

Accepted Manuscript

Title: Role of the microbiome in swine respiratory disease

Author: Megan C. Niederwerder

PII: S0378-1135(16)30520-X

DOI: <http://dx.doi.org/doi:10.1016/j.vetmic.2017.02.017>

Reference: VETMIC 7557

To appear in: *VETMIC*

Received date: 17-10-2016

Revised date: 20-12-2016

Accepted date: 27-2-2017



Please cite this article as: Niederwerder, Megan C., Role of the microbiome in swine respiratory disease. *Veterinary Microbiology* <http://dx.doi.org/10.1016/j.vetmic.2017.02.017>

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.

Role of the microbiome in swine respiratory disease

Megan C. Niederwerder^{a,b,*}

^aDepartment of Diagnostic Medicine/Pathobiology, College of Veterinary Medicine, Kansas State University, 1800 Denison Avenue, Manhattan, Kansas 66506, USA.

^bKansas State Veterinary Diagnostic Laboratory, Kansas State University, 1800 Denison Avenue, Manhattan, Kansas 66506, USA.

*Corresponding author information:

Email: mniederwerder@vet.k-state.edu; Phone: 785-532-4663

Postal Address: L-227 Mosier Hall, Department of Diagnostic Medicine/Pathobiology, College of Veterinary Medicine, Kansas State University, 1800 Denison Avenue, Manhattan, Kansas 66506-5700.

Highlights

- Microorganisms are critical for metabolism of nutrients and development of immunity
- Microbiome colonization in the early life of a pig is shaped by several factors
- The microbiome impacts response to diverse pathogens of the respiratory tract
- Increased microbiome diversity is beneficial to outcome in PRRSV/PCV2 co-infection

Download English Version:

<https://daneshyari.com/en/article/5545106>

Download Persian Version:

<https://daneshyari.com/article/5545106>

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