

ID	Gene Symbol	Gene Title	Average WT	Average KO	Ratio of KO/WT
1453218_at	Lce1c	late cornified envelope 1C	9,91	521,01	52,58
1448745_s_at	Lor	loricrin	18,75	836	44,6
1420350_at	Lce1a2	late cornified envelope 1A2	25,65	916,08	35,71
1428980_at	Krpr	keratinocyte expressed, proline-rich	14,7	486,02	33,06
1420741_x_at	Lce1i	late cornified envelope 1I	58,49	1871,41	31,99
1417023_a_at	Fabp4	fatty acid binding protein 4, adipocyte	8,01	229,57	28,66
1420677_x_at	Lce1a1	late cornified envelope 1A1	103,09	2731,4	26,5
1420676_at	Lce1a1	late cornified envelope 1A1	88,53	2338,54	26,42
1420431_at	Rptn	repetin	8,73	222,64	25,51
1419409_at	Lce1b	late cornified envelope 1B	11,73	285,56	24,35
1420332_x_at	Lce1d	late cornified envelope 1D	136,64	3030,02	22,17
1420550_at	Lce1f	late cornified envelope 1F	149,9	3282,88	21,9
1454632_at	Tmem229b	transmembrane protein 229B	6,2	122,85	19,81
1456001_at	Lce3a	late cornified envelope 3A	88,96	1761,5	19,8
1417808_at	2310050C09Rik	RIKEN cDNA 2310050C09 gene	11,44	194,91	17,04
1453405_at	Pla2g4d	phospholipase A2, group IVD	9,53	127,35	13,37
1454883_at	Gsdmc2	gasdermin C2	7,75	101,32	13,08
1457254_x_at	Tmem229b	transmembrane protein 229B	9,48	109,52	11,55
1451263_a_at	Fabp4	fatty acid binding protein 4, adipocyte	10,72	112,63	10,51
1429987_at	9930013L23Rik	RIKEN cDNA 9930013L23 gene	33,56	348,79	10,39
1435191_at	Cdsn	corneodesmosin	228,34	2283,69	10
1425715_at	Il1f8	interleukin 1 family, member 8	50,14	445,59	8,89
1429641_x_at	Lce3b	late cornified envelope 3B	205,92	1789,12	8,69
1437811_x_at	---	---	124,63	1061,84	8,52
1439183_at	Acer1	alkaline ceramidase 1	39,61	329,06	8,31
1460337_at	Sh3kbp1	SH3-domain kinase binding protein 1	124,67	996,74	8
1416687_at	Plod2	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2	68,4	521,39	7,62
1431592_a_at	Sh3kbp1	SH3-domain kinase binding protein 1	153,98	1141,99	7,42
1421460_at	Dsc1	desmocollin 1	88,51	633,63	7,16
1435363_at	Plekhhg1	pleckstrin homology domain containing, family G (with RhoGef domain) member 1	34,5	242,72	7,04
1427268_at	Flg	filaggrin	182,29	1217,65	6,68
1420183_at	Lor	loricrin	219,72	1458,32	6,64
1454264_at	2310046K23Rik	RIKEN cDNA 2310046K23 gene	320,18	2083,28	6,51
1435207_at	Dixdc1	DIX domain containing 1	67,6	433,48	6,41
1422324_a_at	Pthlh	parathyroid hormone-like peptide	22,6	137,47	6,08
1442339_at	Stfa2l1	stefin A2 like 1	95,36	572,52	6
1423494_at	2310042E22Rik	RIKEN cDNA 2310042E22 gene	69,27	410,13	5,92
1436838_x_at	Cotl1	coactosin-like 1 (Dictyostelium)	1340,61	7835,89	5,85
1456203_at	1110020A10Rik	RIKEN cDNA 1110020A10 gene	224,47	1292,35	5,76
1423407_a_at	Fbln2	fibulin 2	30,1	166,85	5,54
1456515_s_at	Tcf15	transcription factor-like 5 (basic helix-loop-helix)	45,67	250,21	5,48
1422222_at	lvl	involucrin	85,94	456,81	5,32
1430785_at	Sdr9c7	4short chain dehydrogenase/reductase family 9C, member 7	78,64	412,27	5,24
1456074_at	Sdr9c7	4short chain dehydrogenase/reductase family 9C, member 7	43,45	226,72	5,22
1422963_at	Sprr2i	small proline-rich protein 2I	371,81	1892,56	5,09
1417695_a_at	Soat1	sterol O-acyltransferase 1	180,2	910,48	5,05
1422184_a_at	Ak1	adenylate kinase 1	66,53	333,41	5,01
1437842_at	Plcxd1	phosphatidylinositol-specific phospholipase C, X domain containing 1	52,06	259,89	4,99
1418110_a_at	Inpp5d	inositol polyphosphate-5-phosphatase D	42,08	204,81	4,87
1432269_a_at	Sh3kbp1	SH3-domain kinase binding protein 1	28,28	136,66	4,83
1436236_x_at	Cotl1	coactosin-like 1 (Dictyostelium)	156,95	757,26	4,83
1416002_x_at	Cotl1	coactosin-like 1 (Dictyostelium)	63,51	299,82	4,72
1417697_at	Soat1	sterol O-acyltransferase 1	23,7	109,27	4,61
1416686_at	Plod2	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2	33,03	151,77	4,6
1448756_at	S100a9	S100 calcium binding protein A9 (calgranulin B)	823,02	3777,97	4,59
1448397_at	Gjb6	gap junction protein, beta 6	129,93	581,63	4,48
1435760_at	Csta	cystatin A	770,45	3394,13	4,41
1457777_at	Gsdma	gasdermin A	50,44	221,13	4,38
1419317_x_at	Lce3c	late cornified envelope 3C	1048,79	4489,93	4,28
1422588_at	Krt6b	keratin 6B	2738,76	11414,19	4,17
1450633_at	Calm4	calmodulin 4	2384,41	9875,39	4,14
1439878_at	lvl	involucrin	540,59	2232,73	4,13
1450936_a_at	Dnase1l2	deoxyribonuclease 1-like 2	75,34	305,9	4,06
1449959_x_at	Lce1h	late cornified envelope 1H	176,9	698,75	3,95
1438855_x_at	Tnfaip2	tumor necrosis factor, alpha-induced protein 2	299,81	1179,92	3,94
1449451_at	Serpinh11	serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 11	29,65	112,35	3,79
1457025_at	Sdr16c6	short chain dehydrogenase/reductase family 16C, member 6	154,68	586,25	3,79
1421851_at	Mtap1b	microtubule-associated protein 1B	28,81	108,16	3,75
1424549_at	Degs2	degenerative spermatocyte homolog 2 (Drosophila), lipid desaturase	137,78	509,53	3,7
1437216_at	Ccdc88a	coiled coil domain containing 88A	80,78	293,73	3,64
1416846_a_at	Pdzrn3	PDZ domain containing RING finger 3	32,98	119,5	3,62
1457448_at	Pnpla1	patatin-like phospholipase domain containing 1	47,12	169,27	3,59
1429540_at	Cnfn	cornifelin	1728,66	6172,19	3,57
1429862_at	Pla2g4e	phospholipase A2, group IVE	162,98	577,43	3,54
1419394_s_at	S100a8	S100 calcium binding protein A8 (calgranulin A)	1918,71	6785,7	3,54
1418609_at	Il1f6	interleukin 1 family, member 6	39,16	135,4	3,46
1451751_at	Ddit4l	DNA-damage-inducible transcript 4-like	40,99	137,69	3,36
1449279_at	Gpx2	glutathione peroxidase 2	172,63	571,26	3,31
1444139_at	Ddit4l	DNA-damage-inducible transcript 4-like	84,59	278,99	3,3
1456211_at	Nlrp10	NLR family, pyrin domain containing 10	134,18	442,38	3,3
1435281_at	Cpt1c	carnitine palmitoyltransferase 1c	83,86	274,8	3,28
1419099_x_at	Stom	stomatin	210,93	685,82	3,25
1425801_x_at	Cotl1	coactosin-like 1 (Dictyostelium)	120,62	390,39	3,24
1448982_at	Klk6	kallikrein related-peptidase 6	448,18	1436,16	3,2
1455812_x_at	Vasr	vasorin	381,81	1219,98	3,2
1430724_at	Ephx3	epoxide hydrolase 3	54,27	171,61	3,16

1428705_at	1700007K13Rik	RIKEN cDNA 1700007K13 gene	52,2	164,4	3,15
1417696_at	Soat1	sterol O-acyltransferase 1	203,02	638,99	3,15
1447602_x_at	Sulf2	sulfatase 2	448,42	1413,73	3,15
1455180_at	Gcom1	GRINL1A complex locus	34,3	106,79	3,11
1417860_a_at	Spon2	spondin 2, extracellular matrix protein	147,83	455,02	3,08
1455519_at	Dsg1b	desmoglein 1 beta	327,37	1004,49	3,07
1420771_at	Sprr2d	small proline-rich protein 2D	2615,32	8028,18	3,07
1448890_at	Klf2	Kruppel-like factor 2 (lung)	33,76	103,46	3,06
1419098_at	Stom	stomatin	202,3	618,52	3,06
1456795_at	Bend4	BEN domain containing 4	36,84	110,33	2,99
1449341_a_at	Stom	stomatin	172,58	513,68	2,98
1415997_at	Txnip	thioredoxin interacting protein	76,04	222,27	2,92
1421156_a_at	Dsc2	desmocollin 2	796,53	2327,1	2,92
1437407_at	Rnf222	ring finger protein 222	37,13	108,05	2,91
1449833_at	Sprr2f	small proline-rich protein 2F	578,05	1682,38	2,91
1415862_at	Tyrp1	tyrosinase-related protein 1	126,07	364,04	2,89
1455792_x_at	Ndn	neccdin	76,33	218,74	2,87
1449682_s_at	Tubb2a-ps2 /// Tubb2b	tubulin, beta 2a, pseudogene 2 /// tubulin, beta 2B	356,85	1022,43	2,87
1454015_a_at	Cdh13	cadherin 13	88,2	252,6	2,86
1423634_at	Gsdma	gasdermin A	192,16	550,2	2,86
1417576_a_at	Otub2	OTU domain, ubiquitin aldehyde binding 2	73,39	209,47	2,85
1421370_a_at	Il1f5	interleukin 1 family, member 5 (delta)	587,99	1673,99	2,85
1415861_at	Tyrp1	tyrosinase-related protein 1	160,55	455,29	2,84
1430700_a_at	Pla2g7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	83,54	235,69	2,82
1453092_at	Crcr1	cysteine-rich C-terminal 1	4886,91	13636,36	2,79
1450811_at	Sprr2j-ps	small proline-rich protein 2J, pseudogene	550,65	1535,98	2,79
1423071_x_at	LOC100505088	hypothetical LOC100505088	101,77	282,58	2,78
1416342_at	Tnc	tenascin C	1112,14	3020,97	2,72
1419157_at	Sox4	SRY-box containing gene 4	140,01	380,84	2,72
1424195_a_at	Inpp5d	inositol polyphosphate-5-phosphatase D	55,16	148,26	2,69
1449974_at	Gapdhs	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic	173,12	465,41	2,69
1438849_at	Krt78	keratin 78	85,96	229,96	2,68
1456248_at	Lce3f	late cornified envelope 3F	765,19	2050,09	2,68
1455106_a_at	Ckb	creatine kinase, brain	56,06	147,87	2,64
1448810_at	Gne	glucosamine	83,2	219,63	2,64
1445818_at	4930544M13Rik	RIKEN cDNA 4930544M13 gene	43,2	113,37	2,62
1420537_at	Kctd4	potassium channel tetramerisation domain containing 4	157,4	412,08	2,62
1427894_at	Vasn	vasorin	61,47	160,65	2,61
1416001_a_at	Cotl1	coactosin-like 1 (Dictyostelium)	47,02	122,65	2,61
1418028_at	Dct	dopachrome tautomerase	87,25	224,42	2,57
1438118_x_at	Vim	vimentin	41,18	105,59	2,56
1434083_a_at	Elmod1	ELMO domain containing 1	42,45	108,47	2,56
1434959_at	Dhh	desert hedgehog	66,37	168,8	2,54
1417218_at	Calhm2	calcium homeostasis modulator 2	61,97	157,44	2,54
1430388_a_at	Sulf2	sulfatase 2	264,33	669,71	2,53
1418266_at	Alox12b	arachidonate 12-lipoxygenase, 12R type	73,72	185,47	2,52
1426481_at	Klhl22	kelch-like 22 (Drosophila)	43,42	109,15	2,51
1457700_at	Cyp4f39	cytochrome P450, family 4, subfamily f, polypeptide 39	117,81	293,53	2,49
1422344_s_at	Tnfrsf10b	tumor necrosis factor receptor superfamily, member 10b	44,58	110,76	2,48
1416926_at	Trp53inp1	transformation related protein 53 inducible nuclear protein 1	1780,44	4390,77	2,47
1423274_at	Ints6	integrator complex subunit 6	286,68	705,41	2,46
1460463_at	H60c	histocompatibility 60c	252,44	616,46	2,44
1416666_at	Serpine2	serine (or cysteine) peptidase inhibitor, clade E, member 2	53,23	129,13	2,43
1435761_at	BC100530 /// Stfa1	cDNA sequence BC100530 /// stefin A1	6634,27	16131,27	2,43
1435383_x_at	Ndn	neccdin	167,21	407,09	2,43
1449169_at	Has2	hyaluronan synthase 2	83,7	202,93	2,42
1448364_at	Ccng2	cyclin G2	125,49	303,62	2,42
1444723_at	6530418L21Rik	RIKEN cDNA 6530418L21 gene	47,84	115,28	2,41
1418072_at	Hist1h2bc	histone cluster 1, H2bc	927,16	2231,64	2,41
1456005_a_at	Bcl2l11	BCL2-like 11 (apoptosis facilitator)	45,24	108,7	2,4
1435382_at	Ndn	neccdin	171,5	409,68	2,39
1452679_at	Tubb2b	tubulin, beta 2B	1312,08	3131,18	2,39
1416488_at	Ccng2	cyclin G2	440,8	1046,74	2,37
1424528_at	Cgref1	cell growth regulator with EF hand domain 1	63,58	150,26	2,36
1429676_at	---	---	138,81	328,02	2,36
1438658_a_at	S1pr3	sphingosine-1-phosphate receptor 3	46,85	108,96	2,33
1426915_at	Dapk1	death associated protein kinase 1	163,2	379,72	2,33
1423271_at	Gjb2	gap junction protein, beta 2	956,07	2226,46	2,33
1428111_at	Slc38a4	solute carrier family 38, member 4	56,07	130,23	2,32
1437111_at	Zc3h12c	zinc finger CCCH type containing 12C	93,96	217,94	2,32
1421605_a_at	Aqp9	aquaporin 9	126,46	290,49	2,3
1415996_at	Txnip	thioredoxin interacting protein	233,88	537,34	2,3
1417516_at	Ddit3	DNA-damage inducible transcript 3	361,84	832,19	2,3
1419097_a_at	Stom	stomatin	594,46	1366,32	2,3
1420973_at	Arid5b	AT rich interactive domain 5B (MRF1-like)	49,83	114,24	2,29
1423294_at	Mest	mesoderm specific transcript	125,76	287,9	2,29
1437176_at	Nlrc5	NLR family, CARD domain containing 5	86,9	198,18	2,28
1424938_at	Steap1	six transmembrane epithelial antigen of the prostate 1	545,93	1235,63	2,26
1435572_at	2310014L17Rik	RIKEN cDNA 2310014L17 gene	165,36	373,37	2,26
1438910_a_at	Stom	stomatin	501,5	1134,74	2,26
1426911_at	Dsc2	desmocollin 2	1254,4	2824,74	2,25
1431322_at	Igfb3	immunoglobulin superfamily, member 3	239,88	537,76	2,24
1447852_x_at	Rilpl1	Rab interacting lysosomal protein-like 1	126,7	283,42	2,24
1455140_at	Pitpnm3	PITPNM family member 3	120,52	269,9	2,24
1439555_at	Rlf	rearranged L-myc fusion sequence	74,25	165,5	2,23
1422523_at	Si	silver	53,13	118,57	2,23
1439409_x_at	Tyrp1	tyrosinase-related protein 1	83,4	185,79	2,23

1428025_s_at	Pitpnc1	phosphatidylinositol transfer protein, cytoplasmic 1	318,41	708,61	2,23
1420388_at	Prss12	protease, serine, 12 neurotrypsin (motopsin)	297,05	662,81	2,23
1439352_at	Trim7	tripartite motif-containing 7	109,73	244,72	2,23
1428306_at	Ddit4	DNA-damage-inducible transcript 4	3160,84	7014,58	2,22
1424226_at	9030617O03Rik	RIKEN cDNA 9030617O03 gene	143,54	318,15	2,22
1449938_at	Endou	endonuclease, polyU-specific	3605,58	7990,47	2,22
1449367_at	Trex2	three prime repair exonuclease 2	564,62	1246,09	2,21
1417689_a_at	Pdzk1ip1	PDZK1 interacting protein 1	57,91	126,61	2,19
1425139_at	Sesn2	sestrin 2	363,79	793,36	2,18
1433885_at	Iqgap2	IQ motif containing GTPase activating protein 2	157,4	341,27	2,17
1447903_x_at	Ap1s2	adaptor-related protein complex 1, sigma 2 subunit	48,18	103,98	2,16
1421134_at	Areg	amphiregulin	768,48	1657,53	2,16
1425296_a_at	Rgs3	regulator of G-protein signaling 3	112,35	242,81	2,16
1454971_x_at	Tsc22d1	TSC22 domain family, member 1	5747,98	12386,08	2,15
1434115_at	Cdh13	cadherin 13	100,7	216,44	2,15
1449937_at	Endou	endonuclease, polyU-specific	1665,82	3577	2,15
1421624_a_at	Enah	enabled homolog (Drosophila)	575,94	1238,46	2,15
1429230_at	Klk5	kallikrein related-peptidase 5	102,04	218,3	2,14
1437232_at	Bpil2	bactericidal/permeability-increasing protein-like 2	465,4	990,57	2,13
1416927_at	Trp53inp1	transformation related protein 53 inducible nuclear protein 1	100,98	213,71	2,12
1456317_at	Aldh3b2	aldehyde dehydrogenase 3 family, member B2	64,2	135,21	2,11
1426858_at	Inhbb	inhibin beta-B	648,33	1368,52	2,11
1419721_at	Niacr1	niacin receptor 1	58,52	123,02	2,1
1435394_s_at	Rhoc	ras homolog gene family, member C	48,61	101,35	2,09
1450449_a_at	Rilpl1	Rab interacting lysosomal protein-like 1	80,96	169,29	2,09
1420583_a_at	Rora	RAR-related orphan receptor alpha	120,91	253,31	2,09
1425416_s_at	Psrc1	proline/serine-rich coiled-coil 1	94,12	196,11	2,08
1417268_at	Cd14	CD14 antigen	72,68	151,06	2,08
1438402_at	Fam171a1	family with sequence similarity 171, member A1	53,97	112,49	2,08
1448239_at	Hmox1	heme oxygenase (decycling) 1	746,3	1551,67	2,08
1427742_a_at	Klf6	Kruppel-like factor 6	1790,83	3720,52	2,08
1437722_x_at	Pcbp3	Poly(rC) binding protein 3	121,69	253,69	2,08
1418203_at	Pmaip1	phorbol-12-myristate-13-acetate-induced protein 1	3564,72	7414,78	2,08
1424011_at	Aqp9	aquaporin 9	163,33	337,8	2,07
1418538_at	Kdelr3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	145,43	300,6	2,07
1451776_s_at	Hopx	HOP homeobox	3122,08	6396,47	2,05
1418181_at	Ptp4a3	protein tyrosine phosphatase 4a3	258,28	528,27	2,05
1433453_a_at	Abtb2	ankyrin repeat and BTB (POZ) domain containing 2	1276,5	2599,12	2,04
1423542_at	Klk7	kallikrein related-peptidase 7 (chymotryptic, stratum corneum)	2408,22	4922,56	2,04
1419709_at	Stfa3	stefin A3	1982,8	4051,39	2,04
1454758_a_at	Tsc22d1	TSC22 domain family, member 1	2721,86	5514,13	2,03
1417575_at	Otub2	OTU domain, ubiquitin aldehyde binding 2	233,79	475,67	2,03
1435945_a_at	Kcnm4	potassium intermediate/small conductance calcium-activated channel, subfamily N,	2192,95	4424,42	2,02
1454646_at	Tcp11l2	t-complex 11 (mouse) like 2	126,28	255,13	2,02
1460501_at	4930521G14Rik	RIKEN cDNA 4930521G14 gene	171,48	345,79	2,02
1448889_at	Slc38a4	solute carrier family 38, member 4	191,37	386,46	2,02
1424530_at	Sec14l2	SEC14-like 2 (S. cerevisiae)	55,22	110,87	2,01
1426995_a_at	Gfer	growth factor, erv1 (S. cerevisiae)-like (augmenter of liver regeneration)	636,08	1278,61	2,01
1451628_a_at	Ank3	ankyrin 3, epithelial	66,86	133,86	2
1424351_at	Wfdc2	WAP four-disulfide core domain 2	774,21	1545,35	2
1451416_a_at	Tgm1	transglutaminase 1, K polypeptide	182,12	363,62	2
1417415_at	Slc6a3	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	137,3	68,58	-2
1434520_at	Sc5d	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae)	232,6	116,22	-2
1425681_a_at	Prnd	prion protein dublet	293,05	145,61	-2,01
1436186_at	E2f8	E2F transcription factor 8	1601,83	798,73	-2,01
1418694_at	Kcmf1	potassium channel modulatory factor 1	318,59	158,34	-2,01
1440221_at	AA408650	expressed sequence AA408650	132,45	65,59	-2,02
1415824_at	Scd2	stearoyl-Coenzyme A desaturase 2	1516,44	751,91	-2,02
1449773_s_at	Gadd45b	growth arrest and DNA-damage-inducible 45 beta	1443,92	714,84	-2,02
1455732_at	1700025G04Rik	RIKEN cDNA 1700025G04 gene	976,77	483,18	-2,02
1450005_x_at	Dlk2	delta-like 2 homolog (Drosophila)	893,88	441,67	-2,02
1437181_at	Peli2	pellino 2	119,65	59,01	-2,03
1426208_x_at	Plagl1	pleiomorphic adenoma gene-like 1	8214,46	4036,86	-2,03
1423680_at	Fads1	fatty acid desaturase 1	283,79	139,46	-2,03
1429067_at	Capns2	calpain, small subunit 2	2409,94	1181,11	-2,04
1417654_at	Sdc4	syndecan 4	391,84	191,86	-2,04
1441975_at	Acpp	acid phosphatase, prostate	800,22	391,95	-2,04
1436839_at	2010109K11Rik	RIKEN cDNA 2010109K11 gene	1459,38	712,71	-2,05
1421262_at	Lipg	lipase, endothelial	1805,04	879,06	-2,05
1418184_at	Cenpm	centromere protein M	324,8	158,36	-2,05
1420847_a_at	Fgfr2	fibroblast growth factor receptor 2	1896,6	924,76	-2,05
1441855_x_at	Cxcl1	chemokine (C-X-C motif) ligand 1	562,89	273,53	-2,06
1427537_at	Eppk1	epiplakin 1	271,9	131,45	-2,07
1448950_at	Il1r1	interleukin 1 receptor, type I	326,38	158	-2,07
1417823_at	Gcat	glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)	807,23	389,94	-2,07
1454942_at	Fam129a	family with sequence similarity 129, member A	560,07	269,76	-2,08
1451320_at	Arhgap8	Rho GTPase activating protein 8	363,54	174,62	-2,08
1419209_at	Cxcl1	chemokine (C-X-C motif) ligand 1	11752,01	5629,03	-2,09
1428140_at	Oxct1	3-oxoacid CoA transferase 1	3581,59	1709,61	-2,09
1448147_at	Tnfrsf19	tumor necrosis factor receptor superfamily, member 19	149,2	70,93	-2,1
1419052_at	Ovol1	OVO homolog-like 1 (Drosophila)	137,61	65,22	-2,11
1416996_at	Tbc1d8	TBC1 domain family, member 8	477,57	226,37	-2,11
1442291_at	Lpar2	lysophosphatidic acid receptor 2	209,87	98,79	-2,12
1417403_at	Elov16	ELOVL family member 6, elongation of long chain fatty acids (yeast)	523,72	247,31	-2,12
1435155_at	Cgn	cingulin	304,13	143,58	-2,12
1415823_at	Scd2	stearoyl-Coenzyme A desaturase 2	6800,97	3200,18	-2,13
1418546_a_at	Stambpl1	STAM binding protein like 1	765,28	358,63	-2,13

1417971_at	Nrm	nurim (nuclear envelope membrane protein)	566,76	265,55	-2,13
1434194_at	Mtap2	microtubule-associated protein 2	153,93	71,9	-2,14
1434684_at	Rin3	Ras and Rab interactor 3	109,95	50,82	-2,16
1422403_at	Ifna	predicted gene 12597 /// predicted gene 13280 /// interferon alpha 1 /// interfe	108,65	50,36	-2,16
1455320_at	Nampt	nicotinamide phosphoribosyltransferase	274,29	126,29	-2,17
1451854_a_at	Shroom3	shroom family member 3	375,3	172,61	-2,17
1429566_a_at	Hipk2	homeodomain interacting protein kinase 2	147	67,13	-2,19
1434474_at	Abca5	ATP-binding cassette, sub-family A (ABC1), member 5	234,26	107,06	-2,19
1417022_at	Slc7a3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	2079,58	950,16	-2,19
1450618_a_at	Sprr2a1 /// Sprr2a2	small proline-rich protein 2A1 /// small proline-rich protein 2A2	22994,87	10494,86	-2,19
1458802_at	Hivep3	human immunodeficiency virus type I enhancer binding protein 3	170,88	77,7	-2,2
1423890_x_at	Atp1b1	ATPase, Na+/K+ transporting, beta 1 polypeptide	818,53	372,56	-2,2
1439036_a_at	Atp1b1	ATPase, Na+/K+ transporting, beta 1 polypeptide	1699,49	769,47	-2,21
1418824_at	Arf6	ADP-ribosylation factor 6	106,92	48,03	-2,23
1415904_at	Lpl	lipoprotein lipase	263,04	118,21	-2,23
1424413_at	Ogfrl1	opioid growth factor receptor-like 1	210,7	93,89	-2,24
1416039_x_at	Cyr61	cysteine rich protein 61	4400,54	1963,84	-2,24
1435283_s_at	Fam189a2	family with sequence similarity 189, member A2	249,39	111,47	-2,24
1434307_at	Tmem64	transmembrane protein 64	147,2	65,44	-2,25
1450014_at	Cldn1	claudin 1	2182,65	964,11	-2,26
1416527_at	Rab32	RAB32, member RAS oncogene family	2121,36	939,14	-2,26
1417332_at	Rfx2	regulatory factor X, 2 (influences HLA class II expression)	121,76	53,29	-2,28
1429298_at	Ddah1	dimethylarginine dimethylaminohydrolase 1	719,03	314,9	-2,28
1435330_at	Pyh1n1	pyrin and HIN domain family, member 1	983,69	428,89	-2,29
1455400_at	Ddah1	dimethylarginine dimethylaminohydrolase 1	367,78	160,59	-2,29
1429665_at	Haus6	HAUS augmin-like complex, subunit 6	231,59	101,02	-2,29
1435105_at	Rnf208	ring finger protein 208	383,21	166,42	-2,3
1438953_at	Figf	c-fos induced growth factor	842,82	366,85	-2,3
1436472_at	Sifn9	schlafen 9	702,83	305,58	-2,3
1434013_at	Ablim3	actin binding LIM protein family, member 3	219,96	95,26	-2,31
1450533_a_at	Plagl1	pleiomorphic adenoma gene-like 1	142,65	61,41	-2,32
1451775_s_at	Il13ra1	interleukin 13 receptor, alpha 1	285,76	123,12	-2,32
1435354_at	Kcnj15	potassium inwardly-rectifying channel, subfamily J, member 15	153,17	65,75	-2,33
1459497_at	---	---	171,35	73,23	-2,34
1417343_at	Fxyd6	FXYP domain-containing ion transport regulator 6	117,49	50,28	-2,34
1416008_at	Satb1	special AT-rich sequence binding protein 1	384,97	164,28	-2,34
1427183_at	Efemp1	epidermal growth factor-containing fibulin-like extracellular matrix protein 1	3383,2	1446,11	-2,34
1449984_at	Cxcl2	chemokine (C-X-C motif) ligand 2	128,79	54,87	-2,35
1440409_at	Gcnt3	glucosaminyl (N-acetyl) transferase 3, mucin type	312,23	133,02	-2,35
1438133_a_at	Cyr61	cysteine rich protein 61	2862,12	1215,82	-2,35
1427165_at	Il13ra1	interleukin 13 receptor, alpha 1	564,15	239,24	-2,36
1448377_at	Slpi	secretory leukocyte peptidase inhibitor	1716,27	726,23	-2,36
1439016_x_at	Sprr2a1 /// Sprr2a2 /// Sprr2a3	small proline-rich protein 2A1 /// small proline-rich protein 2A2 /// small prol	22293,61	9457,2	-2,36
1424456_at	Pvrl2	poliovirus receptor-related 2	527,17	222,17	-2,37
1438954_x_at	Figf	c-fos induced growth factor	858,52	361,19	-2,38
1440220_at	Ocln	occludin	209,06	87,43	-2,39
1416077_at	Adm	adrenomedullin	4268,41	1774,58	-2,41
1419905_s_at	Hpgd	hydroxyprostaglandin dehydrogenase 15 (NAD)	280,35	116,39	-2,41
1435176_a_at	Id2	inhibitor of DNA binding 2	4463,34	1842,28	-2,42
1454995_at	Ddah1	dimethylarginine dimethylaminohydrolase 1	293,94	121,28	-2,42
1435282_at	Fam189a2	family with sequence similarity 189, member A2	109,15	44,75	-2,44
1423771_at	Prkcdp	protein kinase C, delta binding protein	1670,46	685,73	-2,44
1448254_at	Ptn	pleiotrophin	182,01	73,95	-2,46
1451054_at	Orm1	orosomucoid 1	1092,04	442,54	-2,47
1419728_at	Cxcl5	chemokine (C-X-C motif) ligand 5	5313,93	2154,25	-2,47
1437932_a_at	Cldn1	claudin 1	6207,13	2502,5	-2,48
1419532_at	Il1r2	interleukin 1 receptor, type II	283,92	113,16	-2,51
1448931_at	F2rl1	coagulation factor II (thrombin) receptor-like 1	665,34	265,38	-2,51
1417703_at	Pvrl2	poliovirus receptor-related 2	317,33	126,64	-2,51
1427284_a_at	Ttpa	tocopherol (alpha) transfer protein	217,55	86,46	-2,52
1454783_at	Il13ra1	interleukin 13 receptor, alpha 1	735	290,37	-2,53
1422470_at	Bnip3	BCL2/adenovirus E1B interacting protein 3	3719,89	1469,58	-2,53
1417930_at	Nab2	Ngfi-A binding protein 2	152,81	59,92	-2,55
1437422_at	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembran	659,89	259,13	-2,55
1449528_at	Figf	c-fos induced growth factor	387,04	151,35	-2,56
1425458_a_at	Grb10	growth factor receptor bound protein 10	909,76	354,26	-2,57
1416007_at	Satb1	special AT-rich sequence binding protein 1	647,25	248,45	-2,61
1449325_at	Fads2	fatty acid desaturase 2	133,82	50,95	-2,63
1427820_at	---	---	805,34	305,88	-2,63
1417404_at	Elovl6	ELOVL family member 6, elongation of long chain fatty acids (yeast)	1297,78	491,79	-2,64
1418780_at	Cyp39a1	cytochrome P450, family 39, subfamily a, polypeptide 1	200,91	74,37	-2,7
1425476_at	Col4a5	collagen, type IV, alpha 5	308,41	113,64	-2,71
1456640_at	Sh3rf2	SH3 domain containing ring finger 2	104,89	38,39	-2,73
1419031_at	Fads2	fatty acid desaturase 2	265,04	96,59	-2,74
1421571_a_at	Ly6c1 /// Ly6c2	lymphocyte antigen 6 complex, locus C1 /// lymphocyte antigen 6 complex, locus C	195,89	71,35	-2,75
1436943_at	Cyb5d2	cytochrome b5 domain containing 2	104,33	37,88	-2,75
1448123_s_at	Tgfb1	transforming growth factor, beta induced	1457,52	526,7	-2,77
1425177_at	Shmt1	serine hydroxymethyltransferase 1 (soluble)	521,79	187,71	-2,78
1453571_at	Depdc6	DEP domain containing 6	393,7	139,59	-2,82
1434666_at	Pcgf5	polycomb group ring finger 5	275,27	95,13	-2,89
1418030_at	Slco3a1	solute carrier organic anion transporter family, member 3a1	286,12	98,32	-2,91
1453041_at	Ano9	anoctamin 9	124,85	42,4	-2,94
1422537_a_at	Id2	inhibitor of DNA binding 2	536,98	178,15	-3,01
1424901_at	Gcnt3	glucosaminyl (N-acetyl) transferase 3, mucin type	120,78	40,06	-3,02
1419089_at	Timp3	tissue inhibitor of metalloproteinase 3	152,39	50,38	-3,02
1437258_at	Sprr2a1 /// Sprr2a2	small proline-rich protein 2A1 /// small proline-rich protein 2A2	504,04	165,86	-3,04
1420503_at	Slc6a14	solute carrier family 6 (neurotransmitter transporter), member 14	119,7	39,19	-3,05

1418133_at	Bcl3	B-cell leukemia/lymphoma 3	276,22	90,39	-3,06
1415871_at	Tgfb1	transforming growth factor, beta induced	413,17	134,86	-3,06
1418294_at	Epb4.114b	erythrocyte protein band 4.1-like 4b	504,25	164,29	-3,07
1429564_at	Pcgf5	polycomb group ring finger 5	2086,25	676,8	-3,08
1431214_at	Gm3579	predicted gene 3579	5242,09	1695,04	-3,09
1455056_at	Lmo7	LIM domain only 7	620,4	197,23	-3,15
1431213_a_at	Gm3579	predicted gene 3579	8058,01	2557,14	-3,15
1426914_at	Marveld2	MARVEL (membrane-associating) domain containing 2	681,33	215,32	-3,16
1419247_at	Rgs2	regulator of G-protein signaling 2	545,78	170,39	-3,2
1419717_at	Sema3e	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphor	228,48	71,07	-3,21
1416968_a_at	Hsd3b7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	113,05	35,2	-3,21
1419248_at	Rgs2	regulator of G-protein signaling 2	710,48	221,05	-3,21
1449335_at	Timp3	tissue inhibitor of metalloproteinase 3	251,09	76,56	-3,28
1447830_s_at	Rgs2	regulator of G-protein signaling 2	278,06	83,2	-3,34
1450098_at	Dhdpsl	dihydrodipicolinate synthase-like, mitochondrial	157,79	47,09	-3,35
1434776_at	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembran	352,64	103,33	-3,41
1420504_at	Slc6a14	solute carrier family 6 (neurotransmitter transporter), member 14	150,27	43,51	-3,45
1427072_at	Stard8	START domain containing 8	252,56	73,3	-3,45
1418752_at	Aldh3a1	aldehyde dehydrogenase family 3, subfamily A1	201,95	58,14	-3,47
1417346_at	Pycard	PYD and CARD domain containing	335,49	93,01	-3,61
1449071_at	Myl7	myosin, light polypeptide 7, regulatory	277,42	75,66	-3,67
1460629_at	Trim16	tripartite motif-containing 16	366,98	100,08	-3,67
1448873_at	Ocln	occludin	877,12	237,78	-3,69
1429863_at	Lonrf3	LON peptidase N-terminal domain and ring finger 3	125,09	32,13	-3,89
1455435_s_at	Chdh	choline dehydrogenase	235,97	60,4	-3,91
1433795_at	Tgfb3	transforming growth factor, beta receptor III	986,62	251,08	-3,93
1456796_at	Snai3	snail homolog 3 (Drosophila)	148,51	37,25	-3,99
1420401_a_at	Ramp3	receptor (calcitonin) activity modifying protein 3	352,84	86,47	-4,08
1423062_at	Igfbp3	insulin-like growth factor binding protein 3	6969,3	1706,58	-4,08
1458268_s_at	Igfbp3	insulin-like growth factor binding protein 3	1931,24	454,75	-4,25
1455144_s_at	AU040829	expressed sequence AU040829	246,56	53,57	-4,6
1417597_at	Cd28	CD28 antigen	124,73	23,03	-5,42
1416318_at	Serpinb1a	serine (or cysteine) peptidase inhibitor, clade B, member 1a	214,53	39,35	-5,45
1417355_at	Peg3	paternally expressed 3	154,26	28,03	-5,5
1427683_at	Egr2	early growth response 2	102,37	17,97	-5,7
1417356_at	Peg3	paternally expressed 3	119,74	17,3	-6,92
1451924_a_at	Edn1	endothelin 1	342,23	46,93	-7,29
1433924_at	Peg3	paternally expressed 3	470,13	46,69	-10,07
1437052_s_at	Slc2a3	solute carrier family 2 (facilitated glucose transporter), member 3	106,35	7,37	-14,44