



Beneficial Microbes to Optimize pest control in Sustainable Tomato production

BeMOST
HFRI-FM17-50

D3.4 Performance of herbivores on different defense-deficient tomato genotypes (CO)

Summary

D3.4 is a deliverable of WP3 which investigates the molecular mechanisms and regulatory pathways underlying microbe-induced plant resistance against arthropod pests in tomato. The objectives to achieve this are:

- 3.1. To study gene expression triggered by beneficial microbes against pests as a component of direct induced resistance;
- 3.2. To assess alterations in phytohormonal accumulation triggered by beneficial microbes against arthropod pests;
- 3.3. To verify microbe-induced resistance phenotypes as expressed in herbivore performance on different tomato genotypes.

In the context of the WP3 objectives, D3.4 reports on herbivore performance on different defense-deficient tomato genotypes in response to microbe inoculation.

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