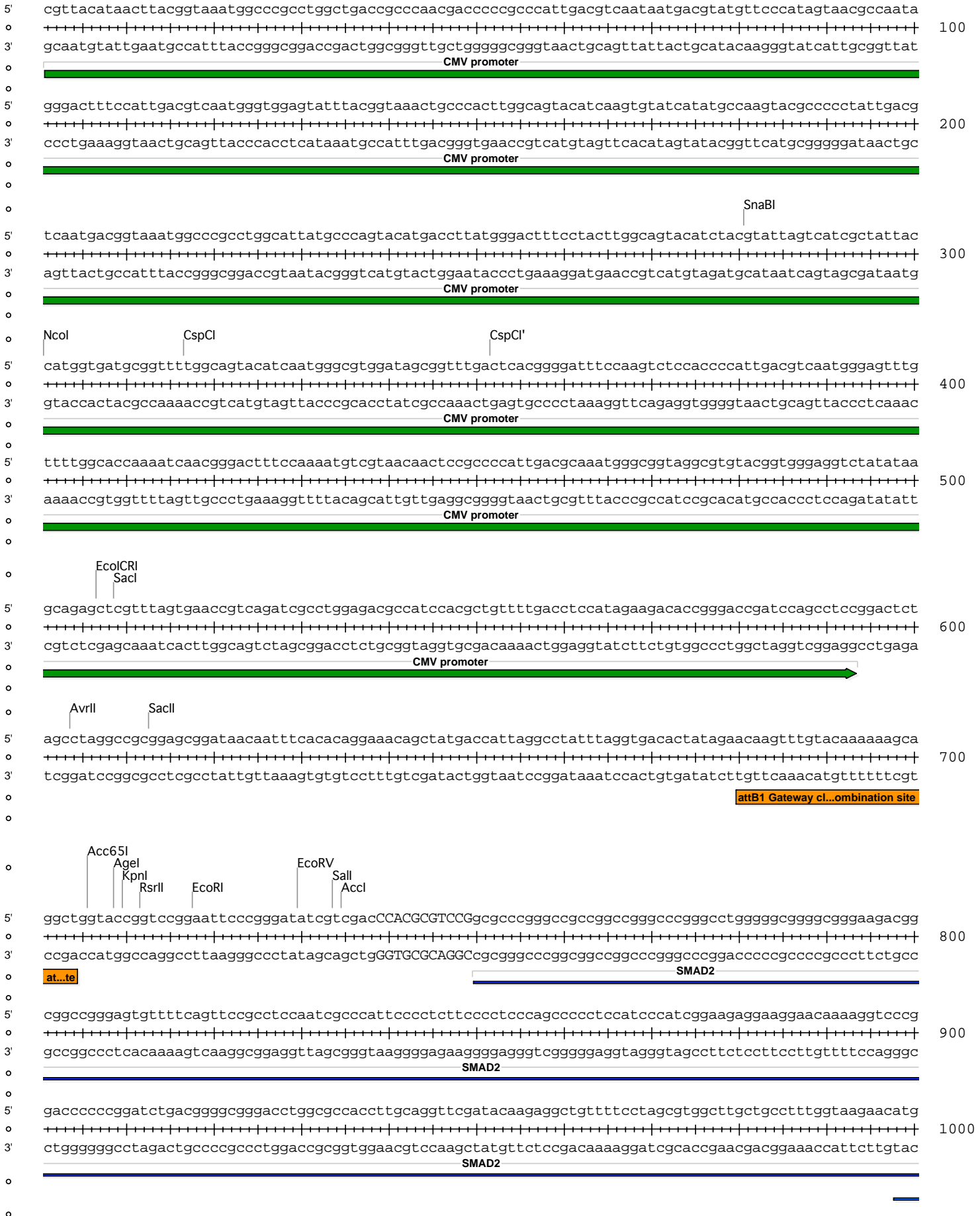


pCMV-SPORT6-SMAD2

Absent Sites	0	Aarl,AfeI,AfIII,AleI,AscI,AsiSI,BaeI,BaeI',BbvCI,BlpI,BmgBI,BsiWI,BssHII,BstBI,BstEII,BstXI,BstZ17I,Bsu36I,EcoNI,FseI,FspAI,MauBI,MreI,MscI,NruI,Pacl,PasI,PmeI,PmlI,PshAI,PsrI,PsrI',PstI,SanDI,SbfI,SfiI,SgrAI,SgrDI,SpeI,SphI,Swal,Tth1111,XcmI
AbsI	1	3058 (6680)
Acc65I	1	706 (6680)
AccI	1	735 (6680)
AgeI	1	709 (6680)
AhdI	1	5348 (6680)
ArsI	1	1502 (6680)
ArsI'	1	1534 (6680)
AvrII	1	604 (6680)
BamHI	1	2367 (6680)
BcgI	1	4844 (6680)
BcgI'	1	4810 (6680)
BclI	1	3451 (6680)
BglII	1	2146 (6680)
BmtI	1	3179 (6680)
Bpu10I	1	1934 (6680)
BsaBI	1	3456 (6680)
BsgI	1	2088 (6680)
BstAPI	1	6461 (6680)
Clal	1	3691 (6680)
CspCI	1	317 (6680)
CspCI'	1	352 (6680)
EcoCRI	1	507 (6680)
EcoRI	1	718 (6680)
EcoRV	1	730 (6680)
KpnI	1	710 (6680)
NcoI	1	301 (6680)
NheI	1	3175 (6680)
NotI	1	3039 (6680)
PspXI	1	3058 (6680)
PvuII	1	1062 (6680)
RsrII	1	712 (6680)
SacI	1	509 (6680)
SacII	1	613 (6680)
Sall	1	734 (6680)
SexAI	1	1320 (6680)
SnaBI	1	281 (6680)
XhoI	1	3058 (6680)

pCMV-SPORT6-SMAD2



pCMV-SPORT6-SMAD2

5' tttcaaattatttagaagcagatTTTTCTGTAGAAAactaTTTTTCTGCctttaccAAAAataactcttgggggaagAAAAAAAAAAAAAAAAAAAA
 3' aaagTTTaataaatcttCGTctaaaaggacatctTTTTgattaaaagacggAAAAtggtTTTTatttgagaacccccctctTTTTTTTTTTTTTTTTTT
 SMAD2

5' aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaGGGcggcgctctagagtatccctcgaggggccaagcttacgcgtaccagctttctgtacaaa
 3' tTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCcgccggcgagatctcataggagctccccgggttcgaatgcgcatgggtcgaaagaacatgTTT
 SMAD2 attB2 Gateway c...mbination site

5' gtggctccctatagtgagtcgtattataagctaggcactggcgcgttttacaacgctgctgactgggaaaactgctagcttgggatctttgtgaaggaac
 3' caccagggatatacctcagcataaatatcgatccgtgaccggcagcaaaatgtgagcactgaccctttgacgatcgaaccctagaacacttccttg
 att...ite

5' cttacttctgtgggtgacataaattggacaaactacctacagagatTTAAAGctctaaggtaaatataaaattTTTaaGTgataatgTgTtaaactagc
 3' gaatgaagacaccacactgtattaaacctgTTgATggatgTctctaaattCGagattccatttatattTTAAAattcacaTattacacaattgATcg
 5' tgcataTgcttGcttGcttGagagTtttGcttactGagTatgattatgaaaatatacacaggagctagTgattcTaatgTttGtTattttagatt
 3' acgtatacgaacgacgaactctcaaaacgaatgactcataactaaatactttataatgTgtcctcgatcactaagattaaacaaacataaaatctaa

5' cacagtccaaggctcatttcagggccctcagtcctcacagtctgttcATgatcataatcagccataccacatttGtagaggTttacttGcttTAAAA
 3' gtgtcagggttccgagtaaagtccggggagtcaggagTgtcagacaagtactagTattagTcggTatggTgTaaacatctccAAAatgaacgaaatTTT
 5' acctcccacacctcccctgaacctgaacataaaatgaatgcaattgTtGtTgTtaactTgtTatttGcagcttataatgTttacaaataagcaatag
 3' tggagggtgtggagggggacttggacttTgtattttacttacgttaacaacaacaattgaacaaataacgtcgaatattaccaatgTttatttcgttatc

5' catcacaatttcacaataaagcattTTTTtactgcattctagTtGtGgtTgtccAAactcatcaatgTatcttatcatgTctggatcgatcctgca
 3' gtagTgtTaaagTgttatttcGtaaaaaagTgacGtaagatcaacaccaaacaggTttgagTgTtacatagaatgTtacagacctagctaggacgt
 5' ttaatgaatcgccaaacgcgCGggagaggcggtttgcgtattggctggcGtaatagcgaagaggcccgaccgatcgcccttcccaacagTtgcgcagc
 3' aattacttagccggttgcgcgccccctctccgccaacgcataaccgaccgcattatcgcttctccggcgTggctagcgggaagggTgtcaacgcgctg

5' ctgaatggcgaatgggacgcgccccgtagcggcgcatTAAGcgcggcggtgTgTgTtacgcgcagcgtgaccgctacacttGCCagcgccttagcgc
 3' gacttacgcttacctgCGcgggacatcgccgctaattcgcgccccacaccacaaatgcgcgctcgactggcgatgTgaacggTcgcgggatcgcg
 f1 ori

5' ccgctccttctgctttctccctcctttctcgccacgttcgCGgctttcccgtcaagctctaaatcgggggctccctttagggTccgatttagTgc
 3' ggcgaggaaacgaaagaagggaaggaaagagcggTgcaagcggcgaaggggcagTtcgagatttagccccgagggaatcccaaggctaaatcagc
 f1 ori

5' tttacggcacctcgaccccaaaaacttgattagggTgagTgTtTcacgtagTggccatcgccctgatagacggTttttcgcccttTgacgtTggagTcc
 3' aaatgCCgtggagctgggTttttgaaactaatcccactaccaagTgcatcaccggtagcgggactatctgccaAAAagcgggaaactgcaacctcagg
 f1 ori

