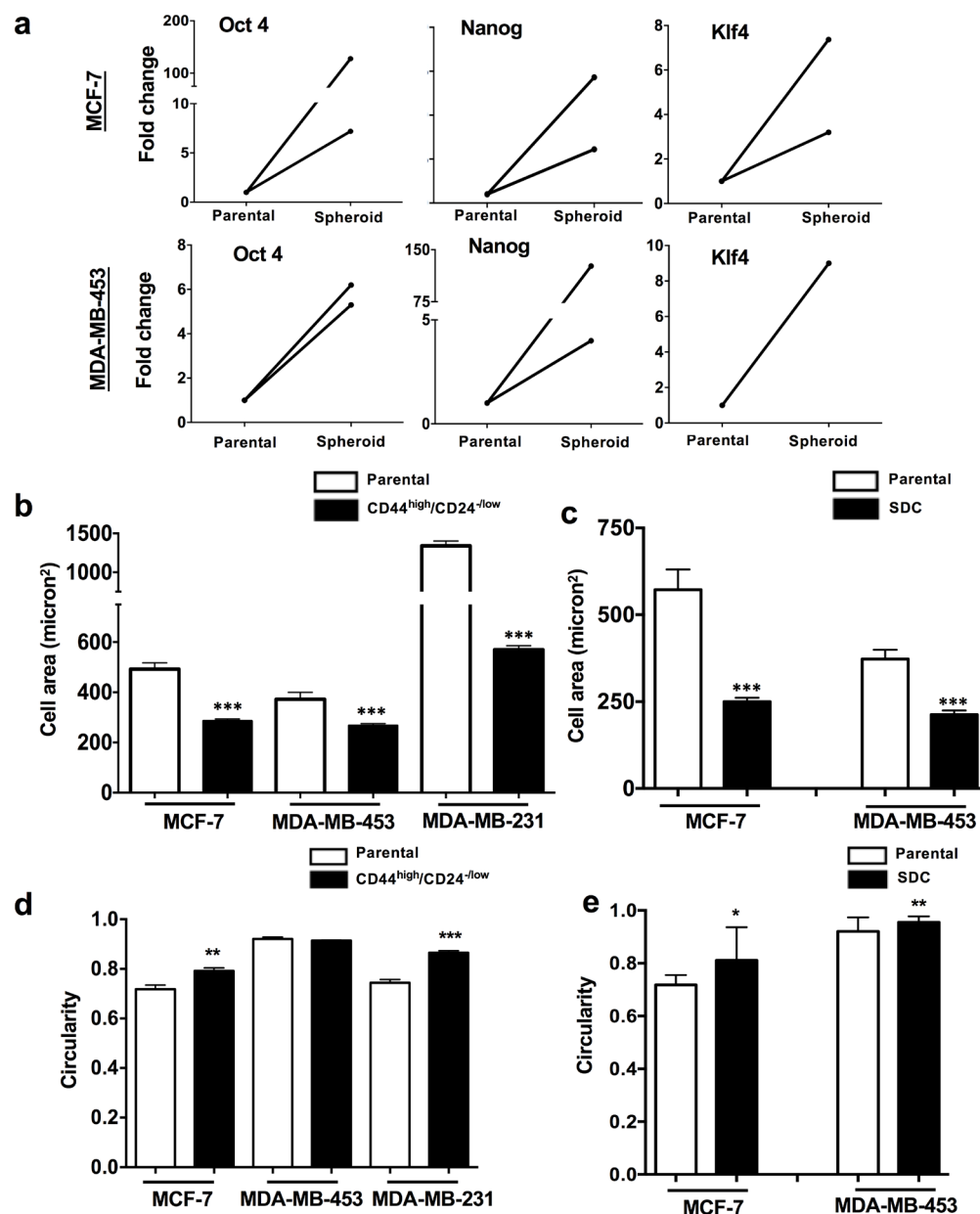


Blockade of Rho-associated protein kinase (ROCK) inhibits the contractility and invasion potential of cancer stem like cells

SUPPLEMENTARY FIGURE



Supplementary Figure 1: **a.** Spheroids show increased expression of stemness markers (mRNA levels) such as Oct4, Nanog and Klf4 when compared to the control (parental population) as determined by Real time RT-PCR. **b-c.** Quantification of cell area of CSCs (CD44^{high}/CD24^{-low} cells and SDCs) compared with control cells (parental) from all three cell lines. All three cell lines (MCF-7, MDA-MB-231, and MDA-MB-453) showed significant decrease in cell area in both CD44^{high}/CD24^{-low} and SDC when compared to the parental cells. (***, $p < 0.05$) ($n=3$). **d-e.** Circularity of CSCs enriched using both methods (FACS sorted and spheroids) from three different cell lines (MCF-7, MDA-MB-231, and MDA-MB-453) was found to be significantly higher when compared to the parental population. (*, p value < 0.05) (**, p value < 0.001) (***, p value < 0.0001) ($n=3$).