Supplemental Figures

Figure 1. mRNA expression of GPR30 and ERα in human breast cancer cell lines used in this study. GPR30 or ERα mRNA (left and right panels, respectively) was measured by RT-PCR amplification using specific oligonucleotide primers (*as detailed in Materials and Methods*) from equivalent amounts of total RNA extracted from MCF-7, SKBR3, or MDA-MB-231 cells stably transfected with vector or GPR30. The relative position of DNA size markers is denoted at left.

Figure 2. mRNA expression of GPR30 in murine GE11β1 epithelial-like cells. GPR30 was measured by RT-PCR amplification using specific oligonucleotide primers (*as detailed in Materials and Methods*) from equivalent amounts of total RNA extracted from GE11β1 cells stably transfected with vector or truncated GPR30. The relative position of DNA size markers is denoted at left.

Figure 3. Reduction of GPR30 mRNA by transient transfection with antisense oligonucleotide selectively abrogates 17β-estradiol-mediated FN matrix assembly. SKBR3 breast cancer cells were transiently transfected with sense or antisense GPR30-derived oligonucleotides (15 nM) and then assayed for (A) GPR30 mRNA by RT-PCR or (B) FN matrix assembly as previously described.

Figure 4. 317 Y/F Shc blocks FN matrix assembly by 17β-estradiol or angiotensin II in SKBR3 cells. FN matrix assembly was measured in SKBR3 cells transfected with GST-WT-Shc or GST-317Y/F-Shc and left untreated or stimulated with 17β-E2 or AT II for the times indicated.