

Supplementary Materials: Characterization of MicroRNAs Associated with Reproduction in the Brown Planthopper, *Nilaparvata lugens*

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Supplementary Materials:

Figure S1. Length distribution of identified small RNAs in the three developmental phases in *N. lugens*.

Figure S2. Expression level analysis of sequenced small RNAs in the three developmental phases in *N. lugens*.

Figure S3. Selected KEGG pathways derived from candidate target genes of DEMs (10 of 197 enriched KEGG pathways) of *N. lugens*. The *x-axis* represents the number of target genes. The *y-axis* represents the predicting involvement in reproduction KEGG pathways.

Figure S4. Gene Ontology (GO) annotation and classification of predicated target genes corresponding to 43 DEMs in *N. lugens*. The results are classified into three groups: biological process, cellular component and molecular function. The *x-axis* represents the different terms. The *y-axis* represents the number of genes.

Figure S5. The effect of the injection of miRNA mimics on fecundity in *N. lugens*. Newly emerged SW female adults were injected with miR-9, miR-275 and miR-317 mimics, and mimic-NC was injected as a negative control. Results are the mean \pm SEM of 20 independent experiments.

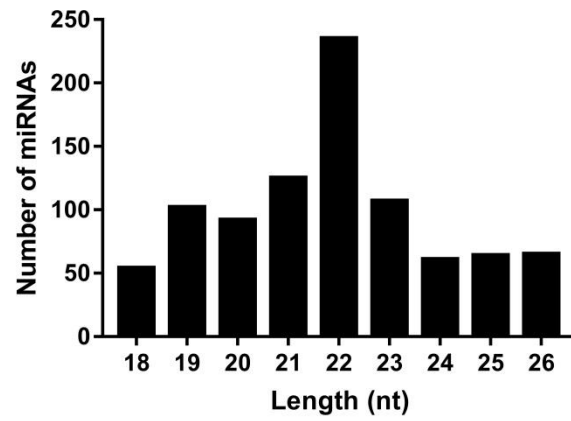


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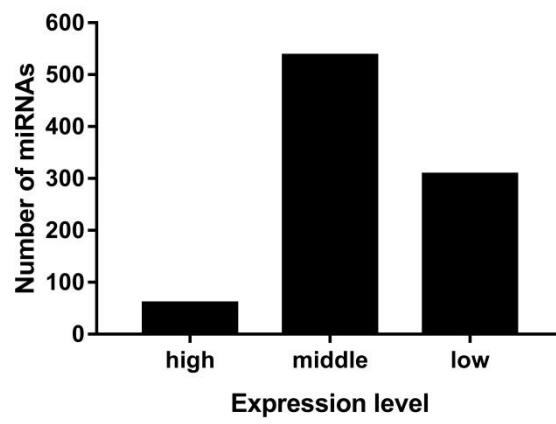


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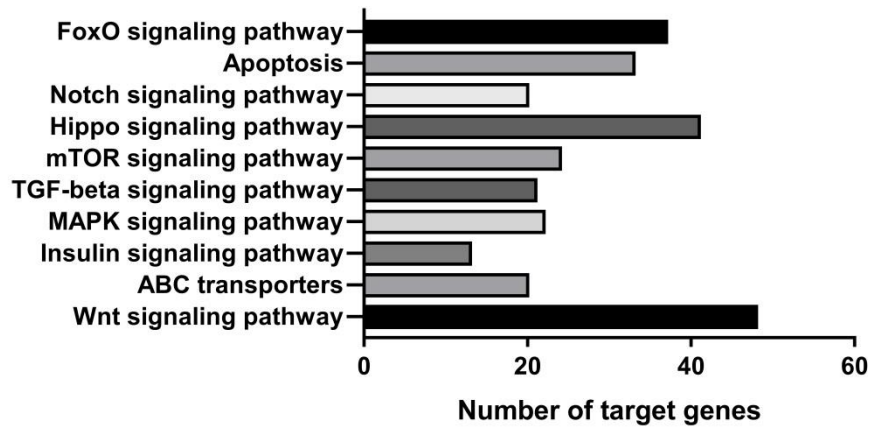


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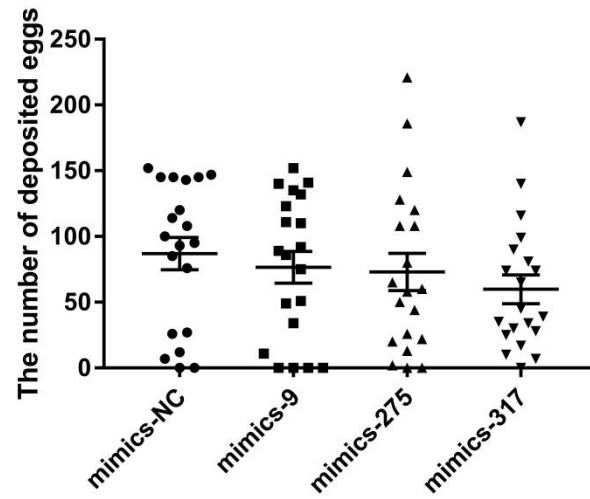


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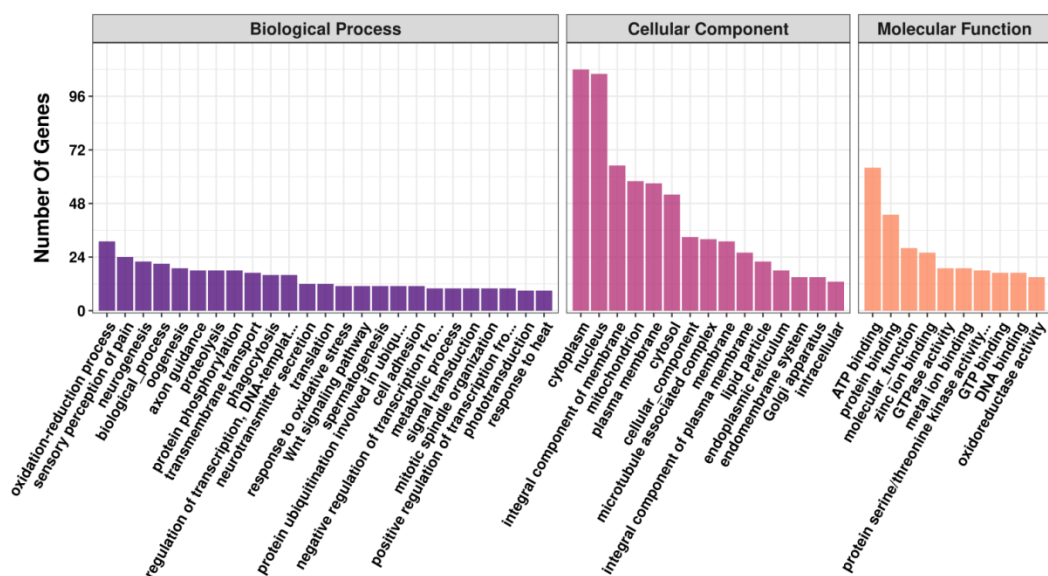


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