

CORRECTION

Open Access



Correction to: The m⁶A eraser FTO facilitates proliferation and migration of human cervical cancer cells

Dongling Zou^{1*} , Lei Dong², Chenying Li³, Zhe Yin¹, Shuan Rao^{4*} and Qi Zhou^{1*}

Correction to: *Cancer Cell Int* (2019) 19:321

<https://doi.org/10.1186/s12935-019-1045-1>

Following publication of the original article [1] the authors have notified us of a few errors in Figures 2, 3 and 6. The corrected Figs. 2, 3, and 6 are presented below.

The original article can be found online at <https://doi.org/10.1186/s12935-019-1045-1>.

*Correspondence: cqzl_zdl@163.com; raoshuan1@smu.edu.cn; qizhou9128@163.com

¹ Chongqing Key Laboratory of Translational Research for Cancer Metastasis and Individualized Treatment, Chongqing University Cancer Hospital & Chongqing Cancer Institute & Chongqing Cancer Hospital, Chongqing 400030, China

⁴ Department of Thoracic Surgery, Nanfang Hospital, Southern Medical University, Guangzhou 510515, China

Full list of author information is available at the end of the article



© The Author(s) 2020. This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

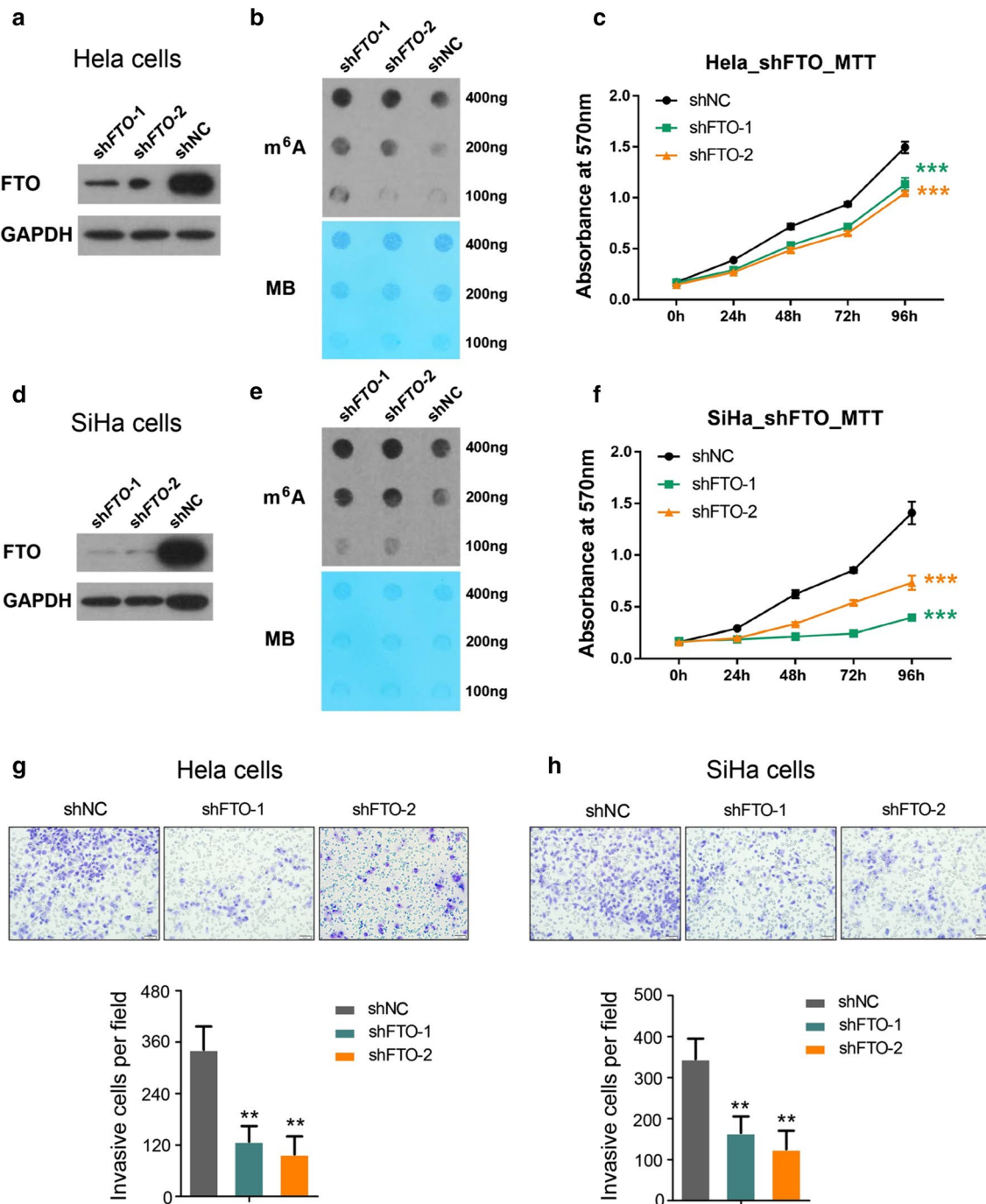


Fig. 2 FTO regulates cervical cancer cells' proliferation and migration. **a** Immunoblot analysis of FTO expression in control and knocking down HeLa cells using two different shRNAs; **b** m⁶A dot blot assays of HeLa cells with or without knocking down of FTO. MB, methylene blue staining (as loading control); **c** effects of knocking down FTO on HeLa cells growth/proliferation. ***P < 0.001. (Student's t test); **d** Western blot analysis of FTO expression in control and knocking down SiHa cells using same shRNAs as described in **a**; **e** m⁶A dot blot assays of SiHa cells with or without knocking down of FTO. MB, methylene blue staining (as loading control); **f** effects of knocking down FTO on SiHa cells growth/proliferation. ***P < 0.001. (Student's t test); **g, h** analysis of cell migration capacity using competent or deficient HeLa and SiHa cells

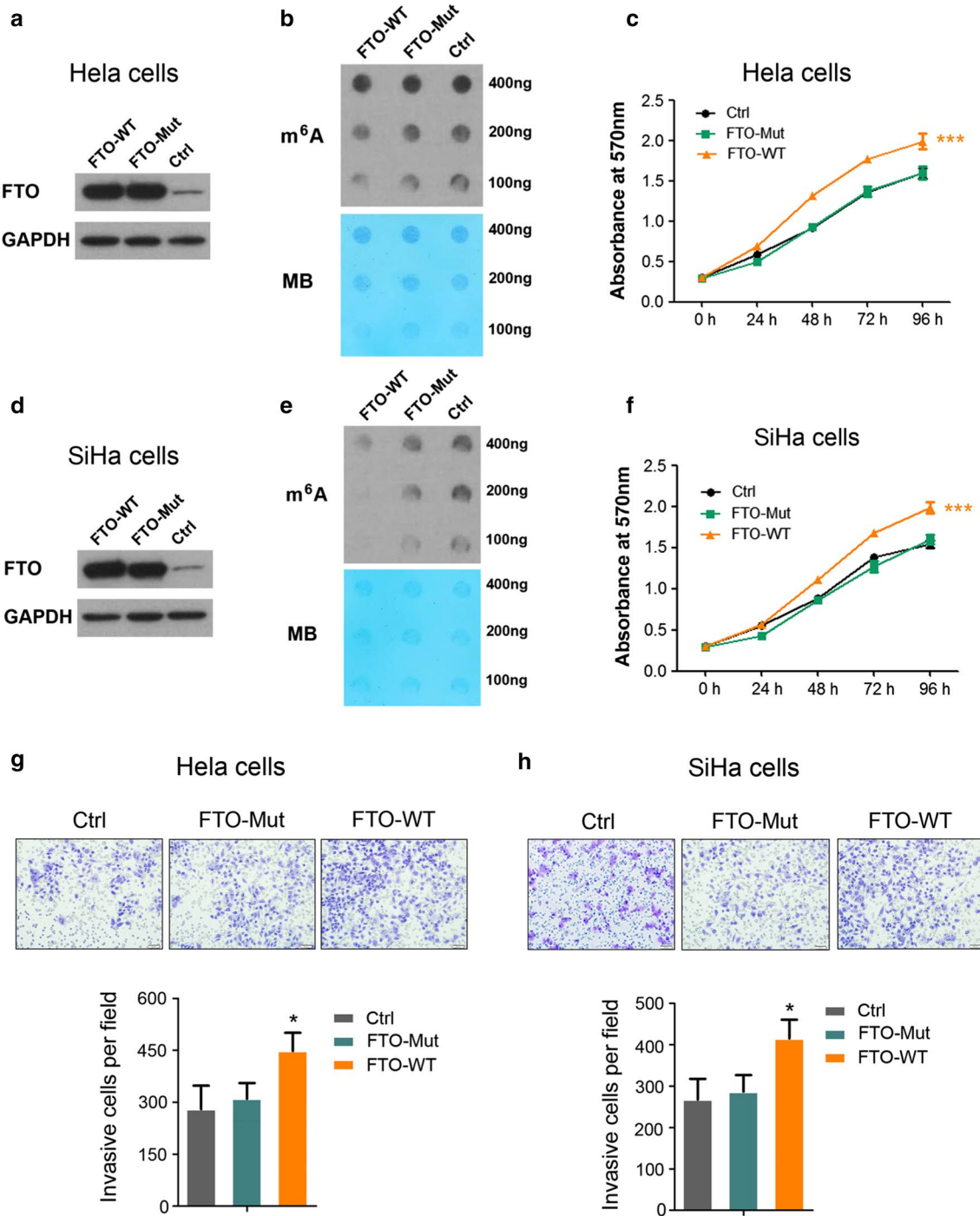
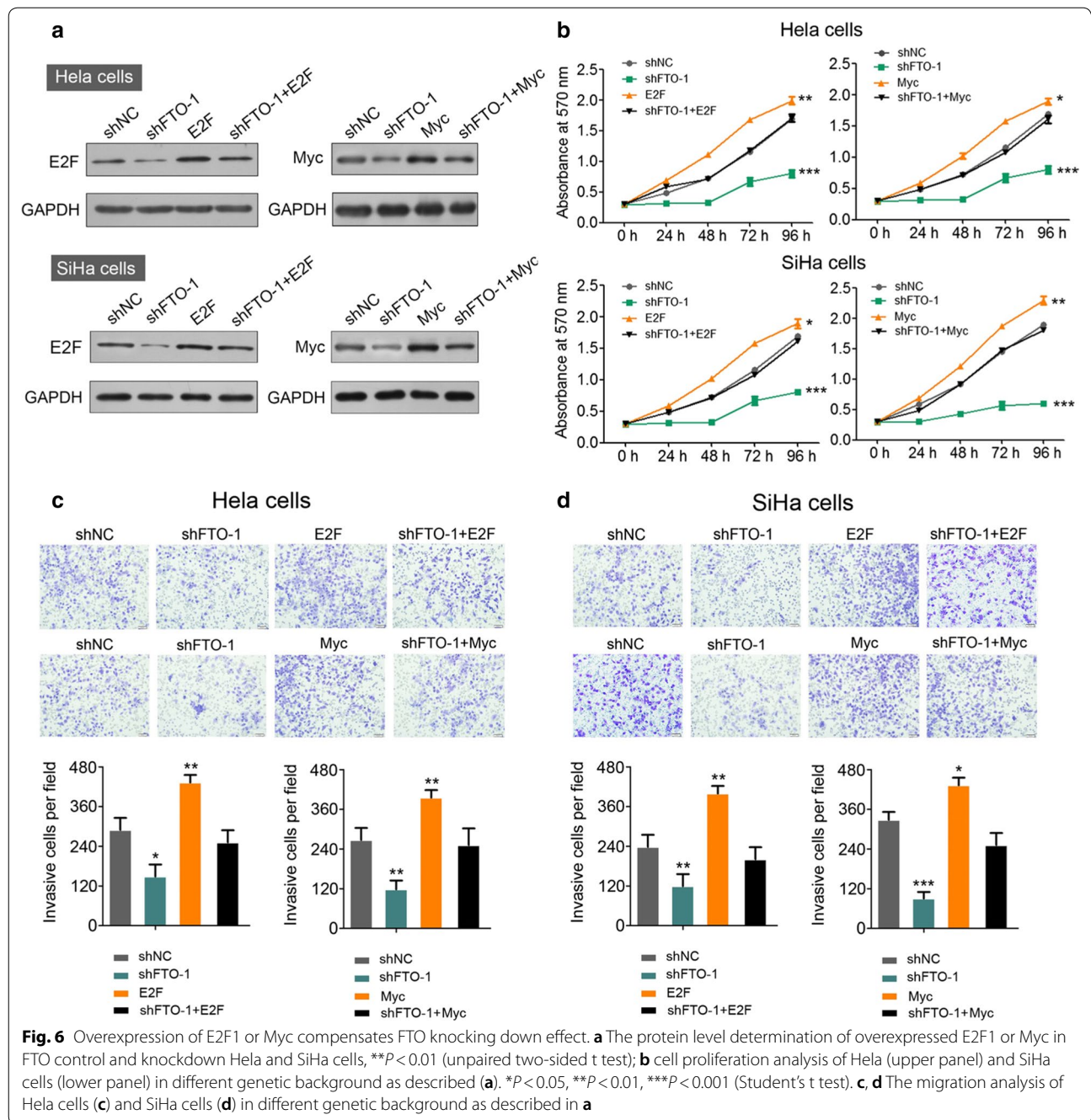


Fig. 3 The m⁶A demethylase activity is required for FTO to play its oncogenic function. **a** Enforced FTO or FTO-mut expression in HeLa cells. FTO-mut carries two point- mutations, H231A and D233A, which disrupt the enzymatic activity of FTO. GAPDH was used as a loading control; **b** m⁶A dot blot assays of HeLa cells with enforced FTO or FTO-mut expression. MB, methylene blue staining (as loading control); **c** effects of FTO or mutant FTO overexpression on HeLa cells' growth/proliferation, ***P < 0.001. (Student's t test); **d** enforced FTO or FTO-mut expression in SiHa cells. GAPDH was used as a loading control; **e** m⁶A dot blot assays of SiHa cells with enforced FTO or FTO-mut expression. MB, methylene blue staining (as loading control); **f** effects of FTO or mutant FTO overexpression on SiHa cells' growth/proliferation, ***P < 0.001. (Student's t test); **g, h** analysis of cell migration capacity in FTO or mutant FTO overexpressed HeLa and SiHa cells



Author details

¹ Chongqing Key Laboratory of Translational Research for Cancer Metastasis and Individualized Treatment, Chongqing University Cancer Hospital & Chongqing Cancer Institute & Chongqing Cancer Hospital, Chongqing 400030, China. ² Department of Systems Biology, Beckman Research Institute of City of Hope, Monrovia, CA, USA. ³ Department of Hematology, School of Medicine, The First Affiliated Hospital of Zhejiang University, Hangzhou 310003, China. ⁴ Department of Thoracic Surgery, Nanfang Hospital, Southern Medical University, Guangzhou 510515, China.

Reference

- Zou D, Dong L, Li C, Yin Z, Rao S, Zhou Q. The m6A eraser FTO facilitates proliferation and migration of human cervical cancer cells. *Cancer Cell Int*. 2019;19:321. <https://doi.org/10.1186/s12935-019-1045-1>.

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.