

Supplementary Materials: Integration of Complete Plasmids Containing *Bont* Genes into Chromosomes of *Clostridium parabotulinum*, *Clostridium sporogenes*, and *Clostridium argentinense*

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Table S1. Characteristics of plasmids containing *bont* gene clusters within *C. sporogenes* strains. Identified complete plasmids are characterized in the upper table. Genomes where contigs matching >70% of reference plasmid CDC 67071 pNPD7 were identified are listed below. *This genome is listed in the NCBI *Clostridium botulinum* database. **The CDC 1632 plasmid is integrated into the chromosome.

Toxin Type	Strain	Plasmid Size (kb)	Plasmid ID	NCBI Accession #	References
B2	Prevot 594	257.337	pCBH	CP006901	[1]
B6	AM553	266.275	unnamed	LFPK01000006	[2]
B6	AM1195	267.642	pRSJ11_1	CP013700	[2]
B6	AM370	265.469	unnamed	LFPJ01000009, LFPJ01000030	[2]
B2	It 450 *	250.014	p_B2_450	JXSU01000010	[3]
B1	CDC 67071	235.65	pNPD7	CP013241	[4]
B1	CDC 1632	**		CP013243	[5]
B1	2113/01	251.706	unnamed	SWSN01000006	[4]
B1	FT236	251.706	unnamed	SXEL01000007	[4]
B1	1779	251.598	unnamed	SXFJ01000006	[4]

Additional *C. sporogenes* strains having plasmid-borne *bont* genes:

Toxin Type	Strain	Toxin Type	Strain
B2	ATCC 51387	B2	IFR 18/108
B2	Prevot 1662	B2	IFR 18/065
B6	Okayama2011	B2	IFR 18/106
B6	Osaka05	B2	BL 81/18B
B1	R1125/03	B2	2345
B1	R1135/03	B2	Colworth BL246

Table S2. Characteristics of plasmids containing *bont* gene clusters within *C. argentinense* strains. *These genomes were deposited in the NCBI *Clostridium botulinum* database by J. Brunt, A.H.M. Van Vliet, S.C. Stringer, A.T. Carter, and M.W. Peck. **The CDC 2741 plasmid is integrated into the chromosome.

Toxin Type	Strain	Plasmid Size (kb)	Plasmid ID	NCBI Accession #	References
G	89G	140.07	pRSJ17_1	CP014175 SWMY01000026	[6]
G	GH	138.889	unnamed	SWMY01000028 SWMY01000034 SWMY01000037	[4]*
G	113/29	138.863	unnamed	SXCA01000022 SXCA01000025 SXBZ01000027	[4]*
G	113/31	139.213	unnamed	SXBZ01000033 SXBZ01000040 SXBZ01000032	[4]*
G	113/33	138.693	unnamed	SXBY01000036 SXBY01000044 SXBY01000059	[4]*
G	CDC 2740 (GM 73/78)	140.07	pCAG	AB853998	[7]
G	CDC 2741 (GM 77/78)	**	unnamed	AYSO01000020	[1]

Table S3. Characteristics of plasmids containing *bont* gene clusters within *C. parabotulinum* strains. Identified complete plasmids are characterized in the upper table. Genomes where contigs matching >70% of reference plasmid Okra pCLD were identified are listed below. *The DFPST0006 plasmid is integrated into the chromosome.

Toxin Type	Strain	Plasmid Size (kb)	Plasmid ID	NCBI Accession #	References
A2B3	It 87	275.57	p1_A2B3_87	AUZB01000012	[8]
A2B5	CDC_1436	275.99	pCBG	CP006909.1	[1]
A2B6	AM282	266.23	pRSJ10_1	CP013684.1	[5]
A2B7	It 92	260.81	p1_A2B7_92	AUZA01000014	[8]
A2F4F5	Af84	246.12	pCLQ	AOSX01000021.1	[9]
A2F5	BrDura	241.08	pRSJ20_1	CP014152.1	[5]
A3	Loch Maree	266.78	pCLK	CP000963.1	[10]
A3	SU0972	238.81	unnamed	MWIV01000007	this study
B1	Okra	148.78	pCLD	CP000940.1	[10]
B2	It 433	266.69	p1_433B2	AUYZ01000011	[8]
B5A4	657	270.02	pCLJ	CP001081.1	[10]
B5A4	CFSAN034200	270.02	p1_CDC51232	CP031095.1	[11]
B5F2	An436	171.02	unnamed	LFON01000008	[2]
B7	BAC-04-07755	131.32	unnamed	SCKF01000025	this study
B7	CDC69068	117.17	unnamed	POTG01000037,	this study
B7	CDC37498	130.86	unnamed	POTG01000039	this study
F5	SU0634F	244.78	pRSJ2_3	CP013710.1	[5]
F5	SU0632	243.78	unnamed	MWIV01000007	this study
B1	DFPST0006	*		JACBDK01000020	This study
additional strains having evidence of plasmid location for <i>bont</i> genes:					
toxin type					
	B5F2	CDC69057			
	B5F2	Bf			
	A6B1	CDC 41370			
	B5A4	CDC 69043			
	A2B2	301-13			

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