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 GATTTTATTTAGTCTCCAGAAAAAGGGGGAA

## Zero-Cutters

#	Enzyme	Specificity
1	<i>AgeI</i>	A <sup>▼</sup> CCGG <sup>▲</sup> T
2	<i>AleI</i>	CACNN <sup>▼</sup> NNGTG
3	<i>ApaI</i>	G <sup>▲</sup> GGCC <sup>▼</sup> C
4	<i>AsiSI</i>	GCG <sup>▲</sup> AT <sup>▼</sup> CGC
5	<i>AvrII</i>	C <sup>▼</sup> CTAG <sup>▲</sup> G
6	<i>BamHI</i>	G <sup>▼</sup> GATC <sup>▲</sup> C
7	<i>BclI</i>	T <sup>▼</sup> GATC <sup>▲</sup> A
8	<i>BfuAI</i>	ACCTGCNNNN <sup>▼</sup> NNNN <sup>▲</sup>
9	<i>BglII</i>	A <sup>▼</sup> GATC <sup>▲</sup> T
10	<i>BlpI</i>	GC <sup>▼</sup> TNA <sup>▲</sup> GC
11	<i>BsmI</i>	GAATG <sup>▲</sup> CN <sup>▼</sup>
12	<i>BspMI</i>	ACCTGCNNNN <sup>▼</sup> NNNN <sup>▲</sup>
13	<i>BstBI</i>	TT <sup>▼</sup> CG <sup>▲</sup> AA
14	<i>BtgZI</i>	GCGATG(N) <sub>10</sub> <sup>▼</sup> NNNN <sup>▲</sup>
15	<i>DrallI</i>	CAC <sup>▲</sup> NNN <sup>▼</sup> GTG
16	<i>FseI</i>	GG <sup>▲</sup> CCGG <sup>▼</sup> CC
17	<i>HpaI</i>	GTT <sup>▼</sup> AAC
18	<i>MfeI</i>	C <sup>▼</sup> AATT <sup>▲</sup> G

19	<i>NotI</i>	GC <sup>▼</sup> GGCC <sup>▲</sup> GC
20	<i>NsiI</i>	A <sup>▲</sup> TGCA <sup>▼</sup> T
21	<i>PaeR7I</i>	C <sup>▼</sup> TCGA <sup>▲</sup> G
22	<i>PfI</i>	CCAN <sup>▲</sup> NNN <sup>▼</sup> NTGG
23	<i>PmlI</i>	CAC <sup>▼</sup> GTG
24	<i>PshAI</i>	GACNN <sup>▼</sup> NNGTC
25	<i>PsiI</i>	TTA <sup>▼</sup> TAA
26	<i>PspOMI</i>	G <sup>▼</sup> GGCC <sup>▲</sup> C
27	<i>PspXI</i>	VC <sup>▼</sup> TCGA <sup>▲</sup> GB
28	<i>RsrII</i>	CG <sup>▼</sup> GWC <sup>▲</sup> CG
29	<i>SacII</i>	CC <sup>▲</sup> GC <sup>▼</sup> GG
30	<i>Sall</i>	G <sup>▼</sup> TCGA <sup>▲</sup> C
31	<i>Sbfl</i>	CC <sup>▲</sup> TGCA <sup>▼</sup> GG
32	<i>SfiI</i>	GGCCN <sup>▲</sup> NNN <sup>▼</sup> NGGCC
33	<i>SnaBI</i>	TAC <sup>▼</sup> GTA
34	<i>StuI</i>	AGG <sup>▼</sup> CCT
35	<i>Swal</i>	ATTT <sup>▼</sup> AAAT
36	<i>XcmI</i>	CCANNNN <sup>▲</sup> N <sup>▼</sup> NNNNTGG
37	<i>XhoI</i>	C <sup>▼</sup> TCGA <sup>▲</sup> G

## One-Cutters

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	BbsI	GAAGACNN NNNN $\blacktriangle$	<a href="#">list</a>	1496/1500
2	BmgBI	CAC $\blacktriangle$ GTC	<a href="#">list</a>	*2507
3	BsaAI	YAC $\blacktriangle$ GTR	<a href="#">list</a>	*1967
4	BsgI	GTGAG(N) <sub>14</sub> $\blacktriangle$ NN	<a href="#">list</a>	1598/1596
5	BsiWI	C GTAC $\blacktriangle$ G	<a href="#">list</a>	*2960/2964
6	BspDI	AT CG $\blacktriangle$ AT	<a href="#">list</a>	*1819/1821
7	BspEI	T CCGG $\blacktriangle$ A	<a href="#">list</a>	*#1835/1839
8	BstEII	G GTNAC $\blacktriangle$ C	<a href="#">list</a>	1086/1091
9	BstXI	CCAN $\blacktriangle$ NNNN NTGG	<a href="#">list</a>	2590/2586
10	BstZ171	GTA $\blacktriangle$ TAC	<a href="#">list</a>	2137
11	Clal	AT CG $\blacktriangle$ AT	<a href="#">list</a>	*1819/1821
12	CspCI	$\blacktriangle$ NN (N) <sub>11</sub> CAA(N) <sub>5</sub> GTGG(N) <sub>1</sub> 0 $\blacktriangle$ NN	<a href="#">list</a>	1428/1426+1463/1461
13	EcoRI	G AATT $\blacktriangle$ C	<a href="#">list</a>	2096/2100
14	HindIII	A AGCT $\blacktriangle$ T	<a href="#">list</a>	2740/2744

15	MluI	A CCGG $\blacktriangle$ T	<a href="#">list</a>	*2979/2983
16	NcoI	C CATG $\blacktriangle$ G	<a href="#">list</a>	1409/1413
17	NruI	TCG $\blacktriangle$ CGA	<a href="#">list</a>	*#1642
18	PciI	A CATG $\blacktriangle$ T	<a href="#">list</a>	4061/4065
19	PmeI	GTTT $\blacktriangle$ AAAC	<a href="#">list</a>	1813
20	Scal	AGT $\blacktriangle$ ACT	<a href="#">list</a>	5434
21	SexAI	A CCWGG $\blacktriangle$ T	<a href="#">list</a>	#1214/1219
22	SgrAI	CR CCGG $\blacktriangle$ YG	<a href="#">list</a>	*6497/6501
23	SpeI	A CTAG $\blacktriangle$ T	<a href="#">list</a>	659/663
24	SphI	G $\blacktriangle$ CATG C	<a href="#">list</a>	6349/6345
25	SrfI	GCCC $\blacktriangle$ GGGC	<a href="#">list</a>	*2473