

Accepted Manuscript

Molecular characterization of three toll-like receptors (TLR21, TLR22, and TLR25) from a primitive ray-finned fish Dabry's sturgeon (*Acipenser dabryanus*)

Zhitao Qi, Sisi Wang, Xiaozhen Zhu, Yuanyuan Yang, Panpan Han, Qihuan Zhang, Shuhuan Zhang, Rong Shao, Qiaoqing Xu, Qiwei Wei



PII: S1050-4648(18)30499-6

DOI: [10.1016/j.fsi.2018.08.033](https://doi.org/10.1016/j.fsi.2018.08.033)

Reference: YFSIM 5491

To appear in: *Fish and Shellfish Immunology*

Received Date: 2 March 2018

Revised Date: 19 July 2018

Accepted Date: 14 August 2018

Please cite this article as: Qi Z, Wang S, Zhu X, Yang Y, Han P, Zhang Q, Zhang S, Shao R, Xu Q, Wei Q, Molecular characterization of three toll-like receptors (TLR21, TLR22, and TLR25) from a primitive ray-finned fish Dabry's sturgeon (*Acipenser dabryanus*), *Fish and Shellfish Immunology* (2018), doi: 10.1016/j.fsi.2018.08.033.

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.

Molecular characterization of three toll-like receptors (TLR21, TLR22, and TLR25) from a primitive ray-finned fish Dabry's sturgeon (*Acipenser dabryanus*)

Zhitao Qi^{a,*}, Sisi Wang^{b,a}, Xiaozhen Zhu^a, Yuanyuan Yang^a, Panpan Han^c, Qihuan Zhang^a, Shuhuan Zhang^d, Rong Shao^{a,**}, Qiaoqing Xu^c, Qiwei Wei^d

^aJiangsu Key Laboratory of Biochemistry and Biotechnology of Marine Wetland, Yancheng Institute of Technology, Yancheng, Jiangsu Province, 224051, China

^bCollege of Biotechnology, Jiangsu University of Science and Technology, Zhenjiang, Jiangsu Province, 212003, China

^cCollege of Animal Sciences, Yangtze University, Jingzhou, Hubei Province, 434020 China

^dKey Laboratory of Freshwater Biodiversity Conservation, Ministry of Agriculture of China, Yangtze River Fisheries Research Institute, Chinese Academy of Fishery Sciences, Wuhan, Hubei Province, 430223, China

*Corresponding author at: Corresponding author at: Jiangsu Key Laboratory of Biochemistry and Biotechnology of Marine Wetland, Yancheng Institute of Technology, Yancheng, Jiangsu Province, 224051, China.

E-mail address: qizhitao@ycit.edu.cn (Z. Qi) or sr@ycit.cn (R. Shao)

Download English Version:

<https://daneshyari.com/en/article/8498068>

Download Persian Version:

<https://daneshyari.com/article/8498068>

[Daneshyari.com](https://daneshyari.com)