

Table 1 ESI Exosome proteins with a ratio (Diabetic/Control) higher than 1.50 (Up)

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
α -1-antiproteinase	A1AT_RAT	671	46278	26	5	14.1
δ -1-pyrroline-5-carboxylate dehydrogenase. mitochondrial	AL4A1_RAT	24	62286	1	35	1.50
Serum albumin	ALBU_RAT	1859	70682	54	10	20.2
Protein AMBP	AMBP_RAT	60	39738	4	4	3.41
Glutamyl aminopeptidase	AMPE_RAT	1206	108440	35	1	2.22
Apolipoprotein A-I	APOA1_RAT	306	30100	25	15	4.21
Apolipoprotein A-IV	APOA4_RAT	507	44429	23	2	6.22
Apolipoprotein C-I	APOC1_RAT	33	9854	10	2	1.88
Apolipoprotein E	APOE_RAT	163	35788	14	2	1.51
Na/K-transporting ATPase subunit α -1	AT1A1_RAT	255	114293	7	2	2.21
Na/K-transporting ATPase subunit β -1	AT1B1_RAT	203	35578	16	6	2.25
Biliverdin reductase A	BIEA_RAT	243	33716	16	1	2.19
BRO1 domain-containing protein BROX	BROX_RAT	23	46676	4	2	1.54
Cadherin-related family member 5	CDHR5_RAT	169	14465	22	9	0.583
Ceruloplasmin	CERU_RAT	99	91262	3	3	1.79
Clathrin heavy chain 1	CLH_RAT	416	121562	12	1	2.95
Caseinolytic peptidase B protein homolog	CLPB_RAT	23	193187	1	2	1.71
Clusterin	CLUS_RAT	19	76054	1	1	1.72
Complement C3	CO3_RAT	231	51970	17	1	3.40
Complement component C9	CO9_RAT	1966	187825	27	2	5.85
Cofilin-1	COF1_RAT	679	63495	31	7	4.89
C-reactive protein	CRP_RAT	131	18749	39	11	2.52
Fumarylacetoacetase	FAAA_RAT	73	25737	9	3	4.20
α -2-HS-glycoprotein	FETUA_RAT	219	46231	13	1	2.25
Fetuin-B	FETUB_RAT	428	38757	28	2	16.4
Fidgetin-like protein 1	FIGL1_RAT	332	42361	27	2	6.92
Fibronectin	FINC_RAT	61	74891	2	2	9.74
Ferritin light chain 1	FRIL1_RAT	49	275990	1	4	1.89
G-protein G(i) subunit α -1	GNAI1_RAT	69	20793	8	5	2.21
Pancreatic zymogen granule membrane protein GP-2	GP2_RAT	173	40889	8	25	2.63
Glutamate receptor-interacting protein 1	GRIP1_RAT	127	60381	7	7	2.06
Histone H2A type 1-C	H2A1C_RAT	30	121136	1	5	4.44
Histone H4	H4_RAT	59	14097	7	1	1.69
Hemopexin	HEMO_RAT	128	11360	31	7	2.06
Heparin cofactor 2	HEP2_RAT	730	52060	39	9	5.15
Haptoglobin	HPT_RAT	209	54745	12	7	3.28
Histidine-rich glycoprotein	HRG_RAT	393	39052	26	1	4.19
Isocitrate dehydrogenase [NADP] cytoplasmic	IDHC_RAT	482	59981	19	1	12.43
Ig γ -2A chain C region	IGG2A_RAT	60	47047	5	48	2.79
Ig γ -2B chain C region	IGG2B_RAT	301	35677	14	12	7.96
Ig γ -2C chain C region	IGG2C_RAT	182	37101	16	7	3.66

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
Keratin, type II cytoskeletal 1	K2C1_RAT	21	37062	3	10	7.77
Ig κ chain C region, B allele	KACB_RAT	86	65190	2	1	1.94
Calcium-activated K channel subunit β-2	KCMB2_RAT	121	11765	28	30	4.57
T-kininogen 1	KNT1_RAT	21	27706	3	1	1.52
T-kininogen 2	KNT2_RAT	641	48828	37	27	4.90
Ig λ-2 chain C region	LAC2_RAT	477	48757	27	6	4.62
LIM and SH3 domain protein 1	LASP1_RAT	62	11482	27	8	1.81
mRNA cap guanine-N7 methyltransferase	MCES_RAT	18	30351	3	1	2.15
Mitogen-activated protein kinase 3	MK03_RAT	30	53354	2	4	2.73
Ecto-ADP-ribosyltransferase 5	NAR5_RAT	17	43395	2	6	2.04
Nuclear pore complex protein Nup93	NUP93_RAT	29	34579	3	4	9.66
Probasin	PBAS_RAT	25	93757	1	5	2.72
Peflin	PEF1_RAT	198	20995	20	1	2.57
Xaa-Pro dipeptidase	PEPD_RAT	128	30221	9	2	1.54
Pleckstrin	PLEK_RAT	22	55684	2	10	1.54
Plasminogen	PLMN_RAT	20	40313	7	1	1.82
Parathyroid hormone	PTHY_RAT	1011	93214	36	1	8.75
Sodium/nucleoside cotransporter 1	S28A1_RAT	18	12771	9	6	4.04
Serum amyloid P-component	SAMP_RAT	20	72095	1	38	4.00
Sodium/glucose cotransporter 2	SC5A2_RAT	235	26273	17	14	1.67
SMR1 protein	SMR1_RAT	46	73940	3	4	3.15
Serine protease inhibitor A3K	SPA3K_RAT	209	16017	26	2	19.3
Serine protease inhibitor A3L	SPA3L_RAT	452	46760	27	4	3.03
Serine protease inhibitor A3M (Fragment)	SPA3M_RAT	473	46419	25	6	2.59
Serine protease inhibitor A3N	SPA3N_RAT	92	46180	5	8	2.53
Sucrase-isomaltase, intestinal	SUIS_RAT	910	46793	45	1	4.99
Synaptojanin-2	SYNJ2_RAT	43	211471	1	1	2.53
Tumor necrosis factor receptor superfamily member 11B	TR11B_RAT	27	166414	0	1	3.36
Serotransferrin	TRFE_RAT	18	47588	3	3	3.03
tRNA guanosine-2'-O-methyltransferase TRM11 homolog	TRM11_RAT	1757	78512	45	3	12.5
Thioredoxin reductase 1, cytoplasmic	TRXR1_RAT	21	53468	1	1	2.12
Thioredoxin domain-containing protein 3	TXND3_RAT	20	55151	2	1	5.93
Vascular endothelial growth factor receptor 2	VGFR2_RAT	24	67782	2	3	6.71
Vitamin D-binding protein	VTDB_RAT	19	152180	1	16	2.49
Protein Z-dependent protease inhibitor	ZPI_RAT	75	55106	6	6	5.03

Mascot Score = Mascot thresholds score for identity and decoy database were used as peptide level filters of peptide significance
Cov. % = % of protein coverage.

Table 2 Exosome proteins with a ratio (Diabetic/Control) lower than 0.50 (Down)

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
3-hydroxyanthranilate 3,4-dioxygenase	3HAO_RAT	212	32846	19	5	0.395
β -1-macroglobulin	A1M_RAT	1705	168388	33	35	0.331
Kynurenine/ α -aminoadipate aminotransferase, mitochondrial	AADAT_RAT	491	48096	25	10	0.470
Cytoplasmic aconitate hydratase	ACOC_RAT	149	98750	5	4	0.457
α -actinin-1	ACTN1_RAT	65	103466	1	1	0.486
Aminoacylase-1A	ACY1A_RAT	599	46060	42	15	0.434
Aspartoacylase-2	ACY3_RAT	106	35796	6	2	0.371
4-trimethylaminobutyraldehyde dehydrogenase	AL9A1_RAT	71	54530	5	2	0.481
Pancreatic α -amylase	AMYP_RAT	48	57825	4	2	0.323
ADP-ribosylation factor 4	ARF4_RAT	60	20498	11	2	0.311
Aflatoxin B1 aldehyde reductase member 3	ARK73_RAT	393	37122	18	6	0.348
Carboxylesterase 3	CES3_RAT	22	62393	2	1	0.358
β -Ala-His dipeptidase	CNDP1_RAT	44	55121	4	2	0.295
Cytosolic non-specific dipeptidase	CNDP2_RAT	450	53116	24	9	0.456
Coactosin-like protein	COTL1_RAT	120	16036	21	3	0.347
Mu-crystallin homolog	CRYM_RAT	18	33704	6	1	0.262
N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	DDAH1_RAT	76	31805	7	2	0.310
Sorbitol dehydrogenase	DHSO_RAT	49	38780	3	1	0.382
Dipeptidyl peptidase 2	DPP2_RAT	32	55649	2	1	0.211
Elongation factor 2	EF2_RAT	75	96192	2	2	0.324
Pro-epidermal growth factor	EGF_RAT	330	127410	6	7	0.168
Phosphodiesterase I/nucleotide pyrophosphatase 3	ENPP3_RAT	427	100946	15	11	0.291
Choline-specific glycerophosphodiester phosphodiesterase	ENPP6_RAT	176	51011	9	3	0.485
PDZ domain-containing protein GIPC1	GIPC1_RAT	56	36225	5	1	0.484
PDZ domain-containing protein GIPC2	GIPC2_RAT	76	34352	12	2	0.239
Glutamine synthetase	GLNA_RAT	78	42982	6	2	0.428
G-protein subunit α -11	GNA11_RAT	58	42285	8	2	0.346
G-protein G(k) subunit α	GNAI3_RAT	194	41066	10	4	0.477
Glutamate--cysteine ligase regulatory subunit	GSH0_RAT	270	30871	24	5	0.442
Glutamate--cysteine ligase catalytic subunit	GSH1_RAT	1322	73371	45	25	0.396
Glutathione synthetase	GSHB_RAT	324	52597	15	7	0.313
Glutathione S-transferase P	GSTP1_RAT	216	23652	39	5	0.387
Glutathione S-transferase theta-2	GSTT2_RAT	30	27593	3	1	0.324
Hemoglobin subunit α -1/2	HBA_RAT	367	15490	61	7	0.059
Hemoglobin subunit β -1	HBB1_RAT	622	16083	65	9	0.038
Hemoglobin subunit β -2	HBB2_RAT	387	16086	43	7	0.332
Histamine N-methyltransferase	HNMT_RAT	29	34262	2	1	0.250
Isoamyl acetate-hydrolyzing esterase 1 homolog	IAH1_RAT	37	28386	4	1	0.363
Low-density lipoprotein receptor-related protein 2	LRP2_RAT	2136	537697	12	48	0.446
Meprin A subunit β	MEP1B_RAT	809	80155	24	12	0.493
Major urinary protein	MUP_RAT	320	21009	36	7	0.295

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
Nitrilase homolog 1	NIT1_RAT	27	32697	6	1	0.167
Nuclear receptor subfamily 4 group A member 3	NR4A3_RAT	19	69718	1	1	0.320
Plastin-3	PLST_RAT	51	71148	2	1	0.388
Phosphotriesterase-related protein	PTER_RAT	119	39462	13	3	0.471
Quinone oxidoreductase	QOR_RAT	270	35295	19	5	0.413
Ras-related protein Rap-1A	RAP1A_RAT	185	21316	21	4	0.417
Ras-related protein Rab-11A	RB11A_RAT	117	24492	14	3	0.474
Solute carrier family 12 member 3	S12A3_RAT	174	111567	5	4	0.224
Solute carrier family 15 member 2	S15A2_RAT	205	82009	10	7	0.484
Solute carrier family 22 member 4	S22A4_RAT	25	62835	1	1	0.337
Multidrug and toxin extrusion protein 1	S47A1_RAT	64	62255	2	1	0.497
Sodium-dependent neutral amino acid transporter B(0)AT3	S6A18_RAT	221	70480	7	3	0.315
Sodium- and chloride-dependent transporter XTRP3	S6A20_RAT	61	69724	3	2	0.340
Solute carrier family 7 member 13	S7A13_RAT	59	54086	3	1	0.273
Selenium-binding protein 1	SBP1_RAT	43	53069	2	1	0.334
Sodium/glucose cotransporter 1	SC5A1_RAT	30	73987	1	1	0.412
Sodium/myo-inositol cotransporter 2	SC5AB_RAT	33	74242	2	1	0.235
Neutral and basic amino acid transport protein rBAT	SLC31_RAT	2065	78913	47	35	0.404
Solute carrier organic anion transporter family member 1A1	SO1A1_RAT	178	75782	9	5	0.128
Solute carrier organic anion transporter family member 1A3	SO1A3_RAT	98	75365	5	3	0.400
Syntaxin-binding protein 2	STXB2_RAT	44	67110	6	2	0.330
Tubulin α -1B chain	TBA1B_RAT	59	50804	3	1	0.310
Threonine synthase-like 2	THNS2_RAT	20	54844	3	1	0.202
Triosephosphate isomerase	TPIS_RAT	252	27345	23	5	0.496
Thiopurine S-methyltransferase	TPMT_RAT	76	27959	12	3	0.322
Urinary protein 1	UP1_RAT	72	11523	11	1	0.230
Urinary protein 2	UP2_RAT	89	11630	13	1	0.453

Mascot Score = Mascot thresholds score for identity and decoy database were used as peptide level filters of peptide significance
Cov. % = % of protein coverage.

Table 3 Exosome proteins with a ratio (Diabetic/Control) between 0.50 and 1.50 (Unchanged)

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
14-3-3 protein ε	1433E_RAT	169	29326	11	3	1.00
14-3-3 protein ζ/δ	1433Z_RAT	234	27925	31	6	0.598
Cystatin-related protein 2	22P2_RAT	194	21456	26	4	1.11
α-1-inhibitor 3	A1I3_RAT	119	165038	3	3	1.38
ATP-binding cassette sub-family G member 2	ABCG2_RAT	331	73427	12	6	0.851
Abhydrolase domain-containing protein 14B	ABHEB_RAT	82	22718	9	2	0.638
Actin. cytoplasmic 1	ACTB_RAT	1097	42052	57	17	0.816
Actin. α cardiac muscle 1	ACTC_RAT	670	42334	31	12	1.50
Aspartoacylase	ACY2_RAT	29	35747	3	1	0.687
Alcohol dehydrogenase [NADP+]	AK1A1_RAT	340	36711	20	7	0.722
Fructose-bisphosphate aldolase B	ALDOB_RAT	446	40049	22	8	0.658
Cytosol aminopeptidase	AMPL_RAT	44	56514	4	2	0.548
Aminopeptidase N	AMPN_RAT	2172	109779	36	29	0.654
Angiotensinogen	ANGT_RAT	38	52177	2	1	1.42
Annexin A3	ANXA3_RAT	53	36569	3	1	1.42
Annexin A4	ANXA4_RAT	389	36168	24	6	0.729
Annexin A5	ANXA5_RAT	124	35779	6	2	1.19
Annexin A6	ANXA6_RAT	281	76106	10	6	1.13
Aquaporin-1	AQP1_RAT	153	29066	27	4	0.715
ADP-ribosylation factor 1	ARF1_RAT	58	20741	15	2	1.08
Aflatoxin B1 aldehyde reductase member 2	ARK72_RAT	96	41105	7	2	0.636
Argininosuccinate synthase	ASSY_RAT	117	46752	11	4	0.712
Autophagy-related protein 101	ATGA1_RAT	21	25285	3	1	0.575
Brain acid soluble protein 1	BASP1_RAT	45	21777	7	1	1.33
Carbonic anhydrase 2	CAH2_RAT	126	29267	13	3	0.600
Calbindin	CALB1_RAT	189	30203	20	4	0.665
Calmodulin	CALM_RAT	78	16827	11	1	1.04
Uncharacterized protein C4orf51 homolog	CD051_RAT	23	23723	5	1	0.912
Leukocyte surface antigen CD47	CD47_RAT	21	33487	3	1	0.550
CD59 glycoprotein	CD59_RAT	28	26537	7	3	1.00
CD63 antigen	CD63_RAT	34	25768	4	1	0.687
CD9 antigen	CD9_RAT	202	21587	26	1	0.690
Cell division control protein 42 homolog	CDC42_RAT	399	44262	28	4	0.666
Cystathionine γ-lyase	CGL_RAT	163	35427	18	9	0.631
Ester hydrolase C11orf54 homolog	CK054_RAT	336	27306	30	4	0.666
Chloride intracellular channel protein 1	CLIC1_RAT	206	28843	15	7	0.598
Chloride intracellular channel protein 4	CLIC4_RAT	150	193639	5	3	0.953
Complement C4	CO4_RAT	21	29806	9	5	0.871
Catechol O-methyltransferase	COMT_RAT	50	62228	2	1	0.751
Copine-9	CPNE9_RAT	15	89129	2	1	1.11
Carnitine O-palmitoyltransferase 1. muscle isoform	CPT1B_RAT	24	35717	2	1	1.38

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λ-crystallin homolog	CRYL1_RAT	197	80225	6	1	1.02
Choline transporter-like protein 4	CTL4_RAT	44	18807	16	3	0.683
Destrin	DEST_RAT	84	59691	7	2	0.532
Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)	DHAK_RAT	25	25764	5	3	0.932
Dihydropteridine reductase	DHPR_RAT	45	32272	3	1	1.33
Deoxyribonuclease-1	DNAS1_RAT	28	13239	7	1	0.639
D-dopachrome decarboxylase	DOPD_RAT	1646	88774	30	1	0.700
Dipeptidyl peptidase 4	DPP4_RAT	408	50424	24	25	0.656
Elongation factor 1-α 1	EF1A1_RAT	246	60622	12	9	0.878
EH domain-containing protein 1	EHD1_RAT	293	47440	21	5	0.886
α-enolase	ENOA_RAT	35	31971	9	7	0.663
S-formylglutathione hydrolase	ESTD_RAT	1100	69462	37	2	0.825
Ezrin	EZRI_RAT	66	67544	2	23	1.21
Protein FAM151A	F151A_RAT	78	40040	16	1	0.674
Fructose-1,6-bisphosphatase 1	F16P1_RAT	32	21284	4	3	0.777
Ferritin heavy chain	FRIH_RAT	458	36090	32	1	0.960
Glyceraldehyde-3-phosphate dehydrogenase	G3P_RAT	118	47362	6	7	1.09
Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	G3PT_RAT	29	62958	3	2	0.577
Glucose-6-phosphate isomerase	G6PI_RAT	29	106710	1	1	0.971
γ-aminobutyric acid type B receptor subunit 2	GABR2_RAT	197	38151	13	1	0.508
G-protein G(I)/G(S)/G(T) subunit β-1	GBB1_RAT	299	38048	22	4	0.730
G-protein G(I)/G(S)/G(T) subunit β-2	GBB2_RAT	63	38125	3	6	0.956
G-protein G(I)/G(S)/G(T) subunit β-3	GBB3_RAT	304	51018	19	1	0.586
Rab GDP dissociation inhibitor β	GDIB_RAT	83	23450	19	7	0.644
Rho GDP-dissociation inhibitor 1	GDIR1_RAT	1142	61913	30	2	0.766
γ-glutamyltranspeptidase 1	GGT1_RAT	189	123836	5	15	0.959
G-protein G(s) subunit α isoforms XLas	GNAS1_RAT	39	22838	5	4	0.791
Glutathione peroxidase 4	GPX41_RAT	265	25705	23	1	0.626
Glutathione S-transferase α-1	GSTA1_RAT	338	25360	43	6	0.651
Glutathione S-transferase α-3	GSTA3_RAT	170	25857	21	8	0.719
Glutathione S-transferase μ-2	GSTM2_RAT	91	27936	8	4	0.556
Glutathione S-transferase ω-1	GSTO1_RAT	86	55849	4	2	0.660
Fructose transporter	GTR5_RAT	41	13882	11	2	0.539
Histidine triad nucleotide-binding protein 1	HINT1_RAT	22	22438	4	1	0.598
Hippocalcin-like protein 1	HPCL1_RAT	49	85161	2	1	1.19
Heat shock protein HSP 90-α	HS90A_RAT	503	71055	18	1	0.861
Heat shock cognate 71 kDa protein	HSP7C_RAT	127	40088	7	11	0.839
IST1 homolog	IST1_RAT	38	30808	4	3	1.30
Integral membrane protein 2B	ITM2B_RAT	135	56699	5	1	1.07
Keratin, type I cytoskeletal 10	K1C10_RAT	125	49011	5	3	1.48
Keratin, type I cytoskeletal 15	K1C15_RAT	100	33299	6	3	0.562
Ketohexokinase	KHK_RAT	26	117642	1	1	0.844

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Kinesin heavy chain isoform 5A	KIF5A_RAT	260	44397	8	1	1.04
Lysosome-associated membrane glycoprotein 1	LAMP1_RAT	267	36631	16	4	0.788
Malate dehydrogenase, cytoplasmic	MDHC_RAT	1150	86209	34	5	0.674
Meprin A subunit α	MEP1A_RAT	146	33820	11	21	0.504
Monoglyceride lipase	MGLL_RAT	62	12640	8	3	0.817
Macrophage migration inhibitory factor	MIF_RAT	15	74297	2	1	0.575
TRAF3-interacting protein 1	MIPT3_RAT	18	113492	1	1	1.21
Meckelin	MKS3_RAT	1146	67868	36	1	0.777
Moesin	MOES_RAT	16	17135	8	24	0.508
Myosin light polypeptide 6	MYL6_RAT	189	120535	5	1	0.810
Myosin-Ic	MYO1C_RAT	119	116820	2	5	0.618
Myosin-Id	MYO1D_RAT	1949	86425	51	2	1.00
Neprilysin	NEP_RAT	464	39149	28	32	0.849
Na(+)/H(+) exchange regulatory cofactor NHE-RF1	NHRF1_RAT	1393	57164	51	7	0.607
Na(+)/H(+) exchange regulatory cofactor NHE-RF3	NHRF3_RAT	116	69347	7	25	0.711
Sodium-dependent phosphate transport protein 2A	NPT2A_RAT	435	97141	12	4	0.801
Programmed cell death 6-interacting protein	PDC6I_RAT	17	68509	3	9	0.803
Protein disulfide-isomerase-like protein of the testis	PDILT_RAT	74	20902	7	1	0.751
Phosphatidylethanolamine-binding protein 1	PEBP1_RAT	43	28928	5	1	0.696
Phosphoglycerate mutase 1	PGAM1_RAT	100	44909	9	1	0.684
Phosphoglycerate kinase 1	PGK1_RAT	84	52026	7	2	1.41
Podocalyxin	PODXL_RAT	33	48745	5	2	0.684
Lysosomal acid phosphatase	PPAL_RAT	131	57965	6	2	1.36
Alkaline phosphatase, tissue-nonspecific isozyme	PPBT_RAT	218	18091	42	3	0.941
Peptidyl-prolyl cis-trans isomerase A	PPIA_RAT	307	22323	29	6	0.553
Peroxiredoxin-1	PRDX1_RAT	90	22507	10	6	1.13
Peroxiredoxin-5, mitochondrial	PRDX5_RAT	183	24860	21	2	0.618
Peroxiredoxin-6	PRDX6_RAT	63	15119	22	4	0.641
Profilin-1	PROF1_RAT	122	20685	9	2	1.18
Pituitary tumor-transforming gene 1 protein-interacting protein 1	PTTG_RAT	59	23774	6	2	0.696
Ras-related protein Rab-7a	RAB7A_RAT	181	23824	17	1	0.869
Ras-related protein Rab-8A	RAB8A_RAT	239	21835	22	3	0.606
Ras-related C3 botulinum toxin substrate 1	RAC1_RAT	239	33939	17	5	0.669
Regucalcin	RGN_RAT	139	22110	16	5	0.627
Transforming protein RhoA	RHOA_RAT	16	202475	1	3	0.847
Peripheral-type benzodiazepine receptor-associated protein 1	RIMB1_RAT	219	18282	28	1	0.631
Ubiquitin-40S ribosomal protein S27a	RS27A_RAT	76	10085	9	5	0.862
Protein S100-A6	S10A6_RAT	424	35178	30	1	0.617
Sulfotransferase 1C2A	S1C2A_RAT	223	66133	10	9	0.702
Solute carrier family 23 member 1	S23A1_RAT	213	62908	11	5	1.38
Sulfated glycoprotein 1	SAP_RAT	40	69509	2	5	0.500
Sodium-dependent multivitamin transporter	SC5A6_RAT	54	32631	8	1	0.928

Name	Accession (UNIPROT)	Mascot Score	MW (Da)	Cov. (%)	Matched Peptides	Label free Ratio (Diab/Ctrl)
Syntenin-1	SDCB1_RAT	51	11008	9	1	1.05
Secretoglobulin family 2A member 2	SG2A2_RAT	130	16073	17	1	0.687
Superoxide dismutase [Cu-Zn]	SODC_RAT	24	31232	4	2	1.24
Prostatic spermine-binding protein	SPBP_RAT	332	34961	26	1	0.777
Sulfotransferase 1C2	ST1C2_RAT	44	50274	9	7	1.18
Tubulin β -2A chain	TBB2A_RAT	84	12008	20	2	0.662
Thioredoxin	THIO_RAT	34	71792	2	2	1.078
Prothrombin	THRB_RAT	128	25320	13	1	0.866
Collectrin	TMM27_RAT	43	61750	4	2	0.836
Tripeptidyl-peptidase 1	TPP1_RAT	15	129030	1	1	1.25
Transient receptor potential cation channel subfamily M member 8	TRPM8_RAT	39	580498	0	1	0.625
E3 ubiquitin-protein ligase UBR4	UBR4_RAT	20	34748	3	1	0.565
Ubiquitin fusion degradation protein 1 homolog	UFD1_RAT	388	14352	61	1	0.510
Ribonuclease UK114	UK114_RAT	1245	73752	33	6	1.14
Uromodulin	UROM_RAT	48	56857	6	19	1.38
V-type proton ATPase subunit B, brain isoform	VATB2_RAT	55	26169	6	2	1.21
V-type proton ATPase subunit E 1	VATE1_RAT	94	30851	11	1	0.752
Voltage-dependent anion-selective channel protein 1	VDAC1_RAT	169	29326	11	2	1.00

Mascot Score = Mascot thresholds score for identity and decoy database were used as peptide level filters of peptide significance
Cov. % = % of protein coverage.

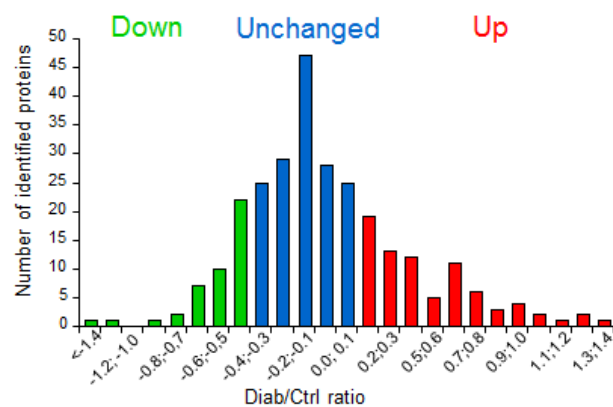


Fig.1 ESI Number of identified proteins classified according to values of the ratio Diab/Ctrl levels in exosomes, expressed as ranges.