**Table S1. Human and mouse RT-PCR primers**

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| **GENES** | **PRIMERS FORWARD** | **PRIMERS REVERSE** |
| h*Pou5F1* | TGCAGAAAGAACTCGAGCAA | AGCTTCCTCCACCCACTTCT |
| h*Nanog* | TTGTGGGCCTGAAGAAAACT | ATCTGCTGGAGGCTGAGGTA |
| h*Pax6* | CGGTTTCCTCCTTCACAT | ATCATAACTCCGCCCATT |
| h*Emx2* | GCTTCTAAGGCTGGAACACG | TTGCGAATCTGAGCCTTCTT |
| h*Otx2* | GCTGGAAGATCTTGATGCG | AACCTCCCATGAGGCTGTAA |
| h*Foxg1* | CGGGCCAAGCTGGCCTTCAA | GCCGACGTGGTGCCGTTGTA |
| h*Fezf2* | TGCCAGGAGGCTCCGCAGAT | GCCGCTGTGGGTCAGCTTGT |
| h*Nfib* | AGCGCGCTCGGACTGCAA | AGCACGGGTGCTTCTTGCCA |
| h*Tbr1* | GGGCTCACTGGATGCGCCAAG | TCCGTGCCGTCCTCGTTCACT |
| h*Ascl1* | CATCTCCCCCAACTACTCCA | GAAAGCCATGTCTCTCAGGC |
| h*Gapdh* | CCTGACCTGCCGTCTAGAAA | GGTGGTCCAGGGGTCTTACT |
| m*Gapdh* | CGTCCCGTAGACAAAATGGT | TTGATGGCAACAATCTCCAC |