



pCMV-SPORT6-SMAD5

Absent Sites	0	AarI,AfeI,AfII,AleI,Arsl,Arsl',Ascl,AsiSI,BaeI,BaeI',BamHI,BbeI,BbvCI,BmgBI,BsgI,BsiWI,BstBI,BstEII,BstXI,BstZ17I,Bsu36I,EcoNI,FseI,FspAI,KasI,MauBI,MreI,NarI,Pacl,PassI,PmeI,PmlI,PshAI,Psrl,Psrl',SanDI,SexAI,SfiI,SfoI,SgrAI,SgrDI,SphI,SrfI,Swal,Tth111I
AbsI	1	2822 (6444)
Acc65I	1	706 (6444)
AgeI	1	709 (6444)
AhdI	1	5112 (6444)
ApaI	1	2832 (6444)
AvrII	1	604 (6444)
BaI	1	2950 (6444)
BaI'	1	2982 (6444)
BbsI	1	575 (6444)
BcgI	1	4608 (6444)
BcgI'	1	4574 (6444)
BglII	1	1150 (6444)
BlnI	1	2108 (6444)
BsaBI	1	3220 (6444)
BsmBI	1	530 (6444)
BspMI	1	1161 (6444)
BssHII	1	753 (6444)
Clal	1	3455 (6444)
DrallI	1	3815 (6444)
EagI	1	2803 (6444)
EcoRV	1	730 (6444)
HpaI	1	3321 (6444)
KpnI	1	710 (6444)
MscI	1	955 (6444)
NotI	1	2803 (6444)
NruI	1	770 (6444)
PciI	1	6042 (6444)
PfoI	1	1116 (6444)
PpuMI	1	854 (6444)
PspOMI	1	2828 (6444)
PspXI	1	2822 (6444)
RsrII	1	712 (6444)
SacII	1	613 (6444)
SalI	1	734 (6444)
SbfI	1	1172 (6444)
Scal	1	4631 (6444)
SmaI	1	725 (6444)
SnaBI	1	281 (6444)
StuI	1	658 (6444)
XbaI	1	2810 (6444)
XcmI	1	1092 (6444)
XhoI	1	2822 (6444)
XmaI	1	723 (6444)

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 100
 3' gcaatgtattgaatgccatttaccgggcgaccgactggcgggtgctggggcggttaactgcagtattactgcatacaagggtatcattggcggttat
 CMV promoter

5' gggactttccattgacgtcaatgggtggagtatttacggtaaactgccacttggcagtagatcaagtgtatcatatgcccaagtagccccctattgacg
 200
 3' ccctgaaaggtaactgcagttaccacctcataaatgccatttgcgggtgaaccgtcatgtagttcacatagtagtatacgggttcatgccccgataactgc
 CMV promoter

5' tcaatgacggtaaatggcccgctggcattatgccagtagacacattgggactttcctacttggcagtagatctacgtattagtcacgctattac
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 3' agttactgccatttaccgggcgaccgtaatacgggtcatgtactggaataccctgaaaggatgaaccgtcatgtagatgcataatcagtagcgataatg
 CMV promoter

5' catggtgatgcccgttttggcagtagatcaatggcggtagcgggttggactcacgggatttccaagtctccacccattgacgtcaatgggagttg
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 3' gtaccactacgcaaaaccgtcatgtagttaccgcacctatcgcaaaactgagtgcccctaaagggtcagaggtggggaactgcagttaccctcaac
 CMV promoter

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 CMV promoter

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3' gacctttggtccactactcctcctctttaccgctctttccgtaactacgaaaccacttctttgatTTTTCTTTTCCCACGGTACCTCCTTGACTC

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3' ttccggaactcgtcaggtcctgtcggctcatttacacagtgataaagggtctagaaatctacctgcggaactccaagagtgctttccgaaatggggtac

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BalI

BalI'

BsaBI

HpaI

Clal

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f1 ori

f1 ori

DrallI

f1 ori

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