

## Accepted Manuscript

Inflammatory biomarkers are associated with ketosis in periparturient Holstein cows

Mohannad Abuajamieh, Sara K. Kvidera, Maria V. Sanz Fernandez, Amir Nayeri, Nathan C. Upah, Erin A. Nolan, Sam M. Lei, Jeffery M. DeFrain, Howard B. Green, Katie M. Schoenberg, William E. Trout, Lance H. Baumgard

PII: S0034-5288(16)30366-6  
DOI: doi: [10.1016/j.rvsc.2016.09.015](https://doi.org/10.1016/j.rvsc.2016.09.015)  
Reference: YRVSC 3174

To appear in:

Received date: 19 May 2016  
Revised date: 2 August 2016  
Accepted date: 20 September 2016

Please cite this article as: Abuajamieh, Mohannad, Kvidera, Sara K., Fernandez, Maria V. Sanz, Nayeri, Amir, Upah, Nathan C., Nolan, Erin A., Lei, Sam M., DeFrain, Jeffery M., Green, Howard B., Schoenberg, Katie M., Trout, William E., Baumgard, Lance H., Inflammatory biomarkers are associated with ketosis in periparturient Holstein cows, (2016), doi: [10.1016/j.rvsc.2016.09.015](https://doi.org/10.1016/j.rvsc.2016.09.015)

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.



**Inflammatory biomarkers are associated with ketosis in periparturient Holstein cows**

Mohannad Abuajamieh<sup>a</sup>, Sara K. Kvidera, Maria V. Sanz Fernandez<sup>a</sup>, Amir Nayeri<sup>a</sup>, Nathan C. Upah<sup>a</sup>, Erin A. Nolan<sup>a</sup>, Sam M. Lei<sup>a</sup>, Jeffery M. DeFrain<sup>b</sup>, Howard B. Green<sup>c</sup>, Katie M. Schoenberg<sup>c</sup>, William E. Trout<sup>c</sup>, and Lance H. Baumgard<sup>a\*</sup>

<sup>a</sup>Department of Animal Science, Iowa State University, Ames 50014

<sup>b</sup>Zinpro Corporation, Eden Prairie, MN, 55344, USA

<sup>c</sup>Elanco Animal Health, Greenfield, IN, 46140, USA

Corresponding author: Lance H. Baumgard  
313 Kildee Hall, Ames  
Email: baumgard@iastate.edu

Download English Version:

<https://daneshyari.com/en/article/5544074>

Download Persian Version:

<https://daneshyari.com/article/5544074>

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