**Table S1. The primers used in this study.**

|  |  |  |
| --- | --- | --- |
| Name | Primers | Size |
| *CYP9p3* | F: GGATTGGGTCCACGTAAATGTATCG | 177 |
| R: CCACCAGCTGTAATGTAAAGTGGT |
| *CYP6a2* | F: ATGGAGCTGGGTGTTGTTGAATTG | 116 |
| R: GGTTTTGGTCCAGGAATACCCAGTT |
| *DAR1* | F: CCTTGTTATCTGAGCTGTTTGTGGG | 234 |
| R: CACAAAAACGTGGACCAAACATCC |
| *SNF* | F: ATTGGTTTTGCAGTGGCTAGAC | 197 |
| R: CGAAGTGATGGTGAACGATGTGAT |
| *NFR* | F: ATCGTTCACCAAGAATGCGTACTG | 133 |
| R: CGACCAAGAACCCAAGGAACAAG |
| *TYR* | F: ATGAATGCCAGTGGTGAATCAGC | 129 |
| R: TAAAGAGGCAGCTGCTGCTTCC |
| *TH* | F: TCCAAATGCAAGACTCGAGGTTTG | 201 |
| R: TGCATACTTAGTGGTGCTGCTTGGT |
| *OAR1* | F: GACGACGCAAGATCCAACGACA | 136 |
| R: TCCTACTGCGACGGATGTATCTGG |
| *nAChRa4* | F: CACCAACGTCACTAGTTGTACC | 197 |
| R: CTGTGGTCTTCGCATAACAAGT |
| *nAChRa7* | F: ACAATATGGCTTGATCCAGGAT | 122 |
| R: GGTGTTGCTGAACCAGTTAATG |
| *nAChRa9* | F: CGTCGGACGCTGTTCCACTAAT | 120 |
| R: CGTGATTGTCGGCGGTTCTGT |
| *nAChRb1* | F: AGTGGAATCCTGATGAGTAT | 75 |
| R: CTATATCTGGAAGCCAAAGA |
| *ORco* | F: ACAAAGAATCAAGGACTTGTGTCCG | Kang et al., 2017b |
| R: ACCAGTCCAACAAAGTGTTGACAGT |
| *OR28* | F: TGCTCAATTTTTTAACTCTCTGGCA |
| R: CAATGCACCACCATATGACAAACT |
| *GR1* | F: CAGATTCTTTTCATTTTCCACCAAG |
| R: ATCCACATTTGTGAACGGCAA |
| *IR8a.1* | F: AGAAAGTTTTCAGAAAGTGTGCAGC |
| R: CCGTTCTGAAGAGGATTTCCATTTT |
| *IR8a.2* | F: CACCATAAGTAAACCATGCACATTG |
| R: AGAAAGTTTTCAGAAAGTGTGCAGC |
| *SOD1* | F: TTTGAACGGTGAAGATGTCAAGGG | Kang et al., 2017a |
| R: GTGGACCAGAGCTCATACAACCATT |
| *SOD2* | F: TAGTATTGGCTTTGGCTGCAACAG |
| R: TGTGGAAACCATGTTTGCCTGG |
| *POD* | F: TGGGGTAGTTCATTAGAAGC |
| R: CCATTAAATAAGGATGTCGA |
| *GST2* | F: ATGGCCCACCATCACTTGCTT |
| R: CACGTGTTTTTGGATCCTTGGGAT |
| *GST5* | F: TCAACATTACCGGTCTTGGTGAACC |
| R: CGTCATCACCACCAGCAACTTTAA |
| *18SrRNA* | F: CTATGAGTCTGGTAATTGGAAT | Gao et al., 2017 |
| R: GCAACAACTTAAATATACGCTAT |
| *RPS27* | F: CTGATACCAATGTCCACAA |
| R: CCACCACAGAATCAACTT |

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