

Supplementary Material

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The streptococcal collagen-like protein-1 (ScI1) is a significant determinant for biofilm formation by group A *Streptococcus*

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Figure S1

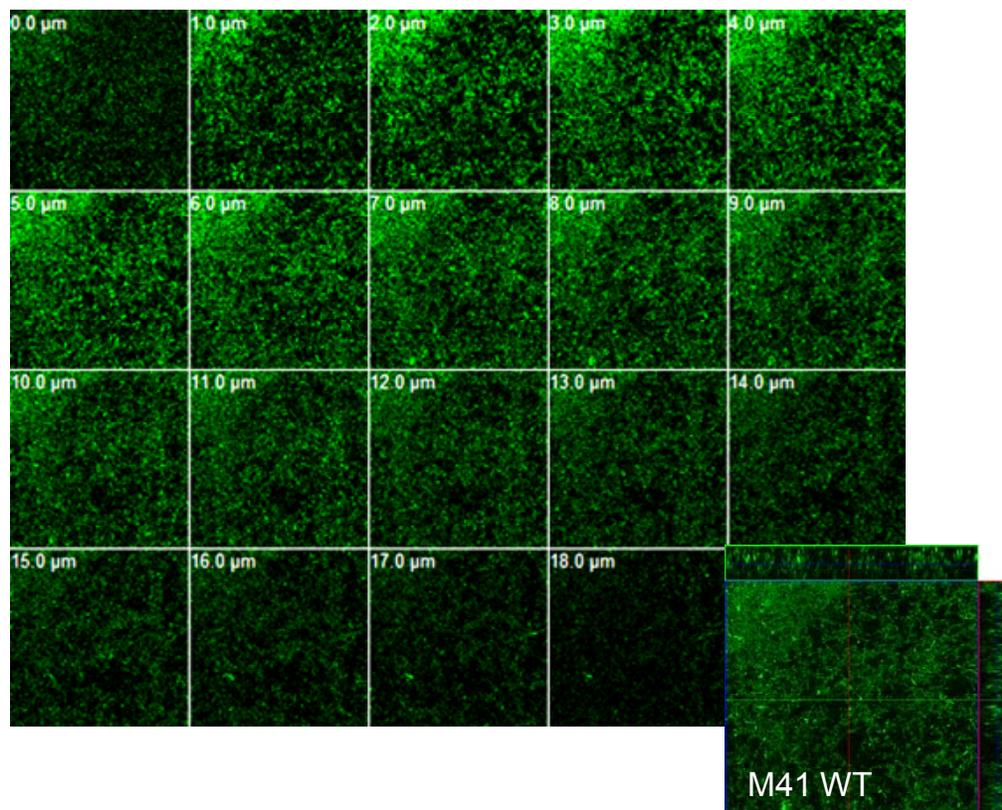


Fig. S1 (a). Confocal laser scanning microscopy (CLSM) of GFP-expressing M41 WT GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 1 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4d). Thickness is indicated in micrometers.

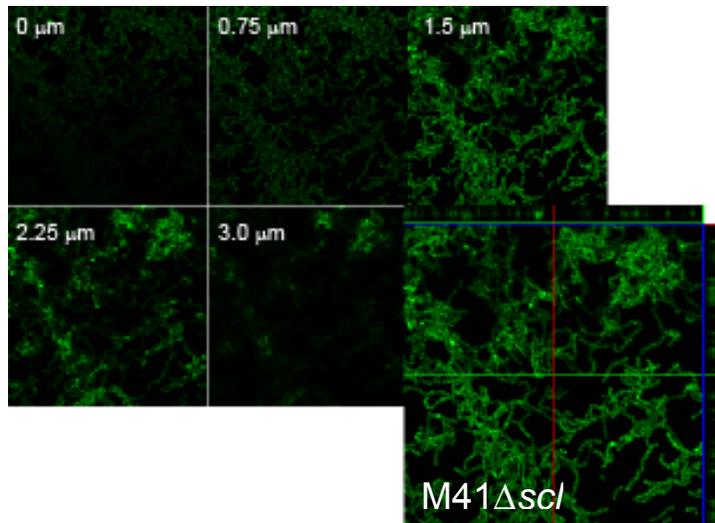


Fig. S1 (b). Confocal laser scanning microscopy (CLSM) of GFP-expressing *M41Δsc1* GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 0.75 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4d). Thickness is indicated in micrometers.

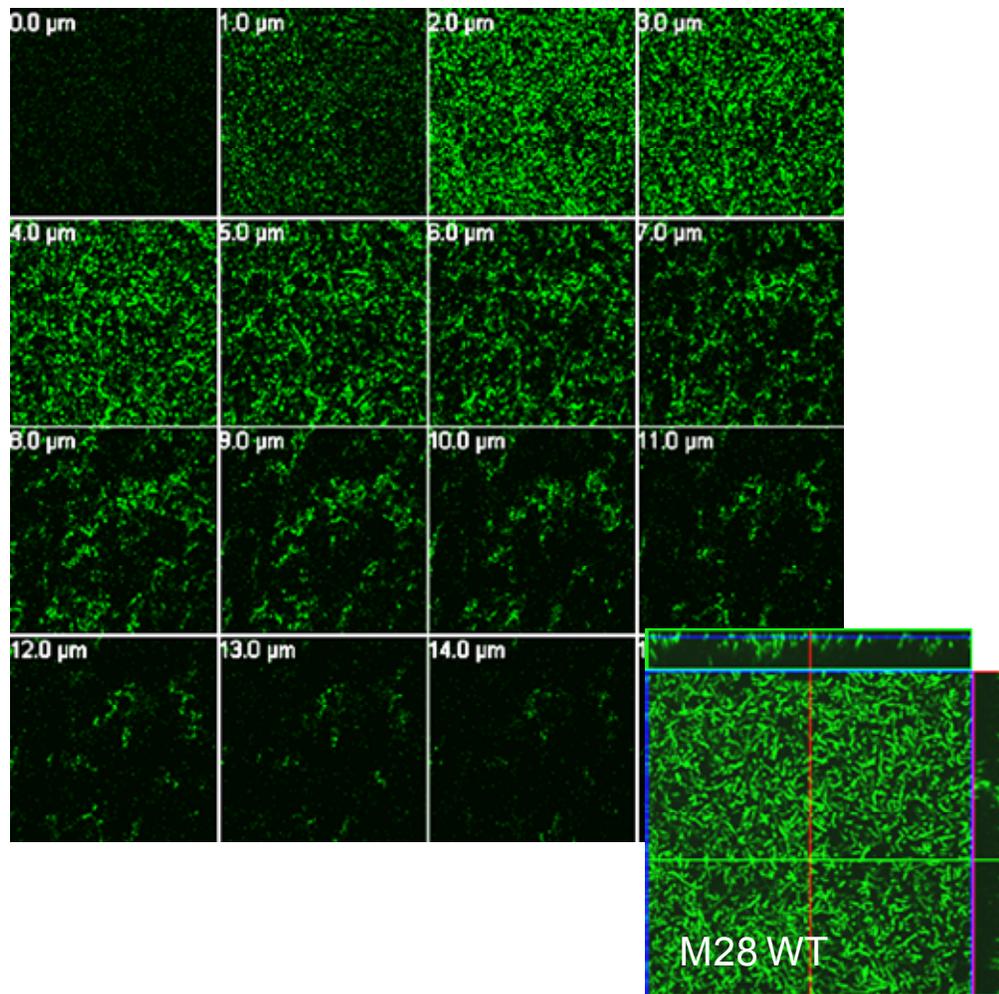


Fig. S1 (c). Confocal laser scanning microscopy (CLSM) of GFP-expressing M28 WT GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 1 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4e). Thickness is indicated in micrometers.

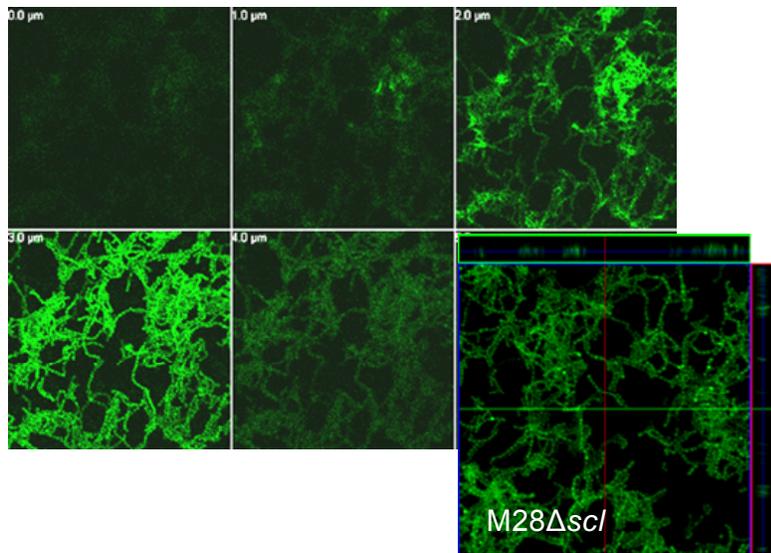


Fig. S1 (d). Confocal laser scanning microscopy (CLSM) of GFP-expressing *M28Δsc1* GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 1 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4e). Thickness is indicated in micrometers.

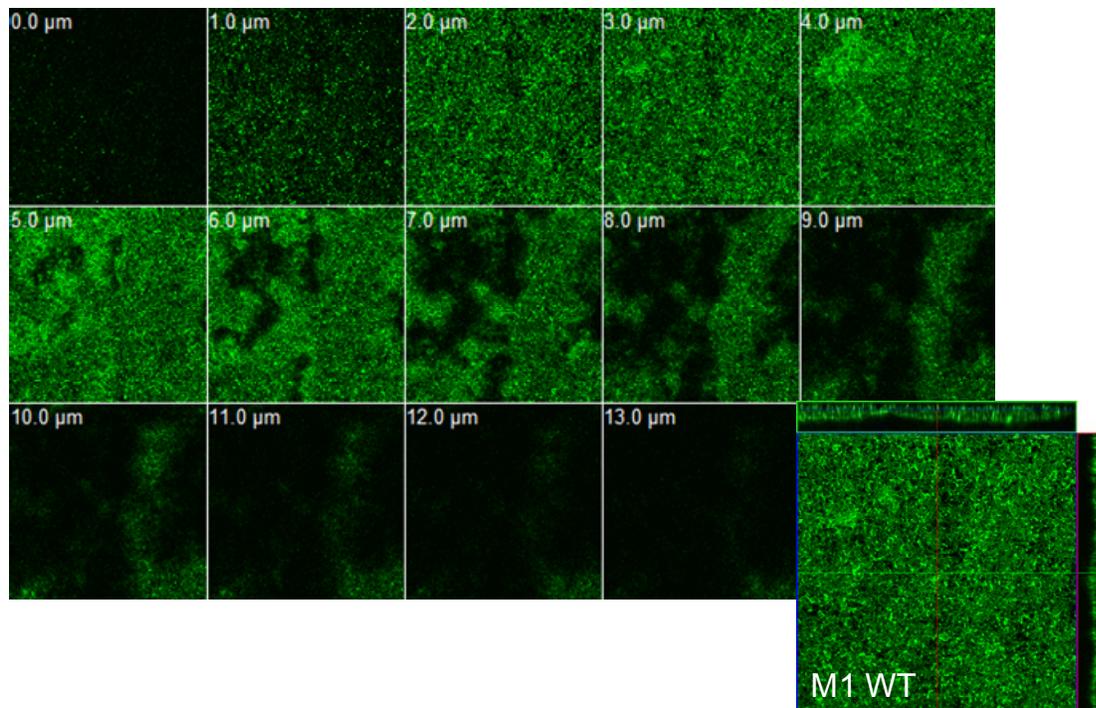


Fig. S1 (e). Confocal laser scanning microscopy (CLSM) of GFP-expressing M1 WT GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 1 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4f). Thickness is indicated in micrometers.

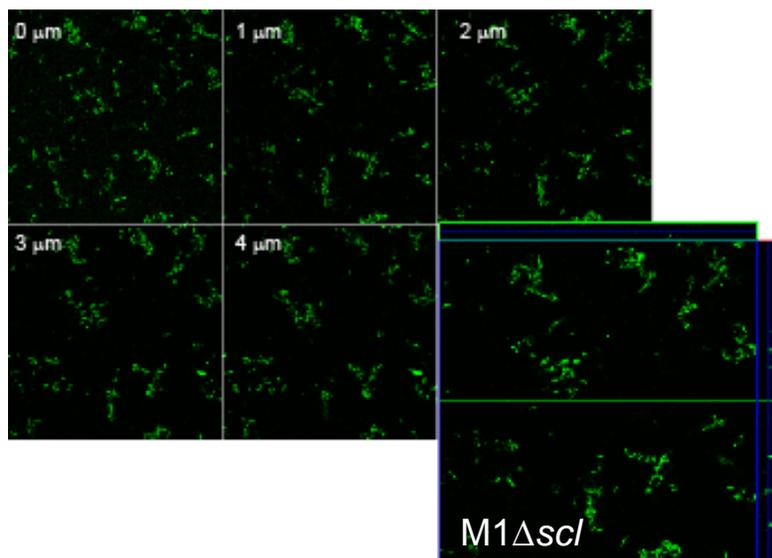


Fig. S1 (d). Confocal laser scanning microscopy (CLSM) of GFP-expressing *M1Δscf1* GAS biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 1 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 4f). Thickness is indicated in micrometers.

Figure S2

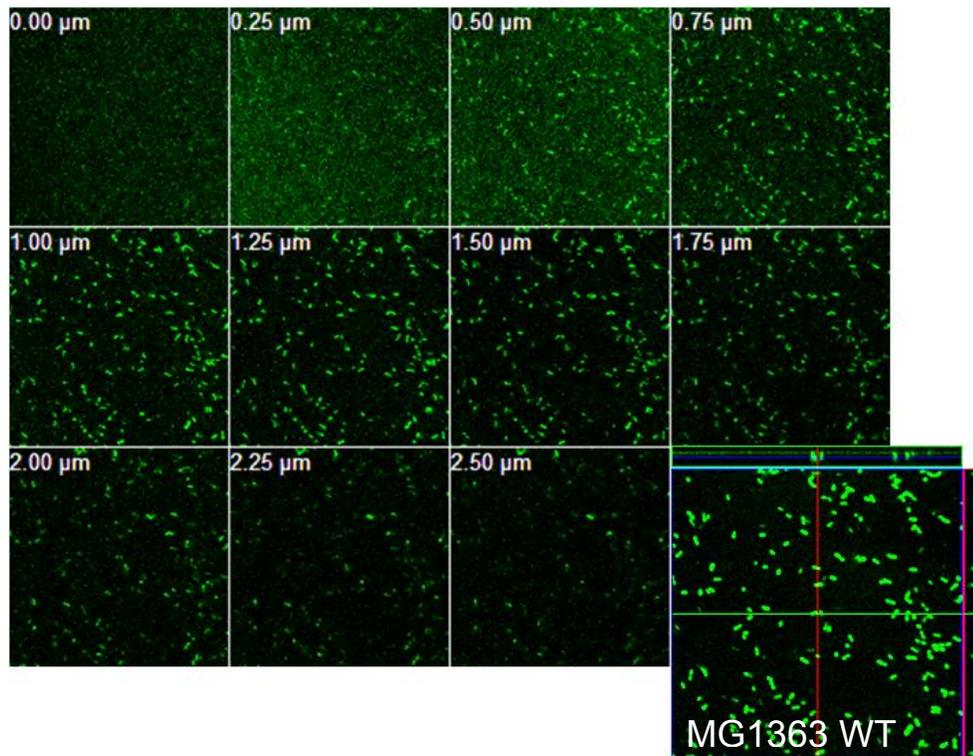


Fig. S2 (a). Confocal laser scanning microscopy (CLSM) of GFP-expressing *Lactococcus lactis* MG1363 WT biofilm at 24 h. Panels represent a gallery view of consecutive images taken at 0.25 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 5e). Thickness is indicated in micrometers.

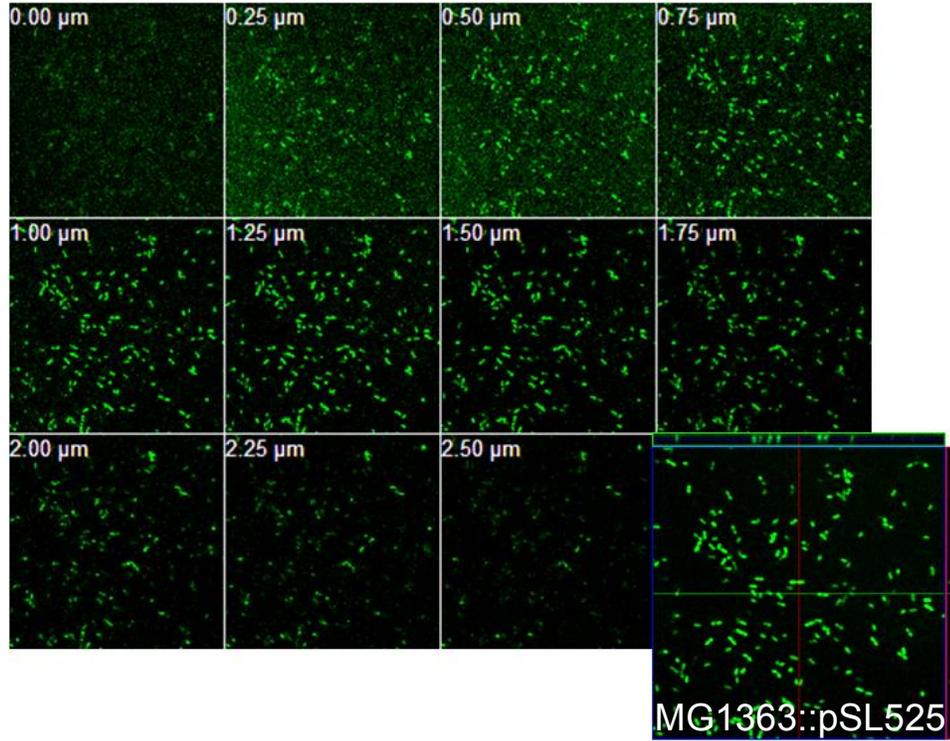


Fig. S2 (b). Confocal laser scanning microscopy (CLSM) of GFP-expressing *Lactococcus lactis* biofilm at 24 h. *L. lactis* was transformed with the shuttle vector pJRS525 (MG1363::pJRS525). Panels represent a gallery view of consecutive images taken at 0.25 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 5e). Thickness is indicated in micrometers.

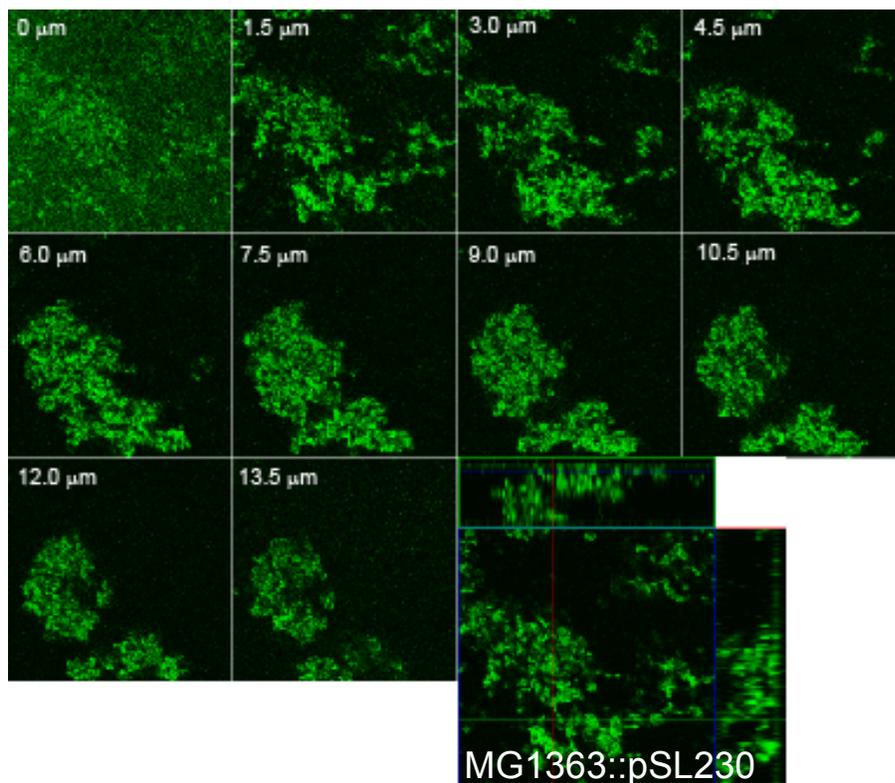


Fig. S2 (c). Confocal laser scanning microscopy (CLSM) of GFP-expressing *Lactococcus lactis* expressing Scl1.41 protein (MG1363::pSL230) biofilm at 24 h. *L. lactis* was transformed with the plasmid construct pSL230 encoding Scl1.41 protein (MG1363::pSL230). Panels represent a gallery view of consecutive images taken at 0.5 micrometer increments. Panel shown in lower right corner represents an X-Y orthogonal Z-stack view (Fig. 5e). Thickness is indicated in micrometers.