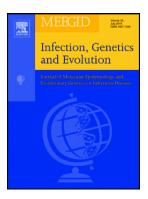
## Accepted Manuscript

Neuraminidase inhibitor susceptibility and evolutionary analysis of human influenza B isolates from three Asian countries during 2012–2015

Akinobu Hibino, Elie Massaad, Hiroki Kondo, Reiko Saito, Takashi Odagiri, Nobuhiro Takemae, Ryota Tsunekuni, Takehiko Saito, Yadanar Kyaw, Nay Lin, Yi Yi Myint, Htay Htay Tin, Nguyen Le Khanh Hang, Le Quynh Mai, Ren Yagami, Yugo Shobugawa, Tommy Lam, Hassan Zaraket, Japanese Influenza Collaborative Study Group



PII:	S1567-1348(18)30194-1
DOI:	doi:10.1016/j.meegid.2018.04.016
Reference:	MEEGID 3482
To appear in:	Infection, Genetics and Evolution
Received date:	3 October 2017
Revised date:	26 March 2018
Accepted date:	11 April 2018

Please cite this article as: Akinobu Hibino, Elie Massaad, Hiroki Kondo, Reiko Saito, Takashi Odagiri, Nobuhiro Takemae, Ryota Tsunekuni, Takehiko Saito, Yadanar Kyaw, Nay Lin, Yi Yi Myint, Htay Htay Tin, Nguyen Le Khanh Hang, Le Quynh Mai, Ren Yagami, Yugo Shobugawa, Tommy Lam, Hassan Zaraket, Japanese Influenza Collaborative Study Group, Neuraminidase inhibitor susceptibility and evolutionary analysis of human influenza B isolates from three Asian countries during 2012–2015. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Meegid(2018), doi:10.1016/j.meegid.2018.04.016

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.

## **ACCEPTED MANUSCRIPT**

Neuraminidase inhibitor susceptibility and evolutionary analysis of human influenza B isolates from three Asian countries during 2012-2015

Akinobu Hibino<sup>1,\*</sup>, Elie Massaad<sup>2,3,\*</sup>, Hiroki Kondo<sup>1</sup>, Reiko Saito<sup>1,#</sup>, Takashi Odagiri<sup>1</sup>, Nobuhiro Takemae<sup>4</sup>, Ryota Tsunekuni<sup>4</sup>, Takehiko Saito<sup>4</sup>, Japanese Influenza Collaborative Study Group<sup>5</sup>, Yadanar Kyaw<sup>6</sup>, Nay Lin<sup>7</sup>, Yi Yi Myint<sup>8</sup>, Htay Htay Tin<sup>8</sup>, Nguyen Le Khanh Hang<sup>10</sup>, Le Quynh Mai<sup>10</sup>, Ren Yagami<sup>3</sup>, Yugo Shobugawa<sup>3</sup>, Tommy Lam<sup>11</sup>, Hassan Zaraket<sup>2,3,#</sup>

<sup>1</sup>Division of International Health (Public Health), Graduate School of Medical and Dental Sciences, Niigata University

<sup>2</sup>Department of Pathology, Immunology, and Microbiology, Faculty of Medicine American University of Beirut, Lebanon

<sup>3</sup>Center for Infectious Disease Research, Faculty of Medicine American University of Beirut, Beirut, Lebanon

<sup>4</sup>Influenza and Prion Disease Research Center, National Institute of Animal Health, National Agriculture and Food Research Organization (NARO), Ibaraki, Japan

<sup>5</sup>Japanese Influenza Collaborative Study Group (group author) listed at Acknowledge section <sup>6</sup>Respiratory Medicine Department, Sanpya Hospital, Kyaikkasan Pagoda Road, Yangon, Myanmar

<sup>7</sup>Clinical Laboratory, Microbiology Section, Pyinmana Township Hospital, Pyinmana Township, Naw Pyi Taw, Myanmar

<sup>8</sup>Ministry of Health and Sports, Department traditional Medicine, Naw Pyi Taw, Myanmar

<sup>9</sup>National Health Laboratory, Ministry of Health and Sports, Yangon, Myanmar

<sup>10</sup>National Institute of Hygiene and Epidemiology, Hanoi, Vietnam

<sup>11</sup>School of Public Health, the University of Hong Kong, Hong Kong SAR, China

Download English Version:

## https://daneshyari.com/en/article/8646722

Download Persian Version:

https://daneshyari.com/article/8646722

Daneshyari.com