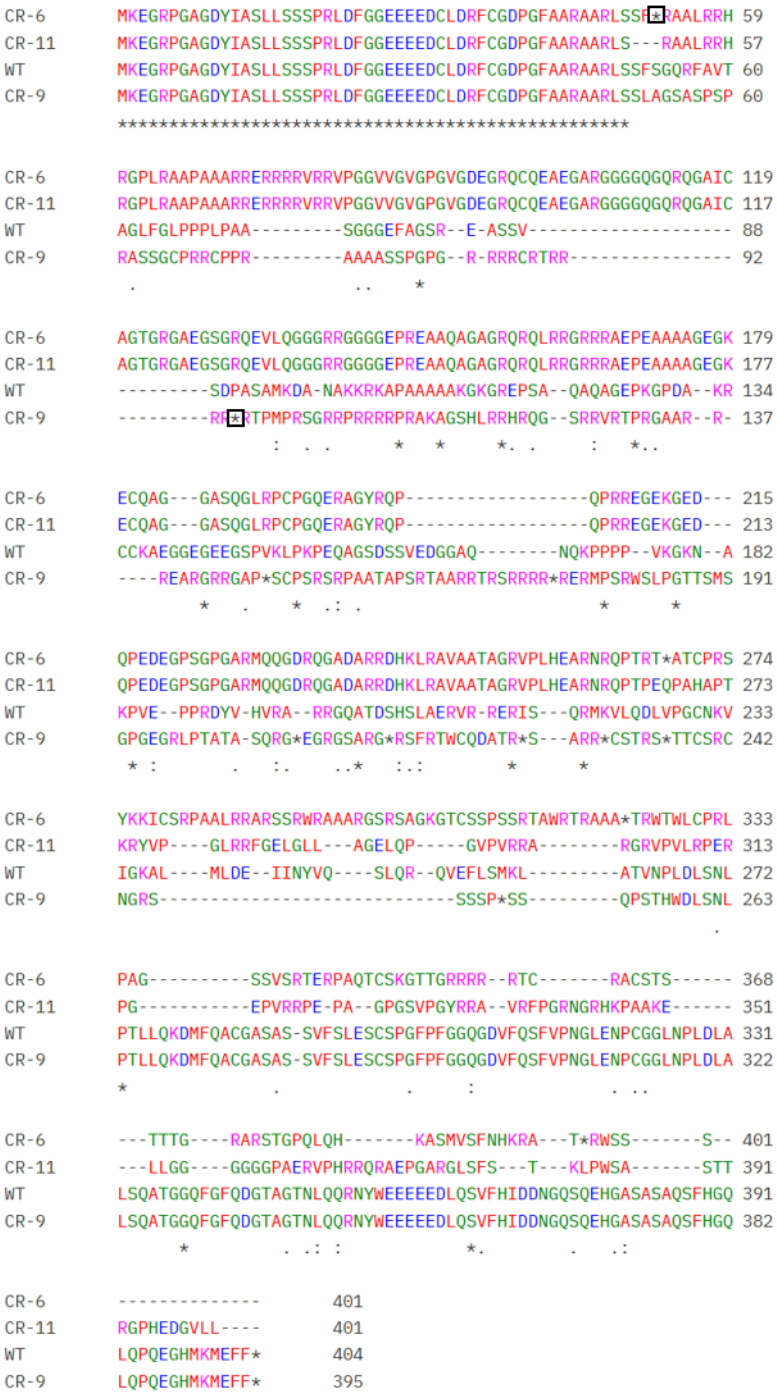


Figure S1 Protein sequence alignment of the WT and the three *ZmbHLH81* mutant lines. The CRISPR/Cas9-mediated frameshift mutations lead to premature translation termination in the CR-6 and CR-9 lines, with black boxes indicating the positions of the premature stop codons. In contrast, the mutation in the CR-11 results in a completely altered amino acid sequence downstream of the first target site. Both the premature truncation and the sequence alteration are strongly predicted to severely disrupt the function of the ZmbHLH81 protein.