



## pSEH361 Full-Length Sequence

TGAAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAAGTAACGCCATTTTTCGAAGGCATGGAAAAATACATAACTGAGAATAGAG  
AAGTTAGATCAAGGTTAGGAAACAGAGAGACAGCAGAAATATGGGCCAAAACAGGATATCTGTGGTAAGCAGTTTCTCCCGGCTCAG  
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 CGGCATATAGGCGCCAGCAACCGCACCTGTGGCGCCGGTGTGCGGCCACGATGCGTCCGGCGTAGAGGCGATTAGTCCAATT  
 TGTAAAGACAGGATATCAGTGGTCCAGGCTCTAGTTTGTACTCAACAATATACCAGCTGAAGCCTATAGAGTACGAGCCATAG  
 ATAAAAATAAAGATTTTATTTAGTCTCCAGAAAAAGGGGGAA

## Zero Cutters in pSEH361

#	Enzyme	Specificity
1	AgeI	A CCGG↓T
2	AleI	CACNN↓NNGTG
3	BbsI	GAAGACNN↓NNNN↓
4	BclI	T↓GATC↓A
5	BlpI	GC TNA↓GC
6	BmgBI	CAC↓GTC
7	BsaBI	GATNN↓NNATC
8	BsgI	GTGAG(N) <sub>14</sub> ↓NN
9	BsmI	GAATG↓CN↓
10	BstBI	TT↓CG↓AA
11	BstXI	CCAN↓NNNN↓NTGG
12	BstZ17I	GTA↓TAC
13	CspCI	↓NN (N) <sub>11</sub> CAA(N) <sub>5</sub> GTGG(N) <sub>10</sub> ↓NN↓
14	FseI	GG↓CCGG↓CC
15	HindIII	A AGCT↓T
16	HpaI	GTT↓AAC
17	MfeI	C AATT↓G
18	NotI	GC GGCC↓GC
19	NruI	TCG↓CGA
20	PflMI	CCAN↓NNN↓NTGG
21	PmlI	CAC↓GTG
22	PspXI	VC TCGA↓GB

23	SbfI	CC↓TGCA GG
24	SfiI	GGCCN↓NNN NGGCC
25	SnaBI	TAC↓GTA
26	SrfI	GCCC↓GGGC
27	StuI	AGG↓CCT
28	Swal	ATTT↓AAAT
29	XcmI	CCANNNN↓N NNNNTGG

## One-Cutters in pSEH361

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	AccI	GT↓MK↓AC	<a href="#">list</a>	*3691/3693
2	AsiSI	GCG↓AT↓CGC	<a href="#">list</a>	*1788/1786
3	AvrII	C↓CTAG↓G	<a href="#">list</a>	3923/3927
4	BamHI	G↓GATC↓C	<a href="#">list</a>	2716/2720
5	BfuAI	ACCTGCNNNN↓NNNN↓	<a href="#">list</a>	1737/1741
6	BglII	A↓GATC↓T	<a href="#">list</a>	3200/3204
7	BsiWI	C↓GTAC↓G	<a href="#">list</a>	*2941/2945
8	BspDI	AT↓CG↓AT	<a href="#">list</a>	*2723/2725
9	BspMI	ACCTGCNNNN↓NNNN↓	<a href="#">list</a>	1737/1741
10	BsrGI	T↓GTAC↓A	<a href="#">list</a>	1281/1285
11	BstEII	G↓GTNAC↓C	<a href="#">list</a>	1086/1091
12	BtgZI	GCGATG(N) <sub>10</sub> ↓NNNN↓	<a href="#">list</a>	*2096/2100
13	Clal	AT↓CG↓AT	<a href="#">list</a>	*2723/2725
14	MluI	A↓CGCG↓T	<a href="#">list</a>	*3684/3688
15	NsiI	A↓TGCA↓T	<a href="#">list</a>	1413/1409
16	PacI	TTA↓AT↓TAA	<a href="#">list</a>	3980/3978
17	PaeR7I	C↓TCGA↓G	<a href="#">list</a>	*3206/3210
18	PciI	A↓CATG↓T	<a href="#">list</a>	5052/5056
19	PmeI	GTTT↓AAAC	<a href="#">list</a>	2440
20	RsrII	CG↓GWC↓CG	<a href="#">list</a>	*1832/1835
21	SacII	CC↓GC↓GG	<a href="#">list</a>	*2204/2202
22	SalI	G↓TCGA↓C	<a href="#">list</a>	*3690/3694
23	SexAI	A↓CCWGG↓T	<a href="#">list</a>	#1214/1219
24	SgrAI	CR↓CCGG↓YG	<a href="#">list</a>	*7488/7492
25	SpeI	A↓CTAG↓T	<a href="#">list</a>	659/663
26	SphI	G↓CATG↓C	<a href="#">list</a>	7340/7336
27	XhoI	C↓TCGA↓G	<a href="#">list</a>	*3206/3210