



Figure S2. Anacardic acid inhibits histone acetylation level. (A) MTT cell viability assay of MCF7 cells after 48 h treatment of anacardic acid at various concentrations, $n > 5$. (B) MTT cell viability assay of T47D cells after 48 h of treatment with 100 μM anacardic acid and 10 μM tamoxifen, $n = 3$. (C) Global H3k27ac quantification of combination treatment of 10 μM tamoxifen and 50 μM anacardic acid after 24 hr

treatment. (D) H4K12ac quantification from mice xenograft, TAM 4mg kg⁻¹, AA 1mg kg⁻¹ and TAM 4mg kg⁻¹+AA 1mg kg⁻¹, n=3. (E) Normalized H4K12ac quantification of both MCF7 cell and T47D cells after 24h and 48 hr of treatment with 100 μM anacardic acid, n=3. (F) Western blot quantification of H4K12ac level. Histone protein from 100 μM AA treated MCF7 cell for 24hr. Data shown as mean ± s.d. *: p<0.05, **: p<0.01 compared with control group.