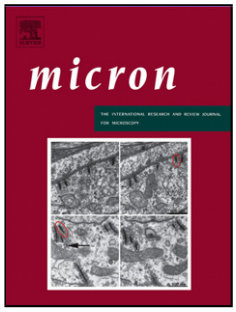
Accepted Manuscript



Title: Species- and sex-specific distribution of antennal olfactory sensilla in two tortricid moths, *Epiphyas postvittana* and *Planotortrix octo*

Authors: Gwang Hyun Roh, Kye Chung Park, Hyun-Woo Oh, Chung Gyoo Park

PII: S0968-4328(17)30350-5
DOI: https://doi.org/10.1016/j.micron.2017.12.006
Reference: JMIC 2511

To appear in: *Micron*

Received date: 12-9-2017
Revised date: 15-12-2017
Accepted date: 18-12-2017

Please cite this article as: Roh, Gwang Hyun, Park, Kye Chung, Oh, Hyun-Woo, Park, Chung Gyoo, Species- and sex-specific distribution of antennal olfactory sensilla in two tortricid moths, Epiphyas postvittana and Planotortrix octo.Micron https://doi.org/10.1016/j.micron.2017.12.006

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

Species- and sex-specific distribution of antennal olfactory sensilla in two tortricid moths, *Epiphyas postvittana* and *Planotortrix octo*

Short title: Antennal sensilla of two tortricid moths

Gwang Hyun Roh[1], Kye Chung Park[2], Hyun-Woo Oh[3], and Chung Gyoo Park[1,4*]

[1]Institute of Agriculture and Life Science, Gyeongsang National University, Jinju 52828, Republic of Korea

[2]New Zealand Institute for Plant and Food Research, Christchurch, New Zealand

[3]Korea Research Institute of Bioscience & Biotechnology, Daejeon 34141, Republic of Korea

[4]Institute of Life Science (BK21$^+$ Program), Gyeongsang National University, Jinju 52828, Republic of Korea

*Corresponding author: Prof. Chung Gyoo Park

Institute of Life Science, Gyeongsang National University, Jinju 52828, Republic of Korea

E-mail: parkcg@gnu.ac.kr, Tel: +82-55-772-1925, Fax: +82-55-772-192

Highlights

- Olfactory antennal sensilla of *Epiphyas postvittana* and *Planotortrix octo* were investigated.
- Four types of olfactory sensilla (trichodea, basiconica, coeloconica and auricillica) displayed multi-porous cuticular surface in the two species.
- Both *E. postvittana* and *P. octo* exhibited sexual dimorphism in the profiles of antennal olfactory sensilla.
- Subtype I trichoid sensilla was male-specific in both species.

Abstract

Download English Version:

https://daneshyari.com/en/article/7986137

Download Persian Version:

https://daneshyari.com/article/7986137

Daneshyari.com