

Supplementary Information

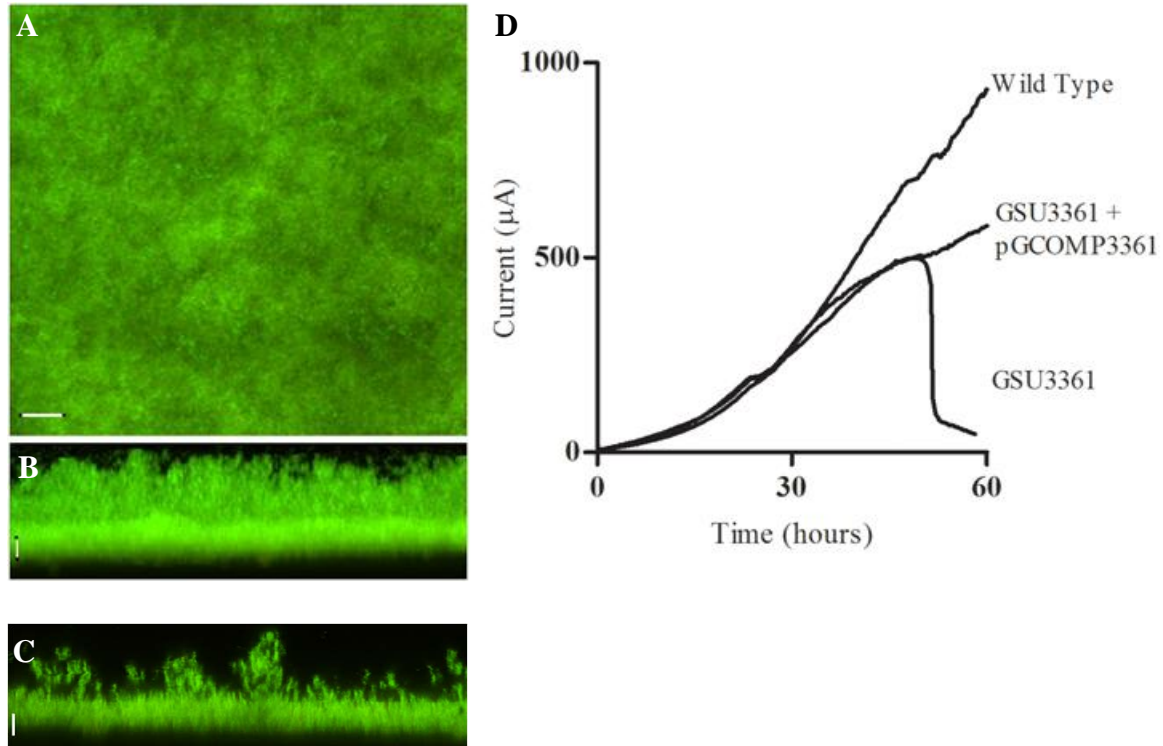


Figure S1: A-C) Representative CLSM images of biofilm formation of a GSU3361 complemented mutant on carbon electrodes poised at +0.24 V vs. SHE. Strain was imaged at 60 hours. Maximum projections from A) above the biofilm (bar = 20 μm), and B) viewed from the side of the biofilm (bar = 10 μm) are shown. Image in C) is a single vertical slice of biofilm formed by the GSU3361 complemented mutant, showing how vertical pillars of cells (bar = 10 μm) produce the additional 'height' in the maximum projection in (B). 'Live' cells are green, while permeable cells are red. D) Chronoamperometry for GSU3361 complemented mutant is shown in comparison to wild type *G. sulfurreducens*, and the transposon insertional mutant.