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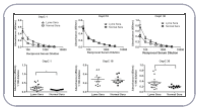
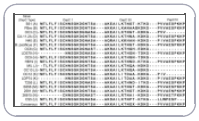
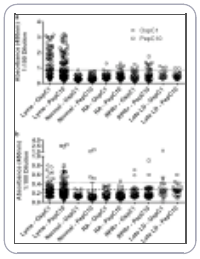
Fig 2

Strain (OspC Type)	OspC 1	OspC 30	PepC10
B31 (A)	MTLFLFISCNNSGKDGNTSA	AKEAILKTNGT	KTKG PVVAESPKKP
PBre (B)	MTLFLFISCNNSGKDGNTSA	AKKAILKANAAGKDKG	PVVAESPKKP
OC3 (C)*	MTLFLFISCNNSGKDGNASA	AKEAILKTNGT	KDKG PVV
CA-11.2A (D)	MTLFLFISCNNSGKDGNTSA	AKKAILKTHNA	KDKG PVVAESPKKP
N40 (E)	MTLFLFISCNNSGKDGNASA	AQRAILKKHAN	KDKG PIVAESPKKP
B. pacificus (F)	MTLFLFISCNNSGKDGNTSA	AKAAILKTNGT	NDKG PVVAESPKKP
OC8 (G)	MTLFLFISCNNSGKDGNAST	AKRAILKTHGH	EDKG
LDS79 (H)*	NNSGKDGNASA	AKKAILKTHGN	TDKG PVVAESPKKP
OC9 (H)*	MTLFLFISCNNSGKDGNTSA	AKKAILKTHGN	TDKG
HB19 (I)	MTLFLFISCNNSGKDGNTSA	AKKAILKTNND	KTKG PVVAESPKKP
MIL (J)*	TLFLFISCNNSGKDGNTSA	AKKAILKTNQA	NDKG
OC10 (J)*	MTLFLFISCNNSGKDGNTSA	AKKAILKTNQA	NDKG
OC12 (K)**	MTLFLFISCNNSGKDGNTSA	AKKAILITDAA	KDKG PIV
LDP74 (K)*	NNSGKDGNTSA	AKKAILITDAA	KDKG PIVAESPKKP
T255 (L)	MTLFLFISCNNSGKDGNASV	AKKAILKTHND	ITKG PVVAESPKKP
B356 (M)*	MTLFLFISCNNSGKDGNTSA	AKAAILKTNGT	KDKG PVVAESPKKP
2591 (M)*	MTLFLFISCNNSGKDGNTSA	AKAAILKTNGT	KDKG PVVAENPKKP
26815 (N)*	CNNSGKDGNAST	AKKAILRTNAI	KDKG PVVAETPKKP
CS5 (U)	MTLFLFISCNNSGKDGNASA	AKDAILKTNPT	KTKG LLWPESP
Consensus	MTLFLFISCNNSGKDGNTSA	AKKAILKTNGX	KDKG PVVAESPKKP

Amino acid sequence alignment of different OspC types depicting the regions corresponding to OspC1, OspC30, and PepC10. Sequences were aligned using CLC Workbench and were trimmed to show only the regions corresponding to the peptides of interest. In several instances, complete sequences for the OspC types containing all three peptides were not available. When possible, multiple partial sequences for that OspC type were aligned, depicting the presence or absence of a particular peptide sequence. *, partial sequence; **, partial sequence used for epitope mapping. B. pacificus, *B. burgdorferi* strain isolated from *Ixodes pacificus*.

Images in this article

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