Supplementary Figure 1.

**Fig S1.** Confirmation of cre-recombinase mediated recombination using β-Galactosidase staining in \( \text{UCre}^{\text{ER}}; \text{Pik3ca}^{\text{H1047R}}; \text{Rosa}^{\text{+}} \) mice. \( \text{UCre}^{\text{ER}}; \text{Pik3ca}^{\text{H1047R}}; \text{Rosa}^{\text{+}} \) mice were exposed to Tamoxifen and sacrificed 3 weeks later. Organs were dissected and frozen in OCT for frozen sectioning. β-galactosidase staining was performed as previously (Tikoo A, et al. (2012) PLoS ONE 7(5):e36924). β-Galactosidase staining (blue) indicates Cre-recombination (representative of n=3). Inset is a representative negative control from \( \text{UCre}^{\text{NEG}}; \text{Pik3ca}^{\text{H1047R}}; \text{Rosa}^{\text{+}} \) mice. Size bars = 50\( \mu \)m

Supplementary Figure 2.

**Fig S2.** Serum biochemistry in control and \( \text{UCre}^{\text{ER}}; \text{Pik3ca}^{\text{H1047R}} \) mice at day 14 and day 21 post-Tam. Alkaline phosphatase (AlkP) and Alanine Transaminase (ALT) for liver function and Creatinonine (CreaC) for renal function. Mean +/- SD.