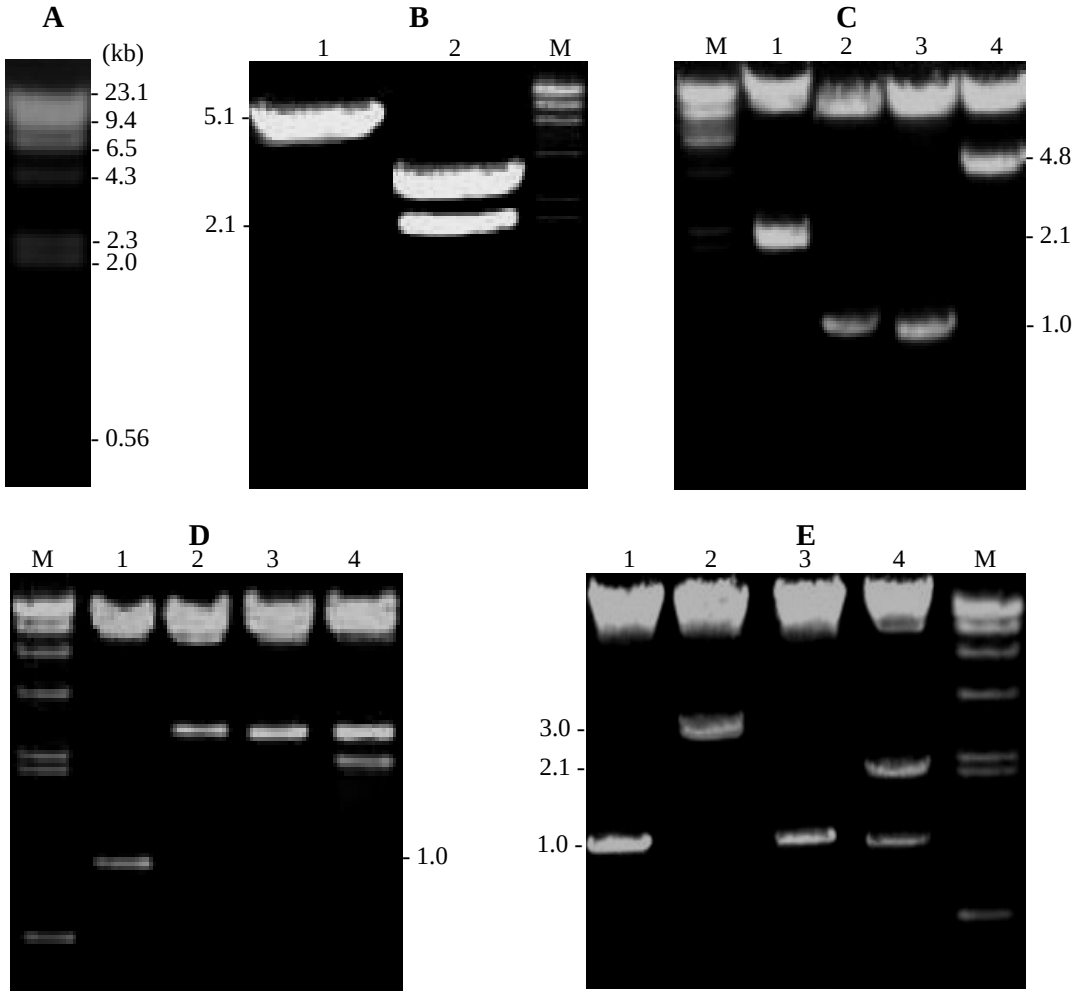

Figure 14. Restriction digestion to confirm various cloning steps in the construction of pITB245 series (see figure 13 for other details).

A. *HindIII* digested λ DNA marker.

B. Restrcition analysis to confirm the cloning of PDS promoter into pGEMT_Easy vector. Digestion of pGEMT-Easy-PDS with *BglII* (lane 1) showed a linear of plasmid (~5.0 kb), while digestion with *BglII-SmaI* (lane 2) showed the presence of 2.1 kb band corresponding to the size of PDS promoter. M: Marker.

C. Digestion of pITB245 with *SmaI-BglII* (lane 1), *HindIII-BglII* (lane 2), *HindIII-BamHI* (lane 3) and *SalI-BglII* (lane 4) to determine the cloning of GluB1 promoter into pITB241 by replacing PDS promoter.

D. Digestion of pITB245 (lane 1), pITB245G1 (lane 2), pITB245G2 (lane 3) and pITB245G3 (lane 4) with *HindIII-BamHI* to show the cloning of "T7 promoter:*uid*A:T7 terminator" cassette into pITB245.

E. Digestion pITB245 (lane 1), pITB245G1 (lane 2), pITB245G2 (lane 3) and pITB245G3 (lane 4) with *HindIII-BglII* that determined the orientation and copy number of cassette. Lanes 2 and 3 shown that one copy of cassette was inserted (in different orientations. Lane 4 shows the presence of two copies, both in anticlockwise direction.