**S1 Table. Primers used to detect P2Y receptor genes in BV-2 microglia in RT-PCR.**

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| **Target** | **Pubmed acc. No.** |  | **Primer sequence** | **Predicted length (bp)** |
| P2Y1 | NM\_008772.5 | Forward  Reverse | TGGCTATCTGGATGTTCG  TCGCAGGTAATCATTGGAC | 425 |
| P2Y2 | NM\_008773.4 | Forward  Reverse | ACCCTCAACGCCATCAAC  AGCCGAATGTCCTTAGTCTCAC | 281 |
| P2Y4 | NM\_020621.4 | Forward  Reverse | ACTCTGGTCTGCTATGGA  ATCCACCAAGACAGCATC | 423 |
| P2Y6 | NM\_183168.2 | Forward  Reverse | ACCACCTGCGTCTACCGT  GTCCCCTCTGGCGTAGTTAT | 225 |
| P2Y12 | NM\_027571.3 | Forward  Reverse | GACCGCTACCTGAAGACCAC  CAGGGTGTAGGGAATCCGTG | 423 |
| P2Y13 | NM\_028808.3 | Forward  Reverse | TCGCTTTCGACAGGTTCCTC  TGTGACTGACCACCTGATGC | 222 |
| P2Y14 | NM\_001008497.2 | Forward  Reverse | CTGCTTTCTGTGCTCGTGTG  CGTGATGGCCGTGTAGAAGA | 213 |
| GAPDH | NM\_001289726.1 | Forward  Reverse | GCATTGTGGAAGGGCTCA  AAGGTGGAAGAGTGGGAGTT | 379 |