

Transcriptome profile analysis of optic nerves from wildtype (WT) and *Olig1KO* mice (> 2 fold changes)

gene	Accession	Olig1KO	WT	fold change(WT/Olig1KO)
Mbp: myelin basic protein	BE994609	2.68	6153.64	2298.67
Plp1: proteolipid protein (myelin) 1	BB768495	14.97	4399.06	293.83
Gpr149: G protein-coupled receptor 149	BB126999	1.71	501.31	293.25
Mbp: myelin basic protein	BB761376	25.29	7321.1	289.46
Mbp: myelin basic protein	AI323506	39.65	10159.34	256.21
Gpr17: G protein-coupled receptor 17	BB353220	20.31	4721.11	232.41
Mbp: myelin basic protein	AV328388	44.51	9768.37	219.47
Mbp: myelin basic protein	LQ7509	25.2	5190.87	205.98
Sox10: SRY-box containing gene 10	BC018551	1	165.71	165.71
9630013A20Rik: RIKEN cDNA 9630013A20 gene	BB126284	6.16	870.16	141.3
AI314604: expressed sequence AI314604	BE991175	19.67	2717.82	138.14
Tmem163: transmembrane protein 163	AK011522	9.48	1144.8	120.79
Plp1: proteolipid protein (myelin) 1	BB768495	78.11	9057.42	115.95
Gm98: gene model 98, (NCBI)	BB193557	13.41	1486.17	110.82
Mbp: myelin basic protein	NM_010777	54.82	5597.08	102.11
Mag: myelin-associated glycoprotein	NM_010758	10.53	1063.54	100.97
9630013A20Rik: RIKEN cDNA 9630013A20 gene	BB247407	11.38	1140.44	100.23
Mobp: myelin-associated oligodendrocytic basic protein	NM_008614	2.92	256.53	87.93
B830045N13Rik: RIKEN cDNA B830045N13 gene	BM942851	6.9	573.72	83.18
9630013A20Rik: RIKEN cDNA 9630013A20 gene	BB457226	10.79	847.5	78.53
Pdgfra: platelet derived growth factor receptor, alpha polypeptide	AW537708	40.72	3089.74	75.88
Mobp: myelin-associated oligodendrocytic basic protein	BM899593	3.66	277.5	75.8
Cnga2: cyclic nucleotide gated channel alpha 2	NM_007724	4.3	295.88	68.86
Efemp1: epidermal growth factor-containing fibulin-like extracellular matrix protein 1	BC023060	9.64	646.35	67.02
Prkq: protein kinase C, theta	AB062122	25.13	1442.04	57.39
Lims2: LIM and senescent cell antigen like domains 2	BC010816	35.69	2043.48	57.26
Gpr149: G protein-coupled receptor 149	BB075339	12.11	679.1	56.06
Rin2: Ras and Rab interactor 2	AK014548	14.68	772.14	52.58
Sox10: SRY-box containing gene 10	BC018551	33.37	1723.34	51.64
Cldn11: claudin 11	NM_008770	64.82	3316.82	51.17
Ugt8a: UDP galactosyltransferase 8A	NM_011674	81.76	4161.16	50.89
Sic1a1: solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),	AF087578	17.75	849.99	47.89
2900052N01Rik: RIKEN cDNA 2900052N01 gene	AU067665	27.81	1283.8	46.17
Hspb8: heat shock protein 8	AF250139	28.47	1106.06	38.84
Tmeff2: transmembrane protein with EGF-like and two follistatin-like domains 2	AV246773	37.63	1430.35	38.01
Ugt8a: UDP galactosyltransferase 8A	NM_011674	47.99	1733.46	36.12
Bmp4: bone morphogenetic protein 4	NM_007554	33.67	1191.53	35.39
Sic1a1: solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),	U75214	53.9	1885.24	34.98
Sic1a1: solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),	NM_009199	69.42	2359.53	33.99
Sned1: sushi, nidogen and EGF-like domains 1	BB487754	6.31	210.83	33.44
Bcas1: breast carcinoma amplified sequence 1	AK008957	231.08	7491.66	32.42
Agt: angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	AK018763	58.97	1859.14	31.53
S100b: S100 protein, beta polypeptide, neural	BB316114	50.3	1563.17	31.08
Pcdh15: protocadherin 15	BE984978	7.32	226.69	30.98
Lhfp13: Lipoma HMGIC fusion partner-like 3	BB309408	48.1	1458.31	30.32
Hif1a: Hypoxia inducible factor 1, alpha subunit	BB409314	8.59	256.33	29.84
Fa2h: fatty acid 2-hydroxylase	BM118638	34.88	1021.46	29.29
Enpp2: ectonucleotide pyrophosphatase/phosphodiesterase 2	BC003264	90.71	2651.8	29.23
Dnm3: dynamin 3	BB709245	34.07	970.51	28.49
15 days embryo head cDNA, RIKEN full-length enriched library, clone:D930025C07 product:unclassified	BB284627	38.46	1055.98	27.45
Pcdh15: protocadherin 15	BB078305	35.47	947.95	26.72
Adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430531K17 product:unclassified	BF456098	113.68	3003.88	26.42
S100b: S100 protein, beta polypeptide, neural	NM_009115	46.89	1233.69	26.31
Sema3d: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3I	BB499147	24	626.06	26.09
Transcribed locus	BB629079	5.44	139.7	25.7
Ran: RAN, member RAS oncogene family	BB802543	6.44	164.8	25.59
Lhfp13: lipoma HMGIC fusion partner-like 3	BQ175687	96.88	2477.28	25.57
Srpk3: serine/arginine-rich protein specific kinase 3	BB036235	25.51	649.2	25.45
Adult male hippocampus cDNA, RIKEN full-length enriched library, clone:C630020O05 product:unclassified	BB428710	9.59	240.22	25.04
Transcribed locus	BE692021	119.61	2986.34	24.97
Mm.220264.1	BB371911	10.65	265.85	24.97
Pdgfra: platelet derived growth factor receptor, alpha polypeptide	AW537708	35.05	840.28	23.97
Elovl7: ELOVL family member 7, elongation of long chain fatty acids (yeast)	BC005602	23.16	553.09	23.88
LOC552873: hypothetical LOC552873	BG075804	16.44	379.54	23.08
Lgi3: leucine-rich repeat LGI family, member 3	BB187947	39.61	911.09	23
Lhfp13: lipoma HMGIC fusion partner-like 3	BB274911	51.99	1187.75	22.84
Elovl7: ELOVL family member 7, elongation of long chain fatty acids (yeast)	BC005602	30.95	698.43	22.57
Ddo: D-aspartate oxidase	BB021589	7.09	158.63	22.36
Hspb8: heat shock protein 8	BB764222	67.06	1498.14	22.34
Postn: periostin, osteoblast specific factor	BI110565	9.64	214.25	22.24
Parvb: parvin, beta	BI134721	52.48	1130.32	21.54
Hspb8: heat shock protein 8	AF250139	37.22	795.63	21.38
15 days embryo head cDNA, RIKEN full-length enriched library, clone:D930025C07 product:unclassified	BB183456	37.62	802.66	21.33
Ddc: dopa decarboxylase	AF071068	44.34	930.87	20.99
Nfasc: Neurofascin	BB387126	43.21	907.15	20.99
Enpp2: ectonucleotide pyrophosphatase/phosphodiesterase 2	BC003264	78.14	1636.65	20.95
Gal3st1: galactose-3-O-sulfotransferase 1	AK002510	48.76	1021.26	20.94
Elovl7: ELOVL family member 7, elongation of long chain fatty acids (yeast)	BB149977	20.36	416.31	20.45
Kcnd2: Potassium voltage-gated channel, Shal-related family, member 2	BB472451	83.14	1687.88	20.3
Ppp1r16b: protein phosphatase 1, regulatory (inhibitor) subunit 16B	BB375209	101.66	2024.33	19.91
Smap1: stromal membrane-associated protein 1	AK014888	10.62	209.77	19.74
Sgcg: sarcoglycan, gamma (dystrophin-associated glycoprotein)	BB519683	5.99	111.42	18.61
Cyfp2: cytoplasmic FMR1 interacting protein 2	NM_133769	66.03	1228.21	18.6
9630027E11: hypothetical protein 9630027E11	BM899529	84.1	1561.89	18.57
C030036D22Rik: RIKEN cDNA C030036D22 gene	BB264612	48.14	891.3	18.51
Igsf4d: immunoglobulin superfamily, member 4	BB333386	50.81	938.55	18.47

Transcribed locus	BQ175164	22.08	396.56	17.96
Omg: oligodendrocyte myelin glycoprotein	NM_019409	69.98	1249.61	17.86
Zfp185: zinc finger protein 185	AK014497	9.14	162.6	17.79
Cyp4f15: cytochrome P450, family 4, subfamily f, polypeptide 15	NM_134127	8.63	150.51	17.43
Ptpre: protein tyrosine phosphatase, receptor type, E	U35368	112.09	1950.21	17.4
Slc8a3: solute carrier family 8 (sodium/calcium exchanger), member 3	AV361504	21.49	363.51	16.91
5730559C18Rik: RIKEN cDNA 5730559C18 gene	BF580053	84.59	1417.48	16.76
LOC675405: similar to voltage gated channel like 1	BE861826	37.97	622	16.38
3110080E11Rik: RIKEN cDNA 3110080E11 gene	BB367686	31.05	506.28	16.31
10 days neonate cortex cDNA, RIKEN full-length enriched library, clone:A830044L07 product:unclass	AW121365	27.35	444.73	16.26
Kcnd2: potassium voltage-gated channel, Shal-related family, member 2	BB051684	69.16	1107.59	16.01
Aqp4: aquaporin 4	AW489155	191.62	3068.12	16.01
Epb4.1I2: erythrocyte protein band 4.1-like 2	AJ245854	19.57	309.04	15.8
Kcnd2: Potassium voltage-gated channel, Shal-related family, member 2	AW557538	82.21	1293.59	15.74
Mm.207738.1	AV341003	26.04	408.68	15.7
Csmd1: CUB and Sushi multiple domains 1	BB179947	22.1	344.28	15.58
Dsnd2: dysbindin (dystrobrevin binding protein 1) domain containing 2	BE949296	22.47	348.73	15.52
Transcribed locus	AU042527	16.82	255.23	15.18
Plxn3: plexin B3	NM_019587	59.68	904.29	15.15
Kcnd2: potassium voltage-gated channel, Shal-related family, member 2	BB051684	62.23	942.68	15.15
6330510M09Rik: RIKEN cDNA 6330510M09 gene	AK018211	20.02	301.16	15.04
Kcnd2: potassium voltage-gated channel, Shal-related family, member 2	BB051684	161.82	2427.35	15
2900052N01Rik: RIKEN cDNA 2900052N01 gene	BB426699	28.44	421.23	14.81
Nfe2l3: nuclear factor, erythroid derived 2, like 3	NM_010903	20.18	298.05	14.77
Cbln2: cerebellin 2 precursor protein	BQ175551	31.34	458.59	14.63
C920006O11Rik: RIKEN cDNA C920006O11 gene	BB552195	17.92	262.06	14.63
Elov17: ELOVL family member 7, elongation of long chain fatty acids (yeast)	BB338945	68.26	997.73	14.62
Grin3a: glutamate receptor ionotropic, NMDA3A	BQ174802	43.46	634.86	14.61
Plp1: proteolipid protein (myelin) 1	BB768495	231.14	3373.28	14.59
4833424O15Rik: RIKEN cDNA 4833424O15 gene	AV334098	20.82	297.81	14.31
IgSF4d: immunoglobulin superfamily, member 4	BB333386	185.1	2635.27	14.24
9030409G11Rik: RIKEN cDNA 9030409G11 gene	AV345336	13.77	195.12	14.17
Abhd3: abhydrolase domain containing 3	NM_134130	130.56	1834.73	14.05
Plxn3: plexin B3	A1451018	150.91	2114.72	14.01
Adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230366E07 produ	BE955519	11.96	163.86	13.7
A230069A22Rik: RIKEN cDNA A230069A22 gene	AV327597	47.66	650.17	13.64
Plcg2: phospholipase C, gamma 2	AW546508	38.81	529.05	13.63
Aqp4: aquaporin 4	U48399	409.8	5583.05	13.62
Cmtm5: CKLF-like MARVEL transmembrane domain containing 5	AK013666	86.62	1165.66	13.46
Bmp6: bone morphogenetic protein 6	NM_007556	17.35	231.76	13.36
Abca8a: ATP-binding cassette, sub-family A (ABC1), member 8a	BC026496	24.69	325.83	13.2
Dsnd2: Dysbindin (dystrobrevin binding protein 1) domain containing 2	AU067707	57.87	758.22	13.1
Mpa2l /// LOC626578 /// LOC673101: macrophage activation 2 like /// similar to macrophage activa	BM241485	17.26	224.63	13.01
Kctd4: potassium channel tetramerisation domain containing 4	A1843843	34.39	441.87	12.85
IgSF4d: Immunoglobulin superfamily, member 4	BB312687	16.29	209.14	12.84
Tmem45a: transmembrane protein 45a	NM_019631	9.27	118	12.73
Galnt13: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13	BE995677	12.53	158.59	12.66
Pcdhb9: protocadherin beta 9	NM_053134	28.02	352.05	12.56
Phca: phytoceramidase, alkaline	BB329313	33.98	419.89	12.36
Dll3: delta-like 3 (Drosophila)	AB013440	162.9	1994.35	12.24
Dscam: Down syndrome cell adhesion molecule	NM_031174	59.97	730.87	12.19
Lsamp: limbic system-associated membrane protein	BB319385	77.8	930.83	11.96
B930018B01: hypothetical protein B930018B01	BB339393	11.24	133.93	11.92
9630021D06Rik: RIKEN cDNA 9630021D06 gene	BB127374	12.56	148.81	11.85
Tmeff2: transmembrane protein with EGF-like and two follistatin-like domains 2	NM_019790	262.57	3105.37	11.83
IgSF4d: immunoglobulin superfamily, member 4	BB333386	108.09	1276.4	11.81
Dcc: Deleted in colorectal carcinoma	BE824778	125.33	1466.74	11.7
ErbB4: V-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	BB386653	30.57	355.71	11.63
10 days neonate cortex cDNA, RIKEN full-length enriched library, clone:A830014C22 product:unclass	BQ175183	25.67	298.66	11.63
IgSF4d: immunoglobulin superfamily, member 4	BB543585	105.78	1219.73	11.53
Skiv2l2: superkiller viralicidic activity 2-like 2 (S. cerevisiae)	BM208991	15.61	179.3	11.49
Fxyd1: FXD domain-containing ion transport regulator 1	NM_019503	72.19	828.49	11.48
Adult male spinal cord cDNA, RIKEN full-length enriched library, clone:A330040D20 product:unclassi	AW123117	50.52	574.83	11.38
Dnm3: dynamin 3	BB212531	33.13	376.1	11.35
Dnm3: dynamin 3	BB130476	55.85	624.65	11.19
Ptpre: protein tyrosine phosphatase, receptor type, E	U35368	89.04	995.33	11.18
A330076H08Rik: RIKEN cDNA A330076H08 gene	BB378962	81.91	908.97	11.1
4632411J06Rik: RIKEN cDNA 4632411J06 gene	BB003906	17.32	191.81	11.08
Gpr37l1: G protein-coupled receptor 37-like 1	AB016602	47.1	517.88	11
D930002L09Rik: RIKEN cDNA D930002L09 gene	BB560393	42.26	459.33	10.87
Ext1: Exostosins (multiple) 1	BM231698	20.5	219.6	10.71
Pcdhb10: protocadherin beta 10	NM_053135	20.79	221.59	10.66
Dmrt1: doublesex and mab-3 related transcription factor like family A1	BB461344	20.48	218.28	10.66
Oplah: 5-oxoprolinase (ATP-hydrolysing)	BC025120	24.85	264.4	10.64
Pde4b: Phosphodiesterase 4B, cAMP specific	BE950979	18.54	196.6	10.6
6330532G10Rik: RIKEN cDNA 6330532G10 gene	BB311937	10.51	111.35	10.6
Ntrk2: neurotrophic tyrosine kinase, receptor, type 2	AK018789	38.27	404.39	10.57
Capn5: calpain 5	BC014767	48.08	506.88	10.54
Ncam2: neural cell adhesion molecule 2	AF001287	48.01	502.96	10.48
2900078E11Rik: RIKEN cDNA 2900078E11 gene	BQ174746	206.41	2162.51	10.48
Transcribed locus	BE650754	64.28	671.16	10.44
Matn4: matrilin 4	NM_013592	44.98	468.48	10.42
Galc: galactosylceramidase	AK010101	51.74	529.68	10.24
Grin3a: glutamate receptor ionotropic, NMDA3A	BB305883	61.12	625.69	10.24
Fgf1: fibroblast growth factor 1	A1649186	49.82	508.95	10.22
LOC675405: similar to voltage gated channel like 1	A1849508	67.78	689.49	10.17
6430550H21Rik: RIKEN cDNA 6430550H21 gene	AV280875	13.63	138.52	10.16
Phkg1: phosphorylase kinase gamma 1	J03293	11.86	120.12	10.13
Fkbp3: FK506 binding protein 3	BG068268	23.22	234.26	10.09

B230215L15Rik: RIKEN cDNA B230215L15 gene	BB307661	141.3	1417.72	10.03
Mm.208359.1	BB257461	38.26	381.81	9.98
Cntn1: contactin 1	AK004399	344.4	3434.41	9.97
Car5b: carbonic anhydrase 5b, mitochondrial	BE132973	19.65	195.63	9.96
1810015C04Rik: RIKEN cDNA 1810015C04 gene	BC019494	93.47	923.38	9.88
Pramel3 /// AV320801 /// EG666040: preferentially expressed antigen in melanoma-like 3 /// expr:	NM_031390	15.06	147.38	9.78
Mbp: myelin basic protein	BB181247	55.16	537.49	9.74
Tmem166: transmembrane protein 166	BC027150	28.09	273.02	9.72
Pacrg: Park2 co-regulated	AK005771	190.41	1850.17	9.72
Dusp15: dual specificity phosphatase-like 15	AF357887	31.92	310.05	9.71
9630031F12Rik: RIKEN cDNA 9630031F12 gene	BB128528	12.79	123.78	9.67
Cyp2j6: cytochrome P450, family 2, subfamily j, polypeptide 6	AV373767	82.35	795.25	9.66
Tcp11l2: t-complex 11 (mouse) like 2	BM245221	151.97	1468.2	9.66
Tmem100: transmembrane protein 100	NM_026433	68.53	661.29	9.65
Aqp4: aquaporin 4	BB193413	683.88	6558.55	9.59
A930017N06Rik: RIKEN cDNA A930017N06 gene	BB279531	22.63	216.43	9.56
Adamt5: a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 moti	BB658835	12.75	121.65	9.54
Phactr3: phosphatase and actin regulator 3	AV339670	73.1	694.83	9.51
Padi2 /// LOC638935: peptidyl arginine deiminase, type II /// similar to peptidyl arginine deiminase,	NM_008812	117.49	1111.61	9.46
Cntnap2: contactin associated protein-like 2	AU079588	151.61	1428.32	9.42
Epb4.1l3: erythrocyte protein band 4.1-like 3	AF177146	20.6	191.63	9.3
Cntn1: contactin 1	NM_007727	489.18	4550.05	9.3
Cdh11: Cadherin 11	AV300631	39.57	368.01	9.3
6330436F06Rik: RIKEN cDNA 6330436F06 gene	AK018204	77.44	714.65	9.23
2310068J10Rik: RIKEN cDNA 2310068J10 gene	AV092324	44.2	407.74	9.22
Csmd1: CUB and Sushi multiple domains 1	BB087975	48.59	446.77	9.19
Sh3bp4: SH3-domain binding protein 4	NM_133816	141.63	1300.72	9.18
Transcribed locus	BM942899	45.07	413.57	9.18
Enpp6: ectonucleotide pyrophosphatase/phosphodiesterase 6	BB129371	65.41	597.33	9.13
Ncam2: neural cell adhesion molecule 2	AF001286	49.78	453.03	9.1
4933439C20Rik: RIKEN cDNA 4933439C20 gene	AK007420	30.43	275.73	9.06
Prdx6: peroxiredoxin 6	AW319648	44.2	400.1	9.05
Slc39a12: solute carrier family 39 (zinc transporter), member 12	AW046938	53.13	480.47	9.04
Ephx2: epoxide hydrolase 2, cytoplasmic	NM_007940	42.37	382.59	9.03
4833424O15Rik: RIKEN cDNA 4833424O15 gene	BB264078	48.84	440.97	9.03
Lrrc4: leucine rich repeat containing 4	NM_138682	166.41	1500.49	9.02
Abca1: ATP-binding cassette, sub-family A (ABC1), member 1	BB144704	179.67	1616.36	9
Trip11: Thyroid hormone receptor interactor 11	BB306866	18.42	165.23	8.97
Slc24a3: solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	BC017615	167.55	1497.76	8.94
Tubb4: tubulin, beta 4	AK013717	360.52	3183.94	8.83
Abca1: ATP-binding cassette, sub-family A (ABC1), member 1	BB144704	100.61	881.15	8.76
Zdhhc14: zinc finger, DHHC domain containing 14	AV223474	143.97	1257.11	8.73
Ttyh1: tweety homolog 1 (Drosophila)	NM_021324	19.81	170.65	8.61
Mm.33784.1	AI854107	107.92	925.74	8.58
2900078E11Rik: RIKEN cDNA 2900078E11 gene	AK013801	173.91	1489.83	8.57
Mgll: monoglyceride lipase	NM_011844	261.51	2236.32	8.55
Mgll: monoglyceride lipase	BI411560	244.39	2079.57	8.51
Col9a1: procollagen, type IX, alpha 1	AK004383	124.92	1061.6	8.5
3110035E14Rik: RIKEN cDNA 3110035E14 gene	BB348639	528.37	4482.21	8.48
Rasgef1b: RasGEF domain family, member 1B	BB003229	130.88	1105.24	8.44
D330040H18Rik: RIKEN cDNA D330040H18 gene	BB532898	17.68	148.94	8.43
Dscaml1: Down syndrome cell adhesion molecule-like 1	BB239540	179.15	1507.59	8.42
Tmem40: transmembrane protein 40	BC019416	16.74	140.56	8.4
Slc30a10: solute carrier family 30, member 10	BB736474	36.2	302.81	8.37
Unc5c: unc-5 homolog C (C. elegans)	NM_009472	28.04	233.53	8.33
Zdhhc14: zinc finger, DHHC domain containing 14	BB318221	175.71	1457.01	8.29
Sirt2: sirtuin 2 (silent mating type information regulation 2, homolog) 2 (S. cerevisiae)	BB807595	689.07	5708.44	8.28
Niban: niban protein	AW554191	48.23	399	8.27
Gbp2: guanylate nucleotide binding protein 2	NM_010260	42.26	349.16	8.26
Gmp2: epithelial membrane protein 2	AF083876	128.12	1056.48	8.25
Phyh1 /// Lrrc8a: phytyl-CoA dioxygenase domain containing 1 /// leucine rich repeat containin	AK005293	86.59	712.42	8.23
Sez6l: seizure related 6 homolog like	AF220355	80.85	664.51	8.22
A830091E24: hypothetical A830091E24	BB275118	22.86	187.73	8.21
Chi3l1: chitinase 3-like 1	BC005611	20.71	168.29	8.12
Zdhhc14: zinc finger, DHHC domain containing 14	AV361868	151.95	1230.72	8.1
Ar14a: ADP-ribosylation factor-like 4A	AV328143	312.27	2508.64	8.03
Transcribed locus	BB083283	27.58	221.63	8.03
D630040I23Rik: RIKEN cDNA D630040I23 gene	BQ173985	25.9	207.35	8.01
Nebi: nebulin	BC025863	49.36	395.11	8
Mgll: monoglyceride lipase	AK006949	122.72	980.93	7.99
Tox: thymocyte selection-associated HMG box gene	BF020502	78.13	623.12	7.98
Transcribed locus	BB357557	267.16	2130.42	7.97
2610035D17Rik: RIKEN cDNA 2610035D17 gene	AW494074	37.28	296.77	7.96
Mm.23156.2	BG064671	49.67	394.89	7.95
1200015N20Rik: RIKEN cDNA 1200015N20 gene	BB709285	75.67	601.97	7.95
Rgnef: Rho-guanine nucleotide exchange factor	BG069493	18.56	145.52	7.84
Mm.41361.1	AW490636	37.16	290.49	7.82
E130309F12Rik: RIKEN cDNA E130309F12 gene	BB546288	35.88	280.34	7.81
E130309F12Rik: RIKEN cDNA E130309F12 gene	BB523550	281.36	2177.72	7.74
Sh3gl3: SH3-domain GRB2-like 3	AK012114	397.05	3068.85	7.73
9530059O14Rik: RIKEN cDNA 9530059O14 gene	AW494454	35.36	273.32	7.73
C230093N12Rik: RIKEN cDNA C230093N12 gene	BC023470	34.16	263.45	7.71
D930023J12Rik: RIKEN cDNA D930023J12 gene	BQ175029	291.76	2249.13	7.71
C4b /// LOC675521: complement component 4B (Childo blood group) /// similar to Complement C4	NM_009780	110.89	853.57	7.7
9530059O14Rik: RIKEN cDNA 9530059O14 gene	BB371633	47.13	362.76	7.7
Gsn: gelsolin	NM_010354	221.48	1697.9	7.67
Dnm3: dynamin 3	BE988832	136.41	1045.39	7.66
Lum: lumican	AK014312	21.71	164.64	7.59
Luzp2: leucine zipper protein 2	BB386209	86.93	659.67	7.59

Epb4.1l2: erythrocyte protein band 4.1-like 2	BB254042	163.21	1238.28	7.59
Papss2: 3'-phosphoadenosine 5'-phosphosulfate synthase 2	BF786072	26.49	200.84	7.58
Kcna6: potassium voltage-gated channel, shaker-related, subfamily, member 6	BM119753	77.63	587.59	7.57
Dpysl4: dihydropyrimidinase-like 4	NM_011993	22.31	167	7.49
Mm.29322.1	BF462492	76.36	572.24	7.49
Cidea: cell death-inducing DNA fragmentation factor, alpha subunit-like effector A	NM_007702	18.36	136.67	7.44
Npa13: NIPA-like domain containing 3	BB667103	34.12	253.37	7.43
Slc22a4: solute carrier family 22 (organic cation transporter), member 4	BC010590	22.27	165.26	7.42
5730492I20Rik: RIKEN cDNA 5730492I20 gene	AV301270	25.6	189.93	7.42
6430550H21Rik: RIKEN cDNA 6430550H21 gene	BB520013	28.78	213.15	7.41
2610034M16Rik: RIKEN cDNA 2610034M16 gene	BC024774	21.97	162.56	7.4
Fbxo2: F-box protein 2	BB311718	323.44	2384.33	7.37
Cyfp2: cytoplasmic FMR1 interacting protein 2	AK005148	424.55	3118.49	7.35
4833424O15Rik: RIKEN cDNA 4833424O15 gene	BB346520	53.33	389.54	7.3
Gsn: gelsolin	AV025667	220.32	1602.63	7.27
E130309F12Rik: RIKEN cDNA E130309F12 gene	BB523550	212.21	1540.28	7.26
Edg2: endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	U70622	72.02	520.81	7.23
Phkg1: phosphorylase kinase gamma 1	NM_011079	24.81	179.04	7.22
Edg2: endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	U70622	63.75	455.23	7.14
Amotl2: angiomin like 2	A1156725	207.51	1478.86	7.13
Cldn10: claudin 10	BC021770	51.27	363.13	7.08
Mm.220239.1	BB318787	44	311.07	7.07
Arrec3: Arrestin domain containing 3	AW556597	36.99	261.4	7.07
Elavl3: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)	U29149	59.99	421.92	7.03
Slc2a4: solute carrier family 2 (facilitated glucose transporter), member 4	AB008453	20.74	145.13	7
Mtap2: Microtubule-associated protein 2	BB386302	41.05	286.27	6.97
S100a3: S100 calcium binding protein A3	AF087470	21.06	146.67	6.96
Rnd2: Rho family GTPase 2	NM_009708	591.29	4114.48	6.96
Bcas1: breast carcinoma amplified sequence 1	AK020254	21.36	148.56	6.96
6430550H21Rik: RIKEN cDNA 6430550H21 gene	BB093996	18.16	125.48	6.91
Mitf: microphthalmia-associated transcription factor	BB763517	81.26	559.03	6.88
Ttyh1 /// Taf1: tweety homolog 1 (Drosophila) /// TAF1 RNA polymerase II, TATA box binding protein	NM_021324	749.46	5151.76	6.87
St18: suppression of tumorigenicity 18	BB178719	36.25	248.73	6.86
B130050I23Rik: RIKEN cDNA B130050I23 gene	AK009699	30.5	208.63	6.84
1190005I06Rik: RIKEN cDNA 1190005I06 gene	B1133691	152.69	1036.06	6.79
Lsmp: Limbic system-associated membrane protein	BB082567	156.84	1064.49	6.79
Transcribed locus	BB392681	48.76	329.77	6.76
2900005I04Rik: RIKEN cDNA 2900005I04 gene	AK013482	29.39	198.31	6.75
Ugt1a2 /// Ugt1a6a /// Ugt1a10 /// Ugt1a7c /// Ugt1a5 /// Ugt1a9 /// Ugt1a6b /// Ugt1a1: UDP glu	D87867	33.14	223.37	6.74
Anks1b /// LOC544718: ankyrin repeat and sterile alpha motif domain containing 1B /// similar to A1	AW046296	74.79	502.68	6.72
Sh3bp4: SH3-domain binding protein 4	BB130014	98.23	659.72	6.72
Opcm1: opioid binding protein/cell adhesion molecule-like	AV328011	120.44	803.17	6.67
Tmem108: transmembrane protein 108	BB733119	60.73	404.64	6.66
Frpm1 /// LOC669360 /// LOC674439: FERM and PDZ domain containing 1 /// similar to FERM and	BM213356	49.65	329.14	6.63
Susd4: sushi domain containing 4	BC021842	52.27	346.04	6.62
Lrrc4c: leucine rich repeat containing 4C	AV336083	109.21	721.22	6.6
Rgnef: Rho-guanine nucleotide exchange factor	BG069493	39.07	256.95	6.58
Ust: uronyl-2-sulfotransferase	BB561487	43.54	286.01	6.57
Cobll1: Cobl-like 1	BB521302	21.26	139.52	6.56
Gm967: gene model 967, (NCBI)	BE647179	88.11	576.82	6.55
Dpp10: Dipeptidylpeptidase 10	BB393194	24.07	156.7	6.51
Gsn: gelsolin	AV025559	196.52	1277.77	6.5
Unc5c: unc-5 homolog C (C. elegans)	NM_009472	60.3	391.84	6.5
Tgfa: transforming growth factor alpha	M92420	187.06	1213.98	6.49
9630020C08Rik /// LOC676640: RIKEN cDNA 9630020C08 gene /// region containing RIKEN cDNA 9	BB639193	21.43	138.97	6.48
Opcm1: opioid binding protein/cell adhesion molecule-like	BB383296	157.69	1019.58	6.47
Clu: clusterin	BB433678	707.04	4560.56	6.45
Atcay: ataxia, cerebellar, Cayman type homolog (human)	BQ042885	46.44	299.57	6.45
Mm.39467.1	BQ175377	357.11	2293.45	6.42
Capn5: calpain 5	BC014767	26.21	167.53	6.39
Gsn: gelsolin	AV224521	213.83	1366.28	6.39
Lgi3: leucine-rich repeat LGI family, member 3	A1841179	30.36	193.78	6.38
Ugt1a2 /// Ugt1a6a /// Ugt1a10 /// Ugt1a7c /// Ugt1a5 /// Ugt1a9 /// Ugt1a6b /// Ugt1a1: UDP glu	BC019434	72.89	462.9	6.35
2810468N07Rik: RIKEN cDNA 2810468N07 gene	AK013390	266.79	1695.42	6.35
Galnt10: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	BG965198	128.3	813.94	6.34
A330076H08Rik: RIKEN cDNA A330076H08 gene	BB130348	60.37	381.41	6.32
Clu: clusterin	NM_013492	441.17	2783.84	6.31
Kcnq1: Potassium voltage-gated channel, subfamily Q, member 1	BB233597	20.39	128.68	6.31
Nrbp2: nuclear receptor binding protein 2	BC012437	152.47	958.2	6.28
Epb4.1l3: erythrocyte protein band 4.1-like 3	BB036542	22.33	139.75	6.26
Ppp2r2b: protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	BB560759	444.5	2776.16	6.25
Ntr2: neurotensin receptor 2	NM_008747	414.67	2583.15	6.23
A230057G18Rik: RIKEN cDNA A230057G18 gene	AV221928	250.19	1558.29	6.23
Myl1: myelin transcription factor 1	NM_008665	166.59	1034.88	6.21
Nova1 /// LOC664883: neuro-oncological ventral antigen 1 /// similar to neuro-oncological ventral an	BB627486	99.18	616.17	6.21
Mm.62358.1	BE691662	98.5	612.14	6.21
Plec1: plectin 1	AW123286	179.08	1108.54	6.19
Megf11: multiple EGF-like-domains 11	BB360213	94.22	583.33	6.19
Niban: niban protein	NM_022018	25.08	154.86	6.18
Pld2: phospholipase D2	BB118582	132.19	816.9	6.18
Mm.26134.1	BG069308	29.05	178.65	6.15
Pleckh1: pleckstrin homology domain containing, family B (evectins) member 1	NM_013746	660.18	4027.53	6.1
Csmd3: CUB and Sushi multiple domains 3	AV327842	31.83	194.12	6.1
Cnp1: cyclic nucleotide phosphodiesterase 1	M58045	609.72	3702.14	6.07
Gje1: gap junction membrane channel protein epsilon 1	NM_080450	34.08	206	6.04
9330159K06: hypothetical protein 9330159K06	BB079787	27.7	167.17	6.04
BC017647: cDNA sequence BC017647	BB389461	38.59	232.99	6.04
Dgkb: diacylglycerol kinase, beta	AW493391	98.22	587.99	5.99
Mycl1: v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	BG064871	107.09	639.84	5.97

1700054019Rik: RIKEN cDNA 1700054019 gene	AK006789	20.83	123.99	5.95
Ctnna2: Catenin (cadherin associated protein), alpha 2	BB040120	115.14	683.92	5.94
2700045P11Rik: RIKEN cDNA 2700045P11 gene	BB426857	54	320.27	5.93
Aatk: apoptosis-associated tyrosine kinase	NM_007377	85.66	505.27	5.9
Clu: clusterin	AV152288	862.72	5093.35	5.9
Gja1: gap junction membrane channel protein alpha 1	M63801	870.99	5131.42	5.89
Plscr4: phospholipid scramblase 4	BB826296	44.14	259.88	5.89
6330417K15Rik: RIKEN cDNA 6330417K15 gene	AI847460	27.74	162.84	5.87
Lrrtm3: leucine rich repeat transmembrane neuronal 3	BM224801	33.79	198.02	5.86
Sh3d19: SH3 domain protein D19	BF232848	30.44	178.15	5.85
Alcam: activated leukocyte cell adhesion molecule	BB534113	40.77	237.79	5.83
Phca: phytoceramidase, alkaline	BE573407	26.35	153.16	5.81
Rab33a: RAB33A, member of RAS oncogene family	NM_011228	475.14	2751.8	5.79
Gabbr1: gamma-aminobutyric acid (GABA-B) receptor, 1	NM_019439	179.05	1036.76	5.79
Heph: hephaestin	NM_010417	24.45	140.64	5.75
Cyp46a1: cytochrome P450, family 46, subfamily a, polypeptide 1	NM_010010	88.19	506.17	5.74
2310043N10Rik: RIKEN cDNA 2310043N10 gene	AK018202	179.97	1033.79	5.74
Adult male hippocampus cDNA, RIKEN full-length enriched library, clone:C630007G15 product:hypot	BE854242	29.42	168.78	5.74
Meig1: meiosis expressed gene 1	BF021951	30.46	174.33	5.72
Frmf5: FERM domain containing 5	AW046024	134.38	768.49	5.72
Clu: clusterin	AV075715	919.95	5258.24	5.72
Synpo2: synaptopodin 2	AI848603	30.68	175.53	5.72
Ugt1a2 /// Ugt1a6a /// Ugt1a10 /// Ugt1a7c /// Ugt1a5 /// Ugt1a9 /// Ugt1a6b /// Ugt1a1: UDP glu	D87867	130.38	744.68	5.71
Alcam: activated leukocyte cell adhesion molecule	U95030	172.93	988.25	5.71
D15Ert30e: DNA segment, Chr 15, ERATO Doi 30, expressed	BG065715	45.64	259.76	5.69
LOC626832 /// LOC628147 /// LOC668030 /// LOC668066: similar to gonadotropin inducible ovariar	BM899333	115.32	655.2	5.68
Lcorl: ligand dependent nuclear receptor corepressor-like	BE650208	339.05	1924.13	5.68
12 days embryo head cDNA, RIKEN full-length enriched library, clone:300003N14 product:hypothet	BB223643	88.19	499.46	5.66
2900075N08Rik: RIKEN cDNA 2900075N08 gene	AV345687	109.83	616.45	5.61
Dusp26: dual specificity phosphatase 26 (putative)	BC018204	111.38	622.07	5.59
Paqr7: Progesterin and adipoQ receptor family member VII	AV290119	70.32	391.49	5.57
Pdgfra: platelet derived growth factor, alpha	BB371842	156.88	872.71	5.56
Lrrc4c: leucine rich repeat containing 4C	BB351752	34.55	191.96	5.56
Scn8a: sodium channel, voltage-gated, type VIII, alpha	AV221826	27.72	154.05	5.56
Hist3h2ba: histone cluster 3, H2ba	NM_030082	330.86	1833.98	5.54
Hbp1: high mobility group box transcription factor 1	BB399042	29.16	161.48	5.54
Map6d1: MAP6 domain containing 1	BB762333	78.36	432.4	5.52
Sdk1: sidekick homolog 1 (chicken)	BB106803	22.82	125.95	5.52
Mm.69577.1	BB609762	43.95	242.39	5.52
Ndrp2: N-myc downstream regulated gene 2	NM_013864	848.01	4675.85	5.51
Tox: thymocyte selection-associated HMG box gene	BB547854	100.69	553.3	5.5
Atcay: ataxia, cerebellar, Cayman type homolog (human)	BQ042885	79.62	437.68	5.5
Alcam: activated leukocyte cell adhesion molecule	AV315205	218	1196.38	5.49
Kcnb1: potassium voltage gated channel, Shab-related subfamily, member 1	BB324482	41.18	225.01	5.46
Ptpro: protein tyrosine phosphatase, receptor type, O	AF295638	102.9	561.35	5.46
BC019943: cDNA sequence BC019943	AV030795	23.62	128.72	5.45
Ets1: E26 avian leukemia oncogene 1, 5' domain	BB151715	116.69	634.4	5.44
5430431D22Rik: RIKEN cDNA 5430431D22 gene	AK017369	22.76	123.67	5.43
Tox: thymocyte selection-associated HMG box gene	BB547854	72.3	390.74	5.4
Pcdh7: protocadherin 7	BB197591	184.7	997.18	5.4
Transcribed locus	BE648105	25.05	135.36	5.4
1700019G17Rik: RIKEN cDNA 1700019G17 gene	BM214338	56.68	305.37	5.39
Nav3: Neuron navigator 3	BB667304	77.75	419.37	5.39
Bub1b: budding uninhibited by benzimidazoles 1 homolog, beta (S. cerevisiae)	AU045529	33.79	181.99	5.39
Entpd2: ectonucleoside triphosphate diphosphohydrolase 2	NM_009849	144.64	778.53	5.38
Dscaml1: Down syndrome cell adhesion molecule-like 1	AF351196	49.93	268.79	5.38
Apoe: apolipoprotein E	AK019319	1863.51	9912.33	5.32
Gbp2: guanylate nucleotide binding protein 2	BE197524	61.02	323.91	5.31
Dmrtb1: DMRT-like family B with proline-rich C-terminal, 1	BB726544	113.48	601.12	5.3
Tspan4: tetraspanin 4	NM_053082	186.15	985.49	5.29
16 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:9630048A22 product:ur	BE953888	65.55	347.02	5.29
Rnf144: Ring finger protein 144	BB446263	54.96	290	5.28
Zdhhc14: zinc finger, DHHC domain containing 14	BC021423	83.54	439.99	5.27
Nkx2-2: NK2 transcription factor related, locus 2 (Drosophila)	NM_010919	261.18	1372.81	5.26
Epha5: Eph receptor A5	BE951744	117.29	616.58	5.26
Sh3d19: SH3 domain protein D19	BG072274	61.12	319.19	5.22
Bcas1: breast carcinoma amplified sequence 1	AK020254	34.74	181.37	5.22
A130038J17Rik: RIKEN cDNA A130038J17 gene	BB216233	37.33	194.43	5.21
Ptpro: protein tyrosine phosphatase, receptor type, O	NM_011216	253.79	1314.07	5.18
Timp3: tissue inhibitor of metalloproteinase 3	BI111620	149.83	775.94	5.18
Gm114: gene model 114, (NCBI)	BB667214	354.01	1824.48	5.15
Unc5c: Unc-5 homolog C (C. elegans)	AI644595	31.33	160.49	5.12
Alcam: activated leukocyte cell adhesion molecule	U95030	156.99	799.65	5.09
Ets1: E26 avian leukemia oncogene 1, 5' domain	BB151715	131.21	668.14	5.09
1200015N20Rik: RIKEN cDNA 1200015N20 gene	NM_024244	383.77	1948.92	5.08
1200015N20Rik: RIKEN cDNA 1200015N20 gene	BB189202	28.68	145.43	5.07
5330421F07Rik: RIKEN cDNA 5330421F07 gene	BB093903	148.84	752.43	5.06
Mm.19027.2	AI447812	105.12	530.7	5.05
Abhd7: abhydrolase domain containing 7	BB175669	62.59	315.45	5.04
Prkcb1: Protein kinase C, beta 1	BB160675	27.66	139.37	5.04
Kctd4: potassium channel tetramerisation domain containing 4	NM_026214	143.39	718.85	5.01
Hes5: hairy and enhancer of split 5 (Drosophila)	BB561515	663.29	3323.74	5.01
2410025L10Rik: RIKEN cDNA 2410025L10 gene	AV330483	221.93	1108.49	4.99
Rasgef1a: RasGEF domain family, member 1A	BI134758	30.14	150.51	4.99
Ust: uroonyl-2-sulfotransferase	BB794320	303.47	1513.48	4.99
Chn2: chimerin (chimaerin) 2	AK006398	452.27	2254.04	4.98
Adult male corpus striatum cDNA, RIKEN full-length enriched library, clone:C030004I10 product:unc	BB355134	35.75	177.86	4.97
Spag1: sperm associated antigen 1	NM_012031	86.63	429.88	4.96
Gdpd2: glycerophosphodiester phosphodiesterase domain containing 2	BB550907	151.25	749.29	4.95

Pdhb /// LOC620009: pyruvate dehydrogenase (lipoamide) beta /// similar to pyruvate dehydrogenase	AK011810	43.84	217.08	4.95
Cnp1: cyclic nucleotide phosphodiesterase 1	M58045	838.3	4153.73	4.95
Nebi: nebulin	BM121794	308.34	1526.86	4.95
Ttyh1: tweety homolog 1 (Drosophila)	BB560071	456.71	2255.27	4.94
Mm.25535.1	BG067986	149.67	738.08	4.93
Ttyh1: tweety homolog 1 (Drosophila)	NM_021324	749.72	3686.94	4.92
Cdh11: cadherin 11	NM_009866	345.33	1696.48	4.91
Edg2: endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	U48235	41.93	205.62	4.9
Transcribed locus	AV238942	50.29	246.52	4.9
Plp: plasma membrane proteolipid	BC024534	166.02	810.82	4.88
Adcy8: adenylate cyclase 8	NM_009623	36.17	176.31	4.87
Mrg1: Myeloid ecotropic viral integration site-related gene 1	BM205065	41.54	202.2	4.87
Cntn3: contactin 3	BB559510	35.35	171.94	4.86
Mm.194625.1	A1836671	59.66	289.09	4.85
Pdgfra: platelet derived growth factor, alpha	BB371842	245	1186.77	4.84
Nfasc: neurofascin	BB409198	87.72	423.87	4.83
Emp2: epithelial membrane protein 2	AF083876	217.24	1046.22	4.82
Transcribed locus	AW120584	32.4	156.12	4.82
Alcam: activated leukocyte cell adhesion molecule	AV315205	202.39	974.18	4.81
Serinc3: serine incorporator 3	BM239368	601.94	2888.89	4.8
Hes5: hairy and enhancer of split 5 (Drosophila)	AV337579	217.15	1039.1	4.79
Cpeb3: cytoplasmic polyadenylation element binding protein 3	BB770826	49.43	236.85	4.79
Itp2: Inositol 1,4,5-triphosphate receptor 2	BM225081	26.84	128.54	4.79
Fzd8: frizzled homolog 8 (Drosophila)	BB086994	40.74	194.99	4.79
Gabbr1: gamma-aminobutyric acid (GABA-B) receptor, 1	BE688087	461.34	2204.67	4.78
Trio: triple functional domain (PTPRF interacting)	BE958518	60.5	289.25	4.78
4930570G19Rik: RIKEN cDNA 4930570G19 gene	BB428007	29.86	142.9	4.78
Ankrd15: ankyrin repeat domain 15	BQ032773	200.89	958.02	4.77
6720401G13Rik: RIKEN cDNA 6720401G13 gene	A1452037	55.33	263.55	4.76
2900075N08Rik: RIKEN cDNA 2900075N08 gene	BM948078	70.8	337.32	4.76
Frmf5: FERM domain containing 5	BB277380	59.27	281.3	4.75
Pink1: PTEN induced putative kinase 1	AV371921	432.77	2055.48	4.75
Mark1: MAP/microtubule affinity-regulating kinase 1	BM213279	137.47	651.72	4.74
Transcribed locus	BM246522	114.28	541.14	4.74
Pcdh10: protocadherin 10	BB313974	69	326.37	4.73
Pcdh10: protocadherin 10	NM_011043	216.39	1020.99	4.72
Ptgs2: prostaglandin-endoperoxide synthase 2	M94967	46.77	220.21	4.71
Ras10b: RAS-like, family 10, member B	BB381618	75.31	354.42	4.71
Pcdhb16: protocadherin beta 16	BB131219	107.43	503.91	4.69
Smox: spermine oxidase	BB541614	33.89	158.71	4.68
LOC553091: hypothetical LOC553091	BG068705	121.94	570.37	4.68
Gja9: gap junction membrane channel protein alpha 9	BI737842	38.82	180.31	4.65
Sox21: SRY-box containing gene 21	AY069926	264	1223.89	4.64
Phyhlpl: Phytanoyl-CoA hydroxylase interacting protein-like	BB313560	75.74	351.12	4.64
Transcribed locus	AV348780	42.85	198.46	4.63
2900041A09Rik: RIKEN cDNA 2900041A09 gene	AK013631	86.34	399.36	4.63
Dach2: dachshund 2 (Drosophila)	BB175077	27.77	128.45	4.63
Sez6l: seizure related 6 homolog like	AW539724	31.07	143	4.6
Abca1: ATP-binding cassette, sub-family A (ABC1), member 1	BB144704	1100.01	5048.37	4.59
Arl4a: ADP-ribosylation factor-like 4A	AK006286	355.83	1633.78	4.59
Atcay: ataxia, cerebellar, Cayman type homolog (human)	BQ042885	57.73	264.99	4.59
Abtb2: ankyrin repeat and BTB (POZ) domain containing 2	BB621938	80.74	370.24	4.59
Arhgef19: Rho guanine nucleotide exchange factor (GEF) 19	AV321315	52.68	241.96	4.59
Edg3: endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	AV238324	162.84	747.22	4.59
Arvcf: armadillo repeat gene deleted in velo-cardio-facial syndrome	BE947943	49.42	226.53	4.58
1810015C04Rik: RIKEN cDNA 1810015C04 gene	NM_025459	97.71	446.46	4.57
Transcribed locus	BQ175021	67.7	309	4.56
Plxn1: plexin C1	BB476707	33.73	153.31	4.55
9430012M22Rik: RIKEN cDNA 9430012M22 gene	AK020412	42.68	194.19	4.55
Mm.125186.1	BG060627	112.5	512.1	4.55
Id4: Inhibitor of DNA binding 4	BB306828	324.48	1472.05	4.54
Psd2: pleckstrin and Sec7 domain containing 2	AK018116	202.43	918.36	4.54
Tmcc3: transmembrane and coiled coil domains 3	BB711990	254.56	1156.23	4.54
Rora: RAR-related orphan receptor alpha	BF464701	29.5	133.82	4.54
Frmf4a: FERM domain containing 4A	AV323439	36.09	163.4	4.53
Alcam: Activated leukocyte cell adhesion molecule	AW547545	50.19	227.59	4.53
Epha5: Eph receptor A5	A1854630	92.67	418.13	4.51
Spon1: spondin 1, (f-spondin) extracellular matrix protein	BC020531	577.49	2598.82	4.5
Anks1b /// LOC544718: ankyrin repeat and sterile alpha motif domain containing 1B /// similar to A1	BQ174247	241.6	1088.34	4.5
Pcdh10: protocadherin 10	BB174272	112.02	503.16	4.49
Sorbs1: Sorbin and SH3 domain containing 1	BB218653	191.27	858.72	4.49
Dock9 /// LOC670309: dedicator of cytokinesis 9 /// similar to Dedicator of cytokinesis protein 9 (Cd	BB795072	75.61	338.79	4.48
Ntrk2: neurotrophic tyrosine kinase, receptor, type 2	BB795585	573.94	2570.92	4.48
Ehd3: EH-domain containing 3	BM234719	334.02	1484.95	4.45
Ctnna2: catenin (cadherin associated protein), alpha 2	NM_009819	214.97	956.75	4.45
Adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230096K23 product:39 K	BB182155	36.47	161.89	4.44
A930041H05Rik: RIKEN cDNA A930041H05 gene	BB314361	30.41	135.02	4.44
Phca: phytoceramidase, alkaline	BE573407	58.13	257.24	4.43
Susd4: sushi domain containing 4	BF455403	123.43	547.36	4.43
Col9a1: procollagen, type IX, alpha 1	NM_007740	58.9	260.32	4.42
Myo6: myosin VI	BB200233	243.41	1076.13	4.42
Mm.214313.1	BM117114	51.81	229.06	4.42
Tmem108: transmembrane protein 108	BB431028	45.24	198.97	4.4
6330415B21Rik: RIKEN cDNA 6330415B21 gene	BB261763	119.26	522.2	4.38
Tmcc3: transmembrane and coiled coil domains 3	BB711990	175.21	763.47	4.36
Anks1b /// LOC544718: ankyrin repeat and sterile alpha motif domain containing 1B /// similar to A1	BQ174247	141.73	617.4	4.36
Grin3a: glutamate receptor ionotropic, NMDA3A	AV325957	56.31	245.3	4.36
Pcdh9: Protocadherin 9	BE979956	83.99	364.97	4.35
Prkcz: protein kinase C, zeta	BB430502	47.94	208.69	4.35

Endod1: endonuclease domain containing 1	BF168366	65.79	285.62	4.34
Edg1: endothelial differentiation sphingolipid G-protein-coupled receptor 1	BB133079	247.38	1067.59	4.32
6330403K07Rik: RIKEN cDNA 6330403K07 gene	AK018106	1326.19	5728.8	4.32
Prkg2: protein kinase, cGMP-dependent, type II	BB823350	59.56	257.26	4.32
5031425E22Rik: RIKEN cDNA 5031425E22 gene	AK017143	231.65	1000.74	4.32
Cacng4: calcium channel, voltage-dependent, gamma subunit 4	BB333636	133.71	576.08	4.31
Lrrtm3: leucine rich repeat transmembrane neuronal 3	BB132359	44.95	193.2	4.3
Pim3: proviral integration site 3	BB206220	375.38	1610.39	4.29
Tcf7l2: Transcription factor 7-like 2, T-cell specific, HMG-box	BM218908	67.47	289.7	4.29
Sorbs1: sorbin and SH3 domain containing 1	BB259710	135.77	581.15	4.28
Usp53: ubiquitin specific peptidase 53	AV320152	47.54	203.51	4.28
Col3a1: procollagen, type III, alpha 1	AW550625	91.36	390.47	4.27
Tmcc3: transmembrane and coiled coil domains 3	BC026867	153.11	653.84	4.27
Pcdh9: Protocadherin 9	BM941356	76.17	325.56	4.27
C030019F02Rik: RIKEN cDNA C030019F02 gene	NM_021426	176.28	751.04	4.26
C230093N12Rik: RIKEN cDNA C230093N12 gene	BC023470	230.79	983.18	4.26
Efcab2: EF-hand calcium binding domain 2	BC025062	32.19	137.1	4.26
Transcribed locus	AW125035	115.57	492.83	4.26
Dixdcl1: DIX domain containing 1	AW455436	40.62	173.17	4.26
Acaa2: acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	AK002555	211.87	900.26	4.25
Adra2a: adrenergic receptor, alpha 2a	BB262415	47.26	200.63	4.25
Rangap1: RAN GTPase activating protein 1	BF460623	56.1	238.58	4.25
Kctd5: potassium channel tetramerisation domain containing 5	BF577853	514.18	2180.94	4.24
Tcf7l2: transcription factor 7-like 2, T-cell specific, HMG-box	AF107298	90.78	384.8	4.24
Lphn3: latrophilin 3	BE945410	145.81	618.3	4.24
Calcr1: calcitonin receptor-like	AF209905	133.44	563.8	4.23
Ctsf: cathepsin F	AK017474	152.84	644.67	4.22
Stom: stomatin	AF093620	123.52	520.54	4.21
Pcdhb22: protocadherin beta 22	AV336932	60.77	255.94	4.21
E130203B14Rik: RIKEN cDNA E130203B14 gene	BB304844	32.95	138.76	4.21
2310035P21Rik: RIKEN cDNA 2310035P21 gene	BG230003	89.8	376.74	4.2
Pla2g7: phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	AK005158	2050.1	8596.02	4.19
Ndufs1: NADH dehydrogenase (ubiquinone) Fe-S protein 1	AK017924	45.13	188.62	4.18
Mycl1: v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	BI687857	62.58	260.83	4.17
Dock9 /// LOC670309: dedicator of cytokinesis 9 /// similar to Dedicator of cytokinesis protein 9 (Cd	AA410148	230.42	960.57	4.17
Alas1: Aminolevulinic acid synthase 1	BM021574	32.89	136.97	4.16
Tanc2: Tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	BB520952	40.3	167.56	4.16
Arvcf: armadillo repeat gene deleted in velo-cardio-facial syndrome	BE947943	45.04	187.07	4.15
Cpeb2: cytoplasmic polyadenylation element binding protein 2	BB235708	121.63	504.61	4.15
Osmr: oncostatin M receptor	AB015978	34.59	143.34	4.14
Dscam: Down syndrome cell adhesion molecule	BE947485	93.35	386.48	4.14
AI956758: expressed sequence AI956758	AV234963	54.09	224.18	4.14
Timp2: tissue inhibitor of metalloproteinase 2	M93954	86.07	354.64	4.12
Scn8a: sodium channel, voltage-gated, type VIII, alpha	BB429612	134.44	552.98	4.11
Rarres1: retinoic acid receptor responder (tazarotene induced) 1	BB035017	47.76	196.09	4.11
Cobl1: Cobl-like 1	AV080881	210.03	862.69	4.11
Sfrs8: Splicing factor, arginine/serine-rich 8	BM234702	68.46	280.96	4.1
Dock9 /// LOC670309: dedicator of cytokinesis 9 /// similar to Dedicator of cytokinesis protein 9 (Cd	BB795072	182.35	746.47	4.09
Wasf1: WASP family 1	AW551910	118.4	484.69	4.09
Chn2: Chimerin (chimaerin) 2	BB707145	73.77	301.78	4.09
Pcdh10: protocadherin 10	AF334801	158.22	645.16	4.08
Scrg1: scrapie responsive gene 1	NM_009136	635.88	2585.63	4.07
Pcdh7: protocadherin 7	BE647243	33.46	136.26	4.07
Xkr6: X Kell blood group precursor related family member 6 homolog	BB131963	95.56	388.88	4.07
9330184L24Rik: RIKEN cDNA 9330184L24 gene	BB083737	40.27	163.8	4.07
Klhl5: kelch-like 5 (Drosophila)	BB807192	36.32	147.92	4.07
Pcdhb21: protocadherin beta 21	NM_053146	128.31	521.41	4.06
Cspg4: chondroitin sulfate proteoglycan 4	BB377873	59.43	241.34	4.06
Pcdhb7: protocadherin beta 7	NM_053132	76.96	312.29	4.06
Mtm1: X-linked myotubular myopathy gene 1	BG976607	237.04	963.34	4.06
Pcdh10: protocadherin 10	BB077413	434.4	1753.96	4.04
Cox4nb: COX4 neighbor	BI734783	150.49	607.88	4.04
D6Wsu116e: DNA segment, Chr 6, Wayne State University 116, expressed	BM197316	59.01	237.29	4.02
Pdgfrb: platelet derived growth factor receptor, beta polypeptide	AA499047	57.82	231.79	4.01
1810041L15Rik: RIKEN cDNA 1810041L15 gene	BI734299	148.52	596.3	4.01
AW048948: expressed sequence AW048948	BQ174502	166.6	667.5	4.01
12 days embryo spinal ganglion cDNA, RIKEN full-length enriched library, clone:D130065D02 produc	BB460036	173.71	696.19	4.01
Sorbs1: sorbin and SH3 domain containing 1	BB372866	147.33	590.17	4.01
LOC668066: Similar to gonadotropin inducible ovarian transcription factor 1	BB246383	93.5	373.4	3.99
Txnip: thioredoxin interacting protein	AF173681	322.46	1284.57	3.98
Tmem108: transmembrane protein 108	BB293313	209.81	834.6	3.98
Sema5a: sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane doi	AV375653	279.78	1106.65	3.96
Timp3: tissue inhibitor of metalloproteinase 3	BI111620	342.28	1353.27	3.95
Nrxn2: neurexin II	BE949064	151.87	598.75	3.94
2600009P04Rik: RIKEN cDNA 2600009P04 gene	AV334527	172.45	677.19	3.93
Apod: apolipoprotein D	NM_007470	44.81	175.44	3.92
Angptl4: angiopoietin-like 4	NM_020581	52.96	207.8	3.92
Tmcc2: transmembrane and coiled-coil domains 2	AK004359	160.16	627.88	3.92
Sytl2: synaptotagmin-like 2	NM_031394	46.52	181.28	3.9
Lect1: leukocyte cell derived chemotaxin 1	NM_010701	36.16	141.15	3.9
Prkg2: protein kinase, cGMP-dependent, type II	BB363188	73.37	286.51	3.9
Sft2d3: SFT2 domain containing 3	AK005221	58.64	228.48	3.9
Masp1: mannan-binding lectin serine peptidase 1	AB049755	70.53	274.65	3.89
Mm.133035.1	BB283493	102.36	396.83	3.88
Lypd1: Ly6/Plaur domain containing 1	AK012406	43.28	167.55	3.87
Mm.24733.2	BQ176610	211.48	818.36	3.87
Lrrtm3: leucine rich repeat transmembrane neuronal 3	BM224801	38.75	149.76	3.87
Slc45a4: solute carrier family 45, member 4	BB082429	69.7	268.47	3.85
Gpr155: G protein-coupled receptor 155	BB762731	122.44	470.27	3.84

Dlgap1: discs, large (Drosophila) homolog-associated protein 1	AK016873	69.23	265.53	3.84
Lrrtm3: leucine rich repeat transmembrane neuronal 3	BM224801	54.85	210.5	3.84
Stom: stomatin	AF093620	104.06	398.62	3.83
2810049E08Rik: RIKEN cDNA 2810049E08 gene	AK012929	57.85	221.51	3.83
Mm.181879.1	AV367169	40.39	154.63	3.83
Oprl1: opioid receptor-like 1	X91813	36.35	138.75	3.82
Sh3d19: SH3 domain protein D19	NM_012059	134.31	509.72	3.8
Pcdhb20: protocadherin beta 20	NM_053145	161.27	611.17	3.79
Fbln5: fibulin 5	NM_011812	37.25	140.84	3.78
Sorl1: sortilin-related receptor, LDLR class A repeats-containing	BI648081	155.07	585.51	3.78
Dkk3: dickkopf homolog 3 (Xenopus laevis)	AK004853	77.6	293.44	3.78
Transcribed locus, strongly similar to XP_579813.1 hypothetical protein XP_579813 [Rattus norvegicus]	BB251859	76.23	288.5	3.78
Man1c1: mannosidase, alpha, class 1C, member 1	BB392263	281.95	1062.65	3.77
Matn2: matrilin 2	BC005429	75.75	284.73	3.76
Dpp10: dipeptidylpeptidase 10	BQ176414	54.43	204.44	3.76
Abtb2: ankyrin repeat and BTB (POZ) domain containing 2	BB621938	556.24	2087.5	3.75
6030490B17Rik: RIKEN cDNA 6030490B17 gene	BB392503	77.95	292.04	3.75
Mm.211374.1	BB770903	72.27	270.76	3.75
Phyhlpl: phytanoyl-CoA hydroxylase interacting protein-like	AI267048	836.02	3126.73	3.74
S100a1: S100 calcium binding protein A1	BC005590	130.94	488.81	3.73
Slc30a10: solute carrier family 30, member 10	BB540543	66.27	246.92	3.73
Tmcc3: transmembrane and coiled coil domains 3	BB711990	522.21	1948.8	3.73
Usp20: ubiquitin specific peptidase 20	AK006800	50.61	188.44	3.72
Id4: inhibitor of DNA binding 4	BB121406	1553.7	5777.96	3.72
Slc9a9: solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	AI854429	88.02	327.16	3.72
Sox10: SRY-box containing gene 10	BC025171	109.6	406.84	3.71
6430537I21Rik: RIKEN cDNA 6430537I21 gene	AV343428	208.6	773.17	3.71
Alcam: Activated leukocyte cell adhesion molecule	AU041266	47.69	176.83	3.71
Serpina3n: serine (or cysteine) peptidase inhibitor, clade A, member 3N	NM_009252	134.82	498.66	3.7
Papss2: 3'-phosphoadenosine 5'-phosphosulfate synthase 2	BF780807	148.87	551.43	3.7
Hspa2: heat shock protein 2	BC004714	170.8	629.4	3.69
Pftk1: PFTAIR protein kinase 1	BB027193	68.59	253.14	3.69
Tox: Thymocyte selection-associated HMG box gene	BM245368	61.78	227.74	3.69
Pcdh9 /// LOC638275: protocadherin 9 /// similar to protocadherin 9 isoform 1 precursor	BQ177394	585.29	2154.31	3.68
Epb4.1l3: erythrocyte protein band 4.1-like 3	NM_013813	161.67	594.04	3.67
Shroom2 /// LOC670546: shroom family member 2 /// similar to Apical-like protein (APXL protein)	BQ176992	625.49	2294.35	3.67
Sfxn5: sideroflexin 5	BB379739	612.71	2250.4	3.67
Atp1a2: ATPase, Na+/K+ transporting, alpha 2 polypeptide	AV325919	1669.2	6124.73	3.67
Fxyd6: FXD domain-containing ion transport regulator 6	AB032010	380.66	1391.62	3.66
1110032A03Rik: RIKEN cDNA 1110032A03 gene	NM_023483	173.08	630.72	3.64
Mbp: myelin basic protein	BB181247	68.73	250.47	3.64
Prickle1: prickle like 1 (Drosophila)	BC022643	114.63	417.18	3.64
4833418A01Rik: RIKEN cDNA 4833418A01 gene	BM213879	126.89	461.33	3.64
4930402H24Rik: RIKEN cDNA 4930402H24 gene	C78926	418.18	1522.71	3.64
E130308A19Rik: RIKEN cDNA E130308A19 gene	BE948602	146.33	532.25	3.64
Sorl1: sortilin-related receptor, LDLR class A repeats-containing	AK013519	113.99	413.75	3.63
Id2: inhibitor of DNA binding 2	NM_010496	1140.39	4123.83	3.62
Chn2: chimerin (chimaerin) 2	AK006398	372.83	1350.49	3.62
Tspan17: tetraspanin 17	AI844703	70.88	256.56	3.62
Gpiap1: GPI-anchored membrane protein 1	BM203355	345.87	1252.7	3.62
Sgk: serum/glucocorticoid regulated kinase	NM_011361	903.87	3266.72	3.61
Masp1: mannan-binding lectin serine peptidase 1	BB477214	73.24	264.4	3.61
C030014M07Rik /// LOC668212: RIKEN cDNA C030014M07 gene /// similar to RIKEN cDNA C920001	BB795377	126.49	457.05	3.61
Lgi3: leucine-rich repeat LGI family, member 3	BB187947	82.1	296.74	3.61
Snx22: sorting nexin 22	AV333851	56.95	204.22	3.59
Olig1: oligodendrocyte transcription factor 1	AB038696	1350.65	4836.5	3.58
Id2: inhibitor of DNA binding 2	AK013239	80.9	289.41	3.58
4931414P19Rik: RIKEN cDNA 4931414P19 gene	AK016457	82.71	296.05	3.58
Chic2: Cysteine-rich hydrophobic domain 2	AV024777	137.14	490.73	3.58
Cutl2: cut-like 2 (Drosophila)	BB129488	117.63	421.39	3.58
Pcdhb3: protocadherin beta 3	NM_053128	57.23	204.27	3.57
Phyhlpl: phytanoyl-CoA hydroxylase interacting protein-like	BB131270	914.74	3268.16	3.57
Sox6: SRY-box containing gene 6	AV281802	540.64	1930.3	3.57
Pcdh9: Protocadherin 9	AW492836	57.79	206.28	3.57
Tox: Thymocyte selection-associated HMG box gene	BM124834	40.4	144.43	3.57
Apoc1: apolipoprotein C-I	NM_007469	49.66	176.73	3.56
Transcribed locus	BB342212	100.02	356.02	3.56
Ick: intestinal cell kinase	BB376918	246.61	878.44	3.56
Timp3: tissue inhibitor of metalloproteinase 3	BI111620	314.51	1115.01	3.55
Il6st: interleukin 6 signal transducer	AA717838	251.45	893.76	3.55
Sgip1: SH3-domain GRB2-like (endophilin) interacting protein 1	AK014022	169.68	601.85	3.55
5730433N10Rik: RIKEN cDNA 5730433N10 gene	AK017612	115.64	410.79	3.55
Cyp2j6: cytochrome P450, family 2, subfamily j, polypeptide 6	NM_010008	215.8	761.2	3.53
1200015N20Rik: RIKEN cDNA 1200015N20 gene	BB461323	593.23	2093.11	3.53
Slc22a21: solute carrier family 22 (organic cation transporter), member 21	NM_019723	77.1	271.78	3.53
Car8: carbonic anhydrase 8	BB125515	60.74	214.3	3.53
Snag1: sorting nexin associated golgi protein 1	AV344473	285.86	1005.93	3.52
Timp3: tissue inhibitor of metalloproteinase 3	BI111620	427.91	1504.18	3.52
Rnf144: ring finger protein 144	AI414399	46.66	164.15	3.52
Sox6: SRY-box containing gene 6	D61689	353.56	1245.52	3.52
Phactr1: phosphatase and actin regulator 1	AV259240	91.54	321.98	3.52
Ptpre: Protein tyrosine phosphatase, receptor type, E	BE852843	40.25	141.48	3.52
S100a1: S100 calcium binding protein A1	AI266795	326.26	1146.71	3.51
Sgip1: SH3-domain GRB2-like (endophilin) interacting protein 1	AV344708	98.21	343.66	3.5
Cnp1: cyclic nucleotide phosphodiesterase 1	BB251922	2593.27	9070.35	3.5
B930037P14Rik: RIKEN cDNA B930037P14 gene	BM233059	61.9	216.46	3.5
Sqstm1: Sequestosome 1	BM237736	47.17	164.53	3.49
Dock4: dedicator of cytokinesis 4	BB428868	128.73	449.82	3.49
Cmtm5: CKLF-like MARVEL transmembrane domain containing 5	AV029626	304.58	1061.17	3.48



Mm.87669.1	AV348753	85.44	297.75	3.48
Adult male hippocampus cDNA, RIKEN full-length enriched library, clone:C630028A20 product:unclassified	BB429361	64.93	225.77	3.48
Plxdc2: plexin domain containing 2	BB559706	77.84	270.37	3.47
3110027N22Rik: RIKEN cDNA 3110027N22 gene	BB753814	70.77	245.49	3.47
Dock10 /// LOC630691: dedicator of cytokinesis 10 /// similar to Dedicator of cytokinesis protein 10	BB763030	92.56	321.1	3.47
Cyp7b1: cytochrome P450, family 7, subfamily b, polypeptide 1	NM_007825	126.51	437.28	3.46
Cntf /// Zfp91: ciliary neurotrophic factor /// zinc finger protein 91	NM_053007	259.04	896.32	3.46
Atp1a2: ATPase, Na+/K+ transporting, alpha 2 polypeptide	AI845177	616.39	2133.99	3.46
Pim3: proviral integration site 3	BC017621	235.57	816.09	3.46
Pcdh7: protocadherin 7	NM_018764	55.32	191.01	3.45
Timp2: tissue inhibitor of metalloproteinase 2	BF168458	502.09	1732.24	3.45
Transcribed locus	BF721979	44.67	154.14	3.45
9430041J12Rik: RIKEN cDNA 9430041J12 gene	BB093175	45.48	156.37	3.44
Aph1b: anterior pharynx defective 1b homolog (C. elegans)	BM219801	164.95	566.16	3.43
Ednrb: endothelin receptor type B	BB451714	939.08	3215.14	3.42
Gfap: glial fibrillary acidic protein	BB183081	1373.61	4700.1	3.42
Timp2: tissue inhibitor of metalloproteinase 2	BF168458	352.69	1205.93	3.42
Pcdh9: Protocadherin 9	BB080017	245.01	837.05	3.42
B930098A02Rik: RIKEN cDNA B930098A02 gene	BB794854	305.16	1045.01	3.42
Thsd7a: thrombospondin, type I, domain containing 7A	BE690988	52.49	178.46	3.4
Nov1 /// LOC664883: neuro-oncological ventral antigen 1 /// similar to neuro-oncological ventral antigen 1	BB627486	791.73	2686.66	3.39
E130308A19Rik: RIKEN cDNA E130308A19 gene	BI794701	156.6	531.12	3.39
Tprkb: Tp53r binding protein	BC027413	113.83	384.27	3.38
Efh1: EF hand domain containing 1	BC019531	128.68	434.58	3.38
Cacng4: calcium channel, voltage-dependent, gamma subunit 4	BQ176350	107.26	363.02	3.38
S100a6: S100 calcium binding protein A6 (calcyclin)	NM_011313	559.54	1885.98	3.37
Chst1: carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	NM_023850	103.56	348.35	3.36
5930433N17Rik: RIKEN cDNA 5930433N17 gene	C85455	66.2	222.74	3.36
Plxnc1: plexin C1	BB476707	235.53	788.92	3.35
Add3: adducin 3 (gamma)	BI410363	569.91	1910.94	3.35
Cspg2: chondroitin sulfate proteoglycan 2	BM251152	218.32	730.58	3.35
AI427515: expressed sequence AI427515	AV173683	60.02	201.29	3.35
Ppp1r13b: protein phosphatase 1, regulatory (inhibitor) subunit 13B	BG064715	48.62	163.11	3.35
Rusc2: RUN and SH3 domain containing 2	BC024790	155.08	518.71	3.34
Bace1: beta-site APP cleaving enzyme 1	BB114336	442.07	1477.73	3.34
Zfp608: Zinc finger protein 608	BE200446	159.22	532.51	3.34
Sdf4: stromal cell derived factor 4	U45977	48.04	159.87	3.33
Zfp365 /// LOC674611: zinc finger protein 365 /// similar to zinc finger protein 365	AV327248	399.19	1329.08	3.33
Mapk8ip2: mitogen-activated protein kinase 8 interacting protein 2	AW536912	58.63	195.31	3.33
Celsr1: cadherin EGF LAG seven-pass G-type receptor 1	NM_009886	245.99	817.42	3.32
Dock10: Dedicator of cytokinesis 10	BM247032	88.86	294.76	3.32
Ddhd1: DDHD domain containing 1	AV265534	81.22	268.87	3.31
LOC545228: hypothetical protein LOC545228	AA175473	94.22	311.8	3.31
Tcf3: transcription factor 3	NM_009332	504.03	1661.5	3.3
Matn2: matrilin 2	BB338441	166.66	549.38	3.3
1700047I17Rik /// LOC665155: RIKEN cDNA 1700047I17 gene /// similar to signal recognition particle	BB824055	85.06	280.49	3.3
Oprl1: opioid receptor-like 1	AF043276	86.57	285.17	3.29
Hlf: hepatic leukemia factor	BB744589	59.35	195.35	3.29
2900042E01Rik: RIKEN cDNA 2900042E01 gene	BQ176287	649.23	2135.48	3.29
Itsn1: Intersectin 1 (SH3 domain protein 1A)	BG074656	65.68	216.08	3.29
Lcorl: ligand dependent nuclear receptor corepressor-like	AV231984	328.73	1080.67	3.29
Gpr137b: G protein-coupled receptor 137B	AW546472	233.56	765.96	3.28
AI452195: expressed sequence AI452195	BB303582	460.62	1510.98	3.28
Pcdh10: protocadherin 10	AV341417	470.45	1544.88	3.28
Dlgap1: discs, large (Drosophila) homolog-associated protein 1	AK016873	117.97	387.31	3.28
Hrasls3: HRAS like suppressor 3	BB404920	235.5	770.67	3.27
Malat1: metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	AW012617	370.47	1208.82	3.26
Prei4: preimplantation protein 4	AK009137	256.68	836.22	3.26
Gclci1: Glucocorticoid induced transcript 1	BM247146	89.67	292.36	3.26
Shc4: SHC (Src homology 2 domain containing) family, member 4	AV353605	151.25	493.71	3.26
Tspan7: tetraspanin 7	AF052492	719.45	2334.92	3.25
Dpysl4: dihydropyrimidinase-like 4	NM_011993	271.04	880.66	3.25
Tmem47: transmembrane protein 47	NM_138751	920.83	2990.75	3.25
Rtn4: reticulon 4	BG072267	181.4	588.91	3.25
Jmjd1c: Jumonji domain containing 1C	BB667902	313.07	1016.71	3.25
Lrp1b: low density lipoprotein-related protein 1B (deleted in tumors)	BB129193	76.9	249.81	3.25
Khdrbs2: KH domain containing, RNA binding, signal transduction associated 2	NM_133235	94.82	307.3	3.24
Gatm: glycine amidinotransferase (L-arginine:glycine amidinotransferase)	AW108522	503.7	1632.68	3.24
Mus musculus, clone IMAGE:5363897, mRNA	BQ174424	81.76	264.93	3.24
Cdc37l1: Cell division cycle 37 homolog (S. cerevisiae)-like 1	BB391093	62.94	203.99	3.24
Cspg2: chondroitin sulfate proteoglycan 2	NM_019389	324.76	1049.69	3.23
E130308A19Rik: RIKEN cDNA E130308A19 gene	BM937727	170.95	552.54	3.23
Srr: serine racemase	AK002636	111.57	360.48	3.23
Mycl1: v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	BI687857	72.22	232.84	3.22
2210418O10Rik: RIKEN cDNA 2210418O10 gene	NM_029813	60.2	193.85	3.22
Ank: progressive ankylosis	NM_020332	702.11	2257.76	3.22
1810041L15Rik: RIKEN cDNA 1810041L15 gene	BQ177117	372.94	1199.43	3.22
Hist2h2aa1 /// Hist1h2ad /// Hist1h2an /// Hist2h2ac /// Hist2h2aa2 /// Hist2h2ab: histone cluster 2	BC010564	220.32	707.53	3.21
Rftn2: raftlin family member 2	BE225664	294.63	946.67	3.21
Gfra1: glial cell line derived neurotrophic factor family receptor alpha 1	AV221299	77.98	250.42	3.21
Adult male colon cDNA, RIKEN full-length enriched library, clone:9030003C19 product:unclassified	BB210964	60.91	195.52	3.21
Mm.39542.1	AI839084	53.5	171.66	3.21
C79601: expressed sequence C79601	C79601	831.01	2667.82	3.21
Zfhx1b: zinc finger homeobox 1b	NM_015753	562.44	1800.36	3.2
Atp1a2: ATPase, Na+/K+ transporting, alpha 2 polypeptide	BC025807	808	2589.15	3.2
Emp2: epithelial membrane protein 2	BE571790	1260.72	4032.56	3.2
Plxnc1: plexin C1	BB476707	151.43	485.28	3.2
Pink1: PTEN induced putative kinase 1	AF316872	868.18	2775.39	3.2
Rarb: retinoic acid receptor, beta	BB266455	78.09	249.74	3.2

Dixdc1: DIX domain containing 1	BB758432	198.24	634.57	3.2
A1851453: expressed sequence A1851453	A1851453	167.55	536.83	3.2
Gpam: glycerol-3-phosphate acyltransferase, mitochondrial	BC019201	237.7	758	3.19
Il6st: interleukin 6 signal transducer	AK017211	781.22	2484.25	3.18
E130308A19Rik: RIKEN cDNA E130308A19 gene	B1794748	220.46	700.72	3.18
Aplp1: amyloid beta (A4) precursor-like protein 1	NM_007467	285.64	904.86	3.17
Traf4: Tnf receptor associated factor 4	NM_009423	161.5	512.2	3.17
Fmo1: flavin containing monooxygenase 1	BC011229	64.48	204.72	3.17
Sorbs1: sorbin and SH3 domain containing 1	AF078667	523.12	1657.01	3.17
Ednrb: endothelin receptor type B	BB770914	1192.04	3773.94	3.17
Epb4.1l2: erythrocyte protein band 4.1-like 2	BE951907	417.29	1324.11	3.17
Sdc4: syndecan 4	BC005679	390.22	1236.46	3.17
9530057J20Rik /// EG665756 /// EG665787: RIKEN cDNA 9530057J20 gene /// predicted gene, EG6	BE945468	59.29	188.05	3.17
E130308A19Rik: RIKEN cDNA E130308A19 gene	BB789822	221.6	703.24	3.17
Hist2h2aa1 /// Hist1h2ad /// Hist1h2an /// Hist2h2ac /// Hist2h2ab: histone cluster 2	BC010564	257.96	816.28	3.16
Ash2l: ash2 (absent, small, or homeotic)-like (Drosophila)	BM207355	54.34	171.64	3.16
Mtm1: X-linked myotubular myopathy gene 1	BG976607	153.58	485.37	3.16
1700019G17Rik: RIKEN cDNA 1700019G17 gene	BM214338	113.02	357.3	3.16
4632427E13Rik: RIKEN cDNA 4632427E13 gene	AK019505	255.29	806.58	3.16
Pdcd4: Programmed cell death 4	BB732233	105.7	333.94	3.16
Bdh1: 3-hydroxybutyrate dehydrogenase, type 1	BF322712	177.84	560.91	3.15
Kit: kit oncogene	X65997	124.82	392.58	3.15
Chic2: cysteine-rich hydrophobic domain 2	AK015681	915.78	2888.19	3.15
Rims2: regulating synaptic membrane exocytosis 2	AV348556	75.6	237.9	3.15
Sox6: SRY-box containing gene 6	AJ010605	972.53	3054.65	3.14
Dpysl4: dihydropyrimidinase-like 4	NM_011993	148.62	465.73	3.13
Epb4.1l2: erythrocyte protein band 4.1-like 2	BE951907	824.9	2585.79	3.13
3110001I20Rik: RIKEN cDNA 3110001I20 gene	BB427489	133.62	418.51	3.13
Asrgl1: asparaginase like 1	AU040643	914.16	2860.95	3.13
Klhdc8b: kelch domain containing 8B	AK019849	94.57	296.37	3.13
Lcorl: Ligand dependent nuclear receptor corepressor-like	B1076539	58.32	182.5	3.13
Preb: prolactin regulatory element binding	AV362891	67.21	210.6	3.13
Dock4: dedicator of cytokinesis 4	BB045510	87.43	273.44	3.13
Gfap: glial fibrillary acidic protein	BB183081	1725.8	5389.87	3.12
Gabrg1: gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 1	AF156490	182.14	567.93	3.12
2810013P06Rik: RIKEN cDNA 2810013P06 gene	BM246000	95.65	298.55	3.12
Mm.213271.1	BB200981	51.56	160.79	3.12
Pcdh9 /// LOC638275: protocadherin 9 /// similar to protocadherin 9 isoform 1 precursor	AW048370	225.63	704.96	3.12
Galnt10: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	BG965198	79.95	248.37	3.11
Sema4d: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytopl	AV256403	160.59	499.41	3.11
Epb4.1l2: erythrocyte protein band 4.1-like 2	BE951907	1014.27	3149.52	3.11
2600009P04Rik: RIKEN cDNA 2600009P04 gene	AV334527	383.87	1192.17	3.11
Gpr137b: G protein-coupled receptor 137B	AK010724	468.76	1456.14	3.11
Metap1: methionine aminopeptidase-like 1	AJ414378	92.76	288.54	3.11
Scfd2: sec1 family domain containing 2	BB821363	60.02	186.54	3.11
Sft2d3: SFT2 domain containing 3	BE688374	54.61	169.66	3.11
Dixdc1: DIX domain containing 1	BF471786	47.7	148.15	3.11
Ctsb: cathepsin B	M14222	155.31	481.65	3.1
Lphn3: latrophilin 3	BE945410	244.6	759.42	3.1
Impact: imprinted and ancient	BB524087	47.65	147.92	3.1
Car11: carbonic anhydrase 11	BC019393	144.8	447.24	3.09
Strn: striatin, calmodulin binding protein	BG519214	381.83	1181.1	3.09
Epas1: Endothelial PAS domain protein 1	BI647951	443.49	1370.15	3.09
Ppm1k: protein phosphatase 1K (PP2C domain containing)	A1482429	188.81	583.3	3.09
Gm440: gene model 440, (NCBI)	BG075955	195.37	602.64	3.08
Tmcc3: transmembrane and coiled coil domains 3	BB771888	670.42	2066.11	3.08
Pdk4: pyruvate dehydrogenase kinase, isoenzyme 4	NM_013743	100.38	308.44	3.07
Plxnb1: plexin B1	BM119522	337.34	1035.27	3.07
Klh124: kelch-like 24 (Drosophila)	BM124262	138.45	425.08	3.07
Pak7: p21 (CDKN1A)-activated kinase 7	BM228403	59.85	183.5	3.07
Gab1: growth factor receptor bound protein 2-associated protein 1	NM_021356	362.62	1108.21	3.06
Lrg3: leucine-rich repeats and immunoglobulin-like domains 3	BB524113	73.57	224.95	3.06
5930403N24Rik: RIKEN cDNA 5930403N24 gene	BB308657	62.76	191.79	3.06
Fbxo7: F-box protein 7	AK010499	206.41	631.92	3.06
Slc7a2: solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	BF533509	53	161.45	3.05
Add3: adducin 3 (gamma)	BM239842	899.56	2748.13	3.05
Wiz: Widely-interspaced zinc finger motifs	BG976607	167.96	512.56	3.05
P140: P140 gene	BQ174549	96.83	295.77	3.05
Edg3: endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	BB532532	76.89	234.22	3.05
Dbndd2: dysbindin (dystrobrevin binding protein 1) domain containing 2	BE949296	118.56	362.17	3.05
Gab1: growth factor receptor bound protein 2-associated protein 1	NM_021356	528.14	1605.5	3.04
Add3: adducin 3 (gamma)	BM239842	713.87	2173.61	3.04
Pcdhb17: protocadherin beta 17	NM_053142	226.78	688.65	3.04
Mapk8ip2: mitogen-activated protein kinase 8 interacting protein 2	AF220195	148.09	450.08	3.04
Brd1: bromodomain, testis-specific	NM_054054	77.67	236.01	3.04
B3gal1: UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	NM_020283	55.09	167.74	3.04
Ebf4: early B-cell factor 4	BB333883	52.67	159.93	3.04
Socs3: suppressor of cytokine signaling 3	BB831725	58.71	177.64	3.03
Neto1: neuropilin (NRP) and tolloid (TLL)-like 1	AV346211	197.57	599.32	3.03
Arhgef10l: Rho guanine nucleotide exchange factor (GEF) 10-like	AV238183	156.21	473.53	3.03
Grik2: Glutamate receptor, ionotropic, kainate 2 (beta 2)	BB075484	110.81	335.69	3.03
Gdap1l1: ganglioside-induced differentiation-associated protein 1-like 1	BB733286	51.5	156.24	3.03
Pld2: phospholipase D2	NM_008876	225.7	682.74	3.02
Car8 /// LOC676792: carbonic anhydrase 8 /// similar to Carbonic anhydrase-related protein (CARP)	X61397	890.14	2684.22	3.02
AU041783: expressed sequence AU041783	BG068103	384.25	1161.99	3.02
Pcdh9: protocadherin 9	BB244656	756.04	2284.33	3.02
Dgki: Diacylglycerol kinase, iota	BB266350	75.31	227.35	3.02
1110065P19Rik /// 2310040A07Rik: RIKEN cDNA 1110065P19 gene /// RIKEN cDNA 2310040A07 g	BB772205	253.52	765.63	3.02
Jph3: junctophilin 3	NM_020605	66.45	199.74	3.01

Adhfe1: alcohol dehydrogenase, iron containing, 1	BC026584	223.35	672.72	3.01
5330439J01Rik: RIKEN cDNA 5330439J01 gene	BC027318	75.13	225.87	3.01
Hras13: HRAS like suppressor 3	BC024581	329.98	992.65	3.01
March8: membrane-associated ring finger (C3HC4) 8	AK005032	1109.58	3337.51	3.01
Dkk3: dickkopf homolog 3 (Xenopus laevis)	AK004853	132.94	399.37	3
Jmy: junction-mediating and regulatory protein	BF227962	251.57	754.96	3
Mm.194351.1	BQ174216	53.9	161.78	3
Phldb1: pleckstrin homology-like domain, family B, member 1	BC025856	489.78	1463.72	2.99
Mm.2655.8	AK012373	63.24	189.27	2.99
Abhd12: abhydrolase domain containing 12	BB178770	450.49	1345.39	2.99
Asxl3: additional sex combs like 3 (Drosophila)	BB762904	77.31	231.47	2.99
Tns3: tensin 3	BB499706	113.5	339.44	2.99
2900042E19Rik: RIKEN cDNA 2900042E19 gene	AK013639	53.26	158.74	2.98
Mm.132272.1	BM238675	94.47	281.51	2.98
Jam3: Junction adhesion molecule 3	BG070615	100.92	300.48	2.98
E130309F12Rik: RIKEN cDNA E130309F12 gene	AV320664	54.28	161.86	2.98
Ralgs1: Ral GEF with PH domain and SH3 binding motif 1	BM247829	221.25	658.14	2.97
Tub: tubby candidate gene	NM_021885	343.26	1016.54	2.96
Adhfe1: alcohol dehydrogenase, iron containing, 1	BC026584	356.84	1057.69	2.96
Mtm1: X-linked myotubular myopathy gene 1	BG976607	382.6	1132.57	2.96
Pcyt1a: phosphate cytidyltransferase 1, choline, alpha isoform	NM_009981	118.87	352.03	2.96
Slc7a2: solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	AV244175	367.16	1088.19	2.96
Id4: inhibitor of DNA binding 4	BB121406	1265.28	3735	2.95
Ipw: imprinted gene in the Prader-Willi syndrome region	AK019361	81.42	240.09	2.95
Sox8: SRY-box containing gene 8	AV345303	689.98	2025.47	2.94
Lrrn6c: leucine rich repeat neuronal 6C	BB125202	56.44	165.82	2.94
Bcan: brevican	NM_007529	1229.69	3603.96	2.93
Sema6a: sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	NM_018744	53.41	156.75	2.93
Timp2: tissue inhibitor of metalloproteinase 2	M93954	123.57	362.06	2.93
AB182283: cDNA sequence AB182283	A1429738	89.49	261.87	2.93
Gltp: glycolipid transfer protein	BC016584	881.97	2578.29	2.92
Gpr23: G protein-coupled receptor 23	AW493905	81.38	237.32	2.92
Lrrtm1: leucine rich repeat transmembrane neuronal 1	BB269910	82.39	240.35	2.92
5330421F07Rik: RIKEN cDNA 5330421F07 gene	AK019901	133.74	390.56	2.92
Camk2d: calcium/calmodulin-dependent protein kinase II, delta	AV346472	84.33	245.93	2.92
Sorbs1: sorbin and SH3 domain containing 1	NM_009166	104.73	305.12	2.91
Rbbp6: retinoblastoma binding protein 6	BC025874	215.72	628.41	2.91
Dpyd: dihydropyrimidine dehydrogenase	BC028831	67.38	195.99	2.91
Tmcc2: transmembrane and coiled-coil domains 2	AK004359	407.33	1184.12	2.91
Stom: stomatin	AF093620	158.74	461.81	2.91
Maf: avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	AV284857	417.67	1214.22	2.91
Kif13a: Kinesin family member 13A	BB040841	185.66	538.66	2.9
Lmbrd1: LMBR1 domain containing 1	AV370003	379.64	1099.13	2.9
Ppp1r14c: protein phosphatase 1, regulatory (inhibitor) subunit 14c	NM_133485	307.09	888.23	2.89
Pkcz: protein kinase C, zeta	NM_008860	107.43	309.95	2.89
Hrsp12: heat-responsive protein 12	AK005016	637.97	1842.4	2.89
Syne1: synaptic nuclear envelope 1	BI734306	131.58	380.32	2.89
Gabrg1: gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 1	AF156490	400.42	1157.95	2.89
5730508B09Rik: RIKEN cDNA 5730508B09 gene	C80506	125.78	363.45	2.89
LOC380843 /// Rbm24: similar to RNA binding motif protein 24 /// RNA binding motif protein 24	AW125876	53.52	154.54	2.89
Ntrk3: neurotrophic tyrosine kinase, receptor, type 3	BE692701	79.87	230.34	2.88
Pex19: peroxisome biogenesis factor 19	AV229364	102.34	294.41	2.88
Pcsk1n: proprotein convertase subtilisin/kexin type 1 inhibitor	AF181560	218.31	626.71	2.87
Abat: 4-aminobutyrate aminotransferase	BF462185	641.32	1840.06	2.87
Epb4.1: erythrocyte protein band 4.1	BB533969	121.32	347.63	2.87
5031439G07Rik: RIKEN cDNA 5031439G07 gene	BI408317	404.99	1161.58	2.87
Transcribed locus	BB495006	54.54	156.78	2.87
Gab1: growth factor receptor bound protein 2-associated protein 1	NM_021356	607.28	1735.35	2.86
Hist2h3c2: histone cluster 2, H3c2	BC015270	55.14	157.61	2.86
Epb4.1: erythrocyte protein band 4.1	BC017137	440.37	1258.42	2.86
Gja1: gap junction membrane channel protein alpha 1	BB142324	2071.36	5916.08	2.86
Skap2: src family associated phosphoprotein 2	BB753881	186.48	533.3	2.86
Zbtb16: zinc finger and BTB domain containing 16	AA419994	83.11	236.89	2.85
Strn: striatin, calmodulin binding protein	NM_011500	80.44	229.66	2.85
Sv2a: synaptic vesicle glycoprotein 2 a	BC026494	160.76	457.86	2.85
Fads2: fatty acid desaturase 2	BB229957	342.97	976.74	2.85
Mm.207272.1	BB090990	71.29	203.09	2.85
1200009O22Rik: RIKEN cDNA 1200009O22 gene	BC006619	77.56	220.1	2.84
Urm1: ubiquitin related modifier 1 homolog (S. cerevisiae)	AK012124	172.17	489.3	2.84
Dlgap1: discs, large (Drosophila) homolog-associated protein 1	BQ174338	170.07	483.73	2.84
Zfx1b: zinc finger homeobox 1b	BB244754	987.55	2801.14	2.84
Hsd12: hydroxysteroid dehydrogenase like 2	BM200015	599.79	1698.76	2.83
Sh3d19: SH3 domain protein D19	NM_012059	614.68	1738.66	2.83
Usp53: ubiquitin specific peptidase 53	BG076275	176.49	498.62	2.83
Transcribed locus	BB560961	131.68	372.32	2.83
Id4: Inhibitor of DNA binding 4	AI323288	412.91	1164.42	2.82
2900042E01Rik: RIKEN cDNA 2900042E01 gene	AK013637	296.64	835.62	2.82
AU022434: expressed sequence AU022434	BG068260	196.94	555.58	2.82
Hipk2: homeodomain interacting protein kinase 2	BB554636	866.49	2441.6	2.82
Malat1: metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	AW012617	305.36	857.72	2.81
Em1 /// LOC634102: echinoderm microtubule associated protein like 1 /// similar to echinoderm microtubule associated protein like 1	AK003593	110.16	309.53	2.81
1110012J17Rik: RIKEN cDNA 1110012J17 gene	BB795266	111.28	312.34	2.81
Atp8a1: ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	AW610650	438.39	1231.87	2.81
Nol4: nucleolar protein 4	AV338483	170.11	478.76	2.81
Aplp1: amyloid beta (A4) precursor-like protein 1	AI848048	765.18	2142.33	2.8
Fbxo32: F-box protein 32	AF441120	142.99	400.88	2.8
Elmo1: engulfment and cell motility 1, ced-12 homolog (C. elegans)	NM_080288	196.56	550.9	2.8
Ppp1r14c: protein phosphatase 1, regulatory (inhibitor) subunit 14c	AK013448	151.19	423.23	2.8
Pfcb1: phospholipase C, beta 1	BB794831	337.31	944.77	2.8

Snrpn: Small nuclear ribonucleoprotein N	BB264453	66.1	184.79	2.8
2010111I01Rik: RIKEN cDNA 2010111I01 gene	AV341977	70.87	198.6	2.8
F3: coagulation factor III	BC024886	299.83	835.4	2.79
Car8: carbonic anhydrase 8	BC010773	121.57	339.35	2.79
Tcf3: transcription factor 3	BE994269	262.58	732.37	2.79
Tef: thyrotroph embryonic factor	BB530740	69.7	194.3	2.79
Aldh6a1: aldehyde dehydrogenase family 6, subfamily A1	NM_134042	708.58	1973.76	2.79
Cnksr3: Cnksr family member 3	AV351864	638.81	1782.94	2.79
D19Ert409e: DNA segment, Chr 19, ERATO Doi 409, expressed	BG918834	297.63	830.34	2.79
Ddhd1: DDHD domain containing 1	BM226111	195.49	545.22	2.79
AU041783: expressed sequence AU041783	BG068103	228.21	636.53	2.79
Tcf7l2: transcription factor 7-like 2, T-cell specific, HMG-box	BB175494	577.93	1604.85	2.78
Grm3: glutamate receptor, metabotropic 3	AK002958	215.21	597.84	2.78
0610010D24Rik: RIKEN cDNA 0610010D24 gene	AK002458	88.76	247.16	2.78
LOC676640: region containing RIKEN cDNA 9630020C08 gene; neuron navigator 3	AW537064	149.89	415.99	2.78
B930095G15Rik: RIKEN cDNA B930095G15 gene	BB376007	130.08	361.87	2.78
Asrgl1: asparaginase like 1	AU040643	1192.81	3304.88	2.77
Zrsr1: zinc finger (CCHC type), RNA binding motif and serine/arginine rich 1	NM_011663	231.22	639.82	2.77
Fbxo44: F-box protein 44	AV174662	303.51	839.53	2.77
Gramd1c: GRAM domain containing 1C	AV255657	82.83	229.24	2.77
9830001H06Rik: RIKEN cDNA 9830001H06 gene	BB486539	261.35	723.38	2.77
Atp8a1: ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	AW610650	384.38	1066.05	2.77
Lgmn: legumain	NM_011175	501.12	1381.6	2.76
Slc7a2: solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	BF533509	59.8	164.89	2.76
Tmem28: transmembrane protein 28	AV016797	57.91	160.09	2.76
Pcdhb16: protocadherin beta 16	BB027682	75.71	208.73	2.76
Shroom2 /// LOC670546: shroom family member 2 /// similar to Apical-like protein (APXL protein)	BM119167	257.91	711.52	2.76
B230342M21Rik: RIKEN cDNA B230342M21 gene	NM_133898	117.21	322.19	2.75
2810021G02Rik: RIKEN cDNA 2810021G02 gene	AK012776	526.1	1444.91	2.75
Acsl3: acyl-CoA synthetase long-chain family member 3	AK012088	88.28	243.06	2.75
Tbl1xr1: Transducin (beta)-like 1X-linked receptor 1	BB667085	197.62	542.56	2.75
Mm.184898.1	AI851474	114.92	315.63	2.75
2010003O18Rik: RIKEN cDNA 2010003O18 gene	AI452045	87.33	240.59	2.75
Tagln3: transgelin 3	NM_019754	251.34	687.45	2.74
Pcp4: Purkinje cell protein 4	NM_008791	92.46	253.36	2.74
Ntrk3: Neurotrophic tyrosine kinase, receptor, type 3	BM245880	232.19	635.3	2.74
5730410E15Rik: RIKEN cDNA 5730410E15 gene	BB298720	210.97	577.81	2.74
Lmbrd1: LMBR1 domain containing 1	BM206793	340.52	931.05	2.73
Tnfrsf19: tumor necrosis factor receptor superfamily, member 19	NM_013869	211.46	576.97	2.73
Gpr137b /// LOC664862 /// LOC673335: G protein-coupled receptor 137B /// similar to transmembr	AK010724	199.96	545.98	2.73
Etohi1 /// 6230416C02Rik /// LOC667962 /// LOC668009: ethanol induced 1 /// RIKEN cDNA 62304	AK005093	437.61	1192.64	2.73
6030400A10Rik: RIKEN cDNA 6030400A10 gene	AK020045	116.28	317.34	2.73
Endod1: endonuclease domain containing 1	BI734389	109.86	300.36	2.73
Zfp608 /// D430007A19Rik: zinc finger protein 608 /// RIKEN cDNA D430007A19 gene	AV222442	485.73	1327.51	2.73
Magl2: Membrane associated guanylate kinase, WW and PDZ domain containing 2	BB337886	144.14	393.69	2.73
Ga17: Dendritic cell protein GA17	BB525437	78.63	214.6	2.73
Sox6: SRY-box containing gene 6	BB257593	1095.78	2992.67	2.73
AW125296: expressed sequence AW125296	BB304438	243	660.87	2.72
AW493225: Expressed sequence AW493225	BB314596	66.2	179.77	2.72
Arhgap23: Rho GTPase activating protein 23	BE988299	203.5	552.17	2.71
Asrgl1: asparaginase like 1	AU040643	938.6	2543.58	2.71
Hsd12: hydroxysteroid dehydrogenase like 2	BM200015	672.83	1822.2	2.71
Lrrn6a: leucine rich repeat neuronal 6A	BB078751	150.84	408.09	2.71
Gpr137b /// LOC664862 /// LOC673335: G protein-coupled receptor 137B /// similar to transmembr	AK009736	339.32	918.32	2.71
Stom: stomatin	BB782444	441.25	1197.72	2.71
Grf1: Glucocorticoid receptor DNA binding factor 1	AW556148	88.38	239.68	2.71
S100a13: S100 calcium binding protein A13	NM_009113	488.66	1320.84	2.7
Stom: stomatin	AF093620	411.98	1111.83	2.7
Cspg2: chondroitin sulfate proteoglycan 2	BM251152	893.57	2410.74	2.7
Atp8a1: ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	BQ176779	399.06	1078.13	2.7
Grf1: Glucocorticoid receptor DNA binding factor 1	AW556947	217.27	586.65	2.7
Smad7: MAD homolog 7 (Drosophila)	BB241324	144.08	389.23	2.7
Txn14: thioredoxin-like 4	NM_025299	65.39	176	2.69
Ube2d3: ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	AK009276	684.56	1840.64	2.69
Id4: inhibitor of DNA binding 4	BB121406	2093.89	5633.32	2.69
Slc14a1: solute carrier family 14 (urea transporter), member 1	AW556396	193.14	519.18	2.69
Lnx1: ligand of numb-protein X 1	BB131619	189.17	509.06	2.69
Mro: Maestro	BI076815	195	523.7	2.69
Ntrk2: neurotrophic tyrosine kinase, receptor, type 2	BQ174783	80.24	215.78	2.69
Sept7: Septin 7	BB283891	77.29	207.57	2.69
Eya1: eyes absent 1 homolog (Drosophila)	BB298032	67.7	182.36	2.69
Ephb1: Eph receptor B1	BQ176283	407.35	1094.79	2.69
Usp20: ubiquitin specific peptidase 20	AK006800	212	568.94	2.68
Gdpd3: glycerophosphodiester phosphodiesterase domain containing 3	NM_024228	150.7	403.14	2.68
2810402A17Rik: RIKEN cDNA 2810402A17 gene	AI448995	194.53	522.2	2.68
Entpd5: ectonucleoside triphosphate diphosphohydrolase 5	BB309883	212.95	570.17	2.68
H2afy2: H2A histone family, member Y2	BB396393	95.67	256.31	2.68
Transcribed locus	BE687857	130.27	349.45	2.68
4930589M24Rik: RIKEN cDNA 4930589M24 gene	AK016375	119.21	318.96	2.68
Fgf12: fibroblast growth factor 12	AF020738	112.37	300.39	2.67
4933439C20Rik: RIKEN cDNA 4933439C20 gene	AK007420	139.25	371.42	2.67
D430039N05Rik: RIKEN cDNA D430039N05 gene	BM117463	404.87	1080.83	2.67
Dock4: dedicator of cytokinesis 4	BG068753	311.23	831.05	2.67
Transcribed locus	BB340995	248.71	663.15	2.67
Txnip: thioredoxin interacting protein	AF173681	706.29	1877.77	2.66
Tmem47: Transmembrane protein 47	NM_138751	1377.61	3659.18	2.66
Gja1: gap junction membrane channel protein alpha 1	AV330726	2555.85	6791.56	2.66
Mm.25251.1	AU067772	252.83	673.16	2.66
Pcdh9: Protocadherin 9	BB750203	408.93	1088.98	2.66

Mtap1a: microtubule-associated protein 1 A	BB765000	192.05	511	2.66
Atp8a1: ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	BB303874	200.43	531.22	2.65
Ppap2b: phosphatidic acid phosphatase type 2B	NM_080555	2072.5	5489.17	2.65
Oprl1: opioid receptor-like 1	X91813	82.96	219.72	2.65
8430427H17Rik: RIKEN cDNA 8430427H17 gene	AK018446	520.56	1381.06	2.65
Eif2ak4: Eukaryotic translation initiation factor 2 alpha kinase 4	BM240005	74.55	197.56	2.65
5830407P18Rik: RIKEN cDNA 5830407P18 gene	AK017401	64.95	171.87	2.65
Usp2: ubiquitin specific peptidase 2	AI553394	141.92	374.97	2.64
Atp9a: ATPase, class II, type 9A	AF011336	268.88	710.38	2.64
Tspan9: tetraspanin 9	AK020159	638.37	1686.61	2.64
4930402H24Rik: RIKEN cDNA 4930402H24 gene	BB667775	548.58	1449.9	2.64
Nrxn2: neurexin II	BE949064	367.53	970.6	2.64
Rora: RAR-related orphan receptor alpha	BB306272	104.62	276.42	2.64
Transcribed locus	BE953350	79.44	210.08	2.64
Fads1: fatty acid desaturase 1	BB277583	256.81	677.29	2.64
Impact: imprinted and ancient	BB524087	130.16	343.79	2.64
Atp9a: ATPase, class II, type 9A	NM_015731	311.96	819.48	2.63
Tcf7l2: transcription factor 7-like 2, T-cell specific, HMG-box	BB175494	632.49	1665.58	2.63
Scamp5: secretory carrier membrane protein 5	BC018613	813.92	2140.45	2.63
Asah1: N-acylphingosine amidohydrolase (acid ceramidase)-like	BI106821	393.31	1034.74	2.63
3110057O12Rik: RIKEN cDNA 3110057O12 gene	AW061107	67.34	177.1	2.63
Brsk2: BR serine/threonine kinase 2	AK014760	286.03	751.73	2.63
Mm.37908.1	BB762627	61.86	162.4	2.63
A930005H10Rik: RIKEN cDNA A930005H10 gene	BF318375	106.95	281.47	2.63
Scn8a: Sodium channel, voltage-gated, type VIII, alpha	BB461850	95.9	251.9	2.63
Col16a1: procollagen, type XVI, alpha 1	BB766878	365.28	956.3	2.62
Abcc5: ATP-binding cassette, sub-family C (CFTR/MRP), member 5	AV150520	369.44	967.95	2.62
Fkbp15: FK506 binding protein 15	BG094421	255.16	668.05	2.62
Ttc9b: tetratricopeptide repeat domain 9B	AK013779	83.67	219.36	2.62
Mm.153994.1	BM934468	157.16	412.45	2.62
Sox21: SRY-box containing gene 21	BB046776	666.15	1745.28	2.62
Mm.212452.1	BB710847	105.61	276.94	2.62
0610040B10Rik: RIKEN cDNA 0610040B10 gene	BE198048	82.73	216.7	2.62
Ehd3: EH-domain containing 3	BM234719	157.36	411.34	2.61
Malat1: Metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	AF146523	3707.02	9668.97	2.61
Sycp3: Synaptonemal complex protein 3	BM899344	331.2	865.77	2.61
Gpr137b /// LOC664862: G protein-coupled receptor 137B /// similar to transmembrane 7 superfam	BB726971	550.76	1435.56	2.61
Timp2: tissue inhibitor of metalloproteinase 2	M93954	305.23	797.85	2.61
Arrb1: arrestin, beta 1	AK004614	130.34	340.35	2.61
9330182L06Rik: RIKEN cDNA 9330182L06 gene	AU067633	201.91	527.59	2.61
Rps6ka2: ribosomal protein S6 kinase, polypeptide 2	BB737182	92.26	239.96	2.6
Igfb4: immunoglobulin superfamily, member 4A	AK013775	331.25	860.32	2.6
Cpeb2: cytoplasmic polyadenylation element binding protein 2	AV231491	631.34	1642.34	2.6
Mmp16: matrix metalloproteinase 16	BB041237	110.55	287.65	2.6
Cyld: cylindromatosis (turban tumor syndrome)	AK013508	133.73	347.79	2.6
Rnf144: ring finger protein 144	BB125272	807.13	2096.46	2.6
Zfp608 /// D430007A19Rik: zinc finger protein 608 /// RIKEN cDNA D430007A19 gene	AV274175	241.1	625.65	2.6
Pkca: Protein kinase C, alpha	BB114415	74.78	194.31	2.6
Camsap1l1: calmodulin regulated spectrin-associated protein 1-like 1	BB528893	69.42	180.61	2.6
Hdlbp: high density lipoprotein (HDL) binding protein	C77256	212.46	550.87	2.59
Axl: AXL receptor tyrosine kinase	AA500897	222.34	576.76	2.59
Atp8a1: ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	BB303874	349.43	904.02	2.59
3100002L24Rik /// LOC627901 /// 0610010B08Rik /// LOC628084 /// LOC628147 /// LOC668030	BB283527	1128.14	2916.43	2.59
2310040A07Rik: RIKEN cDNA 2310040A07 gene	BB772205	451.96	1168.97	2.59
4930589M24Rik: RIKEN cDNA 4930589M24 gene	AK014044	262.56	680.22	2.59
Fchsd2: FCH and double SH3 domains 2	BB461848	969.88	2511.33	2.59
A1839402: expressed sequence A1839402	AI839402	130.65	338.11	2.59
Il6st: interleukin 6 signal transducer	BI102913	335.63	868.58	2.59
Lrrn6a: leucine rich repeat neuronal 6A	BQ176787	86.82	225.28	2.59
Rtn4: Reticulon 4	BB206454	359.64	931.74	2.59
Mmp16: matrix metalloproteinase 16	BB431535	84.71	219.42	2.59
D7Ert715e: DNA segment, Chr 7, ERATO Doi 715, expressed	BB077252	84.23	217.87	2.59
Gpr137b /// LOC664862: G protein-coupled receptor 137B /// similar to transmembrane 7 superfam	BB726971	695.21	1793.59	2.58
Glud1: glutamate dehydrogenase 1	NM_008133	1881.51	4857.15	2.58
Pde9a: phosphodiesterase 9A	NM_008804	657.54	1695.9	2.58
Cyld: cylindromatosis (turban tumor syndrome)	BM119209	112.6	290.56	2.58
Mm.160342.1	BM209124	173.43	447.5	2.58
Mxd1: MAX dimerization protein 1	AV228517	124.32	321.35	2.58
2610110G12Rik: RIKEN cDNA 2610110G12 gene	AK014265	486.47	1253.15	2.58
Cadps: Ca<2+>-dependent activator protein for secretion	AI462674	78.65	202.84	2.58
Mm.41368.1	AF096898	224.33	578.11	2.58
Igfb4: immunoglobulin superfamily, member 4A	NM_018770	797.63	2049.4	2.57
Fads2: fatty acid desaturase 2	NM_019699	1540.46	3962.82	2.57
Myo6: myosin VI	NM_008662	416.79	1073.09	2.57
Gja1: gap junction membrane channel protein alpha 1	BB043407	2028.46	5205.04	2.57
3100002L24Rik /// 9230108I15Rik /// LOC626832 /// 0610010B08Rik /// LOC628147 /// LOC66504	BB120894	184.49	474.07	2.57
Adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430514A06 product:unc	AV340255	161.97	415.85	2.57
BB045044: expressed sequence BB045044	BB045044	97.11	249.4	2.57
D630045J12Rik: RIKEN cDNA D630045J12 gene	BB503889	312.71	803.44	2.57
Lrrtm2: leucine rich repeat transmembrane neuronal 2	BB281991	234.25	601.05	2.57
Dynl12: dynein light chain LC8-type 2	NM_133796	1614.05	4137.15	2.56
Tsr2: TSR2, 20S rRNA accumulation, homolog (S. cerevisiae)	BQ177187	208.36	534.07	2.56
Abcc5: ATP-binding cassette, sub-family C (CFTR/MRP), member 5	AV150520	507.07	1299.06	2.56
Ncald: Neurocalcin delta	BB433324	253.52	648.35	2.56
Gja1: gap junction membrane channel protein alpha 1	M63801	3207.73	8187.03	2.55
Pcdcd4 /// LOC670861: programmed cell death 4 /// similar to programmed cell death 4	NM_011050	1056.3	2688.61	2.55
Cspg5: chondroitin sulfate proteoglycan 5	NM_013884	729.41	1860.47	2.55
Polr3f: polymerase (RNA) III (DNA directed) polypeptide F	AK014110	65.28	166.61	2.55
Zfp365: zinc finger protein 365	BB277790	178.87	455.78	2.55

Mm.205708.1	BE949437	166.85	425.73	2.55
Phactr1: phosphatase and actin regulator 1	BG228702	159.42	407.27	2.55
Elf1: E74-like factor 1	NM_007920	159.51	405.52	2.54
Slc6a9: solute carrier family 6 (neurotransmitter transporter, glycine), member 9	NM_008135	347.93	884.24	2.54
Dynll2: dynein light chain LC8-type 2	AY029255	1001.76	2544.9	2.54
Them4: thioesterase superfamily member 4	BC022612	139.2	353.28	2.54
2210409B22Rik: RIKEN cDNA 2210409B22 gene	BM207133	915.71	2321.61	2.54
C130076007Rik: RIKEN cDNA C130076007 gene	BB064688	257.29	652.5	2.54
Bfsp2: beaded filament structural protein 2, phakinin	BB753392	82.21	209.01	2.54
Dusp15: Dual specificity phosphatase-like 15	BB174864	164.49	418.11	2.54
2900022I03Rik: RIKEN cDNA 2900022I03 gene	BQ175321	329.06	837.31	2.54
AA388235: expressed sequence AA388235	AV347825	75.1	190.66	2.54
Tbl1x: Transducin (beta)-like 1 X-linked	BG075809	183.88	467.84	2.54
Gpm6a: Glycoprotein m6a	BB481606	99.73	253.16	2.54
Hist1h1c: histone cluster 1, H1c	NM_015786	1273.38	3226.83	2.53
Tspan15 /// LOC669875: tetraspanin 15 /// similar to Tetraspanin-15 (Tspan-15) (Transmembrane 4	BC003872	485.79	1228.04	2.53
Wipf1: WAS/WASL interacting protein family, member 1	C76969	278.58	704.13	2.53
H13: histocompatibility 13	BQ175993	77.15	195.19	2.53
Gfap: glial fibrillary acidic protein	BB750040	837.18	2120.3	2.53
Klhl5: Kelch-like 5 (Drosophila)	AI785329	112.24	284.1	2.53
BC002059: CDNA sequence BC002059	BB210733	87.55	221.23	2.53
Transcribed locus	BI737243	108.85	275.69	2.53
Snag1: sorting nexin associated golgi protein 1	AV344473	1265.22	3188.44	2.52
Scg3: secretogranin III	NM_009130	849.57	2139.8	2.52
2810410L24Rik: RIKEN cDNA 2810410L24 gene	BB493215	349.68	880.84	2.52
E030049G20Rik: RIKEN cDNA E030049G20 gene	BB536333	330.86	834.48	2.52
Camsap11: calmodulin regulated spectrin-associated protein 1-like 1	AK005444	935.59	2356.68	2.52
Caskin1: CASK interacting protein 1	BB371845	84.79	213.64	2.52
AA536749: expressed sequence AA536749	BB365879	247.67	623.01	2.52
Ap1s2: adaptor-related protein complex 1, sigma 2 subunit	BE655707	270.18	681.3	2.52
Glud1: glutamate dehydrogenase 1	NM_008133	2098.54	5275.48	2.51
Gpam: glycerol-3-phosphate acyltransferase, mitochondrial	NM_008149	1520.68	3815.41	2.51
Ppap2c: phosphatidic acid phosphatase type 2c	NM_015817	102.75	258.03	2.51
Trim24: tripartite motif protein 24	BB325847	67.03	168.53	2.51
Abtb1: ankyrin repeat and BTB (POZ) domain containing 1	NM_030251	71.8	179.53	2.5
Igfs4a: immunoglobulin superfamily, member 4A	NM_018770	1017.32	2545.66	2.5
Bace1: beta-site APP cleaving enzyme 1	AF200346	310.33	775.02	2.5
C1qtnf5 /// Mfrp: C1q and tumor necrosis factor related protein 5 /// membrane-type frizzled-relate	BC023068	113.78	284.98	2.5
Fads2: fatty acid desaturase 2	NM_019699	1767.93	4423.98	2.5
0710001D07Rik: RIKEN cDNA 0710001D07 gene	AK002941	90	224.95	2.5
1500035N22Rik: RIKEN cDNA 1500035N22 gene	AK005363	91.63	228.95	2.5
B930006L02Rik: RIKEN cDNA B930006L02 gene	BB699417	601.89	1506.06	2.5
Gpr23: G protein-coupled receptor 23	BB417145	161.49	403.39	2.5
6330439K17Rik: RIKEN cDNA 6330439K17 gene	AV328193	127.48	318.09	2.5
AU015680: expressed sequence AU015680	BB131588	132.73	331.48	2.5
Vcam1: vascular cell adhesion molecule 1	BB250384	521.07	1297.3	2.49
Glrb: glycine receptor, beta subunit	NM_010298	403.24	1004.84	2.49
Rims2: regulating synaptic membrane exocytosis 2	NM_053271	175.01	435.58	2.49
Parp3: poly (ADP-ribose) polymerase family, member 3	BC014870	72.6	181.13	2.49
Tln2 /// LOC639214: talin 2 /// similar to talin 2	AV270892	96.78	240.5	2.49
2810410L24Rik: RIKEN cDNA 2810410L24 gene	AK013071	198.26	494.19	2.49
Itpkc: inositol 1,4,5-trisphosphate 3-kinase C	BB529013	75.25	187.55	2.49
EG619719: predicted gene, EG619719	AV347067	82.83	205.94	2.49
Pcdhb11: Protocadherin beta 11	BB481932	73.87	184.07	2.49
2310005P05Rik: RIKEN cDNA 2310005P05 gene	NM_026189	142.47	353.32	2.48
Gabbr1 /// B230208N19Rik: gamma-aminobutyric acid (GABA-A) receptor, subunit beta 1 /// RIKEN	NM_008069	136.98	339.65	2.48
Rap2a: RAS related protein 2a	NM_029519	81.33	201.64	2.48
Endod1: endonuclease domain containing 1	BF168366	84.02	208.26	2.48
AW456874: expressed sequence AW456874	BB275142	154.86	383.82	2.48
Hist2h2aa2: histone cluster 2, H2aa2	BB360457	124.07	307.15	2.48
Mmp16: Matrix metalloproteinase 16	BB378819	115.71	287.36	2.48
Fgf12: fibroblast growth factor 12	BQ175704	89.3	221.8	2.48
Maml2: Mastermind like 2 (Drosophila)	BB469236	195.42	484.03	2.48
A130038J17Rik: RIKEN cDNA A130038J17 gene	BB157945	84.13	208.44	2.48
Zkscan1: zinc finger with KRAB and SCAN domains 1	AI509716	122.29	303.5	2.48
Ctnnd2: catenin (cadherin associated protein), delta 2	BB431091	685.87	1698.85	2.48
Rtkn: rhotekin	BC013820	349.51	863.21	2.47
Prei4: preimplantation protein 4	AV291259	783.87	1937.45	2.47
Tnk2: tyrosine kinase, non-receptor, 2	NM_016788	166.47	410.96	2.47
Cml3: camello-like 3	BB019121	104.03	256.97	2.47
Hist3h2a: histone cluster 3, H2a	AI848909	193.35	476.67	2.47
Rab32: RAB32, member RAS oncogene family	NM_026405	103	253.02	2.46
Apbb1: amyloid beta (A4) precursor protein-binding, family B, member 1	AF206720	302.99	744.58	2.46
Dnm3: dynamin 3	BC024584	297.7	732.66	2.46
Id2: inhibitor of DNA binding 2	BF019883	2234.01	5484.76	2.46
Sec23ip: Sec23 interacting protein	BE685845	432.97	1064.88	2.46
AW456874: expressed sequence AW456874	AV254040	215.17	528.71	2.46
Chrna4: cholinergic receptor, nicotinic, alpha polypeptide 4	BB557207	216.48	531.53	2.46
Parp8: poly (ADP-ribose) polymerase family, member 8	BC022679	118.96	290.9	2.45
Lrch3: leucine-rich repeats and calponin homology (CH) domain containing 3	BB763476	971.55	2377.76	2.45
Pcmt2: Protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	BG261527	94.22	230.55	2.45
Cpeb2: cytoplasmic polyadenylation element binding protein 2	BM935843	231.22	565.6	2.45
Csf2ra: colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	BM941868	77.69	189.22	2.44
Zfp503: zinc finger protein 503	BB447914	236.08	576.29	2.44
S100a4: S100 calcium binding protein A4	D00208	405.25	990.67	2.44
Gja1: gap junction membrane channel protein alpha 1	BB039269	3758.34	9172.99	2.44
Igfs4b: immunoglobulin superfamily, member 4B	AY059393	208.17	507.35	2.44
6620401M08Rik: RIKEN cDNA 6620401M08 gene	BF011349	242.62	592.61	2.44
AW456874: expressed sequence AW456874	AV254040	202.65	495.3	2.44

Eps8: Epidermal growth factor receptor pathway substrate 8	BM213788	92.07	224.9	2.44
Dgkb: diacylglycerol kinase, beta	BB279524	152.32	372.08	2.44
Prdx6: peroxiredoxin 6	BB796358	2265.48	5509.15	2.43
2700079J08Rik: RIKEN cDNA 2700079J08 gene	AA798895	760.89	1852.73	2.43
Cpeb3: cytoplasmic polyadenylation element binding protein 3	BB249892	115.58	280.94	2.43
Itih3: inter-alpha trypsin inhibitor, heavy chain 3	NM_008407	176.26	428.76	2.43
Scamp5: secretory carrier membrane protein 5	NM_020270	165	401.01	2.43
Vcam1: vascular cell adhesion molecule 1	L08431	186.25	452.4	2.43
2310002J21Rik: RIKEN cDNA 2310002J21 gene	A1642124	1377.1	3343.38	2.43
Accn2: amiloride-sensitive cation channel 2, neuronal	BQ176072	121.53	295.75	2.43
Camk2d: calcium/calmodulin-dependent protein kinase II, delta	BG074866	82.12	199.93	2.43
Abhd4: abhydrolase domain containing 4	NM_134076	1344.63	3258.61	2.42
Lxn: latexin	NM_016753	2462.61	5947.98	2.42
Paps2: 3'-phosphoadenosine 5'-phosphosulfate synthase 2	BF786072	95.77	232	2.42
Sorbs1: sorbin and SH3 domain containing 1	BB737680	1253.43	3036.13	2.42
Adcyap1r1: adenylate cyclase activating polypeptide 1 receptor 1	BB427884	365.3	883.88	2.42
Arhgef10: Rho guanine nucleotide exchange factor (GEF) 10	AV345051	101.72	246.51	2.42
1110051B16Rik: RIKEN cDNA 1110051B16 gene	AK004227	161.78	392.3	2.42
Tom1l2: target of myb1-like 2 (chicken)	BG072270	588.41	1424.05	2.42
Btb9: BTB (POZ) domain containing 9	BQ175196	232.99	563.93	2.42
Ptprt: protein tyrosine phosphatase, receptor type, T	BB384963	291.87	707.47	2.42
Transcribed locus	BM933678	98.17	237.99	2.42
Gipc1: GIPC PDZ domain containing family, member 1	NM_018771	586.95	1415.27	2.41
Klf15: Kruppel-like factor 15	BC013486	454.25	1094.59	2.41
Lrrtm2: leucine rich repeat transmembrane neuronal 2	BB333692	97.65	234.89	2.41
Bbs1: Bardet-Biedl syndrome 1 homolog (human)	BB121315	162.98	393.18	2.41
0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230071G16 product:uncl	AK014466	76.25	184.09	2.41
Rdh5: retinol dehydrogenase 5	NM_134006	305.23	733.59	2.4
Tspan7: tetraspanin 7	AF052492	1751.05	4201.75	2.4
Cpeb4: cytoplasmic polyadenylation element binding protein 4	NM_026252	89.64	215.36	2.4
Lrrc4: leucine rich repeat containing 4	BB332932	133.97	321.58	2.4
E330018D03Rik: RIKEN cDNA E330018D03 gene	BB555250	172.12	413.85	2.4
Nlgn1: neuroligin 1	BB702951	204.9	490.82	2.4
Tspsy4: TSPY-like 4	BC017540	992.26	2372.23	2.39
Prss23: protease, serine, 23	AK009847	323.71	772.94	2.39
Tnk2 /// LOC672286: tyrosine kinase, non-receptor, 2 /// similar to Activated CDC42 kinase 1 (ACK-	NM_016788	692.04	1656.25	2.39
Pdk2: pyruvate dehydrogenase kinase, isoenzyme 2	NM_133667	105.12	250.96	2.39
Adcyap1r1: adenylate cyclase activating polypeptide 1 receptor 1	AK013587	1462.22	3500.97	2.39
Slc35d1: Solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter)	A1642520	128.49	307.33	2.39
Jmjd1c: jumonji domain containing 1C	B1155864	258.04	616.21	2.39
Nlgn3: neuroligin 3	BB308872	101.23	242.33	2.39
Amy2: Amylase 2, pancreatic	BB667309	169.31	404.84	2.39
Glrb: glycine receptor, beta subunit	BB345174	724.49	1729.35	2.39
Snta1: syntrophin, acidic 1	NM_009228	205.07	489.06	2.38
Tprkb: Tp53rk binding protein	BC027162	1127.94	2685	2.38
BC011467: cDNA sequence BC011467	BC025823	150.04	357.56	2.38
Kif13a: kinesin family member 13A	AB037923	182.57	433.93	2.38
D14Ert449e: DNA segment, Chr 14, ERATO Doi 449, expressed	BG072279	320.43	762.35	2.38
Adult male cecum cDNA, RIKEN full-length enriched library, clone:9130204C03 product:unclassified	BF466929	158.38	376.27	2.38
Gm237: gene model 237, (NCBI)	BB667109	978.85	2333.71	2.38
Sema6a: sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	A1606937	525.29	1250.74	2.38
Pcdh17: protocadherin 17	BQ176938	220.3	524.55	2.38
Camk2d: calcium/calmodulin-dependent protein kinase II, delta	BB373572	115.19	274.51	2.38
Adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone:6330531L09 product:u	AV332226	148.69	353.93	2.38
Akap13: A kinase (PRKA) anchor protein 13	AW045983	104.84	249.93	2.38
Adam23: a disintegrin and metallopeptidase domain 23	AV350138	139.53	331.59	2.38
Strn: striatin, calmodulin binding protein	BG070684	860.21	2044.71	2.38
Ntrk3: neurotrophic tyrosine kinase, receptor, type 3	NM_008746	142.75	337.62	2.37
Tprkb: Tp53rk binding protein	BC024858	477.29	1130.86	2.37
Id1: inhibitor of DNA binding 1	U43884	778.16	1843.12	2.37
Senp6: SUMO/sentrin specific peptidase 6	BG066990	95.93	227.35	2.37
Cdc37l1: cell division cycle 37 homolog (S. cerevisiae)-like 1	BE824561	717.77	1697.89	2.37
Lrrn3: leucine rich repeat protein 3, neuronal	AI852420	417.39	991.14	2.37
2310028011Rik: RIKEN cDNA 2310028011 gene	AV290535	199.68	474.12	2.37
Mm.35625.1	BF730541	420.58	997.68	2.37
Rab39b: RAB39B, member RAS oncogene family	AK020665	209.41	497.25	2.37
Pacs2: phosphofurin acidic cluster sorting protein 2	BI412345	577.1	1359.9	2.36
Vps13b /// LOC666173 /// LOC669978: vacuolar protein sorting 13B (yeast) /// similar to vacuolar p	AW109785	371.01	874.33	2.36
Vps33a: vacuolar protein sorting 33A (yeast)	BF467999	131.92	311.32	2.36
Acss1: acyl-CoA synthetase short-chain family member 1	NM_080575	586.32	1375.94	2.35
Islr: immunoglobulin superfamily containing leucine-rich repeat	NM_012043	230.32	542.24	2.35
Wasf1: WASP family 1	NM_031877	1764.68	4142.57	2.35
Paqr4: progesterin and adipoQ receptor family member IV	BB279185	295.44	692.94	2.35
Hist1h1c: histone cluster 1, H1c	AW741575	135.58	318.5	2.35
Wdr20a: WD repeat domain 20a	NM_027149	327.4	769.36	2.35
1700128E19Rik: RIKEN cDNA 1700128E19 gene	AK007309	96.97	227.45	2.35
Mm.121905.1	BB189640	693.05	1630.18	2.35
Aut2: Autism susceptibility candidate 2	BB051515	93.98	220.66	2.35
Prkca: Protein kinase C, alpha	BB162460	152.67	358.07	2.35
Ube2e2: Ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	BE981615	84.57	198.46	2.35
2610035D17Rik: RIKEN cDNA 2610035D17 gene	BB760848	142.49	335.41	2.35
Trio: Triple functional domain (TPRF interacting)	AW553130	76.14	178.59	2.35
5730420B22Rik: RIKEN cDNA 5730420B22 gene	BC027108	560.53	1313.29	2.34
Atg7: autophagy-related 7 (yeast)	AW549826	99.59	233.31	2.34
Ecel1: endothelin converting enzyme 1	AW553715	76.96	180.18	2.34
Ptplb: protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	BG067863	155.18	362.63	2.34
H13: histocompatibility 13	BB327773	103.17	240.96	2.34
Klf12: Kruppel-like factor 12	BM249597	765.05	1790.99	2.34
Mm.192151.1	BE948333	228.33	534.14	2.34

CDNA clone IMAGE:5690974	BB604994	141.44	330.29	2.34
Ppm1k: protein phosphatase 1K (PP2C domain containing)	AK013741	279.1	652.59	2.34
C130057M05Rik: RIKEN cDNA C130057M05 gene	BB371179	95.54	224	2.34
Entpd5: ectonucleoside triphosphate diphosphohydrolase 5	NM_007647	364.24	848.21	2.33
Fhl2: four and a half LIM domains 2	NM_010212	204.78	476.39	2.33
Pygb: brain glycogen phosphorylase	AW547988	1271.27	2959.28	2.33
Lgi4: leucine-rich repeat LGI family, member 4	BB756793	83.85	195.32	2.33
Lrrc16: leucine rich repeat containing 16	BC012229	309.67	720.44	2.33
Depdc6: DEP domain containing 6	AK014624	76.7	178.98	2.33
4930402H24Rik: RIKEN cDNA 4930402H24 gene	AK015050	344.16	801.26	2.33
4921505C17Rik: RIKEN cDNA 4921505C17 gene	BM123174	181.64	423.18	2.33
2810021J22Rik: RIKEN cDNA 2810021J22 gene	BB620330	168.13	391.39	2.33
Cd82: CD82 antigen	NM_007656	120.94	280.78	2.32
LOC664862: similar to transmembrane 7 superfamily member 1	AK010724	116.33	270.21	2.32
Igsf4c: immunoglobulin superfamily, member 4C	AY059394	1787.27	4145.7	2.32
Tsc22d4: TSC22 domain family 4	NM_023910	2311.62	5368.93	2.32
3110001I20Rik: RIKEN cDNA 3110001I20 gene	NM_133725	1552.18	3608.41	2.32
Ptplad1: protein tyrosine phosphatase-like A domain containing 1	BM950003	914.87	2120.04	2.32
8430427H17Rik: RIKEN cDNA 8430427H17 gene	AK018446	170.06	394.24	2.32
Sorbs1: sorbin and SH3 domain containing 1	BQ176684	1458.39	3376.64	2.32
E030016H06Rik: RIKEN cDNA E030016H06 gene	BB531351	172.77	400.15	2.32
Csmd1: CUB and Sushi multiple domains 1	BB385992	79.29	183.86	2.32
2900011O08Rik: RIKEN cDNA 2900011O08 gene	BC022741	410.72	947.19	2.31
Hipk2: homeodomain interacting protein kinase 2	AF170301	875.7	2018.63	2.31
Tmem181: Transmembrane protein 181	BG093881	135.1	312.36	2.31
Cttnbp2: cortactin binding protein 2	BB357317	83.65	193.17	2.31
Cttnbp2: cortactin binding protein 2	BB357580	364.09	840.68	2.31
Glo1: glyoxalase 1	BM933153	117.47	271.01	2.31
Bmpr1b: bone morphogenetic protein receptor, type 1B	BB698679	398.44	920.1	2.31
A1875142: expressed sequence A1875142	BB355213	497.67	1150.75	2.31
Centd1: Centaurin, delta 1	BB211194	103.81	240.19	2.31
Snap91: synaptosomal-associated protein 91	NM_013669	553.36	1270.81	2.3
Cyp7b1: cytochrome P450, family 7, subfamily b, polypeptide 1	NM_007825	166.61	382.99	2.3
Ddb2: damage specific DNA binding protein 2	AY027937	124.56	285.9	2.3
Itsn1: intersectin 1 (SH3 domain protein 1A)	BM248471	447.33	1026.93	2.3
Smarca2: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a,	BM230202	105.42	242.48	2.3
Osbpl1a: oxysterol binding protein-like 1A	NM_020573	661.56	1522.21	2.3
Grasp: GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	NM_019518	90.78	208.48	2.3
Rgma: RGM domain family, member A	BB827685	217.2	499.77	2.3
Daam2: dishevelled associated activator of morphogenesis 2	BM206030	161.51	372.08	2.3
Transcribed locus	A1662750	142.4	327.89	2.3
Dner: delta/notch-like EGF-related receptor	AF370126	1067.52	2447.64	2.29
Apbb1: amyloid beta (A4) precursor protein-binding, family B, member 1	AF206720	651.38	1494.39	2.29
Xpr1: xenotropic and polytropic retrovirus receptor 1	AF131102	134.09	306.99	2.29
Mm.56309.1	BQ174081	95.79	218.97	2.29
C330002I19Rik: RIKEN cDNA C330002I19 gene	AK021172	110.32	252.8	2.29
Ap1gbbp1: AP1 gamma subunit binding protein 1	BQ175330	130.47	298.37	2.29
A1450236: expressed sequence A1450236	A1450236	291.1	666.56	2.29
6030451C04Rik: RIKEN cDNA 6030451C04 gene	BB040767	221.15	505.92	2.29
Grina: glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	NM_023168	551.17	1258.41	2.28
Chga: chromogranin A	NM_007693	89.12	203.11	2.28
Ppnr: per-pentamer repeat gene	NM_012022	86.45	196.82	2.28
Kcna6: potassium voltage-gated channel, shaker-related, subfamily, member 6	NM_013568	126.42	288.35	2.28
Ina: internexin neuronal intermediate filament protein, alpha	BC018383	147.22	335.35	2.28
2310022B05Rik: RIKEN cDNA 2310022B05 gene	BI328156	1478.27	3367.32	2.28
Peli1: pellino 1	AK020915	242.92	554.86	2.28
Transcribed locus, strongly similar to XP_990343.1 hypothetical protein [Mus musculus]	AV303202	138.57	316.61	2.28
Tcf7l2: Transcription factor 7-like 2, T-cell specific, HMG-box	BI499715	130.35	296.78	2.28
Mm.59170.1	AW123227	149.99	342.39	2.28
1110051B16Rik: RIKEN cDNA 1110051B16 gene	AV321065	230.93	525.83	2.28
2610020C11Rik: RIKEN cDNA 2610020C11 gene	AK011480	248.65	566.16	2.28
Pdhx: Pyruvate dehydrogenase complex, component X	BM238649	117.63	268.43	2.28
Mm.206843.1	C76618	269.46	610.71	2.27
Npc1: Niemann Pick type C1	BB769209	352.54	801.72	2.27
Cpxm1: carboxypeptidase X 1 (M14 family)	NM_019696	310.72	704.94	2.27
Clock: circadian locomotor output cycles kaput	AV290890	205.16	466.02	2.27
Ick: intestinal cell kinase	AK008991	166.25	376.58	2.27
Osbpl1a: oxysterol binding protein-like 1A	NM_020573	374.1	845.81	2.26
Atp8b1: ATPase, class I, type 8B, member 1	A1645547	87.48	197.36	2.26
Dab1: disabled homolog 1 (Drosophila)	BB644109	195.03	440.86	2.26
B230112C05Rik: RIKEN cDNA B230112C05 gene	BB476773	138.74	313.15	2.26
2810416A17Rik: RIKEN cDNA 2810416A17 gene	AK013094	280.06	633.09	2.26
Adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230306E21 produ	BB308630	98.53	222.64	2.26
Mm.208960.1	BB386853	85.77	193.85	2.26
Tmem181: Transmembrane protein 181	BG076066	123.5	279.47	2.26
C77713: expressed sequence C77713	BB767153	119.47	269.6	2.26
Lamp2: lysosomal membrane glycoprotein 2	NM_010685	954.83	2143.65	2.25
Col4a5: procollagen, type IV, alpha 5	BM250666	237.45	533.33	2.25
BC005471: cDNA sequence BC005471	BC005471	182.72	410.45	2.25
Itsn1: intersectin 1 (SH3 domain protein 1A)	AA172344	312.84	704.77	2.25
2810416G20Rik: RIKEN cDNA 2810416G20 gene	A1119761	211.64	476.45	2.25
Btbd9: BTB (POZ) domain containing 9	AV232817	170.82	383.59	2.25
0 day neonate head cDNA, RIKEN full-length enriched library, clone:4833431M13 product:unclassifia	AV251542	760.21	1712.8	2.25
Auh: AU RNA binding protein/enoyl-coenzyme A hydratase	NM_016709	167.8	375.41	2.24
Dep1: diabetic embryopathy 1	BB626684	501.27	1125.08	2.24
Ppap2b: phosphatidic acid phosphatase type 2B	AW111876	3062.23	6847.72	2.24
Myo6: myosin VI	BE133806	898.15	2015.28	2.24
Wipf1: WAS/WASL interacting protein family, member 1	C76969	256.32	573.24	2.24
Mm.169240.1	AK020483	1443.1	3233.6	2.24



Ddhd1: DDHD domain containing 1	BB132393	118.56	265.4	2.24
Eya1: eyes absent 1 homolog (Drosophila)	BB760085	308.28	691.15	2.24
Pcdhb19: protocadherin beta 19	NM_053144	93.25	207.78	2.23
Cdc37l1: cell division cycle 37 homolog (S. cerevisiae)-like 1	AK016651	285.74	636.97	2.23
Eml5: echinoderm microtubule associated protein like 5	AV230748	172.74	384.89	2.23
Sash1: SAM and SH3 domain containing 1	BI658899	1709.5	3803.89	2.23
Jundm2: Jun dimerization protein 2	NM_030887	227.07	506.26	2.23
Gprc5b: G protein-coupled receptor, family C, group 5, member B	BC020004	620.56	1385.78	2.23
1110003F05Rik: RIKEN cDNA 1110003F05 gene	BB659256	1308.78	2913.74	2.23
Cd109: CD109 antigen	AV246882	448.92	999.29	2.23
Ddx26b: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	BM239943	183.12	407.93	2.23
12 days embryo spinal ganglion cDNA, RIKEN full-length enriched library, clone:D130065P14 produc	BB460243	331.47	740.48	2.23
12 days embryo eyeball cDNA, RIKEN full-length enriched library, clone:D230024G22 product:unclas	BB408626	189.3	421.83	2.23
D630040G17Rik /// LOC622675: RIKEN cDNA D630040G17 gene /// similar to zinc finger protein 64	BB346556	188.49	421.15	2.23
Maao: monoamine oxidase A	AV356118	347.84	776.45	2.23
Alox12e: arachidonate lipoxygenase, epidermal	BM116762	84.97	189.38	2.23
Zfpm2: Zinc finger protein, multitype 2	BB248611	98.91	220.59	2.23
Ntrk2: neurotrophic tyrosine kinase, receptor, type 2	AK018789	1947.14	4323.35	2.22
5133401N09Rik: RIKEN cDNA 5133401N09 gene	BC026742	404.63	900.21	2.22
6330442E10Rik: RIKEN cDNA 6330442E10 gene	AV328515	159	353.61	2.22
Agpat3: 1-acylglycerol-3-phosphate O-acyltransferase 3	AV296997	358.87	797.14	2.22
B930006L02Rik: RIKEN cDNA B930006L02 gene	BB699417	284.83	631.63	2.22
Ctnna2: Catenin (cadherin associated protein), alpha 2	BG073826	111.06	246.35	2.22
Maf: avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	AV323441	117.82	261.95	2.22
2410024N18Rik: RIKEN cDNA 2410024N18 gene	AK010587	132.17	292.85	2.22
Malat1: Metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA)	AF146523	3537.81	7836.17	2.21
Tax1bp1: Tax1 (human T-cell leukemia virus type I) binding protein 1	C85320	188.65	416.83	2.21
9130208E07Rik: RIKEN cDNA 9130208E07 gene	BC026435	163.47	360.88	2.21
Cxx1c: CAAX box 1 homolog C (human)	NM_028375	253.87	560.76	2.21
Bicd1: bicaudal D homolog 1 (Drosophila)	BC016192	168.13	372.4	2.21
BB128963: expressed sequence BB128963	BG071933	638.27	1407.84	2.21
Ralgds: ral guanine nucleotide dissociation stimulator	NM_009058	369.57	817.23	2.21
1110003O08Rik: RIKEN cDNA 1110003O08 gene	AK003388	168.77	372.33	2.21
Camsap111: calmodulin regulated spectrin-associated protein 1-like 1	AK005444	1158.39	2558.96	2.21
2810013P06Rik: RIKEN cDNA 2810013P06 gene	BM246000	123.95	274.29	2.21
1500005P14Rik: RIKEN cDNA 1500005P14 gene	BQ174720	1233.75	2732	2.21
Ptprn2: Protein tyrosine phosphatase, receptor type, N polypeptide 2	BI794694	174.26	385.54	2.21
Trio: Triple functional domain (PTPRF interacting)	BG066763	307.34	678.05	2.21
D430039N05Rik: RIKEN cDNA D430039N05 gene	BE980088	691.16	1527.8	2.21
LOC669787: similar to Protein enabled homolog (NPC-derived proline-rich protein 1) (NDPP-1)	BM205932	239.52	528.87	2.21
Kif13a: kinesin family member 13A	BF166390	483	1066.95	2.21
Zfyve27: zinc finger, FYVE domain containing 27	BB780581	136.22	300.46	2.21
AA591059: Expressed sequence AA591059	BQ031479	746.34	1651.39	2.21
Anxa7: annexin A7	BC008997	97.54	215.03	2.2
Acaa1a /// Acaa1b: acetyl-Coenzyme A acyltransferase 1A /// acetyl-Coenzyme A acyltransferase 1E	NM_130864	379.97	837.75	2.2
Nap15: nucleosome assembly protein 1-like 5	NM_021432	1392.7	3057.3	2.2
Gprc5b: G protein-coupled receptor, family C, group 5, member B	BC020004	436.93	959.8	2.2
Rab4a: RAB4A, member RAS oncogene family	NM_009003	286.09	629.75	2.2
Elov4: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	BB829575	341.43	752.36	2.2
Gria2: glutamate receptor, ionotropic, AMPA2 (alpha 2)	BB749143	764.08	1679.87	2.2
Gpr23: G protein-coupled receptor 23	BB297502	139.36	306.24	2.2
Zfp609: Zinc finger protein 609	BB533591	174.21	383.33	2.2
Thsd4: thrombospondin, type I, domain containing 4	BB211377	165.53	364.09	2.2
Zfp182: zinc finger protein 182	BM248637	114.17	250.62	2.2
Mccc1: methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	NM_023644	269.78	590.08	2.19
Mkrm1: makorin, ring finger protein, 1	BQ176661	436.3	956.83	2.19
Sgip1: SH3-domain GRB2-like (endophilin) interacting protein 1	AV344708	166.84	365.26	2.19
Lrp1: low density lipoprotein receptor-related protein 1	NM_008512	509.73	1117.18	2.19
Xpr1: xenotropic and polytropic retrovirus receptor 1	AA215024	324.48	710.23	2.19
Thra: thyroid hormone receptor alpha	BI076689	1497.28	3276.53	2.19
Ldhd: lactate dehydrogenase B	AV216324	1406.72	3081.12	2.19
A930009E05Rik: RIKEN cDNA A930009E05 gene	BB125806	354.21	775.89	2.19
Cdc2l6: cell division cycle 2-like 6 (CDK8-like)	BB510904	385.47	844.24	2.19
1110003E01Rik: RIKEN cDNA 1110003E01 gene	BB701294	407.47	893.92	2.19
Lrrtm2: Leucine rich repeat transmembrane neuronal 2	AI851755	199.88	437.62	2.19
Papola: Poly (A) polymerase alpha	AU040876	184.12	402.61	2.19
6720467C03Rik: RIKEN cDNA 6720467C03 gene	AV350862	185.4	406.32	2.19
Apba1: amyloid beta (A4) precursor protein binding, family A, member 1	BQ174146	149.43	326.85	2.19
Elov4: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	BB829575	472.67	1030.46	2.18
Itp2: inositol 1,4,5-triphosphate receptor 2	BC013815	261.01	568.7	2.18
Mlc1: megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	NM_133241	1339.35	2914.28	2.18
Sept4: septin 4	NM_011129	94.5	206.32	2.18
Kcnk2: potassium channel, subfamily K, member 2	NM_010607	572.46	1249.03	2.18
4732435N03Rik: RIKEN cDNA 4732435N03 gene	AV371987	100.11	218.39	2.18
Socs3: suppressor of cytokine signaling 3	BB241535	141.51	308.58	2.18
Cyld: cylindromatosis (turban tumor syndrome)	BM119209	198.07	431.86	2.18
Marcks: Myristoylated alanine rich protein kinase C substrate	AV304251	135.87	296.79	2.18
Trp53bp2: transformation related protein 53 binding protein 2	BB814564	229.35	499.5	2.18
Tmcc1: transmembrane and coiled coil domains 1	BB137519	106.05	231.19	2.18
Tmem58: transmembrane protein 58	BF468228	404.3	882.06	2.18
Dleu2: Deleted in lymphocytic leukemia, 2	BG069906	237.99	518.25	2.18
Gm88: gene model 88, (NCBI)	BB026554	86.36	188.46	2.18
Ulk2: Unc-51 like kinase 2 (C. elegans)	NM_013881	643.59	1398.83	2.17
2810432L12Rik: RIKEN cDNA 2810432L12 gene	BC013800	358.57	776.68	2.17
Cask: calcium/calmodulin-dependent serine protein kinase (MAGUK family)	Y17137	605.02	1315.17	2.17
RP23-136K12.4: putative phosphatase	BB530223	85.63	186.12	2.17
Chst11 /// Phactr1: carbohydrate sulfotransferase 11 /// phosphatase and actin regulator 1	AV259240	161	348.64	2.17
Ccp1: cell cycle progression 1	C85100	246.43	535.1	2.17
Rwdd2: RWD domain containing 2	AK006533	104.41	227.04	2.17

D430041D05Rik: RIKEN cDNA D430041D05 gene	AU067644	159.98	347.79	2.17
2700008G24Rik: RIKEN cDNA 2700008G24 gene	AW495672	115.85	250.97	2.17
Otdp7b: OTU domain containing 7B	BM235074	118.17	256.62	2.17
Gdap11: ganglioside-induced differentiation-associated protein 1-like 1	BC019941	217.27	469.14	2.16
Hipk2: homeodomain interacting protein kinase 2	AF208292	551.38	1190.25	2.16
Trio: triple functional domain (PTPRF interacting)	BB080177	1348.72	2919.28	2.16
Pcmttd1: protein-L-isospartate (D-aspartate) O-methyltransferase domain containing 1	BB549335	341.84	738.05	2.16
Vcam1: vascular cell adhesion molecule 1	BB250384	1027.7	2218.78	2.16
Ldhd: lactate dehydrogenase B	NM_008492	1585.66	3417.27	2.16
Ngef: neuronal guanine nucleotide exchange factor	NM_019867	156.68	338.05	2.16
Naga: N-acetyl galactosaminidase, alpha	BC021631	172.58	372.38	2.16
Mpz1: myelin protein zero-like 1	AK003513	1156.58	2495.73	2.16
Maml2: Mastermind like 2 (Drosophila)	BB209820	279.19	603.5	2.16
AW049604: expressed sequence AW049604	BB804965	326.8	701.97	2.15
Ctnn1: catenin (cadherin associated protein), alpha-like 1	BQ031240	184.84	397.73	2.15
Gria2: glutamate receptor, ionotropic, AMPA2 (alpha 2)	NM_013540	1192.2	2567.56	2.15
Map4k5: mitogen-activated protein kinase kinase kinase kinase 5	BG067961	627.5	1351.21	2.15
Bcas3: breast carcinoma amplified sequence 3	AK011603	180.42	388.29	2.15
Rap2b: RAP2B, member of RAS oncogene family	BB645629	367.21	789.53	2.15
Dicer1: Dicer1, Dcr-1 homolog (Drosophila)	BM208197	371.71	799.06	2.15
Mgat5: mannoside acetylglucosaminyltransferase 5	AK015544	946.7	2039.63	2.15
Tmcc1: transmembrane and coiled coil domains 1	AI506779	241.63	520.49	2.15
Epha5: Eph receptor A5	NM_007937	115.58	247.06	2.14
Rprm: reprimin, TP53 dependent G2 arrest mediator candidate	NM_023396	689.74	1478.55	2.14
Reep3: receptor accessory protein 3	AK005026	1035.87	2218.17	2.14
D130054N24Rik: RIKEN cDNA D130054N24 gene	AV254847	331.98	709.57	2.14
D130054N24Rik: RIKEN cDNA D130054N24 gene	NM_008869	269.58	576.61	2.14
Cla2g4a: phospholipase A2, group IVA (cytosolic, calcium-dependent)	BC025112	136.76	292.68	2.14
Pyhr1: cysteine and histidine rich 1	BC022959	350.77	752.11	2.14
Acs16: acyl-CoA synthetase long-chain family member 6	BB279767	279.21	596.14	2.14
9130404D08Rik: RIKEN cDNA 9130404D08 gene	BB782729	304.82	653.72	2.14
Slitrk5: SLIT and NTRK-like family, member 5	BM233265	228.33	487.78	2.14
Usp3: ubiquitin specific peptidase 3	BM121149	879.43	1877.94	2.14
Peli2: pellino 2	BB448266	147.6	315.44	2.14
D030065N23Rik: RIKEN cDNA D030065N23 gene	AW542748	130.95	280.69	2.14
A1848218: expressed sequence A1848218	BM238642	123.47	264.65	2.14
Mm.215460.1	BB247577	204.82	435.75	2.13
AU042671: expressed sequence AU042671	BB337121	174.53	371.7	2.13
Peli2: pellino 2	BB698249	141.82	302.12	2.13
3 days neonate thymus cDNA, RIKEN full-length enriched library, clone:A630033C13 product:unclassified	BE945021	141.32	300.57	2.13
Transcribed locus	BM234464	197.5	421.59	2.13
Ppap2b: Phosphatidic acid phosphatase type 2B	AV278072	813.6	1729.1	2.13
Mm.189645.1	BI734045	203.28	432.98	2.13
6430547I21Rik: RIKEN cDNA 6430547I21 gene	BB527078	138.77	295.76	2.13
Fry: furry homolog (Drosophila)	AV342748	136.2	289.99	2.13
Adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430530M09 product:unclassified	AU080586	1530.98	3249.46	2.12
Map1c3b: microtubule-associated protein 1 light chain 3 beta	BB817847	250.64	530.11	2.12
Osgin2: oxidative stress induced growth inhibitor family member 2	BB771462	423.58	897.85	2.12
Stxbp4: syntaxin binding protein 4	AW124912	199.17	421.69	2.12
Rfesd: Rieske (Fe-S) domain containing	BG092467	124.13	263.19	2.12
4921505C17Rik: RIKEN cDNA 4921505C17 gene	BB473497	120.41	254.89	2.12
Mkln1: Musklin 1, intracellular mediator containing kelch motifs	BB015113	159.55	338.73	2.12
6430524H05Rik: RIKEN cDNA 6430524H05 gene	BG069189	130.98	277.82	2.12
Macf1: Microtubule-actin crosslinking factor 1	BM054266	107.42	226.55	2.11
Fuca2: fucosidase, alpha-L-2, plasma	AB015422	263.32	554.89	2.11
Dtx1: deltex 1 homolog (Drosophila)	AK005965	102.58	216.39	2.11
Ica1: islet cell autoantigen 1	BB794924	355.65	748.95	2.11
Wdfy2: WD repeat and FYVE domain containing 2	BB095517	375.92	795.04	2.11
Spg21: spastic paraplegia 21 homolog (human)	BC006662	184.26	389.13	2.11
BC006662: cDNA sequence BC006662	BB003384	248.36	524.94	2.11
Elavl1: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	AV333459	172.69	364.61	2.11
Atpaf1: ATP synthase mitochondrial F1 complex assembly factor 1	BE136147	169.86	358.23	2.11
Tnrc15: trinuclotide repeat containing 15	BB144876	125.54	265.29	2.11
Mm.212804.1	BB755434	179.31	377.72	2.11
Elavl1: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	AV298746	192.3	405.04	2.11
Mbd5: methyl-CpG binding domain protein 5	BF466605	157.36	331.94	2.11
1700025K23Rik: RIKEN cDNA 1700025K23 gene	AK011963	757.57	1594.47	2.1
Prdx2: peroxiredoxin 2	BB462665	1038.26	2179.08	2.1
Atp1a2: ATPase, Na+/K+ transporting, alpha 2 polypeptide	AK016370	107.04	224.86	2.1
Pftk1: PFTAIRES protein kinase 1	BB769866	148.57	311.71	2.1
Igfbp1: immunoglobulin superfamily, member 21	AI504908	1084.02	2279.4	2.1
5033414K04Rik: RIKEN cDNA 5033414K04 gene	AV009179	136.07	285.33	2.1
A930005H10Rik: RIKEN cDNA A930005H10 gene	BB358264	245.23	514.68	2.1
C030027H14Rik: RIKEN cDNA C030027H14 gene	BB466434	488.46	1024.67	2.1
A830010M09Rik: RIKEN cDNA A830010M09 gene	AK013194	170.59	357.53	2.1
Arsk: arylsulfatase K	AK018248	305.88	643.64	2.1
Tcba1: T-cell lymphoma breakpoint associated target 1	BB461988	321.36	673.85	2.1
Podxl2: podocalyxin-like 2	BM116703	97.03	203.3	2.1
4921517N04Rik: RIKEN cDNA 4921517N04 gene	NM_009837	109.25	228.09	2.09
Cct4: chaperonin subunit 4 (delta)	BQ176661	323.28	674.34	2.09
Mkrm1: makorin, ring finger protein, 1	BQ031240	386.1	806.18	2.09
Ctnn1: catenin (cadherin associated protein), alpha-like 1	BC012260	166.02	347.38	2.09
Psmf1: proteasome (prosome, macropain) inhibitor subunit 1	BM248471	485.31	1014.67	2.09
Itsn1: intersectin 1 (SH3 domain protein 1A)	BB533903	1831.61	3819.94	2.09
Hist1h1c: histone cluster 1, H1c	NM_033037	123.18	257.35	2.09
Cdo1: cysteine dioxygenase 1, cytosolic	BB648600	376.09	786.99	2.09
Rtn4: reticulon 4	AV226590	147.49	308.72	2.09
Transcribed locus	AI508470	170.64	356.26	2.09
4921505C17Rik: RIKEN cDNA 4921505C17 gene	BG076094	500.27	1043.12	2.09
Rab11fp2: RAB11 family interacting protein 2 (class I)				

Tuba4: tubulin, alpha 4	AW491660	326.31	678.4	2.08
Pxmp2: peroxisomal membrane protein 2	AF309644	230.13	478.68	2.08
Pscd1: pleckstrin homology, Sec7 and coiled-coil domains 1	AB013464	690.95	1436.92	2.08
Acvr2b: activin receptor IIB	NM_007397	119.78	248.97	2.08
Mtap6: microtubule-associated protein 6	NM_010837	130.39	270.6	2.08
Cdk5: cyclin-dependent kinase 5	NM_007668	95.23	198.25	2.08
Mm.28885.1	BB409668	200.49	417.02	2.08
Snx30: sorting nexin family member 30	BB320376	156.39	325.63	2.08
D10Ert641e: DNA segment, Chr 10, ERATO Doi 641, expressed	BE692118	120.56	250.58	2.08
Map3k7ip2: mitogen-activated protein kinase kinase 7 interacting protein 2	BM213179	785.86	1636.21	2.08
Klhl24: kelch-like 24 (Drosophila)	BC021407	265.93	552.44	2.08
Gnptg: N-acetylglucosamine-1-phosphotransferase, gamma subunit	BI965034	336.71	701.9	2.08
Mklin1: Muskelin 1, intracellular mediator containing kelch motifs	BG068971	187.06	388.35	2.08
Mapre2: Microtubule-associated protein, RP/EB family, member 2	BE956567	105.79	219.84	2.08
Zkscan1: zinc finger with KRAB and SCAN domains 1	BB006473	160.35	333.38	2.08
Lphn3: latrophilin 3	BB317079	151.72	315.2	2.08
Pes1: pescadillo homolog 1, containing BRCT domain (zebrafish)	BC004844	237.44	491.68	2.07
Ldhd: lactate dehydrogenase B	NM_008492	1489.37	3078.9	2.07
Otud7b: OTU domain containing 7B	AK013730	165.81	342.48	2.07
Ldhd: lactate dehydrogenase B	AV219418	1655.72	3431.26	2.07
Fech: ferrochelatase	NM_007998	365.41	757.1	2.07
D0H4S114: DNA segment, human D4S114	D45203	1755.19	3639.02	2.07
Pik3r1: phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	M60651	325.84	675.7	2.07
Mapre2: microtubule-associated protein, RP/EB family, member 2	BC027056	314.15	650.71	2.07
Srr: serine racemase	BQ173986	370.65	768.13	2.07
Tmem118: transmembrane protein 118	BB334927	97.76	202.71	2.07
Lhfp14: lipoma HMGIC fusion partner-like protein 4	BQ180632	453.27	938.63	2.07
5530601H04Rik: RIKEN cDNA 5530601H04 gene	BB820846	315.55	653.62	2.07
Papad1a: phosphatidic acid phosphatase type 2 domain containing 1A	BB360564	205.64	425.19	2.07
ORF34: open reading frame 34	BM237456	841.21	1739.06	2.07
A1595406: expressed sequence A1595406	A1595406	192.96	399.79	2.07
Pip5k2c: phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	NM_054097	287.71	593.68	2.06
Pde4dip: phosphodiesterase 4D interacting protein (myomegalin)	NM_031401	110.19	226.92	2.06
Ina: internexin neuronal intermediate filament protein, alpha	BC018383	286.5	590.12	2.06
Wdr45: WD repeat domain 45	BC011479	236.56	487.48	2.06
Zcchc18: zinc finger, CCHC domain containing 18	BC017627	705.59	1455.96	2.06
Grina: glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	AW212189	1099.77	2260.75	2.06
Ctsl: cathepsin L	J02583	2199.31	4537.38	2.06
Centd1: centaurin, delta 1	BB182934	395.63	815.29	2.06
6430547I21Rik: RIKEN cDNA 6430547I21 gene	BM932705	151.4	312.52	2.06
Pdzrn3: PDZ domain containing RING finger 3	NM_018884	887.07	1821.58	2.05
Abhd12: abhydrolase domain containing 12	NM_024465	661.28	1353.63	2.05
Zkscan1: zinc finger with KRAB and SCAN domains 1	NM_133906	771.25	1582.68	2.05
Mmp16: matrix metalloproteinase 16	AF282844	189.16	387.44	2.05
Dcamk1l: doublecortin and calcium/calmodulin-dependent protein kinase-like 1	AW105916	837.57	1716.36	2.05
Pcmdt2: protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	BM117243	832.92	1706.52	2.05
4930504E06Rik: RIKEN cDNA 4930504E06 gene	BB010153	443.15	906.86	2.05
Srr: serine racemase	BB020681	150.22	308.19	2.05
Tst: thiosulfate sulfurtransferase, mitochondrial	BC005644	623.24	1277.51	2.05
Thrap2: thyroid hormone receptor associated protein 2	BG074645	677.88	1388.96	2.05
Mm.213340.1	AV365231	151.55	310.03	2.05
16 days embryo head cDNA, RIKEN full-length enriched library, clone:C130070I23 product:unclassified	BB373481	144.22	295.86	2.05
Adcy5: adenylate cyclase 5	BE952286	161.92	332.59	2.05
Mm.88433.1	A1447822	136.93	280.35	2.05
Arf2: ADP-ribosylation factor 2	NM_007477	429.63	875.31	2.04
Usp2: ubiquitin specific peptidase 2	A1553394	254.93	519.03	2.04
Dcx: doublecortin	BB418548	610.74	1248.1	2.04
Abca7: ATP-binding cassette, sub-family A (ABC1), member 7	NM_013850	117.76	240.11	2.04
Eps8: epidermal growth factor receptor pathway substrate 8	NM_007945	340.19	692.94	2.04
Urm1: ubiquitin related modifier 1 homolog (S. cerevisiae)	BC026994	275.75	561.89	2.04
Hnt: neurotrimin	AF282980	527.73	1076.55	2.04
Reep5: receptor accessory protein 5	BI249075	873.84	1780.52	2.04
Rap2a: RAS related protein 2a	BC025198	957.37	1951.87	2.04
Mkrn1: makorin, ring finger protein, 1	AA717142	1093.99	2227.59	2.04
Usp22: ubiquitin specific peptidase 22	BE951601	458.78	936.47	2.04
Tmem106b: transmembrane protein 106B	AV025807	283.19	579.11	2.04
Adult male corpora quadrigenina cDNA, RIKEN full-length enriched library, clone:B230209O07 product:unclassified	BB765910	119.62	243.81	2.04
Dep1: diabetic embryopathy 1	BB088198	892.18	1816.97	2.04
Tmem40: transmembrane protein 40	BB468188	98.34	200.13	2.04
Zfx1b: Zinc finger homeobox 1b	BB488200	211.45	430.83	2.04
Dnaj4: DnaJ (Hsp40) homolog, subfamily A, member 4	NM_021422	97.58	198.28	2.03
C430004E15Rik: RIKEN cDNA C430004E15 gene	BF582414	193.18	391.29	2.03
Map4k5: mitogen-activated protein kinase kinase kinase 5	BC002309	309.82	630.06	2.03
Leng8: leukocyte receptor cluster (LRC) member 8	AV024387	229.11	464.31	2.03
Gabbr1: gamma-aminobutyric acid (GABA-B) receptor, 1	BM114422	331.29	671.29	2.03
Mm.218611.2	BF537798	3863.74	7847.51	2.03
Gdap1: ganglioside-induced differentiation-associated-protein 1	AU017649	196.09	398.56	2.03
4632432E15Rik: RIKEN cDNA 4632432E15 gene	AK014604	142.02	288.06	2.03
Mm.81940.1	AV118079	398.05	808.24	2.03
Cxxc4: CXXC finger 4	BM114956	184.79	375.03	2.03
Ppm2c: protein phosphatase 2C, magnesium dependent, catalytic subunit	AV290622	116.49	237.01	2.03
A330068G13Rik: RIKEN cDNA A330068G13 gene	BB246530	137.08	278.63	2.03
Scmh1: Sex comb on midleg homolog 1	BB297140	115.79	234.6	2.03
Zfand5: zinc finger, AN1-type domain 5	AW744618	97.63	197.74	2.03
Rufy3: RUN and FYVE domain containing 3	AV221343	388.69	789.91	2.03
Centd1: centaurin, delta 1	AV291818	227.85	463.42	2.03
Csmd2: CUB and Sushi multiple domains 2	BB309617	240.99	489.66	2.03
Ndr3: N-myc downstream regulated gene 3	BE631549	534.82	1077.89	2.02
Ulk2: Unc-51 like kinase 2 (C. elegans)	NM_013881	344.68	697.45	2.02

Skap2: src family associated phosphoprotein 2	NM_018773	278.75	562.51	2.02
Dll1: delta-like 1 (Drosophila)	NM_007865	740.54	1496.26	2.02
Jmy: junction-mediating and regulatory protein	BF227962	106.88	215.89	2.02
BC019943: cDNA sequence BC019943	BB467190	164.18	330.87	2.02
Mapre2: microtubule-associated protein, RP/EB family, member 2	BC027056	398.75	803.95	2.02
Mrpl15: mitochondrial ribosomal protein L15	AV306676	478.3	964.49	2.02
Sema4g: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytopl	NM_011976	150.09	303.81	2.02
BC030863: cDNA sequence BC030863	BB698852	245.61	496.49	2.02
Rab11fp2: RAB11 family interacting protein 2 (class I)	BG076094	209.41	423.75	2.02
Nudt10: nudix (nucleoside diphosphate linked moiety X)-type motif 10	AI853080	281.81	570.6	2.02
Prdm16: PR domain containing 16	BB796293	116.71	235.51	2.02
5033414K04Rik: RIKEN cDNA 5033414K04 gene	BB394466	159.16	322.17	2.02
Scyl3: SCY1-like 3 (S. cerevisiae)	BB274851	313.43	633.21	2.02
Rab36: RAB36, member RAS oncogene family	BB313586	168.74	341.25	2.02
Dnajc12: DnaJ (Hsp40) homolog, subfamily C, member 12	NM_013888	242.12	487.43	2.01
Kctd5: potassium channel tetramerisation domain containing 5	BF577853	941.23	1891.12	2.01
Ccdc80: coiled-coil domain containing 80	BG074158	977.28	1961.23	2.01
Pik3r1: phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	M60651	824.19	1653.86	2.01
Hnt: neurotrimin	AF282980	521.98	1051.56	2.01
Deb1: differentially expressed in B16F10 1	AK003863	1179.9	2374.59	2.01
Taok3: TAO kinase 3	BB194075	269.1	539.74	2.01
Mm.212712.4	BG966742	451.96	909.61	2.01
Wwc2: WW, C2 and coiled-coil domain containing 2	NM_133791	334.24	673	2.01
Aylt2: acyltransferase like 2	BG068664	607.53	1222.18	2.01
Rbm20: RNA binding motif protein 20	AK003783	99.04	199.11	2.01
AW456874: expressed sequence AW456874	BB194539	101.07	202.76	2.01
D430047L21Rik: RIKEN cDNA D430047L21 gene	AV325177	266.73	536.86	2.01
Nsun3: NOL1/NOP2/Sun domain family 3	BF682821	144.72	290.53	2.01
D630045J12Rik: RIKEN cDNA D630045J12 gene	AW558117	231.26	465.67	2.01
Aldh5a1: aldehyde dehydrogenase family 5, subfamily A1	BQ175320	440.21	885.29	2.01
Exoc3: exocyst complex component 3	BF457860	527.67	1060.59	2.01
Snapap: SNAP-associated protein	BB667523	864.33	1730.9	2
Gm2a: GM2 ganglioside activator protein	BC004651	379.23	758.78	2
Hexim1: hexamethylene bis-acetamide inducible 1	BI411874	207.03	414.11	2
Camk2g: calcium/calmodulin-dependent protein kinase II gamma	BM227770	502.7	1005.5	2
Sox9: SRY-box containing gene 9	BC024958	664.66	1328.78	2
Cry2: cryptochrome 2 (photolyase-like)	BF303057	240.71	482.43	2
Ptpn13: protein tyrosine phosphatase, non-receptor type 13	BM236743	245.34	491.58	2
Atp1a2: ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	AI845177	605.64	1212.76	2
Klh124: kelch-like 24 (Drosophila)	BB328076	195.91	391.82	2
Tieg3: TGFB inducible early growth response 3	BB137387	253.31	507.23	2
Phf2011: PHD finger protein 20-like 1	BB268102	415.43	831.32	2
Snx30: sorting nexin family member 30	BB359719	266.46	533.09	2
4933407C03Rik: RIKEN cDNA 4933407C03 gene	AW555091	161.39	322.81	2