

**Differential Methylation in F1**

GeneName	proteinName	dif (MAM-SAL)
A1bg	alpha-1B-glycoprotein precursor	16.8191
Aass	alpha-aminoacidic semialdehyde synthase,	8.5052
Abcb7	ATP-binding cassette sub-family B member 7,	-9.0831
Abcb9	ATP-binding cassette sub-family B member 9	-8.5067
Abcc4	multidrug resistance-associated protein 4	10.3648
Abcc6	multidrug resistance-associated protein 6	-14.1499
Abcd2	ATP-binding cassette sub-family D member 2	17.1927
Abhd2	abhydrolase domain-containing protein 2	12.8483
Acacb	acetyl-CoA carboxylase 2	10.2549
Acad9	acyl-CoA dehydrogenase family member 9,	13.9105
Acadm	medium-chain specific acyl-CoA dehydrogenase,	12.0863
Acadsb	short/branched chain specific acyl-CoA	-11.7253
Acbd5	acyl-CoA-binding domain-containing protein 5	-11.9797
Acd	adrenocortical dysplasia protein homolog	13.7697
Acer2	alkaline ceramidase 2	14.2418
Aco1	cytoplasmic aconitate hydratase	-10.4777
Aco2	aconitate hydratase, mitochondrial precursor	-8.8057
Acot1	acyl-coenzyme A thioesterase 1	14.1605
Acp6	lysophosphatidic acid phosphatase type 6	-8.3007
Acpp	prostatic acid phosphatase long isoform	-11.0523
Acpp	prostatic acid phosphatase short isoform	-11.0523
Acs16	long-chain-fatty-acid--CoA ligase 6	-17.2029
Actbl2	beta-actin-like protein 2	-14.0503
Actg1	actin, cytoplasmic 2	-15.1316
Actl6b	actin-like protein 6B	17.0192
Acy1	aminoacylase-1A	-8.6617
Acy3	aspartoacylase-2	11.9872
Adam15	disintegrin and metalloproteinase	8.61
Adamts14	A disintegrin and metalloproteinase with	-10.417
Adamts15	A disintegrin and metalloproteinase with	11.454
Adamts7	A disintegrin and metalloproteinase with	13.4034
Adamts9	A disintegrin and metalloproteinase with	11.2067
Adat3	tRNA-specific adenosine deaminase-like protein	19.455
Add1	alpha-adducin	-14.468
Adipoq	adiponectin	12.7349
Adra2b	alpha-2B adrenergic receptor	8.1516
Aer61	glycosyltransferase Aer61 precursor	-9.445
Afap111	actin filament-associated protein 1-like 1	-8.6178
Agfg2	arf-GAP domain and FG repeats-containing protein	-8.5203
Agpat1	1-acyl-sn-glycerol-3-phosphate acyltransferase	-11.1754
Aifm1	apoptosis-inducing factor 1, mitochondrial	-13.23
Aifm2	apoptosis-inducing factor,	9.5185
Aipl1	aryl-hydrocarbon-interacting protein-like 1	-15.5769
Akt1s1	AKT1 substrate 1 (proline-rich)	-10.007
Akt1s1	AKT1 substrate 1 (proline-rich)	9.4611

**Differential Methylation in F2**

GeneName	proteinName	dif (MAM-SAL)
Abhd10	Abhydrolase Domain Containing 10	-11.5
Adam3a	ADAM metalloproteinase domain 3A (pseudogene)	12.75
Adcy2	adenylate cyclase 2 (brain)	13.25
Ajap1	adherens junctions associated protein 1	29
Akap12	A kinase (PRKA) anchor protein 12	16
Atp1b1	ATPase, Na+/K+ transporting, beta 1 polypeptide	23.5
Atp6v0d2	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2	-9.5
Atp9b	ATPase, class II, type 9B	-23.5
Cd244	CD244 molecule, natural killer cell receptor 2B4	10.25
Cd244	CD244 molecule, natural killer cell receptor 2B4	26.5
Cd96	CD96 molecule	12.25
Cdc27	cell division cycle 27	-14.75
Cdk6	cyclin-dependent kinase 6	-29.5
Cdk6	cyclin-dependent kinase 6	13.5
Cdk6	cyclin-dependent kinase 6	15.5
Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy	-33.5
Cnrip1	cannabinoid receptor interacting protein 1	-23
Crabp1	cellular retinoic acid binding protein 1	22
Crybb3	crystallin, beta B3	19
Cst3	cystatin C	12.25
Cst3	cystatin C	16.5
Dhx58	DEXH (Asp-Glu-X-His) box polypeptide 58	-12
Dpt	dermatopontin	23.5
Dtwd2	DTW domain containing 2	-94
Eif1	eukaryotic translation initiation factor 1	-29.25
Eif1	eukaryotic translation initiation factor 1	-22.75
Eif1	eukaryotic translation initiation factor 1	-11.75
Eml4	echinoderm microtubule associated protein like 4	19.75
Ern1	endoplasmic reticulum to nucleus signaling 1	-39.25
Esr1	estrogen receptor 1	26.75
Etaa1	Ewing tumor-associated antigen 1	-10
Ets1	v-ets avian erythroblastosis virus E26 oncogene homolog 1	29.25
F2r	coagulation factor II (thrombin) receptor	39
F2r1	coagulation factor II (thrombin) receptor-like 1	39
Fam107b	family with sequence similarity 107, member B	-23.5
Fam110b	family with sequence similarity 110, member B	17
Fam76b	family with sequence similarity 76, member B	31.25
Faslg	Fas ligand (TNF superfamily, member 6)	23.5
Fbxo48	F-box protein 48	-10
Foxe3	forkhead box E3	-9.25
Foxe3	forkhead box E3	-16
Foxe3	forkhead box E3	-9
Foxe3	forkhead box E3	-23.5
Frdm3	FERM domain containing 3	10
Frdm3	FERM domain containing 3	15.25

Alad	delta-aminolevulinic acid dehydratase	-13.8856
Aldh3b1	aldehyde dehydrogenase family 3 member B1	12.4445
Aldoa1	aldolase A-like 1	19.0855
Alg1	chitobiosyldiphosphodolichol	-12.6707
Alg10	putative alpha-1,2-glucosyltransferase ALG10-B	-11.2449
Alg5	dolichyl-phosphate beta-glucosyltransferase	-15.7068
Alg6	dolichyl pyrophosphate Man9GlcNAc2	-12.745
Alox15	arachidonate 12-lipoxygenase, leukocyte-type	9.3796
Aloxe3	epidermis-type lipoxygenase 3	15.1469
Amelx	amelogenin, X isoform precursor	12.9285
Ammecr1l	AMMECR1-like protein	11.4317
Amtn	amelotin precursor	11.9248
Angpt4	angiopoietin-4	8.9909
Angptl2	angiopoietin-related protein 2	20.7624
Ankrd13d	ankyrin repeat domain-containing protein 13D	-11.7509
Ankrd16	ankyrin repeat domain-containing protein 16	13.4477
Ankrd46	ankyrin repeat domain-containing protein 46	14.689
Anpep	aminopeptidase N	-13.6233
Anubl1	AN1-type zinc finger and ubiquitin	-17.0251
Ap2b1	AP-2 complex subunit beta	-16.2212
Apc2	adenomatous polyposis coli protein 2	9.3611
Apeh	acylamino-acid-releasing enzyme	12.9433
Apon	apolipoprotein N	18.6015
Aqp5	aquaporin-5	-10.9594
Aqp8	aquaporin-8	14.3189
Arf1	ADP-ribosylation factor 1	-10.6388
Arf5	ADP-ribosylation factor 5	-12.3208
Arhgdig	rho GDP-dissociation inhibitor 3	-14.164
Arhgef7	rho guanine nucleotide exchange factor 7 isoform	10.2143
Arid4a	AT-rich interactive domain-containing protein	-18.5451
Arid4a	AT-rich interactive domain-containing protein	10.57
Arl9	ADP-ribosylation factor-like protein 9	12.155
Armrc6	armadillo repeat-containing protein 6	-11.4334
Armrcx3	armadillo repeat-containing X-linked protein 3	8.5024
Armrcx6	protein ARMRCX6	8.5024
Arpp19	cAMP-regulated phosphoprotein 19	-15.5409
Arsi	arylsulfatase I precursor	15.5571
Arsk	arylsulfatase K precursor	-9.9393
Art3	ecto-ADP-ribosyltransferase 3	-13.252
Art5	ecto-ADP-ribosyltransferase 5 precursor	14.2433
Artn	artemin precursor	-9.2675
Asb1	ankyrin repeat and SOCS box protein 1	-12.6992
Asb18	ankyrin repeat and SOCS box-containing 18	14.1345
Ascl2	achaete-scute homolog 2	13.4211
Aste1	asteroid homolog 1	-8.7333
Asz1	ankyrin repeat, SAM and basic leucine zipper	15.3277
Atcay	caytaxin	-15.7501
Atf6	cyclic AMP-dependent transcription factor ATF-6	-8.1694

Gad1	glutamate decarboxylase 1 (brain, 67kDa)	-19.25
Gast	gastrin	-22.75
Gast	gastrin	-11.75
Gin1	gypsy retrotransposon integrase 1	15.5
Gorasp2	golgi reassembly stacking protein 2, 55kDa	-19.25
Gxylt1	glucoside xylosyltransferase 1	10.75
Hap1	huntingtin-associated protein 1	-34.75
Hap1	huntingtin-associated protein 1	-13.75
Hepacam2	HEPACAM family member 2	-29.5
Hepacam2	HEPACAM family member 2	13.5
Hepacam2	HEPACAM family member 2	15.5
Heph1l1	hephaestin-like 1	-31
Heph1l1	hephaestin-like 1	-16.75
Heph1l1	hephaestin-like 1	-11.25
Hs3st3b1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	11
Hsbp11l1	heat shock factor binding protein 1-like 1	-19.5
Hspb3	heat shock 27kDa protein 3	-29
Hspb8	heat shock 22kDa protein 8	27.75
Ido1	indoleamine 2,3-dioxygenase 1	12.75
Impad1	inositol monophosphatase domain containing 1	17
Ireb2	iron-responsive element binding protein 2	22
Itgb3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	-14.75
Itln1	intelectin 1 (galactofuranose binding)	10.25
lyd	iodotyrosine deiodinase	13
Jup	junction plakoglobin	-34.75
Jup	junction plakoglobin	-13.75
Kcng2	potassium voltage-gated channel, subfamily G, member 2	-19.5
Kirrel3	kin of IRRE like 3 (Drosophila)	29.25
Klhl11	kelch-like family member 11	-18.75
Klhl14	kelch-like family member 14	21.75
Klhl14	kelch-like family member 14	-49.5
Krt42	keratin 42 pseudogene	-29.25
LOC100365008	hypothetical protein	-12.5
LOC306766	hypothetical protein	28
LOC310926	hypothetical protein	-94
LOC689081	hypothetical protein	12.25
Lrp10	low density lipoprotein receptor-related protein 10	10.75
Lrriq3	leucine-rich repeats and IQ motif containing 3	-14.5
Ly9	lymphocyte antigen 9	26.5
Mab21l1	mab-21-like 1	-26
Maged2	melanoma antigen family D, 2	11.25
Matn1	matrilin 1, cartilage matrix protein	15.5
Mettl5	methyltransferase like 5	24.25
Mettl5	methyltransferase like 5	27.75
Milr1	mast cell immunoglobulin-like receptor 1	-39.25
Mir29b2	microRNA 29b-2	-40
Mir3556b	microRNA 3556b	-42
Mir3556b	microRNA 3556b	14.75

Atg10	autophagy-related protein 10	-9.5283
Atoh8	protein atonal homolog 8	9.5335
Atp1a2	sodium/potassium-transporting ATPase subunit	17.2844
Atp4b	potassium-transporting ATPase subunit beta	12.1087
Atp5c1	ATP synthase subunit gamma, mitochondrial	9.878
Atp5j	ATP synthase-coupling factor 6, mitochondrial	-8.206
Atp6ap1	V-type proton ATPase subunit S1 precursor	-9.0519
Atp6v1g1	V-type proton ATPase subunit G 1	-12.4556
Atpif1	ATPase inhibitor, mitochondrial precursor	-9.0708
Atxn1	ataxin-1	-8.8367
Aup1	ancient ubiquitous protein 1	10.0416
Aven	cell death regulator Aven	23.0447
Axin2	axin-2	-16.8263
B3gnt7	UDP-GlcNAc:betaGal	13.8934
Bad	bcl2 antagonist of cell death	11.8212
Bag3	BAG family molecular chaperone regulator 3	-12.1217
Barx1	BARX homeobox 1	12.1285
Bat4	HLA-B associated transcript 4	9.0531
Bcam	basal cell adhesion molecule	-8.1234
Bcdin3d	probable methyltransferase BCDIN3D	12.8425
Bckdha	2-oxoisovalerate dehydrogenase subunit alpha,	19.175
Bcl6b	B-cell CLL/lymphoma 6 member B protein	-8.3
Bhmt	betaine--homocysteine S-methyltransferase 1	17.9508
Bhmt2	betaine--homocysteine S-methyltransferase 2	18.1526
Blmh	bleomycin hydrolase	-10.6303
Bmf	bcl-2-modifying factor	10.721
Bmp2	bone morphogenetic protein 2 precursor	10.0033
Bmp4	bone morphogenetic protein 4 precursor	-8.8333
Bmpr1a	bone morphogenetic protein receptor type-1A	10.1475
Bola1	bolA-like protein 1	-8.3912
Boll	protein boule-like	17.056
Bpil2	bactericidal/permeability-increasing	9.542
Bpnt1	3'(2'),5'-bisphosphate nucleotidase 1	13.8148
Brd2	bromodomain-containing protein 2	-14.4017
Brd2	bromodomain-containing protein 2	-15.3688
Brd7	bromodomain-containing protein 7	-11.2151
Brf2	transcription factor IIIB 50 kDa subunit	-13.6226
Bruno6	CUGBP Elav-like family member 6	13.623
Btc	probetacellulin	9.415
Bub3	budding uninhibited by benzimidazoles 3 homolog	13.5424
C8g	complement component C8 gamma chain	-9.7855
Cacna2d2	voltage-dependent calcium channel subunit	16.1562
Cacnb3	voltage-dependent L-type calcium channel subunit	-12.9064
Cacng8	voltage-dependent calcium channel gamma-8	-15.7472
Cadm4	cell adhesion molecule 4 precursor	14.0733
Calm3	calmodulin	13.5058
Capn8	calpain-8	18.3396

Mllt10	myeloid/lymphoid or mixed-lineage leukemia; translocated to	20
Mmp14	matrix metalloproteinase 14 (membrane-inserted)	10.75
Mmp16	matrix metalloproteinase 16 (membrane-inserted)	11.25
Mthfd1l	methylenetetrahydrofolate dehydrogenase (NADP+ dependent)	16
Myct1	myc target 1	26.75
Myo3b	myosin IIIB	15.5
Ndst4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	-12.5
Negr1	neuronal growth regulator 1	-14.5
Nfatc1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dep	20.5
Nfatc1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dep	-33.5
Nkiras2	NFKB inhibitor interacting Ras-like 2	-12
Nol4	nucleolar protein 4	21.75
Nol4	nucleolar protein 4	-49.5
Npat	nuclear protein, ataxia-telangiectasia locus	-19.5
Nphp4	nephronophthisis 4	29
Nt5c3b	5'-nucleotidase, cytosolic IIIB	-18.75
Ntf3	neurotrophin 3	-11.25
Olr1259	olfactory receptor 1259	-29
Olr1455	olfactory receptor 1455	12.25
Oprm1	opioid receptor, mu 1	-20.25
P22k15	cystatin related protein 2	16.5
Papd7	PAP associated domain containing 7	13.25
Pcdh20	protocadherin 20	10
Pcdh9	protocadherin 9	10
Pdzrn4	PDZ domain containing ring finger 4	10.75
Pkdcc	protein kinase domain containing, cytoplasmic	19.75
Plek	pleckstrin	-23
Plekhg1	pleckstrin homology domain containing, family G with RhoGef domain) member 1	13
Plxdc2	plexin domain containing 2	20
Pmp22	peripheral myelin protein 22	11
Ppip5k2	diphosphoinositol pentakisphosphate kinase 2	15.5
Ppp1r14c	protein phosphatase 1, regulatory (inhibitor) subunit 14C	-42
Ppp1r14c	protein phosphatase 1, regulatory (inhibitor) subunit 14C	14.75
Prdx6	peroxiredoxin 6	-11
Prdx6	peroxiredoxin 6	-8
Prf1	perforin 1 (pore forming protein)	-11.75
Prpf18	pre-mRNA processing factor 18	-23.5
Ptpru	protein tyrosine phosphatase, receptor type, U	15.5
Rab39a	RAB39A, member RAS oncogene family	13
Rai1	retinoic acid induced 1	-17
Rasd1	RAS, dexamethasone-induced 1	-17
Rbfox1	RNA binding protein, fox-1 homolog	-8.25
RGD1311251	similar to RIKEN cDNA 4930550C14	-19.5
RGD1311458	hypothetical protein MGC27931	13
Rn5-8s	5.8S ribosomal RNA	-33.5
RT1-A1	RT1 class Ia, locus A1	20
RT1-A2	RT1 class Ia, locus A2	20

Capns2	calpain small subunit 2	18.0903
Cartpt	cocaine- and amphetamine-regulated transcript	10.7073
Caskin2	caskin-2	-10.155
Casp3	caspase-3	-12.97
Casp6	caspase 6	-13.0759
Casp9	caspase-9	-14.2467
Cbfa2t3	protein CBFA2T3	11.6383
Cbl1	E3 ubiquitin-protein ligase Hakai	-9.6412
Ccdc103	coiled-coil domain-containing protein 103	-8.1116
Ccdc46	coiled-coil domain-containing protein 46	16.7799
Ccdc47	coiled-coil domain-containing protein 47	-8.455
Ccdc47	coiled-coil domain-containing protein 47	-15.5442
Ccdc82	coiled-coil domain-containing protein 82	-11.95
Ccl27	chemokine (C-C motif) ligand 27	-11.1283
Ccnd2	G1/S-specific cyclin-D2	15.2816
Ccnd2	G1/S-specific cyclin-D2	12.9933
Cd248	endosialin	-9.0435
Cd38	ADP-ribosyl cyclase 1	13.8755
Cd3e	T-cell surface glycoprotein CD3 epsilon chain	9.9516
Cd3eap	DNA-directed RNA polymerase I subunit RPA34	8.445
Cd3eap	DNA-directed RNA polymerase I subunit RPA34	9.7033
Cd80	T-lymphocyte activation antigen CD80	8.8253
Cd9	CD9 antigen	-9.0966
Cd9	CD9 antigen	-12.8174
Cd99l2	CD99 antigen-like protein 2	-9.2697
Cdan1	congenital dyserythropoietic anemia, type I	-10.822
Cdc25b	M-phase inducer phosphatase 2	-12.8968
Cdc37l1	hsp90 co-chaperone Cdc37-like 1	-13.6825
Cdh5	cadherin-5	15.1739
Cdipt	CDP-diacylglycerol--inositol	11.4036
Cdk2ap2	cyclin-dependent kinase 2-associated protein 2	-12.38
Cdk6	cell division protein kinase 6	-12.8257
Cds2	phosphatidate cytidyltransferase 2	-15.0025
Cds2	phosphatidate cytidyltransferase 2	-17.438
Cebpa	CCAAT/enhancer-binding protein alpha	16.1843
Cep55	centrosomal protein of 55 kDa	-10.6979
Cept1	choline/ethanolaminephosphotransferase 1	-14.22
Ces2	carboxylesterase 2 isoform 2 precursor	8.8761
Cfd	complement factor D precursor	-18.1193
Cfdp1	craniofacial development protein 1	14.0805
Cfi	complement factor I precursor	15.6082
Chad	chondroadherin precursor	11.2737
Chdh	choline dehydrogenase, mitochondrial precursor	-8.7134
Chit1	chitotriosidase-1	14.3538
Chkb	choline/ethanolamine kinase	13.8648
Chp	calcium-binding protein p22	-10.0885
Chrm2	muscarinic acetylcholine receptor M2	10.4129
Chrm2	muscarinic acetylcholine receptor M2	10.4129

Scaf8	SR-related CTD-associated factor 8	-20.25
Scd	stearoyl-CoA desaturase (delta-9-desaturase)	-7.25
Scd1	stearoyl-CoA desaturase 5	-7.25
Sesn3	sestrin 3	31.25
Sgpl1	sphingosine-1-phosphate lyase 1	-11.75
Sgsm1	small G protein signaling modulator 1	19
Skint1	Skint-like, pseudogene	-9.25
Skint1	Skint-like, pseudogene	-16
Skint1	Skint-like, pseudogene	-9
Skint1	Skint-like, pseudogene	-23.5
Slc14a2	solute carrier family 14 (urea transporter), member 2	20.5
Slc14a2	solute carrier family 14 (urea transporter), member 2	-33.5
Slc14a2	solute carrier family 14 (urea transporter), member 2	-23.5
Slc35f2	solute carrier family 35, member F2	13
Slc7a13	solute carrier family 7 (anionic amino acid transporter), member 13	-9.5
Slc9a10	solute carrier family 9, subfamily C (Na+-transporting carboxylate symporter), member 10	12.5
Smco4	single-pass membrane protein with coiled-coil domains 4	18.75
Sncb	synuclein, beta	21
Sp5	Sp5 transcription factor	24.25
Sp5	Sp5 transcription factor	27.75
Sp5	Sp5 transcription factor	15.5
Spag8	sperm associated antigen 8	-12.5
Spice1	spindle and centriole associated protein 1	13
Tagln3	transgelin 3	-11.5
Taok3	TAO kinase 3	27.75
Thoc3	THO complex 3	28
Tle1	transducin-like enhancer of split 1	10
Tle1	transducin-like enhancer of split 1	15.25
Tm4sf1	transmembrane 4 L six family member 1	-26
Tmem114	transmembrane protein 114	-8.25
Tmprss7	transmembrane protease, serine 7	12.5
Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	-11
Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	-8
Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	23.5
Tram1l1	translocation associated membrane protein 1-like 1	-12.5
Tspan17	tetraspanin 17	21
Vom1r31	vomer nasal 1 receptor 31	18.75
Vstm5	V-set and transmembrane domain containing 5	-31
Vstm5	V-set and transmembrane domain containing 5	-16.75
Vstm5	V-set and transmembrane domain containing 5	-11.25
Vwf	von Willebrand factor	-11.25

Chrna10	neuronal acetylcholine receptor subunit alpha-10	14.2433
Chrna5	neuronal acetylcholine receptor subunit alpha-5	-9.3844
Chrbn1	acetylcholine receptor subunit beta precursor	-10.2159
Chrnd	acetylcholine receptor subunit delta precursor	14.705
Cidea	cell death-inducing DFFA-like effector a	-9.9278
Cidec	cell death activator CIDE-3	10.5517
Cilp2	cartilage intermediate layer protein 2	8.24
Cirbp	cold-inducible RNA-binding protein	-17.6506
Cit	citron Rho-interacting kinase	12.8242
Cit	citron Rho-interacting kinase	-13.4259
Cited4	cbp/p300-interacting transactivator 4	-12.25
Ckap4	cytoskeleton-associated protein 4	-14.5765
Clasp2	CLIP-associating protein 2	9.3135
Cldn12	claudin 12	18.4937
Cldn22	claudin-22	10.3882
Cldn7	claudin-7	15.3207
Cldn8	claudin-8	18.5303
Cldn9	claudin-9	-11.9234
Clic3	chloride intracellular channel 3	20.2275
Clip2	CAP-Gly domain-containing linker protein 2	-12.7104
Clps	colipase precursor	14.0089
Clrn2	clarin-2	-14.2023
Clrn3	clarin-3	17.7015
Clstn2	calsyntenin-2 precursor	11.16
Cnih4	protein cornichon homolog 4	8.973
Cnksr1	connector enhancer of kinase suppressor of ras	11.3016
Coasy	bifunctional coenzyme A synthase	11.9917
Coil	coilin	-10.4144
Col2a1	collagen alpha-1(II) chain precursor	12.8077
Col4a3bp	collagen type IV alpha-3-binding protein	14.9771
Col9a2	collagen alpha-2(IX) chain	19.2557
Col9a2	collagen alpha-2(IX) chain	19.2118
Colq	acetylcholinesterase collagenic tail peptide	8.1323
Comm6	COMM domain-containing protein 6	-16.9651
Cope	coatamer subunit epsilon	-9.4143
Cops5	COP9 signalosome complex subunit 5	-8.7421
Cops6	COP9 signalosome complex subunit 6	-15.7645
Coq4	ubiquinone biosynthesis protein COQ4 homolog,	-14.6102
Coro1a	coronin-1A	16.3281
Coro7	coronin-7	11.1566
Cox5b	cytochrome c oxidase subunit 5B, mitochondrial	15.2275
Cox7a2l	cytochrome c oxidase subunit VIIa polypeptide 2	11.6957
Cpeb1	cytoplasmic polyadenylation element-binding	8.9133
Cpne3	copine-3	-14.5053
Cpne7	copine-7	-10.4988
Cpt1b	carnitine O-palmitoyltransferase 1, muscle	13.8648
Cpz	carboxypeptidase Z precursor	-13.5418
Crebl2	cAMP-responsive element-binding protein-like 2	-13.8786

Crh	corticoliberin precursor	-13.2007
Crlf1	cytokine receptor-like factor 1	-12.429
Crlf1	cytokine receptor-like factor 1	-11.6817
Crygb	gamma-crystallin B	9.9099
Crygd	gamma-crystallin D	10.5397
Cryz	quinone oxidoreductase	-9.1072
Csgalnact1	chondroitin sulfate	11.6587
Csgalnact2	chondroitin sulfate	11.275
Csn1s1	alpha-S1-casein precursor	17.2521
Csrnp1	cysteine/serine-rich nuclear protein 1	21.5925
Csrp1	cysteine and glycine-rich protein 1	23.4048
Csrp2	cysteine and glycine-rich protein 2	9.9645
Cst6	cystatin-M	-9.3338
Cstf2t	cleavage stimulation factor subunit 2 tau	12.5222
Ctdp1	RNA polymerase II subunit A C-terminal domain	11.4861
Ctps2	CTP synthase 2	11.1617
Ctsw	cathepsin W	-12.765
Cttn	cortactin isoform B	-11.8417
Cttnbp2nl	CTTNBP2 N-terminal like	-10.4033
Cuta	protein CutA isoform 2	-13.1403
Cuta	protein CutA isoform 2	-13.1403
Cuta	protein CutA isoform 1	-13.1403
Cxcl11	C-X-C motif chemokine 11	16.9313
Cxcl17	VEGF co-regulated chemokine 1	14.5152
Cxcl9	C-X-C motif chemokine 9	-13.252
Cxcr7	C-X-C chemokine receptor type 7	-10.7936
Cxxc4	CXXC-type zinc finger protein 4	-14.8394
Cyb5r3	NADH-cytochrome b5 reductase 3	-14.2766
Cyba	cytochrome b-245 light chain	18.6526
Cyp1a1	cytochrome P450 1A1	-10.8916
Cyp24a1	1,25-dihydroxyvitamin D(3) 24-hydroxylase,	9.0285
Cyp26a1	cytochrome P450, family 26, subfamily a,	-11.66
Cyp2s1	cytochrome P450 2S1	-15.4008
Cyp3a23/3a1	cytochrome P450 3A1	14.8145
Cyp4f5	cytochrome P450 4F5	-14.497
Cyth2	cytohesin-2	-15.1706
Cytsb	cytospin-B	14.355
D2hgdh	D-2-hydroxyglutarate dehydrogenase,	-8.3178
Dab2ip	disabled homolog 2-interacting protein	-14.5141
Dagla	sn1-specific diacylglycerol lipase alpha	-8.52
Dapk1	death-associated protein kinase 1	-9.1483
Dars	aspartyl-tRNA synthetase, cytoplasmic	-10.4425
Dbp	D site-binding protein	20.153
Dcaf15	DDB1- and CUL4-associated factor 15	8.0515
Dcaf4	DDB1- and CUL4-associated factor 4	12.7866
Dcc	netrin receptor DCC	-11.7827
Dck	deoxycytidine kinase	-16.9412
Dck	deoxycytidine kinase	-15.2423

Dctn3	dynactin 3	-14.7878
Ddx39	ATP-dependent RNA helicase DDX39	-10.0483
Ddx42	ATP-dependent RNA helicase DDX42	-8.455
Ddx42	ATP-dependent RNA helicase DDX42	-15.5442
Ddx49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	-9.4143
Depdc7	DEP domain-containing protein 7	14.7491
Dgcr2	integral membrane protein DGCR2/IDD	-11.8887
Dgcr6	protein DGCR6	13.3213
Dhh	desert hedgehog	-10.8455
Dhodh	dihydroorotate dehydrogenase, mitochondrial	22.8677
Dhrsx	dehydrogenase/reductase (SDR family) X-linked	-9.215
Dhx36	probable ATP-dependent RNA helicase DHX36	8.7496
Dhx8	ATP-dependent RNA helicase DHX8	16.0142
Dio1	type I iodothyronine deiodinase	15.5147
Disp1	protein dispatched homolog 1	10.59
Disp2	protein dispatched homolog 2	10.6939
Dmgdh	dimethylglycine dehydrogenase, mitochondrial	18.1526
Dmrtc1c	DMRT-like family C1c	16.2115
Dmtf1	cyclin-D-binding Myb-like transcription factor	-11.5672
Dnaja3	dnaJ homolog subfamily A member 3, mitochondrial	11.1566
Dnajc10	dnaJ homolog subfamily C member 10 precursor	-12.068
Dnajc16	dnaJ homolog subfamily C member 16 precursor	-14.2467
Dnajc4	dnaJ homolog subfamily C member 4	-12.2243
Dnajc5g	dnaJ homolog subfamily C member 5G	15.1881
Dnajc8	dnaJ homolog subfamily C member 8	-9.0708
Dnase1l1	deoxyribonuclease-1-like 1 precursor	10.34
Dpqr1	diffuse panbronchiolitis critical region 1	8.9811
Dpf1	zinc finger protein neuro-d4	-12.6478
Dph1	diphthamide biosynthesis protein 1	-13.0947
Dpp7	dipeptidyl peptidase 2 precursor	-9.7125
Dpy30	protein dpy-30 homolog	12.7698
Dpy30	protein dpy-30 homolog	12.7698
Dpys4	dihydropyrimidinase-related protein 4	-10.6813
Dqx1	ATP-dependent RNA helicase DQX1	10.0416
Dram2	DNA damage-regulated autophagy modulator protein	-14.22
Dtd1	D-tyrosyl-tRNA(Tyr) deacylase 1	-8.7916
Dtwd1	DTW domain-containing protein 1	11.485
Dtwd1	DTW domain-containing protein 1	10.7883
Dusp9	dual specificity protein phosphatase 9	16.7915
Dyrk1a	dual specificity	8.9088
Dysfip1	dysferlin-interacting protein 1	-15.7477
E030032D13Rik	surfactant associated protein G	8.9811
E2f3	transcription factor E2F3	-14.9673
Ece2	endothelin-converting enzyme 2	-12.3277
Edn3	endothelin-3 precursor	-11.4336
Eef1g	elongation factor 1-gamma	-12.5642
Efemp2	EGF-containing fibulin-like extracellular matrix	-12.765
Efhc1	EF-hand domain (C-terminal) containing 1	-11.9165

Efhd2	EF-hand domain-containing protein D2	-11.1307
Efna1	ephrin-A1 precursor	17.681
Efna2	ephrin A2	21.0213
Efnb3	ephrin B3	-13.7667
Egfl8	epidermal growth factor-like protein 8 isoform	10.417
Egfl8	epidermal growth factor-like protein 8 isoform	10.417
Eif2a	eukaryotic translation initiation factor 2A	-10.4788
Eif2ak4	eukaryotic translation initiation factor 2-alpha	-14.2333
Eif2b3	translation initiation factor eIF-2B subunit	-15.9589
Eif3c	eukaryotic translation initiation factor 3	-14.6368
Eif3k	eukaryotic translation initiation factor 3	10.85
Eif4b	eukaryotic translation initiation factor 4B	-13.3281
Elf5	ETS-related transcription factor Elf-5	11.2799
Eme1	crossover junction endonuclease EME1	-19.4205
Emilin3	elastin microfibril interfacier 3	14.9539
Eml2	echinoderm microtubule-associated protein-like	-15.0511
Entpd3	ectonucleoside triphosphate diphosphohydrolase	10.3034
Epha1	ephrin type-A receptor 1	14.9267
Epha2	ephrin type-A receptor 2	-14.4656
ErbB3	receptor tyrosine-protein kinase erbB-3	-12.8281
Erc1	ELKS/Rab6-interacting/CAST family member 1	10.8717
Espn	espin	12.674
Esr2	estrogen receptor beta	12.5412
Ethe1	protein ETHE1, mitochondrial	-8.035
Ets1	protein C-ets-1	12.4511
Etv4	ETS translocation variant 4	-12.9308
Exd1	exonuclease 3'-5' domain-containing protein 1	-10.0885
Exosc5	exosome complex exonuclease RRP46	19.175
Exosc8	exosome complex exonuclease RRP43	-15.7068
Fabp2	fatty acid-binding protein, intestinal	11.4359
Fabp4	fatty acid-binding protein, adipocyte	11.748
Fabp6	gastrotropin	8.7332
Fam108a1	abhydrolase domain-containing protein FAM108A	-14.3626
Fam110b	hypothetical protein LOC500400	9.299
Fam120b	constitutive coactivator of peroxisome	-10.0517
Fam158a	hypothetical protein LOC290224	-17.5832
Fam163a	family with sequence similarity 163, member A	14.8019
Fam174a	membrane protein FAM174A precursor	15.5025
Fam195b	hypothetical protein LOC360677	-15.7477
Fam20a	family with sequence similarity 20, member A	-13.5018
Fam20c	dentin matrix protein 4	-13.4213
Fam43a	family with sequence similarity 43, member A	11.9242
Fam48a	family with sequence similarity 48, member A	-12.0944
Fam64a	family with sequence similarity 64, member A	-15.5769
Fam72a	hypothetical protein LOC681249	-15.771
Fam82b	regulator of microtubule dynamics protein 1	-14.5053
Fam96b	family with sequence similarity 96, member B	-13.8691
Fanca	Fanconi anemia, complementation group A	-13.6556



Fastk	fas-activated serine/threonine kinase	-9.6875
Fastkd1	FAST kinase domain-containing protein 1	20.1356
Fbxl15	F-box only protein 37	11.88
Fbxo18	F-box only protein 18	13.4477
Fbxo2	F-box only protein 2	11.451
Fbxo2	F-box only protein 2	-9.8634
Fbxo44	F-box only protein 44	11.451
Fbxo44	F-box only protein 44	-9.8634
Fbxo44	F-box only protein 44	19.2561
Fbxw5	F-box/WD repeat-containing protein 5	-9.7855
Fdxr	NADPH:adrenodoxin oxidoreductase, mitochondrial	-9.82
Fgf11	fibroblast growth factor 11	-10.2159
Fgf17	fibroblast growth factor 17 precursor	-14.8572
Fgf20	fibroblast growth factor 20	9.0438
Fgf3	fibroblast growth factor 3	16.0867
Fgfr1	basic fibroblast growth factor receptor 1	9.3243
Fgfr3	fibroblast growth factor receptor 3	-13.676
Fhl1	four and a half LIM domains protein 1 isoform 2	8.4838
Fhod1	FH1/FH2 domain-containing protein 1	-10.2909
Fibin	fin bud initiation factor homolog precursor	14.0148
Figf	vascular endothelial growth factor D precursor	9.1868
Fiz1	flt3-interacting zinc finger protein 1	-12.7083
Fktn	fukutin	9.0558
Flot1	flotillin-1	-12.3661
Foxm1	forkhead box protein M1	-10.7406
Fscn3	fascin-3	-12.3208
Fstl3	folliculin-related protein 3 precursor	-12.6172
Ftsjd1	ftsJ methyltransferase domain-containing protein	-10.074
G3bp2	ras GTPase-activating protein-binding protein 2	13.2205
G7c	protein G7c precursor	12.7037
Gabpa	GA-binding protein alpha chain	-8.206
Gabra1	gamma-aminobutyric acid receptor subunit alpha-1	15.1548
Gabre	gamma-aminobutyric acid receptor subunit	-10.5908
Gabrp	gamma-aminobutyric acid receptor subunit pi	13.0966
Gal	galanin preproprotein	9.8441
Gal3st4	galactose-3-O-sulfotransferase 4	8.79
Galnt14	putative polypeptide	18.4327
Ganab	neutral alpha-glucosidase AB	-8.3917
Gar1	H/ACA ribonucleoprotein complex subunit 1	15.6082
Gas6	growth arrest-specific protein 6 precursor	10.0716
Gbf1	Golgi-specific brefeldin A-resistance guanine	13.736
Gcom1	GRINL1A complex locus protein 1	-13.5576
Gdap111	ganglioside-induced differentiation-associated	9.9368
Gdi1	rab GDP dissociation inhibitor alpha	-9.0519
Gfra3	GDNF family receptor alpha-3	10.0296
Gfra4	GDNF family receptor alpha-4	10.908
Ghitm	growth hormone-inducible transmembrane protein	-8.9357
Ghrl	appetite-regulating hormone preproprotein	12.3188

Gin1	gypsy retrotransposon integrase-like protein 1	-11.7019
Gipc1	PDZ domain-containing protein GIPC1	11.8044
Git1	ARF GTPase-activating protein GIT1	-15.7483
Git1	ARF GTPase-activating protein GIT1	10.2418
Git1	ARF GTPase-activating protein GIT1	-8.8654
Gjb6	gap junction beta-6 protein	9.5782
Glb1l	galactosidase, beta 1-like	13.2294
Gle1	nucleoporin GLE1	-9.746
Gm2a	ganglioside GM2 activator	-9.7925
Gmfg	glia maturation factor gamma	9.9879
Gmppa	mannose-1-phosphate guanyltransferase alpha	9.7133
Gna14	guanine nucleotide-binding protein subunit	10.9637
Gnai2	guanine nucleotide-binding protein G(i) subunit	-11.0774
Gnb2	guanine nucleotide-binding protein	-10.3
Gnrhr	gonadotropin-releasing hormone receptor	10.191
Golga3	Golgin subfamily A member 3	-11.3525
Gopc	golgi associated PDZ and coiled-coil motif	-8.36
Got1	aspartate aminotransferase, cytoplasmic	-9.6923
Gpc2	glypican-2 precursor	8.79
Gpcpd1	putative glycerophosphocholine phosphodiesterase	-10.6867
Gper	G-protein coupled estrogen receptor 1	16.1186
Gpr12	G-protein coupled receptor 12	10.84
Gpr12	G-protein coupled receptor 12	10.84
Gpr137	integral membrane protein GPR137	11.8212
Gpr146	probable G-protein coupled receptor 146	-12.2366
Gpr15	G-protein coupled receptor 15	21.8174
Gpr157	probable G-protein coupled receptor 157	-9.7817
Gpr173	probable G-protein coupled receptor 173	13.5497
Gpr44	G protein-coupled receptor 44	-11.2358
Gpr68	ovarian cancer G-protein coupled receptor 1	15.0089
Gpr88	probable G-protein coupled receptor 88	-10.2457
Gpx7	glutathione peroxidase 7	-11.0298
Grem1	gremlin-1 precursor	11.0741
Grid2	glutamate receptor delta-2 subunit precursor	-14.7307
Grin2a	glutamate [NMDA] receptor subunit epsilon-1	12.1992
Grin2b	glutamate [NMDA] receptor subunit epsilon-2	-14.4484
Grm2	metabotropic glutamate receptor 2 precursor	-8.505
Grrp1	glycine/arginine-rich protein 1	15.5726
Gspt1	eukaryotic peptide chain release factor	-11.7734
Gstcd	glutathione S-transferase C-terminal	-8.8008
Gtf2h2	general transcription factor IIH subunit 2	16.7766
Gtf3c6	general transcription factor 3C polypeptide 6	-9.8065
Guca1b	guanylyl cyclase-activating protein 2	-21.173
Gucy2c	heat-stable enterotoxin receptor precursor	18.5323
Gucy2d	olfactory guanylyl cyclase GC-D precursor	-12.2568
Gys2	glycogen [starch] synthase, liver	9.3202
Gzmm	granzyme M	-11.48
H1fnt	testis-specific H1 histone	11.9443

Hagl	hydroxyacylglutathione hydrolase-like	20.2712
Hapln3	hyaluronan and proteoglycan link protein 3	-12.6817
Harbi1	putative nuclease HARBI1	15.9005
Hat1	histone acetyltransferase type B catalytic	-9.9555
Hdac3	histone deacetylase 3	-11.8654
Heca	headcase protein homolog	10.4364
Hes2	transcription factor HES-2	12.674
Hes7	transcription factor HES-7	15.1469
Hexa	beta-hexosaminidase subunit alpha precursor	12.0717
Hif1an	hypoxia-inducible factor 1-alpha inhibitor	-15.9521
Hist1h2aa	histone H2A type 4	13.8563
Hist1h2ba	histone H2B type 1-A	13.8563
Hn1l	hematological and neurological expressed 1-like	-10.9217
Hnrnpa3	heterogeneous nuclear ribonucleoprotein A3	22.1035
Hnrnpab	heterogeneous nuclear ribonucleoprotein A/B	-10.4537
Hnrnpf	heterogeneous nuclear ribonucleoprotein F	-9.09
Hnrnpf	heterogeneous nuclear ribonucleoprotein F	-9.545
Hnrnpf	heterogeneous nuclear ribonucleoprotein F	-9.545
Hnrpd	heterogeneous nuclear ribonucleoprotein D0	-15.8102
Hnrpm	heterogeneous nuclear ribonucleoprotein M	-8.2734
Hoxa10	homeo box A10	-11.568
Hoxa9	homeobox protein Hox-A7	-13.0178
Hoxb7	homeobox protein Hox-B7	15.7984
Hoxb8	homeobox protein Hox-B8	15.7984
Hrk	activator of apoptosis harakiri	13.4584
Hsd17b1	estradiol 17-beta-dehydrogenase 1	11.9917
Hsd17b10	3-hydroxyacyl-CoA dehydrogenase type-2	-13.2072
Hsd17b8	estradiol 17-beta-dehydrogenase 8	9.8722
Hsd17b8	estradiol 17-beta-dehydrogenase 8	-8.9802
Hspa8	heat shock cognate 71 kDa protein	-10.0975
Hspa8	heat shock cognate 71 kDa protein	-13.2347
Htr5a	5-hydroxytryptamine receptor 5A	-14.3789
Htr7	5-hydroxytryptamine receptor 7	-13.2085
Htra2	serine protease HTRA2, mitochondrial	10.0416
Iapp	islet amyloid polypeptide precursor	11.5028
Iars	isoleucyl-tRNA synthetase, cytoplasmic	15.4599
Ier3	immediate early response 3	-12.3661
Ifngr1	interferon gamma receptor 1	-9.8424
Ifnk	interferon kappa	11.0533
Ift74	intraflagellar transport protein 74 homolog	-8.2974
Ift80	intraflagellar transport protein 80 homolog	17.6405
Igf2	insulin-like growth factor II isoform 2	-12.395
Igf2	insulin-like growth factor II isoform 2	-12.395
Igf2	insulin-like growth factor II isoform 1	-12.395
Igfbp2	insulin-like growth factor-binding protein 2	-12.6118
Igfbp6	insulin-like growth factor-binding protein 6	11.9906
Igsf8	immunoglobulin superfamily member 8	8.3083
Ikzf3	zinc finger protein Aiolos	11.2856

lkzf5	zinc finger protein Pegasus	-11.7253
Il13ra1	interleukin-13 receptor subunit alpha-1	10.7378
Il13ra1	interleukin-13 receptor subunit alpha-1	8.4275
Il17rb	interleukin-17 receptor B	-8.7134
Il4ra	interleukin-4 receptor subunit alpha precursor	-11.6633
Immt	mitochondrial inner membrane protein	-11.2
Inhbe	inhibin beta E chain precursor	16.2284
Inpp5a	inositol polyphosphate-5-phosphatase A	9.1735
Inpp1	phosphatidylinositol-3,4,5-trisphosphate	-10.6217
Ins2	insulin-2 preproprotein	16.1987
Ins13	insulin-like 3 precursor	10.2781
Ints12	integrator complex subunit 12	-8.8008
Ints5	integrator complex subunit 5	-8.3917
lpo13	importin-13	-11.3243
lpo4	importin-4	13.885
lqsec3	IQ motif and SEC7 domain-containing protein 3	-11.7075
lqub	IQ and ubiquitin-like domain-containing protein	13.4657
Irf5	interferon regulatory factor 5	10.5507
Irf7	interferon regulatory factor 7	-10.6184
Irx3	iroquois-class homeodomain protein IRX-3	-11.3725
Iscu	iron-sulfur cluster assembly enzyme ISCU,	-15.5598
Itfg1	T-cell immunomodulatory protein precursor	13.9479
Itgb6	integrin beta-6 precursor	11.6372
ltp2	inositol 1,4,5-trisphosphate receptor type 2	-19.4436
Jak3	tyrosine-protein kinase JAK3	9.9883
Jrkl	jerky protein homolog-like	-11.95
Jun	transcription factor AP-1	11.5566
Kat3	kynurenine--oxoglutarate transaminase 3	9.0366
Kbtbd10	kelch repeat and BTB domain-containing protein	15.4132
Kbtbd7	kelch repeat and BTB (POZ) domain containing 7	15.1377
Kbtbd8	kelch repeat and BTB domain-containing protein	-16.8795
Kcnab1	voltage-gated potassium channel subunit beta-1	9.8276
Kcnab1	voltage-gated potassium channel subunit beta-1	14.8723
Kcnc2	potassium voltage-gated channel subfamily C	-12.8503
Kcnc2	potassium voltage-gated channel subfamily C	-12.8503
Kcnf1	potassium voltage-gated channel, subfamily F,	8.8487
Kcng1	potassium voltage-gated channel subfamily G	11.9837
Kcnj1	ATP-sensitive inward rectifier potassium channel	11.2512
Kcnj3	G protein-activated inward rectifier potassium	-9.1189
Kcnk4	potassium channel subfamily K member 4	11.8212
Kcnmb3	calcium-activated potassium channel subunit	11.3455
Kcnv2	potassium voltage-gated channel subfamily V	12.4082
Kctd15	potassium channel tetramerisation domain	10.5929
Kctd5	BTB/POZ domain-containing protein KCTD5	12.8183
Kdm4a	lysine-specific demethylase 4A	16.2793
Khk	ketoheokinase	-12.7455
Kif26b	kinesin family member 26B	-9.48
Kif3c	kinesin-like protein KIF3C	12.6711

Kif5c	kinesin heavy chain isoform 5C	20.5557
Kin	DNA/RNA-binding protein KIN17	9.878
Kl	klotho precursor	10.3434
Klc4	kinesin light chain 4	16.3429
Klf16	Krueppel-like factor 16	-10.8575
Klhdc3	kelch domain-containing protein 3	-11.4041
Kpna2	importin subunit alpha-2	-12.8258
Krt23	keratin, type I cytoskeletal 23	19.5968
Krt25	keratin, type I cytoskeletal 25	14.5889
Krt27	keratin, type I cytoskeletal 27	14.814
Lamp2	lysosome-associated membrane glycoprotein 2	-11.9988
Large	glycosyltransferase-like protein LARGE1	-17.7131
Lat2	linker for activation of T-cells family member	9.7263
Lca5l	Lebercilin-like protein	-8.7698
Lcn12	epididymal-specific lipocalin-12	-9.7855
Ldha	L-lactate dehydrogenase A chain	-18.8794
Lepr	leptin receptor precursor	-10.3108
Leprot	leptin receptor gene-related protein	-10.3108
Leprot1	leptin receptor overlapping transcript-like 1	9.7408
Lgr5	leucine-rich repeat-containing G-protein coupled	-12.5974
Lig1	DNA ligase 1 isoform 2	-12.3983
Lig1	DNA ligase 1 isoform 1	-12.3983
Lime1	lck-interacting transmembrane adapter 1	9.5043
Lin7c	protein lin-7 homolog C	-14.0833
Lipc	hepatic triacylglycerol lipase precursor	17.3172
Lipf	gastric triacylglycerol lipase precursor	13.2224
Lipi	lipase member I	11.03
Lix1l	LIX1-like protein	-9.1861
Llg1	lethal(2) giant larvae protein homolog 1	-11.2217
Lmf2	lipase maturation factor 2	-14.5792
Lmf2	lipase maturation factor 2	-13.2722
Lmo4	LIM domain transcription factor LMO4	14.8685
LOC293103	lethal, Chr 7, Rinchik 6	-10.7485
LOC301289	hypothetical protein LOC301289	20.264
LOC302495	RAP2C, member of RAS oncogene family	17.6908
LOC304131	TAK1-like protein	-13.2456
LOC305076	digestive organ expansion factor homolog	11.5389
LOC361635	hypothetical protein LOC361635	-12.0673
LOC361776	hypothetical protein LOC361776	21.9642
LOC361990	Friend of PRMT1 protein	-12.7341
LOC367975	hypothetical protein LOC367975	13.9269
LOC367994	hypothetical protein LOC367994	11.1644
LOC498063	hypothetical protein LOC498063	12.42
LOC498063	hypothetical protein LOC498063	15.541
LOC499331	hypothetical protein LOC499331	-8.4534
LOC499407	hypothetical protein LOC499407	12.3381
LOC499418	hypothetical protein LOC499418	13.7556
LOC499584	hypothetical protein LOC499584	10.0097

LOC499719	hypothetical protein LOC499719	11.6766
LOC499980	coiled-coil domain-containing protein 146	13.8482
LOC500028	hypothetical protein LOC500028	-14.1202
LOC500028	hypothetical protein LOC500028	20.907
LOC500034	hypothetical protein LOC500034	-11.7046
LOC500118	hypothetical protein LOC500118	12.1696
LOC500124	hypothetical protein LOC500124	-15.4345
LOC500227	hypothetical protein LOC500227	-12.4088
LOC500475	hypothetical protein LOC500475	-13.8856
LOC500705	EF-hand domain-containing protein C14orf143	-13.5054
LOC606294	KIF1-binding protein	14.212
LOC679805	hypothetical protein LOC679805	-8.2065
LOC680489	hypothetical protein LOC680489	-12.3737
LOC681578	E3 ubiquitin-protein ligase RNF13	-15.399
LOC685391	hypothetical protein LOC685391	17.1254
LOC685406	hypothetical protein LOC685406	14.75
LOC686031	hypothetical protein LOC686031	10.0707
LOC688553	hypothetical protein LOC688553	10.7252
LOC689226	hypothetical protein LOC689226	-9.7605
LOC690435	hypothetical protein LOC690435	18.3508
LOC690871	hypothetical protein LOC690871	-10.89
LOC691153	hypothetical protein LOC691153	-10.5883
Lonp2	lon protease homolog 2, peroxisomal	-11.9883
Loxl4	lysyl oxidase homolog 4	-11.5823
Lpo	lactoperoxidase	10.7703
Lrp1b	low density lipoprotein-related protein 1B	10.5538
Lrpap1	alpha-2-macroglobulin receptor-associated	-8.5505
Lrrc20	leucine-rich repeat-containing protein 20	15.527
Lrrc28	leucine-rich repeat-containing protein 28	-11.3287
Ltbp4	latent transforming growth factor beta binding	14.8925
Ly6e	lymphocyte antigen 6E	-13.2266
Ly6g5b	lymphocyte antigen 6 complex locus protein G5b	9.0531
Lyg1	lysozyme g-like protein 1 precursor	10.9671
Lyn	tyrosine-protein kinase Lyn isoform A	9.1584
Macf1	microtubule-actin crosslinking factor 1	19.9535
Maf1	repressor of RNA polymerase III transcription	12.2783
Mafk	transcription factor MafK	-18.2535
Mamdc4	apical endosomal glycoprotein precursor	10.3232
Map1lc3a	microtubule-associated proteins 1A/1B light	15.464
Map1s	microtubule-associated protein 1S	-9.5293
Map3k1	mitogen-activated protein kinase kinase kinase	17.3978
Map4k1	mitogen-activated protein kinase kinase kinase	10.85
Map7d1	MAP7 domain-containing protein 1	13.0781
Map7d1	MAP7 domain-containing protein 1	-14.822
Mapk3	mitogen-activated protein kinase 3	14.79
Maz	MYC-associated zinc finger protein	8.0817
Mbp	Golli-Mbp isoform 1	17.3745
Mcf2l	guanine nucleotide exchange factor DBS	-8.6856

Mcf2l	guanine nucleotide exchange factor DBS	14.6208
Mea1	male-enhanced antigen 1	-11.4041
Mecom	MDS1 and EV1 complex locus protein EV1	12.157
Mecr	trans-2-enoyl-CoA reductase, mitochondrial	-13.4875
Med10	mediator complex subunit 10	-10.5878
Med16	mediator of RNA polymerase II transcription	-16.5406
Med17	mediator of RNA polymerase II transcription	9.8183
Med28	mediator of RNA polymerase II transcription	-17.6922
Mei1	meiosis inhibitor protein 1	-16.4322
Metap2	methionine aminopeptidase 2	11.8931
Mettl7a	methyltransferase-like protein 7A	-12.5356
Mfsd3	major facilitator superfamily domain-containing	-8.8134
Mfsd7	major facilitator superfamily domain-containing	12.9658
MGC114492	hypothetical protein LOC317324	10.2671
MGC114520	hypothetical protein LOC315915	8.735
MGC94282		-10.7406
MGC94282		-10.7406
Mgst1	microsomal glutathione S-transferase 1	12.5129
Mir195		-8.3
Mir219-1		9.8722
Mir219-1		-8.9802
Mir330		-15.0511
Mir339		-12.2366
Mir3569		11.3387
Mir483		-12.395
Mir497		-8.3
Mir702		-9.9645
Mis12	protein MIS12 homolog	-13.9606
Mis12	protein MIS12 homolog	16.867
Mkks	McKusick-Kaufman/Bardet-Biedl syndromes putative	12.2112
Mlf1ip	centromere protein U	-14.921
Mlph	melanophilin	13.1052
Mlx	transcription factor-like 4	-9.3608
Morn1	MORN repeat-containing protein 1	-12.7763
Morn5	MORN repeat-containing protein 5	18.997
Moxd2	monooxygenase, DBH-like 2	18.4012
Mpst	3-mercaptopyruvate sulfurtransferase	8.85
Mpst	3-mercaptopyruvate sulfurtransferase	12.4805
mrpl11	39S ribosomal protein L11, mitochondrial	-18.4846
Mrpl12	39S ribosomal protein L12, mitochondrial	14.2308
Mrpl27	39S ribosomal protein L27, mitochondrial	-19.4205
Mrpl35	39S ribosomal protein L35, mitochondrial	-11.2
Mrpl38	39S ribosomal protein L38, mitochondrial	-14.4202
Mrpl43	39S ribosomal protein L43, mitochondrial	10.935
Mrps9	mitochondrial ribosomal protein S9	-17.8071
Mst1r	macrophage-stimulating protein receptor	15.9605
Mt1a	metallothionein-1	-10.9501
Mt2A	metallothionein 2A	-10.9501

Mtch2	mitochondrial carrier homolog 2	-8.7269
Mtf1	metal regulatory transcription factor 1	-9.128
Mthfd2l	probable bifunctional methylenetetrahydrofolate	-15.416
Mthfd2l	probable bifunctional methylenetetrahydrofolate	-12.9286
Mtmt14	myotubularin-related protein 14	14.0979
Mtmt7	myotubularin-related protein 7	-10.8296
Mtor	serine/threonine-protein kinase mTOR	10.0935
Mtus1	microtubule-associated tumor suppressor 1	-10.1619
Murc	muscle-related coiled-coil protein	13.4414
Mvp	major vault protein	8.222
Mybpc2	myosin-binding protein C, fast-type	13.3269
Myo5b	myosin-Vb	16.8172
Mypop	myb-related transcription factor, partner of	17.5268
Mypop	myb-related transcription factor, partner of	12.72
Myrip	rab effector MyRIP	20.6589
Nab1	NGFI-A-binding protein 1	-9.1853
Nagpa	N-acetylglucosamine-1-phosphodiester	-12.5607
Nags	N-acetylglutamate synthase, mitochondrial	-15.996
Nags	N-acetylglutamate synthase, mitochondrial	16.3127
Nap1l2	nucleosome assembly protein 1-like 2	16.4368
Napa	alpha-soluble NSF attachment protein	12.959
Ncapd3	non-SMC condensin II complex, subunit D3	16.1786
Ncaph2	condensin-2 complex subunit H2	-14.5792
Ncaph2	condensin-2 complex subunit H2	-13.2722
Ndufa6	NADH dehydrogenase [ubiquinone] 1 alpha	20.904
Ndufa8	NADH dehydrogenase [ubiquinone] 1 alpha	18.997
Ndufb11	NADH dehydrogenase [ubiquinone] 1 beta	10.4473
Ndufb8	NADH dehydrogenase [ubiquinone] 1 beta	-15.9521
Necab3	N-terminal EF-hand calcium binding protein 3	12.6335
Nedd1	protein NEDD1	9.2485
Nek11	serine/threonine-protein kinase Nek11	-8.7333
Nek8	serine/threonine-protein kinase Nek8	-13.8433
Nell1	protein kinase C-binding protein NELL1	-16.7666
Nepn	nephrocan	-8.36
Neu4	sialidase-4	10.0707
Neurod6	neurogenic differentiation 6	11.1507
Neurog1	neurogenin-1	-8.5056
Ngdn	neuroguidin	-13.8259
Ngfr	tumor necrosis factor receptor superfamily	-15.8421
Nhlh2	helix-loop-helix protein 2	-12.6084
Nif3l1	NIF3-like protein 1	-11.1576
Nkain4	sodium/potassium-transporting ATPase subunit	13.0343
Nkapl	NKAP-like protein	17.89
Nkx2-2	NK2 homeobox 2	19.2614
NMS	neuromedin-S precursor	9.7247
Nomo1	nodal modulator 1	-14.1499
Notch1	neurogenic locus notch homolog protein 1	8.635
Notch3	neurogenic locus notch homolog protein 3	-12.8441



Nox4	NADPH oxidase 4	-12.0305
Npas4	neuronal PAS domain-containing protein 4	-12.882
Npffr2	neuropeptide FF receptor 2	8.9328
Nphs1	nephrin	10.9049
Npr3	atrial natriuretic peptide receptor 3 precursor	14.6095
Nptx2	neuronal pentraxin-2 precursor	9.1213
Nqo2	ribosyldihydropyridine dehydrogenase	8.3595
Nr3c2	mineralocorticoid receptor	12.27
Nr4a2	nuclear receptor subfamily 4 group A member 2	16.1224
Nradd	neurotrophin receptor associated death domain	-13.533
Nrd1	nardilysin precursor	-8.1717
Nrsn2	neurensin-2	12.8447
Nsmce1	non-structural maintenance of chromosomes	-12.6496
Ntng1	netrin-G1	-8.555
Ntrk2	BDNF/NT-3 growth factors receptor isoform 3	-13.7334
Nudt2	bis(5'-nucleosyl)-tetrphosphatase	-12.8158
Nup98	nuclear pore complex protein Nup98	16.5385
Nvl	nuclear valosin-containing protein-like	8.973
Nxph4	neurexophilin-4 precursor	-12.9221
Nxt2	NTF2-related export protein 2	20.2143
Obfc1	CST complex subunit STN1	-11.1606
Obfc2a	SOSS complex subunit B2	-9.7153
Obfc2b	SOSS complex subunit B1	-11.61
Obp1f	odorant-binding protein precursor	11.688
Ociad1	OCIA domain-containing protein 1	10.672
Odf2	outer dense fiber protein 2 isoform 1	-10.9167
Odf2	outer dense fiber protein 2 isoform 2	-10.9167
Odf3b	outer dense fiber protein 3B	14.6722
Ogfr	opioid growth factor receptor	-16.157
Olfml2b	olfactomedin-like protein 2B	-10.909
Olr1012	olfactory receptor Olr1012	8.7928
Olr1052	olfactory receptor Olr1052	17.6546
Olr106	olfactory receptor Olr106	8.8643
Olr1070	olfactory receptor Olr1070	9.6175
Olr1105	olfactory receptor Olr1105	15.3113
Olr1186	olfactory receptor Olr1186	12.0238
Olr121	olfactory receptor Olr121	11.9055
Olr122	olfactory receptor Olr122	23.0296
Olr1242	olfactory receptor Olr1242	10.3908
Olr1274	olfactory receptor Olr1274	10.1034
Olr1279	olfactory receptor Olr1279	9.2153
Olr1295	olfactory receptor Olr1295	13.6601
Olr137	olfactory receptor Olr137	-9.9337
Olr1386	olfactory receptor Olr1386	-21.6897
Olr155	olfactory receptor Olr155	12.1278
Olr1570	olfactory receptor Olr1570	18.895
Olr1600	olfactory receptor Olr1600	-8.5015
Olr1612	olfactory receptor Olr1612	-11.7765

Olr1637	olfactory receptor Olr1637	15.4373
Olr203	olfactory receptor Olr203	17.4811
Olr378	olfactory receptor Olr378	16.4151
Olr39	olfactory receptor Olr39	12.7033
Olr390	olfactory receptor Olr390	-9.2405
Olr401	olfactory receptor Olr401	9.8516
Olr420	olfactory receptor Olr420	16.2818
Olr44	olfactory receptor Olr44	9.4716
Olr464	olfactory receptor Olr464	18.3585
Olr465	olfactory receptor Olr465	18.3585
Olr468	olfactory receptor Olr468	10.969
Olr469	olfactory receptor Olr469	10.969
Olr479	olfactory receptor Olr479	15.9792
Olr488	olfactory receptor Olr488	12.3673
Olr495	olfactory receptor Olr495	17.1486
Olr499	olfactory receptor Olr499	15.6805
Olr507	olfactory receptor Olr507	21.6372
Olr528	olfactory receptor Olr528	20.296
Olr531	olfactory receptor Olr531	19.6479
Olr537	olfactory receptor Olr537	12.6468
Olr550	olfactory receptor Olr550	20.0343
Olr566	olfactory receptor Olr566	10.3865
Olr567	olfactory receptor Olr567	9.9458
Olr569	olfactory receptor Olr569	9.9458
Olr598	olfactory receptor Olr598	11.8971
Olr631	olfactory receptor Olr631	18.8151
Olr636	olfactory receptor Olr636	19.9094
Olr652	olfactory receptor Olr652	9.4843
Olr659	olfactory receptor Olr659	11.3944
Olr670	olfactory receptor Olr670	12.5423
Olr681	olfactory receptor Olr681	10.4577
Olr717	olfactory receptor Olr717	9.9949
Olr720	olfactory receptor Olr720	9.272
Olr724	olfactory receptor Olr724	8.9244
Olr741	olfactory receptor Olr741	10.276
Olr747	olfactory receptor Olr747	24.0038
Olr767	olfactory receptor Olr767	9.5954
Olr770	olfactory receptor Olr770	12.4213
Olr809	olfactory receptor Olr809	8.2752
Olr839	olfactory receptor Olr839	10.9279
Olr855	olfactory receptor Olr855	11.1151
Olr947	olfactory receptor Olr947	13.4243
Olr95	olfactory receptor Olr95	9.4459
Oma1	metalloendopeptidase OMA1, mitochondrial	-9.43
Onecut1	hepatocyte nuclear factor 6	-14.1911
Orai3	protein orai-3	-16.6269
Osbpl9	oxysterol binding protein-like 9	-15.452
Osmr	oncostatin-M-specific receptor subunit beta	8.379

Ostm1	osteopetrosis-associated transmembrane protein	18.386
Otop1	otopettrin-1	-9.074
Otub2	ubiquitin thioesterase OTUB2	-14.7783
Ovca2	candidate tumor suppressor in ovarian cancer 2	8.5712
Oxtr	oxytocin receptor	-14.2865
P2rx7	P2X purinoceptor 7	-9.2094
Pacrg	Park2 co-regulated	11.496
Palm	paralemmin	11.6181
Paqr7	progesterin and adipoQ receptor family member VII	13.4973
Pard6a	partitioning defective 6 homolog alpha isoform	13.7697
Pard6a	partitioning defective 6 homolog alpha isoform	13.7697
Park2	E3 ubiquitin-protein ligase parkin	11.496
Pax2	paired box protein Pax-2	-12.7956
Pax2	paired box protein Pax-2	16.31
Pax8	paired box protein Pax-8	16.4217
Pbx4	pre-B-cell leukemia transcription factor 4	-9.7616
Pc	pyruvate carboxylase, mitochondrial precursor	-10.3466
Pcdh21	cadherin-related family member 1 precursor	10.0234
Pcdh8	protocadherin-8	-12.2602
Pcdh8	protocadherin-8	-12.9383
Pcdha5	protocadherin alpha-5	13.9066
Pcdha6	protocadherin alpha-6	13.9066
Pcdha6	protocadherin alpha-6	10.7458
Pcdha7	protocadherin alpha-7	10.7458
Pcdhga3	protocadherin gamma-A3	16.5724
Pcdhga3	protocadherin gamma-A3	15.9705
Pcdhga5	protocadherin gamma-A5	8.0031
Pcdhga9	protocadherin gamma-A9	8.4278
Pcsk4	proprotein convertase subtilisin/kexin type 4	8.8584
Pctk3	cell division protein kinase 18	16.6274
Pdcd6	programmed cell death protein 6	12.3625
Pdcd7	programmed cell death protein 7	-15.3092
Pdcl3	phosducin-like protein 3	-11.9414
Pde5a	cGMP-specific 3',5'-cyclic phosphodiesterase	-8.6055
Pdgfc	platelet-derived growth factor C	11.08
Pdgfd	platelet-derived growth factor D	10.0818
Pdha2	pyruvate dehydrogenase E1 component subunit	12.7804
Pdia2	protein disulfide-isomerase A2	-14.164
Pdzd2	PDZ domain-containing protein 2	16.6885
Peo1	twinkle protein, mitochondrial	10.935
Pex12	peroxisome assembly protein 12	-16.2212
Pfkfb1	6-phosphofructo-2-kinase/fructose-2,	-12.5873
Pfkb	6-phosphofructokinase type C	-9.5288
Pgap2	post-GPI attachment to proteins factor 2	16.5385
Pgcp	plasma glutamate carboxypeptidase precursor	12.2952
Phb	prohibitin	12.5498
Phf13	PHD finger protein 13	11.4789
Phf20	PHD finger protein 20	-11.1448

Phf5a	PHD finger-like domain-containing protein 5A	-8.8057
Phkb	phosphorylase b kinase regulatory subunit beta	13.9479
Phpt1	phosphohistidine phosphatase 1	10.3232
Phyh	phytanoyl-CoA dioxygenase, peroxisomal	14.9723
Phyhipl	phytanoyl-CoA hydroxylase-interacting	-10.8712
Pi4ka	phosphatidylinositol 4-kinase alpha	-10.465
Pigt	GPI transamidase component PIG-T	10.4842
Pigx	phosphatidylinositol-glycan biosynthesis class X	9.2838
Pik3ap1	phosphoinositide 3-kinase adapter protein 1	8.7677
Pik3c2g	phosphatidylinositol-4-phosphate 3-kinase C2	17.799
Pink1	serine/threonine-protein kinase PINK1,	-10.0733
Pion	protein pigeon homolog	-10.2042
Pip4k2a	phosphatidylinositol-5-phosphate 4-kinase type-2	-15.4844
Pip4k2b	phosphatidylinositol-5-phosphate 4-kinase type-2	-13.2182
Pitpnm1	membrane-associated phosphatidylinositol	-12.38
Pitx2	pituitary homeobox 2 isoform 1	-13.8703
Pitx3	pituitary homeobox 3	13.736
Pkd2l1	polycystic kidney disease 2-like 1 protein	19.0468
Pkm2	pyruvate kinase isozymes M1/M2	-8.9257
Pla2g6	85 kDa calcium-independent phospholipase A2	-12.753
Plac1	placenta-specific protein 1 precursor	12.972
Plagl2	pleiomorphic adenoma gene-like 2	-8.5735
Pld3	phospholipase D3	10.4792
Plod1	procollagen-lysine,2-oxoglutarate 5-dioxygenase	-16.1091
Plod2	procollagen-lysine,2-oxoglutarate 5-dioxygenase	11.0994
Plod3	procollagen-lysine,2-oxoglutarate 5-dioxygenase	-9.9645
Plp2	proteolipid protein 2	14.2954
Pmaip1	phorbol-12-myristate-13-acetate-induced protein	16.0953
Pmfbp1	polyamine-modulated factor 1-binding protein 1	9.4797
Pmp22	peripheral myelin protein 22	14.9892
Pnkp	bifunctional polynucleotide phosphatase/kinase	-10.007
Pnkp	bifunctional polynucleotide phosphatase/kinase	9.4611
Pnma3	paraneoplastic antigen MA3	-13.0283
Pnrc1	proline-rich nuclear receptor coactivator 1	-16.2799
Pofut1	GDP-fucose protein O-fucosyltransferase 1	-8.5735
Pola2	DNA polymerase alpha subunit B	10.5685
Poldip2	polymerase delta-interacting protein 2	-9.3358
Polg2	DNA polymerase subunit gamma-2, mitochondrial	13.7913
Polk	DNA polymerase kappa	14.9771
Polr2g	DNA-directed RNA polymerase II subunit RPB7	-19.7861
Polr3gl	DNA-directed RNA polymerase III subunit	-9.1861
Polrmt	DNA-directed RNA polymerase, mitochondrial	-9.4538
Pon1	serum paraoxonase/arylesterase 1	12.4732
Pou2f3	POU domain, class 2, transcription factor 3	-11.2884
Pou4f2	POU domain, class 4, transcription factor 2	-11.3714
Pou5f2	POU domain, class 5, transcription factor 2	16.1774
Ppap2c	lipid phosphate phosphohydrolase 2	9.715
Ppil3	peptidyl-prolyl cis-trans isomerase-like 3	-11.1576

Ppp1ca	serine/threonine-protein phosphatase PP1-alpha	-11.28
Ppp1r12b	protein phosphatase 1 regulatory subunit 12B	-9.839
Ppp2r1b	serine/threonine-protein phosphatase 2A 65 kDa	-14.0021
Ppt2	lysosomal thioesterase PPT2 precursor	-11.9204
Ppt2	lysosomal thioesterase PPT2 precursor	-13.4118
Praf2	PRA1 family protein 2	11.546
Prcp	lysosomal Pro-X carboxypeptidase	-11.8159
Prdx2	peroxiredoxin-2	-11.3583
Prima1	proline rich membrane anchor 1	11.1433
Prkaca	cAMP-dependent protein kinase catalytic subunit	-15.867
Prkcz	protein kinase C zeta type	-20.4568
Prlh	prolactin-releasing peptide precursor	12.4691
Prmt7	protein arginine N-methyltransferase 7	11.19
Prpf4b	serine/threonine-protein kinase PRP4 homolog	-9.9134
Prph	peripherin	-13.641
Prr5l	proline-rich protein 5-like	9.4567
Prrg4	transmembrane gamma-carboxyglutamic acid protein	8.1456
Prrg4	transmembrane gamma-carboxyglutamic acid protein	10.4667
Prrt1	proline-rich transmembrane protein 1	-11.9204
Prrt1	proline-rich transmembrane protein 1	-13.4118
Prss34	mastin	15.1316
Prssl1	serine protease 1-like protein 1	11.6181
Psd	PH and SEC7 domain-containing protein 1	11.88
Psm1	proteasome subunit alpha type-1	12.4297
Psm6	proteasome subunit alpha type-6	-8.6657
Psmc3	26S protease regulatory subunit 6A	-12.1239
Psmc3ip	homologous-pairing protein 2 homolog	-11.7308
Psmg1	proteasome assembly chaperone 1	-13.8439
Psmg4	proteasome (prosome, macropain) assembly	-10.5892
Pstpip1	proline-serine-threonine phosphatase-interacting	-10.5384
Ptdss2	phosphatidylserine synthase 2	-13.005
Pten	phosphatidylinositol-3,4,5-trisphosphate	13.5917
Ptf1a	pancreas transcription factor 1 subunit alpha	-15.2274
Ptger1	prostaglandin E2 receptor EP1 subtype	11.8044
Ptges	prostaglandin E synthase	-14.6612
Ptgis	prostacyclin synthase	-8.5792
Ptpn14	tyrosine-protein phosphatase non-receptor type	-11.5684
Ptpru	receptor-type tyrosine-protein phosphatase U	-13.4875
Pycr1	pyrroline-5-carboxylate reductase 1	-13.748
Pygo2	pygopus homolog 2	-12.6338
Qdpr	dihydropteridine reductase	-14.2023
Qsox1	sulfhydryl oxidase 1 isoform A	-16.1538
Qrt1	queuine tRNA-ribosyltransferase	13.307
R3hdm1	R3H domain-containing protein 1	-18.9133
Rab19	ras-related protein Rab-19	-11.1914
Rab33a	ras-related protein Rab-33A	-13.23
Rab39	RAB39, member RAS oncogene family	12.6447
Rab3a	ras-related protein Rab-3A	-10.5477

Rab3il1	guanine nucleotide exchange factor for Rab-3A	12.7397
Rab5b	ras-related protein Rab-5B	-12.0655
Rab6a	ras-related protein Rab-6A	-16.9061
Rabac1	prenylated Rab acceptor protein 1	14.7783
Racgap1	rac GTPase-activating protein 1	-10.7369
Ramp2	receptor activity-modifying protein 2 precursor	-13.4277
Ranbp6	ran-binding protein 6	-12.536
Rarres2	retinoic acid receptor responder protein 2	18.8355
Rasal1	rasGAP-activating-like protein 1	-11.0359
Rbbp7	histone-binding protein RBBP7	-16.1209
Rbck1	ranBP-type and C3HC4-type zinc finger-containing	-11.702
Rbl2	retinoblastoma-like protein 2	8.5616
Rbm10	RNA-binding protein 10	10.4473
Rbm11	RNA binding motif protein 11	11.03
Rbm12	RNA-binding protein 12	-15.6252
Rbm17	splicing factor 45	10.68
Rbm38	RNA-binding protein 38	-8.9272
Rbp1	retinol-binding protein 1	10.6412
Rcn2	reticulocalbin-2	21.0227
Reep6	receptor expression-enhancing protein 6	8.8584
Reg3b	regenerating islet-derived protein 3-beta	25.3699
Rel2	RELT-like protein 2	-11.8654
Repin1	replication initiator 1	15.8329
Rer1	protein RER1	-12.7763
Rest	RE1-silencing transcription factor	-9.4188
Rexo4	XPMC2 prevents mitotic catastrophe 2 homolog	-8.2933
Rfc2	replication factor C subunit 2	19.2122
Rfk	riboflavin kinase	-12.9376
Rfxap	regulatory factor X-associated protein	15.1801
RGD1304580	nesprin-4	10.37
RGD1305178	hypothetical protein LOC311855	-10.665
RGD1305215	hypothetical protein LOC307643	-15.9145
RGD1305350	hypothetical protein LOC313699	-16.1091
RGD1305592	PAXIP1-associated protein 1	8.222
RGD1306151	hypothetical protein LOC362455	14.5156
RGD1306441	hypothetical protein LOC290425	8.5003
RGD1306613	hypothetical protein LOC306994	-14.1202
RGD1307399	hypothetical protein LOC681315	-15.6881
RGD1307851	ig-like V-type domain-containing protein FAM187A	-8.1116
RGD1308134	hypothetical protein LOC287452	-11.1204
RGD1308612	MRG-binding protein	-16.157
RGD1308759	hypothetical protein LOC290668	-12.1
RGD1309188	hypothetical protein LOC315463	14.198
RGD1309765	hypothetical protein LOC290746	-11.9691
RGD1310212	hypothetical protein LOC299557	12.9356
RGD1310311	protein kintoun	13.6926
RGD1310324	zinc finger, SWIM-type containing 7	-11.5266
RGD1310352	hypothetical protein LOC303122	15.7149

RGD1310597	centrosomal protein POC5	-9.6552
RGD1311659	hypothetical protein LOC364814	19.7137
RGD1311892	hypothetical protein LOC289399	20.2906
RGD1359378	mesenchymal stem cell protein DSCD75 precursor	14.6918
RGD1359452	hypothetical protein LOC296118	11.485
RGD1359452	hypothetical protein LOC296118	10.7883
RGD1559493	hypothetical protein LOC500516	-16.0732
RGD1559589	hypothetical protein LOC302368	21.4218
RGD1559613	hypothetical protein LOC499067	-17.7364
RGD1559690	nitric oxide-inducible gene protein	-11.8159
RGD1560271	hypothetical protein LOC501097	-15.2292
RGD1560324	hypothetical protein LOC295072	9.1643
RGD1560350	hypothetical protein LOC365554	10.2915
RGD1560455	hypothetical protein LOC302377	9.0411
RGD1560481	epithelial splicing regulatory protein 1	-14.9497
RGD1560888	similar to Cell division protein kinase 8	8.317
RGD1560927	hypothetical protein LOC501507	16.95
RGD1561415	hypothetical protein LOC498943	13.7697
RGD1561490	hypothetical protein LOC367038	12.5678
RGD1561490	hypothetical protein LOC367038	-8.0896
RGD1562043	claudin 22 like	10.3882
RGD1562114	hypothetical protein LOC500795	21.0213
RGD1562492	hypothetical protein LOC499151	13.2011
RGD1562533	hypothetical protein LOC498136	8.5203
RGD1562846	hypothetical protein LOC502694	14.5687
RGD1563047	long palate, lung and nasal epithelium	-16.7042
RGD1563072	hypothetical protein LOC313595	13.0776
RGD1563263	hypothetical protein LOC499836	-17.305
RGD1564114	hypothetical protein LOC499765	-10.1707
RGD1564419	hypothetical protein LOC500128	-11.568
RGD1564776	hypothetical protein LOC366473	10.6025
RGD1565166	hypothetical protein LOC287059	-12.6707
RGD1565947	hypothetical protein LOC299737	-11.4983
RGD1565983	hypothetical protein LOC317628	-12.5873
RGD1566265	hypothetical protein LOC363487	-17.1282
RGD1566320	hypothetical protein LOC296207	-8.7916
RGD621352	hypothetical protein LOC192229	9.2838
Rgs11	regulator of G-protein signaling 11	-14.164
Rgs16	regulator of G-protein signaling 16	-10.6455
Rgs7	regulator of G-protein signaling 7	-12.1666
Rgs8	regulator of G-protein signaling 8	8.7261
Rhd	blood group Rh(D) polypeptide	14.949
Rhobtb2	rho-related BTB domain-containing protein 2	-10.6066
Rhov	rho-related GTP-binding protein RhoV	11.8001
Rhox11	reproductive homeobox 11	10.6043
Rhox12	reproductive homeobox 12	9.9503
Rims1	regulating synaptic membrane exocytosis protein	13.8681
Ring1	E3 ubiquitin-protein ligase RING1	9.8722

Ring1	E3 ubiquitin-protein ligase RING1	-8.9802
Rnaseh2a	ribonuclease H2 subunit A	-11.3583
Rnasek	ribonuclease kappa	-11.1204
Rnaset2	ribonuclease T2	8.9305
Rnf160	zinc finger protein 294	16.0692
Rnf167	E3 ubiquitin-protein ligase RNF167 precursor	-11.9585
Rnf215	RING finger protein 215	-8.9857
Rnf26	RING finger protein 26	-11.8607
Rnf34	E3 ubiquitin-protein ligase RNF34	12.4983
Rnf41	E3 ubiquitin-protein ligase NRDP1	-11.61
Rnf5	E3 ubiquitin-protein ligase RNF5	-11.1754
Robo3	roundabout homolog 3	-17.4402
Rora	nuclear receptor ROR-alpha	-11.2566
Rpl11	60S ribosomal protein L11	15.6159
Rpl22	60S ribosomal protein L22	-13.5439
Rpl23	60S ribosomal protein L23	-10.4892
Rpl29	60S ribosomal protein L29	-12.5944
Rpl3	60S ribosomal protein L3	-14.8652
Rpl30	60S ribosomal protein L30	12.0874
Rpl5	60S ribosomal protein L5	13.3501
Rpp25	ribonuclease P protein subunit p25	13.989
Rps15a	40S ribosomal protein S15a	-11.38
Rps25	40S ribosomal protein S25	-11.2078
Rps3	40S ribosomal protein S3	13.2914
Rps6	40S ribosomal protein S6	15.989
Rps6kb2	ribosomal protein S6 kinase, polypeptide 2	-15.8052
Rpusd3	RNA pseudouridylate synthase domain-containing	-11.7155
Rreb1	ras-responsive element-binding protein 1	-11.871
Rspo3	R-spondin-3	-14.1011
RT1-A3	RT1 class I, locus A3	-13.8211
RT1-CE1	RT1 class I, locus CE1	-20.0338
RT1-CE14	RT1 class I, locus CE14 isoform 2	-20.0338
RT1-EC2	class I histocompatibility antigen, Non-RT1.A	-13.8211
RT1-N3	RT1 class Ib, locus N3	-17.605
RT1-S3	RT1 class Ib, locus S3	-9.2775
Rtbdn	retbindin	-12.717
Rtn4rl1	reticulon-4 receptor-like 1 precursor	-13.0947
Rwdd4a	RWD domain-containing protein 4	-11.9691
Rxfp3	relaxin-3 receptor 1	-9.6234
Rxrb	retinoic acid receptor RXR-beta	9.8722
Rxrb	retinoic acid receptor RXR-beta	-8.9802
Rxrg	retinoic acid receptor RXR-gamma	18.3108
S100a13	protein S100-A13	-12.7341
Sarm1	sterile alpha and TIR motif-containing protein	-12.8276
Sart3	squamous cell carcinoma antigen recognized by	-15.5598
Sat1	diamine acetyltransferase 1	9.009
Sav1	protein salvador homolog 1	-13.425
Sc5dl	lathosterol oxidase	-12.8117



Scamp1	secretory carrier-associated membrane protein 1	-11.125
Scamp4	secretory carrier-associated membrane protein 4	19.455
Scarb1	scavenger receptor class B member 1	-14.6028
Sccpdh	probable saccharopine dehydrogenase	12.0195
Scn11a	sodium channel protein type 11 subunit alpha	13.4128
Scrg1	scrapie-responsive protein 1 precursor	-9.5695
Scrt1	transcriptional repressor scratch 1	-10.5267
Sdcbp	syntenin-1	-12.4283
Sdr16c6	short-chain dehydrogenase/reductase family 16C	20.9864
Sds	L-serine dehydratase/L-threonine deaminase	-12.6995
Sdsl	serine dehydratase-like	-12.6995
Sebox	homeobox protein SEBOX	-12.8276
Sec23a	protein transport protein Sec23A	-13.3985
Sel1l	protein sel-1 homolog 1	-11.5267
Selp	P-selectin	9.2412
Sema3b	semaphorin-3B	17.076
Sema5a	semaphorin 5A	12.8346
Serinc2	serine incorporator 2	-9.7038
Serp1	stress-associated endoplasmic reticulum protein	-10.4788
Sf4	splicing factor 4	-12.1
Sfrs14	splicing factor, arginine/serine-rich 14	-11.4334
Sfrs3	splicing factor, arginine/serine-rich 3	-10.6112
Sgcb	beta-sarcoglycan	-10.43
Sh2b2	SH2B adapter protein 2	14.1329
Sharnp	sharnp	12.2783
Shprh	E3 ubiquitin-protein ligase SHPRH	11.8156
Sigirr	single Ig IL-1-related receptor	-13.7255
Sim2	single-minded homolog 2	15.2757
Sip1	survival of motor neuron protein-interacting	-13.3985
Sipa1l1	signal-induced proliferation-associated 1-like	-11.1846
Six3	homeobox protein SIX3	-17.1187
Ska1	spindle and kinetochore-associated protein 1	-11.0295
Skap2	src kinase-associated phosphoprotein 2	-9.075
Slc10a4	sodium/bile acid cotransporter 4	11.1645
Slc10a7	sodium/bile acid cotransporter 7	13.2577
Slc12a5	solute carrier family 12 member 5	-13.1055
Slc13a2	solute carrier family 13 member 2	12.4813
Slc16a2	monocarboxylate transporter 8	16.0639
Slc17a8	vesicular glutamate transporter 3	16.3046
Slc22a8	solute carrier family 22 member 8	13.5913
Slc25a10	mitochondrial dicarboxylate carrier	14.2308
Slc25a11	mitochondrial 2-oxoglutarate/malate carrier	-11.9585
Slc25a2	mitochondrial ornithine transporter 2	11.5375
Slc25a39	solute carrier family 25 member 39	-10.449
Slc26a5	prestin	12.8533
Slc2a5	solute carrier family 2, facilitated glucose	17.3572
Slc30a2	zinc transporter 2 isoform 1	-12.222
Slc30a2	zinc transporter 2 isoform 2	-12.222

Slc31a2	probable low affinity copper uptake protein 2	-12.57
Slc35d2	UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose	-14.0846
Slc38a3	sodium-coupled neutral amino acid transporter 3	-17.0869
Slc39a5	zinc transporter ZIP5	-11.61
Slc39a7	solute carrier family 39 (zinc transporter),	9.8722
Slc39a7	solute carrier family 39 (zinc transporter),	9.8722
Slc44a4	choline transporter-like protein 4	12.1714
Slc45a2	membrane-associated transporter protein	16.0716
Slc46a2	solute carrier family 46, member 2	11.7245
Slc5a5	sodium/iodide cotransporter	10.6907
Slc6a4	sodium-dependent serotonin transporter	19.4099
Slc7a6os	solute carrier family 7, member 6 opposite	11.19
Slc9a2	sodium/hydrogen exchanger 2 isoform 1	-9.8955
Slc9a5	sodium/hydrogen exchanger 5	-10.2909
Slco1a5	solute carrier organic anion transporter family	11.5028
Slco6b1	solute carrier organic anion transporter family	16.7217
Slitrk3	SLIT and NTRK-like protein 3	-15.2774
Smardc1	SWI/SNF-related matrix-associated	15.375
Smc4	structural maintenance of chromosomes 4	17.6405
Smg6	telomerase-binding protein EST1A	-8.8061
Smoc1	SPARC-related modular calcium-binding protein 1	-9.1216
Smpdl3a	acid sphingomyelinase-like phosphodiesterase 3a	-9.7338
Smurf2	E3 ubiquitin-protein ligase SMURF2	-16.834
Snap29	synaptosomal-associated protein 29	-10.465
Snapc2	snRNA-activating protein complex subunit 2	-12.0166
Sncaip	synphilin-1	-10.32
Soat2	sterol O-acyltransferase 2	11.9906
Sox15	protein SOX-15	-8.1759
Sp5	transcription factor Sp5	17.0833
Sp5	transcription factor Sp5	13.4883
Spag5	sperm-associated antigen 5	-8.6068
Spag7	sperm associated antigen 7	-15.5082
Spast	spastin	13.1787
Spata18	spermatogenesis-associated protein 18	-10.43
Spef2	sperm flagellar protein 2	10.8279
Spg21	maspardin	-17.6958
Spin1	spindlin-1	-11.9475
Spon1	spondin-1 precursor	-8.0367
Spsb1	SPRY domain-containing SOCS box protein 1	17.6323
Sqstm1	sequestosome-1 isoform 1	-11.4942
Sqstm1	sequestosome-1 isoform 2	-11.4942
Srd5a2	3-oxo-5-alpha-steroid 4-dehydrogenase 2	-8.8817
Srd5a3	probable polyprenol reductase	10.86
Srf	serum response factor	-8.1798
Srgap2	SLIT-ROBO Rho GTPase-activating protein 2	-15.771
Srpk3	serine/threonine-protein kinase SRPK3	-13.5673
Srr	serine racemase	-8.8061
Ssbp1	single-stranded DNA-binding protein,	9.6326

Sstr1	somatostatin receptor type 1	-10.7498
St8sia3	sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha	-14.63
Stac2	SH3 and cysteine-rich domain-containing protein	-9.8634
Stag3	cohesin subunit SA-3	8.79
Stard10	PCTP-like protein	-8.6767
Stat1	signal transducer and activator of transcription	13.5537
Stat5b	signal transducer and activator of transcription	15.7761
Steap2	metalloreductase STEAP2	-11.085
Stk16	serine/threonine-protein kinase 16	13.2294
Stk3	serine/threonine-protein kinase 3	-14.7348
Stra6	stimulated by retinoic acid gene 6 protein	15.022
Stt3a	dolichyl-diphosphooligosaccharide--protein	-13.1698
Stx12	syntaxin 12	-13.5157
Suclg1	succinyl-CoA ligase [GDP-forming] subunit alpha,	-12.5966
Sulf1	extracellular sulfatase Sulf-1 precursor	-9.0065
Suox	sulfite oxidase, mitochondrial precursor	-15.434
Susd3	sushi domain-containing protein 3	-16.0851
Sv2c	synaptic vesicle glycoprotein 2C	-11.343
Svs1	seminal vesicle secretory protein 1	10.6384
Syap1	synapse-associated protein 1	11.1617
Syf2	pre-mRNA-splicing factor SYF2	-10.1417
Syngap1	ras GTPase-activating protein SynGAP isoform 2	-13.1403
Syt1	synaptotagmin-1	14.159
Taar1	trace amine-associated receptor 1	19.1889
Taar4	trace amine-associated receptor 4	11.8884
Tap2	antigen peptide transporter 2	8.705
Taz	tafazzin	10.34
Tbc1d10c	TBC1 domain family, member 10c	-11.28
Tbc1d14	TBC1 domain family member 14 isoform 2	-13.6392
Tbc1d17	TBC1 domain family member 17	-10.007
Tbc1d17	TBC1 domain family member 17	9.4611
Tbc1d24	TBC1 domain family member 24	11.4585
Tbcc	tubulin-specific chaperone C	-9.9484
Tbx18	T-box transcription factor TBX18	15.5944
Tcfap4	transcription factor AP-4	9.6217
Tdp1	tyrosyl-DNA phosphodiesterase 1	-13.5054
Tekt3	tektin-3	-20.026
Tekt5	tektin-5	19.5289
Tff3	trefoil factor 3 precursor	19.0763
Tgm2	protein-glutamine gamma-glutamyltransferase 2	-13.555
Thap1	THAP domain-containing protein 1	-11.4749
Thoc2	THO complex subunit 2	-13.9867
Thrsp	thyroid hormone-inducible hepatic protein	8.9609
Thy1	thy-1 membrane glycoprotein preproprotein	-15.6127
Tia1	TIA1 cytotoxic granule-associated RNA binding	-14.3622
Timd2	T-cell immunoglobulin and mucin	14.6986
Timm8a1	mitochondrial import inner membrane translocase	13.4984
Tktl1	transketolase-like protein 1	14.8258

Tlcd1	TLC domain-containing protein 1 precursor	-13.8433
Tll2	tolloid-like protein 2	-19.6179
Tm9sf1	transmembrane 9 superfamily member 1 precursor	13.5535
Tmc4	transmembrane channel-like protein 4	14.6846
Tmed1	transmembrane emp24 domain-containing protein 1	-13.8902
Tmed10	transmembrane emp24 domain-containing protein 10	8.4113
Tmed3	transmembrane emp24 domain-containing protein 3	9.0698
Tmem107	transmembrane protein 107	-12.0716
Tmem128	transmembrane protein 128	-17.4952
Tmem171	transmembrane protein 171	-12.5577
Tmem178	transmembrane protein 178 precursor	13.4646
Tmem184a	transmembrane protein 184A	12.2225
Tmem188	transmembrane protein 188	-9.2754
Tmem199	transmembrane protein 199	-9.3358
Tmem25	transmembrane protein 25	14.4987
Tmem66	transmembrane protein 66 precursor	9.7408
Tmem70	transmembrane protein 70, mitochondrial	14.37
Tmem86b	transmembrane protein 86B	-9.2959
Tmem87b	transmembrane protein 87B	-15.1266
Tmem98	transmembrane protein 98	-14.6704
Tmub1	transmembrane and ubiquitin-like	-9.6875
Tmub1	transmembrane and ubiquitin-like	-9.6875
Tnfrsf12a	tumor necrosis factor receptor superfamily	-11.9234
Tnni3	troponin I, cardiac muscle	15.0377
Tnnt2	troponin T, cardiac muscle	22.0444
Top1mt	DNA topoisomerase I, mitochondrial	-13.558
Tor3a	torsin-3A precursor	-14.3422
Tox2	TOX high mobility group box family member 2	-11.5766
Tp73	tumor protein p73	-9.0035
Tpd52l1	tumor protein D52-like 1	-11.5839
Tpt1	translationally-controlled tumor protein	-10.3477
Traf3	TNF receptor-associated factor 3	-11.5534
Trappc3	trafficking protein particle complex subunit 3	13.0781
Trappc3	trafficking protein particle complex subunit 3	-14.822
Trappc4	trafficking protein particle complex subunit 4	-11.2078
Trhr2	thyrotropin releasing hormone receptor 2	14.1662
Trim11	E3 ubiquitin-protein ligase TRIM11	-14.415
Trim37	E3 ubiquitin-protein ligase TRIM37	-8.2283
Trim54	tripartite motif-containing protein 54	-9.0058
Trim54	tripartite motif-containing protein 54	15.1881
Trim65	tripartite motif-containing protein 65	-14.4202
Trpc4ap	short transient receptor potential channel	-18.4109
Trpm2	transient receptor potential cation channel	13.6052
Trpm8	transient receptor potential cation channel	15.6428
Trpt1	tRNA 2'-phosphotransferase 1	-12.2243
Trub2	probable tRNA pseudouridine synthase 2	-14.6102
Tsc22d1	TSC22 domain family protein 1 isoform 1	-12.0933
Tsc22d3	TSC22 domain family protein 3	13.5845

Tsen54	tRNA-splicing endonuclease subunit Sen54	-10.155
Tsga14	centrosomal protein of 41 kDa	14.4785
Tshz3	teashirt homolog 3	-11.2487
Tspan9	tetraspanin-9	-15.5847
Tspyl2	testis-specific Y-encoded-like protein 2	13.5497
Tssk1	testis-specific serine/threonine-protein kinase	-11.8887
Tssk2	testis-specific serine/threonine-protein kinase	-11.8887
Tssk4	testis-specific serine/threonine-protein kinase	13.5535
Tssk6	testis-specific serine/threonine-protein kinase	15.3773
Tst	thiosulfate sulfurtransferase	8.85
Tst	thiosulfate sulfurtransferase	12.4805
Ttc1	tetratricopeptide repeat protein 1	-9.5681
Ttc12	tetratricopeptide repeat protein 12	-11.4317
Ttc14	tetratricopeptide repeat protein 14	12.1788
Ttc19	tetratricopeptide repeat protein 19	-11.5266
Ttc22	tetratricopeptide repeat protein 22	-16.0732
Ttc30a1	tetratricopeptide repeat protein 30A2	13.9504
Ttc30b	tetratricopeptide repeat protein 30B	13.9504
Ttc36	tetratricopeptide repeat protein 36	14.4987
Ttyh3	protein tweety homolog 3	13.6234
Tuba1c	tubulin alpha-1C chain	15.2784
Tubal3	tubulin alpha chain-like 3	14.1286
Tubgcp6	gamma-tubulin complex component 6	11.2893
Txnip	thioredoxin-interacting protein	15.114
Tymp	thymidine phosphorylase	14.6722
Tyrrp1	5,6-dihydroxyindole-2-carboxylic acid oxidase	9.3422
Ube2cbp	ubiquitin-conjugating enzyme E2C-binding	18.4607
Ube2d1	ubiquitin-conjugating enzyme E2 D1	-11.6566
Ube2t	ubiquitin-conjugating enzyme E2 T	-9.839
Ubiad1	ubiA prenyltransferase domain-containing protein	10.0935
Ubxn1	UBX domain-containing protein 1	-8.7729
Uhmk1	serine/threonine-protein kinase Kist	-14.1383
Uimc1	BRCA1-A complex subunit RAP80	8.8967
Uimc1	BRCA1-A complex subunit RAP80	-13.3388
Unc13a	protein unc-13 homolog A	9.9883
Unc93b1	protein unc-93 homolog B1	12.4445
Uncx	homeobox protein unc-4 homolog	-10.2716
Upk1b	uropod protein 1b	10.8687
Usp20	ubiquitin specific peptidase 20	-10.665
Uts2d	urotensin-2B precursor	10.4503
Vash2	vasohibin-2	9.6473
Vasp	vasodilator-stimulated phosphoprotein	-15.1845
Vax2	ventral anterior homeobox 2	13.5308
Vcl	vinculin	-14.5958
Vegfb	vascular endothelial growth factor B	-12.2243
Vgf	neurosecretory protein VGF precursor	11.73
Vhl	von Hippel-Lindau disease tumor suppressor	13.2296
Vom1r43	vomerolateral 1 receptor, 43	10.4947

Vps13d	vacuolar protein sorting-associated protein 13D	16.3816
Vps25	vacuolar protein-sorting-associated protein 25	-13.4277
Vps4b	vacuolar protein sorting-associated protein 4B	-16.4284
Vrk3	serine/threonine-protein kinase VRK3	-15.8692
Wdr45	WD repeat domain phosphoinositide-interacting	11.546
Wdr54	WD repeat-containing protein 54	-12.4088
Wfdc12	WAP four-disulfide core domain protein 12	18.3054
Wfdc5	WAP four-disulfide core domain protein 5	18.3054
Wiz	protein Wiz	12.6781
Wiz	protein Wiz	-12.4368
Wnt1	wingless-type MMTV integration site family,	9.975
Wsb1	WD repeat and SOCS box-containing 1 isoform 1	10.8019
Wsb2	WD repeat and SOCS box-containing protein 2	-11.6064
Wtap	Wilms' tumour 1-associating protein isoform b	15.9277
Wtap	Wilms' tumour 1-associating protein isoform b	15.9277
Xkr6	XK-related protein 6	-9.3322
Yeats4	YEATS domain-containing protein 4	-17.5295
Yipf2	protein YIPF2	14.198
Zar1	zygote arrest protein 1	11.1645
Zbtb1	zinc finger and BTB domain-containing protein 1	15.4272
Zbtb24	zinc finger and BTB domain-containing protein	-13.2774
Zbtb3	zinc finger and BTB domain-containing protein 3	-19.7861
Zbtb32	zinc finger and BTB domain-containing protein	11.3387
Zbtb44	zinc finger and BTB domain-containing protein	17.2507
Zbtb8a	zinc finger and BTB domain-containing protein	-11.6618
Zbtb8b	zinc finger and BTB domain-containing protein	10.1052
Zc3h11a	zinc finger CCCH domain-containing protein 11A	-13.8904
Zdhhc20	probable palmitoyltransferase ZDHHC20	-12.5878
Zfx4	zinc finger homeobox protein 4	-15.3379
Zfp275	zinc finger protein 275	-10.951
Zfp319	zinc finger protein 319	-15.9145
Zfp346	zinc finger protein 346	8.8967
Zfp346	zinc finger protein 346	-13.3388
Zfp426l2	zinc finger protein 426	14.0571
Zfp428	zinc finger protein 428	14.0733
Zfp438	zinc finger protein 438	11.6213
Zfp61	zinc finger protein 61	-11.6894
Zfyve27	zinc finger FYVE domain-containing protein 27	15.9448
Zhx3	zinc fingers and homeoboxes protein 3	-8.2083
Zmat3	zinc finger matrin-type protein 3	17.8865
Zmiz1	zinc finger MIZ domain-containing protein 1	-10.7817
Znf521	zinc finger protein 521	-10.0033
Znf524	zinc finger protein 524	-12.7083
Znf532	zinc finger protein 532	11.29
Znf575	zinc finger protein 575	-8.035
Znf593	zinc finger protein 593	15.5726
Znf775	zinc finger protein 775	15.8329
Zppp2	zona pellucida-binding protein 2 precursor	11.2856