

Additional File 6: Table S2

Upregulated genes in *Prnp*^{ZH3/ZH3} compared to *Prnp*^{+/-}

Gene	Name	padj_Ko vs Wt
Abhd8	abhydrolase domain containing 8(Abhd8)	0,000108971
Acad12	acyl-Coenzyme A dehydrogenase family, member 12(Acad12)	0,00370349
Adamts2	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 2(Adamts2)	0,013525708
Adamts15	ADAMTS-like 5(Adamts15)	2,82101E-05
Adarb2	adenosine deaminase, RNA-specific, B2(Adarb2)	0,007849456
Adhfe1	alcohol dehydrogenase, iron containing, 1(Adhfe1)	0,002190853
Adora2b	adenosine A2b receptor(Adora2b)	4,24189E-18
Adrb2	adrenergic receptor, beta 2(Adrb2)	0,000439986
AI987944	expressed sequence AI987944(AI987944)	1,92487E-14
Ajuba	ajuba LIM protein(Ajuba)	0,005071766
Aldh1a3	aldehyde dehydrogenase family 1, subfamily A3(Aldh1a3)	0,000443768
Aldh111	aldehyde dehydrogenase 1 family, member L1(Aldh111)	0,001718877
Anapc13	anaphase promoting complex subunit 13(Anapc13)	1,99277E-06
Angptl7	angiotensin-like 7(Angptl7)	0,024025842
Apoc3	apolipoprotein C-III(Apoc3)	0,019261329
Arhgap26	Rho GTPase activating protein 26(Arhgap26)	1,09315E-08
Arhgap33	Rho GTPase activating protein 33(Arhgap33)	0,000123622
Arhgdig	Rho GDP dissociation inhibitor (GDI) gamma(Arhgdig)	3,15408E-07
Arl5c	ADP-ribosylation factor-like 5C(Arl5c)	0,026903754
Aspdh	aspartate dehydrogenase domain containing(Aspdh)	0,017047962
Aspg	asparaginase(Aspg)	0,006771728
Atp5d	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit(Atp5d)	0,00039469
Atp5e	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit(Atp5e)	2,71606E-05
Atp5j2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2(Atp5j2)	0,000951904
B3gnt7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7(B3gnt7)	0,026262529
B9d1	B9 protein domain 1(B9d1)	0,00013909
Bace2	beta-site APP-cleaving enzyme 2(Bace2)	0,04258515
Baiap2l1	BAI1-associated protein 2-like 1(Baiap2l1)	3,46451E-05
Blnk	B cell linker(Blnk)	0,01909235
Blvrb	biliverdin reductase B (flavin reductase (NADPH))(Blvrb)	0,003374943
Bola2	bolA-like 2 (E. coli)(Bola2)	0,001621668
C1qa	complement component 1, q subcomponent, alpha polypeptide(C1qa)	0,001061274
C2cd4c	C2 calcium-dependent domain containing 4C(C2cd4c)	0,003273898
C77080	expressed sequence C77080(C77080)	0,001282304
Car8	carbonic anhydrase 8(Car8)	0,001173458
Cartpt	CART prepropeptide(Cartpt)	0,037712862
Casq2	calsequestrin 2(Casq2)	0,00014535
Catsperg2	catsper channel auxiliary subunit gamma 2(Catsperg2)	1,90518E-10
Cav3	caveolin 3(Cav3)	0,041711219
Ccnb1ip1	cyclin B1 interacting protein 1(Ccnb1ip1)	0,003848558
Cd14	CD14 antigen(Cd14)	0,000374514
Cd209b	CD209b antigen(Cd209b)	0,042559733
Cd209g	CD209g antigen(Cd209g)	0,042785929
Cd244	CD244 natural killer cell receptor 2B4(Cd244)	0,013998529
Cdh23	cadherin 23 (otocadherin)(Cdh23)	0,044266118
Cdh24	cadherin-like 24(Cdh24)	2,29496E-33
Ceacam15	carcinoembryonic antigen-related cell adhesion molecule 15(Ceacam15)	0,022321421
Cebpa	CCAAT/enhancer binding protein (C/EBP), alpha(Cebpa)	0,018975288
Cgref1	cell growth regulator with EF hand domain 1(Cgref1)	0,026222006
Cib2	calcium and integrin binding family member 2(Cib2)	2,7864E-05
Clcnka	chloride channel, voltage-sensitive Ka(Clcnka)	0,0009127
Cldn10	claudin 10(Cldn10)	3,44589E-10
Clec11a	C-type lectin domain family 11, member a(Clec11a)	0,025691417
Cmb1	carboxymethylenebutenolidase-like (Pseudomonas)(Cmb1)	0,04339448
Col11a1	collagen, type XI, alpha 1(Col11a1)	0,020643276
Col16a1	collagen, type XVI, alpha 1(Col16a1)	0,023948264
Col9a2	collagen, type IX, alpha 2(Col9a2)	0,009065738
Colgalt2	collagen beta(1-O)galactosyltransferase 2(Colgalt2)	1,89405E-12
Coq8b	coenzyme Q8B(Coq8b)	4,28282E-05
Cox14	cytochrome c oxidase assembly protein 14(Cox14)	0,000252078
Cox16	cytochrome c oxidase assembly protein 16(Cox16)	0,02205668
Cox18	cytochrome c oxidase assembly protein 18(Cox18)	0,010310937
Cox8a	cytochrome c oxidase subunit VIIIa(Cox8a)	0,000273249
Cplx1	complexin 1(Cplx1)	7,7592E-12
Crhr1	corticotropin releasing hormone receptor 1(Crhr1)	0,0212643
Csf3r	colony stimulating factor 3 receptor (granulocyte)(Csf3r)	0,014773473
Cst6	cystatin E/M(Cst6)	0,045690563
Ctu1	cytosolic thiolase subunit 1(Ctu1)	4,94178E-05
Cyp2j13	cytochrome P450, family 2, subfamily j, polypeptide 13(Cyp2j13)	9,64977E-05
Cyp2j9	cytochrome P450, family 2, subfamily j, polypeptide 9(Cyp2j9)	3,6628E-07
Cyp4f14	cytochrome P450, family 4, subfamily f, polypeptide 14(Cyp4f14)	3,50098E-05
Cyr61	cysteine rich protein 61(Cyr61)	0,003444989
D8Ert738e	DNA segment, Chr 8, ERATO Doi 738, expressed(D8Ert738e)	2,54235E-06
Dapl1	death associated protein-like 1(Dapl1)	0,034745775

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Derl3	Der1-like domain family, member 3(Derl3)	0,028116083
Dgcr6	DiGeorge syndrome critical region gene 6(Dgcr6)	0,000398309
Dhrs3	dehydrogenase/reductase (SDR family) member 3(Dhrs3)	1,24633E-06
Diaph3	diaphanous related formin 3(Diaph3)	0,011686966
Dmpk	dystrophia myotonica-protein kinase(Dmpk)	0,004617504
Dnah14	dynein, axonemal, heavy chain 14(Dnah14)	5,02964E-15
Draxin	dorsal inhibitory axon guidance protein(Draxin)	0,011359434
Emc9	ER membrane protein complex subunit 9(Emc9)	0,006178541
Eno1b	enolase 1B, retrotransposed(Eno1b)	1,66114E-17
Epb41l4a	erythrocyte membrane protein band 4.1 like 4a(Epb41l4a)	0,005523429
Ephx2	epoxide hydrolase 2, cytoplasmic(Ephx2)	4,05297E-05
Ethe1	ethylmalonic encephalopathy 1(Ethe1)	0,005413669
Fahd2a	fumarylacetoacetate hydrolase domain containing 2A(Fahd2a)	0,001626607
Fars2	phenylalanine-tRNA synthetase 2 (mitochondrial)(Fars2)	0,000286633
Fau	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived)(Fau)	7,54284E-05
Fbxo2	F-box protein 2(Fbxo2)	5,79723E-06
Fbxo6	F-box protein 6(Fbxo6)	3,13747E-06
Fcgr1	Fc receptor, IgG, high affinity I(Fcgr1)	0,001805163
Fchsd1	FCH and double SH3 domains 1(Fchsd1)	0,028000124
Fgd2	FYVE, RhoGEF and PH domain containing 2(Fgd2)	0,007298807
Filip1l	filamin A interacting protein 1-like(Filip1l)	0,001506306
Foxo6	forkhead box O6(Foxo6)	0,040219376
Frmd3	FERM domain containing 3(Frmd3)	0,02462044
Fxyd1	FXYD domain-containing ion transport regulator 1(Fxyd1)	0,048938601
Fxyd6	FXYD domain-containing ion transport regulator 6(Fxyd6)	0,04378888
Fzd1	frizzled class receptor 1(Fzd1)	0,048910076
Gabra2	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 2(Gabra2)	0,002552168
Gadd45b	growth arrest and DNA-damage-inducible 45 beta(Gadd45b)	0,020103162
Gal	galanin(Gal)	0,045213367
Gbp2b	guanylate binding protein 2b(Gbp2b)	1,87894E-07
Ghsr	growth hormone secretagogue receptor(Ghsr)	0,000278679
Gimap6	GTPase, IMAP family member 6(Gimap6)	0,029150268
Gipc1	GIPC PDZ domain containing family, member 1(Gipc1)	2,38641E-05
Gng13	guanine nucleotide binding protein (G protein), gamma 13(Gng13)	5,02712E-09
Gon4l	gon-4-like (C.elegans)(Gon4l)	8,53386E-13
Gpat2	glycerol-3-phosphate acyltransferase 2, mitochondrial(Gpat2)	0,005660112
Gpatch11	G patch domain containing 11(Gpatch11)	0,000160568
Gpld1	glycosylphosphatidylinositol specific phospholipase D1(Gpld1)	0,000730313
Gpx3	glutathione peroxidase 3(Gpx3)	0,009403913
Grap	GRB2-related adaptor protein(Grap)	0,000110831
Grem2	gremlin 2, DAN family BMP antagonist(Grem2)	1,27291E-05
Grk4	G protein-coupled receptor kinase 4(Grk4)	0,018519885
Gsta4	glutathione S-transferase, alpha 4(Gsta4)	7,05251E-07
Gstp1	glutathione S-transferase, pi 1(Gstp1)	0,004849194
Gucy2c	guanylate cyclase 2c(Gucy2c)	0,008990065
H2-Q2	histocompatibility 2, Q region locus 2(H2-Q2)	0,047318323
H2-T23	histocompatibility 2, T region locus 23(H2-T23)	0,044740374
H2-T24	histocompatibility 2, T region locus 24(H2-T24)	0,036180825
Hacd1	3-hydroxyacyl-CoA dehydratase 1(Hacd1)	0,003737597
Hap1	huntingtin-associated protein 1(Hap1)	0,009139401
Haus4	HAUS augmin-like complex, subunit 4(Haus4)	6,24157E-08
Hddc3	HD domain containing 3(Hddc3)	0,002322164
Hebp2	heme binding protein 2(Hebp2)	0,014896141
Hist1h2ba	histone cluster 1, H2ba(Hist1h2ba)	0,00024879
Hist2h2bb	histone cluster 2, H2bb(Hist2h2bb)	1,17483E-12
Hmgcs2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2(Hmgcs2)	0,002194486
Hn1	hematological and neurological expressed sequence 1(Hn1)	3,54789E-07
Hnf1b	HNF1 homeobox B(Hnf1b)	0,000123622
Hpn	hepsin(Hpn)	0,016575122
Hrh2	histamine receptor H2(Hrh2)	0,01214204
Hspb7	heat shock protein family, member 7 (cardiovascular)(Hspb7)	0,039219681
Htra3	HtrA serine peptidase 3(Htra3)	0,047713851
Ifi202b	interferon activated gene 202B(Ifi202b)	5,78911E-09
Igfbp3	insulin-like growth factor binding protein 3(Igfbp3)	0,010686063
Igfbp6	insulin-like growth factor binding protein 6(Igfbp6)	0,006690813
Igsf21	immunoglobulin superfamily, member 21(Igsf21)	0,001969598
Il10ra	interleukin 10 receptor, alpha(IL10ra)	0,000138811
Inpp4a	inositol polyphosphate-4-phosphatase, type I(Inpp4a)	4,28282E-05
Inv5	inversin(Inv5)	0,003682237
Irf5	interferon regulatory factor 5(Irf5)	0,006063789
Itih3	inter-alpha trypsin inhibitor, heavy chain 3(Itih3)	8,19695E-05
Kcne1l	potassium voltage-gated channel, Isk-related family, member 1-like, pseudogene(Kcne1l)	0,035393066
Kcnh6	potassium voltage-gated channel, subfamily H (eag-related), member 6(Kcnh6)	0,003501711
Kcnj16	potassium inwardly-rectifying channel, subfamily J, member 16(Kcnj16)	0,000245359
Klhl33	kelch-like 33(Klhl33)	0,023876645
Klrg1	killer cell lectin-like receptor subfamily G, member 1(Klrg1)	0,000290116
Kptn	kaptin(Kptn)	4,48332E-11
Lcat	lecithin cholesterol acyltransferase(Lcat)	0,00115684
Ldhd	lactate dehydrogenase D(Ldhd)	8,09733E-09

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Lgi4	leucine-rich repeat LGI family, member 4(Lgi4)	9,93698E-12
Limk1	LIM-domain containing, protein kinase(Limk1)	0,000431861
Lims2	LIM and senescent cell antigen like domains 2(Lims2)	0,029705811
Lpl	lipoprotein lipase(Lpl)	0,024385469
Lrrc27	leucine rich repeat containing 27(Lrrc27)	0,000137807
Lsm3	LSM3 homolog, U6 small nuclear RNA and mRNA degradation associated(Lsm3)	0,001412329
Lsp1	lymphocyte specific 1(Lsp1)	0,000236691
Lst1	leukocyte specific transcript 1(Lst1)	0,003984899
Ly6h	lymphocyte antigen 6 complex, locus H(Ly6h)	0,033625344
Ly86	lymphocyte antigen 86(Ly86)	0,016535425
Lyplal1	lysophospholipase-like 1(Lyplal1)	1,0244E-14
Mad2l2	MAD2 mitotic arrest deficient-like 2(Mad2l2)	7,67117E-06
Mael	maelstrom spermatogenic transposon silencer(Mael)	0,035363452
March3	membrane-associated ring finger (C3HC4) 3(March3)	0,045087706
Mdk	midkine(Mdk)	0,014512013
Mien1	migration and invasion enhancer 1(Mien1)	3,30779E-10
Mill2	MHC I like leukocyte 2(Mill2)	0,000506448
Mme	membrane metallo endopeptidase(Mme)	0,001023525
Mrap2	melanocortin 2 receptor accessory protein 2(Mrap2)	0,005085478
Mroh5	maestro heat-like repeat family member 5(Mroh5)	0,034391061
Mroh7	maestro heat-like repeat family member 7(Mroh7)	0,010174898
Mrpl34	mitochondrial ribosomal protein L34(Mrpl34)	0,029340219
Mt3	metallothionein 3(Mt3)	7,87719E-06
Mttp	microsomal triglyceride transfer protein(Mttp)	1,09827E-08
Mup5	major urinary protein 5(Mup5)	0,020290342
Mxra7	matrix-remodelling associated 7(Mxra7)	0,009825154
Myh6	myosin, heavy polypeptide 6, cardiac muscle, alpha(Myh6)	2,20426E-13
Myh8	myosin, heavy polypeptide 8, skeletal muscle, perinatal(Myh8)	2,90074E-09
Myl1	myosin, light polypeptide 1(Myl1)	0,002327962
Nat8f5	N-acetyltransferase 8 (GCN5-related) family member 5(Nat8f5)	0,023403006
Ndn	neccdin(Ndn)	8,76444E-08
Ndrp2	N-myc downstream regulated gene 2(Ndrp2)	1,20517E-15
Nedd8	neural precursor cell expressed, developmentally down-regulated gene 8(Nedd8)	1,03678E-05
Ngdn	neuroguidin, EIF4E binding protein(Ngdn)	4,42626E-06
Nkain4	Na+/K+ transporting ATPase interacting 4(Nkain4)	2,32098E-05
Nnat	neuronatin(Nnat)	0,032092937
Npas1	neuronal PAS domain protein 1(Npas1)	0,003227579
Nr2f6	nuclear receptor subfamily 2, group F, member 6(Nr2f6)	0,02166182
Nrk	Nik related kinase(Nrk)	0,047417636
Nrsn1	neurensin 1(Nrsn1)	5,15932E-08
Ntn4	netrin 4(Ntn4)	8,98546E-05
Nudt2	nudix (nucleoside diphosphate linked moiety X)-type motif 2(Nudt2)	0,000620555
Ost4	oligosaccharyltransferase complex subunit 4 (non-catalytic)(Ost4)	9,38489E-05
Ostf1	osteoclast stimulating factor 1(Ostf1)	0,00035024
Oxtr	oxytocin receptor(Oxtr)	0,032103073
P4ha3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III(P4ha3)	0,015854643
Padi2	peptidyl arginine deiminase, type II(Padi2)	0,007437629
Palm3	paralemmin 3(Palm3)	0,006189613
Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2(Papss2)	0,005787804
Pcbd2	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2(Pcbd2)	0,007332987
Pcdhb3	protocadherin beta 3(Pcdhb3)	8,19695E-05
Pcdhb6	protocadherin beta 6(Pcdhb6)	0,001327989
Pcdhb7	protocadherin beta 7(Pcdhb7)	0,000432829
Pcdhb8	protocadherin beta 8(Pcdhb8)	6,62307E-06
Pcsk1n	proprotein convertase subtilisin/kexin type 1 inhibitor(Pcsk1n)	0,008338887
Pdzk1	PDZ domain containing 1(Pdzk1)	0,007782851
Pgbd1	piggyBac transposable element derived 1(Pgbd1)	0,016680571
Pigf	phosphatidylinositol glycan anchor biosynthesis, class F(Pigf)	0,005869219
Pin1	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1(Pin1)	0,005918898
Pip5kl1	phosphatidylinositol-4-phosphate 5-kinase-like 1(Pip5kl1)	0,014731124
Pkp1	plakophilin 1(Pkp1)	0,019978324
Plscr2	phospholipid scramblase 2(Plscr2)	0,014896141
Plvap	plasmalemma vesicle associated protein(Plvap)	0,008338887
Podxl2	podocalyxin-like 2(Podxl2)	0,020259441
Ppp1r3g	protein phosphatase 1, regulatory (inhibitor) subunit 3G(Ppp1r3g)	0,014655538
Proca1	protein interacting with cyclin A1(Proca1)	5,37244E-08
Proser3	proline and serine rich 3(Proser3)	0,024183861
Prtn3	proteinase 3(Prtn3)	0,045690563
Psmb10	proteasome (prosome, macropain) subunit, beta type 10(Psmb10)	4,14628E-05
Psmb11	proteasome (prosome, macropain) subunit, beta type, 11(Psmb11)	9,03225E-16
Psmg4	proteasome (prosome, macropain) assembly chaperone 4(Psmg4)	0,000308357
Pth1r	parathyroid hormone 1 receptor(Pth1r)	0,012803732
Pvalb	parvalbumin(Pvalb)	0,009247559
Pxmp2	peroxisomal membrane protein 2(Pxmp2)	0,000309658
Pyroxd2	pyridine nucleotide-disulphide oxidoreductase domain 2(Pyroxd2)	0,000209316
Qsox1	quiescin Q6 sulfhydryl oxidase 1(Qsox1)	3,15507E-07
Rabac1	Rab acceptor 1 (prenylated)(Rabac1)	2,13046E-06
Ramp1	receptor (calcitonin) activity modifying protein 1(Ramp1)	0,000326559
Rdh13	retinol dehydrogenase 13 (all-trans and 9-cis)(Rdh13)	2,45414E-05

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Rdm1	RAD52 motif 1(Rdm1)	0,00021784
Reg3b	regenerating islet-derived 3 beta(Reg3b)	0,000705532
Resp18	regulated endocrine-specific protein 18(Resp18)	0,038218746
Rgcc	regulator of cell cycle(Rgcc)	0,027545958
Rgs11	regulator of G-protein signaling like 1(Rgs11)	0,012803732
Rnase1	ribonuclease, RNase A family, 1 (pancreatic)(Rnase1)	9,11616E-16
Rnaseh2c	ribonuclease H2, subunit C(Rnaseh2c)	0,003719927
Rnd2	Rho family GTPase 2(Rnd2)	0,000598745
Rnf223	ring finger 223(Rnf223)	0,012886903
Rnls	renalase, FAD-dependent amine oxidase(Rnls)	0,030187967
Romo1	reactive oxygen species modulator 1(Romo1)	0,002521045
Rpa2	replication protein A2(Rpa2)	2,32898E-05
Rplp1	ribosomal protein, large, P1(Rplp1)	0,001762362
Rxfp3	relaxin family peptide receptor 3(Rxfp3)	0,025262545
S100b	S100 protein, beta polypeptide, neural(S100b)	6,62307E-06
Sag	S-antigen, retina and pineal gland (arrestin)(Sag)	0,005760837
Samd11	sterile alpha motif domain containing 11(Samd11)	0,024128788
Scrg1	scrapie responsive gene 1(Scrg1)	0,029641461
Sdhc	succinate dehydrogenase complex, subunit C, integral membrane protein(Sdhc)	3,23692E-11
Selenbp2	selenium binding protein 2(Selenbp2)	7,60827E-10
Sema4g	sema domain, immunoglobulin domain (Ig), (semaphorin) 4G(Sema4g)	0,001488735
Serf1	small EDRK-rich factor 1(Serf1)	2,01762E-06
Serpina3f	serine (or cysteine) peptidase inhibitor, clade A, member 3F(Serpina3f)	0,006759948
Serpind1	serine (or cysteine) peptidase inhibitor, clade D, member 1(Serpind1)	0,002291179
Sgpp2	sphingosine-1-phosphate phosphatase 2(Sgpp2)	0,047318323
Sgsm2	small G protein signaling modulator 2(Sgsm2)	1,99277E-06
Sh2b2	SH2B adaptor protein 2(Sh2b2)	0,005441559
Shh	sonic hedgehog(Shh)	0,044428741
Slamf8	SLAM family member 8(Slamf8)	5,06196E-07
Slc13a5	solute carrier family 13 (sodium-dependent citrate transporter), member 5(Slc13a5)	0,000112413
Slc15a3	solute carrier family 15, member 3(Slc15a3)	0,007430117
Slc16a1	solute carrier family 16 (monocarboxylic acid transporters), member 1(Slc16a1)	0,020817532
Slc1a6	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6(Slc1a6)	0,030729958
Slc25a31	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31(Slc25a31)	0,018115939
Slc2a5	solute carrier family 2 (facilitated glucose transporter), member 5(Slc2a5)	0,000676652
Slc30a2	solute carrier family 30 (zinc transporter), member 2(Slc30a2)	0,024438813
Slc36a2	solute carrier family 36 (proton/amino acid symporter), member 2(Slc36a2)	0,044726931
Slc7a7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7(Slc7a7)	0,04830052
Smdt1	single-pass membrane protein with aspartate rich tail 1(Smdt1)	1,26407E-05
Smim1	small integral membrane protein 1(Snim1)	0,002788164
Smyd1	SET and MYND domain containing 1(Smyd1)	0,001871246
Sncb	synuclein, beta(Sncb)	0,004661403
Snrnp25	small nuclear ribonucleoprotein 25 (U11/U12)(Snrnp25)	2,60939E-05
Sp100	nuclear antigen Sp100(Sp100)	0,033739435
Sparc	secreted acidic cysteine rich glycoprotein(Sparc)	0,003889208
Spink10	serine peptidase inhibitor, Kazal type 10(Spink10)	0,035313138
Stk10	serine/threonine kinase 10(Stk10)	0,019988929
Strc	stereocilin(Strc)	0,007385701
Sumf2	sulfatase modifying factor 2(Sumf2)	0,003052813
Susd2	sushi domain containing 2(Susd2)	0,003052813
Susd5	sushi domain containing 5(Susd5)	0,006459583
Swt1	SWT1 RNA endoribonuclease homolog (S. cerevisiae)(Sw1)	0,002117681
Syt11	synaptotagmin-like 1(Syt11)	0,003088137
Tbc1d9b	TBC1 domain family, member 9B(Tbc1d9b)	4,33403E-20
Tcap	titin-cap(Tcap)	0,000401008
Tgfb1	transforming growth factor, beta 1(Tgfb1)	0,007728873
Timp4	tissue inhibitor of metalloproteinase 4(Timp4)	9,3705E-06
Tlcd2	TLC domain containing 2(Tlcd2)	0,022415558
Tlr1	toll-like receptor 1(Tlr1)	0,0128052
Tlr6	toll-like receptor 6(Tlr6)	0,022460838
Tmem132e	transmembrane protein 132E(Tmem132e)	0,03038241
Tmem173	transmembrane protein 173(Tmem173)	0,000334003
Tmem176a	transmembrane protein 176A(Tmem176a)	0,038218746
Tmem30c	transmembrane protein 30C(Tmem30c)	0,014993972
Tmem74b	transmembrane protein 74B(Tmem74b)	0,012898105
Tmod3	tropomodulin 3(Tmod3)	0,00275412
Tmod4	tropomodulin 4(Tmod4)	0,000122148
Tmsb10	thymosin, beta 10(Tmsb10)	0,00167863
Tnfaip8	tumor necrosis factor, alpha-induced protein 8(Tnfaip8)	0,000483409
Tpm2	tropomyosin 2, beta(Tpm2)	0,007924549
Trabd2b	TraB domain containing 2B(Trabd2b)	0,019580787
Traf3ip3	TRAF3 interacting protein 3(Traf3ip3)	0,015136822
Trappc6a	trafficking protein particle complex 6A(Trappc6a)	0,000178642
Tsks	testis-specific serine kinase substrate(Tsks)	0,007782851
Tspan17	tetraspanin 17(Tspan17)	8,61665E-05
Ttc9b	tetratricopeptide repeat domain 9B(Ttc9b)	0,017345165
Ttk	Ttk protein kinase(Ttk)	0,015098252
Tuba1c	tubulin, alpha 1C(Tuba1c)	0,0254744
Tusc1	tumor suppressor candidate 1(Tusc1)	0,040833696

Additional File 6: Table S2

Tyrbp	TYRO protein tyrosine kinase binding protein(Tyrbp)	0,000181857
Uba5	ubiquitin-like modifier activating enzyme 5(Uba5)	6,89074E-24
Unc119	unc-119 lipid binding chaperone(Unc119)	0,000251962
Uqcc2	ubiquinol-cytochrome c reductase complex assembly factor 2(Uqcc2)	0,00010448
Uqcc3	ubiquinol-cytochrome c reductase complex assembly factor 3(Uqcc3)	1,79836E-05
Uqcr11	ubiquinol-cytochrome c reductase, complex III subunit XI(Uqcr11)	0,000374312
Uqcrq	ubiquinol-cytochrome c reductase, complex III subunit VII(Uqcrq)	0,001631318
Uty	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome(Uty)	0,000835085
Wbscr27	Williams Beuren syndrome chromosome region 27 (human)(Wbscr27)	0,01110656
Wdfy1	WD repeat and FYVE domain containing 1(Wdfy1)	0,000122974
Wnt4	wingless-type MMTV integration site family, member 4(Wnt4)	0,009155246
Wnt7a	wingless-type MMTV integration site family, member 7A(Wnt7a)	0,01214204