

Surveillance of cell wall diffusion barrier integrity modulates water and solute transport in plants.

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#These authors contributed equally to the work.

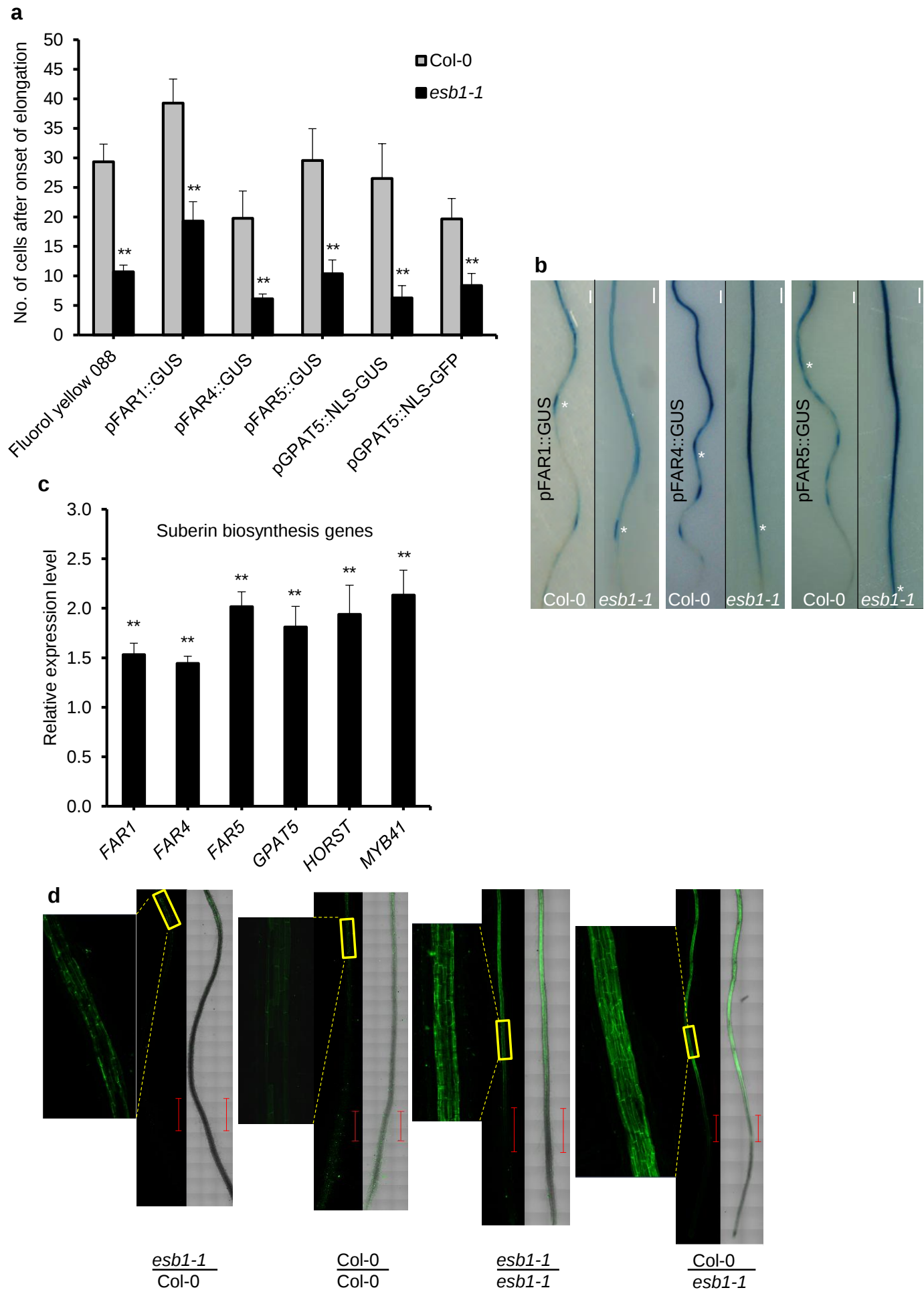
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David E Salt

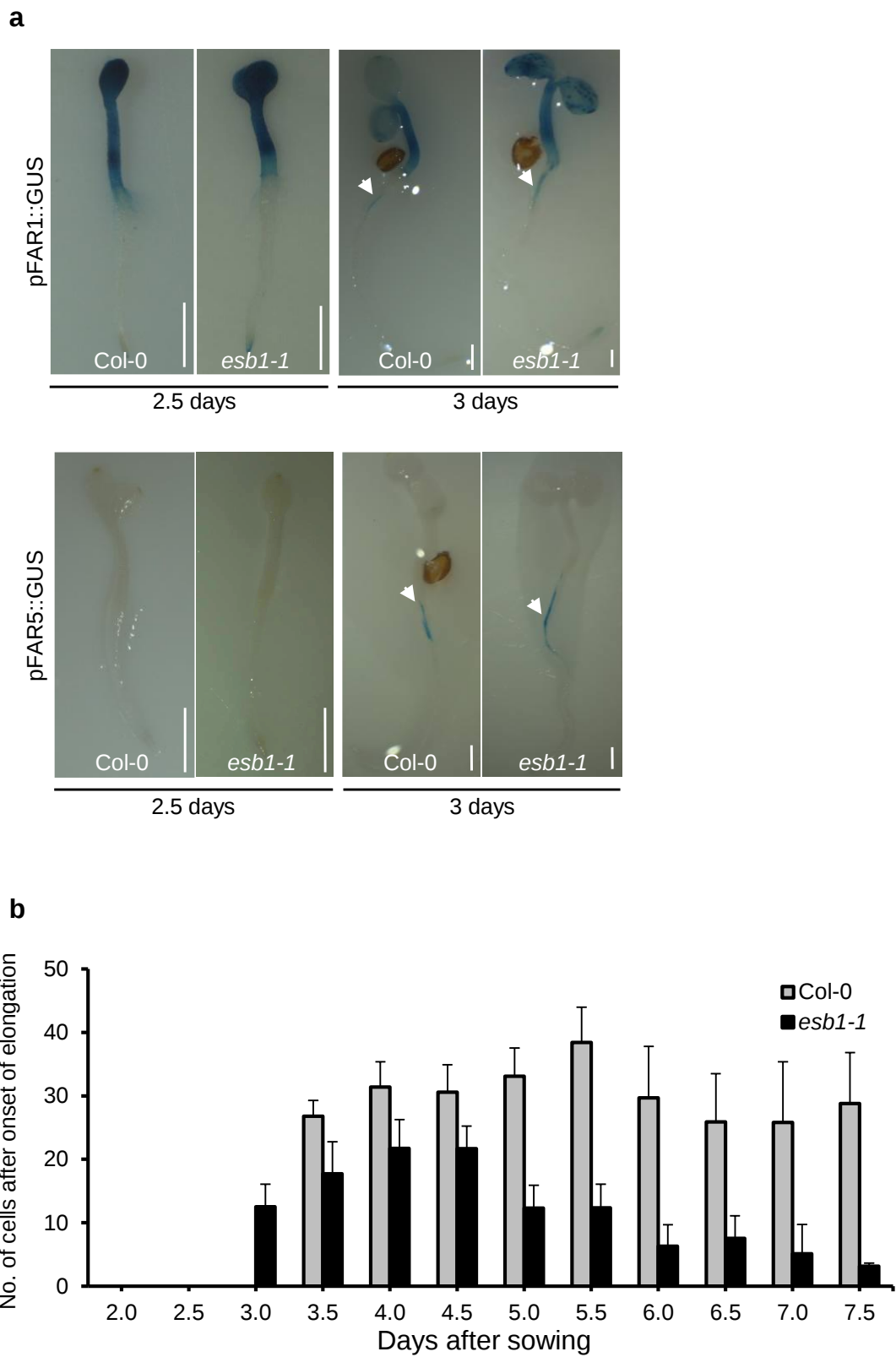
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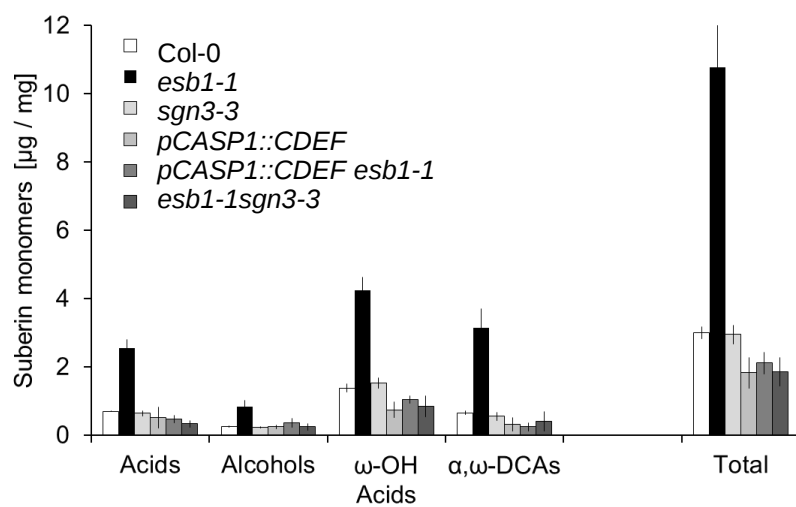
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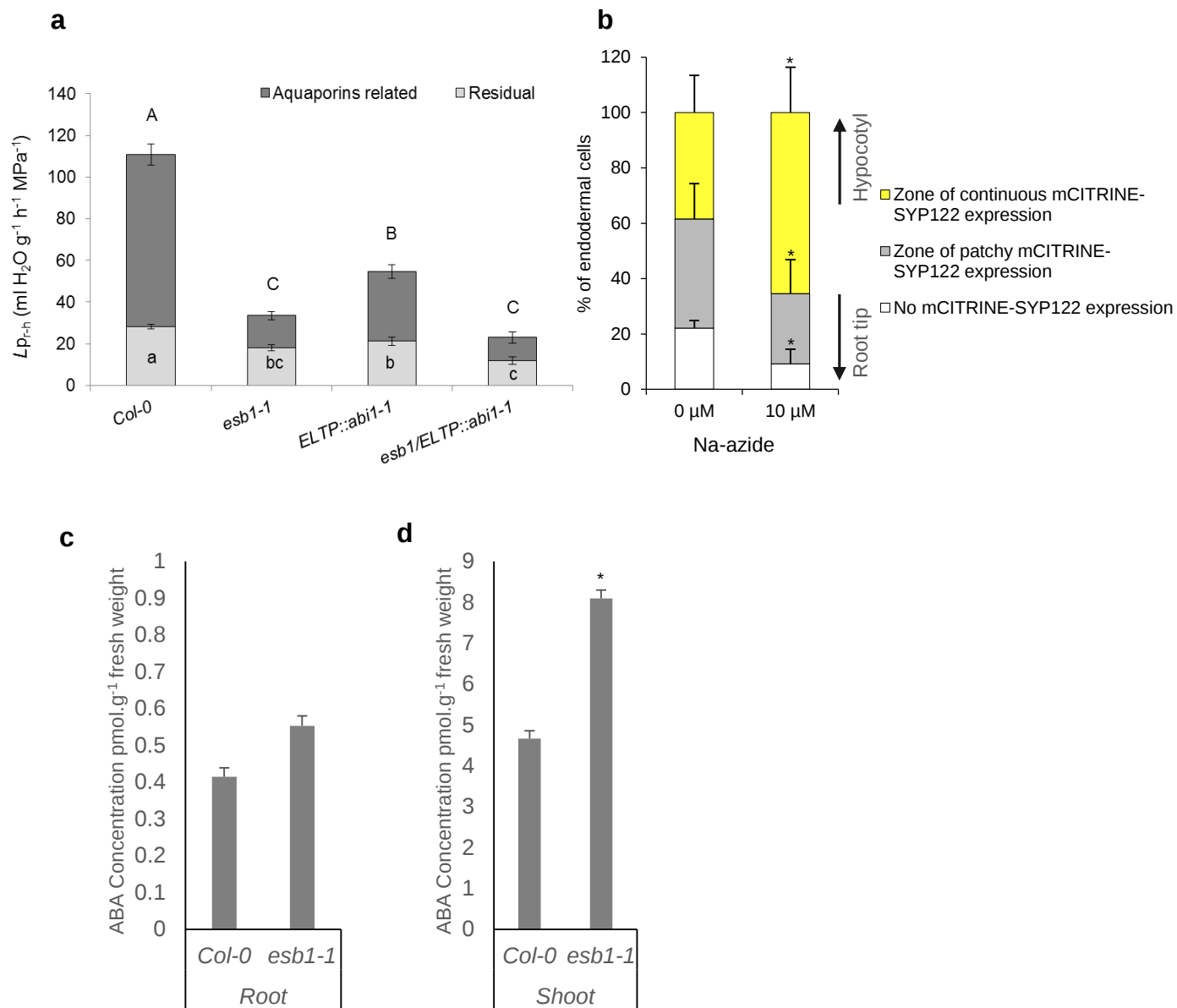
Supplemental Figure 1. **Enhanced endodermal suberin in *esb1-1* is driven by loss-of-function of *ESB1* in roots.**



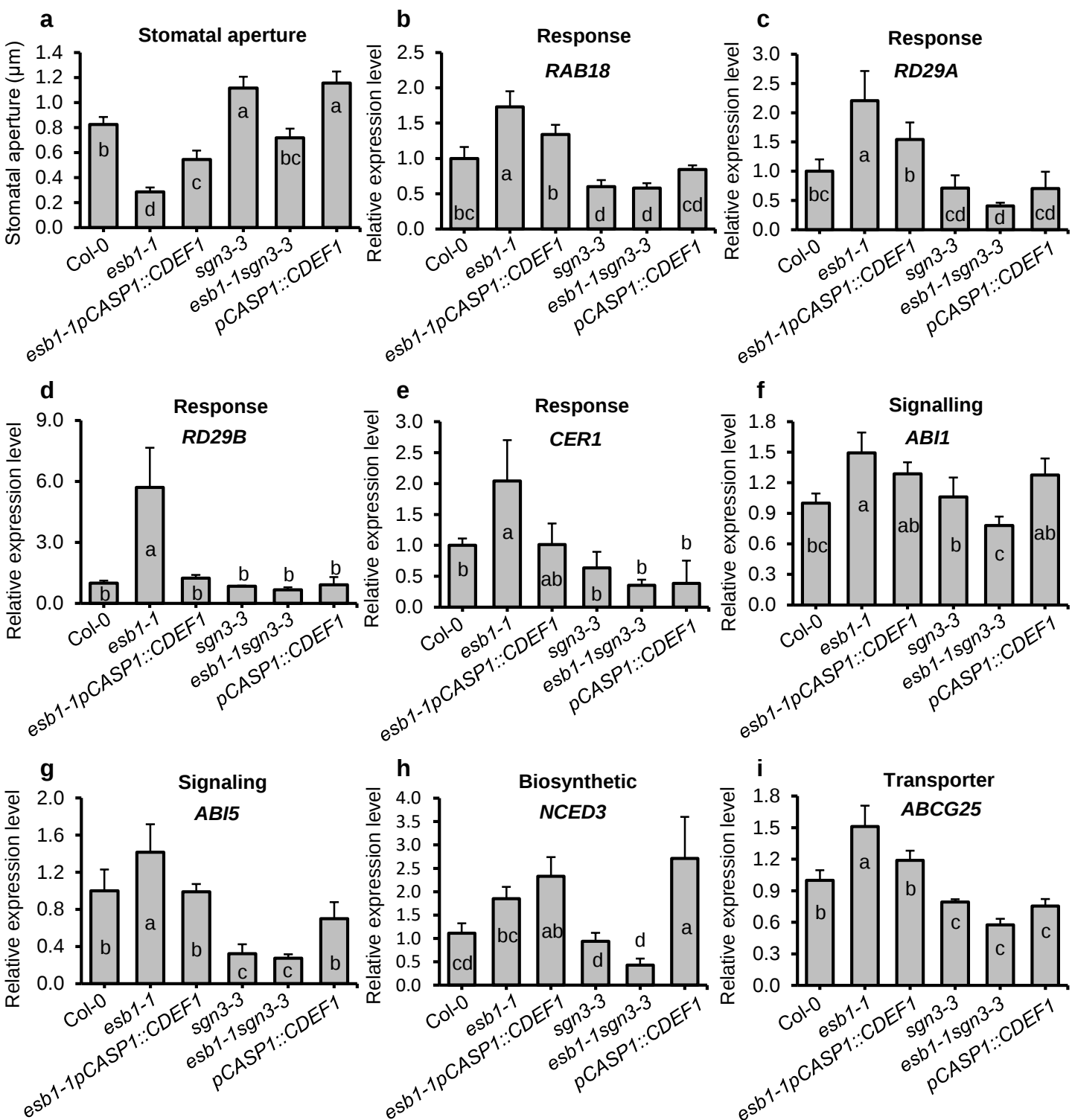
Supplemental Figure 2. **Casparian strip defects in *esb1-1* precede enhanced endodermal suberin deposition.**



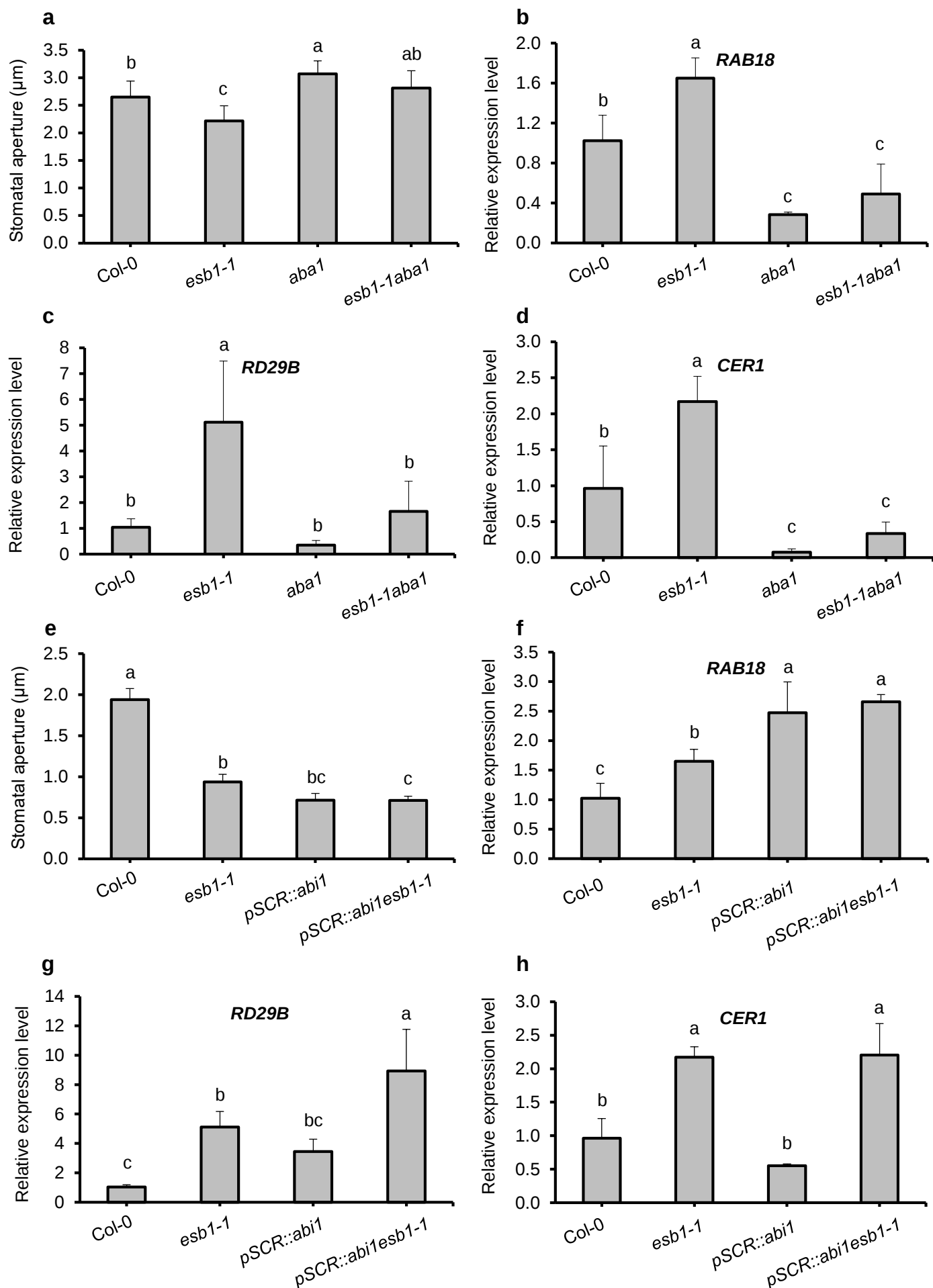
Supplemental Figure 3. **Endodermal suberin content.**



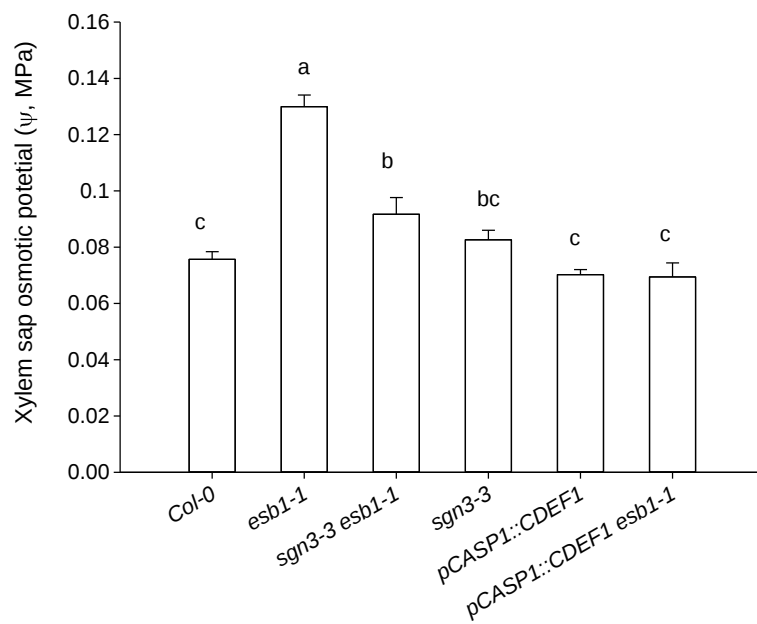
Supplemental Figure 4. **Activation of ABA signalling at the endodermis is not involved in the enhanced deposition of suberin or the inactivation of aquaporin-mediated hydraulic conductivity.**



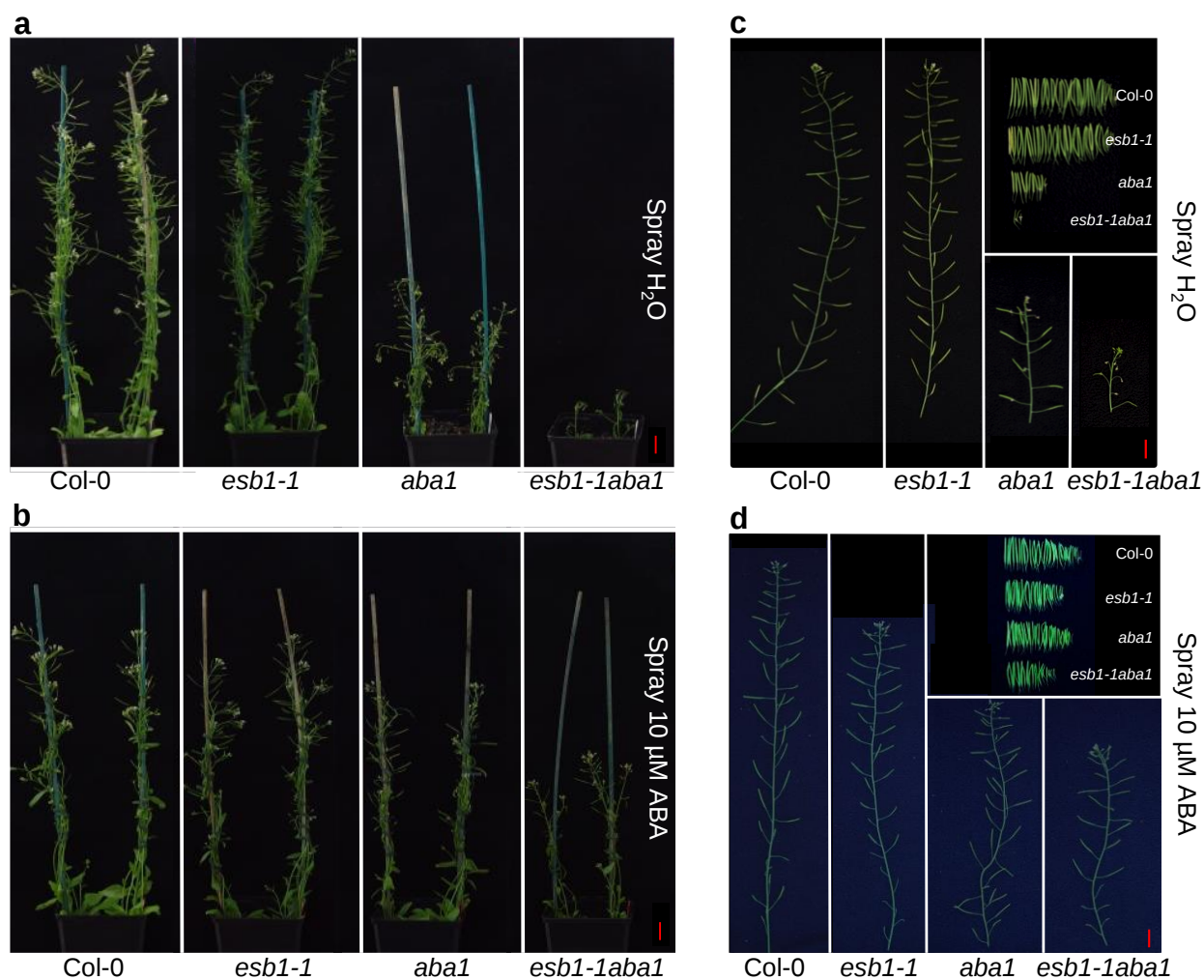
Supplemental Figure 5. Casparian strip defects in *esb1-1* is associated with a SGN3-dependent reduction of the stomatal aperture and an increased expression of ABA-related genes in leaves.



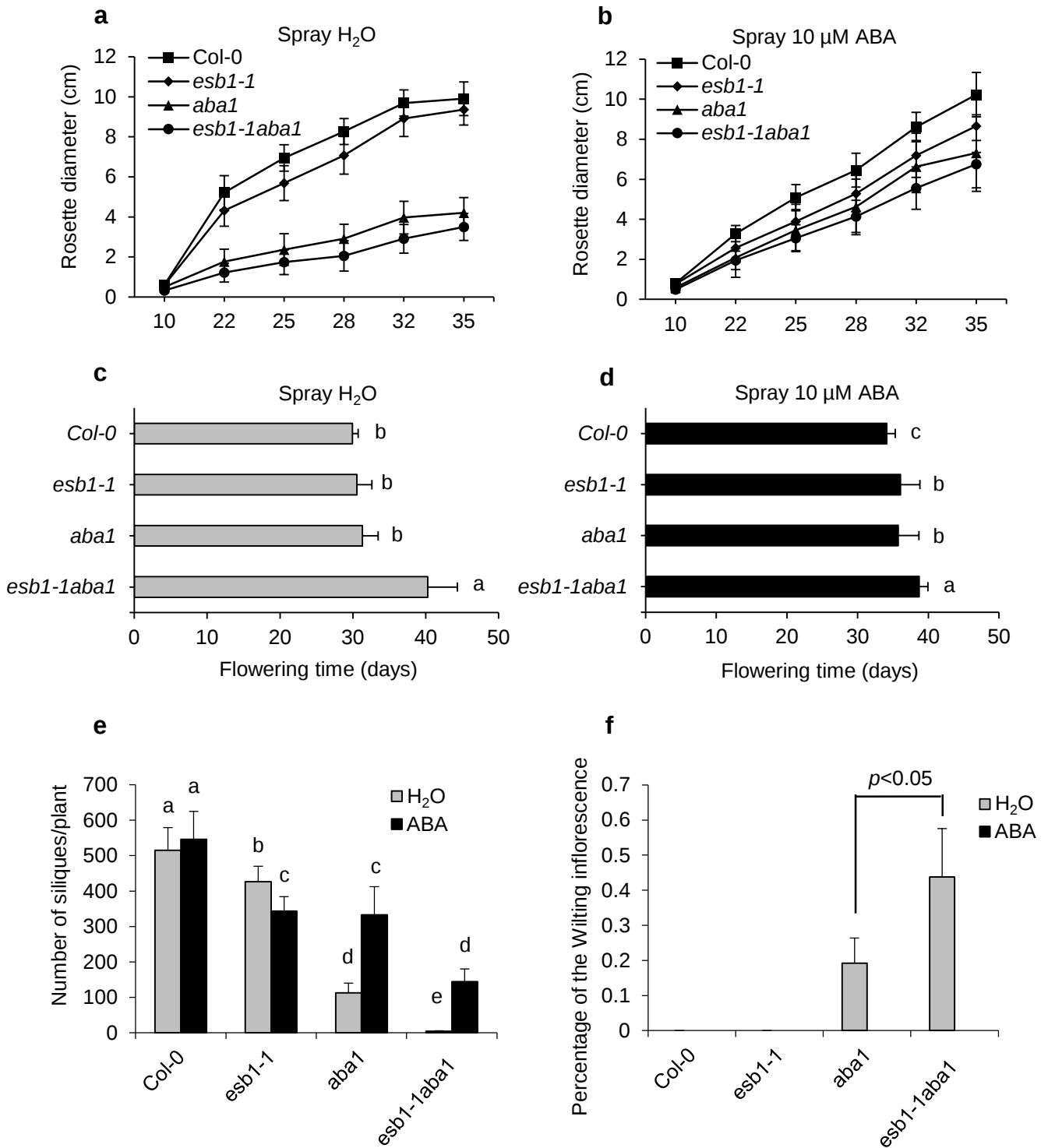
Supplemental Figure 6. ABA signalling is necessary for the stomatal closure in leave.



Supplemental Figure 7. **Impact of apoplastic barriers on xylem solute concentration.**



Supplemental Figure 8. ABA biosynthesis is essential for physiological compensation of the *esb1-1* defect



Supplemental Figure 9. ABA biosynthesis is essential for physiological compensation of the *esb1-1* defect.