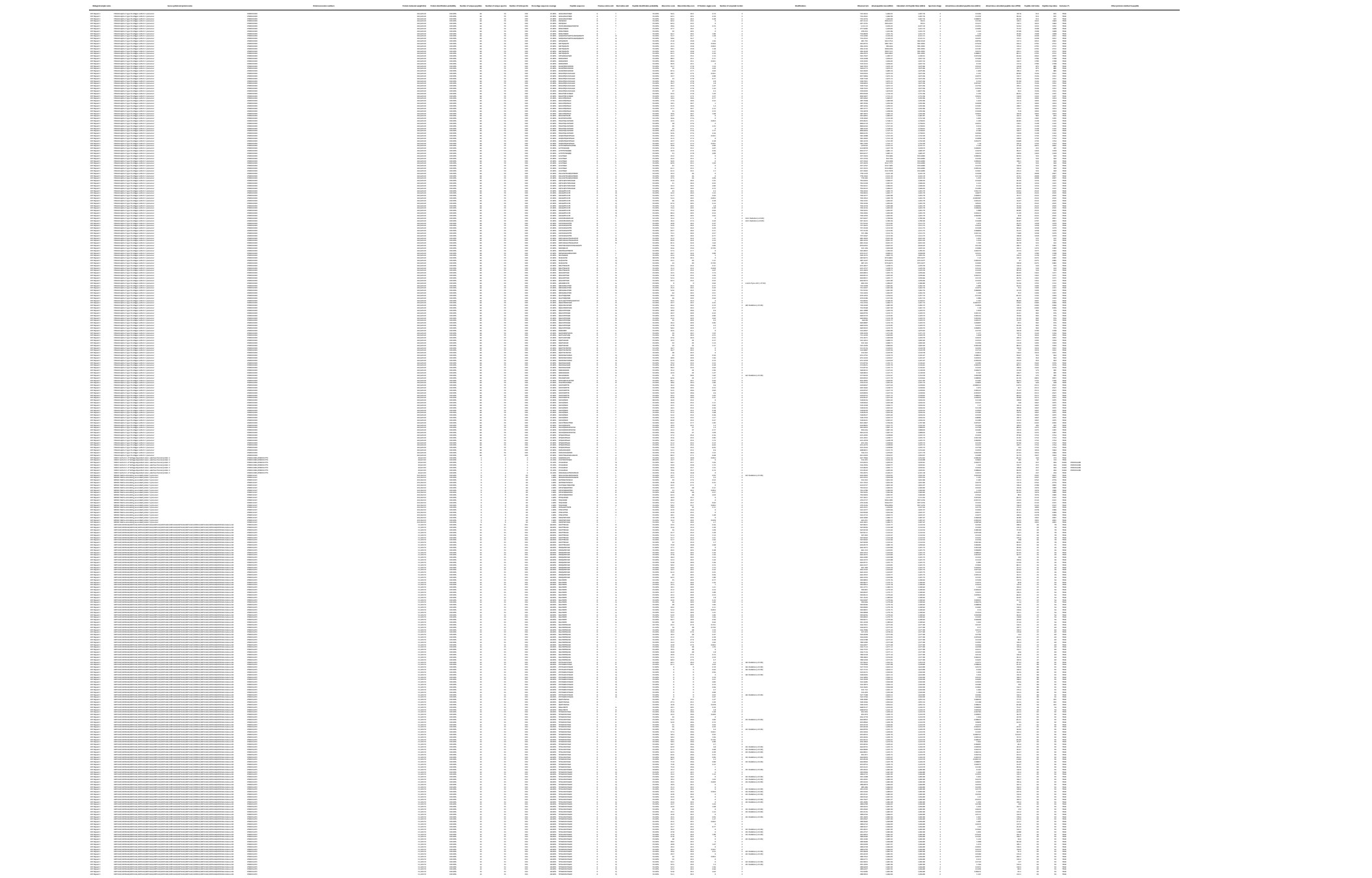
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
LX-2 Repeat 3	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266,IPI00176755,IPI00789159,IPI00793523,IPI00794894	17,678.20	100.00%	3	3	3	20.50%	LAPDYDALDVANK	R	I	95.00%	72.6	38.4	4.27	2		702.8477	1,403.68	1,404.70	2	-0.0127	-9.043	140	152	TRUE	
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%	LGGSAVISLEGKPL	K	-	95.00%	29.2	38.6	1.46	2		670.9704	1,339.93	1,340.78	2	0.155	115.6	153	166	TRUE	
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%	LGGSAVISLEGKPL	K	-	95.00%	58.2	38.6	2.6	2		670.9132	1,339.81	1,340.78	2	0.04046	30.18	153	166	TRUE	
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%	YALYDATYETK	R	E	95.00%	46.8	38.5	1.21	2		669.8328	1,337.65	1,337.63	2	1.032	22.04	82	92	TRUE	
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%	YALYDATYETK	R	E	95.00%	62.3	38.5	2.92	2		669.8403	1,337.67	1,337.63	2	1.047	33.24	82	92	TRUE	
LX-2 Repeat 3	CFL1 Cofilin-1	IPI00012011	18,485.10	99.80%	2	2	5	15.10%	YALYDATYETK	R	E	95.00%	63.1	38.6	7.19	2		669.3169	1,336.62	1,337.63	2	0.000561	0.4194	82	92	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	AEFVEVTK	K	L	95.00%	42.6	39.4	0	2		461.8333	921.6521	922.488	2	0.1713	185.6	249	256	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	AEFVEVTK	K	L	95.00%	56.5	39.4	1.21	2		461.7878	921.5611	922.488	2	0.08032	87.06	249	256	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	ccAADDKEAcFAVEGPK	K	L	95.00%	38.6	37	4.28	2	c1: Carbamidomethyl (+57.02), c2: Carbamidomethyl (+57.02), c10: Carbamidomethyl (+57.02)	643.3154	1,926.92	1,927.80	3	0.1331	69.03	581	597	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	ccTESLVNR	K	R	95.00%	51.1	39	2.3	2	c1: Carbamidomethyl (+57.02), c2: Carbamidomethyl (+57.02)	569.8074	1,137.60	1,138.50	2	0.1095	96.15	499	507	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	93.50%	36.9	38.2	0	2		785.0103	1,568.01	1,567.74	2	1.271	170.7	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	41.3	38.2	1.32	2		783.889	1,565.76	1,567.74	2	-0.972	19.63	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	41.4	38.2	0	2		784.8903	1,567.77	1,567.74	2	1.031	17.72	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	45.3	38.2	2.29	2		784.9503	1,567.89	1,567.74	2	1.151	94.21	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	54.8	38.1	1.49	2		784.4324	1,566.85	1,567.74	2	0.1149	73.27	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	59	38.1	2.38	2		784.4353	1,566.86	1,567.74	2	0.1205	76.87	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	DAFLGSFLYEYSR	K	R	95.00%	61.7	38.1	3.05	2		784.5603	1,567.11	1,567.74	2	0.3705	236.3	347	359	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	HLVDEPQNLIK	K	Q	95.00%	32.4	38.7	1.92	2		653.385	1,304.76	1,305.72	2	0.04634	35.49	402	412	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	HLVDEPQNLIK	K	Q	95.00%	47.5	38.7	5.36	2		653.3767	1,304.74	1,305.72	2	0.02973	22.77	402	412	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	HLVDEPQNLIK	K	Q	95.00%	51.3	38.7	5.77	2		653.4129	1,304.81	1,305.72	2	0.1022	78.26	402	412	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	HPYFYAPELLYYANK	R	Y	95.00%	28.8	37.2	1.32	2		945.5426	1,889.07	1,888.93	2	1.151	78.47	169	183	TRUE	
LX-2 Repeat 3	Serum albumin precursor	IPI00708398	69,276.20	100.00%	17	19	49	31.60%	HPYFYAPELLYYANK	R	Y	95.00%	35.7	37.2	2.66	2		945.0636	1,888.11	1,888.93	2	0.193	102.2	169	183	TRUE	







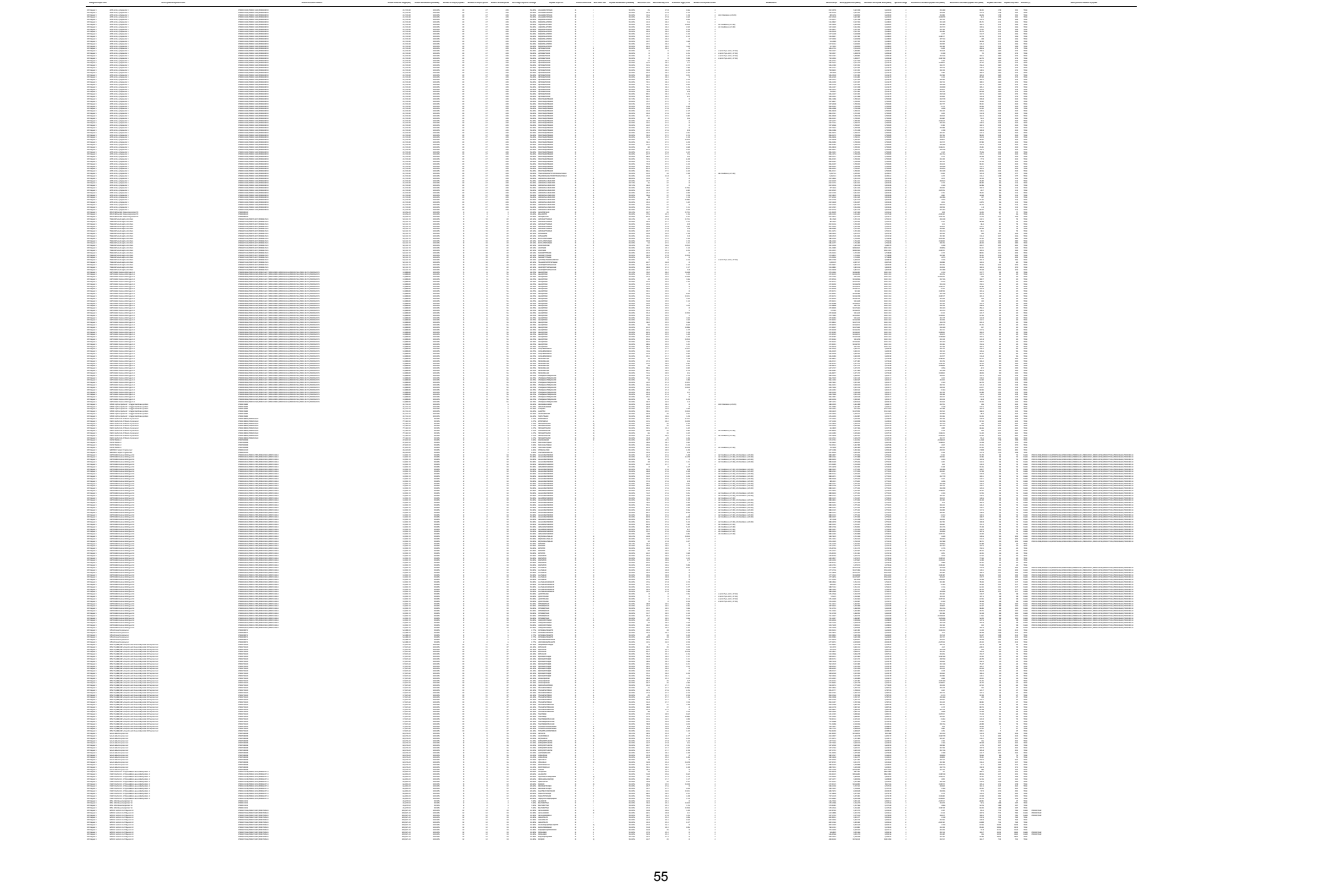
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	47	39.8	0	2		517.2778	1,032.54	1,033.52	2	0.03213	31.08	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	52	39.8	0	2		517.3097	1,032.60	1,033.52	2	0.096	92.88	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	53.6	39.6	0	2		517.8263	1,033.64	1,033.52	2	1.129	122.2	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	56.4	39.8	0	2		517.3455	1,032.68	1,033.52	2	0.1676	162.1	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	58.7	39.8	0	2		517.3093	1,032.60	1,033.52	2	0.09519	92.1	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	59	39.8	1.28	2		517.3396	1,032.66	1,033.52	2	0.1558	150.8	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	65.3	39.8	1.48	2		517.3203	1,032.63	1,033.52	2	0.1171	113.3	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	78.8	39.8	1.77	2		517.3328	1,032.65	1,033.52	2	0.1422	137.6	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TLLEGEESR	R	M	95.00%	79.6	39.8	1.37	2		517.3005	1,032.59	1,033.52	2	0.07752	75	484	492	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIK	R	K	95.00%	58.2	38.8	2.54	2		633.3401	1,264.67	1,265.64	2	0.03562	28.14	278	288	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	39	38.4	0	2		465.3324	1,392.98	1,393.73	3	0.2504	179.6	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	40.1	38.4	0	2		465.3222	1,392.94	1,393.73	3	0.2198	157.6	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	44.9	38.4	0	2		465.3348	1,392.98	1,393.73	3	0.2576	184.8	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	49.2	38.4	0	2		465.2802	1,392.82	1,393.73	3	0.09375	67.26	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	49.9	38.3	0.721	2		465.6671	1,393.98	1,393.73	3	1.255	180.5	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	50.4	38.3	0	2		465.6482	1,393.92	1,393.73	3	1.198	139.8	278	289	TRUE	
HFF Repeat 1	KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66,001.20	100.00%	9	9	77	19.40%	TNAENEFVTIKK	R	D	95.00%	51.5	38.4	0	2		465.3073	1,392.90	1,393.73	3	0.1751	125.6	278	289	TRUE	
HFF Repeat 1	CD44 Isoform 3 of CD44 antigen precursor	IPI00297160,IPI00305064,IPI00418465,IPI00419219,IPI00827650,IPI00827658,IPI00827795,IPI00827893,IPI00827937,IPI00827982,IPI00828056,IPI00828064,IPI00828117,IPI00828192	77,980.30	99.80%	2	2	4	2.95%	FAGVFHVEK	R	N	95.00%	48.7	39.8	2.96	2		517.303	1,032.59	1,033.55	2	0.05223	50.53	30	38	TRUE	
HFF Repeat 1	CD44 Isoform 3 of CD44 antigen precursor	IPI00297160,IPI00305064,IPI00418465,IPI00419219,IPI00827650,IPI00827658,IPI00827795,IPI00827893,IPI00827937,IPI00827982,IPI00828056,IPI00828064,IPI00828117,IPI00828192	77,980.30	99.80%	2	2	4	2.95%	YGFEGHVVPR	R	I	95.00%	43.6	38.5	0	2		463.0094	1,386.01	1,386.75	3	0.2607	187.9	79	90	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot Ion score	Mascot Identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	53.4	38.2	0.886	2	m5: Oxidation (+15.99)	494.9857	1,481.94	1,482.80	3	0.1441	97.17	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	53.7	38.1	0	2		489.6253	1,465.85	1,466.80	3	0.05766	39.31	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	54.8	38.1	0.745	2		489.6589	1,465.95	1,466.80	3	0.1584	108	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	54.8	38.1	0.796	2		489.6637	1,465.97	1,466.80	3	0.1729	117.9	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	54.9	38.1	1.6	2		489.6902	1,466.05	1,466.80	3	0.2524	172	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	55.8	38.2	0	2	m5: Oxidation (+15.99)	495.354	1,483.04	1,482.80	3	1.249	165.8	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	56.2	38.2	0.959	2	m5: Oxidation (+15.99)	495.0315	1,482.07	1,482.80	3	0.2815	189.8	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	56.5	38.2	1.09	2	m5: Oxidation (+15.99)	495.3697	1,483.09	1,482.80	3	1.296	197.5	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	58	38.2	1.29	2	m5: Oxidation (+15.99)	495.0132	1,482.02	1,482.80	3	0.2264	152.7	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	58.1	38.2	3.28	2	m5: Oxidation (+15.99)	741.9699	1,481.93	1,482.80	2	0.1339	90.3	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	58.2	38.1	2.24	2		733.9531	1,465.89	1,466.80	2	0.09534	64.99	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	59	38.2	0	2	m5: Oxidation (+15.99)	495.0579	1,482.15	1,482.80	3	0.3605	243.1	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	59	38.1	1.17	2		489.6209	1,465.84	1,466.80	3	0.04442	30.28	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	59.3	38.2	2.01	2	m5: Oxidation (+15.99)	741.9799	1,481.95	1,482.80	2	0.1539	103.8	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	62	38.1	7.28	2		733.9823	1,465.95	1,466.80	2	0.1538	104.8	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	62.2	38.1	1.55	2		489.9262	1,466.76	1,466.80	3	0.9604	-28.87	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	63.2	38.2	1.05	2	m5: Oxidation (+15.99)	741.9681	1,481.92	1,482.80	2	0.1304	87.91	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAmDVVYALKR	K	Q	95.00%	64.2	38.2	1.33	2	m5: Oxidation (+15.99)	495.3498	1,483.03	1,482.80	3	1.236	157.5	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	65.1	38.1	1.82	2		734.4747	1,466.93	1,466.80	2	1.138	92.44	81	93	TRUE	
HFF Repeat 1	HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11,349.70	100.00%	13	15	193	68.00%	TVTAMDVVYALKR	K	Q	95.00%	66.7	38.1	1.77	2		489.6933	1,466.06	1,466.80	3	0.2616	178.3	81	93	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

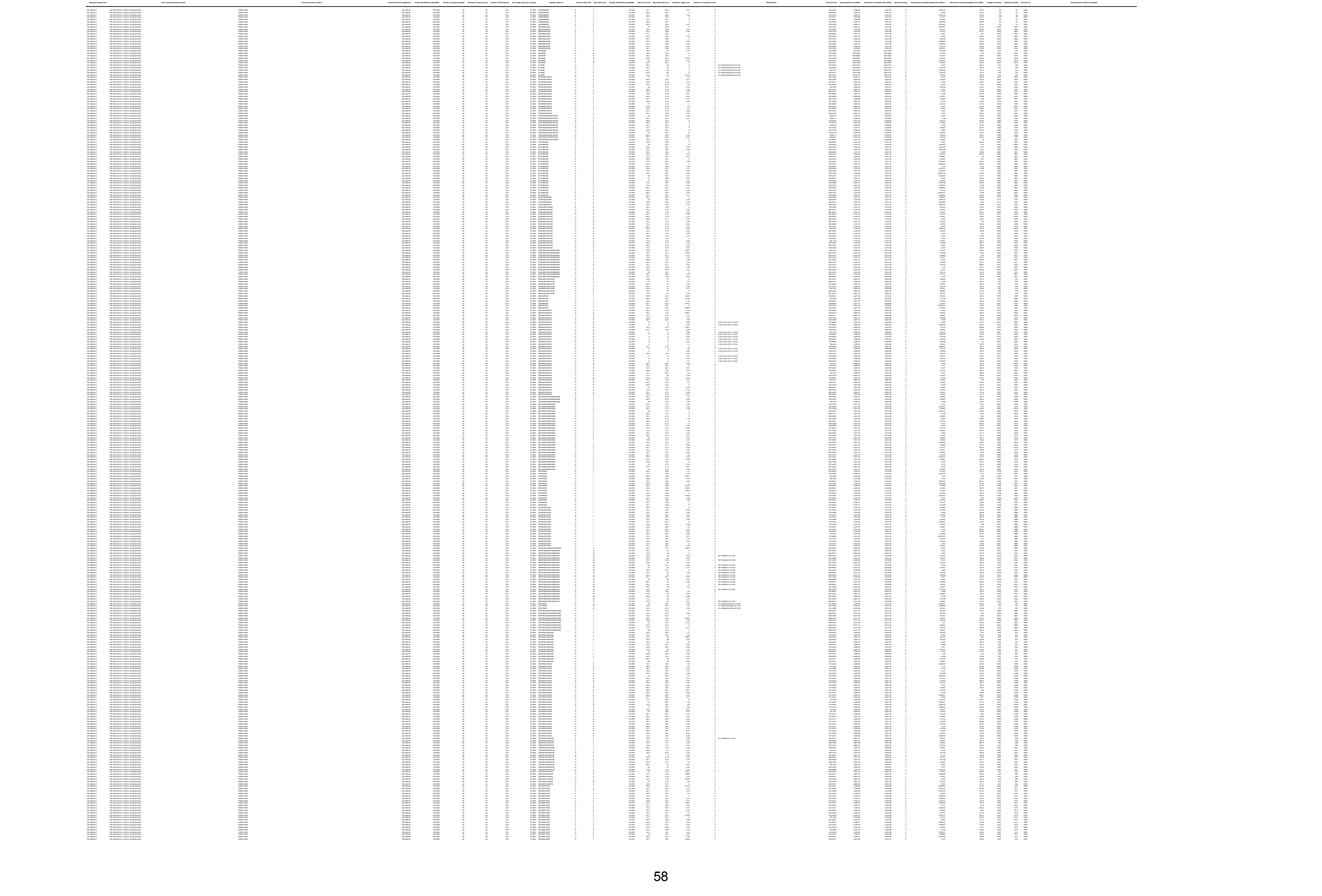
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTEMETLQSQLMAEK	R	L	95.00%	44.4	37.8	3.92	2		876.5454	1,751.08	1,751.86	2	0.2279	130.1	868	882	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTEMETLQSQLMAEK	R	L	95.00%	52.5	37.8	3.03	2		876.5571	1,751.10	1,751.86	2	0.2513	143.4	868	882	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTEMETLQSQLMAEK	R	L	95.00%	56.3	37.6	1.66	2		877.0403	1,752.07	1,751.86	2	1.218	122.6	868	882	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTEMETLQSQLMAEK	R	L	95.00%	59.5	37.8	2.33	2		876.6037	1,751.19	1,751.86	2	0.3444	196.6	868	882	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTKDFSALESQLQDTQELLQEENR	K	Q	95.00%	43.7	34.7	0.77	2		946.271	2,835.79	2,835.40	3	1.397	139.1	1299	1322	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTKDFSALESQLQDTQELLQEENR	K	Q	95.00%	44.3	34.6	0	2		945.8743	2,834.60	2,835.40	3	0.2074	73.13	1299	1322	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LTKDFSALESQLQDTQELLQEENR	K	Q	95.00%	44.5	34.6	2.3	2		945.9476	2,834.82	2,835.40	3	0.4272	150.6	1299	1322	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	LVWVPSDK	K	S	95.00%	31.2	39.5	0.959	2		472.399	942.7835	943.5248	2	0.2659	281.8	31	38	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	MQQNIQELEEQLEEEESAR	K	Q	92.60%	0	0	2.25	2		779.0702	2,334.19	2,333.06	3	2.14	57.47	941	959	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	MQQNIQELEEQLEEEESAR	K	Q	95.00%	49	35.9	0	2		778.8002	2,333.38	2,333.06	3	1.33	140	941	959	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	MQQNIQELEEQLEEEESARQK	K	L	95.00%	38.2	35.5	0	2		864.2149	2,589.62	2,589.21	3	1.42	161.1	941	961	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NAEQYKDQADKASTR	R	L	89.70%	0	0	2.07	2		575.6824	1,724.03	1,724.82	3	0.2127	123.3	1857	1871	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NKHEAmITDLEER	K	L	95.00%	80.3	38.1	0	2	m6: Oxidation (+15.99)	535.0108	1,602.01	1,601.76	3	1.259	159.8	1023	1035	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NLPIYSEEIVEMYK	K	G	95.00%	50.4	37.5	1.08	2		864.5898	1,727.17	1,727.86	2	0.3161	182.9	126	139	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NLPIYSEEIVEMYK	K	G	95.00%	56.5	37.5	2.05	2		864.5063	1,727.00	1,727.86	2	0.1492	86.36	126	139	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NLPIYSEEIVEmYK	K	G	95.00%	61.5	37.5	4.1	2	m12: Oxidation (+15.99)	872.5285	1,743.04	1,743.85	2	0.1986	113.9	126	139	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NTDQASMPDNTAAQK	R	V	95.00%	22.7	38	1.96	2		796.939	1,591.86	1,591.70	2	1.169	104.3	359	373	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NTDQASMPDNTAAQK	R	V	95.00%	25	37.9	1.26	2		796.4451	1,590.88	1,591.70	2	0.181	113.7	359	373	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NTDQASMPDNTAAQK	R	V	95.00%	31.9	37.9	2.22	2		796.4473	1,590.88	1,591.70	2	0.1855	116.6	359	373	TRUE	
HFF Repeat 1	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	77	89	413	42.10%	NTDQASMPDNTAAQK	R	V	95.00%	35.5	37.9	3.72	2		796.4483	1,590.88	1,591.70	2	0.1875	117.8	359	373	TRUE	

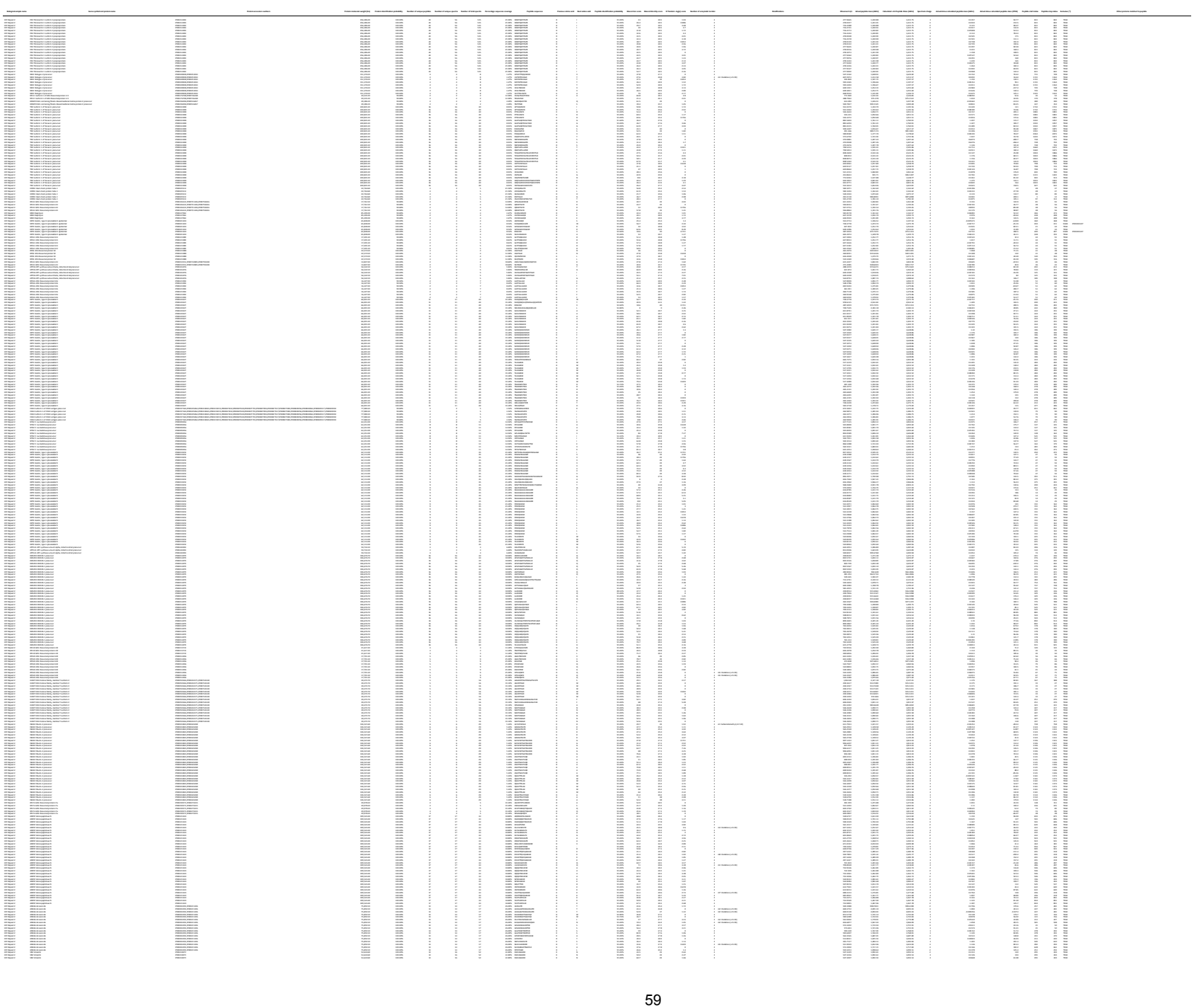
Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	47.6	36.3	0	2		738.1022	2,211.28	2,211.10	3	1.188	83.63	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	48.2	36.4	4.33	2		737.7438	2,210.21	2,211.10	3	0.1127	50.95	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	48.5	36.3	2.13	2		738.0698	2,211.19	2,211.10	3	1.091	39.7	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	49.7	36.3	1.26	2		738.0852	2,211.23	2,211.10	3	1.137	60.58	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	52.4	36.3	2.15	2		738.0812	2,211.22	2,211.10	3	1.125	55.16	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	55.4	36.3	0	2		738.0933	2,211.26	2,211.10	3	1.161	71.64	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	56.2	36.3	2.46	2		738.0702	2,211.19	2,211.10	3	1.092	40.24	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	59.2	36.4	2.64	2		737.7302	2,210.17	2,211.10	3	0.07175	32.45	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	60.2	36.3	1.11	2		738.0929	2,211.26	2,211.10	3	1.16	71.06	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	60.5	36.4	2.19	2		737.8177	2,210.43	2,211.10	3	0.3343	151.1	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	61.4	36.3	3.11	2		738.0902	2,211.25	2,211.10	3	1.152	67.36	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	65.4	36.3	1.41	2		738.058	2,211.15	2,211.10	3	1.055	23.67	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	67.5	36.3	3.35	2		738.0773	2,211.21	2,211.10	3	1.113	49.93	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	68.2	36.4	3.8	2		737.7797	2,210.32	2,211.10	3	0.2203	99.6	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LGEHNIDVLEGNEQFINAAK	R	I	95.00%	69.5	36.4	0.699	2		737.7697	2,210.29	2,211.10	3	0.1902	86	58	77	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	30.4	39.6	0.824	2		523.3261	1,044.64	1,045.56	2	0.08131	77.76	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	35.3	39.6	1.18	2		523.3248	1,044.64	1,045.56	2	0.07863	75.19	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	41.8	39.6	0	2		523.2423	1,044.47	1,045.56	2	-0.08637	-82.62	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	42.4	39.6	0.824	2		523.3374	1,044.66	1,045.56	2	0.1039	99.37	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	42.4	39.6	1.32	2		523.347	1,044.68	1,045.56	2	0.1231	117.7	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	45.4	39.6	1	2		523.3535	1,044.69	1,045.56	2	0.1361	130.1	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	47	39.6	2.38	2		523.3398	1,044.67	1,045.56	2	0.1088	104	98	107	TRUE	
HFF Repeat 1	Trypsin - Sus scrofa (Pig).	MAN00000761	24,391.30	99.80%	2	2	55	13.00%	LSSPATLNSR	K	V	95.00%	49.2	39.5	1.85	2		522.6575	1,043.30	1,045.56	2	-1.256	-242.4	98	107	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	IVFQEFR	R	Q	95.00%	44.4	39	0	2		469.849	937.6835	938.5094	2	0.1813	193.2	719	725	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	KFDQLLAEEK	K	S	95.00%	23.7	39	1.89	2		610.8829	1,219.75	1,220.65	2	0.1062	86.98	1452	1461	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	KFDQLLAEEK	K	S	95.00%	46.9	39	1.92	2		610.8872	1,219.76	1,220.65	2	0.1149	94.09	1452	1461	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	KQELEEILHDLESR	K	V	95.00%	42.6	37.5	0	2		580.3502	1,738.03	1,738.90	3	0.1388	79.79	917	930	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LDPHLVLDQLR	K	C	94.00%	39	39	0	2		660.4144	1,318.81	1,318.75	2	1.073	53.56	690	700	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LDPHLVLDQLR	K	C	94.90%	39.7	39	0	2		659.9336	1,317.85	1,318.75	2	0.1119	84.84	690	700	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LDPHLVLDQLR	K	C	95.00%	32.3	39	0.721	2		659.8696	1,317.72	1,318.75	2	-0.0162	-12.29	690	700	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LDPHLVLDQLR	K	C	95.00%	45.8	39	0.638	2		659.8892	1,317.76	1,318.75	2	0.02301	17.44	690	700	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LDPHLVLDQLR	K	C	95.00%	51.5	39	2.85	2		659.8866	1,317.76	1,318.75	2	0.01796	13.62	690	700	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LQNELDNVSTLLEEAEKK	K	G	95.00%	41.8	36.7	0	2		692.1111	2,073.31	2,073.07	3	1.247	118	1285	1302	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LQQLFNHTmFILEQEEYQR	K	E	90.90%	33	35.9	0	2	m9: Oxidation (+15.99)	828.845	2,483.51	2,483.20	3	1.318	126.8	483	501	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LQQLFNHTmFILEQEEYQR	K	E	95.00%	41	35.9	0	2	m9: Oxidation (+15.99)	828.8252	2,483.45	2,483.20	3	1.258	102.9	483	501	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	LQQLFNHTMFILEQEEYQR	K	E	95.00%	67.6	36.1	1.59	2		823.4942	2,467.46	2,467.21	3	1.26	104.4	483	501	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	NTNPNFVR	R	C	95.00%	27.6	39.9	2	2		481.3017	960.5889	961.4849	2	0.1112	115.6	670	677	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	NTNPNFVR	R	C	95.00%	39.1	39.9	1.14	2		481.3029	960.5912	961.4849	2	0.1136	118.1	670	677	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	NTNPNFVR	R	C	95.00%	39.6	39.8	1.02	2		481.8075	961.6005	961.4849	2	1.123	124.8	670	677	FALSE	IPI00019502
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	QLLQANPILESFGNAK	R	T	95.00%	31.5	37.5	1.08	2		872.5771	1,743.14	1,742.94	2	1.203	114.9	217	232	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	QLLQANPILESFGNAK	R	T	95.00%	34.2	37.4	0.658	2		872.092	1,742.17	1,742.94	2	0.233	133.6	217	232	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	QVLALQSQLADTK	K	K	95.00%	28.3	38.4	1.96	2		707.9149	1,413.82	1,414.79	2	0.03226	22.8	1365	1377	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	QVLALQSQLADTK	K	K	95.00%	68.5	38.4	4.39	2		707.8939	1,413.77	1,414.79	2	-0.009701	-6.857	1365	1377	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	SLEAEILQLQEELASSER	K	A	95.00%	64.8	37	4.08	2		682.6481	2,044.92	2,045.04	3	0.8899	-55.13	1684	1701	TRUE	
HFF Repeat 1	MYH10 Isoform 1 of Myosin-10	IPI00397526,IPI00479307,IPI00790503	228,927.20	100.00%	12	12	19	13.80%	SLEAEILQLQEELASSER	K	A	95.00%	79.8	36.9	4.59	2		682.3935	2,044.16	2,045.04	3	0.1262	61.68	1684	1701	TRUE	

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	99.80%	2	2	9	4.11%	IGGIGTVPVGR	K	V	95.00%	54.8	39	2.96	2		513.3556	1,024.70	1,025.61	2	0.09345	91.11	256	266	TRUE	
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	99.80%	2	2	9	4.11%	IGGIGTVPVGR	K	V	95.00%	58.8	39	2.89	2		513.3955	1,024.78	1,025.61	2	0.1733	169	256	266	TRUE	
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	99.80%	2	2	9	4.11%	IGGIGTVPVGR	K	V	95.00%	60.6	39	1.82	2		513.2641	1,024.51	1,025.61	2	-0.08959	-87.36	256	266	TRUE	
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	99.80%	2	2	9	4.11%	IGGIGTVPVGR	K	V	95.00%	60.8	39	2.42	2		513.3575	1,024.70	1,025.61	2	0.09737	94.93	256	266	TRUE	
HFF Repeat 2	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	99.80%	2	2	9	4.11%	LPLQDVYK	R	I	95.00%	42.3	40.1	2.09	2		488.3266	974.6387	975.5511	2	0.09486	97.22	248	255	TRUE	
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	34.2	39.9	0.921	2		472.759	943.5035	944.5313	2	-0.02057	-21.78	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	34.9	40.2	0.602	2		473.334	944.6534	944.5313	2	1.129	133.8	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	37.1	40.2	0.77	2		473.3324	944.6503	944.5313	2	1.126	130.6	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	44.4	39.9	0.824	2		472.7935	943.5725	944.5313	2	0.04843	51.27	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	45.4	39.9	0	2		472.7661	943.5177	944.5313	2	-0.006407	-6.783	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	48	39.9	1.3	2		472.8582	943.7018	944.5313	2	0.1778	188.2	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	48.4	39.9	0	2		472.8854	943.7563	944.5313	2	0.2322	245.8	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	48.5	39.9	0	2		472.8179	943.6212	944.5313	2	0.09713	102.8	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	49.7	39.9	0	2		472.8436	943.6727	944.5313	2	0.1486	157.3	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	50.5	39.9	1.14	2		472.8021	943.5897	944.5313	2	0.06564	69.49	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	50.5	39.9	1.08	2		472.8449	943.6752	944.5313	2	0.1512	160	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	50.7	39.9	1.05	2		472.8143	943.6141	944.5313	2	0.09003	95.31	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	52	39.9	0	2		472.8644	943.7143	944.5313	2	0.1902	201.3	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	52.6	39.9	0.854	2		472.8651	943.7156	944.5313	2	0.1915	202.7	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764
HFF Repeat 2	H2AFV Histone H2AV	IPI00018278,IPI00218448,IPI00555841	13,491.20	99.80%	2	2	4	25.80%	AGLQFPVGR	R	I	95.00%	52.7	39.9	0.796	2		472.8003	943.586	944.5313	2	0.06193	65.56	24	32	FALSE	IPI00220855,IPI00255316,IPI00339274,IPI00102165,IPI00552873,IPI00081836,IPI00216457,IPI00291764





Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANR	K	N	95.00%	62.7	39	3.02	2		547.3284	1,092.64	1,093.53	2	0.1222	111.8	295	304	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANR	K	N	95.00%	70.1	39	3.62	2		547.3114	1,092.61	1,093.53	2	0.08825	80.69	295	304	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANR	K	N	95.00%	74.8	39	2.6	2		547.2975	1,092.58	1,093.53	2	0.06057	55.39	295	304	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANR	K	N	95.00%	75.6	38.9	3.52	2		547.8131	1,093.61	1,093.53	2	1.092	81.32	295	304	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	26.3	37.6	1.34	2		593.0238	1,776.05	1,776.86	3	0.1946	109.5	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	30.1	37.6	2.27	2		593.3264	1,776.96	1,776.86	3	1.102	56.06	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	35.6	37.6	3.48	2		593.0102	1,776.01	1,776.86	3	0.1537	86.47	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	37.8	37.6	1	2		592.9802	1,775.92	1,776.86	3	0.06365	35.82	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	41.5	37.6	1.42	2		593.3702	1,777.09	1,776.86	3	1.234	129.9	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	41.8	37.6	2.06	2		592.9844	1,775.93	1,776.86	3	0.07628	42.93	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	FADLSEAANRNNDALR	K	Q	95.00%	44.8	37.6	1.34	2		593.3146	1,776.92	1,776.86	3	1.067	36.05	295	310	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	HLREYQDLLNVK	R	M	90.70%	35.5	38.1	0	2		510.3127	1,527.92	1,527.83	3	1.096	60.82	379	390	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	91.00%	35.7	38.2	0	2		514.0445	1,539.11	1,539.91	3	0.208	135.1	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	95.00%	31.2	38.2	0.678	2		770.5196	1,539.02	1,539.91	2	0.121	78.6	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	95.00%	45.3	38.2	1.77	2		514.0548	1,539.14	1,539.91	3	0.239	155.2	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	95.00%	50	38.2	1.55	2		514.0469	1,539.12	1,539.91	3	0.2152	139.7	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	95.00%	58.4	38.2	1.77	2		514.3682	1,540.08	1,539.91	3	1.179	114.5	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	ILLAELEQLKGQGK	K	S	95.00%	59.2	38.2	2.23	2		514.0135	1,539.02	1,539.91	3	0.1152	74.77	130	143	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	KVESLQEEIAFLK	R	K	95.00%	34.8	38.2	3	2		767.449	1,532.88	1,533.85	2	0.03833	24.99	223	235	TRUE	
HFF Repeat 2	VIM Vimentin	IPI00418471	53,634.60	100.00%	14	16	52	32.80%	KVESLQEEIAFLK	R	K	95.00%	46.8	38.2	2.8	2		512.0375	1,533.09	1,533.85	3	0.2456	160.1	223	235	TRUE	
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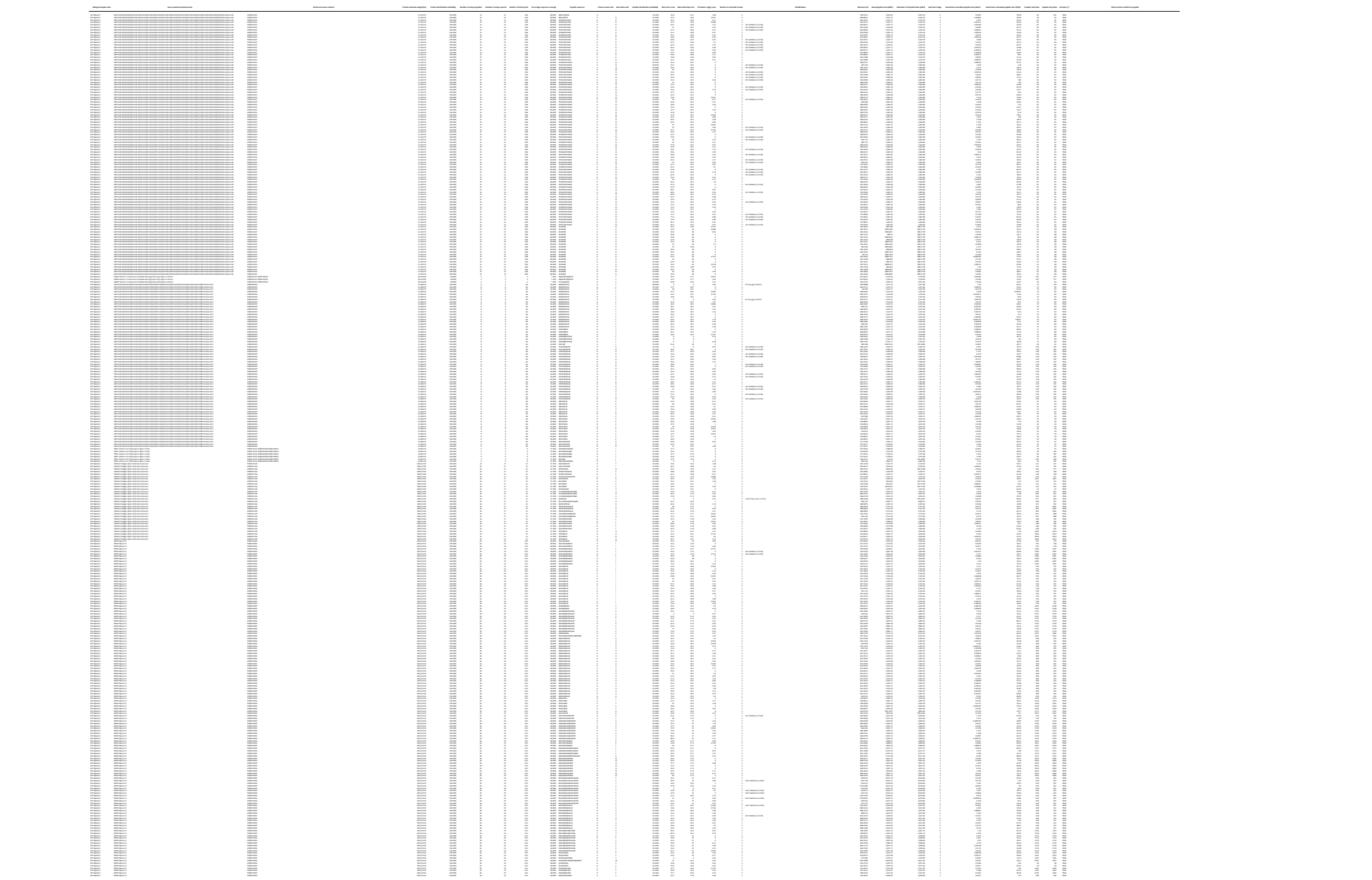

Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	KVIQYLAYVASSHK	K	S	95.00%	44.7	37.8	0	2		536.3402	1,606.00	1,606.90	3	0.1109	68.98	186	199	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	KVIQYLAYVASSHK	K	S	95.00%	48.2	37.8	0	2		536.3793	1,606.12	1,606.90	3	0.2282	142	186	199	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LDPHLVLDQLR	K	C	95.00%	27.8	39	0.77	2		660.4811	1,318.95	1,318.75	2	1.207	154.7	683	693	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LDPHLVLDQLR	K	C	95.00%	41.9	39	3	2		659.9181	1,317.82	1,318.75	2	0.08088	61.33	683	693	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LDPHLVLDQLR	K	C	95.00%	44.5	39	1.48	2		659.8777	1,317.74	1,318.75	2	0.00008502	0.06447	683	693	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LDPHLVLDQLR	K	C	95.00%	46.7	39	1.27	2		659.9173	1,317.82	1,318.75	2	0.07935	60.16	683	693	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LEVNLQAMK	R	A	95.00%	48.3	39.6	0	2		523.3846	1,044.75	1,045.57	2	0.1907	182.4	1558	1566	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LEVNLQAMK	R	A	95.00%	52.4	39.6	0	2		523.3402	1,044.67	1,045.57	2	0.1019	97.44	1558	1566	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LEVNLQAMK	R	A	95.00%	54.6	39.6	0	2		523.3626	1,044.71	1,045.57	2	0.1467	140.3	1558	1566	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQEMEGTVK	K	S	95.00%	32.4	39.6	0.602	2		517.7689	1,033.52	1,034.52	2	0.01164	11.25	1794	1802	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQEMEGTVK	K	S	95.00%	34.2	39.6	0.886	2		517.8196	1,033.62	1,034.52	2	0.113	109.2	1794	1802	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQEMEGTVK	K	S	95.00%	49.4	39.6	0	2		517.8024	1,033.59	1,034.52	2	0.0786	75.97	1794	1802	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	93.60%	36.2	37.2	0	2		650.7365	1,949.19	1,949.99	3	0.2017	103.4	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	95.00%	37.6	37.1	2.12	2		651.0319	1,950.07	1,949.99	3	1.088	43.78	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	95.00%	38.2	37.1	0	2		651.0507	1,950.13	1,949.99	3	1.144	72.62	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	95.00%	49.5	37.2	2.1	2		650.7012	1,949.08	1,949.99	3	0.0959	49.18	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	95.00%	51.7	37.1	1.55	2		651.0443	1,950.11	1,949.99	3	1.125	62.75	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQELDDLLVDLDHQR	R	Q	95.00%	76.9	37.2	1.72	2		650.6702	1,948.99	1,949.99	3	0.002851	1.462	1418	1433	TRUE	
HFF Repeat 2	MYH9 Myosin-9	IPI00019502	226,519.50	100.00%	65	76	323	38.00%	LQQLFNHTmFILEQEEYQR	K	F	95.00%	40.8	35.8	1.22	2	m9: Oxidation (+15.99)	828.5286	2,482.56	2,483.20	3	0.3686	148.4	476	494	TRUE	
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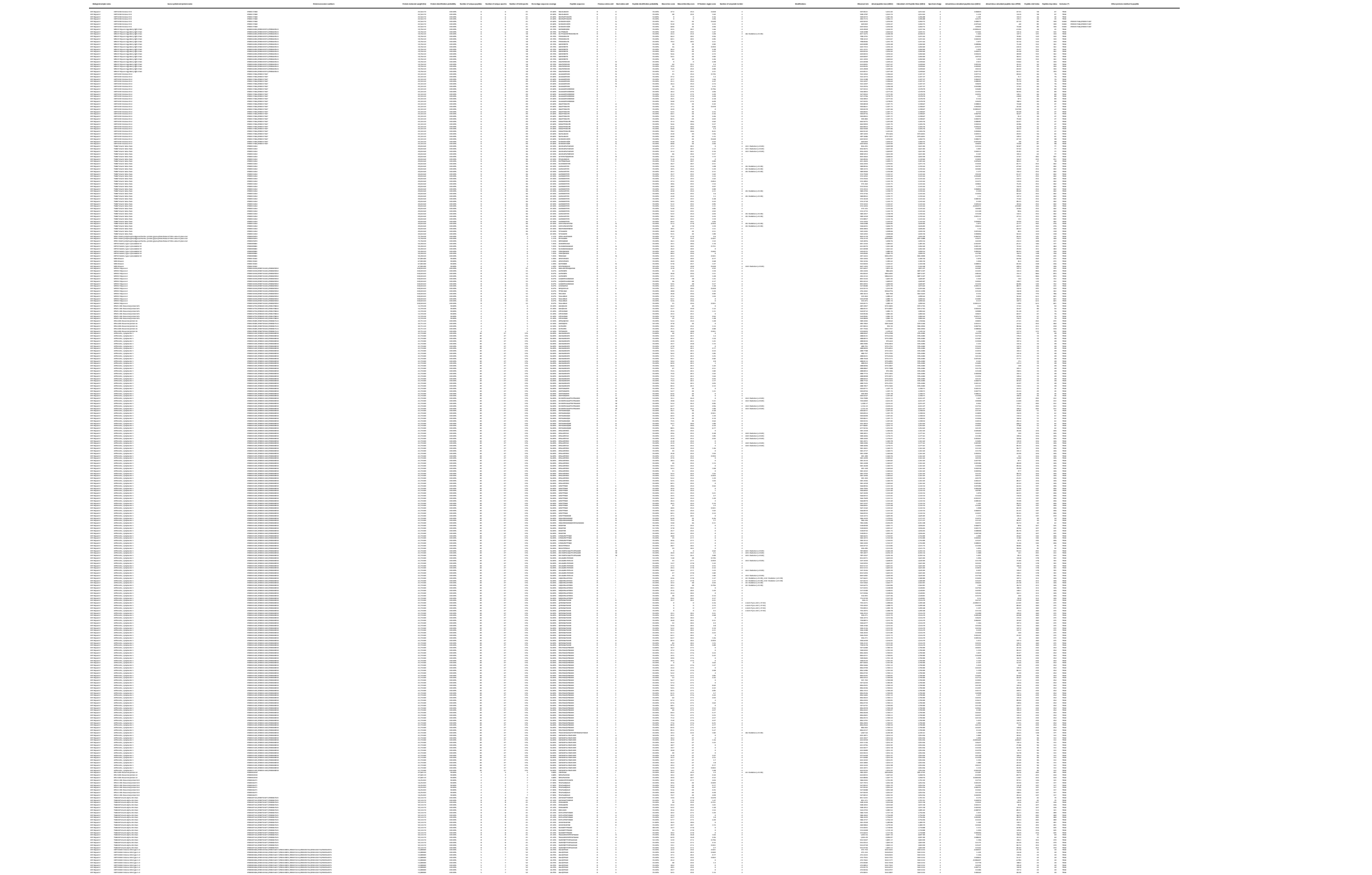
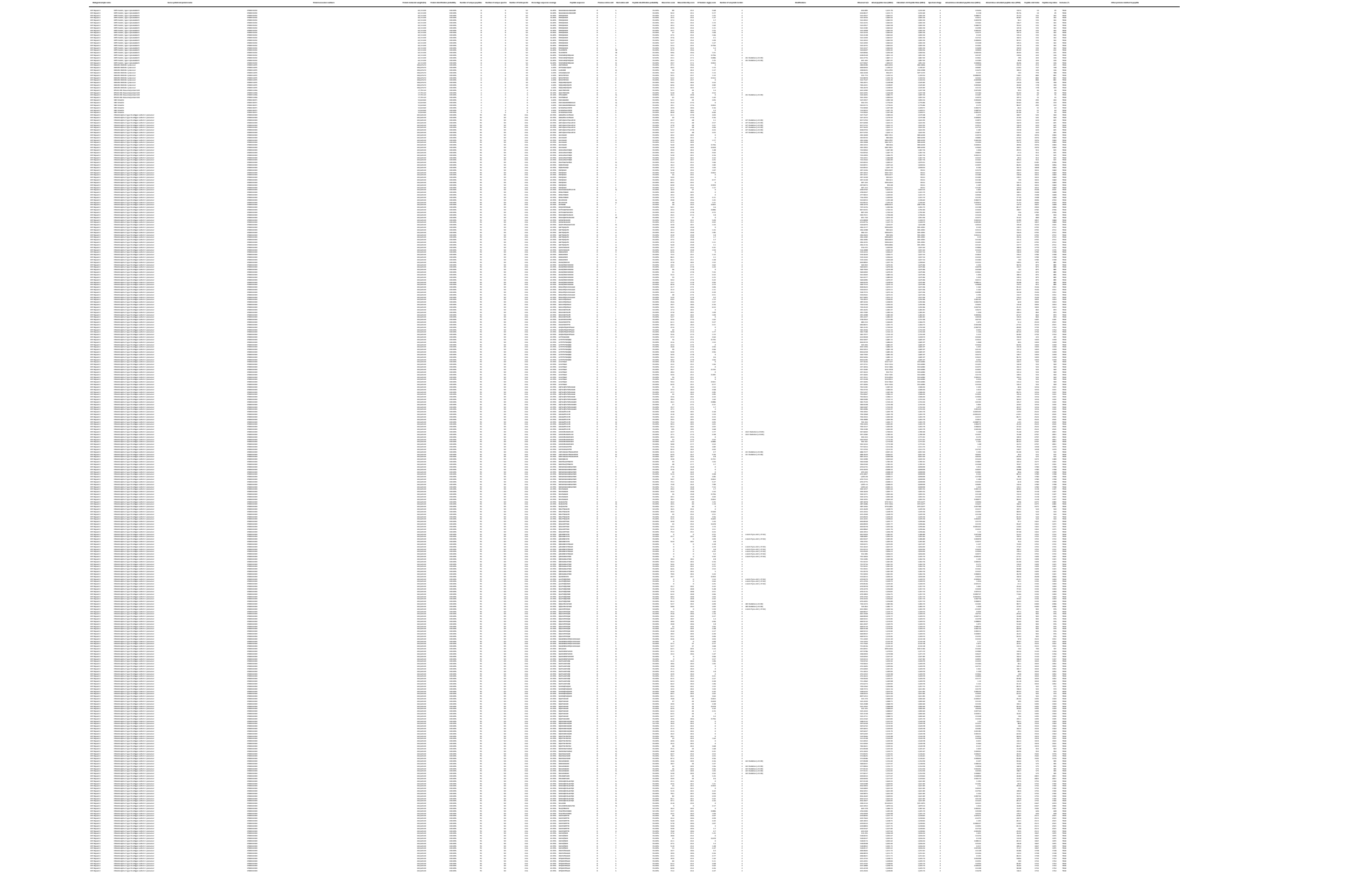


Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	50.5	39.9	1.08	2		472.8449	943.6752	944.5313	2	0.1512	160	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	50.7	39.9	1.05	2		472.8143	943.6141	944.5313	2	0.09003	95.31	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	52	39.9	0	2		472.8644	943.7143	944.5313	2	0.1902	201.3	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	52.6	39.9	0.854	2		472.8651	943.7156	944.5313	2	0.1915	202.7	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	52.7	39.9	0.796	2		472.8003	943.586	944.5313	2	0.06193	65.56	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	53	39.9	0.959	2		472.8218	943.629	944.5313	2	0.1049	111	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	53.1	39.9	0.824	2		472.8669	943.7192	944.5313	2	0.1951	206.5	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	53.4	39.9	0.921	2		472.8539	943.6933	944.5313	2	0.1692	179.1	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	53.9	39.9	1.06	2		472.844	943.6735	944.5313	2	0.1494	158.2	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	54.6	39.9	1.28	2		472.86	943.7055	944.5313	2	0.1814	192.1	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	54.8	39.9	1.57	2		472.8165	943.6184	944.5313	2	0.09432	99.84	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	55.5	39.9	0	2		472.8054	943.5963	944.5313	2	0.07224	76.48	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	55.8	39.9	1	2		472.8292	943.6438	944.5313	2	0.1197	126.7	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	57	39.9	1.04	2		472.8139	943.6132	944.5313	2	0.08917	94.39	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	57.5	39.9	1.04	2		472.8334	943.6522	944.5313	2	0.1281	135.7	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	58	39.9	0.62	2		472.8443	943.674	944.5313	2	0.1499	158.7	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	59	39.9	1.34	2		472.8407	943.6669	944.5313	2	0.1428	151.2	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	62.3	39.9	1.34	2		472.8286	943.6426	944.5313	2	0.1185	125.5	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	62.3	39.9	0.959	2		472.7951	943.5757	944.5313	2	0.05164	54.67	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	64.2	39.9	1.43	2		472.8485	943.6825	944.5313	2	0.1585	167.8	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	64.5	39.9	1.68	2		472.8019	943.5893	944.5313	2	0.06521	69.03	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	AGLQFPVGR	R	V	95.00%	67.5	39.9	1.16	2		472.8565	943.6985	944.5313	2	0.1744	184.6	22	30	TRUE	
HFF Repeat 2	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00102165,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873	13,888.80	100.00%	5	7	52	36.70%	HLQLAIRNDEELNK	R	L	95.00%	21.6	37.6	1.4	2		847.5683	1,693.12	1,692.90	2	1.226	132	83	96	TRUE	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Biological sample name	Gene symbol and protein name	Protein accession numbers	Protein molecular weight (Da)	Protein identification probability	Number of unique peptides	Number of unique spectra	Number of total spectra	Percentage sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	Mascot ion score	Mascot identity score	X! Tandem -log(e) score	Number of enzymatic termini	Modifications	Observed m/z	Actual peptide mass (AMU)	Calculated +1H Peptide Mass (AMU)	Spectrum charge	Actual minus calculated peptide mass (AMU)	Actual minus calculated peptide mass (PPM)	Peptide start index	Peptide stop index	Exclusive (*)	Other proteins matched to peptide
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VTQLTREELSR	R	L	95.00%	42.9	38.8	0	2		666.4326	1,330.85	1,331.73	2	0.13	97.6	1205	1215	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDR	R	V	95.00%	46.9	39.3	1.74	2		608.8124	1,215.61	1,216.62	2	0.000675	0.5548	1054	1064	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDR	R	V	95.00%	50.6	39.3	2.8	2		608.8662	1,215.72	1,216.62	2	0.1082	88.93	1054	1064	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDR	R	V	95.00%	58.4	39.3	3.48	2		608.8832	1,215.75	1,216.62	2	0.1422	116.9	1054	1064	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	93.50%	36.8	38.4	0	2		491.6924	1,472.06	1,471.79	3	1.276	185.6	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	95.00%	31.6	38.4	2.35	2		491.3343	1,470.98	1,471.79	3	0.202	137.2	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	95.00%	44.4	38.4	2.66	2		491.3533	1,471.04	1,471.79	3	0.2588	175.8	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	95.00%	44.6	38.4	2.6	2		491.3384	1,470.99	1,471.79	3	0.2143	145.6	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	95.00%	50	38.4	0.921	2		736.4843	1,470.95	1,471.79	2	0.1749	118.8	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWESLDVGQDRVR	R	V	95.00%	51.5	38.4	0	2		491.3089	1,470.91	1,471.79	3	0.1258	85.47	1054	1066	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWHFTDGADGDLADLHR	K	A	95.00%	58.9	37.1	3.43	2		651.0602	1,950.16	1,950.97	3	0.1989	101.9	1947	1964	TRUE	
HFF Repeat 3	COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	343,649.40	100.00%	79	90	316	24.70%	VWHFTDGADGDLADLHR	K	A	95.00%	87.1	37.1	4.96	2		651.3782	1,951.11	1,950.97	3	1.153	76.9	1947	1964	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	GTSQNDPNWVVR	K	H	95.00%	38.3	38.7	1.77	2		686.8678	1,371.72	1,372.66	2	0.06792	49.48	969	980	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	93.30%	37	39	0	2		624.3263	1,246.64	1,246.70	2	0.9449	-46.33	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	39.4	39	0	2		624.3929	1,246.77	1,246.70	2	1.078	60.44	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	46.4	39	0	2		623.8583	1,245.70	1,246.70	2	0.008927	7.16	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	51.2	39	0	2		623.8503	1,245.69	1,246.70	2	-0.007073	-5.673	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	58.3	39	0	2		623.8928	1,245.77	1,246.70	2	0.07803	62.59	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	62.8	39	0.699	2		623.9122	1,245.81	1,246.70	2	0.1168	93.68	289	299	TRUE	
HFF Repeat 3	THBS1 Thrombospondin-1 precursor	IPI00296099	129,363.70	99.90%	2	2	8	1.97%	TIVTTLQDSIR	R	K	95.00%	63.1	39	0.538	2		623.8968	1,245.78	1,246.70	2	0.08593	68.92	289	299	TRUE	

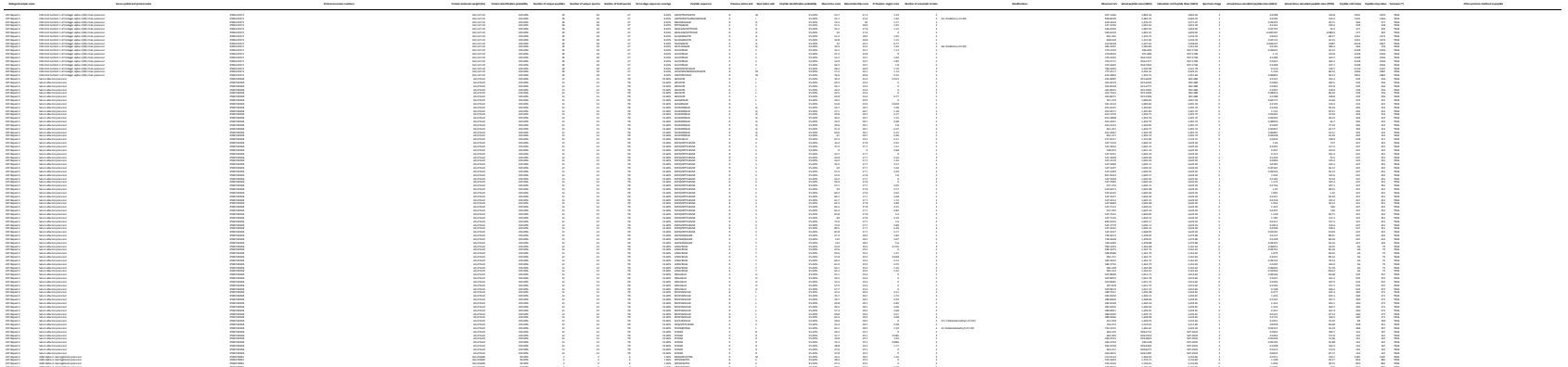


Table S3 GO analysis

Summary of all enriched GO terms for HFF and LX-2 (top-level GO terms from the Cellular Component and Biological Process domains, second-level GO terms from the Molecular Function domain, and KEGG Pathway terms) Terms with fold enrichment value ≥1.5, Bonferroni-corrected P-value <0.05, EASE score (modified Fisher Exact P-value) <0.05 and at least two proteins per term were considered significantly enriched

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_BP_1	HFF	GO:0022610~biological adhesion	20	3.81	1.68E-05
GOTERM_BP_1	HFF	GO:0051179~localization	37	1.73	1.02E-02
GOTERM_BP_1	HFF	GO:0032502~developmental process	37	1.68	1.87E-02

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_BP_1	LX-2	GO:0051179~localization	75	1.55	8.84E-04
GOTERM_BP_1	LX-2	GO:0010467~gene expression	83	1.47	1.78E-03
GOTERM_BP_1	LX-2	GO:0022610~biological adhesion	27	2.28	2.80E-03
GOTERM_BP_1	LX-2	GO:0032502~developmental process	74	1.48	4.50E-03

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_CC_1	HFF	GO:0031012~extracellular matrix	23	9.47	3.20E-14
GOTERM_CC_1	HFF	GO:0044420~extracellular matrix part	15	18.97	6.31E-13
GOTERM_CC_1	HFF	GO:0044422~organelle part	61	2.51	1.11E-12
GOTERM_CC_1	HFF	GO:0032991~macromolecular complex	51	2.82	9.00E-12
GOTERM_CC_1	HFF	GO:0044421~extracellular region part	25	4.40	1.88E-08
GOTERM_CC_1	HFF	GO:0005576~extracellular region	28	2.99	4.74E-06

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_CC_1	LX-2	GO:0044422~organelle part	146	2.69	1.19E-35
GOTERM_CC_1	LX-2	GO:0032991~macromolecular complex	120	2.98	4.80E-31
GOTERM_CC_1	LX-2	GO:0044420~extracellular matrix part	21	11.92	1.07E-14
GOTERM_CC_1	LX-2	GO:0043226~organelle	188	1.47	3.91E-14
GOTERM_CC_1	LX-2	GO:0031012~extracellular matrix	29	5.36	1.43E-11
GOTERM_CC_1	LX-2	GO:0044421~extracellular region part	34	2.69	6.30E-06
GOTERM_CC_1	LX-2	GO:0031975~envelope	26	3.00	3.08E-05
GOTERM_CC_1	LX-2	GO:0005576~extracellular region	44	2.11	5.57E-05

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_MF_2	HFF	GO:0003735~structural constituent of ribosome	23	11.35	4.89E-15
GOTERM_MF_2	HFF	GO:0005200~structural constituent of cytoskeleton	13	22.56	4.59E-11
GOTERM_MF_2	HFF	GO:0005201~extracellular matrix structural constituent	13	18.34	5.76E-10
GOTERM_MF_2	HFF	GO:0005515~protein binding	81	1.70	1.76E-08
GOTERM_MF_2	HFF	GO:0015482~voltage-gated anion channel porin activity	3	150.95	1.44E-02
GOTERM_MF_2	HFF	GO:0001871~pattern binding	7	8.81	1.57E-02

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
GOTERM_MF_2	LX-2	GO:0003735~structural constituent of ribosome	55	12.17	6.22E-41
GOTERM_MF_2	LX-2	GO:0005515~protein binding	167	1.57	4.81E-13
GOTERM_MF_2	LX-2	GO:0005200~structural constituent of cytoskeleton	16	12.45	2.47E-10
GOTERM_MF_2	LX-2	GO:0005201~extracellular matrix structural constituent	17	10.76	4.39E-10

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
KEGG_PATHWAY	HFF	hsa01430:Cell Communication	19	8.53	3.05E-10
KEGG_PATHWAY	HFF	hsa03010:Ribosome	16	9.77	4.66E-09
KEGG_PATHWAY	HFF	hsa04512:ECM-receptor interaction	12	8.32	2.04E-05
KEGG_PATHWAY	HFF	hsa04510:Focal adhesion	13	3.99	1.24E-02

Category	Cell Type	Term	Count (number of proteins per term)	Fold Enrichment	Bonferroni-corrected P value
KEGG_PATHWAY	LX-2	hsa03010:Ribosome	40	12.21	1.16E-31
KEGG_PATHWAY	LX-2	hsa01430:Cell Communication	27	6.06	1.14E-11
KEGG_PATHWAY	LX-2	hsa04512:ECM-receptor interaction	17	5.90	2.57E-06
KEGG_PATHWAY	LX-2	hsa04510:Focal adhesion	20	3.07	3.49E-03

Table S4. Quantification of identified proteins

Unweighted Spectrum Counts were normalised to total observed spectra for each respective biological repeat and expressed as a percentage

Total observed spectra were 68384 for LX-2 repeat 1, 69108 for LX-2 repeat 2, 70371 for LX-2 repeat 3, 78656 fot HFF repeat 1, 75428 for HFF repeat 2 and 70500 for HFF repeat 3

Mean percentage spectral counts were calculated and used for hierarchical clustering

			Unweighted spectrum counts						Normalised spectral counts (%)						Mean normalised spectral counts (%)			
Identified Proteins (277)	**Accession Number**	**Molecular Weight**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 mean**	**LX-2 s.d**	**HFF mean**	**HFF s.d**
A2M Alpha-2-macroglobulin precursor	IPI00478003	163 kDa	0	13	0	0	0	6	0	0.01881	0	0	0	0.00851	0.00627	0.01086	0.00284	0.00491
ABCD3 ATP-binding cassette sub-family D member 3	IPI00002372	75 kDa	11	0	3	0	0	0	0.01609	0	0.00426	0	0	0	0.00678	0.00833	0	0
ACTA1 Actin, alpha skeletal muscle	IPI00021428	42 kDa	55	0	79	148	126	0	0.08043	0	0.11226	0.18816	0.16705	0	0.06423	0.05786	0.11840	0.10308
ACTB Actin, cytoplasmic 1	IPI00021439	42 kDa	118	7	137	209	176	34	0.17255	0.01013	0.19468	0.26571	0.23334	0.04823	0.12579	0.10077	0.18243	0.11734
ACTN1 Alpha-actinin-1	IPI00013508	103 kDa	4	0	4	3	0	0	0.00585	0	0.00568	0.00381	0	0	0.00384	0.00333	0.00127	0.00220
ACTR2 Actin-related protein 2	IPI00005159	45 kDa	7	0	5	0	0	0	0.01024	0	0.00711	0	0	0	0.00578	0.00525	0	0
ACTR3 Actin-related protein 3	IPI00028091	47 kDa	10	0	8	2	0	0	0.01462	0	0.01137	0.00254	0	0	0.00866	0.00768	0.00085	0.00147
ADAMTS1 ADAMTS-1 precursor	IPI00005908	105 kDa	0	0	0	0	2	0	0	0	0	0	0.00265	0	0	0	0.00088	0.00153
AGRN Agrin precursor	IPI00374563	215 kDa	16	0	13	0	0	0	0.02340	0	0.01847	0	0	0	0.01396	0.01234	0	0
ANPEP Aminopeptidase N (CD13)	IPI00221224	110 kDa	0	0	0	25	33	0	0	0	0	0.03178	0.04375	0	0	0	0.02518	0.02261
ANXA1 Annexin A1	IPI00218918	39 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
ANXA2 Annexin A2	IPI00455315	39 kDa	6	0	6	4	2	0	0.00877	0	0.00853	0.00509	0.00265	0	0.00577	0.00500	0.00258	0.00254
ANXA5 Annexin A5	IPI00329801	36 kDa	6	0	2	0	0	0	0.00877	0	0.00284	0	0	0	0.00387	0.00448	0	0
ANXA6 Annexin A6	IPI00221226	76 kDa	26	0	34	14	17	0	0.03802	0	0.04832	0.01780	0.02254	0	0.02878	0.02545	0.01345	0.01188
ARF1 ADP-ribosylation factor 1	IPI00215914	21 kDa	0	0	7	0	0	0	0	0	0.00995	0	0	0	0.00332	0.00574	0	0
ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34 kDa	3	0	3	0	2	0	0.00439	0	0.00426	0	0.00265	0	0.00288	0.00250	0.00088	0.00153
ARPC3 Actin-related protein 2/3 complex subunit 3	IPI00005162	21 kDa	6	0	6	0	0	0	0.00877	0	0.00853	0	0	0	0.00577	0.00500	0	0
ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811	20 kDa	0	0	4	0	3	0	0	0	0.00568	0	0.00398	0	0.00189	0.00328	0.00133	0.00230
ATAD3A ATPase family, AAA domain containing 3A	IPI00646144	64 kDa	3	0	2	0	0	0	0.00439	0	0.00284	0	0	0	0.00241	0.00223	0	0
ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	60 kDa	8	0	16	3	3	0	0.01170	0	0.02274	0.00381	0.00398	0	0.01148	0.01137	0.00260	0.00225
ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00303476	57 kDa	9	0	25	6	5	0	0.01316	0	0.03553	0.00763	0.00663	0	0.01623	0.01796	0.00475	0.00415
ATP5C1 Isoform Liver of ATP synthase gamma chain, mitochondrial precursor	IPI00478410	33 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
ATP5J2 Isoform 1 of ATP synthase f chain, mitochondrial	IPI00220300	11 kDa	0	0	3	0	0	0	0	0	0.00426	0	0	0	0.00142	0.00246	0	0
ATP5O ATP synthase subunit O, mitochondrial precursor	IPI00007611	23 kDa	0	0	0	2	0	0	0	0	0	0.00254	0	0	0	0	0.00085	0.00147
BANF1 Barrier-to-autointegration factor	IPI00026087	10 kDa	15	0	0	0	0	0	0.02193	0	0	0	0	0	0.00731	0.01266	0	0
BCAM Lutheran blood group glycoprotein precursor (CD239 - laminin receptor)	IPI00002406	67 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
BCAP31 B-cell receptor-associated protein 31	IPI00218200	35 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
BST1 ADP-ribosyl cyclase 2 precursor	IPI00026240	36 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
C3 Complement C3 precursor (Fragment)	IPI00783987	187 kDa	0	2	5	0	0	7	0	0.00289	0.00711	0	0	0.00993	0.00333	0.00357	0.00331	0.00573
C4A Complement C4-A precursor	IPI00032258	193 kDa	0	4	0	0	0	0	0	0.00579	0	0	0	0	0.00193	0.00334	0	0
CAPZA1 F-actin-capping protein subunit alpha-1	IPI00005969	33 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
CAV1 Caveolin	IPI00853146	19 kDa	12	0	14	0	0	0	0.01755	0	0.01989	0	0	0	0.01248	0.01087	0	0
CD44 Isoform 3 of CD44 antigen precursor	IPI00827650	78 kDa	4	0	0	4	5	0	0.00585	0	0	0.00509	0.00663	0	0.00195	0.00338	0.00390	0.00347
CFL1 Cofilin-1	IPI00012011	19 kDa	0	0	5	0	0	0	0	0	0.00711	0	0	0	0.00237	0.00410	0	0
CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	IPI00015833	26 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318	66 kDa	19	0	8	12	10	0	0.02778	0	0.01137	0.01526	0.01326	0	0.01305	0.01397	0.00950	0.00829
CLEC3B Putative uncharacterized protein DKFZp686H17246 [tetranectin(plasminogen binding protein)]	IPI00792115	18 kDa	0	3	0	0	0	0	0	0.00434	0	0	0	0	0.00145	0.00251	0	0
CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067	192 kDa	4	0	5	0	0	0	0.00585	0	0.00711	0	0	0	0.00432	0.00379	0	0
COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	IPI00329573	333 kDa	91	0	160	0	0	37	0.13307	0	0.22737	0	0	0.05248	0.12015	0.11423	0.01749	0.03030
COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	139 kDa	11	0	13	9	3	13	0.01609	0	0.01847	0.01144	0.00398	0.01844	0.01152	0.01005	0.01129	0.00723
COL1A2 Collagen alpha-2(I) chain precursor	IPI00304962	129 kDa	0	0	0	4	0	0	0	0	0	0.00509	0	0	0	0	0.00170	0.00294
COL4A1 Collagen alpha-1(IV) chain precursor	IPI00844360	161 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
COL4A2 Collagen alpha-2(IV) chain precursor	IPI00306322	168 kDa	0	0	3	0	0	0	0	0	0.00426	0	0	0	0.00142	0.00246	0	0
COL5A1 Collagen alpha-1(V) chain precursor	IPI00844090	184 kDa	8	0	8	0	0	0	0.01170	0	0.01137	0	0	0	0.00769	0.00666	0	0
COL5A2 Collagen alpha-2(V) chain precursor	IPI00739099	145 kDa	0	0	0	0	0	4	0	0	0	0	0	0.00567	0	0	0.00189	0.00328
COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	109 kDa	42	36	34	19	31	58	0.06142	0.05209	0.04832	0.02416	0.04110	0.08227	0.05394	0.00674	0.04917	0.02989
COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	109 kDa	22	37	40	27	23	34	0.03217	0.05354	0.05684	0.03433	0.03049	0.04823	0.04752	0.01339	0.03768	0.00933
COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	344 kDa	222	256	356	199	193	316	0.32464	0.37043	0.50589	0.25300	0.25587	0.44823	0.40032	0.09425	0.31903	0.11189
COX5A Cytochrome c oxidase subunit 5A, mitochondrial precursor	IPI00025086	17 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
CPNE1 Copine-1	IPI00018452	59 kDa	3	0	9	0	0	0	0.00439	0	0.01279	0	0	0	0.00573	0.00650	0	0
CPNE2 Copine II	IPI00645310	64 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
CPZ Isoform 1 of Carboxypeptidase Z precursor	IPI00396391	74 kDa	0	8	0	0	0	0	0	0.01158	0	0	0	0	0.00386	0.00668	0	0
CS citrate synthase precursor, isoform b	IPI00383539	47 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
CSNK2A1 Casein kinase II subunit alpha	IPI00744507	45 kDa	4	0	4	0	0	0	0.00585	0	0.00568	0	0	0	0.00384	0.00333	0	0
CYB61 Protein CYR61 precursor	IPI00299219	42 kDa	0	39	3	0	0	0	0	0.05643	0.00426	0	0	0	0.02023	0.03142	0	0
DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	51 kDa	8	0	5	2	2	0	0.01170	0	0.00711	0.00254	0.00265	0	0.00627	0.00589	0.00173	0.00150
DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73 kDa	4	0	6	0	0	0	0.00585	0	0.00853	0	0	0	0.00479	0.00436	0	0
DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
DPT Dermatopontin precursor	IPI00292130	24 kDa	0	0	0	0	0	3	0	0	0	0	0	0.00426	0	0	0.00142	0.00246
EDIL3 Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor (DEL1)	IPI00306046	54 kDa	0	8	0	0	0	0	0	0.01158	0	0	0	0	0.00386	0.00668	0	0
EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50 kDa	28	0	43	0	9	0	0.04095	0	0.06110	0	0.01193	0	0.03402	0.03114	0.00398	0.00689
EEF2 Elongation factor 2	IPI00186290	95 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
EFEMP2 EGF-containing fibulin-like extracellular matrix protein 2 precursor (fibulin 4)	IPI00296058	49 kDa	0	0	0	4	2	0	0	0	0	0.00509	0.00265	0	0	0	0.00258	0.00254
EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519	109 kDa	6	0	3	0	0	0	0.00877	0	0.00426	0	0	0	0.00435	0.00439	0	0
EGFL7 EGF-like domain-containing protein 7 precursor (VE-statin)	IPI00383960	30 kDa	8	0	2	0	0	0	0.01170	0	0.00284	0	0	0	0.00485	0.00610	0	0
EIF3A Eukaryotic translation initiation factor 3 subunit 10	IPI00029012	167 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491	46 kDa	9	0	14	0	0	0	0.01316	0	0.01989	0	0	0	0.01102	0.01012	0	0
EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	47 kDa	8	0	8	0	0	0	0.01170	0	0.01137	0	0	0	0.00769	0.00666	0	0
EMILIN1 EMILIN-1 precursor	IPI00013079	107 kDa	0	0	0	44	34	10	0	0	0	0.05594	0.04508	0.01418	0	0	0.03840	0.02166
ENTPD4;LOXL2 Lysyl oxidase homolog 2 precursor	IPI00782994	87 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
ERLIN1 ER lipid raft associated 1	IPI00007940	39 kDa	10	0	0	0	0	0	0.01462	0	0	0	0	0	0.00487	0.00844	0	0
ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	38 kDa	14	0	10	7	6	0	0.02047	0	0.01421	0.00890	0.00795	0	0.01156	0.01049	0.00562	0.00489
FBLN1 Isoform B of Fibulin-1 precursor	IPI00218803	77 kDa	0	0	0	9	8	0	0	0	0	0.01144	0.01061	0	0	0	0.00735	0.00638
FBLN2 Fibulin-2 precursor	IPI00023824	127 kDa	12	0	2	41	29	0	0.01755	0	0.00284	0.05213	0.03845	0	0.00680	0.00942	0.03019	0.02703
FBN1 312 kDa protein (fibrillin 1)	IPI00784458	312 kDa	188	218	153	20	11	0	0.27492	0.31545	0.21742	0.02543	0.01458	0	0.26926	0.04926	0.01334	0.01276
FBN2 fibrillin 2 precursor	IPI00019439	315 kDa	28	35	29	6	3	0	0.04095	0.05065	0.04121	0.00763	0.00398	0	0.04427	0.00553	0.00387	0.00382
FGF2 fibroblast growth factor 2	IPI00154603	31 kDa	2	0	0	6	0	0	0.00292	0	0	0.00763	0	0	0.00097	0.00169	0.00254	0.00440
FLNA Filamin-A	IPI00333541	281 kDa	10	0	14	0	0	0	0.01462	0	0.01989	0	0	0	0.01151	0.01031	0	0
FLOT1 Flotillin-1	IPI00027438	47 kDa	23	0	25	8	8	0	0.03363	0	0.03553	0.01017	0.01061	0	0.02305	0.01999	0.00693	0.00600
FLOT2 Flotillin 2	IPI00789008	47 kDa	30	0	25	4	5	0	0.04387	0	0.03553	0.00509	0.00663	0	0.02647	0.02330	0.00390	0.00347
FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	257 kDa	164	0	141	584	545	49	0.23982	0	0.20037	0.74247	0.72254	0.06950	0.14673	0.12859	0.51151	0.38292
GANAB Isoform 1 of Neutral alpha-glucosidase AB precursor	IPI00383581	107 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36 kDa	5	0	10	3	0	0	0.00731	0	0.01421	0.00381	0	0	0.00717	0.00711	0.00127	0.00220
GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	IPI00748145	40 kDa	12	0	6	0	3	0	0.01755	0	0.00853	0	0.00398	0	0.00869	0.00878	0.00133	0.00230
GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37 kDa	4	0	4	0	0	0	0.00585	0	0.00568	0	0	0	0.00384	0.00333	0	0
GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37 kDa	4	0	0	0	0	0	0.00585	0	0	0	0	0	0.00195	0.00338	0	0
GREM1 Isoform 1 of Gremlin-1 precursor	IPI00298476	21 kDa	0	5	0	0	0	0	0	0.00724	0	0	0	0	0.00241	0.00418	0	0
GSN Isoform 1 of Gelsolin precursor	IPI00026314	86 kDa	2	0	5	0	0	0	0.00292	0	0.00711	0	0	0	0.00334	0.00357	0	0
H2AFV Histone H2AV	IPI00018278	14 kDa	21	0	21	0	36	0	0.03071	0	0.02984	0	0.04773	0	0.02018	0.01748	0.01591	0.02756
H2AFY H2A histone family, member Y isoform 2	IPI00059366	39 kDa	3	0	8	13	16	0	0.00439	0	0.01137	0.01653	0.02121	0	0.00525	0.00573	0.01258	0.01114
H2BFS Histone H2B	IPI00745513	8 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
HADHA Trifunctional enzyme subunit alpha, mitochondrial precursor	IPI00031522	83 kDa	11	0	2	0	0	0	0.01609	0	0.00284	0	0	0	0.00631	0.00859	0	0
HADHB Trifunctional enzyme beta subunit, mitochondrial precursor	IPI00022793	51 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714	15 kDa	4	11	14	12	22	44	0.00585	0.01592	0.01989	0.01526	0.02917	0.06241	0.01389	0.00724	0.03561	0.02423
HBB Hemoglobin subunit beta	IPI00654755	16 kDa	0	5	10	0	0	0	0	0.00724	0.01421	0	0	0	0.00715	0.00711	0	0
HIST1H1B Histone H1.5	IPI00217468	23 kDa	17	0	13	30	24	0	0.02486	0	0.01847	0.03814	0.03182	0	0.01444	0.01291	0.02332	0.02044
HIST1H1D Histone H1.3	IPI00217466	22 kDa	16	0	18	31	29	0	0.02340	0	0.02558	0.03941	0.03845	0	0.01633	0.01418	0.02595	0.02248
HIST1H2AH Histone H2A type 1-H	IPI00081836	14 kDa	47	9	32	55	52	0	0.06873	0.01302	0.04547	0.06992	0.06894	0	0.04241	0.02798	0.04629	0.04009
HIST1H2BL Histone H2B type 1-L	IPI00018534	14 kDa	76	0	57	87	86	4	0.11114	0	0.08100	0.11061	0.11402	0.00567	0.06405	0.05748	0.07677	0.06159
HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	15 kDa	8	0	10	71	66	28	0.01170	0	0.01421	0.09027	0.08750	0.03972	0.00864	0.00758	0.07249	0.02842
HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	11 kDa	93	11	67	193	168	91	0.13600	0.01592	0.09521	0.24537	0.22273	0.12908	0.08237	0.06106	0.19906	0.06165
HIST2H2BE Histone H2B type 2-E	IPI00003935	14 kDa	74	0	57	73	71	0	0.10821	0	0.08100	0.09281	0.09413	0	0.06307	0.05629	0.06231	0.05397
HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592	32 kDa	12	0	8	0	0	0	0.01755	0	0.01137	0	0	0	0.00964	0.00890	0	0

			Unweighted spectrum counts						Normalised spectral counts (%)						Mean normalised spectral counts (%)			
Identified Proteins (277)	**Accession Number**	**Molecular Weight**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 mean**	**LX-2 s.d**	**HFF mean**	**HFF s.d**
HNRNPU Heterogeneous nuclear ribonucleoprotein U	IPI00644224	62 kDa	0	0	8	0	0	0	0	0	0.01137	0	0	0	0.00379	0.00656	0	0
HNRPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881	49 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903	78 kDa	3	0	3	0	0	0	0.00439	0	0.00426	0	0	0	0.00288	0.00250	0	0
HSP90AB1 85 kDa protein	IPI00334775	85 kDa	4	0	9	0	0	0	0.00585	0	0.01279	0	0	0	0.00621	0.00640	0	0
HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	71 kDa	12	0	10	0	0	0	0.01755	0	0.01421	0	0	0	0.01059	0.00932	0	0
HSPB1 Heat shock protein beta-1	IPI00025512	23 kDa	0	0	4	4	5	0	0	0	0.00568	0.00509	0.00663	0	0.00189	0.00328	0.00390	0.00347
HSPD1 60 kDa heat shock protein, mitochondrial precursor	IPI00784154	61 kDa	0	0	3	0	0	0	0	0	0.00426	0	0	0	0.00142	0.00246	0	0
HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor (perlecan)	IPI00024284	469 kDa	66	0	46	112	104	0	0.09651	0	0.06537	0.14239	0.13788	0	0.05396	0.04926	0.09342	0.08094
HTRA1 Serine protease HTRA1 precursor	IPI00003176	51 kDa	0	8	0	0	0	0	0	0.01158	0	0	0	0	0.00386	0.00668	0	0
IGFBP5 Insulin-like growth factor-binding protein 5 precursor	IPI00029236	31 kDa	0	2	0	0	0	0	0	0.00289	0	0	0	0	0.00096	0.00167	0	0
IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960	84 kDa	7	0	17	0	0	0	0.01024	0	0.02416	0	0	0	0.01146	0.01213	0	0
KRT1 Keratin, type II cytoskeletal 1	IPI00220327	66 kDa	104	219	64	77	40	48	0.15208	0.31690	0.09095	0.09789	0.05303	0.06809	0.18664	0.11687	0.07300	0.02283
KRT10 Keratin, type I cytoskeletal 10	IPI00009865	60 kDa	47	93	16	11	6	23	0.06873	0.13457	0.02274	0.01398	0.00795	0.03262	0.07535	0.05621	0.01819	0.01286
KRT14 Keratin, type I cytoskeletal 14	IPI00384444	52 kDa	0	27	0	0	0	0	0	0.03907	0	0	0	0	0.01302	0.02256	0	0
KRT18 Keratin, type I cytoskeletal 18	IPI00784347	48 kDa	10	0	9	0	0	0	0.01462	0	0.01279	0	0	0	0.00914	0.00797	0	0
KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	66 kDa	36	75	20	19	6	17	0.05264	0.10853	0.02842	0.02416	0.00795	0.02411	0.06320	0.04108	0.01874	0.00934
KRT5 Keratin, type II cytoskeletal 5	IPI00009867	62 kDa	0	20	0	0	0	3	0	0.02894	0	0	0	0.00426	0.00965	0.01671	0.00142	0.00246
KRT6A Keratin, type II cytoskeletal 6A	IPI00300725	60 kDa	0	22	0	13	0	0	0	0.03183	0	0.01653	0	0	0.01061	0.01838	0.00551	0.00954
KRT8 Keratin, type II cytoskeletal 8	IPI00554648	54 kDa	12	0	8	0	0	0	0.01755	0	0.01137	0	0	0	0.00964	0.00890	0	0
KRT9 Keratin, type I cytoskeletal 9	IPI00019359	62 kDa	48	94	31	43	35	54	0.07019	0.13602	0.04405	0.05467	0.04640	0.07660	0.08342	0.04739	0.05922	0.01560
LAMA4 Isoform 1 of Laminin subunit alpha-4 precursor	IPI00329482	203 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
LAMA5 Laminin subunit alpha-5 precursor	IPI00783665	400 kDa	28	0	9	0	0	0	0.04095	0	0.01279	0	0	0	0.01791	0.02095	0	0
LAMB1 Laminin subunit beta-1 precursor	IPI00013976	198 kDa	13	0	2	0	0	0	0.01901	0	0.00284	0	0	0	0.00728	0.01025	0	0
LAMB2 Laminin subunit beta-2 precursor	IPI00296922	196 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
LAMC1 Laminin subunit gamma-1 precursor	IPI00298281	178 kDa	4	0	0	0	0	0	0.00585	0	0	0	0	0	0.00195	0.00338	0	0
LGALS1 Galectin-1	IPI00219219	15 kDa	0	2	0	0	0	0	0	0.00289	0	0	0	0	0.00096	0.00167	0	0
LMNA Isoform A of Lamin-A/C	IPI00021405	74 kDa	5	0	12	7	0	0	0.00731	0	0.01705	0.00890	0	0	0.00812	0.00856	0.00297	0.00514
LMNB1 Lamin-B1	IPI00217975	66 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	52 kDa	19	57	22	0	0	0	0.02778	0.08248	0.03126	0	0	0	0.04718	0.03062	0	0
MFI2 Isoform 1 of Melanotransferrin precursor	IPI00029275	80 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
MGST3 Microsomal glutathione S-transferase 3	IPI00024266	17 kDa	0	0	7	0	0	0	0	0	0.00995	0	0	0	0.00332	0.00574	0	0
MME Neprilysin (CD10)	IPI00247063	86 kDa	0	0	0	0	3	0	0	0	0	0	0.00398	0	0	0	0.00133	0.00230
MOXD1 Isoform 1 of DBH-like monooxygenase protein 1 precursor	IPI00419596	70 kDa	0	0	0	2	0	0	0	0	0	0.00254	0	0	0	0	0.00085	0.00147
MPHOSPH1 Isoform 1 of M-phase phosphoprotein 1	IPI00044751	211 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
MRLC2 Myosin regulatory light chain	IPI00033494	20 kDa	12	0	20	15	18	0	0.01755	0	0.02842	0.01907	0.02386	0	0.01532	0.01434	0.01431	0.01262
MSN Moesin	IPI00219365	68 kDa	0	0	0	3	3	0	0	0	0	0.00381	0.00398	0	0	0	0.00260	0.00225
MVP Major vault protein	IPI00000105	99 kDa	17	0	29	0	0	0	0.02486	0	0.04121	0	0	0	0.02202	0.02075	0	0
MXRA5 Matrix-remodeling-associated protein 5 precursor (adlican)	IPI00012347	312 kDa	0	0	0	20	18	8	0	0	0	0.02543	0.02386	0.01135	0	0	0.02021	0.00772
MYADM Myeloid-associated differentiation marker	IPI00102685	35 kDa	0	0	5	0	0	0	0	0	0.00711	0	0	0	0.00237	0.00410	0	0
MYH10 Isoform 1 of Myosin-10	IPI00397526	229 kDa	37	0	88	41	43	0	0.05411	0	0.12505	0.05213	0.05701	0	0.05972	0.06271	0.03638	0.03160
MYH9 Myosin-9	IPI00019502	227 kDa	231	0	462	413	323	0	0.33780	0	0.65652	0.52507	0.42822	0	0.33144	0.32831	0.31776	0.27942
MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168	17 kDa	15	0	22	24	33	0	0.02193	0	0.03126	0.03051	0.04375	0	0.01773	0.01605	0.02475	0.02244
MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	20 kDa	0	0	14	0	0	0	0	0	0.01989	0	0	0	0.00663	0.01149	0	0
MYO1C Myosin-Ic	IPI00010418	118 kDa	7	0	0	21	15	0	0.01024	0	0	0.02670	0.01989	0	0.00341	0.00591	0.01553	0.01387
MYO1D Isoform 1 of Myosin-Id	IPI00329719	116 kDa	0	0	0	0	2	0	0	0	0	0	0.00265	0	0	0	0.00088	0.00153
NCL Isoform 1 of Nucleolin	IPI00604620	77 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
NID1 Isoform 1 of Nidogen-1 precursor	IPI00026944	136 kDa	20	0	5	0	0	0	0.02925	0	0.00711	0	0	0	0.01212	0.01525	0	0
NID2 Nidogen-2 precursor	IPI00028908	151 kDa	15	0	3	4	8	0	0.02193	0	0.00426	0.00509	0.01061	0	0.00873	0.01163	0.00523	0.00530
NT5E 5'-nucleotidase precursor	IPI00009456	63 kDa	28	0	13	18	11	0	0.04095	0	0.01847	0.02288	0.01458	0	0.01981	0.02051	0.01249	0.01159
PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	71 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
PCBP2 poly(rC)-binding protein 2 isoform a	IPI00796337	39 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
PDIA3 Protein disulfide-isomerase A3 precursor	IPI00025252	57 kDa	8	0	0	0	0	0	0.01170	0	0	0	0	0	0.00390	0.00675	0	0
PFKP 6-phosphofructokinase type C	IPI00009790	86 kDa	3	0	6	0	0	0	0.00439	0	0.00853	0	0	0	0.00430	0.00426	0	0
PFN1 Profilin-1	IPI00216691	15 kDa	7	0	4	0	0	0	0.01024	0	0.00568	0	0	0	0.00531	0.00513	0	0
PHB Prohibitin	IPI00017334	30 kDa	2	0	5	0	0	0	0.00292	0	0.00711	0	0	0	0.00334	0.00357	0	0
PHB2 Prohibitin-2	IPI00027252	33 kDa	7	0	11	0	0	0	0.01024	0	0.01563	0	0	0	0.00862	0.00794	0	0
PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	57 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	IPI00479186	58 kDa	2	0	11	0	0	0	0.00292	0	0.01563	0	0	0	0.00619	0.00831	0	0
POSTN Isoform 1 of Periostin precursor	IPI00007960	93 kDa	0	0	0	3	0	0	0	0	0	0.00381	0	0	0	0	0.00127	0.00220
PPIB peptidylprolyl isomerase B precursor	IPI00646304	24 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
PRDX1 Peroxiredoxin-1	IPI00000874	22 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
PRKCDBP protein kinase C, delta binding protein	IPI00056334	28 kDa	0	0	0	2	0	0	0	0	0	0.00254	0	0	0	0	0.00085	0.00147
PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337	469 kDa	16	0	12	0	0	0	0.02340	0	0.01705	0	0	0	0.01348	0.01210	0	0
PRPF8 Pre-mRNA-processing-splicing factor 8	IPI00007928	274 kDa	4	0	0	0	0	0	0.00585	0	0	0	0	0	0.00195	0.00338	0	0
PRSS23 Serine protease 23 precursor	IPI00026941	43 kDa	13	31	7	0	0	0	0.01901	0.04486	0.00995	0	0	0	0.02460	0.01811	0	0
PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	43 kDa	16	0	7	0	0	0	0.02340	0	0.00995	0	0	0	0.01111	0.01174	0	0
RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719	23 kDa	8	0	8	0	0	0	0.01170	0	0.01137	0	0	0	0.00769	0.00666	0	0
RALY Isoform 1 of RNA-binding protein Raly	IPI00216044	30 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
RHOC Rho-related GTP-binding protein RhoC precursor	IPI00027434	22 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
RPL10 60S ribosomal protein L10	IPI00554723	25 kDa	3	16	5	0	0	0	0.00439	0.02315	0.00711	0	0	0	0.01155	0.01014	0	0
RPL10A 60S ribosomal protein L10a	IPI00412579	25 kDa	15	0	14	0	3	0	0.02193	0	0.01989	0	0.00398	0	0.01394	0.01212	0.00133	0.00230
RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20 kDa	0	0	8	0	2	0	0	0	0.01137	0	0.00265	0	0.00379	0.00656	0.00088	0.00153
RPL12 60S ribosomal protein L12	IPI00024933	18 kDa	5	0	5	0	0	0	0.00731	0	0.00711	0	0	0	0.00481	0.00416	0	0
RPL13A 60S ribosomal protein L13a	IPI00304612	24 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
RPL14 60S ribosomal protein L14	IPI00002821	23 kDa	13	0	7	0	0	0	0.01901	0	0.00995	0	0	0	0.00965	0.00951	0	0
RPL15 60S ribosomal protein L15	IPI00470528	24 kDa	11	0	13	0	0	0	0.01609	0	0.01847	0	0	0	0.01152	0.01005	0	0
RPL17 60S ribosomal protein L17	IPI00413324	21 kDa	3	14	11	0	0	0	0.00439	0.02026	0.01563	0	0	0	0.01343	0.00816	0	0
RPL18 60S ribosomal protein L18	IPI00215719	22 kDa	9	0	12	7	3	0	0.01316	0	0.01705	0.00890	0.00398	0	0.01007	0.00894	0.00429	0.00446
RPL18A 60S ribosomal protein L18a	IPI00026202	21 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583	19 kDa	0	8	5	0	0	0	0	0.01158	0.00711	0	0	0	0.00623	0.00584	0	0
RPL23 60S ribosomal protein L23	IPI00010153	15 kDa	4	19	7	2	2	0	0.00585	0.02749	0.00995	0.00254	0.00265	0	0.01443	0.01150	0.00173	0.00150
RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	18 kDa	0	20	3	0	0	0	0	0.02894	0.00426	0	0	0	0.01107	0.01562	0	0
RPL24 60S ribosomal protein L24	IPI00306332	18 kDa	6	22	5	0	4	0	0.00877	0.03183	0.00711	0	0.00530	0	0.01590	0.01382	0.00177	0.00306
RPL26L1 60S ribosomal protein L26-like 1	IPI00007144	17 kDa	0	2	0	0	0	0	0	0.00289	0	0	0	0	0.00096	0.00167	0	0
RPL27 60S ribosomal protein L27	IPI00219155	16 kDa	0	4	2	0	0	4	0	0.00579	0.00284	0	0	0.00567	0.00288	0.00289	0.00189	0.00328
RPL27A 60S ribosomal protein L27a	IPI00456758	17 kDa	0	10	5	0	8	0	0	0.01447	0.00711	0	0.01061	0	0.00719	0.00724	0.00354	0.00612
RPL3 60S ribosomal protein L3	IPI00550021	46 kDa	2	0	2	0	0	0	0.00292	0	0.00284	0	0	0	0.00192	0.00167	0	0
RPL30 60S ribosomal protein L30	IPI00219156	13 kDa	2	0	3	0	0	0	0.00292	0	0.00426	0	0	0	0.00240	0.00218	0	0
RPL31 60S ribosomal protein L31	IPI00026302	14 kDa	0	10	6	0	0	0	0	0.01447	0.00853	0	0	0	0.00767	0.00727	0	0
RPL32 60S ribosomal protein L32	IPI00395998	16 kDa	0	3	0	0	0	0	0	0.00434	0	0	0	0	0.00145	0.00251	0	0
RPL35 60S ribosomal protein L35	IPI00787131	16 kDa	0	10	6	0	0	0	0	0.01447	0.00853	0	0	0	0.00767	0.00727	0	0
RPL38 60S ribosomal protein L38	IPI00215790	8 kDa	0	4	2	0	0	0	0	0.00579	0.00284	0	0	0	0.00288	0.00289	0	0
RPL4 60S ribosomal protein L4	IPI00003918	48 kDa	5	0	10	0	3	0	0.00731	0	0.01421	0	0.00398	0	0.00717	0.00711	0.00133	0.00230
RPL6 60S ribosomal protein L6	IPI00329389	33 kDa	18	0	16	8	5	0	0.02632	0	0.02274	0.01017	0.00663	0	0.01635	0.01428	0.00560	0.00516
RPL7 60S ribosomal protein L7	IPI00030179	29 kDa	13	0	16	7	8	0	0.01901	0	0.02274	0.00890	0.01061	0	0.01392	0.01219	0.00650	0.00570
RPL7A 60S ribosomal protein L7a	IPI00299573	30 kDa	17	0	19	8	5	0	0.02486	0	0.02700	0.01017	0.00663	0	0.01729	0.01501	0.00560	0.00516
RPL8 60S ribosomal protein L8	IPI00012772	28 kDa	4	0	11	0	7	0	0.00585	0	0.01563	0	0.00928	0	0.00716	0.00790	0.00309	0.00536
RPL9 60S ribosomal protein L9	IPI00031691	22 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
RPLP0 60S acidic ribosomal protein P0	IPI00008530	34 kDa	14	0	10	3	0	0	0.02047	0	0.01421	0.00381	0	0	0.01156	0.01049	0.00127	0.00220
RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	73 kDa	9	0	16	3	3	0	0.01316	0	0.02274	0.00381	0.00398	0	0.01197	0.01142	0.00260	0.00225
RPS11 40S ribosomal protein S11	IPI00025091	18 kDa	0	7	7	0	0	0	0	0.01013	0.00995	0	0	0	0.00669	0.00580	0	0
RPS13 40S ribosomal protein S13	IPI00221089	17 kDa	7	21	15	5	5	0	0.01024	0.03039	0.02132	0.00636	0.00663	0	0.02065	0.01009	0.00433	0.00375
RPS14 40S ribosomal protein S14	IPI00026271	16 kDa	0	7	5	0	7	0	0	0.01013	0.00711	0	0.00928	0	0.00574	0.00520	0.00309	0.00536
RPS15 40S ribosomal protein S15	IPI00216153	17 kDa	0	10	0	0	0	0	0	0.01447	0	0	0	0	0.00482	0.00835	0	0
RPS15A 40S ribosomal protein S15a	IPI00221091	15 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
RPS16 40S ribosomal protein S16	IPI00221092	16 kDa	8	22	9	7	7	0	0.01170	0.03183	0.01279	0.00890	0.00928	0	0.01877	0.01132	0.00606	0.00525
RPS17 40S ribosomal protein S17	IPI00221093	16 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
RPS18 40S ribosomal protein S18	IPI00013296	18 kDa	18	58	27	11	9	4	0.02632	0.08393	0.03837	0.01398	0.01193	0.00567	0.04954	0.03038	0.01053	0.00433

			Unweighted spectrum counts			Unweighted spectrum counts			Normalised spectral counts (%)			Normalised spectral counts (%)			Mean normalised spectral counts (%)			
Identified Proteins (277)	**Accession Number**	**Molecular Weight**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**LX-2 mean**	**LX-2 s.d**	**HFF mean**	**HFF s.d**
RPS2 40S ribosomal protein S2	IPI00013485	31 kDa	12	0	18	2	0	0	0.01755	0	0.02558	0.00254	0	0	0.01438	0.01308	0.00085	0.00147
RPS23 40S ribosomal protein S23	IPI00218606	16 kDa	0	9	9	0	0	0	0	0.01302	0.01279	0	0	0	0.00860	0.00745	0	0
RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750	15 kDa	8	13	0	0	0	0	0.01170	0.01881	0	0	0	0	0.01017	0.00950	0	0
RPS25 40S ribosomal protein S25	IPI00012750	14 kDa	8	22	7	6	6	0	0.01170	0.03183	0.00995	0.00763	0.00795	0	0.01783	0.01216	0.00519	0.00450
RPS26;LOC728937;LOC644166 40S ribosomal protein S26	IPI00655650	13 kDa	0	14	5	0	0	0	0	0.02026	0.00711	0	0	0	0.00912	0.01028	0	0
RPS27 40S ribosomal protein S27	IPI00513971	9 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330	18 kDa	19	0	36	37	29	0	0.02778	0	0.05116	0.04704	0.03845	0	0.02631	0.02561	0.02850	0.02505
RPS29 40S ribosomal protein S29	IPI00182289	7 kDa	0	9	0	0	0	0	0	0.01302	0	0	0	0	0.00434	0.00752	0	0
RPS3 40S ribosomal protein S3	IPI00011253	27 kDa	26	0	21	4	3	0	0.03802	0	0.02984	0.00509	0.00398	0	0.02262	0.02001	0.00302	0.00267
RPS3A 40S ribosomal protein S3a	IPI00419880	30 kDa	2	0	12	0	0	0	0.00292	0	0.01705	0	0	0	0.00666	0.00912	0	0
RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	30 kDa	28	42	33	6	8	0	0.04095	0.06077	0.04689	0.00763	0.01061	0	0.04954	0.01018	0.00608	0.00547
RPS5 40S ribosomal protein S5	IPI00008433	23 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
RPS6 40S ribosomal protein S6	IPI00021840	29 kDa	0	0	6	0	0	0	0	0	0.00853	0	0	0	0.00284	0.00492	0	0
RPS7 40S ribosomal protein S7	IPI00013415	22 kDa	8	4	8	0	0	0	0.01170	0.00579	0.01137	0	0	0	0.00962	0.00332	0	0
RPS8 40S ribosomal protein S8	IPI00216587	24 kDa	9	0	9	0	0	0	0.01316	0	0.01279	0	0	0	0.00865	0.00749	0	0
RPS9 40S ribosomal protein S9	IPI00221088	23 kDa	9	4	26	3	4	0	0.01316	0.00579	0.03695	0.00381	0.00530	0	0.01863	0.01628	0.00304	0.00274
RUVBL1 Isoform 1 of Ruvb-like 1	IPI00021187	50 kDa	0	0	4	0	0	0	0	0	0.00568	0	0	0	0.00189	0.00328	0	0
SAMM50 Sorting and assembly machinery component 50 homolog	IPI00412713	52 kDa	7	0	7	0	0	0	0.01024	0	0.00995	0	0	0	0.00673	0.00583	0	0
SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	45 kDa	2	0	13	0	0	0	0.00292	0	0.01847	0	0	0	0.00713	0.00993	0	0
SERPINF1 Pigment epithelium-derived factor precursor	IPI00006114	46 kDa	0	0	0	0	0	2	0	0	0	0	0	0.00284	0	0	0.00095	0.00164
SERPINH1 Serpin H1 precursor	IPI00032140	46 kDa	2	0	4	2	0	0	0.00292	0	0.00568	0.00254	0	0	0.00287	0.00284	0.00085	0.00147
Serum albumin precursor	IPI00708398	69 kDa	49	228	49	16	18	78	0.07165	0.32992	0.06963	0.02034	0.02386	0.11064	0.15707	0.14970	0.05161	0.05115
SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204	19 kDa	0	4	0	0	0	0	0	0.00579	0	0	0	0	0.00193	0.00334	0	0
SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	34 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
SLC25A13 Mitochondrial aspartate-glutamate carrier protein	IPI00007084	74 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial precursor	IPI00022202	40 kDa	0	0	16	0	0	0	0	0	0.02274	0	0	0	0.00758	0.01313	0	0
SLC25A5 ADP/ATP translocase 2	IPI00007188	33 kDa	28	0	36	0	0	0	0.04095	0	0.05116	0	0	0	0.03070	0.02707	0	0
SLC25A6 ADP/ATP translocase 3	IPI00291467	33 kDa	0	0	29	0	0	0	0	0	0.04121	0	0	0	0.01374	0.02379	0	0
SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPI00017964	14 kDa	3	0	0	0	0	0	0.00439	0	0	0	0	0	0.00146	0.00253	0	0
STAU1 Staufen, RNA binding protein, homolog 1	IPI00641873	55 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
STOM Erythrocyte band 7 integral membrane protein	IPI00219682	32 kDa	18	0	7	6	10	0	0.02632	0	0.00995	0.00763	0.01326	0	0.01209	0.01329	0.00696	0.00665
STT3A Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	IPI00297492	80 kDa	0	0	7	0	0	0	0	0	0.00995	0	0	0	0.00332	0.00574	0	0
SURF4 Isoform 1 of Surfeit locus protein 4	IPI00005737	30 kDa	2	0	13	0	0	0	0.00292	0	0.01847	0	0	0	0.00713	0.00993	0	0
TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	27 kDa	0	24	5	0	0	0	0	0.03473	0.00711	0	0	0	0.01394	0.01835	0	0
TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	75 kDa	57	140	58	19	13	28	0.08335	0.20258	0.08242	0.02416	0.01723	0.03972	0.12278	0.06911	0.02704	0.01151
TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2 (transglutaminase 2)	IPI00294578	77 kDa	14	0	12	37	16	0	0.02047	0	0.01705	0.04704	0.02121	0	0.01251	0.01097	0.02275	0.02356
THBS1 Thrombospondin-1 precursor	IPI00296099	129 kDa	0	0	0	0	0	8	0	0	0	0	0	0.01135	0	0	0.00378	0.00655
THSD4 thrombospondin, type I, domain containing 4	IPI00794391	112 kDa	2	0	0	0	0	0	0.00292	0	0	0	0	0	0.00097	0.00169	0	0
THY1 Thy-1 membrane glycoprotein precursor	IPI00022892	18 kDa	8	0	4	7	9	0	0.01170	0	0.00568	0.00890	0.01193	0	0.00579	0.00585	0.00694	0.00620
TIMP3 Metalloproteinase inhibitor 3 precursor	IPI00218247	24 kDa	0	5	0	0	0	0	0	0.00724	0	0	0	0	0.00241	0.00418	0	0
TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor	IPI00005563	52 kDa	6	0	3	0	0	0	0.00877	0	0.00426	0	0	0	0.00435	0.00439	0	0
TMED10 Transmembrane emp24 domain-containing protein 10 precursor	IPI00028055	25 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
TMEM33 Transmembrane protein 33	IPI00299084	28 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
TMEM43 Transmembrane protein 43	IPI00301280	45 kDa	15	0	21	6	4	0	0.02193	0	0.02984	0.00763	0.00530	0	0.01726	0.01546	0.00431	0.00391
TNC Isoform 1 of Tenascin precursor	IPI00031008	241 kDa	76	295	154	40	30	51	0.11114	0.42687	0.21884	0.05085	0.03977	0.07234	0.25228	0.16050	0.05432	0.01656
TOMM40 Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	IPI00014053	38 kDa	5	0	3	0	0	0	0.00731	0	0.00426	0	0	0	0.00386	0.00367	0	0
TOP2A DNA topoisomerase 2	IPI00178667	183 kDa	6	0	5	0	0	0	0.00877	0	0.00711	0	0	0	0.00529	0.00466	0	0
TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135	33 kDa	5	0	4	7	6	0	0.00731	0	0.00568	0.00890	0.00795	0	0.00433	0.00384	0.00562	0.00489
TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	49 kDa	0	0	3	0	0	0	0	0	0.00426	0	0	0	0.00142	0.00246	0	0
Trypsin - Sus scrofa (Pig).	MAN00000761	24 kDa	36	95	45	55	47	42	0.05264	0.13747	0.06395	0.06992	0.06231	0.05957	0.08469	0.04606	0.06394	0.00536
TUBA1B Tubulin alpha-1B chain	IPI00387144	50 kDa	127	0	160	22	21	0	0.18572	0	0.22737	0.02797	0.02784	0	0.13769	0.12105	0.01860	0.01611
TUBB Tubulin beta chain	IPI00011654	50 kDa	166	5	202	47	36	0	0.24275	0.00724	0.28705	0.05975	0.04773	0	0.17901	0.15040	0.03583	0.03160
TUBB2C Tubulin beta-2C chain	IPI00007752	50 kDa	142	0	176	0	0	0	0.20765	0	0.25010	0	0	0	0.15258	0.13384	0	0
TUBB3 Tubulin beta-3 chain	IPI00013683	50 kDa	101	0	126	0	0	0	0.14770	0	0.17905	0	0	0	0.10892	0.09562	0	0
TUBB6 46 kDa protein	IPI00641706	46 kDa	0	0	95	0	0	0	0	0	0.13500	0	0	0	0.04500	0.07794	0	0
TUBB6 TUBB6 protein	IPI00646779	50 kDa	75	0	89	0	0	0	0.10967	0	0.12647	0	0	0	0.07872	0.06869	0	0
UPF1 Isoform 1 of Regulator of nonsense transcripts 1	IPI00034049	124 kDa	2	0	2	0	0	0	0.00292	0	0.00284	0	0	0	0.00192	0.00167	0	0
VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	31 kDa	38	0	27	7	6	0	0.05557	0	0.03837	0.00890	0.00795	0	0.03131	0.02845	0.00562	0.00489
VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145	38 kDa	16	0	15	7	8	0	0.02340	0	0.02132	0.00890	0.01061	0	0.01490	0.01295	0.00650	0.00570
VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804	31 kDa	14	0	13	7	6	0	0.02047	0	0.01847	0.00890	0.00795	0	0.01298	0.01129	0.00562	0.00489
VIM Vimentin	IPI00418471	54 kDa	97	0	124	75	52	6	0.14185	0	0.17621	0.09535	0.06894	0.00851	0.10602	0.09341	0.05760	0.04452
VTN Vitronectin precursor	IPI00298971	54 kDa	0	0	0	6	0	0	0	0	0	0.00763	0	0	0	0	0.00254	0.00440
WNT5A Protein Wnt-5a precursor	IPI00013178	41 kDa	0	9	2	0	0	0	0	0.01302	0.00284	0	0	0	0.00529	0.00685	0	0
XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834	83 kDa	0	0	2	0	0	0	0	0	0.00284	0	0	0	0.00095	0.00164	0	0
YWHAE 14-3-3 protein epsilon	IPI00000816	29 kDa	7	0	5	0	0	0	0.01024	0	0.00711	0	0	0	0.00578	0.00525	0	0
YWHAZ 14-3-3 protein zeta/delta	IPI00021263	28 kDa	6	0	5	0	0	0	0.00877	0	0.00711	0	0	0	0.00529	0.00466	0	0

Table S5. Hierarchical clustering analysis of proteins identified in LX-2 and HFF CDM purifications (full datasets).

[a] ECM and secreted proteins are highlighted in grey

Gene symbol and protein name[a]	Mean normalised spectral count (%)		Cluster
	LX-2	HFF	
HBA2;HBA1 Hemoglobin subunit alpha	0.0139	0.0356	HFF enriched
FGF2 fibroblast growth factor 2	0.0010	0.0025	HFF enriched
H2AFY H2A histone family, member Y isoform 2	0.0053	0.0126	HFF enriched
HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	0.0824	0.1991	HFF enriched
HSPB1 Heat shock protein beta-1	0.0019	0.0039	HFF enriched
CD44 Isoform 3 of CD44 antigen precursor	0.0020	0.0039	HFF enriched
FN1 fibronectin 1 isoform 4 preproprotein	0.1467	0.5115	HFF enriched
FBLN2 Fibulin-2 precursor	0.0068	0.0302	HFF enriched
MYO1C Myosin-Ic	0.0034	0.0155	HFF enriched
PRKCDBP protein kinase C, delta binding protein	0	0.0008	HFF enriched
SERPINF1 Pigment epithelium-derived factor precursor	0	0.0009	HFF enriched
POSTN Isoform 1 of Periostin precursor	0	0.0013	HFF enriched
EFEMP2 EGF-containing fibulin-like extracellular matrix protein 2 precursor (fibulin 4)	0	0.0026	HFF enriched
ANPEP Aminopeptidase N (CD13)	0	0.0252	HFF enriched
ATP5O ATP synthase subunit O, mitochondrial precursor	0	0.0008	HFF enriched
COL1A2 Collagen alpha-2(I) chain precursor	0	0.0017	HFF enriched
DPT Dermatopontin precursor	0	0.0014	HFF enriched
FBLN1 Isoform B of Fibulin-1 precursor	0	0.0073	HFF enriched
VTN Vitronectin precursor	0	0.0025	HFF enriched
MOXD1 Isoform 1 of DBH-like monooxygenase protein 1 precursor	0	0.0008	HFF enriched
EMILIN1 EMILIN-1 precursor	0	0.0384	HFF enriched
MME Neprilysin (CD10)	0	0.0013	HFF enriched
COL5A2 Collagen alpha-2(V) chain precursor	0	0.0019	HFF enriched
MYO1D Isoform 1 of Myosin-Id	0	0.0009	HFF enriched
MSN Moesin	0	0.0026	HFF enriched
MXRA5 Matrix-remodeling-associated protein 5 precursor (adlican)	0	0.0202	HFF enriched
THBS1 Thrombospondin-1 precursor	0	0.0038	HFF enriched
ADAMTS1 ADAMTS-1 precursor	0	0.0009	HFF enriched
HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	0.0086	0.0725	HFF enriched
SLC25A5 ADP/ATP translocase 2	0.0307	0	LX-2 enriched
SFRS3 Splicing factor, arginine/serine-rich 3	0.0019	0	LX-2 enriched
PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	0.0062	0	LX-2 enriched
BANF1 Barrier-to-autointegration factor	0.0073	0	LX-2 enriched
RPL35 60S ribosomal protein L35	0.0077	0	LX-2 enriched
PHB Prohibitin	0.0033	0	LX-2 enriched
PHB2 Prohibitin-2	0.0086	0	LX-2 enriched
C4A Complement C4-A precursor	0.0019	0	LX-2 enriched
RPS3A 40S ribosomal protein S3a	0.0067	0	LX-2 enriched
HTRA1 Serine protease HTRA1 precursor	0.0039	0	LX-2 enriched
SLC25A6 ADP/ATP translocase 3	0.0137	0	LX-2 enriched
RPS11 40S ribosomal protein S11	0.0067	0	LX-2 enriched
CPZ Isoform 1 of Carboxypeptidase Z precursor	0.0039	0	LX-2 enriched
RPS24 Isoform 1 of 40S ribosomal protein S24	0.0102	0	LX-2 enriched
LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	0.0472	0	LX-2 enriched
LGALS1 Galectin-1	0.0010	0	LX-2 enriched
LAMB1 Laminin subunit beta-1 precursor	0.0073	0	LX-2 enriched
ANXA5 Annexin A5	0.0039	0	LX-2 enriched
TUBB3 Tubulin beta-3 chain	0.1089	0	LX-2 enriched
ARPC3 Actin-related protein 2/3 complex subunit 3	0.0058	0	LX-2 enriched
RPL26L1 60S ribosomal protein L26-like 1	0.0010	0	LX-2 enriched
IGFBP5 Insulin-like growth factor-binding protein 5 precursor	0.0010	0	LX-2 enriched
RPL21;LOC729402;LOC731567 60S ribosomal protein L21	0.0062	0	LX-2 enriched
RPS26;LOC728937;LOC644166 40S ribosomal protein S26	0.0091	0	LX-2 enriched
NID1 Isoform 1 of Nidogen-1 precursor	0.0121	0	LX-2 enriched
EEF2 Elongation factor 2	0.0015	0	LX-2 enriched
LMNB1 Lamin-B1	0.0015	0	LX-2 enriched
NCL Isoform 1 of Nucleolin	0.0010	0	LX-2 enriched
GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	0.0020	0	LX-2 enriched
RPL3 60S ribosomal protein L3	0.0019	0	LX-2 enriched
PABPC1 Isoform 1 of Polyadenylate-binding protein 1	0.0010	0	LX-2 enriched
EIF3A Eukaryotic translation initiation factor 3 subunit 10	0.0010	0	LX-2 enriched
RPL13A 60S ribosomal protein L13a	0.0015	0	LX-2 enriched
ANXA1 Annexin A1	0.0010	0	LX-2 enriched
PCBP2 poly(rC)-binding protein 2 isoform a	0.0010	0	LX-2 enriched
LAMC1 Laminin subunit gamma-1 precursor	0.0020	0	LX-2 enriched
BCAM Lutheran blood group glycoprotein precursor (CD239 - laminin receptor)	0.0010	0	LX-2 enriched
ATAD3A ATPase family, AAA domain containing 3A	0.0024	0	LX-2 enriched
TUBB6 46 kDa protein	0.0450	0	LX-2 enriched
RAB1A Isoform 1 of Ras-related protein Rab-1A	0.0077	0	LX-2 enriched
RPS7 40S ribosomal protein S7	0.0096	0	LX-2 enriched
FLNA Filamin-A	0.0115	0	LX-2 enriched
KRT18 Keratin, type I cytoskeletal 18	0.0091	0	LX-2 enriched
RPL31 60S ribosomal protein L31	0.0077	0	LX-2 enriched
WNT5A Protein Wnt-5a precursor	0.0053	0	LX-2 enriched
RPL15 60S ribosomal protein L15	0.0115	0	LX-2 enriched
CLTC Isoform 1 of Clathrin heavy chain 1	0.0043	0	LX-2 enriched
AGRN Agrin precursor	0.0140	0	LX-2 enriched
CSNK2A1 Casein kinase II subunit alpha	0.0038	0	LX-2 enriched
GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	0.0038	0	LX-2 enriched
EIF4A3 Eukaryotic initiation factor 4A-III	0.0077	0	LX-2 enriched
LAMB2 Laminin subunit beta-2 precursor	0.0010	0	LX-2 enriched
RPL10 60S ribosomal protein L10	0.0115	0	LX-2 enriched
EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	0.0043	0	LX-2 enriched
RPL17 60S ribosomal protein L17	0.0134	0	LX-2 enriched
COX5A Cytochrome c oxidase subunit 5A, mitochondrial precursor	0.0010	0	LX-2 enriched
SNRPD3 Small nuclear ribonucleoprotein Sm D3	0.0015	0	LX-2 enriched
HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	0.0096	0	LX-2 enriched
PDIA3 Protein disulfide-isomerase A3 precursor	0.0039	0	LX-2 enriched
IMMT Isoform 1 of Mitochondrial inner membrane protein	0.0115	0	LX-2 enriched
CAV1 Caveolin	0.0125	0	LX-2 enriched
COL5A1 Collagen alpha-1(V) chain precursor	0.0077	0	LX-2 enriched
PRPF8 Pre-mRNA-processing-splicing factor 8	0.0020	0	LX-2 enriched
CPNE2 Copine II	0.0010	0	LX-2 enriched
MYADM Myeloid-associated differentiation marker	0.0024	0	LX-2 enriched
STAU1 Staufen, RNA binding protein, homolog 1	0.0010	0	LX-2 enriched
THSD4 thrombospondin, type I, domain containing 4	0.0010	0	LX-2 enriched
UPF1 Isoform 1 of Regulator of nonsense transcripts 1	0.0019	0	LX-2 enriched
CFL1 Cofilin-1	0.0024	0	LX-2 enriched
BST1 ADP-ribosyl cyclase 2 precursor	0.0015	0	LX-2 enriched
PPIB peptidylprolyl isomerase B precursor	0.0010	0	LX-2 enriched
SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	0.0010	0	LX-2 enriched
GANAB Isoform 1 of Neutral alpha-glucosidase AB precursor	0.0010	0	LX-2 enriched
HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	0.0106	0	LX-2 enriched
LAMA5 Laminin subunit alpha-5 precursor	0.0179	0	LX-2 enriched
PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	0.0135	0	LX-2 enriched
SAMM50 Sorting and assembly machinery component 50 homolog	0.0067	0	LX-2 enriched
ATP5J2 Isoform 1 of ATP synthase f chain, mitochondrial	0.0014	0	LX-2 enriched
HBB Hemoglobin subunit beta	0.0071	0	LX-2 enriched
GSN Isoform 1 of Gelsolin precursor	0.0033	0	LX-2 enriched
HADHA Trifunctional enzyme subunit alpha, mitochondrial precursor	0.0063	0	LX-2 enriched
TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor	0.0043	0	LX-2 enriched
RPS6 40S ribosomal protein S6	0.0028	0	LX-2 enriched
RPL14 60S ribosomal protein L14	0.0097	0	LX-2 enriched
CAPZA1 F-actin-capping protein subunit alpha-1	0.0015	0	LX-2 enriched
TOMM40 Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	0.0039	0	LX-2 enriched
RPL12 60S ribosomal protein L12	0.0048	0	LX-2 enriched
EDIL3 Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor (DEL1)	0.0039	0	LX-2 enriched
MGST3 Microsomal glutathione S-transferase 3	0.0033	0	LX-2 enriched
COL4A2 Collagen alpha-2(IV) chain precursor	0.0014	0	LX-2 enriched
STT3A Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	0.0033	0	LX-2 enriched
PTRF Isoform 1 of Polymerase I and transcript release factor	0.0111	0	LX-2 enriched

Gene symbol and protein name[a]	Mean normalised spectral count (%) LX-2	HFF	Cluster
MYL9 Myosin regulatory light chain 2, smooth muscle isoform	0.0066	0	LX-2 enriched
TIMP3 Metalloproteinase inhibitor 3 precursor	0.0024	0	LX-2 enriched
HSPD1 60 kDa heat shock protein, mitochondrial precursor	0.0014	0	LX-2 enriched
TFPI2 Tissue factor pathway inhibitor 2 precursor	0.0139	0	LX-2 enriched
ARF1 ADP-ribosylation factor 1	0.0033	0	LX-2 enriched
GREM1 Isoform 1 of Gremlin-1 precursor	0.0024	0	LX-2 enriched
RPS15 40S ribosomal protein S15	0.0048	0	LX-2 enriched
TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	0.0014	0	LX-2 enriched
TMEM33 Transmembrane protein 33	0.0009	0	LX-2 enriched
XRCC5 ATP-dependent DNA helicase 2 subunit 2	0.0009	0	LX-2 enriched
LAMA4 Isoform 1 of Laminin subunit alpha-4 precursor	0.0019	0	LX-2 enriched
DDX5 Probable ATP-dependent RNA helicase DDX5	0.0019	0	LX-2 enriched
RUVBL1 Isoform 1 of RuvB-like 1	0.0019	0	LX-2 enriched
RPL18A 60S ribosomal protein L18a	0.0009	0	LX-2 enriched
RPS15A 40S ribosomal protein S15a	0.0019	0	LX-2 enriched
COL4A1 Collagen alpha-1(IV) chain precursor	0.0019	0	LX-2 enriched
RALY Isoform 1 of RNA-binding protein Raly	0.0009	0	LX-2 enriched
RPS27 40S ribosomal protein S27	0.0019	0	LX-2 enriched
CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	0.0019	0	LX-2 enriched
RPS5 40S ribosomal protein S5	0.0019	0	LX-2 enriched
PHGDH D-3-phosphoglycerate dehydrogenase	0.0009	0	LX-2 enriched
BCAP31 B-cell receptor-associated protein 31	0.0009	0	LX-2 enriched
SURF4 Isoform 1 of Surfeit locus protein 4	0.0071	0	LX-2 enriched
CS citrate synthase precursor, isoform b	0.0009	0	LX-2 enriched
HSP90AB1 85 kDa protein	0.0062	0	LX-2 enriched
MFI2 Isoform 1 of Melanotransferrin precursor	0.0009	0	LX-2 enriched
RPS8 40S ribosomal protein S8	0.0087	0	LX-2 enriched
PRSS23 Serine protease 23 precursor	0.0246	0	LX-2 enriched
ABCD3 ATP-binding cassette sub-family D member 3	0.0068	0	LX-2 enriched
HADHB Trifunctional enzyme beta subunit, mitochondrial precursor	0.0009	0	LX-2 enriched
SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial precursor	0.0076	0	LX-2 enriched
HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	0.0029	0	LX-2 enriched
YWHAZ 14-3-3 protein zeta/delta	0.0053	0	LX-2 enriched
PFKP 6-phosphofructokinase type C	0.0043	0	LX-2 enriched
SLC25A13 Mitochondrial aspartate-glutamate carrier protein	0.0009	0	LX-2 enriched
PRDX1 Peroxiredoxin-1	0.0009	0	LX-2 enriched
DDX3X ATP-dependent RNA helicase DDX3X	0.0048	0	LX-2 enriched
RHOC Rho-related GTP-binding protein RhoC precursor	0.0009	0	LX-2 enriched
ENTPD4;LOXL2 Lysyl oxidase homolog 2 precursor	0.0009	0	LX-2 enriched
TMED10 Transmembrane emp24 domain-containing protein 10 precursor	0.0009	0	LX-2 enriched
RPS29 40S ribosomal protein S29	0.0043	0	LX-2 enriched
MVP Major vault protein	0.0220	0	LX-2 enriched
RPL9 60S ribosomal protein L9	0.0019	0	LX-2 enriched
RPL30 60S ribosomal protein L30	0.0024	0	LX-2 enriched
ATP5C1 Isoform Liver of ATP synthase gamma chain, mitochondrial precursor	0.0019	0	LX-2 enriched
HNRPH1 Heterogeneous nuclear ribonucleoprotein H	0.0009	0	LX-2 enriched
RPS17 40S ribosomal protein S17	0.0019	0	LX-2 enriched
HNRNPU Heterogeneous nuclear ribonucleoprotein U	0.0038	0	LX-2 enriched
H2BFS Histone H2B	0.0009	0	LX-2 enriched
SERPINE1 Plasminogen activator inhibitor 1 precursor	0.0071	0	LX-2 enriched
MPHOSPH1 Isoform 1 of M-phase phosphoprotein 1	0.0009	0	LX-2 enriched
RPS23 40S ribosomal protein S23	0.0086	0	LX-2 enriched
TOP2A DNA topoisomerase 2	0.0053	0	LX-2 enriched
ERLIN1 ER lipid raft associated 1	0.0049	0	LX-2 enriched
TUBB6 TUBB6 protein	0.0787	0	LX-2 enriched
ACTR2 Actin-related protein 2	0.0058	0	LX-2 enriched
EGFL7 EGF-like domain-containing protein 7 precursor (VE-statin)	0.0048	0	LX-2 enriched
PFN1 Profilin-1	0.0053	0	LX-2 enriched
CPNE1 Copine-1	0.0057	0	LX-2 enriched
YWHAE 14-3-3 protein epsilon	0.0058	0	LX-2 enriched
RPL38 60S ribosomal protein L38	0.0029	0	LX-2 enriched
CLEC3B Putative uncharacterized protein DKFZp686H17246 [tetranectin(plasminogen binding protein)]	0.0014	0	LX-2 enriched
RPL32 60S ribosomal protein L32	0.0014	0	LX-2 enriched
EIF4A1 Eukaryotic initiation factor 4A-I	0.0110	0	LX-2 enriched
RPL23A;hCG_16001 60S ribosomal protein L23a	0.0111	0	LX-2 enriched
CYR61 Protein CYR61 precursor	0.0202	0	LX-2 enriched
KRT8 Keratin, type II cytoskeletal 8	0.0096	0	LX-2 enriched
TUBB2C Tubulin beta-2C chain	0.1526	0	LX-2 enriched
KRT14 Keratin, type I cytoskeletal 14	0.0130	0	LX-2 enriched
FBN1 312 kDa protein (fibrillin 1)	0.2693	0.0133	LX-2 enriched
RPS2 40S ribosomal protein S2	0.0144	0.0008	LX-2 enriched
GAPDH Glyceraldehyde-3-phosphate dehydrogenase	0.0072	0.0013	LX-2 enriched
VDAC1 Voltage-dependent anion-selective channel protein 1	0.0313	0.0056	LX-2 enriched
RPL4 60S ribosomal protein L4	0.0072	0.0013	LX-2 enriched
RPS9 40S ribosomal protein S9	0.0186	0.0030	LX-2 enriched
GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	0.0087	0.0013	LX-2 enriched
KRT5 Keratin, type II cytoskeletal 5	0.0096	0.0014	LX-2 enriched
FLOT2 flotillin 2	0.0265	0.0039	LX-2 enriched
COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	0.1201	0.0175	LX-2 enriched
EEF1A1 Elongation factor 1-alpha 1	0.0340	0.0040	LX-2 enriched
RPL23 60S ribosomal protein L23	0.0144	0.0017	LX-2 enriched
RPS4X 40S ribosomal protein S4, X isoform	0.0495	0.0061	LX-2 enriched
RPL24 60S ribosomal protein L24	0.0159	0.0018	LX-2 enriched
RPLP0 60S acidic ribosomal protein P0	0.0116	0.0013	LX-2 enriched
TUBA1B Tubulin alpha-1B chain	0.1377	0.0186	LX-2 enriched
RPS3 40S ribosomal protein S3	0.0226	0.0030	LX-2 enriched
FBN2 fibrillin 2 precursor	0.0443	0.0039	LX-2 enriched
RPL10A 60S ribosomal protein L10a	0.0139	0.0013	LX-2 enriched
ACTR3 Actin-related protein 3	0.0087	0.0008	LX-2 enriched
RPL11 Isoform 1 of 60S ribosomal protein L11	0.0038	0.0009	LX-2 enriched
ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	0.0115	0.0026	LX-2 enriched
TMEM43 Transmembrane protein 43	0.0173	0.0043	LX-2 enriched
KRT10 Keratin, type I cytoskeletal 10	0.0753	0.0182	LX-2 enriched
RPS13 40S ribosomal protein S13	0.0206	0.0043	LX-2 enriched
RPS18 40S ribosomal protein S18	0.0495	0.0105	LX-2 enriched
TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	0.1228	0.0270	LX-2 enriched
TNC Isoform 1 of Tenascin precursor	0.2523	0.0543	LX-2 enriched
RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	0.0120	0.0026	LX-2 enriched
TUBB Tubulin beta chain	0.1790	0.0358	LX-2 enriched
ARPC2 Actin-related protein 2/3 complex subunit 2	0.0029	0.0009	LX-2 enriched
ATP5B ATP synthase subunit beta, mitochondrial precursor	0.0162	0.0048	LX-2 enriched
RPS25 40S ribosomal protein S25	0.0178	0.0052	LX-2 enriched
KRT2 Keratin, type II cytoskeletal 2 epidermal	0.0632	0.0187	LX-2 enriched
SERPINH1 Serpin H1 precursor	0.0029	0.0008	LX-2 enriched
FLOT1 Flotillin-1	0.0231	0.0069	LX-2 enriched
DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	0.0063	0.0017	LX-2 enriched
RPS16 40S ribosomal protein S16	0.0188	0.0061	LX-2 enriched
RPL7A 60S ribosomal protein L7a	0.0173	0.0056	LX-2 enriched
Serum albumin precursor	0.1571	0.0516	LX-2 enriched
ACTN1 Alpha-actinin-1	0.0038	0.0013	LX-2 enriched
RPL6 60S ribosomal protein L6	0.0164	0.0056	LX-2 enriched
LMNA Isoform A of Lamin-A/C	0.0081	0.0030	HFF and LX-2 Shared
KRT1 Keratin, type II cytoskeletal 1	0.1866	0.0730	HFF and LX-2 Shared
VDAC2 Voltage-dependent anion-selective channel protein 2	0.0149	0.0065	HFF and LX-2 Shared
VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	0.0130	0.0056	HFF and LX-2 Shared
RPL8 60S ribosomal protein L8	0.0072	0.0031	HFF and LX-2 Shared
RPL18 60S ribosomal protein L18	0.0101	0.0043	HFF and LX-2 Shared
ANXA6 Annexin A6	0.0288	0.0134	HFF and LX-2 Shared
RPL7 60S ribosomal protein L7	0.0139	0.0065	HFF and LX-2 Shared
ANXA2 Annexin A2	0.0058	0.0026	HFF and LX-2 Shared
A2M Alpha-2-macroglobulin precursor	0.0063	0.0028	HFF and LX-2 Shared
ERLIN2 Isoform 1 of Erlin-2 precursor	0.0116	0.0056	HFF and LX-2 Shared
RPL27A 60S ribosomal protein L27a	0.0072	0.0035	HFF and LX-2 Shared
KRT6A Keratin, type II cytoskeletal 6A	0.0106	0.0055	HFF and LX-2 Shared
VIM Vimentin	0.1060	0.0576	HFF and LX-2 Shared

Gene symbol and protein name[a]	Mean normalised spectral count (%) LX-2	HFF	Cluster
RPS14 40S ribosomal protein S14	0.0057	0.0031	HFF and LX-2 Shared
RPL27 60S ribosomal protein L27	0.0029	0.0019	HFF and LX-2 Shared
NT5E 5'-nucleotidase precursor	0.0198	0.0125	HFF and LX-2 Shared
NID2 Nidogen-2 precursor	0.0087	0.0052	HFF and LX-2 Shared
MYH10 Isoform 1 of Myosin-10	0.0597	0.0364	HFF and LX-2 Shared
STOM Erythrocyte band 7 integral membrane protein	0.0121	0.0070	HFF and LX-2 Shared
H2AFV Histone H2AV	0.0202	0.0159	HFF and LX-2 Shared
COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	0.0475	0.0377	HFF and LX-2 Shared
COL6A3 alpha 3 type VI collagen isoform 1 precursor	0.4003	0.3190	HFF and LX-2 Shared
KRT9 Keratin, type I cytoskeletal 9	0.0834	0.0592	HFF and LX-2 Shared
ARPC4 Actin-related protein 2/3 complex subunit 4	0.0019	0.0013	HFF and LX-2 Shared
Trypsin - Sus scrofa (Pig).	0.0847	0.0639	HFF and LX-2 Shared
CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	0.0131	0.0095	HFF and LX-2 Shared
MYH9 Myosin-9	0.3314	0.3178	HFF and LX-2 Shared
COL1A1 Collagen alpha-1(I) chain precursor	0.0115	0.0113	HFF and LX-2 Shared
C3 Complement C3 precursor (Fragment)	0.0033	0.0033	HFF and LX-2 Shared
HIST2H2BE Histone H2B type 2-E	0.0631	0.0623	HFF and LX-2 Shared
THY1 Thy-1 membrane glycoprotein precursor	0.0058	0.0069	HFF and LX-2 Shared
HIST1H2BL Histone H2B type 1-L	0.0640	0.0768	HFF and LX-2 Shared
TPM1 Isoform 3 of Tropomyosin alpha-1 chain	0.0043	0.0056	HFF and LX-2 Shared
HIST1H2AH Histone H2A type 1-H	0.0424	0.0463	HFF and LX-2 Shared
RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	0.0263	0.0285	HFF and LX-2 Shared
HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor (perlecan)	0.0540	0.0934	HFF and LX-2 Shared
TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2 (transglutaminase 2)	0.0125	0.0228	HFF and LX-2 Shared
ACTA1 Actin, alpha skeletal muscle	0.0642	0.1184	HFF and LX-2 Shared
HIST1H1B Histone H1.5	0.0144	0.0233	HFF and LX-2 Shared
HIST1H1D Histone H1.3	0.0163	0.0260	HFF and LX-2 Shared
MYL6 Isoform Non-muscle of Myosin light polypeptide 6	0.0177	0.0248	HFF and LX-2 Shared
ACTB Actin, cytoplasmic 1	0.1258	0.1824	HFF and LX-2 Shared

Table S6. Statistical analysis of abundance changes of proteins identified in LX-2 and HFF CDM purifications

Qspec output. FDR≤5% estimated if Bayes Factor ≥10 and Fold change ≥1.5 or ≤-1.5

Positive Fold changes are enriched to LX-2 and negative fold changes are enriched to HFF and values are represented as Ln(fold change)

All ECM and secreted proteins are highlighted in grey

		Unweighted spectrum counts			Unweighted spectrum counts					
Identified Proteins (277)	**Accession Number**	**LX-2 repeat 1**	**LX-2 repeat 2**	**LX-2 repeat 3**	**HFF repeat 1**	**HFF repeat 2**	**HFF repeat 3**	**Bayes Factor**	**Fold Change**	**Significant**
A2M Alpha-2-macroglobulin precursor	IPI00478003	0	13	0	0	0	6	0.395	0.159	
ABCD3 ATP-binding cassette sub-family D member 3	IPI00002372	11	0	3	0	0	0	30.262	3.049	Yes
ACTA1 Actin, alpha skeletal muscle	IPI00021428	55	0	79	148	126	0	0.118	-0.166	
ACTB Actin, cytoplasmic 1	IPI00021439	118	7	137	209	176	34	17.169	-0.796	
ACTN1 Alpha-actinin-1	IPI00013508	4	0	4	3	0	0	0.662	1.071	
ACTR2 Actin-related protein 2	IPI00005159	7	0	5	0	0	0	51.992	3.134	Yes
ACTR3 Actin-related protein 3	IPI00028091	10	0	8	2	0	0	38.062	2.094	Yes
ADAMTS1 ADAMTS-1 precursor	IPI00005908	0	0	0	0	2	0	1.874	-1.66	
AGRN Agrin precursor	IPI00374563	16	0	13	0	0	0	4250.098	3.564	Yes
ANPEP Aminopeptidase N (CD13)	IPI00221224	0	0	0	25	33	0	24352.715	-3.845	Yes
ANXA1 Annexin A1	IPI00218918	2	0	0	0	0	0	1.777	1.711	
ANXA2 Annexin A2	IPI00455315	6	0	6	4	2	0	0.987	0.745	
ANXA5 Annexin A5	IPI00329801	6	0	2	0	0	0	11.323	2.822	Yes
ANXA6 Annexin A6	IPI00221226	26	0	34	14	17	0	3.678	0.443	
ARF1 ADP-ribosylation factor 1	IPI00215914	0	0	7	0	0	0	5.579	2.266	
ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	3	0	3	0	2	0	1.105	1.169	
ARPC3 Actin-related protein 2/3 complex subunit 3	IPI00005162	6	0	6	0	0	0	75.441	3.072	Yes
ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811	0	0	4	0	3	0	0.503	0.142	
ATAD3A ATPase family, AAA domain containing 3A	IPI00646144	3	0	2	0	0	0	4.277	2.442	
ATP5A1 ATP synthase subunit alpha, mitochondrial precursor	IPI00440493	8	0	16	3	3	0	18.459	1.199	
ATP5B ATP synthase subunit beta, mitochondrial precursor	IPI00303476	9	0	25	6	5	0	4.729	0.815	
ATP5C1 Isoform Liver of ATP synthase gamma chain, mitochondrial precursor	IPI00478410	0	0	4	0	0	0	2.743	2.211	
ATP5J2 Isoform 1 of ATP synthase f chain, mitochondrial	IPI00220300	0	0	3	0	0	0	2.112	2.037	
ATP5O ATP synthase subunit O, mitochondrial precursor	IPI00007611	0	0	0	2	0	0	1.755	-1.81	
BANF1 Barrier-to-autointegration factor	IPI00026087	15	0	0	0	0	0	4.413	2.389	
BCAM Lutheran blood group glycoprotein precursor (CD239 - laminin receptor)	IPI00002406	2	0	0	0	0	0	1.777	1.711	
BCAP31 B-cell receptor-associated protein 31	IPI00218200	0	0	2	0	0	0	1.842	1.687	
BST1 ADP-ribosyl cyclase 2 precursor	IPI00026240	3	0	0	0	0	0	2.118	2.018	
C3 Complement C3 precursor (Fragment)	IPI00783987	0	2	5	0	0	7	0.515	0.358	
C4A Complement C4-A precursor	IPI00032258	0	4	0	0	0	0	3.335	2.143	
CAPZA1 F-actin-capping protein subunit alpha-1	IPI00005969	3	0	0	0	0	0	2.118	2.018	
CAV1 Caveolin	IPI00853146	12	0	14	0	0	0	2001.603	3.564	Yes
CD44 Isoform 3 of CD44 antigen precursor	IPI00827650	4	0	0	4	5	0	0.758	-0.967	
CFL1 Cofilin-1	IPI00012011	0	0	5	0	0	0	3.199	2.301	
CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	IPI00015833	0	0	4	0	0	0	2.743	2.211	
CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318	19	0	8	12	10	0	0.307	0.01	
CLEC3B Putative uncharacterized protein DKFZp686H17246 [tetranectin(plasminogen binding protein)]	IPI00792115	0	3	0	0	0	0	2.532	2.128	
CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067	4	0	5	0	0	0	13.098	2.672	Yes
COL12A1 Isoform 1 of Collagen alpha-1(XII) chain precursor	IPI00329573	91	0	160	0	0	37	140.896	2.113	Yes
COL1A1 Collagen alpha-1(I) chain precursor	IPI00297646	11	0	13	9	3	13	0.459	-0.137	
COL1A2 Collagen alpha-2(I) chain precursor	IPI00304962	0	0	0	4	0	0	5.975	-2.047	
COL4A1 Collagen alpha-1(IV) chain precursor	IPI00844360	0	0	4	0	0	0	2.743	2.211	
COL4A2 Collagen alpha-2(IV) chain precursor	IPI00306322	0	0	3	0	0	0	2.112	2.037	
COL5A1 Collagen alpha-1(V) chain precursor	IPI00844090	8	0	8	0	0	0	283.124	3.207	Yes
COL5A2 Collagen alpha-2(V) chain precursor	IPI00739099	0	0	0	0	0	4	1.216	-2.604	
COL6A1 Collagen alpha-1(VI) chain precursor	IPI00291136	42	36	34	19	31	58	0.627	0.109	
COL6A2 Isoform 2C2 of Collagen alpha-2(VI) chain precursor	IPI00304840	22	37	40	27	23	34	0.997	0.155	
COL6A3 alpha 3 type VI collagen isoform 1 precursor	IPI00022200	222	256	356	199	193	316	2.004	0.16	
COX5A Cytochrome c oxidase subunit 5A, mitochondrial precursor	IPI00025086	2	0	0	0	0	0	1.777	1.711	
CPNE1 Copine-1	IPI00018452	3	0	9	0	0	0	26.107	3.173	Yes
CPNE2 Copine II	IPI00645310	2	0	0	0	0	0	1.777	1.711	
CPZ Isoform 1 of Carboxypeptidase Z precursor	IPI00396391	0	8	0	0	0	0	4.417	2.439	
CS citrate synthase precursor, isoform b	IPI00383539	0	0	2	0	0	0	1.842	1.687	
CSNK2A1 Casein kinase II subunit alpha	IPI00744507	4	0	4	0	0	0	13.981	2.895	Yes
CYR61 Protein CYR61 precursor	IPI00299219	0	39	3	0	0	0	47.803	3.337	Yes
DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084	8	0	5	2	2	0	2.772	1.089	
DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	4	0	6	0	0	0	23.265	2.878	Yes
DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	0	0	4	0	0	0	2.743	2.211	
DPT Dermatopontin precursor	IPI00292130	0	0	0	0	0	3	3.177	-1.892	
EDIL3 Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3 precursor (DEL1)	IPI00306046	0	8	0	0	0	0	4.417	2.439	
EEF1A1 Elongation factor 1-alpha 1	IPI00396485	28	0	43	0	9	0	128.041	2.04	Yes
EEF2 Elongation factor 2	IPI00186290	3	0	0	0	0	0	2.118	2.018	
EFEMP2 EGF-containing fibulin-like extracellular matrix protein 2 precursor (fibulin 4)	IPI00296058	0	0	0	4	2	0	4.332	-2.815	
EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519	6	0	3	0	0	0	17.613	2.854	Yes
EGFL7 EGF-like domain-containing protein 7 precursor (VE-statin)	IPI00383960	8	0	2	0	0	0	20.367	3.038	Yes
EIF3A Eukaryotic translation initiation factor 3 subunit 10	IPI00029012	2	0	0	0	0	0	1.777	1.711	
EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491	9	0	14	0	0	0	1148.851	3.272	Yes

Identified Proteins (277)	Accession Number	Unweighted spectrum counts			Unweighted spectrum counts			Bayes Factor	Fold Change	Significant
		LX-2 repeat 1	LX-2 repeat 2	LX-2 repeat 3	HFF repeat 1	HFF repeat 2	HFF repeat 3			
EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	8	0	8	0	0	0	283.124	3.207	Yes
EMILIN1 EMILIN-1 precursor	IPI00013079	0	0	0	44	34	10	136515.475	-4.74	Yes
ENTPD4;LOXL2 Lysyl oxidase homolog 2 precursor	IPI00782994	0	0	2	0	0	0	1.842	1.687	
ERLIN1 ER lipid raft associated 1	IPI00007940	10	0	0	0	0	0	5.194	2.585	
ERLIN2 Isoform 1 of Erlin-2 precursor	IPI00026942	14	0	10	7	6	0	0.87	0.538	
FBLN1 Isoform B of Fibulin-1 precursor	IPI00218803	0	0	0	9	8	0	304.689	-3.481	Yes
FBLN2 Fibulin-2 precursor	IPI00023824	12	0	2	41	29	0	126.078	-1.355	
FBN1 312 kDa protein (fibrillin 1)	IPI00784458	188	218	153	20	11	0	2.82852E+12	3.067	Yes
FBN2 fibrillin 2 precursor	IPI00019439	28	35	29	6	3	0	540382.66	2.41	Yes
FGF2 fibroblast growth factor 2	IPI00154603	2	0	0	6	0	0	0.963	-0.666	
FLNA Filamin-A	IPI00333541	10	0	14	0	0	0	1439.766	3.501	Yes
FLOT1 Flotillin-1	IPI00027438	23	0	25	8	8	0	25.428	0.88	
FLOT2 flotillin 2	IPI00789008	30	0	25	4	5	0	560.851	1.469	Yes
FN1 fibronectin 1 isoform 4 preproprotein	IPI00414283	164	0	141	584	545	49	0.009	-2.04	
GANAB Isoform 1 of Neutral alpha-glucosidase AB precursor	IPI00383581	2	0	0	0	0	0	1.777	1.711	
GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	5	0	10	3	0	0	4.07	1.498	
GNAI2 Isoform 1 of Guanine nucleotide-binding protein G(i), alpha-2 subunit	IPI00748145	12	0	6	0	3	0	9.582	1.727	
GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	4	0	4	0	0	0	13.981	2.895	Yes
GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	4	0	0	0	0	0	3.804	2.112	
GREM1 Isoform 1 of Gremlin-1 precursor	IPI00298476	0	5	0	0	0	0	4.152	2.267	
GSN Isoform 1 of Gelsolin precursor	IPI00026314	2	0	5	0	0	0	6.418	2.754	
H2AFV Histone H2AV	IPI00018278	21	0	21	0	36	0	1.255	1.818	
H2AFY H2A histone family, member Y isoform 2	IPI00059366	3	0	8	13	16	0	7.585	-0.916	
H2BFS Histone H2B	IPI00745513	0	0	2	0	0	0	1.842	1.687	
HADHA Trifunctional enzyme subunit alpha, mitochondrial precursor	IPI00031522	11	0	2	0	0	0	15.793	3.302	Yes
HADHB Trifunctional enzyme beta subunit, mitochondrial precursor	IPI00022793	0	0	2	0	0	0	1.842	1.687	
HBA2;HBA1 Hemoglobin subunit alpha	IPI00410714	4	11	14	12	22	44	17.648	-1.003	
HBB Hemoglobin subunit beta	IPI00654755	0	5	10	0	0	0	141.741	3.414	Yes
HIST1H1B Histone H1.5	IPI00217468	17	0	13	30	24	0	3.296	-0.426	
HIST1H1D Histone H1.3	IPI00217466	16	0	18	31	29	0	0.417	-0.387	
HIST1H2AH Histone H2A type 1-H	IPI00081836	47	9	32	55	52	0	0.048	0.404	
HIST1H2BL Histone H2B type 1-L	IPI00018534	76	0	57	87	86	4	0.017	-0.407	
HIST1H3F;HIST1H3E;HIST1H3H;HIST1H3J;HIST1H3B;HIST1H3A;HIST1H3I;HIST1H3C;HIST1H3G;HIST1H3D;HIST1H2BN Histone H3.1	IPI00465070	8	0	10	71	66	28	131962.716	-2.043	Yes
HIST1H4F;HIST2H4B;HIST1H4L;HIST1H4I;HIST1H4A;HIST1H4J;HIST1H4K;HIST1H4D;HIST1H4E;HIST1H4C;HIST4H4;HIST1H4H;HIST1H4B;HIST2H4A Histone H4	IPI00453473	93	11	67	193	168	91	90877.755	-1.478	
HIST2H2BE Histone H2B type 2-E	IPI00003935	74	0	57	73	71	0	0.723	-0.045	
HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592	12	0	8	0	0	0	732.979	3.671	Yes
HNRNPU Heterogeneous nuclear ribonucleoprotein U	IPI00644224	0	0	8	0	0	0	5.344	2.593	
HNRPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881	0	0	2	0	0	0	1.842	1.687	
HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903	3	0	3	0	0	0	5.383	2.72	
HSP90AB1 85 kDa protein	IPI00334775	4	0	9	0	0	0	59.336	3.233	Yes
HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	12	0	10	0	0	0	1261.608	3.521	Yes
HSPB1 Heat shock protein beta-1	IPI00025512	0	0	4	4	5	0	1.097	-0.94	
HSPD1 60 kDa heat shock protein, mitochondrial precursor	IPI00784154	0	0	3	0	0	0	2.112	2.037	
HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor (perlecan)	IPI00024284	66	0	46	112	104	0	0.54	-0.209	
HTRA1 Serine protease HTRA1 precursor	IPI00003176	0	8	0	0	0	0	4.417	2.439	
IGFBP5 Insulin-like growth factor-binding protein 5 precursor	IPI00029236	0	2	0	0	0	0	1.684	1.883	
IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960	7	0	17	0	0	0	432.926	3.333	Yes
KRT1 Keratin, type II cytoskeletal 1	IPI00220327	104	219	64	77	40	48	98.758	0.752	
KRT10 Keratin, type I cytoskeletal 10	IPI00009865	47	93	16	11	6	23	80.311	1.237	
KRT14 Keratin, type I cytoskeletal 14	IPI00384444	0	27	0	0	0	0	2.34	2.498	
KRT18 Keratin, type I cytoskeletal 18	IPI00784347	10	0	9	0	0	0	553.133	3.416	Yes
KRT2 Keratin, type II cytoskeletal 2 epidermal	IPI00021304	36	75	20	19	6	17	96.819	1.045	
KRT5 Keratin, type II cytoskeletal 5	IPI00009867	0	20	0	0	0	3	0.772	0.423	
KRT6A Keratin, type II cytoskeletal 6A	IPI00300725	0	22	0	13	0	0	0.58	-0.05	
KRT8 Keratin, type II cytoskeletal 8	IPI00554648	12	0	8	0	0	0	732.979	3.671	Yes
KRT9 Keratin, type I cytoskeletal 9	IPI00019359	48	94	31	43	35	54	0.448	0.243	
LAMA4 Isoform 1 of Laminin subunit alpha-4 precursor	IPI00329482	0	0	4	0	0	0	2.743	2.211	
LAMA5 Laminin subunit alpha-5 precursor	IPI00783665	28	0	9	0	0	0	1287.393	3.474	Yes
LAMB1 Laminin subunit beta-1 precursor	IPI00013976	13	0	2	0	0	0	24.009	3.033	Yes
LAMB2 Laminin subunit beta-2 precursor	IPI00296922	2	0	0	0	0	0	1.777	1.711	
LAMC1 Laminin subunit gamma-1 precursor	IPI00298281	4	0	0	0	0	0	3.804	2.112	
LGALS1 Galectin-1	IPI00219219	0	2	0	0	0	0	1.684	1.883	
LMNA Isoform A of Lamin-A/C	IPI00021405	5	0	12	7	0	0	1.67	1.033	
LMNB1 Lamin-B1	IPI00217975	3	0	0	0	0	0	2.118	2.018	
LRRC17 Isoform 1 of Leucine-rich repeat-containing protein 17 precursor	IPI00171160	19	57	22	0	0	0	767995.79	4.628	Yes
MFI2 Isoform 1 of Melanotransferrin precursor	IPI00029275	0	0	2	0	0	0	1.842	1.687	
MGST3 Microsomal glutathione S-transferase 3	IPI00024266	0	0	7	0	0	0	5.579	2.266	
MME Neprilysin (CD10)	IPI00247063	0	0	0	0	3	0	1.638	-1.853	
MOXD1 Isoform 1 of DBH-like monooxygenase protein 1 precursor	IPI00419596	0	0	0	2	0	0	1.755	-1.81	
MPHOSPH1 Isoform 1 of M-phase phosphoprotein 1	IPI00044751	0	0	2	0	0	0	1.842	1.687	
MRLC2 Myosin regulatory light chain	IPI00033494	12	0	20	15	18	0	0.5	-0.038	
MSN Moesin	IPI00219365	0	0	0	3	3	0	5.407	-2.833	

Identified Proteins (277)	Accession Number	Unweighted spectrum counts			Unweighted spectrum counts			Bayes Factor	Fold Change	Significant
		LX-2 repeat 1	LX-2 repeat 2	LX-2 repeat 3	HFF repeat 1	HFF repeat 2	HFF repeat 3			
MVP Major vault protein	IPI00000105	17	0	29	0	0	0	8862.143	3.73	Yes
MXRA5 Matrix-remodeling-associated protein 5 precursor (adlican)	IPI00012347	0	0	0	20	18	8	10312.426	-3.95	Yes
MYADM Myeloid-associated differentiation marker	IPI00102685	0	0	5	0	0	0	3.199	2.301	
MYH10 Isoform 1 of Myosin-10	IPI00397526	37	0	88	41	43	0	0.129	-0.015	
MYH9 Myosin-9	IPI00019502	231	0	462	413	323	0	0.354	-0.032	
MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168	15	0	22	24	33	0	0.016	-0.265	
MYL9 Myosin regulatory light chain 2, smooth muscle isoform	IPI00220278	0	0	14	0	0	0	5.396	2.39	
MYO1C Myosin-Ic	IPI00010418	7	0	0	21	15	0	21.199	-1.716	Yes
MYO1D Isoform 1 of Myosin-Id	IPI00329719	0	0	0	0	2	0	1.874	-1.66	
NCL Isoform 1 of Nucleolin	IPI00604620	2	0	0	0	0	0	1.777	1.711	
NID1 Isoform 1 of Nidogen-1 precursor	IPI00026944	20	0	5	0	0	0	193.137	3.337	Yes
NID2 Nidogen-2 precursor	IPI00028908	15	0	3	4	8	0	0.582	0.131	
NT5E 5'-nucleotidase precursor	IPI00009456	28	0	13	18	11	0	0.262	0.197	
PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	2	0	0	0	0	0	1.777	1.711	
PCBP2 poly(rC)-binding protein 2 isoform a	IPI00796337	2	0	0	0	0	0	1.777	1.711	
PDIA3 Protein disulfide-isomerase A3 precursor	IPI00025252	8	0	0	0	0	0	3.893	2.215	
PFKP 6-phosphofructokinase type C	IPI00009790	3	0	6	0	0	0	14.753	2.842	Yes
PFN1 Profilin-1	IPI00216691	7	0	4	0	0	0	51.344	3.064	Yes
PHB Prohibitin	IPI00017334	2	0	5	0	0	0	6.418	2.754	
PHB2 Prohibitin-2	IPI00027252	7	0	11	0	0	0	518.614	3.271	Yes
PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	0	0	2	0	0	0	1.842	1.687	
PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	IPI00479186	2	0	11	0	0	0	19.813	3.168	Yes
POSTN Isoform 1 of Periostin precursor	IPI00007960	0	0	0	3	0	0	1.907	-2.099	
PPIB peptidylprolyl isomerase B precursor	IPI00646304	2	0	0	0	0	0	1.777	1.711	
PRDX1 Peroxiredoxin-1	IPI00000874	0	0	2	0	0	0	1.842	1.687	
PRKCDBP protein kinase C, delta binding protein	IPI00056334	0	0	0	2	0	0	1.755	-1.81	
PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337	16	0	12	0	0	0	2683.889	3.64	Yes
PRPF8 Pre-mRNA-processing-splicing factor 8	IPI00007928	4	0	0	0	0	0	3.804	2.112	
PRSS23 Serine protease 23 precursor	IPI00026941	13	31	7	0	0	0	3367.574	4.051	Yes
PTRF Isoform 1 of Polymerase I and transcript release factor	IPI00176903	16	0	7	0	0	0	465.06	3.595	Yes
RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719	8	0	8	0	0	0	283.124	3.207	Yes
RALY Isoform 1 of RNA-binding protein Raly	IPI00216044	0	0	2	0	0	0	1.842	1.687	
RHOC Rho-related GTP-binding protein RhoC precursor	IPI00027434	0	0	2	0	0	0	1.842	1.687	
RPL10 60S ribosomal protein L10	IPI00554723	3	16	5	0	0	0	19.033	3.727	Yes
RPL10A 60S ribosomal protein L10a	IPI00412579	15	0	14	0	3	0	220.221	2.077	Yes
RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	0	0	8	0	2	0	1.38	0.774	
RPL12 60S ribosomal protein L12	IPI00024933	5	0	5	0	0	0	24.446	3.447	Yes
RPL13A 60S ribosomal protein L13a	IPI00304612	3	0	0	0	0	0	2.118	2.018	
RPL14 60S ribosomal protein L14	IPI00002821	13	0	7	0	0	0	507.405	3.895	Yes
RPL15 60S ribosomal protein L15	IPI00470528	11	0	13	0	0	0	1054.643	3.505	Yes
RPL17 60S ribosomal protein L17	IPI00413324	3	14	11	0	0	0	169.187	3.806	Yes
RPL18 60S ribosomal protein L18	IPI00215719	9	0	12	7	3	0	1.371	0.809	
RPL18A 60S ribosomal protein L18a	IPI00026202	0	0	2	0	0	0	1.842	1.687	
RPL21;LOC729402;LOC731567 60S ribosomal protein L21	IPI00247583	0	8	5	0	0	0	89.474	3.371	Yes
RPL23 60S ribosomal protein L23	IPI00010153	4	19	7	2	2	0	21.526	1.811	Yes
RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	0	20	3	0	0	0	54.617	3.41	Yes
RPL24 60S ribosomal protein L24	IPI00306332	6	22	5	0	4	0	5.228	2.018	
RPL26L1 60S ribosomal protein L26-like 1	IPI00007144	0	2	0	0	0	0	1.684	1.883	
RPL27 60S ribosomal protein L27	IPI00219155	0	4	2	0	0	4	0.714	0.535	
RPL27A 60S ribosomal protein L27a	IPI00456758	0	10	5	0	8	0	0.76	0.947	
RPL3 60S ribosomal protein L3	IPI00550021	2	0	2	0	0	0	2.131	2.508	
RPL30 60S ribosomal protein L30	IPI00219156	2	0	3	0	0	0	4.292	2.6	
RPL31 60S ribosomal protein L31	IPI00026302	0	10	6	0	0	0	194.612	3.224	Yes
RPL32 60S ribosomal protein L32	IPI00395998	0	3	0	0	0	0	2.532	2.128	
RPL35 60S ribosomal protein L35	IPI00787131	0	10	6	0	0	0	194.612	3.224	Yes
RPL38 60S ribosomal protein L38	IPI00215790	0	4	2	0	0	0	5.695	2.565	
RPL4 60S ribosomal protein L4	IPI00003918	5	0	10	0	3	0	4.847	1.601	
RPL6 60S ribosomal protein L6	IPI00329389	18	0	16	8	5	0	3.587	0.792	
RPL7 60S ribosomal protein L7	IPI00030179	13	0	16	7	8	0	0.954	0.596	
RPL7A 60S ribosomal protein L7a	IPI00299573	17	0	19	8	5	0	1.646	0.9	
RPL8 60S ribosomal protein L8	IPI00012772	4	0	11	0	7	0	0.969	1.071	
RPL9 60S ribosomal protein L9	IPI00031691	0	0	4	0	0	0	2.743	2.211	
RPLP0 60S acidic ribosomal protein P0	IPI00008530	14	0	10	3	0	0	33.145	2.088	Yes
RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	9	0	16	3	3	0	15.717	1.208	
RPS11 40S ribosomal protein S11	IPI00025091	0	7	7	0	0	0	108.352	3.101	Yes
RPS13 40S ribosomal protein S13	IPI00221089	7	21	15	5	5	0	11.504	1.597	Yes
RPS14 40S ribosomal protein S14	IPI00026271	0	7	5	0	7	0	1.229	0.736	
RPS15 40S ribosomal protein S15	IPI00216153	0	10	0	0	0	0	8.021	2.481	
RPS15A 40S ribosomal protein S15a	IPI00221091	0	0	4	0	0	0	2.743	2.211	
RPS16 40S ribosomal protein S16	IPI00221092	8	22	9	7	7	0	2.1	1.058	
RPS17 40S ribosomal protein S17	IPI00221093	0	0	4	0	0	0	2.743	2.211	
RPS18 40S ribosomal protein S18	IPI00013296	18	58	27	11	9	4	532.932	1.497	Yes

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		LX-2 repeat 1	LX-2 repeat 2	LX-2 repeat 3	HFF repeat 1	HFF repeat 2	HFF repeat 3			
RPS2 40S ribosomal protein S2	IPI00013485	12	0	18	2	0	0	463.141	2.313	Yes
RPS23 40S ribosomal protein S23	IPI00218606	0	9	9	0	0	0	371.071	3.933	Yes
RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750	8	13	0	0	0	0	689.417	3.577	Yes
RPS25 40S ribosomal protein S25	IPI00012750	8	22	7	6	6	0	1.685	1.117	
RPS26;LOC728937;LOC644166 40S ribosomal protein S26	IPI00655650	0	14	5	0	0	0	148.4	3.551	Yes
RPS27 40S ribosomal protein S27	IPI00513971	0	0	4	0	0	0	2.743	2.211	
RPS27A;UBB;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330	19	0	36	37	29	0	2.946	-0.17	
RPS29 40S ribosomal protein S29	IPI00182289	0	9	0	0	0	0	5.681	2.474	
RPS3 40S ribosomal protein S3	IPI00011253	26	0	21	4	3	0	222.276	1.582	Yes
RPS3A 40S ribosomal protein S3a	IPI00419880	2	0	12	0	0	0	23.271	3.162	Yes
RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	28	42	33	6	8	0	127804.228	1.946	Yes
RPS5 40S ribosomal protein S5	IPI00008433	0	0	4	0	0	0	2.743	2.211	
RPS6 40S ribosomal protein S6	IPI00021840	0	0	6	0	0	0	5.467	2.28	
RPS7 40S ribosomal protein S7	IPI00013415	8	4	8	0	0	0	10.65	3.647	Yes
RPS8 40S ribosomal protein S8	IPI00216587	9	0	9	0	0	0	545.997	3.415	Yes
RPS9 40S ribosomal protein S9	IPI00221088	9	4	26	3	4	0	7.982	1.611	
RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	0	0	4	0	0	0	2.743	2.211	
SAMM50 Sorting and assembly machinery component 50 homolog	IPI00412713	7	0	7	0	0	0	112.778	3.536	Yes
SERPINE1 Plasminogen activator inhibitor 1 precursor	IPI00007118	2	0	13	0	0	0	24.031	3	Yes
SERPINF1 Pigment epithelium-derived factor precursor	IPI00006114	0	0	0	0	0	2	1.724	-1.807	
SERPINH1 Serpin H1 precursor	IPI00032140	2	0	4	2	0	0	0.909	1.019	
Serum albumin precursor	IPI00708398	49	228	49	16	18	78	55.973	1.039	
SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204	0	4	0	0	0	0	3.335	2.143	
SLC25A11 Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	2	0	0	0	0	0	1.777	1.711	
SLC25A13 Mitochondrial aspartate-glutamate carrier protein	IPI00007084	0	0	2	0	0	0	1.842	1.687	
SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial precursor	IPI00022202	0	0	16	0	0	0	3.973	2.294	
SLC25A5 ADP/ATP translocase 2	IPI00007188	28	0	36	0	0	0	31152.452	3.929	Yes
SLC25A6 ADP/ATP translocase 3	IPI00291467	0	0	29	0	0	0	2.938	2.524	
SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPI00017964	3	0	0	0	0	0	2.118	2.018	
STAU1 Staufen, RNA binding protein, homolog 1	IPI00641873	2	0	0	0	0	0	1.777	1.711	
STOM Erythrocyte band 7 integral membrane protein	IPI00219682	18	0	7	6	10	0	0.692	0.295	
STT3A Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	IPI00297492	0	0	7	0	0	0	5.579	2.266	
SURF4 Isoform 1 of Surfeit locus protein 4	IPI00005737	2	0	13	0	0	0	24.031	3	Yes
TFPI2 Tissue factor pathway inhibitor 2 precursor	IPI00009198	0	24	5	0	0	0	193.567	3.315	Yes
TGFBI Transforming growth factor-beta-induced protein ig-h3 precursor	IPI00018219	57	140	58	19	13	28	28384.003	1.392	
TGM2 Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2 (transglutaminase 2)	IPI00294578	14	0	12	37	16	0	0.695	-0.351	
THBS1 Thrombospondin-1 precursor	IPI00296099	0	0	0	0	0	8	8.493	-2.314	
THSD4 thrombospondin, type I, domain containing 4	IPI00794391	2	0	0	0	0	0	1.777	1.711	
THY1 Thy-1 membrane glycoprotein precursor	IPI00022892	8	0	4	7	9	0	0.244	-0.282	
TIMP3 Metalloproteinase inhibitor 3 precursor	IPI00218247	0	5	0	0	0	0	4.152	2.267	
TINAGL1 Isoform 1 of Tubulointerstitial nephritis antigen-like precursor	IPI00005563	6	0	3	0	0	0	17.613	2.854	Yes
TMED10 Transmembrane emp24 domain-containing protein 10 precursor	IPI00028055	0	0	2	0	0	0	1.842	1.687	
TMEM33 Transmembrane protein 33	IPI00299084	0	0	2	0	0	0	1.842	1.687	
TMEM43 Transmembrane protein 43	IPI00301280	15	0	21	6	4	0	8.486	1.115	
TNC Isoform 1 of Tenascin precursor	IPI00031008	76	295	154	40	30	51	63837.88	1.325	
TOMM40 Isoform 1 of Probable mitochondrial import receptor subunit TOM40 homolog	IPI00014053	5	0	3	0	0	0	16.121	2.909	Yes
TOP2A DNA topoisomerase 2	IPI00178667	6	0	5	0	0	0	33.951	2.993	Yes
TPM1 Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135	5	0	4	7	6	0	0.666	-0.369	
TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	0	0	3	0	0	0	2.112	2.037	
Trypsin - Sus scrofa (Pig).	MAN00000761	36	95	45	55	47	42	1.046	0.161	
TUBA1B Tubulin alpha-1B chain	IPI00387144	127	0	160	22	21	0	9.267	0.77	
TUBB Tubulin beta chain	IPI00011654	166	5	202	47	36	0	0.264	1.022	
TUBB2C Tubulin beta-2C chain	IPI00007752	142	0	176	0	0	0	19698.074	4.202	Yes
TUBB3 Tubulin beta-3 chain	IPI00013683	101	0	126	0	0	0	22426.041	4.24	Yes
TUBB6 46 kDa protein	IPI00641706	0	0	95	0	0	0	48333.947	4.255	Yes
TUBB6 TUBB6 protein	IPI00646779	75	0	89	0	0	0	3.158	2.119	
UPF1 Isoform 1 of Regulator of nonsense transcripts 1	IPI00034049	2	0	2	0	0	0	2.131	2.508	
VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	38	0	27	7	6	0	108.701	1.231	
VDAC2 Voltage-dependent anion-selective channel protein 2	IPI00024145	16	0	15	7	8	0	6.454	0.601	
VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804	14	0	13	7	6	0	4.531	0.639	
VIM Vimentin	IPI00418471	97	0	124	75	52	6	0.014	-0.461	
VTN Vitronectin precursor	IPI00298971	0	0	0	6	0	0	2.226	-2.388	
WNT5A Protein Wnt-5a precursor	IPI00013178	0	9	2	0	0	0	14.816	3.215	Yes
XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834	0	0	2	0	0	0	1.842	1.687	
YWHAE 14-3-3 protein epsilon	IPI00000816	7	0	5	0	0	0	51.992	3.134	Yes
YWHAZ 14-3-3 protein zeta/delta	IPI00021263	6	0	5	0	0	0	33.951	2.993	Yes