

**Figure S4.** Western blot analysis of *H. pylori* cells, treated with various concentrations of sub-fractions, to quantify the expression levels of HopZ, BabA and CagA proteins. DMSO was used as the control treatment (C), while HP1043 staining was used as the loading control. Sub-fraction SD1 (20% Cyhex/EtOAc), sub-fraction SE3 (70% MeOH/H2O) and sub-fraction SF (80% Cyhex/EtOAc) were from fractions D, E and F, respectively.