**Table S1**. The primers information of miRNAs in this study

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| --- | --- |
| **Gene** | **primers** |
| U6 | Forward sequence (5'-3'): ACAGAGAAGATTAGCATGGCC  Reverse sequence (5'-3'): GACCAATTCTCGATTTGTGCG  PCR Products(bp): 94bp |
| LvmiR156 (osa-miR156a\_L+1)  CUGACAGAAGAGAGUGAGCAC | miR156：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACGTGCTC  miR156-F：GCGCGCTGACAGAAGAGAGT |
| LvmiR164 (osa-miR164a\_R+1)  UGGAGAAGCAGGGCACGUGCAA | miR164：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTTGCAC  miR164-F：CGTGGAGAAGCAGGGCAC |
| LvmiR166 (osa-miR166a-5p\_1ss7TC)  GGAAUGCUGUCUGGUUCAAGG | miR166：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCCTTGA  miR166-F：GCGGGAATGCTGTCTGGT |
| LvmiR396 (osa-miR396a-5p\_L+1)  CUUCCACAGCUUUCUUGAACUG | miR396：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCAGTTC  miR396-F：GCGCTTCCACAGCTTTCTT |
| LvmiR160 (osa-miR160a-5p\_R-1\_1ss20CT)  UGCCUGGCUCCCUGUAUGCU | miR160：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACAGCATA  miR160-F：CGTGCCTGGCTCCCTG |
| LvmiR167c (bdi-miR167c-5p\_L+1R-2)  UUGAAGCUGCCAGCAUGAUCU | miR167：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACAGATCA  miR167-F：GCGTTGAAGCTGCCAGCA |
| LvmiR167d (osa-miR167d-5p\_R+2)  UGAAGCUGCCAGCAUGAUCUGAA | miR167：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTTCAGA  miR167-F：CGTGAAGCTGCCAGCATGA |
| LvmiR828 (cme-miR828)  UCUUGCUCAAAUGAGUAUUCCA | miR828：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTGGAAT  miR828-F：CGCGTCTTGCTCAAATGAGT |
| LvmiR5179 (osa-miR5179\_R+2)  UUUUGCUCAAGACCGCGCAACCA | miR5179：GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTGGTTG  miR5179-F：CGTTTTGCTCAAGACCGCG |

Note: MiRNA was detected by stem loop method. The general downstream primers are: R: AGTGCAGGGTCCGAGGTATT. The upstream primers and reverse transcriptional stem loops of miRNA are as follows: