### Accepted Manuscript

Title: Assessment of the global pattern of genetic diversity in *Echinococcus multilocularis* inferred by mitochondrial DNA sequences

Authors: Adel Spotin, Belgees Boufana, Ehsan Ahmadpour, Adriano Casulli, Mahmoud Mahami-Oskouei, Soheila Rouhani, Amirreza Javadi-Mamaghani, Firooz Shahrivar, Paria Khoshakhlagh

PII: \$0304-4017(18)30333-9

DOI: https://doi.org/10.1016/j.vetpar.2018.09.013

Reference: VETPAR 8754

To appear in: Veterinary Parasitology

Received date: 19-4-2018 Revised date: 22-9-2018 Accepted date: 24-9-2018

Please cite this article as: Spotin A, Boufana B, Ahmadpour E, Casulli A, Mahami-Oskouei M, Rouhani S, Javadi-Mamaghani A, Shahrivar F, Khoshakhlagh P, Assessment of the global pattern of genetic diversity in *Echinococcus multilocularis* inferred by mitochondrial DNA sequences, *Veterinary Parasitology* (2018), https://doi.org/10.1016/j.vetpar.2018.09.013

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.



## ACCEPTED MANUSCRIPT

# Assessment of the global pattern of genetic diversity in *Echinococcus* multilocularis inferred by mitochondrial DNA sequences

Adel Spotin<sup>1,2</sup>†, Belgees Boufana<sup>3,4</sup>†, Ehsan Ahmadpour<sup>5</sup>, Adriano Casulli<sup>3,4</sup>, Mahmoud Mahami-Oskouei<sup>6</sup>, Soheila Rouhani<sup>7</sup>, Amirreza Javadi-Mamaghani<sup>7</sup>, Firooz Shahrivar<sup>6</sup>, Paria Khoshakhlagh<sup>6</sup>

<sup>3</sup>WHO Collaborating Centre for the Epidemiology, Detection and Control of Cystic and Alveolar Echinococcosis, Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy <sup>4</sup>European Union Reference Laboratory for Parasites (EURLP), Department of Infectious Diseases, Istituto Superiore di Sanità, Rome, Italy

<sup>5</sup> Toxoplasmosis Research Center, Mazandaran University of Medical Science, Sari, Iran <sup>6</sup>Department of Parasitology and Mycology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran

<sup>7</sup>Department of Parasitology and Mycology, Shahid Beheshti University of Medical Sciences, Tehran, Iran

†These authors contributed equally to this work.

\*Corresponding author: Adel Spotin., Ph.D, Tel: +98-04133344777

Email: Adelespotin@gmail.com, Spotina@tbzmed.ac.ir

<sup>&</sup>lt;sup>1</sup>Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran <sup>2</sup>Student Research Committee, Tabriz University of Medical Sciences, Tabriz, Iran

#### Download English Version:

# https://daneshyari.com/en/article/11025810

Download Persian Version:

https://daneshyari.com/article/11025810

<u>Daneshyari.com</u>