

Retraction Note: *O*-GlcNAc-mediated interaction between VER2 and TaGRP2 elicits *TaVRN1* mRNA accumulation during vernalization in winter wheat

Retraction to: *Nature Communications*
<https://doi.org/10.1038/ncomms5572>,
 published online 05 August 2014

<https://doi.org/10.1038/s41467-025-63737-z>

Published online: 05 September 2025



Jun Xiao, Shujuan Xu, Chunhua Li, Yunyuan Xu, Lijing Xing, Yuda Niu, Qing Huan, Yimiao Tang, Changping Zhao, Doris Wagner, Caixia Gao & Kang Chong

The Editors have retracted this article. After publication, concerns were raised regarding some of the data presented in the figures, specifically:

- Fig. 4A Input Anti-GFP lanes 1, 2 and 3 appear highly similar to Fig. 4B Input Anti-GFP lanes 1, 3 and 4, respectively;
- Fig. 4C Total protein CTD110.6 V0 PUGNAc and V28 PUGNAc lanes appear highly similar to Cytosolic TaGRP2 V28 Mock and PUCNAc (rotated), respectively;
- Fig. 4D-a and e appear to share similar features;
- Fig. 4D-d appears to show a duplicated protoplast;
- Fig. 5E IP: TaGRP2 RIP-2 and RIP-4 appear highly similar;
- The blots in Figs. S10 and S11 appear to contain repetitive features and duplicated patterns in the gel backgrounds, and don't fully match the data presented in the figures.

The authors have stated that Fig. 4D-a and d were misplaced, and the protoplast similarity was due to the same samples of living cells being imaged at 2-hour intervals; however, they were unable to explain the duplicated protoplast in panel d. They have also confirmed that some blots were edited to improve presentation.

The Editors therefore no longer have confidence in the presented data.

Doris Wagner agrees with this retraction. Jun Xiao, Shujuan Xu, Chunhua Li, Yunyuan Xu, Lijing Xing, Yuda Niu, Qing Huan and Kang Chong disagree with this retraction. Yimiao Tang, Changping Zhao and Caixia Gao have not responded to any correspondence from the editor or publisher about this retraction.

Open Access This article is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License, which permits any non-commercial use, sharing, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if you modified the licensed material. You do not have permission under this licence to share adapted material derived from this article or parts of it. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by-nc-nd/4.0/>.

© Springer Nature Limited 2025