

S3 Table. pBSV2:chromosome ratio during *in vitro* culture.

Strain		Bacteria/5pg DNA ^a		
		<i>In vitro</i>		
		Plasmid ^b	Chrom ^c	Plasmid /Chrom ^d
B31-A3/Vector		722.1 ±2.8	742.9 ±2.8	0.97
B31- A3ΔospC	Vector	804.7 ±2.9	813.6 ±2.9	0.98
	pOspC _{B31} #2	669.0 ±2.8	743.9 ±2.8	0.89
	pOspC _{B31-ECM} ^e	701.7 ±2.8	736.4 ±2.8	0.95

^a Experiment displayed in Figure S4.

^b Spirochetal burden determined by qPCR; shown are geometric mean ± geometric standard deviation from 10 mice.

^c Spirochetal burden determined using *coIE1* primers.

^d Spirochetal burden determined using *recA* primers.

^e Ratio of burden determined using *coIE1* primers to burden determined using *recA* primers.

^f NA, not applicable because the burdens obtained using either *recA* primers, *coIE1* primers, or both were below the detection limit of 10 bacterial copies per 100ng DNA.