### Accepted Manuscript

De novo transcriptome analysis and differentially expressed genes in the ovary and testis of the Japanese mantis shrimp Oratosquilla oratoria by RNA-Seq

Hongwei Yan, Xin Cui, Xufang Shen, Lianshun Wang, Linan Jiang, Haiying Liu, Ying Liu, Qi Liu, Chen Jiang

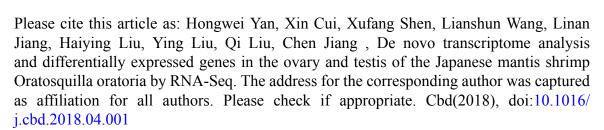
PII: S1744-117X(18)30016-9

DOI: doi:10.1016/j.cbd.2018.04.001

Reference: CBD 495

To appear in:

Received date: 5 September 2017 Revised date: 7 March 2018 Accepted date: 7 April 2018



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## **ACCEPTED MANUSCRIPT**

De novo transcriptome analysis and differentially expressed genes in the ovary and testis of the Japanese mantis shrimp Oratosquilla oratoria by RNA-Seq

Hongwei Yan<sup>a</sup>, Xin Cui<sup>a</sup>, Xufang Shen<sup>a</sup>, Lianshun Wang<sup>a</sup>, Linan Jiang<sup>a</sup>, Haiying Liu<sup>b</sup>, Ying Liu<sup>b</sup>, Qi Liu<sup>b\*</sup>, Chen Jiang<sup>a</sup>

<sup>a</sup> College of Fisheries and life Science, Dalian Ocean University, 116023, Dalian, Liaoning, China

<sup>b</sup> College of Marine Science and Environment Engineering, Dalian Ocean University, 116023, Dalian, Liaoning, China

**Running title:** Identification of genes involved in gonadal development by RNA-seq \*Corresponding author:

Qi Liu

College of Marine Science and Environment Engineering, Dalian Ocean University, 116023, Dalian, Liaoning, China

Tel.: +86 041184762089; liuqisunson@163.com

#### **Abstract**

The mantis shrimp *Oratosquilla oratoria* is a widely distributed, commercially important crustacean species. Although its conservation and the development of successful artificial breeding technologies have recently received considerable attention, there are currently no available data regarding the molecular mechanisms in controlling reproduction. In this study, we performed transcriptome sequencing of the testis, ovary, female and male eyestalks and the androgenic gland of *O. oratoria*, and compared the expression pattern of

#### Download English Version:

# https://daneshyari.com/en/article/8319258

Download Persian Version:

https://daneshyari.com/article/8319258

<u>Daneshyari.com</u>