

Accepted Manuscript

Identification of an interferon-stimulated gene, *isg15*, involved in host immune defense against viral infections in gilthead seabream (*Sparus aurata* L.)

Daniel Álvarez-Torres, Victoria Gómez-Abellán, Marta Arizcun, Esther García-Rosado, Julia Béjar, María P. Sepulcre



PII: S1050-4648(17)30768-4

DOI: [10.1016/j.fsi.2017.12.027](https://doi.org/10.1016/j.fsi.2017.12.027)

Reference: YFSIM 5012

To appear in: *Fish and Shellfish Immunology*

Received Date: 10 October 2017

Revised Date: 7 November 2017

Accepted Date: 18 December 2017

Please cite this article as: Álvarez-Torres D, Gómez-Abellán V, Arizcun M, García-Rosado E, Béjar J, Sepulcre MariP, Identification of an interferon-stimulated gene, *isg15*, involved in host immune defense against viral infections in gilthead seabream (*Sparus aurata* L.), *Fish and Shellfish Immunology* (2018), doi: 10.1016/j.fsi.2017.12.027.

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.

1 **Identification of an interferon-stimulated gene, *isg15*, involved in host
2 immune defense against viral infections in gilthead seabream (*Sparus*
3 ***aurata* L.**)**

4

5

6 Daniel Álvarez-Torres^{a,b}, Victoria Gómez-Abellán^c, Marta Arizcun^d, Esther García-
7 Rosado^a, Julia Béjar^b, María P. Sepulcre^{c*}

8

9 ^a*Departamento de Microbiología, Facultad de Ciencias, Universidad de Málaga, 29071
10 Málaga, España.*

11 ^b*Departamento de Genética, Facultad de Ciencias, Universidad de Málaga, 29071
12 Málaga, España.*

13 ^c*Departamento de Biología Celular e Histología, Facultad de Biología, Universidad de
14 Murcia, IMIB-Arrixaca, 30100 Murcia, España.*

15 ^d*Centro Oceanográfico de Murcia, Instituto Español de Oceanografía (IEO), 30860
16 Murcia, España.*

17

18 *Correspondence:

19 Dr. María Pilar Sepulcre

20 Departamento de Biología Celular e Histología, Facultad de Biología
21 Universidad de Murcia, 30100 Murcia, España.

22 E-mail: mpsepul@um.es

23

24 **Running title:** Identification of the *Sparus aurata* L. *isg-15* gene

25

26 **Keywords:** teleost, *isg15* gene, antiviral activity, SJNNV, VHSV, IFN I, phagocytes

Download English Version:

<https://daneshyari.com/en/article/8498801>

Download Persian Version:

<https://daneshyari.com/article/8498801>

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