



Supplementary Figure 6. APOE regulates *Cxcl1* expression in tumor cells and fibroblasts. (A) Biological processes upregulated in 7940b KPC cells treated with recombinant APOE, derived from DAVID functional annotation platform using the top 500 genes induced by recombinant APOE. (B) Dot plot for *Cxcl1*, *Cxcl2*, and *Cxcl5* in orthotopic KPC samples (n=2). Color denotes average expression. Size of dot represents expression frequency. (C) Representative co-immunofluorescence staining of CXCL1 (green), CK19 (red), and DAPI (blue) in mouse normal pancreas compared to mouse KPC tumor. Scale bars, 100 μ m. (D) Representative immunohistochemical staining for CXCL1 in WT and ApoE^{-/-} mice. Scale bars, 100 μ m. Quantitation of positive CXCL1 staining as percent area per 20x field in WT (n= 5) and ApoE^{-/-} mice (n=5). Statistical significance determined by two-tailed *t* tests. (E) ApoE concentration (μ g/mL) in wild type TAM conditioned media (n=5) and ApoE^{-/-} TAM conditioned media (n=1).