

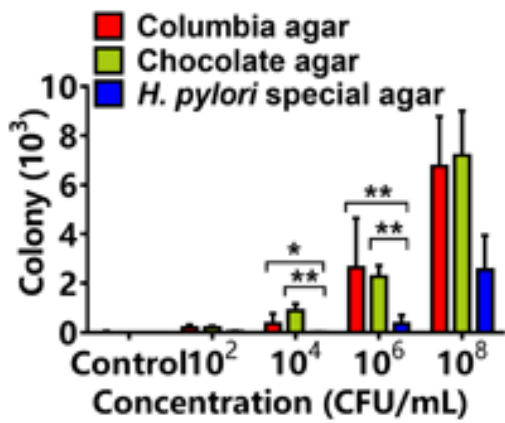
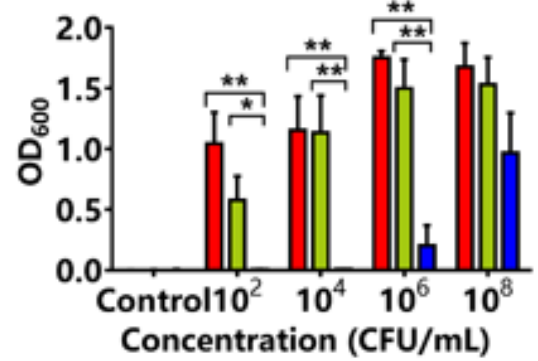
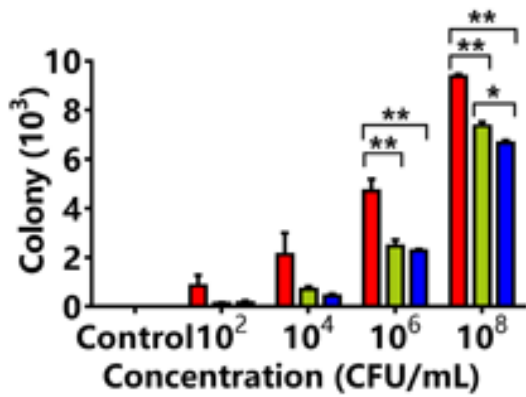
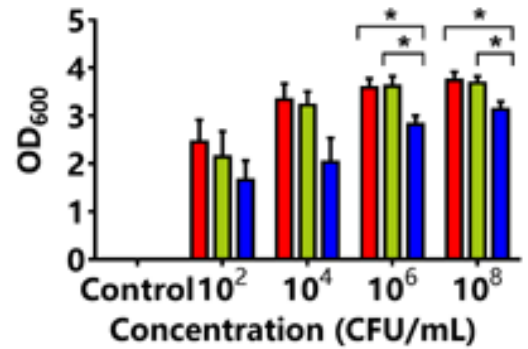
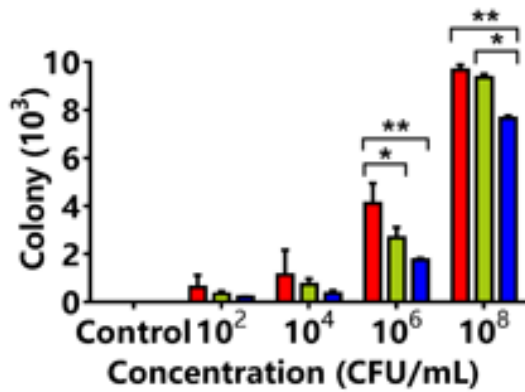
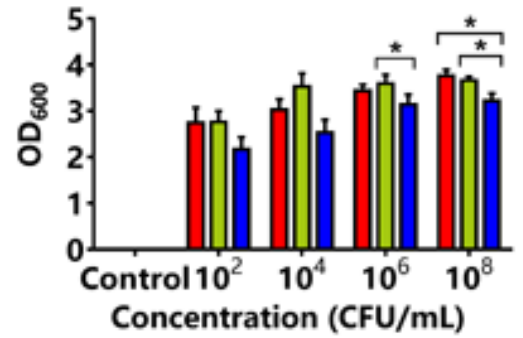
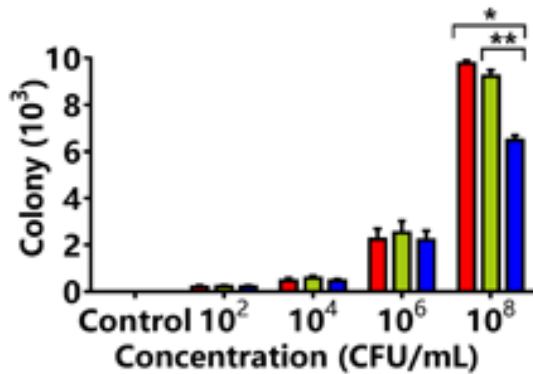
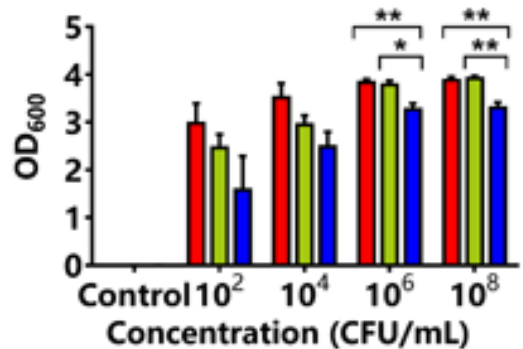
A**ATCC 43504****B****Wild type I****C****Wild type II****D****Wild type III**

Fig. S1. The growth of *H. pylori* strains (ATCC 43504 and 3 wild types) on Columbia blood agars, chocolate agars, and *H. pylori* special agars. (A) The colony numbers and OD₆₀₀ of colony suspensions in *H. pylori* ATCC 43504 when the inoculum concentrations were 1×10^2 , 10^4 , 10^6 , and 10^8 CFU/mL (n=6). (B) The colony numbers and OD₆₀₀ of colony suspensions in *H. pylori* wild type I (n=6). (C) *H. pylori* wild type II (n=6). (D) *H. pylori* wild type III (n=6). Saline solution was the control. Mean \pm SE, * $P < 0.05$, ** $P < 0.01$ vs control, one-way ANOVA and the Student's t-test.

A

ATCC 43504

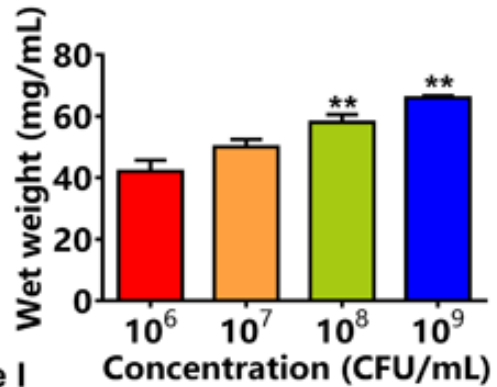
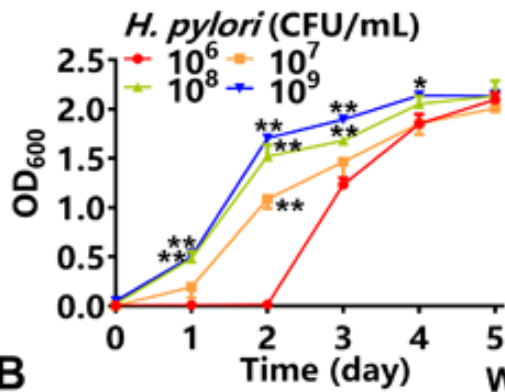
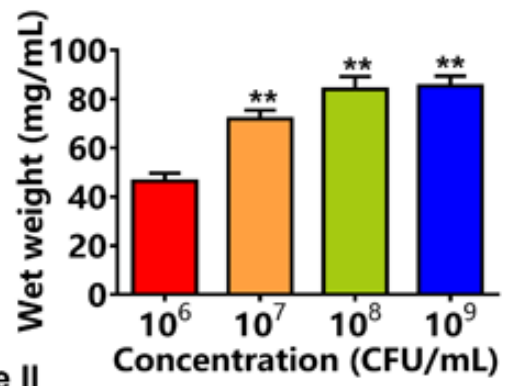
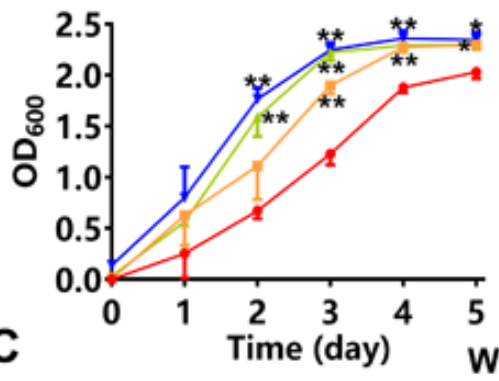
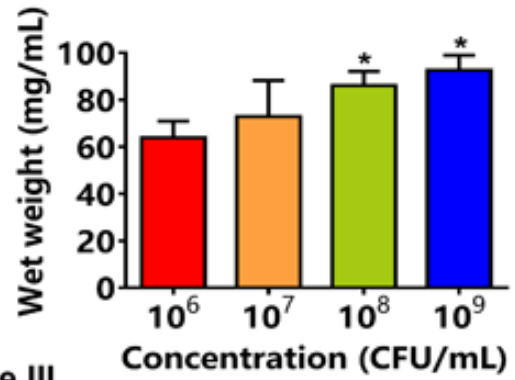
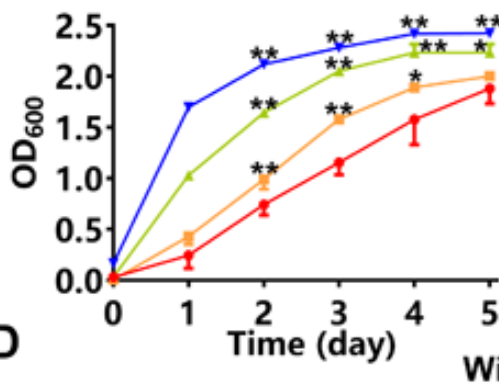
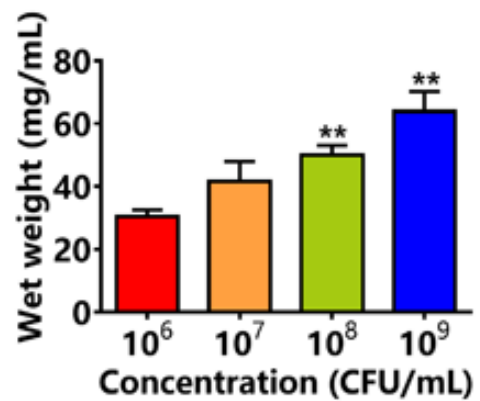
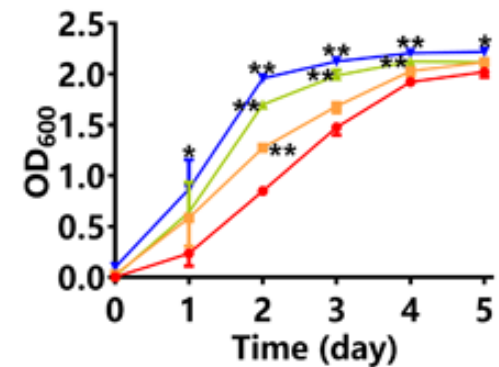
**B****C****D**

Fig. S2. The growth of *H. pylori* strains (ATCC 43504 and 3 wild types) in special peptone broth. (A) The OD₆₀₀ and wet weights of *H. pylori* ATCC 43504 when the inoculum concentrations were 1×10^6 , 10^7 , 10^8 , and 10^9 CFU/mL (n=5). (B) The OD₆₀₀ and wet weights of *H. pylori* wild type I (n=5). (C) *H. pylori* wild type II (n=5). (D) *H. pylori* wild type III (n=5). Mean \pm SE, * $P < 0.05$, ** $P < 0.01$ vs 10^6 CFU/mL, one-way ANOVA and the Student's t-test.

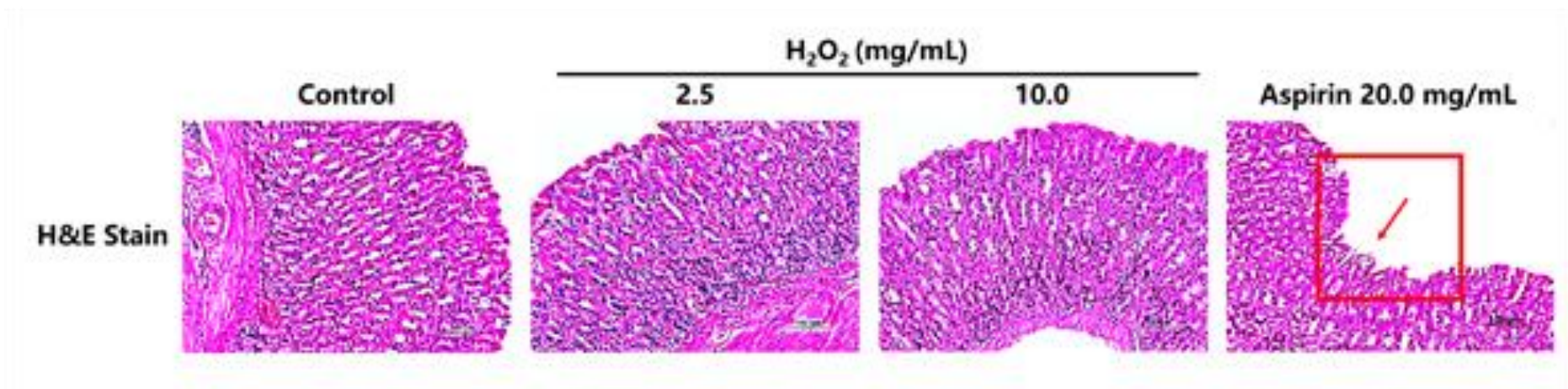


Fig. S3. The effect of hydrogen peroxide on gastric mucosa in Kunming mice. H&E stain. Aspirin 20.0 mg/mL was the positive control. The red arrow and the border showed the gastric ulcer.