

Electronic Supplementary Table 8. List of differentially abundant proteins in metformin-treated diabetic retina.

Accession	Gene Symbol	Name	db vs dbM <i>p</i>-value
ENSMUSP00000069692	4930572J05Rik	RIKEN cDNA 4930572J05 gene	0.004
ENSMUSP00000034983	Atp1b3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	0.040
ENSMUSP00000019231	Atp6ap1	ATPase, H ⁺ transporting, lysosomal accessory protein 1	0.004
ENSMUSP00000027853	Brp44	brain protein 44	0.005
ENSMUSP00000049457	Cacna2d1	calcium channel, voltage-dependent, alpha2/delta subunit 1	0.035
ENSMUSP00000010210	Cacna2d2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	0.045
ENSMUSP00000025166	Cdh2	cadherin 2	0.010
ENSMUSP00000084464	Cnga1	cyclic nucleotide gated channel alpha 1	0.041
ENSMUSP00000034881	Cox7a2	cytochrome c oxidase, subunit VIIa 2	0.007
ENSMUSP00000044924	Dhrs7b	dehydrogenase/reductase (SDR family) member 7B	0.034
ENSMUSP00000099012	Dpp6	dipeptidylpeptidase 6	0.043
ENSMUSP00000018851	Dync1h1	dynein cytoplasmic 1 heavy chain 1	0.008
ENSMUSP00000052287	Elmod2	ELMO domain containing 2	0.036
ENSMUSP00000029654	Glrb	glycine receptor, beta subunit	0.029
ENSMUSP00000100802	Gm4294	predicted gene 4294	0.035
ENSMUSP00000085850	Gm6543	predicted gene 6543	0.017
ENSMUSP00000046557	Gng12	guanine nucleotide binding protein (G protein), gamma 12	0.022
ENSMUSP00000072195	Hk1	hexokinase 1	0.027
ENSMUSP00000025486	Lmnb1	lamin B1	0.003
ENSMUSP00000022099	Lpcat1	lysophosphatidylcholine acyltransferase 1	0.001
ENSMUSP00000026013	Maoa	monoamine oxidase A	0.017
ENSMUSP00000055776	Mlec	malectin	0.002

ENSMUSP00000080991	mt-Nd1	mitochondrially encoded NADH dehydrogenase 1	0.001
ENSMUSP00000081000	mt-Nd4	mitochondrially encoded NADH dehydrogenase 4	0.009
ENSMUSP00000081001	mt-Nd5	mitochondrially encoded NADH dehydrogenase 5	0.030
ENSMUSP00000021170	Mxra7	matrix-remodelling associated 7	0.014
ENSMUSP00000045864	Nceh1	arylacetamide deacetylase-like 1	0.020
ENSMUSP00000020209	Ndufa12	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	0.005
ENSMUSP00000105796	Ndufa13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	0.037
ENSMUSP00000031637	Ndufa4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4	0.012
ENSMUSP00000085523	Ndufa9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9	0.016
ENSMUSP00000043543	Ndufb10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	0.010
ENSMUSP00000092746	Ndufb6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6	0.027
ENSMUSP00000099364	Nsf	N-ethylmaleimide sensitive fusion protein	0.039
ENSMUSP00000034992	Nt5e	5' nucleotidase, ecto	0.002
ENSMUSP00000004375	Phb2	prohibitin 2	0.008
ENSMUSP00000024773	Prph2	peripherin 2	0.048
ENSMUSP00000021548	Rdh12	retinol dehydrogenase 12	0.046
ENSMUSP00000032471	Rho	rhodopsin	0.016
ENSMUSP00000093961	Rom1	rod outer segment membrane protein 1	0.003
ENSMUSP00000115722	Rpl13a	ribosomal protein L13A	0.047
ENSMUSP00000058368	Rpl18a	ribosomal protein L18A	0.009
ENSMUSP00000034966	Rpl4	ribosomal protein L4	0.017
ENSMUSP00000099907	Rtn4	reticulum 4	0.018
ENSMUSP00000106968	Sdhc	succinate dehydrogenase complex, subunit C, integral membrane protein	0.032
ENSMUSP00000049022	Sirpa	signal-regulatory protein alpha	0.001
ENSMUSP00000045216	Slc16a1	solute carrier family 16 (monocarboxylic acid transporters), member 1	0.033
ENSMUSP00000005493	Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	0.037
ENSMUSP00000016463	Slc25a5	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5	0.018
ENSMUSP00000101874	Stx1b	syntaxin 1B	0.036
ENSMUSP00000082254	Sv2b	synaptic vesicle glycoprotein 2 b	0.031

ENSMUSP00000026624	Tm9sf2	transmembrane 9 superfamily member 2	0.036
ENSMUSP00000037583	Tmed10	transmembrane emp24-like trafficking protein 10 (yeast)	0.010
ENSMUSP00000023062	Tomm22	translocase of outer mitochondrial membrane 22 homolog (yeast)	0.040
ENSMUSP00000032555	Tomm40	translocase of outer mitochondrial membrane 40 homolog (yeast)	0.034
ENSMUSP00000005817	Tomm40l	translocase of outer mitochondrial membrane 40 homolog-like (yeast)	0.041
ENSMUSP00000027738	Tor1aip1	torsin A interacting protein 1	0.024
ENSMUSP00000071135	Tubb4a	tubulin, beta 4A class IVA	0.021
ENSMUSP00000019649	Ubb	ubiquitin B	0.001
ENSMUSP00000054856	Uqcr10	ubiquinol-cytochrome c reductase, complex III subunit X	0.006
ENSMUSP00000021993	Uqcrb	ubiquinol-cytochrome c reductase binding protein	0.033
ENSMUSP00000026743	Uqcrc1	ubiquinol-cytochrome c reductase core protein 1	0.004
ENSMUSP00000024897	Vapa	vesicle-associated membrane protein, associated protein A	0.029
