

Accepted Manuscript

Constitutive up-regulation of Turandot genes rather than changes in acclimation ability is associated with the evolutionary adaptation to temperature fluctuations in *Drosophila simulans*

Tommaso Manenti, Volker Loeschcke, Jesper Givskov Sørensen

PII: S0022-1910(17)30329-3

DOI: <https://doi.org/10.1016/j.jinsphys.2017.11.008>

Reference: IP 3728

To appear in: *Journal of Insect Physiology*

Received Date: 20 August 2017

Revised Date: 20 November 2017

Accepted Date: 20 November 2017



Please cite this article as: Manenti, T., Loeschcke, V., Givskov Sørensen, J., Constitutive up-regulation of Turandot genes rather than changes in acclimation ability is associated with the evolutionary adaptation to temperature fluctuations in *Drosophila simulans*, *Journal of Insect Physiology* (2017), doi: <https://doi.org/10.1016/j.jinsphys.2017.11.008>

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.

**Constitutive up-regulation of Turandot genes rather than changes in
acclimation ability is associated with the evolutionary adaptation to temperature
fluctuations in *Drosophila simulans***

Tommaso Manenti, Volker Loeschcke and Jesper Givskov Sørensen*

Department of Bioscience, Section for Genetics, Ecology and Evolution, Aarhus University, Ny
Munkegade 114-116, Buildg.1540, DK-8000 Aarhus C, Denmark.

***Corresponding author:**

Jesper Givskov Sørensen, Department of Bioscience, Genetics, Section of Ecology and Evolution,
Aarhus University, Ny Munkegade 114-116, Buildg.1540, DK-8000 Aarhus C, Denmark.

Mobile: +4530183160, e-mail: jesper.soerensen@bios.au.dk.

Key words: *Drosophila*, plasticity, circadian rhythm, acclimation

Download English Version:

<https://daneshyari.com/en/article/8649853>

Download Persian Version:

<https://daneshyari.com/article/8649853>

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