



Figure 32. Histochemical localization of GUS expression in transgenic tobacco callus (A) and shoot (B) which were transformed with construct pITB441 (Nt.441) and in shoots transformed with construct pITB450 (C). The leaf from plant that transformed with pITB641 (D) or pITB650 (E). Note intensive GUS expression in guard cells. While leaf transformed with construct pITB750 (F) shown highest expression in vascular and lower in mesophyll tissues, in contrast leaf transformed with construct pITB450 (G) showed high expression in mesophyll cells and absent in vascular tissues. In the roots, expression of GUS gene is specific; the root transformed with construct pITB741 (H) or pITB750 (I) is high in vascular tissues, while with pITB541 (J) or pITB550 (K) expression was absent in the root hair (RH) and root elongation (RE) zone but more in root cap (RC). In pITB228 (L) GUS expression was present in the entire root tissue.