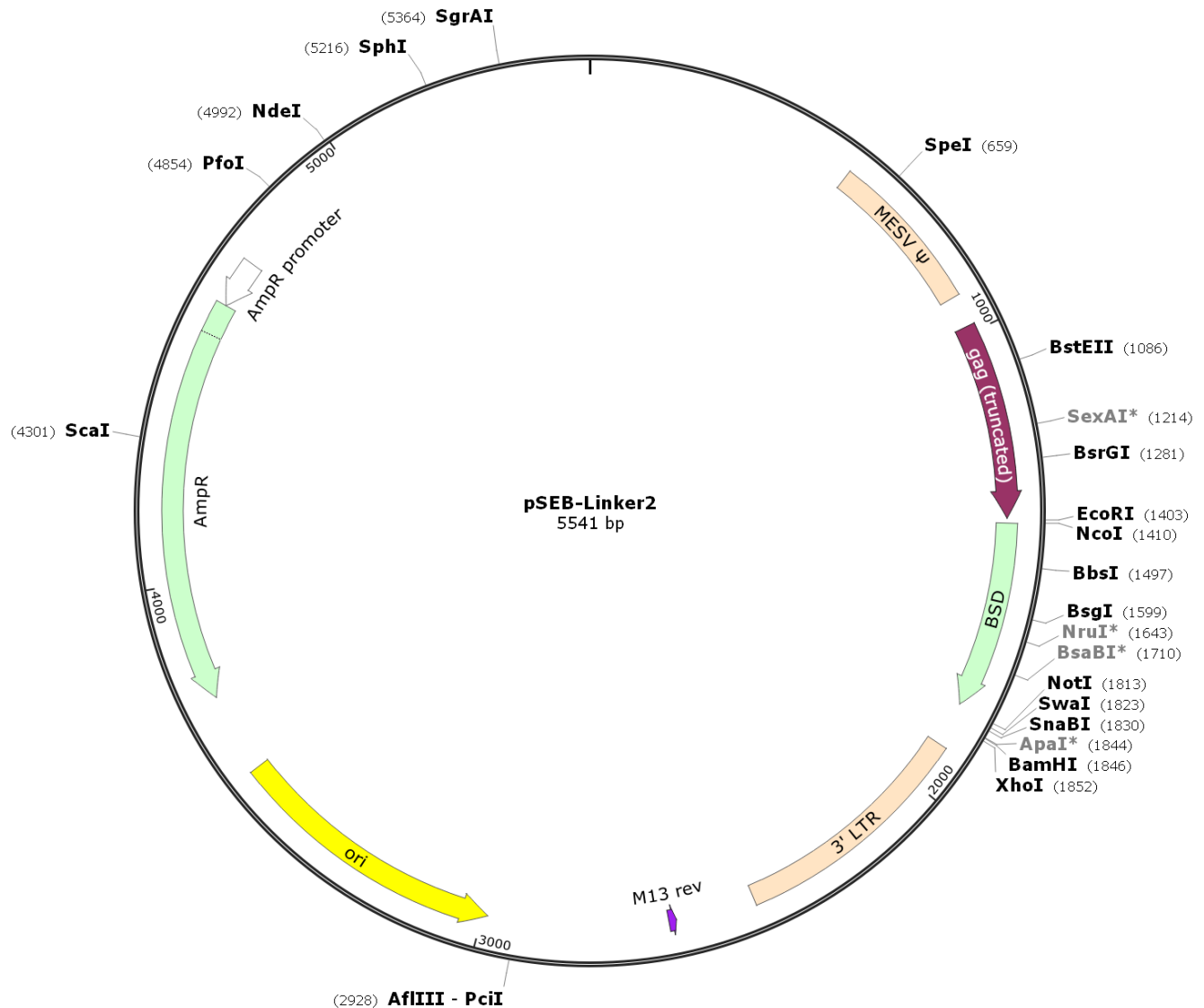


Vector: pSEB-Linker2

Antibiotic Selection: Amp (*BSD* in mammalian cells)

Creator(s): Linjuan Huang @ Molecular Oncology Lab of The University of Chicago Medical Center

Date of Construction: January 2020



pSEB-Linker2 Full-length Sequence

TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGCATGGAAAATACATAACTGAGAATAGAGAAGTTA
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Zero-Cutters :

#	Enzyme	Specificity	19	DraIII	CACNNGTG	38	SfiI	GGCCNNNNGGCC
1	AccI	GTMKAC	20	FseI	GGCCGGCC	39	SrfI	GCCCGGGC
2	AgeI	ACCGGT	21	HincII	GTyrAC	40	XcmI	CCANNNNNNNTGG 30
3	AleI	CACNNGTG	22	HindIII	AAGCTT		PmlI	CACGTG
4	AsiSI	GCGATCGC	23	HpaI	GTTAAC	31	PshAI	GACNNGTGC
5	AvrII	CCTAGG	24	MfeI	CAATTG	32	PspXI	VCTCGAGB
6	BclI	TGATCA	25	MluI	ACGCGT	33	RsrII	CGWCCG
7	BfuAI	ACCTGCNNNNNNN	26	NsiI	ATGCAT	34	SacII	CCGCGG
8	BglII	AGATCT	27	PacI	TTAATTAA	35	SalI	GTCGAC
9	BlpI	GCTNAGC	28	PflMI	CCANNNNTGG	36	SbfI	CCTGCAGG
10	BmgBI	CACGTC	29	PmeI	GTTTAAAC	37	SfiI	GGCCNNNNGGCC
11	BsiWI	CGTACG	30	PmlI	CACGTG	38	SnaBI	TACGTA
12	BsmI	GAATGCN	31	PshAI	GACNNGTGC	39	SrfI	GCCCGGGC
13	BspEI	TCCGGA	32	PsiI	TTATAA	40	StuI	AGGCCT
14	BspMI	ACCTGCNNNNNNN	33	PspXI	VCTCGAGB	41	SwaI	ATTTAAAT
15	BstBI	TTCGAA	34	RsrII	CGWCCG	42	XcmI	CCANNNNNNNTGG
16	BstXI	CCANNNNTGG	35	SacII	CCGCGG	43	XhoI	CTCGAG
17	BstZ17I	GTATAC	36	SalI	GTCGAC			
18	BtgZI	GCGATG (N) 10NNNN	37	SbfI	CCTGCAGG			

One-Cutters :

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	AflIII	A CRYG▲T	list	2928/2932
2	ApaI	G▲GGCC C	list	*#1844/1840
3	BamHI	G GATC▲C	list	1846/1850
4	BbsI	GAAGACNN NNNN▲	list	1497/1501
5	BsaAI	YAC▲GTR	list	*1830
6	BsaBI	GATNN▲NNATC	list	*#1710
7	BsgI	GTGCAG(N) ₁₄ ▲NN	list	1599/1597
8	BspDI	AT CG▲AT	list	*#1859/1861
9	BsrGI	T GTAC▲A	list	1281/1285
10	BstEII	G GTNAC▲C	list	1086/1091
11	ClaI	AT CG▲AT	list	*#1859/1861
12	CspCI	▲NN (N) ₁₁ CAA(N) ₅ GTGG(N) ₁₀ ▲NN	list	1429/1427+1464/1462
13	EcoRI	G AATT▲C	list	1403/1407
14	NcoI	C CATG▲G	list	1410/1414
15	NdeI	CA TA▲TG	list	4992/4994
16	NotI	GC GGCC▲GC	list	*1813/1817
17	NruI	TCG▲CGA	list	*#1643
18	PaeRZI	C TCGA▲G	list	*1852/1856
19	PciI	A CATG▲T	list	2928/2932
20	PspOMI	G GGCC▲C	list	*#1840/1844
21	ScaI	AGT▲ACT	list	4301
22	SexAI	A CCWGG▲T	list	#1214/1219
23	SgrAI	CR CCGG▲YG	list	*5364/5368
24	SnaBI	TAC▲GTA	list	*1830
25	SpeI	A CTAG▲T	list	659/663
26	SphI	G▲CATG C	list	5216/5212
27	StuI	AGG▲CCT	list	#1836
28	SwaI	ATTT▲AAAT	list	1823
29	XhoI	C TCGA▲G	list	*1852/1856