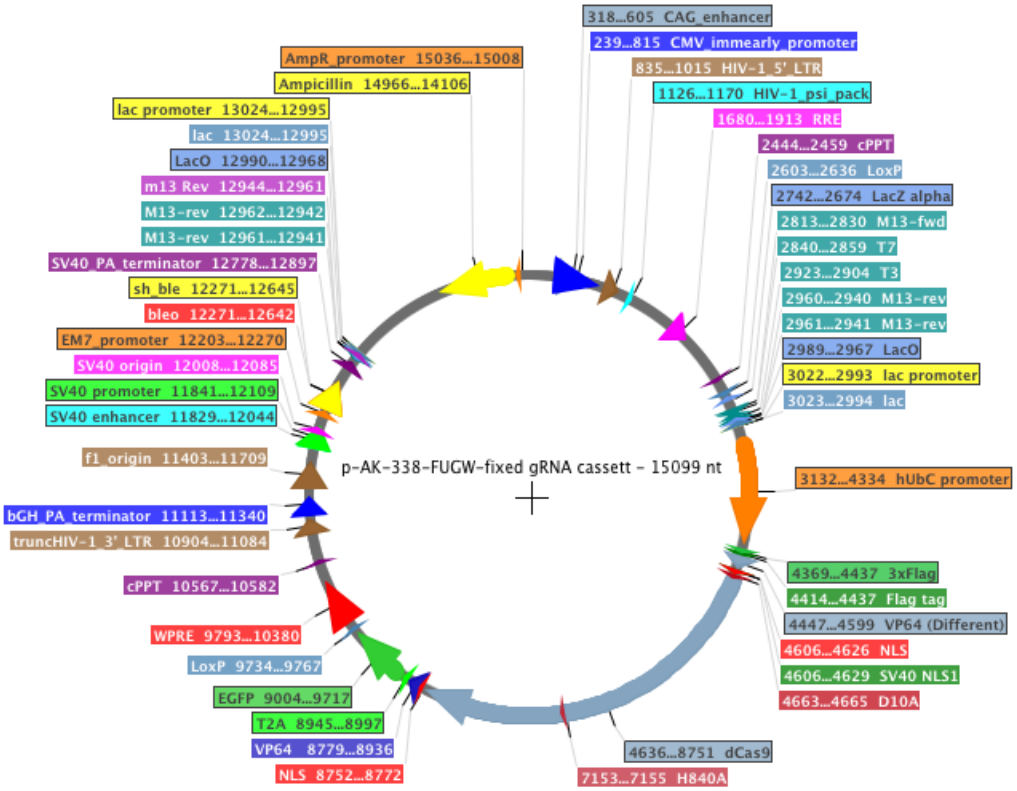
p-AK-338-FUGW-fixed gRNA cassett - 15099 nt
318...605 CAG enhancer
239...815 CMV immearly promoter
835...1015 HIV-1 5' LTR
1126...1170 HIV-1_psi_pack
1680...1913 RRE
2444...2459 cPPT
2603...2636 LoxP
2742...2674 LacZ alpha
2813...2830 M13-fwd
2840...2859 T7
2923...2904 T3
2960...2940 M13-rev
2961...2941 M13-rev
2989...2967 LacO
3022...2993 lac promoter
3023...2994 lac
3132...4334 hUbC promoter
4369...4437 3xFlag
4414...4437 Flag tag
4447...4599 VP64 (Different)
4606...4626 NLS
4606...4629 SV40 NLS1
4663...4665 D10A
4636...8751 dCas9
7153...7155 H840A
NLS 8752...8772
VP64 8779...8936
T2A 8945...8997
EGFP 9004...9717
LoxP 9734...9767
WPRE 9793...10380
cPPT 10567...10582
truncHIV-1 3' LTR 10904...11084
bGH PA terminator 11113...11340
f1 origin 11403...11709
SV40 enhancer 11829...12044
SV40 promoter 11841...12109
SV40 origin 12008...12085
EM7 promoter 12203...12270
bleo 12271...12642
sh ble 12271...12645
SV40 PA terminator 12778...12897
M13-rev 12961...12941
M13-rev 12962...12942
m13 Rev 12944...12961
LacO 12990...12968
lac 13024...12995
lac promoter 13024...12995
Ampicillin 14966...14106
AmpR promoter 15036...15008