**Supplementary Table 2.** Primer sequences and PCR conditions used for RT-PCR

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene　  | Primers | Sequence | Denaturation | Annealing | Elongation | N°**c**ycles |
| *Bmdsx* | FF2 | CGCCTTACCGCAGACAGGCAG | 98℃ | 57℃ | 72℃ | 35 |
| FR4 | GCGCAGTGTCGTCGCTACAAGG | 10 s | 30 s | 60 s |
| *BmdsxM7* | dsxExon5s-1F | GACTGAAACGTCCGGACCG | 98℃ | 57℃ | 72℃ | 35 |
| dsxExon5s-1R | GACAACTCCAGCGCTCCG | 10 s | 30 s | 60 s |
| *BmdsxM85* | BmDSX-5F | AATACGTAACAGTGTTGCCAGTTG | 98℃ | 57℃ | 72℃ | 35 |
| BmDSX-6R | GCCTTGAATGTACGTACGACGTGTC | 10 s | 30 s | 60 s |
| *BmActin3* | BmA3-F | AGATGACCCAGATCATGTTCG | 98℃ | 55℃ | 72℃ | 35 |
| BmA3-R | GAGATCCACATCTGTTGGAAG | 10 s | 30 s | 60 s |