## Accepted Manuscript

Toll like receptor 4 signaling pathway participated in *Salmonella* lipopolysaccharideinduced spleen injury in young chicks

Ningya Li, Abdur Rahman Ansari, Zhijian Sun, Haibo Huang, Lei Cui, Yafang Hu, Xing Zhao, Juming Zhong, El-Sayed Mahfouz Abdel-Kafy, Huazhen Liu

PII: S0882-4010(17)31157-9

DOI: 10.1016/j.micpath.2017.10.004

Reference: YMPAT 2513

To appear in: Microbial Pathogenesis

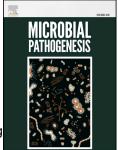
Received Date: 15 September 2017

Revised Date: 30 September 2017

Accepted Date: 4 October 2017

Please cite this article as: Li N, Ansari AR, Sun Z, Huang H, Cui L, Hu Y, Zhao X, Zhong J, Abdel-Kafy E-SM, Liu H, Toll like receptor 4 signaling pathway participated in *Salmonella* lipopolysaccharide-induced spleen injury in young chicks, *Microbial Pathogenesis* (2017), doi: 10.1016/j.micpath.2017.10.004.

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	Toll like receptor 4 signaling pathway participated in salmonella lipopolysaccharide-
2	induced spleen injury in young chicks
3	Ningya Li <sup>1</sup> , Abdur Rahman Ansari <sup>2</sup> , Zhijian Sun <sup>1</sup> , Haibo Huang <sup>1</sup> , Lei Cui <sup>1</sup> , Yafang Hu <sup>1</sup> , Xing
4	Zhao <sup>1</sup> , Juming Zhong <sup>1, 3</sup> , El-Sayed Mahfouz Abdel-Kafy <sup>4</sup> , Huazhen Liu <sup>1,*</sup>
5	1. Department of Basic Veterinary Medicine, College of Animal Science and Veterinary
6	Medicine, Huazhong Agricultural University, Wuhan, Hubei 430070, China.
7	2. Section of Anatomy and Histology, Department of Basic Sciences, College of Veterinary and
8	Animal Sciences (CVAS) Jhang; University of Veterinary and Animal Sciences (UVAS), Lahore,
9	Pakistan.
10	3. Department of Anatomy, Physiology and Pharmacology, College of Veterinary Medicine,
11	Auburn University, Auburn, USA.
12	4. Animal Production Research Institute (APRI), Agricultural Research Center (ARC), Ministry
13	of Agriculture, Giza, Egypt
14	
15	Running title: Toll-like receptor 4 signaling and acute spleen injury
16	*Corresponding Author: lhz219@mail.hzau.edu.cn
17	
18	
19 20	
21	
22	
23	
24 25	
26	
27	
28	
29 30	
30	

Download English Version:

## https://daneshyari.com/en/article/5673538

Download Persian Version:

https://daneshyari.com/article/5673538

Daneshyari.com