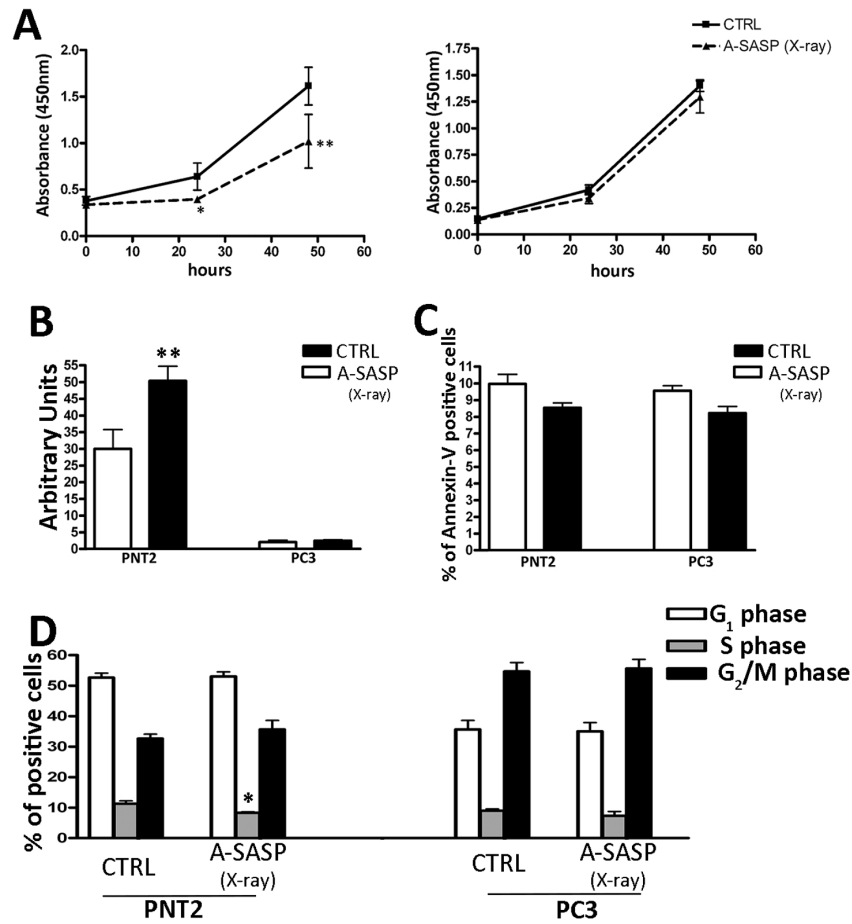
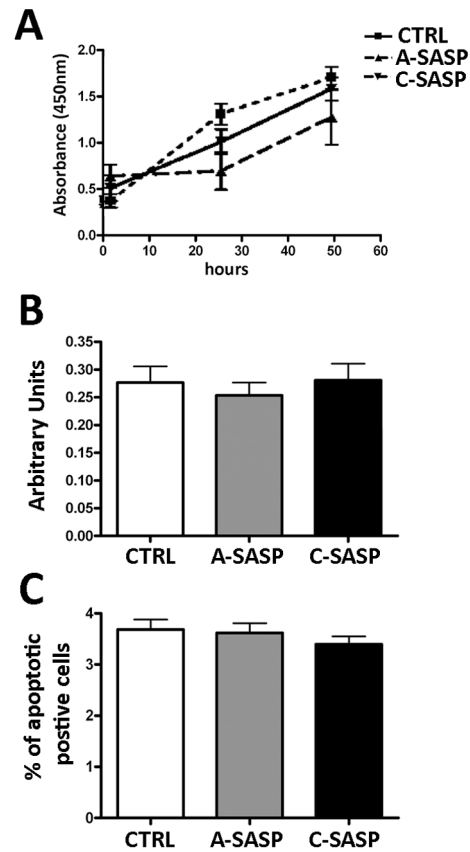


SUPPLEMENTARY FIGURES



Supplementary Figure 1. Responsiveness of immortalized and metastatic cancer cells to A-SASP from irradiated MSCs. (A) PNT2 and PC3 cell proliferation was determined by Cell Counting Kit-8 (CCK-8) colorimetric assay (Dojindo, Germany). On the left, PNT2 proliferation in control medium (CTRL) and in media containing either an A-SASP or control medium. On the right, PC3 proliferation ($n = 3 \pm SD$, * $p < 0.05$; ** $p < 0.01$). (B) Senescence in PNT2 and PC3 cultures. The graph shows mean percentage value of senescent cells ($n = 3 \pm SD$, ** $p < 0.01$). (C) The histogram shows the global percentage of Annexin V-positive cells ($n = 3 \pm SD$). (D) Cell cycle FACS analysis of PNT2 and PC3 cultures treated with an A-SASP ($n = 3 \pm SD$, * $p < 0.05$).



Supplementary Figure 2. Responsiveness of androgen responsive LNCaP cancer cells to SASP from senescent MSCs. (A) Cell proliferation was determined by Cell Counting Kit-8 (CCK-8) colorimetric assay (Dojindo, Germany). LNCaP proliferation in control medium (CTRL) and in media containing either an A-SASP or a C-SASP. (B) Senescence in LNCaP cultures. The graph shows mean percentage value of senescent cells ($n = 3 \pm SD$). Data are expressed as arbitrary units. (C) The histogram shows the global percentage of Annexin V-positive cells ($n = 3 \pm SD$).