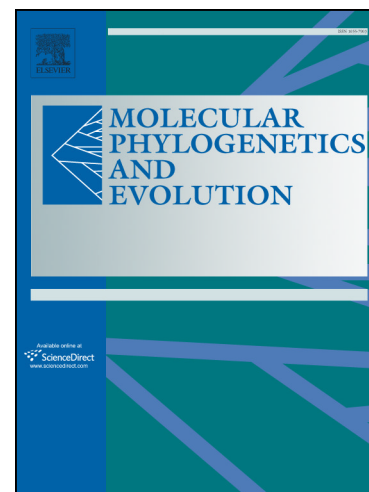


Accepted Manuscript

A preliminary molecular phylogeny of shield-bearer moths (Lepidoptera: Adeloidea: Heliozelidae) highlights rich undescribed diversity

Liz Milla, Erik J. van Nieukerken, Ruben Vijverberg, Camiel Doorenweerd, Stephen A. Wilcox, Mike Halsey, David A. Young, Thérèse M. Jones, Axel Kallies, Douglas J. Hilton

PII: S1055-7903(17)30422-0
DOI: <https://doi.org/10.1016/j.ympev.2017.12.004>
Reference: YMPEV 5991



To appear in: *Molecular Phylogenetics and Evolution*

Received Date: 4 June 2017
Revised Date: 24 November 2017
Accepted Date: 4 December 2017

Please cite this article as: Milla, L., van Nieukerken, E.J., Vijverberg, R., Doorenweerd, C., Wilcox, S.A., Halsey, M., Young, D.A., Jones, T.M., Kallies, A., Hilton, D.J., A preliminary molecular phylogeny of shield-bearer moths (Lepidoptera: Adeloidea: Heliozelidae) highlights rich undescribed diversity, *Molecular Phylogenetics and Evolution* (2017), doi: <https://doi.org/10.1016/j.ympev.2017.12.004>

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.

A preliminary molecular phylogeny of shield-bearer moths (Lepidoptera: Adeloidea: Heliozelidae) highlights rich undescribed diversity

Liz Milla^{1,*,#}, Erik J. van Nieukerken^{2,#}, Ruben Vijverberg², Camiel Doorenweerd², Stephen A. Wilcox¹, Mike Halsey⁴, David A. Young³, Thérèse M. Jones¹, Axel Kallies¹ and Douglas J. Hilton¹

¹School of BioSciences, The University of Melbourne, Parkville, Victoria 3010, Australia

²Naturalis Biodiversity Center, PO Box 9517, 2300 RA Leiden, The Netherlands

³D'Estrees Entomology & Science Services, Kingscote 5223, Australia

⁴Faculty of Health and Life Sciences, Oxford Brookes University, England

[#]These authors contributed equally to this work.

*Corresponding author. Email: emilla@student.unimelb.edu.au

Keywords:

Lepidoptera

Multilocus phylogeny

Taxonomy

Family-level phylogeny

Australia

Highlights:

- First molecular phylogeny of the shield-bearer moth family (Heliozelidae)
- Five major clades suggested by molecular evidence
- Rich undescribed species diversity prevalent in southern hemisphere, particularly in Australia

Download English Version:

<https://daneshyari.com/en/article/8648996>

Download Persian Version:

<https://daneshyari.com/article/8648996>

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