

Supplementary Materials

Naked eye evaluation and quantitative detection of the sugarcane leaf scald pathogen, *Xanthomonas albilineans*, in sugarcane xylem sap

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Table S1. Oligonucleotide sequences

	Oligonucleotide sequences (5'-3')
Biotinylated capture/detection probe (CP1/DP)	TCT GTA GTA CTT GAT TGT ATG C/3Bio
Thiolated capture probe (CP2)	5ThioMC6-D/CT GTA AAC GTT TGG CTG
Synthetic target sequence	GCA TAC AAT CAA GTA CTA CAG ACA GCC AAA CGT TTA CAG
qPCR Forward Primer	GTG GAG CAT GCA TAC AAT CAA G
qPCR Reverse Primer	TCT AGC TAT GGC TGG ATC AAT TT

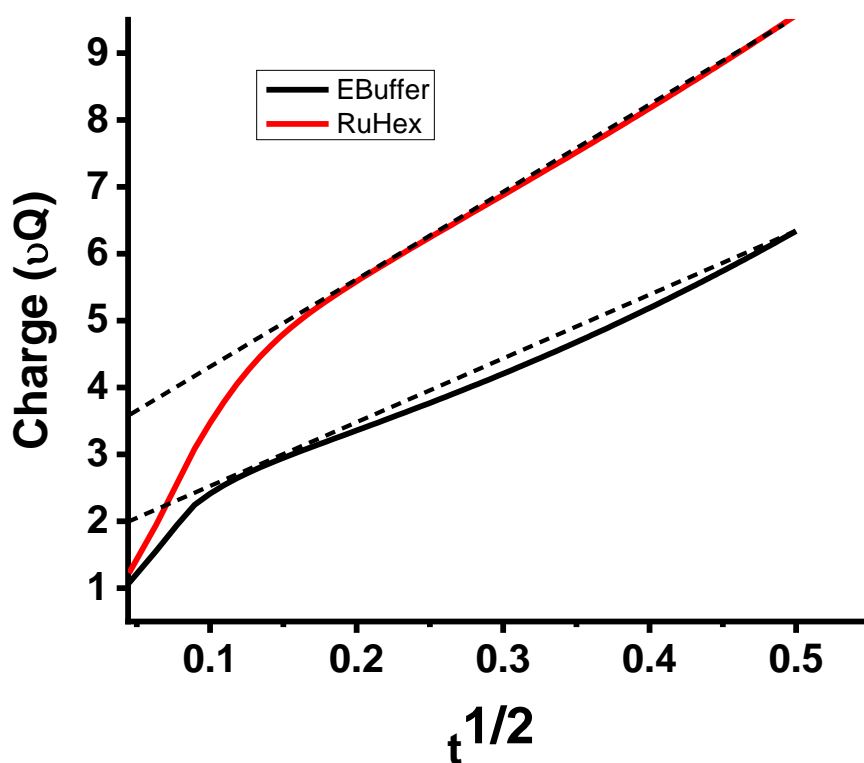


Figure S1. Chronocoulometric response obtained for self-assembled monolayer (SAM) of thiolated capture probes on screen printed gold electrodes. E-buffer = 10 mM Tris-HCl; pH 7.0, RuHex = 50 μ M ruthenium hexamine $[\text{Ru}(\text{NH}_3)_6]^{3+}$ solution in E-buffer

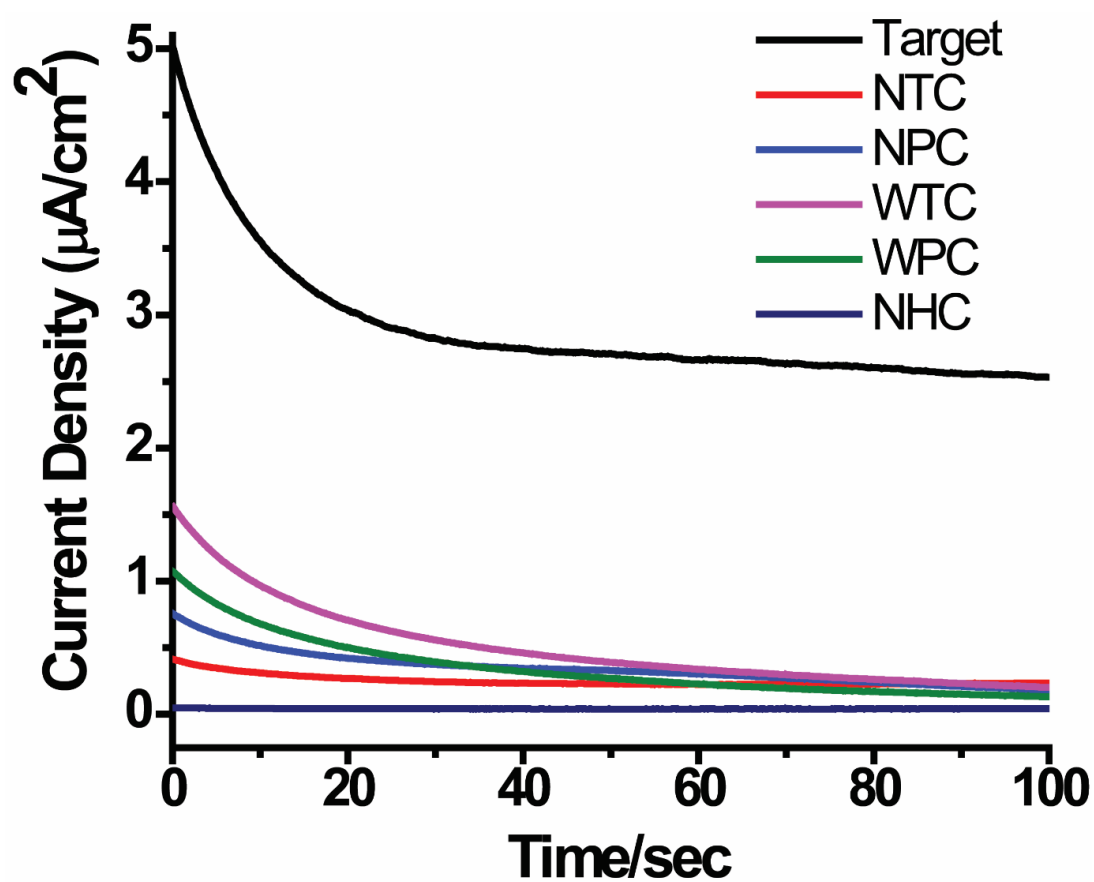


Figure S2. Representative chronoamperograms for assay specificity experiments. NTC = no target control; NPC = no probe control, WTC = wrong target control, WPC = wrong probe control, NHC = no-HRP control.