## Accepted Manuscript

Effects of ambient and preceding temperatures and metabolic genes on flight metabolism in the Glanville fritillary butterfly

Swee Chong Wong, Alma Oksanen, Anniina L.K. Mattila, Rainer Lehtonen, Kristjan Niitepõld, Ilkka Hanski

PII:	S0022-1910(15)30008-1
DOI:	http://dx.doi.org/10.1016/j.jinsphys.2015.11.015
Reference:	IP 3457
To appear in:	Journal of Insect Physiology
Received Date:	14 September 2015
Revised Date:	26 November 2015
Accepted Date:	30 November 2015



Please cite this article as: Wong, S.C., Oksanen, A., Mattila, A.L.K., Lehtonen, R., Niitepõld, K., Hanski, I., Effects of ambient and preceding temperatures and metabolic genes on flight metabolism in the Glanville fritillary butterfly, *Journal of Insect Physiology* (2015), doi: http://dx.doi.org/10.1016/j.jinsphys.2015.11.015

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

1

1	
2	Effects of ambient and preceding temperatures and metabolic genes on flight
3	metabolism in the Glanville fritillary butterfly
4	
5	Swee Chong Wong <sup>1*</sup> , Alma Oksanen <sup>1,3</sup> , Anniina L.K. Mattila <sup>1</sup> , Rainer Lehtonen <sup>1,2</sup> , Kristjan
6	Niitepõld <sup>1</sup> and Ilkka Hanski <sup>1</sup>
7	<sup>1</sup> Department of Biosciences, P.O.Box 65, 00014 University of Helsinki, Finland.
8	<sup>2</sup> Institute of Biomedicine & Genome-Scale Biology Research Program Biomedicum 1,
9	P.O.Box 63, 00014 University of Helsinki, Finland.
10	<sup>3</sup> Department of Biology, P.O.Box 111, 80101 University of Eastern Finland, Joensuu,
11	Finland.
12	
13	
14	

\* Correspondence to: Wong Swee Chong Department of Biosciences, P.O.Box 65, 00014 University of Helsinki, Finland. Tel: +358504484404 swee.wong@helsinki.fi Download English Version:

## https://daneshyari.com/en/article/5921405

Download Persian Version:

https://daneshyari.com/article/5921405

Daneshyari.com