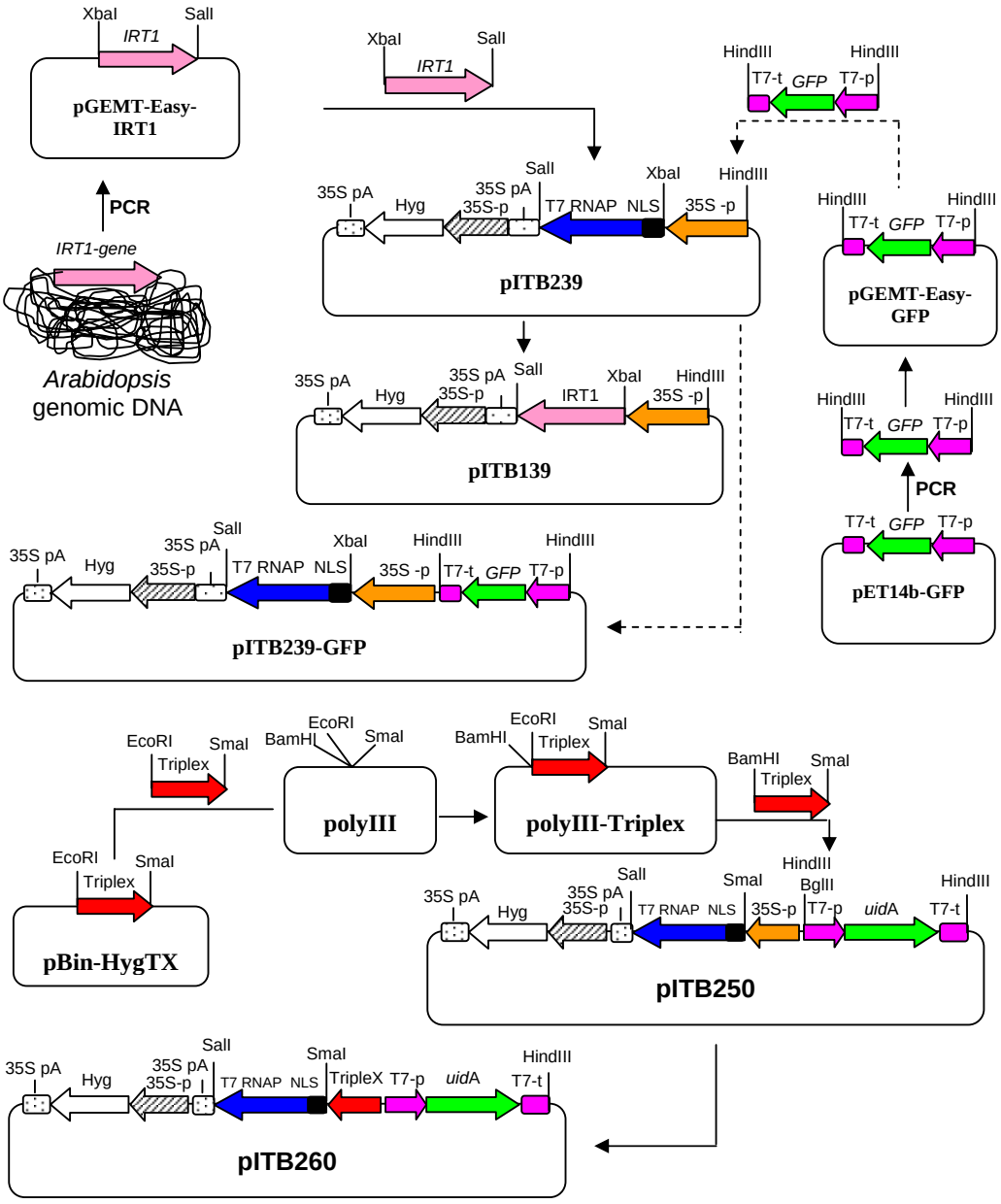

Figure 5. Construction of pITB139, pITb239-GFP and pITB260

The 1.0 kb *IRT1* gene was PCR amplified from *Arabidopsis* genomic DNA and cloned into pGEMT-Easy to yield pGEMT-Easy-IRT1. The 1071 bp *XbaI-SalI* fragment containing *IRT1* gene was cloned into pITB239 replacing T7 RNAP to yield pITB139. The *GFP* gene was PCR amplified from pCAMBIA1302 and cloned into *NcoI-BamHI* sites of pET14b to yield pET14b-GFP. The "T7 promoter:GFP:T7 terminator" cassette was amplified from pET14b-GFP and cloned into pGEMT-Easy to yield pGEMT-Easy-GFP. The *HindIII-HindIII* fragment containing "T7 promoter:GFP:T7 terminator" cassette was cloned into *HindIII* site of pITB239 to yield pITB239-GFP. The *EcoRI-SmaI* CaMV TripleX promoter was cloned into *EcoRI-SmaI* sites of polyIII to yield polyIII-TripleX**.** The *BamHI-SmaI* CaMV TripleX promoter from polyIII-TripleX was cloned into pITB250 by replaceing 35S promoter to yield pITB260.