

pMLB-pmiR Full-length Sequence

GAATTGGCCGGCCACTACCGCGTGTAGTCTTATGCAATACTCTTGTAGTCTTGAACATGGTAACGATGAGTTAGCAACATGCCTTACAAG
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 AGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAAATAGGCGTATCACGAGGCCCTTTCGTTCAA

0 Cutters

#	Enzyme	Specificity
1	AgeI	A CCGG↓T
2	Apal	G↓GGCC C
3	Ascl	GG↓CGCG↓CC
4	AsiSI	GCG↓AT↓CGC
5	AvrII	C CTAG↓G
6	BclI	T↓GATC↓A
7	BlpI	GC↓TNA↓GC
8	BmgBI	CAC↓GTC
9	BmtI	G↓CTAG C
10	BsiWI	C↓GTAC↓G
11	BsrGI	T↓GTAC↓A
12	BstBI	TT↓CG↓AA
13	BstEII	G↓GTNAC↓C
14	BstXI	CCAN↓NNNN NTGG
15	Bsu36I	CC↓TNA↓GG
16	DrallI	CAC↓NNN↓GTG
17	EcoRI	G↓AATT↓C
18	EcoRV	GAT↓ATC
19	NheI	G↓CTAG↓C
20	NsiI	A↓TGCA T

21	PaeR7I	C↓TCGA↓G
22	PmlI	CAC↓GTG
23	PspOMI	G↓GGCC↓C
24	PspXI	VC↓TCGA↓GB
25	RsrII	CG↓GWC↓CG
26	Sall	G↓TCGA↓C
27	Sbfl	CC↓TGCA↓GG
28	SexAI	A↓CCWGG↓T
29	SgrAI	CR↓CCGG↓YG
30	SmaI	CCC↓GGG
31	SnaBI	TAC↓GTA
32	SpeI	A↓CTAG↓T
33	SrfI	GCCC↓GGGC
34	Swal	ATTT↓AAAT
35	TspMI	C↓CCGG↓G
36	XcmI	CCANNNN↓N NNNNTGG
37	XhoI	C↓TCGA↓G
38	XmaI	C↓CCGG↓G

1 Cutters

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	Acc65I	G↓GTAC↓C	list	*2347/2351
2	AhdI	GACNN↓N NNGTC	list	6638/6637
3	AleI	CACNN↓NNGTG	list	1365
4	BamHI	G↓GATC↓C	list	2627/2631
5	BbvCI	CC↓TCA↓GC	list	1213/1216
6	BfuAI	ACCTGCNNNN↓NNNN↓	list	4326/4330

7	BsaXI	▲NNN (N) ₉ AC(N) ₅ CTCC(N) ₇ ▲NNN	list	1605/1602+1635/1632
8	BsmBI	CGTCTCN NNNN▲	list	*5388/5392
9	BspDI	AT CG▲AT	list	*1937/1939
10	BspEI	T CCGG▲A	list	*#4936/4940
11	BspMI	ACCTGCNNNN NNNN▲	list	4326/4330
12	BssHII	G CGCG▲C	list	*504/508
13	BstZ17I	GTA▲TAC	list	5518
14	Clal	AT CG▲AT	list	*1937/1939
15	CspCI	▲NN (N) ₁₁ CAA(N) ₅ GTGG(N) ₁₀ ▲NN	list	1957/1955+1992/1990
16	EcoNI	CCTNN N▲NNAGG	list	959/960
17	FseI	GG▲CCGG CC	list	*11/7
18	HpaI	GTT▲AAC	list	1815
19	KpnI	G▲GTAC C	list	2351/2347
20	MfeI	C AATT▲G	list	978/982
21	MluI	A CGCG▲T	list	*2613/2617
22	NcoI	C CATG▲G	list	3828/3832
23	NotI	GC GGCC▲GC	list	*2620/2624
24	PacI	TTA▲AT TAA	list	2649/2647
25	PciI	A CATG▲T	list	5745/5749
26	PfiFI	GACN N▲NGTC	list	5492/5493
27	PmeI	GTTT▲AAAC	list	2342
28	PshAI	GACNN▲NNGTC	list	*3988
29	PstI	C▲TGCA G	list	6883/6879
30	Scal	AGT▲ACT	list	7118
31	SfiI	GGCCN▲NN NGGCC	list	*3874/3871
32	SphI	G▲CATG C	list	113/109
33	SspI	AAT▲ATT	list	7442
34	StuI	AGG▲CCT	list	3920
35	Tth111I	GACN N▲NGTC	list	5492/5493
36	XbaI	T CTAG▲A	list	2639/2643