Accepted Manuscript

Synergistic effects of dietary supplementation of *Bacillus subtilis* WB60 and mannanoligosaccharide (MOS) on growth performance, immunity and disease resistance in Japanese eel, *Anguilla japonica*

Seunghan Lee, Kumar Katya, Ali Hamidoghli, Jeongwhui Hong, Dae-Jung Kim, Sungchul C. Bai

PII: \$1050-4648(18)30575-8

DOI: 10.1016/j.fsi.2018.09.031

Reference: YFSIM 5552

To appear in: Fish and Shellfish Immunology

Received Date: 18 May 2018

Revised Date: 8 September 2018 Accepted Date: 9 September 2018

Please cite this article as: Lee S, Katya K, Hamidoghli A, Hong J, Kim D-J, Bai SC, Synergistic effects of dietary supplementation of *Bacillus subtilis* WB60 and mannanoligosaccharide (MOS) on growth performance, immunity and disease resistance in Japanese eel, *Anguilla japonica*, *Fish and Shellfish Immunology* (2018), doi: 10.1016/j.fsi.2018.09.031.

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	Synergistic effects of dietary supplementation of Bacillus subtilis WB60 and
2	mannanoligosaccharide (MOS) on growth performance, immunity and disease
3	resistance in Japanese eel, Anguilla japonica
4	
_	Seunghan Lee ^{a,b} , Kumar Katya ^c , Ali Hamidoghli ^a , Jeongwhui Hong ^b , Dae-Jung Kim ^d ,
5	
6	Sungchul C. Bai ^a *
7	
8	^a Dept. of Marine Bio-materials and Aquaculture/Feeds & Foods Nutrition Research
9	Center, Pukyong National University, Busan 48513, Rep. of Korea
10	^b University of Idaho, Hagerman Fish Culture Experiment Station, Hagerman, ID 83332, USA
11	^c Homegrown Farms Sdn. Bhd. Semenyih, Kuala Lumpur 43500, Malaysia
11	110megrown Farms San. Bha. Semenyin, Rudia Lumpur 45500, Malaysia
12	^d Jeju Fisheries Research Institute, National Institute of Fisheries Science, Jeju 63068, Rep. of
13	Korea
14	
15	* Correspondence: Sungchul C. Bai
16	Telephone +82-51-629-7922, Fax +82-51-628-6873
10	Telephone 102 31 025 7722, 1 ux 102 31 020 0073
17	E-mail: scbai@pknu.ac.kr
18	
19	
20	
20	
21	
22	

Download English Version:

https://daneshyari.com/en/article/10148360

Download Persian Version:

https://daneshyari.com/article/10148360

<u>Daneshyari.com</u>