

Gene	Enrichment fold	Average FPKM	Description
Ngb	1025.70	21.5	neuroglobin
Prm1	662.04	103.9	protamine 1
Rarres1	188.76	15.9	retinoic acid receptor responder 1
Mgat5b	175.47	24.0	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B
Crb2	150.90	44.1	crumbs cell polarity complex component 2
Foxd1	139.62	40.8	forkhead box D1
Wt1	136.50	312.5	Wilms tumor 1 homolog
Lmx1b	134.79	119.3	LIM homeobox transcription factor 1 beta
Myom2	134.16	184.6	myomesin 2
Tmem54	133.32	48.4	transmembrane protein 54
Ptpro	132.05	231.4	protein tyrosine phosphatase receptor type O
Tdrd5	127.41	33.3	tudor domain containing 5
Wif1	125.39	20.9	WNT inhibitory factor 1
BB014433	124.65	15.5	expressed sequence BB014433
Nphs2	123.80	1339.4	NPHS2 stomatin family member, podocin
Nphs1	113.82	247.0	NPHS1 adhesion molecule, nephrin
Mrgprf	106.17	15.9	MAS related GPR family member F
Ddn	97.30	194.0	dendrin
Arhgap28	93.21	80.0	Rho GTPase activating protein 28
Rab3b	89.35	107.7	RAB3B, member RAS oncogene family
Sema3e	88.87	19.8	semaphorin 3E
Tspan2	87.47	74.0	tetraspanin 2
Clic3	83.83	321.1	chloride intracellular channel 3
Myl7	82.78	264.2	myosin light chain 7
Srgap1	81.79	101.2	SLIT-ROBO Rho GTPase activating protein 1
Nebi	80.01	33.0	nebulin
Synpo	78.78	767.7	synaptopodin
Nes	78.55	494.1	nestin
Thsd7a	75.80	111.0	thrombospondin type 1 domain containing 7A
Hs3st3a1	75.53	22.0	heparan sulfate-glucosamine 3-sulfotransferase 3A1
Sema3g	75.08	610.6	semaphorin 3G
Tyro3	74.54	17.3	TYRO3 protein tyrosine kinase
Aplp1	73.38	122.1	amyloid beta precursor like protein 1
Hs3st6	72.41	182.0	heparan sulfate-glucosamine 3-sulfotransferase 6
Nxph3	72.38	79.0	neurexophilin 3
Ube2ql1	70.72	16.6	ubiquitin conjugating enzyme E2 Q family like 1
Nr4a3	67.41	21.6	nuclear receptor subfamily 4 group A member 3
Foxd2	67.32	53.7	forkhead box D2
Fndc5	67.22	72.7	fibronectin type III domain containing 5
Shisa3	67.04	102.6	shisa family member 3
Cdkn1c	66.16	571.4	cyclin-dependent kinase inhibitor 1C (P57)
Plce1	65.48	56.2	phospholipase C epsilon 1
Foxl1	64.15	37.7	forkhead box L1
Podxl	64.11	1755.1	podocalyxin-like
C1qtnf1	60.78	139.8	C1q and TNF related 1
Rhbdl3	60.29	50.3	rhomboid like 3
Mmp23	59.98	37.8	matrix metalloproteinase 23
Fgfbp1	56.91	25.1	fibroblast growth factor binding protein 1
Raver2	50.61	33.9	ribonucleoprotein, PTB binding 2

Cldn5	46.63	92.6	claudin 5
Chst1	46.19	109.5	carbohydrate sulfotransferase 1
Sync	46.01	21.9	syncoilin, intermediate filament protein
Astn2	45.46	20.3	astrotactin 2
Tmem150c	44.89	95.8	transmembrane protein 150C
Rhpn1	44.88	196.7	rhophilin Rho GTPase binding protein 1
H2-Q6	44.05	373.6	histocompatibility 2, Q region locus 6
Wipf3	43.76	37.7	WAS/WASL interacting protein family member 3
Mafa	43.09	17.7	MAF bZIP transcription factor A
Zbtb7c	40.66	45.4	zinc finger and BTB domain containing 7C
Fzd2	40.45	28.2	frizzled class receptor 2
St6galnac6	39.92	27.9	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 6
Speg	38.84	40.0	striated muscle enriched protein kinase
Rasl11a	37.91	135.2	RAS like family 11 member A
Foxc2	37.54	111.4	forkhead box C2
Rassf10	35.68	30.9	Ras association domain family member 10
Adcy1	35.65	41.9	adenylate cyclase 1
Nr4a1	34.88	117.1	nuclear receptor subfamily 4 group A member 1
C1qtnf7	34.27	25.5	C1q and TNF related 7
E2f1	33.69	34.3	E2F transcription factor 1
Npr3	33.10	61.7	natriuretic peptide receptor 3
Loxl2	32.84	57.2	lysyl oxidase like 2
Ntng2	32.76	48.8	netrin G2
Zfp385b	31.87	15.9	zinc finger protein 385B
Golim4	31.47	95.5	golgi integral membrane protein 4
Magi2	30.84	68.3	membrane associated guanylate kinase, WW and PDZ domain containing 2
Pigr	29.87	2683.3	polymeric immunoglobulin receptor
Plat	29.58	79.8	plasminogen activator, tissue type
Tcf21	29.15	82.9	transcription factor 21
Nupr1	28.92	178.4	nuclear protein 1, transcriptional regulator
H2-Q7	28.79	52.3	histocompatibility 2, Q region locus 7
Paxx	27.90	119.2	non-homologous end joining factor
Galnt10	27.81	94.2	polypeptide N-acetylgalactosaminyltransferase 10
Marveld1	27.27	183.9	MARVEL domain containing 1
Inf2	27.08	76.8	inverted formin 2
Acpp	26.32	29.8	Acp3; acid phosphatase 3
Pard3b	26.23	56.8	par-3 family cell polarity regulator beta
Zfp423	26.15	23.4	zinc finger protein 423
Ripor1	25.64	539.1	RHO family interacting cell polarization regulator 1
Coro2b	25.56	55.6	coronin 2B
Anxa1	25.17	44.9	annexin A1
Car13	25.17	21.0	Ca13; carbonic anhydrase 13
Pxdc1	24.89	24.6	PX domain containing 1
Vash1	24.59	38.8	vasohibin 1
Itpr3	24.24	37.8	inositol 1,4,5-trisphosphate receptor type 3
Robo2	23.96	32.8	roundabout guidance receptor 2
Sncaip	23.49	50.2	synuclein alpha interacting protein
R3hdml	23.43	34.0	R3H domain containing like
Mafb	23.03	309.5	MAF bZIP transcription factor B
Adm	22.40	59.3	adrenomedullin

Gdpd5	22.13	18.9	glycerophosphodiester phosphodiesterase domain containing 5
Hspb8	21.71	36.6	heat shock protein family B (small) member 8
Mtcl1	21.37	33.6	microtubule crosslinking factor 1
Gas7	21.11	29.6	growth arrest specific 7
Gpsm3	20.86	73.4	G protein signaling modulator 3
Ehd2	19.12	113.3	EH domain containing 2
Angptl2	18.93	110.6	angiopoietin like 2
Tm4sf1	18.79	46.5	transmembrane 4 L six family member 1
Arhgap23	18.69	59.9	Rho GTPase activating protein 23
St3gal1	18.66	63.9	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Ksr1	18.50	35.8	kinase suppressor of ras 1
Kirrel	18.10	51.2	kirre like nephrin family adhesion molecule 1
Anxa3	17.76	32.8	annexin A3
Plekhh2	17.62	25.4	pleckstrin homology, MyTH4 and FERM domain containing H2
Pros1	17.35	36.8	protein S
Plekho1	17.25	78.3	pleckstrin homology domain containing O1
Npr1	17.11	49.5	natriuretic peptide receptor 1
Ccdc92	16.99	54.9	coiled-coil domain containing 92
Mgat5	16.65	126.3	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase
Kcnj12	16.43	15.0	potassium inwardly rectifying channel subfamily J member 12
Tmtc1	16.30	54.5	transmembrane O-mannosyltransferase targeting cadherins 1
Cdc14a	16.22	21.9	cell division cycle 14A
Gadd45a	16.22	125.0	growth arrest and DNA damage inducible alpha
Ablim3	15.81	56.8	actin binding LIM protein family member 3
Mcc	15.76	28.5	MCC regulator of WNT signaling pathway
Vim	15.69	149.2	vimentin
Hoxc8	15.20	31.5	homeobox C8

Gene	Enrichment fold	Average FPKM	Description
Ngb	1025.70	21.5	neuroglobin
Prm1	662.04	103.9	protamine 1
Rarres1	188.76	15.9	retinoic acid receptor responder 1
Mgat5b	175.47	24.0	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B
Gja3	170.16	8.5	gap junction protein alpha 3
Crb2	150.90	44.1	crumbs cell polarity complex component 2
Foxd1	139.62	40.8	forkhead box D1
Gabra4	139.49	2.5	gamma-aminobutyric acid type A receptor subunit alpha4
Wt1	136.50	312.5	Wilms tumor 1 homolog
Lmx1b	134.79	119.3	LIM homeobox transcription factor 1 beta
Myom2	134.16	184.6	myomesin 2
Tmem54	133.32	48.4	transmembrane protein 54
Ptpro	132.05	231.4	protein tyrosine phosphatase receptor type O
Rdh1	129.53	12.2	retinol dehydrogenase 1
Tdrd5	127.41	33.3	tudor domain containing 5
Wif1	125.39	20.9	WNT inhibitory factor 1
BB014433	124.65	15.5	expressed sequence BB014433
Nphs2	123.80	1339.4	NPHS2 stomatin family member, podocin
Nphs1	113.82	247.0	NPHS1 adhesion molecule, nephrin
Mrgprf	106.17	15.9	MAS related GPR family member F
Myl3	105.91	1.9	myosin light chain 3
Myoz1	105.21	2.1	myozenin 1
Arsj	101.24	3.8	arylsulfatase family member J
Ddn	97.30	194.0	dendrin
Arhgap28	93.21	80.0	Rho GTPase activating protein 28
Kcnf1	91.12	13.3	potassium voltage-gated channel modifier subfamily F member 1
Rab3b	89.35	107.7	RAB3B, member RAS oncogene family
Sema3e	88.87	19.8	semaphorin 3E
Tspan2	87.47	74.0	tetraspanin 2
Smyd1	85.59	4.9	SET and MYND domain containing 1
Usp13	84.17	6.6	ubiquitin specific peptidase 13
Clic3	83.83	321.1	chloride intracellular channel 3
Hpca	83.78	6.4	hippocalcin
Lingo2	83.52	6.7	leucine rich repeat and Ig domain containing 2
Myl7	82.78	264.2	myosin light chain 7
Srgap1	81.79	101.2	SLIT-ROBO Rho GTPase activating protein 1
Neb1	80.01	33.0	nebulette
Synpo	78.78	767.7	synaptopodin
Nes	78.55	494.1	nestin
Thsd7a	75.80	111.0	thrombospondin type 1 domain containing 7A
Hs3st3a1	75.53	22.0	heparan sulfate-glucosamine 3-sulfotransferase 3A1
Gdf5	75.32	3.6	growth differentiation factor 5
Epha6	75.26	3.2	EPH receptor A6
Sema3g	75.08	610.6	semaphorin 3G
Tyro3	74.54	17.3	TYRO3 protein tyrosine kinase
Aplp1	73.38	122.1	amyloid beta precursor like protein 1
Hs3st6	72.41	182.0	heparan sulfate-glucosamine 3-sulfotransferase 6
Nxph3	72.38	79.0	neurexophilin 3
Ube2ql1	70.72	16.6	ubiquitin conjugating enzyme E2 Q family like 1

Nr4a3	67.41	21.6	nuclear receptor subfamily 4 group A member 3
Foxd2	67.32	53.7	forkhead box D2
Fndc5	67.22	72.7	fibronectin type III domain containing 5
Shisa3	67.04	102.6	shisa family member 3
Cdkn1c	66.16	571.4	cyclin-dependent kinase inhibitor 1C (P57)
Plce1	65.48	56.2	phospholipase C epsilon 1
Foxl1	64.15	37.7	forkhead box L1
Podxl	64.11	1755.1	podocalyxin-like
Tshb	63.08	4.6	thyroid stimulating hormone subunit beta
Srrm4	61.23	5.4	serine/arginine repetitive matrix 4
Sgip1	60.94	9.1	SH3GL interacting endocytic adaptor 1
C1qtnf1	60.78	139.8	C1q and TNF related 1
Rhbdl3	60.29	50.3	rhomboid like 3
Mmp23	59.98	37.8	matrix metalloproteinase 23
Fgfbp1	56.91	25.1	fibroblast growth factor binding protein 1
Wfikkn2	53.41	1.5	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2
Ntrk3	52.68	5.5	neurotrophic receptor tyrosine kinase 3
Raver2	50.61	33.9	ribonucleoprotein, PTB binding 2
Nell2	48.76	2.6	neural EGFL like 2
Cldn5	46.63	92.6	claudin 5
Chst1	46.19	109.5	carbohydrate sulfotransferase 1
Sync	46.01	21.9	syncoilin, intermediate filament protein
Astn2	45.46	20.3	astrotactin 2
Ptchd4	45.09	4.1	patched domain containing 4
Tmem150c	44.89	95.8	transmembrane protein 150C
Rhpn1	44.88	196.7	rhophilin Rho GTPase binding protein 1
H2-Q6	44.05	373.6	histocompatibility 2, Q region locus 6
Wipf3	43.76	37.7	WAS/WASL interacting protein family member 3
Glp1r	43.70	10.9	glucagon like peptide 1 receptor
Mafa	43.09	17.7	MAF bZIP transcription factor A
Necab3	42.83	5.0	N-terminal EF-hand calcium binding protein 3
Kcng2	42.82	11.6	potassium voltage-gated channel modifier subfamily G member 2
Gbx1	41.84	8.0	gastrulation brain homeobox 1
Sulf1	41.79	10.4	sulfatase 1
Zbtb7c	40.66	45.4	zinc finger and BTB domain containing 7C
Eya4	40.46	2.1	EYA transcriptional coactivator and phosphatase 4
Fzd2	40.45	28.2	frizzled class receptor 2
St6galnac6	39.92	27.9	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 6
Spep	38.84	40.0	striated muscle enriched protein kinase
Dlk2	38.79	3.4	delta like non-canonical Notch ligand 2
Nectin4	38.79	13.0	nectin cell adhesion molecule 4
Rasl11a	37.91	135.2	RAS like family 11 member A
Amph	37.80	3.4	amphiphysin
Ager	37.69	2.6	advanced glycosylation end-product specific receptor
Foxc2	37.54	111.4	forkhead box C2
Vttn1	36.06	13.2	V-set domain containing T cell activation inhibitor 1
Rassf10	35.68	30.9	Ras association domain family member 10
Adcy1	35.65	41.9	adenylate cyclase 1
Dync1i1	35.22	4.4	dynein cytoplasmic 1 intermediate chain 1
Nr4a1	34.88	117.1	nuclear receptor subfamily 4 group A member 1

Tmem95	34.75	2.4	transmembrane protein 95
C1qtnf7	34.27	25.5	C1q and TNF related 7
Gdnf	34.05	6.1	glial cell derived neurotrophic factor
Fam78b	33.94	7.1	family with sequence similarity 78 member B
E2f1	33.69	34.3	E2F transcription factor 1
Lingo1	33.53	2.1	leucine rich repeat and Ig domain containing 1
Npr3	33.10	61.7	natriuretic peptide receptor 3
Loxl2	32.84	57.2	lysyl oxidase like 2
Ntng2	32.76	48.8	netrin G2
Zfp385b	31.87	15.9	zinc finger protein 385B
Golim4	31.47	95.5	golgi integral membrane protein 4
Kirrel2	31.38	2.4	kirre like nephrin family adhesion molecule 2
Asic2	31.32	7.3	acid sensing ion channel subunit 2
Magi2	30.84	68.3	membrane associated guanylate kinase, WW and PDZ domain containing 2
Pigr	29.87	2683.3	polymeric immunoglobulin receptor
Plat	29.58	79.8	plasminogen activator, tissue type
Tcf21	29.15	82.9	transcription factor 21
B3galt2	29.11	5.6	beta-1,3-galactosyltransferase 2
Nupr1	28.92	178.4	nuclear protein 1, transcriptional regulator
H2-Q7	28.79	52.3	histocompatibility 2, Q region locus 7
Tmc7	28.67	5.0	transmembrane channel like 7
Paxx	27.90	119.2	non-homologous end joining factor
Galnt10	27.81	94.2	polypeptide N-acetylgalactosaminyltransferase 10
Marveld1	27.27	183.9	MARVEL domain containing 1
Inf2	27.08	76.8	inverted formin 2
Hrh2	26.33	1.6	histamine receptor H2
Acpp	26.32	29.8	Acp3; acid phosphatase 3
Pard3b	26.23	56.8	par-3 family cell polarity regulator beta
Tac4	26.21	1.5	tachykinin 4
Zfp423	26.15	23.4	zinc finger protein 423
Ripor1	25.64	539.1	RHO family interacting cell polarization regulator 1
Coro2b	25.56	55.6	coronin 2B
Anxa1	25.17	44.9	annexin A1
Car13	25.17	21.0	Ca13; carbonic anhydrase 13
Flrt2	25.12	14.2	fibronectin leucine rich transmembrane protein 2
Map1a	24.94	13.5	microtubule associated protein 1A
Pxdc1	24.89	24.6	PX domain containing 1
Vash1	24.59	38.8	vasohibin 1
Slc17a9	24.42	2.0	solute carrier family 17 member 9
Sox8	24.38	8.4	SRY-box transcription factor 8
Itpr3	24.24	37.8	inositol 1,4,5-trisphosphate receptor type 3
Robo2	23.96	32.8	roundabout guidance receptor 2
St6galnac3	23.53	4.5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 3
Sncap	23.49	50.2	synuclein alpha interacting protein
R3hdml	23.43	34.0	R3H domain containing like
Mafb	23.03	309.5	MAF bZIP transcription factor B
Adm	22.40	59.3	adrenomedullin
Gdpd5	22.13	18.9	glycerophosphodiester phosphodiesterase domain containing 5
Itga2	22.11	4.0	integrin subunit alpha 2
Hspb8	21.71	36.6	heat shock protein family B (small) member 8

Lrrc49	21.44	9.5	leucine rich repeat containing 49
Mtcl1	21.37	33.6	microtubule crosslinking factor 1
Gas7	21.11	29.6	growth arrest specific 7
Ephb1	21.07	12.2	EPH receptor B1
Fosb	21.07	5.5	FosB proto-oncogene, AP-1 transcription factor subunit
Gm266	21.04	13.4	predicted gene 266
Abra	20.99	4.8	actin binding Rho activating protein
Pianp	20.89	3.5	PILR alpha associated neural protein
D16Ert472e	20.89	7.9	C21orf91; chromosome 21 open reading frame 91
Gpsm3	20.86	73.4	G protein signaling modulator 3
Syt9	20.47	8.6	synaptotagmin 9
Lysmd2	20.42	6.4	LysM domain containing 2
Prx	20.30	11.4	periaxin
Lor	19.69	9.4	Loricrin; loricrin cornified envelope precursor protein
Arhgef26	19.57	5.6	Rho guanine nucleotide exchange factor 26
Ehd2	19.12	113.3	EH domain containing 2
Syn1	18.96	2.1	synapsin I
Angptl2	18.93	110.6	angiopoietin like 2
Tm4sf1	18.79	46.5	transmembrane 4 L six family member 1
Arhgap23	18.69	59.9	Rho GTPase activating protein 23
St3gal1	18.66	63.9	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Cmtm7	18.64	10.0	CKLF like MARVEL transmembrane domain containing 7
Mmp17	18.59	3.4	matrix metalloproteinase 17
Ksr1	18.50	35.8	kinase suppressor of ras 1
Fxyd6	18.46	11.3	FXFD domain containing ion transport regulator 6
Myzap	18.45	3.3	myocardial zonula adherens protein
Csdc2	18.39	11.5	cold shock domain containing C2
Kirrel	18.10	51.2	kirre like nephrin family adhesion molecule 1
Samd5	18.02	10.2	sterile alpha motif domain containing 5
Anxa3	17.76	32.8	annexin A3
Plekhh2	17.62	25.4	pleckstrin homology, MyTH4 and FERM domain containing H2
Bend4	17.37	2.3	BEN domain containing 4
Pros1	17.35	36.8	protein S
Plekho1	17.25	78.3	pleckstrin homology domain containing O1
Gabbr1	17.20	1.8	gamma-aminobutyric acid type A receptor subunit beta1
Npr1	17.11	49.5	natriuretic peptide receptor 1
Ccdc92	16.99	54.9	coiled-coil domain containing 92
Sptbn5	16.79	2.5	spectrin beta, non-erythrocytic 5
Mgat5	16.65	126.3	alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase
Kcnj12	16.43	15.0	potassium inwardly rectifying channel subfamily J member 12
Tmtc1	16.30	54.5	transmembrane O-mannosyltransferase targeting cadherins 1
Cdc14a	16.22	21.9	cell division cycle 14A
Gadd45a	16.22	125.0	growth arrest and DNA damage inducible alpha
Agpat4	16.14	12.1	1-acylglycerol-3-phosphate O-acyltransferase 4
Ablim3	15.81	56.8	actin binding LIM protein family member 3
Mcc	15.76	28.5	MCC regulator of WNT signaling pathway
Vim	15.69	149.2	vimentin
Stk26	15.47	6.4	serine/threonine kinase 26
Hoxc8	15.20	31.5	homeobox C8
Fyn	14.95	54.3	FYN proto-oncogene, Src family tyrosine kinase

St6gal1	14.75	49.7	ST6 beta-galactoside alpha-2,6-sialyltransferase 1
Tmod3	14.74	44.0	tropomodulin 3
Lgals2	14.44	4.5	galectin 2
LctI	14.24	3.8	lactase like
Optn	14.13	50.9	optineurin
Tspan15	14.04	19.8	tetraspanin 15
Il6ra	13.85	12.1	interleukin 6 receptor, alpha
Ust	13.84	7.4	uronyl 2-sulfotransferase
Tgfa	13.81	14.8	transforming growth factor alpha
Cavin1	13.74	260.8	caveolae associated 1
Foxs1	13.73	3.5	forkhead box S1
Tcf23	13.71	2.5	transcription factor 23
Extl1	13.71	9.9	exostosin like glycosyltransferase 1
Gm1673	13.59	3.0	predicted gene 1673
Daam2	13.57	52.4	dishevelled associated activator of morphogenesis 2
Mpp3	13.54	1.6	membrane palmitoylated protein 3
Arvcf	13.50	9.2	ARVCF delta catenin family member
Gas1	13.50	161.2	growth arrest specific 1
Iffo2	13.48	14.0	intermediate filament family orphan 2
Lrrfip1	13.29	88.2	LRR binding FLII interacting protein 1
Efnb1	13.29	115.1	ephrin B1
Zbtb8a	13.12	15.7	zinc finger and BTB domain containing 8A
Tmsb4x	13.05	573.5	thymosin, beta 4, X chromosome
Fam222a	13.03	37.1	family with sequence similarity 222 member A
Dcdc2a	12.92	24.1	doublecortin domain containing 2a
Itgb5	12.89	267.3	integrin subunit beta 5
Sparc	12.75	308.3	secreted protein acidic and cysteine rich
Sema6c	12.72	5.1	semaphorin 6C
Chrn1	12.54	12.4	cholinergic receptor nicotinic beta 1 subunit
6030419C18Rik	12.45	6.9	Insyn1; inhibitory synaptic factor 1
Tmem47	12.42	8.9	transmembrane protein 47
Ptpn14	12.32	65.4	protein tyrosine phosphatase non-receptor type 14
Hid1	11.93	5.8	HID1 domain containing
Map3k20	11.91	28.0	mitogen-activated protein kinase kinase kinase 20
Dctd	11.78	5.1	dCMP deaminase
Dpysl2	11.59	160.8	dihydropyrimidinase like 2
Msl3l2	11.52	4.4	MSL3 like 2
Itga3	11.47	99.8	integrin subunit alpha 3
Gadd45b	11.47	20.5	growth arrest and DNA damage inducible beta
Tmem108	11.35	5.1	transmembrane protein 108
Adamts4	11.34	2.6	ADAM metallopeptidase with thrombospondin type 1 motif 4
Mylk3	11.15	3.7	myosin light chain kinase 3
Pde4b	11.13	11.5	phosphodiesterase 4B
Adcy5	11.12	21.0	adenylate cyclase 5
Serpib6b	11.09	23.4	serine (or cysteine) peptidase inhibitor, clade B, member 6b
Dpp4	11.09	98.4	dipeptidyl peptidase 4
Pknox2	11.08	3.8	PBX/knotted 1 homeobox 2
Mgat4a	10.99	24.2	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
Arhgef17	10.97	126.7	Rho guanine nucleotide exchange factor 17
Top1mt	10.88	175.9	DNA topoisomerase I mitochondrial



Dach1	10.77	57.7	dachshund family transcription factor 1
Pdzd7	10.76	6.2	PDZ domain containing 7
Rusc2	10.71	54.0	RUN and SH3 domain containing 2
Fam129b	10.70	92.2	Niban2; niban apoptosis regulator 2
Dusp8	10.64	13.4	dual specificity phosphatase 8
Cep85l	10.63	13.7	centrosomal protein 85 like
Pag1	10.47	21.0	phosphoprotein membrane anchor with glycosphingolipid microdomains 1
Slc9a3r2	10.44	177.6	SLC9A3 regulator 2
Atp8b1	10.44	25.6	ATPase phospholipid transporting 8B1
Myo1e	10.41	86.7	myosin IE
Lif	10.32	1.8	LIF interleukin 6 family cytokine
Foxc1	10.28	50.6	forkhead box C1
Cd55	10.21	14.8	CD55 molecule (Cromer blood group)
Pak1	10.17	152.0	p21 (RAC1) activated kinase 1
Anxa2	10.13	69.7	annexin A2
Pcsk6	10.01	60.1	proprotein convertase subtilisin/kexin type 6
Cd59b	10.00	11.4	CD59b antigen
Sh3bgrl2	9.93	65.8	SH3 domain binding glutamate rich protein like 2
Mylk	9.92	191.4	myosin light chain kinase
Klhl29	9.90	6.3	kelch like family member 29
Rab30	9.87	2.4	RAB30, member RAS oncogene family
Fam212b	9.85	1.8	Inka2; inka box actin regulator 2
Plod2	9.79	38.8	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
P2ry6	9.76	11.1	pyrimidinergic receptor P2Y6
Nr4a2	9.75	2.2	nuclear receptor subfamily 4 group A member 2
Arl4d	9.72	113.7	ADP ribosylation factor like GTPase 4D
Snx31	9.67	34.1	sorting nexin 31
Stxbp1	9.64	26.1	syntaxin binding protein 1
Siva1	9.63	12.3	SIVA1 apoptosis inducing factor
Msrb3	9.60	33.8	methionine sulfoxide reductase B3
Elmo1	9.59	4.4	engulfment and cell motility 1
Arl4c	9.57	18.8	ADP ribosylation factor like GTPase 4C
Rspo1	9.53	1.8	R-spondin 1
Plekhg1	9.49	34.4	pleckstrin homology and RhoGEF domain containing G1
Uaca	9.36	144.3	uveal autoantigen with coiled-coil domains and ankyrin repeats
Ggt5	9.34	6.7	gamma-glutamyltransferase 5
Enpep	9.33	289.6	glutamyl aminopeptidase
Uprt	9.33	37.5	uracil phosphoribosyltransferase homolog
Fam114a1	9.20	22.2	family with sequence similarity 114 member A1
Plagl1	9.20	25.9	PLAG1 like zinc finger 1
Tubb2b	9.20	24.4	tubulin beta 2B class IIb
Gfod1	9.19	6.1	glucose-fructose oxidoreductase domain containing 1
Fgl2	9.18	10.6	fibrinogen like 2
Nsf	9.14	73.9	N-ethylmaleimide sensitive factor, vesicle fusing ATPase
Hspa12a	9.14	77.3	heat shock protein family A (Hsp70) member 12A
Setd7	9.11	40.6	SET domain containing 7, histone lysine methyltransferase
Anks1b	9.07	1.8	ankyrin repeat and sterile alpha motif domain containing 1B
Cd59a	8.94	112.4	CD59a antigen
Vgll3	8.91	4.6	vestigial like family member 3
Prkg1	8.87	6.3	protein kinase cGMP-dependent 1

Sh2d4a	8.81	51.0	SH2 domain containing 4A
Frmd6	8.77	9.5	FERM domain containing 6
Peli3	8.74	2.9	pellino E3 ubiquitin protein ligase family member 3
Dagla	8.71	15.4	diacylglycerol lipase alpha
Pde3a	8.69	11.7	phosphodiesterase 3A
Gsn	8.68	165.2	gelsolin
Lats2	8.67	35.2	large tumor suppressor kinase 2
Sspn	8.61	9.3	sarcospan
Aard	8.56	1.9	alanine and arginine rich domain containing protein
Fmnl2	8.53	42.4	formin like 2
Nbl1	8.45	23.3	NBL1, DAN family BMP antagonist
Arhgef18	8.44	103.0	Rho/Rac guanine nucleotide exchange factor 18
Nod1	8.44	26.5	nucleotide binding oligomerization domain containing 1
Slc36a4	8.40	12.8	solute carrier family 36 member 4
Abca9	8.36	15.5	ATP binding cassette subfamily A member 9
Dock5	8.33	62.8	dedicator of cytokinesis 5
Clic5	8.14	363.7	chloride intracellular channel 5
Zfp521	8.14	6.1	zinc finger protein 521
Asb15	8.13	12.3	ankyrin repeat and SOCS box containing 15
Eml2	8.12	47.9	EMAP like 2
Fos	8.11	7.5	Fos proto-oncogene, AP-1 transcription factor subunit
Metrnl	8.08	51.0	meteorin like, glial cell differentiation regulator
Pdlim2	8.02	27.9	PDZ and LIM domain 2
1700025G04Rik	8.00	7.1	C1orf21; chromosome 1 open reading frame 21
Pkdcc	7.94	27.6	protein kinase domain containing, cytoplasmic
Npnt	7.92	170.0	nephronectin
Lamb2	7.86	56.2	laminin subunit beta 2
Bcam	7.82	189.2	basal cell adhesion molecule (Lutheran blood group)
Hs3st3b1	7.81	15.1	heparan sulfate-glucosamine 3-sulfotransferase 3B1
Endou	7.80	6.9	endonuclease, poly(U) specific
Nde1	7.78	46.1	nudE neurodevelopment protein 1
Txlnb	7.71	1.7	taxilin beta
Timp2	7.61	93.0	TIMP metalloproteinase inhibitor 2
Hist2h3c2	7.61	5.8	H3c15; H3 clustered histone 15
Cdc42se2	7.60	58.1	CDC42 small effector 2
Ncf2	7.59	4.0	neutrophil cytosolic factor 2
Tns3	7.58	177.7	tensin 3
Septin6	7.57	6.1	septin 6
Mcub	7.57	2.1	mitochondrial calcium uniporter dominant negative beta subunit
Epn3	7.56	91.3	epsin 3
Wnt4	7.55	6.3	Wnt family member 4
Card10	7.54	184.4	caspase recruitment domain family member 10
Glcci1	7.52	3.7	glucocorticoid induced 1
Tjp1	7.45	125.3	tight junction protein 1
Nab2	7.45	56.3	NGFI-A binding protein 2
2010300C02Rik	7.43	2.9	Cracdl; capping protein inhibiting regulator of actin like
Reep2	7.40	2.6	receptor accessory protein 2
Mxra7	7.37	33.7	matrix-remodelling associated 7
Col4a6	7.33	2.0	collagen type IV alpha 6 chain
Pde10a	7.33	2.7	phosphodiesterase 10A

Ormdl3	7.30	42.6	ORMDL sphingolipid biosynthesis regulator 3
Shroom3	7.30	51.0	shroom family member 3
Golm1	7.29	8.8	golgi membrane protein 1
2010111I01Rik	7.26	11.8	Aopep; Aminopeptidase O (Putative)
Emp3	7.21	20.4	epithelial membrane protein 3
Iqgap2	7.21	106.9	IQ motif containing GTPase activating protein 2
Lym9	7.16	8.0	LYR motif containing 9
Tlr7	7.15	2.6	toll like receptor 7
Bhlhe41	7.14	13.1	basic helix-loop-helix family, member e41
Ptger4	7.14	5.5	prostaglandin E receptor 4
Sox5	7.14	3.0	SRY-box transcription factor 5
Septin11	7.10	136.5	septin 11
Slc31a2	7.10	36.1	solute carrier family 31 member 2
Inhbb	7.08	7.3	inhibin subunit beta B
Mycl	7.06	4.0	MYCL proto-oncogene, bHLH transcription factor
Sptb	7.04	5.3	spectrin beta, erythrocytic
Bambi	6.96	3.5	BMP and activin membrane bound inhibitor
Pitpnm3	6.96	6.1	PITPNM family member 3
Stx11	6.93	3.0	syntaxin 11
Mertk	6.93	125.2	MER proto-oncogene, tyrosine kinase
Tppp	6.90	8.9	tubulin polymerization promoting protein
Cdr2l	6.88	10.8	cerebellar degeneration related protein 2 like
Syt17	6.85	9.3	synaptotagmin 17
Ankrd1	6.84	7.7	ankyrin repeat domain 1
Scx	6.83	13.8	scleraxis bHLH transcription factor
Eif3m	6.80	64.7	eukaryotic translation initiation factor 3 subunit M
Arntl	6.79	1.7	aryl hydrocarbon receptor nuclear translocator like
Pmepa1	6.75	52.1	prostate transmembrane protein, androgen induced 1
Pbx2	6.73	85.4	PBX homeobox 2
Rnf150	6.71	4.6	ring finger protein 150
Arid5a	6.71	1.9	AT-rich interaction domain 5A
Lrtm2	6.64	4.8	leucine rich repeats and transmembrane domains 2
Dusp10	6.64	6.8	dual specificity phosphatase 10
9930012K11Rik	6.62	2.5	C8orf58; chromosome 8 open reading frame 58
St3gal6	6.62	15.2	ST3 beta-galactoside alpha-2,3-sialyltransferase 6
Tns2	6.60	307.5	tensin 2
Med12l	6.59	2.1	mediator complex subunit 12L
Gulp1	6.57	5.4	GULP PTB domain containing engulfment adaptor 1
Parva	6.57	117.9	parvin alpha
Tdrkh	6.57	2.4	tudor and KH domain containing
Gpx8	6.46	27.6	glutathione peroxidase 8 (putative)
Colec12	6.45	27.9	collectin subfamily member 12
Elf4	6.43	11.5	E74 like ETS transcription factor 4
Tmem159	6.42	19.5	transmembrane protein 159
Myo1d	6.41	94.7	myosin ID
Maml3	6.36	15.2	mastermind like transcriptional coactivator 3
Myof	6.35	29.2	myoferlin
Creb3l1	6.34	26.2	cAMP responsive element binding protein 3 like 1
Mrc2	6.30	25.4	mannose receptor C type 2
Vegfa	6.27	310.5	vascular endothelial growth factor A

Ak1	6.24	48.0	adenylate kinase 1
Dock11	6.23	2.5	dedicator of cytokinesis 11
Col4a3	6.19	222.8	collagen type IV alpha 3 chain
Col1a2	6.16	28.6	collagen type I alpha 2 chain
Reck	6.14	7.5	reversion inducing cysteine rich protein with kazal motifs
Lrrc20	6.13	5.2	leucine rich repeat containing 20
Ccdc167	6.13	2.5	coiled-coil domain containing 167
Arhgap24	6.09	203.3	Rho GTPase activating protein 24
Mob2	6.08	14.5	MOB kinase activator 2
Ldlrap1	6.07	24.4	low density lipoprotein receptor adaptor protein 1
Vopp1	6.06	4.6	VOPP1 WW domain binding protein
Lrch1	6.05	21.6	leucine rich repeats and calponin homology domain containing 1
Otud7b	6.04	73.1	OTU deubiquitinase 7B
Ston2	6.01	36.9	stonin 2
Fryl	5.99	45.3	FRY like transcription coactivator
Samd4	5.97	10.1	sterile alpha motif domain containing 4
Ildr2	5.96	118.6	immunoglobulin like domain containing receptor 2
Nxn	5.96	16.5	nucleoredoxin
Plxnb1	5.93	31.4	plexin B1
Lrrc10b	5.92	1.6	leucine rich repeat containing 10B
Ctnnal1	5.88	15.6	catenin alpha like 1
Myadm	5.87	4.3	myeloid associated differentiation marker
Disp1	5.85	6.9	dispatched RND transporter family member 1
Gpc1	5.84	27.6	glypican 1
Myl12a	5.82	140.3	myosin, light chain 12A, regulatory, non-sarcomeric
Gpx7	5.81	2.2	glutathione peroxidase 7
Samd12	5.80	11.0	sterile alpha motif domain containing 12
Sema5a	5.80	36.2	semaphorin 5A
Dtna	5.76	1.9	dystrobrevin alpha
Psd3	5.72	8.0	pleckstrin and Sec7 domain containing 3
Kank2	5.69	37.5	KN motif and ankyrin repeat domains 2
Pld1	5.66	7.7	phospholipase D1
Ccdc80	5.65	4.4	coiled-coil domain containing 80
Aif1l	5.62	216.2	allograft inflammatory factor 1 like
Dse	5.61	7.2	dermatan sulfate epimerase
Tspan13	5.61	18.9	tetraspanin 13
Sdc4	5.60	659.6	syndecan 4
Nfkbie	5.58	6.6	NFKB inhibitor epsilon
Steap3	5.56	5.9	STEAP3 metalloredutase
Tpm1	5.56	61.9	tropomyosin 1, alpha
Dusp15	5.54	4.9	dual specificity phosphatase 15
Osbpl5	5.53	68.2	oxysterol binding protein like 5
Gsdmd	5.49	8.3	gasdermin D
Lix1l	5.49	11.0	limb and CNS expressed 1 like
C1ra	5.40	20.5	C1r; complement C1r
Alcam	5.38	17.2	activated leukocyte cell adhesion molecule
Col18a1	5.38	176.0	collagen type XVIII alpha 1 chain
Ncam1	5.31	3.8	neural cell adhesion molecule 1
Dag1	5.31	147.8	dystroglycan 1
Plekha2	5.29	19.1	pleckstrin homology domain containing A2

Filip1	5.29	5.3	filamin A interacting protein 1
Arhgap44	5.29	15.2	Rho GTPase activating protein 44
Dusp3	5.29	130.1	dual specificity phosphatase 3
Gab2	5.26	39.3	GRB2 associated binding protein 2
Eml1	5.25	10.8	EMAP like 1
Nek1	5.24	11.7	NIMA related kinase 1
Fgfr1	5.22	26.5	fibroblast growth factor receptor 1
Axl	5.21	40.9	AXL receptor tyrosine kinase
Apba1	5.21	3.6	amyloid beta precursor protein binding family A member 1
Sipa1l2	5.17	15.3	signal induced proliferation associated 1 like 2
Atp8b2	5.16	7.8	ATPase phospholipid transporting 8B2
Il18	5.13	6.4	interleukin 18
Slco2a1	5.13	12.6	solute carrier organic anion transporter family member 2A1
Tnfrsf12a	5.09	29.5	TNF receptor superfamily member 12A
Ptk7	5.08	11.8	protein tyrosine kinase 7 (inactive)
Mdfic	5.07	11.0	MyoD family inhibitor domain containing
Atoh8	5.04	12.2	atonal bHLH transcription factor 8
Cerk	5.03	25.4	ceramide kinase
P3h1	5.01	11.0	prolyl 3-hydroxylase 1
Tmem98	5.01	11.9	transmembrane protein 98
Sirpa	4.99	62.3	signal regulatory protein alpha
Gsta4	4.99	70.7	glutathione S-transferase, alpha 4
Antxr2	4.97	5.5	ANTXR cell adhesion molecule 2
Elmo2	4.96	25.8	engulfment and cell motility 2
Casz1	4.94	19.4	castor zinc finger 1
Slc27a3	4.94	5.2	solute carrier family 27 member 3
Fosl2	4.94	28.0	FOS like 2, AP-1 transcription factor subunit
Cdon	4.93	5.4	cell adhesion associated, oncogene regulated
Ccdc73	4.92	2.8	coiled-coil domain containing 73
Nck2	4.91	39.6	NCK adaptor protein 2
Hist1h2bf	4.90	1.6	H2bc7; H2B clustered histone 7
Fndc3b	4.89	30.6	fibronectin type III domain containing 3B
Vamp2	4.87	95.6	vesicle associated membrane protein 2
Tmsb10	4.84	131.3	thymosin, beta 10
Ajuba	4.82	41.7	ajuba LIM protein
Rassf2	4.82	6.8	Ras association domain family member 2
Nbdy	4.81	5.9	negative regulator of P-body association
Bnip2	4.81	23.7	BCL2 interacting protein 2
Hoxc6	4.81	40.4	homeobox C6
Tspan17	4.80	9.1	tetraspanin 17
Rassf8	4.78	72.7	Ras association domain family member 8
Tnfaip2	4.77	25.3	TNF alpha induced protein 2
Armcx3	4.75	7.1	armadillo repeat containing X-linked 3
Man1a2	4.75	58.1	mannosidase alpha class 1A member 2
Epb41l5	4.73	41.6	erythrocyte membrane protein band 4.1 like 5
Trib2	4.72	109.1	tribbles pseudokinase 2
Fat1	4.72	73.9	FAT atypical cadherin 1
Amigo2	4.72	4.9	adhesion molecule with Ig like domain 2
Zfp462	4.71	20.4	zinc finger protein 462
Ifitm2	4.69	98.4	interferon induced transmembrane protein 2

Ppfibp2	4.69	7.5	PPFIA binding protein 2
E330009J07Rik	4.68	18.5	Dennd11; DENN domain containing 11
Wsb2	4.66	109.1	WD repeat and SOCS box containing 2
Dnase1l1	4.66	8.7	deoxyribonuclease 1 like 1
Rnasel	4.66	5.6	ribonuclease L
Gm9844	4.65	30.1	thymosin, beta 10 pseudogene
Calm2	4.64	352.4	calmodulin 2
Ago4	4.64	3.1	argonaute RISC component 4
F2r	4.63	61.6	coagulation factor II thrombin receptor
Hip1	4.61	10.2	huntingtin interacting protein 1
Hivep2	4.61	22.4	HIVEP zinc finger 2
Slc37a2	4.58	1.7	solute carrier family 37 member 2
Slc38a4	4.56	2.7	solute carrier family 38 member 4
Itpril2	4.56	31.4	ITPRIP like 2
Kctd11	4.56	12.1	potassium channel tetramerization domain containing 11
Mapt	4.54	161.7	microtubule associated protein tau
Epha2	4.51	10.4	EPH receptor A2
Svep1	4.49	8.4	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1
A530032D15Rik	4.47	3.6	C130026I21Rik; RIKEN cDNA C130026I21 gene
Rcsd1	4.46	8.9	RCSD domain containing 1
Lpin2	4.46	43.3	lipin 2
Btg2	4.46	27.2	BTG anti-proliferation factor 2
Unc5c	4.46	3.7	unc-5 netrin receptor C
Unc13b	4.44	3.4	unc-13 homolog B
Dock4	4.43	9.7	dedicator of cytokinesis 4
Arhgef16	4.39	66.1	Rho guanine nucleotide exchange factor 16
Megf8	4.39	38.0	multiple EGF like domains 8
Arhgap19	4.37	1.9	Rho GTPase activating protein 19
Aldh1a2	4.36	9.5	aldehyde dehydrogenase 1 family member A2
Hoxc4	4.34	6.5	homeobox C4
Emilin1	4.34	15.1	elastin microfibril interfacier 1
Arhgef10	4.34	7.8	Rho guanine nucleotide exchange factor 10
Lgalsl	4.31	18.8	galectin like
Alg14	4.30	6.8	ALG14 UDP-N-acetylglucosaminyltransferase subunit
Cadm4	4.30	59.2	cell adhesion molecule 4
Map4	4.29	45.0	microtubule associated protein 4
Cttnbp2	4.29	12.2	cortactin binding protein 2
Pde3b	4.29	8.0	phosphodiesterase 3B
Arhgef12	4.29	207.2	Rho guanine nucleotide exchange factor 12
Cables1	4.28	13.4	Cdk5 and Abl enzyme substrate 1
Scd2	4.26	63.3	stearoyl-Coenzyme A desaturase 2
Fam131a	4.25	3.5	family with sequence similarity 131 member A
Mast4	4.25	11.6	microtubule associated serine/threonine kinase family member 4
Nfe2l1	4.23	197.1	nuclear factor, erythroid 2 like 1
Ston1	4.23	44.8	stonin 1
Cyr61	4.22	32.2	Ccn1; cellular communication network factor 1
Atf3	4.22	3.3	activating transcription factor 3
5730409E04Rik	4.22	8.1	C1orf216; chromosome 1 open reading frame 216
Myl6	4.22	135.4	myosin light chain 6
Fa2h	4.21	14.7	fatty acid 2-hydroxylase

Wtip	4.18	18.7	WT1 interacting protein
Gm527	4.15	2.4	C14orf28; chromosome 14 open reading frame 28
Tead4	4.14	3.7	TEA domain transcription factor 4
Klc1	4.13	31.6	kinesin light chain 1
Fchsd2	4.13	7.0	FCH and double SH3 domains 2
Rab13	4.11	11.8	RAB13, member RAS oncogene family
4930523C07Rik	4.11	4.1	KIAA0040
Ucp2	4.10	58.6	uncoupling protein 2
Crim1	4.05	89.1	cysteine rich transmembrane BMP regulator 1
S100a11	4.05	354.7	S100 calcium binding protein A11
Mxra8	4.05	14.9	matrix remodeling associated 8
Efhd2	4.05	70.3	EF-hand domain family member D2
Abca5	4.02	6.1	ATP binding cassette subfamily A member 5
Map1b	4.02	6.9	microtubule associated protein 1B
Mllt6	4.00	115.8	MLLT6, PHD finger containing
Fgfr2	3.99	7.9	fibroblast growth factor receptor 2
Btg3	3.99	9.8	BTG anti-proliferation factor 3
Stat1	3.98	10.1	signal transducer and activator of transcription 1
Armcx1	3.98	4.6	armadillo repeat containing X-linked 1
Arfgef3	3.97	4.6	ARFGEF family member 3
Hivep1	3.96	47.5	HIVEP zinc finger 1
Scrn1	3.96	1.9	secernin 1
Myh9	3.96	123.1	myosin heavy chain 9
Smad6	3.95	20.0	SMAD family member 6
Col4a5	3.94	21.3	collagen type IV alpha 5 chain
Tmem229b	3.94	4.1	transmembrane protein 229B
Bcar3	3.94	22.6	BCAR3 adaptor protein, NSP family member
Mustn1	3.93	8.3	musculoskeletal, embryonic nuclear protein 1
Arrb1	3.92	36.6	arrestin beta 1
Qk	3.89	60.8	QKI, KH domain containing RNA binding
Uck2	3.88	25.3	uridine-cytidine kinase 2
Kank1	3.88	65.5	KN motif and ankyrin repeat domains 1
Hist1h2bg	3.88	3.5	H2bc8; H2B clustered histone 8
Mpp5	3.87	60.5	membrane palmitoylated protein 5
Colgalt2	3.87	8.3	collagen beta(1-O)galactosyltransferase 2
Zfp37	3.86	3.3	zinc finger protein 37
Jun	3.85	61.6	Jun proto-oncogene, AP-1 transcription factor subunit
Ptpn21	3.84	28.1	protein tyrosine phosphatase non-receptor type 21
Srf	3.83	46.0	serum response factor
H2-Q4	3.83	25.9	histocompatibility 2, Q region locus 4
Sec16b	3.82	2.1	SEC16 homolog B, endoplasmic reticulum export factor
Pamr1	3.82	2.5	peptidase domain containing associated with muscle regeneration 1
Ndn	3.82	1.8	neccdin, MAGE family member
Mprp	3.82	52.1	myosin phosphatase Rho interacting protein
Tmbim1	3.81	4.9	transmembrane BAX inhibitor motif containing 1
Abr	3.81	30.5	ABR activator of RhoGEF and GTPase
Plekha5	3.80	15.4	pleckstrin homology domain containing A5
Tenm3	3.80	2.2	teneurin transmembrane protein 3
Tuba1a	3.80	25.2	tubulin alpha 1a
Dtx4	3.79	16.1	deltex E3 ubiquitin ligase 4

Npas2	3.79	2.5	neuronal PAS domain protein 2
Nrep	3.77	5.4	neuronal regeneration related protein
Micu1	3.77	19.0	mitochondrial calcium uptake 1
Grk5	3.77	14.6	G protein-coupled receptor kinase 5
Zbtb42	3.76	7.6	zinc finger and BTB domain containing 42
Prkci	3.75	26.0	protein kinase C iota
Actn4	3.75	109.0	actinin alpha 4
Crtc1	3.75	10.9	CREB regulated transcription coactivator 1
Hdgfl3	3.72	3.1	HDGF like 3
St3gal3	3.71	72.3	ST3 beta-galactoside alpha-2,3-sialyltransferase 3
Spats2l	3.70	8.3	spermatogenesis associated serine rich 2 like
Amotl2	3.69	91.5	angiominin like 2
Inpp4a	3.69	7.5	inositol polyphosphate-4-phosphatase type I A
Plekhg2	3.69	13.0	pleckstrin homology and RhoGEF domain containing G2
Pnmal2	3.68	9.5	PNMA-like 2
Plekhh3	3.67	10.1	pleckstrin homology, MyTH4 and FERM domain containing H3
Chst14	3.67	3.2	carbohydrate sulfotransferase 14
Kctd15	3.65	7.4	potassium channel tetramerization domain containing 15
Ppp1r9b	3.65	72.8	protein phosphatase 1 regulatory subunit 9B
Atp1b2	3.64	13.6	ATPase Na <sup>+</sup> /K <sup>+</sup> transporting subunit beta 2
Sh3bp5l	3.62	24.1	SH3 binding domain protein 5 like
Pla2g7	3.60	7.0	phospholipase A2 group VII
Luzp1	3.60	46.8	leucine zipper protein 1
Zfp13	3.60	5.8	zinc finger protein 13
Tjap1	3.59	18.8	tight junction associated protein 1
Pard6b	3.56	93.0	par-6 family cell polarity regulator beta
Adamts15	3.56	1.5	ADAMTS like 5
Cry1	3.56	3.9	cryptochrome circadian regulator 1
Gpsm2	3.56	3.7	G protein signaling modulator 2
Mafk	3.55	30.3	MAF bZIP transcription factor K
Dlc1	3.55	15.2	DLC1 Rho GTPase activating protein
Zfp651	3.55	8.3	zinc finger protein 651
Large1	3.54	6.3	ARGE xylosyl- and glucuronyltransferase 1
Ahnak	3.53	72.7	AHNAK nucleoprotein
Adamts14	3.53	2.7	ADAMTS like 4
Aebp1	3.53	49.6	AE binding protein 1
Slc39a6	3.52	4.6	solute carrier family 39 member 6
Ehd4	3.52	50.6	EH domain containing 4
Kif5b	3.52	69.5	kinesin family member 5B
Pmp22	3.51	11.6	peripheral myelin protein 22
Arhgap33	3.51	2.9	Rho GTPase activating protein 33
Esyt1	3.50	6.2	extended synaptotagmin 1
Rarb	3.49	3.0	retinoic acid receptor beta
Kif3c	3.48	4.9	kinesin family member 3C
Sh3pxd2a	3.46	22.3	SH3 and PX domains 2A
Borcs6	3.45	14.4	BLOC-1 related complex subunit 6
Hoxc5	3.41	2.6	homeobox C5
Rab7b	3.40	1.9	RAB7B, member RAS oncogene family
Pqlc3	3.40	2.0	PQ loop repeat containing
Ankrd40	3.39	82.8	ankyrin repeat domain 40



Gm10509	3.39	1.9	predicted gene 10509
Synj2	3.39	3.3	synaptojanin 2
Parp4	3.38	23.8	poly(ADP-ribose) polymerase family member 4
Igf2bp1	3.38	3.1	insulin like growth factor 2 mRNA binding protein 1
Rragb	3.37	1.9	Ras related GTP binding B
Palld	3.37	70.8	palladin, cytoskeletal associated protein
Kremen1	3.37	21.1	kringle containing transmembrane protein 1
Vasn	3.36	24.3	vasorin
Abca2	3.36	51.2	ATP binding cassette subfamily A member 2
P3h2	3.35	93.3	prolyl 3-hydroxylase 2
Htra1	3.35	105.8	HtrA serine peptidase 1
Tssc4	3.34	20.0	tumor suppressing subtransferable candidate 4
Emp2	3.34	8.1	epithelial membrane protein 2
Tubb2a	3.33	33.6	tubulin beta 2A class IIa
Relb	3.33	5.0	RELB proto-oncogene, NF-kB subunit
Rras	3.33	36.3	RAS related
Zbtb46	3.31	5.4	zinc finger and BTB domain containing 46
Igfbp2	3.31	2.1	insulin like growth factor binding protein 2
Slc44a2	3.30	11.8	solute carrier family 44 member 2
Mlkl	3.30	2.9	mixed lineage kinase domain like pseudokinase
Rhbdf2	3.30	7.9	rhomboid 5 homolog 2
Mtch1	3.30	162.7	mitochondrial carrier 1
Ephx1	3.29	47.8	epoxide hydrolase 1
Aagab	3.29	19.2	alpha and gamma adaptin binding protein
Dbn2	3.29	1.8	dysbindin domain containing 2
Faim	3.27	3.0	Fas apoptotic inhibitory molecule
Natd1	3.26	26.7	N-acetyltransferase domain containing 1
AI597479	3.26	9.3	C2orf49; chromosome 2 open reading frame 49
Cnp	3.25	5.7	2',3'-cyclic nucleotide 3' phosphodiesterase
Rras2	3.25	21.7	RAS related 2
Actn1	3.24	13.0	actinin alpha 1
Cryab	3.23	161.6	crystallin alpha B
Nkd1	3.22	3.2	NKD inhibitor of WNT signaling pathway 1
Prmt2	3.22	7.6	protein arginine methyltransferase 2
Utrn	3.22	23.9	utrophin
Arf6	3.21	186.2	ADP ribosylation factor 6
Fkbp7	3.20	4.8	FKBP prolyl isomerase 7
Il34	3.19	11.9	interleukin 34
Tgfbr3	3.19	35.3	transforming growth factor beta receptor 3
Itgb1	3.19	137.1	integrin subunit beta 1
Iqgap1	3.19	15.1	IQ motif containing GTPase activating protein 1
Zdhhc14	3.17	5.7	zinc finger DHHC-type palmitoyltransferase 14
Gm14403	3.17	3.2	predicted gene 14403
Cd2ap	3.16	104.6	CD2 associated protein
Bmpr1a	3.15	33.6	bone morphogenetic protein receptor type 1A
Ptgds	3.15	4.2	prostaglandin D2 synthase
Ensa	3.14	23.7	endosulfine alpha
Septin10	3.13	9.3	septin 10
Srgap2	3.13	12.2	SLIT-ROBO Rho GTPase activating protein 2
Serpib6a	3.12	6.5	serine (or cysteine) peptidase inhibitor, clade B, member 6a

Ptpn12	3.12	25.2	protein tyrosine phosphatase non-receptor type 12
Ifngr1	3.12	19.4	interferon gamma receptor 1
Rbfox2	3.12	13.0	RNA binding fox-1 homolog 2
Sash1	3.11	48.9	SAM and SH3 domain containing 1
Cd151	3.11	58.9	CD151 molecule (Raph blood group)
Rab6b	3.11	22.9	RAB6B, member RAS oncogene family
Irgm2	3.11	33.1	immunity-related GTPase family M member 2
Cbfa2t3	3.11	11.7	CBFA2/RUNX1 partner transcriptional co-repressor 3
Specc1l	3.10	16.1	sperm antigen with calponin homology and coiled-coil domains 1 like
Vamp4	3.10	8.2	vesicle associated membrane protein 4
Cbarp	3.10	3.2	calcium channel, voltage-dependent, beta subunit associated regulatory protein
Slain2	3.10	39.7	SLAIN motif family member 2
Dennd5a	3.10	40.8	DENN domain containing 5A
Tmem164	3.08	19.1	transmembrane protein 164
S100a13	3.08	24.2	S100 calcium binding protein A13
Dcbld2	3.08	5.8	discoidin, CUB and LCCL domain containing 2
Smim13	3.08	9.2	small integral membrane protein 13
Nab1	3.07	42.4	NGFI-A binding protein 1
Fam81a	3.07	30.0	family with sequence similarity 81 member A
Parp12	3.07	12.1	poly(ADP-ribose) polymerase family member 12
Syne1	3.07	10.8	spectrin repeat containing nuclear envelope protein 1
Agap1	3.06	58.9	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1
Gnao1	3.06	2.3	G protein subunit alpha o1
Pea15a	3.05	40.0	phosphoprotein enriched in astrocytes 15A
Socs2	3.05	2.6	suppressor of cytokine signaling 2
Lzts2	3.05	53.8	leucine zipper tumor suppressor 2
Zc4h2	3.04	3.7	zinc finger C4H2-type containing
Sh3bp4	3.03	21.6	SH3 domain binding protein 4
Nars2	3.03	3.6	asparaginyl-tRNA synthetase 2, mitochondrial
Zfp772	3.03	2.1	zinc finger protein 772
Megf9	3.02	8.2	multiple EGF like domains 9
Nedd9	3.01	28.5	neural precursor cell expressed, developmentally down-regulated 9
Rit1	3.01	17.8	Ras like without CAAX 1
Dok1	3.01	3.9	docking protein 1
Zfp667	3.01	1.5	zinc finger protein 667
Smo	3.00	49.5	smoothened, frizzled class receptor