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

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| --- | --- | --- |
| 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 |