



Correction: Short-term L-arabinose administration alleviates MASLD by remodeling gut microbiota and activating hepatic ATF5-dependent mitochondrial unfolded protein response

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Citation: Zhang H, Chen R, Zhang W, Ning J, Wang Y, Li Y, Zhao M, Lin D, Wang X.

Correction: Short-term L-arabinose administration alleviates MASLD by remodeling gut microbiota and activating hepatic ATF5-dependent mitochondrial unfolded protein response. *Metab Target Organ Damage*. 2026;6:47.

<https://dx.doi.org/10.20517/mtod.2026.172>

Received: 5 Aug 2026

Accepted: 11 Aug 2026

Published: 14 Aug 2026

Academic Editor:

Amedeo Lonardo

Copy Editor:

Ting-Ting Hu

Production Editor:

Ting-Ting Hu



Correction to *Metab Target Organ Damage*. 2025;5:59.

In the original publication^[1], the magnification indicated for the representative microscopic image in [Figure 7C](#) was incorrect. To ensure consistency with the original experimental records, the authors have replaced the published image with another representative field from the same experiment and the same sample, and corrected the magnification label accordingly.

On page 13, [Figure 7C](#) should be replaced.

The corrected version of [Figure 7C](#) is as follows:

This correction is limited to the representative image and its magnification label. It does not affect the experimental design, quantitative analyses, statistical results, or data interpretation. Accordingly, the results and conclusions of the article remain unchanged.

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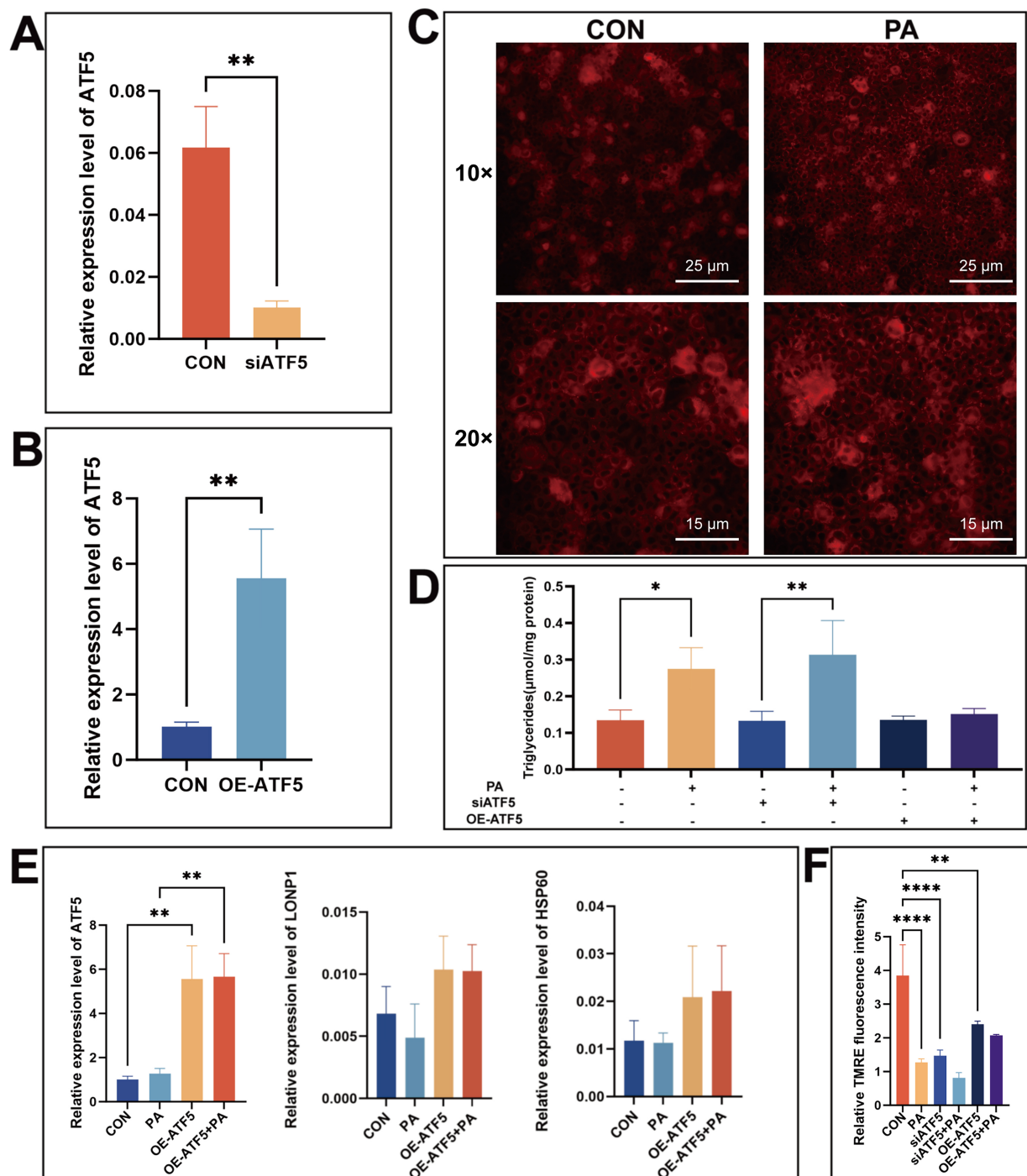


Figure 7. The effect of ATF5 overexpression or knockdown on AML12 cells. (A) Validation of ATF5 knockdown cell model by qPCR; (B) Validation of ATF5 overexpression cell model by qPCR analysis; (C) Nile Red staining showing PA-induced lipid accumulation in AML12 cells; (D) Measurement of TG content in AML12 cells under different treatments; (E) qPCR analysis of the expression levels of ATF5, HSP60, and LONP1 in the ATF5 overexpression model; (F) TMRE staining relative fluorescence intensity. (**** $P < 0.0001$, *** $P < 0.001$, ** $P < 0.01$, and * $P < 0.05$). ATF5: Transcription factor 5; siATF5: small interfering RNA targeting transcription factor 5; OE-ATF5: transcription factor 5 overexpression; CON: control; PA: palmitic acid; AML12: alpha mouse liver 12; qPCR: TG: triglyceride; HSP60: heat shock protein 60; LONP1: Lon protease 1.

REFERENCES

1. Zhang H, Chen R, Zhang W, et al. Short-term L-arabinose administration alleviates MASLD by remodeling gut microbiota and activating hepatic ATF5-dependent mitochondrial unfolded protein response. *Metab Target Organ Damage*. 2025;5:59. [DOI](#)

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