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Title:

Class C ARFs evolved before the origin of land plants and antagonize differentiation and developmental transitions in *Marchantia polymorpha* (vol 218, pg 1612, 2018)

Date:

2019-01

Citation:

Flores-Sandoval, E., Eklund, D. M., Hong, S. F., Alvarez, J. P., Fisher, T. J., Lampugnani, E. R., Golz, J. F., Vazquez-Lobo, A., Dierschke, T. & Lin, S. -S. (2019). Class C ARFs evolved before the origin of land plants and antagonize differentiation and developmental transitions in *Marchantia polymorpha* (vol 218, pg 1612, 2018). NEW PHYTOLOGIST, 221 (2), pp.1172-1172. <https://doi.org/10.1111/nph.15533>.

Persistent Link:

<https://hdl.handle.net/11343/285114>

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Article type : COR - Corrigendum

Corrigendum

New Phytologist **218** (2018), 1612–1630, doi: 10.1111/nph.15090

Since its publication, the authors of Flores-Sandoval *et al.* (2018) have brought to our attention an error in their article. At the end of the first paragraph in the Results, subsection ‘Origin and evolution of land plant ARF genes’ (p. 1615) a reference to Nishiyama *et al.* (2018) should have been included. The corrected text section and the full reference to Nishiyama *et al.* are shown below.

We apologize to our readers for this mistake.

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This is the author manuscript accepted for publication and has undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the [Version of Record](#). Please cite this article as [doi: 10.1111/nph.15533](https://doi.org/10.1111/nph.15533)

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Key words: auxin, AUXIN RESPONSE FACTOR (ARF), auxin signalling, class C ARF, land plant evolution, *Marchantia*, mir160.

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Corrected text from the Results, subsection ‘Origin and evolution of land plant ARF genes’, first paragraph (p. 1615)

ARF proteins possess B3 DNA-binding and PB1 protein–protein interaction domains and similar genes are found throughout Streptophytes (Ju *et al.*, 2015; Bowman *et al.*, 2017). Although IAA proteins possess a PB1 domain, they lack the B3 domain (Hori *et al.*, 2014; Bowman *et al.*, 2017). However, lack of an appropriate outgroup has hindered resolution of phylogenetic relationships between ARF and IAA genes. Recent analyses of charophycean algal and liverwort sequences revealed another clade of B3 transcription factors, the RAV family, with a PB1 domain suggesting the two domains were already associated during early charophyte evolution (Bowman *et al.*, 2017). RAV orthologues from other land plant lineages have lost the PB1 domain. Here we made an assumption that the association of the B3 and PB1 domains in ARF and RAV proteins is homologous and used RAV sequences to root the tree and resolve the position of the IAA genes using genome and transcriptome data

from basal land plants and charophycean algae (Rensing *et al.*, 2008; Banks *et al.*, 2011; Nystedt *et al.*, 2013; Wickett *et al.*, 2014; Ju *et al.*, 2015; Vanneste *et al.*, 2015; Cooper & Delwiche, 2016; Nishiyama *et al.*, 2018).

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