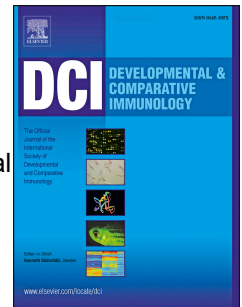


# Accepted Manuscript

Nutritional immunology: Diversification and diet-dependent expression of antimicrobial peptides in the black soldier fly *Hermetia illucens*

Heiko Vogel, Ariane Müller, David Heckel, Herwig Gutzeit, Andreas Vilcinskas



PII: S0145-305X(17)30424-X

DOI: [10.1016/j.dci.2017.09.008](https://doi.org/10.1016/j.dci.2017.09.008)

Reference: DCI 2981

To appear in: *Developmental and Comparative Immunology*

Received Date: 8 August 2017

Revised Date: 10 September 2017

Accepted Date: 10 September 2017

Please cite this article as: Vogel, H., Müller, A., Heckel, D., Gutzeit, H., Vilcinskas, A., Nutritional immunology: Diversification and diet-dependent expression of antimicrobial peptides in the black soldier fly *Hermetia illucens*, *Developmental and Comparative Immunology* (2017), doi: 10.1016/j.dci.2017.09.008.

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.

**Nutritional immunology: diversification and diet-dependent expression of antimicrobial peptides in the black soldier fly *Hermetia illucens***

Heiko Vogel <sup>a</sup>, Ariane Müller <sup>b</sup>, David Heckel <sup>a</sup>, Herwig Gutzeit <sup>b</sup>, Andreas Vilcinskas <sup>c,d,\*</sup>

<sup>a</sup> Entomology Department, Max-Planck Institute for Chemical Ecology, Hans-Knoell Strasse 8, 07749 Jena, Germany

<sup>b</sup> Institute of Zoology and Developmental Biology, University of Dresden, 01062 Dresden

<sup>c</sup> Institute for Insect Biotechnology, Justus-Liebig-University of Giessen, Heinrich-Buff-Ring 26-32, 35392 Giessen, Germany

<sup>d</sup> Department Bioresources, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Winchesterstrasse 2, 35394 Giessen, Germany

\*Corresponding author. Institute for Insect Biotechnology, Justus-Liebig-University of Giessen, Heinrich-Buff-Ring 26-32, D-35392 Giessen, Germany

E-mail address: [andreas.vilcinskas@agrar.uni-giessen.de](mailto:andreas.vilcinskas@agrar.uni-giessen.de) (A. Vilcinskas).

Download English Version:

<https://daneshyari.com/en/article/5539925>

Download Persian Version:

<https://daneshyari.com/article/5539925>

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