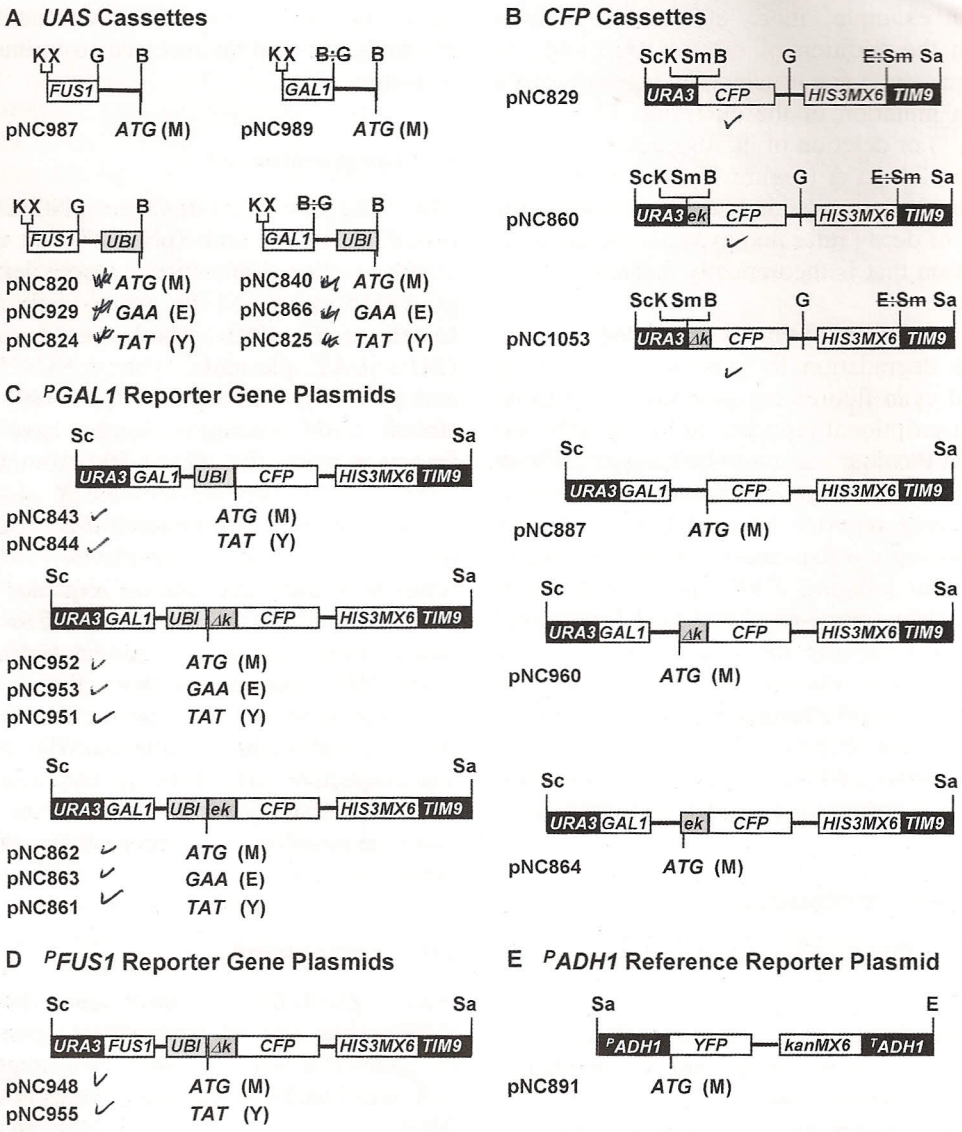

Figure 2. Schematic representation of fluorescent reporter gene plasmids. (A) *FUS1* and *GAL1 UAS* cassette plasmids. Cassettes with the *UBI4* coding sequence have indicated codons for methionine (M), glutamate (E) or tyrosine (Y) following the C-terminal glycine codon for ubiquitin (*UBI*). *UAS* cassette plasmids without the *UBI4* coding sequence have an *ATG* codon. (B) *CFP* cassettes were made without or with an in-frame ek or Δk linker sequence (Figure 1B). (C, D) CFP reporter genes were assembled by subcloning the *Kpn*I–*Bam*HI fragment from a *UAS* cassette into the *Kpn*I–*Bam*HI site of a *CFP* cassette (see Figure 3). The assembled reporter genes have a selectable marker (*HIS3MX6*), 5′ (*URA3*) and 3′ (*TIM9*) flanking sequences for targeting integration of the assembled reporter gene to the *URA3*–*TIM9* intergenic region of chromosome V. (D) ^{P}*ADH1*-dependent YFP reference reporter. This allele carries the *KanMX6* selectable marker and targeting sequences for replacement of the *ADH1* coding sequence at chromosome XV. Unique restriction enzyme sites in the different plasmids are shown (B, *Bam*HI; G, *Bgl*II; E, *Eco*RV; K, *Kpn*I; Sa, *Sal*I; Sc, *Sac*I; Sm, *Sma*I; X, *Xho*I)