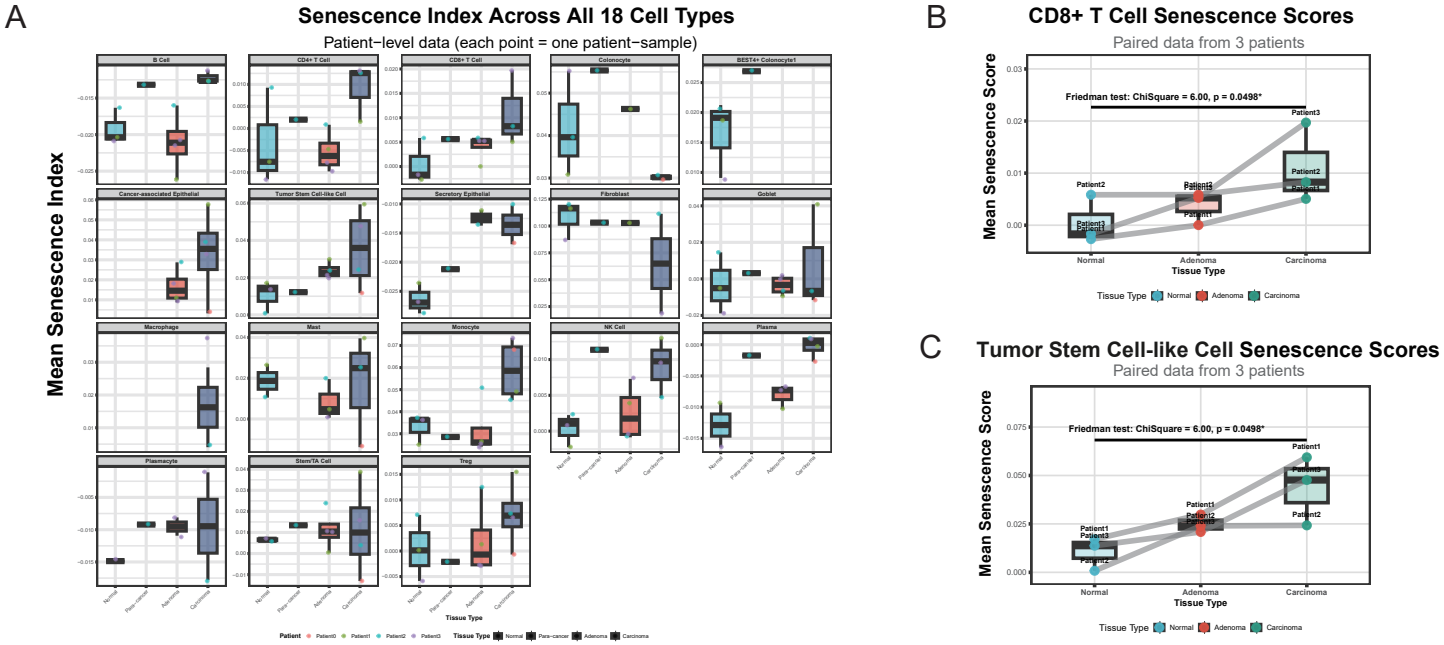


Figure S2. Senescence Index stratified by both cell type and tissue origin based on sample-level comparison. A. Each sub-panel represents one cell type, with the Senescence Index displayed for normal, para-cancer, adenoma, and carcinoma tissues. B. Friedman test analysis of CD8 T cell senescence scores across tissue types. Box plots showing mean senescence scores of CD8 T cells in Normal, Adenoma, and Carcinoma tissues from three paired patients (n = 3). Gray lines connect paired samples from the same patient. Colored points represent individual patient measurements. The Friedman test indicates a significant overall difference across tissue types (χ^2 = 6.00, p = 0.0498). Box plots show median, interquartile range, and range. C. Friedman test analysis of tumor stem cell-like cell senescence scores across tissue types.