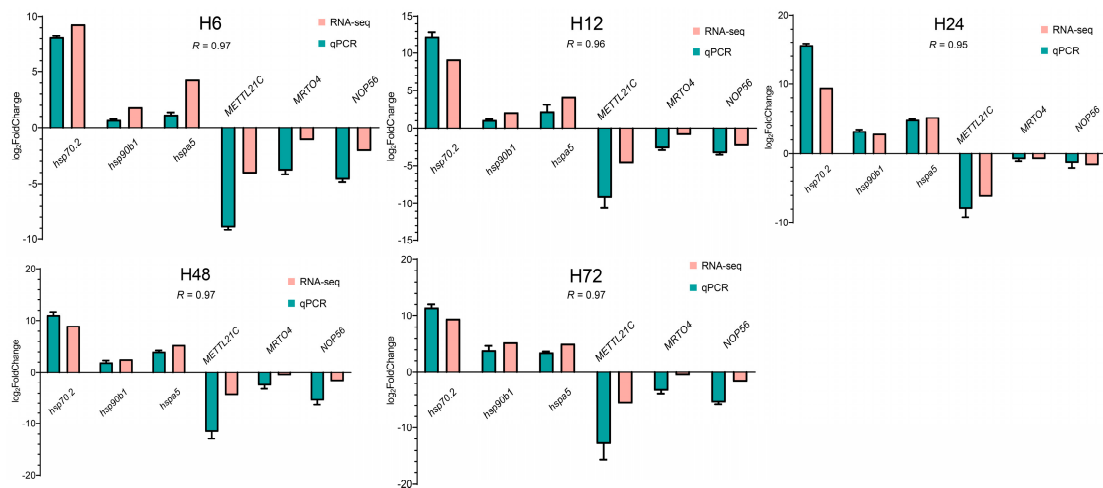
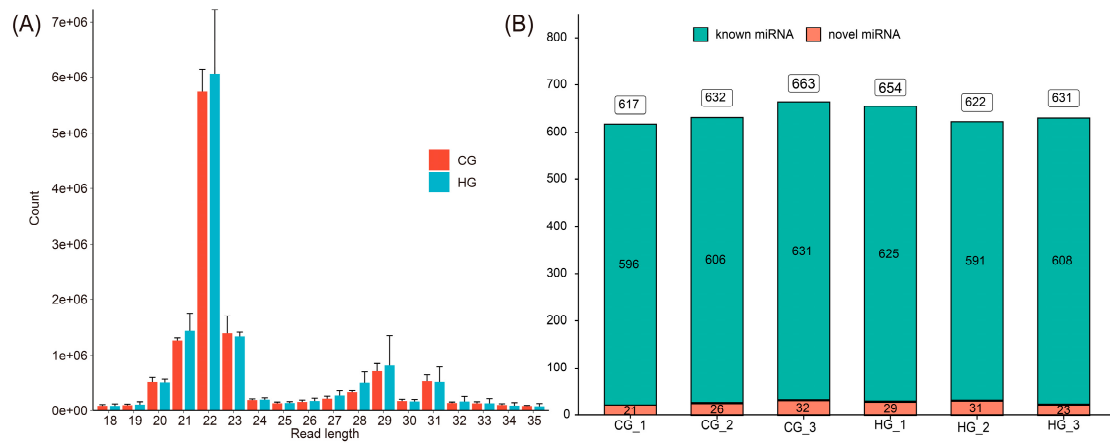


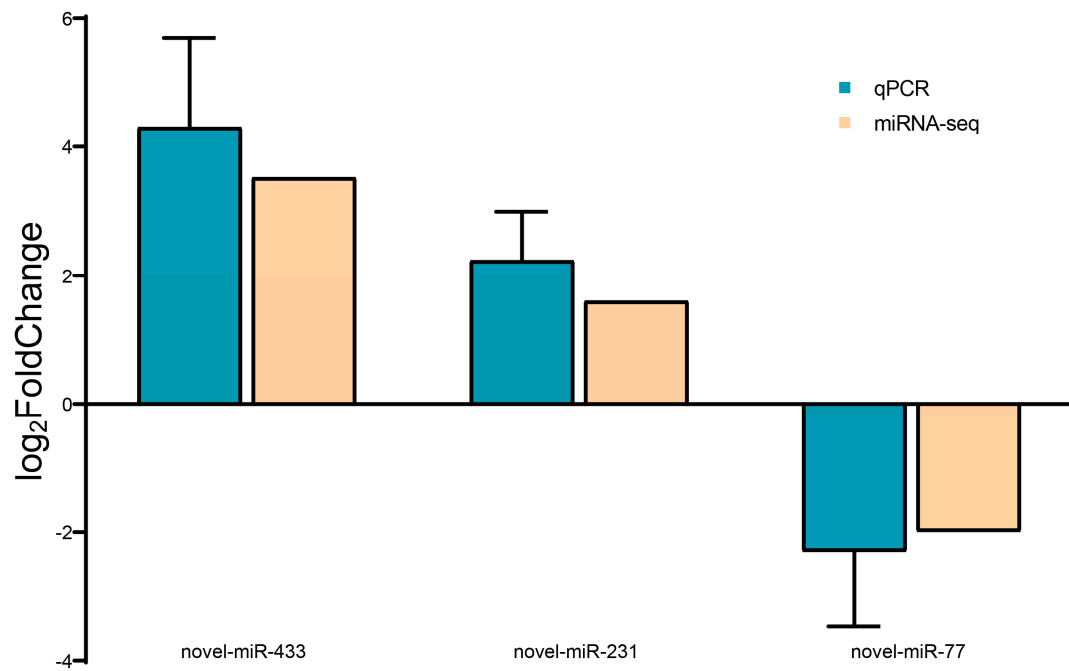
**Supplementary Figure S1** Schematic diagram of sampling points for thermal stress. Different colors of triangles represent sampling points, respectively.



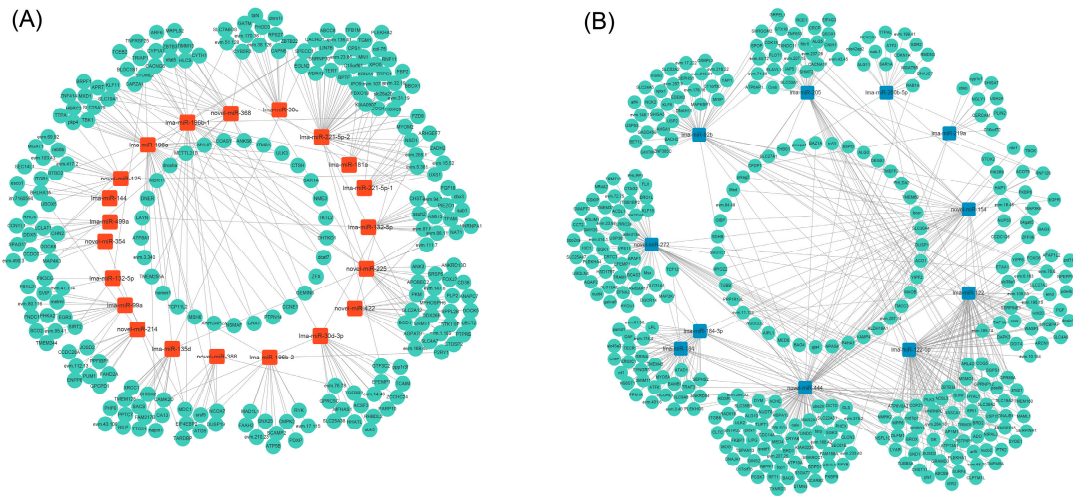
**Supplementary Figure S2** Verification of RNA-seq data by qPCR.



**Supplementary Figure S3** Characterization of miRNAs in spotted sea bass. (A) Length distribution of the clean reads for CG and HG. (B) The number of miRNAs in CG and HG.



**Supplementary Figure S4** Verification of three DEMs by qPCR.



**Supplementary Figure S5** Regulatory pairs of DEMs-DEGs. (A) Regulatory expression networks constructed by up-regulated DEMs and down-regulated DEGs. (B) Regulatory expression networks constructed by down-regulated DEMs and up-regulated DEGs.