

Accepted Manuscript

Title: Pathogens in ectoparasites from free-ranging animals: Infection with *Rickettsia asembonensis* in ticks, and a potentially new species of *Dipylidium* in fleas and lice

Authors: Van Lun Low, Batah Kunalan Prakash, Tiong Kai Tan, Mohd. Sofian-Azirun, Fasihah Hanani Khairul Anwar, Wei Yin Vinnie-Siow, Sazaly AbuBakar



PII: S0304-4017(17)30364-3
DOI: <http://dx.doi.org/10.1016/j.vetpar.2017.08.015>
Reference: VETPAR 8447

To appear in: *Veterinary Parasitology*

Received date: 11-7-2017
Revised date: 14-8-2017
Accepted date: 21-8-2017

Please cite this article as: Low, Van Lun, Prakash, Batah Kunalan, Tan, Tiong Kai, Sofian-Azirun, Mohd., Anwar, Fasihah Hanani Khairul, Vinnie-Siow, Wei Yin, AbuBakar, Sazaly, Pathogens in ectoparasites from free-ranging animals: Infection with *Rickettsia asembonensis* in ticks, and a potentially new species of *Dipylidium* in fleas and lice. *Veterinary Parasitology* <http://dx.doi.org/10.1016/j.vetpar.2017.08.015>

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.

Pathogens in ectoparasites from free-ranging animals: Infection with *Rickettsia asembonensis* in ticks, and a potentially new species of *Dipylidium* in fleas and lice

Van Lun Low¹, Batah Kunalan Prakash², Tiong Kai Tan^{3,4}, Mohd Sofian-Azirun², Fasihah Hanani Khairul Anwar², Wei Yin Vinnie-Siow³ & Sazaly AbuBakar^{1,5}

¹Tropical Infectious Diseases Research and Education Centre (TIDREC), University of Malaya, Kuala Lumpur, Malaysia

²Institute of Biological Sciences, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia

³Department of Parasitology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia

⁴Biodiversity Research Center, Academia Sinica, Taipei, Taiwan

⁵Department of Medical Microbiology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia

Highlights

1. Presence of *Bartonella clarridgeiea*, *Bartonella henselae* (lineage Marseille and lineage Houston-1), and *Rickettsia* sp. in *Ctenocephalides felis* fleas
2. Presence of *Rickettsia asembonensis* in *C. orientis* fleas and *Rhipicephalus sanguineus* s.l. ticks
3. First documentation on a potentially new species of *Dipylidium* tapeworm infecting *Felicola subrostratus* lice and *C. felis* fleas.

Abstract

Vector-borne infections are persistent public health threats worldwide. In recent years, a number of mosquito-borne viruses have emerged or re-emerged to cause major disease outbreaks. Other vector-borne pathogens, however, remain understudied and much neglected especially in the developing regions of the world including Southeast Asia. In this study, the brown dog tick

Download English Version:

<https://daneshyari.com/en/article/5545683>

Download Persian Version:

<https://daneshyari.com/article/5545683>

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