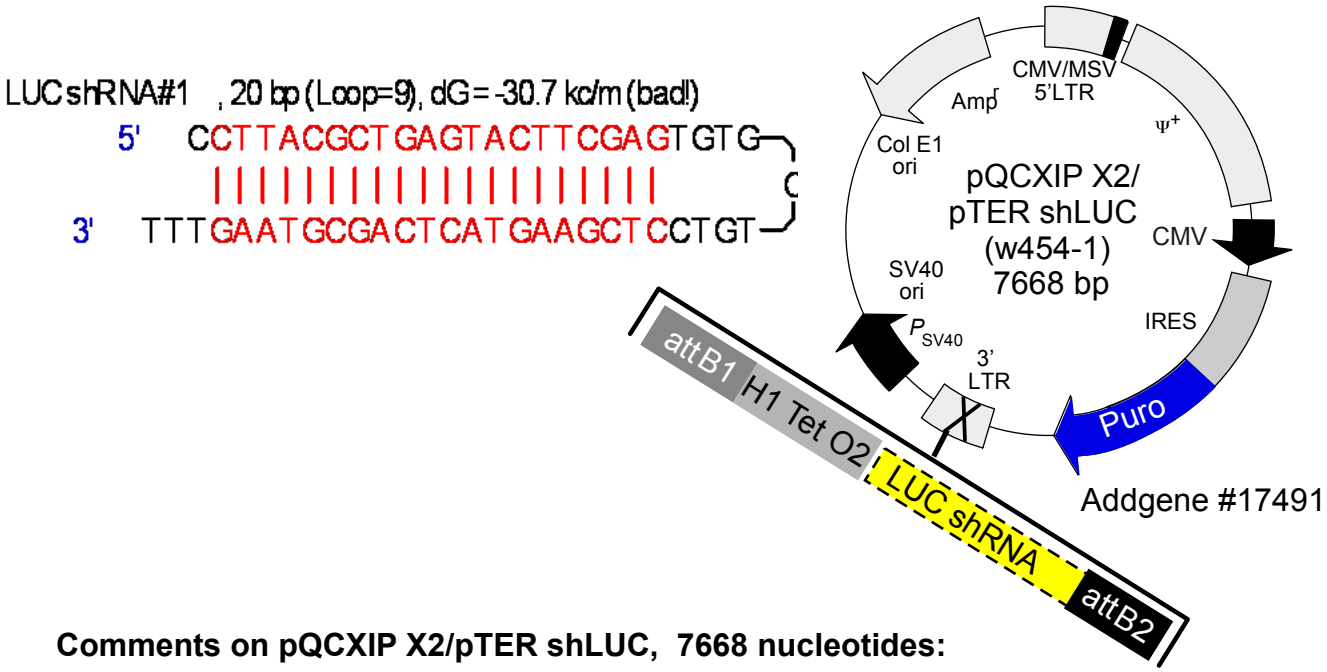


Comments on pQCXIP X2/pTER shLUC, 7668 nucleotides:

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
Puromycin resistance gene (Puro): 2895-3494
3’ MoMuLV LTR (deletion in U3): 3858-4799
attB2 site: bases 3934-3958
Firefly Luciferase (LUC) shRNA: bases 4088-4028
H1/TO promoter: bases 4309-4094
attB1:4351-4375
SV40 promoter: 5078-5345
SV40 ori: 5300-5366
Col E1 ori (Site of replication initiation):5687
Ampicillin resistance gene (reverse orientation):7306-6446

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

NOTE: The position of the genetic elements is approximative.

Eric Campeau November 2007