

Supplementary file 1

Table S1 Fold change (FC) and *P*-value of all differentially expressed transcripts (FC > 1.3 or < -1.3, *P* < 0.05) between groups OC vs. LC

Gene Symbol	Gene Description	FC	<i>P</i> -value
<i>LOC681458</i>	similar to stearyl-coenzyme A desaturase 3	44.50	0.0007
<i>Prlr</i>	prolactin receptor	25.72	0.0003
<i>G6pd</i>	glucose-6-phosphate dehydrogenase	21.80	0.0000
<i>Pnpla3</i>	patatin-like phospholipase domain containing 3	11.36	0.0011
<i>Scd2</i>	stearyl-Coenzyme A desaturase 2	10.50	0.0053
<i>Cyp17a1</i>	cytochrome P450, family 17, subfamily a, polypeptide 1	10.16	0.0000
<i>LOC102549542</i>	elongation of very long chain fatty acids protein 6-like	10.14	0.0026
<i>Wfdc21</i>	WAP four-disulfide core domain 21	9.58	0.0000
<i>Elovl6</i>	ELOVL fatty acid elongase 6 [Source:RGD Symbol;Acc:620585]	9.52	0.0036
<i>Elovl6</i>	ELOVL fatty acid elongase 6	9.49	0.0032
<i>Gpam</i>	glycerol-3-phosphate acyltransferase, mitochondrial	8.64	0.0000
<i>Cd36</i>	CD36 molecule (thrombospondin receptor)	8.42	0.0000
<i>Rtn4</i>	reticulon 4	7.96	0.0000
<i>Ces2e</i>	carboxylesterase 2E	7.54	0.0003
<i>Edil3</i>	EGF-like repeats and discoidin I-like domains 3	7.54	0.0000
<i>Sult4a1</i>	sulfotransferase family 4A, member 1	7.26	0.0003
<i>Fabp4</i>	fatty acid binding protein 4, adipocyte	6.96	0.0001
<i>Me1</i>	malic enzyme 1, NADP(+)-dependent, cytosolic	6.61	0.0006
<i>Ubd</i>	ubiquitin D	6.54	0.0005
<i>Sult2a6</i>	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 6	6.03	0.0000
<i>Cyp2c24</i>	cytochrome P450, family 2, subfamily c, polypeptide 24	5.94	0.0102
<i>Tor3a</i>	torsin family 3, member A	5.51	0.0006
<i>Anxa5</i>	annexin A5	5.41	0.0000
<i>Enpp5</i>	ectonucleotide pyrophosphatase/phosphodiesterase 5	5.13	0.0002
<i>Apitd1</i>	apoptosis-inducing, TAF9-like domain 1 (Apitd1), mRNA	4.93	0.0001
<i>Fabp5</i>	fatty acid binding protein 5, epidermal	4.72	0.0001
<i>Trim24</i>	transcription intermediary factor 1-alpha [Source:RefSeq peptide;Acc:NP_001037731]	4.72	0.0004
<i>Efcab6</i>	EF-hand calcium binding domain 6	4.58	0.0005
<i>Aldh1a7</i>	aldehyde dehydrogenase family 1, subfamily A7	4.53	0.0011
<i>Cidea</i>	cell death-inducing DFFA-like effector a	4.44	0.0010
<i>Scpep1</i>	serine carboxypeptidase 1	4.40	0.0000
<i>Angptl8</i>	angiopoietin-like 8	4.38	0.0034
<i>Aldh1a1</i>	aldehyde dehydrogenase 1 family, member A1	4.35	0.0028
<i>Ccdc141</i>	coiled-coil domain containing 141	4.19	0.0003
<i>LOC100912485</i>	alcohol sulfotransferase-like	4.13	0.0020
<i>Fabp2</i>	fatty acid binding protein 2, intestinal	3.92	0.0000
<i>Sdr16c6</i>	short chain dehydrogenase/reductase family 16C, member 6	3.81	0.0362
<i>Otub2</i>	OTU deubiquitinase, ubiquitin aldehyde binding 2	3.78	0.0002
<i>Sult2a2</i>	sulfotransferase family 2A, dehydroepiandrosterone (DHEA)-preferring, member 2	3.77	0.0014
<i>Fasn</i>	fatty acid synthase	3.64	0.0051
<i>LOC100361492</i>	cytochrome P450, family 2, subfamily c, polypeptide 55-like	3.60	0.0372
<i>Mfsd2a</i>	major facilitator superfamily domain containing 2A	3.48	0.0084
<i>Gsta3</i>	glutathione S-transferase alpha 3	3.47	0.0088
<i>P2rx5</i>	purinergic receptor P2X, ligand-gated ion channel, 5	3.29	0.0000
<i>Reep6</i>	receptor accessory protein 6	3.28	0.0004
<i>Apitd1</i>	apoptosis-inducing, TAF9-like domain 1	3.27	0.0016
<i>Dgat2</i>	diacylglycerol O-acyltransferase 2	3.26	0.0043

<i>Inf2</i>	inverted formin, FH2 and WH2 domain containing [Source:MGI Symbol;Acc:MGI:1917685]	3.19	0.0004
<i>Hspa4l</i>	heat shock protein 4-like	3.14	0.0034
<i>Raly1</i>	RALY RNA binding protein-like	3.03	0.0012
---	Protein LOC367485	3.01	0.0308
<i>Plin3</i>	perilipin 3	2.99	0.0000
<i>Asns</i>	asparagine synthetase (glutamine-hydrolyzing)	2.94	0.0108
<i>Esm1</i>	endothelial cell-specific molecule 1	2.94	0.0044
<i>Srd5a1</i>	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	2.92	0.0042
---	Protein LOC689635	2.90	0.0368
---	Uncharacterized protein	2.90	0.0049
<i>LOC100911413</i>	deleted in malignant brain tumors 1 protein-like	2.88	0.0000
<i>Hbb-b1</i>	hemoglobin, beta adult major chain	2.84	0.0034
<i>Il17rb</i>	interleukin 17 receptor B	2.82	0.0153
<i>Lgals3</i>	lectin, galactoside-binding, soluble, 3	2.80	0.0000
<i>Myadm</i>	myeloid-associated differentiation marker	2.80	0.0047
<i>Hbb</i>	hemoglobin, beta	2.79	0.0036
<i>Filip1l</i>	filamin A interacting protein 1-like	2.79	0.0026
<i>Kcnn2</i>	potassium channel, calcium activated intermediate/small conductance subfamily N alpha, member 2	2.77	0.0024
<i>Dcakd</i>	dephospho-CoA kinase domain containing	2.74	0.0000
<i>Ces2a</i>	carboxylesterase 2A [Source:RGD Symbol;Acc:708353]	2.74	0.0021
<i>Rgs5</i>	regulator of G-protein signaling 5	2.74	0.0001
<i>LOC100909409</i>	disks large homolog 5-like [Source:RGD Symbol;Acc:6504293]	2.73	0.0168
<i>Aqp11</i>	aquaporin 11	2.72	0.0003
<i>Psat1</i>	phosphoserine aminotransferase 1	2.72	0.0003
<i>Hebp2</i>	heme binding protein 2	2.72	0.0010
<i>LOC100365047</i>	scavenger receptor class B member 2-like	2.71	0.0032
<i>Sri</i>	sorcin	2.69	0.0002
<i>Adh4</i>	alcohol dehydrogenase 4 (class II), pi polypeptide	2.68	0.0017
<i>LOC100912165</i>	rho guanine nucleotide exchange factor 9-like	2.65	0.0000
<i>Casp4</i>	caspase 4, apoptosis-related cysteine peptidase	2.64	0.0028
<i>Acss2</i>	acyl-CoA synthetase short-chain family member 2	2.62	0.0095
<i>Anxa2</i>	annexin A2	2.61	0.0011
<i>RGD1565143</i>	similar to serine/threonine kinase	2.61	0.0032
<i>Ttc24</i>	tetratricopeptide repeat domain 24 [Source:RGD Symbol;Acc:2319887]	2.59	0.0055
<i>Nr0b2</i>	nuclear receptor subfamily 0, group B, member 2	2.59	0.0021
<i>Sall1</i>	spalt-like transcription factor 1	2.59	0.0200
<i>Acsl5</i>	acyl-CoA synthetase long-chain family member 5	2.57	0.0001
<i>Mmp12</i>	matrix metalloproteinase 12	2.56	0.0316
<i>Car2</i>	carbonic anhydrase 2	2.55	0.0001
<i>RGD1306739</i>	similar to RIKEN cDNA 1700040L02	2.54	0.0017
<i>Agpat3</i>	1-acylglycerol-3-phosphate O-acyltransferase 3	2.54	0.0000
<i>Abhd1</i>	abhydrolase domain containing 1	2.50	0.0007
<i>Abcc9</i>	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	2.49	0.0005
<i>Ethe1</i>	ethylmalonic encephalopathy 1	2.48	0.0092
<i>Hba-a1</i>	hemoglobin alpha, adult chain 1	2.47	0.0078
<i>Kank2</i>	KN motif and ankyrin repeat domains 2	2.47	0.0003
<i>Ankrd39</i>	ankyrin repeat domain 39	2.46	0.0000
<i>Agtpbp1</i>	ATP/GTP binding protein 1	2.45	0.0014
<i>Ehhadh</i>	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	2.43	0.0024
<i>Abca2</i>	ATP-binding cassette, subfamily A (ABC1), member 2	2.40	0.0016
<i>Smim1</i>	small integral membrane protein 1	2.39	0.0001
<i>Nudt7</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 7	2.39	0.0000
<i>LOC685203</i>	hypothetical protein LOC685203	2.39	0.0012
<i>Mknk2</i>	MAP kinase-interacting serine/threonine kinase 2	2.38	0.0004
<i>LOC689065</i>	hypothetical protein LOC689065	2.38	0.0163

<i>Degs1</i>	delta(4)-desaturase, sphingolipid 1	2.38	0.0000
<i>Fdps</i>	farnesyl diphosphate synthase	2.37	0.0350
<i>Parvb</i>	parvin, beta	2.36	0.0062
<i>Srebf1</i>	sterol regulatory element binding transcription factor 1	2.36	0.0003
<i>Hbb-b1</i>	hemoglobin, beta adult major chain [Source:RGD Symbol;Acc:1595848]	2.36	0.0176
<i>Dlat</i>	dihydrolipoamide S-acetyltransferase	2.36	0.0114
<i>Adamdec1</i>	ADAM-like, decysin 1	2.34	0.0299
<i>LOC100911315</i>	DNA-binding protein RFX6-like	2.33	0.0001
<i>Ebpl</i>	emopamil binding protein-like	2.31	0.0003
<i>Pdlim1</i>	PDZ and LIM domain 1	2.31	0.0000
<i>Pnpla5</i>	patatin-like phospholipase domain containing 5	2.31	0.0042
<i>Orm1</i>	orosomucoid 1	2.31	0.0024
<i>Pctp</i>	phosphatidylcholine transfer protein	2.31	0.0008
<i>Crot</i>	carnitine O-octanoyltransferase	2.29	0.0318
<i>Cd209b</i>	CD209b antigen	2.29	0.0000
<i>Tagln</i>	transgelin	2.28	0.0050
<i>Atp8a1</i>	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	2.28	0.0003
<i>Gypa</i>	glycophorin A	2.28	0.0009
<i>Pex11a</i>	peroxisomal biogenesis factor 11 alpha	2.27	0.0003
<i>Topbp1</i>	topoisomerase (DNA) II binding protein 1	2.27	0.0000
<i>Rfx6</i>	regulatory factor X, 6	2.27	0.0000
<i>Bmp7</i>	bone morphogenetic protein 7	2.27	0.0452
<i>Chst9</i>	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	2.26	0.0002
<i>Acer2</i>	alkaline ceramidase 2	2.25	0.0000
<i>Mfhas1</i>	malignant fibrous histiocyoma amplified sequence 1	2.24	0.0021
<i>Ptk2b</i>	protein tyrosine kinase 2 beta	2.24	0.0033
<i>Itpk1</i>	inositol-tetrakisphosphate 1-kinase	2.24	0.0011
<i>Fut8</i>	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	2.24	0.0007
<i>Tm7sf2</i>	transmembrane 7 superfamily member 2	2.22	0.0200
<i>Steap3</i>	STEAP family member 3, metalloredutase	2.20	0.0048
<i>Plin2</i>	perilipin 2	2.20	0.0140
<i>Gda</i>	guanine deaminase	2.20	0.0109
<i>Clybl</i>	citrate lyase beta like	2.19	0.0000
<i>Lss</i>	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	2.18	0.0037
<i>Aco1</i>	aconitase 1, soluble	2.18	0.0003
<i>Dmrt1</i>	DMRT-like family A1	2.17	0.0001
<i>Src</i>	SRC proto-oncogene, non-receptor tyrosine kinase	2.17	0.0008
<i>Cyp2c22</i>	cytochrome P450, family 2, subfamily c, polypeptide 22	2.15	0.0064
<i>Kbtbd12</i>	Protein LOC502859	2.15	0.0442
<i>Igfn1</i>	immunoglobulin-like and fibronectin type III domain containing 1	2.15	0.0079
<i>Copz2</i>	coatomer protein complex, subunit zeta 2	2.14	0.0000
<i>Cgref1</i>	cell growth regulator with EF hand domain 1	2.14	0.0002
<i>Ephx2</i>	epoxide hydrolase 2, cytoplasmic	2.14	0.0015
<i>Med12l</i>	mediator complex subunit 12-like	2.14	0.0000
<i>RGD1559459</i>	similar to Expressed sequence AI788959	2.13	0.0160
<i>Nrp2</i>	neuropilin 2	2.13	0.0001
<i>Apoa1</i>	apolipoprotein A-I	2.12	0.0005
<i>Gjb2</i>	gap junction protein, beta 2	2.11	0.0359
<i>Slc19a3</i>	solute carrier family 19 (thiamine transporter), member 3	2.10	0.0169
<i>Adora1</i>	adenosine A1 receptor	2.10	0.0299
<i>LOC100365112</i>	carboxylesterase-like	2.09	0.0069
<i>Ear11</i>	eosinophil-associated, ribonuclease A family, member 11	2.09	0.0222
<i>Acaca</i>	acetyl-CoA carboxylase alpha	2.08	0.0264
<i>Fads2</i>	fatty acid desaturase 2	2.07	0.0000
<i>Spsb4</i>	splA/ryanodine receptor domain and SOCS box containing 4	2.07	0.0080
<i>Plbd1</i>	phospholipase B domain containing 1	2.07	0.0068
<i>Vnn1</i>	vanin 1	2.06	0.0176
<i>Cabp2</i>	calcium binding protein 2	2.06	0.0008

<i>Car7</i>	carbonic anhydrase 7	2.05	0.0033
<i>LOC100134871</i>	beta globin minor gene	2.05	0.0144
<i>Dhcr7</i>	7-dehydrocholesterol reductase	2.05	0.0447
<i>Hadhb</i>	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	2.04	0.0000
<i>Lss</i>	ENCODES a protein that exhibits lanosterol synthase activity AND INVOLVED IN cholesterol biosynthetic process	2.04	0.0227
<i>Cxcl14</i>	chemokine (C-X-C motif) ligand 14	2.04	0.0114
<i>Slc39a4</i>	solute carrier family 39 (zinc transporter), member 4	2.04	0.0034
<i>Zc3h12d</i>	zinc finger CCCH type containing 12D	2.03	0.0015
<i>Desi1</i>	desumoylating isopeptidase 1	2.03	0.0001
---	beta-globin (LOC689064), mRNA	2.03	0.0068
<i>Lamb3</i>	laminin, beta 3	2.02	0.0014
<i>Nceh1</i>	neutral cholesterol ester hydrolase 1	2.02	0.0026
<i>Acsm2a</i>	acyl-CoA synthetase medium-chain family member 2A	2.00	0.0320
<i>Srpx</i>	sushi-repeat-containing protein, X-linked	2.00	0.0000
<i>Ppp1r3b</i>	protein phosphatase 1, regulatory subunit 3B	2.00	0.0036
<i>Alas2</i>	5-aminolevulinate synthase 2	2.00	0.0009
<i>Arhgef9</i>	Cdc42 guanine nucleotide exchange factor (GEF) 9	1.99	0.0068
<i>Ptprs</i>	protein tyrosine phosphatase, receptor type, S	1.99	0.0025
<i>Limk2</i>	LIM domain kinase 2	1.99	0.0060
<i>Irs3</i>	insulin receptor substrate 3	1.98	0.0153
<i>St3gal3</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	1.98	0.0012
<i>Dbi</i>	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)	1.98	0.0047
<i>Rarb</i>	retinoic acid receptor, beta	1.97	0.0064
<i>Comm6</i>	COMM domain containing 6	1.97	0.0280
<i>Mest</i>	mesoderm specific transcript	1.97	0.0001
<i>Aldh1l2</i>	aldehyde dehydrogenase 1 family, member L2	1.97	0.0001
<i>LOC691083</i>	hypothetical protein LOC691083	1.97	0.0067
<i>Aig1</i>	androgen-induced 1	1.96	0.0030
<i>Ugt2b1</i>	UDP glucuronosyltransferase 2 family, polypeptide B1	1.96	0.0105
<i>Trim24</i>	tripartite motif-containing 24	1.96	0.0259
<i>LOC102550654</i>	disintegrin and metalloproteinase domain-containing protein 28-like	1.95	0.0320
<i>Dcn</i>	decorin	1.94	0.0179
<i>Fbln5</i>	fibulin 5	1.93	0.0015
<i>Ncald</i>	neurocalcin delta	1.93	0.0012
<i>Acly</i>	ATP citrate lyase	1.92	0.0042
<i>Rab30</i>	RAB30, member RAS oncogene family	1.92	0.0472
<i>Nupr1</i>	nuclear protein, transcriptional regulator, 1	1.91	0.0004
<i>LOC681469</i>	similar to stearyl-Coenzyme A desaturase 2	1.90	0.0006
<i>Ces4a</i>	carboxylesterase 4A	1.90	0.0137
<i>Jam2</i>	junctional adhesion molecule 2	1.90	0.0004
<i>Sult1b1</i>	sulfotransferase family, cytosolic, 1B, member 1	1.89	0.0008
<i>Angpt1</i>	angiopoietin 1	1.89	0.0001
<i>RGD1564958</i>	PARTICIPATES IN Alzheimer disease pathway AND gluconeogenesis pathway	1.89	0.0012
<i>Lhx2</i>	LIM homeobox 2	1.88	0.0129
<i>Laptm4b</i>	lysosomal protein transmembrane 4 beta	1.88	0.0012
<i>Pfkfb1</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	1.88	0.0403
<i>Cd93</i>	CD93 molecule	1.88	0.0006
<i>Adssl1</i>	Adenylosuccinate synthetase isozyme 1	1.87	0.0073
<i>Slc4a1</i>	solute carrier family 4 (anion exchanger), member 1	1.87	0.0043
<i>Acat2</i>	acetyl-CoA acetyltransferase 2	1.87	0.0026
<i>Adgrg6</i>	adhesion G protein-coupled receptor G6	1.87	0.0075
<i>NUPR1</i>	nuclear protein, transcriptional regulator, 1 (Nupr1), mRNA	1.87	0.0038
<i>Tmem135</i>	transmembrane protein 135	1.86	0.0017
<i>Rassf9</i>	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9	1.86	0.0001

<i>Sparc</i>	secreted protein, acidic, cysteine-rich (osteonectin)	1.86	0.0002
<i>Pak1</i>	p21 protein (Cdc42/Rac)-activated kinase 1	1.86	0.0001
<i>LOC102550773</i>	rho GTPase-activating protein 20-like	1.85	0.0002
<i>Aldh1b1</i>	aldehyde dehydrogenase 1 family, member B1	1.85	0.0037
<i>Pagr8</i>	progesterone and adiponectin receptor family member VIII	1.84	0.0028
<i>Apmap</i>	adipocyte plasma membrane associated protein	1.84	0.0089
<i>Acot2</i>	acyl-CoA thioesterase 2	1.84	0.0281
<i>LOC686437</i>	similar to Protein C14orf105	1.84	0.0043
<i>Nt5c2</i>	5-nucleotidase, cytosolic II	1.84	0.0004
<i>Sdc1</i>	syndecan 1	1.84	0.0133
<i>Pcdhga4</i>	protocadherin gamma subfamily A, 4	1.84	0.0055
<i>Cemip</i>	cell migration inducing protein, hyaluronan binding	1.84	0.0034
<i>Zdhhc2</i>	zinc finger, DHHC-type containing 2	1.84	0.0061
<i>Arhgap28</i>	Rho GTPase activating protein 28	1.83	0.0279
<i>Sesn3</i>	sestrin 3	1.83	0.0003
<i>Tk1</i>	thymidine kinase 1, soluble	1.83	0.0081
<i>Hpse</i>	heparanase	1.83	0.0057
<i>Perp</i>	PERP, TP53 apoptosis effector	1.83	0.0005
<i>Tspo</i>	translocator protein	1.82	0.0007
<i>Tfrc</i>	transferrin receptor	1.81	0.0105
<i>Hfe2</i>	hemochromatosis type 2 (juvenile)	1.81	0.0442
<i>Lrrfip1</i>	leucine rich repeat (in FLII) interacting protein 1	1.81	0.0252
<i>Mybl1</i>	myeloblastosis oncogene-like 1	1.81	0.0387
<i>Pex3</i>	peroxisomal biogenesis factor 3	1.81	0.0022
<i>Ugt2b10</i>	UDP glucuronosyltransferase 2 family, polypeptide B10	1.81	0.0067
<i>Tmem97</i>	transmembrane protein 97	1.81	0.0020
<i>Adh1</i>	alcohol dehydrogenase 1 (class I)	1.81	0.0076
<i>Adh7</i>	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	1.81	0.0299
<i>Dhdds</i>	dehydrodolichyl diphosphate synthase subunit	1.80	0.0000
<i>Klrg1</i>	killer cell lectin-like receptor subfamily G, member 1	1.80	0.0073
<i>Mki67</i>	marker of proliferation Ki-67	1.80	0.0140
<i>Bpgm</i>	2,3-bisphosphoglycerate mutase	1.80	0.0013
<i>Rnpepl1</i>	arginyl aminopeptidase (aminopeptidase B)-like 1	1.80	0.0023
<i>Tmem120a</i>	transmembrane protein 120A	1.80	0.0071
<i>Rpa1</i>	replication protein A1	1.80	0.0010
<i>Tspyl4</i>	TSPY-like 4	1.80	0.0182
<i>Olr43</i>	olfactory receptor 43	1.80	0.0061
<i>Tmem64</i>	transmembrane protein 64	1.80	0.0029
<i>Ccdc85c</i>	coiled-coil domain containing 85C	1.80	0.0032
<i>Acta2</i>	actin, alpha 2, smooth muscle, aorta	1.80	0.0009
<i>RGD1566091</i>	INTERACTS WITH dibutyl phthalate	1.80	0.0003
<i>Urad</i>	ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5-) decarboxylase [Source:RGD Symbol;Acc:1595191]	1.79	0.0025
<i>LOC102553986</i>	retinoic acid receptor RXR-gamma-like	1.79	0.0084
<i>Abcd3</i>	ATP-binding cassette, subfamily D (ALD), member 3	1.78	0.0007
<i>Cyb5b</i>	cytochrome b5 type B (outer mitochondrial membrane)	1.78	0.0275
<i>Amd1</i>	adenosylmethionine decarboxylase 1	1.78	0.0432
<i>Acot9</i>	acyl-CoA thioesterase 9	1.78	0.0139
<i>Tmem252</i>	transmembrane protein 252	1.78	0.0206
<i>Olr1029</i>	olfactory receptor 1029	1.78	0.0050
<i>Apoa4</i>	apolipoprotein A-IV	1.78	0.0001
<i>Glt1d1</i>	glycosyltransferase 1 domain containing 1	1.78	0.0009
<i>Akr1b7</i>	aldo-keto reductase family 1, member B7	1.77	0.0349
<i>Mapk9</i>	mitogen-activated protein kinase 9	1.77	0.0010
<i>Ccdc79</i>	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F1M8N4]	1.77	0.0032
<i>Ucp2</i>	uncoupling protein 2 (mitochondrial, proton carrier)	1.77	0.0028
<i>Gls</i>	glutaminase	1.77	0.0058
<i>Unc5b</i>	unc-5 netrin receptor B	1.77	0.0461

<i>Tfpi</i>	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	1.77	0.0007
<i>RGD1560242</i>	similar to RIKEN cDNA 1700028P14	1.76	0.0059
<i>Edem1</i>	Protein Edem1	1.76	0.0053
<i>Pdk1</i>	pyruvate dehydrogenase kinase, isozyme 1	1.76	0.0020
<i>Anp32a</i>	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	1.76	0.0003
<i>Abhd6</i>	abhydrolase domain containing 6	1.75	0.0453
<i>Pla2g2a</i>	phospholipase A2, group IIA (platelets, synovial fluid)	1.75	0.0096
<i>Spink3</i>	serine peptidase inhibitor, Kazal type 3	1.75	0.0273
<i>Eif2ak4</i>	eukaryotic translation initiation factor 2 alpha kinase 4	1.75	0.0014
<i>Gtse1</i>	G-2 and S-phase expressed 1	1.75	0.0032
<i>LOC689064</i>	beta-globin	1.75	0.0098
<i>Psmb9</i>	proteasome subunit beta 9	1.74	0.0122
<i>Secisbp2l</i>	SECIS binding protein 2-like	1.74	0.0088
<i>Syt12</i>	synaptotagmin-like 2 [Source:RGD Symbol;Acc:1307647]	1.74	0.0170
<i>LOC102552996</i>	uncharacterized LOC102552996	1.74	0.0213
<i>Spc24</i>	SPC24, NDC80 kinetochore complex component	1.74	0.0008
<i>Cyb5r3</i>	cytochrome b5 reductase 3	1.74	0.0149
<i>Pcdhb21</i>	protocadherin beta 21	1.74	0.0379
<i>RGD1311756</i>	similar to hypothetical protein FLJ20950	1.74	0.0046
<i>Mdh1</i>	malate dehydrogenase 1, NAD (soluble)	1.73	0.0033
<i>Smoc1</i>	SPARC related modular calcium binding 1	1.73	0.0014
<i>Cd99l2</i>	CD99 molecule-like 2	1.73	0.0015
<i>Npc2</i>	Niemann-Pick disease, type C2	1.73	0.0001
<i>Acot1</i>	acyl-CoA thioesterase 1	1.73	0.0088
<i>Aifm2</i>	apoptosis-inducing factor, mitochondrion-associated 2	1.72	0.0078
<i>Inhbe</i>	inhibin beta E	1.72	0.0103
<i>Itga9</i>	integrin, alpha 9 [Source:RGD Symbol;Acc:1311191]	1.72	0.0159
<i>Slc9a9</i>	solute carrier family 9, subfamily A (NHE9, cation proton antiporter 9), member 9	1.72	0.0072
<i>RGD1562758</i>	similar to glyceraldehyde-3-phosphate dehydrogenase [Source:RGD Symbol;Acc:1562758]	1.72	0.0008
<i>Thrsp</i>	thyroid hormone responsive	1.72	0.0098
<i>Ablim1</i>	actin-binding LIM protein 1 [Source:MGI Symbol;Acc:MGI:1194500]	1.72	0.0227
<i>Plk1</i>	polo-like kinase 1	1.72	0.0085
<i>LOC100362607</i>	nidogen 2	1.72	0.0000
<i>LOC500300</i>	similar to hypothetical protein MGC6835	1.72	0.0336
<i>LOC498300</i>	similar to degenerative spermatocyte homolog	1.72	0.0038
<i>Vsig10</i>	V-set and immunoglobulin domain containing 10	1.72	0.0038
<i>Agfg2</i>	ArfGAP with FG repeats 2	1.71	0.0033
<i>Gosr2</i>	golgi SNAP receptor complex member 2	1.71	0.0001
<i>LOC102552497</i>	protocadherin gamma-B6-like	1.71	0.0153
<i>Rdh11</i>	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	1.71	0.0218
<i>RGD1359508</i>	similar to protein C33A12.3	1.70	0.0031
<i>Krt79</i>	Protein LOC683720	1.70	0.0114
<i>Bche</i>	butyrylcholinesterase	1.70	0.0061
<i>LOC680538</i>	similar to Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)similar to glyceraldehyde-3-phosphate dehydrogenase (phosphorylating) (EC 1.2.1.12)	1.70	0.0004
<i>Slc6a13</i>	solute carrier family 6 (neurotransmitter transporter), member 13	1.70	0.0162
---	Uncharacterized protein	1.70	0.0001
<i>Clcn6</i>	chloride channel, voltage-sensitive 6	1.69	0.0038
<i>RGD1564854</i>	similar to divalent cation tolerant protein CUTA	1.69	0.0047
<i>Wdr76</i>	WD repeat domain 76	1.69	0.0018
<i>Aig1</i>	androgen-induced 1 (Aig1), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	1.69	0.0149
<i>Galc</i>	galactosylceramidase	1.69	0.0052
<i>Ube3d</i>	ubiquitin protein ligase E3D	1.69	0.0148
<i>Cyp2c7</i>	cytochrome P450, family 2, subfamily c, polypeptide 7	1.69	0.0000
<i>St6gal1</i>	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	1.69	0.0364

<i>Tlcd2</i>	TLC domain containing 2	1.68	0.0128
<i>Tpm1</i>	tropomyosin 1, alpha	1.68	0.0043
<i>Gale</i>	UDP-galactose-4-epimerase	1.68	0.0148
<i>LOC691807</i>	hypothetical protein LOC691807	1.68	0.0041
<i>Ppp2r2d</i>	protein phosphatase 2, regulatory subunit B, delta	1.68	0.0011
<i>Pcdhga5</i>	protocadherin gamma subfamily A, 5 (Pcdhga5), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	1.68	0.0134
<i>Pgk1</i>	phosphoglycerate kinase 1	1.68	0.0175
<i>Ptgis</i>	prostaglandin I2 (prostacyclin) synthase	1.68	0.0149
<i>Pigu</i>	phosphatidylinositol glycan anchor biosynthesis, class U	1.68	0.0087
<i>LOC691988</i>	similar to a disintegrin and metalloproteinase domain 28	1.68	0.0073
<i>LOC102554096</i>	guanylate-binding protein 6-like	1.68	0.0470
<i>Cux2</i>	cut-like homeobox 2	1.67	0.0084
<i>Ceacam20</i>	carcinoembryonic antigen-related cell adhesion molecule 20	1.67	0.0197
<i>Col4a1</i>	collagen, type IV, alpha 1	1.67	0.0004
<i>Fbxo3</i>	F-box protein 3	1.67	0.0017
<i>Acadl</i>	acyl-CoA dehydrogenase, long chain	1.67	0.0000
<i>Tmsb10</i>	thymosin, beta 10	1.67	0.0209
<i>LOC100911848</i>	uncharacterized LOC100911848	1.67	0.0004
<i>Serpinh9</i>	serpin peptidase inhibitor, clade B (ovalbumin), member 9	1.66	0.0000
<i>Fgfl</i>	fibroblast growth factor 1 (acidic)	1.66	0.0018
<i>Adm</i>	adrenomedullin	1.66	0.0002
<i>Rangap1</i>	RAN GTPase activating protein 1	1.66	0.0016
<i>Prss8</i>	protease, serine, 8	1.66	0.0442
<i>Rbm46</i>	RNA binding motif protein 46	1.66	0.0055
<i>Scn8a</i>	sodium channel, voltage gated, type VIII, alpha subunit	1.66	0.0023
<i>Nsdhl</i>	NAD(P) dependent steroid dehydrogenase-like	1.66	0.0199
<i>Osbp11</i>	oxysterol binding protein-like 11	1.66	0.0285
<i>LOC691565</i>	hypothetical protein LOC691565	1.65	0.0445
<i>Col3a1</i>	collagen, type III, alpha 1	1.65	0.0009
<i>Tdh</i>	L-threonine dehydrogenase	1.65	0.0016
<i>Ces2c</i>	carboxylesterase 2C (Ces2c), mRNA	1.65	0.0456
<i>Tmem55a</i>	transmembrane protein 55A	1.65	0.0013
<i>Tmsb10</i>	thymosin, beta 10 [Source:RGD Symbol;Acc:62022]	1.65	0.0225
<i>Allc</i>	allantoicase	1.65	0.0044
<i>Slc8a3</i>	solute carrier family 8 (sodium/calcium exchanger), member 3	1.65	0.0007
<i>Ccng1</i>	cyclin G1	1.65	0.0069
<i>Hemgn</i>	hemogen	1.64	0.0227
<i>Tm6sf2</i>	transmembrane 6 superfamily member 2	1.64	0.0172
<i>LOC102553649</i>	disks large homolog 5-like	1.64	0.0241
<i>Inpp1</i>	inositol polyphosphate-1-phosphatase	1.64	0.0023
<i>Clec4a2</i>	C-type lectin domain family 4, member A2	1.64	0.0005
<i>RGD1311739</i>	similar to RIKEN cDNA 1700037H04	1.64	0.0142
<i>Sacs</i>	sacsin molecular chaperone	1.64	0.0023
<i>Calm2</i>	calmodulin 2 [Source:RGD Symbol;Acc:2258]	1.64	0.0009
<i>Ugt2a3</i>	UDP glucuronosyltransferase 2 family, polypeptide A3	1.64	0.0196
<i>Apln</i>	apelin	1.64	0.0297
<i>Pcdh20</i>	protocadherin beta 20	1.64	0.0007
<i>RGD1564865</i>	similar to 20-alpha-hydroxysteroid dehydrogenase	1.63	0.0316
<i>Ech1</i>	enoyl CoA hydratase 1, peroxisomal	1.63	0.0440
<i>Suox</i>	sulfite oxidase	1.63	0.0046
<i>Olr901</i>	ENCODS a protein that exhibits olfactory receptor activity (inferred)	1.63	0.0063
<i>Bdh2</i>	3-hydroxybutyrate dehydrogenase, type 2	1.63	0.0083
<i>RGD1309676</i>	similar to RIKEN cDNA 5730469M10	1.63	0.0088
<i>Fbn1</i>	fibrillin 1	1.63	0.0098
<i>Sc5d</i>	sterol-C5-desaturase	1.63	0.0039
<i>L3hpdh</i>	L-3-hydroxyproline dehydratase (trans-)	1.63	0.0290
<i>Prl8a3</i>	INTERACTS WITH astemizole AND bisphenol A AND C60 fullerene	1.63	0.0138

<i>Mphosph6</i>	M phase phosphoprotein 6	1.63	0.0038
<i>Ldlr</i>	low density lipoprotein receptor	1.63	0.0268
<i>Npnt</i>	nephronectin	1.63	0.0038
<i>Elovl2</i>	ELOVL fatty acid elongase 2	1.62	0.0011
<i>Pmvk</i>	phosphomevalonate kinase	1.62	0.0256
<i>Arsi</i>	arylsulfatase family, member I	1.62	0.0200
<i>Plcd3</i>	phospholipase C, delta 3	1.62	0.0327
<i>Atp6v1d</i>	ATPase, H ⁺ transporting, lysosomal V1 subunit D	1.62	0.0014
<i>Il18</i>	interleukin 18	1.62	0.0191
<i>LOC102553032</i>	ellis-van Creveld syndrome protein homolog	1.62	0.0038
<i>Elovl5</i>	ELOVL fatty acid elongase 5	1.62	0.0013
<i>Lnpep</i>	leucyl/cystinyl aminopeptidase	1.62	0.0013
<i>RGD1309730</i>	similar to RIKEN cDNA B230118H07	1.62	0.0014
<i>LOC680097</i>	similar to germinal histone H4 gene	1.62	0.0126
<i>Tfcp2l1</i>	transcription factor CP2-like 1	1.62	0.0171
<i>Reln</i>	reelin	1.61	0.0021
<i>Ctnna3</i>	catenin (cadherin associated protein), alpha 3	1.61	0.0161
<i>Cyp2c6v1</i>	cytochrome P450, family 2, subfamily C, polypeptide 6, variant 1	1.61	0.0003
<i>Adam28</i>	ADAM metallopeptidase domain 28	1.61	0.0032
<i>Glb1l2</i>	galactosidase, beta 1-like 2	1.61	0.0217
<i>Pde8b</i>	phosphodiesterase 8B	1.61	0.0352
<i>Olr824</i>	olfactory receptor 824	1.61	0.0253
<i>Ak4</i>	adenylate kinase 4	1.61	0.0006
<i>Eepd1</i>	endonuclease/exonuclease/phosphatase family domain containing 1	1.61	0.0081
<i>Fstl1</i>	folliculin-like 1	1.61	0.0139
<i>LOC102553394</i>	uncharacterized LOC102553394	1.61	0.0045
<i>Tnfaip2</i>	tumor necrosis factor, alpha-induced protein 2	1.61	0.0424
<i>Rab32</i>	RAB32, member RAS oncogene family	1.61	0.0003
<i>Mttp</i>	microsomal triglyceride transfer protein	1.61	0.0177
<i>Scd1</i>	stearoyl-Coenzyme A desaturase 1	1.61	0.0055
<i>Arpp19</i>	cAMP-regulated phosphoprotein 19	1.61	0.0010
<i>Fzd4</i>	frizzled class receptor 4	1.61	0.0348
<i>F2r</i>	coagulation factor II (thrombin) receptor	1.61	0.0001
<i>Abcc1</i>	ATP-binding cassette, subfamily C (CFTR/MRP), member 1	1.61	0.0210
<i>Bmp1</i>	bone morphogenetic protein 1	1.61	0.0101
<i>Heg1</i>	heart development protein with EGF-like domains 1	1.60	0.0024
<i>Ppp1r14c</i>	protein phosphatase 1, regulatory (inhibitor) subunit 14c	1.60	0.0082
<i>Mrpl23</i>	mitochondrial ribosomal protein L23	1.60	0.0005
<i>LOC691962</i>	hypothetical protein LOC691962	1.60	0.0024
<i>Stx2</i>	syntaxin 2	1.60	0.0475
<i>Golt1a</i>	golgi transport 1A	1.60	0.0145
<i>Timp1</i>	TIMP metallopeptidase inhibitor 1	1.60	0.0245
<i>Plat</i>	plasminogen activator, tissue	1.60	0.0053
<i>Apool</i>	apolipoprotein O-like	1.60	0.0000
<i>Pklr</i>	pyruvate kinase, liver and RBC	1.60	0.0296
<i>Calm2</i>	calmodulin 2	1.60	0.0009
<i>Acaa1</i>	acetyl-CoA acyltransferase 1A	1.59	0.0042
<i>Alpl</i>	alkaline phosphatase, liver/bone/kidney	1.59	0.0405
<i>Agap3</i>	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	1.59	0.0056
<i>Gpr137b</i>	G protein-coupled receptor 137B	1.59	0.0144
<i>Zfp90</i>	zinc finger protein 90	1.59	0.0052
<i>Bst2</i>	bone marrow stromal cell antigen 2	1.59	0.0431
<i>Tlcd1</i>	TLC domain containing 1	1.59	0.0400
<i>Hltf</i>	helicase-like transcription factor	1.59	0.0049
<i>Ednrb</i>	endothelin receptor type B	1.58	0.0017
<i>Grhl2</i>	grainyhead-like transcription factor 2	1.58	0.0076
<i>Glr3</i>	glutaredoxin 3	1.58	0.0001
<i>Ociad2</i>	OClA domain containing 2	1.58	0.0146

<i>Galk1</i>	galactokinase 1	1.58	0.0095
<i>Rxrg</i>	retinoid X receptor gamma	1.58	0.0277
<i>Rbbp8</i>	retinoblastoma binding protein 8	1.58	0.0031
<i>G0s2</i>	G0/G1switch 2	1.58	0.0051
<i>Pkp2</i>	plakophilin 2	1.57	0.0254
<i>Glrx</i>	glutaredoxin (thioltransferase)	1.57	0.0402
<i>Frzb</i>	frizzled-related protein	1.57	0.0181
<i>Dlg3</i>	discs, large homolog 3 (Drosophila)	1.57	0.0070
<i>Mgam</i>	maltase-glucoamylase [Source:MGI Symbol;Acc:MGI:1203495]	1.57	0.0197
<i>Kri1</i>	KRI1 homolog (S. cerevisiae)	1.57	0.0192
<i>Anxa7</i>	annexin A7	1.57	0.0031
<i>Nmt2</i>	N-myristoyltransferase 2	1.57	0.0163
<i>Ddit4</i>	DNA-damage-inducible transcript 4	1.57	0.0116
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<i>Tkt</i>	transketolase	1.57	0.0133
<i>Timp3</i>	TIMP metalloproteinase inhibitor 3	1.56	0.0322
<i>Lactb2</i>	lactamase, beta 2	1.56	0.0325
<i>Ikbke</i>	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	1.56	0.0110
<i>Dll4</i>	delta-like 4 (Drosophila)	1.56	0.0139
<i>Sdcbp</i>	syndecan binding protein	1.56	0.0000
<i>Aacs</i>	acetoacetyl-CoA synthetase	1.56	0.0143
<i>Igfbp7</i>	insulin-like growth factor binding protein 7	1.56	0.0071
<i>LOC100912507</i>	INTERACTS WITH 17beta-estradiol (ortholog) AND 5-azacytidine (ortholog) AND all-trans-retinoic acid (ortholog)	1.56	0.0024
<i>LOC100912223</i>	INTERACTS WITH 17beta-estradiol (ortholog) AND 5-azacytidine (ortholog) AND all-trans-retinoic acid (ortholog)	1.56	0.0024
<i>Olr1252</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	1.56	0.0024
<i>Olr279</i>	olfactory receptor 279	1.56	0.0142
<i>Tnnc2</i>	troponin C type 2 (fast)	1.56	0.0001
<i>Cbx3</i>	chromobox homolog 3	1.56	0.0434
<i>Colec10</i>	collectin sub-family member 10 (C-type lectin)	1.56	0.0119
<i>Brk1</i>	BRICK1, SCAR/WAVE actin-nucleating complex subunit	1.56	0.0249
<i>Znf750</i>	zinc finger protein 750	1.56	0.0164
<i>Glrx5</i>	glutaredoxin 5	1.56	0.0013
<i>Vps36</i>	vacuolar protein sorting 36 homolog (S. cerevisiae)	1.56	0.0024
<i>Rbm4</i>	Chalmel, et. al. AceView Annotation Rbm4.gSep08 Testis-expressed Unannotated Transcripts (TUTs)	1.56	0.0074
<i>Enpp4</i>	ectonucleotide pyrophosphatase/phosphodiesterase 4	1.56	0.0171
<i>Pex14</i>	peroxisomal biogenesis factor 14	1.55	0.0025
<i>Dusp22</i>	dual specificity phosphatase 22	1.55	0.0060
<i>RGD1564133</i>	INTERACTS WITH 8-anilinonaphthalene-1-sulfonic acid (ortholog) AND all-trans-retinoic acid (ortholog) AND copper(2+) sulfate (ortholog)	1.55	0.0433
<i>Lrig3</i>	leucine-rich repeats and immunoglobulin-like domains 3	1.55	0.0338
<i>RGD1559683</i>	similar to RIKEN cDNA 1700001C02	1.55	0.0076
<i>Lrrcc1</i>	leucine rich repeat and coiled-coil centrosomal protein 1	1.55	0.0299
<i>Kifc3</i>	kinesin family member C3	1.55	0.0271
<i>Slc25a20</i>	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	1.55	0.0196
<i>Cln6</i>	ceroid-lipofuscinosis, neuronal 6, late infantile, variant	1.55	0.0192
<i>Ube2e2</i>	ubiquitin-conjugating enzyme E2E 2	1.55	0.0019
<i>Tmem14c</i>	transmembrane protein 14C	1.55	0.0164
<i>LOC102547000</i>	rho GTPase-activating protein 20-like	1.55	0.0376
<i>Exosc9</i>	exosome component 9	1.55	0.0003
<i>Rxfp1</i>	relaxin/insulin-like family peptide receptor 1	1.55	0.0468
<i>Tmem2</i>	transmembrane protein 2	1.54	0.0031
<i>Rcn1</i>	reticulocalbin 1, EF-hand calcium binding domain	1.54	0.0112
<i>Cdr2</i>	cerebellar degeneration-related protein 2	1.54	0.0012
<i>Arhgap11a</i>	Rho GTPase activating protein 11A	1.54	0.0228
<i>Sorcs2</i>	sortilin-related VPS10 domain containing receptor 2	1.54	0.0294

<i>LOC102555951</i>	brain-specific angiogenesis inhibitor 1-associated protein 2-like	1.54	0.0492
<i>Fam134b</i>	family with sequence similarity 134, member B	1.54	0.0201
<i>Ppt1</i>	palmitoyl-protein thioesterase 1	1.54	0.0126
<i>Ctnna3</i>	catenin (cadherin associated protein), alpha 3	1.54	0.0169
<i>LOC102547484</i>	uncharacterized LOC102547484	1.54	0.0295
<i>Acot3</i>	acyl-CoA thioesterase 3	1.54	0.0447
<i>Rtcb</i>	RNA 2,3-cyclic phosphate and 5-OH ligase	1.54	0.0000
<i>Ralgps2</i>	Ral GEF with PH domain and SH3 binding motif 2	1.54	0.0016
<i>Taldo1</i>	transaldolase 1	1.54	0.0159
<i>Mgll</i>	monoglyceride lipase	1.54	0.0112
<i>Hba1</i>	hemoglobin, alpha 1	1.54	0.0081
<i>Cidec</i>	cell death-inducing DFFA-like effector c	1.54	0.0104
<i>Acot4</i>	acyl-CoA thioesterase 4	1.53	0.0247
<i>Otulin</i>	OTU deubiquitinase with linear linkage specificity	1.53	0.0026
<i>Mical2</i>	microtubule associated monooxygenase, calponin and LIM domain containing 2	1.53	0.0183
<i>Cxcl13</i>	chemokine (C-X-C motif) ligand 13	1.53	0.0242
<i>LOC100359600</i>	karyopherin alpha 2-like	1.53	0.0068
<i>Zfp867</i>	zinc finger protein 867	1.53	0.0411
<i>Sepw1</i>	selenoprotein W, 1 (Sepw1), mRNA	1.53	0.0089
<i>Crh</i>	corticotropin releasing hormone	1.53	0.0232
<i>Zfp951</i>	zinc finger protein 951	1.53	0.0018
<i>Sult1a1</i>	sulfotransferase family 1A member 1	1.53	0.0390
<i>RGD1311946</i>	similar to RIKEN cDNA 1810055G02	1.53	0.0120
<i>Slc30a1</i>	solute carrier family 30 (zinc transporter), member 1	1.53	0.0036
<i>LOC102555406</i>	zinc finger protein 120-like	1.53	0.0130
<i>Hba2</i>	hemoglobin, alpha 2	1.53	0.0054
<i>Arl6ip5</i>	ADP-ribosylation factor-like 6 interacting protein 5	1.53	0.0160
<i>Ppm1j</i>	protein phosphatase, Mg2+/Mn2+ dependent, 1J	1.53	0.0097
<i>LOC501033</i>	similar to UPF0258 protein KIAA1024	1.53	0.0028
<i>Syt12</i>	synaptotagmin-like 2 [Source:RGD Symbol;Acc:1307647]	1.53	0.0050
<i>Sptbn1</i>	spectrin, beta, non-erythrocytic 1	1.53	0.0006
<i>LOC100911874</i>	solute carrier family 40 member 1-like [Source:RGD Symbol;Acc:6490105]	1.52	0.0039
<i>Il1rn</i>	interleukin 1 receptor antagonist	1.52	0.0170
<i>Pck2</i>	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	1.52	0.0010
<i>Smim12</i>	small integral membrane protein 12	1.52	0.0041
<i>Olr1262</i>	olfactory receptor 1262	1.52	0.0334
<i>Evc</i>	Ellis van Creveld protein	1.52	0.0003
<i>Cmpk1</i>	cytidine monophosphate (UMP-CMP) kinase 1	1.52	0.0005
<i>Capn2</i>	calpain 2, (m/II) large subunit	1.52	0.0160
<i>Ear11</i>	eosinophil-associated, ribonuclease A family, member 11 (Ear11), mRNA	1.52	0.0382
<i>Tmem101</i>	transmembrane protein 101	1.52	0.0304
<i>Iah1</i>	isoamyl acetate-hydrolyzing esterase 1 homolog	1.52	0.0126
<i>Slc40a1</i>	solute carrier family 40 (iron-regulated transporter), member 1	1.52	0.0182
<i>Iqsec2</i>	IQ motif and Sec7 domain 2	1.51	0.0075
<i>Vom2r75</i>	vomerolnasal 2 receptor, 75	1.51	0.0272
<i>Ptgfr</i>	prostaglandin F receptor	1.51	0.0081
<i>Schip1</i>	schwannomin interacting protein 1	1.51	0.0372
<i>Bcs1l</i>	BC1 (ubiquinol-cytochrome c reductase) synthesis-like	1.51	0.0036
<i>Acad11</i>	acyl-CoA dehydrogenase family, member 11	1.51	0.0181
<i>Olr436</i>	olfactory receptor 436	1.51	0.0451
<i>LOC102552920</i>	armadillo repeat-containing X-linked protein 5-like	1.51	0.0151
<i>Cpt2</i>	carnitine palmitoyltransferase 2	1.51	0.0055
<i>S100g</i>	S100 calcium binding protein G	1.51	0.0235
<i>Ltbp4</i>	latent transforming growth factor beta binding protein 4	1.51	0.0031
<i>Ppox</i>	protoporphyrinogen oxidase	1.51	0.0300
<i>Myef2</i>	myelin expression factor 2	1.51	0.0235
<i>Csmd1</i>	CUB and Sushi multiple domains 1	1.51	0.0408

<i>Pf4</i>	platelet factor 4	1.51	0.0420
<i>Tmem167a</i>	transmembrane protein 167A	1.50	0.0003
<i>Coq7</i>	coenzyme Q7 homolog, ubiquinone (yeast)	1.50	0.0050
<i>Syt6</i>	synaptotagmin VI	1.50	0.0000
<i>Psemb8</i>	ENCODES a protein that exhibits threonine-type endopeptidase activity (inferred)	1.50	0.0028
<i>Tas2r140</i>	taste receptor, type 2, member 140	1.50	0.0168
<i>Tecr</i>	trans-2,3-enoyl-CoA reductase	1.50	0.0008
<i>Nckap5</i>	NCK-associated protein 5	1.50	0.0256
<i>Arf2</i>	ADP-ribosylation factor 2	1.50	0.0211
<i>Arhgap24</i>	Rho GTPase activating protein 24	1.50	0.0060
<i>Plgrkt</i>	plasminogen receptor, C-terminal lysine transmembrane protein	1.50	0.0435
<i>Tmem120b</i>	transmembrane protein 120B	1.50	0.0032
<i>Mras</i>	muscle RAS oncogene homolog	1.50	0.0261
<i>Thnsl2</i>	threonine synthase-like 2 (S. cerevisiae)	1.50	0.0061
<i>Tagln2</i>	transgelin 2	1.50	0.0093
<i>Pdgfd</i>	platelet derived growth factor D	1.50	0.0337
<i>Gadl1</i>	glutamate decarboxylase-like 1	1.50	0.0146
<i>Man2b2</i>	mannosidase, alpha, class 2B, member 2	1.49	0.0082
<i>Mapre2</i>	microtubule-associated protein, RP/EB family, member 2	1.49	0.0410
<i>Msl3l2</i>	male-specific lethal 3-like 2 (Drosophila)	1.49	0.0090
<i>LOC100911718</i>	cytochrome P450 2C6-like	1.49	0.0006
<i>Garnl3</i>	ENCODES a protein that exhibits GTPase activator activity (inferred)	1.49	0.0132
<i>Chuk</i>	conserved helix-loop-helix ubiquitous kinase	1.49	0.0005
<i>Vom2r44</i>	vomeranase 2 receptor 44	1.49	0.0394
<i>Nexn</i>	nexilin (F actin binding protein)	1.49	0.0289
<i>RGD1566085</i>	similar to pyridoxal (pyridoxine, vitamin B6) kinase [Source:RGD Symbol;Acc:1566085]	1.49	0.0002
<i>2510049J12Rik</i>	RIKEN cDNA 2510049J12 gene	1.49	0.0484
<i>Tcn2</i>	transcobalamin 2	1.49	0.0401
<i>Sptb</i>	spectrin, beta, erythrocytic	1.49	0.0235
<i>Cdk17</i>	cyclin-dependent kinase 17	1.49	0.0388
<i>Vom2r1</i>	vomeranase 2 receptor, 1	1.49	0.0475
<i>Ccdc171</i>	coiled-coil domain containing 171	1.49	0.0049
<i>Ctsd</i>	cathepsin D	1.49	0.0108
<i>Cryz</i>	crystallin, zeta (quinone reductase)	1.49	0.0173
<i>Tcf7l1</i>	transcription factor 7-like 1 (T-cell specific, HMG-box)	1.49	0.0372
<i>LOC100294508</i>	dyslexia susceptibility 2-like	1.49	0.0006
<i>Atf7ip</i>	activating transcription factor 7 interacting protein	1.49	0.0219
<i>Acvr1l</i>	activin A receptor type II-like 1	1.48	0.0001
<i>Agap3</i>	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3 [Source:RefSeq peptide;Acc:NP_001102086]	1.48	0.0281
<i>Hsd12</i>	hydroxysteroid dehydrogenase like 2	1.48	0.0172
<i>Tpm4</i>	tropomyosin 4	1.48	0.0253
<i>Pigk</i>	phosphatidylinositol glycan anchor biosynthesis, class K	1.48	0.0050
<i>Sema3c</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	1.48	0.0081
---	Uncharacterized protein	1.48	0.0199
<i>Vcl</i>	vinculin	1.48	0.0028
<i>LOC367597</i>	similar to nidogen 2	1.48	0.0142
<i>RGD1305587</i>	similar to RIKEN cDNA 2010107G23	1.48	0.0118
<i>Vsx1</i>	visual system homeobox 1	1.48	0.0218
<i>Entpd8</i>	ectonucleoside triphosphate diphosphohydrolase 8	1.48	0.0151
<i>Abcc3</i>	ATP-binding cassette, subfamily C (CFTR/MRP), member 3	1.48	0.0344
<i>Prkca</i>	protein kinase C, alpha	1.48	0.0067
<i>Chpf</i>	chondroitin polymerizing factor	1.48	0.0005
<i>Prelid1</i>	PRELI domain containing 1	1.48	0.0003
<i>Peg3</i>	paternally expressed 3	1.48	0.0049

<i>Hist2h3c2</i>	histone cluster 2, H3c2	1.48	0.0475
<i>Specc1</i>	sperm antigen with calponin homology and coiled-coil domains 1	1.48	0.0052
<i>Mogat3</i>	monoacylglycerol O-acyltransferase 3	1.48	0.0240
<i>RGD1560015</i>	INTERACTS WITH ammonium chloride	1.48	0.0282
<i>Slc9a3r2</i>	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 2	1.48	0.0039
<i>Acat1</i>	acetyl-CoA acetyltransferase 1	1.47	0.0032
<i>Dnaja4</i>	DnaJ (Hsp40) homolog, subfamily A, member 4	1.47	0.0206
<i>Sorcs1</i>	sortilin-related VPS10 domain containing receptor 1	1.47	0.0037
<i>Ednra</i>	endothelin receptor type A	1.47	0.0036
<i>Sgcb</i>	sarcoglycan, beta	1.47	0.0191
<i>Cfl1</i>	cofilin 1, non-muscle	1.47	0.0027
<i>LOC681177</i>	similar to GTPase activating protein testicular GAP1	1.47	0.0159
<i>Olr1391</i>	olfactory receptor 1391	1.47	0.0293
<i>Bloc1s5</i>	biogenesis of lysosomal organelles complex-1, subunit 5, muted	1.47	0.0034
<i>LOC100911860</i>	ENCODES a protein that exhibits cysteine-type peptidase activity (inferred)	1.47	0.0088
<i>Hadha</i>	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	1.47	0.0002
<i>Comm49</i>	COMM domain containing 9	1.47	0.0292
<i>Satb1</i>	SATB homeobox 1	1.47	0.0111
<i>Emc1</i>	ER membrane protein complex subunit 1	1.47	0.0449
<i>Lpin2</i>	lipin 2	1.47	0.0498
<i>Olr377</i>	olfactory receptor 377	1.47	0.0049
<i>Slco6d1</i>	solute carrier organic anion transporter family, member 6d1 [Source:RGD Symbol;Acc:1359388]	1.47	0.0160
<i>Herc3</i>	HECT and RLD domain containing E3 ubiquitin protein ligase 3	1.47	0.0016
<i>Npy</i>	neuropeptide Y	1.47	0.0048
<i>Gnat3</i>	guanine nucleotide binding protein, alpha transducing 3	1.47	0.0171
<i>Wfdc3</i>	WAP four-disulfide core domain 3	1.47	0.0473
<i>Gnptab</i>	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	1.47	0.0175
<i>Ap3s2</i>	adaptor-related protein complex 3, sigma 2 subunit	1.46	0.0007
<i>Carf</i>	calcium responsive transcription factor	1.46	0.0374
<i>Bahd1</i>	bromo adjacent homology domain containing 1	1.46	0.0171
<i>Tmem126a</i>	transmembrane protein 126A	1.46	0.0006
<i>Kif21a</i>	kinesin family member 21A	1.46	0.0009
<i>Arpp19</i>	cAMP-regulated phosphoprotein 19 (Arpp19), mRNA	1.46	0.0130
<i>Zfp36l2</i>	zinc finger protein 36, C3H type-like 2	1.46	0.0297
<i>Clcn2</i>	chloride channel, voltage-sensitive 2	1.46	0.0185
<i>Osgepl1</i>	O-sialoglycoprotein endopeptidase-like 1	1.46	0.0214
<i>Tp53inp1</i>	tumor protein p53 inducible nuclear protein 1	1.46	0.0183
<i>Leap2</i>	liver-expressed antimicrobial peptide 2	1.46	0.0322
<i>Abcg3l1</i>	ATP-binding cassette, subfamily G (WHITE), member 3-like 1	1.46	0.0048
<i>Armxc6</i>	armadillo repeat containing, X-linked 6	1.46	0.0088
<i>Zfp36l2</i>	zinc finger protein 36, C3H type-like 2	1.46	0.0175
<i>Fam114a1</i>	family with sequence similarity 114, member A1	1.46	0.0304
<i>Pamr1</i>	peptidase domain containing associated with muscle regeneration 1	1.46	0.0071
<i>Gtf2h2</i>	general transcription factor IIH, polypeptide 2	1.46	0.0198
<i>Phactr2</i>	phosphatase and actin regulator 2	1.46	0.0299
<i>Slc13a2</i>	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	1.46	0.0384
<i>Tpm3</i>	tropomyosin 3	1.46	0.0008
<i>Nlrp14</i>	NLR family, pyrin domain containing 14	1.46	0.0082
<i>B4galt6</i>	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	1.46	0.0133
<i>Fhl1</i>	four and a half LIM domains 1	1.45	0.0183
<i>Naprt</i>	nicotinate phosphoribosyltransferase	1.45	0.0099
<i>Synj2</i>	synaptojanin 2	1.45	0.0333
<i>Vim</i>	vimentin	1.45	0.0001
<i>Cpb1</i>	carboxypeptidase B1 (tissue)	1.45	0.0290

<i>Pcdhgb4</i>	protocadherin gamma subfamily B, 4	1.45	0.0147
<i>Ppa1</i>	pyrophosphatase (inorganic) 1	1.45	0.0097
<i>Cd24</i>	CD24 molecule	1.45	0.0258
<i>Coq5</i>	coenzyme Q5, methyltransferase	1.45	0.0125
<i>Fads1</i>	fatty acid desaturase 1	1.45	0.0243
<i>Atp6v1e1</i>	ATPase, H+ transporting, lysosomal V1 subunit E1	1.45	0.0025
<i>Tlr3</i>	toll-like receptor 3	1.45	0.0097
<i>Lama2</i>	laminin, alpha 2	1.45	0.0031
<i>LOC102551184</i>	INTERACTS WITH arsenite(3-) (ortholog) AND cyclosporin A (ortholog) AND diarsenic trioxide (ortholog)	1.45	0.0010
<i>Tex13</i>	testis expressed gene 13	1.45	0.0039
<i>Cbr1</i>	carbonyl reductase 1	1.45	0.0399
<i>Laptm5</i>	lysosomal protein transmembrane 5	1.45	0.0106
<i>Lyar</i>	Ly1 antibody reactive	1.45	0.0070
<i>RGD1308195</i>	similar to secreted Ly6/uPAR related protein 2	1.45	0.0062
<i>Acp5</i>	acid phosphatase 5, tartrate resistant	1.45	0.0118
<i>Trip11</i>	thyroid hormone receptor interactor 11	1.45	0.0135
<i>Bckdhhb</i>	branched chain keto acid dehydrogenase E1, beta polypeptide	1.45	0.0004
<i>LOC100909622</i>	INTERACTS WITH (-)-epigallocatechin 3-gallate (ortholog) AND aflatoxin B1 (ortholog) AND cyclosporin A (ortholog)	1.45	0.0177
<i>Stau2</i>	staufen double-stranded RNA binding protein 2	1.45	0.0126
<i>LOC102547118</i>	retinitis pigmentosa 1-like 1 protein-like [Source:RGD Symbol;Acc:7681336]	1.45	0.0297
<i>Gpx7</i>	glutathione peroxidase 7	1.45	0.0375
<i>Ces2g</i>	carboxylesterase 2G	1.45	0.0418
<i>Tprg1l</i>	tumor protein p63 regulated 1-like	1.45	0.0054
<i>Hrasls</i>	HRAS-like suppressor	1.44	0.0115
<i>Alox15</i>	arachidonate 15-lipoxygenase	1.44	0.0209
<i>LOC691670</i>	similar to natural killer cell protease 7	1.44	0.0037
<i>Ccdc152</i>	coiled-coil domain containing 152	1.44	0.0307
<i>Ccdc88c</i>	coiled-coil domain containing 88C	1.44	0.0283
<i>Cox10</i>	COX10 heme A:farnesyltransferase cytochrome c oxidase assembly factor	1.44	0.0252
<i>Jph4</i>	junctophilin 4	1.44	0.0060
<i>LOC100910833</i>	histone-lysine N-methyltransferase setd3-like	1.44	0.0029
<i>Scamp5</i>	secretory carrier membrane protein 5	1.44	0.0325
<i>Ccnb2</i>	cyclin B2	1.44	0.0435
<i>Faap24</i>	Fanconi anemia core complex associated protein 24	1.44	0.0229
<i>Olr372</i>	olfactory receptor 372	1.44	0.0237
<i>Oprm1</i>	opioid receptor, mu 1	1.44	0.0011
<i>LOC100909786</i>	INTERACTS WITH 17beta-hydroxy-17-methylestra-4 9 11-trien-3-one (ortholog)	1.44	0.0081
<i>RGD1560273</i>	RGD1560273	1.44	0.0251
<i>LOC100910708</i>	INVOLVED IN oxidation-reduction process (inferred) AND INTERACTS WITH (R)-acetoin (ortholog)	1.44	0.0359
<i>Tpgs2</i>	tubulin polyglutamylase complex subunit 2	1.44	0.0027
<i>Ndufa8</i>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8	1.44	0.0134
<i>Miox</i>	myo-inositol oxygenase	1.44	0.0022
<i>Ageb7</i>	melanoma antigen, family B, 7	1.44	0.0379
<i>Ift122</i>	intraflagellar transport 122	1.44	0.0156
<i>Etl4</i>	Protein Etl4	1.43	0.0299
<i>LOC691272</i>	similar to reproductive homeobox on X chromosome, 11	1.43	0.0454
<i>Cttnbp2nl</i>	CTTNBP2 N-terminal like	1.43	0.0170
<i>Cygb</i>	cytoglobin	1.43	0.0357
<i>Cst3</i>	cystatin C	1.43	0.0128
<i>Wisp2</i>	WNT1 inducible signaling pathway protein 2	1.43	0.0051
<i>LOC100361993</i>	transmembrane protein 14C [Source:RGD Symbol;Acc:2319087]	1.43	0.0185
<i>Cetn2</i>	Centrin 2, isoform CRA_a; Protein Cetn2	1.43	0.0322
<i>Nt5dc2</i>	5-nucleotidase domain containing 2	1.43	0.0064
<i>GSTA1</i>	Glutathione S-transferase	1.43	0.0275

<i>Efemp2</i>	EGF-containing fibulin-like extracellular matrix protein 2	1.43	0.0248
<i>Gapdh-ps2</i>	glyceraldehyde-3-phosphate dehydrogenase, pseudogene 2	1.43	0.0005
---	Uncharacterized protein	1.43	0.0324
<i>Asrgl1</i>	asparaginase like 1	1.43	0.0370
<i>LOC100174910</i>	glutaredoxin-like protein	1.43	0.0370
<i>Comm48</i>	COMM domain containing 8	1.43	0.0093
<i>Syn3</i>	synapsin III	1.43	0.0052
<i>P4hb</i>	prolyl 4-hydroxylase, beta polypeptide	1.43	0.0023
<i>Ctgf</i>	connective tissue growth factor	1.43	0.0442
<i>Eppk1</i>	ENCODS a protein that exhibits poly(A) RNA binding (ortholog)	1.43	0.0093
<i>Hist1h4b</i>	histone cluster 1, H4b	1.43	0.0223
<i>Dtnb</i>	dystrobrevin, beta	1.43	0.0013
<i>Cdc25b</i>	cell division cycle 25B	1.43	0.0290
<i>Kif1c</i>	kinesin family member 1C	1.43	0.0250
<i>Cd151</i>	CD151 molecule (Raph blood group)	1.43	0.0006
<i>RT1-N2</i>	RT1 class Ib, locus N2	1.43	0.0024
<i>Decr1</i>	2,4-dienoyl CoA reductase 1, mitochondrial	1.42	0.0167
<i>Atp1b3</i>	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	1.42	0.0010
<i>Fam20b</i>	family with sequence similarity 20, member B	1.42	0.0222
<i>Serpinb6</i>	serpin peptidase inhibitor, clade B (ovalbumin), member 6	1.42	0.0098
<i>Trpm2</i>	transient receptor potential cation channel, subfamily M, member 2	1.42	0.0172
<i>Ogdhl</i>	oxoglutarate dehydrogenase-like	1.42	0.0012
<i>Dlst</i>	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	1.42	0.0001
<i>Pfkf</i>	phosphofructokinase, liver	1.42	0.0088
<i>Sec13</i>	SEC13 homolog, nuclear pore and COPII coat complex component	1.42	0.0184
<i>Xrcc6</i>	X-ray repair complementing defective repair in Chinese hamster cells 6	1.42	0.0151
<i>Rbm48</i>	RNA binding motif protein 48	1.42	0.0012
<i>Pbsn</i>	probasin	1.42	0.0035
<i>Rcl1</i>	RNA terminal phosphate cyclase-like 1	1.42	0.0211
<i>Abhd12</i>	abhydrolase domain containing 12	1.42	0.0449
<i>Arl6</i>	ADP-ribosylation factor-like 6	1.42	0.0143
<i>Ssbp3</i>	single stranded DNA binding protein 3	1.42	0.0038
<i>RGD1564138</i>	similar to 60S ribosomal protein L29 (P23) [Source:RGD Symbol;Acc:1564138]	1.42	0.0129
<i>Ccnb1ip1</i>	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase	1.42	0.0326
<i>Pip4k2b</i>	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	1.42	0.0184
<i>Mad2l2</i>	MAD2 mitotic arrest deficient-like 2 (yeast)	1.42	0.0242
<i>Nr1h5</i>	nuclear receptor subfamily 1, group H, member 5	1.42	0.0015
<i>Nmi</i>	N-myc (and STAT) interactor	1.42	0.0089
<i>Tmem70</i>	transmembrane protein 70	1.42	0.0337
<i>Skp1</i>	S-phase kinase-associated protein 1	1.42	0.0045
<i>Traf1</i>	TRAF type zinc finger domain containing 1	1.42	0.0105
<i>Ngfrap1</i>	nerve growth factor receptor (TNFRSF16) associated protein 1	1.42	0.0425
<i>LOC100912836</i>	leucine-rich repeat-containing protein PRAME-like [Source:RGD Symbol;Acc:6485636]	1.42	0.0163
<i>Kng1</i>	kininogen 1kininogen 2	1.42	0.0031
<i>Carhsp1</i>	calcium regulated heat stable protein 1	1.42	0.0166
<i>Fbxo43</i>	F-box protein 43	1.41	0.0188
<i>Bsg</i>	basigin (Ok blood group)	1.41	0.0134
<i>Sec24d</i>	SEC24 homolog D, COPII coat complex component	1.41	0.0057
<i>LOC100360061</i>	INTERACTS WITH 17beta-hydroxy-17-methylestra-4 9 11-trien-3-one (ortholog)	1.41	0.0438
<i>Pik3r3</i>	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)	1.41	0.0194
<i>Mycl</i>	v-myc avian myelocytomatosis viral oncogene lung carcinoma derived homolog	1.41	0.0389
<i>Pdc</i>	phosducin	1.41	0.0329
<i>Bmp10</i>	bone morphogenetic protein 10	1.41	0.0081

<i>Zfp541</i>	zinc finger protein 541	1.41	0.0278
<i>Zfp52</i>	zinc finger protein 52	1.41	0.0082
<i>Sult2b1</i>	sulfotransferase family 2B member 1	1.41	0.0189
<i>Syngap1</i>	synaptic Ras GTPase activating protein 1	1.41	0.0056
<i>Ppp2ca</i>	protein phosphatase 2, catalytic subunit, alpha isozyme	1.41	0.0025
<i>Bin3</i>	bridging integrator 3	1.41	0.0020
<i>LOC681736</i>	similar to Glycolipid transfer protein (GLTP)	1.41	0.0171
<i>Sec22b</i>	SEC22 vesicle trafficking protein homolog B (<i>S. cerevisiae</i>)	1.41	0.0018
<i>LOC501339</i>	similar to spermatogenesis associated glutamate (E)-rich protein 4dsimilar to zinc finger CCCH type, antiviral 1	1.41	0.0281
<i>Cbx2</i>	chromobox homolog 2	1.41	0.0022
<i>Tpi1</i>	triosephosphate isomerase 1	1.41	0.0216
<i>LOC100909867</i>	epididymal-specific lipocalin-13-like [Source:RGD Symbol;Acc:6501236]	1.41	0.0322
<i>Nlr1</i>	NLR family member X1	1.41	0.0242
<i>Gm14569</i>	predicted gene 14569 [Source:MGI Symbol;Acc:MGI:3705243]	1.41	0.0375
<i>Olr1145</i>	olfactory receptor 1145	1.41	0.0151
<i>Pgm1</i>	phosphoglucomutase 1	1.41	0.0006
<i>Scd4</i>	stearoyl-coenzyme A desaturase 4	1.40	0.0432
<i>Hsd17b13</i>	hydroxysteroid (17-beta) dehydrogenase 13	1.40	0.0097
<i>Ehd4</i>	EH-domain containing 4	1.40	0.0231
<i>Lgmn</i>	legumain	1.40	0.0243
<i>Cfap126</i>	cilia and flagella associated protein 126	1.40	0.0353
<i>Col1a2</i>	collagen, type I, alpha 2 (Col1a2), mRNA	1.40	0.0371
<i>Tmem41a</i>	transmembrane protein 41a	1.40	0.0202
<i>Acad9</i>	acyl-CoA dehydrogenase family, member 9	1.40	0.0007
<i>Pot1</i>	protection of telomeres 1	1.40	0.0037
<i>Mtmr9</i>	myotubularin related protein 9	1.40	0.0493
<i>LOC100360238</i>	rCG21419-like	1.40	0.0225
<i>RGD1565367</i>	similar to Solute carrier family 23, member 2 (Sodium-dependent vitamin C transporter 2)	1.40	0.0385
<i>Eif2b2</i>	eukaryotic translation initiation factor 2B, subunit 2 beta	1.40	0.0027
<i>Cd82</i>	Cd82 molecule	1.40	0.0095
<i>Ndst4</i>	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	1.40	0.0118
<i>Mxd4</i>	Max dimerization protein 4	1.40	0.0072
<i>LOC679149</i>	similar to carboxylesterase 2 (intestine, liver)	1.40	0.0225
<i>Mesdc2</i>	mesoderm development candidate 2	1.40	0.0027
<i>Asah1</i>	N-acylsphingosine amidohydrolase (acid ceramidase) 1	1.40	0.0042
<i>Akr1c14</i>	aldo-keto reductase family 1, member C14	1.40	0.0297
<i>Gapdh</i>	glyceraldehyde-3-phosphate dehydrogenase	1.40	0.0001
<i>LOC100909548</i>	INTERACTS WITH chloroquine AND diuron AND 17alpha-ethynylestradiol (ortholog)	1.40	0.0003
<i>LOC102554321</i>	uncharacterized LOC102554321	1.40	0.0126
<i>RGD1564836</i>	similar to HMGA1b	1.40	0.0187
<i>Tmem14a</i>	transmembrane protein 14A	1.40	0.0347
<i>Bcr</i>	breakpoint cluster region [Source:RGD Symbol;Acc:1307993]	1.40	0.0383
<i>Rnase17</i>	ribonuclease 17	1.39	0.0400
<i>Tgoln2</i>	trans-golgi network protein 2	1.39	0.0235
<i>Mcam</i>	melanoma cell adhesion molecule	1.39	0.0370
<i>Slc39a10</i>	solute carrier family 39 (zinc transporter), member 10	1.39	0.0298
<i>Hist1h1b</i>	histone cluster 1, H1b	1.39	0.0243
<i>NONMMUG026947</i>	Non-coding transcript identified by NONCODE: Exonic	1.39	0.0206
<i>Adh5</i>	alcohol dehydrogenase 5 (class III), chi polypeptide	1.39	0.0317
<i>Pde5a</i>	phosphodiesterase 5A, cGMP-specific	1.39	0.0342
<i>Hist1h4b</i>	histone cluster 1, H4b [Source:RGD Symbol;Acc:620814]	1.39	0.0228
<i>Cd151</i>	CD151 molecule (Raph blood group) (Cd151), mRNA	1.39	0.0028
<i>Atg4a</i>	autophagy related 4A, cysteine peptidase	1.39	0.0349
<i>Pdxk</i>	pyridoxal (pyridoxine, vitamin B6) kinase	1.39	0.0143

<i>Ackr3</i>	atypical chemokine receptor 3	1.39	0.0193
<i>Comt</i>	catechol-O-methyltransferase	1.39	0.0039
<i>Galt</i>	galactose-1-phosphate uridylyltransferase	1.39	0.0067
<i>Ybx3</i>	Y box binding protein 3	1.39	0.0156
<i>Epha7</i>	Eph receptor A7	1.39	0.0092
<i>Trim65</i>	tripartite motif-containing 65	1.39	0.0157
<i>Hscb</i>	HscB mitochondrial iron-sulfur cluster co-chaperone	1.39	0.0112
<i>Ippk</i>	inositol 1,3,4,5,6-pentakisphosphate 2-kinase	1.39	0.0340
<i>Rnpep</i>	arginyl aminopeptidase (aminopeptidase B)	1.39	0.0107
<i>Icmt</i>	isoprenylcysteine carboxyl methyltransferase	1.39	0.0033
<i>Nudt13</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 13	1.39	0.0340
<i>Olr1107</i>	olfactory receptor 1107	1.39	0.0320
<i>Acy1</i>	aminoacylase 1	1.39	0.0364
<i>NONMMUG023236</i>	Non-coding transcript identified by NONCODE: Sense No Exonic	1.39	0.0192
<i>Cybb</i>	cytochrome b-245, beta polypeptide	1.39	0.0025
<i>Dgkz</i>	diacylglycerol kinase zeta	1.39	0.0394
<i>Npy</i>	neuropeptide Y (Npy), mRNA	1.39	0.0095
<i>Tmem25</i>	transmembrane protein 25	1.39	0.0120
<i>Tmprss6</i>	transmembrane protease, serine 6	1.39	0.0227
<i>Mfrp</i>	membrane frizzled-related protein	1.39	0.0493
<i>Olr853</i>	olfactory receptor 853	1.39	0.0380
<i>Nkx2-4</i>	NK2 homeobox 4	1.38	0.0005
<i>Pacsin2</i>	protein kinase C and casein kinase substrate in neurons 2	1.38	0.0204
<i>Sparcl1</i>	SPARC-like 1 (hevin)	1.38	0.0287
<i>Hsd17b12</i>	hydroxysteroid (17-beta) dehydrogenase 12	1.38	0.0042
<i>Cdrt4</i>	CMT1A duplicated region transcript 4	1.38	0.0499
<i>Mrpl37</i>	mitochondrial ribosomal protein L37	1.38	0.0043
<i>Lilrb3</i>	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	1.38	0.0429
<i>Aldoat2</i>	aldolase 1 A retrogene 2	1.38	0.0179
<i>Flna</i>	filamin A, alpha	1.38	0.0252
<i>LOC100911477</i>	nidogen-2-like	1.38	0.0217
<i>Ttc36</i>	tetratricopeptide repeat domain 36	1.38	0.0235
<i>Snx7</i>	sorting nexin 7	1.38	0.0337
<i>Cers5</i>	ceramide synthase 5	1.38	0.0190
<i>Kpna2</i>	karyopherin alpha 2	1.38	0.0339
<i>Mbd2</i>	methyl-CpG binding domain protein 2	1.38	0.0007
<i>LOC102555146</i>	fatty acid-binding protein epidermal-like	1.38	0.0049
<i>Slc25a1</i>	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1	1.38	0.0024
<i>LOC684841</i>	ENCODES a protein that exhibits DNA binding (inferred)	1.38	0.0089
<i>Fam159b</i>	family with sequence similarity 159, member B [Source:RGD Symbol;Acc:1564672]	1.38	0.0465
<i>Cnpy1</i>	canopy FGF signaling regulator 1 [Source:RGD Symbol;Acc:1583296]	1.38	0.0021
<i>Ccna2</i>	cyclin A2	1.37	0.0234
<i>Zfp511</i>	zinc finger protein 511	1.37	0.0085
<i>Gsta1</i>	glutathione S-transferase alpha 1	1.37	0.0313
<i>Fnbp1l</i>	formin binding protein 1-like	1.37	0.0210
<i>Lpgat1</i>	lysophosphatidylglycerol acyltransferase 1	1.37	0.0044
<i>Slitrk6</i>	SLIT and NTRK-like family, member 6	1.37	0.0329
<i>Mrpl13</i>	mitochondrial ribosomal protein L13	1.37	0.0382
<i>Plau</i>	plasminogen activator, urokinase	1.37	0.0317
<i>Tp53i3</i>	tumor protein p53 inducible protein 3	1.37	0.0085
<i>Odc1</i>	ornithine decarboxylase 1	1.37	0.0020
<i>Papss1</i>	3-phosphoadenosine 5-phosphosulfate synthase 1	1.37	0.0369
<i>Acaa1b</i>	acetyl-Coenzyme A acyltransferase 1B	1.37	0.0088
<i>Sucla2</i>	succinate-CoA ligase, ADP-forming, beta subunit	1.37	0.0022

<i>Sowahc</i>	sosondowah ankyrin repeat domain family member C	1.37	0.0036
<i>Mvd</i>	mevalonate (diphospho) decarboxylase	1.37	0.0413
<i>Mmp27</i>	matrix metalloproteinase 27	1.37	0.0348
<i>Macrocl1</i>	MACRO domain containing 1	1.37	0.0283
<i>Zfp7</i>	zinc finger protein 7	1.37	0.0250
<i>Fam213b</i>	family with sequence similarity 213, member B	1.37	0.0045
<i>Fto</i>	fat mass and obesity associated (Fto), mRNA.	1.37	0.0424
<i>Lilra5</i>	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5	1.37	0.0022
<i>Sgcg</i>	sarcoglycan, gamma	1.37	0.0092
<i>Map4k2</i>	mitogen activated protein kinase kinase kinase kinase 2	1.37	0.0455
<i>LOC303448</i>	similar to glyceraldehyde-3-phosphate dehydrogenase	1.37	0.0085
<i>Tes</i>	testin LIM domain protein	1.37	0.0232
<i>RGD1562690</i>	PARTICIPATES IN cysteine and methionine metabolic pathway AND gluconeogenesis pathway AND glycolysis pathway	1.37	0.0004
<i>Dnajc19</i>	DnaJ (Hsp40) homolog, subfamily C, member 19	1.36	0.0062
<i>Snx21</i>	---	1.36	0.0130
<i>LOC500684</i>	hypothetical protein LOC500684	1.36	0.0019
<i>Col14a1</i>	collagen, type XIV, alpha 1	1.36	0.0375
<i>LOC684475</i>	similar to tumor protein p53 inducible protein 3	1.36	0.0322
<i>Letmd1</i>	LETMD1 domain containing 1	1.36	0.0113
<i>Sirpb2l1</i>	INTERACTS WITH 17beta-estradiol (ortholog)	1.36	0.0138
<i>Mapk</i>	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog K	1.36	0.0412
<i>Srp14</i>	signal recognition particle 14	1.36	0.0197
<i>Suclg1</i>	succinate-CoA ligase, alpha subunit	1.36	0.0082
<i>Mppe1</i>	metallophosphoesterase 1	1.36	0.0327
<i>04. Sep</i>	septin 4	1.36	0.0325
---	Uncharacterized protein	1.36	0.0287
---	Uncharacterized protein	1.36	0.0446
<i>P4ha3</i>	prolyl 4-hydroxylase, alpha polypeptide III	1.36	0.0203
<i>Sardh</i>	sarcosine dehydrogenase	1.36	0.0366
<i>Krt23</i>	keratin 23, type I	1.36	0.0496
<i>Otub1</i>	OTU deubiquitinase, ubiquitin aldehyde binding 1	1.36	0.0164
<i>Krt8</i>	keratin 8, type II	1.36	0.0483
<i>Olr453</i>	olfactory receptor 453	1.36	0.0350
<i>Aga</i>	aspartylglucosaminidase	1.36	0.0053
<i>Tas1r3</i>	taste receptor, type 1, member 3	1.36	0.0259
<i>Arl2</i>	ADP-ribosylation factor-like 2	1.36	0.0374
<i>Eps15l1</i>	ENCODES a protein that exhibits calcium ion binding (inferred)	1.36	0.0079
<i>Tpm3</i>	tropomyosin 3	1.36	0.0128
<i>Glg1</i>	golgi glycoprotein 1	1.36	0.0248
<i>Efnb2</i>	ephrin B2	1.36	0.0479
<i>Pde4a</i>	phosphodiesterase 4A, cAMP-specific	1.36	0.0098
<i>LOC501230</i>	similar to nidogen 2	1.36	0.0050
<i>Psph</i>	phosphoserine phosphatase	1.36	0.0301
<i>Pcdhgb5</i>	protocadherin gamma subfamily B, 5	1.36	0.0373
<i>Kifc1</i>	kinesin family member C1	1.36	0.0122
<i>Adam23</i>	ADAM metalloproteinase domain 23	1.36	0.0248
<i>Snx5</i>	sorting nexin 5	1.35	0.0170
<i>Aco2</i>	aconitase 2, mitochondrial	1.35	0.0337
<i>Veph1</i>	ventricular zone expressed PH domain-containing 1	1.35	0.0239
<i>Gpx1</i>	glutathione peroxidase 1	1.35	0.0039
<i>Tp53i11</i>	tumor protein p53 inducible protein 11	1.35	0.0301
<i>Ldha</i>	lactate dehydrogenase A	1.35	0.0013
<i>Sub1</i>	SUB1 homolog, transcriptional regulator	1.35	0.0118
<i>Etfa</i>	electron-transfer-flavoprotein, alpha polypeptide	1.35	0.0171
<i>Cd63</i>	Cd63 molecule	1.35	0.0494
<i>Cotl1</i>	coactosin-like F-actin binding protein 1	1.35	0.0273

<i>Lamp3</i>	lysosomal-associated membrane protein 3	1.35	0.0039
<i>Cd99l2</i>	CD99 molecule-like 2 [Source:RGD Symbol;Acc:620896]	1.35	0.0182
<i>LOC102553500</i>	uncharacterized LOC102553500	1.35	0.0003
<i>Acaa2</i>	acetyl-CoA acyltransferase 2	1.35	0.0123
<i>Flvcr2</i>	feline leukemia virus subgroup C cellular receptor family, member 2	1.35	0.0261
<i>Prdm16</i>	PR domain containing 16	1.35	0.0181
<i>Spata7</i>	spermatogenesis associated 7	1.35	0.0254
<i>Snx9</i>	sorting nexin 9	1.35	0.0262
<i>Atp5o</i>	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit	1.35	0.0493
<i>Bbox1</i>	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	1.35	0.0356
<i>Ank3</i>	ankyrin 3, node of Ranvier (ankyrin G)	1.35	0.0085
<i>Ano10</i>	anoctamin 10	1.35	0.0413
<i>Abrac1</i>	ABRA C-terminal like	1.35	0.0484
<i>Ppp5c</i>	protein phosphatase 5, catalytic subunit	1.35	0.0103
<i>Polb</i>	polymerase (DNA directed), beta	1.35	0.0109
<i>Tstd3</i>	thiosulfate sulfurtransferase (rhodanese)-like domain containing 3	1.35	0.0452
<i>Cplx2</i>	complexin 2	1.35	0.0498
<i>Rfx5</i>	regulatory factor X, 5 (influences HLA class II expression)	1.35	0.0384
<i>Mien1</i>	migration and invasion enhancer 1	1.35	0.0233
<i>Atp6v1a</i>	ATPase, H ⁺ transporting, lysosomal V1 subunit A	1.35	0.0379
<i>Tpsg1</i>	tryptase gamma 1	1.35	0.0380
<i>Psd2</i>	pleckstrin and Sec7 domain containing 2	1.34	0.0355
<i>Rgma</i>	repulsive guidance molecule family member A	1.34	0.0336
<i>Chchd6</i>	coiled-coil-helix-coiled-coil-helix domain containing 6	1.34	0.0387
<i>Zmat3</i>	zinc finger, matrin type 3	1.34	0.0437
<i>Ahnak</i>	AHNAK nucleoprotein	1.34	0.0071
<i>Rala</i>	v-ral simian leukemia viral oncogene homolog A (ras related)	1.34	0.0009
<i>Kif4a</i>	kinesin family member 4A	1.34	0.0161
<i>Ndufs5</i>	NADH dehydrogenase (ubiquinone) Fe-S protein 5	1.34	0.0167
<i>Strap</i>	serine/threonine kinase receptor associated protein	1.34	0.0099
<i>Prdm11</i>	PR domain containing 11	1.34	0.0446
<i>Mrpl1</i>	mitochondrial ribosomal protein L1	1.34	0.0384
<i>Rgs2</i>	regulator of G-protein signaling 2	1.34	0.0317
<i>Usp30</i>	ubiquitin specific peptidase 30	1.34	0.0174
<i>LOC688925</i>	similar to Glutathione S-transferase alpha-4	1.34	0.0375
<i>Olr1179</i>	olfactory receptor 1179	1.34	0.0427
<i>Cep57l1</i>	centrosomal protein 57-like 1	1.34	0.0075
<i>Rnf180</i>	ring finger protein 180	1.34	0.0325
<i>Actl9</i>	actin-like 9	1.34	0.0315
<i>Gyg1</i>	glycogenin 1	1.34	0.0403
<i>Hgf</i>	hepatocyte growth factor	1.34	0.0188
<i>LOC102549235</i>	uncharacterized LOC102549235	1.34	0.0349
<i>Gpr176</i>	G protein-coupled receptor 176	1.34	0.0133
<i>Pnmal2</i>	paraneoplastic Ma antigen family-like 2	1.34	0.0408
<i>Abi2</i>	abl-interactor 2	1.34	0.0014
<i>Knng1l1</i>	kininogen 1-like 1	1.34	0.0148
<i>Snap23</i>	synaptosomal-associated protein 23	1.34	0.0217
<i>Slc25a27</i>	solute carrier family 25, member 27	1.34	0.0143
<i>Atp5g1</i>	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit C1 (subunit 9)	1.34	0.0330
<i>Seprw1</i>	selenoprotein W, 1	1.34	0.0005
<i>Cdc42se2</i>	CDC42 small effector 2	1.34	0.0245
<i>Tmem18</i>	transmembrane protein 18	1.34	0.0144
<i>Gcat</i>	glycine C-acetyltransferase	1.34	0.0156
<i>Ssty1</i>	predicted gene, 21440	1.33	0.0077
<i>RGD1559441</i>	similar to MIC2L1 [Source:RGD Symbol;Acc:1559441]	1.33	0.0200
<i>Irgq</i>	immunity-related GTPase family, Q	1.33	0.0476

<i>Aplp1</i>	amyloid beta (A4) precursor-like protein 1	1.33	0.0465
<i>Pgp</i>	phosphoglycolate phosphatase	1.33	0.0109
<i>Prdx6</i>	peroxiredoxin 6	1.33	0.0334
<i>Cdc42ep1</i>	CDC42 effector protein (Rho GTPase binding) 1	1.33	0.0025
<i>Grik1</i>	glutamate receptor, ionotropic, kainate 1	1.33	0.0281
<i>Fundc1</i>	FUN14 domain containing 1	1.33	0.0413
<i>Ubl3</i>	ubiquitin-like 3	1.33	0.0021
<i>Nol4l</i>	nucleolar protein 4-like	1.33	0.0265
<i>Lrrc75b</i>	leucine rich repeat containing 75B	1.33	0.0499
<i>LOC100910497</i>	INTERACTS WITH (-)-demecolcine (ortholog)	1.33	0.0128
<i>Aasdhppt</i>	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	1.33	0.0040
<i>Arpp19</i>	cAMP-regulated phosphoprotein 19 [Source:RGD Symbol;Acc:71054]	1.33	0.0364
<i>Glpr2</i>	GLI pathogenesis-related 2	1.33	0.0431
<i>Olr1436</i>	olfactory receptor 1436	1.33	0.0335
<i>Olr1436</i>	olfactory receptor 1436 (Olr1436), mRNA	1.33	0.0335
<i>Blvra</i>	biliverdin reductase A	1.33	0.0241
<i>Lactb</i>	lactamase, beta	1.33	0.0177
<i>Arf3</i>	ADP-ribosylation factor 3 (Arf3), mRNA	1.33	0.0413
<i>Stoml1</i>	stomatin (EPB72)-like 1	1.33	0.0112
<i>Olr1311</i>	olfactory receptor 1311	1.33	0.0305
<i>Fam173b</i>	family with sequence similarity 173, member B	1.33	0.0129
<i>Slc34a1</i>	solute carrier family 34 (type II sodium/phosphate cotransporter), member 1	1.33	0.0081
<i>Pex19</i>	peroxisomal biogenesis factor 19	1.33	0.0216
<i>Fam96a</i>	family with sequence similarity 96, member A	1.33	0.0363
<i>Gfm2</i>	G elongation factor, mitochondrial 2	1.33	0.0278
<i>Plpp2</i>	phospholipid phosphatase 2	1.33	0.0387
<i>Akr1b10</i>	aldo-keto reductase family 1, member B10 (aldose reductase)	1.33	0.0465
<i>Fam91a1</i>	family with sequence similarity 91, member A1	1.33	0.0387
<i>Snf8</i>	SNF8, ESCRT-II complex subunit	1.33	0.0102
<i>RGD1563100</i>	similar to KIAA0089	1.33	0.0349
<i>Inpp4b</i>	inositol polyphosphate-4-phosphatase, type II	1.33	0.0348
<i>Ctxn2</i>	cortexin 2	1.33	0.0374
<i>Foxb1</i>	forkhead box B1	1.33	0.0192
<i>Nxnl1</i>	nucleoredoxin-like 1	1.33	0.0243
<i>Sugp2</i>	SURP and G patch domain containing 2	1.33	0.0083
<i>Rbm8a</i>	RNA binding motif protein 8A	1.33	0.0315
<i>LOC685700</i>	hypothetical protein LOC685700	1.33	0.0355
<i>Tdgf1</i>	teratocarcinoma-derived growth factor 1	1.33	0.0474
<i>LOC102552746</i>	uncharacterized LOC102552746	1.33	0.0005
<i>Psmc13</i>	proteasome 26S subunit, non-ATPase 13	1.32	0.0079
<i>Mtl5</i>	metallothionein-like 5, testis-specific (tesmin)	1.32	0.0172
<i>Itgb3bp</i>	integrin beta 3 binding protein (beta3-endonexin)	1.32	0.0318
<i>Timm50</i>	translocase of inner mitochondrial membrane 50	1.32	0.0419
<i>Gng12</i>	guanine nucleotide binding protein (G protein), gamma 12	1.32	0.0073
<i>Shroom3</i>	shroom family member 3	1.32	0.0048
<i>Smim19</i>	small integral membrane protein 19	1.32	0.0335
<i>Raet1l</i>	retinoic acid early transcript 1L	1.32	0.0394
<i>LOC316935</i>	similar to Spetex-2D protein [Source:RGD Symbol;Acc:1586158]	1.32	0.0045
<i>Tmem56</i>	transmembrane protein 56	1.32	0.0038
<i>Tsc22d1</i>	TSC22 domain family, member 1	1.32	0.0392
<i>LOC100363268</i>	INTERACTS WITH 17alpha-ethynylestradiol (ortholog)	1.32	0.0266
<i>Aurkb</i>	aurora kinase B	1.32	0.0452
<i>Cdc25c</i>	cell division cycle 25C	1.32	0.0213
<i>Ifitm2</i>	interferon induced transmembrane protein 2	1.32	0.0443
<i>Suv420h2</i>	suppressor of variegation 4-20 homolog 2 (Drosophila)	1.32	0.0414
<i>Cd209c</i>	CD209c molecule [Source:RGD Symbol;Acc:1582956]	1.32	0.0137
<i>Cyp2a1</i>	cytochrome P450, family 2, subfamily a, polypeptide 1	1.32	0.0252

<i>Rogdi</i>	rogdi homolog	1.32	0.0070
<i>Lypla1</i>	lysophospholipase I	1.32	0.0015
<i>Rwdd3</i>	RWD domain containing 3	1.32	0.0062
<i>Pilra</i>	paired immunoglobulin-like type 2 receptor alpha [Source:RGD Symbol;Acc:1562847]	1.32	0.0101
<i>Mmp19</i>	matrix metalloproteinase 19	1.32	0.0149
<i>Chd9</i>	chromodomain helicase DNA binding protein 9	1.32	0.0446
<i>Entpd7</i>	ectonucleoside triphosphate diphosphohydrolase 7	1.32	0.0468
<i>Fgf6</i>	fibroblast growth factor 6	1.32	0.0276
<i>Ube2l3</i>	ubiquitin-conjugating enzyme E2L 3	1.32	0.0161
<i>Hmha1</i>	histocompatibility (minor) HA-1	1.32	0.0416
<i>Sox18</i>	SRY (sex determining region Y)-box 18	1.32	0.0195
<i>Gpm6a</i>	glycoprotein m6a	1.32	0.0452
<i>Mtdh</i>	ENCODES a protein that exhibits double-stranded RNA binding (ortholog)	1.32	0.0045
---	Uncharacterized protein	1.32	0.0140
<i>Bsph2</i>	binder of sperm protein homolog 2	1.31	0.0041
<i>Rgs20</i>	regulator of G-protein signaling 20	1.31	0.0491
<i>Mef2b</i>	myocyte enhancer factor 2B	1.31	0.0139
<i>Fam212a</i>	family with sequence similarity 212, member A	1.31	0.0120
<i>Upp1</i>	uridine phosphorylase 1	1.31	0.0316
<i>Cldn16</i>	claudin 16	1.31	0.0163
<i>Tfdp1</i>	transcription factor Dp-1	1.31	0.0263
<i>Samd9l</i>	INVOLVED IN common myeloid progenitor cell proliferation (ortholog)	1.31	0.0335
<i>Mnat1</i>	MNAT CDK-activating kinase assembly factor 1	1.31	0.0238
<i>Tspan7</i>	tetraspanin 7	1.31	0.0045
<i>Dgkd</i>	diacylglycerol kinase, delta	1.31	0.0096
<i>Ppp1r7</i>	protein phosphatase 1, regulatory subunit 7	1.31	0.0188
<i>Exo5</i>	exonuclease 5	1.31	0.0092
<i>Npap60</i>	nuclear pore associated protein [Source:RGD Symbol;Acc:3191]	1.31	0.0042
<i>LOC100362391</i>	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 3-like [Source:RGD Symbol;Acc:2318296]	1.31	0.0171
<i>Ccdc137</i>	coiled-coil domain containing 137	1.31	0.0149
<i>Vom2r50</i>	vomerolateral 2 receptor, 50	1.31	0.0324
<i>Pgbd5</i>	piggyBac transposable element derived 5	1.31	0.0079
<i>Smtn</i>	FOUND IN actin cytoskeleton (ortholog) AND nucleus (ortholog) AND INTERACTS WITH C60 fullerene AND cisplatin AND cocaine	1.31	0.0005
<i>Msrb2</i>	methionine sulfoxide reductase B2	1.31	0.0265
<i>Col20a1</i>	collagen, type XX, alpha 1	1.31	0.0047
<i>Itih4</i>	inter-alpha-trypsin inhibitor heavy chain family, member 4	1.31	0.0043
<i>Ndufc1</i>	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 [Source:RGD Symbol;Acc:1586362]	1.31	0.0140
<i>Dhfr</i>	dihydrofolate reductase	1.31	0.0007
<i>Mdh2</i>	malate dehydrogenase 2, NAD (mitochondrial)	1.31	0.0331
<i>Hist3h3</i>	histone cluster 3, H3	1.31	0.0497
<i>Tax1bp3</i>	Tax1 (human T-cell leukemia virus type I) binding protein 3	1.31	0.0460
<i>Adam4</i>	a disintegrin and metalloprotease domain 4	1.31	0.0287
<i>Trub1</i>	TruB pseudouridine (psi) synthase family member 1	1.31	0.0409
<i>Zfp14</i>	ZFP14 zinc finger protein	1.31	0.0243
<i>Slurp1</i>	secreted Ly6/Plaur domain containing 1	1.31	0.0486
<i>Wbscr22</i>	Williams Beuren syndrome chromosome region 22	1.31	0.0427
<i>Itgb5</i>	integrin, beta 5	1.31	0.0209
<i>Ralgps1</i>	Ral GEF with PH domain and SH3 binding motif 1	1.31	0.0338
<i>Tanc1</i>	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	1.31	0.0106
<i>Sipa1</i>	signal-induced proliferation-associated 1	-1.31	0.0231
<i>Ctbs</i>	chitinase, di-N-acetyl-	-1.31	0.0002
<i>Aim1l</i>	absent in melanoma 1-like	-1.31	0.0445
<i>Prss54</i>	protease, serine, 54	-1.31	0.0277
<i>Rbl2</i>	retinoblastoma-like 2	-1.31	0.0229

<i>Usp36</i>	ubiquitin specific peptidase 36	-1.31	0.0311
<i>Ebna1bp2</i>	EBNA1 binding protein 2	-1.31	0.0145
<i>Cox11</i>	cytochrome c oxidase assembly protein 11	-1.31	0.0432
<i>Ralgapa1</i>	Ral GTPase activating protein, alpha subunit 1 (catalytic)	-1.31	0.0075
<i>Ptpn7</i>	protein tyrosine phosphatase, non-receptor type 7	-1.31	0.0390
<i>Cyp2d5</i>	cytochrome P450, family 2, subfamily d, polypeptide 5	-1.31	0.0056
<i>LOC100362690</i>	rCG64164-like	-1.31	0.0430
<i>Atrn</i>	attractin	-1.31	0.0387
<i>Arfp2</i>	ADP-ribosylation factor interacting protein 2	-1.31	0.0054
<i>LOC100360117</i>	ribosomal protein L8-like	-1.31	0.0240
<i>Stag1</i>	stromal antigen 1	-1.31	0.0158
<i>Pip5k1c</i>	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-1.31	0.0499
<i>Olr1606</i>	olfactory receptor 1606	-1.31	0.0336
<i>Fn1</i>	fibronectin 1	-1.31	0.0061
<i>Smc1a</i>	structural maintenance of chromosomes 1A	-1.31	0.0095
<i>LOC100910475</i>	uncharacterized LOC100910475	-1.31	0.0340
<i>Rlim</i>	ring finger protein, LIM domain interacting	-1.31	0.0386
<i>Akap8</i>	A kinase (PRKA) anchor protein 8	-1.31	0.0238
<i>Olr1591</i>	olfactory receptor 1591	-1.31	0.0089
<i>Dnajc1</i>	DnaJ (Hsp40) homolog, subfamily C, member 1	-1.31	0.0436
<i>Clec10a</i>	C-type lectin domain family 10, member A	-1.31	0.0146
<i>Card6</i>	caspase recruitment domain family, member 6	-1.31	0.0246
<i>Rnf145</i>	ring finger protein 145	-1.31	0.0477
<i>Cyp2s1</i>	cytochrome P450, family 2, subfamily s, polypeptide 1	-1.31	0.0196
<i>Lysmd3</i>	LysM, putative peptidoglycan-binding, domain containing 3	-1.31	0.0324
<i>LOC100911887</i>	zinc finger protein 569-like	-1.31	0.0446
<i>Wipi2</i>	WD repeat domain, phosphoinositide interacting 2	-1.31	0.0256
<i>Tram1</i>	translocation associated membrane protein 1	-1.31	0.0059
<i>Lag3</i>	lymphocyte-activation gene 3	-1.31	0.0453
<i>Wdfy2</i>	WD repeat and FYVE domain containing 2	-1.31	0.0328
<i>Tnks2</i>	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2 (Tnks2), mRNA	-1.31	0.0031
<i>Ugdh</i>	UDP-glucose 6-dehydrogenase	-1.31	0.0113
<i>Zfp239</i>	zinc finger protein 239 [Source:MGI Symbol;Acc:MGI:1306812]	-1.31	0.0176
<i>Mpp6</i>	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-1.32	0.0088
<i>Tcp1</i>	t-complex 1	-1.32	0.0000
<i>Tas2r138</i>	taste receptor, type 2, member 138	-1.32	0.0455
<i>Plrg1</i>	pleiotropic regulator 1	-1.32	0.0103
<i>Proc</i>	protein C	-1.32	0.0006
<i>LOC102553533</i>	DDB1- and CUL4-associated factor 5-like	-1.32	0.0113
<i>Slamf6</i>	SLAM family member 6	-1.32	0.0365
<i>LOC685718</i>	similar to tumor protein, translationally-controlled 1 [Source:RGD Symbol;Acc:1590250]	-1.32	0.0022
<i>Hoxb3</i>	homeo box B3	-1.32	0.0291
<i>Hyal4</i>	hyaluronoglucosaminidase 4	-1.32	0.0109
<i>Vom2r23</i>	vomer nasal 2 receptor, 23	-1.32	0.0439
<i>LOC689217</i>	similar to mRNA capping enzyme (HCE) (MCE1)	-1.32	0.0462
<i>Efs</i>	embryonal Fyn-associated substrate	-1.32	0.0190
<i>Bst1</i>	bone marrow stromal cell antigen 1	-1.32	0.0134
<i>Mxra7</i>	matrix-remodelling associated 7	-1.32	0.0030
<i>Ccnd2</i>	cyclin D2	-1.32	0.0160
<i>Epx</i>	eosinophil peroxidase	-1.32	0.0348
<i>Eml1</i>	echinoderm microtubule associated protein like 1	-1.32	0.0315
<i>Polr2j</i>	polymerase (RNA) II (DNA directed) polypeptide J	-1.32	0.0346
<i>Dhx37</i>	DEAH (Asp-Glu-Ala-His) box polypeptide 37	-1.32	0.0474
<i>Rp9</i>	retinitis pigmentosa 9	-1.32	0.0471
<i>Map3k2</i>	mitogen activated protein kinase kinase kinase 2	-1.32	0.0225
<i>LOC102553866</i>	zinc finger protein 764-like	-1.32	0.0034

<i>Asb18</i>	ankyrin repeat and SOCS box-containing 18	-1.32	0.0457
<i>Crisp2</i>	cysteine-rich secretory protein 2	-1.32	0.0172
<i>Ccdc109b</i>	coiled-coil domain containing 109B	-1.32	0.0461
<i>Faap100</i>	Fanconi anemia core complex associated protein 100	-1.32	0.0445
<i>Kansl2</i>	KAT8 regulatory NSL complex subunit 2	-1.32	0.0023
<i>Klk4</i>	kallikrein-related peptidase 4	-1.32	0.0079
<i>RGD1564883</i>	ENCODES a protein that exhibits structural constituent of ribosome (inferred)	-1.32	0.0440
<i>Tgm4</i>	transglutaminase 4	-1.32	0.0196
<i>Nlrp1a</i>	NLR family, pyrin domain containing 1A	-1.32	0.0329
<i>Lcorl</i>	ligand dependent nuclear receptor corepressor-like	-1.32	0.0027
<i>Arhgef10l</i>	Rho guanine nucleotide exchange factor (GEF) 10-like [Source:RGD Symbol;Acc:1585585]	-1.32	0.0028
<i>Gtpbp4</i>	GTP binding protein 4	-1.32	0.0270
<i>Nrxn3</i>	neurexin 3	-1.32	0.0012
<i>Senp7</i>	SUMO1/sentrin specific peptidase 7	-1.32	0.0342
<i>Zfp318</i>	zinc finger protein 318	-1.32	0.0354
<i>Kdm1a</i>	lysine (K)-specific demethylase 1A	-1.32	0.0237
<i>Nup98</i>	nucleoporin 98	-1.33	0.0001
<i>Pigv</i>	phosphatidylinositol glycan anchor biosynthesis, class V	-1.33	0.0369
<i>Clic5</i>	chloride intracellular channel 5	-1.33	0.0088
<i>Olr1733</i>	olfactory receptor 1733	-1.33	0.0298
<i>Otud4</i>	OTU deubiquitinase 4	-1.33	0.0100
<i>Arhgef18</i>	rho/rac guanine nucleotide exchange factor (GEF) 18	-1.33	0.0282
<i>Dcaf5</i>	DDB1 and CUL4 associated factor 5	-1.33	0.0102
<i>Zfp84</i>	zinc finger protein 84	-1.33	0.0134
<i>Zmynd10</i>	zinc finger, MYND-type containing 10	-1.33	0.0322
<i>LOC100911260</i>	host cell factor 1-like	-1.33	0.0264
<i>LOC102550668</i>	INTERACTS WITH cisplatin (ortholog) AND cobalt dichloride (ortholog) AND copper(2+) sulfate (ortholog)	-1.33	0.0122
<i>LOC102546322</i>	COPII coat assembly protein sec16-like	-1.33	0.0159
<i>Cadps2</i>	Ca ⁺⁺ -dependent secretion activator 2	-1.33	0.0010
<i>Tbpl1</i>	TBP-like 1	-1.33	0.0012
<i>Sox21</i>	ENCODES a protein that exhibits DNA binding (ortholog)	-1.33	0.0108
<i>Pou2f2</i>	POU class 2 homeobox 2	-1.33	0.0384
<i>Tmem38b</i>	transmembrane protein 38B	-1.33	0.0285
<i>Plxnb2</i>	plexin B2	-1.33	0.0337
<i>Olr1451</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.33	0.0081
<i>St6galnac6</i>	ST6 (alpha-N-acetyl-neuraminy1-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 6	-1.33	0.0198
<i>Cela1</i>	chymotrypsin-like elastase family, member 1	-1.33	0.0435
<i>Olr423</i>	olfactory receptor 423	-1.33	0.0462
<i>Apcdd1l</i>	adenomatosis polyposis coli down-regulated 1-like	-1.33	0.0150
<i>Hirip3</i>	HIRA interacting protein 3	-1.33	0.0122
<i>Prkce</i>	protein kinase C, epsilon	-1.33	0.0208
<i>Chac2</i>	ChaC, cation transport regulator homolog 2 (E. coli)	-1.33	0.0280
<i>Sec61a1</i>	Sec61 translocon alpha 1 subunit	-1.33	0.0076
<i>Dleu2</i>	deleted in lymphocytic leukemia 2	-1.33	0.0447
<i>RGD1305733</i>	similar to RIKEN cDNA 2900011O08	-1.33	0.0101
<i>Dock9</i>	dedicator of cytokinesis 9	-1.33	0.0120
<i>Gmfb</i>	glia maturation factor, beta	-1.33	0.0400
<i>Dnajc3</i>	DnaJ (Hsp40) homolog, subfamily C, member 3	-1.33	0.0262
<i>Atad2b</i>	ATPase family, AAA domain containing 2B	-1.33	0.0205
<i>Lrch1</i>	leucine-rich repeats and calponin homology (CH) domain containing 1	-1.33	0.0186
<i>Vps9d1</i>	VPS9 domain containing 1	-1.33	0.0415
<i>Prss29</i>	protease, serine, 29 [Source:RGD Symbol;Acc:1305856]	-1.33	0.0479
<i>Zfx4</i>	zinc finger homeobox 4	-1.33	0.0319
<i>Porcn</i>	porcupine homolog (Drosophila)	-1.33	0.0108

<i>Myo9b</i>	myosin IXb	-1.34	0.0479
<i>Ddx56</i>	DEAD (Asp-Glu-Ala-Asp) box helicase 56	-1.34	0.0323
<i>Sox6</i>	SRY box 6	-1.34	0.0292
<i>Apcs</i>	amyloid P component, serum	-1.34	0.0437
<i>Igsf5</i>	immunoglobulin superfamily, member 5	-1.34	0.0091
<i>Znhit6</i>	zinc finger, HIT-type containing 6	-1.34	0.0051
<i>Mphosph8</i>	M-phase phosphoprotein 8	-1.34	0.0344
<i>Col18a1</i>	collagen, type XVIII, alpha 1	-1.34	0.0059
<i>Rdh7</i>	retinol dehydrogenase 7	-1.34	0.0058
<i>Ptprg</i>	protein tyrosine phosphatase, receptor type, G	-1.34	0.0256
<i>Snx10</i>	sorting nexin 10	-1.34	0.0034
<i>Olr1621</i>	olfactory receptor 1621	-1.34	0.0248
<i>Gmppa</i>	GDP-mannose pyrophosphorylase A	-1.34	0.0401
<i>Pls3</i>	plastin 3	-1.34	0.0253
<i>Camkk2</i>	calcium/calmodulin-dependent protein kinase kinase 2, beta	-1.34	0.0332
<i>Scn1b</i>	sodium channel, voltage-gated, type I, beta subunit	-1.34	0.0408
<i>RGD1307443</i>	similar to mKIAA0319 protein	-1.34	0.0429
<i>Slc44a5</i>	solute carrier family 44, member 5	-1.34	0.0145
<i>LOC100909934</i>	60S acidic ribosomal protein P0-like	-1.34	0.0109
<i>Sirt1</i>	Protein Sirt1	-1.34	0.0026
<i>LOC102555551</i>	uncharacterized LOC102555551	-1.34	0.0206
<i>Scn9a</i>	sodium channel, voltage-gated, type IX, alpha subunit	-1.34	0.0175
<i>Upb1</i>	ureidopropionase, beta	-1.34	0.0044
<i>Syvn1</i>	synovial apoptosis inhibitor 1, synoviolin	-1.34	0.0113
<i>Fam19a4</i>	family with sequence similarity 19 (chemokine (C-C motif)-like), member A4	-1.34	0.0392
<i>Tfap2c</i>	transcription factor AP-2 gamma	-1.34	0.0377
<i>Olr1247</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.34	0.0150
<i>Olr1247</i>	olfactory receptor 1247	-1.34	0.0150
<i>Sox13</i>	SRY box 13	-1.34	0.0349
<i>Phkg2</i>	phosphorylase kinase, gamma 2 (testis)	-1.34	0.0024
<i>Epdrl</i>	ependymin related 1	-1.34	0.0134
<i>Topors</i>	topoisomerase I binding, arginine/serine-rich, E3 ubiquitin protein ligase	-1.34	0.0020
<i>Pfkip</i>	phosphofructokinase, platelet	-1.35	0.0240
<i>Ccdc185</i>	coiled-coil domain containing 185	-1.35	0.0283
<i>Vom1r55</i>	vomeroneural 1 receptor 55	-1.35	0.0438
<i>Tspan12</i>	tetraspanin 12	-1.35	0.0224
<i>Spca2</i>	signal peptidase complex subunit 2	-1.35	0.0195
<i>Olr312</i>	olfactory receptor 312	-1.35	0.0224
<i>LOC688657</i>	similar to Olfactory receptor 5D13	-1.35	0.0194
<i>Krtap31-1</i>	keratin associated protein 31-1	-1.35	0.0405
<i>Krt81</i>	keratin 81, type II	-1.35	0.0290
<i>Smpdl3a</i>	sphingomyelin phosphodiesterase, acid-like 3A	-1.35	0.0301
<i>Dlk1</i>	delta-like 1 homolog (Drosophila)	-1.35	0.0134
<i>Rplp2</i>	ribosomal protein, large P2	-1.35	0.0070
<i>Sdc2</i>	syndecan 2	-1.35	0.0001
<i>Polr1a</i>	polymerase (RNA) I polypeptide A	-1.35	0.0204
<i>Spen</i>	spen family transcriptional repressor	-1.35	0.0334
<i>LOC689412</i>	similar to CG4025-PA	-1.35	0.0450
<i>LOC100910021</i>	phosphatidylinositol 45-bisphosphate 3-kinase catalytic subunit beta isoform-like	-1.35	0.0052
<i>Kif24</i>	kinesin family member 24	-1.35	0.0008
<i>Cops8</i>	COP9 signalosome subunit 8	-1.35	0.0017
<i>LOC102553962</i>	KRAB domain-containing protein ZNF747-like	-1.35	0.0181
<i>LOC100911032</i>	uncharacterized LOC100911032	-1.35	0.0375
<i>Fam183b</i>	family with sequence similarity 183, member B	-1.35	0.0323
<i>Kpna7</i>	karyopherin alpha 7	-1.35	0.0060
<i>Cd83</i>	CD83 molecule	-1.35	0.0357
<i>Epc2</i>	enhancer of polycomb homolog 2 (Drosophila)	-1.35	0.0010

<i>Vegfa</i>	vascular endothelial growth factor A	-1.35	0.0056
<i>Cep120</i>	centrosomal protein 120	-1.36	0.0165
<i>Ttyh3</i>	tweety family member 3	-1.36	0.0251
<i>Nol8</i>	nucleolar protein 8	-1.36	0.0005
<i>Jmjd1c</i>	jumonji domain containing 1C	-1.36	0.0117
<i>Tango6</i>	transport and golgi organization 6 homolog	-1.36	0.0079
<i>Slc33a1</i>	solute carrier family 33 (acetyl-CoA transporter), member 1	-1.36	0.0137
<i>LOC102552483</i>	uncharacterized LOC102552483	-1.36	0.0034
<i>Hinfp</i>	histone H4 transcription factor	-1.36	0.0202
<i>Acadm</i>	acyl-CoA dehydrogenase, C-4 to C-12 straight chain	-1.36	0.0180
<i>LOC100912366</i>	uncharacterized LOC100912366	-1.36	0.0443
<i>Bbs9</i>	INVOLVED IN cilium assembly (ortholog)	-1.36	0.0326
<i>Slco1a1</i>	solute carrier organic anion transporter family, member 1a1	-1.36	0.0074
<i>Stim2</i>	stromal interaction molecule 2	-1.36	0.0133
<i>Mfsd8</i>	major facilitator superfamily domain containing 8	-1.36	0.0246
<i>LOC300308</i>	similar to hypothetical protein 4930509O22	-1.36	0.0017
<i>LOC100909486</i>	putative SMEK homolog 3-like	-1.36	0.0019
<i>Fmo6</i>	flavin containing monooxygenase 6	-1.36	0.0123
<i>LOC103694381</i>	lymphotoxin-beta	-1.36	0.0250
<i>RGD1559909</i>	RGD1559909	-1.36	0.0253
<i>AABR07054451.1</i>	---	-1.36	0.0489
<i>Ube2b</i>	ubiquitin-conjugating enzyme E2B	-1.36	0.0082
<i>Pcbp4</i>	poly(rC) binding protein 4	-1.36	0.0472
<i>Pdia6</i>	protein disulfide isomerase family A, member 6	-1.36	0.0046
<i>Pik3c3</i>	phosphatidylinositol 3-kinase, catalytic subunit type 3	-1.36	0.0209
<i>Dnaaf2</i>	dynein, axonemal, assembly factor 2	-1.36	0.0447
<i>Arhgap44</i>	Rho GTPase activating protein 44	-1.36	0.0221
<i>Zfp131</i>	zinc finger protein 131	-1.36	0.0099
<i>LOC680394</i>	INTERACTS WITH 2 3 7 8-tetrachlorodibenzodioxine (ortholog)	-1.36	0.0364
<i>Ccdc162</i>	coiled-coil domain containing 162	-1.37	0.0315
<i>Dcun1d1</i>	DCN1, defective in cullin neddylation 1, domain containing 1 (<i>S. cerevisiae</i>) (<i>Dcun1d1</i>), mRNA.	-1.37	0.0156
<i>Ivns1abp</i>	influenza virus NS1A binding protein	-1.37	0.0117
<i>Fam179b</i>	family with sequence similarity 179, member B	-1.37	0.0272
<i>Tnrc6c</i>	trinucleotide repeat containing 6C	-1.37	0.0140
<i>Olr1583</i>	olfactory receptor 1583	-1.37	0.0124
<i>Il6st</i>	interleukin 6 signal transducer	-1.37	0.0033
<i>Nlr4</i>	NLR family, CARD domain containing 4	-1.37	0.0047
<i>Pik3cb</i>	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	-1.37	0.0007
<i>Slc7a4</i>	solute carrier family 7, member 4	-1.37	0.0085
<i>Brd2</i>	bromodomain containing 2	-1.37	0.0108
<i>Nfe2l2</i>	nuclear factor, erythroid 2-like 2	-1.37	0.0198
<i>Nt5c3b</i>	5-nucleotidase, cytosolic IIIB	-1.37	0.0227
<i>Syce3</i>	synaptonemal complex central element protein 3	-1.37	0.0080
<i>LOC102547287</i>	zinc finger protein 728-like	-1.37	0.0344
<i>Tmem164</i>	transmembrane protein 164	-1.37	0.0429
<i>Six5</i>	Protein Six5	-1.37	0.0083
<i>RGD1564149</i>	similar to Protein C21orf58	-1.37	0.0036
<i>Eml4</i>	echinoderm microtubule associated protein like 4	-1.37	0.0372
<i>LOC100363537</i>	ribosomal protein L10a-like [Source:RGD Symbol;Acc:2322811]	-1.37	0.0462
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<i>Olr505</i>	olfactory receptor 505	-1.37	0.0110
<i>LOC100363408</i>	INTERACTS WITH all-trans-retinoic acid (ortholog) AND amiodarone (ortholog) AND hydrogen peroxide (ortholog)	-1.37	0.0244
<i>Nlrp12</i>	NLR family, pyrin domain containing 12	-1.37	0.0319
<i>Kdm6a</i>	lysine (K)-specific demethylase 6A	-1.37	0.0174
<i>Rrnad1</i>	ribosomal RNA adenine dimethylase domain containing 1	-1.37	0.0297

<i>Slc7a1</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-1.37	0.0293
<i>Tank</i>	TRAF family member-associated NFKB activator	-1.37	0.0168
<i>Gja6</i>	gap junction protein, alpha 6	-1.37	0.0378
<i>Olr25</i>	olfactory receptor 25	-1.38	0.0058
<i>Nek3</i>	NIMA-related kinase 3 [Source:RGD Symbol;Acc:1307419]	-1.38	0.0148
<i>RGD1564614</i>	similar to complement factor H-related protein	-1.38	0.0006
<i>Srsf7</i>	serine/arginine-rich splicing factor 7	-1.38	0.0115
<i>Jmy</i>	junction-mediating and regulatory protein	-1.38	0.0062
<i>Dpyd</i>	dihydropyrimidine dehydrogenase	-1.38	0.0084
<i>Rlf</i>	rearranged L-myc fusion	-1.38	0.0001
<i>Gne</i>	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	-1.38	0.0430
<i>Bbs2</i>	Bardet-Biedl syndrome 2	-1.38	0.0295
<i>RGD1565002</i>	similar to Dehydrogenase/reductase SDR family member 7 precursor (Retinal short-chain dehydrogenase/reductase 4)	-1.38	0.0150
<i>LOC103694398</i>	keratin-associated protein 10-1-like	-1.38	0.0478
<i>RGD1310257</i>	similar to RIKEN cDNA 6330408A02 gene	-1.38	0.0136
<i>Elavl3</i>	ELAV like neuron-specific RNA binding protein 3	-1.38	0.0226
<i>Olr1376</i>	olfactory receptor 1376	-1.38	0.0435
<i>Flcn</i>	folliculin	-1.38	0.0239
<i>Lpo</i>	lactoperoxidase	-1.38	0.0093
<i>Ldhd</i>	lactate dehydrogenase D	-1.38	0.0347
<i>Klk1c8</i>	kallikrein 1-related peptidase C8	-1.38	0.0055
<i>Trappc6b</i>	trafficking protein particle complex 6B	-1.38	0.0079
<i>Oser1</i>	oxidative stress responsive serine-rich 1	-1.38	0.0267
<i>Crygd</i>	crystallin, gamma D	-1.38	0.0387
<i>Zc2hc1c</i>	zinc finger, C2HC-type containing 1C	-1.38	0.0474
<i>Os9</i>	osteosarcoma amplified 9, endoplasmic reticulum lectin	-1.38	0.0013
<i>Slc38a3</i>	solute carrier family 38, member 3	-1.38	0.0030
<i>06. Mrz</i>	membrane-associated ring finger (C3HC4) 6, E3 ubiquitin protein ligase	-1.38	0.0151
<i>ErbB3</i>	erb-b2 receptor tyrosine kinase 3	-1.38	0.0316
<i>Arsb</i>	arylsulfatase B	-1.39	0.0170
<i>Ccnl1</i>	cyclin L1	-1.39	0.0229
<i>Sidt1</i>	SID1 transmembrane family, member 1	-1.39	0.0325
<i>Snape1</i>	small nuclear RNA activating complex, polypeptide 1	-1.39	0.0054
<i>Rlim</i>	ring finger protein, LIM domain interacting	-1.39	0.0127
<i>Antxr2</i>	anthrax toxin receptor 2	-1.39	0.0109
<i>Ctdsp2</i>	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:RGD Symbol;Acc:2319209]	-1.39	0.0489
<i>Tspy12</i>	TSPY-like 2	-1.39	0.0358
<i>Ly6h</i>	lymphocyte antigen 6 complex, locus H	-1.39	0.0019
<i>Iqcb1</i>	IQ motif containing B1	-1.39	0.0050
<i>Sphk1</i>	sphingosine kinase 1	-1.39	0.0050
<i>Whsc1l1</i>	Wolf-Hirschhorn syndrome candidate 1-like 1	-1.39	0.0081
<i>Itpr2</i>	inositol 1,4,5-trisphosphate receptor, type 2	-1.39	0.0119
<i>Snx20</i>	sorting nexin 20	-1.39	0.0058
<i>Pros1</i>	protein S (alpha)	-1.39	0.0004
<i>Tc2n</i>	tandem C2 domains, nuclear	-1.39	0.0198
<i>Tmem63b</i>	transmembrane protein 63B	-1.39	0.0120
<i>RGD1562265</i>	similar to ribosomal protein S12 [Source:RGD Symbol;Acc:1562265]	-1.39	0.0004
<i>Blcap</i>	bladder cancer associated protein	-1.39	0.0250
<i>Nhlrc2</i>	NHL repeat containing 2	-1.39	0.0490
<i>Dll1</i>	delta-like 1 (Drosophila)	-1.39	0.0333
<i>Dopey2</i>	dopey family member 2	-1.39	0.0035
<i>LOC686677</i>	similar to olfactory receptor 1161	-1.39	0.0239
<i>Ugt2b35</i>	UDP glucuronosyltransferase 2 family, polypeptide B35	-1.39	0.0019
<i>RT1-T18</i>	RT1 class Ib, locus T18	-1.39	0.0031
<i>Krtap9-1</i>	keratin associated protein 9-1 [Source:RGD Symbol;Acc:1593000]	-1.39	0.0025

<i>Zfp496</i>	zinc finger protein 496	-1.40	0.0088
<i>Sv2b</i>	synaptic vesicle glycoprotein 2b	-1.40	0.0235
<i>Pink1</i>	PTEN induced putative kinase 1	-1.40	0.0119
<i>Nfat5</i>	ENCODES a protein that exhibits DNA binding (ortholog)	-1.40	0.0064
<i>Ccnt1</i>	cyclin T1	-1.40	0.0120
<i>Olr1060</i>	olfactory receptor 1060	-1.40	0.0354
<i>Mef2a</i>	myocyte enhancer factor 2a	-1.40	0.0046
<i>Cps1</i>	carbamoyl-phosphate synthetase 1	-1.40	0.0034
<i>Brd2</i>	bromodomain containing 2 [Source:RGD Symbol;Acc:1303324]	-1.40	0.0364
<i>Gapvd1</i>	GTPase activating protein and VPS9 domains 1	-1.40	0.0019
<i>Tnks2</i>	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	-1.40	0.0013
<i>Wdsub1</i>	WD repeat, sterile alpha motif and U-box domain containing 1	-1.40	0.0142
<i>RGD1560112</i>	similar to Urinary protein 2 precursor (RUP-2)	-1.40	0.0131
<i>St8sia3</i>	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3	-1.40	0.0003
<i>Txndc5</i>	thioredoxin domain containing 5 (endoplasmic reticulum)	-1.40	0.0108
<i>Olr1668</i>	olfactory receptor 1668	-1.40	0.0172
<i>Cpeb4</i>	cytoplasmic polyadenylation element binding protein 4	-1.40	0.0384
<i>Gpr55</i>	G protein-coupled receptor 55	-1.40	0.0157
<i>Sec14l2</i>	SEC14-like lipid binding 2	-1.40	0.0274
<i>LOC102553248</i>	uncharacterized LOC102553248	-1.40	0.0027
<i>Sbp</i>	spermine binding protein	-1.40	0.0406
<i>Hip1r</i>	huntingtin interacting protein 1 related	-1.40	0.0360
<i>Dnajc25</i>	DnaJ (Hsp40) homolog, subfamily C, member 25	-1.40	0.0048
<i>RT1-A</i>	RT1 class I, locus A	-1.40	0.0131
<i>Ang</i>	angiogenin, ribonuclease, RNase A family, 5	-1.40	0.0004
<i>Baat</i>	bile acid CoA:amino acid N-acyltransferase	-1.40	0.0003
<i>Olr336</i>	olfactory receptor 336	-1.41	0.0307
<i>Rnf169</i>	ring finger protein 169	-1.41	0.0469
<i>Srrd</i>	SRR1 domain containing	-1.41	0.0081
<i>Ang2</i>	angiogenin, ribonuclease A family, member 2	-1.41	0.0067
<i>Lrrc69</i>	leucine rich repeat containing 69	-1.41	0.0466
<i>LOC500077</i>	similar to RIKEN cDNA 3110062M04	-1.41	0.0200
<i>Rel</i>	Protein Rel	-1.41	0.0049
<i>Slc2a8</i>	solute carrier family 2, (facilitated glucose transporter) member 8	-1.41	0.0085
<i>LOC100359876</i>	ENCODES a protein that exhibits ATP binding (inferred)	-1.41	0.0468
<i>Tmem43</i>	transmembrane protein 43	-1.41	0.0468
<i>Cd8a</i>	CD8a molecule	-1.41	0.0112
<i>Epb41l1</i>	erythrocyte membrane protein band 4.1-like 1	-1.41	0.0127
<i>Abo</i>	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)	-1.41	0.0354
<i>Acox3</i>	acyl-CoA oxidase 3, pristanoyl	-1.41	0.0056
<i>Cyp2g1</i>	cytochrome P450, family 2, subfamily g, polypeptide 1	-1.41	0.0047
<i>Sorbs2</i>	sorbin and SH3 domain containing 2	-1.41	0.0455
<i>LOC102550789</i>	RING finger protein C14orf164 homolog	-1.41	0.0322
<i>LOC100360157</i>	1110034B05Rik protein-like	-1.41	0.0419
<i>Impdh2</i>	IMP (inosine 5-monophosphate) dehydrogenase 2	-1.41	0.0164
<i>Bin2</i>	bridging integrator 2	-1.41	0.0126
<i>Arhgap42</i>	Rho GTPase activating protein 42	-1.41	0.0236
<i>Isl2</i>	ISL LIM homeobox 2	-1.41	0.0018
<i>Capns1</i>	ENCODES a protein that exhibits calcium-dependent cysteine-type endopeptidase activity	-1.41	0.0408
<i>Tgm1</i>	transglutaminase 1	-1.41	0.0043
<i>Adamts7</i>	ADAM metallopeptidase with thrombospondin type 1 motif, 7	-1.41	0.0109
<i>Ogfrl1</i>	opioid growth factor receptor-like 1	-1.41	0.0032
<i>Clip4</i>	CAP-GLY domain containing linker protein family, member 4	-1.41	0.0376
<i>Vipr1</i>	vasoactive intestinal peptide receptor 1	-1.41	0.0075
<i>Samt4</i>	spermatogenesis associated multipass transmembrane protein 4	-1.41	0.0460

<i>Abca6</i>	ATP-binding cassette, subfamily A (ABC1), member 6	-1.41	0.0112
<i>Kat2b</i>	K(lysine) acetyltransferase 2B	-1.41	0.0235
<i>LOC100912024</i>	uncharacterized LOC100912024 [Source:RGD Symbol;Acc:6489434]	-1.42	0.0347
<i>LOC102546342</i>	uncharacterized LOC102546342	-1.42	0.0397
<i>Paics</i>	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	-1.42	0.0085
<i>RGD1565806</i>	similar to 60S ribosomal protein L23a	-1.42	0.0425
<i>Eqtn</i>	equatorin, sperm acrosome associated	-1.42	0.0068
<i>Olr1737</i>	olfactory receptor 1737	-1.42	0.0235
<i>Dock4</i>	dedicator of cytokinesis 4 [Source:RGD Symbol;Acc:1561724]	-1.42	0.0498
<i>Slc2a12</i>	solute carrier family 2 (facilitated glucose transporter), member 12	-1.42	0.0403
---	Uncharacterized protein	-1.42	0.0175
<i>Srf</i>	serum response factor	-1.42	0.0407
<i>Naa25</i>	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	-1.42	0.0050
<i>LOC686084</i>	similar to CG32580-PA	-1.42	0.0135
<i>LOC680700</i>	similar to ribosomal protein L10a [Source:RGD Symbol;Acc:1588266]	-1.42	0.0346
<i>Fndc3a</i>	fibronectin type III domain containing 3a	-1.42	0.0007
<i>Nr4a2</i>	nuclear receptor subfamily 4, group A, member 2	-1.42	0.0148
<i>Rbm15</i>	RNA binding motif protein 15	-1.42	0.0235
<i>Cdkl5</i>	cyclin-dependent kinase-like 5	-1.42	0.0376
<i>NONMMUG03</i> 2780	Non-coding transcript identified by NONCODE: Linc	-1.42	0.0301
<i>Tirap</i>	toll-interleukin 1 receptor (TIR) domain-containing adaptor protein	-1.42	0.0353
<i>Atp2c1</i>	ATPase, Ca++ transporting, type 2C, member 1	-1.43	0.0159
<i>Tas2r129</i>	taste receptor, type 2, member 129	-1.43	0.0039
<i>Dip2c</i>	disco-interacting protein 2 homolog C	-1.43	0.0153
<i>Klrc1</i>	killer cell lectin-like receptor subfamily C, member 1	-1.43	0.0492
<i>Dbnnd2</i>	dysbindin (dystrobrevin binding protein 1) domain containing 2	-1.43	0.0267
<i>Gltsr1l</i>	GLTSCR1-like	-1.43	0.0123
<i>Agbl1</i>	ATP/GTP binding protein-like 1 [Source:RGD Symbol;Acc:1560280]	-1.43	0.0043
<i>Pogk</i>	pogo transposable element with KRAB domain	-1.43	0.0096
<i>LOC689574</i>	hypothetical protein LOC689574	-1.43	0.0121
<i>Ssr4</i>	signal sequence receptor, delta	-1.43	0.0022
<i>Chp1</i>	calcineurin-like EF-hand protein 1	-1.43	0.0083
<i>Pblld2</i>	INTERACTS WITH 17beta-estradiol (ortholog) AND 2 3 7 8- tetrachlorodibenzodioxine (ortholog) AND aflatoxin B1 (ortholog)	-1.43	0.0254
<i>Arhgap6</i>	Rho GTPase activating protein 6	-1.43	0.0091
---	Uncharacterized protein	-1.43	0.0224
<i>Arl4d</i>	ADP-ribosylation factor-like 4D	-1.43	0.0053
<i>Apol11a</i>	apolipoprotein L 11a	-1.43	0.0241
<i>Klrc3</i>	killer cell lectin-like receptor subfamily C, member 3	-1.43	0.0489
<i>Gramd1c</i>	GRAM domain containing 1C	-1.43	0.0245
<i>Dtx1</i>	deltex 1, E3 ubiquitin ligase	-1.43	0.0127
<i>Zcchc2</i>	zinc finger, CCHC domain containing 2	-1.43	0.0444
<i>Nr1h4</i>	nuclear receptor subfamily 1, group H, member 4	-1.43	0.0158
<i>Trip13</i>	thyroid hormone receptor interactor 13	-1.44	0.0243
<i>LOC100910308</i>	INTERACTS WITH 1-chloro-2 4-dinitrobenzene (ortholog) AND 17beta- estradiol (ortholog) AND 2 3 7 8-tetrachlorodibenzodioxine (ortholog)	-1.44	0.0498
<i>Olr1</i>	oxidized low density lipoprotein (lectin-like) receptor 1	-1.44	0.0297
<i>Alox5ap</i>	arachidonate 5-lipoxygenase activating protein	-1.44	0.0108
<i>Ppp2r3a</i>	protein phosphatase 2, regulatory subunit B, alpha	-1.44	0.0079
<i>Olr281</i>	olfactory receptor 281 (Olr281), mRNA	-1.44	0.0069
<i>Gstm6</i>	glutathione S-transferase, mu 6	-1.44	0.0050
<i>Rnf40</i>	ring finger protein 40, E3 ubiquitin protein ligase	-1.44	0.0145
<i>RGD1559979</i>	similar to APH1B homolog (C.elegans)	-1.44	0.0303
<i>Rnf148</i>	ring finger protein 148	-1.44	0.0095
<i>Gmeb1</i>	glucocorticoid modulatory element binding protein 1 (Gmeb1), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	-1.44	0.0404

<i>Olr964</i>	olfactory receptor 964	-1.44	0.0008
<i>Ppm1l</i>	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1L	-1.44	0.0167
<i>Mafg</i>	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog G	-1.44	0.0117
<i>Gk</i>	glycerol kinase	-1.44	0.0230
<i>Arl5b</i>	ADP-ribosylation factor-like 5B	-1.44	0.0140
<i>LOC100361579</i>	prolactin family 5 subfamily a member 2-like	-1.44	0.0117
<i>Paxbp1</i>	PAX3 and PAX7 binding protein 1	-1.44	0.0093
<i>Sycp1</i>	synaptonemal complex protein 1	-1.44	0.0255
<i>Tmem246</i>	transmembrane protein 246	-1.44	0.0060
<i>Hs3st3b1</i>	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-1.44	0.0381
<i>Fzd3</i>	frizzled class receptor 3	-1.45	0.0284
<i>Ang2</i>	angiogenin, ribonuclease A family, member 2	-1.45	0.0001
<i>Nkg7</i>	natural killer cell granule protein 7	-1.45	0.0200
<i>Cept1</i>	choline/ethanolamine phosphotransferase 1	-1.45	0.0006
<i>Qtrtd1</i>	Protein Qtrtd1	-1.45	0.0451
<i>Wasf1</i>	WAS protein family, member 1	-1.45	0.0054
<i>Slc35e2b</i>	solute carrier family 35, member E2B	-1.45	0.0166
<i>Dock7</i>	dedicator of cytokinesis 7	-1.45	0.0192
<i>Gclm</i>	glutamate cysteine ligase, modifier subunit	-1.45	0.0172
<i>Lpar1</i>	lysophosphatidic acid receptor 1	-1.45	0.0291
<i>Ar</i>	androgen receptor	-1.45	0.0317
<i>LOC689499</i>	similar to Y97E10AL.1	-1.45	0.0387
<i>Dhrs3</i>	dehydrogenase/reductase (SDR family) member 3	-1.45	0.0436
<i>Rhbd12</i>	rhomboid, veinlet-like 2 (Drosophila)	-1.45	0.0008
<i>Phf19</i>	PHD finger protein 19	-1.46	0.0403
<i>Pygo2</i>	pygopus family PHD finger 2	-1.46	0.0302
<i>Sgpl1</i>	sphingosine-1-phosphate lyase 1	-1.46	0.0196
<i>Ly49i5</i>	Ly49 inhibitory receptor 5	-1.46	0.0231
<i>Cep112</i>	centrosomal protein 112kDa	-1.46	0.0041
<i>Ctsc</i>	cathepsin C	-1.46	0.0002
<i>Triap1</i>	TP53 regulated inhibitor of apoptosis 1	-1.46	0.0378
<i>Ppp1r2</i>	protein phosphatase 1, regulatory (inhibitor) subunit 2	-1.46	0.0019
<i>Olr1682</i>	olfactory receptor 1682	-1.46	0.0350
<i>Neo1</i>	Neogenin	-1.46	0.0126
<i>Ddx39a</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A	-1.46	0.0259
<i>Smc6</i>	structural maintenance of chromosomes 6	-1.46	0.0049
<i>Phyh</i>	phytanoyl-CoA 2-hydroxylase	-1.46	0.0147
<i>Rpl18a</i>	ribosomal protein L18A	-1.46	0.0078
<i>LOC102554977</i>	INTERACTS WITH cisplatin (ortholog) AND progesterone (ortholog)	-1.46	0.0293
<i>Olr329</i>	olfactory receptor 329	-1.46	0.0015
<i>Ssfa2</i>	sperm specific antigen 2	-1.46	0.0356
<i>Glod5</i>	glyoxalase domain containing 5	-1.47	0.0442
<i>Cyp4f6</i>	cytochrome P450, family 4, subfamily f, polypeptide 6	-1.47	0.0002
<i>Cd302</i>	CD302 molecule	-1.47	0.0000
<i>Cflar</i>	CASP8 and FADD-like apoptosis regulator	-1.47	0.0086
<i>Zfp84</i>	zinc finger protein 84	-1.47	0.0034
<i>Slc50a1</i>	solute carrier family 50 (sugar efflux transporter), member 1	-1.47	0.0086
<i>Mt4</i>	metallothionein 4	-1.47	0.0278
<i>Actn2</i>	actinin alpha 2	-1.47	0.0202
<i>Kmo</i>	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	-1.47	0.0021
<i>Ripk1</i>	receptor (TNFRSF)-interacting serine-threonine kinase 1	-1.47	0.0022
<i>Usp1</i>	ubiquitin specific peptidase 1	-1.47	0.0025
<i>Ppp1r15a</i>	protein phosphatase 1, regulatory subunit 15A	-1.47	0.0099
<i>Sh2d1a</i>	SH2 domain containing 1A	-1.47	0.0039
<i>Unc79</i>	INVOLVED IN adult behavior (ortholog)	-1.47	0.0246
<i>Fcna</i>	ficolin A	-1.47	0.0352
<i>Zfp1</i>	zinc finger protein 1	-1.47	0.0221
<i>RGD1311447</i>	LOC363276	-1.47	0.0262

<i>RGD1565088</i>	similar to UPF0197 protein C11orf10 homolog	-1.47	0.0221
<i>Rngtt</i>	RNA guanylyltransferase and 5-phosphatase	-1.47	0.0035
<i>RT1-CE10</i>	RT1 class I, locus CE10	-1.47	0.0249
<i>Lpar2</i>	lysophosphatidic acid receptor 2	-1.47	0.0112
<i>LOC102556148</i>	ENCODES a protein that exhibits N-acetyltransferase activity (inferred) AND INVOLVED IN metabolic process (inferred)	-1.48	0.0244
<i>Cd300lf</i>	Cd300 molecule-like family member F	-1.48	0.0078
<i>Rpl22l2</i>	ribosomal protein L22-like 2 [Source:RGD Symbol;Acc:1590585]	-1.48	0.0151
<i>Atg13</i>	autophagy related 13	-1.48	0.0059
<i>Eps8l2</i>	EPS8-like 2	-1.48	0.0413
<i>N4bp2</i>	NEDD4 binding protein 2	-1.48	0.0128
<i>Ehd3</i>	EH-domain containing 3	-1.48	0.0222
<i>Ctsl</i>	cathepsin L	-1.48	0.0249
<i>Il1rapl1</i>	interleukin 1 receptor accessory protein-like 1	-1.48	0.0126
<i>Olr1399</i>	olfactory receptor 1399	-1.48	0.0158
<i>Txndc11</i>	thioredoxin domain containing 11	-1.48	0.0003
<i>Me3</i>	malic enzyme 3, NADP(+)-dependent, mitochondrial	-1.48	0.0038
<i>Poglut1</i>	protein O-glucosyltransferase 1	-1.49	0.0008
<i>Susd1</i>	INTERACTS WITH indole-3-methanol AND thioacetamide AND 2 3 7 8- tetrachlorodibenzodioxine (ortholog)	-1.49	0.0421
<i>RGD1560556</i>	similar to C14orf25 protein	-1.49	0.0257
<i>Nuggc</i>	nuclear GTPase, germinal center associated	-1.49	0.0441
<i>Zfp874b</i>	zinc finger protein 874b	-1.49	0.0334
<i>Abcb4</i>	ATP-binding cassette, subfamily B (MDR/TAP), member 4	-1.49	0.0376
<i>C1rl</i>	complement component 1, r subcomponent-like	-1.49	0.0007
<i>Dpy19l3</i>	dpy-19-like 3 (C. elegans)	-1.49	0.0284
<i>Taf1c</i>	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	-1.49	0.0061
<i>Ints6</i>	integrator complex subunit 6	-1.49	0.0109
<i>Ipo4</i>	importin 4	-1.49	0.0031
<i>Slc25a13</i>	solute carrier family 25 (aspartate/glutamate carrier), member 13 [Source:RGD Symbol;Acc:1565889]	-1.49	0.0001
<i>C6</i>	complement component 6	-1.50	0.0174
<i>Dbr1</i>	debranching RNA lariats 1	-1.50	0.0033
<i>Ms4a5</i>	membrane-spanning 4-domains, subfamily A, member 5	-1.50	0.0319
<i>Lats2</i>	large tumor suppressor kinase 2	-1.50	0.0001
<i>LOC100363171</i>	histone variant H2al2-like	-1.50	0.0027
<i>Eif2ak2</i>	eukaryotic translation initiation factor 2-alpha kinase 2	-1.50	0.0260
<i>Xpnpep3</i>	X-prolyl aminopeptidase 3, mitochondrial	-1.50	0.0242
<i>Tcf7l2</i>	transcription factor 7-like 2 (T-cell specific, HMG-box)	-1.50	0.0354
<i>Olr1242</i>	olfactory receptor 1242	-1.51	0.0150
<i>Klf12</i>	Kruppel-like factor 12	-1.51	0.0247
<i>Olr483</i>	olfactory receptor 483	-1.51	0.0051
<i>Thumpd1</i>	THUMP domain containing 1	-1.51	0.0201
<i>Fam3a</i>	family with sequence similarity 3, member A	-1.51	0.0011
<i>Tmem47</i>	transmembrane protein 47	-1.51	0.0023
<i>Oas1i</i>	2'-5' oligoadenylate synthetase 1I	-1.51	0.0435
<i>Mllt3</i>	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3	-1.51	0.0424
<i>Birc2</i>	baculoviral IAP repeat-containing 2	-1.51	0.0115
<i>Ppp2r5e</i>	protein phosphatase 2, regulatory subunit B, epsilon isoform	-1.51	0.0007
<i>Adgrl2</i>	adhesion G protein-coupled receptor L2	-1.51	0.0051
<i>Nt5e</i>	5 nucleotidase, ecto	-1.51	0.0497
<i>Fads6</i>	fatty acid desaturase 6	-1.51	0.0124
<i>Dram2</i>	DNA-damage regulated autophagy modulator 2	-1.51	0.0036
<i>Preli2</i>	PRELI domain containing 2	-1.51	0.0448
<i>Map3k14</i>	mitogen-activated protein kinase kinase kinase 14	-1.51	0.0037
<i>Ahctf1</i>	AT hook containing transcription factor 1	-1.51	0.0153
<i>Cyp4f39</i>	cytochrome P450, family 4, subfamily f, polypeptide 39	-1.52	0.0278
<i>Olr281</i>	olfactory receptor 281	-1.52	0.0052

<i>Ddost</i>	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit (non-catalytic)	-1.52	0.0006
<i>LOC499136</i>	LRRGT00021	-1.52	0.0022
<i>Fshr</i>	follicle stimulating hormone receptor	-1.52	0.0076
<i>Map4k5</i>	mitogen-activated protein kinase kinase kinase kinase 5	-1.52	0.0031
<i>Alkbh1</i>	alkB homolog 1, histone H2A dioxygenase	-1.52	0.0112
<i>Usp12</i>	ubiquitin specific peptidase 12	-1.52	0.0009
<i>Arntl2</i>	aryl hydrocarbon receptor nuclear translocator-like 2	-1.52	0.0368
<i>Nup88</i>	nucleoporin 88	-1.52	0.0027
<i>RGD1565410</i>	similar to Ly6-C antigen gene	-1.52	0.0020
<i>Whamm</i>	WAS protein homolog associated with actin, golgi membranes and microtubules	-1.52	0.0021
<i>Gstm6l</i>	glutathione S-transferase, mu 6-like	-1.52	0.0040
<i>Ehbp1</i>	EH domain binding protein 1	-1.52	0.0133
<i>Ackr2</i>	atypical chemokine receptor 2	-1.53	0.0203
<i>Nxf2</i>	nuclear RNA export factor 2	-1.53	0.0007
<i>St3gal1</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	-1.53	0.0353
<i>Krt82</i>	keratin 82, type II	-1.53	0.0073
<i>Mapk14</i>	mitogen activated protein kinase 14	-1.53	0.0007
<i>LOC100909605</i>	serine protease inhibitor A3F-like [Source:RGD Symbol;Acc:6502633]	-1.53	0.0013
<i>Olr718</i>	olfactory receptor 718	-1.53	0.0310
<i>Irf9</i>	interferon regulatory factor 9	-1.53	0.0094
<i>LOC100909605</i>	serine protease inhibitor A3F-like [Source:RGD Symbol;Acc:6502633]	-1.53	0.0052
<i>Trak1</i>	trafficking protein, kinesin binding 1	-1.53	0.0156
<i>Gstm3</i>	glutathione S-transferase mu 3	-1.53	0.0169
<i>Klkb1</i>	kallikrein B, plasma 1	-1.53	0.0004
<i>Fgfr1l</i>	fibroblast growth factor receptor-like 1	-1.53	0.0470
<i>Nmnat1</i>	nicotinamide nucleotide adenylyltransferase 1	-1.53	0.0137
<i>Osbpl8</i>	oxysterol binding protein-like 8	-1.53	0.0009
<i>Aim2</i>	absent in melanoma 2	-1.53	0.0151
<i>Ccdc117</i>	coiled-coil domain containing 117	-1.54	0.0190
<i>Lrg1</i>	leucine-rich alpha-2-glycoprotein 1	-1.54	0.0248
<i>Dmxl2</i>	Dmx-like 2	-1.54	0.0231
<i>Zbtb43</i>	zinc finger and BTB domain containing 43	-1.54	0.0060
<i>Crtc3</i>	CREB regulated transcription coactivator 3	-1.54	0.0053
<i>Cyyr1</i>	cysteine/tyrosine-rich 1	-1.54	0.0480
<i>LOC680200</i>	similar to zinc finger protein 455	-1.54	0.0135
<i>Hlcs</i>	holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase)	-1.54	0.0157
<i>Tmx4</i>	thioredoxin-related transmembrane protein 4	-1.54	0.0176
<i>Mov10l1</i>	Mov10 RISC complex RNA helicase like 1	-1.54	0.0013
<i>Ctdspl</i>	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-1.55	0.0316
<i>Tymp</i>	thymidine phosphorylase	-1.55	0.0026
<i>Mad2l1bp</i>	MAD2L1 binding protein	-1.55	0.0064
<i>Slc10a2</i>	solute carrier family 10 (sodium/bile acid cotransporter), member 2	-1.55	0.0432
<i>Nrxn1</i>	neurexin 1	-1.55	0.0471
<i>RGD1560203</i>	Protein RGD1560203	-1.55	0.0304
<i>Mid1</i>	midline 1	-1.55	0.0019
<i>Dlc1</i>	DLC1 Rho GTPase activating protein	-1.55	0.0012
<i>Hsd3b5</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 5	-1.55	0.0127
<i>Prg4</i>	proteoglycan 4	-1.55	0.0053
<i>Cks1b</i>	CDC28 protein kinase regulatory subunit 1B	-1.55	0.0471
<i>Pkmyt1</i>	protein kinase, membrane associated tyrosine/threonine 1	-1.55	0.0032
<i>Yipf2</i>	Yip1 domain family, member 2	-1.55	0.0077
<i>Rbms1</i>	RNA binding motif, single stranded interacting protein 1	-1.55	0.0024
<i>Cyb5a</i>	cytochrome b5 type A (microsomal)	-1.56	0.0169

<i>Hsp90b1</i>	heat shock protein 90, beta, member 1	-1.56	0.0066
<i>Rbpj</i>	recombination signal binding protein for immunoglobulin kappa J region	-1.56	0.0033
<i>Mrpl14</i>	mitochondrial ribosomal protein L14	-1.56	0.0138
<i>Atxn1l</i>	ataxin 1-like	-1.56	0.0069
<i>Mboat1</i>	membrane bound O-acyltransferase domain containing 1	-1.56	0.0227
<i>Olr1450</i>	olfactory receptor 1450	-1.56	0.0136
<i>Ly6c</i>	Ly6-C antigen	-1.56	0.0367
<i>Hsd3b1</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6 (Hsd3b6), mRNA	-1.56	0.0110
<i>Sod3</i>	superoxide dismutase 3, extracellular	-1.57	0.0176
<i>Lyzl1</i>	lysozyme-like 1	-1.57	0.0162
<i>LOC100910689</i>	cytochrome c oxidase assembly protein COX11, mitochondrial-like [Source:RGD Symbol;Acc:6497536]	-1.57	0.0031
<i>RGD1308706</i>	similar to RIKEN cDNA 4921524J17	-1.57	0.0151
<i>Nedd4l</i>	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	-1.57	0.0031
<i>Agmat</i>	agmatine ureohydrolase (agmatinase)	-1.57	0.0082
<i>Cysltr1</i>	cysteinyl leukotriene receptor 1	-1.57	0.0116
<i>Pon3</i>	paraoxonase 3	-1.57	0.0030
<i>Stard4</i>	StAR-related lipid transfer (START) domain containing 4	-1.58	0.0237
<i>Il18r1</i>	interleukin 18 receptor 1	-1.58	0.0235
<i>Slc9a7</i>	solute carrier family 9, subfamily A (NHE7, cation proton antiporter 7), member 7	-1.58	0.0115
<i>Gnl3</i>	guanine nucleotide binding protein-like 3 (nucleolar)	-1.58	0.0080
<i>Tmem150c</i>	transmembrane protein 150C	-1.59	0.0344
<i>LOC102550998</i>	sperm motility kinase 3-like	-1.59	0.0133
<i>Rsrp1</i>	arginine/serine-rich protein 1	-1.59	0.0010
<i>Runx1t1</i>	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	-1.59	0.0277
<i>Trpm6</i>	transient receptor potential cation channel, subfamily M, member 6	-1.59	0.0267
<i>Hsd3b7</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	-1.59	0.0154
<i>Nkrf</i>	Protein LOC100910054	-1.59	0.0007
<i>Maob</i>	monoamine oxidase B	-1.59	0.0005
<i>LOC102551852</i>	keratin-associated protein 20-2-like	-1.60	0.0044
<i>Nfyb</i>	nuclear transcription factor-Y beta	-1.60	0.0263
<i>Mef2d</i>	myocyte enhancer factor 2D	-1.60	0.0165
<i>Cyp4f1</i>	cytochrome P450, family 4, subfamily f, polypeptide 1	-1.60	0.0001
<i>LOC102548360</i>	MLV-related proviral Env polypeptide-like	-1.60	0.0184
<i>Hao1</i>	hydroxyacid oxidase (glycolate oxidase) 1	-1.60	0.0010
<i>LOC690478</i>	similar to keratin associated protein 10-7	-1.60	0.0225
<i>Ces1e</i>	ENCODS a protein that exhibits palmitoyl-CoA hydrolase activity	-1.60	0.0070
<i>Ier2</i>	immediate early response 2	-1.60	0.0392
<i>Stard13</i>	StAR-related lipid transfer (START) domain containing 13	-1.61	0.0183
<i>Cers3</i>	ceramide synthase 3	-1.61	0.0201
<i>Eif4b</i>	eukaryotic translation initiation factor 4B	-1.61	0.0063
<i>RGD1309821</i>	similar to KIAA1161 protein	-1.61	0.0010
<i>LOC360919</i>	similar to alpha-fetoprotein	-1.61	0.0110
<i>Ddc</i>	dopa decarboxylase (aromatic L-amino acid decarboxylase)	-1.61	0.0171
<i>LOC102551659</i>	MLV-related proviral Env polypeptide-like	-1.61	0.0030
<i>Med13</i>	mediator complex subunit 13	-1.61	0.0114
<i>Ets2</i>	v-ets avian erythroblastosis virus E26 oncogene homolog 2	-1.62	0.0368
<i>Hbegf</i>	heparin-binding EGF-like growth factor	-1.62	0.0155
<i>Prf1</i>	perforin 1 (pore forming protein)	-1.62	0.0012
<i>Mettl7a</i>	methyltransferase like 7A	-1.62	0.0157
<i>LOC100361702</i>	keratin associated protein 12-1-like	-1.62	0.0106
<i>Dusp26</i>	dual specificity phosphatase 26 (putative)	-1.62	0.0228
<i>Enpp1</i>	ectonucleotide pyrophosphatase/phosphodiesterase 1	-1.62	0.0058
<i>Ppp1r3g</i>	protein phosphatase 1, regulatory subunit 3G	-1.62	0.0072

<i>Igf1</i>	insulin-like growth factor 1	-1.63	0.0001
<i>Ccl5</i>	chemokine (C-C motif) ligand 5	-1.63	0.0277
<i>Igfbp4</i>	insulin-like growth factor binding protein 4	-1.63	0.0488
<i>Pcdh1</i>	Protein Pcdh1	-1.64	0.0027
<i>LOC691280</i>	similar to Zinc finger protein 180 (HHZ168)	-1.64	0.0072
<i>Cgrrf1</i>	cell growth regulator with ring finger domain 1	-1.64	0.0007
<i>Aph1b</i>	APH1B gamma secretase subunit	-1.64	0.0023
<i>RGD1565566</i>	similar to 60S ribosomal protein L18a [Source:RGD Symbol;Acc:1565566]	-1.65	0.0217
<i>Mcm7</i>	minichromosome maintenance complex component 7	-1.65	0.0037
<i>Glyatl1</i>	glycine-N-acyltransferase-like 1	-1.65	0.0029
<i>Olr181</i>	olfactory receptor 181	-1.65	0.0077
<i>Lpar3</i>	lysophosphatidic acid receptor 3	-1.65	0.0176
<i>LOC102552619</i>	INTERACTS WITH cobalt dichloride (ortholog) AND crocidolite asbestos (ortholog) AND methyl methanesulfonate (ortholog)	-1.66	0.0026
<i>Pax3</i>	paired box 3	-1.66	0.0026
<i>Hpd</i>	4-hydroxyphenylpyruvate dioxygenase	-1.66	0.0040
<i>Apoa5</i>	apolipoprotein A-V	-1.66	0.0048
<i>Ankrd27</i>	ankyrin repeat domain 27 (VPS9 domain)	-1.67	0.0025
<i>Hoxa2</i>	homeo box A2	-1.67	0.0420
<i>Cyp2j3</i>	cytochrome P450, family 2, subfamily j, polypeptide 3	-1.67	0.0169
<i>Igfals</i>	insulin-like growth factor binding protein, acid labile subunit	-1.68	0.0244
<i>RGD1306091</i>	PREDICTED: similar to Mixed lineage kinase 4 (RGD1306091), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	-1.68	0.0161
<i>LOC102551832</i>	MLV-related proviral Env polyprotein-like	-1.68	0.0078
<i>Omd</i>	osteomodulin (Omd), mRNA	-1.68	0.0102
<i>Pik3c2g</i>	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma	-1.68	0.0072
<i>Tfcp2</i>	transcription factor CP2	-1.68	0.0002
<i>RGD1561986</i>	INTERACTS WITH 17beta-hydroxy-17-methylestra-4 9 11-trien-3-one (ortholog)	-1.69	0.0276
<i>Banp</i>	Btg3 associated nuclear protein	-1.69	0.0026
<i>Slc7a2</i>	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-1.69	0.0250
<i>Cyp3a62</i>	cytochrome P450, family 3, subfamily a, polypeptide 62	-1.69	0.0100
<i>Cldn2</i>	claudin 2	-1.69	0.0435
<i>Irs1</i>	insulin receptor substrate 1	-1.69	0.0049
<i>Slc21a4</i>	kidney specific organic anion transporter	-1.69	0.0111
<i>A2m</i>	alpha-2-macroglobulin	-1.70	0.0024
<i>Lect2</i>	leukocyte cell-derived chemotaxin 2	-1.70	0.0017
<i>RGD1564074</i>	similar to novel protein [Source:RGD Symbol;Acc:1564074]	-1.70	0.0295
<i>Hectd2</i>	HECT domain containing E3 ubiquitin protein ligase 2	-1.71	0.0078
<i>Foxp1</i>	forkhead box P1	-1.71	0.0021
<i>Setd1b</i>	SET domain containing 1B [Source:MGI Symbol;Acc:MGI:2652820]	-1.71	0.0073
<i>Lrp6</i>	low density lipoprotein receptor-related protein 6	-1.71	0.0010
<i>Sez6</i>	seizure related 6 homolog (mouse)	-1.71	0.0345
<i>Als2</i>	amyotrophic lateral sclerosis 2 (juvenile)	-1.71	0.0011
<i>Tmem163</i>	transmembrane protein 163	-1.71	0.0134
<i>Zswim1</i>	zinc finger, SWIM-type containing 1	-1.71	0.0005
<i>Ankrd33b</i>	ankyrin repeat domain 33B	-1.71	0.0004
<i>Acss3</i>	acyl-CoA synthetase short-chain family member 3	-1.71	0.0015
<i>Hdac2</i>	histone deacetylase 2	-1.72	0.0060
<i>LOC102549637</i>	filaggrin-2-like	-1.72	0.0213
<i>Omd</i>	osteomodulin	-1.72	0.0057
<i>Rdh16</i>	ENCODS a protein that exhibits retinol dehydrogenase activity	-1.73	0.0013
<i>Kdelc2</i>	KDEL (Lys-Asp-Glu-Leu) containing 2	-1.73	0.0046
<i>Gjb1</i>	gap junction protein, beta 1	-1.73	0.0000
<i>Pla2g12a</i>	phospholipase A2, group XIIA	-1.73	0.0234
<i>LOC102552117</i>	MLV-related proviral Env polyprotein-like	-1.73	0.0179
<i>Mcts2</i>	malignant T cell amplified sequence 2	-1.74	0.0142

<i>Ifitm7</i>	interferon induced transmembrane protein 7 [Source:RGD Symbol;Acc:1306466]	-1.74	0.0010
<i>Clstn1</i>	calsyntenin 1	-1.75	0.0031
<i>Grb7</i>	growth factor receptor bound protein 7	-1.75	0.0330
<i>Xk</i>	X-linked Kx blood group	-1.76	0.0022
<i>Gpd2</i>	glycerol-3-phosphate dehydrogenase 2	-1.76	0.0326
<i>S1pr2</i>	sphingosine-1-phosphate receptor 2	-1.76	0.0001
<i>Rnd2</i>	Rho family GTPase 2	-1.76	0.0057
<i>Dnajc18</i>	DnaJ (Hsp40) homolog, subfamily C, member 18	-1.77	0.0114
<i>Atp11a</i>	ATPase, class VI, type 11A	-1.78	0.0000
<i>Zfp69</i>	zinc finger protein 69 [Source:RGD Symbol;Acc:2322990]	-1.78	0.0131
<i>Ddb2</i>	damage specific DNA binding protein 2	-1.79	0.0020
<i>NEWGENE_1585613</i>	ADP-ribosylation factor-like 14	-1.80	0.0087
<i>Fv1</i>	Friend virus susceptibility 1	-1.80	0.0000
<i>Prrg1</i>	proline rich Gla (G-carboxyglutamic acid) 1	-1.80	0.0196
<i>Gstm2</i>	glutathione S-transferase mu 2	-1.80	0.0057
<i>Ablim3</i>	actin binding LIM protein family, member 3	-1.80	0.0307
<i>Loxl4</i>	lysyl oxidase-like 4	-1.81	0.0017
<i>Cyp3a23/3a1</i>	cytochrome P450, family 3, subfamily a, polypeptide 23/polypeptide 1 (Cyp3a23/3a1), mRNA	-1.81	0.0004
<i>Cyp3a23/3a1</i>	cytochrome P450, family 3, subfamily a, polypeptide 23/polypeptide 1	-1.81	0.0004
<i>Aph1b</i>	APH1B gamma secretase subunit	-1.81	0.0028
<i>Ptger3</i>	prostaglandin E receptor 3 (subtype EP3)	-1.81	0.0163
<i>F11</i>	coagulation factor XI	-1.81	0.0001
<i>Fam117b</i>	family with sequence similarity 117, member B	-1.81	0.0036
<i>Spice1</i>	spindle and centriole associated protein 1	-1.82	0.0053
<i>Cyp7b1</i>	cytochrome P450, family 7, subfamily b, polypeptide 1	-1.82	0.0434
<i>Prkaa2</i>	protein kinase, AMP-activated, alpha 2 catalytic subunit	-1.82	0.0006
<i>Zfp57</i>	zinc finger protein 57	-1.83	0.0266
<i>Agt</i>	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	-1.83	0.0003
<i>Mreg</i>	melanoregulin	-1.83	0.0001
<i>Tbc1d14</i>	TBC1 domain family, member 14	-1.84	0.0002
<i>Siglech</i>	sialic acid binding Ig-like lectin H [Source:RGD Symbol;Acc:1310401]	-1.85	0.0022
<i>Dab1</i>	Dab, reelin signal transducer, homolog 1 (Drosophila)	-1.85	0.0169
<i>Gsap</i>	gamma-secretase activating protein	-1.85	0.0010
<i>Phtf1</i>	putative homeodomain transcription factor 1	-1.86	0.0001
<i>LOC100910501</i>	ENCODES a protein that exhibits aminopeptidase activity (ortholog)	-1.86	0.0114
<i>Tstd1</i>	thiosulfate sulfurtransferase (rhodanese)-like domain containing 1	-1.86	0.0014
<i>LOC299282</i>	Serine protease inhibitor	-1.87	0.0018
<i>RGD1566035</i>	similar to protein tyrosine phosphatase 4a1	-1.87	0.0040
<i>LOC102552246</i>	uncharacterized LOC102552246	-1.88	0.0046
<i>LOC681366</i>	ENCODES a protein that exhibits oxidoreductase activity (inferred)	-1.88	0.0040
<i>Aox4</i>	aldehyde oxidase 4	-1.89	0.0001
<i>Car8</i>	carbonic anhydrase 8	-1.90	0.0001
<i>Slc25a15</i>	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	-1.90	0.0033
<i>Dnajb9</i>	DnaJ (Hsp40) homolog, subfamily B, member 9	-1.90	0.0179
<i>Hacl1</i>	2-hydroxyacyl-CoA lyase 1	-1.90	0.0303
<i>Itga6</i>	integrin, alpha 6	-1.90	0.0071
<i>LOC500124</i>	similar to RIKEN cDNA 4921507P07	-1.92	0.0170
<i>Tob1</i>	transducer of ErbB-2.1	-1.92	0.0135
<i>Meiob</i>	meiosis specific with OB domains	-1.92	0.0228
<i>Sat2</i>	spermidine/spermine N1-acetyltransferase family member 2	-1.92	0.0073
<i>Foxp2</i>	forkhead box P2	-1.93	0.0342
<i>Casp6</i>	caspase 6 (Casp6), transcript variant 2, mRNA.	-1.93	0.0057
<i>RGD1309362</i>	similar to interferon-inducible GTPase	-1.94	0.0233
<i>Pdgfc</i>	platelet derived growth factor C	-1.94	0.0010

<i>Rup2</i>	urinary protein 2	-1.94	0.0000
<i>Dio1</i>	deiodinase, iodothyronine, type I	-1.94	0.0058
<i>Efna5</i>	ephrin A5	-1.96	0.0096
<i>Sox5</i>	SRY (sex determining region Y)-box 5	-1.96	0.0002
<i>Plekhb1</i>	pleckstrin homology domain containing, family B (evectins) member 1	-1.97	0.0129
<i>LOC102549198</i>	interferon-inducible GTPase 1-like	-1.97	0.0406
<i>LOC102549203</i>	uncharacterized LOC102549203	-1.98	0.0018
<i>RGD1565590</i>	INTERACTS WITH thioacetamide	-1.99	0.0450
<i>Sh3bp5</i>	SH3-domain binding protein 5 (BTK-associated)	-1.99	0.0014
<i>LOC102549464</i>	TBC1 domain family member 14-like	-2.00	0.0005
<i>ENSMUSG00000028542</i>	solute carrier family 6 (neurotransmitter transporter, glycine), member 9, Non-coding transcript identified by NONCODE: Antisense	-2.01	0.0001
<i>Cdh2</i>	cadherin 2	-2.01	0.0005
<i>Cyp2e1</i>	cytochrome P450, family 2, subfamily e, polypeptide 1	-2.01	0.0083
<i>Pdzd4</i>	PDZ domain containing 4	-2.01	0.0019
<i>Hyls1</i>	hydrolethalus syndrome 1	-2.01	0.0190
<i>Apon</i>	apolipoprotein N	-2.02	0.0005
<i>Acsl4</i>	acyl-CoA synthetase long-chain family member 4	-2.03	0.0031
<i>Enpep</i>	glutamyl aminopeptidase	-2.03	0.0025
<i>Dtx3l</i>	deltex 3 like, E3 ubiquitin ligase	-2.03	0.0000
<i>Pid1</i>	phosphotyrosine interaction domain containing 1	-2.03	0.0071
<i>Aph1b</i>	APH1B gamma secretase subunit (Aph1b), mRNA	-2.04	0.0037
<i>Zfp37</i>	zinc finger protein 37	-2.05	0.0008
<i>Crym</i>	crystallin, mu	-2.05	0.0075
<i>Napepld</i>	N-acyl phosphatidylethanolamine phospholipase D	-2.05	0.0201
<i>Sdr9c7</i>	short chain dehydrogenase/reductase family 9C, member 7	-2.06	0.0004
<i>Asgr1</i>	asialoglycoprotein receptor 1	-2.07	0.0000
<i>Ncam2</i>	neural cell adhesion molecule 2	-2.07	0.0005
<i>Pvr13</i>	poliovirus receptor-related 3	-2.08	0.0000
<i>Atxn7l1</i>	ataxin 7-like 1	-2.09	0.0280
<i>Cers6</i>	ceramide synthase 6	-2.10	0.0002
<i>Afm</i>	afamin	-2.10	0.0000
<i>C1r</i>	complement component 1, r subcomponent	-2.11	0.0002
<i>Inmt</i>	indolethylamine N-methyltransferase	-2.12	0.0151
<i>RGD1566035</i>	Protein tyrosine phosphatase type IVA 1	-2.12	0.0011
<i>Ficd</i>	FIC domain containing	-2.13	0.0265
<i>Serpina3c</i>	serine (or cysteine) proteinase inhibitor, clade A, member 3C	-2.13	0.0061
<i>Papss2</i>	3-phosphoadenosine 5-phosphosulfate synthase 2	-2.14	0.0008
<i>Nr3c1</i>	nuclear receptor subfamily 3, group C, member 1	-2.15	0.0000
<i>Irak3</i>	interleukin-1 receptor-associated kinase 3	-2.19	0.0051
<i>Rnf144b</i>	ring finger protein 144B	-2.20	0.0007
<i>Sts</i>	steroid sulfatase (microsomal), isozyme S	-2.20	0.0000
<i>Esrrg</i>	estrogen-related receptor gamma	-2.20	0.0003
<i>Casp6</i>	caspase 6	-2.21	0.0011
<i>RGD1564074</i>	INTERACTS WITH lead diacetate AND aflatoxin B1 (ortholog) AND coumestrol (ortholog)	-2.22	0.0312
<i>Gpld1</i>	glycosylphosphatidylinositol specific phospholipase D1	-2.23	0.0003
<i>Slc16a4</i>	solute carrier family 16, member 4	-2.23	0.0284
<i>Rad54l2</i>	RAD54-like 2 (S. cerevisiae)	-2.23	0.0176
<i>Crem</i>	cAMP responsive element modulator	-2.25	0.0015
<i>Mup5</i>	major urinary protein 5	-2.26	0.0196
<i>RGD1309362</i>	similar to interferon-inducible GTPase	-2.27	0.0116
<i>Ugp2</i>	UDP-glucose pyrophosphorylase 2	-2.29	0.0403
<i>Ptp4a1</i>	protein tyrosine phosphatase type IVA, member 1	-2.29	0.0006
<i>Pvr12</i>	poliovirus receptor-related 2	-2.29	0.0035
<i>Amacr</i>	alpha-methylacyl-CoA racemase	-2.30	0.0005
<i>Mapkapk2</i>	mitogen-activated protein kinase-activated protein kinase 2	-2.31	0.0013
<i>Rad54l2</i>	helicase ARIP4	-2.31	0.0007

<i>Slc38a2</i>	solute carrier family 38, member 2	-2.31	0.0004
<i>LOC102549500</i>	uncharacterized LOC102549500	-2.32	0.0020
<i>Nnmt</i>	nicotinamide N-methyltransferase	-2.33	0.0047
<i>Pbld1</i>	phenazine biosynthesis-like protein domain containing 1	-2.34	0.0033
<i>Cyp2c12</i>	cytochrome P450, family 2, subfamily c, polypeptide 12	-2.35	0.0221
<i>Gys2</i>	glycogen synthase 2	-2.35	0.0436
<i>Tpst1</i>	tyrosylprotein sulfotransferase 1	-2.36	0.0005
<i>Parp9</i>	poly (ADP-ribose) polymerase family, member 9	-2.37	0.0003
<i>Csrp1</i>	cysteine and glycine-rich protein 1	-2.37	0.0009
<i>Xbp1</i>	X-box binding protein 1	-2.37	0.0000
<i>Acsm3</i>	acyl-CoA synthetase medium-chain family member 3	-2.38	0.0026
<i>Pck1</i>	phosphoenolpyruvate carboxykinase 1 (soluble)	-2.39	0.0289
<i>Rnf39</i>	ring finger protein 39	-2.39	0.0010
<i>Slc25a25</i>	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	-2.40	0.0140
<i>Agmo</i>	alkylglycerol monooxygenase	-2.41	0.0000
<i>Oaf</i>	out at first homolog	-2.42	0.0094
<i>Pdia5</i>	protein disulfide isomerase family A, member 5	-2.42	0.0001
<i>LOC100910057</i>	sulfotransferase 1C2-like [Source:RGD Symbol;Acc:6500449]	-2.44	0.0104
<i>Ces1c</i>	carboxylesterase 1C	-2.44	0.0003
---	Protein LOC100911928	-2.46	0.0001
<i>Net1</i>	neuroepithelial cell transforming 1	-2.47	0.0044
<i>Fmo3</i>	flavin containing monooxygenase 3	-2.48	0.0000
<i>Rcan1</i>	regulator of calcineurin 1	-2.51	0.0000
<i>Foxa1</i>	forkhead box A1	-2.52	0.0001
<i>Hamp</i>	hepcidin antimicrobial peptide	-2.52	0.0022
<i>Prr16</i>	proline rich 16	-2.54	0.0000
<i>Aox1</i>	aldehyde oxidase 1	-2.54	0.0004
<i>C1s</i>	complement component 1, s subcomponent	-2.55	0.0062
<i>Cml2</i>	camello-like 2	-2.56	0.0059
<i>Cml2</i>	camello-like 2 (Cml2), mRNA	-2.56	0.0059
<i>Oas1a</i>	2-5 oligoadenylate synthetase 1A	-2.58	0.0307
<i>Olr1353</i>	olfactory receptor 1353	-2.58	0.0079
<i>Wsb1</i>	WD repeat and SOCS box-containing 1	-2.59	0.0058
<i>Rtp3</i>	receptor (chemosensory) transporter protein 3	-2.61	0.0039
<i>Slc17a2</i>	solute carrier family 17, member 2	-2.61	0.0000
<i>LOC298111</i>	alpha2u globulin	-2.62	0.0012
<i>Tenm2</i>	teneurin transmembrane protein 2	-2.67	0.0002
<i>Hhex</i>	hematopoietically expressed homeobox	-2.67	0.0069
<i>RGD1307603</i>	similar to hypothetical protein MGC37914	-2.69	0.0325
<i>Asl</i>	argininosuccinate lyase	-2.71	0.0094
<i>Adamts5</i>	ADAM metallopeptidase with thrombospondin type 1 motif, 5	-2.74	0.0137
<i>Dpp6</i>	dipeptidylpeptidase 6	-2.74	0.0064
<i>LOC100362572</i>	Mpv17 transgene, kidney disease mutant-like (predicted)-like	-2.75	0.0003
<i>Chac1</i>	ChaC glutathione-specific gamma-glutamylcyclotransferase 1	-2.78	0.0041
<i>Cesl1</i>	carboxylesterase-like 1	-2.79	0.0001
<i>Slc46a1</i>	solute carrier family 46 (folate transporter), member 1	-2.80	0.0001
<i>Ror1</i>	receptor tyrosine kinase-like orphan receptor 1	-2.81	0.0000
<i>Tmem144</i>	transmembrane protein 144	-2.87	0.0019
<i>Abcc2</i>	ATP-binding cassette, subfamily C (CFTR/MRP), member 2	-2.88	0.0002
<i>Cyp3a9</i>	cytochrome P450, family 3, subfamily a, polypeptide 9	-2.93	0.0025
<i>Cpq</i>	carboxypeptidase Q	-2.96	0.0000
---	Uncharacterized protein	-3.00	0.0020
<i>Atp11c</i>	ATPase, class VI, type 11C	-3.01	0.0001
<i>RGD1562392</i>	similar to Sulfotransferase K1 (rSULT1C2)	-3.05	0.0033
<i>Hal</i>	histidine ammonia lyase	-3.05	0.0011
<i>LOC100363405</i>	Zfp37 pseudogene	-3.07	0.0000
<i>Irs2</i>	insulin receptor substrate 2	-3.09	0.0032

<i>Habp2</i>	hyaluronan binding protein 2	-3.11	0.0000
<i>Helz2</i>	helicase with zinc finger 2, transcriptional coactivator	-3.11	0.0052
<i>Pde4b</i>	phosphodiesterase 4B, cAMP specific	-3.13	0.0015
<i>Dusp1</i>	dual specificity phosphatase 1	-3.17	0.0027
<i>Lgsn</i>	lengsin, lens protein with glutamine synthetase domain	-3.25	0.0014
<i>Ifitm3</i>	interferon induced transmembrane protein 3	-3.28	0.0003
<i>Fam169b</i>	family with sequence similarity 169, member B	-3.29	0.0029
<i>LOC685067</i>	similar to guanylate binding protein family, member 6	-3.35	0.0005
<i>Smagp</i>	small cell adhesion glycoprotein	-3.41	0.0005
<i>Egfr</i>	epidermal growth factor receptor	-3.47	0.0001
<i>Ccnd1</i>	cyclin D1	-3.48	0.0332
<i>Eml5</i>	echinoderm microtubule associated protein like 5	-3.48	0.0000
<i>Gimd1</i>	GIMAP family P-loop NTPase domain containing 1	-3.51	0.0119
<i>Ces1d</i>	carboxylesterase 1D	-3.52	0.0000
<i>LOC366130</i>	similar to Down syndrome critical region protein 3 homolog (Down syndrome critical region protein A homolog)	-3.72	0.0000
<i>LOC100910526</i>	ENCODES a protein that exhibits sulfotransferase activity (inferred) AND INVOLVED IN metabolic process (inferred)	-3.73	0.0005
<i>Got1</i>	glutamic-oxaloacetic transaminase 1, soluble	-3.85	0.0045
<i>Lin7a</i>	lin-7 homolog a (C. elegans)	-4.01	0.0001
<i>RGD1565421</i>	similar to Sulfotransferase K2 (rSULT1C2A) [Source:RGD Symbol;Acc:1565421]	-4.24	0.0024
<i>RGD1565682</i>	similar to lipase-like, ab-hydrolase domain containing 2	-4.43	0.0009
---	similar to Spleen protein 1 precursor (RSP-1) (LOC688335), mRNA	-4.62	0.0000
<i>Rgn</i>	regucalcin (senescence marker protein-30)	-4.64	0.0009
---	similar to Spleen protein 1 precursor (RSP-1) (LOC688335), mRNA	-4.80	0.0001
<i>LOC688335</i>	similar to Spleen protein 1 precursor (RSP-1)	-4.81	0.0000
<i>Lin7a</i>	ENCODES a protein that exhibits PDZ domain binding AND L27 domain binding (ortholog)	-4.85	0.0001
<i>Cyp2c11</i>	cytochrome P450, subfamily 2, polypeptide 11	-4.86	0.0000
<i>UST4r</i>	integral membrane transport protein UST4r	-4.94	0.0000
<i>Cish</i>	cytokine inducible SH2-containing protein	-5.04	0.0054
<i>Zdhhc23</i>	zinc finger, DHHC-type containing 23	-5.05	0.0003
<i>A2ml1</i>	alpha-2-macroglobulin-like 1	-5.07	0.0026
<i>Marveld1</i>	MARVEL domain containing 1	-5.10	0.0002
<i>Sult1c2</i>	sulfotransferase family 1C member 2	-5.54	0.0007
---	Uncharacterized protein	-6.12	0.0023
<i>Fmo1</i>	flavin containing monooxygenase 1	-6.14	0.0036
<i>Amdhd1</i>	amidohydrolase domain containing 1	-6.36	0.0003
<i>Rdh16</i>	retinol dehydrogenase 16 (all-trans)	-6.38	0.0000
<i>Fabp7</i>	fatty acid binding protein 7, brain	-6.44	0.0000
<i>Gadd45g</i>	growth arrest and DNA-damage-inducible, gamma	-7.26	0.0171
<i>LOC298111</i>	alpha2u globulin [Source:RGD Symbol;Acc:1593272]	-7.45	0.0010
<i>Slc22a8</i>	solute carrier family 22 (organic anion transporter), member 8	-7.81	0.0003
<i>Onecut1</i>	one cut homeobox 1	-7.88	0.0019
<i>LOC100912610</i>	major urinary protein-like [Source:RGD Symbol;Acc:6486015]	-9.31	0.0005
<i>Nox4</i>	NADPH oxidase 4	-10.82	0.0000
<i>Hao2</i>	hydroxyacid oxidase 2 (long chain)	-11.05	0.0000
<i>Gfra1</i>	GDNF family receptor alpha 1	-11.29	0.0000
<i>Car3</i>	carbonic anhydrase 3	-13.50	0.0001
<i>Dhrs7</i>	dehydrogenase/reductase (SDR family) member 7	-14.98	0.0000
<i>LOC100910235</i>	sulfotransferase 1C1-like [Source:RGD Symbol;Acc:6499500]	-15.60	0.0001
<i>Sult1c3</i>	sulfotransferase family, cytosolic, 1C, member 3	-16.33	0.0001
<i>Socs2</i>	suppressor of cytokine signaling 2	-16.56	0.0001
<i>Nrep</i>	neuronal regeneration related protein	-16.95	0.0000
<i>Cyp3a18</i>	cytochrome P450, family 3, subfamily a, polypeptide 18	-20.66	0.0000
<i>Sds</i>	serine dehydratase	-22.07	0.0108
<i>LOC100360049</i>	rCG64165-like	-46.12	0.0000

<i>LOC100360095</i>	urinary protein 1-like	-51.36	0.0000
<i>LOC100912405</i>	urinary protein 3-like	-57.62	0.0000
<i>Cdh17</i>	cadherin 17	-59.12	0.0000
<i>Stac3</i>	SH3 and cysteine rich domain 3	-173.24	0.0000
<i>Acnat2</i>	acyl-coenzyme A amino acid N-acyltransferase 2	-190.34	0.0000

Table S2 Fold change (FC) and *P*-value of all differentially expressed transcripts (FC > 1.3 or < -1.3, *P* < 0.05) between groups LE vs. LC

Gene Symbol	Gene Description	FC	<i>P</i> -value
<i>Inmt</i>	indolethylamine N-methyltransferase	2.47	0.0482
<i>Olr886</i>	ENCODES a protein that exhibits G-protein coupled receptor activity (inferred)	1.87	0.0056
<i>Tcp11x2</i>	t-complex 11 family, X-linked 2	1.79	0.0298
<i>Tas2r116</i>	taste receptor, type 2, member 116	1.70	0.0022
<i>Ccl21</i>	chemokine (C-C motif) ligand 21	1.69	0.0009
<i>Id2</i>	inhibitor of DNA binding 2	1.67	0.0201
<i>Zfp69</i>	zinc finger protein 69 [Source:RGD Symbol;Acc:2322990]	1.63	0.0384
<i>Olr377</i>	olfactory receptor 377	1.62	0.0162
<i>MGC114246</i>	similar to cathepsin R	1.62	0.0068
<i>Lpcat2</i>	lysophosphatidylcholine acyltransferase 2	1.60	0.0018
<i>LOC689396</i>	similar to RNA polymerase II elongation factor ELL2 [Source:RGD Symbol;Acc:1593468]	1.60	0.0069
<i>Olr1084</i>	olfactory receptor 1084	1.60	0.0164
<i>RGD1308195</i>	similar to secreted Ly6/uPAR related protein 2	1.59	0.0011
<i>Zfp606</i>	zinc finger protein 606	1.58	0.0189
<i>Vom2r6</i>	vomeranase 2 receptor, 6	1.58	0.0055
<i>Akap4</i>	A kinase (PRKA) anchor protein 4	1.58	0.0130
<i>Slc22a4</i>	solute carrier family 22 (organic cation/zwitterion transporter), member 4	1.56	0.0276
<i>Abca9</i>	ATP-binding cassette, sub-family A (ABC1), member 9	1.56	0.0466
<i>Jade2</i>	jade family PHD finger 2	1.55	0.0192
<i>Ppfbp2</i>	PTPRF interacting protein, binding protein 2 (liprin beta 2)	1.55	0.0113
<i>Vom2r49</i>	vomeranase 2 receptor, 49	1.55	0.0421
<i>Grifin</i>	galectin-related inter-fiber protein	1.55	0.0038
<i>Lrrc39</i>	leucine rich repeat containing 39	1.54	0.0013
<i>Olr1653</i>	olfactory receptor 1653	1.54	0.0321
<i>1700016H13Rik</i>	RIKEN cDNA 1700016H13 gene	1.53	0.0084
<i>Olr821</i>	olfactory receptor 821	1.53	0.0037
<i>Ccdc152</i>	coiled-coil domain containing 152	1.53	0.0100
<i>Serpmb5</i>	serpin peptidase inhibitor, clade B (ovalbumin), member 5	1.53	0.0060
<i>Bmp1</i>	bone morphogenetic protein 1	1.53	0.0010
<i>LOC102549391</i>	zinc finger protein 879-like	1.52	0.0004
<i>Cabp2</i>	calcium binding protein 2	1.51	0.0425
<i>Olr824</i>	olfactory receptor 824	1.50	0.0417
<i>Akap14</i>	A kinase (PRKA) anchor protein 14	1.50	0.0096
<i>Zfp276</i>	zinc finger protein (C2H2 type) 276	1.49	0.0364
<i>LOC102555587</i>	uncharacterized LOC102555587	1.49	0.0163
<i>Olr468</i>	olfactory receptor 468	1.49	0.0037
<i>Afap1</i>	actin filament associated protein 1	1.49	0.0121
<i>Vom1r72</i>	vomeranase 1 receptor 72	1.48	0.0131
<i>Pira2</i>	Protein LOC100912456	1.48	0.0242
<i>Scn8a</i>	sodium channel, voltage gated, type VIII, alpha subunit	1.48	0.0235
<i>Klra2</i>	killer cell lectin-like receptor, subfamily A, member 2	1.48	0.0144
<i>Prph</i>	peripherin	1.47	0.0042
<i>Ift88</i>	intraflagellar transport 88	1.47	0.0368
<i>Tex19.2</i>	testis expressed gene 19.2	1.47	0.0126
<i>RGD1305298</i>	uncharacterized protein LOC299330	1.46	0.0143
<i>Cdr2l</i>	cerebellar degeneration-related protein 2-like	1.46	0.0337
<i>Syn3</i>	synapsin III	1.46	0.0076
<i>Clcn6</i>	chloride channel, voltage-sensitive 6	1.45	0.0221
<i>Gucy1b2</i>	guanylate cyclase 1, soluble, beta 2	1.45	0.0188
<i>Olr453</i>	olfactory receptor 453	1.45	0.0058
<i>Olr305</i>	olfactory receptor 305	1.44	0.0471

<i>LOC102555616</i>	uncharacterized LOC102555616	1.44	0.0002
<i>Mrpl13</i>	mitochondrial ribosomal protein L13	1.44	0.0321
<i>Lrp2</i>	low density lipoprotein receptor-related protein 2	1.44	0.0275
<i>Apln</i>	apelin	1.44	0.0441
<i>Ddx60</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	1.44	0.0472
<i>Ces2e</i>	carboxylesterase 2E	1.44	0.0321
<i>Zfp14</i>	ZFP14 zinc finger protein	1.44	0.0203
<i>Plk1</i>	polo-like kinase 1	1.44	0.0078
<i>Itgb3bp</i>	Chalmel, et. al. AceView Annotation Itgb3bp.aSep08 Testis-expressed Unannotated Transcripts (TUTs)	1.43	0.0095
<i>RGD1564865</i>	similar to 20-alpha-hydroxysteroid dehydrogenase	1.43	0.0404
<i>Ctxn2</i>	cortixin 2	1.43	0.0153
<i>Tec</i>	tec protein tyrosine kinase	1.43	0.0047
<i>Spz1</i>	spermatogenic leucine zipper 1	1.43	0.0021
<i>Tcta</i>	T-cell leukemia translocation altered	1.43	0.0087
<i>Mgam</i>	PARTICIPATES IN galactose metabolic pathway AND starch and sucrose metabolic pathway	1.43	0.0304
<i>Stard9</i>	StAR-related lipid transfer domain containing 9	1.43	0.0386
<i>Pira2</i>	Protein LOC100912456	1.42	0.0233
<i>Apcdd1</i>	adenomatosis polyposis coli down-regulated 1	1.42	0.0260
<i>Has2</i>	hyaluronan synthase 2	1.42	0.0039
<i>Coq5</i>	coenzyme Q5, methyltransferase	1.41	0.0233
<i>Bpgm</i>	2,3-bisphosphoglycerate mutase	1.41	0.0423
<i>Gpr82</i>	G protein-coupled receptor 82	1.41	0.0458
<i>RGD1566120</i>	similar to novel protein [Source:RGD Symbol;Acc:1566120]	1.41	0.0492
<i>Pdp2</i>	pyruvate dehydrogenase phosphatase catalytic subunit 2	1.41	0.0045
<i>RGD1564599</i>	RGD1564599 (RGD1564599), mRNA	1.41	0.0488
<i>Hk2</i>	hexokinase 2	1.41	0.0290
<i>Adat2</i>	adenosine deaminase, tRNA-specific 2	1.41	0.0040
<i>LOC102551365</i>	stress response protein nst-1-like	1.41	0.0380
<i>Olr224</i>	olfactory receptor 224	1.41	0.0305
<i>LOC102553026</i>	INTERACTS WITH 17beta-estradiol (ortholog)	1.41	0.0417
<i>NONMMUG026978</i>	Non-coding transcript identified by NONCODE: Sense No Exonic	1.40	0.0261
<i>Bambi</i>	BMP and activin membrane-bound inhibitor	1.40	0.0253
<i>Tceal7</i>	transcription elongation factor A (SII)-like 7	1.40	0.0421
<i>Olr1174</i>	olfactory receptor 1174	1.40	0.0124
<i>RGD1563104</i>	similar to Vigilin (High density lipoprotein-binding protein)	1.40	0.0354
<i>RGD1565252</i>	Protein RGD1565252	1.40	0.0186
<i>lhh</i>	Indian hedgehog	1.40	0.0229
<i>LOC100910240</i>	tyrosine-protein phosphatase non-receptor type 13-like	1.40	0.0426
<i>Nabp1</i>	nucleic acid binding protein 1	1.40	0.0231
<i>Nuf2</i>	NUF2, NDC80 kinetochore complex component	1.40	0.0265
<i>Tmem114</i>	transmembrane protein 114	1.40	0.0014
<i>Adam4</i>	a disintegrin and metalloprotease domain 4	1.39	0.0368
<i>Eppk1</i>	ENCODES a protein that exhibits poly(A) RNA binding (ortholog)	1.39	0.0150
<i>Pacsin1</i>	protein kinase C and casein kinase substrate in neurons 1	1.39	0.0109
<i>Lck</i>	LCK proto-oncogene, Src family tyrosine kinase	1.38	0.0021
<i>Serpinc13</i>	serpin peptidase inhibitor, clade B (ovalbumin), member 13	1.38	0.0128
<i>Panx1</i>	Pannexin 1	1.38	0.0437
<i>Depdc1</i>	DEP domain containing 1	1.38	0.0314
<i>Rffl</i>	ring finger and FYVE-like domain containing E3 ubiquitin protein ligase	1.38	0.0371
<i>Tmem164</i>	transmembrane protein 164	1.38	0.0148
<i>Olr922</i>	olfactory receptor 922	1.38	0.0328
<i>Aif1</i>	allograft inflammatory factor 1	1.38	0.0224
<i>Nutm1</i>	NUT midline carcinoma, family member 1	1.38	0.0321
<i>Mrps28</i>	mitochondrial ribosomal protein S28	1.38	0.0140

<i>Slc34a1</i>	solute carrier family 34 (type II sodium/phosphate cotransporter), member 1	1.38	0.0000
<i>Vom2r21</i>	INTERACTS WITH ammonium chloride	1.38	0.0022
<i>Tmem125</i>	transmembrane protein 125	1.38	0.0089
<i>RGD1562885</i>	similar to RIKEN cDNA 2300002M23	1.37	0.0275
<i>RGD1304770</i>	similar to Na ⁺ dependent glucose transporter 1	1.37	0.0276
<i>Rps15a1</i>	ribosomal protein S15A-like 1 [Source:RGD Symbol;Acc:1596017]	1.37	0.0005
<i>Olr707</i>	olfactory receptor 707	1.37	0.0220
<i>LOC691670</i>	similar to natural killer cell protease 7	1.37	0.0079
<i>Nostrin</i>	nitric oxide synthase trafficking	1.37	0.0010
<i>Scn10a</i>	sodium channel, voltage-gated, type X, alpha subunit	1.37	0.0379
<i>Zfp52</i>	zinc finger protein 52	1.36	0.0196
<i>G0s2</i>	G0/G1switch 2	1.36	0.0398
<i>Pag1</i>	phosphoprotein membrane anchor with glycosphingolipid microdomains 1	1.36	0.0077
<i>Sh3rf1</i>	SH3 domain containing ring finger 1	1.36	0.0270
<i>Serpina6</i>	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	1.36	0.0289
<i>Cnksr3</i>	Cnksr family member 3	1.36	0.0146
<i>Ssc4d</i>	scavenger receptor cysteine rich family, 4 domains	1.36	0.0149
<i>Tfpt</i>	TCF3 (E2A) fusion partner	1.36	0.0204
<i>Scp2d1</i>	SCP2 sterol-binding domain containing 1	1.36	0.0236
<i>Drc3</i>	dynein regulatory complex subunit 3	1.36	0.0249
<i>Ptpn12</i>	protein tyrosine phosphatase, non-receptor type 12	1.36	0.0360
<i>Ugt2a1</i>	UDP glucuronosyltransferase 2 family, polypeptide A1 [Source:RGD Symbol;Acc:69432]	1.36	0.0294
<i>Itih5</i>	inter-alpha (globulin) inhibitor H5	1.36	0.0078
<i>Slc25a29</i>	solute carrier family 25 (mitochondrial carnitine/acylcarnitine carrier), member 29	1.36	0.0140
<i>Lrig2</i>	leucine-rich repeats and immunoglobulin-like domains 2	1.36	0.0456
<i>RGD1564854</i>	similar to divalent cation tolerant protein CUTA	1.35	0.0034
<i>Rara</i>	retinoic acid receptor, alpha	1.35	0.0473
<i>Mylk</i>	myosin light chain kinase (Mylk), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	1.35	0.0413
<i>Pcnxl4</i>	pecanex-like 4 (Drosophila) [Source:RGD Symbol;Acc:1582892]	1.35	0.0119
<i>Fuk</i>	fucokinase	1.35	0.0051
<i>Cd300lf</i>	Cd300 molecule-like family member F	1.35	0.0103
<i>Mllt1</i>	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 1	1.35	0.0174
<i>Oxgr1</i>	oxoglutarate (alpha-ketoglutarate) receptor 1	1.35	0.0315
<i>Nab2</i>	Ngfi-A binding protein 2	1.35	0.0056
<i>Ankrd66</i>	ankyrin repeat domain 66 [Source:RGD Symbol;Acc:1560151]	1.35	0.0128
<i>Ogdhl</i>	oxoglutarate dehydrogenase-like	1.35	0.0067
<i>Cd69</i>	Cd69 molecule	1.35	0.0105
<i>Fyb</i>	FYN binding protein	1.35	0.0092
<i>Rnf11</i>	ENCODS a protein that exhibits ubiquitin-protein transferase activity (ortholog)	1.35	0.0138
<i>Rnf11l2</i>	INTERACTS WITH 2-methoxyethanol	1.35	0.0138
<i>Slc6a12</i>	solute carrier family 6 (neurotransmitter transporter), member 12	1.35	0.0210
<i>Hist1h2ah</i>	histone cluster 1, H2ah [Source:RGD Symbol;Acc:1594367]	1.34	0.0219
<i>Hspa1a</i>	heat shock 70kD protein 1A	1.34	0.0111
<i>Sh3kbp1</i>	SH3-domain kinase binding protein 1	1.34	0.0020
<i>Bpifa1</i>	BPI fold containing family A, member 1	1.34	0.0135
<i>RGD1305422</i>	similar to mKIAA0226 protein	1.34	0.0286
<i>RGD1566355</i>	similar to cell division cycle 2-like 1	1.34	0.0463
<i>Soga1</i>	Protein Soga1	1.34	0.0119
<i>Taf1b</i>	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, B	1.34	0.0048
<i>Chchd6</i>	coiled-coil-helix-coiled-coil-helix domain containing 6	1.34	0.0388

<i>Fhit</i>	Chalmel, et. al. AceView Annotation Fhit.bSep08 Testis-expressed Unannotated Transcripts (TUTs)	1.34	0.0297
<i>Kctd2</i>	potassium channel tetramerization domain containing 2 [Source:RGD Symbol;Acc:1566063]	1.34	0.0430
<i>Syndig1</i>	synapse differentiation inducing 1	1.33	0.0170
<i>Mtif2</i>	mitochondrial translational initiation factor 2	1.33	0.0335
<i>Kif2a</i>	kinesin heavy chain member 2A	1.33	0.0358
<i>Tyrobp</i>	Tyro protein tyrosine kinase binding protein	1.33	0.0443
<i>Rbm8a</i>	RNA binding motif protein 8A	1.33	0.0173
<i>Best4</i>	bestrophin 4	1.33	0.0220
<i>Uroc1</i>	urocanate hydratase 1	1.33	0.0139
<i>Dner</i>	delta/notch-like EGF repeat containing	1.33	0.0296
<i>Cers5</i>	ceramide synthase 5	1.33	0.0378
<i>LOC102555347</i>	uncharacterized LOC102555347	1.33	0.0079
<i>Pcdhgc5</i>	protocadherin gamma subfamily C, 5	1.33	0.0291
<i>Hmha1</i>	histocompatibility (minor) HA-1	1.33	0.0358
<i>S100a4</i>	S100 calcium-binding protein A4	1.33	0.0168
<i>Tap2</i>	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1.33	0.0190
<i>Dll1</i>	delta-like 1 (Drosophila)	1.33	0.0447
<i>Syngap1</i>	synaptic Ras GTPase activating protein 1	1.33	0.0248
<i>Card11</i>	caspase recruitment domain family, member 11	1.32	0.0131
<i>Cbx2</i>	chromobox homolog 2	1.32	0.0015
<i>LOC100909631</i>	ENCODES a protein that exhibits structural molecule activity (inferred)	1.32	0.0096
<i>Olr1562</i>	ENCODES a protein that exhibits G-protein coupled receptor activity (inferred)	1.32	0.0273
<i>Klhl8</i>	kelch-like family member 8	1.32	0.0148
<i>Kif4a</i>	kinesin family member 4A	1.32	0.0276
<i>Npap60</i>	nuclear pore associated protein [Source:RGD Symbol;Acc:3191]	1.32	0.0496
<i>Tmem25</i>	transmembrane protein 25	1.32	0.0153
<i>Sirpb2l1</i>	INTERACTS WITH 17beta-estradiol (ortholog)	1.32	0.0314
<i>Tmem253</i>	transmembrane protein 253	1.32	0.0235
<i>Grpr</i>	gastrin releasing peptide receptor	1.32	0.0040
<i>LOC100360700</i>	hypothetical LOC100360700	1.32	0.0472
<i>Cacna1b</i>	calcium channel, voltage-dependent, N type, alpha 1B subunit	1.32	0.0141
<i>RGD1560927</i>	RGD1560927	1.32	0.0092
<i>RGD1564657</i>	similar to cathepsin 1 precursor	1.32	0.0472
<i>Wnt2b</i>	wingless-type MMTV integration site family, member 2B	1.32	0.0345
<i>Dapp1</i>	dual adaptor of phosphotyrosine and 3-phosphoinositides	1.32	0.0465
<i>Cdc66</i>	coiled-coil domain containing 66	1.32	0.0226
<i>Slc12a6</i>	solute carrier family 12, member 6	1.32	0.0258
<i>Rbm41</i>	RNA binding motif protein 41	1.32	0.0314
<i>Cabp1</i>	calcium binding protein 1	1.32	0.0256
<i>Morc1</i>	MORC family CW-type zinc finger 1	1.32	0.0193
<i>Tmem35</i>	transmembrane protein 35	1.32	0.0218
<i>Kcnn3</i>	potassium channel, calcium activated intermediate/small conductance subfamily N alpha, member 3	1.32	0.0151
<i>Atp8b5p</i>	ATPase, class I, type 8B, member 5, pseudogene	1.32	0.0236
<i>Fcgr2a</i>	Fc fragment of IgG, low affinity IIa, receptor	1.31	0.0484
<i>Nr1h5</i>	nuclear receptor subfamily 1, group H, member 5	1.31	0.0305
<i>Gpcpd1</i>	glycerophosphocholine phosphodiesterase 1	1.31	0.0236
<i>Atp1a2</i>	ATPase, Na+/K+ transporting, alpha 2 polypeptide	1.31	0.0009
<i>Krt8</i>	keratin 8, type II	1.31	0.0184
<i>Trex2</i>	three prime repair exonuclease 2	1.31	0.0283
<i>Tbca</i>	tubulin folding cofactor A [Source:RGD Symbol;Acc:1311538]	1.31	0.0488
<i>Prima1</i>	proline rich membrane anchor 1	1.31	0.0088
<i>Anp32a</i>	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	1.31	0.0266
<i>Dlx4</i>	distal-less homeobox 4	1.31	0.0366

<i>RGD1562844</i>	INTERACTS WITH cisplatin	-1.31	0.0302
<i>Zswim8</i>	zinc finger, SWIM-type containing 8	-1.31	0.0242
---	Uncharacterized protein	-1.31	0.0100
<i>Pik3ip1</i>	phosphoinositide-3-kinase interacting protein 1	-1.31	0.0344
<i>Zfp84</i>	zinc finger protein 84	-1.31	0.0202
<i>Poglut1</i>	protein O-glucosyltransferase 1	-1.31	0.0421
<i>LOC102546793</i>	uncharacterized LOC102546793	-1.31	0.0314
<i>Foxr1</i>	forkhead box R1 [Source:RGD Symbol;Acc:1309739]	-1.31	0.0357
<i>Zbtb48</i>	zinc finger and BTB domain containing 48	-1.31	0.0149
<i>Mcoln2</i>	mucolipin 2	-1.31	0.0381
<i>Rab3b</i>	RAB3B, member RAS oncogene family	-1.32	0.0384
<i>Zfp773</i>	zinc finger protein 773 [Source:MGI Symbol;Acc:MGI:1923623]	-1.32	0.0038
<i>Clec2l</i>	C-type lectin domain family 2, member L	-1.32	0.0061
<i>Hoxc4</i>	homeo box C4	-1.32	0.0216
<i>Olr1768</i>	olfactory receptor 1768	-1.32	0.0482
<i>Bcl11b</i>	B-cell CLL/lymphoma 11B (zinc finger protein) (Bcl11b), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	-1.32	0.0319
<i>Ttc8</i>	tetratricopeptide repeat domain 8	-1.32	0.0487
<i>Tut1</i>	terminal uridylyl transferase 1, U6 snRNA-specific	-1.32	0.0426
<i>LOC690035</i>	similar to Protein KIAA0586	-1.32	0.0062
<i>Cel</i>	carboxyl ester lipase	-1.32	0.0324
<i>Olr1451</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.32	0.0106
<i>LOC103691893</i>	putative ERV-F(c)1 provirus ancestral Env polyprotein	-1.32	0.0425
<i>Gpatch8</i>	G patch domain containing 8	-1.32	0.0452
<i>Cxcr3</i>	chemokine (C-X-C motif) receptor 3	-1.32	0.0426
<i>Wdsub1</i>	WD repeat, sterile alpha motif and U-box domain containing 1	-1.32	0.0160
<i>Cdkl4</i>	cyclin-dependent kinase-like 4 [Source:RGD Symbol;Acc:1583704]	-1.32	0.0227
<i>Popdc3</i>	popeye domain containing 3	-1.32	0.0431
<i>Smn1</i>	survival of motor neuron 1, telomeric	-1.32	0.0126
<i>Tgfb3</i>	transforming growth factor, beta receptor III	-1.32	0.0396
<i>Slc24a1</i>	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	-1.33	0.0402
<i>Blk</i>	BLK proto-oncogene, Src family tyrosine kinase	-1.33	0.0448
<i>Ston1</i>	stonin 1	-1.33	0.0085
<i>Ndufa4l2</i>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	-1.33	0.0086
<i>Slc50a1</i>	solute carrier family 50 (sugar efflux transporter), member 1	-1.33	0.0227
<i>Tspan33</i>	tetraspanin 33	-1.33	0.0351
<i>Lrrc14</i>	leucine rich repeat containing 14	-1.33	0.0061
<i>Cdx4</i>	caudal type homeo box 4	-1.33	0.0012
<i>Sapcd1</i>	suppressor APC domain containing 1	-1.33	0.0457
<i>S100a11</i>	S100 calcium binding protein A11	-1.33	0.0425
<i>LOC685152</i>	ATPase, class I, type 8B, member 2	-1.33	0.0042
<i>Pold2</i>	polymerase (DNA directed), delta 2, accessory subunit	-1.33	0.0316
<i>Tmem39a</i>	transmembrane protein 39a	-1.33	0.0336
<i>Upk1b</i>	uroplakin 1B	-1.33	0.0361
<i>Ankmy1</i>	ankyrin repeat and MYND domain containing 1	-1.33	0.0372
<i>Cml1</i>	camello-like 1 (Cml1), mRNA	-1.34	0.0186
<i>Dnah2</i>	Protein Dnah2	-1.34	0.0324
<i>RGD1564651</i>	similar to oocyte specific homeobox 3 [Source:RGD Symbol;Acc:1564651]	-1.34	0.0297
<i>Miip</i>	migration and invasion inhibitory protein	-1.34	0.0421
<i>Tfb2m</i>	ENCODES a protein that exhibits poly(A) RNA binding (ortholog)	-1.34	0.0214
<i>Tas2r134</i>	taste receptor, type 2, member 134	-1.34	0.0123
<i>Sfmbt1</i>	Scm-like with four mbt domains 1	-1.34	0.0379
<i>RGD1559482</i>	similar to immunoglobulin superfamily, member 7	-1.34	0.0143
<i>Olr312</i>	olfactory receptor 312	-1.34	0.0357
<i>Rbbp9</i>	retinoblastoma binding protein 9	-1.34	0.0440

<i>Wasf2</i>	WAS protein family, member 2	-1.34	0.0298
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<i>Prmt3</i>	proline-rich transmembrane protein 3	-1.34	0.0180
<i>Sh3d21</i>	SH3 domain containing 21	-1.34	0.0413
<i>Tubb4a</i>	tubulin, beta 4A class IVa	-1.34	0.0276
<i>Vwf</i>	von Willebrand factor	-1.34	0.0365
<i>Ly6h</i>	lymphocyte antigen 6 complex, locus H	-1.35	0.0133
<i>Akap3</i>	A kinase (PRKA) anchor protein 3	-1.35	0.0072
<i>LOC498084</i>	Ab2-093	-1.35	0.0106
<i>Plekhh2</i>	pleckstrin homology domain containing, family H (with MyTH4 domain) member 2	-1.35	0.0044
<i>Rnase10</i>	ribonuclease, RNase A family, 10 (non-active)	-1.35	0.0427
<i>Olr129</i>	olfactory receptor 129	-1.35	0.0381
<i>Cnga2</i>	cyclic nucleotide gated channel alpha 2	-1.35	0.0250
<i>Tspan1</i>	tetraspanin 1	-1.35	0.0097
<i>Ighmbp2</i>	immunoglobulin mu binding protein 2	-1.35	0.0181
<i>Ccdc185</i>	coiled-coil domain containing 185	-1.35	0.0102
<i>Galns</i>	galactosamine (N-acetyl)-6-sulfatase	-1.35	0.0401
<i>Bcl2</i>	B-cell CLL/lymphoma 2	-1.35	0.0010
<i>Entpd1</i>	ENCODES a protein that exhibits nucleoside-diphosphatase activity (ortholog)	-1.35	0.0079
<i>Snai1</i>	snail family zinc finger 1	-1.35	0.0484
<i>Gpr65</i>	G-protein coupled receptor 65	-1.36	0.0236
<i>Tox</i>	thymocyte selection-associated high mobility group box	-1.36	0.0246
<i>LOC102555390</i>	uncharacterized LOC102555390	-1.36	0.0256
<i>Banp</i>	Btg3 associated nuclear protein	-1.36	0.0268
<i>Mboat7</i>	membrane bound O-acyltransferase domain containing 7 (Mboat7), mRNA	-1.36	0.0480
<i>Mtx3</i>	metaxin 3	-1.36	0.0336
<i>Tktl2</i>	transketolase-like 2	-1.36	0.0251
<i>Zfp367</i>	zinc finger protein 367	-1.36	0.0140
<i>RGD1308878</i>	similar to arylacetamide deacetylase	-1.36	0.0076
<i>Cysltr1</i>	cysteinyl leukotriene receptor 1	-1.36	0.0103
<i>Fuz</i>	fuzzy planar cell polarity protein	-1.36	0.0048
<i>Mecom</i>	MDS1 and EVI1 complex locus	-1.36	0.0245
<i>Il2ra</i>	interleukin 2 receptor, alpha	-1.37	0.0443
<i>Jag2</i>	jagged 2 [Source:RGD Symbol;Acc:2938]	-1.37	0.0160
<i>Tbata</i>	thymus, brain and testes associated	-1.37	0.0238
<i>Ehd3</i>	EH-domain containing 3	-1.37	0.0269
<i>Gpr55</i>	G protein-coupled receptor 55	-1.37	0.0198
<i>LOC100362774</i>	rCG64303-like [Source:RGD Symbol;Acc:2324084]	-1.37	0.0173
<i>Pkmyt1</i>	protein kinase, membrane associated tyrosine/threonine 1	-1.37	0.0297
<i>Iqcf1</i>	IQ motif containing F1	-1.37	0.0038
<i>Ankrd63</i>	ankyrin repeat domain 63	-1.37	0.0151
<i>Rabif</i>	RAB interacting factor [Source:RGD Symbol;Acc:1359331]	-1.37	0.0234
<i>RGD1564941</i>	similar to ankyrin repeat domain 26	-1.37	0.0353
<i>Bgn</i>	biglycan	-1.38	0.0343
<i>Olr1314</i>	olfactory receptor 1314	-1.38	0.0471
<i>Olr1314</i>	olfactory receptor 1314 (Olr1314), mRNA	-1.38	0.0471
<i>Olr358</i>	olfactory receptor 358	-1.38	0.0210
<i>Dpysl2</i>	dihydropyrimidinase-like 2	-1.38	0.0062
<i>Olr1399</i>	olfactory receptor 1399	-1.38	0.0452
<i>LOC691254</i>	hypothetical protein LOC691254	-1.38	0.0162
<i>LOC100361265</i>	rCG64283-like	-1.38	0.0367
<i>Vom2r24</i>	vomer nasal 2 receptor, 24	-1.38	0.0175
<i>Entpd1</i>	ectonucleoside triphosphate diphosphohydrolase 1	-1.38	0.0039
<i>Fsd2</i>	fibronectin type III and SPRY domain containing 2	-1.38	0.0143
<i>LOC102553221</i>	MLV-related proviral Env polyprotein-like	-1.38	0.0200

<i>Olr1247</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.39	0.0033
<i>Olr1247</i>	olfactory receptor 1247	-1.39	0.0033
<i>Rgr</i>	retinal G protein coupled receptor	-1.39	0.0017
<i>Mmp3</i>	matrix metalloproteinase 3	-1.39	0.0400
<i>Strn3</i>	Striatin-3 [Source:UniProtKB/Swiss-Prot;Acc:P58405] Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	-1.39	0.0455
<i>Dock7</i>	dedicator of cytokinesis 7	-1.39	0.0174
<i>Nkain2</i>	Na+/K+ transporting ATPase interacting 2 [Source:RGD Symbol;Acc:2323702]	-1.39	0.0229
<i>LOC100361579</i>	prolactin family 5 subfamily a member 2-like	-1.39	0.0268
<i>Phf19</i>	PHD finger protein 19	-1.40	0.0276
<i>Myo5a</i>	myosin VA	-1.40	0.0132
<i>Vom2r63</i>	vomerolateral 2 receptor, 63	-1.40	0.0316
<i>Rad54l</i>	RAD54 like (S. cerevisiae)	-1.40	0.0134
<i>Stk11ip</i>	serine/threonine kinase 11 interacting protein	-1.40	0.0328
<i>Fzd3</i>	frizzled class receptor 3	-1.40	0.0258
<i>Ankrd33b</i>	ankyrin repeat domain 33B	-1.40	0.0094
<i>Hsf1</i>	heat shock transcription factor 1	-1.41	0.0079
<i>Maged2</i>	melanoma antigen, family D, 2	-1.41	0.0023
<i>Ric3</i>	RIC3 acetylcholine receptor chaperone	-1.41	0.0424
<i>Olr330</i>	olfactory receptor 330	-1.41	0.0236
<i>Tle6</i>	transducin-like enhancer of split 6 [Source:RGD Symbol;Acc:1561530]	-1.41	0.0015
<i>Vom1r100</i>	vomerolateral 1 receptor 100	-1.41	0.0193
<i>Rabif</i>	RAB interacting factor	-1.41	0.0261
<i>U2af1l4</i>	U2 small nuclear RNA auxiliary factor 1-like 4	-1.42	0.0062
<i>Barx1</i>	BARX homeobox 1	-1.42	0.0274
<i>Ctnnal1</i>	catenin (cadherin associated protein), alpha-like 1	-1.42	0.0213
<i>Olr639</i>	olfactory receptor 639	-1.42	0.0254
<i>Olr639</i>	olfactory receptor 639 (Olr639), mRNA	-1.42	0.0254
<i>Olr639</i>	olfactory receptor 639 (Olr639), mRNA	-1.42	0.0254
<i>Tmtc2</i>	transmembrane and tetratricopeptide repeat containing 2	-1.42	0.0334
<i>Arsb</i>	arylsulfatase B	-1.42	0.0111
<i>LOC100361702</i>	keratin associated protein 12-1-like	-1.42	0.0459
<i>Nrxn3</i>	neurexin 3	-1.42	0.0000
<i>Olr606</i>	olfactory receptor 606	-1.43	0.0298
<i>RGD1311343</i>	similar to RIKEN cDNA 4930524B15	-1.43	0.0036
<i>Zfp329</i>	zinc finger protein 329	-1.43	0.0224
<i>Olr657</i>	olfactory receptor 657	-1.43	0.0445
<i>Smim15</i>	small integral membrane protein 15	-1.43	0.0028
<i>LOC102547422</i>	zinc finger protein 420-like	-1.43	0.0206
<i>Rsl24d1</i>	ribosomal L24 domain containing 1	-1.43	0.0058
<i>Tmeff2</i>	transmembrane protein with EGF-like and two follistatin-like domains 2	-1.43	0.0165
<i>Lipe</i>	lipase, hormone sensitive	-1.43	0.0054
<i>Olfml2a</i>	olfactomedin-like 2A	-1.43	0.0103
---	---	-1.43	0.0408
<i>Grm3</i>	glutamate receptor, metabotropic 3	-1.43	0.0132
---	---	-1.44	0.0078
<i>LOC100360157</i>	1110034B05Rik protein-like	-1.44	0.0124
<i>Dynlt1</i>	dynein light chain Tctex-type 1	-1.44	0.0052
<i>Ns5atp9</i>	NS5A (hepatitis C virus) transactivated protein 9	-1.45	0.0233
<i>Wdr44</i>	WD repeat domain 44	-1.45	0.0314
<i>Nlrp12</i>	NLR family, pyrin domain containing 12	-1.45	0.0238
<i>Lifr</i>	leukemia inhibitory factor receptor alpha	-1.45	0.0051
<i>NONMMUG023495</i>	Non-coding transcript identified by NONCODE: Sense No Exonic	-1.45	0.0321
<i>Antxr1</i>	anthrax toxin receptor 1	-1.45	0.0088

<i>Ntn1</i>	netrin G1	-1.45	0.0333
<i>Orai2</i>	ORAI calcium release-activated calcium modulator 2	-1.45	0.0361
<i>LOC102553180</i>	protocadherin alpha-1-like	-1.46	0.0330
<i>Krtap31-1</i>	keratin associated protein 31-1	-1.46	0.0216
<i>Cdcp2</i>	CUB domain containing protein 2 [Source:RGD Symbol;Acc:1563467]	-1.46	0.0222
<i>Olr510</i>	olfactory receptor 510	-1.46	0.0055
<i>ENSMUSG0000002854</i> 2	solute carrier family 6 (neurotransmitter transporter, glycine), member 9, Non-coding transcript identified by NONCODE: Antisense	-1.46	0.0118
<i>Cd96</i>	CD96 molecule	-1.46	0.0045
<i>Fv1</i>	Friend virus susceptibility 1	-1.46	0.0004
<i>LOC100362122</i>	selection and upkeep of intraepithelial T cells 3-like	-1.47	0.0191
<i>Fam46a</i>	family with sequence similarity 46, member A	-1.47	0.0147
<i>LOC103694398</i>	keratin-associated protein 10-1-like	-1.49	0.0009
<i>LOC100912937</i>	melanoma antigen preferentially expressed in tumors-like [Source:RGD Symbol;Acc:6485206]	-1.49	0.0008
<i>Pcdh9</i>	protocadherin beta 9	-1.49	0.0196
<i>Ogn</i>	osteoglycin	-1.49	0.0131
<i>Cdc14a</i>	cell division cycle 14A	-1.49	0.0385
<i>Frem3</i>	FRAS1 related extracellular matrix 3	-1.50	0.0173
<i>Olr718</i>	olfactory receptor 718	-1.50	0.0465
<i>RGD1561444</i>	similar to RIKEN cDNA 9530077C05 [Source:RGD Symbol;Acc:1561444]	-1.50	0.0169
<i>Dnah5</i>	Protein Dnah5	-1.50	0.0393
<i>Zscan21</i>	zinc finger and SCAN domain containing 21	-1.50	0.0024
<i>Sbp</i>	spermine binding protein	-1.50	0.0255
<i>LOC102554689</i>	uncharacterized LOC102554689	-1.50	0.0216
<i>Mcm7</i>	minichromosome maintenance complex component 7	-1.51	0.0062
<i>LOC100910689</i>	cytochrome c oxidase assembly protein COX11, mitochondrial-like [Source:RGD Symbol;Acc:6497536]	-1.51	0.0034
<i>RGD1584023</i>	similar to zinc finger protein 11B	-1.51	0.0018
<i>Olr1437</i>	olfactory receptor 1437	-1.52	0.0500
<i>Ceacam15</i>	carcinoembryonic antigen-related cell adhesion molecule 15 [Source:MGI Symbol;Acc:MGI:2141810]	-1.53	0.0393
<i>LOC688657</i>	similar to Olfactory receptor 5D13	-1.53	0.0103
<i>Olr1697</i>	olfactory receptor 1697	-1.54	0.0141
<i>Il2rg</i>	interleukin 2 receptor, gamma	-1.55	0.0225
<i>Pde6d</i>	phosphodiesterase 6D, cGMP-specific, rod, delta	-1.57	0.0104
<i>LOC102553768</i>	uncharacterized LOC102553768	-1.57	0.0091
<i>Olr74</i>	olfactory receptor 74	-1.60	0.0323
<i>Rnf212</i>	INVOLVED IN chiasma assembly (ortholog)	-1.61	0.0036
<i>Mgat4e</i>	MGAT4 family, member E	-1.62	0.0008
<i>RGD1561778</i>	similar to dendritic cell-derived immunoglobulin(Ig)-like receptor 1, DIgR1 - mouse	-1.63	0.0063
<i>Nuggc</i>	nuclear GTPase, germinal center associated	-1.64	0.0013
<i>LOC102551428</i>	uncharacterized LOC102551428	-1.69	0.0027
<i>Pdcl2</i>	phosducin-like 2	-1.69	0.0229
<i>Mansc1</i>	MANSC domain containing 1	-1.71	0.0069
<i>LOC102546754</i>	beclin 1-associated autophagy-related key regulator-like	-1.72	0.0074
<i>Per1</i>	period circadian clock 1	-1.98	0.0144
<i>Tsku</i>	tsukushi, small leucine rich proteoglycan	-2.95	0.0045

Table S3 Fold change (FC) and *P*-value of all differentially expressed transcripts (FC > 1.3 or < -1.3, *P* < 0.05) between groups OE vs. OC

Gene Symbol	Gene Description	FC	<i>P</i> -value
<i>Gadd45a</i>	growth arrest and DNA-damage-inducible, alpha	2.57	0.0208
<i>Gimd1</i>	GIMAP family P-loop NTPase domain containing 1	2.32	0.0240
<i>Irs2</i>	insulin receptor substrate 2	2.27	0.0043
<i>Pdk4</i>	pyruvate dehydrogenase kinase, isozyme 4	2.19	0.0225
<i>Slc22a8</i>	solute carrier family 22 (organic anion transporter), member 8	2.17	0.0450
<i>LOC100911413</i>	deleted in malignant brain tumors 1 protein-like	2.01	0.0070
<i>Igkc</i>	immunoglobulin kappa constant [Source:MGI Symbol;Acc:MGI:96495]	1.97	0.0109
<i>Zfp467</i>	zinc finger protein 467	1.88	0.0166
<i>LOC102549464</i>	TBC1 domain family member 14-like	1.86	0.0101
<i>Junb</i>	jun B proto-oncogene	1.83	0.0160
<i>Eml5</i>	echinoderm microtubule associated protein like 5	1.76	0.0074
<i>Ptd1</i>	phosphotyrosine interaction domain containing 1	1.75	0.0014
<i>Siglech</i>	sialic acid binding Ig-like lectin H [Source:RGD Symbol;Acc:1310401]	1.74	0.0086
<i>RGD1565806</i>	similar to 60S ribosomal protein L23a	1.74	0.0047
<i>Slc22a25</i>	solute carrier family 22, member 25	1.72	0.0267
<i>LOC100912707</i>	Ig kappa chain V19-17-like [Source:RGD Symbol;Acc:6485939]	1.69	0.0334
<i>Aim2</i>	absent in melanoma 2	1.67	0.0067
<i>NONMMUG023325</i>	Non-coding transcript identified by NONCODE: Sense No Exonic	1.66	0.0100
<i>Anxa1</i>	annexin A1	1.66	0.0049
<i>Spry2</i>	sprouty RTK signaling antagonist 2	1.66	0.0118
<i>Edaradd</i>	EDAR-associated death domain	1.64	0.0196
<i>LOC689303</i>	similar to vitamin A-deficient testicular protein 11-like	1.64	0.0457
<i>LOC100910120</i>	olfactory receptor 8D1-like	1.63	0.0248
<i>Wdr90</i>	WD repeat domain 90	1.63	0.0037
<i>LOC24906</i>	RoBo-1	1.62	0.0348
<i>Spag8</i>	sperm associated antigen 8	1.62	0.0049
<i>Fam57a</i>	family with sequence similarity 57, member A	1.61	0.0256
<i>Cyld</i>	cylindromatosis (turban tumor syndrome) (Cyld), mRNA.	1.60	0.0115
---	Protein LOC502908	1.60	0.0230
<i>LOC499136</i>	LRRGT00021	1.59	0.0037
<i>LOC102549637</i>	filaggrin-2-like	1.59	0.0317
<i>Sgol1</i>	shugoshin-like 1 (<i>S. pombe</i>)	1.59	0.0108
<i>RGD1565088</i>	similar to UPF0197 protein C11orf10 homolog	1.58	0.0390
<i>Anxa8</i>	annexin A8	1.57	0.0498
<i>Atad2</i>	ATPase family, AAA domain containing 2	1.57	0.0125
<i>Tmem159</i>	transmembrane protein 159	1.57	0.0330
<i>LOC100911032</i>	uncharacterized LOC100911032	1.57	0.0168
<i>Pkn3</i>	protein kinase N3	1.57	0.0366
<i>Isg20</i>	interferon stimulated exonuclease gene 20	1.56	0.0089
<i>Mc4r</i>	melanocortin 4 receptor	1.56	0.0094
<i>Gzmc</i>	granzyme C	1.56	0.0014
<i>RGD1563645</i>	granzyme C (<i>Gzmc</i>), mRNA	1.56	0.0014
<i>NONMMUG022196</i>	Non-coding transcript identified by NONCODE: Exonic	1.56	0.0149
<i>Gsap</i>	gamma-secretase activating protein	1.55	0.0128
<i>Nedd9</i>	neural precursor cell expressed, developmentally down-regulated 9	1.55	0.0402
<i>Pcdh15</i>	protocadherin 15	1.55	0.0108
<i>Net1</i>	neuroepithelial cell transforming 1	1.55	0.0042
<i>Clstn1</i>	calsyntenin 1	1.55	0.0156
<i>Unc79</i>	INVOLVED IN adult behavior (ortholog)	1.55	0.0133

<i>Tas2r120</i>	taste receptor, type 2, member 120	1.54	0.0447
<i>Polr2l</i>	polymerase (RNA) II (DNA directed) polypeptide L (Polr2l), mRNA	1.54	0.0131
<i>Csn1s1</i>	casein alpha s1	1.54	0.0007
<i>LOC681193</i>	ENCODES a protein that exhibits DNA binding (inferred)	1.54	0.0036
<i>Bcl2l11</i>	BCL2-like 11 (apoptosis facilitator)	1.54	0.0224
<i>Grk4</i>	G protein-coupled receptor kinase 4	1.54	0.0052
<i>Atf7</i>	activating transcription factor 7	1.54	0.0003
<i>Map1lc3a</i>	microtubule-associated protein 1 light chain 3 alpha	1.54	0.0035
<i>LOC102548427</i>	uncharacterized LOC102548427	1.53	0.0476
<i>Amigo2</i>	adhesion molecule with Ig like domain 2	1.53	0.0341
<i>Rcan1</i>	regulator of calcineurin 1	1.53	0.0325
<i>Leng8</i>	leukocyte receptor cluster (LRC) member 8	1.53	0.0108
<i>Olr281</i>	olfactory receptor 281	1.53	0.0009
<i>Esrrg</i>	estrogen-related receptor gamma	1.52	0.0121
<i>Tas2r143</i>	ENCODES a protein that exhibits G-protein coupled receptor activity (inferred)	1.52	0.0161
<i>Cers3</i>	ceramide synthase 3	1.51	0.0285
<i>Dock2</i>	dedicator of cytokinesis 2 [Source:RGD Symbol;Acc:1564189]	1.51	0.0351
<i>Nav1</i>	neuron navigator 1	1.51	0.0446
<i>LOC102552246</i>	uncharacterized LOC102552246	1.51	0.0181
<i>Irak3</i>	interleukin-1 receptor-associated kinase 3	1.51	0.0384
<i>Olr696</i>	olfactory receptor 696	1.51	0.0198
<i>Hmgb2l1</i>	high mobility group box 2-like 1	1.50	0.0084
<i>RGD1565590</i>	INTERACTS WITH thioacetamide	1.50	0.0163
<i>A2m</i>	alpha-2-macroglobulin (A2m), mRNA	1.50	0.0301
<i>LOC102551659</i>	MLV-related proviral Env polyprotein-like	1.49	0.0274
<i>LOC102554723</i>	uncharacterized LOC102554723	1.49	0.0096
<i>Zfp37</i>	zinc finger protein 37	1.49	0.0452
<i>Prr16</i>	proline rich 16	1.49	0.0126
<i>Nisch</i>	nischarin [Source:RGD Symbol;Acc:1306950]	1.49	0.0055
<i>Eda2r</i>	ectodysplasin A2 receptor	1.48	0.0340
<i>Zbtb42</i>	zinc finger and BTB domain containing 42	1.48	0.0359
<i>Fam168b</i>	family with sequence similarity 168, member B	1.48	0.0161
<i>Fndc3b</i>	fibronectin type III domain containing 3B	1.48	0.0009
<i>Abo</i>	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)	1.48	0.0231
<i>LOC680097</i>	similar to germinal histone H4 gene	1.48	0.0077
<i>Rps27l</i>	ribosomal protein S27-like	1.48	0.0224
<i>Lst1</i>	leukocyte specific transcript 1	1.47	0.0021
<i>Nox4</i>	NADPH oxidase 4	1.47	0.0481
<i>Uvssa</i>	UV-stimulated scaffold protein A	1.47	0.0253
<i>Mib2</i>	mindbomb E3 ubiquitin protein ligase 2	1.47	0.0079
<i>LOC102556253</i>	tudor domain-containing protein 15-like	1.47	0.0116
<i>Scgb1c1</i>	secretoglobin, family 1C, member 1	1.47	0.0403
<i>Olr1505</i>	olfactory receptor 1505	1.47	0.0028
<i>Foxo3</i>	forkhead box O3	1.47	0.0081
<i>Vars2</i>	valyl-tRNA synthetase 2, mitochondrial	1.46	0.0032
<i>RGD1563104</i>	similar to Vigilin (High density lipoprotein-binding protein)	1.46	0.0486
<i>Fam81b</i>	family with sequence similarity 81, member B	1.46	0.0270
<i>Ddb2</i>	damage specific DNA binding protein 2	1.46	0.0403
<i>Tesb</i>	testis specific basic protein	1.46	0.0125
<i>LOC102546342</i>	uncharacterized LOC102546342	1.46	0.0032
<i>Xkrx</i>	XK, Kell blood group complex subunit-related, X-linked	1.46	0.0209

<i>Olr1653</i>	olfactory receptor 1653	1.46	0.0267
<i>Slc17a2</i>	solute carrier family 17, member 2	1.46	0.0141
<i>RGD1562035</i>	INTERACTS WITH mercaptopurine AND purine-6-thiol AND benzo[a]pyrene (ortholog)	1.46	0.0210
<i>Zfp692</i>	zinc finger protein 692	1.45	0.0336
<i>Cep112</i>	centrosomal protein 112kDa	1.45	0.0037
<i>Usp40</i>	ubiquitin specific peptidase 40	1.45	0.0078
---	---	1.45	0.0375
<i>Tpbpa</i>	trophoblast specific protein alpha	1.45	0.0467
<i>Olr67</i>	olfactory receptor 67	1.45	0.0349
<i>Arhgap15</i>	Rho GTPase activating protein 15	1.45	0.0201
---	Protein LOC100362092	1.45	0.0256
<i>LOC102548194</i>	TBC1 domain family member 30-like	1.45	0.0226
<i>LOC102548194</i>	TBC1 domain family member 30-like	1.45	0.0226
<i>Ddx17</i>	DEAD (Asp-Glu-Ala-Asp) box helicase 17	1.45	0.0183
<i>LOC102546322</i>	COPII coat assembly protein sec16-like	1.45	0.0056
<i>LOC310926</i>	hypothetical protein LOC310926	1.44	0.0432
<i>Uqcr11</i>	ubiquinol-cytochrome c reductase, complex III subunit XI	1.44	0.0369
<i>Mllt6</i>	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	1.44	0.0119
<i>Clec2l</i>	C-type lectin domain family 2, member L	1.44	0.0154
<i>Lrrc23</i>	leucine rich repeat containing 23	1.44	0.0245
<i>Ccnl1</i>	cyclin L1	1.44	0.0004
---	Protein Dnhd1-ps1	1.44	0.0158
<i>Olr375</i>	olfactory receptor 375	1.44	0.0225
<i>Lyzl1</i>	lysozyme-like 1	1.43	0.0169
<i>Fgl1</i>	fibrinogen-like 1	1.43	0.0112
<i>Fam117b</i>	family with sequence similarity 117, member B	1.43	0.0185
<i>LOC102554977</i>	INTERACTS WITH cisplatin (ortholog) AND progesterone (ortholog)	1.43	0.0382
<i>LOC102549203</i>	uncharacterized LOC102549203	1.43	0.0217
<i>B3galt4</i>	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	1.43	0.0488
<i>Dgkh</i>	diacylglycerol kinase, eta	1.43	0.0168
<i>RGD1560556</i>	similar to C14orf25 protein	1.42	0.0121
<i>LOC688442</i>	similar to limkain b1	1.42	0.0028
<i>Vom2r52</i>	vomer nasal 2 receptor, 52	1.42	0.0137
<i>Vom2r27</i>	vomer nasal 2 receptor, 27	1.42	0.0214
<i>Mllt4</i>	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 4	1.42	0.0309
<i>Klf12</i>	Kruppel-like factor 12	1.42	0.0032
<i>Anks1a</i>	ankyrin repeat and sterile alpha motif domain containing 1A	1.42	0.0033
<i>A2m</i>	alpha-2-macroglobulin	1.42	0.0423
<i>Stxbp5l</i>	syntaxin binding protein 5-like	1.42	0.0375
<i>Olr281</i>	olfactory receptor 281 (Olr281), mRNA	1.42	0.0021
<i>Cebpd</i>	CCAAT/enhancer binding protein (C/EBP), delta	1.42	0.0401
<i>Pafah1b3</i>	platelet-activating factor acetylhydrolase 1b, catalytic subunit 3	1.42	0.0032
<i>Polr2l</i>	polymerase (RNA) II (DNA directed) polypeptide L	1.42	0.0345
<i>LOC497940</i>	similar to RIKEN cDNA 2810408A11	1.42	0.0048
<i>RGD1560883</i>	similar to KIAA0825 protein [Source:RGD Symbol;Acc:1560883]	1.42	0.0416
<i>Olr300</i>	olfactory receptor 300	1.42	0.0413
<i>Fam219a</i>	family with sequence similarity 219, member A	1.42	0.0492
<i>RGD1310081</i>	similar to hypothetical protein FLJ13231 [Source:RGD Symbol;Acc:1310081]	1.41	0.0237
<i>Fos</i>	FBJ osteosarcoma oncogene	1.41	0.0073
<i>Olr1867</i>	olfactory receptor 1867	1.41	0.0193
<i>LOC100911112</i>	uncharacterized LOC100911112	1.41	0.0009

<i>LOC102550824</i>	uncharacterized LOC102550824	1.41	0.0351
<i>Dtwd1</i>	DTW domain containing 1	1.41	0.0086
<i>Adad2</i>	adenosine deaminase domain containing 2	1.41	0.0011
<i>Zp2</i>	zona pellucida glycoprotein 2 (sperm receptor)	1.41	0.0480
<i>Mxd1</i>	max dimerization protein 1	1.41	0.0464
---	---	1.41	0.0010
<i>Snrpc</i>	small nuclear ribonucleoprotein polypeptide C	1.41	0.0145
<i>Igfl3</i>	IGF-like family member 3	1.41	0.0331
<i>Olr1591</i>	olfactory receptor 1591	1.41	0.0010
<i>Rnf43</i>	ring finger protein 43	1.41	0.0229
<i>Olr70</i>	olfactory receptor 70	1.41	0.0327
<i>Traf3ip3</i>	TRAF3 interacting protein 3	1.41	0.0301
<i>Rab24</i>	RAB24, member RAS oncogene family	1.41	0.0177
<i>Olr1620</i>	olfactory receptor 1620	1.41	0.0285
<i>C5</i>	complement component 5	1.41	0.0445
<i>NONMMUG032780</i>	Non-coding transcript identified by NONCODE: Linc	1.40	0.0265
<i>LOC100363405</i>	Zfp37 pseudogene	1.40	0.0137
<i>Mcm4</i>	minichromosome maintenance complex component 4	1.40	0.0271
<i>Ndufa1</i>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1	1.40	0.0084
<i>LOC681182</i>	similar to paired immunoglobulin-like type 2 receptor beta [Source:RGD Symbol;Acc:1583509]	1.40	0.0486
<i>Syne4</i>	spectrin repeat containing, nuclear envelope family member 4 [Source:RGD Symbol;Acc:1304580]	1.40	0.0446
<i>Anlnl1</i>	anillin, actin binding protein-like 1	1.40	0.0112
<i>Tmem92</i>	INTERACTS WITH 17beta-estradiol (ortholog) AND benzo[a]pyrene (ortholog) AND copper(2+) sulfate (ortholog)	1.40	0.0008
<i>Olr763</i>	ENCODES a protein that exhibits G-protein coupled receptor activity (inferred)	1.40	0.0171
<i>Tmem258</i>	INTERACTS WITH toluene AND cobalt dichloride (ortholog) AND copper(2+) sulfate (ortholog)	1.40	0.0050
<i>Spi1</i>	Spi-1 proto-oncogene	1.40	0.0261
<i>Irf2bp2</i>	interferon regulatory factor 2 binding protein 2	1.40	0.0135
<i>Tcf7l2</i>	transcription factor 7-like 2 (T-cell specific, HMG-box)	1.40	0.0085
<i>Olr964</i>	olfactory receptor 964	1.40	0.0004
<i>LOC102548360</i>	MLV-related proviral Env polyprotein-like	1.40	0.0335
<i>Trak1</i>	trafficking protein, kinesin binding 1	1.39	0.0442
<i>Bdnf</i>	brain-derived neurotrophic factor	1.39	0.0266
<i>Dnah1</i>	dynein, axonemal, heavy chain 1	1.39	0.0030
<i>Prrt4</i>	proline-rich transmembrane protein 4	1.39	0.0316
<i>Zkscan4</i>	Protein Zfp307	1.39	0.0477
<i>Lrch4</i>	leucine-rich repeats and calponin homology (CH) domain containing 4	1.39	0.0335
<i>Ppp1r15a</i>	protein phosphatase 1, regulatory subunit 15A	1.39	0.0167
<i>Olr1500</i>	olfactory receptor 1500	1.39	0.0071
<i>Gpatch3</i>	G patch domain containing 3	1.39	0.0450
<i>Mef2d</i>	myocyte enhancer factor 2D	1.39	0.0065
<i>Fnbp4</i>	formin binding protein 4	1.39	0.0479
<i>Srsf5</i>	serine/arginine-rich splicing factor 5	1.39	0.0374
<i>LOC102548076</i>	zinc finger protein 120-like	1.39	0.0284
<i>Defb44</i>	defensin beta 44	1.39	0.0082
<i>Cep170b</i>	centrosomal protein 170B	1.39	0.0177
<i>Zfp28</i>	zinc finger protein 28	1.39	0.0476
<i>Cacna1a</i>	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	1.39	0.0100
<i>Olr1126</i>	olfactory receptor 1126	1.39	0.0265

<i>Arid5b</i>	AT rich interactive domain 5B (Mrf1 like)	1.39	0.0360
<i>Tmem110</i>	transmembrane protein 110	1.39	0.0096
<i>Tgm1</i>	transglutaminase 1	1.39	0.0145
<i>Ubp1</i>	upstream binding protein 1 (LBP-1a)	1.39	0.0110
<i>RGD1306091</i>	PREDICTED: similar to Mixed lineage kinase 4 (RGD1306091), mRNA.	1.38	0.0017
<i>Poldip3</i>	polymerase (DNA-directed), delta interacting protein 3	1.38	0.0084
<i>Fam168a</i>	family with sequence similarity 168, member A	1.38	0.0204
<i>Hoxa1</i>	homeo box A1	1.38	0.0469
<i>Rrp9</i>	ribosomal RNA processing 9, small subunit (SSU) processome component, homolog (yeast)	1.38	0.0115
<i>Zmat1</i>	zinc finger, matrin-type 1	1.38	0.0428
<i>LOC102552616</i>	h-2 class I histocompatibility antigen TLA(B) alpha chain-like	1.38	0.0185
<i>Phf13</i>	PHD finger protein 13	1.38	0.0119
<i>LOC100366231</i>	X-linked lymphocyte-regulated 5C-like [Source:RGD Symbol;Acc:2324027]	1.38	0.0084
<i>Eif2b4</i>	eukaryotic translation initiation factor 2B, subunit 4 delta	1.38	0.0104
<i>LOC102550998</i>	sperm motility kinase 3-like	1.38	0.0248
<i>RGD1309110</i>	similar to Hypothetical protein MGC58999	1.38	0.0245
<i>Cbx3</i>	chromobox homolog 3	1.38	0.0202
<i>Vegfa</i>	vascular endothelial growth factor A	1.38	0.0352
<i>Otp</i>	orthopedia homeobox	1.38	0.0225
<i>Ajap1</i>	adherens junction associated protein 1	1.38	0.0304
<i>Klre1</i>	killer cell lectin-like receptor, family E, member 1	1.38	0.0307
<i>LOC100909879</i>	tyrosine-protein phosphatase non-receptor type substrate 1-like	1.38	0.0139
<i>Ppfia2</i>	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	1.38	0.0076
<i>Tslp</i>	ENCODES a protein that exhibits cytokine activity (ortholog)	1.38	0.0205
<i>LOC102555587</i>	uncharacterized LOC102555587	1.38	0.0285
<i>Kctd18</i>	potassium channel tetramerization domain containing 18	1.38	0.0041
<i>LOC684819</i>	ENCODES a protein that exhibits DNA binding (inferred)	1.37	0.0022
<i>Fastk</i>	Fas-activated serine/threonine kinase	1.37	0.0056
<i>Smc2</i>	structural maintenance of chromosomes 2	1.37	0.0121
<i>Prickle3</i>	prickle homolog 3	1.37	0.0447
<i>Zfp706</i>	zinc finger protein 706	1.37	0.0247
<i>Amz1</i>	archaelysin family metalloproteinase 1	1.37	0.0117
<i>Epx</i>	eosinophil peroxidase	1.37	0.0036
<i>Olr302</i>	olfactory receptor 302	1.37	0.0011
<i>Ell</i>	elongation factor RNA polymerase II	1.37	0.0440
<i>Adamts9</i>	ADAM metalloproteinase with thrombospondin type 1 motif, 9	1.37	0.0150
<i>Rad9b</i>	RAD9 checkpoint clamp component B	1.37	0.0496
<i>LOC684932</i>	similar to Zinc finger protein 75	1.37	0.0484
<i>Ggt5</i>	ENCODES a protein that exhibits gamma-glutamyltransferase activity (ortholog)	1.37	0.0299
<i>Jmy</i>	junction-mediating and regulatory protein	1.37	0.0039
<i>Csf1</i>	colony stimulating factor 1 (macrophage)	1.37	0.0019
<i>Fv1</i>	Friend virus susceptibility 1	1.37	0.0225
<i>Ampd1</i>	adenosine monophosphate deaminase 1	1.37	0.0181
<i>Ufm1</i>	ubiquitin-fold modifier 1	1.37	0.0363
<i>Cetn3</i>	centrin, EF-hand protein, 3	1.36	0.0163
<i>Rims3</i>	regulating synaptic membrane exocytosis 3	1.36	0.0416
<i>Gng4</i>	guanine nucleotide binding protein (G protein), gamma 4	1.36	0.0126
<i>Ndufa1</i>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1	1.36	0.0054
<i>LOC300308</i>	similar to hypothetical protein 4930509O22	1.36	0.0265

<i>Il1rapl1</i>	interleukin 1 receptor accessory protein-like 1	1.36	0.0410
<i>Fbxo25</i>	F-box protein 25	1.36	0.0466
<i>Zmyx6</i>	zinc finger, MYM-type 6	1.36	0.0175
---	Uncharacterized protein	1.36	0.0187
<i>Chac1</i>	ChaC glutathione-specific gamma-glutamylcyclotransferase 1	1.35	0.0471
<i>Defb21</i>	defensin beta 21	1.35	0.0474
<i>Ankrd33b</i>	ankyrin repeat domain 33B	1.35	0.0135
<i>Tmem147</i>	transmembrane protein 147	1.35	0.0084
<i>Ncor2</i>	nuclear receptor co-repressor 2	1.35	0.0399
<i>Myof</i>	myoferlin	1.35	0.0143
<i>Rpgr</i>	retinitis pigmentosa GTPase regulator	1.35	0.0226
<i>Slc38a2</i>	solute carrier family 38, member 2	1.35	0.0451
<i>Olr1358</i>	olfactory receptor 1358	1.35	0.0486
<i>Klhl33</i>	kelch-like family member 33 [Source:RGD Symbol;Acc:2324282]	1.35	0.0256
<i>RGD1565002</i>	similar to Dehydrogenase/reductase SDR family member 7 precursor (Retinal short-chain dehydrogenase/reductase 4)	1.35	0.0223
<i>Elof1</i>	ELF1 homolog, elongation factor 1	1.35	0.0196
<i>Tmem60</i>	transmembrane protein 60	1.35	0.0251
<i>Fosl2</i>	fos-like antigen 2	1.35	0.0354
<i>Hacd1</i>	3-hydroxyacyl-CoA dehydratase 1	1.35	0.0068
<i>Mboat2</i>	membrane bound O-acyltransferase domain containing 2	1.35	0.0420
<i>Ssh3</i>	slingshot protein phosphatase 3	1.35	0.0255
<i>LOC102551451</i>	zinc finger protein 665-like	1.35	0.0049
<i>Cd244</i>	Cd244 molecule, natural killer cell receptor 2B4	1.35	0.0481
---	---	1.35	0.0402
<i>LOC100909597</i>	WW domain-containing adapter protein with coiled-coil-like	1.35	0.0037
<i>Olr365</i>	olfactory receptor 365	1.35	0.0260
<i>Rin3</i>	Ras and Rab interactor 3	1.35	0.0183
<i>Xpnpep3</i>	X-prolyl aminopeptidase 3, mitochondrial	1.34	0.0190
<i>Ppfbp1</i>	PTPRF interacting protein, binding protein 1 (liprin beta 1)	1.34	0.0489
<i>RGD1561114</i>	similar to hypothetical protein 4930474N05	1.34	0.0175
<i>Skint10</i>	selection and upkeep of intraepithelial T cells 10 [Source:RGD Symbol;Acc:1587504]	1.34	0.0379
<i>LOC689757</i>	similar to osteoclast inhibitory lectin	1.34	0.0444
<i>Pkia</i>	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	1.34	0.0230
<i>Olr1691</i>	olfactory receptor 1691	1.34	0.0378
<i>Lpar1</i>	lysophosphatidic acid receptor 1	1.34	0.0327
<i>Acot8</i>	acyl-CoA thioesterase 8	1.34	0.0201
<i>Adrm1</i>	adhesion regulating molecule 1	1.34	0.0431
<i>MGC112715</i>	hypothetical protein LOC690899	1.34	0.0283
<i>Pnlsr</i>	PNN-interacting serine/arginine-rich protein	1.34	0.0390
<i>Il6st</i>	interleukin 6 signal transducer	1.34	0.0138
<i>Il7</i>	interleukin 7	1.34	0.0122
<i>Olr844</i>	olfactory receptor 844	1.34	0.0021
<i>Olr964</i>	olfactory receptor 964	1.34	0.0356
<i>Olr964</i>	olfactory receptor 964 (Olr964), mRNA	1.34	0.0356
<i>Nudt1</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 1	1.34	0.0296
<i>Meox1</i>	mesenchyme homeobox 1	1.34	0.0480
---	Uncharacterized protein	1.34	0.0365
<i>LOC100364062</i>	M2 pyruvate kinase-like	1.34	0.0215
<i>Rybp</i>	RING1 and YY1 binding protein	1.34	0.0153
<i>Zfp830</i>	zinc finger protein 830	1.34	0.0404
<i>LOC688442</i>	similar to limkain b1	1.34	0.0167
<i>LOC500077</i>	similar to RIKEN cDNA 3110062M04	1.34	0.0159

<i>Tas2r138</i>	taste receptor, type 2, member 138	1.34	0.0090
<i>Fam151b</i>	family with sequence similarity 151, member B	1.33	0.0328
<i>LOC689959</i>	hypothetical protein LOC689959	1.33	0.0043
<i>Arfgap1</i>	ADP-ribosylation factor GTPase activating protein 1	1.33	0.0305
<i>Rabl6</i>	RAB, member RAS oncogene family-like 6	1.33	0.0205
<i>Nfat5</i>	ENCODES a protein that exhibits DNA binding (ortholog)	1.33	0.0018
<i>Gpr152</i>	G protein-coupled receptor 152	1.33	0.0222
<i>Zmym4</i>	zinc finger, MYM-type 4	1.33	0.0199
<i>Tlr5</i>	toll-like receptor 5	1.33	0.0249
<i>Tbx10</i>	T-box 10	1.33	0.0067
<i>Sycp1</i>	synaptonemal complex protein 1	1.33	0.0108
<i>Ap4m1</i>	adaptor-related protein complex 4, mu 1 subunit	1.33	0.0202
<i>NONMMUG002872</i>	Non-coding transcript identified by NONCODE: Linc	1.33	0.0367
<i>Ylpm1</i>	YLP motif containing 1	1.33	0.0407
<i>Mpl</i>	MPL proto-oncogene, thrombopoietin receptor	1.33	0.0365
<i>Dock7</i>	dedicator of cytokinesis 7	1.33	0.0397
<i>Olr1393</i>	olfactory receptor 1393	1.33	0.0344
<i>Dennd4b</i>	DENN/MADD domain containing 4B	1.33	0.0163
<i>Slc25a36l1</i>	INVOLVED IN transport (inferred) AND FOUND IN integral component of membrane (inferred)	1.33	0.0219
<i>Slc22a6</i>	solute carrier family 22 (organic anion transporter), member 6	1.33	0.0230
<i>Trim71</i>	tripartite motif containing 71, E3 ubiquitin protein ligase	1.33	0.0336
<i>Tsfn</i>	Ts translation elongation factor, mitochondrial	1.33	0.0317
<i>Dtx3</i>	deltex 3, E3 ubiquitin ligase	1.33	0.0437
<i>LOC686911</i>	similar to Exocyst complex component 1 (Exocyst complex component Sec3)	1.33	0.0172
<i>Osgin2</i>	oxidative stress induced growth inhibitor family member 2	1.32	0.0474
<i>Fam64a</i>	family with sequence similarity 64, member A	1.32	0.0284
<i>RGD1566369</i>	similar to ribosomal protein S8 [Source:RGD Symbol;Acc:1566369]	1.32	0.0247
<i>Hfm1</i>	HFM1, ATP-dependent DNA helicase homolog	1.32	0.0430
<i>Clcn7</i>	chloride channel, voltage-sensitive 7	1.32	0.0133
<i>Tank</i>	TRAF family member-associated NFKB activator	1.32	0.0093
<i>Plekha1</i>	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	1.32	0.0111
<i>Pkp4</i>	plakophilin 4	1.32	0.0409
<i>Fap</i>	fibroblast activation protein, alpha	1.32	0.0255
<i>Hist1h2aa</i>	histone cluster 1, H2aa	1.32	0.0434
<i>Klc2</i>	kinesin light chain 2	1.32	0.0177
<i>Taf1d</i>	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, D	1.32	0.0298
<i>Nfat5</i>	nuclear factor of activated T-cells 5, tonicity-responsive	1.32	0.0400
<i>Taf4b</i>	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa	1.32	0.0327
<i>Smagp</i>	small cell adhesion glycoprotein	1.32	0.0365
<i>Pex12</i>	peroxisomal biogenesis factor 12	1.32	0.0240
<i>Pfkfb3</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	1.32	0.0272
<i>Dvl1</i>	dishevelled segment polarity protein 1	1.32	0.0054
<i>Tmub1</i>	transmembrane and ubiquitin-like domain containing 1	1.32	0.0281
<i>Ccdc89</i>	coiled-coil domain containing 89 [Source:RGD Symbol;Acc:1305335]	1.32	0.0190
<i>Dcun1d1</i>	DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae) (Dcun1d1), mRNA. Chalmel, et. al. Testis-expressed Unannotated Transcripts (TUTs)	1.32	0.0428
<i>LOC684545</i>	similar to NACHT, leucine rich repeat and PYD containing 2	1.32	0.0468

<i>Apbb1</i>	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	1.32	0.0417
<i>Drp2</i>	dystrophin related protein 2	1.32	0.0275
<i>LOC100912377</i>	uncharacterized LOC100912377	1.32	0.0015
<i>Tnrc6c</i>	trinucleotide repeat containing 6C	1.31	0.0062
<i>Nudt2</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 2	1.31	0.0018
<i>Tspy1</i>	testis specific protein, Y-linked 1	1.31	0.0001
<i>Far1</i>	fatty acyl CoA reductase 1	1.31	0.0286
<i>LOC100910996</i>	uncharacterized LOC100910996	1.31	0.0462
<i>Ofd1</i>	oral-facial-digital syndrome 1	1.31	0.0107
<i>Zfp428</i>	zinc finger protein 428	1.31	0.0413
<i>Hoxc8</i>	homeobox C8	1.31	0.0087
<i>Comm1</i>	copper metabolism (Murr1) domain containing 1	1.31	0.0162
<i>Ptger4</i>	prostaglandin E receptor 4 (subtype EP4)	1.31	0.0492
<i>Atmin</i>	ATM interactor	1.31	0.0309
<i>Gtpbp2</i>	GTP binding protein 2	1.31	0.0012
<i>Isy1</i>	ISY1 splicing factor homolog	1.31	0.0487
<i>Cd83</i>	CD83 molecule	1.31	0.0251
<i>Srcap</i>	Snf2-related CREBBP activator protein	1.31	0.0280
<i>Sh2b1</i>	SH2B adaptor protein 1	1.31	0.0371
<i>NONMMUG043962</i>	Non-coding transcript identified by NONCODE: Linc	1.31	0.0162
<i>Abhd17b</i>	abhydrolase domain containing 17B	1.31	0.0381
<i>Nxf1</i>	nuclear RNA export factor 1	1.31	0.0235
<i>Scaf4</i>	SR-related CTD-associated factor 4	1.31	0.0185
<i>Clrn3</i>	clarin 3	-1.31	0.0013
<i>Atxn7l3b</i>	ataxin 7-like 3B	-1.31	0.0096
<i>RGD1562136</i>	similar to D1Ert622e protein	-1.31	0.0453
<i>LOC100909464</i>	ENCODES a protein that exhibits protein phosphatase type 2A regulator activity (inferred)	-1.31	0.0161
<i>Snx21</i>	---	-1.31	0.0064
<i>Psg29</i>	pregnancy-specific glycoprotein 29	-1.31	0.0288
<i>Tyw3</i>	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae)	-1.31	0.0040
<i>Mtch2</i>	mitochondrial carrier 2	-1.31	0.0161
<i>Nmnat2</i>	nicotinamide nucleotide adenylyltransferase 2	-1.31	0.0455
<i>Ncstn</i>	nicastrin	-1.31	0.0477
<i>Fgf10</i>	fibroblast growth factor 10	-1.31	0.0429
<i>Olr162</i>	olfactory receptor 162	-1.31	0.0412
<i>RGD1561157</i>	RGD1561157	-1.31	0.0080
<i>Sccpdh</i>	saccharopine dehydrogenase (putative)	-1.31	0.0063
<i>Olr1422</i>	olfactory receptor 1422	-1.31	0.0395
<i>Nit2</i>	nitrilase family, member 2	-1.31	0.0000
<i>LOC102554132</i>	uncharacterized LOC102554132	-1.31	0.0489
<i>Tktl1</i>	ENCODES a protein that exhibits catalytic activity (inferred)	-1.31	0.0063
<i>Muc2</i>	mucin 2 [Source:MGI Symbol;Acc:MGI:1339364]	-1.31	0.0068
<i>Fbxo2</i>	F-box protein 2	-1.31	0.0179
<i>Cyb561</i>	cytochrome b-561	-1.31	0.0128
<i>Vom1r79</i>	vomeroneural 1 receptor 79	-1.31	0.0490
<i>Cfap57</i>	cilia and flagella associated protein 57	-1.31	0.0320
<i>Prrt1</i>	proline-rich transmembrane protein 1	-1.31	0.0067
<i>Ddx52</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	-1.31	0.0500
<i>Trim67</i>	tripartite motif-containing 67	-1.31	0.0255
<i>Map7d3</i>	MAP7 domain containing 3	-1.31	0.0308
<i>Stoml1</i>	stomatin (EPB72)-like 1	-1.31	0.0173
<i>Klhl31</i>	kelch-like family member 31	-1.31	0.0287

<i>Acer2</i>	alkaline ceramidase 2	-1.31	0.0297
<i>Bpgm</i>	2,3-bisphosphoglycerate mutase	-1.32	0.0291
<i>Sgcg</i>	sarcoglycan, gamma	-1.32	0.0048
<i>Jph4</i>	junctophilin 4	-1.32	0.0031
<i>Cd59</i>	CD59 molecule, complement regulatory protein	-1.32	0.0170
---	Uncharacterized protein	-1.32	0.0221
<i>LOC100909612</i>	mitochondrial brown fat uncoupling protein 1-like	-1.32	0.0419
<i>Olr807</i>	olfactory receptor 807	-1.32	0.0209
<i>Cthrc1</i>	collagen triple helix repeat containing 1	-1.32	0.0261
<i>Adam10</i>	ADAM metallopeptidase domain 10	-1.32	0.0334
<i>Apobec4</i>	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative)	-1.32	0.0041
<i>Bmpr2</i>	bone morphogenetic protein receptor, type II (serine/threonine kinase)	-1.32	0.0212
<i>Rangap1</i>	RAN GTPase activating protein 1	-1.32	0.0398
<i>Wnt2</i>	Protein Wnt	-1.32	0.0220
<i>Taar7d</i>	trace-amine-associated receptor 7d	-1.32	0.0348
<i>Fam167b</i>	family with sequence similarity 167, member B	-1.32	0.0289
<i>Rps21</i>	ribosomal protein S21	-1.32	0.0245
<i>Rab5a</i>	RAB5A, member RAS oncogene family	-1.32	0.0275
<i>Tmc3</i>	transmembrane channel-like 3	-1.32	0.0482
<i>Gng3</i>	guanine nucleotide binding protein (G protein), gamma 3	-1.32	0.0315
<i>Olr1306</i>	olfactory receptor 1306	-1.33	0.0461
<i>Kcng3</i>	potassium channel, voltage gated modifier subfamily G, member 3	-1.33	0.0024
<i>Sft2d2</i>	SFT2 domain containing 2	-1.33	0.0050
<i>Ankk1</i>	ankyrin repeat and kinase domain containing 1	-1.33	0.0040
<i>LOC100361944</i>	hypothetical protein LOC100361944 [Source:RGD Symbol;Acc:2319136]	-1.33	0.0355
<i>Slc30a6</i>	solute carrier family 30 (zinc transporter), member 6	-1.33	0.0308
<i>Tmem178b</i>	transmembrane protein 178B	-1.33	0.0052
<i>P4ha3</i>	prolyl 4-hydroxylase, alpha polypeptide III	-1.33	0.0065
<i>Ednrb</i>	endothelin receptor type B	-1.34	0.0096
<i>Fam91a1</i>	family with sequence similarity 91, member A1	-1.34	0.0152
<i>Xrcc6</i>	X-ray repair complementing defective repair in Chinese hamster cells 6	-1.34	0.0194
<i>Hyi</i>	hydroxypyruvate isomerase	-1.34	0.0181
<i>Tcrb</i>	T-cell receptor beta chain	-1.34	0.0477
<i>Slc23a1</i>	solute carrier family 23 (ascorbic acid transporter), member 1	-1.34	0.0408
<i>Ikzf2</i>	IKAROS family zinc finger 2	-1.34	0.0400
<i>Sh2d6</i>	SH2 domain containing 6 [Source:RGD Symbol;Acc:1587427]	-1.34	0.0480
<i>Tom1</i>	target of myb1 membrane trafficking protein	-1.34	0.0228
<i>LOC100911937</i>	ENCODS a protein that exhibits G-protein coupled receptor activity (inferred)	-1.34	0.0372
<i>LOC102549389</i>	sarcoplasmic/endoplasmic reticulum calcium ATPase 3-like	-1.34	0.0110
<i>Tmem158</i>	transmembrane protein 158	-1.34	0.0496
<i>Slc8a3</i>	solute carrier family 8 (sodium/calcium exchanger), member 3	-1.34	0.0373
<i>Ado</i>	2-aminoethanethiol (cysteamine) dioxygenase	-1.34	0.0292
<i>Ppp1r14d</i>	protein phosphatase 1, regulatory (inhibitor) subunit 14D	-1.34	0.0004
<i>Serpinb9</i>	serpin peptidase inhibitor, clade B (ovalbumin), member 9	-1.34	0.0102
<i>Krt78</i>	Protein Krt78	-1.34	0.0460
<i>Thg1l</i>	tRNA-histidine guanylyltransferase 1-like	-1.34	0.0453
<i>Gsta5</i>	glutathione S-transferase alpha 5	-1.34	0.0124
<i>LOC100360477</i>	ENCODS a protein that exhibits hydrolase activity (inferred) AND isopentenyl-diphosphate delta-isomerase activity (inferred)	-1.35	0.0238
<i>Ppox</i>	protoporphyrinogen oxidase	-1.35	0.0425

<i>Olr91</i>	olfactory receptor 91	-1.35	0.0079
<i>Zfp330</i>	zinc finger protein 330	-1.35	0.0010
<i>Slc35b4</i>	solute carrier family 35 (UDP-xylose/UDP-N-acetylglucosamine transporter), member B4	-1.35	0.0446
<i>Ric3</i>	RIC3 acetylcholine receptor chaperone	-1.35	0.0339
<i>Cps1</i>	carbamoyl-phosphate synthetase 1	-1.35	0.0420
<i>Lcmt1</i>	leucine carboxyl methyltransferase 1	-1.35	0.0411
<i>Lims1</i>	LIM and senescent cell antigen-like domains 1	-1.35	0.0061
<i>Egflam</i>	EGF-like, fibronectin type III and laminin G domains	-1.35	0.0274
<i>C1qtnf7</i>	C1q and tumor necrosis factor related protein 7	-1.35	0.0278
<i>Pigs</i>	phosphatidylinositol glycan anchor biosynthesis, class S	-1.35	0.0417
<i>Enpp1</i>	ectonucleotide pyrophosphatase/phosphodiesterase 1	-1.35	0.0287
<i>Tox</i>	thymocyte selection-associated high mobility group box	-1.35	0.0350
<i>Vom1r13</i>	vomeroneasal 1 receptor 13	-1.36	0.0155
<i>Gnat2</i>	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	-1.36	0.0338
<i>Wbscr16</i>	Williams-Beuren syndrome chromosome region 16	-1.36	0.0278
<i>Fbxo3</i>	F-box protein 3	-1.36	0.0061
<i>Dyrk4</i>	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	-1.36	0.0394
<i>Dbt</i>	dihydrolipoamide branched chain transacylase E2	-1.36	0.0076
<i>Csmd3</i>	CUB and Sushi multiple domains 3	-1.36	0.0356
<i>RGD1565183</i>	ENCODES a protein that exhibits structural constituent of ribosome (inferred) AND INVOLVED IN translation (inferred) AND FOUND IN ribosome (inferred) AND INTERACTS WITH C60 fullerene	-1.36	0.0251
<i>Slitrk6</i>	SLIT and NTRK-like family, member 6	-1.36	0.0276
<i>Lpgat1</i>	lysophosphatidylglycerol acyltransferase 1	-1.36	0.0171
<i>Lama2</i>	laminin, alpha 2	-1.36	0.0228
<i>Uox</i>	urate oxidase	-1.36	0.0174
<i>Syce1</i>	synaptonemal complex central element protein 1	-1.36	0.0158
<i>RGD1560334</i>	similar to Myosin light chain 1 slow a [Source:RGD Symbol;Acc:1560334]	-1.36	0.0200
<i>Uhmk1</i>	U2AF homology motif (UHM) kinase 1	-1.36	0.0365
<i>Il20rb</i>	interleukin 20 receptor beta	-1.36	0.0046
<i>Vom2r44</i>	vomeroneasal 2 receptor 44	-1.36	0.0338
<i>Tulp3</i>	tubby-like protein 3	-1.36	0.0053
<i>Padi3</i>	peptidyl arginine deiminase, type III	-1.36	0.0303
<i>Ndufs8</i>	NADH dehydrogenase (ubiquinone) Fe-S protein 8	-1.36	0.0381
<i>LOC685700</i>	hypothetical protein LOC685700	-1.37	0.0116
<i>Ppm1j</i>	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1J	-1.37	0.0255
<i>LOC103692040</i>	olfactory receptor 8B3-like	-1.37	0.0355
<i>Olr1239</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.37	0.0355
<i>Olr1239</i>	olfactory receptor 1239	-1.37	0.0355
<i>Stoml2</i>	stomatin (Epb7.2)-like 2	-1.37	0.0264
<i>LOC102552923</i>	olfactory receptor 8B3-like	-1.37	0.0358
<i>Aplp1</i>	amyloid beta (A4) precursor-like protein 1	-1.37	0.0119
<i>Colq</i>	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	-1.37	0.0133
<i>Lzts2</i>	leucine zipper, putative tumor suppressor 2	-1.37	0.0144
<i>Olr812</i>	olfactory receptor 812	-1.37	0.0478
<i>Il23r</i>	interleukin 23 receptor	-1.37	0.0441
<i>Avpr2</i>	arginine vasopressin receptor 2	-1.37	0.0121
<i>Rab5c</i>	RAB5C, member RAS oncogene family	-1.37	0.0447
<i>Vwde</i>	von Willebrand factor D and EGF domains [Source:RGD Symbol;Acc:1561223]	-1.37	0.0257

<i>Olr332</i>	olfactory receptor 332	-1.37	0.0210
<i>Usp11</i>	ubiquitin specific peptidase 11	-1.38	0.0418
<i>Olr851</i>	olfactory receptor 851	-1.38	0.0042
<i>Lamtor5</i>	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	-1.38	0.0331
<i>ErbB4</i>	erb-b2 receptor tyrosine kinase 4	-1.38	0.0389
<i>Ociad2</i>	OCIA domain containing 2	-1.38	0.0074
<i>Si</i>	sucrase-isomaltase (alpha-glucosidase)	-1.38	0.0410
<i>Npsr1</i>	neuropeptide S receptor 1	-1.38	0.0138
<i>LOC691418</i>	hypothetical protein LOC691418	-1.38	0.0485
<i>Dkk2</i>	dickkopf WNT signaling pathway inhibitor 2	-1.38	0.0050
<i>LOC102552106</i>	paired immunoglobulin-like type 2 receptor beta-like	-1.38	0.0401
<i>Pex3</i>	peroxisomal biogenesis factor 3	-1.38	0.0224
<i>Mrpl16</i>	mitochondrial ribosomal protein L16	-1.38	0.0151
<i>LOC291871</i>	similar to heat shock protein 1 beta	-1.38	0.0152
<i>Tdh</i>	L-threonine dehydrogenase	-1.38	0.0185
<i>Arsg</i>	arylsulfatase G	-1.38	0.0431
<i>Zfp787</i>	zinc finger protein 787	-1.38	0.0476
<i>Olr1107</i>	olfactory receptor 1107	-1.38	0.0163
<i>Alpp</i>	alkaline phosphatase, placental	-1.38	0.0140
<i>Irgq</i>	immunity-related GTPase family, Q	-1.38	0.0455
<i>Gabra4</i>	gamma-aminobutyric acid (GABA) A receptor, alpha 4	-1.38	0.0364
<i>Sostdc1</i>	sclerostin domain containing 1	-1.39	0.0319
<i>LOC685463</i>	similar to Ral guanine nucleotide dissociation stimulator (RalGEF) (RalGDS)	-1.39	0.0373
<i>Prl3d4</i>	prolactin family 3, subfamily d, member 4	-1.39	0.0127
<i>Cyb5r3</i>	cytochrome b5 reductase 3	-1.39	0.0272
<i>Krtap13-1</i>	keratin associated protein 13-1	-1.39	0.0065
<i>Psd2</i>	pleckstrin and Sec7 domain containing 2	-1.39	0.0204
<i>Wfdc13</i>	WAP four-disulfide core domain 13	-1.39	0.0183
<i>Fasn</i>	fatty acid synthase	-1.39	0.0381
<i>Pga5</i>	pepsinogen 5, group I (Pga5), mRNA	-1.39	0.0401
<i>Cmb1</i>	carboxymethylenebutenolidase homolog (Pseudomonas)	-1.39	0.0295
<i>Acy1</i>	aminoacylase 1	-1.39	0.0321
<i>Sult1b1</i>	sulfotransferase family, cytosolic, 1B, member 1	-1.39	0.0158
<i>Rnase1l1</i>	ribonuclease, RNase A family, 1-like 1 (pancreatic)	-1.39	0.0186
<i>Tex13</i>	testis expressed gene 13	-1.39	0.0439
<i>Olr1246</i>	olfactory receptor 1246 [Source:RGD Symbol;Acc:1334003]	-1.39	0.0274
<i>Olr1246</i>	olfactory receptor 1246	-1.39	0.0274
<i>Dhcr24</i>	24-dehydrocholesterol reductase	-1.39	0.0284
<i>Stk33</i>	serine/threonine kinase 33	-1.39	0.0324
<i>St6galnac3</i>	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 3	-1.39	0.0042
<i>Pgbd5</i>	piggyBac transposable element derived 5	-1.39	0.0073
<i>Lix1l</i>	Lix1-like	-1.39	0.0341
<i>Zfp108</i>	zinc finger protein 108 (Zfp108), mRNA.	-1.39	0.0429
<i>Eva1a</i>	eva-1 homolog A	-1.40	0.0320
<i>Olr247</i>	olfactory receptor 247	-1.40	0.0436
<i>Tmem181</i>	transmembrane protein 181	-1.40	0.0364
<i>Iars2</i>	isoleucyl-tRNA synthetase 2, mitochondrial [Source:RGD Symbol;Acc:1311857]	-1.40	0.0157
<i>Heatr1</i>	HEAT repeat containing 1	-1.40	0.0268
<i>Foxa3</i>	forkhead box A3	-1.40	0.0064
<i>Slc44a4</i>	solute carrier family 44, member 4	-1.40	0.0118
<i>Tbxas1</i>	thromboxane A synthase 1, platelet	-1.40	0.0341

<i>Rec114</i>	REC114 meiotic recombination protein	-1.40	0.0237
<i>Zc2hc1b</i>	zinc finger, C2HC-type containing 1B	-1.40	0.0074
<i>Prss12</i>	protease, serine, 12 neurotrypsin (motopsin)	-1.40	0.0140
<i>RGD1559588</i>	similar to cell surface receptor FDFACT [Source:RGD Symbol;Acc:1559588]	-1.40	0.0016
<i>Gp2</i>	glycoprotein 2 (zymogen granule membrane)	-1.40	0.0177
<i>Ap2a2</i>	adaptor-related protein complex 2, alpha 2 subunit	-1.40	0.0117
<i>Lrrn1</i>	leucine rich repeat neuronal 1	-1.40	0.0290
<i>Cd93</i>	CD93 molecule	-1.40	0.0061
<i>LOC102547532</i>	paired immunoglobulin-like type 2 receptor beta-like	-1.40	0.0322
<i>Ano3</i>	anoctamin 3	-1.41	0.0074
<i>Mfsd7</i>	major facilitator superfamily domain containing 7	-1.41	0.0032
<i>Rnase2</i>	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	-1.41	0.0379
<i>Bles03</i>	basophilic leukemia expressed protein BLES03	-1.41	0.0310
<i>RGD1559683</i>	similar to RIKEN cDNA 1700001C02	-1.41	0.0240
<i>LOC100910256</i>	INTERACTS WITH crocidolite asbestos (ortholog)	-1.41	0.0277
<i>Olr1275</i>	ENCODES a protein that exhibits olfactory receptor activity (inferred)	-1.41	0.0277
<i>LOC100910445</i>	INTERACTS WITH crocidolite asbestos (ortholog)	-1.41	0.0277
<i>Gsta2</i>	ENCODES a protein that exhibits drug binding AND glutathione binding AND glutathione transferase activity	-1.41	0.0048
<i>Olr397</i>	olfactory receptor 397	-1.41	0.0091
<i>Vgll1</i>	INTERACTS WITH diuron AND 17alpha-ethynylestradiol (ortholog) AND 2 3 7 8-tetrachlorodibenzodioxine (ortholog)	-1.42	0.0476
<i>Six6os1</i>	Six6 opposite strand transcript 1	-1.42	0.0220
<i>Agr3</i>	anterior gradient 3, protein disulphide isomerase family member	-1.42	0.0359
<i>Efna4</i>	ephrin A4	-1.42	0.0008
<i>Ttyh2</i>	tweety family member 2	-1.42	0.0285
<i>Barx1</i>	BARX homeobox 1	-1.43	0.0030
<i>Idh3B</i>	isocitrate dehydrogenase 3 (NAD+) beta	-1.43	0.0402
<i>Nme3</i>	NME/NM23 nucleoside diphosphate kinase 3	-1.43	0.0146
<i>Trmt2a</i>	tRNA methyltransferase 2 homolog A	-1.43	0.0204
<i>RGD1565054</i>	similar to 60S acidic ribosomal protein P1	-1.43	0.0042
<i>Adam28</i>	ADAM metallopeptidase domain 28	-1.43	0.0113
<i>Rps29</i>	ribosomal protein S29	-1.43	0.0208
<i>Rrs1</i>	ribosome biogenesis regulator homolog	-1.43	0.0141
<i>LOC688702</i>	similar to RIKEN cDNA 1700001F22	-1.43	0.0009
<i>Pus1</i>	pseudouridylate synthase 1	-1.43	0.0179
<i>Ccdc110</i>	coiled-coil domain containing 110	-1.43	0.0245
<i>Tst</i>	thiosulfate sulfurtransferase	-1.43	0.0248
<i>Cyp2a3</i>	cytochrome P450, family 2, subfamily a, polypeptide 3	-1.44	0.0029
<i>Olr409</i>	olfactory receptor 409	-1.44	0.0236
<i>Olr1602</i>	olfactory receptor 1602	-1.44	0.0073
<i>LOC100910335</i>	INTERACTS WITH crocidolite asbestos (ortholog)	-1.44	0.0153
<i>Olr1275</i>	olfactory receptor 1275	-1.44	0.0153
<i>Stx19</i>	syntaxin 19	-1.44	0.0360
<i>Sigirr</i>	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	-1.44	0.0037
<i>Ppp2r3c</i>	protein phosphatase 2, regulatory subunit B, gamma	-1.44	0.0417
<i>Abhd11</i>	abhydrolase domain containing 11	-1.44	0.0316
<i>Hapln1</i>	hyaluronan and proteoglycan link protein 1	-1.44	0.0220
<i>St8sia6</i>	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6	-1.44	0.0153
<i>Rps29</i>	ribosomal protein S29 [Source:RGD Symbol;Acc:3596]	-1.44	0.0192
<i>Plbd1</i>	phospholipase B domain containing 1	-1.45	0.0384
<i>l7Rn6</i>	lethal, Chr 7, Rinchik 6	-1.45	0.0121
<i>Olr1622</i>	olfactory receptor 1622	-1.45	0.0058

<i>Olr727</i>	olfactory receptor 727	-1.45	0.0492
<i>LOC100910833</i>	histone-lysine N-methyltransferase setd3-like	-1.45	0.0033
<i>Gstm7</i>	glutathione S-transferase, mu 7	-1.45	0.0141
<i>Olr1701</i>	olfactory receptor 1701	-1.45	0.0178
<i>Mmp10</i>	matrix metalloproteinase 10	-1.45	0.0461
<i>Plpp2</i>	phospholipid phosphatase 2	-1.45	0.0354
<i>Ndufa8</i>	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8	-1.45	0.0280
<i>Fam161b</i>	family with sequence similarity 161, member B [Source:RGD Symbol;Acc:1309058]	-1.45	0.0126
<i>Gys1</i>	glycogen synthase 1, muscle	-1.45	0.0156
<i>LOC100912165</i>	rho guanine nucleotide exchange factor 9-like	-1.45	0.0451
<i>LOC102552920</i>	armadillo repeat-containing X-linked protein 5-like	-1.45	0.0299
<i>Creg1</i>	cellular repressor of E1A-stimulated genes 1	-1.45	0.0086
<i>Tpsg1</i>	tryptase gamma 1	-1.46	0.0246
<i>Stxbp6</i>	syntrophin binding protein 6 (amisyn)	-1.46	0.0192
<i>Lyzl6</i>	lysozyme-like 6	-1.46	0.0304
<i>Haus1</i>	HAUS augmin-like complex, subunit 1 (Haus1), mRNA	-1.46	0.0021
<i>LOC100912361</i>	16.5 kDa submandibular gland glycoprotein-like	-1.46	0.0396
<i>Ubxn8</i>	UBX domain protein 8	-1.46	0.0251
<i>Olr1148</i>	olfactory receptor 1148	-1.46	0.0459
<i>Prcp</i>	prolylcarboxypeptidase (angiotensinase C)	-1.47	0.0318
<i>Reep6</i>	receptor accessory protein 6	-1.47	0.0177
<i>LOC100363116</i>	INTERACTS WITH copper(2+) sulfate (ortholog) AND valproic acid (ortholog)	-1.47	0.0237
<i>Olr1142</i>	olfactory receptor 1142	-1.47	0.0015
<i>Elp5</i>	elongator acetyltransferase complex subunit 5	-1.48	0.0225
<i>Olr1368</i>	olfactory receptor 1368	-1.48	0.0002
<i>Far2</i>	fatty acyl CoA reductase 2	-1.48	0.0148
<i>Siva1</i>	SIVA1, apoptosis-inducing factor	-1.48	0.0136
<i>Desi1</i>	desumoylating isopeptidase 1	-1.48	0.0177
<i>Fut11</i>	fucosyltransferase 11 (alpha (1,3) fucosyltransferase)	-1.49	0.0283
<i>Rps29</i>	ribosomal protein S29 [Source:RGD Symbol;Acc:3596]	-1.49	0.0353
<i>C1qtnf3</i>	C1q and tumor necrosis factor related protein 3	-1.49	0.0081
<i>Zfp133</i>	zinc finger protein 133	-1.49	0.0075
<i>Bche</i>	butyrylcholinesterase	-1.49	0.0096
<i>E2f7</i>	E2F transcription factor 7	-1.50	0.0023
<i>Fbxo43</i>	F-box protein 43	-1.50	0.0092
<i>Olr1251</i>	olfactory receptor 1251	-1.50	0.0051
<i>Trpv6</i>	transient receptor potential cation channel, subfamily V, member 6	-1.50	0.0002
<i>Olr1029</i>	olfactory receptor 1029	-1.50	0.0301
<i>Creg2</i>	cellular repressor of E1A-stimulated genes 2 [Source:RGD Symbol;Acc:1564056]	-1.51	0.0039
<i>Entpd7</i>	ectonucleoside triphosphate diphosphohydrolase 7	-1.51	0.0018
<i>Olr373</i>	olfactory receptor 373	-1.51	0.0156
<i>Cplx2</i>	complexin 2	-1.51	0.0146
<i>Olr1143</i>	olfactory receptor 1143	-1.51	0.0174
<i>Olr77</i>	olfactory receptor 77	-1.52	0.0166
<i>Gpx1</i>	glutathione peroxidase 1	-1.53	0.0496
<i>Apmap</i>	adipocyte plasma membrane associated protein	-1.53	0.0105
<i>Rdh11</i>	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	-1.53	0.0183
<i>Gpr155</i>	G protein-coupled receptor 155	-1.53	0.0052
<i>Edem1</i>	Protein Edem1	-1.53	0.0106
<i>Cttnbp2nl</i>	CTTNBP2 N-terminal like	-1.54	0.0186
<i>Defb10</i>	defensin beta 10	-1.54	0.0101

<i>Pate3</i>	prostate and testis expressed 3	-1.54	0.0300
<i>Kcnn4</i>	potassium channel, calcium activated intermediate/small conductance subfamily N alpha, member 4	-1.54	0.0123
<i>Coa3</i>	cytochrome C oxidase assembly factor 3	-1.54	0.0497
<i>Rps29</i>	ribosomal protein S29 [Source:RGD Symbol;Acc:3596]	-1.55	0.0259
<i>LOC102553032</i>	ellis-van Creveld syndrome protein homolog	-1.56	0.0167
<i>Lamb3</i>	laminin, beta 3	-1.56	0.0255
<i>Nrip2</i>	nuclear receptor interacting protein 2	-1.56	0.0144
<i>Tas2r140</i>	taste receptor, type 2, member 140	-1.57	0.0036
<i>Ifi27</i>	interferon, alpha-inducible protein 27	-1.57	0.0389
<i>Gstk1</i>	glutathione S-transferase kappa 1	-1.57	0.0248
<i>Zbtb26</i>	zinc finger and BTB domain containing 26	-1.57	0.0359
<i>LOC688842</i>	hypothetical protein LOC688842	-1.58	0.0317
<i>Tm7sf2</i>	transmembrane 7 superfamily member 2	-1.58	0.0402
<i>Adssl1</i>	Adenylosuccinate synthetase isozyme 1	-1.58	0.0152
<i>Thoc6</i>	THO complex 6	-1.58	0.0106
<i>Slc26a7</i>	solute carrier family 26 (anion exchanger), member 7	-1.59	0.0042
<i>Srek1ip1</i>	SREK1-interacting protein 1	-1.60	0.0191
<i>Ankrd39</i>	ankyrin repeat domain 39	-1.60	0.0031
<i>Hyal5</i>	hyaluronoglucosaminidase 5	-1.61	0.0002
<i>Cyp26a1</i>	cytochrome P450, family 26, subfamily a, polypeptide 1	-1.63	0.0087
<i>LOC500300</i>	similar to hypothetical protein MGC6835	-1.64	0.0228
<i>LOC102552988</i>	uncharacterized LOC102552988	-1.64	0.0325
<i>Hes6</i>	hes family bHLH transcription factor 6	-1.65	0.0363
<i>LOC100361139</i>	ENCODES a protein that exhibits actin binding (inferred) AND INVOLVED IN actin cytoskeleton organization (inferred) AND sequestering of actin monomers (inferred) AND FOUND IN cytoplasm (inferred)	-1.65	0.0210
<i>Siglec1</i>	sialic acid binding Ig-like lectin 1, sialoadhesin	-1.66	0.0404
<i>Lrrcc1</i>	leucine rich repeat and coiled-coil centrosomal protein 1	-1.66	0.0287
<i>Ppp1r3b</i>	protein phosphatase 1, regulatory subunit 3B	-1.68	0.0323
<i>RGD1559459</i>	similar to Expressed sequence AI788959	-1.69	0.0116
<i>Hebp2</i>	heme binding protein 2	-1.71	0.0283
<i>Enpp5</i>	ectonucleotide pyrophosphatase/phosphodiesterase 5	-1.72	0.0120
<i>Map3k15</i>	mitogen-activated protein kinase kinase kinase 15 [Source:RGD Symbol;Acc:1560603]	-1.73	0.0174
<i>Gstt3</i>	glutathione S-transferase, theta 3	-1.74	0.0093
<i>Aqp11</i>	aquaporin 11	-1.76	0.0114
<i>Ces4a</i>	carboxylesterase 4A	-1.78	0.0082
<i>Vom2r75</i>	vomeroneasal 2 receptor, 75	-1.86	0.0040
<i>Trim24</i>	transcription intermediary factor 1-alpha [Source:RefSeq peptide;Acc:NP_001037731]	-1.98	0.0428
<i>Angptl8</i>	angiopoietin-like 8	-2.19	0.0160

Table S4 qPCR validation of microarray data for selected differentially expressed transcripts (FC > 1.3 or < -1.3, $P < 0.05$) hepatic transcripts between the groups OC vs. LC.

Gene symbol	FC		P-value	
	OC vs. LC		OC vs. LC	
	Microarray	qPCR	Microarray	qPCR
<i>G6pd</i>	21.80	5.56	<0.0001	<0.0001
<i>Scd2</i>	10.50	8.89	0.0053	0.0005
<i>Elovl6</i>	9.49	7.17	0.0032	0.0001
<i>Gpam</i>	8.64	7.77	<0.0001	0.0001
<i>Cd36</i>	8.42	11.93	<0.0001	0.0037
<i>Me1</i>	6.61	4.08	0.0006	0.0001
<i>Fasn</i>	3.64	2.19	0.0051	0.0093
<i>Srebf1</i>	2.36	1.28	0.0003	0.5101
<i>Fads2</i>	2.07	1.64	<0.0001	0.0327
<i>Ldlr</i>	1.63	1.27	0.0268	0.2104
<i>Elovl5</i>	1.62	1.52	0.0013	0.0220
<i>Car3</i>	-13.50	-7.74	0.0001	0.0050
<i>Dhrs7</i>	-14.98	-4.79	<0.0001	0.0003
<i>Sult1c3</i>	-16.33	-6.34	0.0001	<0.0001
<i>Nrep</i>	-16.95	-7.52	<0.0001	0.0033
<i>Cyp3a18</i>	-20.66	-7.81	<0.0001	<0.0001
<i>Sds</i>	-22.07	-27.00	0.0108	0.0377
<i>Cdh17</i>	-59.12	-71.54	<0.0001	0.0054
<i>Acnat2</i>	-190.34	-301.0	<0.0001	0.0008

The microarray FC was calculated from n = 6 microarrays/group. The qPCR FC was calculated from n = 8 samples/group.

Table S5 **Characteristics of gene-specific primers used for qPCR analysis**

Gene symbol	Primer sequence	NCBI GenBank	Annealing T	Product size (bp)
Reference genes				
<i>Actb</i>	GACCTCTATGCCAACACAGT CACCAATCCACACAGAGTAC	NM_031144	60	154
<i>Atp5b</i>	GCACCGTCAGAACTATTGCT GAATTCAGGAGCCTCAGCAT	NM_134364	57	203
<i>Canx</i>	CCAGATGCAGATCTGAAGAC CTGGGTCCTCAATTTCACGT	NM_172008	60	175
Target genes				
<i>Acnat2</i>	ACTTGCTCACCCCAAGATCC CCCCTGACCCATGAAATTGGA	NM_001014063	60	221
<i>Car3</i>	GGCCCTCTCTCTGGACCCTA AATCCCATCGGGCTGCTTCA	NM_019292	60	177
<i>Cdh17</i>	AGCAAGTATCTCCACGGCTG GCCATATGCGCCAGTCAAAT	NM_053977	60	152
<i>Cd36</i>	GCTGATTACTTCTGTGTAGTAGCTT GCTCCAGTAATGAGCCCACA	NM_031561	60	242
<i>Cyp3a18</i>	CTGTCAGCTGGGAAGGAAACT AAATTTCCACATGCCATCACCG	NM_145782	60	232
<i>Dhrs7</i>	CTAGTCTTGGGGCTGCTGAG TAGGTTGCCATTCTCCAGGC	NM_001013098	60	249
<i>Elovl5</i>	ATGAACTGGGTTCCCTGCGG GGAAGGGACAGAGGACAGGC	NM_134382	60	102
<i>Elovl6</i>	AAGTTTGAAGTGCAGGAGCCG CACCTAGTTCGGGTGCTTTGC	NM_134383	60	211
<i>Fads2</i>	CATCGACCGCAAGGTCTACAAC CTTGCCACGAAATCCAGGTC	NM_031344	60	139
<i>Fasn</i>	AGGTGCTAGAGGCCCTGCTA GTGCACAGACACCTTCCCAT	NM_017332	60	281
<i>Gpam</i>	CAGCGTGATTGCTACCTGAA CTCTCCGTCCTGGTGAGAAG	NM_017274	60	194
<i>G6pd</i>	TTGTACCAGGGTGATGCCTTCC GCTCACTCTGTTTGCGGATGTC	NM_017006	60	199
<i>Ldlr</i>	ACAGTGTCTCCCAAGTCCAA GCAAATGTGGATCTCGTCCTC	NM_175762	60	222
<i>Me1</i>	CTGCCTTGGGGATTGCTCAT GAGAGAAGCACGCCCTTA	NM_012600	60	128
<i>Nrep</i>	GGAGGGAGGTCTTACTAAGGGA GTAACCGATAGCTGGGGAGC	NM_178096	60	130
<i>Scd2</i>	TGCACCCCCAGACACTTGTA GGATGCATGGAAACGCCATAG	NM_031841	60	94
<i>Sds</i>	CCGGCACTAGTGTGTTCCCTT ACAGCCTTGTTTTGCCTTCATC	NM_053962	60	104
<i>Srebf1</i>	TCTTGACCGACATCGAAGACAT CCAGCATAGGGGGCATCAAA	NM_001276707	60	85
<i>Sult1c3</i>	ACCTGTCAAGTCCCCATTCT ATTCCTGCGTCCAGGTGGT	NM_031732	60	217