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

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| --- | --- | --- | --- | --- |
| **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