

sFigure 1. The pathway analysis of gene profile of lungs of MMTV-PyVT mice. (A) GO_BP pathway. (B) GO_MF pathway. The expression of lipid metabolism-related genes in (C) lung epithelial cells and (D) lung fibroblast cells after co-cultured with mouse primary breast cancer (PBC). Lung fibroblasts were isolated from the lungs of wild-type mice, and mouse PBCs were isolated from primary mammary glands of MMTV-PyVT mice. The lung epithelial cell line MEL-12 or lung fibroblasts were co-cultured with PBC in a transwell system for 48 h, and the expression of various genes in lung epithelial cells or fibroblasts was assessed by qRT-PCR. Graphs show mean $\pm$ SD. *, $P < 0.05$; **, $P < 0.01$.

sFigure 2 Typical total ion chromatography (TIC) of lipid profiles. (A) TIC of lungs of wild-type (WT) mice. (B) TIC of lungs of MMTV-PyVT mice.

sFigure 3. The senescence phenotype of lung of MMTV-PyVT mice at 9 to 11 weeks.