**Table S1. Gene-specific primers used in this study**

|  |  |
| --- | --- |
| Gene name | Primer sequence (5’-3’) |
| *GmMSD1* | Forward: CCATTGACACACATTTTGGCT |
|  | Reverse: AACATTCTTGTACTGTAAGTAGTACGCA |
| *GmMSD2* | Forward: TAACAGCAGCGGCTACTCATT |
|  | Reverse: TTCACCACCTCCTTCACGAA |
| *GmFSD1* | Forward: TGTTATCGCAATCCACTGCC |
|  | Reverse: GTCCTATGATGCTTCCCCCA |
| *GmFSD2* | Forward: CCTTCCAGTGCCGCTTCTAC |
|  | Reverse: AGTCCTGTGATGCTTCCCCC |
| *GmFSD3* | Forward: GGGGAAACACCACAAGACATAT |
|  | Reverse: AAGCCCATCCTGAACCAAAT |
| *GmFSD4* | Forward: GAGAGAAGAGAAACGACTGGAGAT |
|  | Reverse: CAAGACACAAGGTGGTTCATAAAT |
| *GmFSD5* | Forward: GGGTGGGCTTGGCTAGCATA |
|  | Reverse: AAGGGGGTTCACAGCATTGG |
| *GmCSD1* | Forward: AGCCTGGTCTCCATGGTTTC |
|  | Reverse: CGCCCTTCCTATGATGTTGTTT |
| *GmCSD2* | Forward: TCCCCAATCCATAACGCTTT |
|  | Reverse: CACCCATTTGTCGTATCACCA |
| *GmCSD3* | Forward: GTTCCGACCTCATCCCCTTC |
|  | Reverse: GCTCCTGTTGATATACACCCATTT |
| *GmCSD4* | Forward: TCCCGCCACTACCAAGAAAG |
|  | Reverse: GGAGTAAGACCAGAAACACGAACA |
| *GmCSD5* | Forward: CGGAGACAACAACATTAGAGGC |
|  | Reverse: GAACGGATTGAAGTGAGGACC |
| *GmCSD6* | Forward: TGAAGGCTGTGGCAGTTCTT |
|  | Reverse: CACCGTGCTCGTTGTTATTAGG |
| *GAPDH* | Forward: GACTGGTATGGCATTCCGTGT |
|  | Reverse: GCCCTCTGATTCCTCCTTGA |