## Accepted Manuscript

Raspberry promotes brown and beige adipocyte development in mice fed high-fat diet through activation of AMP-activated protein kinase (AMPK)  $\alpha 1$ 



Tiande Zou, Bo Wang, Qiyuan Yang, Jeanene M. de Avila, Mei-Jun Zhu, Jinming You, Daiwen Chen, Min Du

 PII:
 S0955-2863(17)30921-X

 DOI:
 https://doi.org/10.1016/j.jnutbio.2018.02.005

 Reference:
 JNB 7924

To appear in:

Received date:22 October 2017Revised date:26 December 2017Accepted date:5 February 2018

Please cite this article as: Tiande Zou, Bo Wang, Qiyuan Yang, Jeanene M. de Avila, Mei-Jun Zhu, Jinming You, Daiwen Chen, Min Du , Raspberry promotes brown and beige adipocyte development in mice fed high-fat diet through activation of AMP-activated protein kinase (AMPK)  $\alpha$ 1. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jnb(2018), https://doi.org/10.1016/ j.jnutbio.2018.02.005

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**

## Raspberry promotes brown and beige adipocyte development in mice fed high-fat diet through activation of AMP-activated protein kinase (AMPK) α1

Tiande Zou<sup>1,2</sup>, Bo Wang<sup>2</sup>, Qiyuan Yang<sup>2</sup>, Jeanene M. de Avila<sup>2</sup>, Mei-Jun Zhu<sup>3</sup>, Jinming You<sup>1</sup>, Daiwen Chen<sup>4</sup> and Min Du<sup>2,5</sup>\*

<sup>1</sup> Jiangxi Province Key Laboratory of Animal Nutrition, Engineering Research Center of Feed Development, Jiangxi Agricultural University, Nanchang 330045, Jiangxi, China

<sup>2</sup> Laboratory of Nutrigenomics and Growth Biology, Department of Animal Sciences,

Washington State University, Pullman, WA 99164, USA

<sup>3</sup> School of Food Sciences, Washington State University, Pullman, WA 99164, USA

<sup>4</sup> Animal Nutrition Institute, Sichuan Agricultural University, Chengdu 611130, Sichuan, China

<sup>5</sup> Beijing Advanced Innovation Center for Food Nutrition and Human Health, College of Food Science & Nutritional Engineering, China Agricultural University, Beijing 100194, China

\*Corresponding Author: Min Du, Ph.D., Washington Center for Muscle Biology, Department of Animal Sciences, Washington State University, Pullman, WA 99164; Tel: 509-335-2744; Fax: 307-766-2355;

E-mail: min.du@wsu.edu

Download English Version:

## https://daneshyari.com/en/article/8336388

Download Persian Version:

https://daneshyari.com/article/8336388

Daneshyari.com