## **Author information**

Sataporn Phochantachinda ([sataporn.pho@mahidol.ac.th](mailto:sataporn.pho@mahidol.ac.th))

Faculty of Veterinary Science, Mahidol University, Salaya, Phutthamonthon, Nakorn Pathom 73170, Thailand

Boonrat Chantong ([boonrat.cha@mahidol.edu](mailto:boonrat.cha@mahidol.edu))

Department of Pre-clinic and Applied Animal Science, Faculty of Veterinary Science, Mahidol University, Salaya, Phutthamonthon, Nakorn Pathom 73170, Thailand

Duangthip Chatchaisak ([duangthip.cha@mahidol.ac.th](mailto:duangthip.cha@mahidol.ac.th))

Department of Clinical Sciences and Public Health, Faculty of Veterinary Science, Mahidol University, Salaya, Phutthamonthon, Nakorn Pathom 73170, Thailand

Onrapak Reamtong ([onrapak.rea@mahidol.ac.th](mailto:onrapak.rea@mahidol.ac.th))

Department of Molecular Tropical Medicine and Genetics, Faculty of Tropical Medicine, Mahidol University, Phaya Thai, Ratchathewi, Bangkok 10400, Thailand