Supplemental Table 1a

ACCN	Gene Symbol	Gene Name	T-Test p-value	RP p-value	FC KO|WT
NM_009606.1	*Acta1*	actin, alpha 1, skeletal muscle	0.01	0.00	12.0
NM_009610.1	*Actg2*	actin, gamma 2, smooth muscle, enteric	0.01	0.00	2.2
NM_009626.2	*Adh7*	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	0.01	0.00	3.6
NM_028121.2	*Adpgk*	ADP-dependent glucokinase	0.00	0.00	21.5
AI574175.1	*AI574175*	expressed sequence AI574175	0.03	0.00	2.1
NM_009731.1	*Akr1b7*	aldo-keto reductase family 1, member B7	0.03	0.00	2.5
NM_177275.2	*Amigo3*	amphoterin induced gene and ORF 3	0.01	0.00	2.5
NM_029898.1	*Ankrd55*	ankyrin repeat domain 55	0.03	0.00	2.1
NM_009685.1	*Apbb1*	amyloid beta (A4) precursor protein-binding, family B, member 1	0.01	0.00	2.5
NM_007473.3	*Aqp7*	aquaporin 7	0.02	0.00	2.7
AI506359.1	*Arhgef12*	Rho guanine nucleotide exchange factor (GEF) 12	0.01	0.00	6.0
AK044114.1	*B230208B08Rik*	RIKEN cDNA B230208B08 gene	0.03	0.00	2.5
BM938798.1	*Cadps*	Ca2+-dependent secretion activator	0.01	0.00	3.2
NM_011332.2	*Ccl17*	chemokine (C-C motif) ligand 17	0.00	0.00	3.0
NM_009139.1	*Ccl6*	chemokine (C-C motif) ligand 6	0.04	0.00	2.7
NM_011338.1	*Ccl9*	chemokine (C-C motif) ligand 9	0.02	0.00	3.1
NM_007686.1	*Cfi*	complement component factor i	0.00	0.00	2.2
NM_172621.1	*Clic5*	chloride intracellular channel 5	0.00	0.00	2.5
NM_009922.2	*Cnn1*	calponin 1	0.03	0.00	2.2
NM_031396.1	*Cnnm1*	cyclin M1	0.01	0.00	2.5
BX528891.1	*Cnnm1*	cyclin M1	0.00	0.00	2.3
NM_027024.2	*Cst13*	cystatin 13	0.01	0.00	2.0
NM_009978.1	*Cst8*	cystatin 8 (cystatin-related epididymal spermatogenic)	0.00	0.00	2.1
NM_007817.1	*Cyp2f2*	cytochrome P450, family 2, subfamily f, polypeptide 2	0.01	0.00	2.6
NM_139219.1	*Defb9*	defensin beta 9	0.02	0.00	3.7
BB343266.2	*Dip2b*	DIP2 disco-interacting protein 2 homolog B (Drosophila)	0.02	0.00	2.1
NM_020265.3	*Dkk2*	dickkopf homolog 2 (Xenopus laevis)	0.00	0.00	6.0
AK020222.1	*Dnhd1*	dynein heavy chain domain 1	0.03	0.00	2.1
NM_176933.3	*Dusp4*	dual specificity phosphatase 4	0.03	0.00	2.1
AK087736.1	*E330013P06*	hypothetical protein E330013P06	0.01	0.00	4.2
NM_133362.1	*Erdr1*	erythroid differentiation regulator 1	0.00	0.00	4.1

NM_010157.3	*Esr2*	estrogen receptor 2 (beta)	0.04	0.00	3.0
AK078610.1	*Fam155a*	family with sequence similarity 155, member A	0.01	0.00	5.3
NM_173446.1	*Fam155a*	family with sequence similarity 155, member A	0.02	0.00	2.6
CF578283.1	*Gpc6*	glypican 6	0.01	0.00	2.2
NM_010352.1	*Gsg1*	germ cell-specific gene 1	0.03	0.00	2.3
BC082537.1	*Hepacam*	hepatocyte cell adhesion molecule	0.03	0.00	2.8
NM_175189.3	*Hepacam*	hepatocyte cell adhesion molecule	0.01	0.00	2.2
CK334862.1	*Hist1h2ae*	histone cluster 1, H2ae	0.02	0.00	2.1
NM_008263.1	*Hoxa10*	homeobox A10	0.01	0.00	5.2
NM_010450.1	*Hoxa11*	homeo box A11	0.00	0.00	4.8
NM_008273.1	*Hoxd11*	homeobox D11	0.01	0.00	3.0
BY762577.1	*Ikzf3*	IKAROS family zinc finger 3	0.00	0.00	2.0
BB245041.2	*Kctd8*	potassium channel tetramerisation domain containing 8	0.05	0.00	2.7
NM_026324.1	*Kirrel3*	kin of IRRE like 3 (Drosophila)	0.04	0.00	2.1
BI106231.1	*Kpna2*	karyopherin (importin) alpha 2	0.00	0.00	7.4
NM_010701.1	*Lect1*	leukocyte cell derived chemotaxin 1	0.05	0.00	2.1
AK086355.1	*Lsamp*	limbic system-associated membrane protein	0.03	0.00	2.1
NM_008518.1	*Ltb*	lymphotoxin B	0.00	0.00	2.1
AK004706.1	*Mdga1*	MAM domain containing glycosylphosphatidylinositol anchor 1	0.00	0.00	2.2
BE943834.1	*Meis2*	Meis homeobox 2	0.05	0.00	2.1
NM_010825.2	*Meis2*	Meis homeobox 2	0.00	0.00	2.1
AK030913.1	*Mid1*	midline 1	0.04	0.00	3.7
CK330720.1	*Mid1*	midline 1	0.03	0.00	3.5
BI694853.1	*Mid1*	midline 1	0.00	0.00	2.3
AK034278.1	*Mrap2*	melanocortin 2 receptor accessory protein 2	0.05	0.00	2.1
NM_013602.2	*Mt1*	metallothionein 1	0.01	0.00	4.7
NM_175418.3	*Mybpc1*	myosin binding protein C, slow-type	0.02	0.00	2.8
NM_175418.3	*Mybpc1*	myosin binding protein C, slow-type	0.00	0.00	2.6
NM_175418.3	*Mybpc1*	myosin binding protein C, slow-type	0.02	0.00	2.0
NM_146969.1	*Olfr1243*	olfactory receptor 1243	0.01	0.00	2.1
NM_146334.1	*Olfr1330*	olfactory receptor 1330	0.00	0.00	2.0

BC082538.1	*P4ha3*	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	0.04	0.00	2.1
NM_008791.2	*Pcp4*	Purkinje cell protein 4	0.00	0.00	59.8
AK035507.1	*Pgm5*	phosphoglucomutase 5	0.00	0.00	2.4
AI929868.1	*Plcb1*	phospholipase C, beta 1	0.03	0.00	3.0
NM_023127.1	*Polr2k*	polymerase (RNA) II (DNA directed) polypeptide K	0.00	0.00	4.4
BQ175159.1	*Ppm1h*	protein phosphatase 1H (PP2C domain containing)	0.02	0.00	2.1
AK079637.1	*Ppp1r3g*	protein phosphatase 1, regulatory (inhibitor) subunit 3G	0.01	0.00	2.9
NM_008926.2	*Prkg2*	protein kinase, cGMP-dependent, type II	0.00	0.00	2.6
BE980253.1	*Rab27b*	RAB27b, member RAS oncogene family	0.02	0.00	2.1
BM244450.2	*Ralgapa1*	Ral GTPase activating protein, alpha subunit 1	0.02	0.00	2.5
NM_021477.3	*Rbfox1*	RNA binding protein, fox-1 homolog (C. elegans) 1	0.04	0.00	2.4
NM_181596.2	*Retnlg*	resistin like gamma	0.03	0.00	2.4
AK079512.1	*Rgs10*	regulator of G-protein signalling 10	0.01	0.00	3.4
AK122245.2	*Rimbp2*	RIMS binding protein 2	0.01	0.00	2.9
AK038787.1	*Robo1*	roundabout homolog 1 (Drosophila)	0.02	0.00	2.1
AA726096.1	*Rpl10a-ps2*	ribosomal protein L10A, pseudogene 2	0.01	0.00	2.6
NM_133982.1	*Rpp25*	ribonuclease P 25 subunit (human)	0.01	0.00	2.3
NM_009114.1	*S100a9*	S100 calcium binding protein A9 (calgranulin B)	0.00	0.00	3.0
BF453892.1	*Serinc3*	serine incorporator 3	0.02	0.00	2.0
NM_009144.1	*Sfrp2*	secreted frizzled-related protein 2	0.02	0.00	3.0
AK012380.1	*Shisa9*	shisa homolog 9 (Xenopus laevis)	0.04	0.00	2.0
NM_020258.2	*Slc37a2*	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	0.02	0.00	2.1
NM_133924.1	*Snx21*	sorting nexin family member 21	0.04	0.00	3.2
NM_009262.2	*Spock1*	sparc/osteonectin, cwcv and kazal-like domains proteoglycan 1	0.01	0.00	5.0
NM_001001332.1	*Stfa1*	stefin A1	0.00	0.00	4.1
NM_025288.1	*Stfa3*	stefin A3	0.01	0.00	2.6
NM_017465.1	*Sult2b1*	sulfotransferase family, cytosolic, 2B, member 1	0.02	0.00	2.9

BE949104.1	*Tacc2*	transforming, acidic coiled-coil containing protein 2	0.04	0.00	2.8
NM_153801.1	*Tecrl*	trans-2,3-enoyl-CoA reductase-like	0.04	0.00	2.3
AA920804.1	*Themis*	thymocyte selection associated	0.03	0.00	2.0
NM_177794.2	*Tmem26*	transmembrane protein 26	0.02	0.00	4.2
NM_009394.2	*Tnnc2*	troponin C2, fast	0.00	0.00	2.7
AK053112.1	*Tns1*	tensin 1	0.02	0.00	3.1
CA874096.1	*Trps1*	trichorhinophalangeal syndrome I (human)	0.04	0.00	2.1
NM_020505.1	*Vav3*	vav 3 oncogene	0.02	0.00	2.7
NM_134218.1	*Vmn1r208*	vomeronasal 1 receptor 208	0.03	0.00	3.5
AU067815.1	*Xkr4*	X Kell blood group precursor related family member 4	0.03	0.00	2.0
AK048587.1	*Zfp182*	zinc finger protein 182	0.02	0.00	2.2
BF581959.1	*Zfp949*	zinc finger protein 949	0.01	0.00	2.8
NM_009573.3	*Zic1*	zinc finger protein of the cerebellum 1	0.02	0.00	2.9
AK013590.1	*2900024J01Rik*	RIKEN cDNA 2900024J01 gene	0.04	0.00	3.4
AK077867.1	*2900097C17Rik*	RIKEN cDNA 2900097C17 gene	0.00	0.00	6.8
NM_183126.1	*6030498E09Rik*	RIKEN cDNA 6030498E09 gene	0.04	0.00	2.0
AK034241.1	*A930018M24Rik*	RIKEN cDNA A930018M24 gene	0.02	0.00	3.9
AK032000.1			0.01	0.00	11.8
BC038320.1			0.00	0.00	7.3
AW494725.1			0.05	0.00	4.5
BU700460.1			0.01	0.00	3.8
AK078237.1			0.01	0.00	3.3
BG095502.1			0.01	0.00	2.9
AK083974.1			0.01	0.00	2.8
BM229163.2			0.01	0.00	2.7
AK012039.1			0.02	0.00	2.6
CB847142.2			0.01	0.00	2.5
BM234787.2			0.02	0.00	2.5
AK017987.1			0.01	0.00	2.5
AK084170.1			0.00	0.00	2.5
BM205157.2			0.01	0.00	2.4
BQ174503.1			0.01	0.00	2.4
BB450465.2			0.01	0.00	2.4
BB804671.1			0.01	0.00	2.3
BG070526.2			0.01	0.00	2.3
BE952863.1			0.02	0.00	2.3
AK077881.1			0.04	0.00	2.2
AK038705.1			0.01	0.00	2.2
AV297662.1			0.05	0.00	2.2
BX512545.1			0.04	0.00	2.2
AI585482.1			0.03	0.00	2.2
AK018644.1			0.04	0.00	2.1
BB315069.2			0.03	0.00	2.1

AK087305.1			0.02	0.00	2.1
BB268463.2			0.01	0.00	2.0
BC062894.1			0.02	0.00	2.0

Supplemental Table 1b

ACCN	Gene Symbol	Gene Name	T-Test p-value	RP p-value	FC KO|WT
NM_027669.1	*41153*	septin 12	0.00	0.00	-2.6
U43892.1	*Abcb7*	ATP-binding cassette, sub-family B (MDR/TAP), member 7	0.02	0.00	-2.1
NM_009350.1	*Adad1*	adenosine deaminase domain containing 1 (testis specific)	0.00	0.00	-4.5
AK015063.1	*Adad2*	adenosine deaminase domain containing 2	0.03	0.00	-4.5
NM_009623.1	*Adcy8*	adenylate cyclase 8	0.03	0.00	-4.9
NM_172923.1	*AI118078*	expressed sequence AI118078	0.00	0.00	-2.2
BC042709.1	*Aim1l*	absent in melanoma 1-like	0.00	0.00	-5.1
NM_009647.2	*Ak4*	adenylate kinase 4	0.00	0.00	-2.1
AK006382.1	*Akap13*	A kinase (PRKA) anchor protein 13	0.02	0.00	-2.0
BY714766.1	*Als2cr11*	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 (human)	0.00	0.00	-3.6
NM_175200.2	*Als2cr11*	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11 (human)	0.02	0.00	-7.4
NM_144524.1	*Angel1*	angel homolog 1 (Drosophila)	0.02	0.00	-2.0
NM_178263.1	*Ankrd27*	ankyrin repeat domain 27 (VPS9 domain)	0.03	0.00	-2.1
BC096609.1	*Ankrd34b*	ankyrin repeat domain 34B	0.05	0.00	-2.4
NM_009677.3	*Ap1g1*	adaptor protein complex AP-1, gamma 1 subunit	0.04	0.00	-2.1
NM_018790.1	*Arc*	activity regulated cytoskeletal-associated protein	0.00	0.00	-2.8
NM_009705.1	*Arg2*	arginase type II	0.00	0.00	-4.9
AI840762.1	*Arhgap44*	Rho GTPase activating protein 44	0.03	0.00	-3.2
NM_019927.1	*Arih1*	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)	0.03	0.00	-2.0
AK041237.1	*Arl5b*	ADP-ribosylation factor-like 5B	0.00	0.00	-2.6
AK081550.1	*Armc6*	armadillo repeat containing 6	0.01	0.00	-2.3
NM_027027.1	*Asb9*	ankyrin repeat and SOCS box-containing 9	0.00	0.00	-2.5
NM_008554.2	*Ascl2*	achaete-scute complex homolog 2 (Drosophila)	0.00	0.00	-2.3
NM_023729.2	*Asz1*	ankyrin repeat, SAM and basic leucine zipper domain containing 1	0.02	0.00	-5.1
NM_001029895.1	*Ate1*	arginyltransferase 1	0.01	0.00	-2.1

BC018510.1	*Atf7ip2*	activating transcription factor 7 interacting protein 2	0.04	0.00	-2.4
AK016180.1	*Atf7ip2*	activating transcription factor 7 interacting protein 2	0.00	0.00	-2.9
BC018510.1	*Atf7ip2*	activating transcription factor 7 interacting protein 2	0.02	0.00	-3.1
BI692011.1	*Atp10b*	ATPase, class V, type 10B	0.01	0.00	-4.5
AA612185.1	*Baz1a*	bromodomain adjacent to zinc finger domain 1A	0.00	0.00	-2.5
BC013712.1	*BC013712*	cDNA sequence BC013712	0.01	0.00	-2.1
NM_145357.1	*BC023105*	cDNA sequence BC023105	0.03	0.00	-3.7
NM_153544.2	*BC030867*	cDNA sequence BC030867	0.01	0.00	-2.0
NM_177567.2	*BC049762*	cDNA sequence BC049762	0.00	0.00	-5.7
NM_172521.1	*BC125332*	cDNA sequence BC125332	0.01	0.00	-12.9
NM_177772.2	*Bpil2*	bactericidal/permeability-increasing protein-like 2	0.01	0.00	-9.5
BE957236.1	*C030009O12Rik*	RIKEN cDNA C030009O12 gene	0.02	0.00	-9.3
BQ174675.1	*C1ql1*	complement component 1, q subcomponent-like 1	0.00	0.00	-2.6
AK082309.1	*C230036F13Rik*	RIKEN cDNA C230036F13 gene	0.02	0.00	-4.7
AK082498.1	*C230057A21Rik*	RIKEN cDNA C230057A21 gene	0.01	0.00	-2.1
AK021218.1	*C330022B21Rik*	RIKEN cDNA C330022B21 gene	0.01	0.00	-2.4
AK082869.1	*C430002E04Rik*	RIKEN cDNA C430002E04 gene	0.00	0.00	-5.5
AK049571.1	*C430042M11Rik*	RIKEN cDNA C430042M11 gene	0.00	0.00	-2.5
NM_009793.1	*Camk4*	calcium/calmodulin-dependent protein kinase IV	0.00	0.00	-5.3
X62537.1	*Cbx2*	chromobox homolog 2 (Drosophila Pc class)	0.00	0.00	-2.3
BC006583.1	*Ccdc136*	coiled-coil domain containing 136	0.03	0.00	-2.2
NM_177616.2	*Ccdc157*	coiled-coil domain containing 157	0.02	0.00	-2.1
NM_144527.2	*Ccdc21*	coiled-coil domain containing 21	0.04	0.00	-2.3
BC058624.1	*Ccdc36*	coiled-coil domain containing 36	0.00	0.00	-2.9
NM_175430.2	*Ccdc40*	coiled-coil domain containing 40	0.03	0.00	-2.3
BG066504.2	*Ccnb1ip1*	cyclin B1 interacting protein 1	0.00	0.00	-3.2
NM_021893.2	*Cd274*	CD274 antigen	0.03	0.00	-2.5
NM_021893.2	*Cd274*	CD274 antigen	0.02	0.00	-2.7
NM_009864.1	*Cdh1*	cadherin 1	0.01	0.00	-2.8
NM_007662.1	*Cdh15*	cadherin 15	0.03	0.00	-3.2

NM_009877.1	*Cdkn2a*	cyclin-dependent kinase inhibitor 2A	0.00	0.00	-4.4
NM_009882.2	*Cebpz*	CCAAT/enhancer binding protein zeta	0.02	0.00	-2.0
NM_176844.3	*Chrna5*	cholinergic receptor, nicotinic, alpha polypeptide 5	0.01	0.00	-2.5
BQ555385.1	*Chrna7*	cholinergic receptor, nicotinic, alpha polypeptide 7	0.02	0.00	-2.2
BC094889.1	*Chrnb4*	cholinergic receptor, nicotinic, beta polypeptide 4	0.02	0.00	-3.8
NM_009904.1	*Clgn*	calmegin	0.00	0.00	-4.5
NM_172469.1	*Clic6*	chloride intracellular channel 6	0.02	0.00	-6.9
NM_023420.1	*Col4a3bp*	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	0.00	0.00	-4.5
NM_030052.2	*Cox7b2*	cytochrome c oxidase subunit VIIb2	0.01	0.00	-2.8
NM_007755.1	*Cpeb1*	cytoplasmic polyadenylation element binding protein 1	0.04	0.00	-3.1
NM_013496.1	*Crabp1*	cellular retinoic acid binding protein I	0.00	0.00	-12.7
X90648.1	*Crkl*	v-crk sarcoma virus CT10 oncogene homolog (avian)-like	0.02	0.00	-2.1
AW492342.1	*Crxos1*	Crx opposite strand transcript 1	0.01	0.00	-3.6
NM_008599.1	*Cxcl9*	chemokine (C-X-C motif) ligand 9	0.02	0.00	-3.7
NM_145548.1	*Cyp2j13*	cytochrome P450, family 2, subfamily j, polypeptide 13	0.02	0.00	-2.6
NM_177307.2	*Cyp4f39*	cytochrome P450, family 4, subfamily f, polypeptide 39	0.02	0.00	-3.1
J04847.1	*D1Pas1*	DNA segment, Chr 1, Pasteur Institute 1	0.01	0.00	-2.3
NM_175326.2	*D330045A20Rik*	RIKEN cDNA D330045A20 gene	0.00	0.00	-4.4
NM_010014.2	*Dab1*	disabled homolog 1 (Drosophila)	0.00	0.00	-3.1
NM_010021.2	*Dazl*	deleted in azoospermia-like	0.04	0.00	-6.0
AK019495.1	*Ddx10*	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	0.02	0.00	-2.6
NM_013932.2	*Ddx25*	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	0.03	0.00	-4.1
NM_010029.1	*Ddx4*	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	0.03	0.00	-5.4
BC013672.1	*Ddx60*	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	0.00	0.00	-2.5
BB513971.2	*Ddx60*	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	0.04	0.00	-2.8
NM_177857.1	*Dennd2c*	DENN/MADD domain containing 2C	0.00	0.00	-2.4

NM_144804.1	*Depdc7*	DEP domain containing 7	0.03	0.00	-2.0
NM_010059.1	*Dmc1*	DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)	0.00	0.00	-2.5
AF020191.1	*Dmrtb1*	DMRT-like family B with proline-rich C-terminal, 1	0.04	0.00	-68.2
NM_027732.1	*Dmrtc2*	doublesex and mab-3 related transcription factor like family C2	0.00	0.00	-7.3
AK053672.1	*Dmxl2*	Dmx-like 2	0.02	0.00	-2.9
BF011365.1	*Dnahc12*	dynein, axonemal, heavy chain 12	0.02	0.00	-2.5
NM_008299.1	*Dnajb3*	DnaJ (Hsp40) homolog, subfamily B, member 3	0.03	0.00	-2.1
NM_173383.1	*Dnd1*	dead end homolog 1 (zebrafish)	0.00	0.00	-2.5
NM_001003960.1	*Dnmt3b*	DNA methyltransferase 3B (Dnmt3b), transcript variant 2	0.00	0.00	-2.1
NM_029761.2	*Dok5*	docking protein 5	0.02	0.00	-2.1
NM_010074.2	*Dpp4*	dipeptidylpeptidase 4	0.00	0.00	-2.6
NM_028615.1	*Dppa2*	developmental pluripotency associated 2	0.00	0.00	-2.9
NM_139218.1	*Dppa3*	developmental pluripotency-associated 3	0.01	0.00	-3.4
AK014832.1	*Dscaml1*	Down syndrome cell adhesion molecule-like 1	0.03	0.00	-2.7
NM_023742.1	*Dtx2*	deltex 2 homolog (Drosophila)	0.00	0.00	-2.6
NM_019819.2	*Dusp14*	dual specificity phosphatase 14	0.00	0.00	-2.1
NM_029352.3	*Dusp9*	dual specificity phosphatase 9	0.00	0.00	-3.1
AI451538.1	*E330020D12Rik*	Riken cDNA E330020D12 gene	0.04	0.00	-2.0
BC004721.1	*Eaf2*	ELL associated factor 2	0.00	0.00	-6.9
CA450918.1	*Efcab10*	EF-hand calcium binding domain 10	0.03	0.00	-2.0
NM_028916.1	*Efhc2*	EF-hand domain (C-terminal) containing 2	0.00	0.00	-3.2
NM_020596.1	*Egr4*	early growth response 4	0.02	0.00	-2.8
NM_007914.2	*Ehf*	ets homologous factor	0.00	0.00	-2.7
NM_021300.1	*Ehox*	ES cell derived homeobox containing gene (Ehox)	0.00	0.00	-2.5
NM_007939.1	*Epha8*	Eph receptor A8	0.02	0.00	-2.1
NM_181548.2	*Eras*	ES cell-expressed Ras	0.00	0.00	-5.3
NM_015774.2	*Ero1l*	ERO1-like (S. cerevisiae)	0.04	0.00	-2.5
NM_025276.2	*Evpl*	envoplakin	0.00	0.00	-2.3
NM_007974.2	*F2rl1*	coagulation factor II (thrombin) receptor-like 1	0.00	0.00	-2.5
NM_175449.3	*Fam26f*	family with sequence similarity 26, member F	0.03	0.00	-2.6

NM_020622.1	*Fam3b*	family with sequence similarity 3, member B	0.05	0.00	-3.8
AK077262.1	*Fam83g*	family with sequence similarity 83, member G	0.00	0.00	-3.0
NM_145946.1	*Fanci*	Fanconi anemia, complementation group I	0.02	0.00	-2.0
AK082809.1	*Fbxo15*	F-box protein 15	0.04	0.00	-2.0
AK007274.1	*Fbxw27*	F-box and WD-40 domain protein 27	0.00	0.00	-2.1
NM_053072.2	*Fgd6*	FYVE, RhoGEF and PH domain containing 6	0.01	0.00	-2.2
NM_023304.1	*Fgf22*	fibroblast growth factor 22	0.01	0.00	-2.9
NM_010205.1	*Fgf8*	fibroblast growth factor 8	0.00	0.00	-3.3
NM_012013.1	*Figla*	folliculogenesis specific basic helix-loop-helix	0.04	0.00	-4.1
NM_033571.1	*Fkbp6*	FK506 binding protein 6	0.00	0.00	-2.0
NM_174993.1	*Fmr1nb*	fragile X mental retardation 1 neighbor	0.00	0.00	-5.3
NM_001007580.1	*Fndc3c1*	fibronectin type III domain containing 3C1	0.00	0.00	-2.2
NM_010426.1	*Foxf1a*	forkhead box F1a	0.00	0.00	-2.4
BB437522.2	*Foxf1a*	forkhead box F1a	0.00	0.00	-2.6
NM_012020.1	*Foxl2*	forkhead box L2	0.03	0.00	-2.3
NM_183178.1	*Fsd1*	fibronectin type 3 and SPRY domain-containing protein	0.00	0.00	-3.5
NM_031261.1	*Fthl17*	ferritin, heavy polypeptide-like 17 (Fthl17)	0.00	0.00	-3.4
M74515.1	*Gabpa*	GA repeat binding protein, alpha	0.01	0.00	-2.5
NM_008069.3	*Gabrb1*	gamma-aminobutyric acid (GABA) A receptor, subunit beta 1	0.02	0.00	-6.5
NM_010252.3	*Gabrg1*	gamma-aminobutyric acid (GABA) A receptor, subunit gamma 1	0.00	0.00	-6.7
NM_172693.2	*Galnt12*	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12	0.01	0.00	-2.7
NM_172451.1	*Galnt6*	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6	0.01	0.00	-3.4
NM_018734.2	*Gbp3*	guanylate binding protein 3	0.00	0.00	-7.7
NM_008620.2	*Gbp4*	guanylate binding protein 4	0.02	0.00	-5.5
NM_029509.2	*Gbp8*	guanylate-binding protein 8	0.02	0.00	-4.6
NM_013528.2	*Gfpt1*	glutamine fructose-6-phosphate transaminase 1	0.02	0.00	-3.3
NM_008116.1	*Ggt1*	gamma-glutamyltransferase 1	0.00	0.00	-2.6

NM_010288.2	*Gja1*	gap junction protein, alpha 1	0.00	0.00	-3.4
NM_147221.1	*Glis1*	GLIS family zinc finger 1	0.00	0.00	-2.7
BU937304.1	*Gm12260*	histone cluster 1, H3 pseudogene	0.02	0.00	-2.3
BB652115.1	*Gm1679*	predicted gene 1679	0.00	0.00	-2.1
AI449690.1	*Gm3858*	predicted gene 3858	0.02	0.00	-3.9
BE199336.1	*Gm4841*	predicted gene 4841	0.02	0.00	-5.9
AI196437.1	*Gm4951*	predicted gene 4951	0.00	0.00	-8.6
AI587854.1	*Gm4984*	predicted pseudogene 4984	0.01	0.00	-2.8
BY756231.1	*Gm949*	predicted gene 949	0.00	0.00	-5.1
AA718109.1	*Gm960*	predicted gene 960	0.00	0.00	-2.5
NM_008141.2	*Gnat2*	guanine nucleotide binding protein, alpha transducing 2 (Gnat2)	0.00	0.00	-3.1
NM_022422.3	*Gng13*	guanine nucleotide binding protein 13, gamma (Gng13)	0.00	0.00	-4.2
NM_026680.2	*Golt1a*	golgi transport 1 homolog A (S. cerevisiae)	0.01	0.00	-4.3
NM_029674.1	*Got1l1*	glutamic-oxaloacetic transaminase 1-like 1	0.01	0.00	-2.5
NM_145890.1	*Grhl1*	grainyhead-like 1 (Drosophila)	0.05	0.00	-3.8
NM_145890.1	*Grhl1*	grainyhead-like 1 (Drosophila)	0.01	0.00	-6.8
NM_001013756.1	*Grhl3*	grainyhead-like 3 (Drosophila)	0.01	0.00	-3.6
AK036014.1	*Grik3*	glutamate receptor, ionotropic, kainate 3	0.00	0.00	-3.7
NM_031391.1	*Gtf2a1*	general transcription factor II A, 1	0.00	0.00	-2.7
NM_027000.2	*Gtpbp4*	GTP binding protein 4	0.01	0.00	-2.1
CN834482.1	*Gtsf1*	gametocyte specific factor 1	0.00	0.00	-3.6
NM_178747.2	*Gulo*	gulonolactone (L-) oxidase	0.01	0.00	-2.9
NM_010394.2	*H2-Q7*	histocompatibility 2, Q region locus 7	0.02	0.00	-3.0
NM_146101.1	*Habp2*	hyaluronic acid binding protein 2	0.01	0.00	-2.7
NM_008234.2	*Hells*	helicase, lymphoid specific	0.02	0.00	-3.6
NM_010416.1	*Hemt1*	hematopoietic cell transcript 1 (Hemt1)	0.00	0.00	-6.1
AK017531.1	*Herc3*	hect domain and RLD 3	0.00	0.00	-2.6
CF425980.1	*Hfm1*	HFM1, ATP-dependent DNA helicase homolog (S. cerevisiae)	0.02	0.00	-3.6
AF117382.1	*Hic2*	hypermethylated in cancer 2	0.01	0.00	-2.6
NM_016660.1	*Hmga1*	high mobility group AT-hook 1	0.00	0.00	-2.2
NM_010445.1	*Hmx1*	H6 homeobox 1	0.04	0.00	-20.5
NM_009330.1	*Hnf1b*	HNF1 homeobox B	0.00	0.00	-6.3
NM_026489.1	*Hormad1*	HORMA domain containing 1	0.02	0.00	-7.7
AK015939.1	*Hormad2*	HORMA domain containing 2	0.04	0.00	-2.6

AK016553.1	*Hsf2bp*	heat shock transcription factor 2 binding protein	0.00	0.00	-3.1
CN837332.1	*Hsf5*	heat shock transcription factor family member 5	0.01	0.00	-3.3
U23921.1	*Hspa4l*	heat shock protein 4 like	0.00	0.00	-2.5
NM_016865.2	*Htatip2*	HIV-1 tat interactive protein 2, homolog (human)	0.04	0.00	-2.1
NM_153072.1	*Hus1b*	Hus1 homolog b (S. pombe)	0.00	0.00	-3.1
NM_027407.2	*Ica1l*	islet cell autoantigen 1-like	0.01	0.00	-3.5
NM_008331.1	*Ifit1*	interferon-induced protein with tetratricopeptide repeats 1	0.01	0.00	-6.3
NM_010501.1	*Ifit3*	interferon-induced protein with tetratricopeptide repeats 3 (Ifit3)	0.03	0.00	-5.2
NM_015777.1	*Igbp1b*	immunoglobulin (CD79A) binding protein 1b	0.00	0.00	-3.5
NM_009951.2	*Igf2bp1*	insulin-like growth factor 2 mRNA binding protein 1	0.00	0.00	-2.5
NM_018738.2	*Igtp*	interferon gamma induced GTPase	0.03	0.00	-5.0
AK052469.1	*Igtp*	interferon gamma induced GTPase	0.00	0.00	-5.3
NM_021792.3	*Iigp1*	interferon inducible GTPase 1 (Iigp1)	0.03	0.00	-7.7
NM_021792.3	*Iigp1*	interferon inducible GTPase 1	0.02	0.00	-8.1
NM_134109.1	*Ildr1*	immunoglobulin-like domain containing receptor 1	0.01	0.00	-2.4
NM_016851.1	*Irf6*	interferon regulatory factor 6	0.00	0.00	-3.3
NM_016850.1	*Irf7*	interferon regulatory factor 7	0.00	0.00	-3.7
NM_021459.2	*Isl1*	ISL1 transcription factor, LIM/homeodomain	0.00	0.00	-2.5
NM_027721.1	*Katnal2*	katanin p60 subunit A-like 2	0.04	0.00	-5.0
NM_010598.2	*Kcnab2*	potassium voltage-gated channel, shaker-related subfamily, beta member 2 (Kcnab2)	0.00	0.00	-3.2
NM_010601.2	*Kcnh3*	potassium voltage-gated channel, subfamily H (eag-related), member 3	0.03	0.00	-2.0
NM_008430.1	*Kcnk1*	potassium channel, subfamily K, member 1	0.00	0.00	-2.5
BM198622.2	*Kdm5b*	lysine (K)-specific demethylase 5B	0.02	0.00	-4.0
NM_010616.1	*Kif12*	kinesin family member 12	0.01	0.00	-2.1
D12645.1	*Kif3a*	kinesin family member 3A	0.01	0.00	-2.2
BC057064.1	*Klhdc10*	kelch domain containing 10	0.00	0.00	-2.8
NM_172565.1	*Klhl11*	kelch-like 11 (Drosophila)	0.00	0.00	-2.7
NM_172565.1	*Klhl11*	kelch-like 11 (Drosophila)	0.01	0.00	-2.8

AK009417.1	*Klrg2*	killer cell lectin-like receptor subfamily G, member 2	0.02	0.00	-8.4
NM_008468.1	*Kpna6*	karyopherin (importin) alpha 6	0.00	0.00	-2.2
NM_016958.1	*Krt14*	keratin 14	0.00	0.00	-4.6
NM_010663.1	*Krt17*	keratin 17	0.01	0.00	-4.4
AK009986.1	*Krt24*	keratin 24	0.01	0.00	-3.2
NM_031170.1	*Krt8*	keratin 8	0.00	0.00	-3.4
NM_027221.1	*Krtcap3*	keratinocyte associated protein 3	0.01	0.00	-2.1
NM_028622.1	*Lce1c*	late cornified envelope 1C	0.05	0.00	-2.2
NM_013580.2	*Ldhc*	lactate dehydrogenase C	0.00	0.00	-3.5
NM_010710.2	*Lhx2*	LIM homeobox protein 2	0.00	0.00	-2.9
NM_008500.1	*Lhx6*	LIM homeobox protein 6	0.00	0.00	-4.1
NM_010713.1	*Lhx8*	LIM homeobox protein 8	0.00	0.00	-4.6
D49658.1	*Lhx8*	LIM homeobox protein 8	0.01	0.00	-7.4
NM_145833.1	*Lin28a*	lin-28 homolog A (C. elegans)	0.01	0.00	-2.4
NM_057173.1	*Lmo1*	LIM domain only 1	0.00	0.00	-3.7
CD541541.1	*LOC673430*	zinc finger protein 160-like	0.03	0.00	-2.6
AK016522.1	*Lonrf3*	LON peptidase N-terminal domain and ring finger 3	0.01	0.00	-4.3
NM_022983.2	*Lpar3*	lysophosphatidic acid receptor 3	0.01	0.00	-2.6
NM_029627.1	*Ly6k*	lymphocyte antigen 6 complex, locus K	0.00	0.00	-2.2
NM_175296.3	*Mael*	maelstrom homolog (Drosophila)	0.01	0.00	-4.1
BM225062.2	*Magea10*	melanoma antigen family A, 10	0.02	0.00	-3.2
NM_020018.1	*Magea5*	melanoma antigen, family A, 5 (Magea5)	0.03	0.00	-7.0
BC031147.1	*Map3k15*	mitogen-activated protein kinase kinase kinase 15	0.00	0.00	-3.1
NM_008279.1	*Map4k1*	mitogen-activated protein kinase kinase kinase kinase 1	0.00	0.00	-2.3
NM_025979.2	*Mastl*	microtubule associated serine/threonine kinase-like	0.00	0.00	-2.3
AY512920.1	*Mdn1*	midasin homolog (yeast)	0.01	0.00	-3.2
NM_008578.1	*Mef2b*	myocyte enhancer factor 2B (Mef2b)	0.00	0.00	-3.2
NM_008588.1	*Mesp1*	mesoderm posterior 1	0.01	0.00	-4.8
AK052278.1	*Mgat4a*	mannoside acetylglucosaminyltransferase 4, isoenzyme A	0.01	0.00	-2.8
NM_177282.2	*Mical2*	microtubule associated monoxygenase, calponin and LIM domain containing 2	0.02	0.00	-2.8
NM_027696.1	*Mier1*	mesoderm induction early response 1 homolog (Xenopus laevis	0.01	0.00	-3.9

U81317.1	*Mobp*	myelin-associated oligodendrocytic basic protein	0.04	0.00	-3.2
NM_010816.1	*Morc1*	microrchidia 1	0.01	0.00	-2.6
AK084586.1	*Mphosph9*	M-phase phosphoprotein 9	0.02	0.00	-2.3
NM_031870.1	*Msh4*	mutS homolog 4 (E. coli)	0.01	0.00	-2.4
AK030316.1	*Mtap7d2*	MAP7 domain containing 2	0.01	0.00	-4.6
M74753.1	*Myh3*	myosin, heavy polypeptide 3, skeletal muscle, embryonic	0.02	0.00	-2.5
AK039333.1	*Naa30*	N(alpha)-acetyltransferase 30, NatC catalytic subunit	0.02	0.00	-2.9
NM_031389.1	*Nalp4c*	leucine rich repeat and PYD containing 4C (Nalp4c)	0.00	0.00	-2.7
BC056473.1	*Nanos1*	nanos homolog 1 (Drosophila)	0.01	0.00	-3.8
NM_145602.1	*Ndrg4*	N-myc downstream regulated gene 4	0.00	0.00	-3.3
BE915912.1	*Necab3*	N-terminal EF-hand calcium binding protein 3	0.00	0.00	-2.8
NM_011848.1	*Nek3*	NIMA (never in mitosis gene a)-related expressed kinase 3	0.00	0.00	-2.4
AK083512.1	*Neto2*	neuropilin (NRP) and tolloid (TLL)-like 2	0.01	0.00	-4.1
BE292026.1	*Nfib*	nuclear factor I/B	0.01	0.00	-2.6
NM_008690.2	*Nfkbie*	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	0.02	0.00	-2.2
NM_025998.1	*Nkain1*	Na+/K+ transporting ATPase interacting 1	0.00	0.00	-2.6
AF202039.1	*Nkx2-4*	NK2 transcription factor related, locus 4 (Drosophila)	0.01	0.00	-5.1
NM_008708.1	*Nmt2*	N-myristoyltransferase 2	0.00	0.00	-2.8
NM_021315.1	*Noc3l*	nucleolar complex associated 3 homolog (S. cerevisiae)	0.00	0.00	-2.4
CF613235.1	*Npw*	neuropeptide W	0.00	0.00	-3.1
BM120306.2	*Nr3c2*	nuclear receptor subfamily 3, group C, member 2	0.01	0.00	-2.1
NM_020610.1	*Nrip3*	nuclear receptor interacting protein 3	0.00	0.00	-3.8
BU756239.1	*Nup62cl*	nucleoporin 62 C-terminal like	0.00	0.00	-2.3
NM_170591.1	*Nupl1*	nucleoporin like 1	0.05	0.00	-2.6
NM_031259.1	*Nxf2*	nuclear RNA export factor 2	0.01	0.00	-5.5
NM_145227.1	*Oas2*	2'-5' oligoadenylate synthetase 2	0.00	0.00	-3.3
NM_011854.1	*Oasl2*	2'-5' oligoadenylate synthetase-like 2	0.04	0.00	-3.1
NM_207201.1	*Olfr8*	olfactory receptor 8	0.03	0.00	-2.0
NM_011015.1	*Orc1*	origin recognition complex, subunit 1	0.02	0.00	-2.9
NM_152818.2	*Osbp2*	oxysterol binding protein 2	0.00	0.00	-2.0
CA570565.1	*Osbpl9*	oxysterol binding protein-like 9	0.02	0.00	-2.0

AK015275.1	*Otud4*	OTU domain containing 4	0.00	0.00	-2.3
NM_011023.2	*Otx1*	orthodenticle homolog 1 (Drosophila)	0.03	0.00	-9.4
NM_019935.2	*Ovol1*	OVO homolog-like 1 (Drosophila)	0.04	0.00	-2.4
NM_026924.2	*Ovol2*	ovo-like 2 (Drosophila)	0.02	0.00	-2.1
NM_011060.1	*Padi3*	peptidyl arginine deiminase, type III	0.00	0.00	-4.5
NM_011035.1	*Pak1*	p21 protein (Cdc42/Rac)-activated kinase 1	0.04	0.00	-2.9
BC052527.1	*Pank4*	pantothenate kinase 4	0.02	0.00	-3.3
AK005563.1	*Parp14*	poly (ADP-ribose) polymerase family, member 14	0.00	0.00	-2.4
NM_011040.2	*Pax8*	paired box gene 8	0.02	0.00	-2.4
NM_029508.1	*Pcgf5*	polycomb group ring finger 5	0.01	0.00	-3.6
NM_008806.1	*Pde6b*	phosphodiesterase 6B, cGMP, rod receptor, beta polypeptide	0.00	0.00	-2.9
BF534000.1	*Pdxk*	pyridoxal (pyridoxine, vitamin B6) kinase	0.00	0.00	-2.4
NM_008821.1	*Pet2*	plasmacytoma expressed transcript 2	0.01	0.00	-2.1
AK017146.1	*Pgap1*	post-GPI attachment to proteins 1	0.00	0.00	-3.2
BB469950.2	*Phb*	prohibitin	0.01	0.00	-2.6
NM_199299.1	*Phf15*	PHD finger protein 15	0.01	0.00	-2.7
AK004823.1	*Phf15*	PHD finger protein 15	0.00	0.00	-4.3
BI695483.1	*Phf17*	PHD finger protein 17	0.00	0.00	-2.7
NM_009434.2	*Phlda2*	pleckstrin homology-like domain, family A, member 2	0.00	0.00	-10.4
NM_178621.2	*Phyhipl*	phytanoyl-CoA hydroxylase interacting protein-like	0.01	0.00	-4.8
BF450484.1	*Pign*	phosphatidylinositol glycan anchor biosynthesis, class N	0.04	0.00	-2.3
NM_029094.1	*Pik3cb*	phosphatidylinositol 3-kinase, catalytic, beta polypeptide	0.00	0.00	-2.0
NM_021308.1	*Piwil2*	piwi-like homolog 2 (Drosophila)	0.03	0.00	-5.9
NM_001024145.1	*Pla2g4f*	phospholipase A2, group IVF	0.00	0.00	-3.1
NM_172285.1	*Plcg2*	phospholipase C, gamma 2	0.01	0.00	-2.1
NM_183191.1	*Plch1*	phospholipase C, eta 1	0.01	0.00	-4.5
BG298178.1	*Pnldc1*	poly(A)-specific ribonuclease (PARN)-like domain containing 1	0.04	0.00	-2.4
BB698563.1	*Pnma5*	paraneoplastic antigen family 5	0.01	0.00	-2.4
NM_011138.1	*Pou2f2*	POU domain, class 2, transcription factor 2	0.00	0.00	-3.0
NM_008900.1	*Pou3f3*	POU domain, class 3, transcription factor 3	0.00	0.00	-6.1
NM_175363.2	*Pphln1*	periphilin 1	0.00	0.00	-2.7

NM_029948.1	*Pramef12*	PRAME family member 12	0.01	0.00	-7.3
NM_031377.1	*Pramel1*	preferentially expressed antigen in melanoma-like 1	0.05	0.00	-2.1
NM_031390.1	*Pramel3*	preferentially expressed antigen in melanoma-like 3 (Pramel3)	0.02	0.00	-4.8
BF152648.1	*Prr19*	proline rich 19	0.01	0.00	-4.8
AK006612.1	*Prss44*	protease, serine, 44	0.03	0.00	-3.3
NM_146227.2	*Prss50*	protease, serine, 50	0.04	0.00	-2.5
NM_133351.1	*Prss8*	protease, serine, 8 (prostasin)	0.00	0.00	-4.5
NM_011178.2	*Prtn3*	proteinase 3	0.03	0.00	-2.5
AK010717.1	*Psma8*	proteasome (prosome, macropain) subunit, alpha type, 8	0.03	0.00	-2.4
NM_013585.1	*Psmb9*	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	0.04	0.00	-3.1
NM_016899.2	*Rab25*	RAB25, member RAS oncogene family	0.01	0.00	-2.1
NM_011234.2	*Rad51*	RAD51 homolog (S. cerevisiae)	0.04	0.00	-2.3
AK076551.1	*Rad51c*	RAD51 homolog c (S. cerevisiae)	0.03	0.00	-2.4
W11780.1	*Rap1gap*	Rap1 GTPase-activating protein	0.00	0.00	-3.0
NM_053268.1	*Rasa2*	RAS p21 protein activator 2	0.05	0.00	-2.1
BF319710.1	*Rasal2*	RAS protein activator like 2	0.01	0.00	-3.4
AK015898.1	*Rasd2*	RASD family, member 2	0.00	0.00	-4.1
BC042449.1	*Rasgrf1*	RAS protein-specific guanine nucleotide-releasing factor 1	0.01	0.00	-2.4
NM_019547.1	*Rbm38*	RNA binding motif protein 38	0.00	0.00	-2.8
NM_029660.1	*Rbmxl2*	RNA binding motif protein, X-linked-like 2	0.02	0.00	-7.3
NM_011253.1	*Rbmy1a1*	RNA binding motif protein, Y chromosome, family 1, member A1	0.01	0.00	-4.8
NM_020002.2	*Rec8*	REC8 homolog (yeast)	0.01	0.00	-2.4
NM_058214.1	*Recql4*	RecQ protein-like 4	0.03	0.00	-2.3
NM_011261.1	*Reln*	reelin	0.02	0.00	-2.2
NM_026097.1	*Rffl*	ring finger and FYVE like domain containing protein	0.00	0.00	-2.3
AK007253.1	*Rhox13*	reproductive homeobox 13	0.00	0.00	-6.2
NM_027897.2	*Rhpn2*	rhophilin, Rho GTPase binding protein 2 (Rhpn2)	0.01	0.00	-3.0
NM_025660.1	*Ribc1*	RIB43A domain with coiled-coils 1	0.01	0.00	-3.0

AY497009.1	*Rictor*	RPTOR independent companion of MTOR, complex 2	0.00	0.00	-2.4
NM_023663.3	*Ripk4*	receptor-interacting serine-threonine kinase 4	0.01	0.00	-3.1
NM_023270.3	*Rnf128*	ring finger protein 128	0.03	0.00	-2.4
NM_013894.1	*Rnf17*	ring finger protein 17	0.01	0.00	-6.1
BB014105.2	*Rnf17*	ring finger protein 17	0.01	0.00	-9.6
NM_026594.1	*Rpl39l*	ribosomal protein L39-like	0.04	0.00	-2.5
NM_027491.1	*Rragd*	Ras-related GTP binding D	0.00	0.00	-2.5
BC023785.1	*Rreb1*	ras responsive element binding protein 1	0.00	0.00	-2.1
NM_153457.6	*Rtn1*	reticulon 1 (Rtn1), transcript variant 1	0.00	0.00	-2.0
NM_198620.1	*Rundc3b*	RUN domain containing 3B	0.04	0.00	-3.4
NM_025393.1	*S100a14*	S100 calcium binding protein A14	0.01	0.00	-2.5
BC062937.1	*Sall1*	sal-like 1 (Drosophila)	0.00	0.00	-3.0
AK017633.1	*Sall4*	sal-like 4 (Drosophila)	0.01	0.00	-3.1
NM_026283.1	*Samd8*	sterile alpha motif domain containing 8	0.03	0.00	-2.2
BG833093.1	*Satb1*	special AT-rich sequence binding protein 1	0.03	0.00	-2.7
BG087102.2	*Scml1*	Vsex comb on midleg-like 1 (Drosophila)	0.02	0.00	-3.5
NM_133194.2	*Scml2*	sex comb on midleg-like 2 (Drosophila)	0.04	0.00	-5.4
NM_019460.1	*Sfmbt1*	Scm-like with four mbt domains 1	0.02	0.00	-2.0
AK076687.1	*Sfmbt2*	Scm-like with four mbt domains 2	0.01	0.00	-2.9
AV304616.2	*Shh*	sonic hedgehog	0.00	0.00	-3.2
NM_009170.2	*Shh*	sonic hedgehog	0.01	0.00	-4.9
NM_181590.2	*Shq1*	SHQ1 homolog (S. cerevisiae)	0.00	0.00	-2.5
AK012978.1	*Shq1*	SHQ1 homolog (S. cerevisiae)	0.00	0.00	-2.5
NM_009173.1	*Siah1b*	seven in absentia 1B	0.03	0.00	-3.0
NM_011380.1	*Six2*	sine oculis-related homeobox 2 homolog (Drosophila)	0.01	0.00	-2.9
NM_029084.1	*Slamf8*	SLAM family member 8	0.00	0.00	-2.8
NM_178386.2	*Slc25a31*	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31	0.01	0.00	-3.8
BY761173.1	*Slc39a9*	solute carrier family 39 (zinc transporter), member 9	0.00	0.00	-2.1
NM_007514.1	*Slc7a2*	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	0.00	0.00	-3.0

NM_080470.1	*Smc1b*	structural maintenance of chromosomes 1B	0.00	0.00	-4.0
NM_024230.1	*Smtnl1*	smoothelin-like 1	0.00	0.00	-2.7
NM_013914.2	*Snai3*	snail homolog 3 (Drosophila)	0.00	0.00	-6.1
NM_001001714.1	*Sohlh1*	spermatogenesis and oogenesis specific basic helix-loop-helix 1	0.00	0.00	-7.0
NM_028937.1	*Sohlh2*	spermatogenesis and oogenesis specific basic helix-loop-helix 2	0.01	0.00	-3.6
BC052024.1	*Sox3*	SRY-box containing gene 3	0.00	0.00	-13.3
NM_030220.2	*Sp2*	Sp2 transcription factor	0.00	0.00	-4.1
NM_022435.2	*Sp5*	trans-acting transcription factor 5	0.02	0.00	-4.5
NM_029299.1	*Spata19*	spermatogenesis associated 19	0.02	0.00	-2.7
NM_021343.1	*Spata5*	spermatogenesis associated 5	0.03	0.00	-3.3
NM_030061.1	*Spink12*	serine peptidase inhibitor, Kazal type 11	0.01	0.00	-3.4
NM_016907.2	*Spint1*	serine protease inhibitor, Kunitz type 1	0.02	0.00	-2.6
NM_138673.1	*Stab2*	stabilin 2	0.05	0.00	-2.7
U06924.1	*Stat1*	signal transducer and activator of transcription 1	0.00	0.00	-3.7
NM_027399.1	*Steap1*	six transmembrane epithelial antigen of the prostate 1	0.01	0.00	-2.8
NM_009292.1	*Stra8*	stimulated by retinoic acid gene 8	0.03	0.00	-26.7
NM_013873.3	*Sult4a1*	sulfotransferase family 4A, member 1	0.00	0.00	-3.0
BC032960.1	*Suv39h2*	suppressor of variegation 3-9 homolog 2 (Drosophila)	0.02	0.00	-2.6
NM_011516.1	*Sycp1*	synaptonemal complex protein 1	0.00	0.00	-5.8
AK014411.1	*Sycp2*	synaptonemal complex protein 2	0.01	0.00	-8.9
NM_011517.1	*Sycp3*	synaptonemal complex protein 3	0.03	0.00	-3.3
NM_021482.1	*Syngr4*	synaptogyrin 4	0.00	0.00	-4.5
AK129267.1	*Synpo*	synaptopodin	0.03	0.00	-2.7
AB026802.1	*Syt9*	synaptotagmin IX	0.03	0.00	-2.9
NM_028958.2	*Taf7l*	TAF7-like RNA polymerase II, TATA box binding protein (TBP)-associated factor	0.03	0.00	-6.7
NM_001001176.1	*Taf9b*	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor	0.01	0.00	-2.6

NM_013683.1	*Tap1*	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	0.01	0.00	-4.0
NM_019636.1	*Tbc1d1*	TBC1 domain family, member 1	0.02	0.00	-2.9
NM_178254.2	*Tcfl5*	transcription factor-like 5 (basic helix-loop-helix)	0.03	0.00	-4.6
NM_011560.2	*Tcte3*	t-complex-associated testis expressed 3	0.00	0.00	-2.2
NM_001002238.1	*Tdrd1*	tudor domain containing 1	0.02	0.00	-5.5
AK012596.1	*Tdrkh*	tudor and KH domain containing protein	0.03	0.00	-3.0
NM_019981.1	*Tex101*	testis expressed gene 101	0.00	0.00	-3.9
NM_031384.1	*Tex11*	testis expressed gene 11	0.02	0.00	-15.4
NM_025687.1	*Tex12*	testis expressed gene 12	0.00	0.00	-5.9
NM_031386.1	*Tex14*	testis expressed gene 14	0.02	0.00	-3.3
NM_031374.1	*Tex15*	testis expressed gene 15	0.02	0.00	-3.7
NM_031382.1	*Tex16*	testis expressed gene 16	0.01	0.00	-3.2
NM_031385.1	*Tex18*	testis expressed gene 18	0.02	0.00	-5.4
NM_028602.2	*Tex19.1*	testis expressed gene 19.1	0.00	0.00	-3.0
NM_009359.1	*Tex9*	testis expressed gene 9	0.01	0.00	-2.1
NM_011575.1	*Tff3*	trefoil factor 3, intestinal	0.04	0.00	-2.0
NM_011579.2	*Tgtp1*	T-cell specific GTPase 1	0.03	0.00	-8.4
NM_012033.2	*Tinag*	tubulointerstitial nephritis antigen	0.01	0.00	-3.1
NM_028927.1	*Tktl2*	transketolase-like 2	0.00	0.00	-7.5
NM_009389.1	*Tle3*	transducin-like enhancer of split 3, homolog of Drosophila E(spl)	0.01	0.00	-2.5
NM_025781.1	*Tmem170*	transmembrane protein 170	0.03	0.00	-2.7
BY731679.1	*Tmem170b*	transmembrane protein 170B	0.00	0.00	-4.3
NM_177013.2	*Tmem229a*	transmembrane protein 229A	0.00	0.00	-4.0
NM_001008973.1	*Tmem232*	transmembrane protein 232	0.00	0.00	-2.0
BB365838.2	*Tnn*	tenascin N	0.03	0.00	-2.5
NM_198601.1	*Trim52*	tripartite motif-containing 52	0.00	0.00	-4.0
AV117999.1	*Trim71*	tripartite motif-containing 71	0.05	0.00	-2.1
BC049168.1	*Trnp1*	TMF1-regulated nuclear protein 1	0.00	0.00	-3.6
BC050805.1	*Ttc25*	tetratricopeptide repeat domain 25	0.01	0.00	-2.7
AK007856.1	*Ttc39b*	tetratricopeptide repeat domain 39B	0.00	0.00	-2.2
NM_009445.1	*Ttk*	Ttk protein kinase	0.00	0.00	-2.0
NM_009446.1	*Tuba3*	tubulin, alpha 3 (Tuba3)	0.00	0.00	-4.5
BB268360.2	*Uba3*	ubiquitin-like modifier activating enzyme 3	0.04	0.00	-2.1
NM_172712.2	*Uba6*	ubiquitin-like modifier activating enzyme 6	0.02	0.00	-2.6

AK078845.1	*Ube2e3*	ubiquitin-conjugating enzyme E2E 3, UBC4/5 homolog (yeast)	0.00	0.00	-7.6
NM_011670.1	*Uchl1*	ubiquitin carboxy-terminal hydrolase L1	0.00	0.00	-2.4
NM_010633.3	*Uhmk1*	U2AF homology motif (UHM) kinase 1	0.00	0.00	-2.2
NM_009477.1	*Upp1*	uridine phosphorylase 1 (Upp1)	0.00	0.00	-3.4
AK006739.1	*Usp12*	ubiquitin specific peptidase 12	0.03	0.00	-3.8
NM_011909.1	*Usp18*	ubiquitin specific peptidase 18	0.00	0.00	-5.1
NM_176972.2	*Usp37*	ubiquitin specific peptidase 37	0.00	0.00	-2.2
NM_152825.1	*Usp45*	ubiquitin specific petidase 45	0.03	0.00	-2.2
NM_009482.1	*Utf1*	undifferentiated embryonic cell transcription factor 1	0.02	0.00	-7.3
BC048955.1	*Utp20*	UTP20, small subunit (SSU) processome component, homolog (yeast)	0.02	0.00	-2.0
NM_173028.2	*Vps13a*	vacuolar protein sorting 13A (yeast)	0.02	0.00	-4.7
NM_172840.2	*Vwa2*	von Willebrand factor A domain containing 2	0.00	0.00	-3.0
NM_027963.1	*Wdr16*	WD repeat domain 16	0.00	0.00	-2.1
NM_080848.1	*Wdr5*	WD repeat domain 5	0.00	0.00	-2.1
AK129287.1	*Whsc1*	Wolf-Hirschhorn syndrome candidate 1 (human)	0.01	0.00	-2.2
AK010881.1	*Wipi2*	WD repeat domain, phosphoinositide interacting 2	0.04	0.00	-2.5
NM_011719.2	*Wnt9b*	wingless-type MMTV integration site 9B	0.02	0.00	-4.9
NM_011726.1	*Xlr3a*	X-linked lymphocyte-regulated 3a (Xlr3a)	0.00	0.00	-2.5
NM_011726.1	*Xlr3a*	X-linked lymphocyte-regulated 3A	0.00	0.00	-8.8
NM_031493.1	*Xlr5c*	X-linked lymphocyte-regulated 5C	0.02	0.00	-6.2
NM_026858.2	*Xrcc6bp1*	XRCC6 binding protein 1	0.00	0.00	-2.1
NM_021394.1	*Zbp1*	Z-DNA binding protein 1	0.00	0.00	-9.7
AA882005.1	*Zbtb16*	zinc finger and BTB domain containing 16	0.04	0.00	-3.1
BC051084.1	*Zbtb42*	zinc finger and BTB domain containing 42	0.00	0.00	-3.8
BU756529.1	*Zcchc2*	zinc finger, CCHC domain containing 2	0.01	0.00	-2.1
AK016727.1	*Zfp597*	zinc finger protein 597	0.03	0.00	-2.7
NM_028913.1	*Zfp819*	zinc finger protein 819	0.00	0.00	-3.7
BM240956.2	*Zfp850*	zinc finger protein 850	0.04	0.00	-2.1
NM_009571.1	*Zfy2*	zinc finger protein 2, Y linked (Zfy2)	0.00	0.00	-5.8
AF401983.1	*Zim2*	zinc finger, imprinted 2	0.00	0.00	-4.2

NM_015785.1	*Zpbp*	zona pellucida binding protein	0.04	0.00	-2.3
NM_178375.2	*Zswim3*	zinc finger, SWIM domain containing 3	0.01	0.00	-2.8
BE946949.1	*Zyg11b*	zyg-ll homolog B (C. elegans)	0.00	0.00	-2.5
CA479032.1	*1190003J15Rik*	RIKEN cDNA 1190003J15 gene	0.01	0.00	-2.8
AK005608.1	*1700001L05Rik*	RIKEN cDNA 1700001L05 gene	0.00	0.00	-3.1
NM_029372.1	*1700011F14Rik*	RIKEN cDNA 1700011F14 gene	0.00	0.00	-2.8
AK005953.1	*1700013H16Rik*	RIKEN cDNA 1700013H16 gene	0.00	0.00	-9.2
NM_198637.1	*1700016K19Rik*	RIKEN cDNA 1700016K19 gene	0.00	0.00	-3.3
NM_025493.2	*1700018B24Rik*	enhancer of rudimentary homolog pseudogene	0.00	0.00	-5.4
AK006179.1	*1700020N01Rik*	RIKEN cDNA 1700020N01 gene	0.00	0.00	-2.5
AK006257.1	*1700023A16Rik*	RIKEN cDNA 1700023A16 gene	0.00	0.00	-3.2
CN843262.1	*1700024P04Rik*	RIKEN cDNA 1700024P04 gene	0.02	0.00	-2.4
NM_025503.1	*1700029P11Rik*	RIKEN cDNA 1700029P11 gene	0.01	0.00	-7.0
AK006959.1	*1700080O16Rik*	RIKEN cDNA 1700080O16 gene	0.02	0.00	-3.0
BY707078.1	*1700086P04Rik*	RIKEN cDNA 1700086P04 gene	0.00	0.00	-6.2
AK007177.1	*1700112H15Rik*	RIKEN cDNA 1700112H15 gene	0.00	0.00	-2.3
AK007250.1	*1700123I01Rik*	RIKEN cDNA 1700123I01 gene	0.00	0.00	-4.4
AK019107.1	*2410006F04Rik*	RIKEN cDNA 2410006F04 gene	0.01	0.00	-3.8
NM_025572.1	*2610528J11Rik*	RIKEN cDNA 2610528J11 gene	0.05	0.00	-2.5
NM_027512.1	*3830417A13Rik*	RIKEN cDNA 3830417A13 gene	0.05	0.00	-4.0
NM_025723.1	*4921515J06Rik*	RIKEN cDNA 4921515J06 gene	0.00	0.00	-10.8
AK015678.1	*4930502E18Rik*	RIKEN cDNA 4930502E18 gene	0.00	0.00	-2.1
NM_026262.1	*4930524B15Rik*	RIKEN cDNA 4930524B15 gene	0.05	0.00	-3.8
BC024760.1	*4930529M08Rik*	RIKEN cDNA 4930529M08 gene	0.02	0.00	-2.5
NM_198607.1	*4930572J05Rik*	RIKEN cDNA 4930572J05 gene	0.01	0.00	-2.5
AK016695.1	*4933406J08Rik*	RIKEN cDNA 4933406J08 gene	0.00	0.00	-3.6

AK048125.1	*4933411K20Rik*	RIKEN cDNA 4933411K20 gene	0.00	0.00	-4.1
AV281902.2	*4933427D06Rik*	RIKEN cDNA 4933427D06 gene	0.00	0.00	-7.1
NM_175017.2	*4933427D06Rik*	RIKEN cDNA 4933427D06 gene	0.01	0.00	-9.7
AV347067.2	*6430590A07Rik*	RIKEN cDNA 6430590A07 gene	0.00	0.00	-2.3
AK033245.1	*8030474K03Rik*	RIKEN cDNA 8030474K03 gene	0.00	0.00	-4.0
AK020619.1	*9530062K07Rik*	RIKEN cDNA 9530062K07 gene	0.04	0.00	-4.6
BC042745.1	*A330069E16Rik*	RIKEN cDNA A330069E16 gene	0.02	0.00	-2.3
NM_178796.3	*A530064D06Rik*	RIKEN cDNA A530064D06 gene	0.04	0.00	-3.3
NM_001004174.1	*AA467197*	expressed sequence AA467197	0.03	0.00	-3.0
BC020182.1			0.00	0.00	-2.0
NM_134063.2			0.00	0.00	-2.0
BC036332.1			0.03	0.00	-2.1
AK015922.1			0.05	0.00	-2.1
BB554612.2			0.02	0.00	-2.1
AK045740.1			0.01	0.00	-2.1
BY703358.1			0.01	0.00	-2.1
CO806983.1			0.02	0.00	-2.2
BY742236.1			0.01	0.00	-2.2
AI323998.1			0.00	0.00	-2.2
NM_201364.1			0.05	0.00	-2.2
BB559411.2			0.04	0.00	-2.2
CA464433.1			0.04	0.00	-2.2
BB268253.1			0.03	0.00	-2.3
AK082203.1			0.01	0.00	-2.3
BY368931.1			0.00	0.00	-2.3
BY710919.1			0.01	0.00	-2.3
AK079871.1			0.03	0.00	-2.3
BQ550570.1			0.04	0.00	-2.6
BE957117.1			0.00	0.00	-2.6
AI507010.1			0.00	0.00	-2.6
AK076976.1			0.00	0.00	-2.7
BB729271.1			0.02	0.00	-2.7
NM_023781.3			0.01	0.00	-2.7
AV254043.2			0.02	0.00	-2.7
BB520952.2			0.02	0.00	-2.8
NM_170757.1			0.02	0.00	-2.8
BG082668.2			0.00	0.00	-2.9
BB858483.1			0.00	0.00	-3.0
AK015184.1			0.04	0.00	-3.1

AK015606.1			0.00	0.00	-3.1
BB048290.1			0.02	0.00	-3.1
BE944454.1			0.02	0.00	-3.3
AI451225.1			0.04	0.00	-3.4
AK015130.1			0.00	0.00	-3.4
NM_009109.1			0.01	0.00	-3.4
BQ174097.1			0.00	0.00	-3.6
AI118499.1			0.03	0.00	-3.7
BX630487.1			0.00	0.00	-3.7
BB185781.1			0.00	0.00	-4.5
BG075960.2			0.04	0.00	-4.6
BF018919.1			0.02	0.00	-4.7
AW061221.1			0.00	0.00	-4.8
NM_023386.3			0.00	0.00	-4.9
BQ257921.1			0.03	0.00	-5.7
BG083749.2			0.00	0.00	-6.3
BY706965.1			0.00	0.00	-6.4
AI591895.1			0.02	0.00	-14.4