

Supplementary Figure 1. **MDSC suppress T cell proliferation and IFN γ production.**

A. 2×10^5 PBMC from RCC patients depleted or not of CD66b⁺ MDSC and were activated with immobilized anti-CD3 (1 μ g/ml) and anti-CD28 (0.1 μ g/ml) antibodies. After 72 hours of culture the cells were pulsed with 1 μ Ci of [³H] Thymidine and incorporation tested after further 18 hours. Analysis of [³H] Thymidine incorporation (**B**) and IFN γ production (**C**) were calculated using a fixed number of T cells (1×10^5). **A-C** Experiments were repeated 3 times using samples from individual RCC patients and controls.

Supplementary Figure 2. **MDSC have lower arginase I compared to autologous PMN.**

A. Representative experiment of arginase I protein expression in MDSC and autologous PMN from same RCC patient and PMN from controls. Experiment was repeated 5 times using samples from individual RCC patients and normal controls. **B-C.** Plasma levels of gelatinase A and nitrotyrosine in RCC patients (n=5) and controls (n=6).



