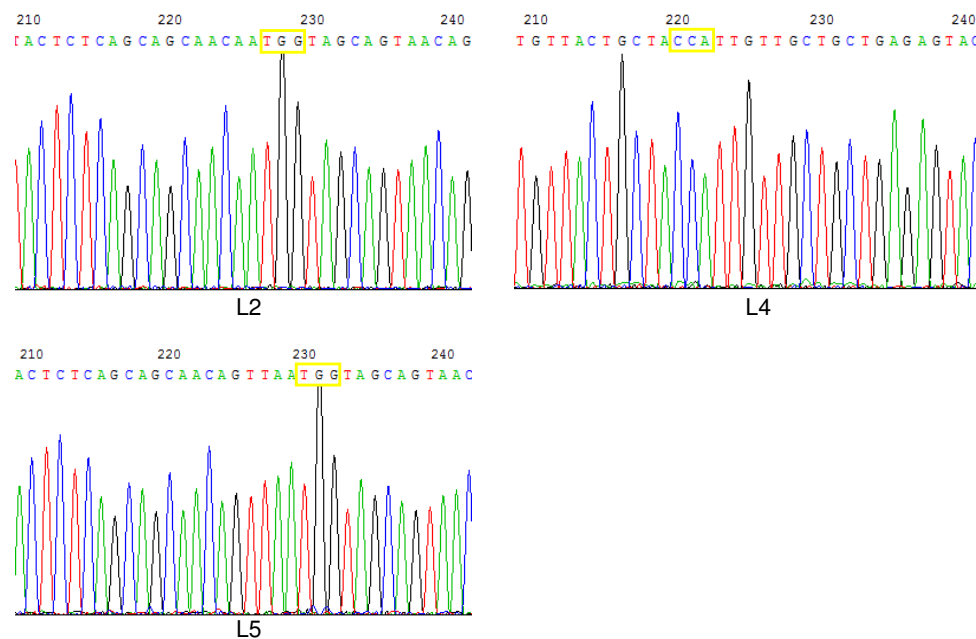


A

|    |    |                         |    |
|----|----|-------------------------|----|
| WT | 5' | CTCTCAGCAGCAACAGTAATGG  | 3' |
| L2 | 5' | CTCTCAGCAGCAACA***ATGG  | 3' |
| L4 | 5' | CTCTCAGCAGCAACA***ATGG  | 3' |
| L5 | 5' | CTCTCAGCAGCAACAGTTAATGG | 3' |

B



Supplementary Figure 6. The sequencing and sequences analysis of different transgenic lines of *NtMYB86*. TA clones of L2, L4 and L5 were constructed with primers of MYB86-F/MYB86-R. M13 was the sequencing primer; the sequences of wild type *MYB86* and transgenic mutant lines (A), the blue marked TGG was the PAM, the red marked was the inserted base pair and the \* was the deletion sequence; sequencing chromatograms (B). The yellow boxes marked sequences was the PAM (TGG/CCA). At least twenty bacteria clones were used for sequencing to each putative transgenic plant.