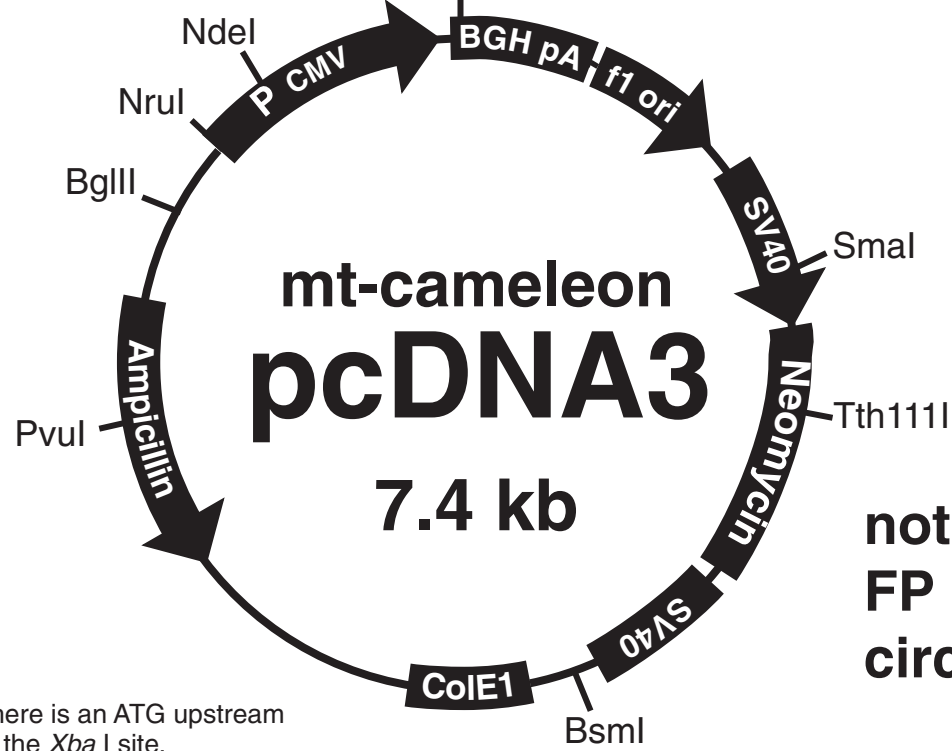
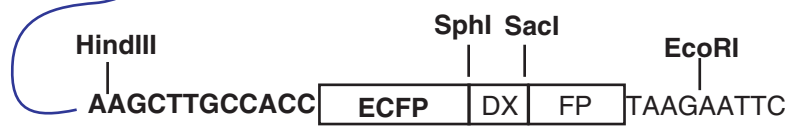
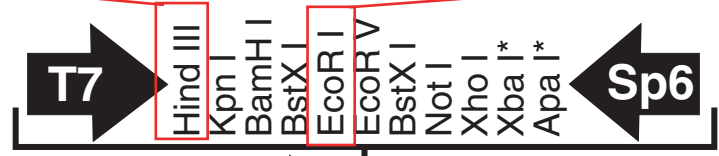


2mt signal sequence

MSVLTPLLLRGLTGSARRLPVPRAKIHSLGDPMSVLTPLLLRGLTGSARRLPVPRAKIHSLG

HindIII

AAGCTTATGTCCTGACGCCGCTGCTGCTGCGGGGCTTGACAGGCTCGGCCCGGCGGCTCCCAGTGCCGCGCGCCAAGATCCATTTCGTTGGGGGATCCC  
ATGTCCGTCCTGACGCCGCTGCTGCTGCGGGGCTTGACAGGCTCGGCCCGGCGGCTCCCAGTGCCGCGCGCCAAGATCCATTTCGTTGGGGAAGCTTGCCACC



pcDNA3 = 5.4 kb  
 cameleon = ~ 2 kb  
 2mt = ~ 100 bp

note that DX can be D2 or D3  
 FP can be citrine or circularly permuted Venus

\* There is an ATG upstream of the Xba I site.