

Accepted Manuscript

Fumonisin B1 + B2 change the expression of genes in apoptosis balance in Nile tilapia fingerlings

S.C.C. Silva, B. Lala, N.H.A.P. Mora, C.R. Schamber, C.S. Nascimento, V.V. Pereira, D.L. Hedler, E. Gasparino



PII: S0044-8486(17)30780-9
DOI: <https://doi.org/10.1016/j.aquaculture.2018.01.020>
Reference: AQUA 633022
To appear in: *aquaculture*
Received date: 21 April 2017
Revised date: 15 January 2018
Accepted date: 16 January 2018

Please cite this article as: S.C.C. Silva, B. Lala, N.H.A.P. Mora, C.R. Schamber, C.S. Nascimento, V.V. Pereira, D.L. Hedler, E. Gasparino, Fumonisin B1 + B2 change the expression of genes in apoptosis balance in Nile tilapia fingerlings. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Aqua(2017), <https://doi.org/10.1016/j.aquaculture.2018.01.020>

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.

Fumonisin B1 + B2 change the expression of genes in apoptosis balance in Nile tilapia fingerlings

Silva, S. C.C.^a, Lala, B.^{b*}, Mora, N.H.A.P.^c, Schamber, C.R.^d, Nascimento, C.S.^e, Pereira, V.V.^f, Hedler, D. L.^g and Gasparino, E.^h

^aPhD Professor – Department of Veterinary Science – UNICESUMAR – Maringá, Brazil.

^bPhD Student – Department of Animal Science – UNESP – São Paulo State University, FMVZ – Botucatu, Brazil

^cPhD Professor – Department of Animal Science – Faculdades Unidas do Vale do Araguaia, Barra do Garças, Brazil.

^dPhD Researcher – Department of Pharmacology and Therapeutics– UEM – State University of Maringá, Maringá, Brazil.

^ePh.D. Professor – Department of Animal Science – Federal University of Sergipe, Brazil.

^fPhD Professor – Department of Engineering – Faculdade Pitágoras, Divinópolis, Brazil.

^fGraduate Student – Department of Veterinary Science – UNICESUMAR – PROBIC Scholarship, Maringá, Brazil.

^hPhD Professor – Department of Animal Science – UEM – State University of Maringá, Maringá, Brazil.

*Corresponding author: Bruno Lala. e-mail: brunolala@hotmail.com

Download English Version:

<https://daneshyari.com/en/article/8493381>

Download Persian Version:

<https://daneshyari.com/article/8493381>

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