

Title page

CRISPR/Cas9-mediated mutagenesis of homologous genes in Chinese kale

Bo Sun^{1,†}, Aihong Zheng^{1,†}, Min Jiang¹, Shengling Xue¹, Qiao Yuan¹, Leiyu Jiang¹, Qing Chen¹,

Mengyao Li¹, Yan Wang², Yong Zhang¹, Ya Luo¹, Xiaorong Wang², Fen Zhang^{1,*}, and Haoru Tang^{1,2,*}

¹College of Horticulture, Sichuan Agricultural University, Chengdu 611130, China

²Institute of Pomology and Olericulture, Sichuan Agricultural University, Chengdu 611130, China

[†]These authors contributed equally.

Supplemental Information

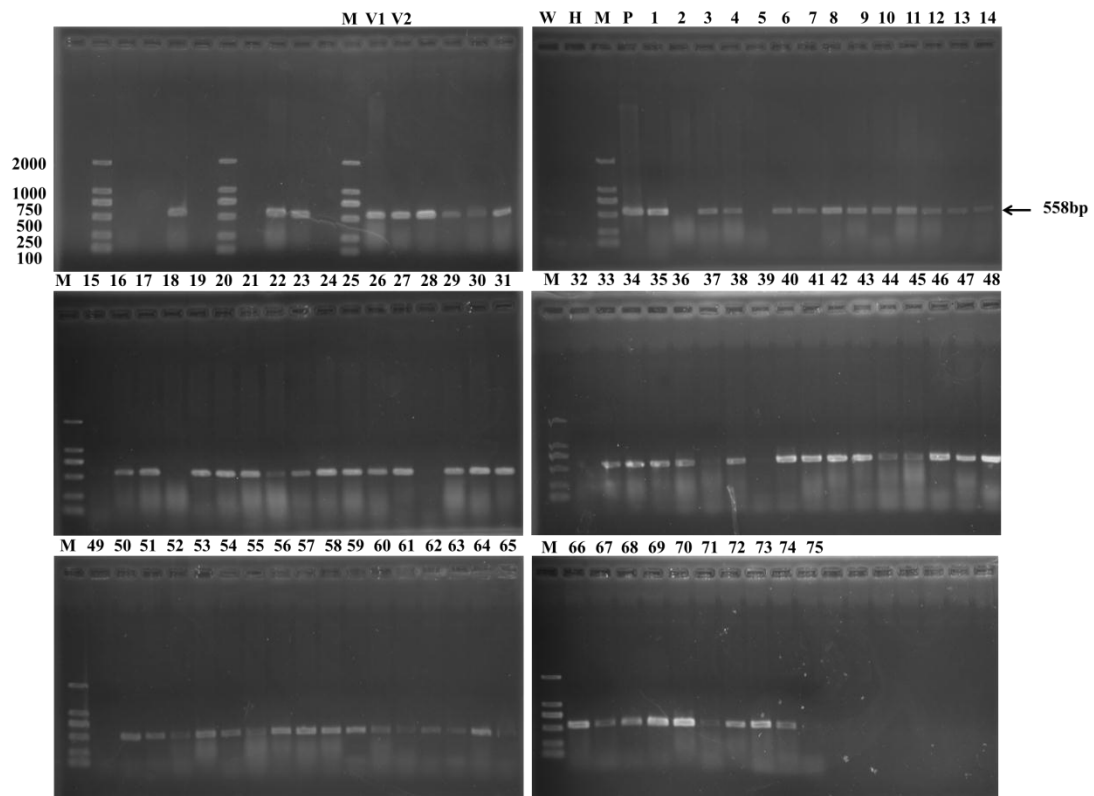


Figure S1. Original image shows the PCR detection of the hygromycin-resistant gene for the estimation of transformation efficiency.

M: DL2000 maker; V1,V2: empty vector was used as a positive control; P: plasmid which contain vector and sgRNA also was used as a positive control; W: gDNA of WT was as a negative control; H: H₂O was as a negative control; 1-75: indicates the resistant plant line number; The arrow points to the aim band.