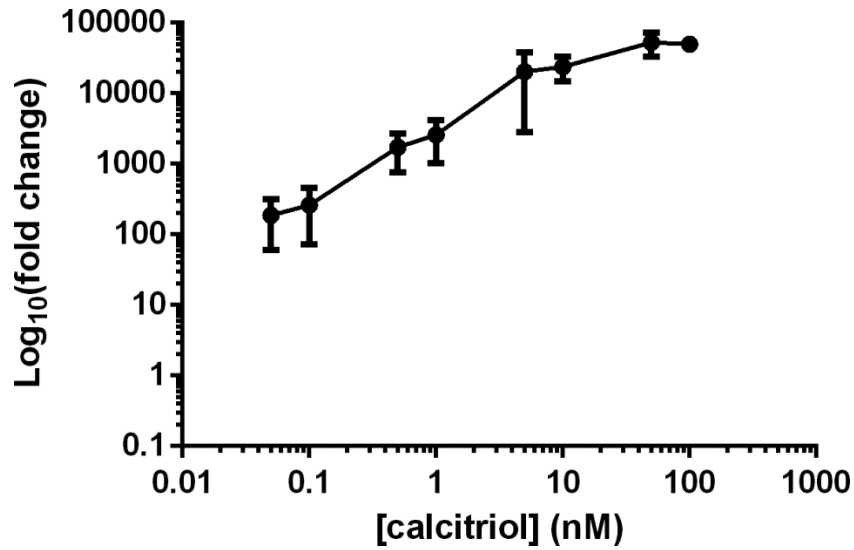


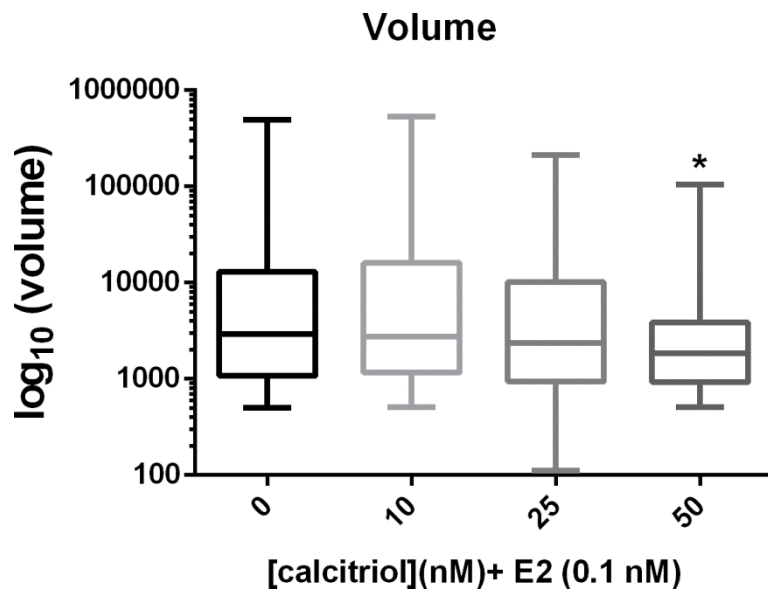
Supplemental Figures

Hasan et al. Supplemental Fig 1



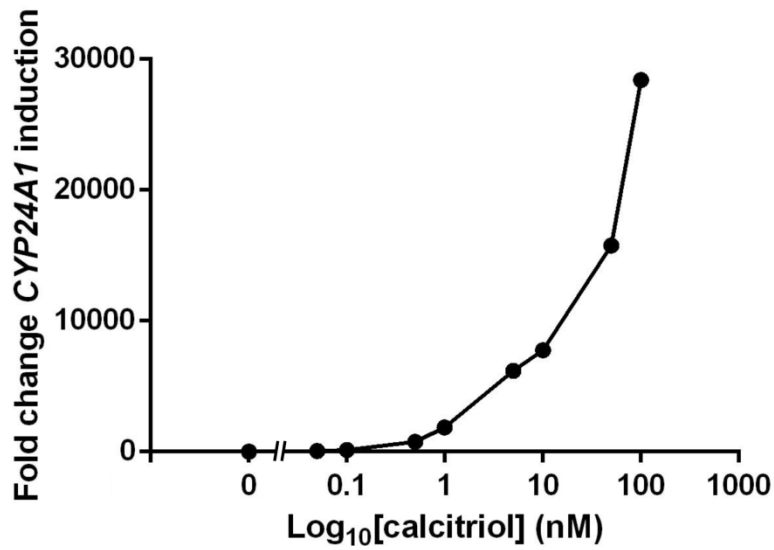
Supplementary Fig. 1. *CYP24A1* induction in T47D cells following calcitriol treatment for 24 hours.

Hasan et al. Supplemental Fig 2



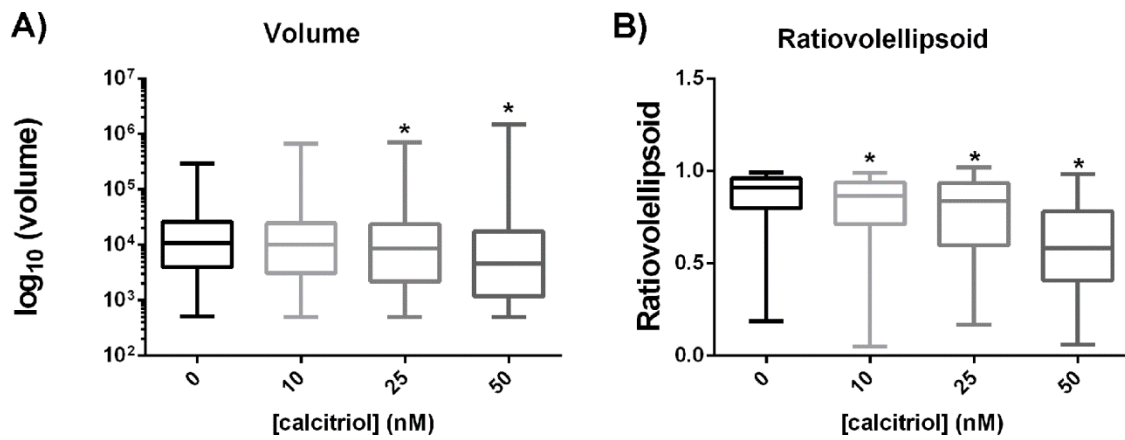
Suppl. Fig. 2. Calcitriol at 50 nM concentration lowered the median volume of structures whereas at 10 nM raised the median volume of the same structures (\* $p < 0.05$ , Kruskal-Wallis)

Hasan et al. Supplemental Fig 3

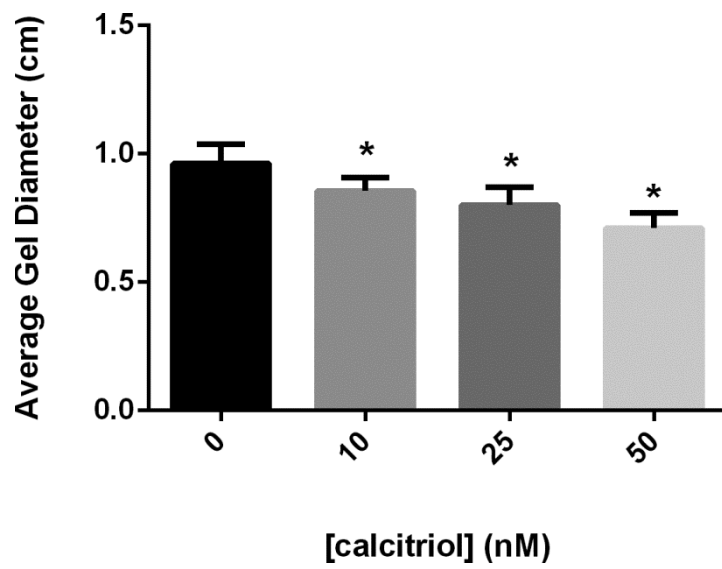


Suppl Fig. 3. CYP24A1 induction in MCF10A cells following calcitriol treatment for 24 hours.

Hasan et al. Supplemental Fig 4



Suppl. Fig. 4. Exposure to calcitriol at 50 nM dose significantly decreased the volume of MCF10A structures (\* $p < 0.05$ , Kruskal-Wallis).



**Suppl. Fig. 5.** Calcitriol treatment resulted in an increased contraction of gels in a dose-dependent manner (\* $p < 0.05$ , one-way ANOVA).