**Supplementary Table 1. Primers are used for RT-qPCR.**

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| --- | --- | --- | --- | --- |
| **Primer**  **Symbol** | **Gene name** | **Primer direction** | **Sequences (5’to 3’)** | **Accession** |
| *Gad1* | Glutamate decarboxylase 1 | Forward | AAGAACGGGGAGGAGCAAACTG | NM\_001312900.2 |
| Reverse | ACTGGTGTGGGTGGTGGAAATC |
| *Gad2* | Glutamic acid decarboxylase 2 | Forward | CTGGTTAGAGAGGAGGGACTGATG | NM\_008078.2 |
| Reverse | GTCATAGGACAGGTCATAGTGCTTATC |
| *Slc6a1* | Solute carrier family 6 | Forward | CTGTGCTGTCCTTCTGGCTGAAC | NM\_178703.5 |
| Reverse | TTCCACGGGTTGTCACACTGTTTC |
| *Slc6a11* | Solute carrier family 6 | Forward | GGTGGAGTTCGTGTTGAGCGTAG | NM\_172890.3 |
| Reverse | ACACCACGTAAGGAATCAGGAATGC |
| *Abat* | 4-aminobutyrate aminotransferase | Forward | CTGTGCTGTCCTTCTGGCTGAAC | NM\_001170978.1 |
| Reverse | TTCCACGGGTTGTCACACTGTTTC |
| *Ald5ha1* | Aldhehyde dehydrogenase family 5 | Forward | CGGTTGTGACGGGCGGAAAG | NM\_007393.5 |
| Reverse | TGCCAGAGGTCCAAAGGTCTCC |
| *β-Actin* | Actin, beta | Forward  Reverse | CATTGCTGACAGGATGCAGAAGG  TGCTGGAAGGTGGACAGTGAGG | NM\_001289726.1 |