

Accepted Manuscript

Marine yeast *Yarrowia lipolytica* improves the immune responses in Pacific red snapper (*Lutjanus peru*) leukocytes

Erika Alamillo, Martha Reyes-Becerril, Alberto Cuesta, Carlos Angulo



PII: S1050-4648(17)30502-8

DOI: [10.1016/j.fsi.2017.08.036](https://doi.org/10.1016/j.fsi.2017.08.036)

Reference: YFSIM 4778

To appear in: *Fish and Shellfish Immunology*

Received Date: 8 May 2017

Revised Date: 19 August 2017

Accepted Date: 27 August 2017

Please cite this article as: Alamillo E, Reyes-Becerril M, Cuesta A, Angulo C, Marine yeast *Yarrowia lipolytica* improves the immune responses in Pacific red snapper (*Lutjanus peru*) leukocytes, *Fish and Shellfish Immunology* (2017), doi: 10.1016/j.fsi.2017.08.036.

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.

Marine yeast *Yarrowia lipolytica* improves the immune responses in Pacific red snapper (*Lutjanus peru*) leukocytes

Erika Alamillo^a, Martha Reyes-Becerril^a, Alberto Cuesta^b, Carlos Angulo^{a*}

^aImmunology & Vaccinology Group. Centro de Investigaciones Biológicas del Noroeste (CIBNOR), Instituto Politécnico Nacional 195, Playa Palo de Santa Rita, La Paz, B.C.S. 23096, México.

^bFish Innate Immune System Group, Department of Cell Biology & Histology, Faculty of Biology, Regional Campus of International Excellence “Campus Mare Nostrum”, University of Murcia, Spain.

*Corresponding author: Tel: +52 6121238484

E-mail address: eangulo@cibnor.mx (C. Angulo).

Download English Version:

<https://daneshyari.com/en/article/5540263>

Download Persian Version:

<https://daneshyari.com/article/5540263>

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