

1 **Transcriptome analysis on the exoskeleton formation in early developmental**
2 **stages and reconstruction scenario in growth-moulting in *Litopenaeus vannamei***

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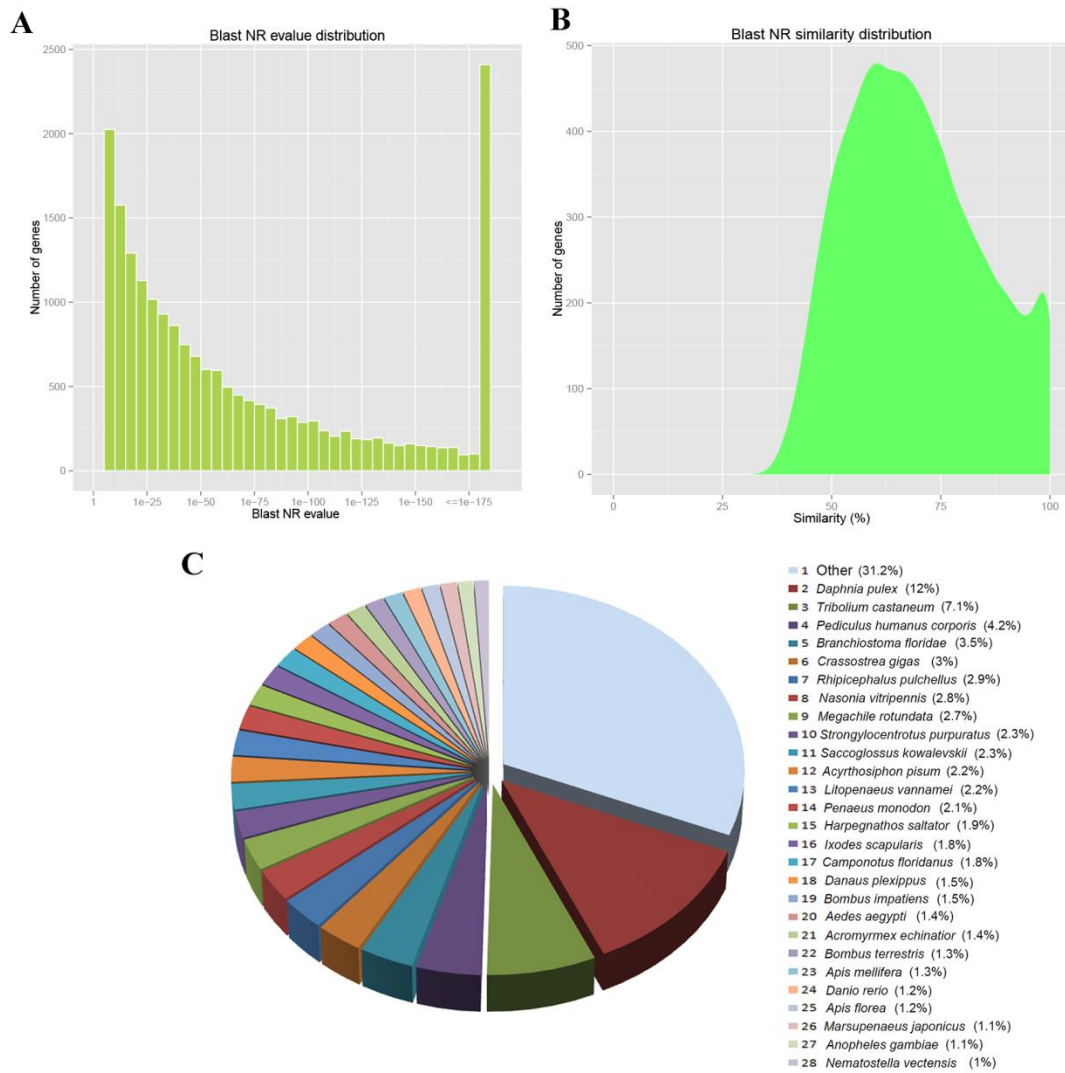
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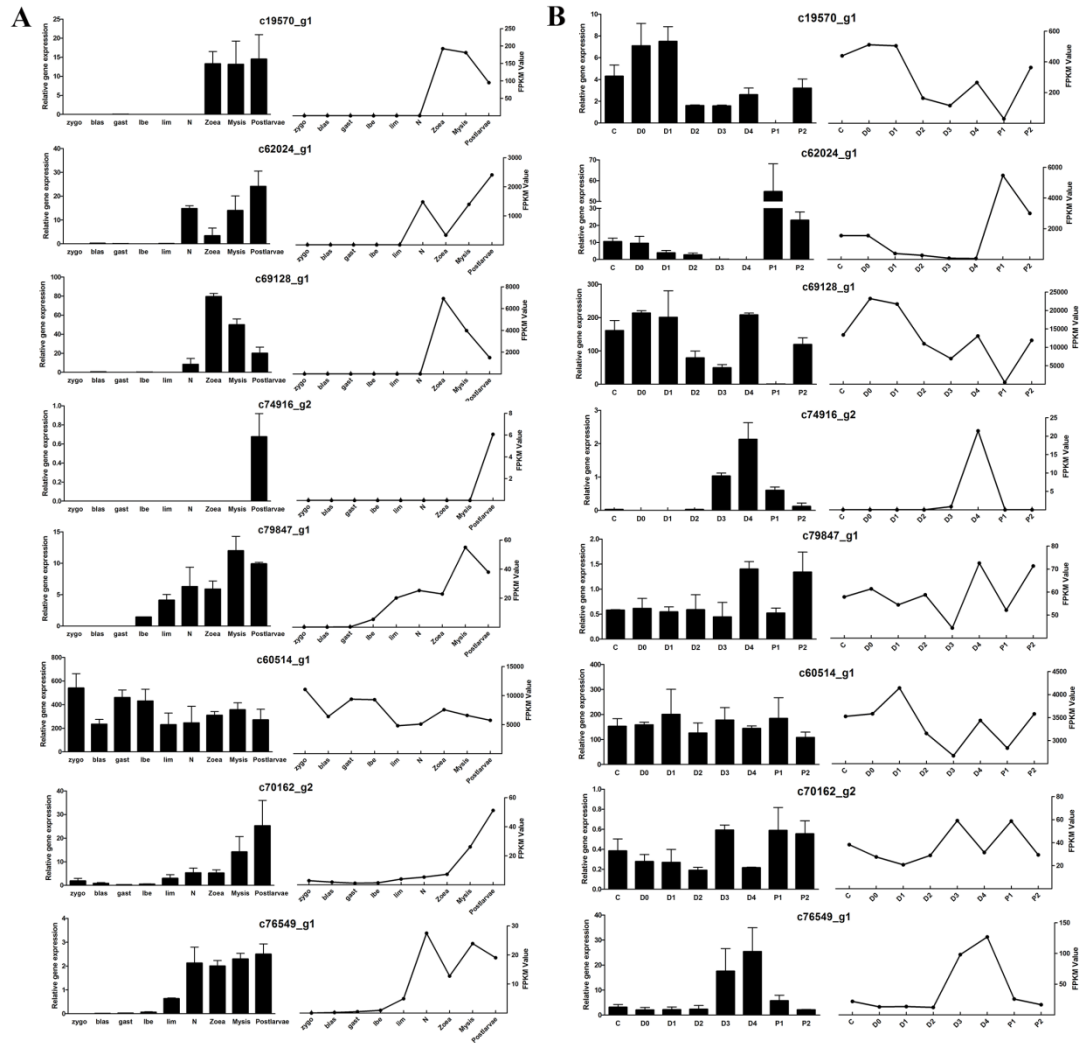


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16 **Fig. S1** Summary of the homology search for all unigenes against the NR database. (a) E-value

17 distribution of the best blast hits; (b) Similarity distribution of the best blast hits; (c) Species

18 distribution of the best blast hits.



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20 **Fig. S2.** Real-time quantitative PCR (qRT-PCR) validation. Eight differentially expressed genes
 21 were selected for validation in nine early development stages (A) and eight moulting stages (B).
 22 Expression results of qRT-PCR are shown on the left and expression profiles of RNA-sequencing
 23 on the right. The data are expressed as the mean +SD after normalization.