

Table S1. Primer sets used for real-time PCR

| Gene | Position | 5'-sequence-3' |
|----------------------------------|--------------------|---|
| β -Actin | Forward Reverse | CAACGGCTCCGGCATGTGC CTCTTGCTCTGGCCCTCG |
| <i>Brn3b</i> | Forward Reverse | TCTGGAAGCTACTTCGCCA CCGGTTCACAATCTCTCTGA |
| <i>Brn3a</i> | Forward Reverse | AGGCCTATTTTGCCGTACAA CGTCTCACACCCTCCTCAGT |
| Gap-43 | Forward Reverse | GTGCTGCTAAAGCTACCACT CTTCAGAGTGGAGCTGAGAA |
| Persyn | Forward Reverse | GTACAAAGTGTACCTCAGT CAGCAGCATCTGATTGGTGA |
| <i>Eaat-2/Glut1</i> | Forward Reverse | GCTCCCAAATGGTCTAGAGT GTTGAGATATAGCTCTCCAT |
| <i>Nfl</i> | Forward Reverse | AGCTGAGGAGGCCAAGGAT CCACTCTGCAAGCAAACAGA |
| <i>Gli1</i> | Forward Reverse | AACTTTCACCGTGGGAGTAA GGCACTAGAGTTGAGGAATT |
| Hermes | Forward Reverse | CGAAGATGGCCAAGAACAAA GGCTGTTGTGAAGTCTTGAA |
| <i>Tau1</i> | Forward Reverse | GCAAAGTGACCTCCAAGTGT CCTGATCACAAACCCTGCTT |
| <i>Dlx1</i> | Forward Reverse | AGAGAGGACCAATGAGCCTT CACGGTGGATTTCAATCGGT |
| Calpactin | Forward Reverse | CACGCCATGGAAACCATGAT AAGAAGCAGTGGGGCAGATT |
| RIKEN 1810041L15 gene (RGCg1) | Forward Reverse | TGGGAGGTA AACATGAGAGT TCCAACCACAGCCATGAAGT |
| Ribonucleoprotein | Forward Reverse | CCCCTGATTCTGATGAGAGT TTCCTGGTACACCTCAGGAT |
| <i>Nfm</i> | Forward Reverse | AAAGTGGTGGTCACCAAGAA CAGTTCCTCATATTGCACA |
| Cyclin D1 | Forward Reverse | GCATTTTGGTTCAGCTAGCT GACATGGCCCTAAACCTTCT |
| <i>Gig1</i> | Forward Reverse | TGTACATAGATGCGTTCGAGT AGGACTACCCAGCAAATCCT |
| Neuropilin 1 | Forward Reverse | GAGTAATTACTCAGAGGCGT AGAAGAATCCACCACAGGGT |
| Synaptotagmin 13 | Forward Reverse | CACAGCAAAGGAGCCATCT GCATCTCCTCCCAGTGGCT |
| RIKEN 2610042L04 gene | Forward Reverse | CATGGCTGTAATGGGCTGTA AGCAACACTCTCCTTTTGGA |
| <i>Nell2</i> | Forward Reverse | CACAGATGACCTTTCCTGCT CAGCACAAATGGCCATTCTT |
| <i>Vmat2</i> | Forward Reverse | TGCCAGCGAGCATCTCTTAT CTTCCTTAGCAGGTGGACTT |
| Synaptotagmin 4 | Forward Reverse | TGTTGTAGGTGATGGTTTCA AGACCATGGTTCTTAGGTGA |
| <i>Irx2</i> | Forward Reverse | GTCCTTCAGAAGTGGAAACA AGGTATCTCCCTGTTGTACA |
| <i>Olf1/Ebf1</i> | Forward Reverse | CAGCAGTGA AACAGAGAGT TCAGTATTTGCAAGGTCGGT |
| <i>Gli2</i> | Forward Reverse | ATGCCTTGGGTTGCTGTGGA CAACCTTCCGCTCAACCACA |
| Smoothened | Forward Reverse | CAGGCCTCTGAAAGACATGT GTTCTTGAATGTGGGGCACT |
| Patched 2 | Forward Reverse | GCATCAA ACTGAGTGCCATC GTCTGTGGACTCTCCTTGTA |
| Patched | Forward Reverse | CAGACACTCAGCTCCCTTGA AGAAGCCGTCACAGTGGTGA |
| <i>Gli3</i> | Forward Reverse | ATCCATGGGCACCACCAACA GACACATCCCAATCAGGTGA |
| <i>Dlx2</i> | Forward Reverse | CTTCATCCATTGCCAGTGGGA AAACATAGGGACTGCTGAGG |
| Sonic hedgehog | Forward Reverse | TGTCATCGAGGAGCACAGCT AGCTGGACTTGACCGCCATT |

Table S2. Non-redundant list of all genes with altered expression in *brn3b*-null retina

| Gene ID | Gene name or matched EST | E14.5* | E14.5 <i>t</i> -test | E16.5* | E16.5 <i>t</i> -test | E18.5* | E18.5 <i>t</i> -test |
|-----------|---|--------|----------------------|--------|----------------------|--------|----------------------|
| Cluster A | | | | | | | |
| 0251-95 | (AF099986) persyn | 13.60 | 0.000 | 10.79 | 0.030 | 4.94 | 0.001 |
| 2092-73 | Brn3b | 5.06 | 0.000 | 1.04 | 0.754 | 1.15 | 0.331 |
| 2061-59 | EBF/OLF1 | 4.27 | 0.000 | 1.25 | 0.179 | 1.45 | 0.099 |
| 2042-68 | Genomic Chr 11 | 3.99 | 0.000 | 1.54 | 0.098 | 1.62 | 0.010 |
| 2082-14 | (S59158) glutamate transporter, GluT-1 | 3.83 | 0.000 | 1.72 | 0.007 | 1.29 | 0.061 |
| 4034-04 | Irx2 | 3.81 | 0.000 | 4.90 | 0.000 | 3.33 | 0.003 |
| 2074-94 | Brn3a | 3.41 | 0.000 | 2.76 | 0.071 | 2.10 | 0.013 |
| 2033-50 | monoamine transporter Slc18a2 | 3.00 | 0.000 | 1.54 | 0.051 | 1.51 | 0.009 |
| 0103-63 | (AB025922) Gli1 | 2.99 | 0.000 | 1.26 | 0.233 | 1.08 | 0.560 |
| 2082-36 | (J02809) calmodulin-binding protein/GAP-43 | 2.89 | 0.000 | 2.36 | 0.000 | 1.65 | 0.025 |
| 0822-11 | (U10355) synaptotagmin 4 | 2.73 | 0.000 | 1.61 | 0.018 | 2.28 | 0.019 |
| 0104-46 | No match | 2.68 | 0.000 | 1.27 | 0.645 | 1.32 | 0.090 |
| 2121-19 | Genomic | 2.66 | 0.000 | 1.30 | 0.322 | 1.71 | 0.061 |
| 2024-89 | Hermes | 2.53 | 0.000 | 1.66 | 0.002 | 1.52 | 0.084 |
| 2084-92 | (D45913) leucine-rich-repeat protein | 2.46 | 0.000 | 1.18 | 0.222 | 0.97 | 0.877 |
| 4051-37 | (AF031880) light molecular-weight neurofilament | 2.46 | 0.000 | 2.49 | 0.017 | 2.06 | 0.140 |
| 2114-89 | Genomic Chr 7 | 2.42 | 0.000 | 1.44 | 0.032 | 1.47 | 0.060 |
| 4091-04 | Genomic | 2.36 | 0.000 | 1.08 | 0.558 | 1.44 | 0.317 |
| 0223-17 | (AB037848) KIAA1427 protein | 2.35 | 0.000 | 1.93 | 0.082 | 1.79 | 0.010 |
| 0181-87 | No seq | 2.33 | 0.000 | 2.11 | 0.091 | 1.89 | 0.099 |
| 2021-02 | glucocorticoid induced gene 1, Gig1 | 2.33 | 0.000 | 1.08 | 0.618 | 1.12 | 0.502 |
| 0054-86 | No seq | 2.32 | 0.000 | 1.48 | 0.264 | 1.47 | 0.014 |
| 4094-04 | (M16465) calpactin I light chain | 2.30 | 0.000 | 2.42 | 0.004 | 1.87 | 0.022 |
| 2073-83 | (AP001748) U2 snRNP auxiliary factor | 2.25 | 0.000 | 1.03 | 0.864 | 0.88 | 0.398 |
| 4011-73 | (U62325) FE65-like protein sapiens | 2.21 | 0.000 | 1.56 | 0.037 | 1.61 | 0.046 |
| 3191-54 | (X05640) NF-M | 2.19 | 0.000 | 1.43 | 0.052 | 1.42 | 0.030 |
| 4061-63 | (BC001993) protein phosphatase 4 | 2.18 | 0.000 | 1.26 | 0.082 | 0.84 | 0.393 |
| 2034-93 | Cyclin D1 | 2.16 | 0.000 | 1.02 | 0.918 | 0.84 | 0.328 |
| 2114-73 | Mus musculus RIKEN cDNA 2310067G05 gene | 2.15 | 0.000 | 1.42 | 0.048 | 1.39 | 0.051 |
| 0261-66 | No seq | 2.14 | 0.000 | 1.10 | 0.457 | 0.91 | 0.566 |
| 0054-78 | No seq | 2.14 | 0.000 | 0.88 | 0.540 | 1.07 | 0.587 |
| 0222-60 | Trim41 | 2.12 | 0.000 | 1.28 | 0.230 | 1.36 | 0.338 |
| 2114-60 | Mus musculus RIKEN cDNA 2610209L21 gene (2610209L21Rik), mRNA Length = 2352 | 2.11 | 0.000 | 1.24 | 0.154 | 1.21 | 0.184 |
| 0083-04 | (AF012271) visual pigment-like receptor | 2.10 | 0.000 | 1.10 | 0.587 | 1.09 | 0.572 |
| 4041-04 | (AF033855) myostatin; growth/differentiation factor 8 | 2.05 | 0.000 | 1.58 | 0.071 | 1.84 | 0.019 |
| 4061-62 | (AB048947) synaptotagmin XIII | 2.05 | 0.000 | 1.88 | 0.001 | 1.47 | 0.069 |
| 0823-47 | No seq | 2.05 | 0.000 | 1.82 | 0.049 | 1.08 | 0.587 |
| 3164-21 | No match | 2.02 | 0.000 | 1.06 | 0.894 | 1.09 | 0.638 |
| 2083-44 | Genomic Chr 1 | 2.00 | 0.000 | 0.68 | 0.238 | 0.77 | 0.543 |
| 2114-82 | (AJ414378) putative methionyl aminopeptidase | 2.00 | 0.000 | 1.87 | 0.077 | 1.57 | 0.028 |
| 4041-19 | (D13635) KIAA0010 ubiquitin-protein isopeptide ligase (E3) | 1.98 | 0.000 | 1.57 | 0.014 | 1.53 | 0.016 |
| 3223-75 | No seq | 1.98 | 0.000 | 1.05 | 0.801 | 0.65 | 0.250 |
| 4012-82 | Genomic Chr4, human homologue | 1.97 | 0.000 | 1.03 | 0.871 | 1.36 | 0.041 |
| 2071-68 | Genomic Chr4, human homologue | 1.97 | 0.000 | 1.39 | 0.022 | 1.32 | 0.270 |
| 2071-25 | (D50086) neuropilin | 1.96 | 0.000 | 1.25 | 0.193 | 1.33 | 0.127 |
| 2121-55 | Mus musculus adult male thymus cDNA, RIKEN full-length enriched library, clone: 5830453E13 product: EST, full insert sequence Length = 2695 | 1.94 | 0.000 | 0.96 | 0.830 | 0.90 | 0.552 |
| 0253-32 | No seq | 1.94 | 0.000 | 1.04 | 0.754 | 1.84 | 0.072 |
| 0242-27 | Mus musculus RIKEN cDNA 1810041L15 gene | 1.91 | 0.000 | 1.22 | 0.183 | 0.92 | 0.591 |
| 0191-20 | (AB015132) ubiquitous Kruppel like factor | 1.87 | 0.000 | 1.47 | 0.054 | 1.17 | 0.409 |
| 3224-89 | (AB051466) KIAA1679 protein | 1.87 | 0.000 | 1.51 | 0.059 | 1.17 | 0.568 |
| 0233-55 | (U17259) p19 | 1.86 | 0.001 | 1.50 | 0.016 | 1.20 | 0.506 |
| 2084-36 | Mus musculus adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone: B230380D18 product: EST, full insert sequence Length = 2092 | 1.84 | 0.000 | 1.13 | 0.428 | 0.96 | 0.799 |
| 2084-31 | No match | 1.82 | 0.000 | 0.72 | 0.517 | 1.08 | 0.688 |
| 0264-76 | (U17599) ribonucleoprotein | 1.80 | 0.000 | 1.66 | 0.018 | 1.47 | 0.008 |
| 2042-19 | Homologous to Human Chr 10 sequence | 1.80 | 0.000 | 1.22 | 0.157 | 1.33 | 0.137 |
| 3204-67 | (M18775) tau microtubule binding protein | 1.79 | 0.000 | 1.20 | 0.205 | 0.97 | 0.896 |
| 2052-01 | Genomic | 1.78 | 0.000 | 1.24 | 0.227 | 1.05 | 0.759 |
| 2014-87 | (Y15924) cystinosin | 1.76 | 0.000 | 1.57 | 0.053 | 1.43 | 0.269 |
| 0104-38 | No match | 1.74 | 0.000 | 1.30 | 0.295 | 1.11 | 0.678 |
| 4062-84 | Homologous to human genomic sequence | 1.73 | 0.000 | 1.39 | 0.058 | 1.08 | 0.568 |
| 3174-95 | Mus musculus phosphofructokinase-1 C isozyme (Pfk1c) | 1.71 | 0.000 | 0.84 | 0.550 | 0.80 | 0.338 |
| 4071-16 | No seq | 1.70 | 0.000 | 1.37 | 0.041 | 1.33 | 0.031 |
| 0121-68 | (M17300) cholesterol-regulated protein C | 1.70 | 0.000 | 1.42 | 0.118 | 1.45 | 0.358 |
| 3141-43 | Mus musculus adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone: 6330582C22 | 1.70 | 0.000 | 0.56 | 0.094 | 0.78 | 0.201 |
| 4011-29 | Mus musculus adult male hippocampus cDNA, RIKEN full- length enriched library, clone: C630030A18 | 1.65 | 0.000 | 1.15 | 0.291 | 0.89 | 0.507 |

| product:hypothetical protein | | | | | | | |
|------------------------------|---|------|-------|------|-------|------|-------|
| 0251-51 | Genomic Chr 1 | 1.61 | 0.000 | 1.02 | 0.906 | 0.68 | 0.270 |
| 0272-08 | No seq | 1.60 | 0.000 | 0.86 | 0.659 | 0.91 | 0.673 |
| Cluster B | | | | | | | |
| 3172-45 | (AB040905) KIAA1472 protein | 1.63 | 0.001 | 1.83 | 0.002 | 1.41 | 0.048 |
| 4061-70 | (X52625) cytosolic 3-hydroxy-3-methylglutaryl coenzyme A synthase | 1.58 | 0.000 | 1.76 | 0.020 | 1.88 | 0.051 |
| 4063-10 | Mus musculus RIKEN cDNA D130012K04 gene (D130012K04Rik) | 1.52 | 0.000 | 2.63 | 0.013 | 1.60 | 0.158 |
| 2082-76 | (AF179273) alpha-synuclein | 1.34 | 0.000 | 1.74 | 0.013 | 1.99 | 0.008 |
| 4081-39 | (AK012551) putative | 1.22 | 0.077 | 1.64 | 0.096 | 1.75 | 0.003 |
| 0612-09 | Homo sapiens KIAA1856 protein (KIAA1856), | 1.18 | 0.131 | 1.91 | 0.002 | 1.69 | 0.021 |
| 4051-88 | (AJ132046) ZG29p | 1.02 | 0.800 | 1.95 | 0.004 | 1.07 | 0.871 |
| 2034-33 | Mus musculus RIKEN cDNA 2600016J21 gene (2600016J21Rik) | 0.97 | 0.796 | 2.06 | 0.026 | 1.31 | 0.210 |
| 2062-75 | (U15734) taipoxin-associated calcium binding protein | 0.91 | 0.127 | 1.94 | 0.010 | 1.14 | 0.463 |
| 4093-96 | Sumiko/Golga5 | 0.91 | 0.298 | 1.76 | 0.014 | 0.98 | 0.905 |
| 4103-42 | (BC006185) follistatin-like | 0.89 | 0.230 | 1.37 | 0.083 | 2.13 | 0.052 |
| 4032-88 | Mus musculus hypothetical protein C130008N12, mRNA (cDNA clone MGC:54831 IMAGE:6468505), complete cds Length = 3959 | 0.89 | 0.179 | 2.07 | 0.145 | 1.62 | 0.085 |
| 4092-89 | No seq | 0.87 | 0.076 | 1.28 | 0.404 | 1.96 | 0.026 |
| 0821-29 | No seq | 0.86 | 0.036 | 1.90 | 0.002 | 1.26 | 0.232 |
| Cluster C | | | | | | | |
| 3133-37 | Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone: B930088P06 product:unclassifiable, full insert sequence Length = 3168 | 0.66 | 0.302 | 0.48 | 0.277 | 0.44 | 0.425 |
| 0821-30 | No match | 0.63 | 0.004 | 0.77 | 0.308 | 1.05 | 0.716 |
| 0173-30 | No match | 0.61 | 0.005 | 0.67 | 0.185 | 0.84 | 0.336 |
| 3224-73 | Genomic human homologue | 0.61 | 0.001 | 0.87 | 0.327 | 1.18 | 0.193 |
| 2092-63 | Genomic Chr2 | 0.60 | 0.021 | 0.48 | 0.087 | 0.50 | 0.069 |
| 0054-77 | Mus musculus RIKEN cDNA 5330429B09 gene (5330429B09Rik), mRNA Length = 1195 | 0.60 | 0.000 | 0.82 | 0.406 | 0.88 | 0.506 |
| 0104-37 | Genomic Chr 6 | 0.57 | 0.307 | 0.61 | 0.245 | 0.28 | 0.149 |
| 0192-40 | M.musculus TSC-22 mRNA | 0.56 | 0.000 | 0.87 | 0.360 | 0.91 | 0.612 |
| 2083-77 | Mus musculus diadenosine triphosphate hydrolase (Fhit) gene, intron 5, partial sequence | 0.55 | 0.029 | 0.48 | 0.177 | 0.48 | 0.102 |
| 2103-14 | Mus musculus 3 days neonate thymus cDNA, RIKEN full-length enriched library, clone: A630096G04 product:unclassifiable, full insert sequence Length = 3295, has Human homologue | 0.55 | 0.015 | 0.86 | 0.373 | 0.97 | 0.868 |
| 0222-55 | Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone: B930031I09 product: EST, full insert sequence Length = 2460 | 0.55 | 0.002 | 0.46 | 0.095 | 0.76 | 0.378 |
| 2011-80 | No match | 0.54 | 0.004 | 0.86 | 0.572 | 1.28 | 0.192 |
| 2122-01 | (Z49204) NADP transhydrogenase | 0.54 | 0.000 | 0.65 | 0.094 | 0.95 | 0.802 |
| 2091-37 | No seq | 0.54 | 0.077 | 0.29 | 0.036 | 0.23 | 0.122 |
| 0052-01 | No seq | 0.53 | 0.146 | 0.40 | 0.059 | 0.31 | 0.103 |
| 4011-88 | (BC006058) RIKEN cDNA 2510049I19 gene | 0.52 | 0.000 | 0.57 | 0.169 | 0.75 | 0.147 |
| 0244-37 | Mus musculus neuron navigator 1, mRNA (cDNA clone MGC:32500 IMAGE:5055436), complete cds Length = 1992 | 0.51 | 0.000 | 0.72 | 0.418 | 0.85 | 0.542 |
| 0081-82 | No match | 0.47 | 0.000 | 0.88 | 0.625 | 1.28 | 0.140 |
| 2084-37 | (AF134858) espin | 0.46 | 0.048 | 0.12 | 0.468 | 0.35 | 0.132 |
| 2123-87 | (U51000) DLX-1 | 0.46 | 0.000 | 0.61 | 0.161 | 0.81 | 0.260 |
| 2083-30 | No seq | 0.43 | 0.126 | 0.31 | 0.260 | 0.39 | 0.193 |
| 3181-90 | No match | 0.42 | 0.001 | 0.65 | 0.201 | 1.20 | 0.218 |
| 0051-02 | Mus musculus 9 days embryo whole body cDNA, RIKEN full-length enriched library, clone: D030067A13 product:unclassifiable, full insert sequence Length = 3152 | 0.41 | 0.256 | 0.48 | 0.199 | 0.59 | 0.084 |
| 0184-86 | Mus musculus RIKEN cDNA 2610042L04 gene (2610042L04Rik), mRNA Length = 1992 | 0.40 | 0.000 | 0.97 | 0.801 | 0.93 | 0.707 |
| 2111-40 | Mus musculus 12 days embryo embryonic body between diaphragm region and neck cDNA, RIKEN full-length enriched library, clone: 9430039D06 product: EST, full insert sequence Length = 3825 | 0.38 | 0.000 | 0.59 | 0.129 | 0.75 | 0.258 |
| 4101-25 | (BC004964) oxoglutarate dehydrogenase | 0.33 | 0.525 | 0.41 | 0.212 | ND | ND |
| 0054-22 | Genomic Chr 2 | 0.31 | 0.002 | 0.41 | 0.096 | 0.43 | 0.208 |
| 2041-54 | TR | 0.25 | 0.001 | 0.67 | 0.137 | 0.73 | 0.286 |
| Cluster D | | | | | | | |
| 3134-12 | No seq | ND | ND | 0.36 | 0.177 | 0.49 | 0.509 |
| 0193-73 | Mus musculus 7 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone: A730028G07 | ND | ND | 0.10 | 0.297 | 0.50 | 0.177 |
| 2112-49 | No match | 0.9 | 0.498 | 0.47 | 0.072 | 0.61 | 0.147 |
| 2111-28 | Genomic | 1.35 | 0.002 | 0.57 | 0.102 | 0.66 | 0.131 |

| | | | | | | | |
|---------|--|------|-------|------|-------|------|-------|
| 3132-54 | (AF007268) fibroblast growth factor | 1.29 | 0.222 | 1.18 | 0.637 | 0.57 | 0.107 |
| 3132-36 | Mus musculus adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone: 6330504A06 product: EST, full insert sequence | 1.20 | 0.062 | 0.98 | 0.960 | 0.53 | 0.088 |
| 2104-16 | (S66385) CREB-binding protein, CBP | 1.18 | 0.037 | 0.82 | 0.403 | 0.52 | 0.087 |
| 3132-71 | Mus musculus RIKEN cDNA 1110014K08 gene (1110014K08Rik), mRNA Length = 1414 | 1.16 | 0.765 | 0.47 | 0.071 | 0.42 | 0.453 |
| 2084-04 | Genomic Chr 15 | 1.12 | 0.457 | 0.70 | 0.219 | 0.42 | 0.153 |
| 2083-49 | (AK022823) unnamed protein product | 1.11 | 0.136 | 0.66 | 0.081 | 0.55 | 0.061 |
| 2093-10 | Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone: 3110023M17 product: hypothetical P-loop containing nucleotide triphosphate hydrolases structure containing protein, full insert sequence | 1.09 | 0.552 | 0.55 | 0.072 | 0.91 | 0.601 |
| 0051-36 | Mus musculus RhoB mRNA, complete cds | 1.08 | 0.512 | 0.57 | 0.074 | 0.75 | 0.197 |
| 0111-55 | No match | 1.07 | 0.334 | 0.57 | 0.092 | 0.76 | 0.209 |
| 0173-10 | No seq | 1.05 | 0.667 | 0.83 | 0.628 | 0.52 | 0.164 |
| 0123-03 | (M77842) oculorhombin | 1.04 | 0.590 | 0.58 | 0.061 | 0.54 | 0.109 |
| 0054-28 | No match | 1.01 | 0.890 | 0.43 | 0.041 | 0.50 | 0.117 |
| 0053-26 | (U91935) retina-derived POU-domain factor | 1.01 | 0.951 | 0.57 | 0.086 | 0.51 | 0.130 |
| 3132-02 | (AB029019) KIAA1096 protein | 1.01 | 0.940 | 0.57 | 0.064 | 0.61 | 0.332 |
| 0243-04 | Homologous to human genomic sequence | 1.01 | 0.960 | 0.57 | 0.093 | 0.82 | 0.308 |
| 0053-96 | Genomic Chr 2 | 1.01 | 0.967 | 0.56 | 0.175 | 0.50 | 0.121 |
| 0084-95 | (X78443) ribosomal protein L24 | 1.00 | 0.979 | 0.52 | 0.087 | 0.77 | 0.268 |
| 0051-91 | (D29640) KIAA0051 Ras GTPase-activating-like protein IQGAP1 | 0.99 | 0.930 | 0.47 | 0.079 | 0.50 | 0.132 |
| 0051-52 | Mus musculus down-regulator of transcription 1 (Dr1), No match | 0.98 | 0.814 | 0.54 | 0.095 | 0.84 | 0.294 |
| 2111-21 | No match | 0.98 | 0.848 | 0.57 | 0.081 | 0.73 | 0.178 |
| 2122-05 | Mus musculus RIKEN cDNA 5830406C15 gene (5830406C15Rik) | 0.97 | 0.818 | 0.49 | 0.084 | 0.77 | 0.278 |
| 2092-38 | (AF017806) Zn-15 transcription factor | 0.97 | 0.725 | 0.41 | 0.137 | 0.49 | 0.108 |
| 0191-72 | (AK001782) unnamed protein product | 0.97 | 0.692 | 0.57 | 0.043 | 0.88 | 0.410 |
| 0102-69 | Mus musculus RIKEN cDNA 2210022N24 gene, mRNA | 0.97 | 0.773 | 0.89 | 0.705 | 0.34 | 0.107 |
| 3204-03 | (AF044588) protein regulating cytokinesi | 0.96 | 0.749 | 0.50 | 0.110 | ND | ND |
| 0114-32 | No seq | 0.95 | 0.657 | 0.44 | 0.062 | 0.60 | 0.146 |
| 2042-26 | (AF017445) GDP-L-fucose pyrophosphorylase | 0.95 | 0.612 | 0.55 | 0.062 | 0.97 | 0.882 |
| 2112-83 | (X06656) connexin43 (AA 1-382) | 0.94 | 0.497 | 0.95 | 0.771 | 0.53 | 0.068 |
| 0051-08 | Mus musculus RIKEN cDNA 4933426K21 gene (4933426K21Rik), mRNA | 0.93 | 0.484 | 0.56 | 0.084 | 0.75 | 0.283 |
| 0234-22 | Mus musculus 10 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone: B930068K11 product: NEPRILYSIN-LIKE PEPTIDASE GAMMA homolog, full insert sequence | 0.92 | 0.461 | 0.50 | 0.080 | 0.73 | 0.205 |
| 2084-06 | (X07392) ornithine decarboxylase | 0.92 | 0.359 | 0.54 | 0.194 | 0.55 | 0.119 |
| 2092-69 | Mus musculus 16 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone: 9630025H1 product: EST, full insert sequence Length = 2438 | 0.91 | 0.416 | 0.50 | 0.089 | 0.70 | 0.185 |
| 2083-23 | No match | 0.91 | 0.625 | 0.55 | 0.167 | 0.56 | 0.163 |
| 2083-17 | (Y00884) 3.4J polypeptide | 0.91 | 0.411 | 0.49 | 0.098 | 0.53 | 0.092 |
| 2083-64 | Genomic Chr14 | 0.91 | 0.530 | 0.51 | 0.095 | 0.39 | 0.117 |
| 0052-72 | Mus musculus 6 days neonate head cDNA, RIKEN full-length enriched library, clone: 5430420F09 product: EST, full insert sequence Length = 1791 | 0.90 | 0.524 | 0.53 | 0.096 | 0.53 | 0.107 |
| 0121-92 | (AF163665) germ cell-less protein | 0.90 | 0.584 | 0.74 | 0.154 | 0.45 | 0.083 |
| 0084-79 | (AF049330) PPAR gamma coactivator | 0.89 | 0.354 | 0.49 | 0.075 | 0.63 | 0.191 |
| 0052-16 | Mus musculus adult male small intestine cDNA, RIKEN full-length enriched library, clone: 2010109C11 product: EST, full insert sequence Length = 991 | 0.89 | 0.148 | 0.46 | 0.075 | 0.73 | 0.142 |
| 2083-28 | No match | 0.89 | 0.430 | 0.40 | 0.141 | 0.28 | 0.378 |
| 0083-42 | No match | 0.89 | 0.206 | 0.58 | 0.098 | 0.72 | 0.178 |
| 2092-14 | Genomic Chr 4 | 0.88 | 0.444 | 0.44 | 0.099 | 0.47 | 0.125 |
| 3142-58 | No match | 0.87 | 0.179 | 0.54 | 0.056 | 0.67 | 0.453 |
| 0051-05 | (D13643) KIAA0018 protein | 0.87 | 0.532 | 0.45 | 0.102 | ND | ND |
| 2121-24 | No match | 0.86 | 0.123 | 0.56 | 0.070 | 0.62 | 0.163 |
| 2091-29 | (AK001486) unnamed protein product | 0.86 | 0.328 | 0.53 | 0.172 | 0.50 | 0.078 |
| 0052-81 | Genomic | 0.85 | 0.561 | 0.42 | 0.061 | 0.48 | 0.061 |
| 0051-10 | No match | 0.85 | 0.478 | 0.61 | 0.090 | 0.58 | 0.068 |
| 3142-77 | (AL080108) hypothetical protein | 0.85 | 0.144 | 0.54 | 0.073 | 0.67 | 0.125 |
| 0051-29 | (U64849) contains similarity to Pfam domain | 0.85 | 0.089 | 0.54 | 0.103 | 0.56 | 0.123 |
| 2083-37 | No match | 0.83 | 0.489 | 0.39 | 0.116 | 0.46 | 0.189 |
| 0051-25 | Mus musculus adult male thymus cDNA, RIKEN full-length enriched library, clone: 5830487K18 product: EST, full insert sequence Length = 1420 | 0.83 | 0.546 | 0.58 | 0.132 | 0.49 | 0.156 |
| 0052-55 | Homologous to human genomic sequence | 0.83 | 0.390 | 0.47 | 0.106 | 0.53 | 0.170 |

| | | | | | | | |
|---------|--|------|-------|------|-------|------|-------|
| 0192-14 | (AJ010585) PTB-like protein | 0.83 | 0.324 | 0.54 | 0.048 | 0.74 | 0.277 |
| 2083-68 | Genomic Chr. 11 | 0.82 | 0.189 | 0.52 | 0.167 | 0.43 | 0.184 |
| 2091-03 | No seq | 0.82 | 0.393 | 0.26 | 0.108 | 0.31 | 0.141 |
| 0051-83 | (L28174) disulfide-like protein | 0.81 | 0.270 | 0.52 | 0.134 | 0.50 | 0.104 |
| 0051-95 | Mus musculus natural killer tumor recognition protein (Nktr) gene, exons 6, 7 and 8, and partial cds Length = 2859 | 0.81 | 0.310 | 0.37 | 0.110 | 0.48 | 0.098 |
| 0172-63 | No match | 0.81 | 0.113 | 0.51 | 0.321 | 0.59 | 0.266 |
| 2091-49 | No match | 0.80 | 0.372 | 0.55 | 0.221 | 0.57 | 0.075 |
| 3143-50 | Genomic Chr. 2 | 0.80 | 0.240 | 0.56 | 0.199 | 0.58 | 0.406 |
| 0051-66 | No match | 0.80 | 0.370 | 0.55 | 0.056 | 0.75 | 0.206 |
| 2094-56 | No match | 0.80 | 0.106 | 0.51 | 0.087 | 0.46 | 0.128 |
| 2091-63 | Genomic Chr. 4 | 0.80 | 0.235 | 0.48 | 0.070 | 0.57 | 0.220 |
| 0051-13 | (L35261) transcriptional regulatory protein A-myb | 0.79 | 0.430 | 0.54 | 0.157 | 0.46 | 0.151 |
| 2092-68 | Mus musculus 15 days embryo head cDNA, RIKEN full-length enriched library, clone: D930012O21 product: EST, full insert sequence Length = 4290 | 0.79 | 0.109 | 0.55 | 0.149 | 0.43 | 0.106 |
| 0054-07 | Mus musculus 11 days embryo spinal cord cDNA, RIKEN full-length enriched library, clone: G630008A16 product:unclassifiable, full insert sequence Length = 3275 | 0.79 | 0.229 | 0.50 | 0.088 | 0.60 | 0.072 |
| 3132-82 | Genomic Chr. 2 | 0.79 | 0.317 | 0.54 | 0.080 | 0.77 | 0.215 |
| 2083-06 | (U88567) secreted frizzled related protein | 0.76 | 0.018 | 0.65 | 0.171 | 0.45 | 0.061 |
| 0082-46 | No match | 0.76 | 0.066 | 0.50 | 0.096 | 0.72 | 0.281 |
| 3141-14 | Mus musculus 3 days neonate thymus cDNA, RIKEN full-length enriched library, clone: A630032O12 product:unclassifiable, full insert sequence Length = 1359 | 0.74 | 0.070 | 0.49 | 0.112 | 0.61 | 0.163 |
| 0051-39 | No match | 0.74 | 0.076 | 0.43 | 0.083 | 0.51 | 0.063 |
| 0234-79 | (X83569) neuronatin-2 | 0.73 | 0.025 | 0.56 | 0.077 | 0.82 | 0.301 |
| 0054-10 | Tbx20 | 0.72 | 0.040 | 0.46 | 0.081 | 0.57 | 0.206 |
| 0084-44 | No seq | 0.72 | 0.010 | 0.50 | 0.085 | 0.70 | 0.172 |
| 3134-91 | (BC000805) similar to rat nuclear ubiquitous casein kinase 2 | 0.72 | 0.144 | 0.45 | 0.137 | ND | ND |
| 0121-25 | No seq | 0.71 | 0.251 | 0.43 | 0.195 | 0.67 | 0.438 |
| 2084-53 | Mus musculus 13 days embryo lung cDNA, RIKEN full-length enriched library, clone: D430047D06 product:inferred: probable transposase mariner 1 {Homo sapiens}, full insert sequence Length = 2532 | 0.70 | 0.152 | 0.38 | 0.100 | 0.35 | 0.177 |
| 2052-85 | (AB030190) unnamed protein product | 0.70 | 0.226 | 0.18 | 0.105 | 0.24 | 0.097 |
| 2091-21 | No seq | 0.67 | 0.193 | 0.34 | 0.099 | 0.38 | 0.109 |
| 0082-30 | (AF106702) testis-enriched protein tyrosine phosphatase | 0.66 | 0.044 | 0.50 | 0.062 | 0.69 | 0.231 |
| 0053-23 | (AB023155) KIAA0938 protein | 0.64 | 0.001 | 0.57 | 0.069 | 0.76 | 0.235 |

*Average wild-type/*brn3b*-null ratios.

Gene ID indicates ID number in the RetinalExpress database (<http://odin.mdacc.tmc.edu/RetinalExpress>).

No match indicates no sequence match in GenBank.

No seq. indicates no sequence available for the clone.

Genomic indicates only matches to genomic sequences, in GenBank; mouse chromosome location is given where possible.

ND indicates no data.