

Tissue single cells, bimodal genes		Culture single cells, bimodal genes			
UCSC IDS	GENE SYMBOL	GENE NAME	UCSC IDS	GENE SYMBOL	GENE NAME
uc008j9r.1	961001J09Rik	RIKEN cDNA 0610031J08 gene	uc008j9f.1	Utsn	urate 6- <i>hydroxylo-</i> hydrolase
uc007wrm.1	1110038F14Rik	RIKEN cDNA 1110038F14 gene	uc012daf.1	6330407AC3Rik	RIKEN cDNA 6330407AC3 gene
uc009nre.1	1190005I06Rik	RIKEN cDNA 1190005I06 gene	uc008hes.1	8430431K14Rik	RIKEN cDNA 8430431K14 gene
uc009ipn.1	1700028J07Rik	RIKEN cDNA 1700028J07 gene	uc007ivs.1	AK038627	
uc008mex.2	1810024B03Rik	RIKEN cDNA 1810024B03 gene	uc007tho.1	AK049691	
uc007mu.2	1810043H04Rik	RIKEN cDNA 1810043H04 gene	uc007waz.1	AK036274	
uc007tgs.1	2210408E17Rik	RIKEN cDNA 2210408E17 gene	uc008hw.1	IB30134H01Rik	RIKEN cDNA IB30134H01 gene
uc009ipg.1	2310017I17Rik	RIKEN cDNA 2310017I17 gene	uc007qz.2	Bh11a1	butyrophilin, subfamily 1, member A1
uc007ned.1	2410018L13Rik	RIKEN cDNA 2410018L13 gene	uc008qf.2	Cla3a	chloride channel calcium activated 3
uc008wdb.2	2610002J02Rik	RIKEN cDNA 2610002J02 gene	uc012gk1.1	Clect18a	C-type lectin calcium family 18, member A
uc009pai.2	2610203C20Rik	RIKEN cDNA 2610203C20 gene	uc009gdp.1	Cox7a1	cytochrome c oxidase subunit VIIa 1
uc0077au.2	2700349C3Rik	RIKEN cDNA 2700349C3 gene	uc008bpy.2	Fam198b	family with sequence similarity 198, member B
uc008cm.1	3110044N11Rik	RIKEN cDNA 3110044N11 gene	uc008lcc.1	Gpr115	G protein-coupled receptor 115
uc008hqc.1	4430402I18Rik	RIKEN cDNA 4430402I18 gene	uc007zef.1	Gpr156	G protein-coupled receptor 156
uc007zcp.1	4930453N24Rik	RIKEN cDNA 4930453N24 gene	uc009iul.1	Gpr64	G protein-coupled receptor 64
uc009uan.2	5530001H04Rik	RIKEN cDNA 5530001H04 gene	uc007jzz.2	Gag2	germ cell-specific gene 2
uc009by.2	5730577G3Rik	RIKEN cDNA 5730577G3 gene	uc011wyt.1	Il1r2	interleukin 1 receptor, type II
uc009m.2	6720451G15Rik	RIKEN cDNA 6720451G15 gene	uc008ily.1	Impa2	inositol (myo)-1- $\alpha$ -D-mannophosphate 2
uc009imv.1	8030407P20Rik	RIKEN cDNA 8030407P20 gene	uc008qpn.2	Nmi	N-myc (and STAT) interactor
uc012ffq.1	9130221H12Rik	RIKEN cDNA 9130221H12 gene	uc009psf.2	Nrg4	neuregulin 4
uc012dnh.1	9430015G10Rik	RIKEN cDNA 9430015G10 gene	uc007lj.2	Pcd11	pterin $\alpha$ carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (T
uc008dyi.1	9430020K01Rik	RIKEN cDNA 9430020K01 gene	uc009ifg.1	Pkd2	protein kinase D2
uc009boc.1	9530077C05Rik	RIKEN cDNA 9530077C05 gene	uc008ygg.2	Plkg2	protein kinase, cAMP-dependent, type II
uc009ay.2	9930019J23Rik	RIKEN cDNA 9930019J23 gene	uc008trcs.1	Rac5a	RAC5a homolog B (S. cerevisiae)
uc007vat.1	A330099N23Rik	RIKEN cDNA A330099N23 gene	uc007k4r.2	Tax14	testis expressed gene 14
uc009kg.2	A430078G23Rik	RIKEN cDNA A430078G23 gene	uc007elv.1	Taxln	taxilin beta
uc008lpx.2	A530058N18Rik	RIKEN cDNA A530058N18 gene	uc007ajw.2	Mss11	MSS11 mitochondrial translational activator
uc0077ag.1	A887161	expressed sequence A887161			
uc008lqg.1	Aas2	alanine tRNA synthetase-2, mitochondrial (putative)			
uc0077nj.1	Abcc1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1			
uc009jfs.2	Abhd14b	abhydrolase domain containing 14b			
uc007pwj.1	Acot13	acyl-CoA thioesterase 13			
uc008mwe.1	Acot8	acyl-CoA thioesterase 8			
uc009bp.2	Acv1c	activin A receptor, type 1C			
uc008m.1	Ada	adenosine deaminase-like			
uc009il.2	Adam9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)			
uc009mfs.1	Adams17	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 17			
uc012gk.1	Adams18	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 18			
uc0077l2.2	Adgrm	ADP-ribose-CDP-alcohol diphosphatase, manganese dependent			
uc009m.1	Adp2	AE binding protein 2			
uc009m.2	Alg31	AFG31/Alpase family gene 3j-like 1 (yeast)			
uc012gk.1	Aga	asparylglucosaminidase			
uc012dk.1	Ago3	argonate RISC catalytic subunit 3			
uc007jft.1	Ahnk2	AHNK nucleoprotein 2			
uc008bcw.1	Ai314978	O-acyl-ADP-ribose deacylase 1			
uc009jg.2	Ai845148	expressed sequence AI845148			
uc008wct.1	AK002390	RIKEN cDNA 2700038G22 gene			
uc008jap.1	AK011205	RNA binding motif, single stranded interacting protein 1			
uc008wvd.1	AK013453	RIKEN cDNA CS30008M17 gene			
uc008kce.1	AK013593	RIKEN cDNA 1700011J10 gene			
uc009hml.1	AK031861	RIKEN cDNA 6330420H09 gene			
uc0077m.1	AK032803	RIKEN cDNA A430105G06 gene			
uc0078el.1	AK041998	predicted gene, 16894			
uc008neh.1	AK042610	cDNA sequence BC052486			
uc008sav.1	AK044089	predicted gene 12408			
uc008llh.1	AK045643	RIKEN cDNA B230217C12 gene			
uc0077m.1	AK045811	AK078063			
uc0077mh.1	AK046150	predicted gene, 16677			
uc007bed.1	AK046160	DnaJ (Hsp40) homolog, subfamily B, member 12			
uc008wru.1	AK046351	RIKEN cDNA 4921504A21 gene			
uc008iel.1	AK048013				
uc009qg.1	AK048662	RIKEN cDNA A03001D20 gene			
uc0077m.1	AK050069	predicted gene, 20319			
uc012gpi.1	AK077428				
uc009pdt.1	AK078316	RIKEN cDNA C030014I23 gene			
uc008ll.1	AK084494				
uc0077m.1	AK131739	RIKEN cDNA 1700027A07 gene			
uc008lzo.1	AK133008				
uc009qz.2	AK134828				
uc008oqa.1	AK140446	predicted gene 2464			
uc008gyu.1	AK144267	predicted gene 12522			
uc0077g.2	AK156477	DNA segment, Chr 10, Brigham & Women's Genetics 1070 expressed			
uc0077py.1	AK160548	predicted gene 11974			
uc009m.2	AK202301				
uc009ams.2	Alg13	asparagine-linked glycosylation 13			
uc008rdx.1	Alg14	asparagine-linked glycosylation 14			
uc009jc.2	Alg8	asparagine-linked glycosylation 8 (alpha-1,3-glucosyltransferase)			
uc011wjc.1	Amer3	APC membrane recruitment 3			
uc009mnc.1	Ammrc1	Aipori syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region gene 1			
uc009p.1	Ant	antigen receptor			
uc007mx.1	Arkkd1b	arkyrin repeat and death domain containing 1B			
uc011xk.1	Arkkd24	arkyrin repeat domain 24			
uc008qng.1	Arkkd34a	arkyrin repeat domain 34A			
uc011wvj.1	Arnkf1	arkyrin repeat and zinc finger domain containing 1			
uc0077y.2	Arp7	arpor protein complex ARP-1, gamma 2 subunit			
uc008mb.1	Arp81	adaptor-related protein 5 complex, alpha 1 subunit			
uc007gk.1	Arp2	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2			
uc008lqd.2	Aqr	aquarins			
uc007wh.1	Arc	activity regulated cytoskeletal-associated protein			
uc009emo.1	Arhgd1b	Rho, GDP dissociation inhibitor (GDI) beta			
uc0079y.2	Arnt2	armadillo repeat containing 2			
uc008lgs.2	Arnt	aryl hydrocarbon receptor nuclear translocator			
uc009anc.2	Arp1b	actin related protein 2/3 complex, subunit 1B			
uc012grw.1	Arv1	ARV1 homolog (yeast)			
uc0077px.1	Ash3	arkyrin repeat and SOCS box-containing 13			
uc011p2.1	Ash8	arkyrin repeat and SOCS box-containing 8			
uc0077v.2	Atga2	ATP synthase mitochondrial F1 complex assembly factor 2			
uc008bdn.2	Axin1	axin 1			
uc009vor.2	B330016D10Rik	RIKEN cDNA B330016D10 gene			
uc0077g.2	B3grt2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2			
uc0077m.1	B9t1	B9 protein domain 1			
uc0077m.1	Bcl11	BTB and CNC homology 1			
uc009sek.1	BC003348	sestrin 3			
uc0077ag.1	BC038328	zinc finger protein 708			
uc008nah.1	BC040804				
uc009seg.2	BC048546	cDNA sequence BC048546			
uc008lq.2	BC052040	cDNA sequence BC052040			
uc009au.1	BC062895				
uc008lto.2	Bcan	brevican			
uc0077xp.2	Bcdin3d	BCDIN3 domain containing			
uc009sq.2	Bcor	BCL6 interacting corepressor			
uc0077m.1	Bcs11	BCS11-ike (yeast)			
uc012sk.1	Bclaf1	beaded filament structural protein 1, in lens-CPD4			
uc0077m.1	Bfl1	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae)			
uc0077m.1	Bld17	BTB (POZ) domain containing 17			
uc007ez.1	Bves	blood vessel epicardial substance			
uc008yaf.2	C130026L21Rik	RIKEN cDNA C130026L21 gene			
uc008ba.2	Casp1	caspase activity and apoptosis inhibitor 1			
uc012eg.1	Cas11c	calcium channel, voltage-dependent, L type, alpha 1C subunit			
uc008bl.1	Camkmt	calmodulin-lysine N-methyltransferase			
uc0077m.1	Caps1	calyphosine-like			
uc009fb.2	Car12	carbonic anhydrase 12			
uc0077m.1	Cartp	CART prepropeptide			
uc009m.1	Cas3	caspase 3			
uc008hy.1	Casp7	caspase 7			
uc007wv.1	Cbx7	chromobox 7			



uc008aur.1	Gja4	gap junction protein, alpha 4
uc008qae.1:uc009qad.1:uc009qac.1:uc000	Gloc	glucuronyl C5-epimerase
uc0077k.1:uc0077l.1	Gm12948	predicted gene 12948
uc012ab.1:uc008aun.1	Gm12942	predicted gene 12942
uc012gfl.1	Gm684	predicted gene 684
uc011xwv.1	Gm9767	predicted gene 9767
uc0077fm.1:uc0077nl.1	Gm9866	predicted gene 9866
uc012baw.1:uc008qpc.1:uc008qob.1:uc008q	Golga1	golgi autoantigen, golgin subfamily a, 1
uc008qf.1	Golga11	GC-rich promoter binding protein 1-like 1
uc008del.1:uc008delh.1	Gpr108	G protein-coupled receptor 108
uc0089hx.2:uc012gbr.1	Gpr124	G protein-coupled receptor 124
uc012zpx.1:uc008qj2	Gpr171	G protein-coupled receptor 171
uc008uqh.1	Gpr173	G-protein coupled receptor 173
uc008rzz.2	Gpr96	G-protein coupled receptor 96
uc008qgl.1:uc008qpm.1	Gpr99	G protein-coupled receptor 99
uc008eas.1:uc008easf.1	Greb11	growth regulation by estrogen in breast cancer-like
uc012eeh.1:uc008zvy.1:uc008zvy.1:uc008	Gtf2id1	general transcription factor II 1 repeat domain-containing 1
uc007azp.1	Gtf3c3	general transcription factor IIIC, polypeptide 3
uc0089tp.1:uc0089tw.1	Haus2	HAUS augmin-like complex, subunit 2
uc012gfo.1:uc009mch.2:uc009mcg.2	Haus8	HAUS augmin-like complex, subunit 8
uc0077k.1	Hba-a2	hemoglobin alpha, adult chain 2
uc009qsz.1:uc009qta.1	Hotr2	hypocretin (orexin) receptor 2
uc0089yp.1:uc0089yq.1	Hdac8	histone deacetylase 8
uc0077wl.1	Hes1	hairy and enhancer of split 1 (Drosophila)
uc0077gq.1:uc011xwr.1	Hfzbh	3-hydroxyisobutyryl-Coenzyme A hydrolase
uc0077g.1	Hhps1	human immunodeficiency virus type 1 enhancer binding protein 1
uc0089uc.1	Hmg95	high-mobility group nucleosome binding domain 5
uc0089br.1:uc0088bq.1:uc0088bs.1:uc0088b	Hmgxb3	HMG box domain containing 3
uc0077bd.2:uc0077bc.1	Homez	homeodomain leucine zipper-encoding gene
uc0089gt.1:uc0089gz.2:uc0089gh.2:uc0089g	Hps5	Hernancky-Pudlak syndrome 5 homolog (human)
uc0077uj.1	Hv	hairless
uc0077hu.2	Htr1a	5-hydroxytryptamine (serotonin) receptor 1A
uc011wqx.1	Htr5b	5-hydroxytryptamine (serotonin) receptor 5B
uc008zku.1:uc008zkw.1:uc008zkw.1	Hvcm1	hydrogen voltage-gated channel 1
uc0089ml.1:uc0089mu.1:uc012kxk.1	Ifitm10	interferon induced transmembrane protein 10
uc0077wo.1:uc0077wos.1	IFT2	intraflagellar transport 27
uc0089ag.1	IFT4	intraflagellar transport 74
uc0077ai.1	Igf1p3	insulin-like growth factor binding protein 3
uc0089ad.2:uc0089ac.2:uc0089ac2.2:uc008	Igfbp5	immunoglobulin superfamily, member 5/Purkinje cell protein 4
uc012kxk.1:uc0089pe.2:uc0089oz.2:uc0089	Ikbkg	inhibitor of kappaB kinase gamma
uc012erz.1:uc0089dj2	IL17ra	interleukin 17 receptor A
uc011wep.1:uc0077cen.1	Ing5	inhibitor of growth family, member 5
uc0077m.1	Inhba	inhibin beta-A
uc0089mh.2	Insm1	insulinoma-associated 1
uc011yze.1:uc0077qj.1	Ippk	inositol 1,3,4,5,6-pentakisphosphate 2-kinase
uc0077z1.2:uc0077zk.2:uc0077zm.1:uc0077z	Irf9	interferon regulatory factor 9
uc0089ml.2:uc012kxy.1	Ism1	islet11 homolog (zebrafish)
uc012erz.1:uc0089de.1:uc0089dc.1:uc0089	Itp2	integrin alpha FG-GAP repeat containing 2
uc0089bd.1:uc0089bd.1:uc0089bc.1	Itpa6	integrin alpha 6
uc0077dw.1:uc0077du.1:uc0077dx.1:uc0077	Jmjd4	jumonji domain containing 4
uc0089ty.1:uc0089tx.1:uc0089ty.1:uc0089	Katnal2	katanin p60 subunit A-like 2
uc0089bv.1	Kcna1	potassium voltage-gated channel, shaker-related subfamily, member 1
uc0089gy.1	Kcnj11	potassium inwardly rectifying channel, subfamily J, member 11
uc0089gi.1	Kcnj14	potassium inwardly-rectifying channel, subfamily J, member 14
uc0077aq.2:uc011wio.1:uc0089uzv.1	Kcnq5	potassium voltage-gated channel, subfamily Q, member 5
uc0089qu.1:uc0089quv.1	KIR8	Kruppel-like factor 8
uc0089nj.1:uc0089nqm.1	KH36	kelch-like 36
uc0089eb.1	KH42	kelch-like 42
uc0077be.1	Klf12	keratin 12
uc0089ma.1	Lamtr3	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3
uc0089ng.2	Lbh	limb-bud and heart
uc0077bd.1:uc0077bc.1:uc0077bb.1:uc0077	Ldb3	LIM domain binding 3
uc0089kn.1:uc0089kxm.1	Lg2	leucine-rich repeat LGI family, member 2
uc0089ah.1	Lig4	ligase IV, DNA, ATP-dependent
uc0089uh.1	Lix1	Lix 1-like
uc012bdc.1:uc0089ey.1	Lmnb1	lamin B1
uc0077qf.2	Lpar6	lysophosphatidic acid receptor 6
uc0089zb.2:uc0089za.1:uc0089zc.2	Lrn1	leucine rich repeat and fibronectin type III domain containing 1
uc0077ge.1	Lrrc20	leucine rich repeat containing 20
uc0077rj.1:uc0077rb.1:uc0077rb.1:uc0077	Lrrk2	leucine-rich repeat kinase 2
uc0077kx.1:uc0077ki.1	Lrrtk3	leucine rich repeat transmembrane neuronal 3
uc0089iv.1	Lurap11	leucine rich adaptor protein 1-like
uc0089jz.1:uc012bvf.1	Lypd8b	LY6PLAUR domain containing 6B
uc011xuy.1:uc011xuz.1	Lym7	LYR motif containing 7
uc0089bu.1:uc0089buc.1	Mad22	MAD2 mitotic arrest deficient-like 2
uc012zpx.1	Magsb16	melanoma antigen family B, 16
uc0089eh.2:uc0089eb.2:uc0089ej.2	Magt1	magnesium transporter 1
uc0077yc.1	Map3k3	mitogen-activated protein kinase kinase kinase 3
uc0077co.2:uc0077cp.2	Map3k9	mitogen-activated protein kinase kinase kinase 9
uc0077fp.2	Mapk11	mitogen-activated protein kinase 11
uc0089fr.1	Mcar	melanocortin 4 receptor
uc0089as.1	Mcn7	mitochondrial maintenance deficient 7 (S. cerevisiae)
uc0077cd.1	Med6	mediator of RNA polymerase II transcription, subunit 6 homolog (yeast)
uc0089he.1:uc0089hj.1:uc0089hi.1:uc0089h	Mei2a	myocyte enhancer factor 2A
uc0089ts.1:uc0089tu.1:uc0089tt.1	Mest	mesoderm specific transcript
uc011xzd.1:uc011xyz.1:uc0077kc.1:uc0077	Meth16	methyltransferase like 16
uc0089et.1:uc0089ev.1:uc0089ew.1:uc0089	Meth20	methyltransferase like 20
uc0077ex.1:uc0077ex.1:uc0077ex.1	Meth6	methyltransferase like 6
uc0077bu.1:uc011wyt.1:uc0077bv.1:uc007	Mfsd7b	major facilitator superfamily domain containing 7B
uc0077ar.2:uc0077au.2:uc0077av.2:uc0077	Mga14a	mannose acetylglucosaminyltransferase 4, isoenzyme A
uc011xmt.1:uc0077yc.2:uc0077yd.2:uc007	Mga14c	mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme C (putative)
uc0077zw.1	Mis18a	MIS18 kinetochore protein homolog A (S. pombe)
uc0089de.1:uc0089dae.1:uc012zpb.1:uc008	Mks1b	MOS kinase activator 1B
uc0089qg.1	Mphosp6	M phase phosphoprotein 6
uc0089oz.1:uc012bev.1	Mro	maestro
uc0077pn.1	Mps27	mitochondrial ribosomal protein S27
uc0077pw.1	Mrs2	MRS2 magnesium homeostasis factor homolog (S. cerevisiae)
uc0077vm.2:uc0077vl.2:uc0077vn.2:uc007	Msa2	musashi RNA-binding protein 2
uc0077cb.1	Mst3l2	mate-specific lethal 3-like 2 (Drosophila)
uc0089ra.2:uc0089rc.2:uc0089rb.2	Mt1	metal response element binding transcription factor 1
uc0089ag.1:uc0089af.1:uc0089ae.1:uc0089	Mtg2	mitochondrial ribosome associated GTPase 2
uc011wzu.1:uc0077ehj.2:uc0077ehk.2	Mthfd11	methylenelethylthiolate dehydrogenase (NADP+ dependent) 1-like
uc0089yp.1:uc0089yo.1	Mthfd21	methylenelethylthiolate dehydrogenase (NADP+ dependent) 2-like
uc0089qf.1:uc0089qgd.1	Mtmr10	myotubularin related protein 10
uc0077ah.1	Mtmr9	myotubularin related protein 9
uc0089mv.2	Narp	N-acetylneuraminic acid phosphatase
uc0077ng.1:uc0077ng.1	Nat9	N-acetyltransferase 9 (GCN5-related, putative)
uc0089fv.2:uc0089fw.2:uc0089fx.2	Ndsl4	N-deacetylase/N-sulfotransferase (heparin glucosaminyl) 4
uc0089m.2	Necap2	NECAP endocytosis associated 2
uc0077gk.2:uc0077ge.2	Necp9	neural precursor cell expressed, developmentally down-regulated gene 9
uc011wfb.1:uc0077cvn.1:uc0077cvo.1	Nek7	NIMA (never in mitosis gene a)-related expressed kinase 7
uc0089tb.2:uc0089tc.1:uc0089td.1	Nexn	nexlin
uc012qju.1:uc012qjz.1:uc012qjz.1:uc012qj	Ntstc2	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 2
uc0089cq.2:uc0089cp.2:uc0089cv.2:uc008	Ntys	nuclear transcription factor-Y alpha
uc011ypl.1:uc0077sk.1	Npb	neurigin
uc0077ep.2	Nhlc1	NHL, repeat containing 1
uc0077gw.1	Ninj1	ninjurin 1
uc0089gn.1:uc0089go.1	Nipa3	NIPA-like domain containing 3
uc0089mk.1:uc0089ml.1	Nmd3	NMD3 homolog (S. cerevisiae)
uc0089ex.1	Nop14	NOP14 nucleolar protein
uc0089gm.1:uc0089gpo.1	Nos3c2	nos3 2
uc0077mv.1	Npb1	neuronal pentraxin 1
uc0089jx.2:uc012bvn.1:uc0089jy.2:uc0089	Nr4a2	nuclear receptor subfamily 4, group A, member 2
uc0089kg.1	Nrap	Notch-regulated ankyrin repeat protein
uc0077yg.1:uc0077yj.1:uc0077yk.1:uc0077	Nros	negative regulator of reactive oxygen species
uc0089kr.1:uc0089ks.1:uc0089kt.1:uc0089	Nsun7	NCL1/NOP25/Sun domain family, member 7
uc0089dz.2:uc012zey.1:uc012hex.1	NES	neurotrophin 3
uc0089ai.2:uc0089am.2:uc0089aj.2:uc0089	Ntrn1	netrin G1
uc012xmd.1:uc0089ig.1	Ntr1	neurotensin receptor 1
uc0089gz.1	Nud22	nudix (nucleoside diphosphate linked moiety X)-type motif 22
uc0089gw.2	Nup62	nucleoporin 62

uc012hpq.1.uc009jur.2	Nxt2	nuclear transport factor 2-like export factor 2
uc007mz.2	Olfm2b	olfactomedin-like 2B
uc007za.1	Olig1	oligodendrocyte transcription factor 1
uc008mf.1	Oncu2	one cut domain, family member 2
uc007fx.1	Osgpe	O-sialoglycoprotein endopeptidase
uc007azb.1.uc007azd.1.uc007	Osgpep1	O-sialoglycoprotein endopeptidase-like 1
uc008rq.1	Ovyp1	oviductal glycoprotein 1
uc007yq.2.uc007yq.2.uc007yqh.2	Oxnd1	oxalodectate NAD-binding domain containing 1
uc008ya.1.uc008yb.2.uc008yc.2.uc008y	P2b2	purinergic receptor P2X, ligand-gated ion channel, 2
uc008yq.1.uc008yr.1.uc008ys.1.uc008yt	Pagr3	progesterin and adipoO receptor family member III
uc012akb.1.uc012akb.1.uc008aj.1.uc012	Park2	Parkinson disease (autosomal recessive, juvenile) 2, parkin
uc009gs.1.uc009gt.1.uc009gu.1	Parva	parvin, alpha
uc007fz.2	Pcbd1	pletin 4 alpha carbinolamine dehydratase/dimethylization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 1
uc007gz.1	Pcbd2	pletin 4 alpha carbinolamine dehydratase/dimethylization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2
uc007h.2.uc011xgl.1.uc011xg.1.uc011x	Pcdh15	protocadherin 15
uc008ep.1	Pcdh13	protocadherin beta 13
uc008gp.2.uc008gq.2.uc008gv.1	Pcsk5	proprotein convertase subtilisin/kexin type 5
uc008az.2.uc008bd.2.uc008cb.2.uc008	Pde1c	phosphodiesterase 1C
uc012qpe.1.uc008dcd.2.uc009dce.1.uc008	Pdzr3	PDZ domain containing RING finger 3
uc007eq.2.uc007ek.2.uc007es.2.uc007	Phar2	phosphatase and actin regulator 2
uc008aj.2.uc008ak.2	PHD1	PHD finger protein 10
uc009wb.2.uc009wa.2.uc009wc.2	Phkg2	phosphorylase kinase, gamma 2 (testis)
uc008du.1	Pigf	phosphatidylinositol glycan anchor biosynthesis, class F
uc008jv.1.uc008jw.1	Pip5k1	phosphatidylinositol-4-phosphate 5-kinase-like 1
uc008za.1.uc008zb.1	Piw1	piwi-like RNA-mediated gene silencing 1
uc011xsl.1.uc007fkl.2.uc007gkl.2.uc011x	PlexA1	plexstratin adenoma gene-like 1
uc008vz.1.uc008va.2.uc008vb.1	Plexhm2	pleckstrin homology domain containing, family M (with RUN domain) member 2
uc009ar.1.uc009as.1	Plscr4	phospholipid scramblase 4
uc009fp.1	PNMA-like 1	PNMA-like 1
uc007xw.1.uc011zxf.1	Pp3a3	patatin-like phospholipase domain containing 3
uc011xv.1.uc007yhl.1.uc007yil.1.uc011x	Ppctb	POC1 centriluar protein homolog B (Chlamydomonas)
uc012qj.1.uc009qz.2	Pold1	polymerase (DNA directed), delta 1, catalytic subunit
uc007hfl.2.uc011xrl.1	Polm	polymerase (DNA directed), mu
uc009ng.2.uc009nh.2.uc009nl.2	Poli3e	polymerase (RNA) III (DNA directed) polypeptide E
uc007fv.2.uc007fv.2	Pop1	processing of precursor 1, ribonuclease PMRP family, (S. cerevisiae)
uc009pu.1.uc009pu.1.uc009puv.1	Ppdc	phosphoribothymoylcysteine decarboxylase
uc008us.1	Ppfe	peptidylprolyl isomerase E (cyclophilin E)
uc012qps.1.uc009gd.1	Ppim1m	protein phosphatase 1M
uc008ep.1	Ppp13d	protein phosphatase 1, regulatory subunit 3D
uc007ec.1	Ppp2r5a	protein phosphatase 2, regulatory subunit B (B56), alpha isoform
uc008yy.1	Ppkabp	protein kinase C, delta binding protein
uc008vs.1	Prc1	protein kinase C, iota
uc009gf.1.uc009gh.1.uc009gi.1.uc009	Prrt1	protein arginine N-methyltransferase 1
uc008ach.1	Psmg1	proteasome (prosome, macropain) assembly chaperone 1
uc007gv.1.uc007qw.1.uc007qy.1.uc007	Ptch1	patched homolog 1
uc008sl.1	Ptgd5	prostaglandin D2 synthase (brain)
uc009hu.1.uc009ip.1.uc009iq.1	Pth1r	parathyroid hormone 1 receptor
uc008ga.1	Ptin	pleiotrophin
uc008nu.1.uc008nv.1.uc008nz.1.uc008r	Plprt	protein tyrosine phosphatase, receptor type, T
uc008ja.1	Ptx3	pentraxin related gene
uc012baw.1.uc008wq.1.uc008wqn.1	Pus7	pseudouridylylase synthase 7 homolog (S. cerevisiae)
uc009nd.2.uc009ne.2	Pw12	poltivirus receptor-related 2
uc008m.1	Pmp4	peroxisomal membrane protein 4
uc008qs.1.uc008qt.1	Qcct	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)
uc008ed.1.uc008ee.1	Rab22a	RAB22A, member RAS oncogene family
uc009qz.1.uc009qa.1.uc009qb.1.uc012	Rab27a	RAB27A, member RAS oncogene family
uc008ay.1	Rab42	RAB42, member RAS oncogene family
uc007ac.1	Rabif	RAB interacting factor
uc009ym.1.uc009yl.1.uc008ygk.1	Racgef1b	RACGEF domain family, member 1B
uc012hp.1.uc008al.2	Rcc1d	RCC1 domain containing 1
uc007pck.1	Rcor1	REST corepressor 1
uc007taz.1.uc007oaa.1	Rdh11	retinol dehydrogenase 11
uc007uc.1	Reep4	receptor accessory protein 4
uc008er.1	Reps15	RAB15 effector protein
uc012bay.1.uc008em.2.uc008em.2.uc008	Reg3	RAF-like, estrogen-regulated, growth-inhibitor
uc011xv.1.uc007fp.2	Rhcf1f	hombol1 family 1 (Drosophila)
uc007voe.1.uc011zsk.1.uc007vod.1.uc007	Rhms2	regulating synaptic membrane exocytosis 2
uc012bax.1.uc008wq.1.uc008wqp.1	Rht1	RAD50 interactor 1
uc007qm.1.uc007qk.1.uc007qy.1	Rhp1	receptor (TNFRSF)-interacting serine-threonine kinase 1
uc007fr.2.uc007fr.2	Rhsa1h1	ribonuclease H1 protein
uc007aj.1	Rhsah2b	ribonuclease H2, subunit B
uc011wz.1.uc011wpy.1	Rhf152	ring finger protein 152
uc009hp.1.uc009hi.1.uc012qbo.1.uc009f	Rhf170	ring finger protein 170
uc007zl.1.uc007zj.1	Rhf31	ring finger protein 31
uc008wz.1.uc012dm.1.uc008wud.1.uc008	Rhf32	ring finger protein 32
uc008vl.1.uc008vu.1	Rhsa2	regulation protein A2
uc008jp.1	Rflpm	reprimo, TP53 dependent G2 arrest mediator candidate
uc012dq.1	Rps19-ps3	ribosomal protein S19, pseudogene 3
uc008vt.2.uc008vu.2	Rpp15	ribosomal RNA processing 15 homolog (S. cerevisiae)
uc007zu.1	Rpp1b	ribosomal RNA processing 1 homolog B (S. cerevisiae)
uc008rd.2.uc008re.2.uc008rdq.2.uc008r	Rwd2b	RWD domain containing 2B
uc007ac.2	Rwd3	RWD domain containing 3
uc009ks.2	S100b	S100 protein, beta polypeptide, neural
uc011zsw.1.uc007vl.1.uc007vj.1	S1pr5	sphingosine-1-phosphate receptor 5
uc007bn.2.uc007bn.2.uc007bp.1.uc007h	Samd12	sterile alpha motif domain containing 12
uc008ym.1	Samd4	sterile alpha motif domain containing 4
uc011yxl.1.uc007kxv.2	Scarb2	scaevenger receptor class B, member 2
uc011xqs.1.uc007huf.2	Scgpp1	serine carboxypeptidase 1
uc009ym.2.uc008yvo.2.uc012qap.1.uc00	Sec14b3	SEC14-like 3 (S. cerevisiae)
uc007pzz.1	Serp8	SUMO/sentrin specific peptidase 8
uc007gq.1.uc007gd.1.uc007ge.1.uc007g	Serpinb9	serine (or cysteine) peptidase inhibitor, clade B, member 9
uc017ps.1.uc007ip.1.uc007ps.1	Serpf2	SEPTA domain containing 2
uc007yh.1.uc007yt.2.uc007ys.2	Sh3pdc2b	SH3 and PX domains 2B
uc009ve.1.uc009vfl.1.uc009vqv.1	Shisa9	shisa homolog 9 (Xenopus laevis)
uc008ja.1	Siae	sialic acid acetyltransferase
uc007fk.2.uc007fke.2	Sia2	seven in absentia 2
uc007pw.2.uc007pw.2	Sirt1	sirtuin 1
uc007je.2.uc007ja.2	Siva1	SIVA1, apoptosis-inducing factor
uc007bn.1	Slc16a11	solute carrier family 16 (monocarboxylic acid transporters), member 11
uc007gsl.1	Slc16a14	solute carrier family 16 (monocarboxylic acid transporters), member 14
uc012qk.1.uc009qpo.1.uc009qp.1	Slc17a5	solute carrier family 17 (anion/sugar transporter), member 5
uc007gsl.1.uc007gsk.2	Slc17a8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8
uc007vc.2.uc007vd.2.uc007ve.1.uc007h	Slc19a1	solute carrier family 19 (bilate transporter), member 1
uc008pl.2.uc008pm.2.uc008pn.2	Slc22a15	solute carrier family 22 (organic anion/cation transporter), member 15
uc007uc.2	Slc22a5	solute carrier family 22 (organic cation transporter), member 5
uc009ic.2	Slk25a15	solute carrier family 25 (mitochondrial carrier ornithine transporter), member 15
uc012ad.1.uc008db.1	Slc30a6	solute carrier family 30 (zinc transporter), member 6
uc008nt.2	Slc30a7	solute carrier family 30 (zinc transporter), member 7
uc008y.2	Slc30a1	solute carrier family 30 (sugar transporter), member 1
uc009rs.2.uc009rt.2.uc009rs.2.uc009r	Slc37a5	solute carrier family 37, member 5 opposite strand
uc007mp.1.uc007mq.1	Slc3d3r1	solute carrier family 3 (sodium/hydrogen exchanger), member 3 regulator 1
uc008qe.2.uc008qd.1.uc012zba.1	Smad7	SMAD family member 7
uc007wz.2.uc007vz.2.uc007vz.2.uc007	Smc7i	Smith-Magenis syndrome chromosome region, candidate 7-like (human)
uc007zy.1	Smn11	small integral membrane protein 11
uc008ba.1	Smn3	small integral membrane protein 3
uc007wd.2	Shng10	small nuclear RNA host gene (non-protein coding) 10
uc011zqz.1	Shox172	small nuclear RNA, C/D box 72
uc012cor.1.uc012cos.1	Sox2.Mir1897	SOX2 overlapping transcript (non-protein coding)/microRNA 1897
uc008kc.2	Sp9	trans-acting transcription factor 9
uc007vm.1.uc007vo.1.uc007vp.1	Spag1	sperm associated antigen 1
uc008r.1.uc012cag.1.uc008ri.1	Spast1	spermatogenesis associated 1
uc009id.1	Spcc3	signal peptidase complex subunit 3 homolog (S. cerevisiae)
uc008ih.2.uc008ij.2.uc008il.2	Sppl1	speckle-type POZ protein-like
uc009px.2	Sply2d1	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)
uc012ayk.1.uc008du.2.uc012ayj.1.uc008	Srdc1	S1 RNA binding domain 1
uc007zu.1.uc007xt.1	Sr1	sarcosinemia
uc008nw.1	Srn1	sulfiredoxin 1 homolog (S. cerevisiae)
uc007mp.1.uc007mq.1.uc011yfa.1	Sstr2	somatostatin receptor 2
uc009hb.1	Star	steroidogenic acute regulatory protein
uc007gc.1.uc007ge.1.uc007gd.1	Start3	START domain containing 3
uc008ej.1.uc008ej.1	Start4	START-related lipid transfer (START) domain containing 4

uc009dq1	Stard5	SIAR-related lipid transfer (START) domain containing 5
uc0079m.2:uc0079m.2:uc0079m.1	Stab5b	signal transducer and activator of transcription 5B
uc0089ka.1:uc0089ka.1:uc0089kcp.1	Stad1	starch binding domain 1
uc011zr.1:uc0074z.1	Stk3	serine/threonine kinase 3
uc0079h.1:uc0079h.1:uc0079h.1:uc0079h.1	Stx8	syntaxin 8
uc0089ka.1:uc0089kpb.2	Sulf2b1	sulfotransferase family, cytosolic, 2B, member 1
uc0089df.2	Sumf1	sulfatase modifying factor 1
uc0089ca.1:uc0089cap.1:uc0089caf.1:uc0089	Sup3	suppressor of Ty 3
uc0089nc.2:uc0089ncq.2:uc0089ncr.1	Swc9b1	suppressor of vanguard 3-9 homolog 1 (Drosophila)
uc0089nc.2	Swasp1	SWIM type zinc finger 7 associated protein 1
uc0079ds.1:uc0079dfr.1	Syndg11	synapse differentiation inducing 1 like
uc0089ky.2	Tacr3	tachykinin receptor 3
uc0089ka.2:uc0089kps.2:uc0089kt2:uc012	Tars2	threonyl-tRNA synthetase 2, mitochondrial (putative)
uc0079el.1:uc0079es.1:uc0079ev.1:uc0079	TBC1	TBC1 domain family, member 31
uc0079mp.1:uc0079mq.1:uc0079ms.1:uc0	Tace	tubulin-specific chaperone E
uc011zw.1	Tbrg3	transforming growth factor beta regulated gene 3
uc0089yz.1:uc0089zy.1	Tchp	trichoplein, keratin filament binding
uc0079kr.1:uc0079ks.1	Tcp112	t-complex 11 (mouse) like 2
uc0079of.2:uc0079og.2:uc0079oh.1:uc007	Tdp1	tyrosyl-DNA phosphodiesterase 1
uc0089ag.1:uc0089agj.1:uc0079hej.1	Teac	teacotin
uc0089kb.1:uc0089ka.1:uc0089kc.1	Tex15	testis expressed gene 15
uc0089nk.2:uc0089nj.2	Tgfa	transforming growth factor alpha
uc0089tz.2:uc0089ma.2	Tgfr3	transforming growth factor, beta receptor III
uc0089yx.2:uc0089yy.2	Thsd4	thrombospondin, type I, domain containing 4
uc0089ay.2	Thsd7a	thrombospondin, type I, domain containing 7A
uc0089ak.1:uc0089del.1	Thumpr5	THUMP domain containing 3
uc0089dj.1	Tigd2	ligger transposable element derived 2
uc0079hp.1	Tigd5	ligger transposable element derived 5
uc0089pt.1:uc0089ps.1:uc0089qbr.1	Tpin	timeless interacting protein
uc0079wm.1	Tmem100	transmembrane protein 100
uc0079ym.1:uc0079yn.1	Tmem117	transmembrane protein 117
uc0079yc.1	Tmem186	transmembrane protein 186
uc0089pd.1:uc0089pe.1:uc0089pf.1:uc008	Tmem2	transmembrane protein 2
uc0089gc.1:uc0089gd.1	Tmem216	transmembrane protein 216
uc0089na.1:uc012gky.1	Tmem231	transmembrane protein 231
uc0079zf.1:uc0079ze.1	Tmem39a	transmembrane protein 39a
uc0089aw.1:uc012dcd.1:uc012dcd.1	Tmem8b	transmembrane protein 8B
uc0079na.2:uc0079nb.2	Tnfrsf3	tumor necrosis factor, alpha-induced protein 3
uc0089dt.2	Tnfrsf81	tumor necrosis factor, alpha-induced protein 8-like 1
uc0079ba.2	Tnr	tenascin R
uc0079wm.1:uc0079wn.1	Tob2	transducer of ERBB2, 2
uc0089ru.2:uc0089rv.1:uc0089ru.1	Tox	thymocyte selection-associated high mobility group box
uc0079el.1:uc011kq.1:uc011kcl.1:uc0079e	Tp53d21	tumor protein D52-like 1
uc0089zuc.2:uc0089zud.2	Tpst1	protein-tyrosine sulfotransferase 1
uc0079ax.2:uc0079ay.2	Traf3p1	TRAF3 interacting protein 1
uc0079wa.1	Traf3p2	TRAF3 interacting protein 2
uc0079cc.1:uc0079cy.1:uc011xvj.1:uc0079	Trip11	tripartite motif-containing 11
uc0089ev.2:uc012bcp.1	Trip16	tripartite motif-containing 16
uc0089qz.2:uc0089ra.2:uc0089qz.2	Trip45	tripartite motif-containing 45
uc0079pd.2:uc0079pf.1	Trip7	tripartite motif-containing 7
uc0089ur.1:uc0089us.1	Trit1	RNA isopentenyltransferase 1
uc0079vp.1	Trrt12	RNA methyltransferase 12
uc0089ht.1:uc0089hu.1	Trip5311	transformation related protein 53 inducible protein 11
uc0079ym.2:uc0079yo.2:uc0079yq.2:uc007	Trip63	transformation related protein 63
uc0089kj.1	Tshz3	teashirt zinc finger family member 3
uc012aql.1:uc0089bar.1	Tspan12	tetraspanin 12
uc011wvd.1	Tst2	thiosulfate sulfurtransferase (rhodanese)-like domain containing 1
uc0089fl.1:uc0089gu.1:uc0089gv.1	Tct17	tetratricopeptide repeat domain 17
uc0089ew.2	Tctd1a1	tetratricopeptide repeat domain 30A1
uc012daj.1	Tctd3	tetratricopeptide repeat domain 34
uc0089kv.1:uc0089kw.1:uc0089ka.1	Tctd39b	tetratricopeptide repeat domain 39B
uc0089zk.1	Tct1	transcription termination factor, RNA polymerase I
uc0089nw.2:uc012czi.1:uc0089nx.1:uc012c	Tct7	tubulin tyrosine ligase-like family, member 7
uc012huc.1:uc0089gm.2:uc0089gl.2:uc005	Tubgcp2	tubulin, gamma complex associated protein 2
uc0089ml.1:uc012cp.1:uc0089mw.1:uc011	Tubgcp3	tubulin, gamma complex associated protein 3
uc0089dh.1:uc0089ed.1	Tubp3	tubby-like protein 3
uc012czw.1:uc0089uo.2	Tyao3	RNA- <i>YW</i> synthesizing protein 3 homolog (S. cerevisiae)
uc0089pc.1	Uba2cbp	ubiquitin-conjugating enzyme E2C binding protein
uc0089wb.1:uc012dmq.1	Ubxm11	UBX domain protein 11
uc012huc.1:uc0089sy.2:uc0089scx.2:uc012	Ulk4	unc-51-like kinase 4
uc0089qb.1	Uln13c	unc-13 homolog C (C. elegans)
uc0079gm.1:uc0079gp.1:uc0079gn.1:uc00	Usp15	ubiquitin specific peptidase 15
uc0089ku.1:uc0089kv.1:uc0089kw.1:uc012	Vac14	Vac14 homolog (S. cerevisiae)
uc0089dz.2:uc0089dy.1:uc0089dx.1:uc0089	Vamp1	vesicle-associated membrane protein 1
uc0079xz.2	Vasn	vasonin
uc0089fw.1:uc0089gw.1:uc0089gv.1:uc00	Vacu15a	vacuolar protein sorting 15A (yeast)
uc0079az.1:uc0079ad.1:uc0079ac.1:uc007	Vrk1	vaccinia related kinase 1
uc0089gb.1:uc0089gc.1:uc0089gd.1	Vrk3	vaccinia related kinase 3
uc0089na.1:uc0089njz.1	Vwa3a	von Willebrand factor A domain containing 3A
uc0089gm.1:uc0089gn.1:uc0089qco.1	Vwa9	von Willebrand factor A domain containing 9
uc0089hu.1:uc0089iu.1:uc0089je.1	Wd5f1	WD repeat domain 31
uc0089j.1	Wes1	WEE1 homolog 1 (S. pombe)
uc0089kv.2:uc0089kw.2:uc012bpu.1:uc0089	Whn11	wingless-related MMTV integration site 11
uc0089nc.2:uc0089nd.2	Wwox	WW domain-containing oxidoreductase
uc0089hl.1	Xir3b	X-linked lymphocyte-regulated 3B
uc0079wy.1:uc0079wz.1	Xrc6	X-ray repair complementing defective repair in Chinese hamster cells 6
uc0089jj.1:uc0089jm.1	Xyf11	xylyltransferase 1
uc0079ka.2	Xyf2	xylyltransferase II
uc0089hu.1	Znf34	zinc finger and BTB domain containing 34
uc0089wy.1:uc0089wz.1	Znf88b	zinc finger and BTB domain containing 8b
uc0079nl.1	Zc3h10	zinc finger CCH type containing 10
uc0089ma.2:uc0089mc.2	Zc3h6	zinc finger CCH type containing 6
uc0089ka.1:uc0089kb.1:uc0089kc.1:uc0089	Zc4c4	zinc finger, CCHC domain containing 4
uc0089oa.1	Zfx4	zinc finger homeodomain 4
uc0089ky.1:uc0089kj.1	Zfp101	zinc finger protein 101
uc0089fl.1	Zfp105	zinc finger protein 105
uc0089kv.1:uc0089ju.1:uc0089kl.1	Zfp12	zinc finger protein 12
uc0089dl.1:uc0089dm.1	Zfp239	zinc finger protein 239
uc0089li.1	Zfp28	zinc finger protein 28
uc0079j.1:uc0079k.1:uc0079l.1	Zfp287	zinc finger protein 287
uc0089ea.1:uc012exd.1:uc0089ef.1	Zfp324	zinc finger protein 324
uc0089tw.1:uc0089tx.1	Zfp37	zinc finger protein 37
uc0079cn.1	Zfp39	zinc finger protein 39
uc012baq.1:uc012baj.1:uc0089wh.1	Zfp498	zinc finger protein 498
uc0089gck.2:uc0089gcl.2	Zfp420	zinc finger protein 420
uc0089ar.1:uc0089aq.1:uc0089aq.1	Zfp53	zinc finger protein 53
uc0089lp.2	Zfp592	zinc finger protein 592
uc0089pl.1	Zfp61	zinc finger protein 61
uc0079pw.1:uc0079px.1:uc0079py.1:uc0079	Zfp62	zinc finger protein 62
uc0089cl.1:uc0089ck.1:uc0089co.1	Zfp64	zinc finger protein 64
uc0089nd.2	Zfp719	zinc finger protein 719
uc0089km.1:uc0089kl.1	Zfp780b	zinc finger protein 780b
uc0079ca.2:uc011yau.1	Zfp839	zinc finger protein 839
uc0079ba.2	Zfp87	zinc finger protein 87
uc0089ru.1	Zfp930	zinc finger protein 930
uc0079wv.2:uc0079wx.2:uc0079wz.2	Zfp935	zinc finger protein 935
uc012abp.1:uc0089aq.2:uc0089arp.2	Zfp944	zinc finger protein 944
uc012exo.1	Zfp954	zinc finger protein 954
uc0089sj.1	Zfpm1	zinc finger protein, multitype 1
uc0079wq.1:uc0079vr.1:uc0079vs.1	Zfpm2	zinc finger protein, multitype 2
uc012exl.1:uc0089fv.1	Zmi1	zinc finger, imprinted 1
uc0079j.1:uc0079k.1:uc0079l.1	Zscan6	zinc finger with KRAB and SCAN domains 6
uc0089gk.1:uc0089gw.1:uc012hon.1:uc00	Zmat1	Zmat1 AKO38525
uc0079pd.1:uc0079pe.1:uc0079pf.1	Zscan12	zinc finger and SCAN domain containing 12
uc0079jp.2	Zawim7	zinc finger SWIM-type containing 7
uc0089pm.2:uc012gva.1	Zwlch	zwlch kinetochore protein