FNDC5 attenuates adipose tissue inflammation and insulin resistance via AMPK-mediated macrophage polarization in obesity

Xiao-Qing Xiong, Zhi Geng, Bing Zhou, Feng Zhang, Ying Han, Ye-Bo Zhou, Jue-Jin Wang, Xing-Ya Gao, Qi Chen, Yue-Hua Li, Yu-Ming Kang, Guo-Qing Zhu

PII: S0026-0495(18)30019-2
DOI: https://doi.org/10.1016/j.metabol.2018.01.013
Reference: YMETA 53722

To appear in:

Received date: 15 October 2017
Accepted date: 17 January 2018

Please cite this article as: Xiao-Qing Xiong, Zhi Geng, Bing Zhou, Feng Zhang, Ying Han, Ye-Bo Zhou, Jue-Jin Wang, Xing-Ya Gao, Qi Chen, Yue-Hua Li, Yu-Ming Kang, Guo-Qing Zhu , FNDC5 attenuates adipose tissue inflammation and insulin resistance via AMPK-mediated macrophage polarization in obesity. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ymeta(2018), https://doi.org/10.1016/j.metabol.2018.01.013

FNDC5 attenuates adipose tissue inflammation and insulin resistance via AMPK-mediated macrophage polarization in obesity

Xiao-Qing Xiong [a], Zhi Geng [b], Bing Zhou [a], Feng Zhang [a], Ying Han [a], Ye-Bo Zhou [a], Jue-Jin Wang [a], Xing-Ya Gao [a], Qi Chen [c], Yue-Hua Li [c], Yu-Ming Kang [d], Guo-Qing Zhu [a, c,*]

[a] Key Laboratory of Targeted Intervention of Cardiovascular Disease, Collaborative Innovation Center of Translational Medicine for Cardiovascular Disease, and Department of Physiology, Nanjing Medical University, Nanjing, Jiangsu 211166, China

[b] Department of Cardiac Surgery, The Second Affiliated Hospital of Nanjing Medical University, Nanjing, Jiangsu 211166, China

[c] Department of Pathophysiology, Nanjing Medical University, Nanjing, Jiangsu 211166, China

[d] Department of Physiology and Pathophysiology, Cardiovascular Research Center, Xi'an Jiaotong University School of Medicine, Xi'an 710061, China

Short running title: FNDC5 attenuates adipose tissue inflammation

Number of Figures: 8

Online supplemental Data: 3 figures and 1 table

***Address for correspondence (Lead contact):**

Guo-Qing Zhu, M.D., Ph.D. Professor, Chair

Key Laboratory of Cardiovascular Disease and Molecular Intervention, Department of Physiology, Nanjing Medical University, 101 Longmian Avenue, Nanjing 211166, China.

E-Mail: gqzhucn@njmu.edu.cn; Tel: +86-25-86869351; Fax: +86-25-86869351