

Supplementary Data 1.

KEGG enrichment analysis of the *L. vannamei* expanded gene families.

Supplementary Data 2.

GO enrichment analysis of the *L. vannamei* expanded gene families

Supplementary Data 3.

Apolipoprotein family genes expressed in different tissues.

Supplementary Data 4.

Expression patterns (FPKM) of crustacean hyperglycemic hormone (CHH) genes transcripts in different tissues and molting stages of *L. vannamei*.

Supplementary Data 5. C

rustacean hyperglycemic hormone (CHH) genes in the genome of *L. vannamei*.

Supplementary Data 6.

The positively selected genes in the *L. vannamei* genome.

Supplementary Data 7.

Expression patterns (RPKM in the transcriptome) of differentially expressed immune-related genes at different molting stages of *L. vannamei*.

Supplementary Data 8.

The source data underlying figures in the manuscript.