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Article

Biocontrol of Biofilm Formation: Jamming Sessile-Associated Rhizobial Communication by Rhodococcal Quorum-Quenching

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Supplementary Material

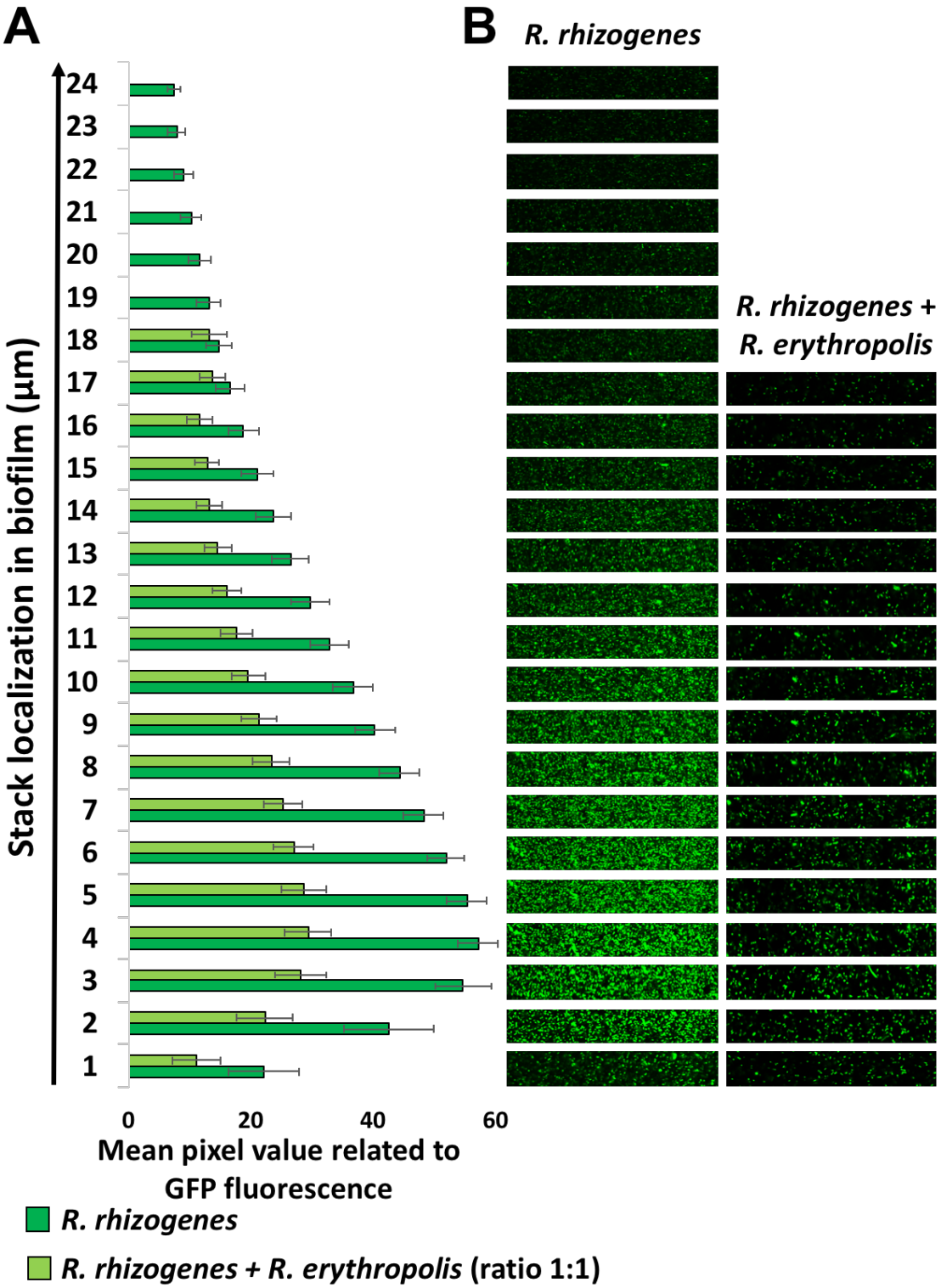

Figure S4. Impact of the biocontrol agent *R. erythropolis* R138 on the heterogeneity of rhizobial cell distribution within the biofilm. Confocal laser scanning microscopy (CLSM) analysis of the *R. rhizogenes* 5520^{T} biofilm or dual species biofilm formed by *R. rhizogenes* 5520^{T} and *R. erythropolis* R138 was achieved at an inoculation ratio of 1:1. *R. rhizogenes* and *R. erythropolis* bacteria were tagged with GFP and mCherry *via* the pHC60-*gfp* and pEPR1-*mCherry* vectors, respectively. (**A**) Pixel quantification of each of the twenty four (single species biofilm) and nineteen (dual specie biofilm) stacks representing the entire biofilm structure of the two tested conditions (1 µm stack). Each bar represents the pixel quantification value related to the GFP signal detected on the 2D CLSM images of the *R. rhizogenes* strain in both condition. (**B**) Related 2D CLSM images of each pixel quantification value for both condition. The data shown are the means of at least three measurements from three independent experiments.