

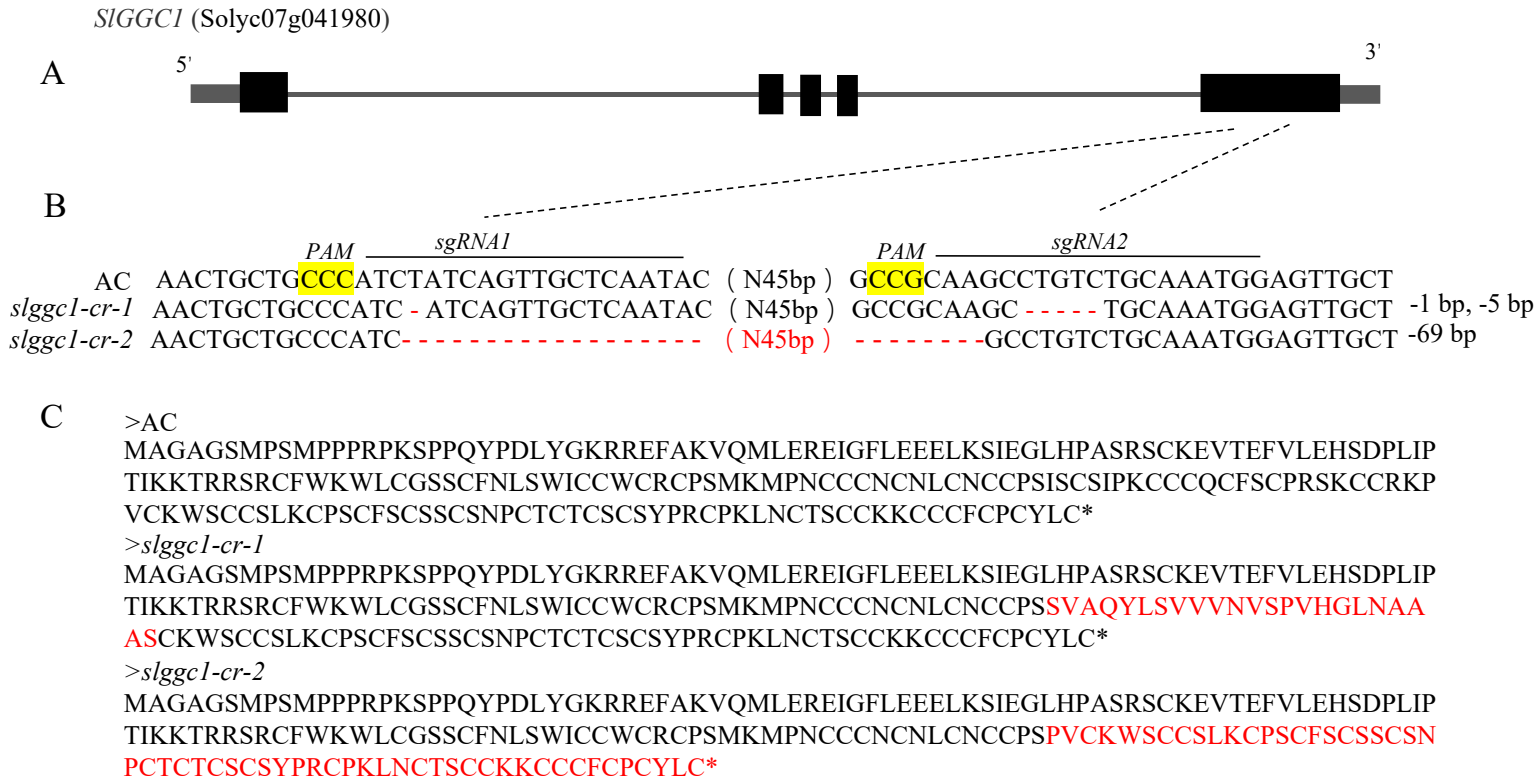


Figure S1. Generation of *SlGGC1* mutants via CRISPR/Cas9-based approach

(A) The schematic of the gene structure of *SlGGC1*. The exons, introns, and UTRs are indicated as black boxes, black lines, and grey boxes, respectively.

(B) The gRNA sequences and gene editing results are listed in the diagram. Two independent single-guide RNAs (sgRNA1 and sgRNA2) and PAM were labeled with black lines and yellow respectively.

(C) Alignment of the amino acid sequences of *SlGGC1* of AC, *slggc1-cr-1* and *slggc1-cr-2*. The frameshifted sequences of *slggc1-cr-1* and *slggc1-cr-2* were highlighted in red.