

**Supplementary Fig. 2.** Virulence assay with the wild type (WT) and *FgSWI6* mutants of *F. graminearum* that were infected with FgV1 (indicated by VI) or virus free (indicated by VF). Disease symptoms in wheat head spikelets. Conidia suspensions of the three mutants and the WT were used to inoculate wheat plants. The wheat heads were photographed at 14 days post-inoculation.

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