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| **Gene** | **Gene Bank** | **Amplicon size** | **Sequence (5’-3’)** | **Ref.** |
| **Reference genes** |  |  |  |  |
| OAZ1 | NM\_008753 | 51 | Fwd AGCGAGAGTTCTAGGGTTGCC | Primer Express |
| Rev CCCCGGACCCAGGTTACTAC |
| L27A | BC086939 | 101 | Fwd TGTTGGAGGTGCCTGTGTTCT | Primer Express |
| Rev CATGCAGACAAGGAAGGATGC |
| HPRT |  | 150 | Fwd ACAGGCCAGACTTTGTTGGA  Rev ACTTGCGCTCATCTTAGGCT | Primer Blast |
| **Cytokines** |  |  |  |  |
| IL-1β | NM\_008361 | 152 | Fwd CAACCAACAAGTGATATTCTCCATG | Primer Express |
| Rev GATCCACACTCTCCAGCTGCA |
| IL-6 | NM\_031168 | 141 | Fwd GAGGATACCACTCCCAACAGACC | Primer Express |
| Rev AAGTGCATCATCGTTGTTCATACA |
| TGFβ1 | NM\_011577 | 51 | Fwd GCAGTGGCTGAACCAAGGAG | Primer Express |
| Rev TGAGCGCTGAATCGAAAGC |
| TNFα | NM\_013693 | 179 | Fwd CATCTTCTCAAAATTCGAGTGACAA | Primer Express |
| Rev TGGGAGTAGACAAGGTACAACCC |
| CSF | NM\_007778 | 51 | Fwd GTCCTGCAGCAGTTGATCGA | Primer Express |
| Rev GGCAATCTGGCATGAAGTCTC |
| MIC | NM\_011819 | 52 | Fwd TCAGTCCAGAGGTGAGATTGGG | Primer Express |
| Rev TTGACGCGGAGTAGCAGCTG |
| **AMPA receptors** |  |  |  |  |
| Gria1 | NM\_001113325.2 | 111 | Fwd TACATTGAGCAACGCAAGCC | Primer Blast |
| NM\_008165.4 | Rev GTTTACGGGACCTCTCAGGG |
| NM\_001252403.1 |
| Gria2 | NM\_001083806.1 | 148 | Fwd GGGGACAAGGCGTGGAAATA | Primer Blast |
| NM\_013540.2 | Rev CCAATCTTCCGGGGTCCATT |
| NM\_001039195.1 |
| Gria3 | NM\_016886.4 | 107 | Fwd TGACAGCTCATCCTCCGAGA | Primer Blast |
| NM\_001281929.1 | Rev AGCGCTCATTTCCTTCCAGT |
| Gria4 | NM\_019691.4 | 135 | Fwd AAGCACGTCAAAGGCTACCA | Primer Blast |
| NM\_001113180.1 | Rev TTTCGTCACCATGGGCGTAT |
| NM\_001113181.1 |
| **Kainate receptors** |  |  |  |  |
| Grik1 | NM\_146072.4 | 76 | Fwd CTCGCTTGCCTAGGAGTCAG | Primer Blast |
| NM\_010348.3 | Rev GGTGGGGGTTATACCACTCG |
| Grik2 | NM\_001111268.1 | 102 | Fwd CTTCTCTTCCCTCAGCCGTG | Primer Blast |
| NM\_010349.2 | Rev TGCAAGCGAATGAGACCAGT |
| Grik3 | NM\_001081097.2 | 131 | Fwd GTTCCTAGTGTGCGCCTTCT | Primer Blast |
| Rev ATCGAAAGGCGTGCTCTTCA |
| Grik4 | NM\_175481.5 | 131 | Fwd TCCTGCTTGGCTCTTGATGG | Primer Blast |
| Rev CGCGGTTGATACGGTTCTTG |
| Grik5 | NM\_008168.2 | 135 | Fwd TGATAGTCGCCTTCGCCAAT | Primer Blast |
| Rev TCCCATTGATCTGCTCTCGG |
| **NMDA receptors** |  |  |  |  |
| Grin1 | NM\_008169.2 | 114 | Fwd GACACAAGGATGCCCGTAGG | Primer Blast |
| NM\_001177656.1 | Rev TCTTTTTAGGGTCGGGCTCTG |
| NM\_001177657.1 |
| Grin2a | NM\_008170.2 | 148 | Fwd CGCATCCATGGCTTGGTGTTT | Primer Blast |
| Rev TGGATGTCGGATCCTTGTCAG |
| Grin2b | NM\_008171.3 | 112 | Fwd CATGGGTGTCTGTTCTGGCA | Primer Blast |
| Rev GGGGGAGTTCATCACGGATT |
| Grin3a | NM\_001276355.1 | 146 | Fwd TGGTACAAGGGGTTTCAGCG | Primer Blast |
| NM\_001033351.1 | Rev GTGCAGGGGATTCTGACTCT |
| Grin3b | NM\_130455.2 | 140 | Fwd TGTTTGTCCTGCTGTGCCT | Primer Blast |
| Rev GTGGATCTTCTGGCTCGTGTGAA |
| **Metabotropic receptors** |  |  |  |  |
| GRM1 | NM\_016976.3 | 150 | Fwd AAACCCGAGAGGAATGTCCG  Rev GCCGTTAGAATGGCGTTCC | Primer Blast |
| GRM2 | NM\_001160353.1 | 143 | Fwd TGTCAAGTTTGATGCCCCCT  Rev AGCCTACCTTCTGGTAGCGA | Primer Blast |
| GRM3 | NM\_181850.2 | 73 | Fwd TTCACAGCTCCATTCAACCCA  Rev CCATCCCGTCTCCGTAAGTG | Primer Blast |
| GRM4 | NM\_001013385.1 | 107 | Fwd CACCAAGCCTGAACGAGTGG  Rev CGTAGCTGATCTGGGGGATCTTG | Primer Blast |
| GRM5 | NM\_001081414.2  NM\_001143834.1 | 123 | Fwd ACAACCTCTACAGTGGTGCG  Rev GGAGCTTAGGGTTTCCCCAG | Primer Blast |
| GRM6 | NM\_173372.2 | 105 | Fwd TCATCCCTCCCCAGAATCCTT  Rev ATCTGCTCCTGGACTGAGCC | Primer Blast |
| GRM7 | NM\_177328.3 | 141 | Fwd CTCCAGGGCTGTCGTGATTT  Rev TGCTGATGCAGTGGGTTGAT | Primer Blast |
| GRM8 | NM\_008174.2 | 142 | Fwd ACCCATATTCACCAAGCCCG  Rev GTCACTTAGCTCTGGGGCTG | Primer Blast |
| **Purinergic receptors** |  |  |  |  |
| P2X4 | NM\_011026 | 52 | Fwd TAAGTATGTGGAAGACTACGAGCAGG  Rev TCACTGGTCCGTCTCTCCG | Primer Express |
| P2X7 | NM\_011027  NM\_001038845  NM\_001038839 | 51 | Fwd ACTATACCACGAGAAACATCTTGCC  Rev GAAAGGTACAAGAGCCGTTCATAGTT | Primer Express |
| P2Y6 | NM\_183168 | 82 | Fwd ACAGACTCTCCGAGCATAGGAAA  Rev GGCGGCAAGCCTGGA | Primer Express |
| P2Y12 | NM\_027571 | 88 | Fwd GCAGAACCAGGACCATGGAT  Rev CTGACGCACAGGGTGCTG | Primer Express |
| **Phagocytic receptors** |  |  |  |  |
| TREM2 | NM\_031254.3  NM\_001272078.1 | 110 | Fwd CTGATCACAGCCCTGTCCCAA  Rev CGTCTCCCCCAGTGCTTCAA | Primer Blast |
| CR3 | NM\_001082960.1  NM\_008401.2 | 100 | Fwd AATTGAGGGCACGCAGACA  Rev GCCCAGCAAGGGACCATTAG | Primer Blast |
| MerKT | NM\_008587.1 | 131 | Fwd AAGGTCCCCGTCTGTCCTA  Rev GCGGGGAGGGGATTACTTTG | Primer Blast |
| GRP34 | NM\_011823.4 | 151 | Fwd CTTCAGGAAAGCTTCAACTC  Rev GTAACTATCAGGAGGAGAGC | Sigma |