

Target

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	Paper Name	Reference	Lab Name	Distribute?	Resistance	Notes
GFP	pCIneoGFP	[1]	pCIneoEGFP	AddGene.org	amp	GFP in Promega pCIneo (uses CMV promoter). Superior to pfwB for some purposes
	pCDNA3-GFP	[1]	pCDNAf	yes	amp	GFP in Invitrogen pCDNA3.1
	pfwB	[2]	pfwB	AddGene.org	blast or zeo	GFP under control of EF1alpha promoter. Titer yield somewhat better than pYafw. No PV sequences.
	p8fwB	[3]	p8fwB	yes	blast or zeo	8 kb. IFN-β SAR stuffer DNA is compatible with packaging
	pEGFP-N1		pEGFP-N1	Clontech	kan	Small enough to package in polyomavirus-based reporter vectors
	pYafw	[4-6]	pYafw	yes	blast	GFP under control of EF1alpha promoter. Small enough for PyVs
RFP	p8RwB	[7]	p8RwB	yes	blast or zeo	dsRed-Express (Clontech) 8kb plasmid
	pRwB	[8]	pRwB	yes	blast or zeo	dsRed-Express (Clontech). Smaller (5.8kb) variant of p8RwB.
	ptwB	[7, 9]	ptwB	yes, Tsien MTA	blast or zeo	tandem dual tomato . Requires Roger Tsien MTA
	pCIR	[10]	pCIR	yes	amp	dsRed-Express in pCIneo
SEAP	pYSEAP	[11]	pYSEAP	AddGene.org	blast	
Luciferase	pCLucf	[8]	pCLucf	AddGene.org	amp	Firefly Luciferase under control of CMV promoter. Also encodes GFP under control of SV40 promoter.
	phGluc	[12]	phGluc	no*	zeo	Gaussia luciferase (secreted) under control of EF1alpha promoter. Suitable size for polyomavirus-based vectors
	pCGluc	[6]	pCGluc	no*	zeo	Gaussia luciferase (secreted) under control of CMV promoter. Suitable size for polyomavirus-based vectors
	phsNuc	[13]	phsNuc	ask	zeo	NanoLuc expression under control of EF1 promoter. Packageable.
	pcsNuc	[13]	pcsNuc	ask	kan	NanoLuc expression under control of CMV promoter. Packageable.
	pH2BN	[13]	pH2BN	ask	zeo	Histone H2B fused to NanoLuc – used to produce NanoLuc VLPs
	-					
CD4	pNaMB	[14]	pNaMB	yes	blast	This plasmid encodes tailless human CD4 (Mitenyi)
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Vaccine Antigen	pCMMf	[10]	pCMMf	yes	amp	RSV M-M2 fusion protein expression plasmid for vaccine studies. SV40-GFP cassette in backbone for titring
	pCRSVFmodF	[15]	pCRSVF(a)cmF (mod)	yes	amp	RSV F protein expression plasmid for vaccine studies. SV40-GFP cassette in backbone for titring

*This plasmid contains a Gaussia luciferase gene licensed through purchase of [pCMV-GLuc](#) from NEB. The license prevents us from distributing phGluc.

In our hands, Promega's new NanoLuc reporter has proven to be superior to Gaussia luciferase for many applications.

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14. Handisurya, A., et al., *Murine skin and vaginal mucosa are similarly susceptible to infection by pseudovirions of different papillomavirus classifications and species*. Virology, 2012. **433**(2): p. 385-94.
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