**Supplementary Table 1.** List of primer sequences

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene Name** | **RefSeq ID** | **Forward Sequence** | **Reverse Sequence** | **Amplicon Size (bp)** |
| ***Trpa1*** | NM\_001348288.1 | GAGGATTGCTATGCAGGTGGA | TCCACTTTGCGCAAGTACCA | 75 |
| ***Trpv1*** | NM\_001001445.2 | CAACAAGAAGGGGCTTACACC | TCTGGAGAATGTAGGCCAAGAC | 77 |
| ***Trpm8*** | NM\_134252.4 | TTGTATTCCGGCTCCACTCTTC | AGTTCCTGCTGACGGTGAAAA | 120 |
| ***α2A***  | NM\_007417.5 | TCATCTCCTCGTCCATCGGT | ACGCTTGGCGATCTGGTAAA | 86 |
| ***α2c***  | NM\_007418.3 | ACAAGCGCACTCTCCAATCA | AGTCTCCACCTCACTCGGTT | 106 |
| ***P16***  | NM\_001040654.1 | CCATCTGGAGCAGCATGGAGT | TCATCATCACCTGAATCGGGGTA | 150 |
| ***P21*** | NM\_001111099.2 | CAGCAGAATAAAAGGTGCCACA | CACGGGACCGAAGAGACAAC  | 100 |
| ***Gapdh*** | NM\_001289726.1 | GGTCATCCCAGAGCTGAACG | TTGCTGTTGAAGTCGCAGGA | 294 |
| ***B2m*** | NM\_009735.3 | GCCTGTATGCTATCCAGAAAACCCC | TGTGAGGCGGGTGGAACTGTG | 114 |
| ***Act*** | NM\_007393.5 | CACTGTCGAGTCGCGTCCA | GTCATCCATGGCGAACTGGTG | 90 |
| ***Hprt*** | NM\_013556.2  | TCCTCCTCAGACCGCTTTT | CCTGGTTCATCATCGCTAATC | 90 |
| ***Dbh*** | NM\_138942.3 | TACTTTGCGGATGCCTGGAG  | ATCTCGAGTCCTCTGTGCCT  | 93 |
| ***Th*** | NM\_009377.2 | AGGGCCTCTATGCTACCCAT | AAGCCAGTCCGTTCCTTCAA  | 136 |

Act- beta actin

HPRT- hypoxanthine guanine phosphoribosyl transferase

B2M - β2 microglobulin

GAPDH - Glyceraldehyde 3-phosphate dehydrogenase

Dbh – dopamine β-hydroxylase

TH – tyrosine hydroxylase

α2a– alpha2a adrenoceptor

α2c– alpha2c adrenoceptor