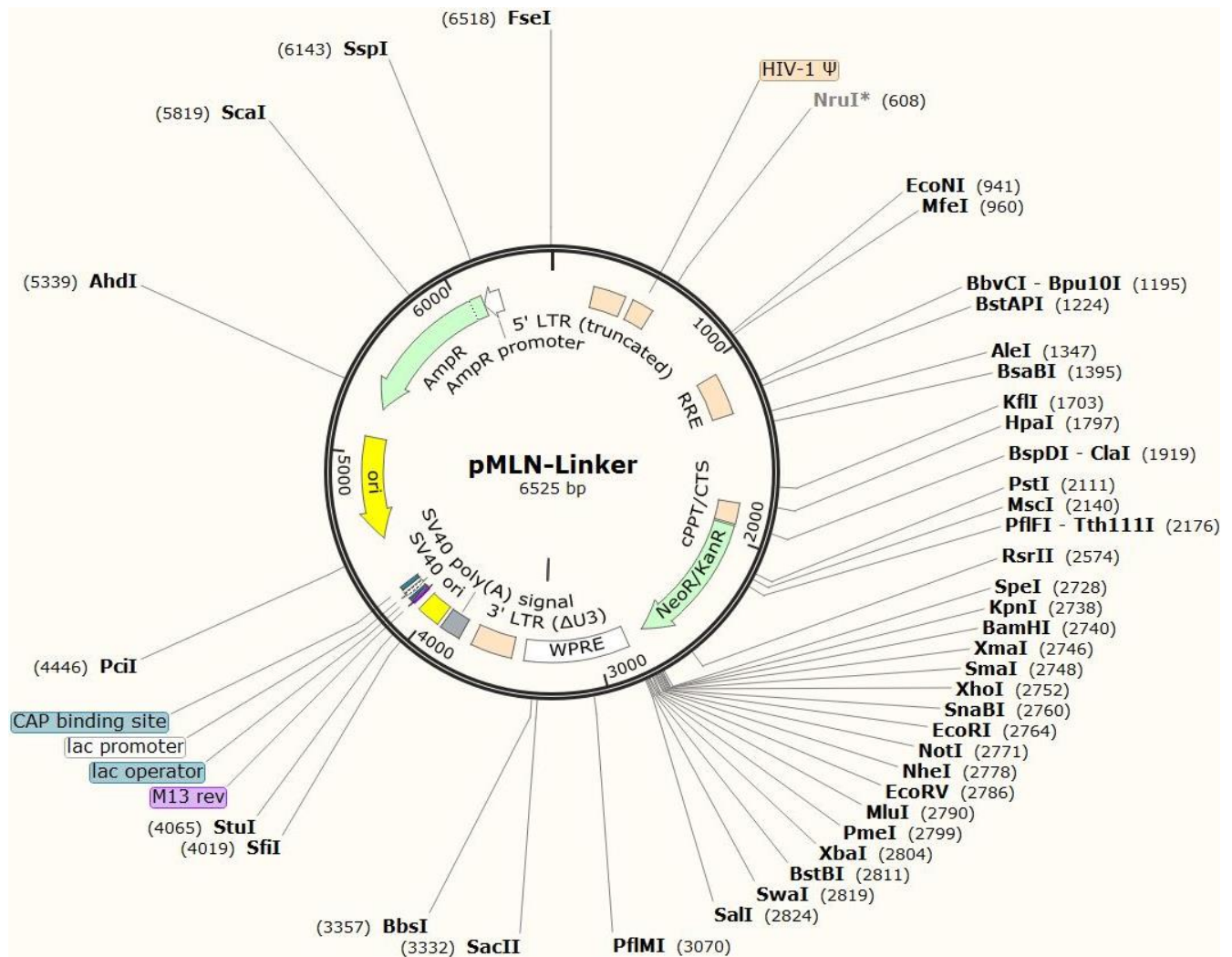


Vector: pMLN-Linker (MOLab optimized Lentiviral Vector w/ a super linker;
Neomycin/Geneticin/G418 resistance, 3rd generation)

Antibiotic Selection: Amp

Creator(s): Xiaojuan Ji, Molecular Oncology Laboratory, The University of Chicago Medical Center

Date of Construction: September 11, 2017



pMLN-Linker Full-Length Sequence

CGCGTGTAGTCTTATGCAATACTCTTGTAGTCTTGC AACATGGTAACGATGAGTTAGCAACATGCCTTACAAGGAGAGAAAA
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Zero Cutters

Enzyme Specificity

1	AfeI	AGC▲GCT	16	Bsu36I	CC TNA▲GG
2	AgeI	A CCGG▲T	17	DraIII	CAC▲NNN GTG
3	ApaI	G▲GGCC C	18	NdeI	CA TA▲TG
4	AscI	GG CGCG▲CC	19	NsiI	A▲TGCA T
5	AsiSI	GCG▲AT CGC	20	PacI	TTA▲AT TAA
6	AvrII	C CTAG▲G	21	PmlI	CAC▲GTG
7	BclI	T GATC▲A	22	PshAI	GACNN▲NNGTC
8	BlpI	GC TNA▲GC	23	PspOMI	G GGCC▲C
9	BmgBI	CAC▲GTC	24	SbfI	CC▲TGCA GG
10	BsiWI	C GTAC▲G	25	SexAI	A CCWGG▲T
11	BspEI	T CCGG▲A	26	SgrAI	CR CCGG▲YG
12	BsrGI	T GTAC▲A	27	SrfI	GCCC▲GGGC
13	BstEII	G GTNAC▲C	28	XcmI	CCANNNN▲N NNNNTGG
14	BstXI	CCAN▲NNNN NTGG			
15	BstZ17I	GTA▲TAC			

One/Single-Cutters

#	Enzyme	Specificity	Cut positions (blunt - 5' ext. - 3' ext.)
1	Acc65I	G GTAC▲C	*2734/2738
2	AleI	CACNN▲NNGTG	1347
3	BaeI	▲(N) ₅ (N) ₁₀ ▲C N N N N G T A Y C (N) ₇ ▲	108/103+141 /136
4	BamHI	G GATC▲C	2740/2744
5	BbsI	GAAGACNN NNNN▲	3357/3361
6	BbvCI	CC TCA▲GC	1195/1198
7	BmtI	G▲CTAG C	2782/2778
8	Bpu10I	CC TNA▲GC	1195/1198
9	BsaBI	GATNN▲NNATC	1395
10	BspDI	AT CG▲AT	*1919/1921
11	BstAPI	GCAN▲NNN NTGC	1224/1221
12	BstBI	TT CG▲AA	*2811/2813

13	ClaI	AT CG▲AT	*1919/1921
14	CspCI	▲NN (N) ₁₁ CAA (N) ₅ GTGG (N) ₁₀ ▲ NN	1914/1912+1 949/1947
15	EcoNI	CCTNN N▲NNAGG	941/942
16	EcoRI	G AATT▲C	*2764/2768
17	EcoRV	GAT▲ATC	2786
18	HpaI	GTT▲AAC	1797
19	KpnI	G▲GTAC C	2738/2734
20	MfeI	C AATT▲G	960/964
21	MluI	A CGCG▲T	*2790/2794
22	MscI	TGG▲CCA	2140
23	NheI	G CTAG▲C	*2778/2782

24	NotI	GC GGCC▲GC	*2771/2775
25	NruI	TCG▲CGA	*#608
26	Paer7I	C TCGA▲G	*2752/2756
27	PciI	A CATG▲T	4446/4450
28	PflFI	GACN N▲NGTC	2176/2177
29	PflMI	CCAN▲NNN NTGG	3070/3067
30	PmeI	GTTT▲AAAC	2799
31	PspXI	VC TCGA▲GB	*2752/2756
32	PstI	C▲TGCA G	2111/2107
33	RsrII	CG GWC▲CG	*2574/2577
34	SacII	CC▲GC GG	*3332/3330
35	SalI	G TCGA▲C	*2824/2828

36	SfiI	GGCCN▲NNN NGGCC	*4019/4016
37	SmaI	CCC▲GGG	*2748
38	SnaBI	TAC▲GTA	*2760
39	SpeI	A CTAG▲T	2728/2732
40	StuI	AGG▲CCT	4065
41	SwaI	ATTT▲AAAT	2819
42	TspMI	C CCGG▲G	*2746/2750
43	Tth111 I	GACN N▲NGTC	2176/2177
44	XbaI	T CTAG▲A	2804/2808
45	XhoI	C TCGA▲G	*2752/2756
46	XmaI	C CCGG▲G	*2746/2750