Supplemental Figure S1. HDAC inhibitor effect on DNA damage signaling. A. MCF-7 cells were pre-treated with 1 μM of vorinostat for 48 hours before the addition of 0.5 μM of epirubicin for an additional 8 hours. Whole cell lysates were collected immediately, and analyzed by western blot for activation of BRCA1. B. The level of ATM protein relative to GAPDH was quantified in MCF-7 cells exposed to 1 μM of vorinostat. C. ATM mRNA expression relative to h.Gus. D. T-47D breast cancer cells were pre-treated with vorinostat before the addition of epirubicin and analyzed for phosphorylation of p53.