

Retraction

Retraction Notice to:
Modulation of TNF α Activity
by the microRNA Let-7
Coordinates Zebrafish Heart Regeneration

Ashley M. Smith, Christina A. Dykeman, Benjamin L. King, and Viravuth P. Yin*

(iScience 15, 1–15; May 31, 2019)

This article has been retracted at the request of the authors.

Several concerns leading to this retraction were brought to the attention of the authors <https://ori.hhs.gov/content/case-summary-yin-viravuth-p>. These issues include reusing, relabeling, and reporting phosphate buffer saline (PBS) controls as scrambled antisense locked nucleic acids (LNAs) in the experimental results of Figure 2B (RT-qPCR data representing the knockdown of let7 expression), Figure 2C (images of tcf21:Dsred expression in LNA-let-7-treated hearts at 3, 14, and 21 days postamputation [dpa], showing defects in wound closure), Figure 2D (quantification of tcf21:Dsred expression within the resection wound in LNA-let-7-treated hearts), 3A (images exhibiting proliferating cardiac muscles), Figure 3B (suppression of cardiac muscles' proliferation indices in LNA-let-7 hearts at 3t and 7 dpa), Figure 3C (severity of the injured heart phenotype), Figure 3D (quantification of the severity of the injury heart phenotype), Figure 4A (electron microscopy images of remote and injury zones of resected 7-dpa hearts), Figure 4B (images of Tg(gata4:GFP) expression in the primordial heart muscle layer), Figure 4C (quantification of gata4:GFP expression in control and LNA-let-7-treated hearts), Figures 5A and 5C and Table S1 (RNA transcripts identifying differentially upregulated TNF- α transcripts and their resultant qPCR results, which identified increased TNF α expression), and Figure S5B and S5C (cardiac muscle proliferation results) as well as Figures 2C and 3A of the correction (also retracted) related to this article (images representing the function of let-7). All authors agree to the retraction.

*Correspondence:
vyin@mdibl.org
<https://doi.org/10.1016/j.isci.2022.104362>

