

Supplementary information

Calcium binding protects E-cadherin from cleavage by *Helicobacter pylori* HtrA

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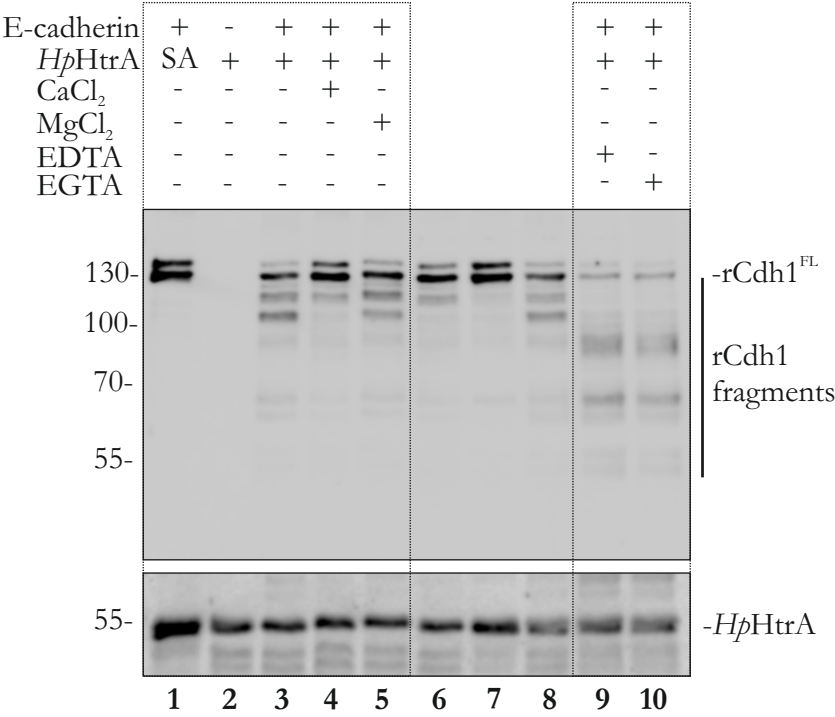
Figure legends

Figure S1. Calcium ions, but not magnesium ions change the HtrA-mediated E-cadherin cleavage pattern. (A) Human E-cadherin (hCdh1) was incubated with HpHtrA wild type (+) or with the proteolytic inactive HpHtrA (SA). Where indicated 100 μ M CaCl₂, 100 μ M MgCl₂, 125 μ M EDTA or 125 μ M EGTA was included. Full-length E-cadherin (rCdh1^{FL}) and rCdh1 fragments were detected by Western blot using a specific antibody. HpHtrA was probed using a polyclonal antibody to show equal protein loading. **(B)** 10 μ g casein were incubated with 1 μ g recombinant HpHtrA and, as indicated, with 1 mM CaCl₂ or MgCl₂ or 16 h at 37°C. Samples were separated by SDS PAGE and proteins were stained by Coomassie G250.

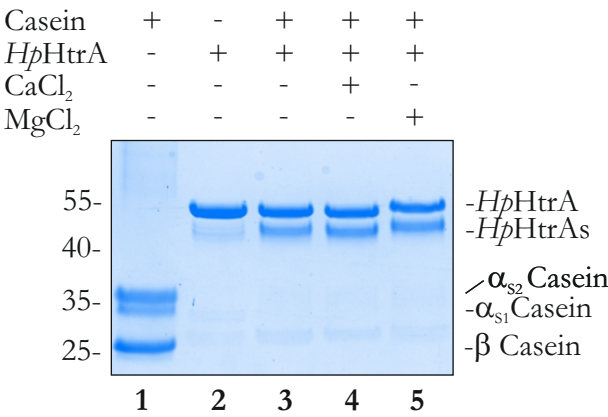
Figure S2: Original images of coomassie-stained SDS gels as shown in Fig. 2. Analysis of casein cleavage by HtrA in the presence of increasing concentration of CaCl₂ **(A)** and EDTA **(B)**.

Supplement Figure 1

A



B



Supplement Figure 2

