Accepted Manuscript

Molecular characterization and functional analysis of IL-12p40 from Chinese sea bass (*Lateolabrax maculatus*) under biotic and abiotic stresses

Xiang Chen, Pengfei Wang, Chao Zhao, Lulu Yan, Heizhao Lin, Lihua Qiu

PII: S1050-4648(18)30582-5

DOI: 10.1016/j.fsi.2018.09.038

Reference: YFSIM 5559

To appear in: Fish and Shellfish Immunology

Received Date: 3 July 2018

Revised Date: 21 August 2018

Accepted Date: 12 September 2018

Please cite this article as: Chen X, Wang P, Zhao C, Yan L, Lin H, Qiu L, Molecular characterization and functional analysis of IL-12p40 from Chinese sea bass (*Lateolabrax maculatus*) under biotic and abiotic stresses, *Fish and Shellfish Immunology* (2018), doi: https://doi.org/10.1016/j.fsi.2018.09.038.

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 | Molecular characterization and functional analysis of IL-12p40 from Chinese sea bass |
|----|---|
| 2 | (Lateolabrax maculatus) under biotic and abiotic stresses |
| 3 | |
| 4 | Xiang Chen ^{1,2} , Pengfei Wang ¹ , Chao Zhao ¹ , Lulu Yan ¹ , Heizhao Lin ⁴ and Lihua Qiu ^{1,3*} |
| 5 | |
| 6 | ¹ Key Laboratory of South China Sea Fishery Resources Exploitation & Utilization, Ministry of |
| 7 | Agriculture, South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, |
| 8 | Guangzhou, PR China |
| 9 | |
| 10 | ² National Demonstration Center for Experimental Fisheries Science Education, Shanghai Ocean |
| 11 | University, Shanghai, PR China |
| 12 | |
| 13 | ³ Guangdong Provincial Key Laboratory of Fishery Ecology and Environment, Guangzhou, PR China |
| 14 | |
| 15 | ⁴ Shenzhen Base of South China Sea Fisheries Research Institute, Chinese Academy of Fishery |
| 16 | Sciences, Shenzhen, PR China |
| 17 | |
| 18 | # These authors contributed equally to this work |
| 19 | * Corresponding author E-mail: qiugroup_bio@outlook.com |
| 20 | Address of correspondence: Dr. Lihua Qiu |
| 21 | The South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences |
| 22 | 231 Xingangxi Road, Guangzhou 510300, P. R. China |
| 23 | Tel: +86-20-89108308, Fax: +86-20-84451442 |
| 24 | |

Download English Version:

https://daneshyari.com/en/article/11029269

Download Persian Version:

https://daneshyari.com/article/11029269

<u>Daneshyari.com</u>