

Supplementary information

Figure S1

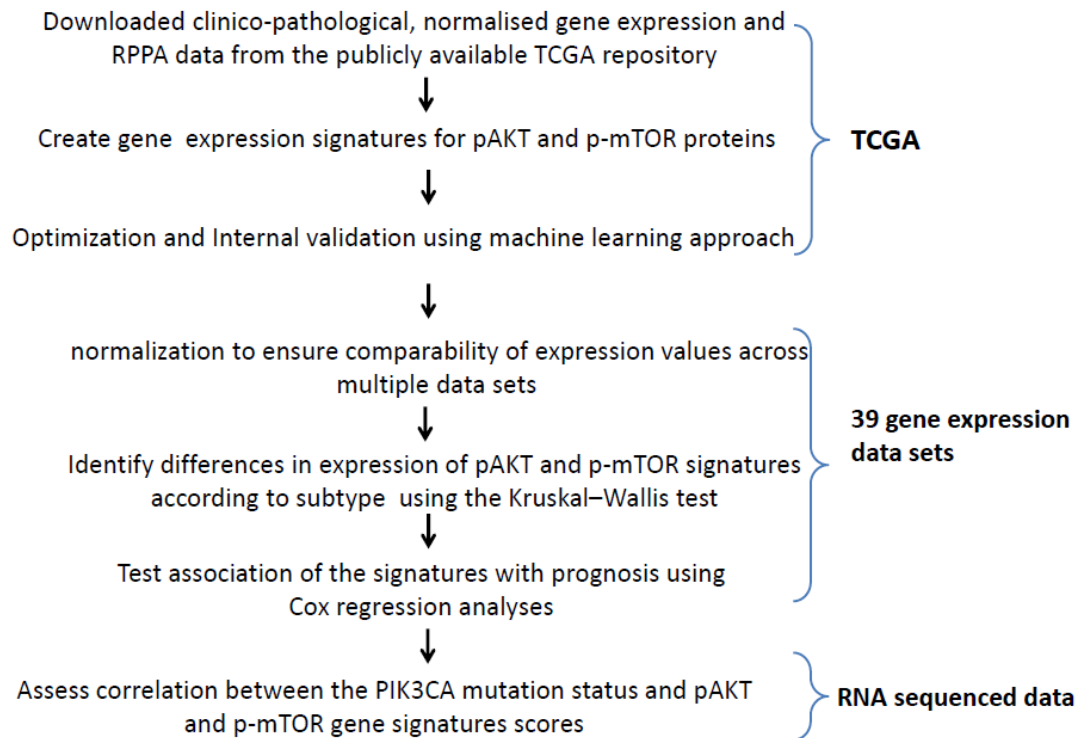


Figure S1. Flow chart – pipeline undertaken for the analysis.

Figure S2

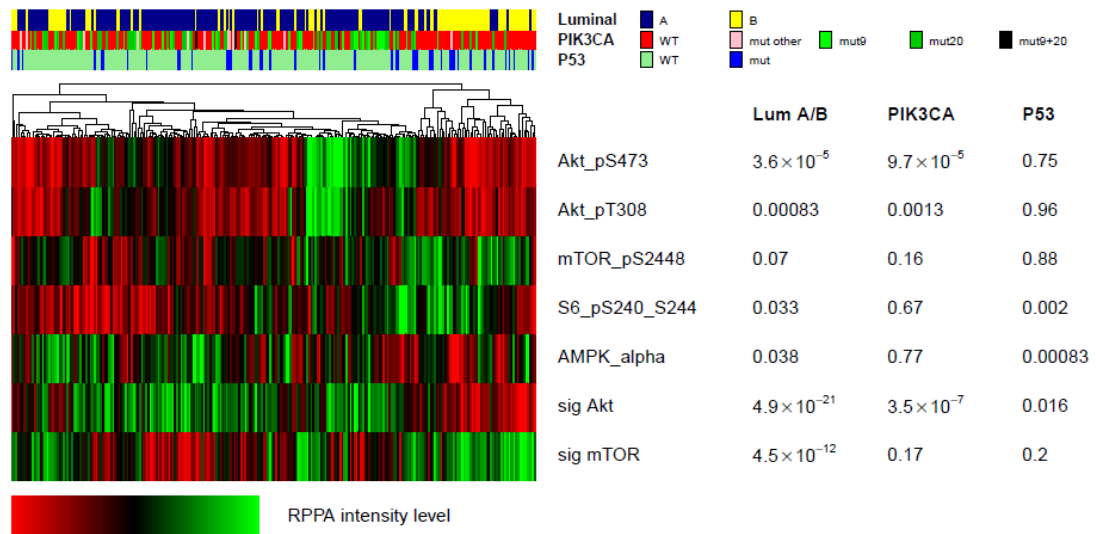


Figure S2. Unsupervised clustering of the PIK3CA/pAKT/m-TOR pathways in the luminal cancers TCGA. Luminal breast cancer subtypes differ by pAKT and p-mTOR activity (RPPA and expression signatures). P values were calculated using the Mann Witney test.

Figure S3

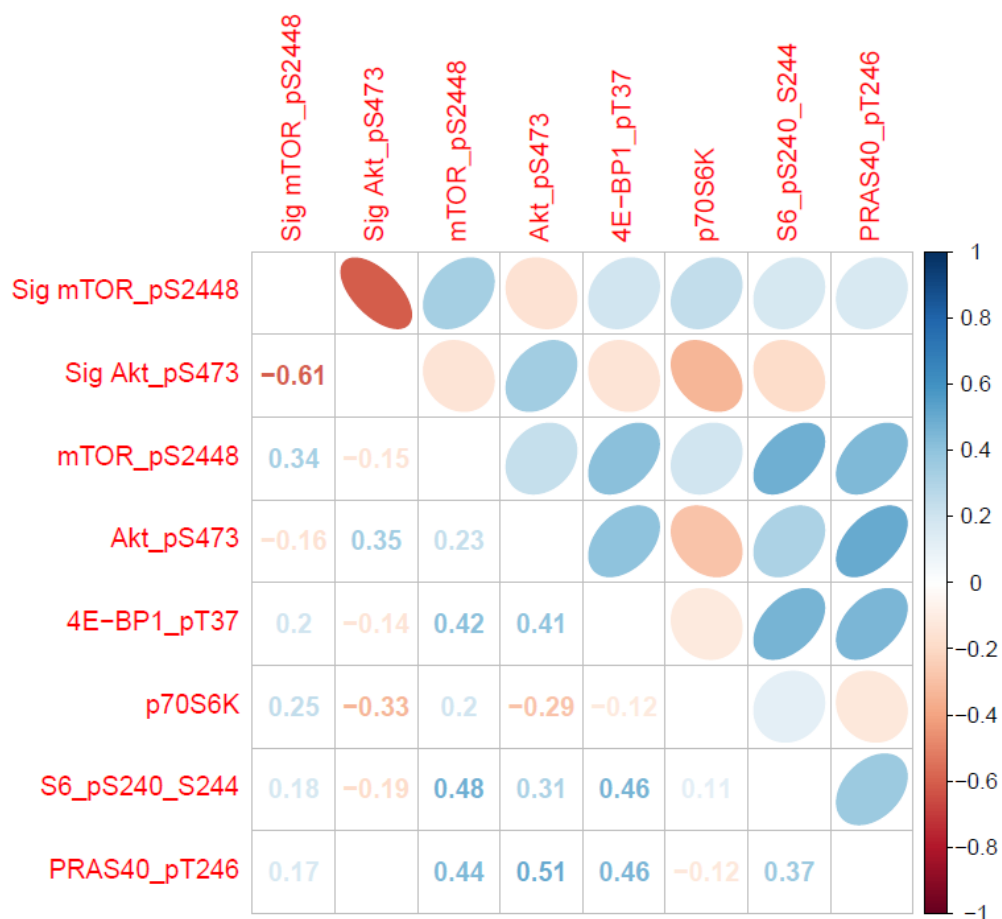


Figure S3: A graphical display of a correlation matrix that shows how the pAKT and p-mTOR signatures correlate with other signatures and RPPA markers of the pathway. Positive correlations are displayed in blue and negative correlations in red color. Color intensity and the direction of the circle are proportional to the correlation coefficients. In the right side of the correlogram, the legend color shows the correlation coefficients and the corresponding colors.

Figure S4

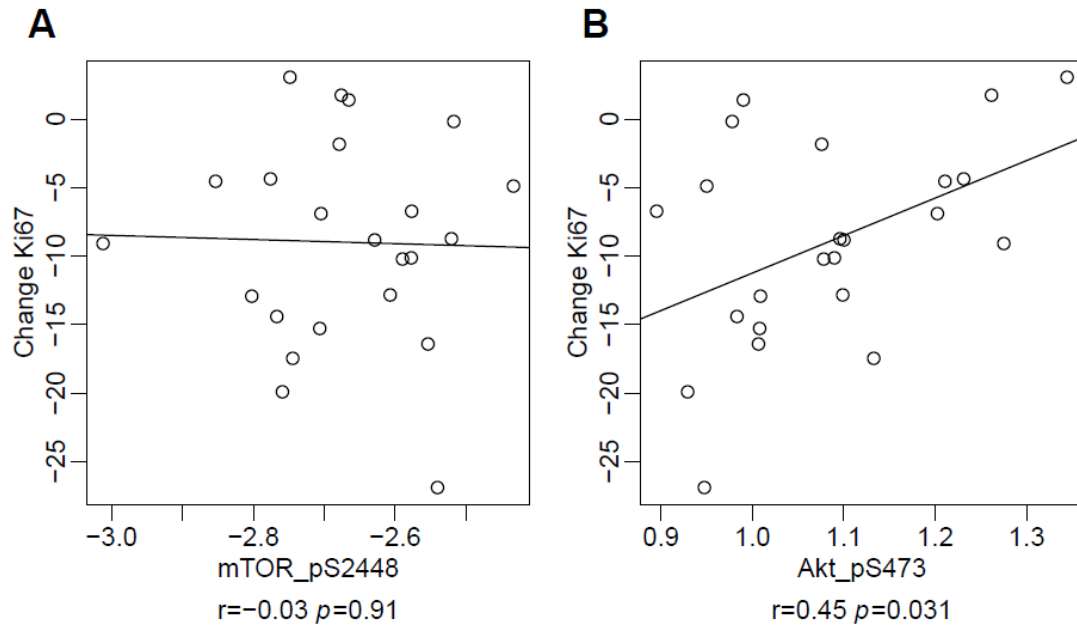


Figure S4. Correlation between p-mTOR (A) and pAKT (B) gene signatures levels in everolimus pre-treated samples according to tumor response based on Ki67% change in an independent RNA expression set (N=23).