

CORRECTION

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# Correction: JMJD2C promotes colorectal cancer metastasis via regulating histone methylation of MALAT1 promoter and enhancing $\beta$ -catenin signaling pathway

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**Correction: J Exp Clin Cancer Res 38, 435 (2019)**  
<https://doi.org/10.1186/s13046-019-1439-x>

Following publication of the original article [1], errors were identified in Figs. 2, 3, 7 and S1; specifically:

- Figure 2F: an image for the shRNA/JMJD2C group (72h) was incorrectly used for a representative picture; the correct image is now used; correspondingly, the quantitative graph in Fig. 2G has also been corrected
- Figure 3B: one set of immunofluorescence pictures for shRNA/NC group were incorrectly used for the representative pictures; the correct images are now used
- Figure 7: the order of shRNA/NC group and EmptyVector group for c-Myc was accidentally reversed in typesetting, which was inconsistent with the JMJD2C images in Figure 6 and ITGBL1 images in Figure 7; both sets of images have now been transposed to correct the error

- Figure S1D: an image for Empty Vector group was incorrectly used for a representative picture; the correct image is now used; correspondingly, the quantitative graph in Figure S1E has also been corrected.

The corrections do not have any effect on the final conclusions of the paper.

## Supplementary Information

The online version contains supplementary material available at <https://doi.org/10.1186/s13046-022-02407-0>.

**Additional file 1: Figure S1.** JMJD2C promoted the metastasis of CRC LoVo cells. a-c Real time PCR and western blotting were performed to confirm the gene silencing and overexpressing efficiency for JMJD2C. LoVo was transiently transfected with shRNA/NT vector, shRNA/JMJD2C vector, empty overexpression vector, or JMJD2C overexpression vector. d Migration assays of LoVo cells transfected with shRNA/NT, shRNA/JMJD2C, empty vector, or JMJD2C overexpression vector, respectively. e Numbers of migrated cells are shown as mean  $\pm$  SD;  $n = 3$ . \*,  $P < 0.05$ ; \*\*,  $P < 0.01$  (t test).

The original article can be found online at <https://doi.org/10.1186/s13046-019-1439-x>.

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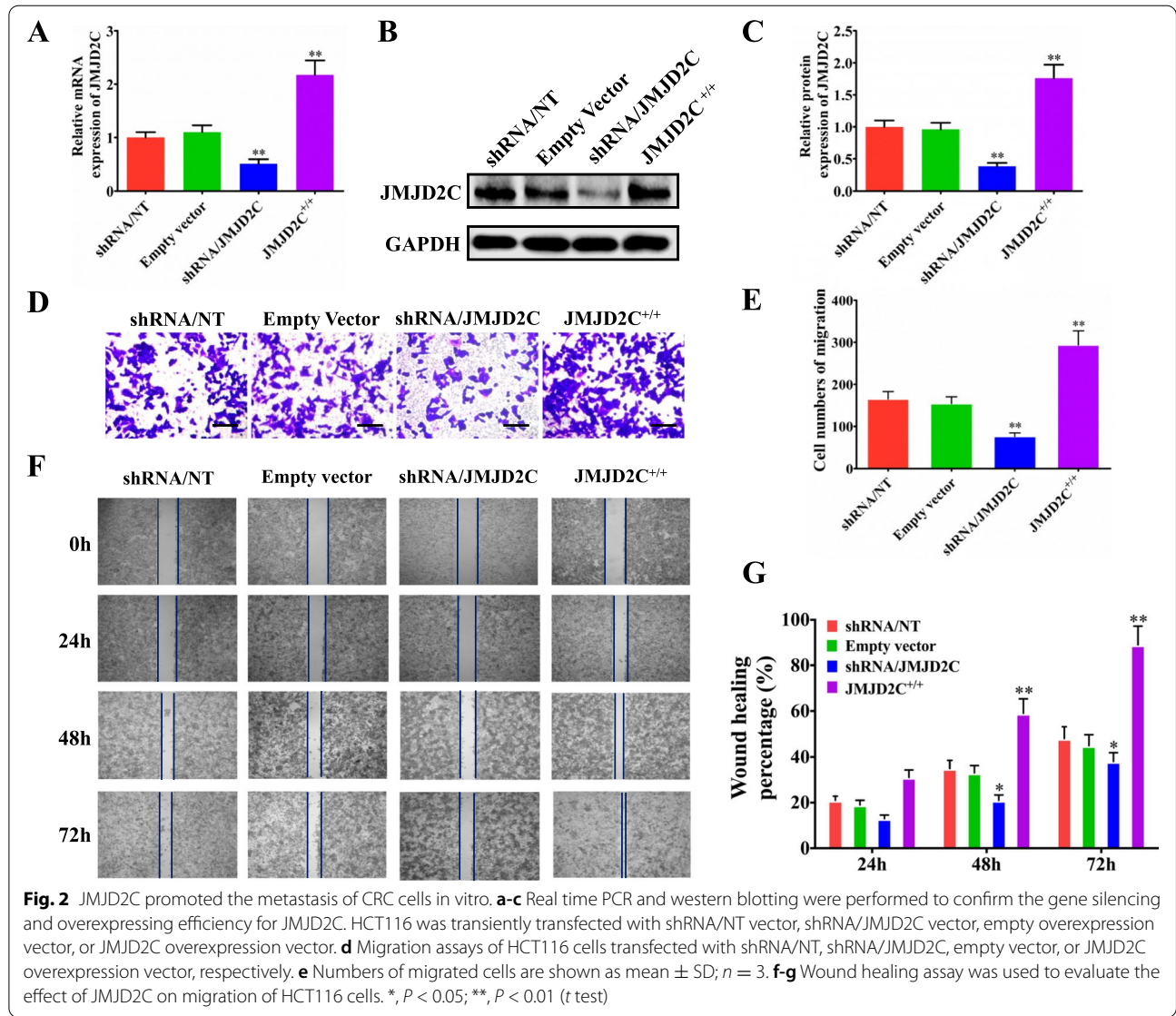
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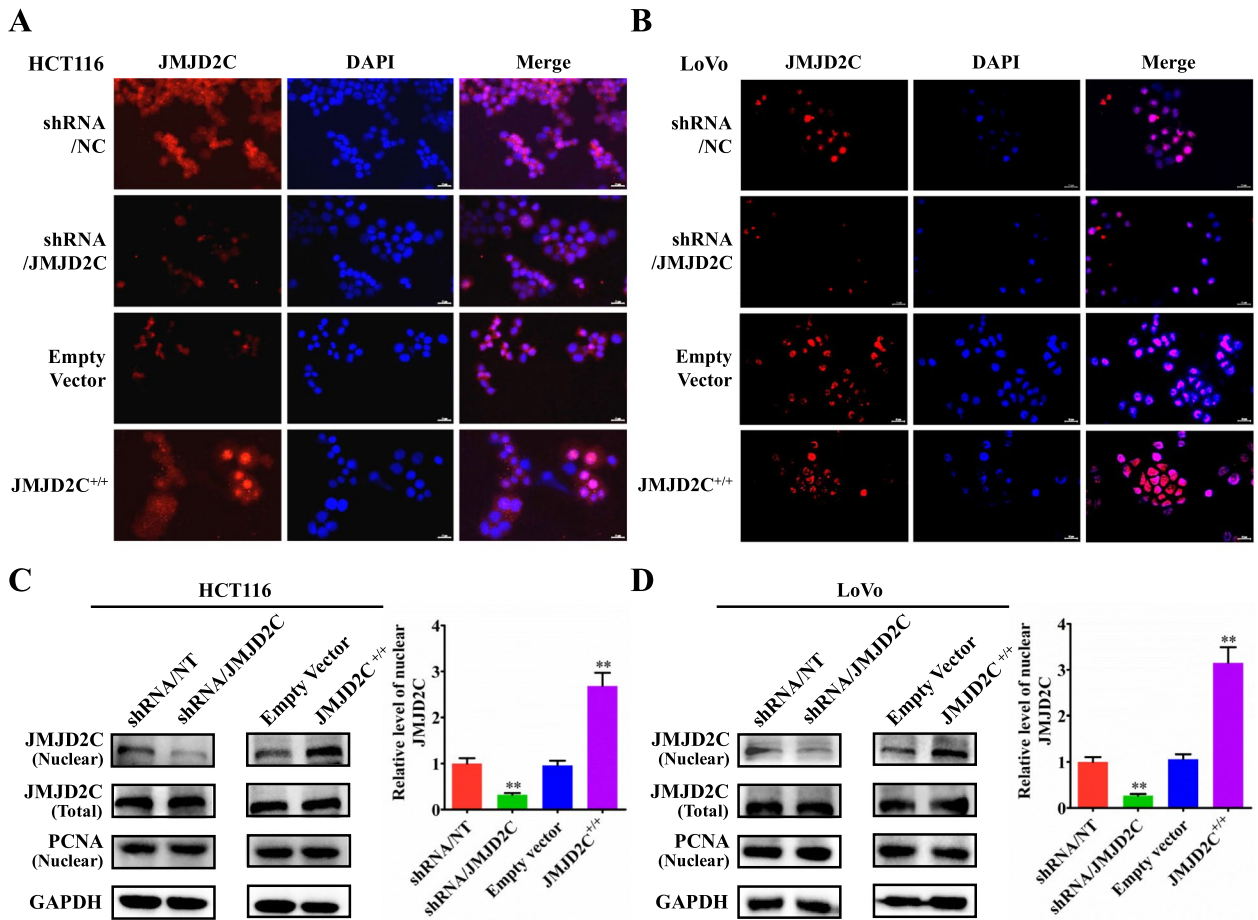
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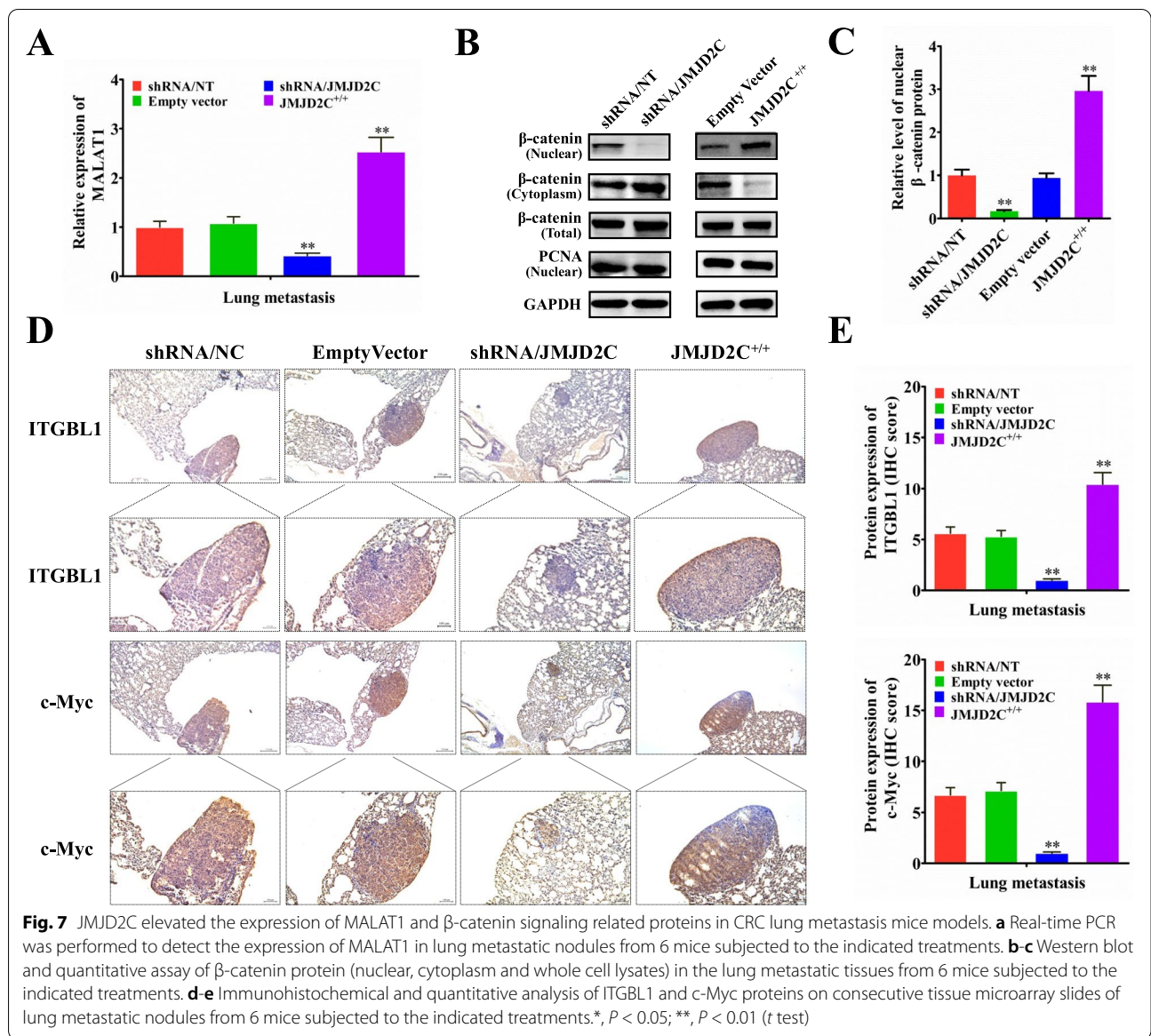


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**Fig. 3** Translocation of JMJD2C protein from the cytoplasm into the nuclei in CRC cells in vitro. **a-b** Immunofluorescence detection of JMJD2C protein in HCT116 or LoVo cells transiently transfected with shRNA/NT vector, shRNA/JMJD2C vector, empty overexpression vector, or JMJD2C overexpression vector. **c-d** Western blot and quantitative assay of JMJD2C protein (nuclear and whole cell lysates) in HCT116 or LoVo cells transiently transfected with shRNA/NT vector, shRNA/JMJD2C vector, empty overexpression vector, or JMJD2C overexpression vector. \*,  $P < 0.05$ ; \*\*,  $P < 0.01$  (t test)



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1. Wu X, Li R, Song Q, et al. JMJD2C promotes colorectal cancer metastasis via regulating histone methylation of MALAT1 promoter and enhancing  $\beta$ -catenin signaling pathway. *J Exp Clin Cancer Res*. 2019;38:435. <https://doi.org/10.1186/s13046-019-1439-x>.

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