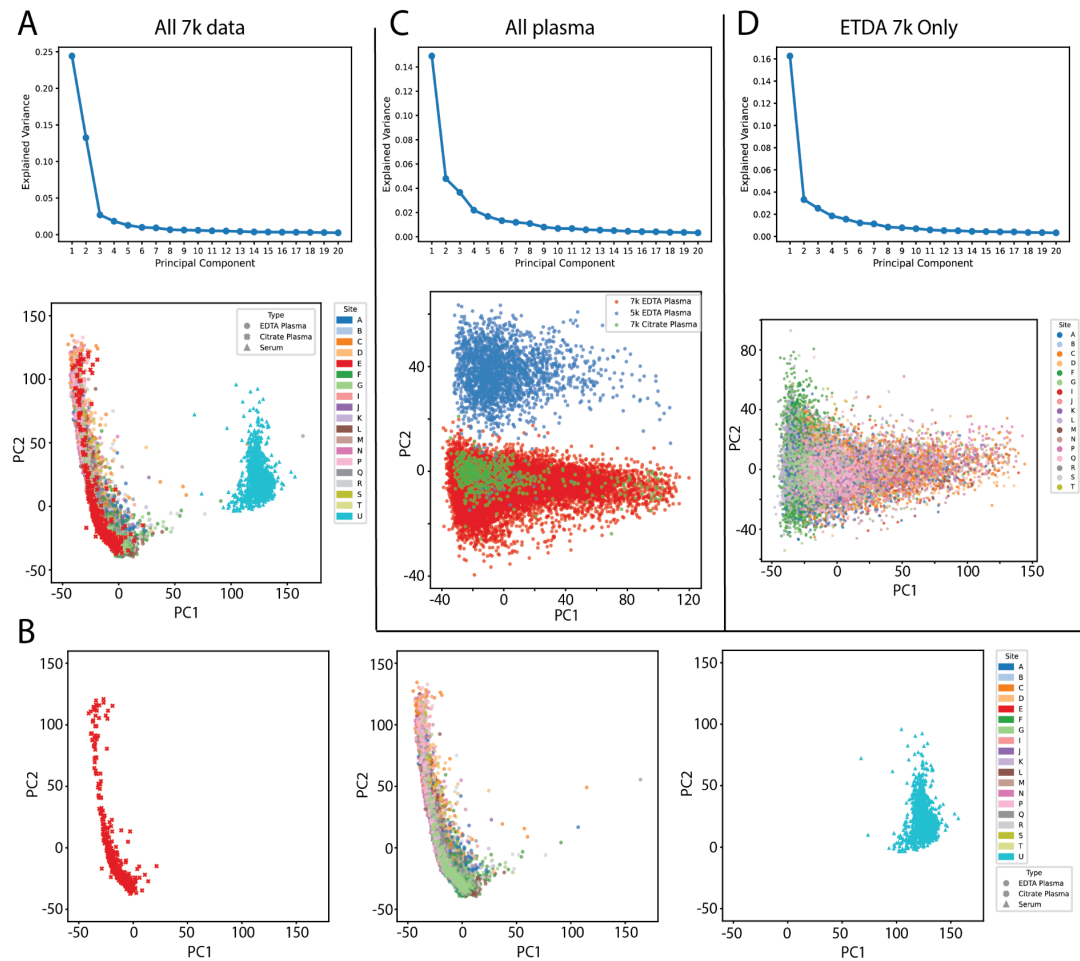


The Global Neurodegeneration Proteomics Consortium: biomarker and drug target discovery for common neurodegenerative diseases and aging

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Supplemental Figure 1: Principal component plots summarize variation in GNPC proteomic data

(A) Scree plot of principal components (PCs) and visualization of the first two (PCs) of the n=16,540 GNPC participants after outlier removal, data imputation and normalization. Marker color represents contributing cohort, while marker shape indicates matrix type (EDTA plasma, citrate plasma or serum). Scree plot shows variance explained for the first 20 PCs of the dataset. B) Same data and visualization as A, but each type of matrix (EDTA plasma, citrate plasma, serum) plotted separately to maximize visualization. C) PC plot for N=17,150 participants with 7k or 5k plasma or serum proteomics data, with the same processing steps described in A. PCA was performed based on aptamers shared across both 5k and 7k platforms. Samples are colored by the assay and sample handling (e.g. EDTA vs. Citrate). This sample matches the data used for the three Vignettes described in the main text. The scree plot shows variance explained for the first 20 PCs of the dataset. D) Scree plot and PC plot for all plasma 7k EDTA data (n=14,364), with marker color indicating contributing site.



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