

Supplementary Table S1: Primers used for PCR amplification and nucleotide sequencing

Primer	Sequence (5'-3')	Use	Reference*
1254	CCGCAGCCAA	RAPD-PCR	40
1281	AACGCGCAAC	RAPD-PCR	40
1283	GCGATCCCCA	RAPD-PCR	40
1290	GTGGATGCGA	RAPD-PCR	40
mutY101	AGCGAAGTGATGAGCCAACAAAC	<i>mutY</i> amplification and sequencing	S1
mutY102	AAAGGGCAAATCGCACATTTGGG	<i>mutY</i> amplification and sequencing	S1
hp0833F	CAGCCATTGATCCCCTTC	<i>yphC</i> amplification and sequencing	this study
hp0835R	CCGCTTTGTTCATGTGG	<i>yphC</i> amplification and sequencing	this study
yphC F1	CACTATTACCACGCCTATTTTTTTGAC	<i>yphC</i> sequencing	S1
yphC R4	AAGCAGCTGGTTGTGATCACGGGGGC	<i>yphC</i>	S1

		sequencing	
A3436 (VA1-F)	ATGGAAATACAACAAACACAC	<i>vacA</i> signal typing and sequencing	13
C1226 (VA1-R)	CTGCTTGAATGCGCCAAAC	<i>vacA</i> signal typing	13
VAGF	CAATCTGTCAATCAAGCGAG	<i>vacA</i> mid- region typing and sequencing	S2
VAGR	CTAGCGTCAAATAATTCCAAGG	<i>vacA</i> mid- region typing and sequencing	S2
C1039	GGTCAAATGCGGTCATGG	<i>vacA</i> m1 region typing	this study
C1031	CCATTGGTACCTGTAGAAAC	<i>vacA</i> m1 region typing	this study
A1775	GGAGCCCCAGGAAACATTG	<i>vacA</i> m2 region typing	this study
A1776	CATAACTAGCGCCTTGAC	<i>vacA</i> m2 region typing	this study
DL1	GCTTTGATGGACACCCACAAGG	<i>vacA</i> sequencing	24
VacF1	GTTGGGATTGGGGGAATGCCG	<i>vacA</i>	24

			sequencing	
DL2	GTCATTATGCAAAAAGCCAC	<i>vacA</i>		24
			sequencing	
VacF2	CAATTTGGCTTCAAACAGCG	<i>vacA</i>		this study
			sequencing	
VacR9	TGTTTATCGTGCTGTATGAAGG	<i>vacA</i>		this study
			sequencing	
VacR7	GAGCTTGTTGATATTGAC	<i>vacA</i>		this study
			sequencing	
B3334	CTTGGAATTATTTTGACGCTAG	<i>vacA</i>		this study
			sequencing	
JB7	GGCTATCGGCAATCAAAGCA	<i>vacA</i>		this study
(VacF6)			sequencing	
VacR5	CATGCTTTGATTGCCGATAGC	<i>vacA</i>		24
			sequencing	
VacR4	ATCAATCAATAAGGTTTGTAAGA	<i>vacA</i>		24
			sequencing	
B1514	CGTTAGCCCAAACATTGGTAG	<i>vacA</i>		this study
(VacR3)			sequencing	
JB9	GCTCTTGTTGCAGCGCTATAG	<i>vacA</i>		this study
(VacR2)			sequencing	
C1238	CACCCATCATCACTCTGGC	<i>vacA</i>		this study
(VacR1)			sequencing	
C1239	GCTTGTGGTGTATGCGTTG	<i>vacA</i>		this study
			sequencing	

PAI 2	ACATTTTGGCTAAATAAACGCTG	<i>cag</i> PaI	S3
		empty site	
PAI 25	TCATGCGAGCGGCGATGTG	<i>cag</i> PaI	S3
		empty site	
cag2	GGAACCCTAGTCGGTAATG	<i>cagA</i> VR	S4
		typing and	
		<i>cagA</i>	
		sequencing	
cag4	ATCTTTGAGCTTGTCTATCG	<i>cagA</i> VR	S4
		typing and	
		<i>cagA</i>	
		sequencing	
cagA21F	TATAGAAGGAGAAACA	<i>cagA</i>	this study
		sequencing	
cagA22R	GAGAGAAAAATATCCAACCAATC	<i>cagA</i>	this study
		sequencing	
cagA22F	TTCATGGGCGTGTTTGATG	<i>cagA</i>	this study
		sequencing	
cagA23R	ATAATCTTTGAGAGTG TAGCTC	<i>cagA</i>	this study
		sequencing	
cagA23F	GCTTATTTAGACGCCCTAG	<i>cagA</i>	this study
		sequencing	
cagA24R	GTAAGCGATTGCTCTTGC	<i>cagA</i>	this study
		sequencing	
cagA24F	CTCAAGCTAACAGCCAA	<i>cagA</i>	this study

		sequencing	
cagA27R	TAGCAAGGGGTGGTTTTTGC	<i>cagA</i>	this study
		sequencing	
cagA28F	TTCTCAAAGGAGCAATTGGC	<i>cagA</i>	S5
		sequencing	
cagA28R	CGGATTGGTATAGTGCAG	<i>cagA</i>	this study
		sequencing	

*Supplementary references:

- S1. Achtman M, Azuma T, Berg DE et al. Recombination and clonal groupings with *Helicobacter pylori* from different geographical regions. *Mol Microbiol* 1999;32:459-70.
- S2. Atherton JC, Cover TL, Twells RJ, Morales MR, Hawkey CJ, Blaser MJ. Simple and accurate PCR-based system for typing vacuolating cytotoxin alleles of *Helicobacter pylori*. *J Clin Microbiol* 1999;37:2979-82.
- S3. Akopyants NS, Clifton SW, Kersulyte D et al. Analyses of the *cag* pathogenicity island of *Helicobacter pylori*. *Mol Microbiol* 1998;28:37-53.
- S4. Rudi J, Kolb C, Maiwald M et al. Diversity of *Helicobacter pylori vacA* and *cagA* genes and relationship to VacA and CagA protein expression, cytotoxin production, and associated diseases. *J Clin Microbiol* 1998;36:944-8.
- S5. Argent RH, Zhang Y, Atherton JC. Simple method for determination of the number of *Helicobacter pylori* CagA variable-region EPIYA tyrosine phosphorylation motifs by PCR. *J Clin Microbiol* 2005;43:791-5.