

Accepted Manuscript

Exogenous enzymes supplementation enhances diet digestibility and digestive function and affects intestinal microbiota of turbot (*Scophthalmus maximus*) juveniles fed distillers' dried grains with solubles (DDGS) based diets

Alexandre F. Diógenes, Carolina Castro, Marta Carvalho, Rui Magalhães, Tassia T. Estevão-Rodrigues, Cláudia R. Serra, Aires Oliva-Teles, Helena Peres



PII: S0044-8486(17)31438-2
DOI: doi:[10.1016/j.aquaculture.2017.12.013](https://doi.org/10.1016/j.aquaculture.2017.12.013)
Reference: AQUA 632967
To appear in: *aquaculture*
Received date: 20 July 2017
Revised date: 4 December 2017
Accepted date: 7 December 2017

Please cite this article as: Alexandre F. Diógenes, Carolina Castro, Marta Carvalho, Rui Magalhães, Tassia T. Estevão-Rodrigues, Cláudia R. Serra, Aires Oliva-Teles, Helena Peres , Exogenous enzymes supplementation enhances diet digestibility and digestive function and affects intestinal microbiota of turbot (*Scophthalmus maximus*) juveniles fed distillers' dried grains with solubles (DDGS) based diets. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Aqua(2017), doi:[10.1016/j.aquaculture.2017.12.013](https://doi.org/10.1016/j.aquaculture.2017.12.013)

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.

Exogenous enzymes supplementation enhances diet digestibility and digestive function and affects intestinal microbiota of turbot (*Scophthalmus maximus*) juveniles fed distillers' dried grains with solubles (DDGS) based diets

Alexandre F. Diógenes^{1,2*}, Carolina Castro^{1,2}, Marta Carvalho^{1,2}, Rui Magalhães^{1,2}, Tassia T. Estevão-Rodrigues², Cláudia R. Serra^{1,2}, Aires Oliva-Teles^{1,2}, Helena Peres^{1,2}

¹CIMAR/CIIMAR – Centro Interdisciplinar de Investigação Marinha e Ambiental, Universidade do Porto, Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos, 4450-208 Matosinhos, Portugal

²Departamento de Biologia, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre, Edifício FC4, 4169-007 Porto, Portugal

*Corresponding author:

Departamento de Biologia, Faculdade de Ciências, Universidade do Porto, Rua do Campo Alegre, Edifício FC4, 4169-007 Porto, Portugal

Tel.: +351 220402789; Fax: +351 223401511. E-mail address:
alexandre_diogenes@hotmail.com

Download English Version:

<https://daneshyari.com/en/article/8493448>

Download Persian Version:

<https://daneshyari.com/article/8493448>

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