Supplementary Figure Legends:

**Supplementary Figure 1:** Fisetin and Geraldol reduce the number of nucleoli per cell and RNA Pol I activity in MCF7

**A.** In hormone receptor positive MCF7 human breast cancer cells were treated with 5µM fisetin or 5µM geraldol for 24 hours. Nucleoli were stained using NucleolarID. Images of live cells were captured. Representative photomicrographs are presented. Scale bar = 20µm. The results are the average of three replicates.

**B.** MCF7 cells were treated with 5µM fisetin or 5µM geraldol for 24 hours, RNA was harvested, and RT-qPCR was performed. The results are from three replicates.

**Supplementary Figure 2:** Analysis of protein expression from SUM159 cells treated with Fisetin or Geraldol.

Total cell lysate from SUM159 treated with 5µM fisetin or 5µM Geraldol for 24 hr was analyzed by Western blot for levels of Erk1/2 and POLR1A
Poll activity RTQ 5-ETS in T47D and MCF7 6 hours post treatment
5uM Fisetin or 5uM Geraldol

Supplementary Figure 1
