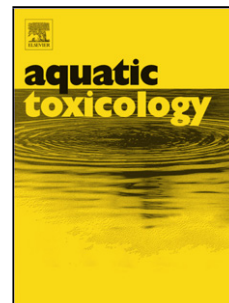


Accepted Manuscript

Title: RNA-sequencing and pathway analysis reveal alteration of hepatic steroid biosynthesis and retinol metabolism by tributyltin exposure in male rare minnow (*Gobiocypris rarus*)

Author: Jiliang Zhang Chunnuan Zhang Ping Sun Maoxian
Huang Mingzhen Fan Min Liu



PII: S0166-445X(17)30085-1
DOI: <http://dx.doi.org/doi:10.1016/j.aquatox.2017.03.015>
Reference: AQTOX 4624

To appear in: *Aquatic Toxicology*

Received date: 26-8-2016
Revised date: 17-3-2017
Accepted date: 18-3-2017

Please cite this article as: Zhang, J., Zhang, C., Sun, P., Huang, M., Fan, M., Liu, M., RNA-sequencing and pathway analysis reveal alteration of hepatic steroid biosynthesis and retinol metabolism by tributyltin exposure in male rare minnow (*Gobiocypris rarus*), *Aquatic Toxicology* (2017), <http://dx.doi.org/10.1016/j.aquatox.2017.03.015>

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.

RNA-sequencing and pathway analysis reveal alteration of hepatic steroid biosynthesis and retinol metabolism by tributyltin exposure in male rare minnow (*Gobiocypris rarus*)

Jiliang Zhang^{a*}, Chunnuan Zhang^a, Ping Sun^a, Maoxian Huang^a, Mingzhen Fan^a, Min Liu^a

^a Henan Open Laboratory of key subjects of Environmental and Animal Products Safety, College of Animal Science and Technology, Henan University of Science and Technology, Henan, China

* Corresponding author at: College of Animal Science and Technology, Henan University of Science and Technology, 263 Kaiyuan Road, Luoyang, Henan, 471023, P.R. China. Tel.: +86 379 64282341; fax: +86 379 64282341.

jiliang_zhang@126.com

Highlights

- ▶ Hepatic transcriptome of rare minnow was analyzed in response to TBT.
- ▶ TBT disturbed the hepatic steroid biosynthesis and retinol metabolism pathway.
- ▶ The two pathways offered new mechanisms underlying the toxicology of TBT.

Download English Version:

<https://daneshyari.com/en/article/5764227>

Download Persian Version:

<https://daneshyari.com/article/5764227>

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