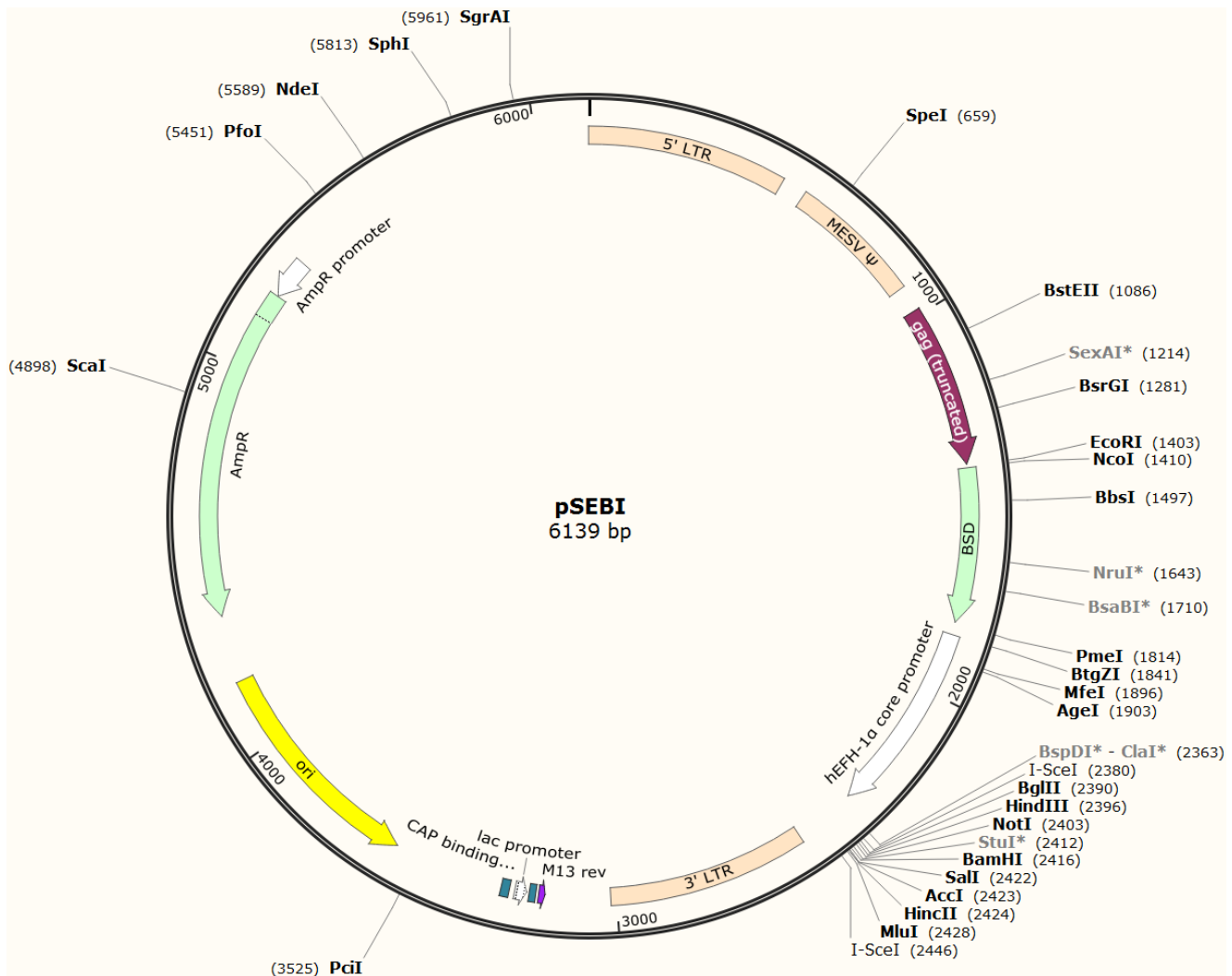


Vector: pSEBI (retroviral overexpression vector, BSD selection marker)

Antibiotic Selection: Amp

Creator(s): Ling Zhao, Molecular Oncology Lab of The University of Chicago Medical Center

Date of Construction: August, 2018



pSEBI Full-Length Sequence*

(* Based on partially sequenced data; not fully sequenced)

TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGCATGGAAAATACATAACT
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Zero-Cutters

#	Enzyme	Specificity
1	AleI	CACNN _↓ NNGTG
2	ApaI	G _↓ GGCC C
3	AsiSI	GCG _↓ AT CGC
4	AvrII	C CTAG _↓ G
5	BclI	T _↓ GATC _↓ A
6	BfuAI	ACCTGCNNNN _↓ NNNN _↓
7	BlpI	GC TNA _↓ GC
8	BmgBI	CAC _↓ GTC
9	BsaAI	YAC _↓ GTR
10	BsiWI	C GTAC _↓ G
11	BsmI	GAATG _↓ CN _↓
12	BspEI	T CCGG _↓ A
13	BspMI	ACCTGCNNNN _↓ NNNN _↓
14	BstBI	TT CG _↓ AA
15	BstXI	CCAN _↓ NNNN _↓ NTGG
16	BstZ17I	GTA _↓ TAC
17	DraIII	CAC _↓ NNN _↓ GTG
18	FseI	GG _↓ CCGG _↓ CC

19	HpaI	GTT _↓ AAC
20	NsiI	A _↓ TGCA T
21	Pacl	TTA _↓ AT TAA
22	PaeR7I	C TCGA _↓ G
23	PflMI	CCAN _↓ NNN _↓ NTGG
24	PmlI	CAC _↓ GTC
25	PshAI	GACNN _↓ NNGTG
26	PsiI	TTA _↓ TAA
27	PspOMI	G GGCC _↓ C
28	PspXI	VC TCGA _↓ GB
29	RsrII	CG GWC _↓ CG
30	SacII	CC _↓ GC GG
31	Sbfl	CC _↓ TGCA GG
32	SfiI	GGCCN _↓ NNN _↓ NGGCC
33	SnaBI	TAC _↓ GTA
34	SrfI	GCCC _↓ GGGC
35	SwaI	ATTT _↓ AAAT
36	XcmI	CCANNNN _↓ N _↓ NNNNTGG
37	XhoI	C TCGA _↓ G

One-Cutters

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	AccI	GT MK _↓ AC	list	*2423/2425
2	AgeI	A CCGG _↓ T	list	*1903/1907
3	BamHI	G _↓ GATC _↓ C	list	2416/2420
4	BbsI	GAAGACNN _↓ NNNN _↓	list	1497/1501
5	BglII	A GATC _↓ T	list	2390/2394
6	BsaBI	GATNN _↓ NNATC	list	*#1710
7	BspDI	AT CG _↓ AT	list	*#2363/2365
8	BsrGI	T GTAC _↓ A	list	1281/1285
9	BstEII	G GTNAC _↓ C	list	1086/1091
10	BtgZI	GCGATG(N) ₁₀ NNNN _↓	list	*1841/1845
11	ClaI	AT CG _↓ AT	list	*#2363/2365
12	EcoRI	G AATT _↓ C	list	1403/1407
13	HincII	GTY _↓ RAC	list	*2424
14	HindIII	A AGCT _↓ T	list	2396/2400

15	MfeI	C AATT _↓ G	list	1896/1900
16	MluI	A CGCG _↓ T	list	*2428/2432
17	NcoI	C CATG _↓ G	list	1410/1414
18	NdeI	CA TA _↓ TG	list	5589/5591
19	NotI	GC GGCC _↓ GC	list	*2403/2407
20	NruI	TCG _↓ CGA	list	*#1643
21	PciI	A CATG _↓ T	list	3525/3529
22	PmeI	GTTT _↓ AAAC	list	1814
23	SalI	G TCGA _↓ C	list	*2422/2426
24	Scal	AGT _↓ ACT	list	4898
25	SexAI	A CCWGG _↓ T	list	#1214/1219
26	SgrAI	CR CCGG _↓ YG	list	*5961/5965
27	SpeI	A CTAG _↓ T	list	659/663
28	SphI	G _↓ CATG C	list	5813/5809
29	StuI	AGG _↓ CCT	list	#2412