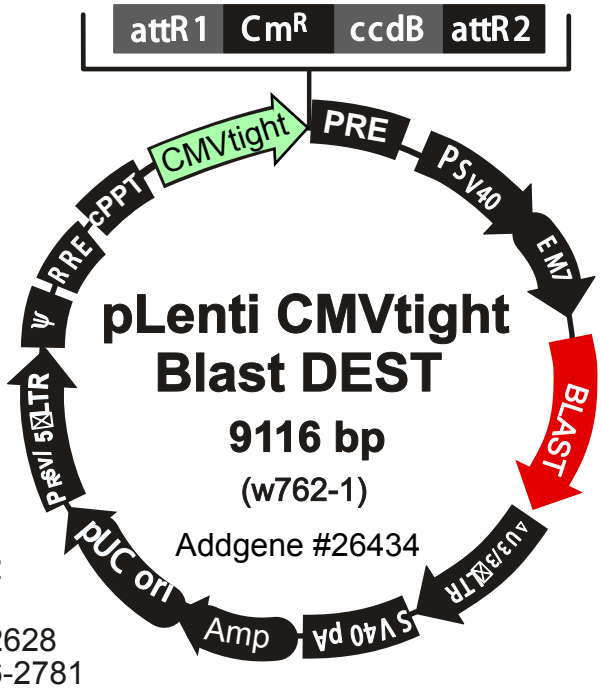


comments for pLenti CMVtight Blast DEST
9116 nucleotides

bla promoter: bases 32-131
ampicillin resistance gene: bases 132-982
pUC origin: bases 1138-1810
RSV/5'LTR hybrid promoter: bases 2218-2628
HIV-1 psi (ψ)packaging signal: bases 2736-2781
HIV-1 Rev response element (RRE): bases 3272-3525
3' splice acceptor: base 3862
3' splice acceptor: base 3901
Central polypurine tract (cPPT): bases 4011-4073
CMVtight promoter: bases 4160-4473
*att*R1 site: bases 4548-4673
Chloramphenicol resistance gene (Cm): bases 4782-5441
*ccd*B gene: bases 5783-6088
*att*R2 site: bases 6127-6254
Woodchuck post-transcriptional element (PRE): bases 6283-6876
SV40 early promoter and origin: bases 6924-7266
EM7 promoter: bases 7306-7371
Blasticidin resistance gene: bases 7372-7770
ΔU3/3'LTR: bases 7858-8091
SV40 polyadenylation signal: bases 8161-8315

Recommended *E.coli* strain for propagation: DB3.1 or ccDB survival' under ampicillin AND chloramphinecol selection.
The CMVtight promoter was a gift from Dominic Esposito (SAIC Frederick)

NOTE: The position of the genetic elements is approximative.

Eric Campeau June 2010