

**Table S 13. List of 22 genes primers used for RNA-Seq data validation.**

<b>NO.</b>	<b>Rat gene</b>	<b>Forward primer (5' -3' )</b>	<b>Reverse primer (5' -3' )</b>
1	Glr1	5' GTAAGTGCCCATCGGAAAC 3'	5' CCAAAGGTAGAATCGCAG 3'
2	Htr2a	5' TGGATTTACCTGGATGTGC 3'	5' TGTGGATGGACCGTTGGAAG 3'
3	Kcnj14	5' CGCTACCTAAGTGACCTGTT 3'	5' AGTGTCTCGTTGCGTTTC 3'
4	Slc18a3	5' GTGCGAGGACGACTACAACAT 3'	5' GAAGGATTCCAGCAAAGG 3'
5	Chat	5' GCAAGACTGCGAGAATAA 3'	5' TCACCGCTTCAAACAAC 3'
6	Chrb2	5' TCATCATTCGTCGCAAAC 3'	5' TAGCAGCACAGAAATACAAAGT 3'
7	Chrm2	5' GGGCAAGCAAGAGTAGAAT 3'	5' GAGTGGTCCAGCGAAGTG 3'
8	Kcnj12	5' TCTTGCCCTCGGTTGCT 3'	5' TGGGATGTACTCACCTCTT 3'
9	Grm3	5' TGGGTTTGATACTGGTGC 3'	5' CTGAGAATAGGTGGTTGC 3'
10	Grik3	5' CACCGACCATCTCCATAGC 3'	5' CTTTCGTTTCGCATTCCCTG 3'
11	Gabrb2	5' TGCTAATGCCAACAACG 3'	5' CTCCTCAGGCGACTTTT 3'
12	Slc5a7	5' TAGATCTCACAGCGAAGCAGG 3'	5' TGGCACTGAGCATTTGACAG 3'
13	Adra1d	5' CGACATCCTGAGCGTCACTT 3'	5' CGTACCGGTCCACAGAGATG 3'
14	Gria3	5' AACCTAAAGGCTCAGCAT 3'	5' TATAGAACACGCCTGCCACA 3'
15	Grm1	5' CACACTCGGACAAAATCTA 3'	5' CGATGACTTCATCTCTGTCT 3'
16	Grm4	5' AGTGACAACAGCCGCTATGAC 3'	5' CACACACCTCCGTTCTCTCG 3'
17	Sstr1	5' CTA CTT TGC CGC CTG GTG CTC 3'	5' TGG CAA TGA TGA GCA CGT AAC3'
18	Gabrg2	5' GAAAAACCCTGCCCTACCA 3'	5' TGCGAATGTGTATCCTCCCG 3'
19	Chrna4	5' CCTGACTTGAAGACATCA 3'	5' CACAGTACTGGATACTCC 3'
20	Oprm1	5' TTCCTGGTCATGTATGTGATTGT 3'	5' GGGCAGTGTACTGGTCGCTAA 3'
21	Kcnq2	5' CGTTCATCTACCACGCCTAC 3'	5' TACTCCACGCCAAACACCAC3'
22	Gapdh	5'GGCACAGTCAAGGCTGAGAATG-3'	5'ATGGTGGTGAAGACGCCAGTA3'