



# Corrigendum: Overexpression of an *Apocynum venetum* DEAD-Box Helicase Gene (*AvDH1*) in Cotton Confers Salinity Tolerance and Increases Yield in a Saline Field

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**Keywords:** DEAD-box helicase, *AvDH1*, cotton, salinity, yield, field trial

## A corrigendum on

### Overexpression of an *Apocynum venetum* DEAD-Box Helicase Gene (*AvDH1*) in Cotton Confers Salinity Tolerance and Increases Yield in a Saline Field

by Chen, J., Wan, S., Liu, H., Fan, S., Zhang, Y., Wang, W., et al. (2015). *Front. Plant Sci.* 6:1227. doi: 10.3389/fpls.2015.01227

Reason for Corrigendum:

In the Original Research article, the “W” and “P” lanes in the published version of **Figure 1C** were spliced into the figure rather than run out as part of a contiguous gel/blot, we have regenerated new, unprocessed images via further experimentation. The revised version of Figure has been provided below in the last page and modifications have been made to the corresponding sections in the main text.

In the “Materials & Methods” section, sub section “PCR and Southern Blot”, the last two sentences of the paragraph has been modified from

A [<sup>32</sup>P]-labeled *AvDH1* gene was used as the probe. Southern blots were hybridized by following the standard procedure provided by the manufacturer. After hybridization and stringent washing, the radioactive membranes were exposed to an imaging plate (Fuji Photo Film, Japan) for 5 h or overnight to record the images.

to

A DIG-labeled marker (molecular weight marker II, Roche Diagnostics, Mannheim, Germany) was used for size estimation, and a digoxigenin (DIG)-labeled *AvDH1* gene sequence was used as the probe. Incorporation of digoxigenin-11-dUTP into the *AvDH1* probe was done by Taq DNA polymerase during a PCR reaction using forward primer *AvDH1*-F 5'-TTGGCGGCAATAGCGT-3' and reverse primer *AvDH1*-R 5'-CCTTAGTAGCACCACCCT-3', following the supplier's instruction (Roche Diagnostics). Southern blots were hybridized using a DIG-High Prime DNA Labeling and Detection Starter Kit II (Roche Diagnostics, Mannheim, Germany) following the standard procedure provided by the manufacturer. After hybridization and stringent washing, X-ray films (Biomax MS, Kodak) exposure was done for 0.5, 1, and 3 h to achieve the desired signal strength.

## OPEN ACCESS

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In the “Results” section, sub section “Regeneration and Analysis of Transgenic Cotton Plants”, the word “Upper” has been changed to “Left” and “lower” has been changed to “right”.

The authors apologize for the ambiguity. This error does not change the scientific conclusions of the article in any way.

## ACKNOWLEDGMENTS

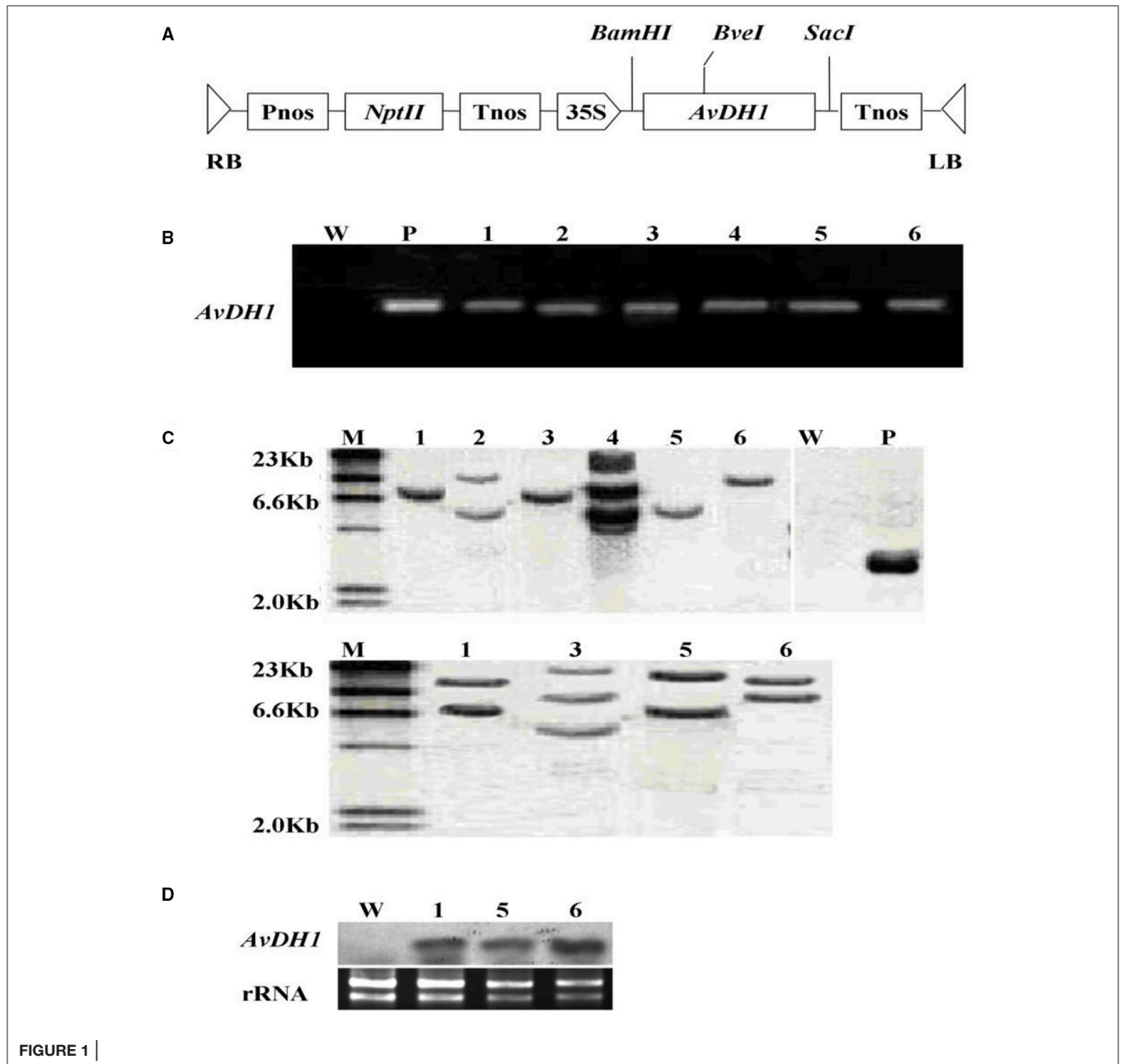
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**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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**Figure 1** The Published version:



## The revised version:

