

# pTYB11 DNA: Location of Sites

Acc65I	1	4985		
ApaI	1	3891		
BaeI	1	4985		
BlpI	1	6623		
BmtI	1	5792		
BspEI	1	6701		
BspQI	1	6504		
BssHII	1	3687		
BstBI	1	6325		
BstEII	1	3916		
BstZ17I	1	2480		
DraIII	1	1319		
EcoNI	1	4562		
EcoRI	1	6539		
KpnI	1	4985		
MfeI	1	5849		
MluI	1	4098		
MscI	1	5953		
NcoI	1	5956		
NheI	1	5792		
NotI	1	6531		
NruI	1	6518		
PaeR7I	1	6545		
PciI	1	2310		
PmlI	1	6378		
PsiI	1	1194		
PspOMI	1	3891		
PspXI	1	6544		
PstI	1	6560		
SacII	1	6388		
SallI	1	6524		
SapI	1	6504		
SgrAI	1	4778		
SmaI	1	6551		
SpeI	1	6512		
SphI	1	4627		
StuI	1	6353		
SwaI	1	1096		
TliI	1	6545		
TspMI	1	6551		
XbaI	1	4886		
XhoI	1	6545		
XmaI	1	6551		
AcuI	2	240	1783	
AfeI	2	3194	4695	
AhdI	2	922	5847	
AleI	2	5147	6378	
AlwNI	2	1896	6234	
BamHI	2	6479	6571	
BclI	2	4084	6460	
BfuAI	2	5821	6238	
BglII	2	4820	5458	
Bpu10I	2	6015	6242	
BsaI	2	855	7199	
BsmBI	2	2602	3489	
BspMI	2	5821	6238	
BsrGI	2	5112	6493	
BstAPI	2	4416	6233	
DraI	2	347	1097	
EagI	2	3030	6532	
EcoRV	2	3650	6705	
FspI	2	702	7004	
HindIII	2	5427	6861	
HpaI	2	3594	6227	
PflFI	2	2504	6032	
PfIMI	2	4517	5206	
PshAI	2	3253	5156	
PvuI	2	555	6984	
ScaI	2	444	5590	
Tth111I	2	2504	6032	
XmnI	2	5412	6086	
AccI	3	2480	6061	6524
AvaI	3	1213	6545	6551
BglI	3	803	3035	7010
BsaBI	3	4815	4821	6455
BsaXI	3	1268	3438	5504
BsoBI	3	1213	6545	6551
BspHI	3	87	1590	4700
BstXI	3	4045	4168	4297
BtgI	3	4661	5956	6388
BtgZI	3	1310	3728	4328
EcoO109I	3	4665	5374	6650

There are no restriction sites for the following enzymes:

AarI(x), AatII, AflII, AgeI, AscI, AsiSI, AvrII, BbvCI, BmgBI, BseRI, BsiWI, BsmI, BspDI, Bsu36I, ClaI, CspCI, FseI, FspAI(x), I-CeuI, I-SceI, NdeI, NsiI, PI-PspI, PI-SceI, PacI, PmeI, PpuMI, RsrII, SacI, SanDI(x), SbfI, SexAI, SfiI, SnaBI, SrfI(x), ZraI

(x) = enzyme not available from NEB

**Intein Forward Primer** →  
 ...CCCGCCGCTGCTTTTGCACGTGAGTGCC...GAAGACGATTATTATGGGATTACTTTATCTGATGATTCTGATCATCAGTTTTTGTGGATCCCAG  
 6380 6440 6460 6480

**Sce VMA Intein** ↓  
**pTYB11 MCS**  
 GTTGTGTACAGAAC AGAAGAGCTACTAGTTCGCGAGTCGACGGCGCCGGAATTCCTCGAGCCCGGTGACTGCAG...  
 V V V Q N R R A T S S R V D G G R E F L E P G \*

**pTYB12 MCS**  
 BsmI ↓ NdeI SpeI NruI SalI NotI EcoRI XhoI SmaI PstI  
 GTTGTGTACAGAAT GCTGGTCATATGACTAGTTCGCGAGTCGACGGCGCCGGAATTCCTCGAGCCCGGTGACTGCAG...  
 V V V Q N A G H M T S S R V D G G R E F L E P G \*