

## pMAL™-p4X DNA: Location of Sites

AhdI	1	4274	
ApaI	1	638	
AvaI	1	2746	
BamHI	1	2776	
BglII	1	1962	
BlpI	1	2388	
BmgBI	1	2143	
Bpu10I	1	6556	
BsiWI	1	1893	
BsmI	1	2217	
BsoBI	1	2746	
BspQI	1	5784	
BstEII	1	612	
BstZ17I	1	5893	
DraIII	1	4671	
EcoRI	1	2770	
EcoRV	1	879	
FspAI (x)	1	6682	
HindIII	1	2802	
HpaI	1	935	
KasI	1	1070	
MluI	1	431	
MscI	1	6693	
NaeI	1	4777	
NarI	1	1070	
NdeI	1	1525	
NgoMIV	1	4777	
PciI	1	5662	
PflFI	1	5917	
PflMI	1	7	
PspOMI	1	638	
PstI	1	2794	
SacI	1	2709	
SacII	1	2548	
SalI	1	2788	
SapI	1	5784	
SbfI	1	2793	
ScaI	1	3796	
SfoI	1	1070	
SwaI	1	4448	
Tth111I	1	5917	
XbaI	1	2782	
XmnI	1	2759	
AccI	2	2788	5893
AfeI	2	2511	6410
AflIII	2	431	5662
AlwNI	2	2243	5248
BclI	2	445	2645
BglI	2	2951	4155
BsaAI	2	4674	5912
BsaBI	2	2274	6465
BsaXI	2	1086	4620
BsmBI	2	1040	6015
BsmFI	2	3079	6377
BspEI	2	1722	6473
BspHI	2	3439	4942
BssHII	2	842	2039
BstAPI	2	108	2242
DraI	2	3699	4449
EcoO109I	2	6656	6698
PpuMI	2	6656	6698
PsiI	2	1953	4546
TatI (x)	2	3796	5858

BanII	3	638	2709	4747
BbsI	3	570	909	6537
BcgI	3	734	3752	6068
BsaI	3	1660	3140	4207
BsrFI	3	117	4194	4777
BssSI	3	1496	3610	5489
BtgI	3	2290	2548	6690
DrdI	3	4625	5554	5969
FspI	3	2945	4054	6683
NmeAIII	3	656	1593	4151
NspI	3	5662	6029	6321
PvuI	3	1925	2925	3907
XcmI	3	280	796	814

AcuI	4	1667	2515	3592	5135
AseI	4	1115	1174	1412	4103
BciVI	4	894	1872	3431	5453
BfuAI	4	1294	2054	2395	2792
BpmI	4	284	737	4189	6156
BseYI	4	830	965	2499	5358
BspMI	4	1294	2054	2395	2792
BsrDI	4	479	837	4038	4220
BstXI	4	226	355	478	1981
MmeI	4	2302	4628	5288	5472
PvuII	4	1029	1122	2895	6073
SspI	4	1387	3472	4445	4466
TfiI	4	1110	5688	6109	6613

BanI	5	351	1070	2503	4326	4713
BpuEI	5	1326	3654	5017	5294	5556
BsaHI	5	387	1070	1257	3318	3738
BsrBI	5	1446	3270	3435	4818	5731
BtsI	5	797	1157	1307	3853	3881
EaeI	5	1105	2077	2813	3886	6693
SfcI	5	2794	4033	4895	5206	5397
SmlI	5	1326	3654	5017	5294	5556

AccI	6	92	3281	3676	4049	4460
		6338				
ApaLI	6	411	1241	1544	3607	5348
		5848				
BfaI	6	2783	4086	4827	4916	5169
		6650				
BmrI	6	347	584	2837	3204	4229
		5918				
BsgI	6	297	497	1234	1292	6102
		6487				
HincII	6	935	1405	2191	2360	2788
		3735				

There are no restriction sites for the following enzymes:

AarI (x), AatII, Acc65I, AflII, AgeI, AleI, AscI, AsiSI, AvrII, BaeI, BbvCI, BmtI, BseRI, BspDI, BsrGI, BstBI, Bsu36I, ClaI, CspCI, EagI, EcoNI, FseI, I-CeuI, I-SceI, KpnI, MfeI, NcoI, NheI, NotI, NruI, NsiI, PI-PspI, PI-SceI, PacI, PaeR7I, PmeI, PmlI, PshAI, PspXI, RsrII, SanDI (x), SexAI, SfiI, SgrAI, SmaI, SnaBI, SpeI, SphI, SrfI (x), StuI, StyI, TliI, TspMI, XhoI, XmaI, ZraI

(x) = enzyme not available from NEB