Table 1. Proteins with significantly upregulated expressions in db/db mice

Accession number	Protein name	$\log_2$(db/db/control)	-$\log_{10}$ (P-value)[a]
CFAB_MOUSE	Complement factor B	4.260	2.684
HBA_MOUSE	Hemoglobin subunit alpha	1.960	1.528
HBB1_MOUSE	Hemoglobin subunit beta-1	1.573	1.311
APOA2_MOUSE	Apolipoprotein A-II	1.516	2.188
GSTA4_MOUSE	Glutathione S-transferase A4	1.340	1.885
SC23A_MOUSE	Protein transport protein Sec23A	1.318	1.421
BRWD3_MOUSE	Bromodomain and WD repeat-containing protein 3	1.029	1.353
PLMN_MOUSE	Plasminogen	1.024	1.337
RBP2_MOUSE	E3 SUMO-protein ligase RanBP2	0.679	1.388
MCPT4_MOUSE	Mast cell protease 4	0.659	1.559
TRYB2_MOUSE	Tryptase beta-2	0.659	1.365
DC1I2_MOUSE	Cytoplasmic dynein 1 intermediate chain 2	0.636	1.371
K1C10_MOUSE	Keratin, type I cytoskeletal 10	0.605	1.332
ITIH3_MOUSE	Inter-alpha-trypsin inhibitor heavy chain H3	0.583	1.619
A1AT1_MOUSE	Alpha-1-antitrypsin 1-1	0.552	1.772
GSTA1_MOUSE	Glutathione S-transferase A1	0.539	1.349
DHB4_MOUSE	Peroxisomal multifunctional enzyme type 2	0.512	1.722
LEGL_MOUSE	Galectin-related protein	0.512	1.426
PRDX5_MOUSE	Peroxiredoxin-5, mitochondrial	0.484	1.426

DHX15_MOUSE	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	0.446	1.621
IQGA1_MOUSE	Ras GTPase-activating-like protein IQGAP1	0.436	1.366
U2AF2_MOUSE	Splicing factor U2AF 65 kDa subunit	0.435	1.365
CNBP_MOUSE	Cellular nucleic acid-binding protein	0.394	1.912
ENDOU_MOUSE	Poly(U)-specific endoribonuclease	0.380	1.461
DDX21_MOUSE	Nucleolar RNA helicase 2	0.368	1.584
AK1A1_MOUSE	Aldo-keto reductase family 1 member A1	0.362	1.416
RBM39_MOUSE	RNA-binding protein 39	0.356	1.318
VATC1_MOUSE	V-type proton ATPase subunit C 1	0.353	1.650
K2C6A_MOUSE	Keratin, type II cytoskeletal 6A	0.332	1.460
EF1B_MOUSE	Elongation factor 1-beta	0.318	2.674
DPYL3_MOUSE	Dihydropyrimidinase-related protein 3	0.316	2.044
CP2S1_MOUSE	Cytochrome P450 2S1	0.307	2.129
K1C24_MOUSE	Keratin, type I cytoskeletal 24	0.307	1.899
IF2H_MOUSE	Eukaryotic translation initiation factor 2 subunit 3, Y-linked	0.301	1.981
PGK1_MOUSE	Phosphoglycerate kinase 1	0.285	1.699
EZRI_MOUSE	Ezrin	0.284	1.346
APOH_MOUSE	Beta-2-glycoprotein 1	0.282	1.329
AN32E_MOUSE	Acidic leucine-rich nuclear phosphoprotein 32 family member E	0.275	1.360

[a]The significance between control and db/db mice were tested using Welch's *t*-test.

Table 2. Proteins with significantly downregulated expressions in db/db mice

Accession number	Protein name	$\log_2$(db/db/control)	$-\log_{10}$ (P-value)[a]
RS23_MOUSE	40S ribosomal protein S23	-0.381	1.322
PCOC1_MOUSE	Procollagen C endopeptidase enhancer 1	-0.442	1.660
SERPH_MOUSE	Serpin H1	-0.469	1.822
NDUA2_MOUSE	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	-0.566	1.405
MT1_MOUSE	Metallothionein-1	-0.628	1.316
PDIA6_MOUSE	Protein disulfide-isomerase A6	-0.727	1.351
LYG1_MOUSE	Lysozyme g-like protein 1	-0.809	1.558
RHG29_MOUSE	Rho GTPase-activating protein 29	-0.813	1.439
SPRR3_MOUSE	Small proline-rich protein 3	-0.925	1.485
AMY1_MOUSE	Alpha-amylase 1	-1.337	1.695
BPIA2_MOUSE	BPI fold-containing family A member 2	-1.342	1.577
CGBP1_MOUSE	CGG triplet repeat-binding protein 1	-1.504	2.459
ADA_MOUSE	Adenosine deaminase	-1.952	1.520
AOXD_MOUSE	Aldehyde oxidase 4	-2.642	2.976
K2C4_MOUSE	Keratin, type II cytoskeletal 4	-2.727	1.876

TRADD_MOUSE	Tumor necrosis factor receptor type 1-associated DEATH domain protein	-2.911	1.944
A1AT5_MOUSE	Alpha-1-antitrypsin 1-5	-3.519	1.762

[a]The significance between control and db/db mice were tested using Welch's *t*-test.