

Supplementary Table S3

Symbol	Probe ID	Description	Fold Change	P-Value
1500015O10Rik	1460049_s_a	RIKEN cDNA 1500015O10 gene	4.68	0.0109
1500015O10Rik	1423261_at	RIKEN cDNA 1500015O10 gene	3.48	0.0096
2610528A11Rik	1435639_at	RIKEN cDNA 2610528A11 gene	3.53	0.0498
2810417H13Rik	1419153_at	RIKEN cDNA 2810417H13 gene	2.41	0.0007
Adams12	1439827_at	A disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1	3.47	0.0002
Ahr	1422631_at	aryl-hydrocarbon receptor	2.05	0.004
Aldh1a2	1422789_at	aldehyde dehydrogenase family 1, subfamily A2	3.49	0.004
Aldh1a3	1448789_at	aldehyde dehydrogenase family 1, subfamily A3	6.06	0.0022
Alox12e	1426039_a_a	arachidonate lipoxygenase, epidermal	3.27	0.0355
Ang	1438936_s_a	angiogenin, ribonuclease, RNase A family, 5	2	0.0048
Angptl4	1417130_s_a	angiopoietin-like 4	2.41	0.0199
Anxa8	1425789_s_a	annexin A8	3.07	0.0054
Ap1s2	1447903_x_a	adaptor-related protein complex 1, sigma 2 subunit	2.08	0.028
Aplnr	1438651_a_a	apelin receptor	2.45	0.0021
Arg1	1419549_at	arginase, liver	3.08	0.0232
AU040911	1459513_at		2.09	0.0001
AV229522	1442936_at		2.15	0.009
AW543723	1441971_at		2.48	0.0198
BC018473	1427451_a_a	cDNA sequence BC018473	2.09	0.0091
Bcl2a1a	1419004_s_a	B cell leukemia/lymphoma 2 related protein A1a	2.86	0.0021
Bcl2l15	1452614_at	BCL2-like 15	2.12	0.0465
BE631223	1435872_at		2.56	0.0177
Birc5	1424278_a_a	baculoviral IAP repeat-containing 5	2.71	0.0017
BM899333	1436462_at		2.14	0.0047
Bnc1	1424890_at	basonuclin 1	2.01	0.0037
C1qb	1437726_x_a	complement component 1, q subcomponent, beta polypeptide	2.01	0.0069
Calcb	1422639_at	calcitonin-related polypeptide, beta	5.72	0.0001
Car12	1428485_at	carbonic anhydrase 12	3.81	0.004
Casp12	1418981_at	caspase 12	2.05	0.0118
Ccdc141	1437967_at	coiled-coil domain containing 141	2.01	0.0308
Ccl12	1419282_at	chemokine (C-C motif) ligand 12	2.23	0.0025
Ccl20	1422029_at	chemokine (C-C motif) ligand 20	3.1	0.0034
Ccnb1	1416076_at	cyclin B1	2.18	0.0269
Ccnd1	1417420_at	cyclin D1	2.2	0.0015
Ccnd2	1430127_a_a	cyclin D2	2.7	0.0106
Ccr1	1419609_at	chemokine (C-C motif) receptor 1	3.23	0.000098
Cd200	1448788_at	CD200 antigen	2	0.0011
Cd300lf	1427994_at	CD300 antigen like family member F	2.12	0.0007
Cd44	1452483_a_a	CD44 antigen	4.04	0.0003
Cd53	1448617_at	CD53 antigen	2.91	0.0011
Cd93	1456046_at	CD93 antigen	2.14	0.0116
Cdc20	1439377_x_a	cell division cycle 20	2.12	0.0056
Cdca8	1436847_s_a	cell division cycle associated 8	2.24	0.0111
Cdh11	1450757_at	cadherin 11	3.38	0.0165
Cdk1	1448314_at	cyclin-dependent kinase 1	2.61	0.0056
Cdkn2b	1449152_at	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	2.22	0.0063
Cebpd	1423233_at	CCAAT/enhancer binding protein (C/EBP), delta	2	0.0137
Cenpa	1450842_a_a	centromere protein A	2.26	0.0005
Cep55	1452242_at	centrosomal protein 55	2.81	0.0009
Ch11	1435190_at	cell adhesion molecule with homology to L1CAM	3.04	0.0146
Chst11	1428902_at	carbohydrate sulfotransferase 11	2.83	0.0005
Chsy1	1434316_at	chondroitin sulfate synthase 1	2.18	0.0192
Clca1	1460259_s_a	chloride channel calcium activated 1	4.32	0.0008
Clca2	1419463_at	chloride channel calcium activated 2	6.97	0.0004
Cldn10	1426147_s_a	claudin 10	2.09	0.0186
Clec4n	1425951_a_a	C-type lectin domain family 4, member n	3.64	0.0026
Clec7a	1420699_at	C-type lectin domain family 7, member a	2.33	0.0166
Col10a1	1422253_at	collagen, type X, alpha 1	3.93	0.0339

Col11a1	1418599_at	collagen, type XI, alpha 1	2.21	0.0165
Col12a1	1434411_at	collagen, type XII, alpha 1	3.94	0.0363
Col15a1	1448755_at	collagen, type XV, alpha 1	2.31	0.0163
Col18a1	1418237_s_a	collagen, type XVIII, alpha 1	2.29	0.0094
Col1a1	1455494_at	collagen, type I, alpha 1	3.07	0.0159
Col1a2	1423110_at	collagen, type I, alpha 2	3.75	0.014
Col3a1	1427884_at	collagen, type III, alpha 1	4.87	0.0091
Col4a1	1452035_at	collagen, type IV, alpha 1	2.45	0.0046
Col4a2	1424051_at	collagen, type IV, alpha 2	2.33	0.0403
Col5a1	1416741_at	collagen, type V, alpha 1	3	0.0069
Col5a2	1450625_at	collagen, type V, alpha 2	4.01	0.0034
Col6a3	1424131_at	collagen, type VI, alpha 3	2.57	0.032
Col8a1	1455627_at	collagen, type VIII, alpha 1	2.59	0.0054
Coro1a	1416246_a_a	coronin, actin binding protein 1A	2.22	0.0052
Cp	1455393_at	ceruloplasmin	5.49	0.0049
Cpxm1	1448901_at	carboxypeptidase X 1 (M14 family)	2.92	0.033
Crabp1	1448326_a_a	cellular retinoic acid binding protein I	2.72	0.0337
Crabp2	1451191_at	cellular retinoic acid binding protein II	2.93	0.0003
Crlf1	1418476_at	cytokine receptor-like factor 1	2.49	0.0092
Csf2rb	1455660_at	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	2.6	0.0058
Csta	1435760_at	cystatin A	2.22	0.0103
Cthrc1	1452968_at	collagen triple helix repeat containing 1	3.07	0.0032
Ctsk	1450652_at	cathepsin K	2.07	0.0144
Cxcl1	1419209_at	chemokine (C-X-C motif) ligand 1	5.63	0.0001
Cxcl2	1449984_at	chemokine (C-X-C motif) ligand 2	7.11	0.0003
Cxcl3	1438148_at	chemokine (C-X-C motif) ligand 3	3.34	0.0218
Cxcl5	1419728_at	chemokine (C-X-C motif) ligand 5	12	0.0004
Cxcr4	1448710_at	chemokine (C-X-C motif) receptor 4	2.06	0.0038
Cybb	1436779_at	cytochrome b-245, beta polypeptide	2.2	0.0089
Cyp7b1	1421074_at	cytochrome P450, family 7, subfamily b, polypeptide 1	3.12	0.0056
Cyr61	1416039_x_a	cysteine rich protein 61	2.76	0.0067
Ddah1	1429298_at	dimethylarginine dimethylaminohydrolase 1	2.33	0.0097
Dmkn	1428781_at	dermokine	2.07	0.0337
Dnm3os	1452382_at	dynamamin 3, opposite strand	2.31	0.0247
Dpysl3	1454613_at	Dihydropyrimidinase-like 3	2.09	0.004
Dsc3	1434534_at	desmocollin 3	2.18	0.0018
DST	1421117_at	Dystonin	2.22	0.002
Dusp4	1428834_at	dual specificity phosphatase 4	3.07	0.0008
Dusp6	1415834_at	dual specificity phosphatase 6	3.12	0.0002
Efemp2	1417018_at	epidermal growth factor-containing fibulin-like extracellular matrix protein 2	2.02	0.0244
Egr2	1427683_at	early growth response 2	2.17	0.0065
Emp1	1416529_at	epithelial membrane protein 1	2.17	0.0032
Ets1	1452163_at	E26 avian leukemia oncogene 1, 5' domain	2.48	0.0061
Fabp5	1416022_at	fatty acid binding protein 5, epidermal	2.67	0.0043
Fam198b	1416805_at	family with sequence similarity 198, member B	2.13	0.0098
Fap	1417552_at	fibroblast activation protein	3.42	0.0109
Fbln2	1423407_a_a	fibulin 2	2.14	0.0081
Fbn1	1460208_at	fibrillin 1	2.56	0.0033
Fcer1g	1418340_at	Fc receptor, IgE, high affinity I, gamma polypeptide	2.07	0.0346
Fcgr2b	1435477_s_a	Fc receptor, IgG, low affinity IIb	2.78	0.0023
Fcgr2b	1451941_a_a	Fc receptor, IgG, low affinity IIb	2.12	0.0051
Fcgr3	1448620_at	Fc receptor, IgG, low affinity III	2.11	0.0063
Fgf13	1418497_at	fibroblast growth factor 13	2.18	0.0019
Fgfbp1	1419086_at	fibroblast growth factor binding protein 1	3	0.0035
Fn1	1426642_at	fibronectin 1	2.92	0.0031
Fscn1	1416514_a_a	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuratus)	4.46	0.0064
Fstl1	1448259_at	follistatin-like 1	2.58	0.003
Gatm	1423569_at	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	2.01	0.0071
Gcnt2	1425503_at	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	2.07	0.0069
Gja1	1437992_x_a	gap junction protein, alpha 1	3.25	0.0016
Gja1	1415800_at	gap junction protein, alpha 1	3.23	0.0013

Gjb2	1423271_at	gap junction protein, beta 2	2.25	0.0013
Glipr1	1424927_at	GLI pathogenesis-related 1 (glioma)	2.71	0.0044
Gpr176	1442116_at	G protein-coupled receptor 176	2.48	0.003
Gpx2	1449279_at	glutathione peroxidase 2	3.81	0.001
Gvin1	1429184_at	GTPase, very large interferon inducible 1	2.4	0.0225
H2-Aa	1452431_s_a	histocompatibility 2, class II antigen A, alpha	3.32	0.0133
H2-Ab1	1425477_x_a	histocompatibility 2, class II antigen A, beta 1	3.01	0.0035
Hist1h2ae	1438009_at	histone cluster 1, H2ae	2.57	0.0036
Hp	1448881_at	haptoglobin	3.33	0.0059
Icam1	1424067_at	intercellular adhesion molecule 1	2.46	0.0043
Idi1	1451122_at	isopentenyl-diphosphate delta isomerase	2.36	0.0077
Ifi202b	1457666_s_a	interferon activated gene 202B	4.14	0.0405
Ifi203	1448775_at	interferon activated gene 203	2.1	0.0122
Ifi205	1452348_s_a	interferon activated gene 205	3.21	0.0052
Ifitm1	1424254_at	interferon induced transmembrane protein 1	2.26	0.0074
Igf1	1437401_at	insulin-like growth factor 1	2.27	0.048
Igkv1-117	1460423_x_a	immunoglobulin kappa variable 1-117	3.38	0.0197
Il1b	1449399_a_a	interleukin 1 beta	3.24	0.0005
Il4ra	1421034_a_a	interleukin 4 receptor, alpha	2.22	0.0047
Inhbb	1426858_at	inhibin beta-B	3.02	0.0045
Irg1	1427381_at	immunosuppressive gene 1	2.22	0.0022
Itgax	1419128_at	integrin alpha X	2.12	0.0019
Itg2	1450678_at	integrin beta 2	2.19	0.0045
Jag1	1421106_at	jagged 1	3.42	0.0004
Krt14	1423935_x_a	keratin 14	4.46	0.0078
Krt17	1423227_at	keratin 17	12.3	0.004
Krt5	1424096_at	keratin 5	2.18	0.0471
Krt6a	1422784_at	keratin 6A	11.6	0.0025
Lamb1	1424114_s_a	laminin B1	2.31	0.0012
Lbh	1429088_at	limb-bud and heart	2.57	0.0032
Lcn2	1427747_a_a	lipocalin 2	2.88	0.0072
Lgals1	1455439_a_a	lectin, galactose binding, soluble 1	2.86	0.0028
Lgals7	1422308_a_a	lectin, galactose binding, soluble 7	2.31	0.0333
Lhfp	1433776_at	lipoma HMGIC fusion partner	2.7	0.0033
Lilrb4	1420394_s_a	leukocyte immunoglobulin-like receptor, subfamily B, member 4	2.61	0.0011
LOC624295	1427514_at	uncharacterized LOC624295	2.33	0.0001
Lox	1416121_at	Lysyl oxidase	3.23	0.0066
Loxl2	1452436_at	lysyl oxidase-like 2	2.73	0.0097
Ltf	1450009_at	lactotransferrin	2.71	0.028
Lyz1	1436996_x_a	lysozyme 1	2.36	0.0016
Lyz2	1423547_at	lysozyme 2	2.39	0.0016
Mcm6	1416251_at	minichromosome maintenance deficient 6 (MIS5 homolog, <i>S. pombe</i>) (<i>S. cerevisiae</i>)	2.28	0.0034
Mki67	1426817_at	antigen identified by monoclonal antibody Ki 67	2.01	0.0015
Mmp13	1417256_at	matrix metalloproteinase 13	4.94	0.0274
Mmp3	1418945_at	matrix metalloproteinase 3	6.16	0.0005
Mndal	1452231_x_a	myeloid nuclear differentiation antigen like	2.58	0.012
Mrc2	1421045_at	mannose receptor, C type 2	2.06	0.025
Ms4a6b	1418826_at	membrane-spanning 4-domains, subfamily A, member 6B	2.22	0.0027
Msn	1450379_at	moesin	3.75	0.001
MsrB3	1454997_at	methionine sulfoxide reductase B3	2.11	0.0005
Myo1b	1459679_s_a	myosin IB	2.55	0.0048
Naip1	1425298_a_a	NLR family, apoptosis inhibitory protein 1	2.24	0.0055
Ncapg	1429171_a_a	non-SMC condensin I complex, subunit G	2.05	0.0056
Ncf4	1418465_at	neutrophil cytosolic factor 4	2.84	0.0007
Nfkbie	1458299_s_a	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, epsilon	2.35	0.0171
Nrarp	1417985_at	Notch-regulated ankyrin repeat protein	2.11	0.0045
Olfml2b	1423915_at	olfactomedin-like 2B	2.09	0.0021
Osmr	1418674_at	oncostatin M receptor	2.49	0.0005
Palmd	1417251_at	palmdelphin	2.02	0.0116
Pdgfrb	1436970_a_a	platelet derived growth factor receptor, beta polypeptide	2.72	0.0029
Pdlim7	1428319_at	PDZ and LIM domain 7	2.39	0.0081

Pdpn	1419309_at	podoplanin	2.24	0.0002
Pion	1427515_at	pigeon homolog (Drosophila)	2.22	0.0006
Pla1a	1417785_at	phospholipase A1 member A	2.25	0.0181
Pla2g7	1430700_a_a	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	2.83	0.0041
Plek	1448748_at	pleckstrin	2.34	0.0025
Plek	1448749_at	pleckstrin	2.06	0.0046
Plod2	1416687_at	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2	2.25	0.0225
Postn	1423606_at	periostin, osteoblast specific factor	4	0.0036
Ppic	1416498_at	peptidylprolyl isomerase C	2.43	0.0011
Ptgs2	1417262_at	prostaglandin-endoperoxide synthase 2	3.27	0.0435
Ptprc	1422124_a_a	protein tyrosine phosphatase, receptor type, C	3.04	0.0016
Pxdn	1428259_at	peroxidasin homolog (Drosophila)	2.58	0.0006
Pyhin1	1435330_at	pyrin and HIN domain family, member 1	2	0.0182
Rbp1	1448754_at	retinol binding protein 1, cellular	2.44	0.0049
Rftn1	1428696_at	raftlin lipid raft linker 1	2.08	0.0013
Rgs4	1416286_at	regulator of G-protein signaling 4	4.85	0.000014
Rgs4	1416287_at	regulator of G-protein signaling 4	2.05	0.0003
Rpgrip1	1421144_at	retinitis pigmentosa GTPase regulator interacting protein 1	4.66	0.0311
Rrm2	1434437_x_a	ribonucleotide reductase M2	2.62	0.0009
Rrm2	1448226_at	ribonucleotide reductase M2	2.43	0.0028
S100a8	1419394_s_a	S100 calcium binding protein A8 (calgranulin A)	4.91	0.0234
S100a9	1448756_at	S100 calcium binding protein A9 (calgranulin B)	4.8	0.0165
S1pr3	1438658_a_a	sphingosine-1-phosphate receptor 3	2.12	0.0196
Saa3	1450826_a_a	serum amyloid A 3	3.84	0.0056
Samd4	1436356_at	sterile alpha motif domain containing 4	2.08	0.0053
Sept11	1429234_s_a	septin 11	2	0.0026
Serpine1	1419149_at	serine (or cysteine) peptidase inhibitor, clade E, member 1	2.58	0.0004
Serpinh1	1450843_a_a	serine (or cysteine) peptidase inhibitor, clade H, member 1	3.05	0.0028
Sftpd	1420378_at	surfactant associated protein D	3.49	0.0182
Slc15a3	1420697_at	solute carrier family 15, member 3	2.23	0.0016
Slc16a1	1415802_at	solute carrier family 16 (monocarboxylic acid transporters), member 1	2.52	0.0015
Slc5a8	1425606_at	solute carrier family 5 (iodide transporter), member 8	3.01	0.0143
Slfn4	1427102_at	schlafen 4	4.43	0.0004
Slpi	1448377_at	secretory leukocyte peptidase inhibitor	2.5	0.0046
Socs3	1455899_x_a	suppressor of cytokine signaling 3	3.38	0.0013
Sparc	1416589_at	secreted acidic cysteine rich glycoprotein	2.15	0.0227
Spon1	1451342_at	spondin 1, (f-spondin) extracellular matrix protein	4.84	0.0191
Spp1	1449254_at	secreted phosphoprotein 1	10.7	0.0003
Sspn	1417644_at	sarcospan	2.09	0.0039
Steap4	1425829_a_a	STEAP family member 4	2.14	0.041
Stfa1	1435761_at	stefin A1	5.47	0.0022
Tgfb1	1448123_s_a	transforming growth factor, beta induced	3.43	0.0027
Thbs1	1460302_at	thrombospondin 1	3.64	0.0045
Thbs2	1422571_at	thrombospondin 2	7.23	0.0004
Timp1	1460227_at	tissue inhibitor of metalloproteinase 1	3.59	0.0057
Tm4sf1	1450958_at	transmembrane 4 superfamily member 1	3.81	0.0028
Tnc	1416342_at	tenascin C	7.04	0.0002
Tnfaip2	1438855_x_a	tumor necrosis factor, alpha-induced protein 2	3.94	0.0019
Tnfaip3	1433699_at	tumor necrosis factor, alpha-induced protein 3	2.24	0.0029
Tnfrsf12a	1418572_x_a	tumor necrosis factor receptor superfamily, member 12a	2.32	0.0044
Top2a	1454694_a_a	topoisomerase (DNA) II alpha	2.61	0.0002
Tpm4	1433883_at	tropomyosin 4	2.35	0.0019
Trf	1425546_a_a	transferrin	2.19	0.0018
Ttc9	1455649_at	tetratricopeptide repeat domain 9	2.2	0.0072
Tubb6	1416431_at	tubulin, beta 6 class V	3	0.0092
Tyrobp	1450792_at	TYRO protein tyrosine kinase binding protein	2.56	0.0037
Ubd	1419762_at	ubiquitin D	2.69	0.0448
Ube2c	1452954_at	ubiquitin-conjugating enzyme E2C	2.72	0.0039
Uhrf1	1415810_at	ubiquitin-like, containing PHD and RING finger domains, 1	2.16	0.0008
Vcan	1421694_a_a	versican	3.85	0.0003
Vim	1456292_a_a	vimentin	2.2	0.0032

Wisp1

1448594_at WNT1 inducible signaling pathway protein 1

2.38

0.0022