

Supplemental Table S1: Characteristics of *H. pylori* strains and encoded HtrA proteins used in this study^a.

<i>H. pylori</i> strain	Origin	Pathology	<i>htrA</i> gene size (bp)	HtrA protein size (aa)	Accession Number	Reference	HtrA secretion ^b	E-cadherin cleavage ^c	HtrA mutant ^d
26695	UK	Gastritis	1,428	476	AFV42231.1	Tomb <i>et al.</i> , 1997	+	+	-
Lit75	Lithuania	Non-atrophic gastritis	1,428	476	ADU82875.1	Kersulyte <i>et al.</i> , 2010	+	+	-
Sat464	Peru	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ADO05177.1	Kersulyte <i>et al.</i> , 2010	+	+	-
Gam94/24	Gambia	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ADU81307.1	Kersulyte <i>et al.</i> , 2010	+	+	-
Safr7	South Africa	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ADU84449.1	Duncan <i>et al.</i> , 2013	+	+	-
B128	USA	Peptic ulcer	1,428	476	EEC25455.1	McClain <i>et al.</i> , 2009	+	+	-
B8	USA	Peptic ulcer	1,428	476	CBI66691.1	Farnbacher <i>et al.</i> , 2010	+	+	-
J99	USA	Duodenal ulcer	1,428	476	AAD05980.1	Alm <i>et al.</i> , 1998	+	+	-
G27	Italy	n.s.	1,428	476	ACI27174.1	Baltrus <i>et al.</i> , 2009	+	+	-
HPAG1	Sweden	Atrophic gastritis	1,428	476	ABF84495.1	Oh <i>et al.</i> , 2006	+	+	-
TN2-GF4	Japan	Gastric ulcer	1,428	476	---	unpublished	+	+	-
83	Japan	Gastric cancer	1,428	476	AEE70094.1	Yahara <i>et al.</i> , 2013	+	+	-
35A	Japan	Gastric ulcer	1,428	476	ADU40801.1	Yahara K <i>et al.</i> , 2013	+	+	-
Shi470	Peru	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ACD47894.1	Kersulyte <i>et al.</i> , 2010	+	+	-
Cuz20	Peru	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ADO03669.1	Kersulyte <i>et al.</i> , 2010	+	+	-
Pecan4	Peru	Gastric cancer	1,428	476	ADO06675.1	Kersulyte <i>et al.</i> , 2010	+	+	-
P12	Germany	Duodenal ulcer	1,428	476	ACJ07582.1	Fischer <i>et al.</i> , 2010	+	+	-
SJM180	Peru	Gastritis	1,428	476	ADO02048.1	Kersulyte <i>et al.</i> , 2010	+	+	-
India7	India	Not evaluated directly [Non-atrophic gastritis assumed]	1,428	476	ADU79653.1	Kersulyte <i>et al.</i> , 2010	+	+	-
B38	France	MALT lymphoma	1,428	476	CAX28976.1	Thibierge <i>et al.</i> , 2010	+	+	-
SS1	Australia	Peptic ulcer	1,428	476	---	unpublished	+	+	-

^a Abbreviations used: aa (amino acids), bp (base pairs), n.s. not specified

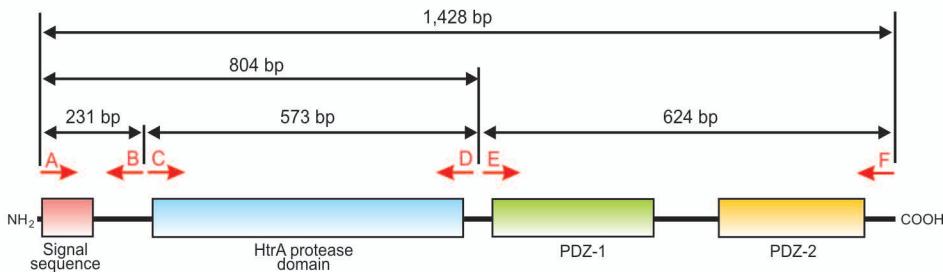
^b HtrA secretion in the culture supernatant was done in BHI medium for 12h and tested by Western blotting as described in the Materials and Methods section.

^c HtrA cleavage of recombinant E-cadherin was done as described in the Materials and Methods section.

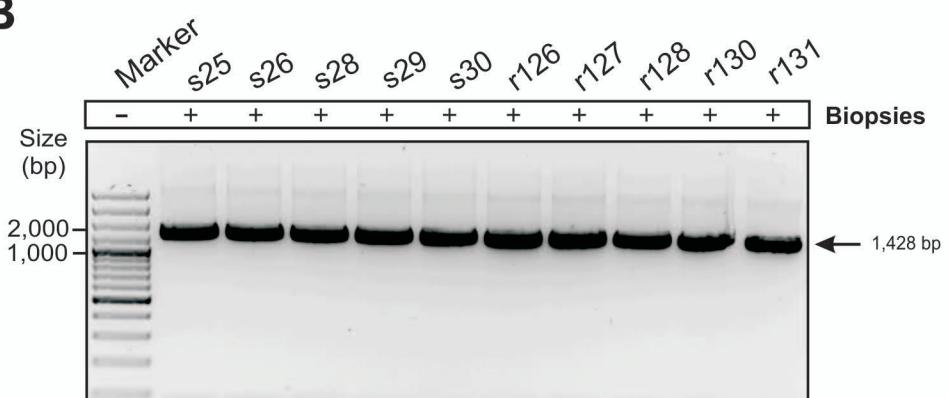
^d HtrA gene knockout mutagenesis was attempted both by natural transformation and electroporation as described in the Materials and Methods section.

Suppl. Figure 1

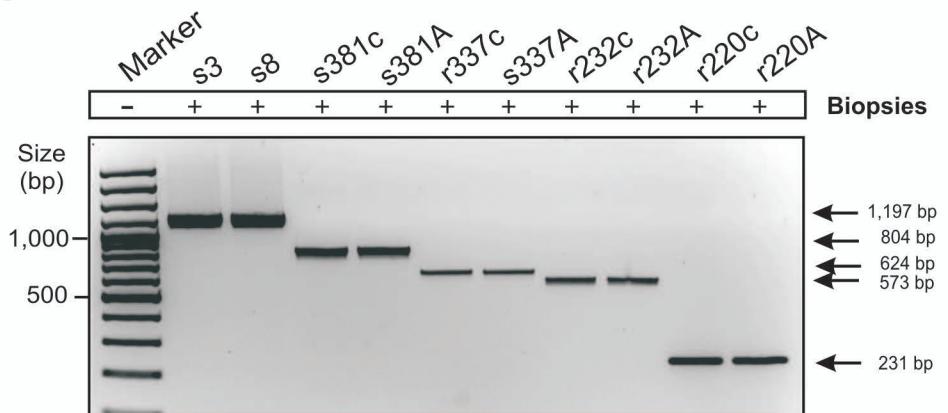
A



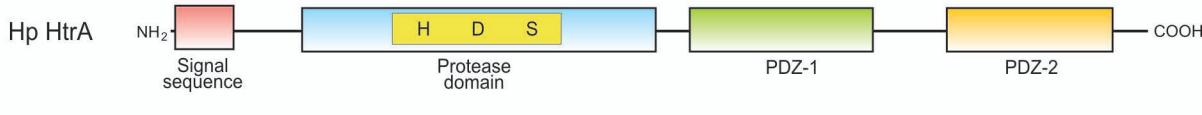
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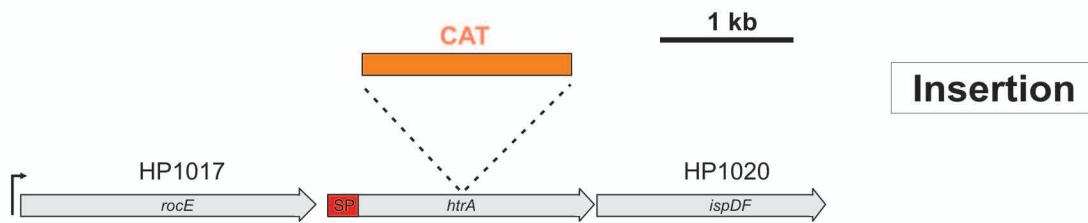
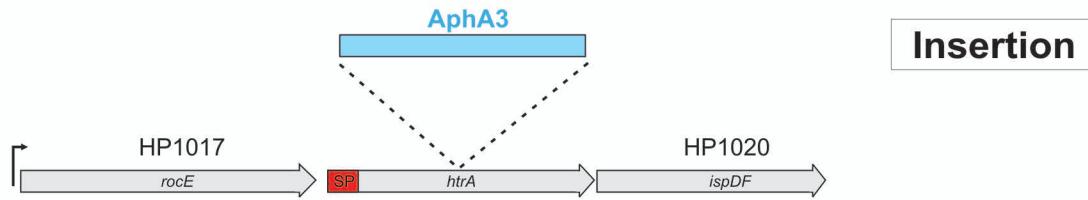
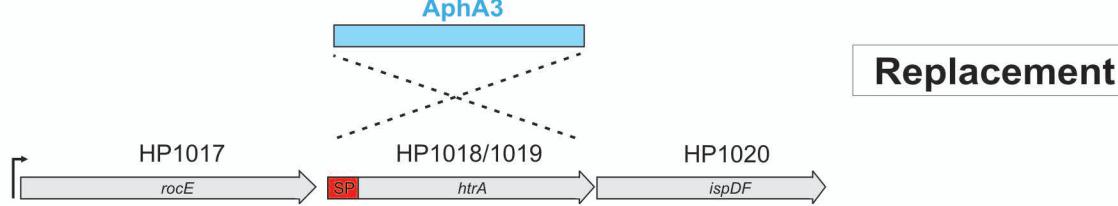
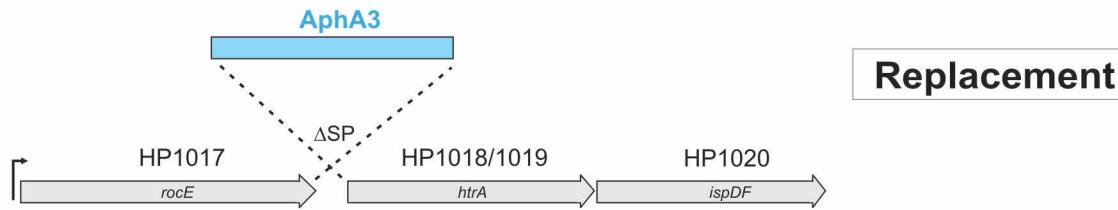
C



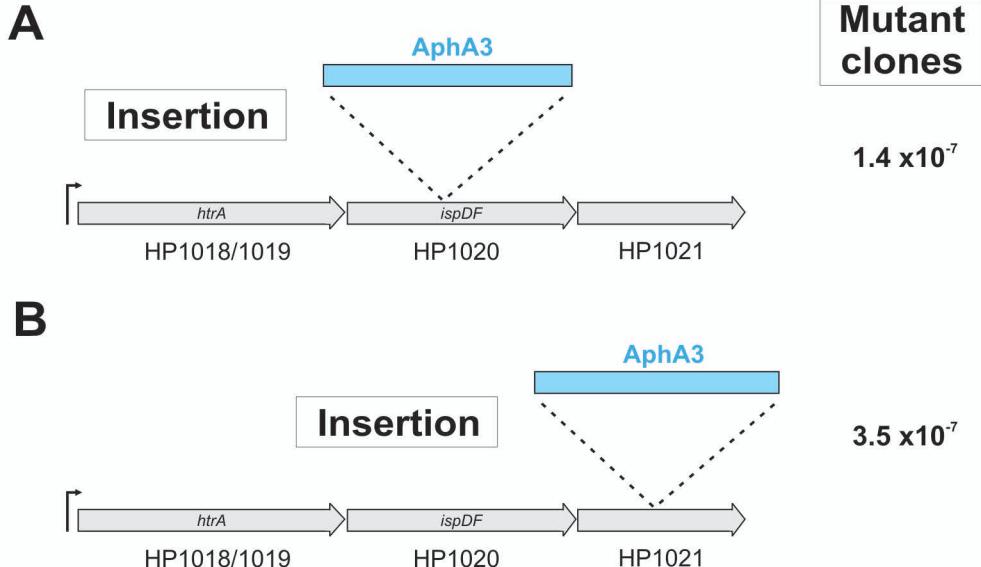
Suppl. Figure 2



Suppl. Figure 3

A**Mutant clones****B****C****D****Mutant clones**

Suppl. Figure 4



Suppl. Figure 5

