

Corrigendum: Reconstruction and Analysis of the IncRNA-miRNA-mRNA Network Based on Competitive Endogenous RNA Reveal Functional IncRNAs in Dilated Cardiomyopathy

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*Correspondence:

Fei Hua huafei1970@suda.cn Xiaoyu Yang jsczyxy@163.com

[†]These authors have contributed equally to this work

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¹Department of Cardiology, The Third Affiliated Hospital of Soochow University, Changzhou, China, ²Department of Endocrinology, The Third Affiliated Hospital of Soochow University, Changzhou, China

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A Corrigendum on

Reconstruction and Analysis of the lncRNA-miRNA-mRNA Network Based on Competitive Endogenous RNA Reveal Functional lncRNAs in Dilated Cardiomyopathy

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In the original article, an incorrect representative image of immunofluorescent staining for cardiac fibroblasts was contained in **Figure 6G** as published. The immunofluorescent staining of EdU/ α -SMA in **Figure 6G** (nc agomir group) was duplicated as **Figure 6I** (nc antagomir group), which was mistakenly presented. The correct representative images for **Figure 6G** appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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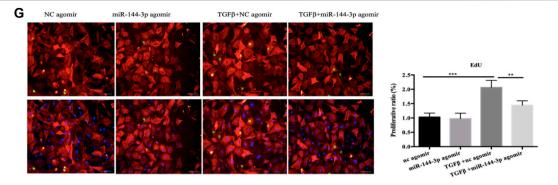


FIGURE 6 | Functional study of miR-144-3p *in vitro*. (A). qRT-PCR analysis of miRNA between cardiomyocytes and fibroblasts (n = 6). (B,C). qRT-PCR analysis of the transfection efficacy of miR-144-3p with agomir/antagomir compared to controls (n = 6). (C-E). Overexpression or downregulation of miR-144-3p did not perform effects on cardiomyocyte cell size and pathological hypertrophic markers (ANP and BNP), as evidence by α-actin/DAPI staining (n = 4) and qRT-PCR analysis (n = 6). (F). Decreased expression of miR-144-3p in cardiac fibrosis model induced by TGFβ (n = 6). (G,H). Forced expression of miR-144-3p attenuated TGFβ-induced cardiac fibroblast proliferation and trans-differentiation, as evidenced by EdU/α-SMA staining (n = 4) and qRT-PCR analysis of α-SMA, Col1a1 and Col3a1 (n = 6) (I,J). inhibition of miR-144-3p deteriorated TGFb-induced cardiac fibroblasts proliferation and trans-differentiation as evidenced by EdU/α-SMA staining (n = 4) and qRT-PCR analysis (n = 6). Scale bar: 50 um. *, ρ < 0.05; **, ρ < 0.01; ***, ρ < 0.001.