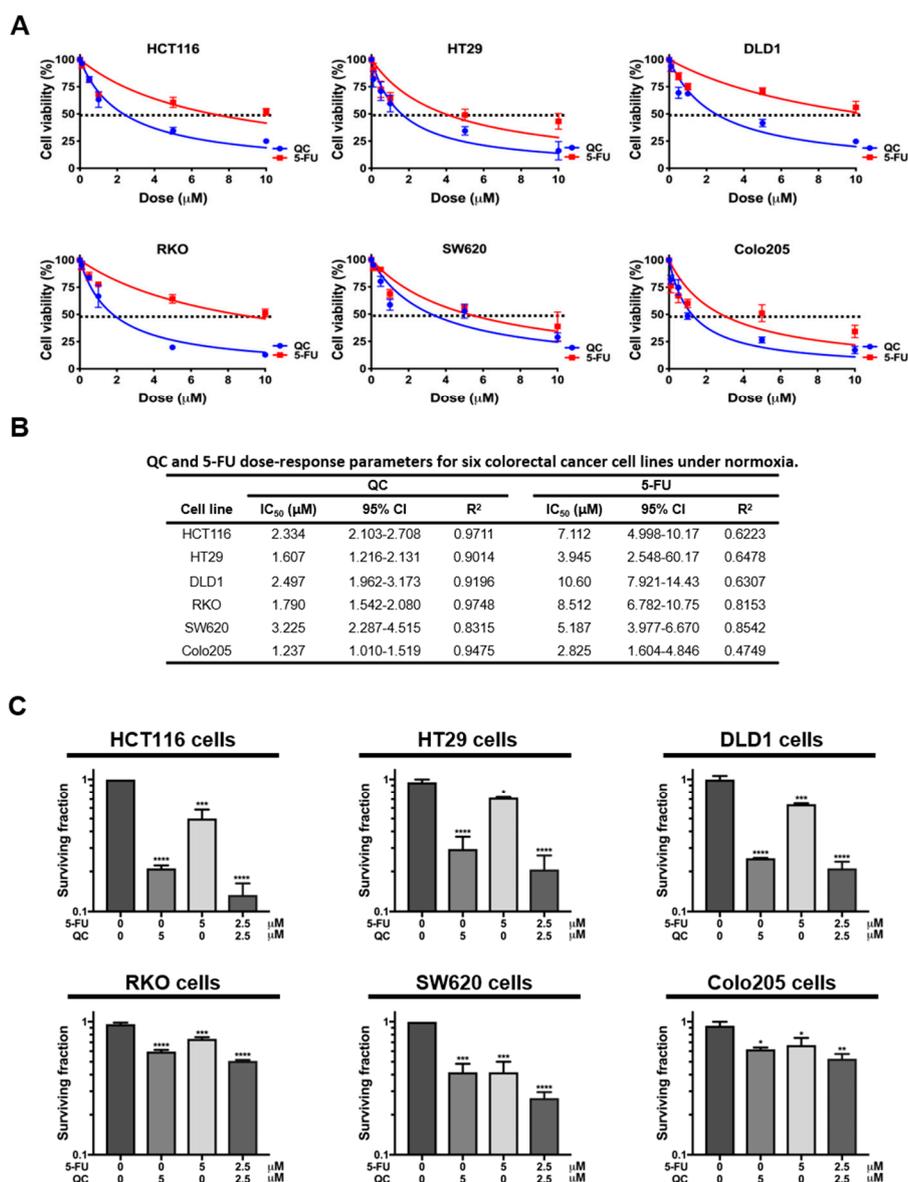
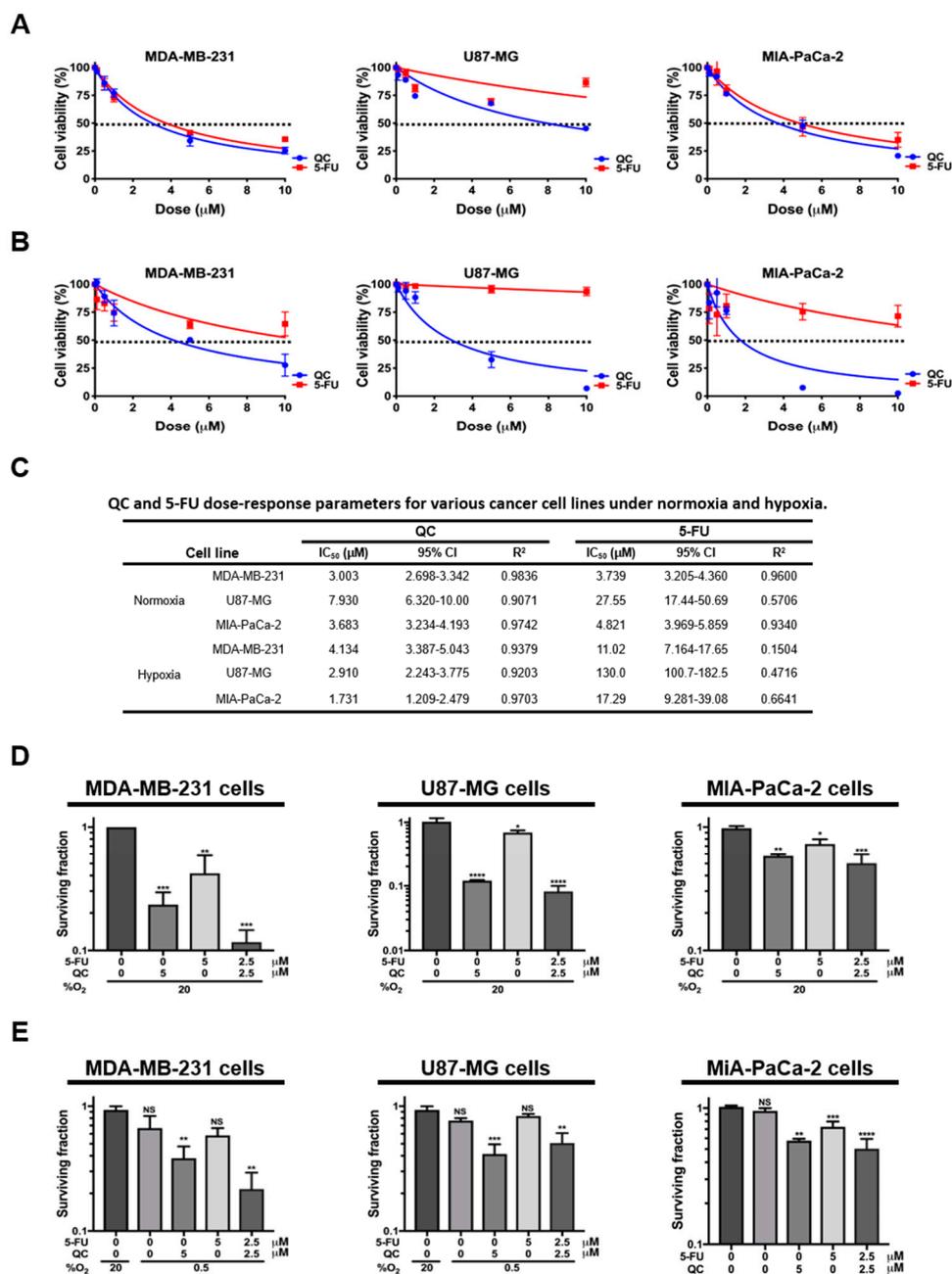




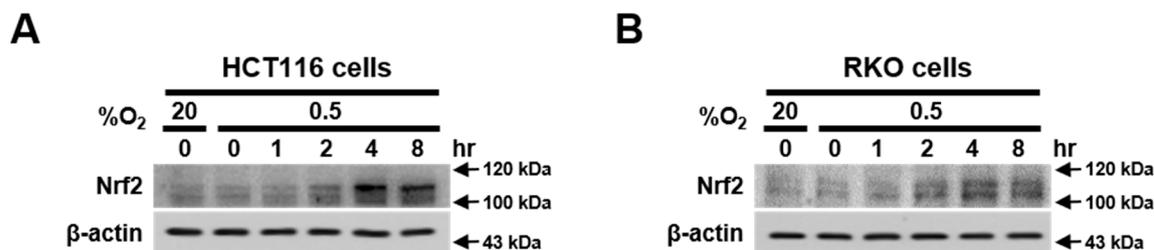
Supplementary Materials



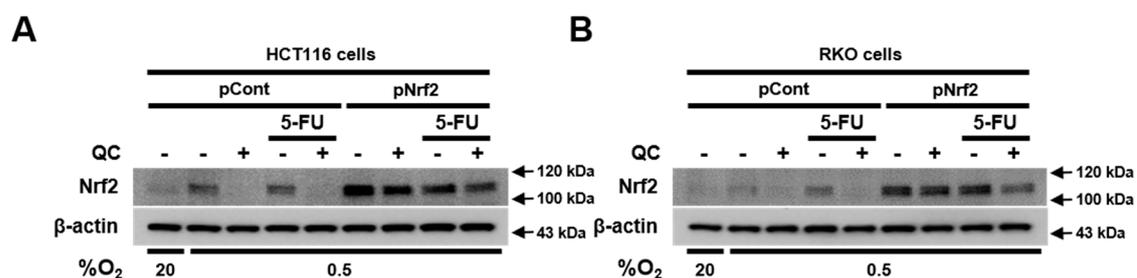
**Figure 1.** QC sensitizes CRC cells to 5-FU treatment under normoxia. **(A)** ATP-Glo assay for the QC or 5-FU treatment in HCT116, HT29, DLD1, RKO, SW620, Colo205 cells under normoxia. **(B)** the summary of IC<sub>50</sub> of QC or 5-FU treatment of all the tested CRC cells is shown with 95% CI. **(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 IC<sub>50</sub> 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% O<sub>2</sub>, 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% O<sub>2</sub>. 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.