



Supplementary Materials

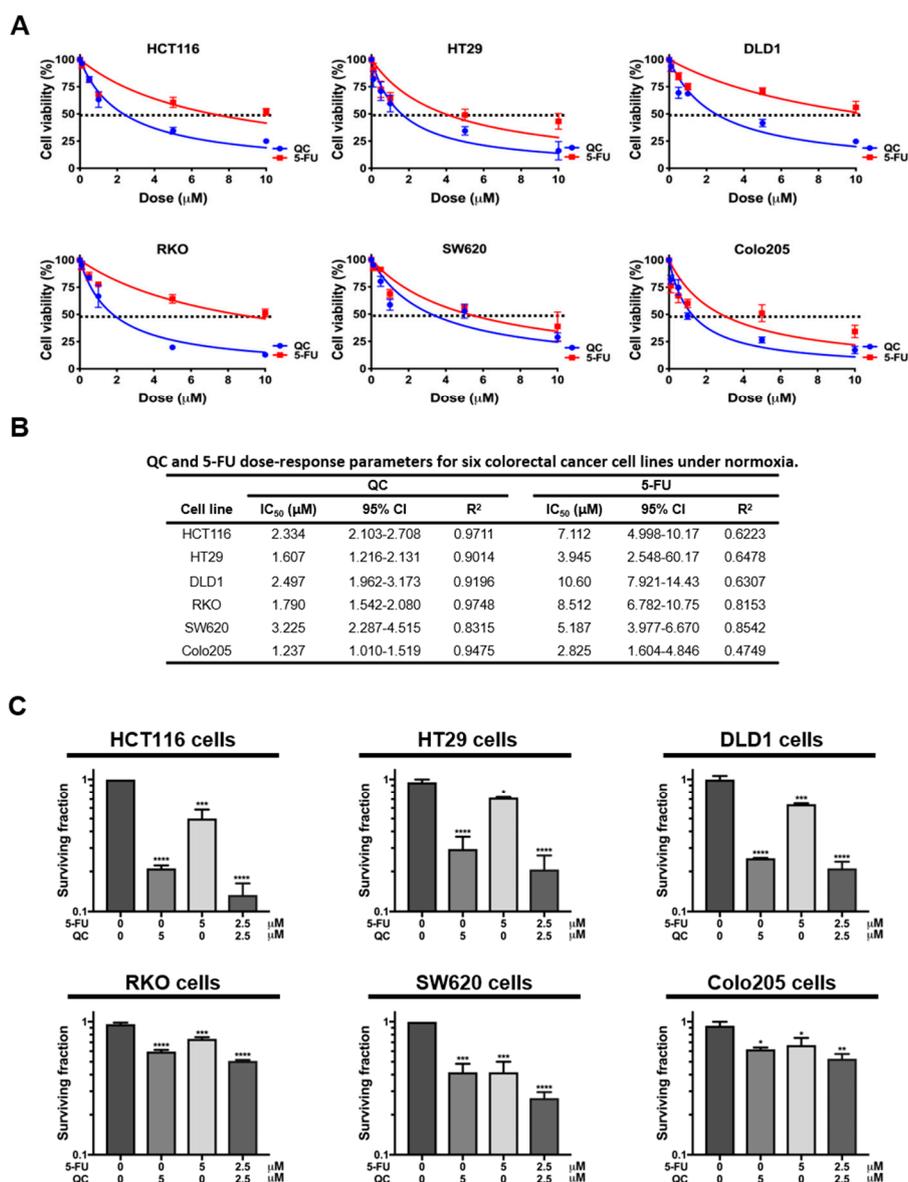


Figure 1. QC sensitizes CRC cells to 5-FU treatment under normoxia. **(A)** ATP-Glo assay for the QC or 5-FU treatment in HCT116, HT29, DLD1, RKO, SW620, Colo205 cells under normoxia. **(B)** the summary of IC₅₀ of QC or 5-FU treatment of all the tested CRC cells is shown with 95% CI. **(C)** Clonogenic survival assay for the QC and 5-FU combination and single-agent treatment in HCT116, HT29, DLD1, RKO, SW620, and Colo205 cells.

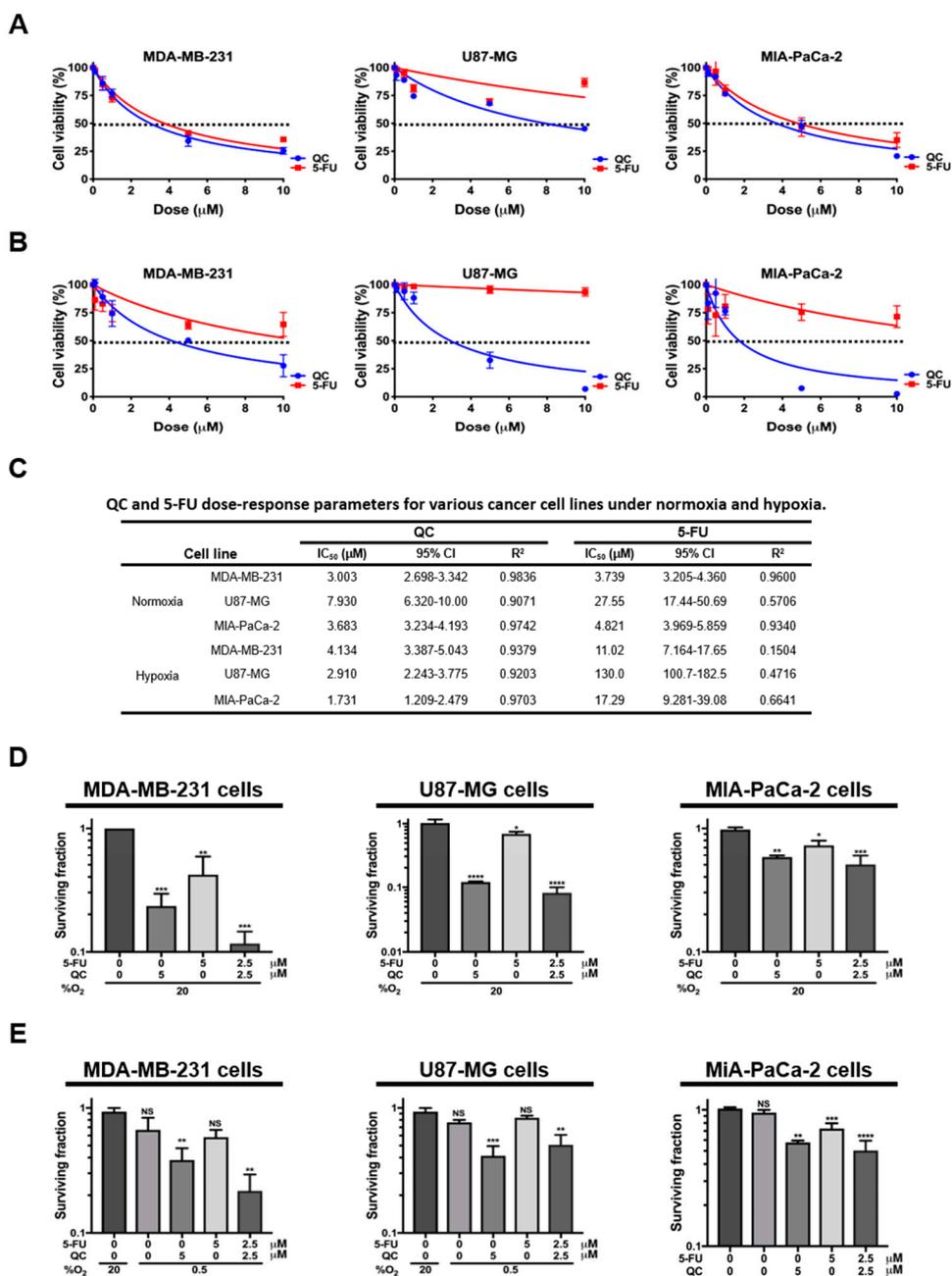


Figure 2. QC sensitizes various cancer cells to 5-FU treatment under normoxia and hypoxia. (A,B) ATP-Glo assay for the QC or 5-FU treatment in various cancer cells (MDA-MB-231, U87-MG, and MIA-PaCa-2) under normoxia (A) and hypoxia (B). (C) the summary of IC₅₀ of QC or 5-FU treatment of all the tested various cancer cells is shown with 95% CI. (D,E) Clonogenic survival assay for the QC and 5-FU combination and single-agent treatment in various cancer cells under normoxia (D) and hypoxia (E).

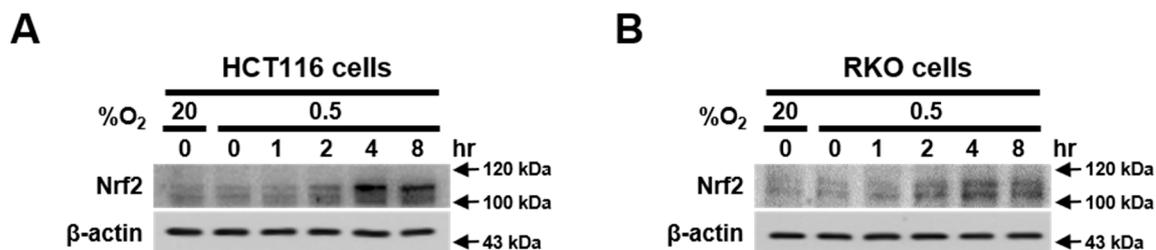


Figure 3. Effects of Nrf2 expression in CRC cells. (A,B) HCT116 (A) and RKO (B) cells were exposed to 0.5% O₂, and cells were harvested at the indicated times. Then, the whole-cell lysates were analyzed by immunoblotting for the indicated proteins. Representative images of Nrf2 and β-actin were detected by immunoblot.

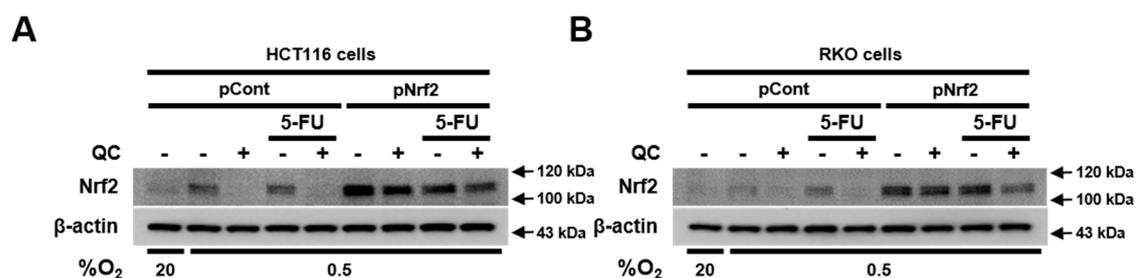


Figure 4. QC sensitizes CRC cells to 5-FU under hypoxia by inhibiting Nrf2. (A,B) HCT116 (A) and RKO (B) cells were transfected with or without pCont or pNrf2, treated with or without QC, 5-FU, or QC and 5-FU and exposed to 0.5% O₂. After 4 hr, the cells were harvested, and the whole-cell lysates were analyzed by immunoblotting for the indicated proteins. Representative images of Nrf2 and β-actin were detected by immunoblot.