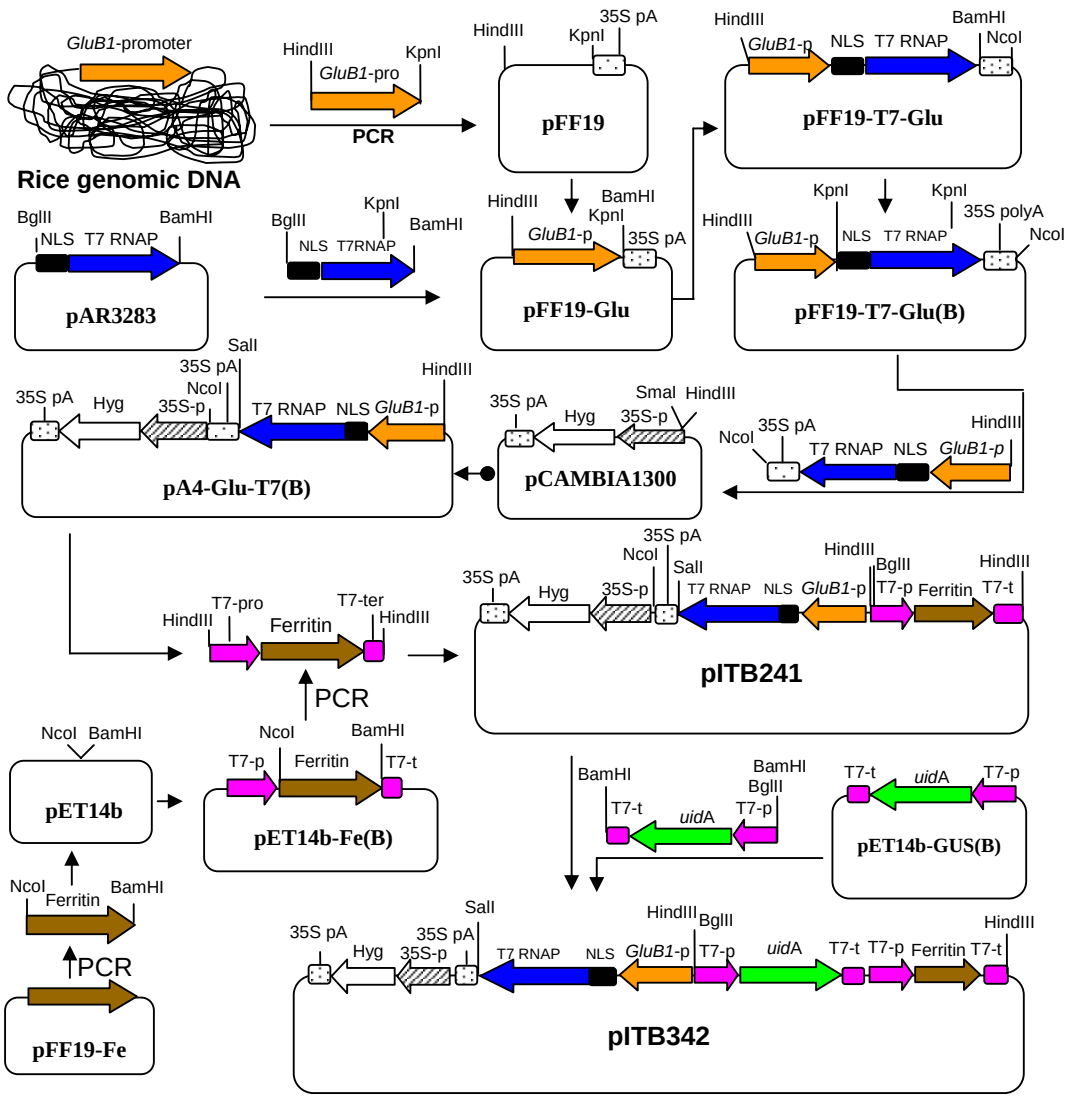

Figure 11. Construction of pITB241 and pITB342.

The 1.3 kb *HindIII-KpnI GluB-1* fragment amplified from rice genomic DNA was cloned as *HindIII-KpnI* fragment in pFF19 replacing "35S promoter- enhancer" to yield pFF19-Glu. The 2.7 kb *BglII-BamHI* T7 RNAP was cloned into *BamHI* site of pFF19-Glu to yield pFF19-Glu-T7. The unique *BamHI* site was removed by digestion with *BamHI* followed by blunt ending with Klenow enzyme and ligation to create pFF19-Glu-T7(B). The *HindIII-NcoI* (*NcoI* blunt ended by Klenow) containing "*GluB-1* promoter:T7 RNAP:35S polyA" cassette was cloned into *HindIII-SmaI* sites of pCAMBIA1300 yielding pA4-Glu-T7(B). The *NcoI-BamHI* ferritin gene was amplified from pFF19-Fe and cloned into *NcoI-BamHI* sites of pET14b. The unique *BamHI* site was deleted restriction digestion and end filling by Klenow and ligation to yield pET14b-Fe(B). The *HindIII-HindIII* fragment containing "T7 promoter:Ferritin:T7 terminator" cassette was amplified from pET14b-Fe(B) and cloned into *HindIII* site of pA4-Glu-T7(B) yielding pITB241. The pITB342 was created by cloning *BamHI-BamHI* fragment containing "T7 promoter:*uid*A:T7 terminator" cassette from pET14b-GUS(B) into *BglII* site of pITB241.