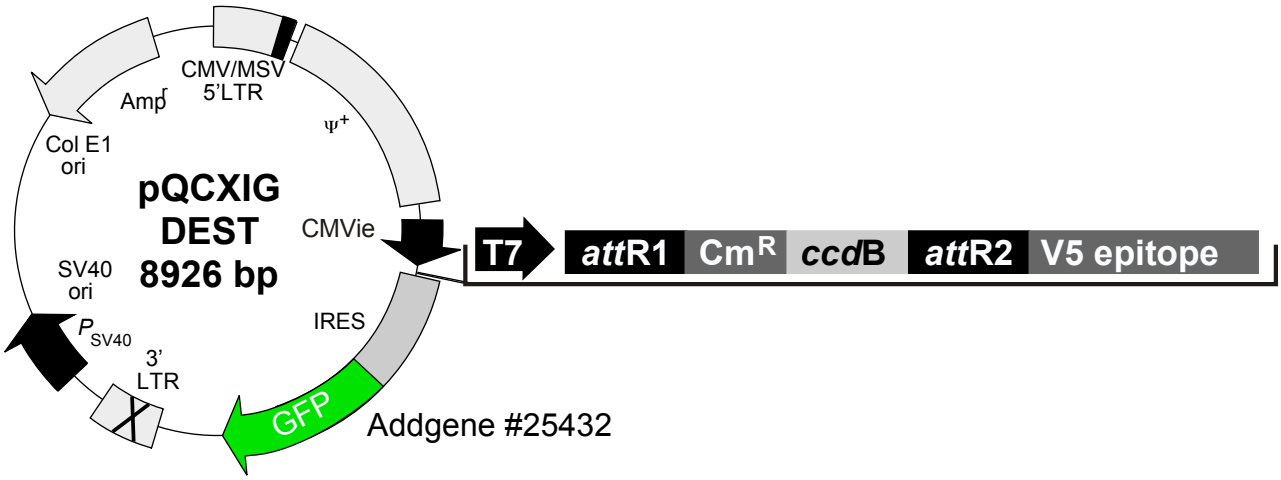
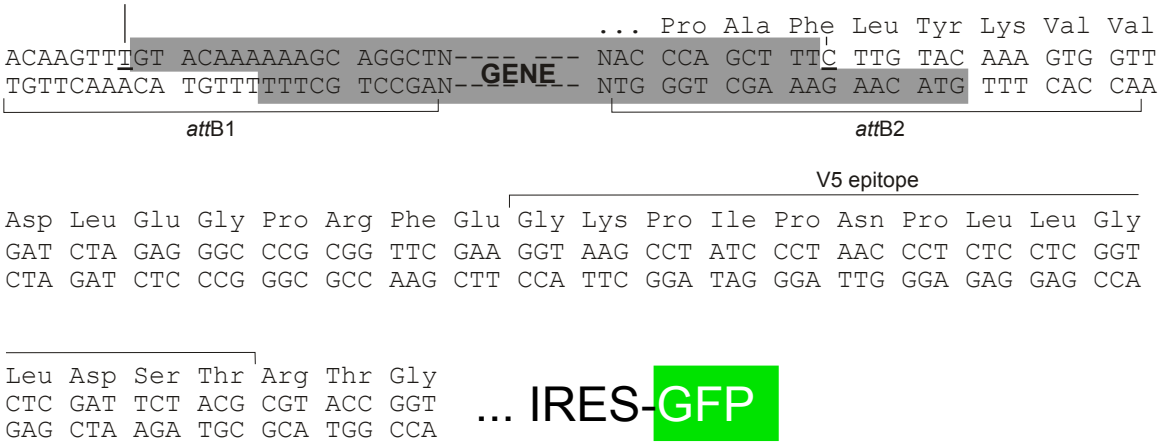


Comments on pQCXIG DEST, 8926 nucleotides:

5‘ LTR (CMV/MSV): 1–728
Cytomegalovirus (CMV)/ mouse sarcoma virus (MSV) hybrid promoter: 1–511
R region: 584–654
U5 region: 655–728
ψ+ (extended packaging signal): 758–1567
CMV promoter: 1601-2133
att R1 site: 2280-2406
Chloramphenicol resistance gene (Cm):2515-3174
ccd B gene:3516-3821
att R2 site:3861-3986
V5 epitope: 4012-4053
Internal ribosome entry site (IRES): 4091-4670
Enhanced Green Fluorescent Protein (GFP) cDNA 4679-5398
3’ MoMuLV LTR (deletion in U3): 5631-6057
SV40 promoter: 6335-6603
SV40 ori: 6558-6623
Col E1 ori (Site of replication initiation): 6945
Ampicillin resistance gene (reverse orientation): 8564-7704

Frame of V5 epitope after LR recombination:



Use *E.coli* DB3.1 or ccDB survival strain for propagation under chloramphinecol and ampicillin selection.

The position of the genetic elements is approximative.

Vector made by Octavian Henegariu (Yale University) August 2010