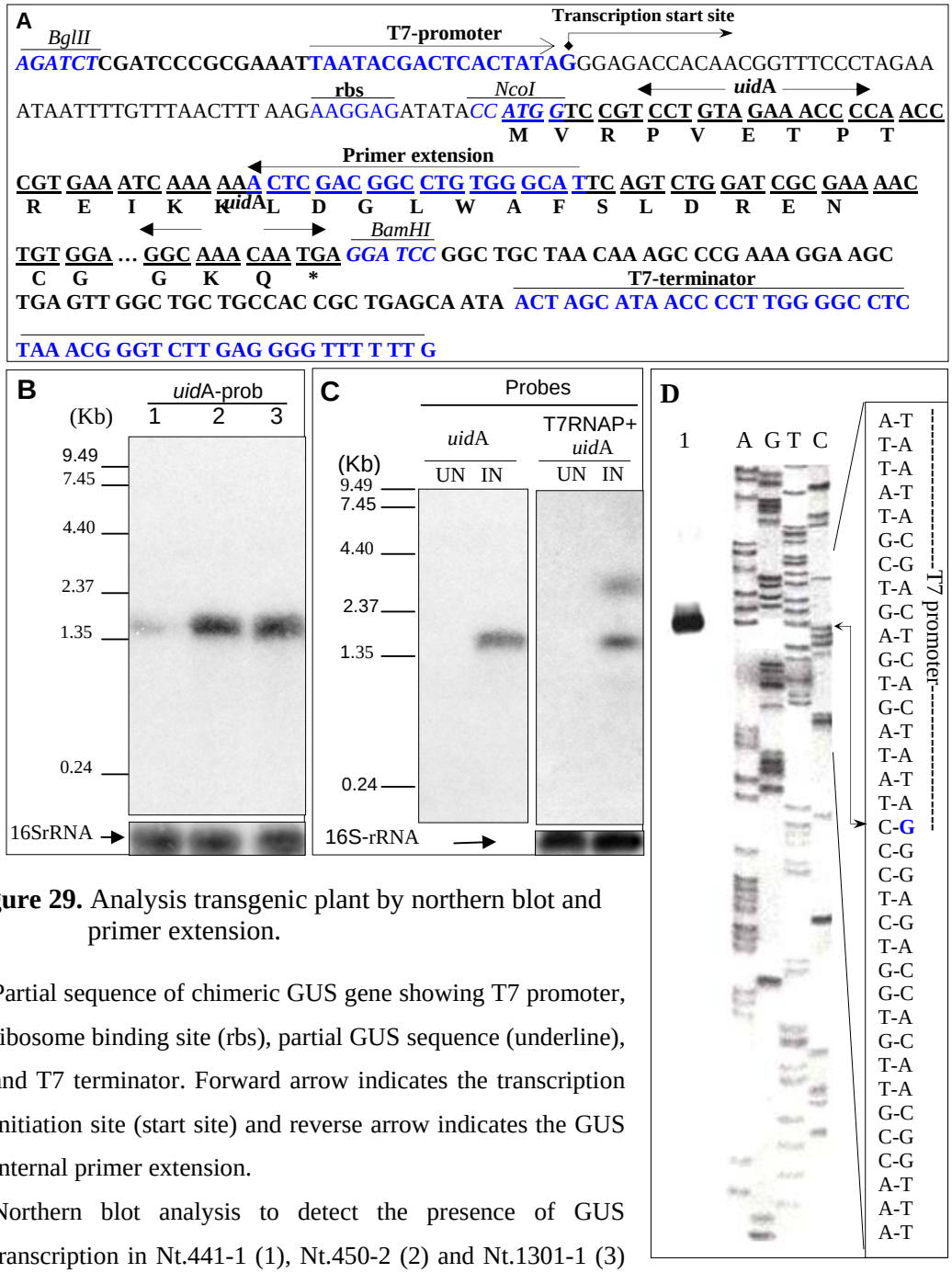

Figure 29. Analysis transgenic plant by northern blot and primer extension.

A. Partial sequence of chimeric GUS gene showing T7 promoter, ribosome binding site (rbs), partial GUS sequence (underline), and T7 terminator. Forward arrow indicates the transcription initiation site (start site) and reverse arrow indicates the GUS internal primer extension.

B. Northern blot analysis to detect the presence of GUS transcription in Nt.441-1 (1), Nt.450-2 (2) and Nt.1301-1 (3) using *uid*A probe.

C. Expression of GUS and induction with tetracycline in plant that transformed with both construct pITB228 and pBin-tetR. Blot was probed either with *uid*A (left panel) or *uid*A and T7RNAP together (right panel). UN, uninduced; IN, induced. Re-hybridization of the same blot was carried out with ribosomal 16S (16S-rRNA) probe to show equal loading of RNA (lower panel).

D. Mapping of the 5' ends of the *uid*A transcripts by primer extension. ATGC represent partial nucleotide sequence of pITB450 generated by GUS internal primer. Lane 1 shows the extension product using RNA from wild type (not shown) and Nt.450-2 plant.