**S1 Table. Sequences of Primers Pairs of five selected OMT family genes in qRT-PCR verification**

|  |  |  |
| --- | --- | --- |
| **Gene name** | **primer** | **Primer sequence** |
| Gh\_Histone3 | F | TCAAGACTGATTTGCGTTTCCA |
|  | R | GCGCAAAGGTTGGTGTCTTC |
| GhOMT16 | F | TCGGATGAGGAAGCCAACTTA |
|  | R | GAAGGACTGAGGCACTGGTGA |
| GhOMT33 | F | TTCTCTGCAATCTCTTCTTTT |
|  | R | AATATCTGGTGTGATGAAACT |
| GhOMT43 | F | AATAGCTGTCGTTAAATGTGC |
|  | R | TGTCGGCAATCCCAAGCTCAA |
| GhOMT55 | F | GCTACGAAGCTTTGCCGGAC |
|  | R | CCCACCAGGATTGTGAGCCA |
| GhOMT27 | F | AACTACGAGCTGGGTCTGC |
|  | R | ATCCGTGGTTCTTTTCATCTTCCA |