Table 1
Primer Sequences for some Commonly Used Promoters and Reporter Genes

Gene/promoter	Primer sequences	Size of PCR fragment, bp
npt-II gene	5' TCT CAC CTT GCT CCT GCC 3' (forward primer) 5' AGG CGA TAG AAG GCG ATG C 3' (reverse primer)	464
*gus*A gene	5' AGC ATC TCT TCA GCG TAA GG 3' (forward primer) 5' TGA ACA ACG AAC TGA ACT GG 3' (reverse primer)	611
nos promoter	5' GAC AAG CCG TTT TAC CGT TTG GAA CTG 3' (forward primer) 5' CTG CAG ATT ATT TGG ATT GAG AGT G 3' (reverse primer)	270
CaMV35S promoter	5' CTA CTC CAA AAA TGT CAA AGA TAC AGT C 3' (forward primer 5' GGG CTG TCC TCT CCA AAT G 3' (reverse primer)	370[a]
non-tDNA RB[b]	5' CGC TCT TTT CTC TTA GGT TTA 3' (forward primer)	
npt-II 5'	5' GTC ATA GCC GAA TAG CCT C 3' (reverse primer)	

[a]Expected size for a single 35S promoter. If a double 35S promoter is present within the construct, two PCR products will be obtained, one of 370 bp and the other 775 bp.

[b]This primer can be used in conjunction with the *npt*-II 5' primer or a construct-specific primer to check for *Agrobacterium* contamination.