



SUPPLEMENTAL FIGURE S4:

Relationship between basal pErbB2, PI3K/PTEN mutational status and the basal levels of pAKT and pERK.

(A) Cell lines with high pErbB2 (red zone) have high pAKT levels ($p = 0.002$, Wilcoxon rank-sum test) independently of their PIK3CA mutation status (star for PTEN loss of function or PIK3CA kinase domain mutation; dot for PIK3CA helical domain mutation). (B) Cell lines with a PTEN loss of function or a PIK3CA kinase domain mutation have higher pAKT levels than the wild type ones in both groups of low and high pErbB2 level ($p = 0.004$ and $p = 0.033$ respectively, Wilcoxon rank-sum test). (C) Cell lines with high pErbB2 (red zone) have high pERK ($p = 0.005$, Wilcoxon rank-sum test). (D) PTEN or PIK3CA mutation status has no impact of the level of pERK ($p > 0.05$, Wilcoxon rank-sum test).