



OPEN

Retraction Note: *PPP1*, a plant-specific regulator of transcription controls *Arabidopsis* development and *PIN* expression

René Benjamins, Elke Barbez, Martina Ortbauer, Inez Terpstra, Doris Lucyshyn, Jeanette Moulinier-Anzola, Muhammad Asaf Khan, Johannes Leitner, Nenad Malenica, Haroon Butt, Barbara Korbei, Ben Scheres, Jürgen Kleine-Vehn & Christian Luschnig

Retraction of: *Scientific Reports* <https://doi.org/10.1038/srep32196>, published online 24 August 2016

The Authors have retracted this Article.

In follow-up experiments on this work, we noticed a mix up of transgenic lines expressing N- and C-terminally tagged *PPP1* reporter constructs under the 35S promoter. All the lines presented in the manuscript in Figure 4i–n correspond to the identical N-terminally tagged 35S::*GFP:PPP1* expression cassette, and the GFP signal localizes to nucleus and cytoplasm. Expression of this construct results in a limited rescue of the *ppp1-476* seedling phenotypes. However, the level of complementation is not comparable to complementation by a C-terminally GFP-tagged version of the protein that is in fact localized to the chloroplast, as reported by Manavski et al. [1]. As such, we are unable to support the conclusions presented as a nuclear regulator of *PIN* expression.

René Benjamins, Elke Barbez, Martina Ortbauer, Inez Terpstra, Doris Lucyshyn, Jeanette Moulinier-Anzola, Muhammad Asaf Khan, Johannes Leitner, Nenad Malenica, Barbara Korbei, Ben Scheres, Jürgen Kleine-Vehn & Christian Luschnig agree with the retraction and its wording. Haroon Butt did not respond to the correspondence about the retraction.

Reference

1. Manavski, N., Torabi, S., Lezhneva, L., Arif, M.A., Frank, W., Meurer, J. HIGH CHLOROPHYLL FLUORESCENCE145 Binds to and Stabilizes the *psaA* 5' UTR via a Newly Defined Repeat Motif in Embryophyta. *Plant Cell* **27**, 2600–2615, <https://doi.org/10.1105/tpc.15.00234> (2015).



Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, 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 changes were made. 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/4.0/>.

© The Author(s) 2021