

Table S2. List of sequences of constructs.

NAME	SEQUENCE
GFP fusion protein	
GFP-L2-CPP	...EFVTAAGITLGMDELYK GIGSGSNGSSGS SPQYTIADAGDFYLHPSYYML RKRRKR
GFP-L2-6A	...EFVTAAGITLGMDELYK GIGSGSNGSSGS SPQYTIADAGDFYLHPSYYML AAAAAA
GFP-L2-3R	...EFVTAAGITLGMDELYK GIGSGSNGSSGS SPQYTIADAGDFYLHPSYYML RRR
CD8 fusion protein	
GFP11-CD8-CIMPR	MALPVTALLLPLALLLHAARP(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKSQFRV....
CD8-CIMPR-GFP11	...DDSEDELLHVGSSGSS(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGK
GFP11 fusion protein	
GFP11-16L2-16CPP	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLRKRRKR
GFP11-16L2-TatCPP	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLRRQRKKRRR
GFP11-16L2-6A	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLAAAAAA
GFP11-16L2-3R	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLRRR
GFP11-16L2-5CPP	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLRRKRKRK
GFP11-16L2-18CPP	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLKKRKR
GFP11-16L2-31CPP	...(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGITGGKFGIGSGS NGSSGS SPQYTIADAGDFYLHPSYYMLKRRRKR
GFP11-tagged PsV	
HPV16-GFP11-CPP	...FYLHPSYYML(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGIT GGKFRKRRKRLPYFFSDVSLAA
HPV16-CPP-GFP11	...YYMLRKRKRKRLPYFFSDVSLAADASGSSGSS(RDHMLHEYVNAAGIT GGSGG) ₆ RDHMLHEYVNAAGITGGKFPRL
HPV16-GFP11-3R	...FYLHPSYYML(RDHMLHEYVNAAGITGGSGG) ₆ RDHMLHEYVNAAGIT GGKFRRLPYFFSDVSLAA
HPV16-3R-GFP11	...YYMLRRRLPYFFSDVSLAADASGSSGSS(RDHMLHEYVNAAGIT GGSGG) ₆ RDHMLHEYVNAAGITGGKFPRL
HPV5-CPP-GFP11FYLHPSLRRRKRKRKYL DASGSSGSS(RDHMLHEYVNAAGIT GGSGG) ₆ RDHMLHEYVNAAGITGGKFPRL