

Supporting information

Simultaneous analysis of cardiolipin and lipid A from *Helicobacter pylori* by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

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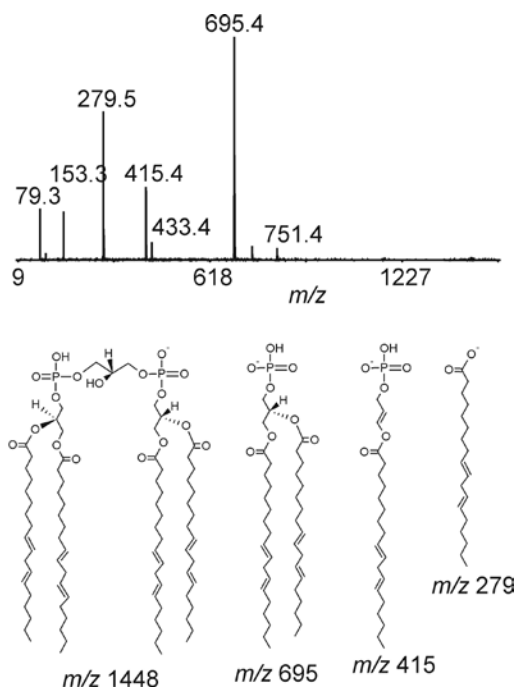


Figure S1. MS/MS spectrum produced by m/z 1448.

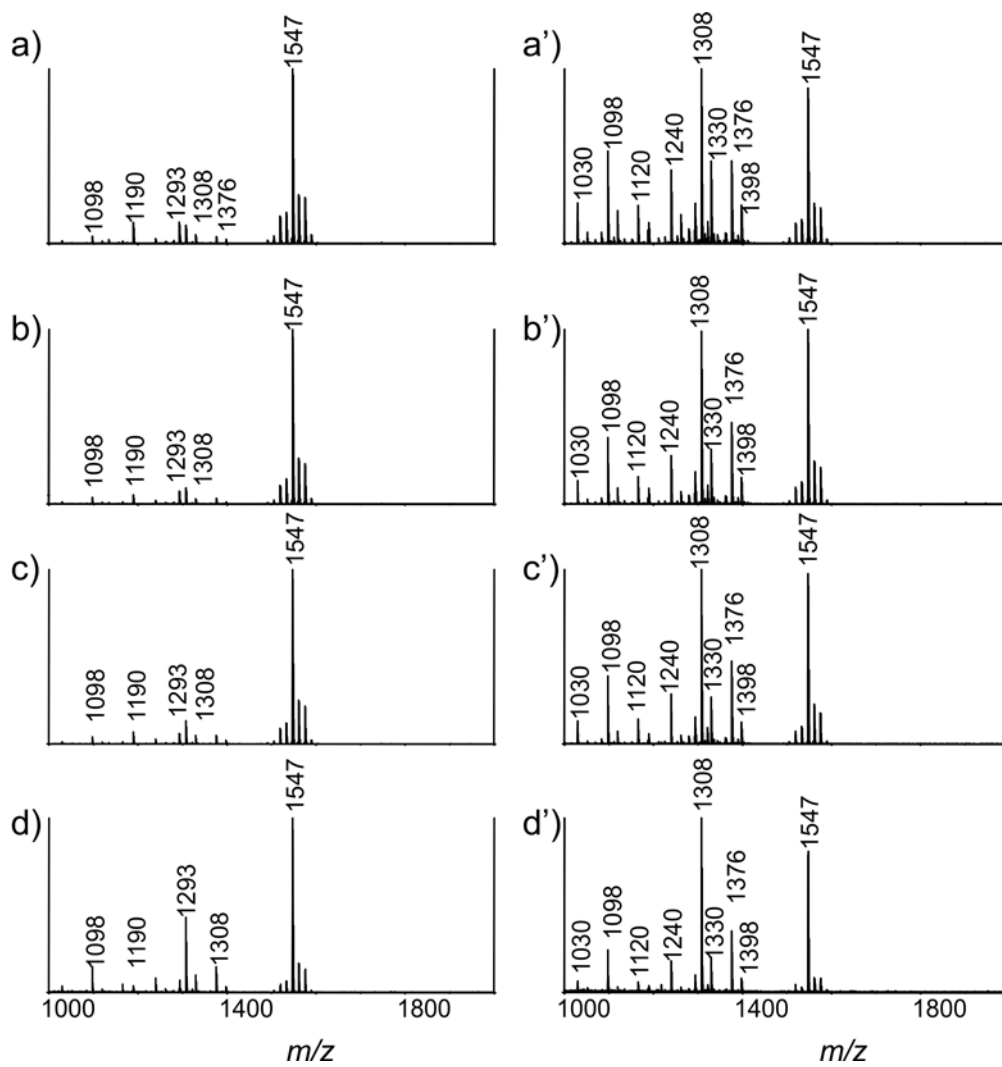


Figure S2. The effect of ammonium acetate on the extraction conditions of CL from *H. pylori*, strain NCTC 11637 (ATCC 43504), with different amounts of dried cells. (a) 250 µg, no AA, (b) 100 µg, (c) 50 µg and (d) 10 µg of dried cells. (a') 250 µg, with AA, (b') 100 µg, (c') 50 µg and (d') 10 µg of dried cells.

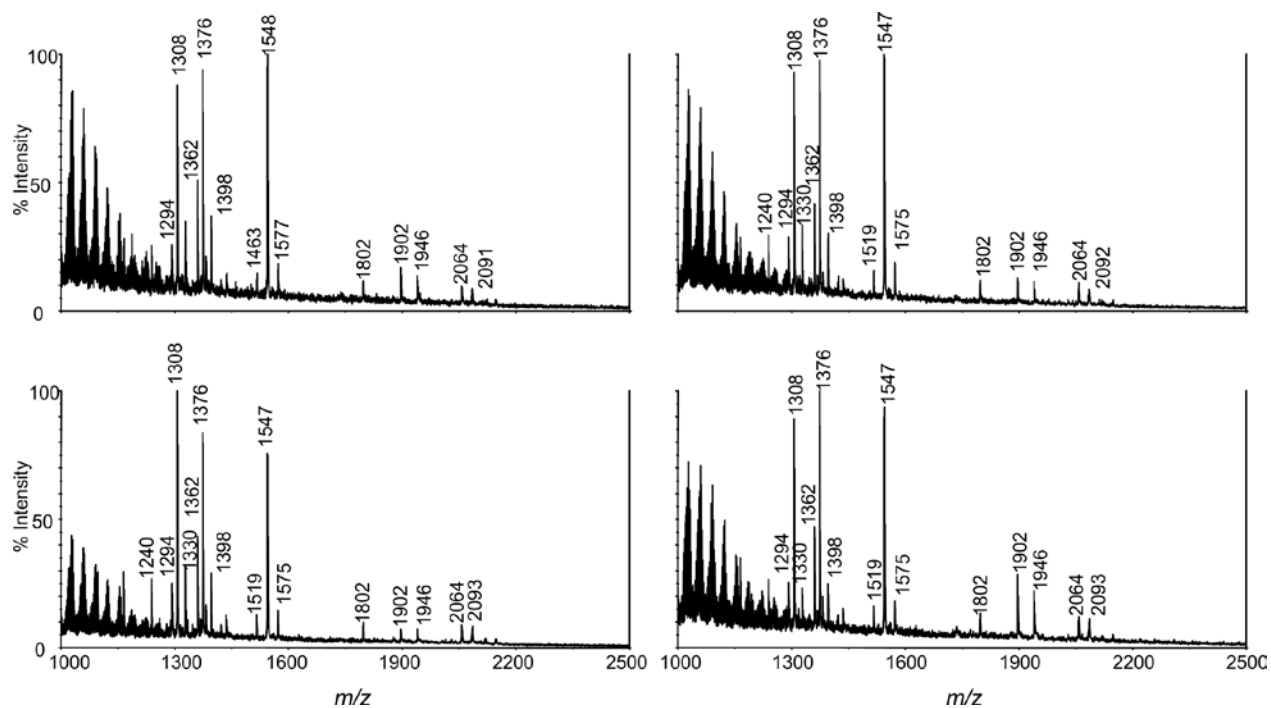


Figure S3. MALDI analysis of single colonies of *ex vivo* *H. pylori* strain NCTC 11637 (ATCC 43504) following 12 week colonization experiments in Mongolian gerbils. The bacteria were collected from *ex vivo* source and cultured in the presence of an uninfected gerbil stomach tissue.

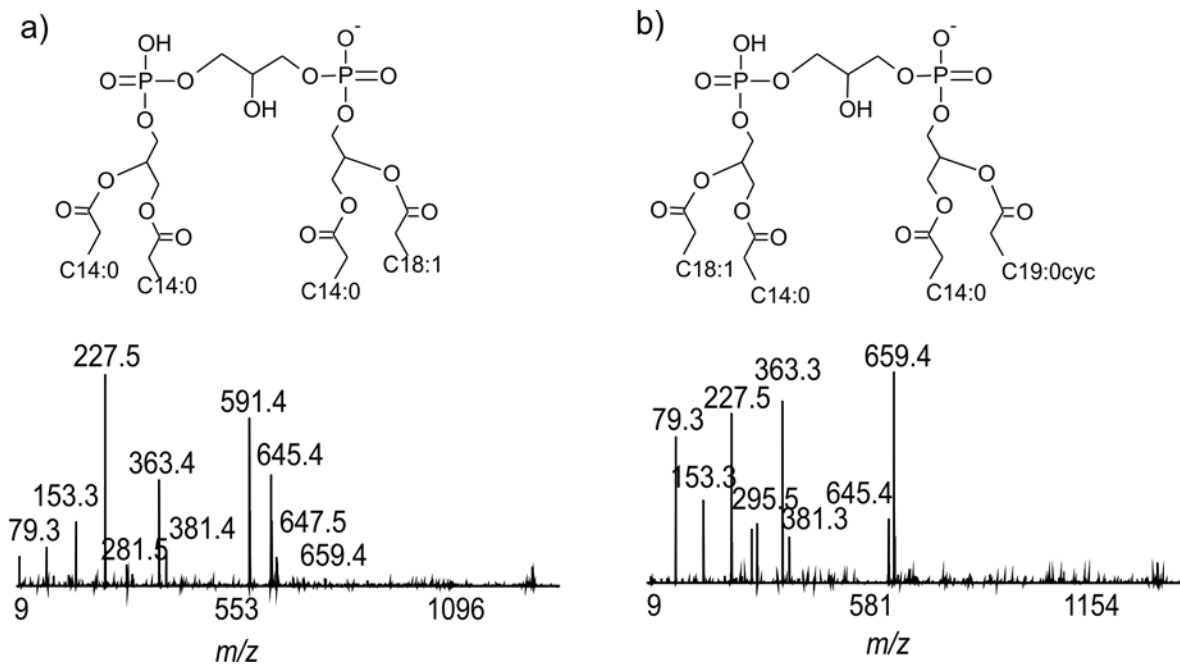


Figure S4. MS/MS of m/z 1294 and 1362 confirmed the structures of main CL detected in *H. pylori ex vivo* samples.

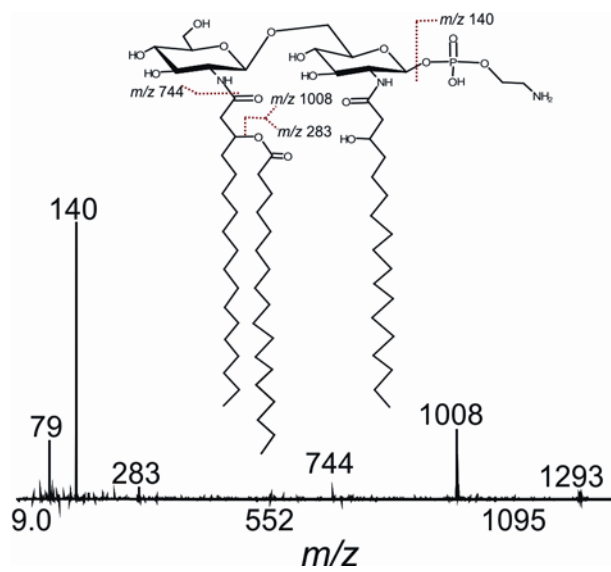


Figure S5. MS/MS of m/z 1293 revealed that the species can be assigned as a lipid A.