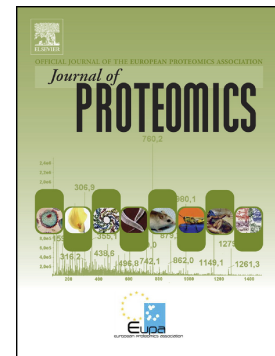


## Accepted Manuscript

Intensity fading MALDI-TOF mass spectrometry and functional proteomics assignments to identify protease inhibitors in marine invertebrates

Giovanni Covaleda, Sebastian A. Trejo, Emir Salas-Sarduy, Maday Alonso del Rivero, Maria Angeles Chavez, Francesc X. Aviles



PII: S1874-3919(17)30196-3  
DOI: doi: [10.1016/j.jprot.2017.05.027](https://doi.org/10.1016/j.jprot.2017.05.027)  
Reference: JPROT 2866

To appear in: *Journal of Proteomics*

Received date: 16 February 2017

Revised date: 20 May 2017

Accepted date: 31 May 2017

Please cite this article as: Giovanni Covaleda, Sebastian A. Trejo, Emir Salas-Sarduy, Maday Alonso del Rivero, Maria Angeles Chavez, Francesc X. Aviles , Intensity fading MALDI-TOF mass spectrometry and functional proteomics assignments to identify protease inhibitors in marine invertebrates, *Journal of Proteomics* (2016), doi: [10.1016/j.jprot.2017.05.027](https://doi.org/10.1016/j.jprot.2017.05.027)

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.

# Intensity fading maldi-tof mass spectrometry and functional proteomics assignments to identify protease inhibitors in marine invertebrates

*(revised version 2017May19 & saved changes)*

**Giovanni Covalada<sup>1§</sup>, Sebastian A. Trejo<sup>2§</sup>, Emir Salas-Sarduy<sup>3</sup>, Maday Alonso del Rivero<sup>3</sup>, Maria Angeles Chavez<sup>3†</sup> and Francesc X. Aviles<sup>1\*</sup>**

<sup>1</sup>Institut de Biotecnologia i de Biomedicina and Departament de Bioquímica, Universitat Autònoma de Barcelona, 08193 Bellaterra (Barcelona), Spain

<sup>2</sup>Servei de Proteòmica i Biologia Estructural SePBioEs, Universitat Autònoma de Barcelona, 08193 Bellaterra (Barcelona), Spain

<sup>3</sup>Centro de Estudio de Proteínas, Facultad de Biología, Universidad de la Habana, Cuba

**\*Correspondence and communication to:** Francesc Xavier Aviles Puigvert

Tel: +34-93-586-8957; fax: +34-93-581-2011; e-mail: [FrancescXavier.Aviles@uab.es](mailto:FrancescXavier.Aviles@uab.es).

**†Co-correspondence:** Maria Angeles Chavez Planes

Tel: +53-7-832-4830; fax: +53-7-832-1321; e-mail: [mchavez@fbio.uh.cu](mailto:mchavez@fbio.uh.cu).

**§**Both authors have contributed equally to this work.

## ABSTRACT

Proteases and their inhibitors have become molecules of increasing fundamental and applicative value. Here we report an integrated strategy to identify and analyse such inhibitors from Caribbean marine invertebrates extracts by a fast and sensitive functional proteomics-like approach. The strategy works in three steps: i) multiplexed enzymatic inhibition kinetic assays,

Download English Version:

<https://daneshyari.com/en/article/5138475>

Download Persian Version:

<https://daneshyari.com/article/5138475>

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