

Supplementary Table 2

Gene names	Protein names	Protein IDs	Unique Proteins	P value	Fold change	Difference
CANX	calnexin	P27824	Unique in healthy			
	cGMP-specific 3,5-cyclic					
PDE5A	phosphodiesterase	O76074	Unique in healthy			
CSK	Tyrosine-protein kinase CSK	P41240	Unique in Obese			
	Glutathione reductase,					
*GSR	mitochondrial	P00390	Unique in Obese			
	ubiquitin like modifier activating					
*UBA1	enzyme 1	P22314	Unique in Obese			
F5	Coagulation factor V	P12259		0,0079	3,635	1,862
PF4V1	Platelet factor 4 variant	P10720		0,0277	4,938	2,304
PPBP	Platelet basic protein	P02775		0,0016	4,102	2,036
ACTB	Actin, cytoplasmic 1	P60709		0,0050	0,298	-1,745
ACTN4	Alpha-actinin-4	O43707		0,0063	0,294	-1,768
ACTR3	Actin-related protein 3	P61158		0,0164	0,209	-2,257
ADH5	Alcohol dehydrogenase class-3	P11766		0,0276	0,397	-1,334
ALDOA	Fructose-bisphosphate aldolase A	P04075		0,0318	0,294	-1,768
ARHGDI1	Rho GDP-dissociation inhibitor 2	P52566		0,0386	0,179	-2,485
	Actin-related protein 2/3 complex					
ARPC1B	subunit 1B	O15143		0,0144	0,346	-1,530
ARRB1	Beta-arrestin-1	P49407		0,0234	0,411	-1,284
	Sarcoplasmic/endoplasmic reticulum					
ATP2A3	calcium ATPase 3	Q93084		0,0324	0,302	-1,728
B2M	Beta-2-microglobulin	P61769		0,0184	0,181	-2,464
CALD1	Caldesmon	Q05682		0,0155	0,228	-2,133
CD9	CD9 antigen	P21926		0,0101	0,269	-1,894
CFL1	Cofilin-1	P23528		0,0085	0,398	-1,331
CNN2	Calponin-2	Q99439		0,0014	0,173	-2,531
F11R	Junctional adhesion molecule A	Q9Y624		0,0059	0,367	-1,445
FERMT3	Fermitin family homolog 3	Q86UX7		0,0192	0,213	-2,232
	Glyceraldehyde-3-phosphate					
GAPDH	dehydrogenase	P04406		0,0128	0,440	-1,183

*GSTP1	Glutathione S-transferase P	P09211	0,0316	0,321	-1,642
HSPA5	78 kDa glucose-regulated protein	P11021	0,0074	0,318	-1,653
ITGA2B	Integrin alpha-IIb	P08514	0,0011	0,225	-2,152
LDHB	L-lactate dehydrogenase B chain	P07195	0,0002	0,162	-2,625
LIMS1	LIM and senescent cell antigen-like-containing domain protein 1	P48059	0,0034	0,196	-2,350
MDH1	Malate dehydrogenase, cytoplasmic	P40925	0,0014	0,194	-2,369
MYL6	Myosin light polypeptide 6	P60660	0,0067	0,293	-1,770
NEXN	Nexilin	Q0ZGT2	0,0012	0,210	-2,249
PDIA3	Protein disulfide-isomerase A3	P30101	0,0010	0,426	-1,231
PDLIM1	PDZ and LIM domain protein 1	O00151	0,0314	0,240	-2,058
PDLIM7	PDZ and LIM domain protein 7	Q9NR12	0,0162	0,397	-1,334
PIP4K2A	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	P48426	0,0061	0,321	-1,638
PKM	Pyruvate kinase PKM	P14618	0,0146	0,281	-1,834
PLEK	Pleckstrin	P08567	0,0060	0,110	-3,185
PTTG1IP	Pituitary tumor-transforming gene 1 protein-interacting protein	P53801	0,0149	0,147	-2,768
RAB13	Ras-related protein Rab-13	P51153	0,0204	0,373	-1,423
RAN	GTP-binding nuclear protein Ran	P62826	0,0106	0,244	-2,037
RHOA	Transforming protein RhoA	P61586	0,0223	0,331	-1,594
SDPR	Serum deprivation-response protein	O95810	0,0021	0,307	-1,702
SELP	P-selectin	P16109	0,0027	0,136	-2,874
STOM	Erythrocyte band 7 integral membrane protein	P27105	0,0008	0,102	-3,295
TAGLN2	Transgelin-2	P37802	0,0061	0,259	-1,952
TPM1	Tropomyosin alpha-1 chain	P09493	0,0026	0,506	-0,983
TUBB	Tubulin beta chain	P07437	0,0031	0,212	-2,236

TUBB4B	Tubulin beta-4B chain	P68371	0,0290	0,130	-2,945
TXN	Thioredoxin	P10599	0,0081	0,432	-1,210

Legend:

Transmembrane, alpha-granule

In red upregulated proteins

In green downregulated proteins

*mitochondrial proteins