Table 1 Primer sequences used in this study

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| **Assay** | **Primer sequence (5’ to 3’)** | **Primer name** |
| RT-PCR | BmADAR-F | AGCGCATTGTCCCAGCTTCA |
| BmADAR-ER | TCATCACCTCGGGCTGTATCGT |
| BmADAR-F1 | ATTACAATAGAACGCTTAAAGAGTCC |
| BmADAR-F2 | GACAACAGACAAAATGCCAAAT |
| BmADAR-F3 | CGGTCTTTGGAGTTGCTATG |
| BmADAR-R1 | GCCGGGTCAGCTTAGTATATAT |
| BmADAR-R2 | GGATTTCCCGAGGTTTACTTTC |
| BmADARa-F | ATTACAATAGAACGCTTAAAGAGTCC |
| BmADARa-R | GCCGGGTCAGCTTAGTATATAT |
| rpl3-F | TCGTCATCGTGGTAAGGTCAA |
| rpl3-R | TTTGTATCCTTTGCCCTTGGT |
| BmADD-RT-F | CCGACATCGCGGACA |
| BmADD-RT-F | ACAGAGCGGCTGGGTC |
| Actin3-F | AGACGAGGCACAGAGCAA |
| Actin3-R | TGTAGAAGGTATGATGCCAAA |
| Syt I-RT-F | ATCCGTACGTAAAGATTGC |
| Syt I-RT-R | GACGCGTTGTAACCAA |
| RV-M | GAGCGGATAACAATTTCACACAGG |
| M13-47 | CGCCAGGGTTTTCCCAGTCACGAC |
| RACE | BmADAR 5’ GSP1 | GGAGACGGGATAAGGTGTTGT |
| BmADAR 5’ GSP2 | CCGAACAGCGACGACGTGGGCAGA |
| BmADAR 5’ GSP3 | ATCTGGCAGACAACCTTGAACCTC |
| BmADAR 3’ GSP1 | GCGAGCGCCTCCTGACGATGTC |
| BmADAR 3’ GSP2 | TATGCGGGCGCATCGAAGCGTACAT |
| qRT-PCR | Syt I-qRT-F | GGACAACAAGCTGGGAGACAT |
| Syt I-qRT-R | CGTACGGATCTGAGAGACCAC |
| rp49-qRT-F | CCCAACATTGGTTACGGTTC |
| rp49-qRT-R | GCTCTTTCCACGATCAGCTT |
| Expression  vectors construction | ADAR-24b-F | GGAATTCCATATGCATCATCATCATCATCATTATAAGCCAATAGAT |
| ADAR-24b-R | CCCAAGCTTAACTAGATCTGTCTAAGTGAACAGAGCGGC |
| *GFP* F | CCGCTCGAGATGGTGAGCAAGGGC |
| *GFP* R | CGGGGTACCTTACTTGTACAGCTC |
| ADAR-pFastDual-F | CGCGGATCCATGTATAAGCCAATAGATTTC |
| ADAR-pFastDual-R | CCCAAGCTTCTAATGATGATGATGATGATGAGTGAACAGAGCGGCT |
| ADAR-pIZ-EGFP-F | TCCGAGCTCATGTATAAGCCAATA |
| ADAR-pIZ-EGFP-R | GCTCTAGACTAGTGAACAGA |
| Syt I-pIZ-EGFP-F | CCCAAGCTTATCCGTACGTAAA |
| Syt I-pIZ-EGFP-R | CGGGATCCGACGCGTTGTA |

Underlined nucleotides indicate restriction sites.