

Supplementary Material

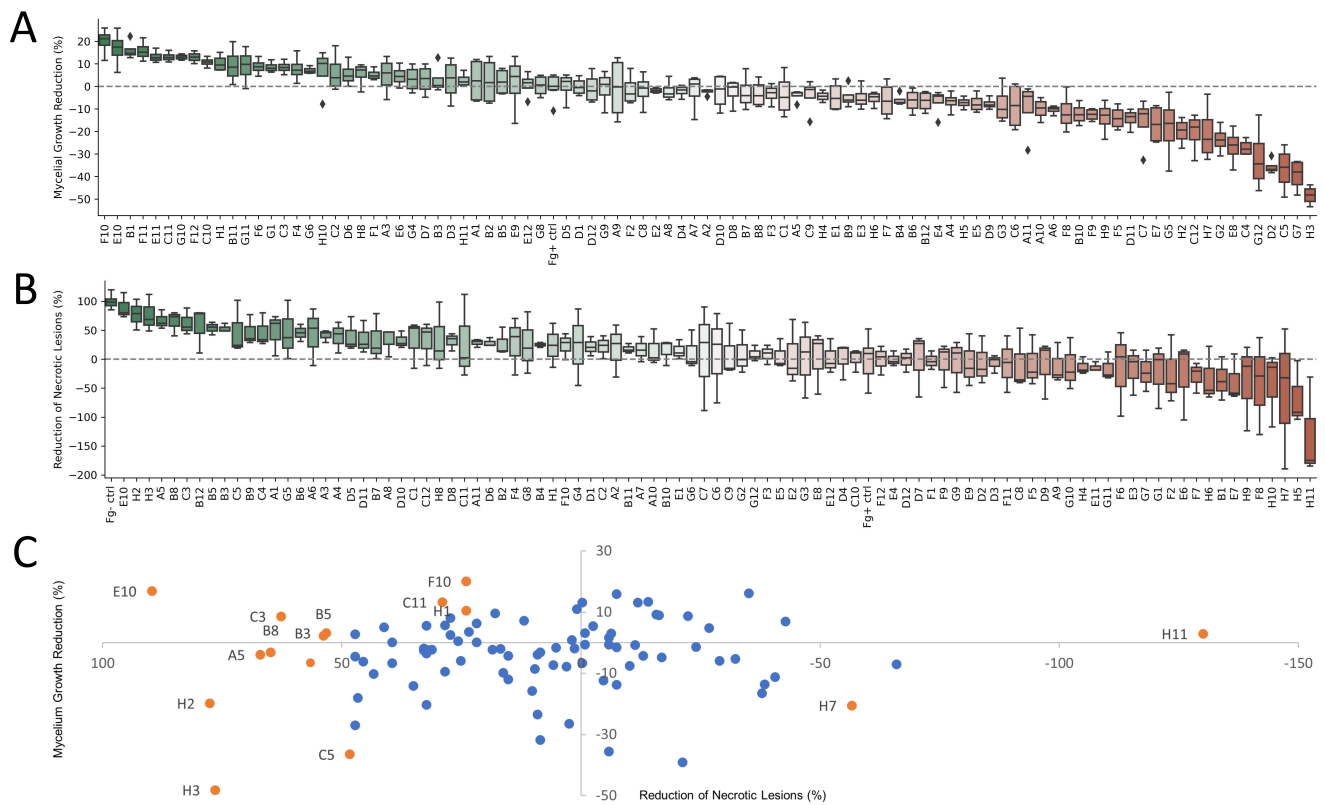


Figure S1. Assessment of the biocontrol potential of all 94 bacterial isolates. A: Reduction in mycelium growth in an in vitro dual culture assay. B: Reduction in Necrotic lesions in a detached leaf assay. C: Scatter visualising the comparison between the dual culture and the detached leaf assays

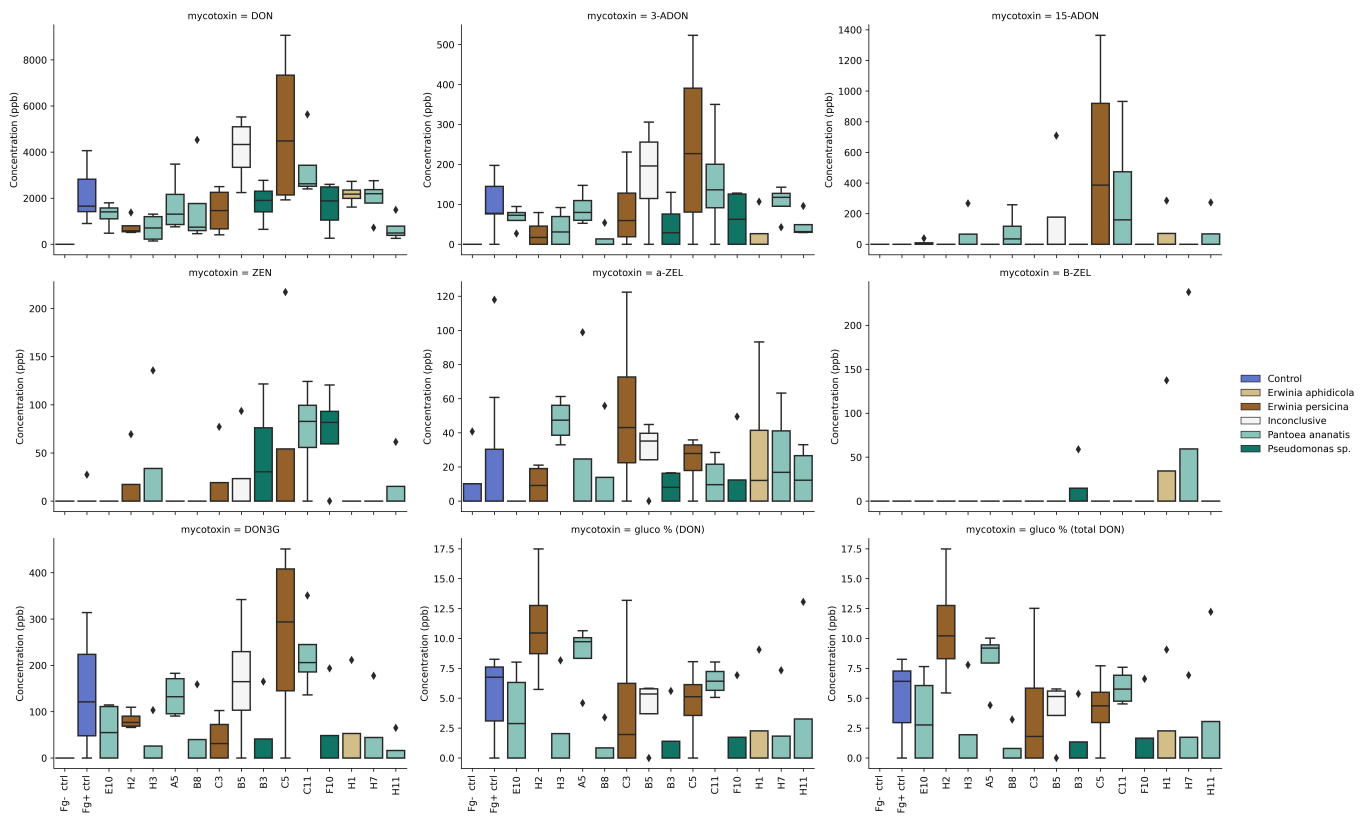


Figure S2. Assessment of bacterial isolates to reduce mycotoxin production in a detached spike assay, full overview of mycotoxins. DON: deoxynivalenol, 3-ADON: 3-acetyl deoxynivalenol, 15-ADON: 15-acetyl deoxynivalenol, ZEN: zearalenone, a-ZEL: Alpha-zearalenol, B-ZEL: Beta-zearalenol, DON3G: glucosylated DON, gluco % (DON): DON3G/ (DON + DON3G), gluco % (total DON): DON3G/ (DON + DON3G + 3-ADON + 15-ADON). All mycotoxin concentrations were measured via LC-MC/MS and concentrations are shown in $\mu\text{g/kg}$ (ppb).

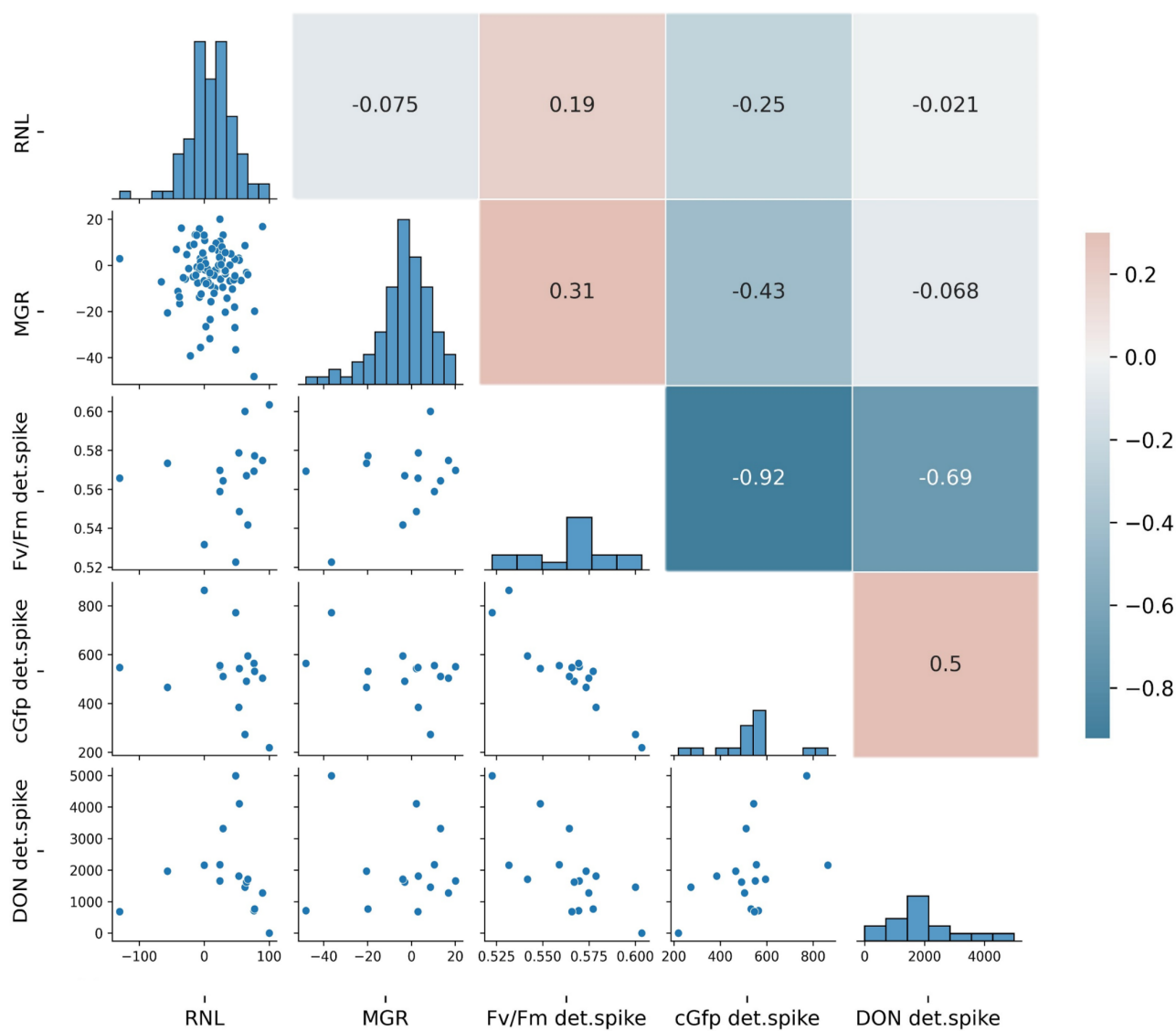


Figure S3. Correlation analysis comparing the different parameters, measured in the dual-culture, detached leaf and detached spike assays.

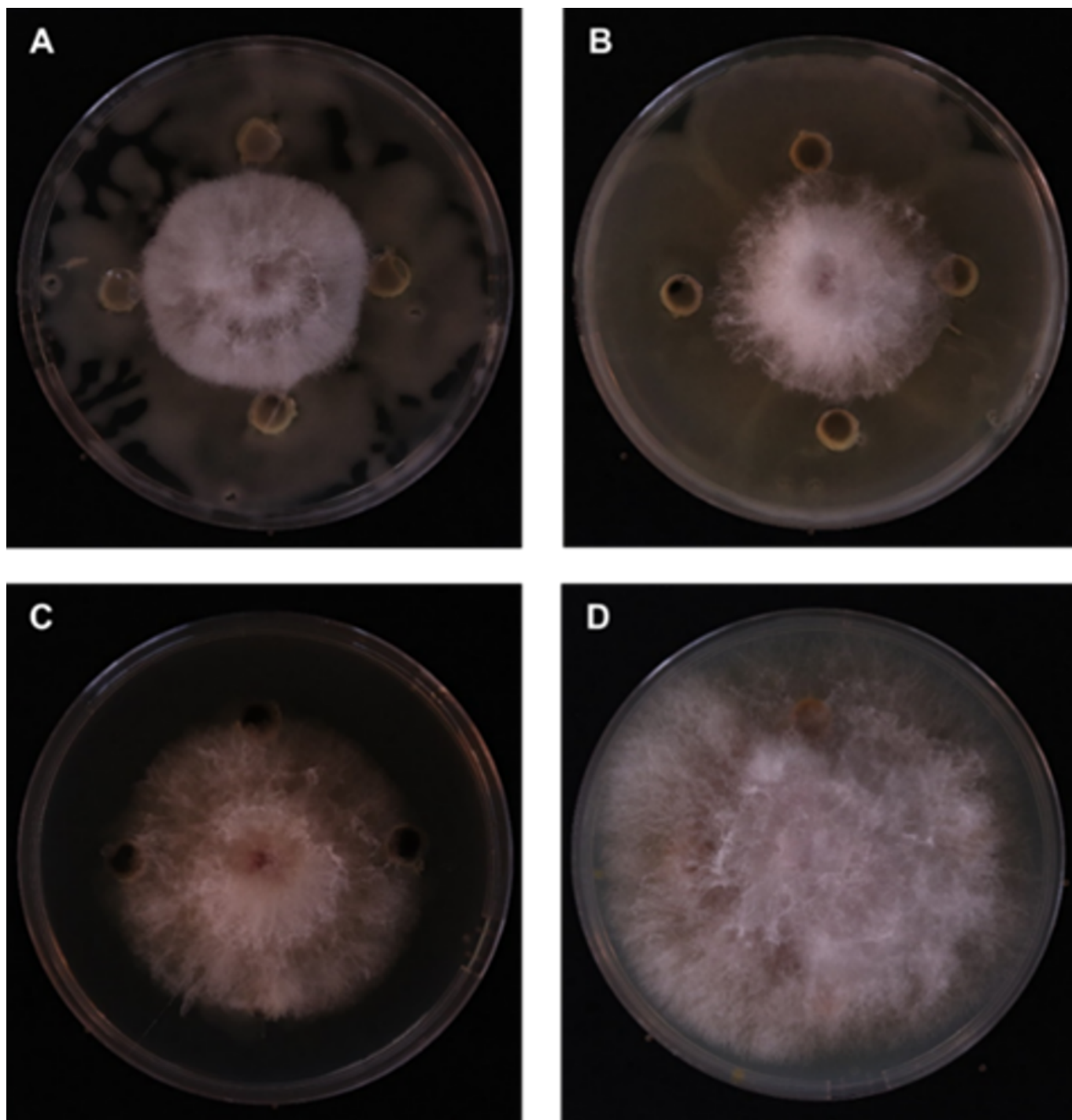


Figure S4. Illustrative photographic documentation of the Dual Culture Assay. A: *Pantoea ananatis* (E10), B: *Pseudomonas sp.* (F10), C: Fg+ ctrl, D: *Pantoea ananatis* (H3)

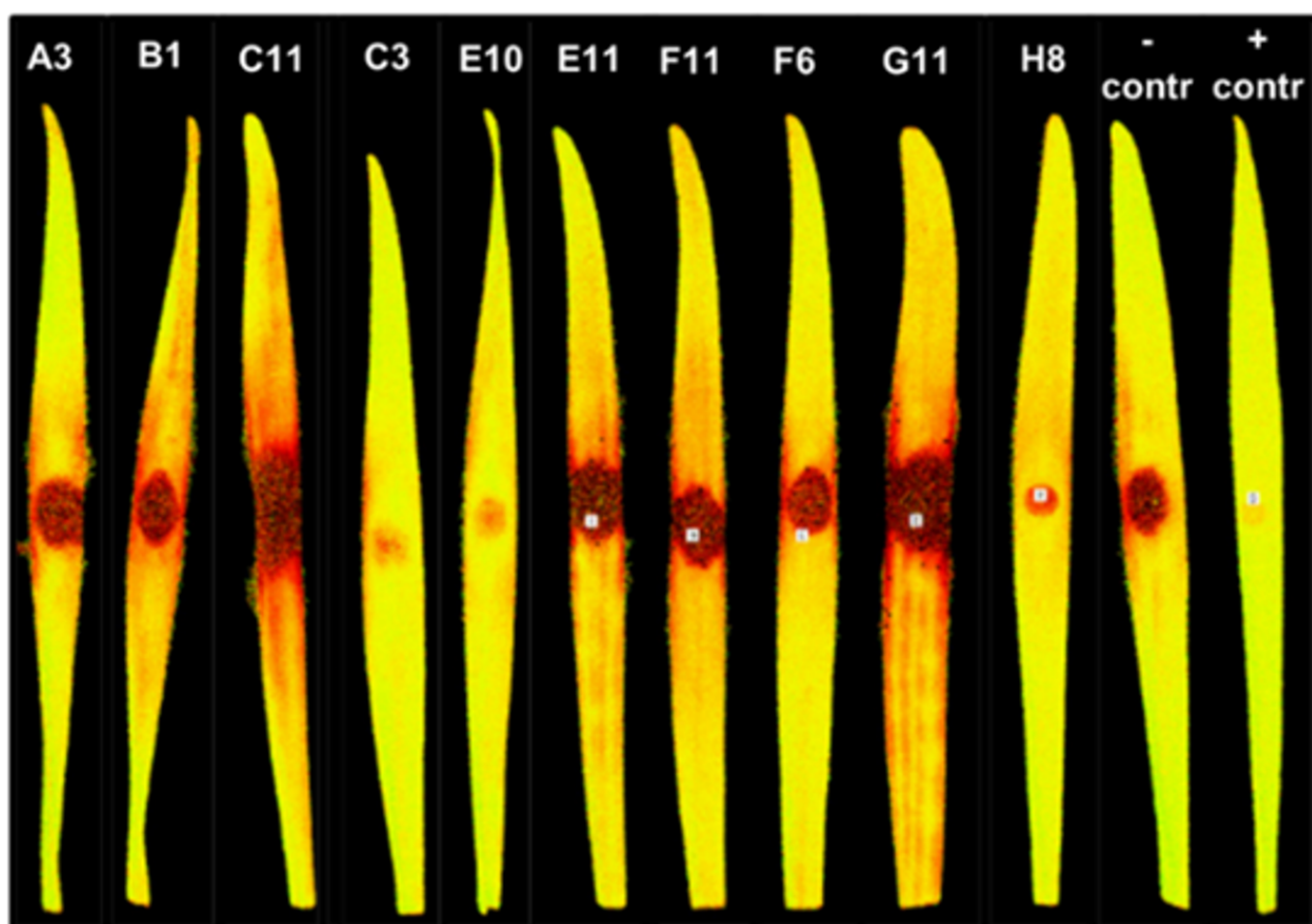


Figure S5. Illustrative photographic documentation of the Detached Leaf Assay



Figure S6. Illustrative photographic documentation of bacterial isolation via limiting dilution