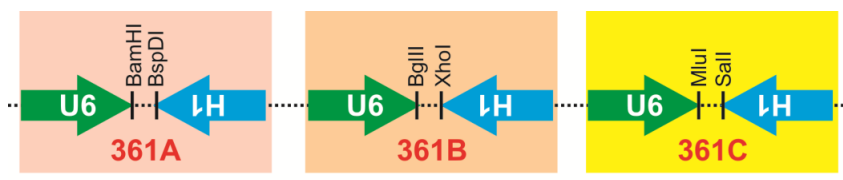
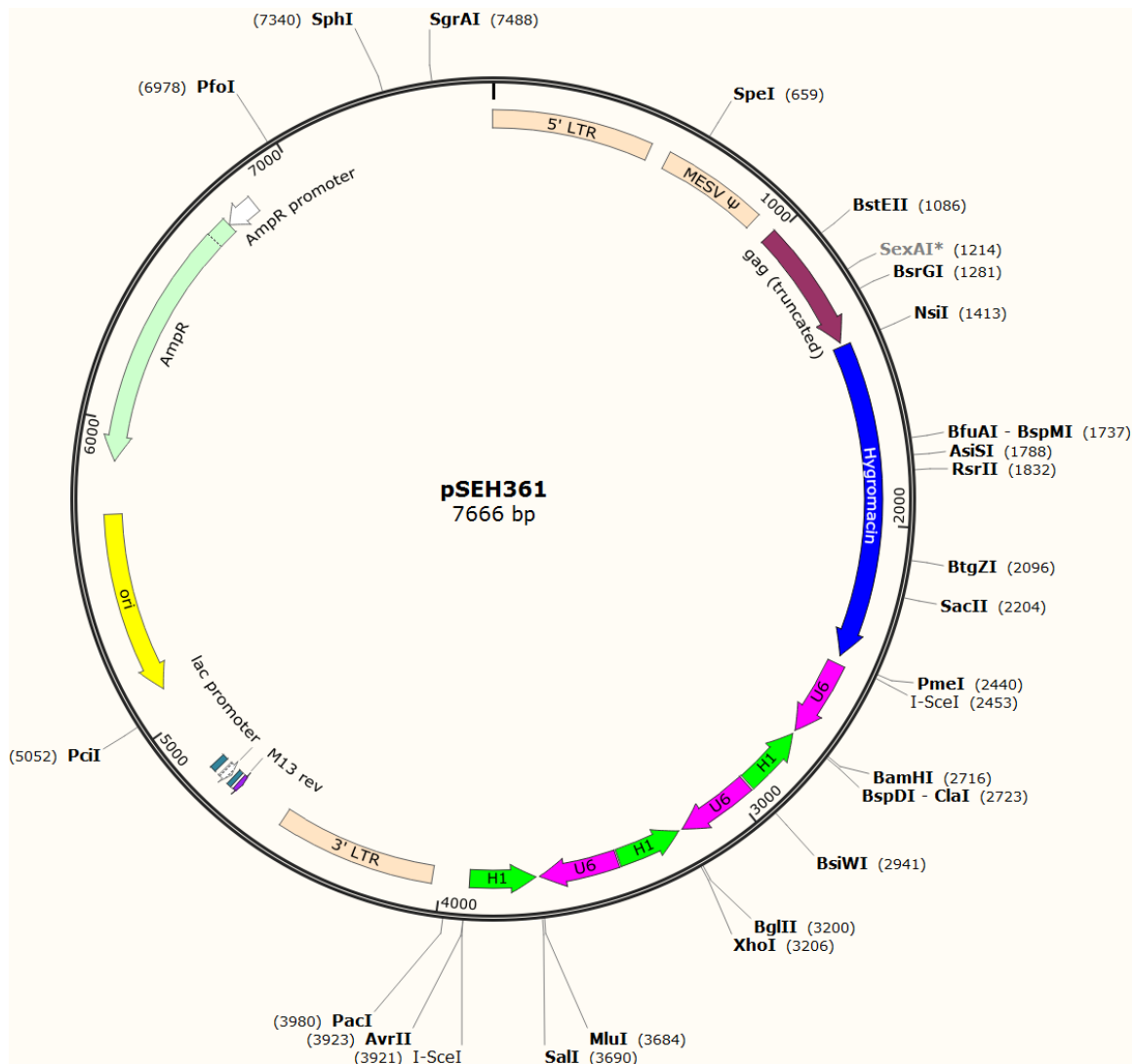


**Vector:** pSEH361

**Antibiotic Selection:** Amp

**Creator(s):** Bo Huang, Molecular Oncology Laboratory of The University of Chicago

**Date of Construction:** July 4, 2018



**361A** 5'-gatcaAAAAANNNNNNNNNNNNNNNNNNNNTTTTTt-3'  
 3'-tTTTTTnnnnnnnnnnnnnnnnnnAAAAAatgc-5'

**361B** 5'-gatcaAAAAANNNNNNNNNNNNNNNNNNNNTTTTTt-3'  
 3'-tTTTTTnnnnnnnnnnnnnnnnnnAAAAAagct-5'

**361C** 5'-cgcgAAAAANNNNNNNNNNNNNNNNNNNNTTTTTt-3'  
 3'-tTTTTTnnnnnnnnnnnnnnnnnnAAAAAagct-5'

TCH4713 GGATCCCCTGCAGGaATCGAT 361A screening Fwd  
 TCH4714 AGATCTGCCCGGGCCTCGAG 361B screening Fwd  
 TCH4715 ACGCGTATTTAAATGTCGAC 361C screening Fwd  
 TCH4736 ATCGATtCCTGCAGGGGATCC 361A screening Rev  
 TCH4737 CTCGAGGCCCGGGCAGATCT 361B screening Rev  
 TCH4738 GTCGACATTTAAATACGCGT 361C screening Rev

# pSEH361 Full-Length Sequence

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## Zero Cutters in pSEH361

#	Enzyme	Specificity
1	<a href="#">AgeI</a>	A CCGG↓T
2	<a href="#">Alei</a>	CACNN↓NNGTG
3	<a href="#">BbsI</a>	GAAGACNN↓NNNN↓
4	<a href="#">BclI</a>	T↓GATC↓A
5	<a href="#">BlpI</a>	GC TNA↓GC
6	<a href="#">BmgBI</a>	CAC↓GTC
7	<a href="#">BsaBI</a>	GATNN↓NNATC
8	<a href="#">BsgI</a>	GTGCAG(N) <sub>14</sub> ↓NN↓
9	<a href="#">BsmI</a>	GAATG↓CN↓
10	<a href="#">BstBI</a>	TT↓CG↓AA
11	<a href="#">BstXI</a>	CCAN↓NNNN↓NTGG
12	<a href="#">BstZ17I</a>	GTA↓TAC
13	<a href="#">CspCI</a>	↓NN (N) <sub>11</sub> CAA(N) <sub>5</sub> GTGG(N) <sub>10</sub> ↓NN↓
14	<a href="#">FseI</a>	GG↓CCGG↓CC
15	<a href="#">HindIII</a>	A↓AGCT↓T
16	<a href="#">HpaI</a>	GTT↓AAC
17	<a href="#">MfeI</a>	C↓AATT↓G
18	<a href="#">NotI</a>	GC↓GGCC↓GC
19	<a href="#">NruI</a>	TCG↓CGA
20	<a href="#">PfiMI</a>	CCAN↓NNN↓NTGG
21	<a href="#">PmlI</a>	CAC↓GTG
22	<a href="#">PspXI</a>	VC↓TCGA↓GB
23	<a href="#">SbfI</a>	CC↓TGCA↓GG
24	<a href="#">SfiI</a>	GGCCN↓NNN↓NGGCC
25	<a href="#">SnaBI</a>	TAC↓GTA
26	<a href="#">SrfI</a>	GCCC↓GGGC
27	<a href="#">StuI</a>	AGG↓CCT
28	<a href="#">SwaI</a>	ATTT↓AAAT
29	<a href="#">XcmI</a>	CCANNNN↓N↓NNNNTGG

## One-Cutters in pSEH361

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	<a href="#">AclI</a>	GT↓MK↓AC	<a href="#">list</a>	*3691/3693

2	AsiSI	GCG <sub>↓</sub> AT CGC	<a href="#">list</a>	*1788/1786
3	AvrII	C CTAG <sub>↓</sub> G	<a href="#">list</a>	3923/3927
4	BamHI	G <sub>↓</sub> GATC <sub>↓</sub> C	<a href="#">list</a>	2716/2720
5	BfuAI	ACCTGCNNNN <sub>↓</sub> NNNN <sub>↓</sub>	<a href="#">list</a>	1737/1741
6	BglII	A <sub>↓</sub> GATC <sub>↓</sub> T	<a href="#">list</a>	3200/3204
7	BsiWI	C <sub>↓</sub> GTAC <sub>↓</sub> G	<a href="#">list</a>	*2941/2945
8	BspDI	AT <sub>↓</sub> CG <sub>↓</sub> AT	<a href="#">list</a>	*2723/2725
9	BspMI	ACCTGCNNNN <sub>↓</sub> NNNN <sub>↓</sub>	<a href="#">list</a>	1737/1741
10	BsrGI	T <sub>↓</sub> GTAC <sub>↓</sub> A	<a href="#">list</a>	1281/1285
11	BstEII	G <sub>↓</sub> GTNAC <sub>↓</sub> C	<a href="#">list</a>	1086/1091
12	BtgZI	GCGATG(N) <sub>10</sub> <sub>↓</sub> NNNN <sub>↓</sub>	<a href="#">list</a>	*2096/2100
13	ClaI	AT <sub>↓</sub> CG <sub>↓</sub> AT	<a href="#">list</a>	*2723/2725
14	MluI	A <sub>↓</sub> CGCG <sub>↓</sub> T	<a href="#">list</a>	*3684/3688
15	NsiI	A <sub>↓</sub> TGCA <sub>↓</sub> T	<a href="#">list</a>	1413/1409
16	PacI	TTA <sub>↓</sub> AT TAA	<a href="#">list</a>	3980/3978
17	PaeR7I	C <sub>↓</sub> TCGA <sub>↓</sub> G	<a href="#">list</a>	*3206/3210
18	PciI	A <sub>↓</sub> CATG <sub>↓</sub> T	<a href="#">list</a>	5052/5056
19	PmeI	GTTT <sub>↓</sub> AAAC	<a href="#">list</a>	2440
20	RsrII	CG <sub>↓</sub> GWC <sub>↓</sub> CG	<a href="#">list</a>	*1832/1835
21	SacII	CC <sub>↓</sub> GC <sub>↓</sub> GG	<a href="#">list</a>	*2204/2202
22	SalI	G <sub>↓</sub> TCGA <sub>↓</sub> C	<a href="#">list</a>	*3690/3694
23	SexAI	A <sub>↓</sub> CCWGG <sub>↓</sub> T	<a href="#">list</a>	#1214/1219
24	SgrAI	CR <sub>↓</sub> CCGG <sub>↓</sub> YG	<a href="#">list</a>	*7488/7492
25	SpeI	A <sub>↓</sub> CTAG <sub>↓</sub> T	<a href="#">list</a>	659/663
26	SphI	G <sub>↓</sub> .CATG <sub>↓</sub> C	<a href="#">list</a>	7340/7336
27	XhoI	C <sub>↓</sub> TCGA <sub>↓</sub> G	<a href="#">list</a>	*3206/3210