

RALFL34 regulates formative cell divisions in *Arabidopsis* pericycle during lateral root initiation

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SUPPLEMENTARY INFORMATION

Supplemental Figures

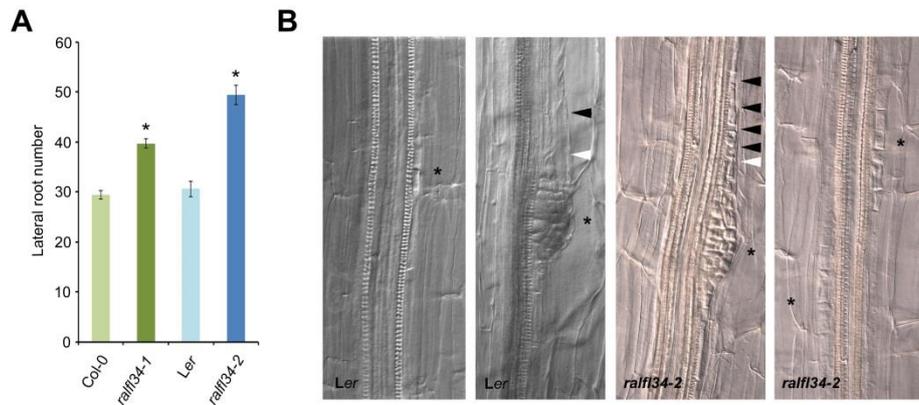


Figure S1. (A) Lateral root number in *ralf134-1* ($n = 69$) and *ralf134-2* ($n = 29$) compared to their respective controls, *Col-0* ($n = 79$) and *Ler* ($n = 20$) depicted as total root number, including all stages. Graph shows average \pm standard error of indicated sample numbers. *, $p < 0.05$ according to Student's t -test compared to control. **(B)** Representative DIC pictures of aberrant lateral root development or positioning in *ralf134-2* compared to control, *Ler*. Asterisk indicates lateral root primordium. Arrowheads flank of lateral root primordium (white) and extra rounds of divisions (black).

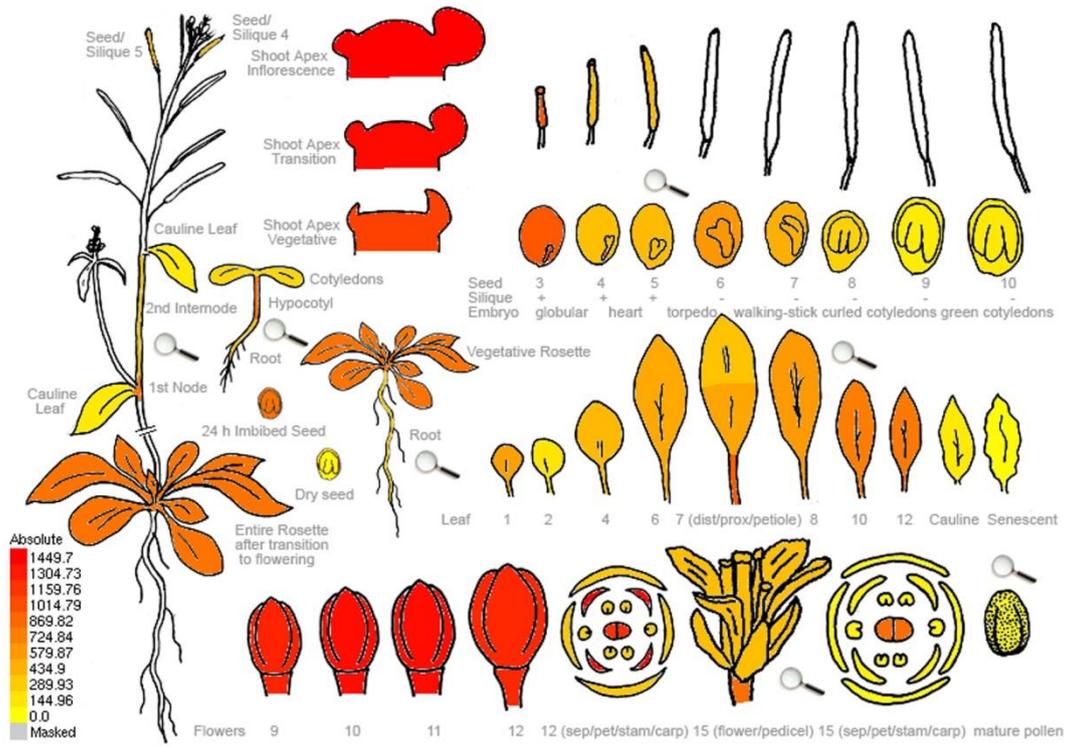


Figure S2. Absolute expression value for *RALFL34* in above ground organs (taken from Arabidopsis eFP Browser).

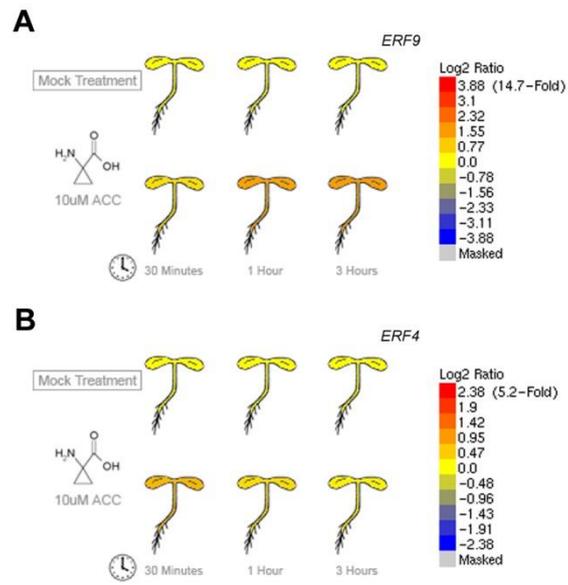


Figure S3. Relative expression values for *ERF4* and *ERF9* upon ACC treatment (taken from Arabidopsis eFP Browser).

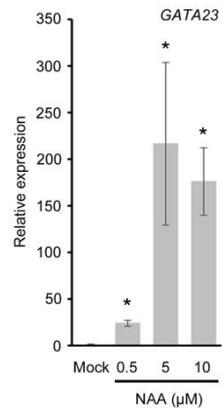


Figure S4. *GATA23* expression upon 6 hours NAA treatment at indicated concentrations. Graph shows average \pm standard error of 3 biological repeats. *, $p < 0.05$ according to Student's *t*-test compared to mock.