

The union is strength: the synergic action of long fatty acids and a bacteriophage against *Xanthomonas campestris* biofilm

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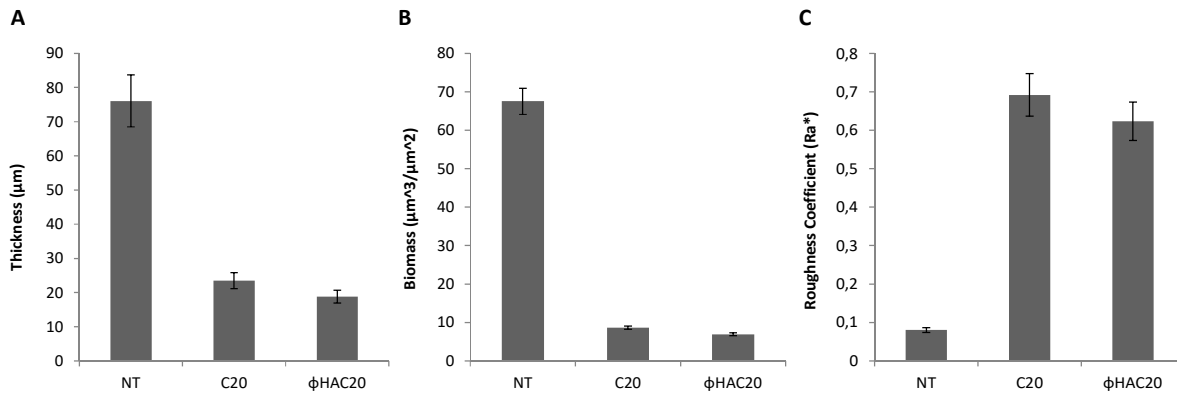


Figure S1 COMSTAT quantitative analysis of average thickness (A), biomass (B) and roughness coefficient (C) of *Xanthomonas campestris* pv. *campestris* biofilms formed in dynamic conditions in absence and in presence of the C20:0 and the complex φHA+C20.

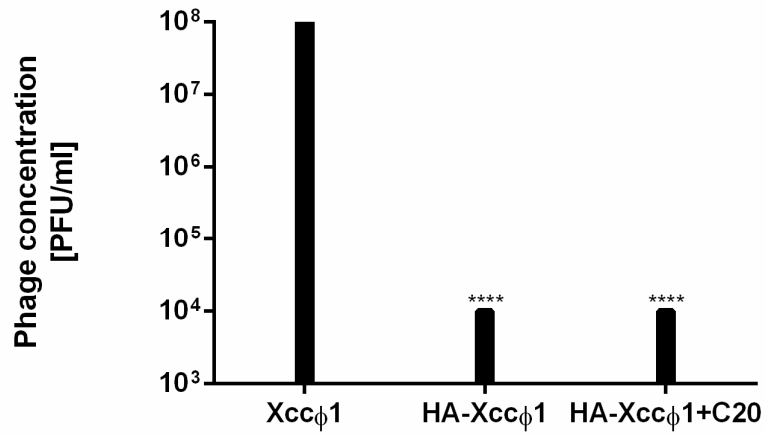


Figure S2 Analysis of the capacity of the HA to binding Xcc ϕ 1 with or without C20:0. Each value is the mean \pm DS of 3 independent experiments. Statistical analysis was performed with the absorbance compared to the untreated control and considered statistically significant when $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$) according to Two Way Anova Multiple comparisons.

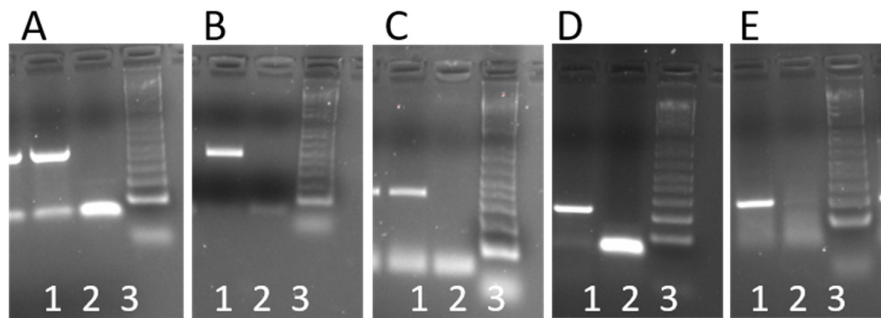


Figure S3 PCR controls. 1) amplification on DNA to assess the primers functionality; 2) amplification using extracted mRNA as template to verify the absence of genomic DNA in the mRNA preparation; 3) Marker (A) *clp*; (B) *manA*; (C) *rpfF*; (D); *rpoD*.

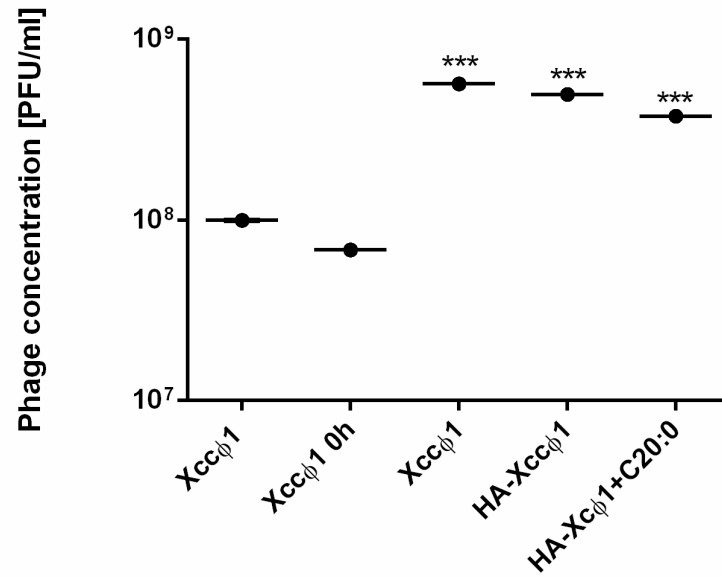


Figure S4 Analysis of phage concentration on the Xcc biofilm before (0h) and after 6h of treatment with: phage alone (108 PFU/mL), the phage with the HA (108 PFU/mL, and 100 mg/mL, respectively) and the complex HA-Xcc ϕ 1 and C20:0. Each value is the mean \pm DS of 3 independent experiments. Statistical analysis was performed with the phage concentration after the treatment compared to the phage concentration and considered statistically significant when $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$) according to Two Way Anova Multiple comparisons.