



Figure S5 Strain confirmation. (A) Potential $\Delta farA$ transformants were digested with SspI and $OE::farA$ with BstXI and HindIII, respectively, and probed by Southern blot. Expected sizes for the SspI digest were as follows. WT: 2.7, 2.8, and 3.4 kb; $\Delta farA$: 1.9, 2.4, and 3.4 kb. Expected sizes for the BstXI digest were as follows. WT: 2.3 and 0.8 kb; $OE::farA$: 2.3 and 4.3 kb. Expected sizes for the HindIII digest were as follows. WT: 3.3 kb; $OE::farA$: 5.5 kb. (B) Potential $\Delta farB$ and $OE::farB$ transformants were digested with DraI, EcoRV, and BstXI and probed by Southern blot. Expected sizes for the DraI digest were as follows. WT: 9.9 kb; $\Delta farB$: 3.5 and 6.3 kb. Expected sizes for the EcoRV digest were as follows. WT: 1.4, 1.9, and 4.5 kb; $\Delta farB$: 1.9 and 5.8 kb (faint). Expected sizes for the BstXI digest were as follows. WT: 2.0 and 3.0 kb; $OE::farB$: 2.0 and 6.6 kb. (C) Potential $\Delta farC$ transformants were digested with XhoI and KpnI, and probed with a 1.5 kb fragment of 5'-UTR and a 1.5 kb 3'-UTR respectively to identify $\Delta farC$ mutants based on a size difference. Expected sizes for the XhoI digest were as follows. WT: 4.6 kb; $\Delta farC$: 0.97 and 4.6

kb; OE::*farC*: 4.6 kb and 5.7 kb . Expected sizes for the KpnI digest were as follows. WT: 7.5 kb; Δ *farC*: 4.3 kb. Potential OE::*farC* transformants were digested with EcoRI and HindIII and probed with a 1.5 kb fragment of 5'-UTR and a 1.5 kb 3'-UTR respectively. Transformant 1 was chosen as putative Δ *farC* mutants. Expected sizes for the EcoRI digest were as follows. WT: 3.4 kb; OE::*farC*: 1.8 kb. Expected sizes for the HindIII digest were as follows. WT: 1.1 kb and 2.2 kb; OE::*farC*: 1.1 kb and 4.6 kb. **(D; E; F)** Respective strains were grown in liquid GMM and RNA was extracted at 24 and 48 hours post inoculation and converted to cDNA. Semi-quantitative PCR was carried out, with wildtype gDNA as the positive control.