Accepted Manuscript

Two host gut-derived lactic acid bacteria activate the proPO system and increase resistance to an AHPND-causing strain of *Vibrio parahaemolyticus* in the shrimp *Litopenaeus vannamei*



Sudarat Chomwong, Walaiporn Charoensapsri, Piti Amparyup, Anchalee Tassanakajon

PII: S0145-305X(18)30330-6

DOI: 10.1016/j.dci.2018.08.002

Reference: DCI 3230

To appear in: Developmental and Comparative Immunology

Received Date: 21 June 2018

Accepted Date: 04 August 2018

Please cite this article as: Sudarat Chomwong, Walaiporn Charoensapsri, Piti Amparyup, Anchalee Tassanakajon, Two host gut-derived lactic acid bacteria activate the proPO system and increase resistance to an AHPND-causing strain of *Vibrio parahaemolyticus* in the shrimp *Litopenaeus vannamei*, *Developmental and Comparative Immunology* (2018), doi: 10.1016/j.dci.2018.08.002

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	Two host gut-derived lactic acid bacteria activate the proPO system and
2	increase resistance to an AHPND-causing strain of Vibrio parahaemolyticus in
3	the shrimp Litopenaeus vannamei
4	
5	Sudarat Chomwong ^{a,b,c} , Walaiporn Charoensapsri ^{c,d} , Piti Amparyup ^{c,*} ,
6	and Anchalee Tassanakajon ^{a,*}
7	^a Center of Excellence for Molecular Biology and Genomics of Shrimp, Department
8	of Biochemistry, Faculty of Science, Chulalongkorn University, 254 Phayathai Road,
9	Bangkok 10330, Thailand
10	^b Program of Biotechnology, Faculty of Science, Chulalongkorn University, 254
11	Phayathai Road, Bangkok 10330, Thailand
12	^c National Center for Genetic Engineering and Biotechnology (BIOTEC), National
13	Science and Technology Development Agency (NSTDA), 113 Paholyothin Road,
14	Klong 1, Klong Luang, Pathumthani 12120, Thailand
15	^d Center of Excellence for Shrimp Molecular Biology and Biotechnology (Centex
16	Shrimp), Faculty of Science, Mahidol University, Rama VI Road, Bangkok 10400,
17	Thailand
18	
19	Keywords: Probiotic, Lactic Acid Bacteria, Shrimp, Vibrio parahaemolyticus
20	Immunity, proPO system
21	*Corresponding author.
22	E-mail address: piti.amp@biotec.or.th (P. Amparyup).
23	*Corresponding author.
24	E-mail address: anchalee.k@chula.ac.th (A. Tassanakajon).

Download English Version:

https://daneshyari.com/en/article/8497594

Download Persian Version:

https://daneshyari.com/article/8497594

<u>Daneshyari.com</u>