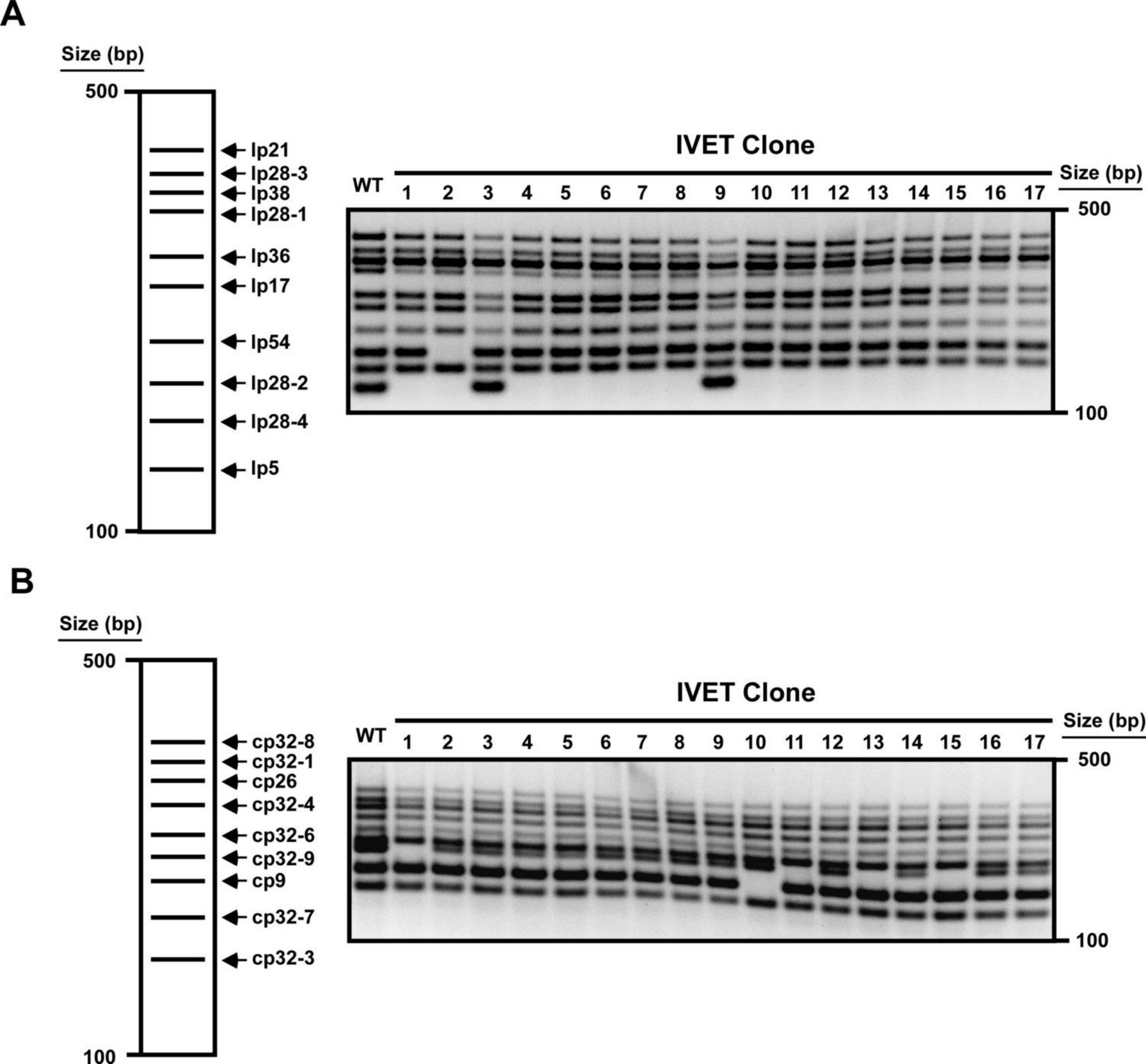
Table S1. Primers used in this study.

Primer	Description	Sequence (5'-3')	Reference
P83	Forward primer for amplification of *gent* for IVET reporter cassette	CCT CGA GCT CGT TTA AAC TAA CTG ACT AGG AGG GAG GTT TCC ATA TGT TAC GC	This study
P84	Reverse primer for amplification of *gent* for IVET reporter cassette	CCT CGG TAC CTT AGG TGG CGG TAC TTG GGT	This study
P86	Forward primer for amplification of *pncA* for IVET reporter cassette	CCT CGG TAC CGA GGG AGG TTT CCA TGT GGC ACT TAT TTT AAT AGA TAT ACA AAA TGA TTT TTT AG	This study
P87	Reverse primer for amplification of *pncA* for IVET reporter cassette	CCT CAC CGG TTT ATA TAT TAA GCT TAC TTT GGC TG	This study
P129	Forward primer for amplification of *flaB* promoter fragment	ATA TCA TTC CTC CAT GAT AAA ATT TAA ATT TCT GAC	This study
P130	Reverse primer for amplification of *flaB* promoter fragment	CAT CAC TCA ACA GTC CTT TTA ATC TAA TGT CAG G	This study
P93	Forward primer for amplification of cloned DNA fragment from IVET reporter plasmids	GTCAGGGCCGAGCCTACATGTGC	This study
P155	Reverse primer for amplification of cloned DNA fragment from IVET reporter plasmids	CACACAGGAAACAGCTATGACCATG	This study
P230	Sequencing primer for identification of cloned DNA fragment in IVET reporter plasmids	GCCCTGCTGCGT AACATCGTTGC	This study
P54	Forward primer for amplification of kan	CATATGAGCCATATTCAACGGGAAACG	[Bono et al., 2000]
P55	Reverse primer for amplification of kan	AAAGCCGTTTCTGTAATGAAGGAG	[Bono et al., 2000]

SUPPLEMENTAL FIGURE LEGEND

Figure S1. Multiplex PCR profile of endogenous *B. burgdorferi* plasmids.

Agarose gel image of multiplex PCR products after screening wildtype 5A10 (WT) and 17 representative pre-infection IVET clones for the presence of endogenous *B. burgdorferi* linear (A), and circular (B) plasmids. Left panels show schematic gel identifying the expected bands corresponding to the plasmids in 5A10. Positions of the 500bp and 100bp molecular weight markers are shown for both schematic and gel images. All clones possessed an identical endogenous plasmid profile compared to the 5A10 parent strain with the exception of one clone that had lost the linear plasmid lp28-2, one clone that lacked the circular plasmid cp32-7, and several clones that had lost lp5 and cp9.


A
Size (bp)
500
100
lp21
lp28-3
lp38
lp28-1
lp36
lp17
lp54
lp28-2
lp28-4
lp5
IVET Clone
WT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Size (bp)
500
100
B
Size (bp)
500
100
cp32-8
cp32-1
cp26
cp32-4
cp32-6
cp32-9
cp9
cp32-7
cp32-3
IVET Clone
WT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Size (bp)
500
100