



OPEN ACCESS

APPROVED BY
Frontiers in Plant Science
Editorial Office,
Frontiers Media SA, Switzerland

*CORRESPONDENCE
Steffen Vanneste
steffen.vanneste@ugent.be

SPECIALTY SECTION
This article was submitted to
Plant Physiology,
a section of the journal
Frontiers in Plant Science

RECEIVED 17 November 2022
ACCEPTED 18 November 2022
PUBLISHED 01 December 2022

CITATION
Wang R, Himschoot E, Chen J,
Boudsocq M, Geelen D, Friml J,
Beeckman T and Vanneste S (2022)
Corrigendum: Constitutive active
CPK30 interferes with root growth
and endomembrane trafficking in
Arabidopsis thaliana.
Front. Plant Sci. 13:1100792.
doi: 10.3389/fpls.2022.1100792

COPYRIGHT
© 2022 Wang, Himschoot, Chen,
Boudsocq, Geelen, Friml, Beeckman
and Vanneste. This is an open-access
article distributed under the terms of
the [Creative Commons Attribution
License \(CC BY\)](https://creativecommons.org/licenses/by/4.0/). The use, distribution
or reproduction in other forums is
permitted, provided the original author
(s) and the copyright owner(s) are
credited and that the original
publication in this journal is cited, in
accordance with accepted academic
practice. No use, distribution or
reproduction is permitted which does
not comply with these terms.

Corrigendum: Constitutive active CPK30 interferes with root growth and endomembrane trafficking in *Arabidopsis thaliana*

Ren Wang^{1,2}, Ellie Himschoot^{1,2}, Jian Chen^{1,2}, Marie Boudsocq^{3,4},
Danny Geelen⁵, Jiří Friml⁶, Tom Beeckman^{1,2}
and Steffen Vanneste^{1,2,5,7*}

¹Department of Plant Biotechnology and Bioinformatics, Ghent University, Ghent, Belgium, ²VIB Center for Plant Systems Biology, Ghent, Belgium, ³Université Paris-Saclay, CNRS, INRAE, Univ. Evry, Institute of Plant Sciences Paris-Saclay (IPS2), Orsay, France, ⁴Université de Paris, Institute of Plant Sciences Paris-Saclay (IPS2), Orsay, France, ⁵Department of Plants and Crops, Ghent University, Ghent, Belgium, ⁶Institute of Science and Technology Austria, Klosterneuburg, Austria, ⁷Lab of Plant Growth Analysis, Ghent University Global Campus, Incheon, South Korea

KEYWORDS

calcium-dependent kinase, CPK30, endosome, Brefeldin A, PIN, root, gravitropism, polarity

A corrigendum on

Constitutive active CPK30 interferes with root growth and endomembrane trafficking in *Arabidopsis thaliana*

by Wang R, Himschoot E, Chen J, Boudsocq M, Geelen D, Friml J, Beeckman T and Vanneste S (2022). *Front. Plant Sci.* 13:862398. doi: 10.3389/fpls.2022.862398

In the published article, there was an error in [Figure 1N](#). The labels III and IV under CPK28 and CPK8, 13 and 30, respectively, were swapped, thereby not adhering to the commonly used grouping (as depicted in [Figure 1A](#)) of the CPK family. The corrected [Figure 1](#) and its caption appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

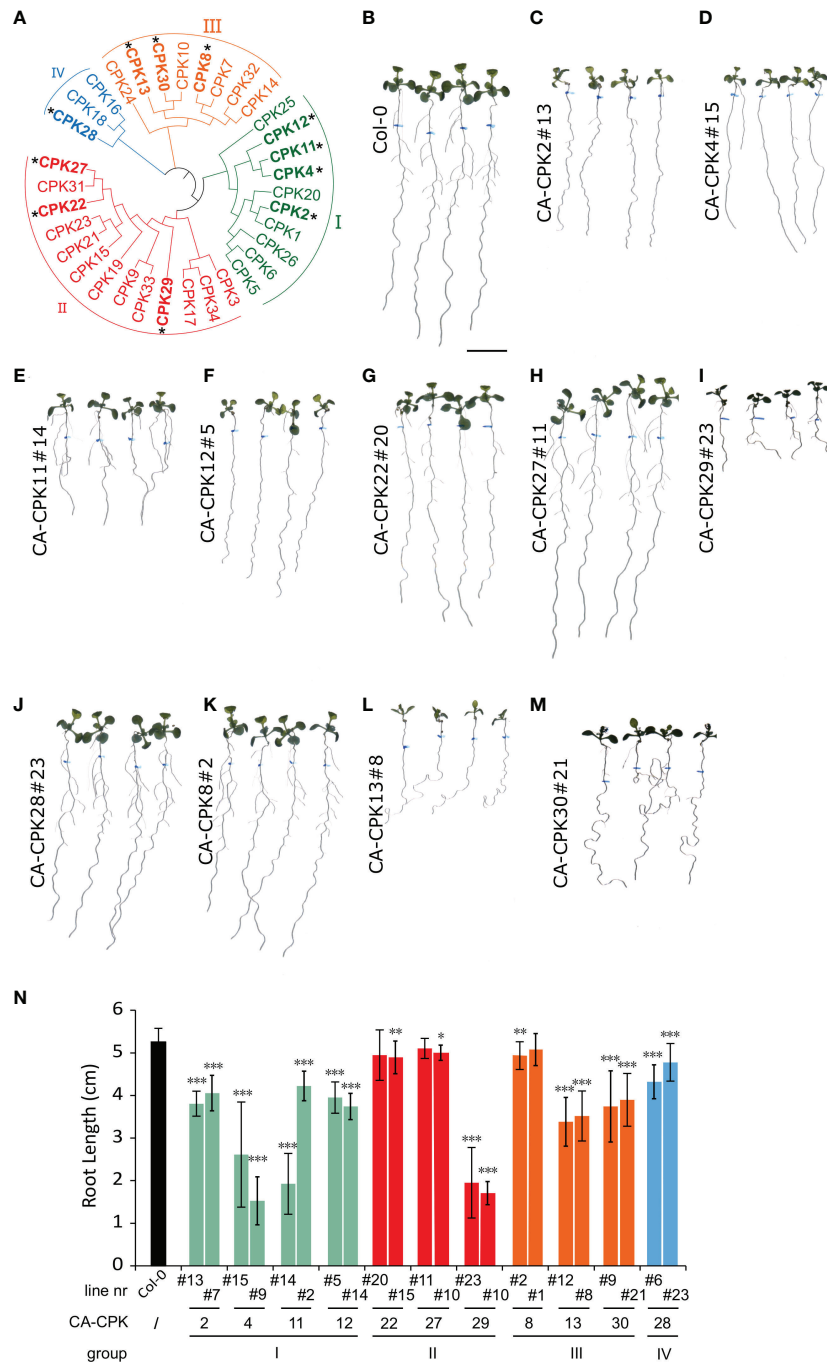


FIGURE 1

Phenotypic screen of constitutive active CPKs. **(A)** Phylogenetic tree of the Arabidopsis CPK family, with indication of the four main subgroups (I-IV). CPKs indicated with an asterisk were analyzed via stable overexpression lines. **(B–M)** Overview of macroscopic phenotypes of CA-CPK lines relative to WT (Col-0). Seeds were grown for 5 days on 1/2 × MS medium then transferred to medium supplemented with 2.5 μM β-estradiol for another 7 days. Scale bar = 1 cm. **(N)** Quantification of root length for indicated CA-CPK lines. Data are represented as the mean ± SD of at two independent replications. $n \geq 12$ for all lines, except for CPK12#14 ($n = 6$) and CA-CPK22#20 ($n = 7$). Asterisk indicates significant difference (Unpaired Student's *t*-test; * $P \leq 0.05$, ** $P \leq 0.01$, *** $P \leq 0.001$) between transgenic lines and WT (Col-0) plants.