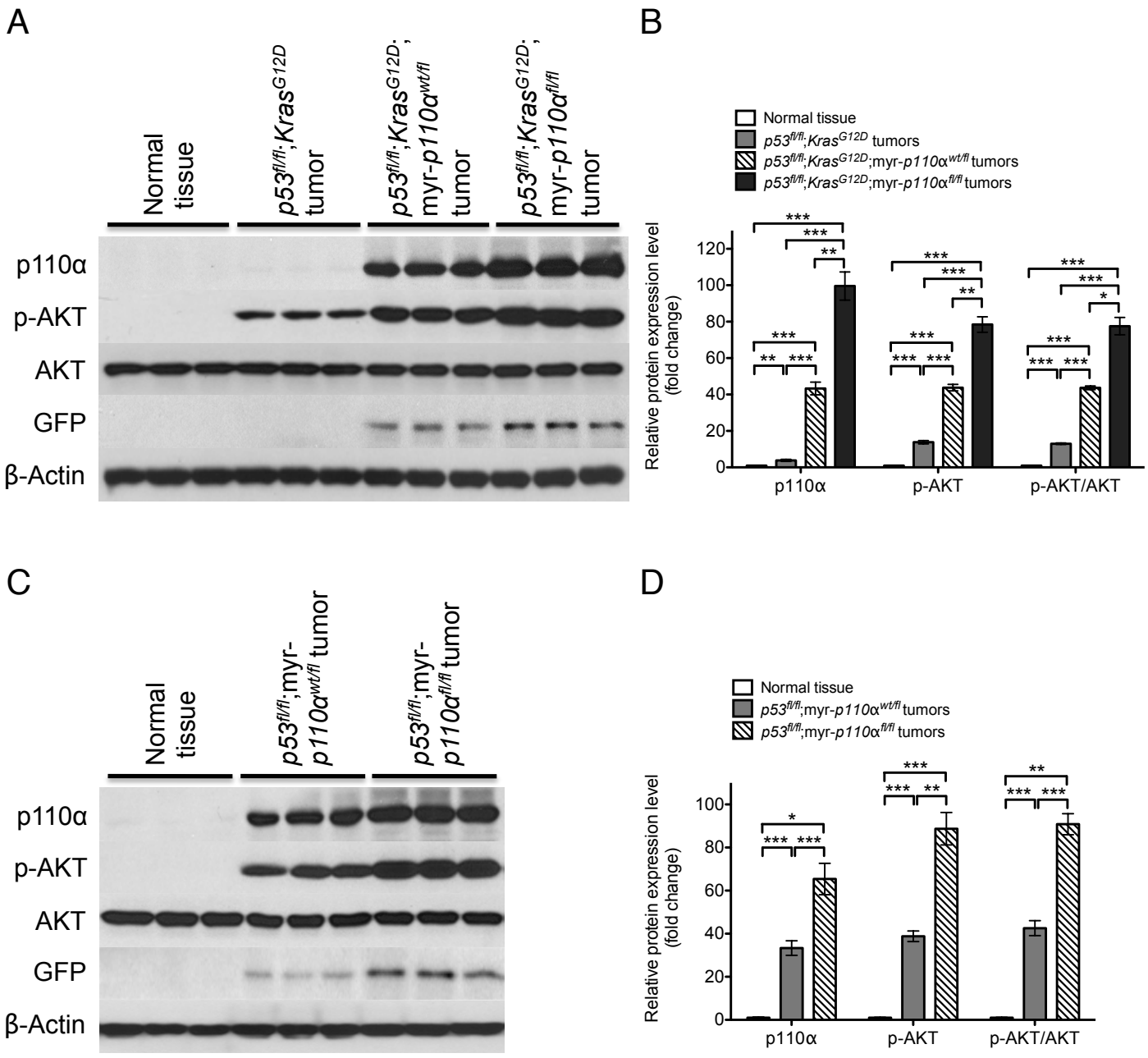
Supplementary Figure 4



Supplementary Figure 4. Addition of myr-*p110α* elevates the levels of PI3K signaling activation in a copy number-dependent manner. (A) Western blot analysis of p110α, p-AKT, AKT, and GFP with normal mammary tissue and mammary tumors from *p53*$^{fl/fl}$;*Kras*^{G12D}, *p53*$^{fl/fl}$;*Kras*^{G12D};myr-*p110α*$^{wt/fl}$, and *p53*$^{fl/fl}$;*Kras*^{G12D};myr-*p110α*$^{fl/fl}$ mice. (B) The graphs of Western blot signals of p110α, p-AKT, and p-AKT/AKT ratio shown in (A). (C) Western blot

analysis of p110α, p-AKT, AKT, and GFP with normal mammary tissue and mammary tumors from *p53*$^{fl/fl}$;myr-*p110α*$^{wt/fl}$ and *p53*$^{fl/fl}$;myr-*p110α*$^{fl/fl}$ mice. (D) The graphs of Western blot signals of p110α, p-AKT, and p-AKT/AKT ratio shown in (C). The Western blot signals quantified and normalized with respect to β-Actin protein expression. Mean fold increase compared with normal mammary tissue lysates from a non-Cre harboring age-matched female, was calculated after normalization. Error bars are presented as the mean ± SEM. Two-tailed unpaired Student's *t*-test was used for statistical analysis. **P* < 0.05, ***P* < 0.01, and ****P* < 0.001. Expression of myr-*p110α* was confirmed by the detection of GFP in mammary tumors. Data are representative of 3 independent experiments with biological and technical replicates.