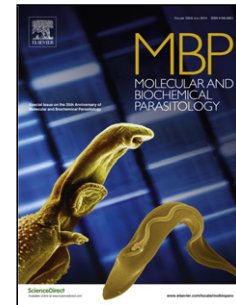


Accepted Manuscript

Title: *Schistosoma mansoni* displays an adenine phosphoribosyltransferase preferentially expressed in mature female gonads and vitelaria

Authors: Ana Eliza Zeraik, Vitor Hugo Balasco Serrão, Larissa Romanello, Juliana Roberta Torini, Alexandre Cassago, Ricardo DeMarco, Humberto D'Muniz Pereira



PII: S0166-6851(17)30051-8
DOI: <http://dx.doi.org/doi:10.1016/j.molbiopara.2017.04.004>
Reference: MOLBIO 11065

To appear in: *Molecular & Biochemical Parasitology*

Received date: 20-12-2016
Revised date: 4-4-2017
Accepted date: 5-4-2017

Please cite this article as: Zeraik Ana Eliza, Balasco Serrão Vitor Hugo, Romanello Larissa, Torini Juliana Roberta, Cassago Alexandre, DeMarco Ricardo, Pereira Humberto D'Muniz. *Schistosoma mansoni* displays an adenine phosphoribosyltransferase preferentially expressed in mature female gonads and vitelaria. *Molecular and Biochemical Parasitology* <http://dx.doi.org/10.1016/j.molbiopara.2017.04.004>

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.

Schistosoma mansoni displays an adenine phosphoribosyltransferase preferentially expressed in mature female gonads and vitelaria

Ana Eliza Zeraik^{1*}, Vitor Hugo Balasco Serrão¹, Larissa Romanello¹, Juliana Roberta Torini¹, Alexandre Cassago², Ricardo DeMarco¹, Humberto D'Muniz Pereira¹

1- São Carlos Institute of Physics, São Paulo University, São Carlos-SP, 13563-120, Brazil. 2- Brazilian Nanotechnology National Laboratory – LNNano/CNPEM, Campinas-SP, 13083-970, Brazil

*Corresponding author.

E-mail address: anazeraik@gmail.com. A.E. Zeraik.

Graphical Abstract



Highlights Adenine phosphoribosyltransferase 1 (APRT 1) is preferentially expressed in the female gonads.

- *S. mansoni* possesses three different APRT copies.
- Gene duplication events might be related to sexual specialization.

Keywords: Purine salvage pathway; ; , adenine phosphoribosyltransferase, *Schistosoma mansoni*.

Download English Version:

<https://daneshyari.com/en/article/5591747>

Download Persian Version:

<https://daneshyari.com/article/5591747>

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