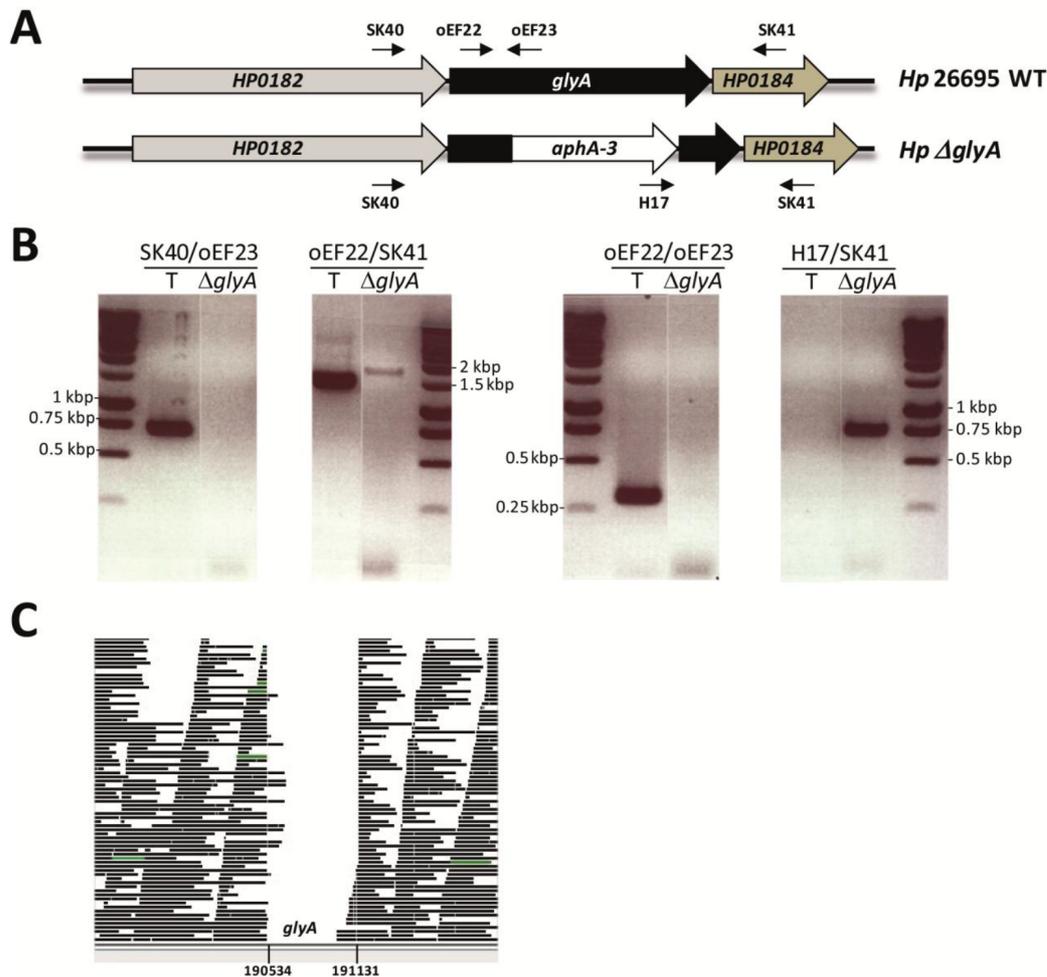


S1 Fig



S1 Fig. Partial deletion and chromosomal replacement of *glyA* in *H. pylori* 26695. (A) Partial deletion and chromosomal replacement of the *glyA* gene by a non-polar cassette *aphA-3* (Kⁿ) in *H. pylori* 26695. The chromosomal organization of the 26695 wild type and the resulting $\Delta glyA$ mutant strain is shown together with the adjacent genes HP0182 and HP0184. The small black arrows indicate primers used in this study for verification of the correct allelic replacement of *glyA* with *aphA-3*. (B) PCR amplification reactions to verify the allelic replacement of *glyA* with *aphA-3*. Expected sizes: SK40/oEF23: T, 0.70 kbp and $\Delta glyA$, no amplification; oEF22/SK41: T, 1.46 kbp and $\Delta glyA$, 1.65 kbp; oEF22/oEF23: T, 0.30 kbp and $\Delta glyA$, no amplification; H17/SK41: T, no amplification and $\Delta glyA$, 0.71 kbp. (C) Artemis genome browser screenshot confirming the deletion of *glyA* in the $\Delta glyA$ mutant strain.