

Accepted Manuscript

Phylogeography and connectivity of molluscan parasites: *Perkinsus* spp. in Panama and beyond

Katrina M. Pagenkopp Lohan, Kristina M. Hill-Spanik, Mark E. Torchin, Robert C. Fleischer, Ryan B. Carnegie, Kimberly S. Reece, Gregory M. Ruiz

PII: S0020-7519(17)30318-1
DOI: <https://doi.org/10.1016/j.ijpara.2017.08.014>
Reference: PARA 4009

To appear in: *International Journal for Parasitology*

Received Date: 17 February 2017
Revised Date: 31 July 2017
Accepted Date: 5 August 2017

Please cite this article as: Pagenkopp Lohan, K.M., Hill-Spanik, K.M., Torchin, M.E., Fleischer, R.C., Carnegie, R.B., Reece, K.S., Ruiz, G.M., Phylogeography and connectivity of molluscan parasites: *Perkinsus* spp. in Panama and beyond, *International Journal for Parasitology* (2017), doi: <https://doi.org/10.1016/j.ijpara.2017.08.014>

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.



1 **Phylogeography and connectivity of molluscan parasites: *Perkinsus* spp. in Panama**
2 **and beyond**

3 Katrina M. Pagenkopp Lohan^{a,b,*}, Kristina M. Hill-Spanik^{a,c,d}, Mark E. Torchin^e, Robert
4 C. Fleischer^c, Ryan B. Carnegie^f, Kimberly S. Reece^f, Gregory M. Ruiz^a

5
6 ^a *Marine Invasions Research Laboratory, Smithsonian Environmental Research Center,*
7 *Edgewater, MD 21037, USA*

8 ^b *Present address: Marine Disease Ecology Laboratory, Smithsonian Environmental*
9 *Research Center, Edgewater, MD 21037, USA*

10 ^c *Center for Conservation Genomics, Smithsonian Conservation Biology Institute,*
11 *National Zoological Park, Washington, DC 20008, USA*

12 ^d *Present address: Grice Marine Lab, College of Charleston, Charleston, SC 29412, USA*

13 ^e *Smithsonian Tropical Research Institute, Apartado 0843-03092, Balboa, Ancon,*
14 *Republic of Panama*

15 ^f *Department of Aquatic Health Sciences, Virginia Institute of Marine Science, College of*
16 *William & Mary, Gloucester Point, VA 23062, USA*

17

18 *Corresponding author. K.M. Pagenkopp Lohan, Marine Disease Ecology Laboratory,
19 Smithsonian Environmental Research Center, 647 Contees Wharf Rd., Edgewater, MD

20 21037, USA. Tel.: +1 443 482-2225; fax: +1 443-482-2380.

21 *E-mail address: lohank@si.edu*

22

23 Note: Supplementary data associated with this manuscript.

24

Download English Version:

<https://daneshyari.com/en/article/8500157>

Download Persian Version:

<https://daneshyari.com/article/8500157>

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