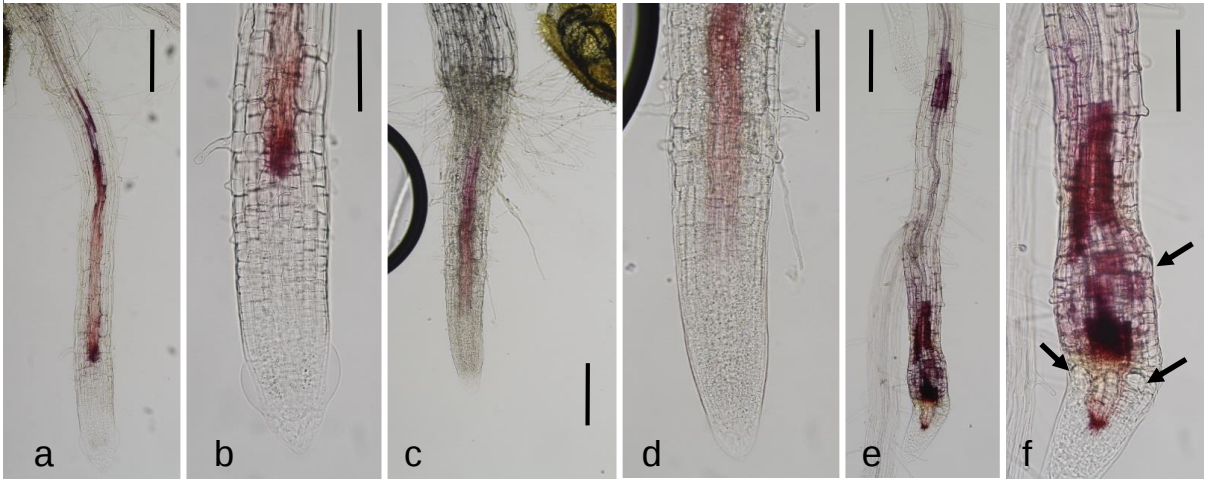




Suppl. Fig. S4 Comparison between mannose and galactose toxicity. *Arabidopsis* roots were stained with phloroglucinol to reveal lignification (pink). **a, b** Root of seedling grown on 0.3 mM mannose for 9 days. **c, d** Root of seedling grown on 1 mM mannose for 9 days. **e, f** Root grown on 1 mM galactose for 8 days. Roots grown on mannose are shorter and straighter than roots grown on galactose. They neither produce enlarged rhizodermal or cortical cells (indicated by arrows in **f**) nor cell wall stubs and lignification is restricted to the central cylinder and the endodermis. Bars 200 μm (**a, c, e**) and 100 μm (**b, d, f**)