

f1 origin: bases 2-457

Ampicillin resistance gene: bases 589-1449

pUC origin: bases 1594-2267 Tn7R: bases 2511-2735

Gentamicin resistance gene: bases 2802-3335 (complementary strand)

Polyhedrin promoter (P_{PH}): bases 3904-4032

Initiation ATG: bases 4050-4052 6xHis tag: bases 4062-4079

TEV recognition site: bases 4101-4121 Multiple cloning site: bases 4119-4222

SV40 polyadenylation signal: bases 4240-4480

Tn7L: bases 4509-4674

*Frameshift occurs at the BamH I site in each vector





	·	Start of Transcription	
	Polyhedrin promoter		
3901	TAGATCATGG AGATAATTAA AATGATAACC ATCTCGCAAA TAAATA	AAGTA	
	wild-type ATC	3 mutated to ATT	
3951	TTTTACTGTT TTCGTAACAG TTTTGTAATA AAAAAACCTA TAAATA	ATTCC	
4001	GGATTATTCA TACCGTCCCA CCATCGGGCG CGGATCTCGG TCCGA	AACC	
6xHis tag			
4050	ATG TCG TAC TAC CAT CAC CAT CAC CAT CAC GAT TAC GA	AT ATC	
	Met Ser Tyr Tyr His His His His His Asp Tyr As	sp Ile	
	TEV recognition site Ehe Nco Bam H		
4092	CCA ACG ACC GAA AAC CTG TAT TTT CAG GGC GCC ATG GA	AT CCG	
	Pro Thr Thr Glu Asn Leu Tyr Phe Gln Gly Ala Met As	sp Pro	
	TEV cleavage site	TEV cleavage site	
	EcoR I Stul Sall Sst I Spe I No	ot l	
4134	GAA TTC AAA GGC CTA CGT CGA CGA GCT CAA CTA GTG CC		
	Glu Phe Lys Gly Leu Arg Arg Arg Ala Glu Leu Val Ar	rg Pro	
	Nsp V Xba I Pst I Xho I Sph I	Kpn I Hind III	
4176	CTT TCG AAT CTA GAG CCT GCA GTC TCG AGG CAT GCG G		
	Leu Ser Asp Leu Glu Pro Ala Val Ser Arg His Ala Va	al Pro	
	SV40 polyadenylation signal		
4218	AGC TTG TCG AGA AGT ACT AGA GGA TCA TAA TCA GCCATA	ACCAC	
	Ser Leu Ser Arg Ser Thr Arg Gly Ser ***		