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Comparative expression analysis of immune-related factors in the sea cucumber Apostichopus japonicus

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Comparative expression analysis of immune-related factors in the sea cucumber 1 Apostichopus japonicus 2 3 Authors: Jingwei Jiang, Zunchun Zhou*, Ying Dong, Zelong Zhao, Hongjuan Sun, Bai Wang, 4 5 Bei Jiang, Zhong Chen, Shan Gao 6 Liaoning Key Lab of Marine Fishery Molecular Biology, Liaoning Ocean and Fisheries 7 Science Research Institute, Dalian, Liaoning 116023, PR China 8 9 *Corresponding authors: <u>zunchunz@hotmail.com</u> 10 11 12 Abbreviations: Cu/Zn-SOD, Cu/Zn superoxide dismutase; 13 CAT, catalase; 14 15 c-LYZ, c-type lysozyme; i-LYZ, i-type lysozyme; 16 MTF, melanotransferrin; 17 c-LCT, c-type lectin; 18 C3, complement 3; 19 qRT-PCR, quantitative real-time PCR; 20 Cytb, cytochrome b; 21 Hsp, heat shock protein; 22 G⁺, Gram-positive; 23 G-, Gram-negative; 24 25 Hsp, heat shock protein. 26 27 28 29

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