

Table S3. Presence of NELoc-1 and -3 genes in the high prevalence groups

											NeLoc-1 (33 ORFs)		
C24	C26	C31	C33	C36	C37	C41	C48	C124	C125	T11	T53	Locus tag/gene product	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3442/transcriptional regulator, MarR family	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3443/ β -lactamase domain containing protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3444/M protein trans-acting positive regulator (MGA)	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3445/putative radical SAM domain containing protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3446/putative internalin	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3447/putative protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3448/putative protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3449/NE toxin B (NetB)	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3450/ricin-type β -trefoil domain protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3451/transposase for transposon	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3452/hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3453/hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3454/chitinase B	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3455/chitodextrinase	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3457/CAAX amino terminal protease	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3458/putative β -toxin	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3459/putative β -toxin	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3460/conserved hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3461/conserved hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3462/conserved hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3464/resolvase recombinase	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3465/resolvase recombinase	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3466/putative membrane protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3468/F5/8 type C domain containing protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3469/phosphodiesterase domain 2	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3470/sortase family protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3471/putative surface protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3472/peptidoglycan bound protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3473/cell wall surface anchor protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3474/signal peptidase I	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3476/hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3477/swim zinc finger domain	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3478/diguanylate cyclase	
											NeLoc-3 (5 ORFs)		
C24	C26	C31	C33	C36	C37	C41	C48	C124	C125	T11	T53	Locus tag/gene product	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3567/conserved hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3568/hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3569/resolvase/recombinase	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3570/conserved hypothetical protein	
+	+	+	+	+	+	+	+	+	+	+	+	CP4_3572/NADP-dependent 7- α -HSD	

The locus tag and the gene product of the NELoc-1 and -3 associated genes are shown (Lepp et al., 2013). + indicates presence respectively, among the *C. perfringens* isolates. Only isolates with high prevalence of the NELoc-1 and -3 genes are presented.