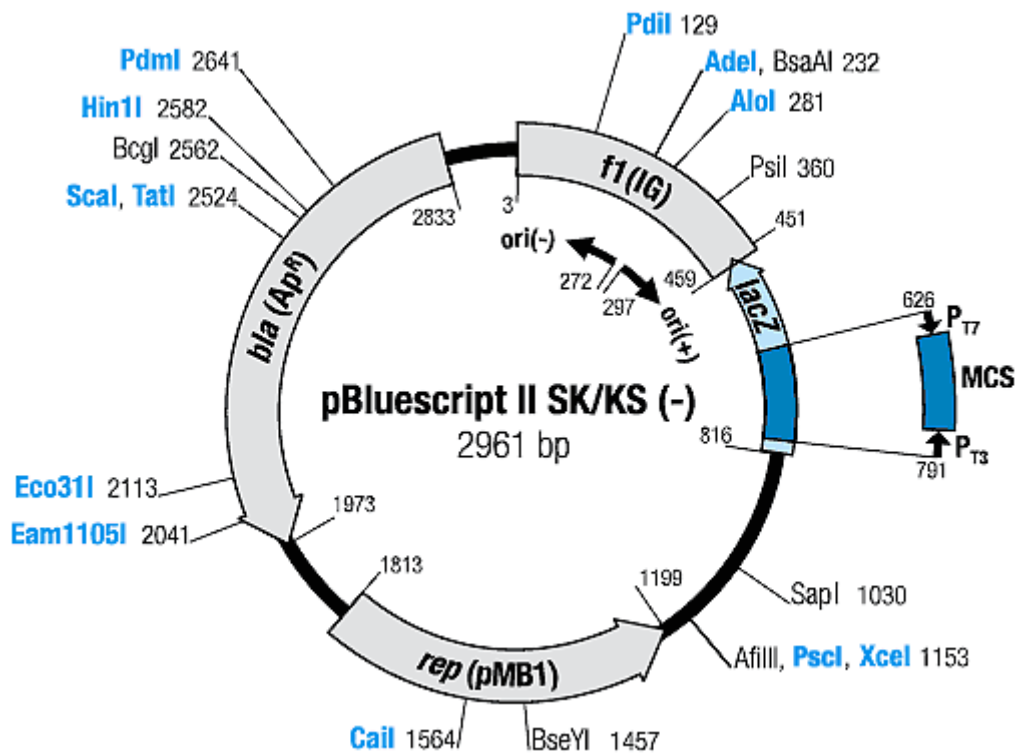


## Enzymes that cut pBluescript II SK(-) DNA once:

Acc65I 653, AdeI 232, AfIII 1153, AhoI 281, ApaI 659, BamHI 719, BcgI 2562, BcuI 725, BsaAI 232, BseYI 1457, Bsp120I 659, BstXI 744, Bsu15I 683, BtgI 747, CaiI 1564, Cfr9I 713, Cfr42I 747, Eam1105I 2041, Ecl136II 755, Eco31I 2113, Eco32I 695, Eco52I 738, Eco0109I 659, EcoRI 701, HinI 2582, HincII 674, HindIII 689, KpnI 653, NotI 737, Ohi 745, PdiI 129, PdmI 2641, PscI 1153, PsiI 360, PstI 707, SacI 755, SalI 674, SapI 1030, ScaI 2524, SmaI 713, TatI 2524, XbaI 731, XceI 1153, XhoI 668, XmiI 674.



M13/pUC sequencing primer (-20), 17-mer → T7 promoter T7 transcription start

5' G TAA AAC GAC GGC CAG TGA ATT GTA ATA CGA CTC ACT ATA GGG CGA ATT  
 3' C ATT TTG CTG CCG GTC ACT TAA CAT TAT GCT GAG TGA TAT CCC GCT TAA  
 LacZ ← Val Val Ala Leu Ser Asn Tyr Tyr Ser Glu Ser Tyr Pro Ser Asn

Eco0109I

653 KpnI Acc65I ApaI Bsp120I XhoI HincII SalI XmiI Bsu15I HindIII Eco32I EcoRI PstI Cfr9I SmaI BamHI BcuI XbaI Eco52I NotI BstXI Ohi Ecl136II SacI 760

CGG TAC CGG GCC CCC CCT CGA GGT CGA CGG TAT CGA TAA GCT TGA TAT CGA ATT CCT GCA GCC CGG GGG ATC CAC TAG TTC TAG AGC GGC CGC CGC CAC CGC GGT GGA GCT CCA  
 CCC ATG GCC CCG GGG GGA GCT CCA GCT GCC ATA GCT ATT CGA ACT ATA GCT TAA GGA CGT CGG GCC CCC TAG GTG ATC AAG ATC TCG CCG GCG GTG GCG CCA CCT CGA GGT  
 Pro Val Pro Gly Gly Arg Ser Thr Ser Pro Ile Ser Leu Ser Ser Ile Ser Asn Arg Cys Gly Pro Pro Asp Val Leu Glu Leu Ala Ala Ala Val Ala Thr Ser Ser Trip

GCT TTT GTT CCC TTT AGT GAG GGT TAA TTG CGC GCT TGG CGT AAT CAT GGT CAT AGC TGT TTC CTG 3'  
 CGA AAA CAA GGG AAA TCA CTC CCA ATT AAC GCG CGA ACC GCA TTA GTA CCA GTA TCG ACA AAG GAC 5'  
 T3 transcription start T3 promoter M13/pUC reverse sequencing primer (-26), 17-mer  
 Ser Lys Asn Gly Lys Thr Leu Thr Leu Glu Ser Ser Pro Thr Ile Met Thr Met