**Table S2 Primers used in this study**

|  |  |  |
| --- | --- | --- |
| **Gene name** | **Forward (5’-3’)** | **Reverse (5’-3’)** |
| **dsRNA synthesis** |  |  |
| ***Bgblack*** | TAATACGACTCACTATAGGGACGAACCTGTATCCCACGAC | TAATACGACTCACTATAGGGGGTAGACATTATCTGAGCCAAGAC |
| ***GFP*** | TAATACGACTCACTATAGGGAAGTTCAGCGTGTCCG | TAATACGACTCACTATAGGGCACCTTGATGCCGTTC |
| **qPCR analysis** |  |  |
| ***Bgblack*** | CCCGAAGAACTCTTGAAA | GTTGGTTAATGAAGAAAGGG |
| ***BgGAPDH*** | CGGCGAAGAGAAGAGAATA | TCACAAGTCCAGGAACAG |
| ***BgEF1a*** | TGGAACACTCCGACAAGAT | TCAATGAGACACTTGCCTTC |

**Video S1:** ds*GFP* males are touched by ds*GFP* female antennae.

**Video S2:** ds*GFP* males are touched by ds*Bgblack* female antennae.

**Video S3:** ds*Bgblack* males are touched by ds*GFP* female antennae, and most black individuals are unresponsive.

**Video S4:** ds*Bgblack* males are touched by ds*GFP* female antennae, but a few black individuals exhibit courtship behavior.