

**SUPPLEMENTARY FIG. S7.** Transgenerational CRISPR-Cas9 activity induces new mutations in the TaGW2 gene. The GW2T2 target site was amplified and sequenced by NGS. All identified read types for **(A)** T<sub>0</sub> line GLM-7 and its **(B)** T<sub>1</sub>, **(C–E)** T<sub>2</sub> progenies are shown. WT, wild-type alleles in wheat cultivar Bobwhite; "–" and "+" signs and numbers after them, nucleotides deleted and inserted, respectively. The detected numbers of each read type are shown on the right.