

Accepted Manuscript

Detection of muscle-specific creatine kinase expression as physiological indicator for Atlantic salmon (*Salmo salar* L) skeletal muscle damage

Verónica Rojas, Byron Morales-Lange, Rubén Avendaño-Herrera, Matías Poblete-Morales, Diana Tapia-Cammas, Fanny Guzmán, Sergio H. Marshall, Luis Mercado



PII: S0044-8486(18)30141-8
DOI: doi:[10.1016/j.aquaculture.2018.07.006](https://doi.org/10.1016/j.aquaculture.2018.07.006)
Reference: AQUA 633377
To appear in: *aquaculture*
Received date: 19 January 2018
Revised date: 5 July 2018
Accepted date: 6 July 2018

Please cite this article as: Verónica Rojas, Byron Morales-Lange, Rubén Avendaño-Herrera, Matías Poblete-Morales, Diana Tapia-Cammas, Fanny Guzmán, Sergio H. Marshall, Luis Mercado , Detection of muscle-specific creatine kinase expression as physiological indicator for Atlantic salmon (*Salmo salar* L) skeletal muscle damage. *Aqua* (2018), doi:[10.1016/j.aquaculture.2018.07.006](https://doi.org/10.1016/j.aquaculture.2018.07.006)

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.

Detection of muscle-specific creatine kinase expression as physiological indicator for Atlantic salmon (*Salmo salar* L) skeletal muscle damage

Running title: M-CK detection in *S. salar*

Verónica Rojas^{1*}, Byron Morales-Lange¹, Rubén Avendaño-Herrera^{2,3,4}, Matías Poblete-Morales^{2,3}, Diana Tapia-Cammas^{2,3}, Fanny Guzmán⁵, Sergio H. Marshall^{1,5} and Luis Mercado^{1,5}

¹ Laboratorio de Genética e Inmunología Molecular, Instituto de Biología, Facultad de Ciencias, Pontificia Universidad Católica de Valparaíso, Campus Curauma, Avenida Universidad #330, Valparaíso, 2373223, Chile.

² Universidad Andrés Bello, Laboratorio de Patología de Organismos Acuáticos y Biotecnología Acuícola, Facultad de Ciencias Biológicas, Quillota #980, BIO-416, Viña del Mar, Chile.

³ Interdisciplinary Center for Aquaculture Research (INCAR), Viña del Mar, Chile.

⁴ Centro de Investigaciones Marina Quintay (CIMARQ), Universidad Andrés Bello, Quintay, Chile

⁵ Núcleo de Biotecnología de Curauma, Pontificia Universidad Católica de Valparaíso, Avenida Universidad #330, Valparaíso, 2373223, Chile.

*Corresponding autor at: Instituto de Biología, Facultad de Ciencias, Pontificia Universidad Católica de Valparaíso, Av. Universidad N° 330, Placilla sector Curauma, Valparaíso 2373223, Chile.

e-mail: veronica.rojas@pucv.cl

Download English Version:

<https://daneshyari.com/en/article/8492920>

Download Persian Version:

<https://daneshyari.com/article/8492920>

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