Figure 28. Analysis transgenic plant by southern blot

A. HindIII digested λ DNA marker.

B. Southern blot analysis of the GUS gene in transgenic plants. Genomic DNA was digested with HindIII enzyme for plants that transformed with pITB450 (lanes 1-2) and pITB228 (lanes 3-5) and non-transformed control (lane 6). Using uidA probe.

C. Southern blot analysis of the T7 RNAP gene in transgenic plants. Genomic DNA was digested with BglII-SalI enzymes for plants transformed with pITB441(1), pITB450 (2-3), pITB228 (4), pCAMBIA1301 (5-6) and control plant (7). Using T7 RNA polymerase probe.

D. Genomic DNA in transgenic plants that transformed with pITB541 was digested with BamHI-NcoI (lane1), BamHI (lane2); pITB550 digested with BglII-HindIII (lane 3), BglII (lane 4); pITB641 digested with BamHI-NcoI (lane 5), BamHI (lane 6); pITB650 digested with HindIII-BglII (lane 7), BglII (lane 8); pITB741 digested with SmaI-NcoI (lane 9), SmaI (lane 10) and pITB750 digested with BglII-HindIII (lane 11), BglII (lane 12). Using uidA probe.