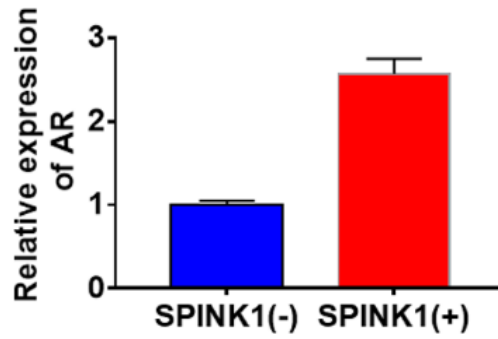
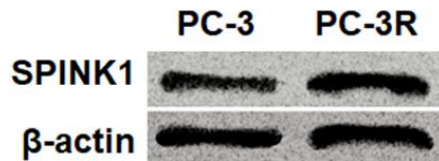


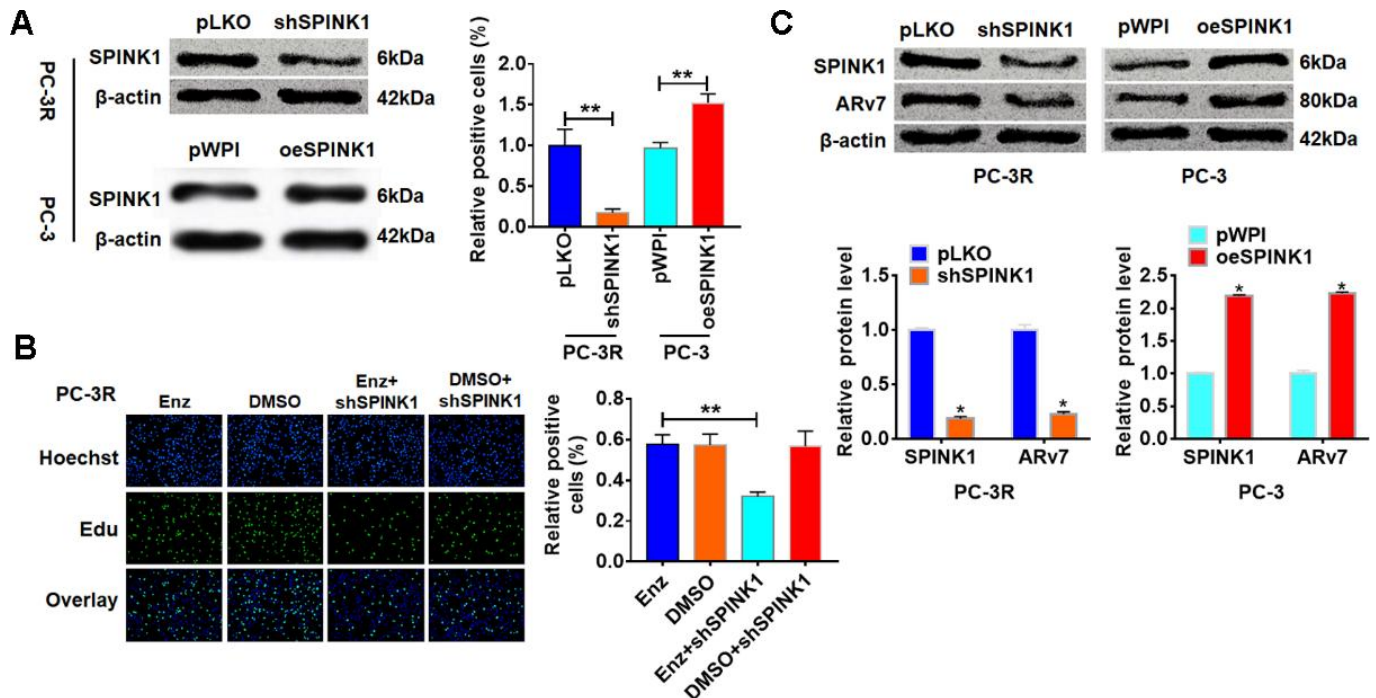
SUPPLEMENTARY FIGURES



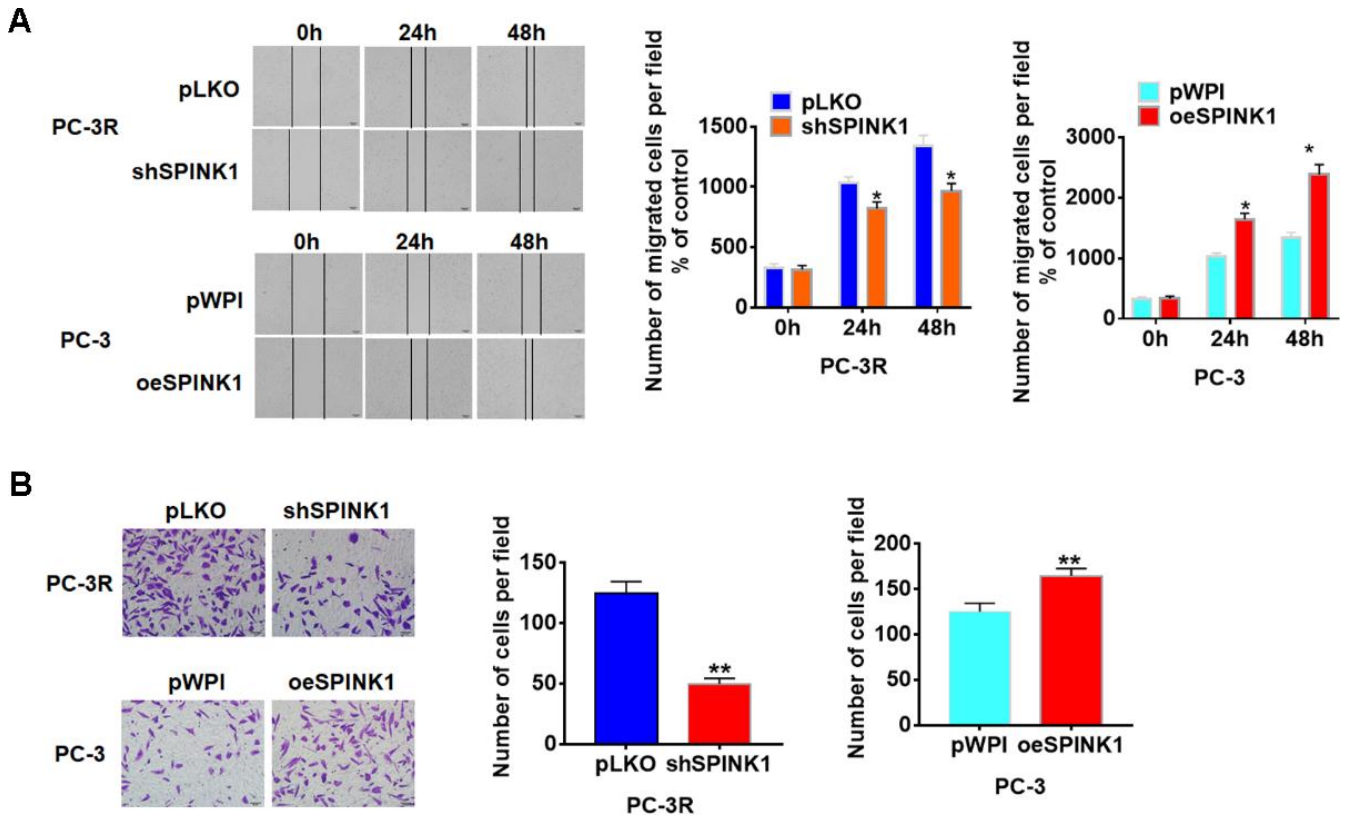
Supplementary Figure 1. qRT-PCR for AR expression in human Pca tissues.



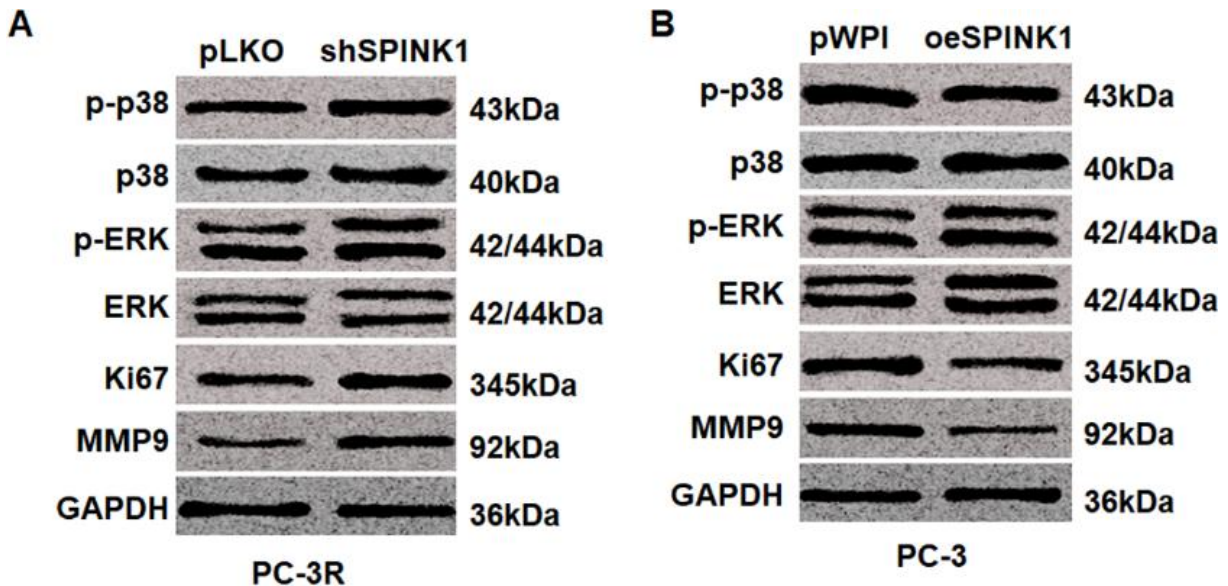
Supplementary Figure 2. Western blot showing high SPINK1 protein levels in C4-2R.



Supplementary Figure 3. SPINK1 promotes Enz resistance and production of ARv7. (A) Western blots and RT-PCR results validating SPINK1 knockdown in PC-3R cells, overexpression in PC-3 cells. (B) Edu incorporation rate in +/-shSPINK1 PC-3R cells with/without Enz treatment. (C) Western blots results showing AR-v7 protein in oeSPINK1 PC-3 cells, and shSPINK1 PC-3R cells. P < 0.05; **P < 0.01.



Supplementary Figure 4. SPINK1 enhances migration and invasion. (A) Migration rates of shSPINK1 PC-3R cells, and oeSPINK1 PC-3 cells in the wound healing assay. (B) Invasive capacity of shSPINK1 PC-3R cells, and oeSPINK1 PC-3 cells in the transwell assay. *P < 0.05; **P < 0.01.



Supplementary Figure 5. SPINK1 enhances MAPK/MMP9 signaling. p-ERK, p-p38, Ki67 and MMP9 protein levels in shSPINK1 PC-3R cells, and oeSPINK1 PC-3 cells.