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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MGI symbol | Full Name | Ensembl | Base Mean | XX log2FC | XX padj | XY log2FC | XY padj | Feature Type | Known functions |
| Arhgef19 | Rho guanine nucleotide exchange factor (GEF) 19 | ENSMUSG00000028919 | 98.585 | 0.346 | 0.021 | 0.088 | 0.739 | protein coding gene | Not much known in the brain, but SNPs are implicated in language impairments [1]. |
| Gm46620 | predicted gene, 46620 | ENSMUSG00000118012 | 165.056 | 0.305 | 0.061 | -0.185 | 0.253 | lncRNA gene | Gene module with no known function |
| Mdk | midkine | ENSMUSG00000027239 | 331.224 | 0.305 | 0.028 | 0.116 | 0.546 | protein coding gene | Growth factor highly expressed during early brain development [2]. Promotes neurite outgrowth and survival [3]. |
| Cfap100 | cilia and flagella associated protein 100 | ENSMUSG00000048794 | 122.031 | 0.305 | 0.098 | 0.140 | 0.493 | protein coding gene | Unknown function, but structurally similar to proteins involved in cilia and flagella motility [4]. |
| H2-Ab1 | histocompatibility 2, class II antigen A, beta 1 | ENSMUSG00000073421 | 15.660 | 0.302 | 0.011 | 0.050 | 0.804 | protein coding gene | Influences antigen processing and presentation via MHC class II [5]. No known brain function. |
| Jpx | Jpx transcript, Xist activator (non-protein coding) | ENSMUSG00000097571 | 154.681 | 0.297 | 0.088 | 0.048 | 0.866 | lncRNA gene | Long non-coding RNA that induces Xist expression for X-inactivation [6, 7]. |
| Dppa5a | developmental pluripotency associated 5A | ENSMUSG00000060461 | 18.336 | 0.234 | 0.041 | 0.139 | 0.392 | protein coding gene | Highly expressed in embryonic stem cells and germ cells and thought to play a role in pluripotency [8, 9]. |
| Rhov | ras homolog family member V | ENSMUSG00000034226 | 498.992 | 0.220 | 0.098 | 0.021 | 0.936 | protein coding gene | Atypical, constitutively active GTPase implicated in neural crest development [10]. |
| Trim71 | tripartite motif-containing 71 | ENSMUSG00000079259 | 18.205 | 0.196 | 0.068 | 0.151 | 0.166 | protein coding gene | Plays important roles in embryonic neurogenesis [11] and postnatal ependymal cells [12]. |
| Rcn1 | reticulocalbin 1 | ENSMUSG00000005973 | 1336.228 | 0.189 | 0.083 | 0.143 | 0.127 | protein coding gene | Calcium binding protein located in the endoplasmic reticulum [13]. |
| Car11 | carbonic anhydrase 11 | ENSMUSG00000003273 | 2481.408 | 0.169 | 0.039 | 0.103 | 0.227 | protein coding gene | Homologous to Car10, potential extracellular binding partner of neurexin that influence synaptogenesis [14] |

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