

Table S1: Alpha-toxin (PLC) types of seven BEC *C. perfringens* isolates

		Key amino acids ^{*a}																						
Isolate	[Accession number]	Alpha-toxin (PLC) type	8	13	22	40	47	54	57	71	166	176	195	202	205	209	222	244	277	362	363	365	373	375
CP482.2020	[MW665543]	If	A	A	A	A	V	L	N	E	A	H	A	A	T	K	R	Y	P	I	S	A	I	A
A18.256	[AP024979]	Ila	A	A	A	A	V	L	N	E	A	H	A	D	A	K	R	D	P	F	P	A	V	A
TS1	[AP024973]	Ila	A	A	A	A	V	L	N	E	A	H	A	D	A	K	R	D	P	F	P	A	V	A
OS1	[AP024969]	Ild	A	A	A	A	V	L	N	E	A	H	V	D	A	K	R	D	P	F	P	A	V	A
O13-19	[AP024976]	IVb	A	T	A	A	I	L	N	E	A	H	A	D	A	K	R	D	P	F	P	A	V	A
CP653	[MH900557]	IVb	A	T	A	A	I	L	N	E	A	H	A	D	A	K	R	D	P	F	P	A	V	A
2023/00053	[CAUJRZ010000000]	IV-new	V	T	A	A	V	L	N	E	A	H	V	D	A	K	R	D	P	F	S	A	V	A

^a : Key amino acids previously described in Aung et al, 2021: positions 13, 54 et 373 in red were used for the alpha-toxin typing (I-IV); positions in blue defined subtypes.