### Accepted Manuscript

High-resolution phylogeny providing insights towards the epidemiology, zoonotic aspects and taxonomy of sapoviruses

A.F. Barry, R. Durães-Carvalho, E.F. Oliveira-Filho, A.A. Alfieri, W.H.M. Van der Poel

PII: S1567-1348(17)30330-1

DOI: doi:10.1016/j.meegid.2017.09.024

Reference: MEEGID 3280

To appear in: Infection, Genetics and Evolution

Received date: 23 August 2017 Revised date: 18 September 2017 Accepted date: 19 September 2017

Please cite this article as: A.F. Barry, R. Durães-Carvalho, E.F. Oliveira-Filho, A.A. Alfieri, W.H.M. Van der Poel, High-resolution phylogeny providing insights towards the epidemiology, zoonotic aspects and taxonomy of sapoviruses. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Meegid(2017), doi:10.1016/j.meegid.2017.09.024

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**

High-resolution phylogeny providing insights towards the epidemiology, zoonotic aspects and taxonomy of sapoviruses

Barry A.F.<sup>a</sup>\*, Durães-Carvalho R.<sup>b</sup>\*, Oliveira-Filho E.F.\*, Alfieri A.A.<sup>a</sup>, Van der Poel W.H.M.<sup>c</sup>

\*These authors contributed equally to this work

<sup>a</sup>Laboratory of Animal Virology, Department of Preventive Veterinary Medicine,
Universidade Estadual de Londrina. Campus Universitário, PO Box 6001, 86051-990,
Londrina, Paraná, Brazil.

bDepartment of Virology, Aggeu Magalhães Institute, Oswaldo Cruz Foundation (FIOCRUZ),
Av. Professor Moraes Rego s/n, Cidade Universitária, Recife, PE 50670-420, Brazil.

cWageningen Bioveterinary Research, Wageningen University and Research, Department of
Virology, P.O. Box 65, 8200 AB Lelystad, Edelhertweg 15,

8219 PH Lelystad, The Netherlands.

†Corresponding author: Ricardo Durães-Carvalho (rdcarval@gmail.com). Departamento de Virologia, Instituto Aggeu Magalhães (IAM), Fundação Oswaldo Cruz (FIOCRUZ), Recife-PE, Brasil.

#### **Abstract**

The evolution, epidemiology and zoonotic aspects of Sapoviruses (SaV) are still not well explored. In this study, we applied high-resolution phylogeny to investigate the epidemiological and zoonotic origins as well as taxonomic aspects of animal and human SaV. Bayesian framework analyses showed an increase in porcine SaV (PoSaV) population dynamics between

1

#### Download English Version:

# https://daneshyari.com/en/article/8647055

Download Persian Version:

https://daneshyari.com/article/8647055

<u>Daneshyari.com</u>