

Supplemental data

Table S1. Primers used in the study

Gene	Primer name	Sequence	Product size (bp)
<i>hp0413</i>	HP0413-F	5'-AAACAATCTTTTTTCGTGGAA- 3'	395
	HP0413-R	3'-GAATAAGTAGGGATAAGTCG- 5'	
<i>cag7</i> (<i>hp0527</i>)	HP0527-F1	5'-AGACTGCGTATCTCAAGCCA- 3'	432
	HP0527-R1	3'-GCTTTAACGCTTTCTTTAGCTA- 5'	
<i>cag7</i> (<i>hp0527</i>)	HP0527-F2	5'-AGCAACAAGTGCTAGATTGT- 3'	830
	HP0527-R2	3'-TCTGTCGTTAGGATCGGCGT- 5'	
<i>fixA</i> (<i>hp0642</i>)	HP0642-F	5'-TCTAGGTTGCTCAAATCAT- 3'	303
	HP0642-R	3'-AATAACTTCTGTCTTCCAGC- 5'	
<i>rdxA</i> (<i>hp0954</i>)	HP0954-F	5'-ATTGCGGAATTTTACAGAGA- 3'	333
	HP0954-R	3'-CCTTATCAGTAACCATCACAAA- 5'	
<i>rdxA</i> (<i>hp0954</i>)*	rdxF863	5'-TTAGGGATTTTATTGTATGCTA - 3'	686
	rdxR1544	3'-TTGATGCAATTACTTGGTTGTGA - 5'	
<i>rpsU</i> (<i>hp0562</i>)	HP0562-F	5'-ATGCCAGGGATTAAGGTTAG- 3'	210
	HP0562-R	3'-TAGTCTTGACTCATAACGCC- 5'	
<i>rrnA16S</i> (<i>hpr04</i>)	HPr04-F	5'-AGGATGAAGGTTTTAGGATTG- 3'	1476
	HPr04-R	3'-TGTTCAATTAGATCCGAAAGA- 5'	
<i>rrnB16S</i> (<i>hpr07</i>)	HPr07-F	5'-AGGATGAAGGTTTTAGGATTG- 3'	1603
	HPr07-R	3'-AAGAGCCTGACTTCAATCAA- 5'	

cag7, *cag* pathogenicity island protein *cag7*; *fixA*, NAD(P)H-flavin oxidoreductase; *rdxA*, oxygen-insensitive NAD(P)H nitroreductase; *rpsU*, 30S ribosomal protein S21.

*: as described by Stephanie A. *et al*, 2003, J. Antimicro. Chemother.

Table S2. Fourteen mutations in 7 genes found between 26695-1 and 26695-1MET

Genes	Positions	Mutation types	No.	Wild-Type	Mutation	26695-1MET ^a	26695-1 ^b
<i>hp0413</i>	451	SNP	1	A	-	+	-
<i>cag7(hp0527)</i>	2299	indel	10	segment	-	+	-
<i>cag7(hp0527)</i>	3588	indel	1	-	A	+	-
<i>cag7(hp0527)</i>	2250	SNP	1	G	A	+	-
<i>cag7(hp0527)</i>	2313	SNP	1	T	C	+	-
<i>cag7(hp0527)</i>	2372	SNP	1	C	T	+	-
<i>cag7(hp0527)</i>	2377	SNP	1	G	T	+	-
<i>cag7(hp0527)</i>	3717	SNP	1	A	G	+	-
<i>cag7(hp0527)</i>	3721	SNP	1	A	T	+	-
<i>frxA(hp0642)</i>	571	indel	2	-	TA	+	-
<i>rdxA(hp0954)</i>	3	SNP	1	A	G	+	-
<i>rpsU(hp0562)</i>	37	SNP	1	G	T	+	-
<i>rrnA16S(hpr04)</i>	871	indel	3	GTG	-	+	-
<i>rrnB16S(hpr07)</i>	1142	SNP	1	A	-	+	-

^a, metronidazole-resistant strain.

^b, wild-type 26695 strain.

(+): mutations or deletions occurred.

(-), no mutations or deletions occurred.