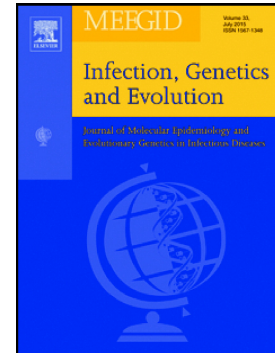


The benefits of analysing complete mitochondrial genomes: Deep insights into the phylogeny and population structure of *Echinococcus granulosus* sensu lato genotypes G6 and G7

Teivi Laurimäe, Liina Kinkar, Thomas Romig, Rihab A. Omer, Adriano Casulli, Gérald Umhang, Robin B. Gasser, Abdul Jabbar, Mitra Sharbatkhori, Hossein Mirhendi, Francisco Ponce-Gordo, Lorena E. Lazzarini, Silvia V. Soriano, Antonio Varcasia, Mohammad Rostami Nejad, Vanessa Andresiuk, Pablo Maravilla, Luis Miguel González, Monika Dybicz, Jakub Gawor, Mindaugas Šarkūnas, Viliam Šnábel, Tetiana Kuzmina, Urmas Saarma



PII: S1567-1348(18)30390-3
DOI: doi:[10.1016/j.meegid.2018.06.016](https://doi.org/10.1016/j.meegid.2018.06.016)
Reference: MEEGID 3555
To appear in: *Infection, Genetics and Evolution*
Received date: 12 February 2018
Revised date: 4 June 2018
Accepted date: 11 June 2018

Please cite this article as: Teivi Laurimäe, Liina Kinkar, Thomas Romig, Rihab A. Omer, Adriano Casulli, Gérald Umhang, Robin B. Gasser, Abdul Jabbar, Mitra Sharbatkhori, Hossein Mirhendi, Francisco Ponce-Gordo, Lorena E. Lazzarini, Silvia V. Soriano, Antonio Varcasia, Mohammad Rostami Nejad, Vanessa Andresiuk, Pablo Maravilla, Luis Miguel González, Monika Dybicz, Jakub Gawor, Mindaugas Šarkūnas, Viliam Šnábel, Tetiana Kuzmina, Urmas Saarma , The benefits of analysing complete mitochondrial genomes: Deep insights into the phylogeny and population structure of *Echinococcus granulosus* sensu lato genotypes G6 and G7. Meegid (2017), doi:[10.1016/j.meegid.2018.06.016](https://doi.org/10.1016/j.meegid.2018.06.016)

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.

The benefits of analysing complete mitochondrial genomes: deep insights into the phylogeny and population structure of *Echinococcus granulosus* sensu lato genotypes G6 and G7

Teivi Laurimäe^a, Liina Kinkar^a, Thomas Romig^b, Rihab A. Omer^c, Adriano Casulli^{d,e}, Gérald Umhang^f, Robin B. Gasser^g, Abdul Jabbar^g, Mitra Sharbatkhori^h, Hossein Mirhendiⁱ, Francisco Ponce-Gordo^j, Lorena E. Lazzarini^k, Silvia V. Soriano^k, Antonio Varcasia^l, Mohammad Rostami Nejad^m, Vanessa Andresiuikⁿ, Pablo Maravilla^o, Luis Miguel González^p, Monika Dybicz^q, Jakub Gawor^r, Mindaugas Šarkūnas^s, Viliam Šnábel^t, Tetiana Kuzmina^u and Urmas Saarma^{a,*}

^aDepartment of Zoology, Institute of Ecology and Earth Sciences, University of Tartu, Vanemuise 46, 50410 Tartu, Estonia

^bInstitute of Zoology, Parasitology Unit, University of Hohenheim, 70599 Stuttgart, Germany

^cNational University Research Institute, National University Sudan, Khartoum, Sudan

^dWorld Health Organization Collaborating Centre for the Epidemiology, Detection and Control of Cystic and Alveolar Echinococcosis (in humans and animals), Istituto Superiore di Sanità, Viale Regina Elena 299, 00161 Rome, Italy

^eEuropean Union Reference Laboratory for Parasites (EURLP), Istituto Superiore di Sanità, Viale Regina Elena 299, 00161 Rome, Italy

^fAnses, Wildlife Surveillance and Eco-epidemiology Unit, National Reference Laboratory for *Echinococcus* spp., Nancy Laboratory for Rabies and Wildlife, 54220 Malzéville, France

^gDepartment of Veterinary Biosciences, Melbourne Veterinary School, Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Parkville, Victoria 3010, Australia

^hLaboratory Science Research Center, Golestan University of Medical Sciences, Gorgan, Iran

Download English Version:

<https://daneshyari.com/en/article/8646554>

Download Persian Version:

<https://daneshyari.com/article/8646554>

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