

Table 5. PCR primers and conditions used in this study

Primer ID	Sequence (5'-3')	Target	PCR condition			Amplicon (bp)
			Denaturation	Annealing	Extention	
Cdt-IB-u Cdt-IB-d	GATTTTGCCGGGTATTTCT CCCTCAACAGAGGAAGAA	Cdt-IB	94°C; 30 s	50°C; 30 s	72°C; 1 m	707
P1 P2 B1 B2	CCATTACTCACCTTGTAC TGCTCTGAAAGTGACCG GAGTCCGATATTCTCGG TTCTTCAACGTGCGAACG	attP attB	94°C; 30 s	55°C; 30 s	72°C; 1 m	1,108 (P1-P2) 534 (P1-B1) 1,305 (B1-B2) 1,878 (P2-B2)
OmpC-u OmpC-d	GTGGATCCTTATTTGCCATTCCGC GTGGATCCTGATCGCAACCAACAAAG	OmpC	94°C; 30 s	55°C; 30 s	72°C; 1 m	15,02
cdt-I-phage-1 cdt-I-phage-2	GGTGATGCTTATTACTGG ATAGTGGATTTGCGCCGC	Head and Tail	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	5,775
cdt-I-phage-3 cdtI-phage-4	AAAGCCATTCTGCAGGG GCAGTAAGAAAATGCAGC	Head and Tail	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	5,260
cdt-I-phage-5 cdt-I-phage-6	AAGAATTTAACC GCCAGC GTTTTAACGTTCCGTC	Head and Tail	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	5,297
cdt-I-phage-7 cdt-I-phage-8	GTATCTGGCATCGGTG ACCACACACTGTATCTGC	Head and Tail	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	5,270
cdt-I-phage-9 cdt-I-phage-10	GTTTTATCCTCTGTAAGGG CAGCTCGTTAATGGAGAC	Virulence	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	5,026
cdt-I-phage-11 cdt-I-phage-12	CTTGATATCGGAACTTACC GAGACCAATGAGGGAATTG	Integrase	94°C; 30 s	52°C; 30 s	72°C; 1 m	862
cdt-I-phage-13 cdt-I-phage-14	CCAAATATTTATCAAACGCC CATCGATGACTTTACCCG	Unknown	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	4,996
cdt-I-phage-15 cdt-I-phage-16	GTATCTCAAGGGTACATTG ATGGAGAAAAGTAAACTGG	Regulation	94°C; 30 s	52°C; 30 s	72°C; 2.5 m	7,492
cdt-I-phage-17 cdt-I-phage-18	GGTAGTCTGGTATTTGGC CATTGAAACGCCTTTCAGC	Lysis	94°C; 30 s	52°C; 30 s	72°C; 1 m	1,622