### Author's Accepted Manuscript

Absolute quantification of DNA methylation using microfluidic chip-based digital PCR

Zhenhua Wu, Yanan Bai, Zule Cheng, Fangming Liu, Ping Wang, Dawei Yang, Gang Li, Qinghui Jin, Hongju Mao, Jianlong Zhao



www.elsevier.com/locate/bios

PII: S0956-5663(17)30331-7

DOI: http://dx.doi.org/10.1016/j.bios.2017.05.021

Reference: BIOS9734

To appear in: Biosensors and Bioelectronic

Received date: 17 February 2017 Revised date: 9 May 2017 Accepted date: 11 May 2017

Cite this article as: Zhenhua Wu, Yanan Bai, Zule Cheng, Fangming Liu, Ping Wang, Dawei Yang, Gang Li, Qinghui Jin, Hongju Mao and Jianlong Zhao. Absolute quantification of DNA methylation using microfluidic chip-based digital PCR, *Biosensors and Bioelectronic* http://dx.doi.org/10.1016/j.bios.2017.05.021

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable 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**

# Absolute quantification of DNA methylation using microfluidic chip-based digital PCR

Zhenhua Wu<sup>1,2</sup>, Yanan Bai<sup>1,2</sup>, Zule Cheng<sup>1,2</sup>, Fangming Liu<sup>1</sup>, Ping Wang<sup>3</sup>, Dawei Yang<sup>4</sup>, Gang Li<sup>5</sup>, Qinghui Jin<sup>1</sup>, Hongju Mao<sup>1</sup>\*, Jianlong Zhao<sup>1</sup>\*

<sup>1</sup>State Key Laboratory of Transducer Technology, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai 200050, China.

<sup>2</sup>University of Chinese Academy of Sciences, Beijing 100039, China.

<sup>3</sup>The Key Laboratory of Pharmacology and Medical Molecular Biology, Medical College, Henan University of Science and Technology, Luoyang 471023, China.\

<sup>4</sup>Department of Pulmonary Medicine, Zhongshan Hospital, Fudan University.

<sup>5</sup>School of Optoelectronic Engineering, Chongqing University, Chongqing 400044, China.

\*Corresponding authors.

Tel: +86-21-62511070-8705; Fax: +86-21-62511070-8714; E-mail: hjmao@mail.sim.ac.cn.

Tel: +86-21-62511070-8702; Fax: +86-21-62511070-8714; E-mail: jlzhao@mail.sim.ac.cn.

#### Download English Version:

## https://daneshyari.com/en/article/5030874

Download Persian Version:

https://daneshyari.com/article/5030874

<u>Daneshyari.com</u>