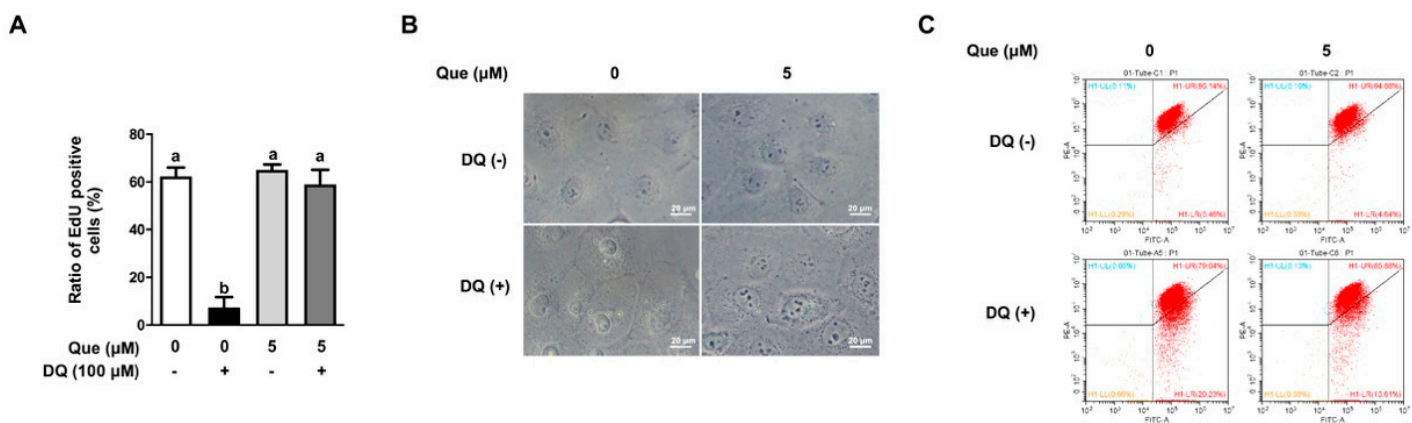## Supplementary Materials

Figure S1. Proliferation, morphology, and mitochondrial membrane potential of IPEC-1 cells. IPEC-1 cells were pretreated with 5 µM quercetin for 24 h and then exposed to 100 µM diquat for 6 h. (A) Ratio of EdU positive cells was quantified and analyzed. (**B**) Cell morphology was observed by microscope, and images were taken under a microscope (magnification ×400). (**C**) Cells were stained by JC-1 and mitochondrial membrane potential were analyzed by flow cytometry. Representative experimental results were repeated in three independent experiments and values are means ± SEMs, n=3. Means without a common letter are considered as a significant difference , $p <$ 0.05.
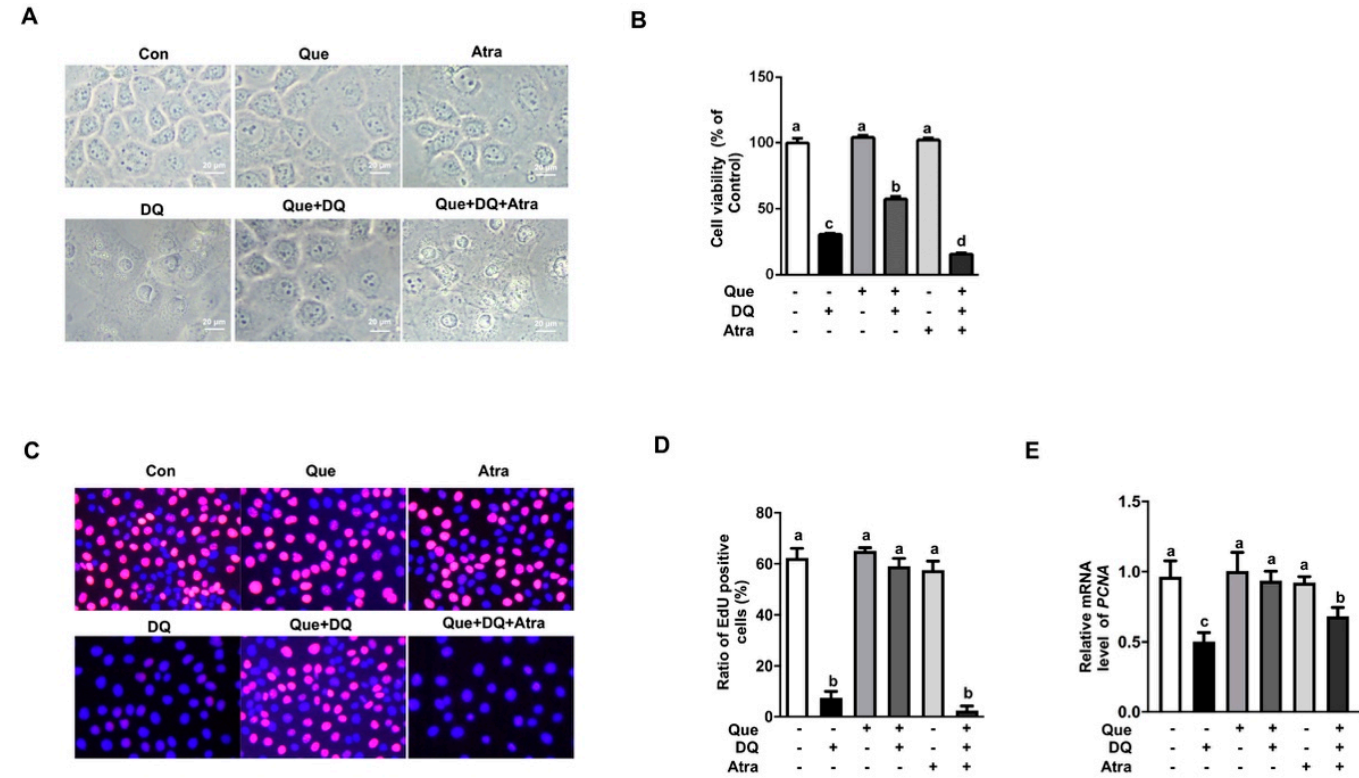

Figure S2. Morphology, viability, proliferation, and mitochondrial membrane potential of IPEC-1 cells. IPEC-1 cells pretreated with or without quercetin (5 µM, 24 h) were exposed to 100 µM diquat for 6 h in the presence or absence or Atra (1 µM). (**A**) Cell morphology, (**B**) cell viability, (**C**)

cell proliferation, (D) ratio of EdU positive cells and (**E**) mRNA level of *PCNA* were assessed. Representative experimental results were repeated in three independent experiments and values are means ± SEMs, *n*=3. Means without a common letter are considered as a significant difference , *p* < 0.05.