

1 **Supplemental material for**

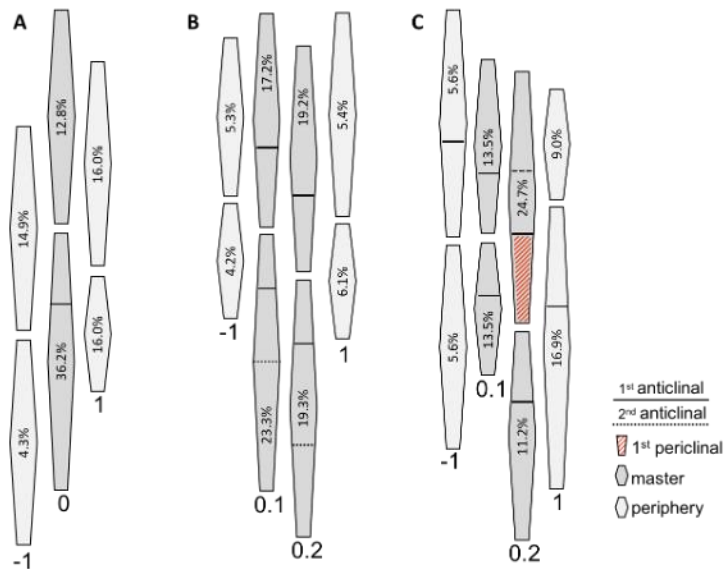
2 **Integration of Cell Growth and Asymmetric Division During Lateral Root Initiation In *Arabidopsis thaliana***

3

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5 Kreshuk, Fred A. Hamprecht and Alexis Maizel

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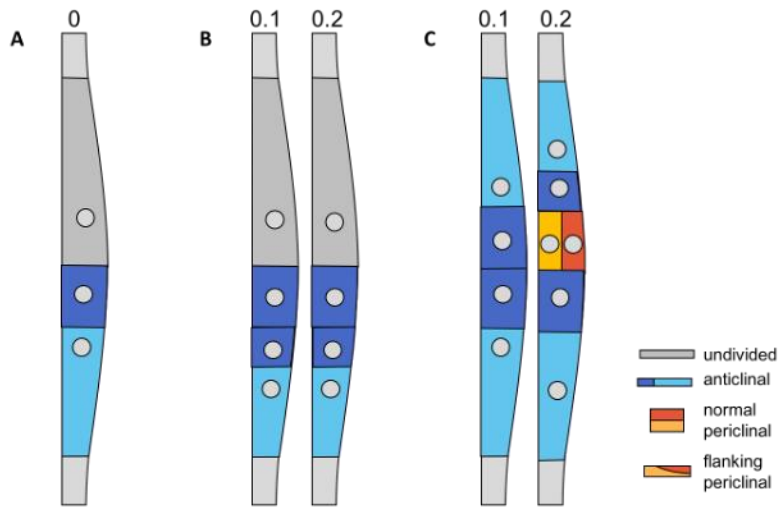
7 **Supplemental figures and legends**



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9 **Figure S1. Frontal view of the organisation of four LRPs at timepoint 0 of each movie.** Percent indicate
 10 the the contribution of each cell file in the 90-cell primordium. Single master cell files are given the index 0
 11 while two neighboring master cell files are indexed 0.1 and 0.2. Peripheral cell files to the right (frontal view)
 12 are indexed 1 to n, and to the left -1 to -n.

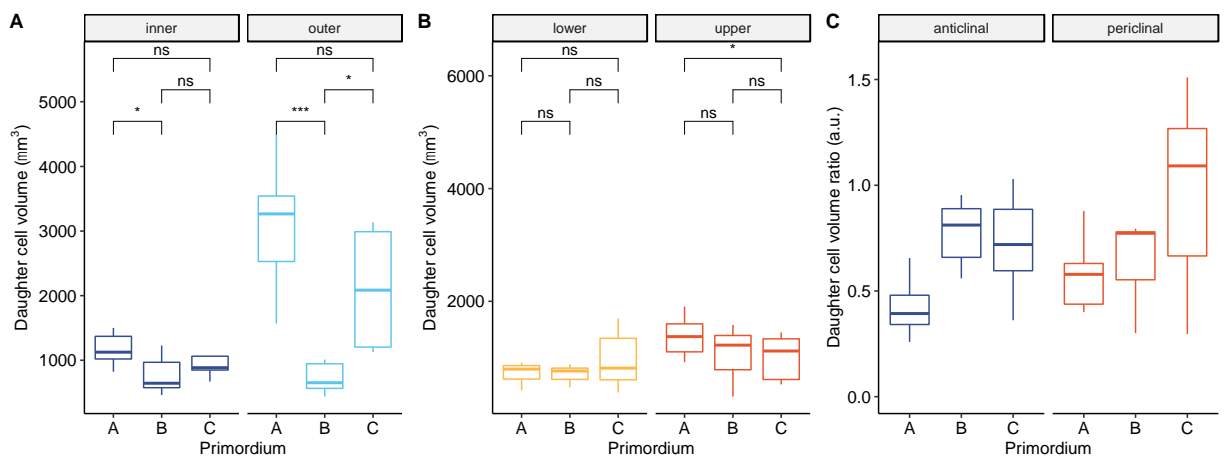
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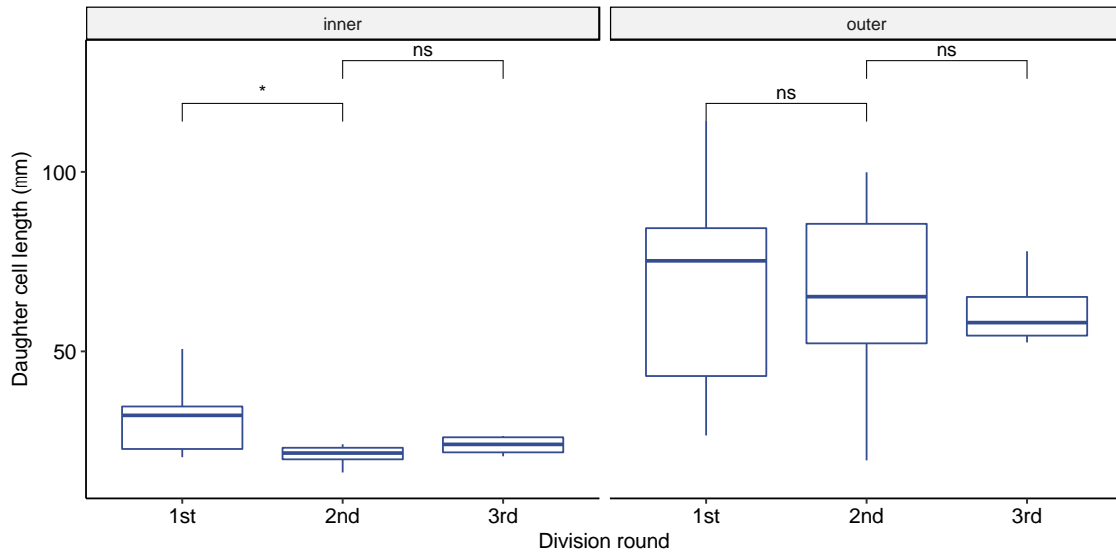
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15 **Figure S2. Side view of the master cell files of the four LRPs at timepoint 0 of each movie.**

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 18 **Figure S3. Volumes in daughter cells of anticlinal periclinal divisions in each LRP.** Distribution of
 19 daughter cells volumes of anticlinal (A), periclinal (B) divisions or their ratios (C) for each LRP analyzed.
 20 Comparison between pairs of samples was performed using the Wilcoxon rank-sum test and the p-value
 21 indicated (ns. not significant).



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24 **Figure S4. Length of inner and outer daughter cells in consecutive rounds of anticlinal divisions.**
 25 Distribution of daughter cells length (along the root / shoot axis) of inner and outer cells. Comparison between
 26 pairs of samples was performed using the Wilcoxon rank-sum test and the p-value indicated (ns. not
 27 significant).

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