

Figure S1. The expression levels of miR-7 and miR-153 following mimics treatment. (A) Fold changes of miR-7 and miR-153 were assessed by RT-qPCR when miR-7, miR-153 or miR-7 and miR-153 together were transfected in GES-1/HP cells. ***P<0.001, ns, not significant. (B) Fold changes of miR-7 and miR-153 were assessed by RT-qPCR when miR-7, miR-153 or miR-7 and miR-153 together were transfected in *H. pylori*-infected HGC-27 cells. ***P<0.001, ns, not significant. miR, microRNA; RT-qPCR, reverse transcription-quantitative PCR; *H. pylori*, *Helicobacter pylori*.

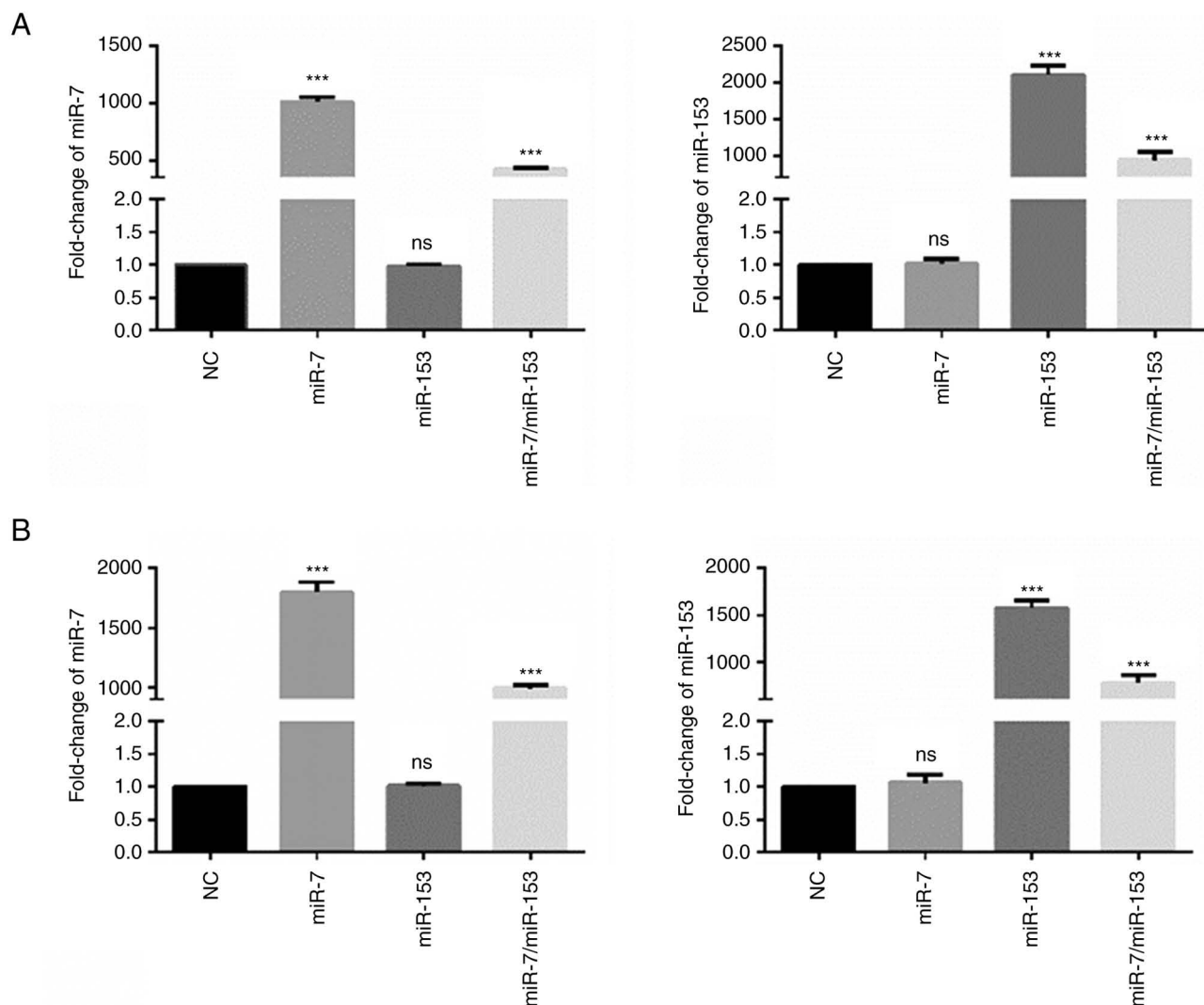


Figure S2. Roles of miR-7 and miR-153 combination in HGC-27 cells under *H. pylori* infection. (A) Apoptosis analysis. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. (B) EdU assay. * $P < 0.01$, ** $P < 0.001$. Scale bar, 500 μm . (C) Clone formation assay. * $P < 0.05$, ** $P < 0.001$. (D) Cell cycle analysis. * $P < 0.05$, ** $P < 0.01$. (E) Changes of apoptosis, autophagy, cell proliferation and cell cycle related protein determined by western blotting. miR, microRNA; RT-qPCR, reverse transcription-quantitative PCR; *H. pylori*, *Helicobacter pylori*; NC, negative control.

