**S4 Table** Primers used in the qRT-PCR experiments for expression patterns of candidate olfactory genes

|  |  |  |
| --- | --- | --- |
| Gene name  | Direction | Nucleotide Sequence |
| *Bmtubulin* | F(5'-3')  | CAATGGCTGTGGTGTT |
| *Bmtubulin* | R(5'-3')  | GTTGTGCCCAAGGATG |
| *BminIR14* | F(5'-3')  | CTGTCCCTTGACCTTACC |
| *BminIR14* | R(5'-3')  | ATACCGCCGTGACATCC |
| *BminCSP* | F(5'-3')  | CAAGCAGCCTACGACACG  |
| *BminCSP* | R(5'-3')  | GGCGAAACCCTTCAACAT  |
| *BminOBP8* | F(5'-3')  | CTCGTTGGGCAAAGTGGT  |
| *BminOBP8* | R(5'-3')  | GCAATAGGAAGGCGGTGT  |
| *BminOR4* | F(5'-3')  | CAAACGCTTGGAGACAGG  |
| *BminOR4* | R(5'-3')  | AATGGGTTCAACGATGCT  |
| *BminOBP16* | F(5'-3')  | GCGTCAAACAAGTTCCAT |
| *BminOBP16* | R(5'-3')  | CTCATCATCGCTGTCCTC |
| *BminOBP13* | F(5'-3')  | TTGTATTTCCCAGCGTTTA  |
| *BminOBP13* | R(5'-3')  | AGTCATCCTGATTGCGTAT  |
| *BminOBP4* | F(5'-3')  | GCCACCGAGCTAAATGTCAC |
| *BminOBP4* | R(5'-3')  | TTCATTTGCTCAGCACCCGC |
| *BminOBP12* | F(5'-3')  | CCGCTAAACATGAAATCCTC |
| *BminOBP12* | R(5'-3')  | ATCCGAAAAGCCGTATTCTC |
| *BminOBP21* | F(5'-3')  | TATACCAACGCGTCAGAATC |
| *BminOBP21* | F(5'-3')  | TCGGTGTTGGTAAT TTGGC |