



Supplementary Figure S5. Reverse effects of IL-6 on exogenous let-7c-suppressed reactive phenotypes of MSCs. Cancer-associated 3A6<sup>PC3</sup> cells transfected with let-7c precursor were induced to adipogenic differentiation or were cocultured with PC3 prostate cancer cells for transwell migration and invasion assay with the indicated concentration of recombinant IL-6. A microRNA transfection control (pre-mir-Ctr) was used to determine the basal activity of 3A6<sup>PC3</sup>. Representative images of Oil red O staining for adipogenesis and crystal violet staining for transwell migration and invasion from each condition are shown at top. The quantitative data represented as the means  $\pm$  SD for triplicate incubations are shown at the bottom. \* $P < 0.05$ ; \*\* $P < 0.001$ .