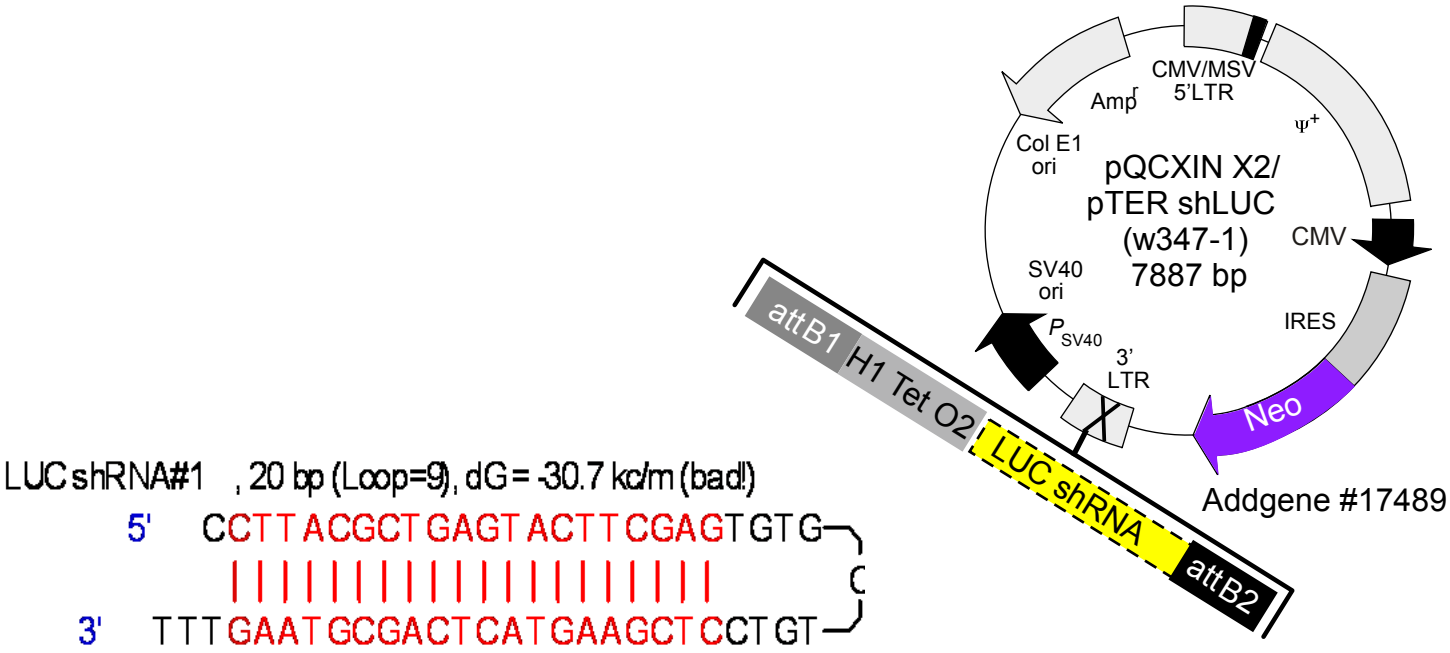


Comments on pQCXIN X2/pTER shLUC, 7887 nucleotides:

5‘ LTR (CMV/MSV): 1–728
Cytomegalovirus (CMV)/ mouse sarcoma virus (MSV) hybrid promoter: 1–511
R region: 584–654
U5 region: 655–728
y+ (extended packaging signal): 758–1567
CMV promoter: 1601-2170
Internal ribosome entry site (IRES): 2289-2862
Neomycin resistance gene (NEO): 2876-3670
3’ MoMuLV LTR (deletion in U3): 4077-5018
attB2 site: bases 4153-4177
Firefly Luciferase (LUC) shRNA: bases 4307--4247
H1/TO promoter: bases 4528-4313
attB1:4570-4594
SV40 promoter: 5297-5564
SV40 ori: 5519-5585
Col E1 ori (Site of replication initiation): 5906
Ampicillin resistance gene (reverse orientation):7525-6665

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

NOTE: The position of the genetic elements is approximative.

Eric Campeau May 2007