Supplementary Figure Legends

Supplementary Figure 1. Distribution of Clone Sizes by EC Grade and Type. Clones were divided into 1 of 3 groups depending on diameter (Solid bars <5mm, white bars 5-10mm, grey bars > 10mm; mean ± SEM). The percentage of clones in each group did not vary significantly with EC grade (grade 1 (n=9) and grade 2 (n=6), P>0.6). Grade 3 (n=1), Type II (n=2), Hyperplasia (n=1).

Supplementary Figure 2. Expression of PTEN in normal human endometrial epithelial glands, endometrial carcinoma glands and primary xenograft tumors. Immunohistochemistry of representative grade 2 (left panels) and 3 (right panels) type I tumors are shown. (PTEN, Variable or lack of PTEN expression is seen in normal human endometrial tissue (A) associated with cancer, parent endometrial carcinoma tumors (B), and in resultant xenograft tumors (C). Inserts negative controls. Scale bars 100 µM.

Supplementary Data

Clones from individual samples were divided into three groups based on diameter (Supplementary Fig 1). The majority of clones were small (diameter <5mm, median 96.29%, range 39.42-100%) compared to intermediate (5-10mm, 5.56%, 0-38.87%) and large (>10mm, 0%, 0-27.51%; P<0.0001). The percentage of clones in each group was not significantly different between grade 1 and 2, type I samples (<5mm P=0.95, 5-10mm P=0.81, >10mm P=0.67; n=15).

Coating tissue culture plates with or without fibronectin or gelatin had no affect on CE (P=0.89, n=13), nor the size distribution of the clones (< 5mm P=0.72, 5-10 mm P=0.77, >10 mm P=0.88), indicating that the proportion of CFU in the samples is independent of external factors.