

Supplementary information for Birch et al. - tRNA^{Met}_i and invasion

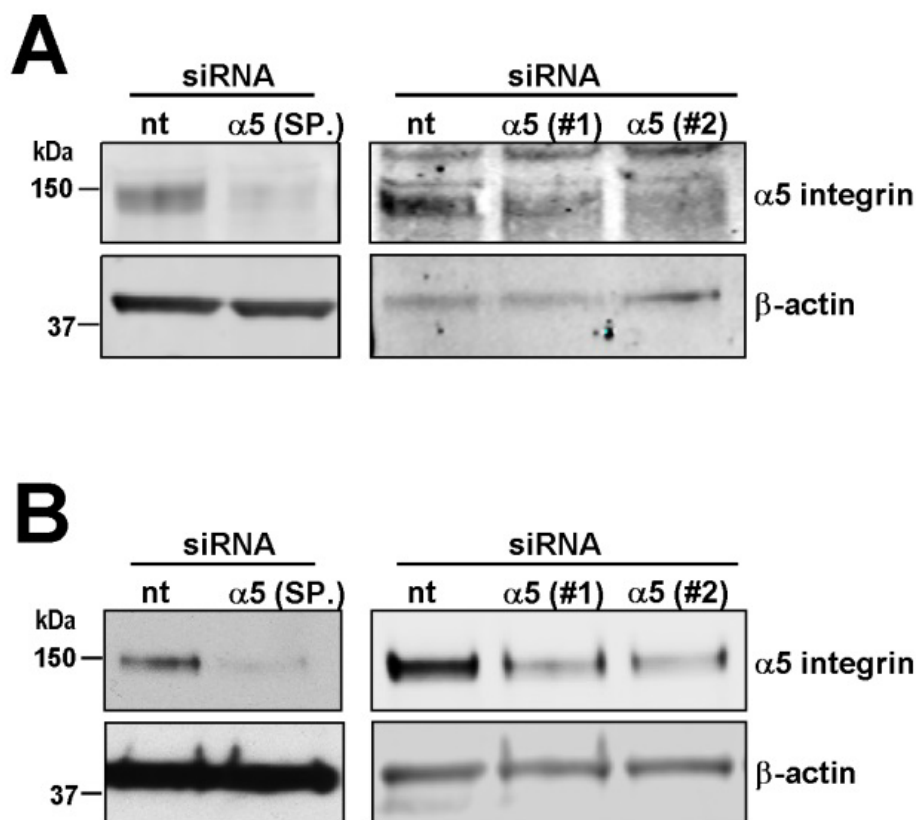


Fig. S1. Suppression of α5 integrin in iMEFs and WM852 cells using siRNA.

tRNA^{Met}_i overexpressing iMEFs **(A)** or WM852 cells **(B)** were transfected with siRNAs targeting α5 integrin – either using a SMARTPool (SP) or individual siRNA oligonucleotides (#1 & #2). 48 hr following transfection levels of α5 integrin were determined using Western blotting. β-actin was used as loading control.

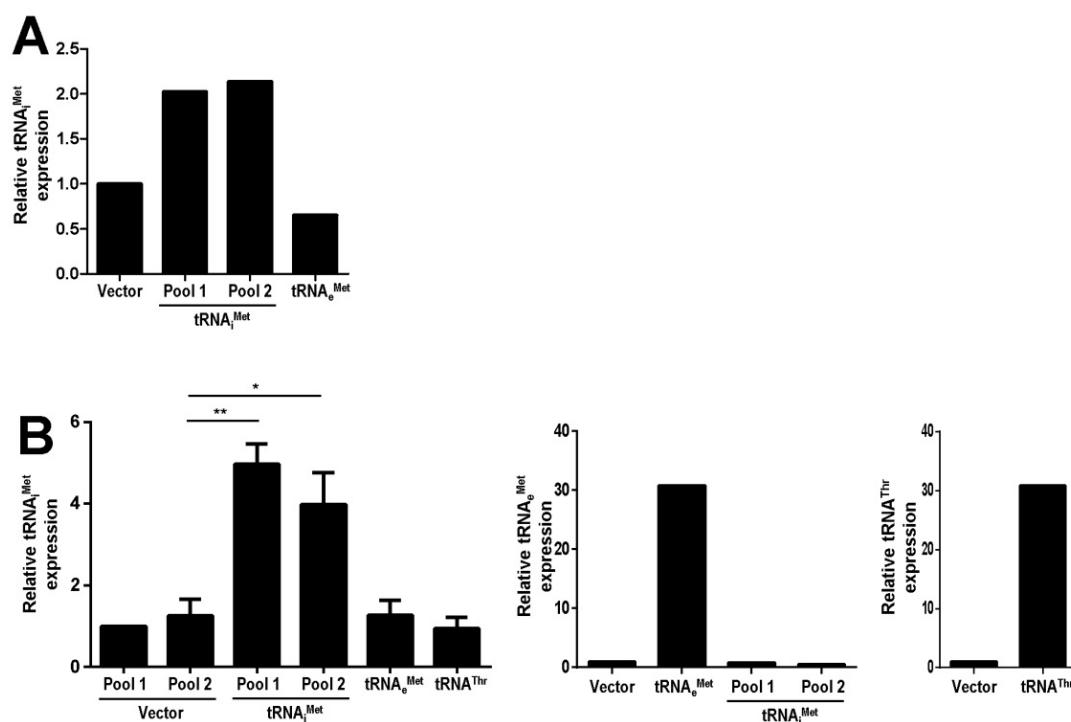


Fig. S2 Manipulation of tRNA levels in melanoma cells

(A) WM852 cells were transfected with vectors encoding $tRNA_{iMet}$, $tRNA_{eMet}$, or an empty vector control (vector) and pools of these were selected for stable expression of these Pol III products. Levels of $tRNA_{iMet}$ were determined using qPCR. Values are mean.

(B) WM266.4 cells were transfected with vectors encoding $tRNA_{iMet}$, $tRNA_{eMet}$, $tRNA^{Thr}$ or an empty vector control (vector) and pools of these were selected for stable expression of these Pol III products. Levels of $tRNA_{iMet}$ (left panel), $tRNA_{eMet}$ (centre panel) and $tRNA^{Thr}$ (right panel) were determined using qPCR. Values in the left panel are mean \pm SEM; *p<0.05, **p<0.01 Mann Whitney test. Values in the centre and right panels are mean.