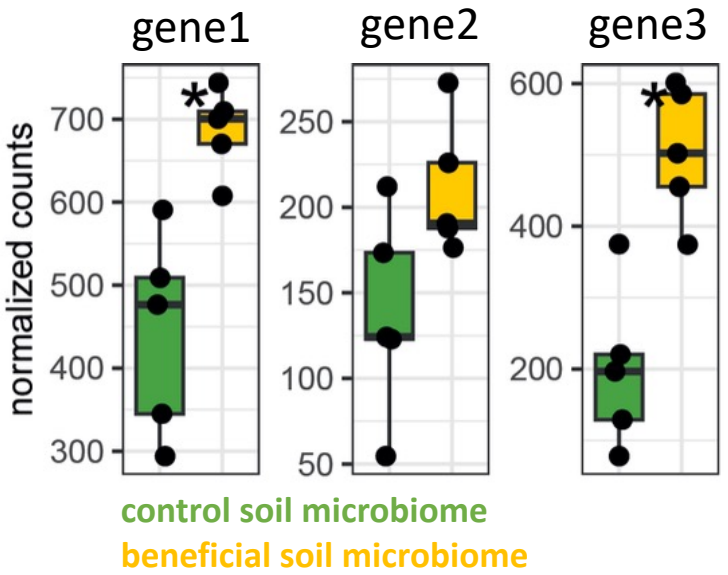
Enhancing responsiveness to soil microbiome feedbacks

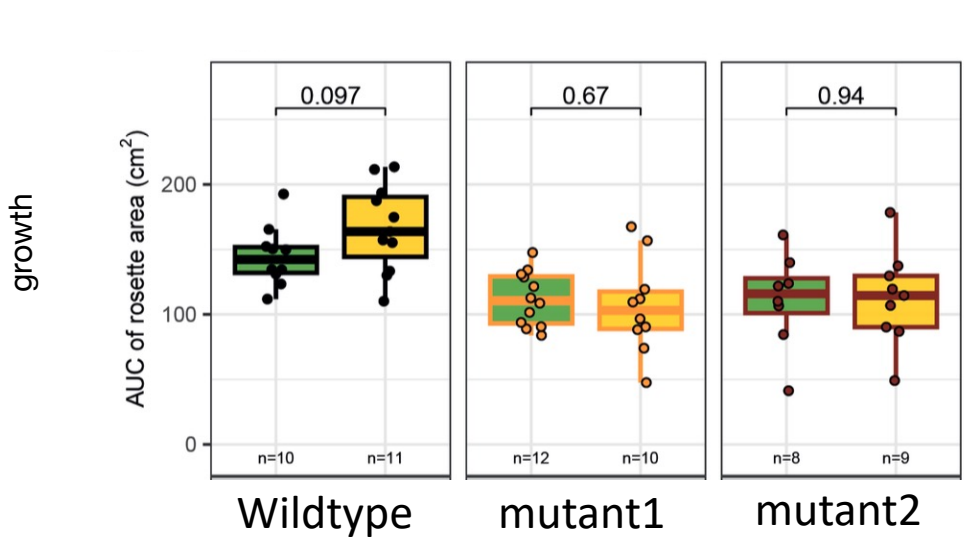
Observations: I) we found that a beneficial soil microbiome induces several specific genes in plant roots. (see: Janse van Rensburg et al., *Nat Gen*; Stengele et al., New Phyt; 2026)
II) plant mutants (defective in these genes) lose the positive growth feedback in response to the beneficial soil microbiome.

Question: Enhanced expression of these genes -> more growth feedback?

I)

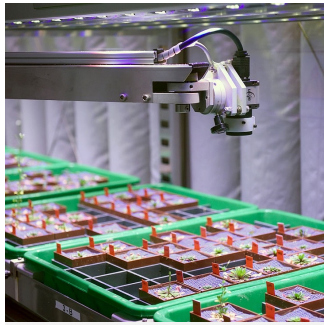


II)



You study plant genes that could enhance microbiome feedbacks

You learn/work with:



Growth chambers



A. thaliana



Genetics