



**Figure S1.** (A) Cells from Figure 1 were analyzed for mtDNA levels, normalized to nDNA and expressed as a percentage of WT. (B) Example of HMGB1 (IHC, dark nuclei) and senescence-associated beta-galactosidase (blue staining) in high and low senescence adipose tissue images. (C) Histograms of vector or mCAT-transduced Mock, SEN(IR), and MiDAS cells stained with MitoSOX or DCFDA (as in Figure 1A,B).