

**Supplementary Figure 6:** In contrast to premalignant lesions, ErbB2-initiated tumors in wildtype and ARF-null mammary glands exhibit comparable senescence and DDR. Scale bar =  $20\mu m$ .

- A. Quantification of macroH2A-positive cells in tumors from widltype and *ARF*-null mice. Representative images shown.
- B. Quantification of cells bearing nuclear pATM foci in tumors from widltype and *ARF*-null mice. Representative images shown.