Accepted Manuscript

Transcriptome reveals involvement of immune defense, oxidative imbalance, and apoptosis in ammonia-stress response of the black tiger shrimp (*Penaeus monodon*)

Yundong Li, Falin Zhou, Jianhua Huang, Lishi Yang, Song Jiang, Qibin Yang, Jianguo He, Shiqui Jiang

PII: \$1050-4648(18)30568-0

DOI: 10.1016/j.fsi.2018.09.026

Reference: YFSIM 5547

To appear in: Fish and Shellfish Immunology

Received Date: 19 July 2018

Revised Date: 4 September 2018 Accepted Date: 7 September 2018

Please cite this article as: Li Y, Zhou F, Huang J, Yang L, Jiang S, Yang Q, He J, Jiang S, Transcriptome reveals involvement of immune defense, oxidative imbalance, and apoptosis in ammoniastress response of the black tiger shrimp (*Penaeus monodon*), *Fish and Shellfish Immunology* (2018), doi: 10.1016/j.fsi.2018.09.026.

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

- 1 Transcriptome reveals involvement of immune defense, oxidative
- 2 imbalance, and apoptosis in ammonia-stress response of the black
- 3 tiger shrimp (Penaeus monodon)

4

- 5 Yundong Li ^{a, b}, Falin Zhou ^{b, c}, Jianhua Huang ^b, Lishi Yang ^b, Song Jiang ^b, Qibin
- 6 Yang ^b, Jianguo He ^{a, *}, Shigui Jiang ^{a, b, **}

7

- 8 a South China Sea Resource Exploitation and Protection Collaborative Innovation Center
- 9 (SCS-REPIC)/School of Marine Sciences, Sun Yat-sen University, Guangzhou, China
- 10 b South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, Key
- 11 Laboratory of South China Sea Fishery Resources Exploitation and Utilization, Ministry of
- 12 Agriculture and Rural Affairs, Guangzhou, China
- 13 c Shenzhen Base of South China Sea Fisheries Research Institute, Chinese Academy of
- 14 Fishery Sciences, Shenzhen, China

15

- *Corresponding author. School of Marine Sciences, Sun Yat-sen University, 135 Xingang
- 17 Road West, Guangzhou, 510275, China.
- 18 **Corresponding author. The South China Sea Fisheries Research Institute, Chinese Academy
- of Fishery Sciences, 231 Xingang Road West, Guangzhou, 510300, China.
- E-mail address: <u>lsshig@mail.sysu.edu.cn</u> (J. He) , jiangsg@21cn.com (S. Jiang).

21

Download English Version:

https://daneshyari.com/en/article/10148325

Download Persian Version:

 $\underline{https://daneshyari.com/article/10148325}$

Daneshyari.com