



**Supplementary Fig. 5.** (A) Scheme for the deletion of FGSG\_03638 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: 3,846 bp). (C) PCR amplification with the primer pair P4 and P11 (size of the 3' flanking PCR product: 3,266 bp). (D) PCR amplification with the primer pair P7 and P8 (size of the PCR product inside the gene ORF: 603 bp).

## Reference

Kim, H.-K., Jo, S.-M., Kim, G.-Y., Kim, D.-W., Kim, Y.-K. and Yun, S.-H. 2015. A large-scale functional analysis of putative target genes of mating-type loci provides insight into the regulation of sexual development of the cereal pathogen *Fusarium graminearum*. *PLoS Genet.* 11:e1005486.