

## Accepted Manuscript

Title: Differential immune-related gene expression in the spleens of duck Tembusu virus-infected goslings

Authors: Yu He, Anqi Wang, Shun Chen, Zhen Wu, Jinyue Zhang, Mingshu Wang, Renyong Jia, Dekang Zhu, Mafeng Liu, Qiao Yang, Ying Wu, Kunfeng Sun, Xiaoyue Chen, Anchun Cheng



PII: S0378-1135(17)30414-5  
DOI: <http://dx.doi.org/doi:10.1016/j.vetmic.2017.08.002>  
Reference: VETMIC 7715

To appear in: *VETMIC*

Received date: 2-4-2017  
Revised date: 21-7-2017  
Accepted date: 1-8-2017

Please cite this article as: He, Yu, Wang, Anqi, Chen, Shun, Wu, Zhen, Zhang, Jinyue, Wang, Mingshu, Jia, Renyong, Zhu, Dekang, Liu, Mafeng, Yang, Qiao, Wu, Ying, Sun, Kunfeng, Chen, Xiaoyue, Cheng, Anchun, Differential immune-related gene expression in the spleens of duck Tembusu virus-infected goslings. *Veterinary Microbiology* <http://dx.doi.org/10.1016/j.vetmic.2017.08.002>

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.

## Research paper

# Differential immune-related gene expression in the spleens of duck Tembusu virus-infected goslings

Yu He <sup>a,1</sup>, Anqi Wang <sup>a,1</sup>, Shun Chen <sup>a,b,c,1,\*</sup>, Zhen Wu <sup>a</sup>, Jinyue Zhang <sup>a</sup>, Mingshu Wang <sup>a,b,c</sup>,  
Renyong Jia <sup>a,b,c</sup>, Dekang Zhu <sup>b,c</sup>, Mafeng Liu <sup>a</sup>, Qiao Yang <sup>a,b,c</sup>, Ying Wu <sup>a,b,c</sup>, Kunfeng Sun  
<sup>a,b,c</sup>, Xiaoyue Chen <sup>b,c</sup>, Anchun Cheng <sup>a,b,c,\*</sup>

<sup>a</sup> *Institute of Preventive Veterinary Medicine, Sichuan Agricultural University, Chengdu, Sichuan 611130, China;*

<sup>b</sup> *Research Center of Avian Disease, College of Veterinary Medicine, Sichuan Agricultural University, Chengdu, Sichuan 611130, China;*

<sup>c</sup> *Key Laboratory of Animal Disease and Human Health of Sichuan Province, Sichuan Agricultural University, Chengdu, Sichuan 611130, China*

\* Correspondence: shunchen@sicau.edu.cn; chenganchun@vip.163.com; Tel.: +86-028-86291482

<sup>1</sup> These authors contributed equally to this work.

## Highlights:

- The specific molecular mechanism of host responses to Tembusu virus in gosling's spleens 5 dpi was analyzed via RNA-seq for the first time.
- Revealed the pattern of innate immune response and acquired immune response to Tembusu virus in goslings' spleen, liver, and brain.

Download English Version:

<https://daneshyari.com/en/article/8505698>

Download Persian Version:

<https://daneshyari.com/article/8505698>

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