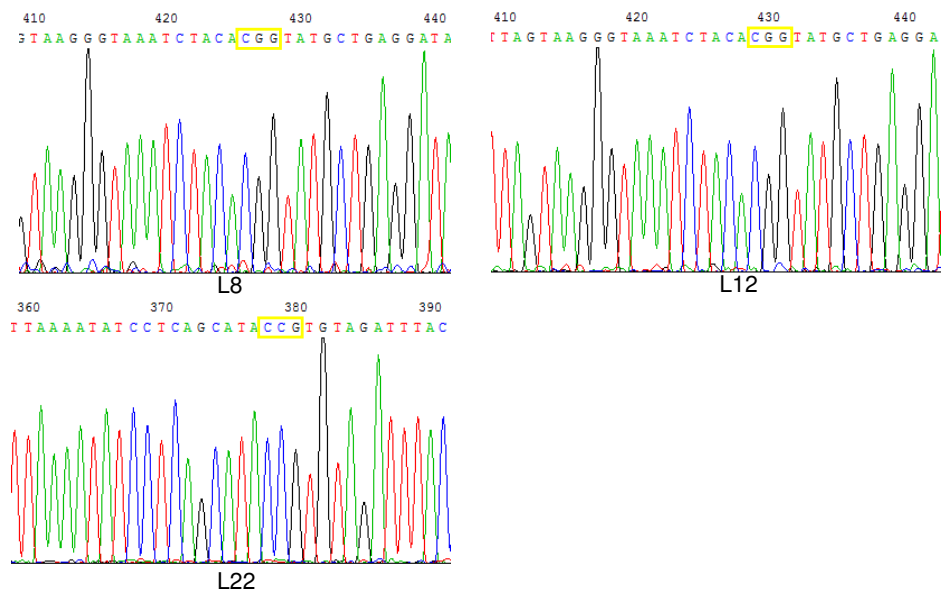


A

WT	5'	TGATACCAGCTGGCTATACACGG	3'
L8	5'	T*****ACACGG	3'
L12	5'	T*****ACACGG	3'
L22	5'	T*****ACACGG	3'

B



Supplementary Figure 12. The sequencing and sequences analysis of different transgenic lines of *NtPVY*. TA clones of L8, L12 and L22 were constructed with primers of PVY-F/PVY-R. M13 was the sequencing primer; the sequences of wild type *PVY* and transgenic mutant lines (A), the blue marked CGG was the PAM, the * indicated deletion sequence; sequencing chromatograms (B). The yellow boxes marked sequences was the PAM (CGG/CCG). At least twenty bacteria clones were used for sequencing to each putative transgenic plant.