### Accepted Manuscript

Title: Diversity, abundance, and persistence of antibiotic resistance genes in various types of animal manure following industrial composting

Authors: Xun Qian, Jie Gu, Wei Sun, Xiao-Juan Wang, Jian-Qiang Su, Robert Stedfeld



| PII:           | S0304-3894(17)30842-7                         |
|----------------|---|
| DOI:           | https://doi.org/10.1016/j.jhazmat.2017.11.020 |
| Reference:     | HAZMAT 18991                                  |
| To appear in:  | Journal of Hazardous Materials                |
| Received date: | 27-6-2017                                     |
| Revised date:  | 25-10-2017                                    |
| Accepted date: | 12-11-2017                                    |

Please cite this article as: Xun Qian, Jie Gu, Wei Sun, Xiao-Juan Wang, Jian-Qiang Su, Robert Stedfeld, Diversity, abundance, and persistence of antibiotic resistance genes in various types of animal manure following industrial composting, Journal of Hazardous Materials https://doi.org/10.1016/j.jhazmat.2017.11.020

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

#### **Title Page**

Title: Diversity, abundance, and persistence of antibiotic resistance genes in various types of animal manure following industrial composting

Authors: Xun Qian<sup>1,2</sup>, Jie Gu<sup>1,3\*</sup>, Wei Sun<sup>1</sup>, Xiao-Juan Wang<sup>1</sup>, Jian-Qiang Su<sup>4</sup>, and Robert Stedfeld<sup>2</sup>

#### Affiliations and addresses:

College of Natural Resources and Environment, Northwest A&F University, Yangling, Shaanxi
712100, China

2. Center for Microbial Ecology, Michigan State University, East Lansing, MI, 48824, USA

 Research Center of Recycle Agricultural Engineering and Technology of Shaanxi Province, Northwest A&F University, Yangling, Shaanxi 712100, China

4. Key Lab of Urban Environment and Health, Institute of Urban Environment, Chinese Academy

of Sciences, Xiamen 361021, China

**Corresponding Author**: Jie Gu, Email: <u>gujie205@sina.com</u>, Tel/Fax: 86-029-87081265, Address: College of Natural Resources and Environment, Northwest A&F University, Yangling, Shaanxi 712100, China Download English Version:

# https://daneshyari.com/en/article/6969444

Download Persian Version:

https://daneshyari.com/article/6969444

Daneshyari.com