



## This is an electronic reprint of the original article. This reprint *may differ* from the original in pagination and typographic detail.

Author(s): Piiroinen, Saija; Lindström, Leena; Lyytinen, Anne; Mappes, Johanna; Chen, Yolanda H;

Izzo, Victor; Grapputo, Alessandro

Title: Pre-invasion history and demography shape the genetic variation in the insecticide

resistance-related acetylcholinesterase 2 gene in the invasive Colorado potato beetle

Year: 2013

**Version:** 

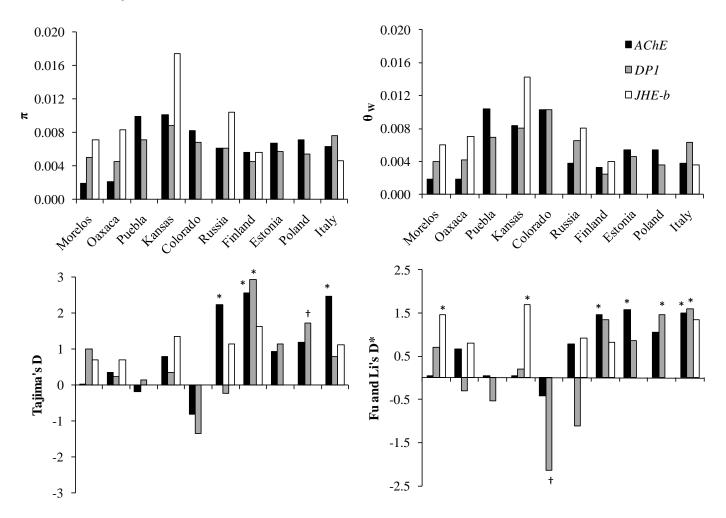
## Please cite the original version:

Piiroinen, S., Lindström, L., Lyytinen, A., Mappes, J., Chen, Y. H., Izzo, V., & Grapputo, A. (2013). Pre-invasion history and demography shape the genetic variation in the insecticide resistance-related acetylcholinesterase 2 gene in the invasive Colorado potato beetle. BMC Evolutionary Biology, 13(13). https://doi.org/10.1186/1471-2148-13-13

All material supplied via JYX is protected by copyright and other intellectual property rights, and duplication or sale of all or part of any of the repository collections is not permitted, except that material may be duplicated by you for your research use or educational purposes in electronic or print form. You must obtain permission for any other use. Electronic or print copies may not be offered, whether for sale or otherwise to anyone who is not an authorised user.

## **Online Supplementary material:**

Piiroinen et al. "Pre-invasion history and demography shape the genetic variation in the insecticide resistance-related acetylcholinesterase 2 gene in the invasive Colorado potato beetle".



Additional file 3 Graphical presentation of genetic diversity indices ( $\pi$ , nucleotide diversity,  $\theta_W$ , Watterson's theta estimate) and neutrality tests (Tajima's D, Fu and Li's D\*) for Mexican, US and European Colorado potato beetle populations. \* Significant value, †, significant when recombination included to the coalescent simulations