S3 Table Primer sequences for mRNA normalization.

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| *Mm* mRNA Hprt F | 5’ GCTGGTGAAAAGGACCTCT 3’ |
| *Mm* mRNA Hprt R | 5’ CACAGGACTAGAACACCTGC 3’ |
| *Mm* mRNA Cyclophilin A F | 5’ TCGAGCTCTGAGCACTGGAG 3’ |
| *Mm* mRNA Cyclophilin A R | 5’ CATTATGGCGTGTAAAGTCACCA 3’ |
| *Mm* mRNA Gapdh F | 5’ GTCGTGTGAACGGATTTG 3’ |
| *Mm* mRNA Gapdh R | 5’ GACTCCACGACATACTCA 3’ |
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| *Mm* mRNA Cabp7 F |

 | 5’ TGATGTACCGGGGCATCTAC 3’ |
| *Mm* mRNA Cabp7 R | 5’ TTGAAGGCCTCTCGGATCTC 3’ |
| *Mm* mRNA Camk1d F | 5’ TGCCCAGATCCGGAAGAATT 3’ |
| *Mm* mRNA Camk1d R | 5’ GGTTGCTTGAGACACTTGCA 3’ |
| *Mm* mRNA AW551984 F | 5’ AATGCAGATGGTTCCTGGGA 3’ |
| *Mm* mRNA AW551984 R | 5’ CCAGGCTGAGGGTTCTAACA 3’ |
| *Mm* mRNA Tac1 F | 5’ GGACATGGCCAGATCTCTCA 3’ |
| *Mm* mRNA Tac1 R | 5’ TTTCGTAGTTCTGCATCGCG 3’ |
| *Mm* DNA Bdnf F | 5’-TTCGATTCACGCAGTTGTTC-3’ |
| *Mm* DNA Bdnf R | 5’-CTGAGCCAGTTACGTGACCA-3’ |
| *D. mel* mRNA CG11076 F | 5’ TGTCCCAAGGGTGCAGATCC 3’ |
| *D. mel* mRNA CG11076 R | 5’ GGAAGCCTAATGCGCTTGCC 3’ |
| *D. mel* DNA F | 5’ CACGGATTCATTCGTAGAGC 3’ |
| *D. mel* DNA R | 5’ GACGAAAGCATATCAGCCAG 3’ |