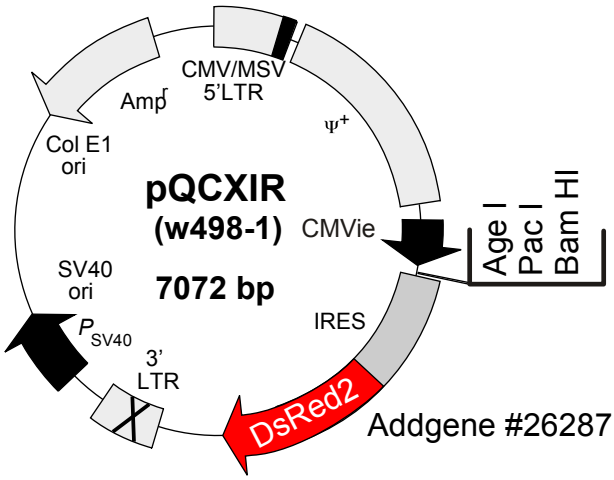


Comments on pQCXIR, 7072 nucleotides:

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
Multiple Cloning Ste (MCS):2247-2280
Internal ribosome entry site (IRES): 2281-2804
Discosoma sp. red fluorescent protein 2 (DsRed2) cDNA: 2857-3546
3’ MoMuLV LTR (deletion in U3): 3776-4202
SV40 promoter: 4481-4750
SV40 ori: 4704-4770
Col E1 ori (Site of replication initiation): 5090
Ampicillin resistance gene (reverse orientation): 6710-5850

Use *E.coli* TOP10F’ strain for propagation under ampicillin selection.

The position of the genetic elements is approximative.

Eric Campeau November 2007