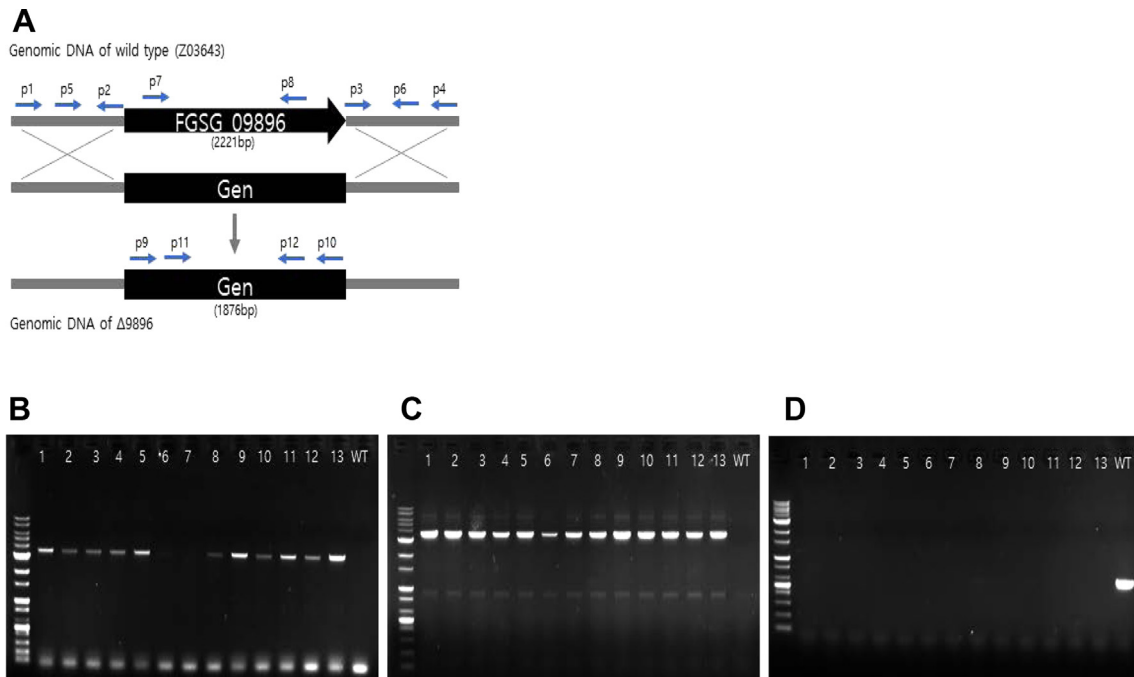


**Supplementary Fig. 1.** (A) Scheme for the deletion of FGSG\_09210 from the genome of the *Fusarium graminearum* Z3643 strain and the positions of primers used in PCR confirmation. (B) Confirmation of the targeted gene deletion event by PCR amplification with the primer pair P1 and P12 (size of the 5' flanking PCR product: 3,475 bp). (C) PCR amplification with the primer pair P4 and P11 (size of the 3' flanking PCR product: 3,438 bp). (D) PCR amplification with the primer pair P7 and P8 (size of the PCR product inside the gene ORF: 521 bp).



**Supplementary Fig. 2.** (A) Scheme for the deletion of FGSG\_09896 from the genome of the *Fusarium graminearum* Z3643 strain and the positions of primers used in PCR confirmation. (B) Confirmation of the targeted gene deletion event by PCR amplification with the primer pair P1 and P12 (size of the 5' flanking PCR product: 3,575 bp). (C) PCR amplification with the primer pair P4 and P11 (size of the 3' flanking PCR product: 3,597 bp). (D) PCR amplification with the primer pair P7 and P8 (size of the PCR product inside the gene ORF: 634 bp).