Supplementary Table

Proteins identified by mass-spectrometry in adipocyte exosomes Table reporting 3T3-F442A mature adipocyte exosomal proteins identified and validated in this study. Proteins from 5 independent experiments have been identified by nano-LC MS/MS. Are reported the number of experiments (EN) in which the proteins have been identified, the average score and coverage as well as the average number of peptides sequenced (PN). Specificity to adipocyte exosomes is indicated. TCA: tricarboxylic acid, ECM: extracellular matrix, NO: nitric oxide, GEF: Guanine nucleotide exchange factor, RNP: ribonucleoprotein, HBA: hemoglobin subunit alpha, MVB: multivesicular body, ESCRT: endosomal sorting complexes required for transport.

Gene name	Protein ID	Protein name	EN	Score	Coverage	PN	Function	Group	Specific
Ywhab	1433B_MOUSE	14-3-3 protein beta/alpha	4	75	15.0	2.5	Adapter protein	Chaperonne and adapter proteins	**no**
Ywhae	1433E_MOUSE	14-3-3 protein epsilon	5	97	12.2	2.4	Adapter protein	Chaperonne and adapter proteins	**no**
Ywhag	1433G_MOUSE	14-3-3 protein gamma	3	199	20.3	4	Adapter protein	Chaperonne and adapter proteins	**no**
Ywhaq	1433T_MOUSE	14-3-3 protein theta	2	75	8.9	2	Adapter protein	Chaperonne and adapter proteins	**no**
Ywhaz	1433Z_MOUSE	14-3-3 protein zeta/delta	5	89	10.6	1.8	Adapter protein	Chaperonne and adapter proteins	**no**
Slc3a2	4F2_MOUSE	4F2 cell-surface antigen heavy chain	4	120	7.7	3.3	Transporter	Metabolism and transporters	**no**
A2m	A2M_MOUSE	Alpha-2-macroglobulin	5	222	2.5	3.6	Peptidase	Protein modification and homeostasis	**no**
Slc1a5	AAAT_MOUSE	Neutral amino acid transporter B(0)	2	61	3.4	1.5	Transporter	Metabolism and transporters	**no**
Abcg2	ABCG2_MOUSE	ATP-binding cassette sub-family G member 2	4	95	1.5	1	Drug transport	Drug Resistance, detoxification and redox potential	**yes**
Abhd5	ABHD5_MOUSE	1-acylglycerol-3-phosphate O-acyltransferase ABHD5	2	56	3.4	1	Lipid metabolism	Metabolism and transporters	**yes**
Acaca	ACACA_MOUSE	Acetyl-CoA carboxylase 1	4	215	3.0	5.5	Lipid metabolism	Metabolism and transporters	**yes**
Acadl	ACADL_MOUSE	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	2	40	2.6	1	Lipid metabolism	Metabolism and transporters	**yes**
Acadm	ACADM_MOUSE	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	2	42	6.3	1.5	Lipid metabolism	Metabolism and transporters	**yes**
Acads	ACADS_MOUSE	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	2	73	5.2	1.5	Lipid metabolism	Metabolism and transporters	**yes**
Acadvl	ACADV_MOUSE	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	2	115	5.7	2	Lipid metabolism	Metabolism and transporters	**yes**
Dbi	ACBP_MOUSE	Acyl-CoA-binding protein	2	53	11.5	1	Lipid metabolism	Metabolism and transporters	**yes**
Acly	ACLY_MOUSE	ATP-citrate synthase	5	196	4.8	3.6	Lipid metabolism	Metabolism and transporters	**no**
Aco2	ACON_MOUSE	Aconitate hydratase, mitochondrial	4	68	5.0	2.5	TCA cycle	Metabolism and transporters	**no**
Acsl1	ACSL1_MOUSE	Long-chain-fatty-acid--CoA ligase 1	5	1445	38.6	24	Lipid metabolism	Metabolism and transporters	**yes**
Actb	ACTB_MOUSE	Actin, cytoplasmic 1	5	974	54.2	20	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Actg	ACTG_MOUSE	Actin, cytoplasmic 2	5	507	36.1	11.8	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Slc25a4	ADT1_MOUSE	ADP/ATP translocase 1	5	170	9.7	2.2	Transporter	Metabolism and transporters	**no**
Slc25a5	ADT2_MOUSE	ADP/ATP translocase 2	5	354	15.9	4	Transporter	Metabolism and transporters	**no**
Aebp1	AEBP1_MOUSE	Adipocyte enhancer-binding protein 1	2	309	4.9	4	Adipocyte differenciation	Metabolism and transporters	**yes**
Akr1a1	AK1A1_MOUSE	Alcohol dehydrogenase [NADP(+)]	2	40	4.6	1.5	Drug metabolism	Drug Resistance, detoxification and redox potential	**no**
Alb	ALBU_MOUSE	Serum albumin	5	616	2.1	1	Lipid transport	Metabolism and transporters	**no**
Aldh2	ALDH2_MOUSE	Aldehyde dehydrogenase, mitochondrial	3	125	6.4	2.7	Protector against oxydative stress	Drug Resistance, detoxification and redox potential	**yes**
Aldoa	ALDOA_MOUSE	Fructose-bisphosphate aldolase A	5	219	20.3	6.4	Glycolysis	Metabolism and transporters	**no**
Ano6	ANO6_MOUSE	Anoctamin-6	2	46	1.3	1	Transporter	Metabolism and transporters	**no**
Serpinc1	ANT3_MOUSE	Antithrombin-III	4	46	2.7	1.3	ECM remodeling	ECM and ECM remodeling	**no**
Anxa1	ANXA1_MOUSE	Annexin A1	5	1808	57.1	19	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa2	ANXA2_MOUSE	Annexin A2	5	1560	57.7	20	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa3	ANXA3_MOUSE	Annexin A3	3	85	5.0	1	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa4	ANXA4_MOUSE	Annexin A4	5	387	19.6	3.8	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa5	ANXA5_MOUSE	Annexin A5	5	423	33.9	9.6	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa6	ANXA6_MOUSE	Annexin A6	5	2193	46.5	32.6	Promotes membrane fusion	Vesicular Trafficking	**no**
Anxa7	ANXA7_MOUSE	Annexin A7	2	121	3.9	1.5	Promotes membrane fusion	Vesicular Trafficking	**no**
Aoc3	AOC3_MOUSE	Membrane primary amine oxidase	5	653	17.8	9.6	Cell adhesion	Cell adhesion, spreading, migration and invasion	**yes**
Apmap	APMAP_MOUSE	Adipocyte plasma membrane-associated protein	5	135	9.2	3	Adipocyte differenciation	Metabolism and transporters	**yes**
Apoa1	APOA1_MOUSE	Apolipoprotein A-I	2	56	2.4	2	Lipid transport	Metabolism and transporters	**no**
Arf4	ARF4_MOUSE	ADP-ribosylation factor 4	3	74	8.0	1.3	Modulate vesicle budding	Vesicular Trafficking	**no**
Arf5	ARF5_MOUSE	ADP-ribosylation factor 5	2	107	16.6	2.5	Modulate vesicle budding	Vesicular Trafficking	**no**
Arg1	ARGI1_MOUSE	Arginase-1	2	41	2.0	1	Arginine metabolic process	Metabolism and transporters	**yes**
Atp1a1	AT1A1_MOUSE	Sodium/potassium-transporting ATPase subunit alpha-1	5	383	5.9	4.6	Transporter	Metabolism and transporters	**no**
Atl3	ATLA3_MOUSE	Atlastin-3	4	109	3.8	1.8	RE/Golgi organization	Vesicular Trafficking	**yes**
Atp5a1	ATPA_MOUSE	ATP synthase subunit alpha, mitochondrial	5	395	16.2	7.6	Mitochondrial membrane ATP synthase	Metabolism and transporters	**no**
Atp5b	ATPB_MOUSE	ATP synthase subunit beta, mitochondrial	5	396	18.6	7.4	Mitochondrial membrane ATP synthase	Metabolism and transporters	**no**
Atp5c1	ATPG_MOUSE	ATP synthase subunit gamma, mitochondrial	3	90	4.0	1	Mitochondrial membrane ATP synthase	Metabolism and transporters	**yes**
Atp5o	ATPO_MOUSE	ATP synthase subunit O, mitochondrial	2	106	5.2	1	Mitochondrial membrane ATP synthase	Metabolism and transporters	**no**
B2m	B2MG_MOUSE	Beta-2-microglobulin	3	76	7.6	1	Component of the class I major histocompatibility complex	Immunity, inflammation and oxygen transport	**no**
Bsg	BASI_MOUSE	Basigin	4	109	5.6	1.8	ECM remodeling	ECM and ECM remodeling	**no**
Basp1	BASP1_MOUSE	Brain acid soluble protein 1	2	62	13.9	2	Transcription regulation	Other	**no**
Calr	CALR_MOUSE	Calreticulin	3	64	9.3	1.7	Chaperonne	Chaperonne and adapter proteins	**no**
Canx	CALX_MOUSE	Calnexin	4	103	4.1	1.8	Chaperonne	Chaperonne and adapter proteins	**no**
Ctsd	CATD_MOUSE	Cathepsin D	3	99	6.2	2.3	Protease	Protein modification and homeostasis	**no**
Cav1	CAV1_MOUSE	Caveolin-1	5	115	18.4	2.4	Caveolae formation	Vesicular Trafficking	**no**
Cav2	CAV2_MOUSE	Caveolin-2	2	84	13.0	1.5	Caveolae formation	Vesicular Trafficking	**yes**
Cbr1	CBR1_MOUSE	Carbonyl reductase [NADPH] 1	2	44	4.0	1	Drug modification	Drug Resistance, detoxification and redox potential	**no**
Ccdc80	CCD80_MOUSE	Coiled-coil domain-containing protein 80	2	98	2.5	3	Cell adhesion	Cell adhesion, spreading, migration and invasion	**yes**
Cd36	CD36_MOUSE	CD36_MOUSE Platelet glycoprotein 4	5	125	9.8	3.6	Lipid transport	Metabolism and transporters	**yes**
Cd63	CD63_MOUSE	CD63 antigen	2	57	4.2	1	Tetraspanin	Vesicular Trafficking	**no**
Cd81	CD81_MOUSE	CD81 antigen	5	144	11.2	1.2	Tetraspanin	Vesicular Trafficking	**no**
Cd9	CD9_MOUSE	CD9 antigen	3	179	10.8	2	Tetraspanin	Vesicular Trafficking	**no**
Cdc42	CDC42_MOUSE	Cell division control protein 42 homolog	4	95	20.3	2.5	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Hspd1	CH60_MOUSE	60 kDa heat shock protein, mitochondrial	5	316	17.0	7.2	Adapter protein	Chaperonne and adapter proteins	**no**
Chmp4b	CHM4B_MOUSE	Charged multivesicular body protein 4b	2	114	13.4	2.5	Multivesicular body formation	Vesicular Trafficking	**no**
Cs	CISY_MOUSE	Citrate synthase, mitochondrial	3	101	5.6	2	TCA cycle	Metabolism and transporters	**no**
Cltc	CLH_MOUSE	Clathrin heavy chain 1	5	915	14.7	18.6	Vesicle component	Vesicular Trafficking	**no**
Clic1	CLIC1_MOUSE	Chloride intracellular channel protein 1	4	95	8.3	1.3	Transporter	Metabolism and transporters	**no**
Clu	CLUS_MOUSE	Clusterin	2	43	5.2	1.5	Chaperonne	Chaperonne and adapter proteins	**no**
Col1a1	CO1A1_MOUSE	Collagen alpha-1(I) chain	5	182	3.5	3.8	ECM	ECM and ECM remodeling	**no**
Col1a2	CO1A2_MOUSE	Collagen alpha-2(I) chain	4	90	2.2	2	ECM	ECM and ECM remodeling	**no**
C3	CO3_MOUSE	Complement C3	5	1108	15.6	20.8	Complement	Immunity, inflammation and oxygen transport	**no**
Col4a2	CO4A2_MOUSE	Collagen alpha-2(IV) chain	5	76	1.3	1.8	ECM	ECM and ECM remodeling	**no**
C4b	CO4B_MOUSE	Complement C4-B	4	187	3.1	5	Complement	Immunity, inflammation and oxygen transport	**no**
Col6a1	CO6A1_MOUSE	Collagen alpha-1(VI) chain	5	4649	40.2	39.4	ECM	ECM and ECM remodeling	**no**
Col6a2	CO6A2_MOUSE	Collagen alpha-2(VI) chain	5	3244	29.2	29.6	ECM	ECM and ECM remodeling	**no**
Cfl1	COF1_MOUSE	Cofilin-1	5	219	21.1	2.4	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Col15a1	COFA1_MOUSE	Collagen alpha-1(XV) chain	2	53	2.2	2.5	ECM	ECM and ECM remodeling	**yes**
Cyp2f2	CP2F2_MOUSE	Cytochrome P450 2F2	3	133	9.0	4.3	Detoxification	Drug Resistance, detoxification and redox potential	**yes**
Cpne1	CPNE1_MOUSE	Copine-1	3	48	2.0	1	Vesicle uptake	Vesicular Trafficking	**no**
Cpt2	CPT2_MOUSE	Carnitine O-palmitoyltransferase 2, mitochondrial	2	65	2.3	1	Lipid metabolism	Metabolism and transporters	**yes**
Slc44a1	CTL1_MOUSE	Choline transporter-like protein 1	4	57	2.1	1	Transporter	Metabolism and transporters	**no**
Ctnnb1	CTNB1_MOUSE	Catenin beta-1	2	47	1.2	1	Regulation of cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Cst3	CYTC_MOUSE	Cystatin-C	2	65	13.9	1.5	Protease regulation	Protein modification and homeostasis	**no**
Ddah1	DDAH1_MOUSE	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	2	54	3.5	1	Regulation of NO generation	Drug Resistance, detoxification and redox potential	**yes**
Decr1	DECR_MOUSE	2,4-dienoyl-CoA reductase, mitochondrial	2	41	3.0	1	Lipid metabolism	Metabolism and transporters	**yes**
Dgat1	DGAT1_MOUSE	Diacylglycerol O-acyltransferase 1	3	54	2.2	1	Lipid storage	Metabolism and transporters	**yes**
Hsd17b4	DHB4_MOUSE	Peroxisomal multifunctional enzyme type 2	2	42	2.6	1.5	Lipid metabolism	Metabolism and transporters	**yes**
Sdha	DHSA_MOUSE	Succinate dehydrogenase [ubiquinoe] flavoprotein subunit, mitochondrial	3	122	2.9	1.3	Oxphos and electron transfert	Metabolism and transporters	**yes**
Dld	DLDH_MOUSE	Dihydrolipoyl dehydrogenase, mitochondrial	2	42	3.7	1.5	TCA cycle	Metabolism and transporters	**no**
Dpep1	DPEP1_MOUSE	Dipeptidase 1	5	80	3.2	1.4	Drug resistance	Drug Resistance, detoxification and redox potential	**no**
Dpys	DPYS_MOUSE	Dihydropyrimidinase	3	53	2.1	1	Metabolic process (aminoacids and nucleotides)	Metabolism and transporters	**yes**
Dnah2	DYH2_MOUSE	Dynein heavy chain 2, axonemal	5	79	0.2	1	Vesicle motility	Vesicular Trafficking	**no**
Dync1h1	DYHC1_MOUSE	Cytoplasmic dynein 1 heavy chain 1	2	315	3.1	12.5	Vesicle motility	Vesicular Trafficking	**no**
Epb41l3	E41L3_MOUSE	Band 4.1-like protein 3	4	147	4.3	3	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Hadha	ECHA_MOUSE	Trifunctional enzyme subunit alpha, mitochondrial	5	97	5.1	2.4	Lipid metabolism	Metabolism and transporters	**yes**
Hadhb	ECHB_MOUSE	Trifunctional enzyme subunit beta, mitochondrial	3	54	1.9	1	Lipid metabolism	Metabolism and transporters	**yes**
Eef1a1	EF1A1_MOUSE	Elongation factor 1-alpha 1	5	246	15.2	6	Elongation factor	Protein biosynthesis	**no**
Eef2	EF2_MOUSE	Elongation factor 2	5	156	5.2	3.4	Elongation factor	Protein biosynthesis	**no**
Egfr	EGFR_MOUSE	Epidermal growth factor receptor	2	40	0.9	1	Signal transduction	Small GTPases/ small G proteins and signal transduction	**no**
Ehd1	EHD1_MOUSE	EH domain-containing protein 1	3	70	4.9	2	Membrane fusion	Vesicular Trafficking	**no**
Ehd2	EHD2_MOUSE	EH domain-containing protein 2	5	320	17.4	8	Membrane fusion	Vesicular Trafficking	**no**
Emb	EMB_MOUSE	Embigin	4	128	4.4	1.3	Regulator of cell/ECM interactions	Cell adhesion, spreading, migration and invasion	**yes**
Emilin1	EMIL1_MOUSE	EMILIN-1	5	138	5.6	3.6	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Eno1	ENOA_MOUSE	Alpha-enolase	5	393	21.2	8	Glycolysis	Metabolism and transporters	**no**
Hsp90b1	ENPL_MOUSE	Endoplasmin	5	192	7.4	4.4	Chaperonne	Chaperonne and adapter proteins	**no**
Fv4	ENV2_MOUSE	Retrovirus-related Env polyprotein from Fv-4 locus	2	119	1.2	1	Unknown	Other	**no**
Ero1l	ERO1A_MOUSE	ERO1-like protein alpha	2	132	6.4	2.5	Protein folding	Chaperonne and adapter proteins	**no**
Etfa	ETFA_MOUSE	Electron transfer flavoprotein subunit alpha, mitochondrial	3	80	7.4	1.7	Oxphos and electron transfert	Metabolism and transporters	**no**
Etfb	ETFB_MOUSE	Electron transfer flavoprotein subunit beta	3	127	11.4	2.3	Oxphos and electron transfert	Metabolism and transporters	**yes**
Etfdh	ETFD_MOUSE	Electron transfer flavoprotein-ubiquinoe oxidoreductase, mitochondrial	2	56	2.0	1	Oxphos and electron transfert	Metabolism and transporters	**yes**
Eva1b	EVA1B_MOUSE	Protein eva-1 homolog B	2	107	13.4	1	Unknown	Other	**no**
Fabp4	FABP4_MOUSE	Fatty acid-binding protein, adipocyte	5	185	24.5	2.8	Lipid transport	Metabolism and transporters	**yes**
Fabp5	FABP5_MOUSE	Fatty acid-binding protein, epidermal	3	86	10.6	1.3	Lipid transport	Metabolism and transporters	**no**
Farp1	FARP1_MOUSE	FERM, RhoGEF and pleckstrin domain-containing protein 1	2	69	1.3	1	GEF	Small GTPases/ small G proteins and signal transduction	**no**
Fasn	FAS_MOUSE	Fatty acid synthase	5	505	6.8	12.4	Lipid metabolism	Metabolism and transporters	**no**
Fbln1	FBLN1_MOUSE	Fibulin-1	4	144	4.6	2.8	Incorporated into fibronectin-containing matrix fibers.	ECM and ECM remodeling	**no**
Fbln2	FBLN2_MOUSE	Fibulin-2	5	444	9.2	8.2	Incorporated into fibronectin-containing matrix fibers.	ECM and ECM remodeling	**yes**
Efemp2	FBLN4_MOUSE	EGF-containing fibulin-like extracellular matrix protein 2	2	54	5.1	1.5	Incorporated into fibronectin-containing matrix fibers.	ECM and ECM remodeling	**yes**
Fn1	FINC_MOUSE	Fibronectin	5	5511	36.1	69.2	ECM	ECM and ECM remodeling	**no**
Flot1	FLOT1_MOUSE	Flotillin-1	2	59	4.2	1	Vesicles synthesis	Vesicular Trafficking	**no**
Ptgfrn	FPRP_MOUSE	Prostaglandin F2 receptor negative regulator	5	145	3.3	2.2	Lipid particles organization	Metabolism and transporters	**no**
Gapdh	G3P_MOUSE	Glyceraldehyde-3-phosphate dehydrogenase	5	1135	38.9	13.2	Glycolysis	Metabolism and transporters	**no**

Gpi	G6PI_MOUSE	Glucose-6-phosphate isomerase	2	211	5.0	2	Glycolysis	Metabolism and transporters	**no**
Glipr2	GAPR1_MOUSE	Golgi-associated plant pathogenesis-related protein 1	5	118	15.2	1.8	Regulation of signal transduction	Small GTPases/ small G proteins and signal transduction	**yes**
Gnb1	GBB1_MOUSE	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	5	111	9.5	2.8	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gnb2	GBB2_MOUSE	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	5	149	13.8	3.4	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gng12	GBG12_MOUSE	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	2	124	15.3	1	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Arhgdia	GDIR1_MOUSE	Rho GDP-dissociation inhibitor 1	5	113	11.2	1.4	Regulate Rho GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Gsn	GELS_MOUSE	Gelsolin	5	108	6.5	2.8	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Glrx1	GLRX1_MOUSE	Glutaredoxin-1	3	72	8.4	1	Detoxification and redox potential	Drug Resistance, detoxification and redox potential	**yes**
Prkcsh	GLU2B_MOUSE	Glucosidase 2 subunit beta	2	75	1.9	1	N-glycan processing	Protein modification and homeostasis	**yes**
Gna13	GNA13_MOUSE	Guanine nucleotide-binding protein subunit alpha-13	3	85	3.6	1.3	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gnai2	GNAI2_MOUSE	Guanine nucleotide-binding protein G(i), alpha-2 subunit	5	207	17.1	4.2	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gnao	GNAO_MOUSE	Guanine nucleotide-binding protein G(o) subunit alpha	3	114	8.8	2.3	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gnas	GNAS1_MOUSE	Guanine nucleotide-binding protein G(s) subunit alpha isoforms Xlas	2	77	2.3	2	G protein	Small GTPases/ small G proteins and signal transduction	**no**
Gpd1	GPDA_MOUSE	Glycerol-3-phosphate dehydrogenase [NAD+], cytoplasmic	4	60	6.7	1.8	Link between carbohydrate metabolism and lipid metabolism	Metabolism and transporters	**yes**
Hspa9	GRP75_MOUSE	Stress-70 protein, mitochondrial	5	184	9.5	5	Chaperonne	Chaperonne and adapter proteins	**no**
Hspa5	GRP78_MOUSE	78 kDa glucose-regulated protein	5	621	20.3	10.4	Chaperonne	Chaperonne and adapter proteins	**no**
Gsto1	GSTO1_MOUSE	Glutathione S-transferase omega-1	2	54	5.4	1.5	Detoxification	Drug Resistance, detoxification and redox potential	**no**
Gstp1	GSTP1_MOUSE	Glutathione S-transferase P 1	3	190	11.1	1.7	Detoxification	Drug Resistance, detoxification and redox potential	**no**
Slc2a1	GTR1_MOUSE	Solute carrier family 2, facilitated glucose transporter member 1	5	218	4.6	2.8	Transporter	Metabolism and transporters	**no**
Slc2a4	GTR4_MOUSE	Solute carrier family 2, facilitated glucose transporter member 4	5	101	5.1	1.6	Transporter	Metabolism and transporters	**yes**
Gys1	GYS1_MOUSE	Glycogen [starch] synthase, muscle	3	107	1.9	1.3	Glycogen biogenesis	Metabolism and transporters	**no**
Hist1h2ab	H2A1_MOUSE	Histone H2A type 1	5	76	16.1	1.2	Chromatin organization	Other	**no**
Hist1h2bh	H2B1H_MOUSE	Histone H2B type 1-H	2	131	27.4	3	Chromatin organization	Other	**no**
Hist1h4a	H4_MOUSE	Histone H4	5	92	24.1	2.4	Chromatin organization	Other	**no**
H2-D1	HA11_MOUSE	H-2 class I histocompatibility antigen, D-B alpha chain	3	401	18.0	5	Antigen processing and presentation	Immunity, inflammation and oxygen transport	**no**
H2-L	HA1L_MOUSE	H-2 class I histocompatibility antigen, L-D alpha chain	5	205	13.3	3.4	Antigen processing and presentation	Immunity, inflammation and oxygen transport	**no**
H2-K1	HA1Q_MOUSE	H-2 class I histocompatibility antigen, K-Q alpha chain	2	83	11.4	2.5	Antigen processing and presentation	Immunity, inflammation and oxygen transport	**no**
Hba	HBA_MOUSE	Hemoglobin subunit alpha	5	51	11.8	1.2	Oxygen transport	Immunity, inflammation and oxygen transport	**no**
Hadh	HCDH_MOUSE	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	3	109	5.3	1.3	Lipid metabolism	Metabolism and transporters	**yes**
Hnrnph2	HNRH2_MOUSE	Heterogeneous nuclear ribonucleoprotein H2	2	86	3.8	1	hnRNP component	Other	**no**
Hp	HPT_MOUSE	Haptoglobin	5	177	11.9	3.6	Regulate HBA and immune response	Immunity, inflammation and oxygen transport	**yes**
Hsp90aa1	HS90A_MOUSE	Heat shock protein HSP 90-alpha	5	231	6.1	4	Chaperonne	Chaperonne and adapter proteins	**no**
Hsp90ab1	HS90B_MOUSE	Heat shock protein HSP 90-beta	5	464	15.9	9.2	Chaperonne	Chaperonne and adapter proteins	**no**
Hspa8	HSP7C_MOUSE	Heat shock cognate 71 kDa protein	5	593	24.5	13.6	Chaperonne	Chaperonne and adapter proteins	**no**
Idh3a	IDH3A_MOUSE	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	3	78	2.8	1	TCA cycle	Metabolism and transporters	**yes**
Idhc	IDHC_MOUSE	Isocitrate dehydrogenase [NADP] cytoplasmic	5	98	5.9	2	TCA cycle	Metabolism and transporters	**no**
Eif4a1	IF4A1_MOUSE	Eukaryotic initiation factor 4A-I	3	188	8.3	3	Initiation factor	Protein biosynthesis	**no**
Ifitm3	IFM3_MOUSE	Interferon-induced transmembrane protein 3	4	91	13.1	2	Antiviral response	Immunity, inflammation and oxygen transport	**no**
Igsf8	IGSF8_MOUSE	Immunoglobulin superfamily member 8	5	99	5.0	2.6	Vesicle formation	Vesicular Trafficking	**no**
Kpnb1	IMB1_MOUSE	Importin subunit beta-1	4	163	3.1	2.3	Protein intracellular transport	Other	**no**
Iqgap1	IQGA1_MOUSE	Ras GTPase-activating-like protein IQGAP1	2	131	2.9	3.5	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Itga5	ITA5_MOUSE	Integrin alpha-5	5	126	3.3	2.6	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Itgav	ITAV_MOUSE	Integrin alpha-V	2	68	2.1	1.5	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Itgb1	ITB1_MOUSE	Integrin beta-1	5	114	6.4	3.6	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Itih2	ITIH2_MOUSE	Inter-alpha-trypsin inhibitor heavy chain H2	5	148	3.7	3.6	Protease inhibitor	Protein modification and homeostasis	**no**
Itih3	ITIH3_MOUSE	Inter-alpha-trypsin inhibitor heavy chain H3	4	60	1.7	1.5	Protease inhibitor	Protein modification and homeostasis	**no**
Pkm	KPYM_MOUSE	Pyruvate kinase isozymes M1/M2	5	429	22.7	8.6	Glycolysis	Metabolism and transporters	**no**
Lama4	LAMA4_MOUSE	Laminin subunit alpha-4	2	45	1.0	1.5	ECM	ECM and ECM remodeling	**no**
Lamb1	LAMB1_MOUSE	Laminin subunit beta-1	2	50	0.8	1	ECM	ECM and ECM remodeling	**no**
Lamc1	LAMC1_MOUSE	Laminin subunit gamma-1	3	66	1.4	1.7	ECM	ECM and ECM remodeling	**no**
Lamp2	LAMP2_MOUSE	Lysosome-associated membrane glycoprotein 2	3	64	3.1	1.3	Tumor cell metastasis	Cell adhesion, spreading, migration and invasion	**no**
Lnpep	LCAP_MOUSE	Leucyl-cystinyl aminopeptidase	3	193	4.8	4.3	Release of an N-terminal amino acid	Protein modification and homeostasis	**yes**
Ldha	LDHA_MOUSE	L-lactate dehydrogenase A chain	5	118	13.0	3.4	Lactate metabolic process	Metabolism and transporters	**no**
Ldhb	LDHB_MOUSE	L-lactate dehydrogenase B chain	2	40	3.6	1	Lactate metabolic process	Metabolism and transporters	**no**
Lgals1	LEG1_MOUSE	Galectin-1	2	71	15.6	1.5	Strong inducer of T-cell apoptosis	Immunity, inflammation and oxygen transport	**no**
Lgals3bp	LG3BP_MOUSE	Galectin-3-binding protein	5	1268	33.6	16	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Lpgat1	LGAT1_MOUSE	Acyl-CoA:lysophosphatidylglycerol acyltransferase 1	3	49	4.6	1.7	Lipid metabolism	Metabolism and transporters	**yes**
Lpl	LIPL_MOUSE	Lipoprotein lipase	5	500	25.0	9.4	Lipid metabolism	Metabolism and transporters	**yes**
Lipe	LIPS_MOUSE	Hormone-sensitive lipase	5	101	3.2	1.8	Lipid metabolism	Metabolism and transporters	**yes**
Lman1	LMAN1_MOUSE	Protein ERGIC-53	4	42	2.1	1	Vesicle-mediated transport	Vesicular Trafficking	**yes**
Ppap2a	LPP1_MOUSE	Lipid phosphate phosphohydrolase 1	4	36	5.7	1	Lipid metabolism	Metabolism and transporters	**yes**
Ppap2b	LPP3_MOUSE	Lipid phosphate phosphohydrolase 3	2	62	4.2	1	Lipid metabolism	Metabolism and transporters	**yes**
Lrp1	LRP1_MOUSE	Prolow-density lipoprotein receptor-related protein 1	3	141	1.5	5	Drug Resistance	Drug Resistance, detoxification and redox potential	**yes**
Marcks	MARCS_MOUSE	Myristoylated alanine-rich C-kinase substrate	2	213	11.0	2	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Mdh2	MDHM_MOUSE	Malate dehydrogenase, mitochondrial	5	250	18.9	4.2	TCA cycle	Metabolism and transporters	**no**
Medag	MEDAG_MOUSE	Mesenteric estrogen-dependent adipogenesis protein	4	39	4.0	1	Adipocyte differenciation	Metabolism and transporters	**yes**
Mfge8	MFGM_MOUSE	Lactadherin	5	1288	42.7	18.6	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Mif	MIF_MOUSE	Macrophage migration inhibitory factor	3	98	9.6	1.3	Pro-inflammatory cytokine	Immunity, inflammation and oxygen transport	**no**
Aldh6a1	MMSA_MOUSE	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	2	197	9.6	3	Lipid metabolism	Metabolism and transporters	**yes**
Msn	MOES_MOUSE	Moesin	5	173	8.2	5	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Slc16a1	MOT1_MOUSE	Monocarboxylate transporter 1	4	207	6.4	2	Transporters	Metabolism and transporters	**no**
M6pr	MPRD_MOUSE	Cation-dependent mannose-6-phosphate receptor	2	231	9.0	1.5	Protein intracellular transport	Other	**no**
Igf2r	MPRI_MOUSE	Cation-independent mannose-6-phosphate receptor	2	79	1.0	2.5	Protein intracellular transport	Other	**no**
Mrc2	MRC2_MOUSE	C-type mannose receptor 2	2	63	0.9	1	Endocytosis	Vesicular Trafficking	**yes**
Abcc1	MRP1_MOUSE	Multidrug resistance-associated protein 1	2	44	0.6	1	Drug Resistance	Drug Resistance, detoxification and redox potential	**no**
Mug1	MUG1_MOUSE	Murinoglobulin-1	2	68	1.3	2	Protein homeostasis	Protein modification and homeostasis	**yes**
Mvp	MVP_MOUSE	Major vault protein	5	1807	45.7	31.4	Drug Resistance	Drug Resistance, detoxification and redox potential	**no**
Myadm	MYADM_MOUSE	Myeloid-associated differentiation marker	2	248	6.9	1.5	Cell spreading	Cell adhesion, spreading, migration and invasion	**no**
Myh9	MYH9_MOUSE	Myosin-9	4	103	2.7	3.8	Intracellular vesicular Trafficking	Vesicular Trafficking	**no**
Myl6	MYL6_MOUSE	Myosin light polypeptide 6	2	60	16.9	2	Intracellular vesicular Trafficking	Vesicular Trafficking	**no**
Myo1c	MYO1C_MOUSE	Myosin-Ic	5	511	12.3	10.4	Intracellular vesicular Trafficking	Vesicular Trafficking	**no**
Myof	MYOF_MOUSE	Myoferlin	3	129	1.1	2	Vesicle formation	Vesicular Trafficking	**no**
Naalad2	NALD2_MOUSE	N-acetylated-alpha-linked acidic dipeptidase 2	2	44	2.8	2	Protein homeostasis	Protein modification and homeostasis	**yes**
Cyb5r3	NB5R3_MOUSE	NADH-cytochrome b5 reductase 3	4	166	12.2	3	Lipid metabolism	Metabolism and transporters	**yes**
Nid1	NID1_MOUSE	Nidogen-1	4	81	2.1	2.3	Cell/ECM interaction	Cell adhesion, spreading, migration and invasion	**no**
Nid2	NID2_MOUSE	Nidogen-2	5	489	13.3	11.4	Cell/ECM interaction	Cell adhesion, spreading, migration and invasion	**yes**
Scp2	NLTP_MOUSE	no-specific lipid-transfer protein	2	64	2.4	1.5	Lipid transport	Metabolism and transporters	**yes**
Nptn	NPTN_MOUSE	Neuroplastin	3	49	4.5	1	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Ogdh	ODO1_MOUSE	2-oxoglutarate dehydrogenase, mitochondrial	2	41	1.4	1.5	TCA cycle	Metabolism and transporters	**yes**
Dlst	ODO2_MOUSE	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex	3	67	2.8	1.3	TCA cycle	Metabolism and transporters	**no**
Dlat	ODP2_MOUSE	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex	2	79	2.8	1	TCA cycle	Metabolism and transporters	**yes**
Pdhb	ODPB_MOUSE	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	3	204	5.6	1.7	Link between glycolysis and TCA circle	Metabolism and transporters	**yes**
Ola1	OLA1_MOUSE	Obg-like ATPase 1	2	83	3.8	1	Cell/ECM interaction	Cell adhesion, spreading, migration and invasion	**no**
P4ha1	P4HA1_MOUSE	Prolyl 4-hydroxylase subunit alpha-1	2	73	3.6	1.5	ECM remodeling	ECM and ECM remodeling	**yes**
Pcolce	PCOC1_MOUSE	Procollagen C-endopeptidase enhancer 1	5	69	3.4	1.2	ECM remodeling	ECM and ECM remodeling	**yes**
Pdcd6ip	PDC6I_MOUSE	Programmed cell death 6-interacting protein	5	254	7.2	5	MVB machinery	Vesicular Trafficking	**no**
Pdcd6	PDCD6_MOUSE	Programmed cell death protein 6	2	73	9.4	1.5	MVB machinery	Vesicular Trafficking	**no**
P4hb	PDIA1_MOUSE	Protein disulfide-isomerase	5	355	17.8	7.6	Protein folding	Chaperonne and adapter proteins	**no**
Pdia3	PDIA3_MOUSE	Protein disulfide-isomerase A3	3	55	4.2	1.7	Protein folding	Chaperonne and adapter proteins	**no**
Pdia4	PDIA4_MOUSE	Protein disulfide-isomerase A4	4	66	4.6	3	Protein folding	Chaperonne and adapter proteins	**no**
Pdia6	PDIA6_MOUSE	Protein disulfide-isomerase A6	2	62	3.3	1	Protein folding	Chaperonne and adapter proteins	**no**
Serpinf1	PEDF_MOUSE	Pigment epithelium-derived factor	5	99	4.8	1.6	Signal transduction	Small GTPases/ small G proteins and signal transduction	**no**
Pfkl	PFKAL_MOUSE	ATP-dependent 6-phosphofructokinase, liver type	4	171	5.0	2.8	Glycolysis	Metabolism and transporters	**no**
Pgam1	PGAM1_MOUSE	Phosphoglycerate mutase 1	5	122	19.7	3.6	Glycolysis	Metabolism and transporters	**no**
Hspg2	PGBM_MOUSE	Basement membrane-specific heparan sulfate proteoglycan core protein	5	1176	12.6	29	ECM	ECM and ECM remodeling	**no**
Pgk1	PGK1_MOUSE	Phosphoglycerate kinase 1	5	326	18.8	5.6	Glycolysis	Metabolism and transporters	**no**
Phb	PHB_MOUSE	Prohibitin	2	132	15.4	3	Signal transduction	Small GTPases/ small G proteins and signal transduction	**no**
Phb2	PHB2_MOUSE	Prohibitin-2	2	62	7.0	1.5	Signal transduction	Small GTPases/ small G proteins and signal transduction	**no**
Plac8	PLAC8_MOUSE	Placenta-specific gene 8 protein	5	121	13.4	1	Brown Fat cell differenciation	Metabolism and transporters	**yes**
Plce1	PLCE1_MOUSE	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase epsilon-1	2	43	0.5	1	Signal transduction	Small GTPases/ small G proteins and signal transduction	**no**
Plg	PLMN_MOUSE	Plasminogen	3	32	1.0	1	Inflammatory response	Immunity, inflammation and oxygen transport	**no**
Plod1	PLOD1_MOUSE	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	4	58	3.5	2	ECM remodeling	ECM and ECM remodeling	**no**
Plod3	PLOD3_MOUSE	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	2	65	4.5	2.5	ECM remodeling	ECM and ECM remodeling	**yes**
Plscr1	PLS1_MOUSE	Phospholipid scramblase 1	2	42	3.1	1	Lipid scramblase	Metabolism and transporters	**no**
Plscr3	PLS3_MOUSE	Phospholipid scramblase 3	3	77	7.4	1.7	Lipid scramblase	Metabolism and transporters	**no**
Ppia	PPIA_MOUSE	Peptidyl-prolyl cis-trans isomerase A	5	226	32.9	4.2	Protein modification	Protein modification and homeostasis	**no**
Prdx1	PRDX1_MOUSE	Peroxiredoxin-1	4	100	17.3	3.3	Redox regulation	Drug Resistance, detoxification and redox potential	**no**
Prdx2	PRDX2_MOUSE	Peroxiredoxin-2	3	47	8.8	1.7	Redox regulation	Drug Resistance, detoxification and redox potential	**no**
Prdx5	PRDX5_MOUSE	Peroxiredoxin-5, mitochondrial	4	99	12.6	2.3	Redox regulation	Drug Resistance, detoxification and redox potential	**no**
Pfn1	PROF1_MOUSE	Profilin-1	2	40	12.1	1	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Psmc6	PRS10_MOUSE	protease regulatory subunit S10B	2	115	5.7	2	Protein homeostasis	Protein modification and homeostasis	**no**
Psmc3	PRS6A_MOUSE	protease regulatory subunit 6A	4	52	3.4	1	Protein homeostasis	Protein modification and homeostasis	**no**
Pten	PTEN_MOUSE	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	2	42	2.5	1	Lipid metabolism	Metabolism and transporters	**yes**
Ptrf	PTRF_MOUSE	Polymerase I and transcript release factor	5	129	10.4	2.2	Vesicle formation	Vesicular Trafficking	**no**
Ptx3	PTX3_MOUSE	Pentraxin-related protein PTX3	4	240	17.3	5.3	Inflammatory response	Immunity, inflammation and oxygen transport	**no**
Pc	PYC_MOUSE	Pyruvate carboxylase, mitochondrial	5	555	11.7	9.6	Lipid metabolism	Metabolism and transporters	**yes**
Rab10	RAB10_MOUSE	Ras-related protein Rab-10	4	116	9.8	1.8	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rab14	RAB14_MOUSE	Ras-related protein Rab-14	2	39	6.1	1	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rab1b	RAB1B_MOUSE	Ras-related protein Rab-1B	4	138	14.9	2.5	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**

Rab5c	RAB5C_MOUSE	Ras-related protein Rab-5C	4	101	9.4	1.5	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rab7a	RAB7A_MOUSE	Ras-related protein Rab-7a	4	142	6.4	1	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rac1	RAC1_MOUSE	Ras-related C3 botulinum toxin substrate 1	2	69	19.0	3	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Ralb	RALB_MOUSE	Ras-related protein Ral-B	3	78	5.8	1	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rap1b	RAP1B_MOUSE	Ras-related protein Rap-1b	5	281	20.8	3.8	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rarres2	RARR2_MOUSE	Retinoic acid receptor responder protein 2	2	59	15.4	1.5	Lipid metabolism	Metabolism and transporters	**yes**
Rhoa	RHOA_MOUSE	Transforming protein RhoA	5	68	10.8	1.8	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rhoc	RHOC_MOUSE	Rho-related GTP-binding protein RhoC	3	93	11.4	1.7	Small GTPase	Small GTPases/ small G proteins and signal transduction	**no**
Rpl14	RL14_MOUSE	60S ribosomal protein L14	2	76	5.8	1	Ribosomal Protein	Protein biosynthesis	**no**
Rpl18	RL18_MOUSE	60S ribosomal protein L18	5	130	9.5	1.6	Ribosomal Protein	Protein biosynthesis	**no**
Rpl4	RL4_MOUSE	60S ribosomal protein L4	4	72	6.7	1.8	Ribosomal Protein	Protein biosynthesis	**no**
Rpl6	RL6_MOUSE	60S ribosomal protein L6	4	50	8.0	1.8	Ribosomal Protein	Protein biosynthesis	**no**
Rpl7	RL7_MOUSE	60S ribosomal protein L7	5	101	5.0	1.4	Ribosomal Protein	Protein biosynthesis	**no**
Rpn1	RPN1_MOUSE	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	3	77	3.5	1.7	Protein glycosylation	Protein modification and homeostasis	**no**
Rpn2	RPN2_MOUSE	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	2	53	5.3	1.5	Protein glycosylation	Protein modification and homeostasis	**no**
Rps16	RS16_MOUSE	40S ribosomal protein S16	2	74	11.3	2	Ribosomal Protein	Protein biosynthesis	**no**
Rps2	RS2_MOUSE	40S ribosomal protein S2	4	55	4.7	1.3	Ribosomal Protein	Protein biosynthesis	**no**
Rps3	RS3_MOUSE	40S ribosomal protein S3	2	160	15.4	3	Ribosomal Protein	Protein biosynthesis	**no**
Rps4x	RS4X_MOUSE	40S ribosomal protein S4, X isoform	3	148	4.7	1.3	Ribosomal Protein	Protein biosynthesis	**no**
Rps8	RS8_MOUSE	40S ribosomal protein S8	5	114	6.9	1.2	Ribosomal Protein	Protein biosynthesis	**no**
S100a4	S10A4_MOUSE	Protein S100-A4	5	106	25.7	2.2	EMT transition	Cell adhesion, spreading, migration and invasion	**no**
S100a10	S10AA_MOUSE	Protein S100-A10	2	106	29.9	2.5	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
S100a11	S10AB_MOUSE	Protein S100-A11	2	63	21.9	1.5	Cell proliferation	Other	**no**
Oxct1	SCOT1_MOUSE	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial	3	43	3.1	1	Ketone metabolism	Metabolism and transporters	**yes**
Sdcbp	SDCB1_MOUSE	Syntenin-1	5	133	10.0	2.2	Exosomal secretion	Vesicular Trafficking	**no**
Cxcl12	SDF1_MOUSE	Stromal cell-derived factor 1	2	62	23.2	2	Chemokine	Cell adhesion, spreading, migration and invasion	**yes**
Sept2	SEPT2_MOUSE	Septin-2	3	64	4.7	1	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Sept7	SEPT7_MOUSE	Septin-7	3	50	3.1	1.7	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Phgdh	SERA_MOUSE	D-3-phosphoglycerate dehydrogenase	2	84	4.1	2	Amino-acid biosynthesis	Metabolism and transporters	**no**
Serpinh1	SERPH_MOUSE	Serpin H1	5	236	17.0	5.4	ECM remodeling	ECM and ECM remodeling	**yes**
Sod1	SODC_MOUSE	Superoxide dismutase [Cu-Zn]	2	80	12.0	1.5	Destroy radicals	Drug Resistance, detoxification and redox potential	**no**
Sparc	SPRC_MOUSE	SPARC	2	40	5.3	1	Cell adhesion	Cell adhesion, spreading, migration and invasion	**yes**
Stom	STOM_MOUSE	Erythrocyte band 7 integral membrane protein	5	94	6.3	1.4	Lipid rafts organization	Vesicular Trafficking	**no**
Ston2	STON2_MOUSE	Stonin-2	4	314	1.0	1	Vesicular recycling	Vesicular Trafficking	**no**
Tmem120a	T120A_MOUSE	Transmembrane protein 120A	2	46	2.9	1	Unknown	Other	**yes**
Tuba1a	TBA1A_MOUSE	Tubulin alpha-1A chain	4	798	32.0	9.8	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tuba1b	TBA1B_MOUSE	Tubulin alpha-1B chain	4	934	34.9	11.3	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tuba1c	TBA1C_MOUSE	Tubulin alpha-1C chain	3	675	26.4	8.3	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tubb2a	TBB2A_MOUSE	Tubulin beta-2A chain	3	624	28.5	10.7	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tubb2c	TBB2C_MOUSE	Tubulin beta-2C chain	4	642	33.2	10.8	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tubb3	TBB3_MOUSE	Tubulin beta-3 chain	3	436	21.5	8.7	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Tubb5	TBB5_MOUSE	Tubulin beta-5 chain	5	795	41.1	14	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Cct2	TCPB_MOUSE	T-complex protein 1 subunit beta	3	93	9.7	3.7	Chaperonne	Chaperonne and adapter proteins	**no**
Vcp	TERA_MOUSE	Transitional endoplasmic reticulum ATPase	5	383	12.7	7.6	Intracellular vesicular Trafficking	Vesicular Trafficking	**no**
F3	TF_MOUSE	Tissue factor	3	61	12.2	2	Inflammatory response	Immunity, inflammation and oxygen transport	**yes**
Acaa1a	THIKA_MOUSE	3-ketoacyl-CoA thiolase A, peroxisomal	3	84	13.4	3.7	Lipid metabolism	Metabolism and transporters	**yes**
Acaa1b	THIKB_MOUSE	3-ketoacyl-CoA thiolase B, peroxisomal	2	43	3.1	1	Lipid metabolism	Metabolism and transporters	**yes**
Acat1	THIL_MOUSE	Acetyl-CoA acetyltransferase, mitochondrial	3	62	2.8	1	Lipid metabolism	Metabolism and transporters	**yes**
Mpst	THTM_MOUSE	3-mercaptopyruvate sulfurtransferase	2	34	3.2	1	Antioxidant	Drug Resistance, detoxification and redox potential	**yes**
Thy1	THY1_MOUSE	Thy-1 membrane glycoprotein	5	76	12.7	2	Cell adhesion	Cell adhesion, spreading, migration and invasion	**yes**
Tkt	TKT_MOUSE	Transketolase	3	77	5.3	2	Carbohydrate synthesis	Metabolism and transporters	**no**
Tln1	TLN1_MOUSE	Talin-1	3	96	1.0	2	Cytoskeleton organization	Cytoskeleton componant and organization	**no**
Fas	TNR6_MOUSE	Tumor necrosis factor receptor superfamily member 6	2	50	3.4	1	Apoptotic process	Other	**no**
Tpi1	TPIS_MOUSE	Triosephosphate isomerase	4	184	16.8	3	Glycolysis	Metabolism and transporters	**no**
Tpp1	TPP1_MOUSE	Tripeptidyl-peptidase 1	2	78	2.5	1	Protein homeostasis	Protein modification and homeostasis	**no**
Tsg101	TS101_MOUSE	Tumor susceptibility gene 101 protein	2	41	2.6	1	Component of the ESCRT-I complex	Vesicular Trafficking	**no**
Tsp1	TSP1_MOUSE	Thrombospondin-1	4	60	1.6	1.8	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Tusc5	TUSC5_MOUSE	Tumor suppressor candidate 5 homolog	2	61	6.9	1	Fat metabolism	Metabolism and transporters	**yes**
Uba1	UBA1_MOUSE	Ubiquitin-like modifier-activating enzyme 1	3	141	5.8	4	Protein homeostasis	Protein modification and homeostasis	**no**
Ubb	UBB_MOUSE	Polyubiquitin-B	5	652	16.8	4	Protein homeostasis	Protein modification and homeostasis	**no**
Vapa	VAPA_MOUSE	Vesicle-associated membrane protein-associated protein A	4	42	4.4	1	Vesicle transport	Transport	**no**
Vat1	VAT1_MOUSE	Synaptic vesicle membrane protein VAT-1 homolog	5	79	6.4	2	Vesicle fusion	Vesicular Trafficking	**no**
Vdac1	VDAC1_MOUSE	Voltage-dependent anion-selective channel protein 1	3	101	10.6	2.3	Ion transport	Metabolism and transporters	**no**
Vdac2	VDAC2_MOUSE	Voltage-dependent anion-selective channel protein 2	3	130	7.2	1.7	Ion transport	Metabolism and transporters	**yes**
Vime	VIME_MOUSE	Vimentin	4	209	13.1	5.3	Cytoskeleton componant	Cytoskeleton componant and organization	**no**
Vcl	VINC_MOUSE	Vinculin	2	92	4.1	3.5	Cell adhesion	Cell adhesion, spreading, migration and invasion	**no**
Atp6v0a1	VPP1_MOUSE	V-type proton ATPase 116 kDa subunit a isoform 1	2	40	1.2	1	Oxphos and electron transfert	Metabolism and transporters	**no**
Vtn	VTNC_MOUSE	Vitronectin	4	219	3.8	2	Cell adhesion and spreading	Cell adhesion, spreading, migration and invasion	**no**
Znf638	ZN638_MOUSE	Zinc finger protein 638	2	41	0.5	1.5	Adipocyte differenciation	Metabolism and transporters	**no**