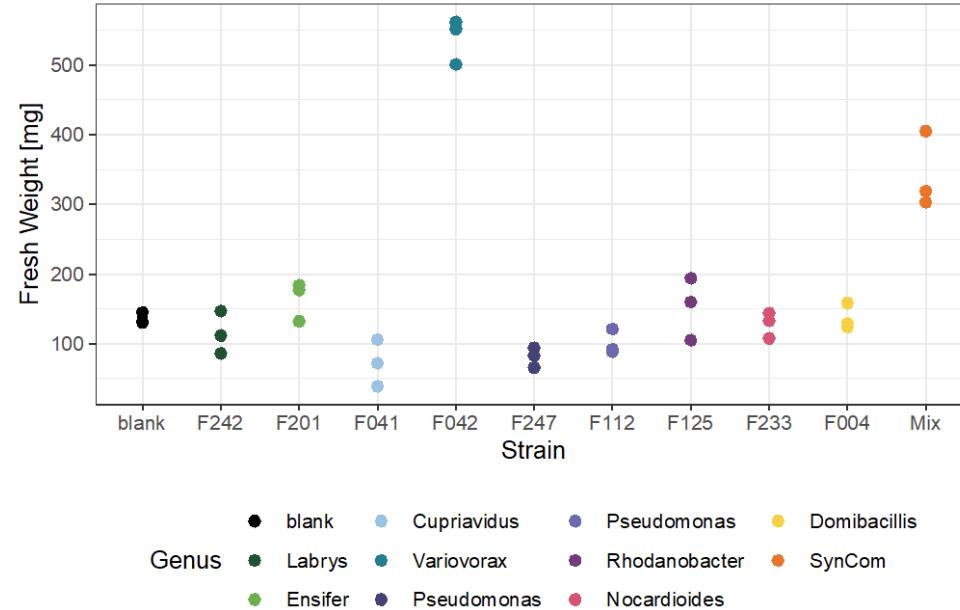


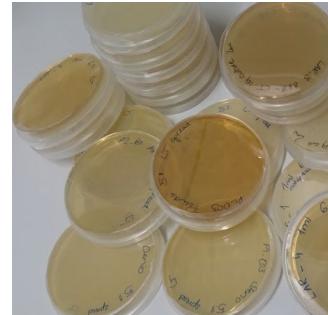
Manipulation of host immunity by root-associated *Variovorax* strains

You learn/work with:

Observation: Pattern triggered immunity induced by microbe-associated molecular patterns (f.e.g. flagellin) leads to a reduction of plant growth due to the allocation of resources to defense. A single strain of a 9-member synthetic community (SynCom) is able to alleviate pattern-triggered immunity fitness costs.



Microcosms



Microbiology



A. thaliana

You investigate the plant growth response to immune triggers in the presence of different root associated bacteria and the cause for the suppression of plant immune responses by *Variovorax* strains.