

Supplementary Figures.

Quantification of Circulating Cell Free Mitochondrial DNA in Extracellular Vesicles with PicoGreen in Liquid Biopsies: Fast Assessment of Disease/Trauma Severity.

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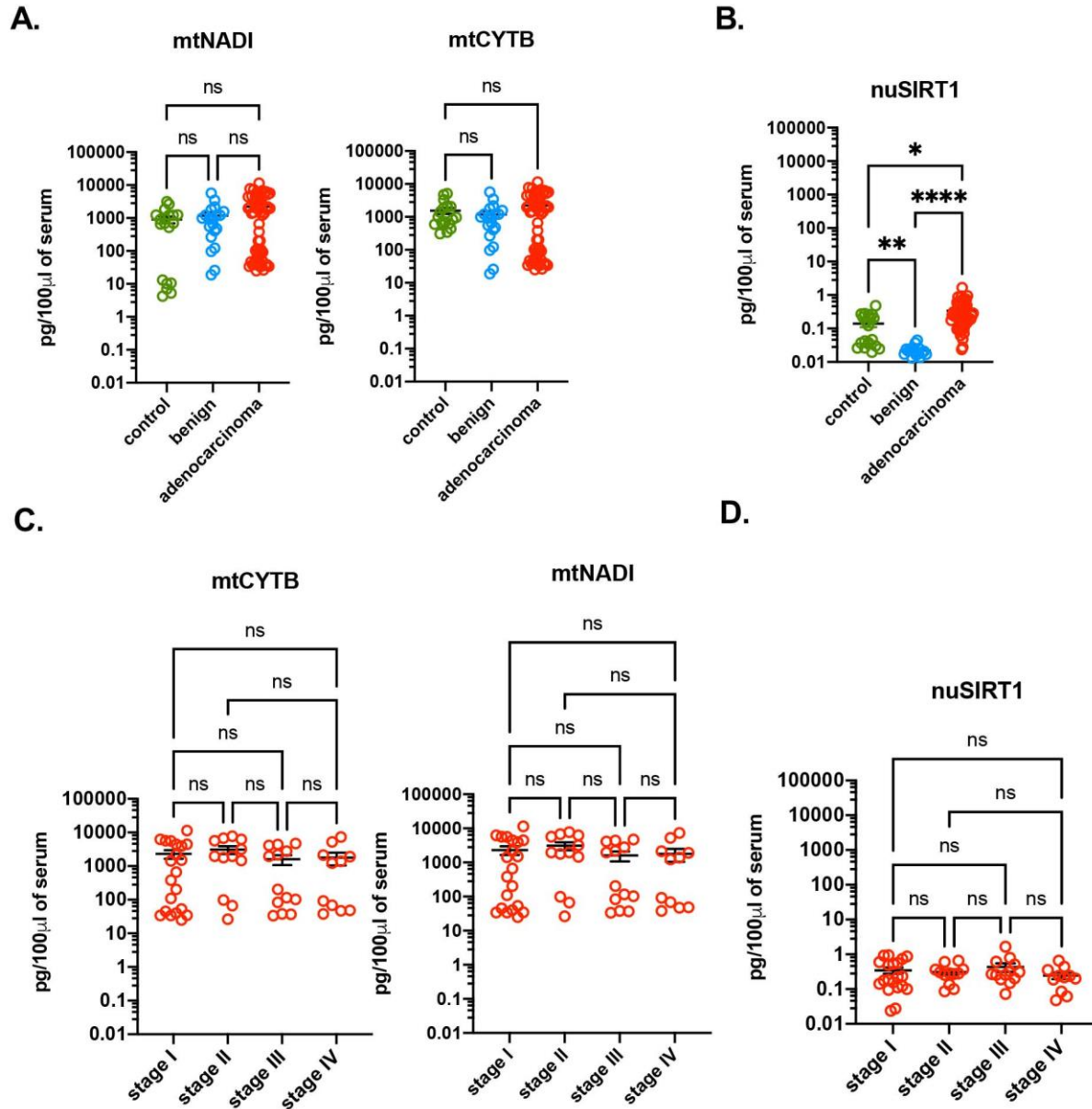
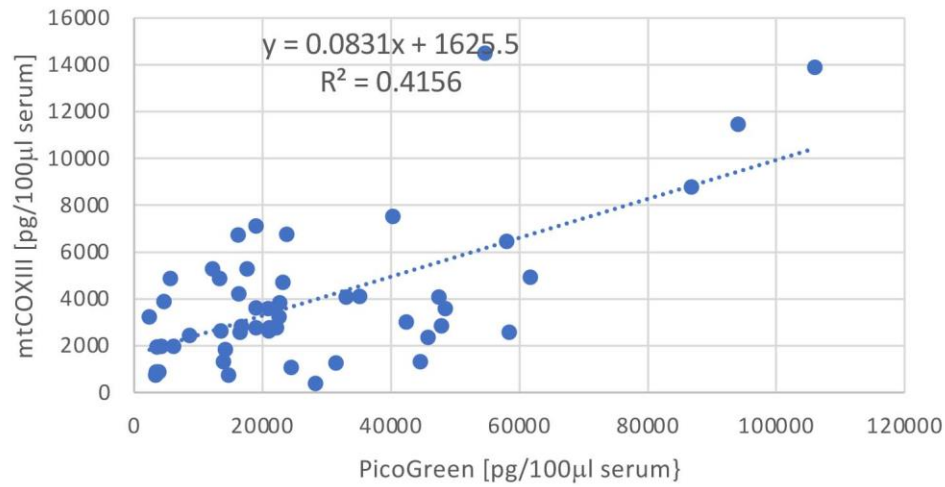


Figure S1. Serum of lung adenocarcinoma subjects have a high amount of ccf-DNA. The amount of mtDNA (A) and nuDNA (B) were quantified with qPCR using mtNADI and mtCYTB, and nuSIRT1 primers, respectively, in serum of healthy volunteers (n=20), subjects with benign tumors (n=20) and with lung adenocarcinoma (n=57). The amount of mtDNA (C) and nuDNA (D) were quantified with qPCR using mtNADI and mtCYTB, and nuSIRT1 primers, respectively, in serum of subject with stage I (n=21), stage II (n=12), stage III (n=13) and stage IV (n=11) of lung adenocarcinoma. The serum was obtained from LCBRN. The amount of DNA is expressed as pg of DNA in 100 μl of serum. * p<0.05, ** p<0.01, **** p<0.0001.

linear regression analysis of TBI subjects



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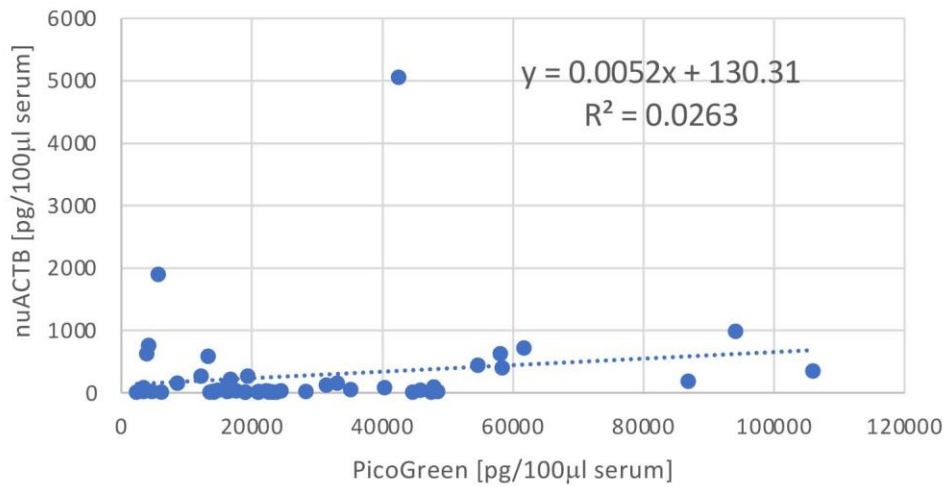


Figure S2. Linear regression analysis of the TBI cohort. We compared amount of ccf-DNA calculated using PicoGreen and with qPCR using mtDNA-specific (mtCOXIII) and nu-DNA-specific (nuACTB) primers. R^2 value was calculated with Excel software.