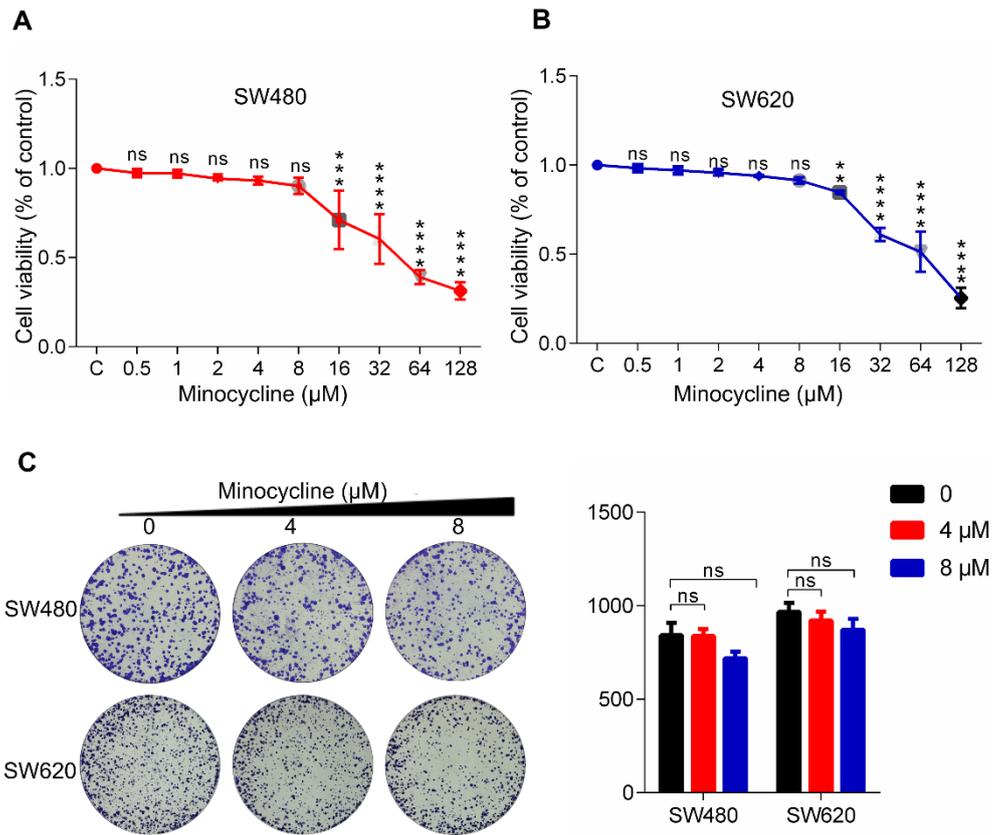


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2 **Supplementary Figure 1. Minocycline has no obvious effect on the CRC cell**
 3 **growth at relatively low concentrations.** (A-B) CRC cell lines SW480 and SW620
 4 were treated with various concentrations of minocycline for 48h and subjected to cell
 5 viability assay. (C) Colony formation assay of SW480 and SW620 cells treated with
 6 the indicated concentrations of minocycline. Representative images (Left) and
 7 quantification of colonies (Right) were shown. Error bars indicate the mean \pm SD of
 8 three independent experiments. **, $P < 0.01$; ***, $P < 0.001$; ****, $P < 0.0001$.



9

10 **Supplementary Figure 2. Minocycline inhibits the lung metastasis. (A)**

11 Representative images and statistical analysis of the number of lung metastatic

12 nodules following injection of minocycline-treated CT26 cells. (B-C) Representative

13 images of H&E staining (B) and the weight of mice lung (C) following injection of

14 minocycline-treated CT26 cells. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$.

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