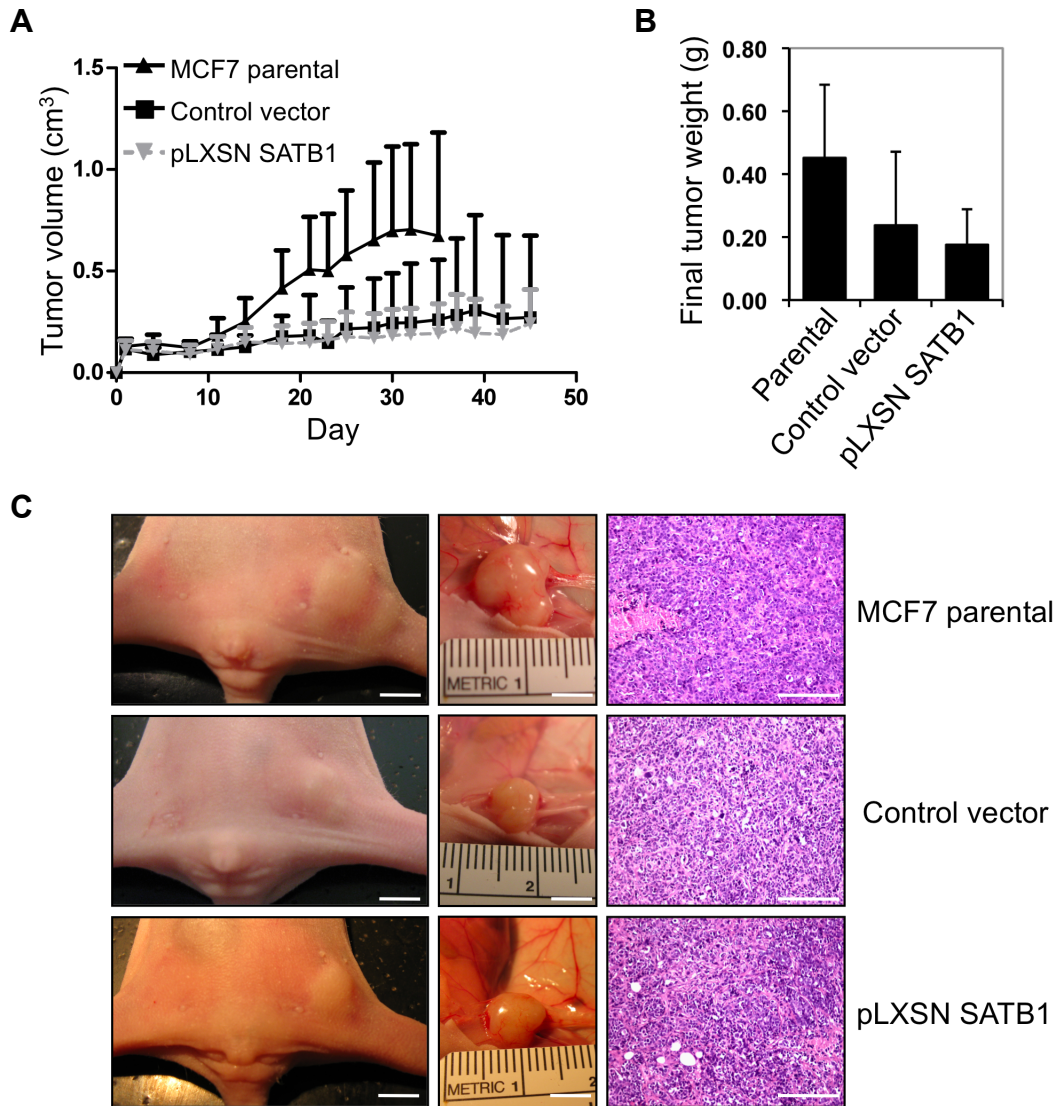


SUPPLEMENTARY FIGURE 5



Supplementary Figure 5. Effect of SATB1 expression on the aggressive cancer phenotype in vivo. For these experiments, we used MCF7 pLXSN SATB1 cells that overexpress SATB1 mRNA and protein, pLXSN control vector MCF7 cells, and parental MCF7 cells. Mice (n = six mice per group) were injected with 3×10^6 pLXSN SATB1 cells, control vector cells, or parental MCF7 cells into the fourth mammary fat pad from flank to obtain one tumor per mouse. **A)** Tumor volume. Tumors were measured with vernier calipers and volume was calculated with the formula $L \times W^2 \times 0.4$ (where $1 \text{ cm}^3 = 1 \text{ g}$). Each data point is the mean value of six tumors. Error bars = 95% confidence intervals (CIs). **B)** Final tumor weight. Tumors were removed at necropsy and weighed. Each data point is the mean value of six tumors. Error bars = 95% CIs. **C)** Photographs of representative mice (left column, scale bar = 5 mm) and tumors in their mammary fat pads (center column, scale bar = 5 mm) and micrographs of tumor sections stained with hematoxylin–eosin (right column, scale bar = 50 μm).