



Correction

# Correction: Zhao et al. Transcription Factor IAA27 Positively Regulates P Uptake through Promoted Adventitious Root Development in Apple Plants. *Int. J. Mol. Sci.* 2022, 23, 14029

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In the original publication [1], there was a mistake in Figures 1D, 8A and 9B, as published. The authors sincerely apologize for this oversight and confirm that these errors were caused by a software layout problem and unintentional uploading of representative images.

The corrected “Figures 1, 8 and 9” appear below. The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.



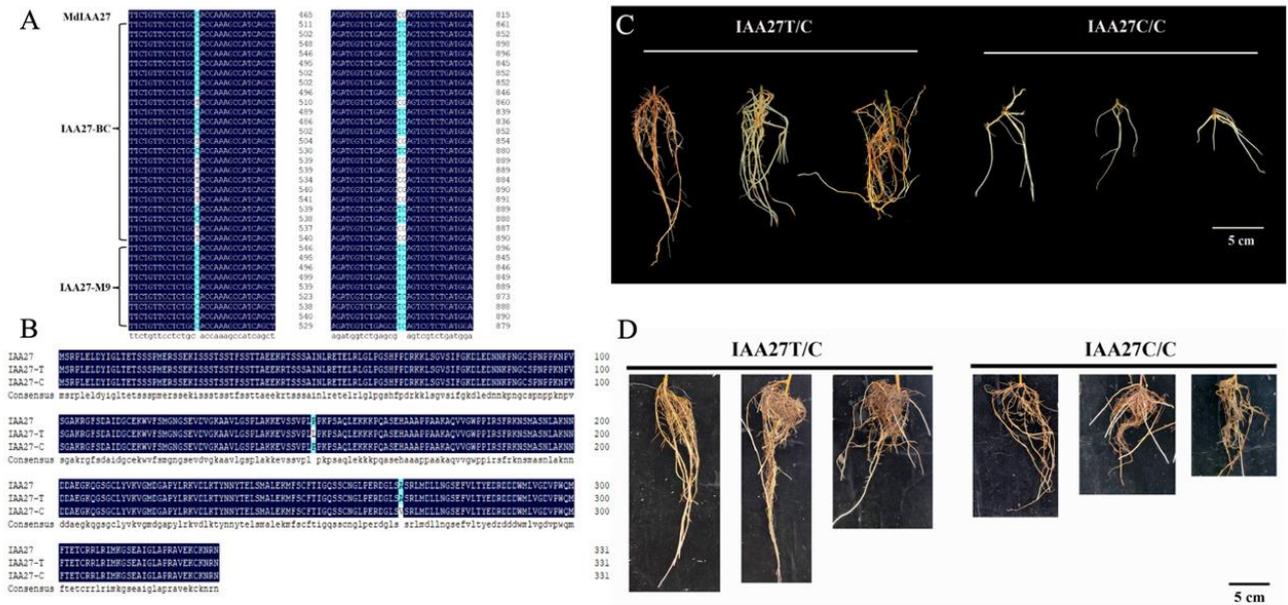
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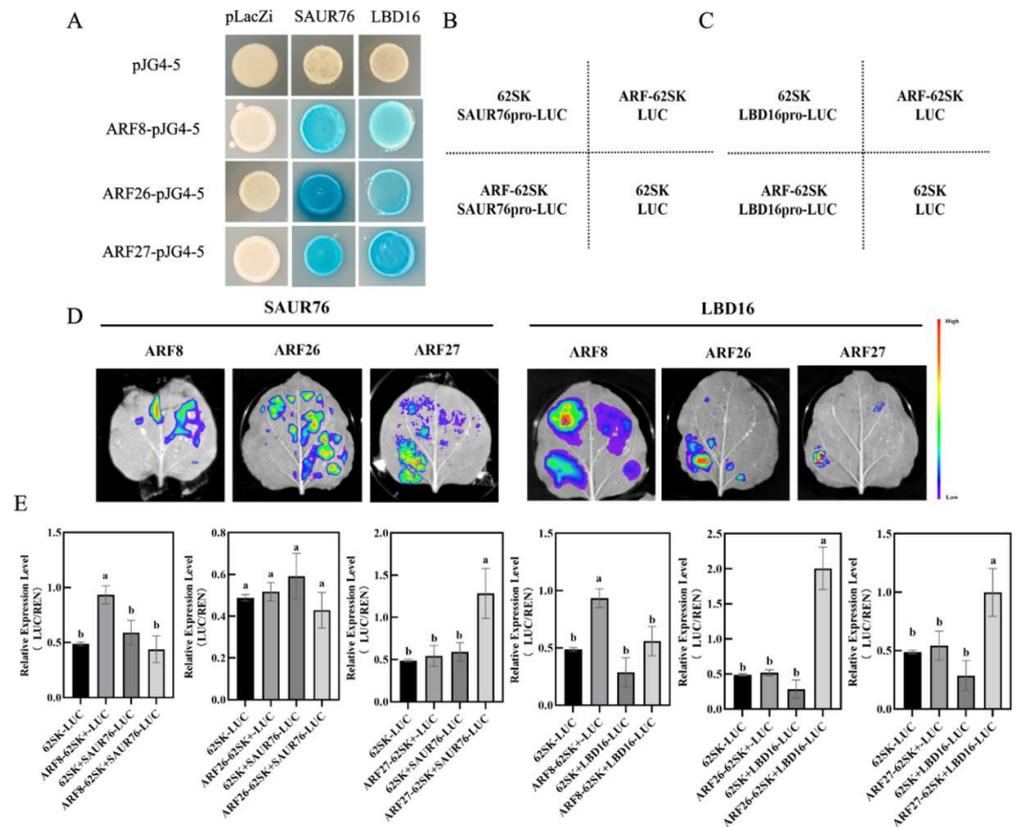
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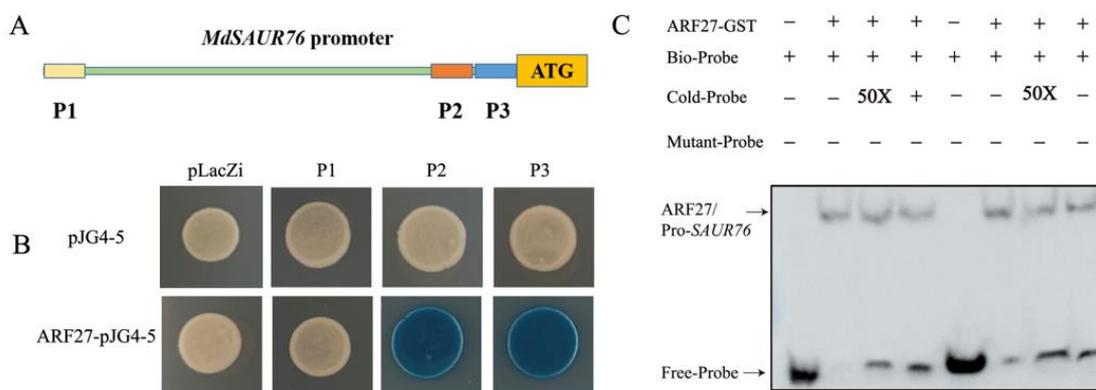


**Figure 1.** Identification of IAA27 related to root development in the parents ‘BC’ and ‘M9’ and their progenies. (A) Variation in the *IAA27* CDS sequence of the parents ‘BC’ and ‘M9’. (B) Amino acid sequence analysis of IAA27 transcription factors. (C) Phenotypes of adventitious roots from six progenies crossed from ‘BC’ and ‘M9’. The progenies were harvested for adventitious root trait analysis at 30 days after cutting. Scale bars: 5 cm. (D) After low phosphorus treatment for 30 days, adventitious roots of progenies were photographed. Scale bars: 5 cm.



**Figure 8.** MdARFs directly bind to the promoter of *MdSAUR76* and *MdLBD16*. (A) Results of the Y1H, showing MdARF8, MdARF26, and MdARF27 binding to the *MdSAUR76* and *MdLBD16* promoter. (B–E) Effect of MdARFs on the regulation of the *MdSAUR76* and *MdLBD16* promoter in tobacco leaves and LUC/REN ratio analysis. Red color represents a stronger signal, and violet color

represents a weaker signal. Error bars indicate standard deviations (s.d.) from three biological replicates. These assays were repeated three times with the same results. Different letters represent significant differences ( $p < 0.05$ ).



**Figure 9.** Interaction of MdIAA27 with the promoter of *MdSAUR76*. **(A)** Schematic diagram of the *MdSAUR76* promoter region; **(B)** Y1H confirmation of the binding of *MdSAUR76* promoter P2 and P3 fragments by MdARF27; **(C)** EMSA assay showing that MdARF27 could directly bind to the promoters of *MdSAUR76* (P2 and P3). The plus and minus signs indicate the presence or absence of that protein, respectively.

## Reference

1. Zhao, S.; Zhao, X.; Xu, X.; Han, Z.; Qiu, C. Transcription Factor IAA27 Positively Regulates P Uptake through Promoted Adventitious Root Development in Apple Plants. *Int. J. Mol. Sci.* **2022**, *23*, 14029. [[CrossRef](#)] [[PubMed](#)]

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