

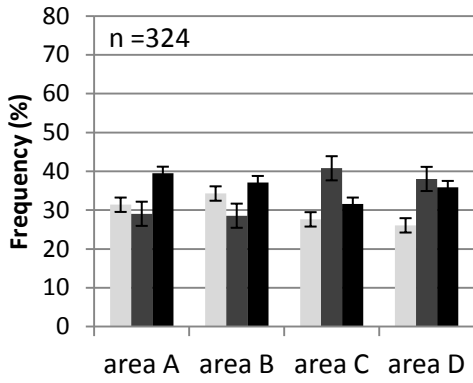
## Plant Cells Use Auxin Efflux to Explore Geometry

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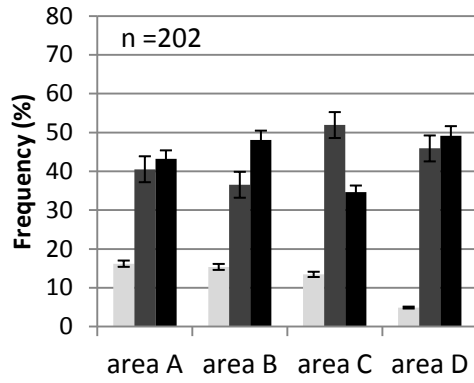
### Supplementary Information

Control experiment for the incidence of longitudinal (grey bars) and transverse (black bars) cells, as well as protoplasts that have not initiated regeneration (*stage 0*, light grey bars) in the different domains (A-D, see **Figure 3**) without auxin treatment. Data represent mean values and standard errors of five independent biological replicas. Brackets represent statistical significance of the indicated differences as tested by a paired, two-sided t-test (\*  $P < 5\%$ , \*\*  $P < 1\%$ ), the brackets labelled by D represent statistical significance for the *difference* between transverse and longitudinal alignment in a given domain.

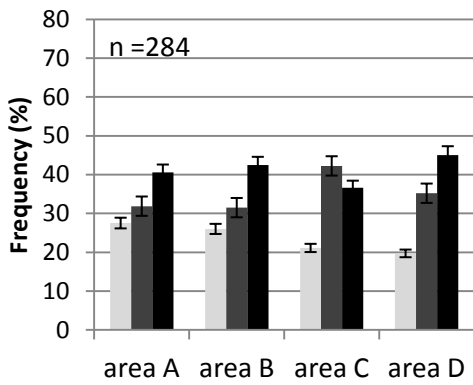
**0d**



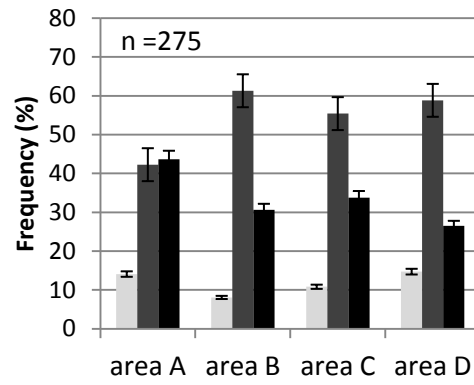
**3d**



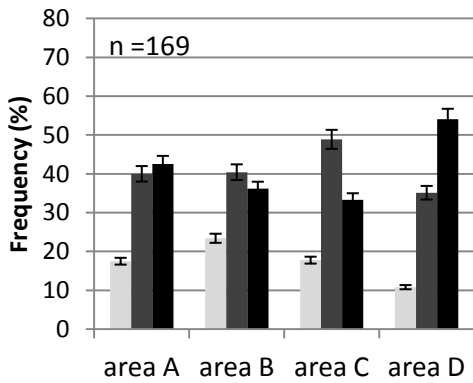
**1d**



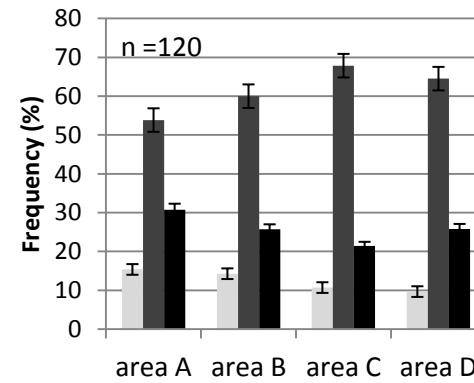
**4d**



**2d**



**7d**



□ stage 0    □ longitudinal    □ transverse