

Supplementary Table 3 : Chromosome structural differences between *B. burgdorferi* B31 and *B. afzelii* PKo and ACA-1

Difference relative to B31	B31	PKo	ACA-1
<i>bb0138</i> present	+	–	–
No. of repeats in <i>bb0210</i>	7	5	5
<i>bb0223</i> present	+	–	–
Insert in <i>bb0309</i>	–	44 bp	44 bp
<i>bmpA</i> gene duplication	–	+	+
16S rRNA gene duplication	–	+ ^a	+ ^a
Insert between <i>bb0456</i> & <i>0457</i>	–	56 bp	56bp
Deletion between <i>bb0472</i> & <i>0473</i>	–	171 bp	171 bp
Deletion between <i>bb473</i> & <i>0475</i>	–	~145 bp ^{a,b}	~145 bp ^{a,b}
Indel between <i>bb522</i> & <i>0524</i>	–	~250 bp ^b	~250 bp ^b
No. of repeats in <i>bb0546</i>	5	3	4
Insert in <i>bb0744</i> (p83/p100)	–	~118 bp ^b	~118 bp ^b
Deletion in <i>bb0749</i>	–	143 bp	143 bp
Insert between <i>bb0796</i> & <i>797</i>	–	~330 bp ^b	~330 bp ^b
No. of repeats in <i>bb0801</i>	12	6	12

Footnotes for Table S3

+ Present

– Not present

a. *bb0423*, *bb0424* and *bb0474* in the original B31 annotation were small ORFs that are not open in other *burgdorferi* genomes, so they have been removed from that annotation. All three of these regions are affected in PKo and ACA-1.

b. Rearrangement is more complex than simple deletion; value depends on precise choice of endpoints.