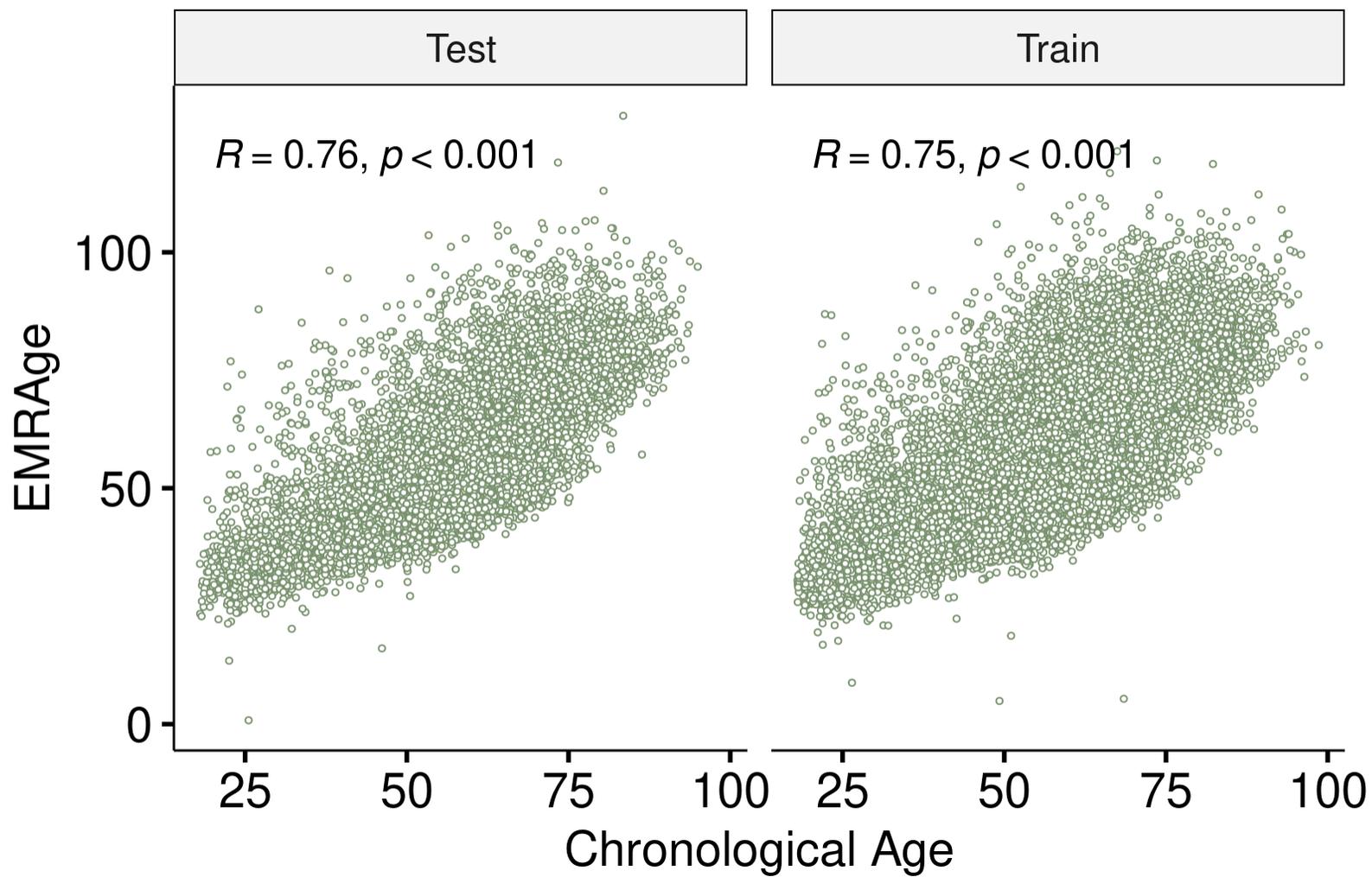
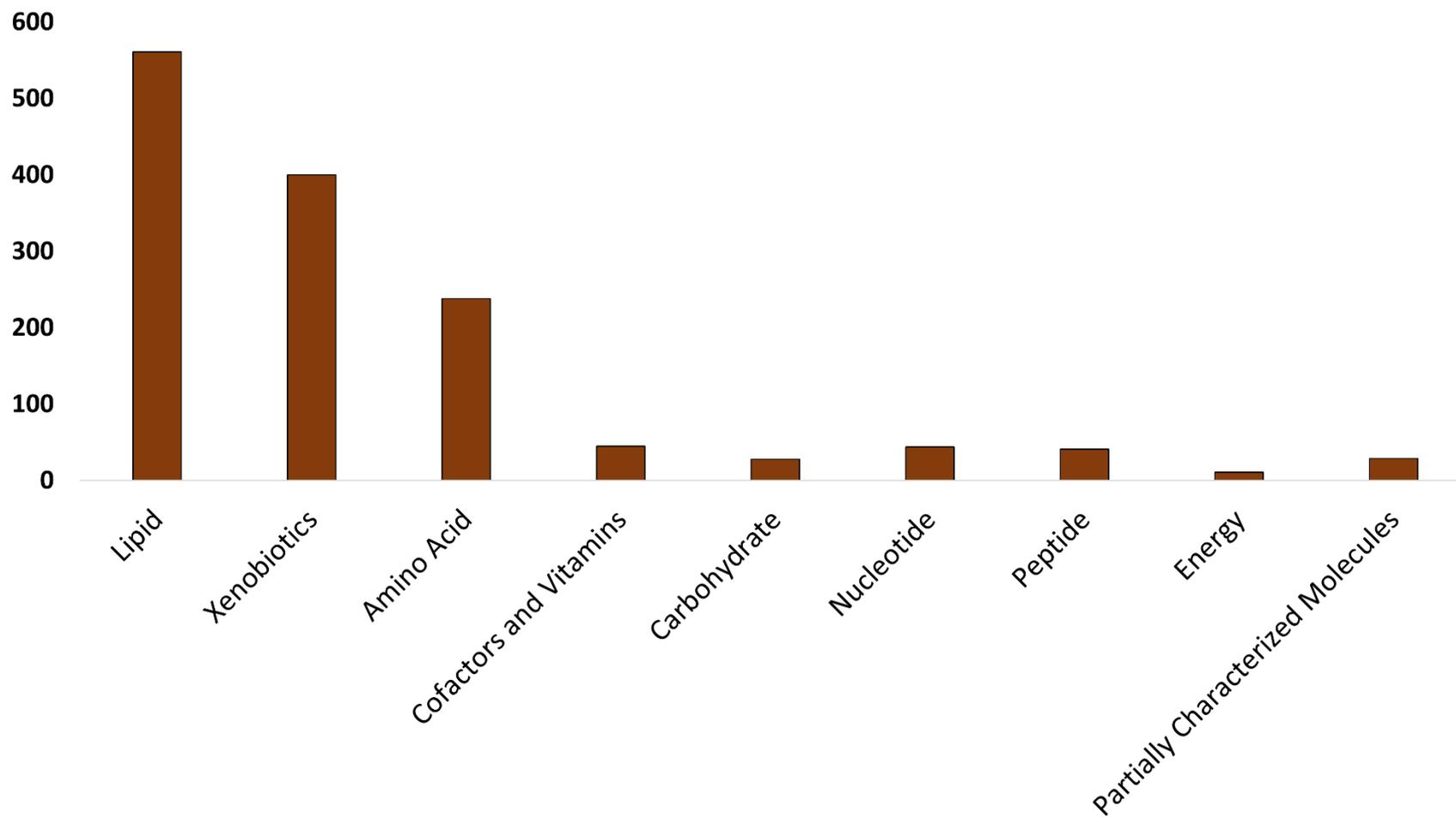


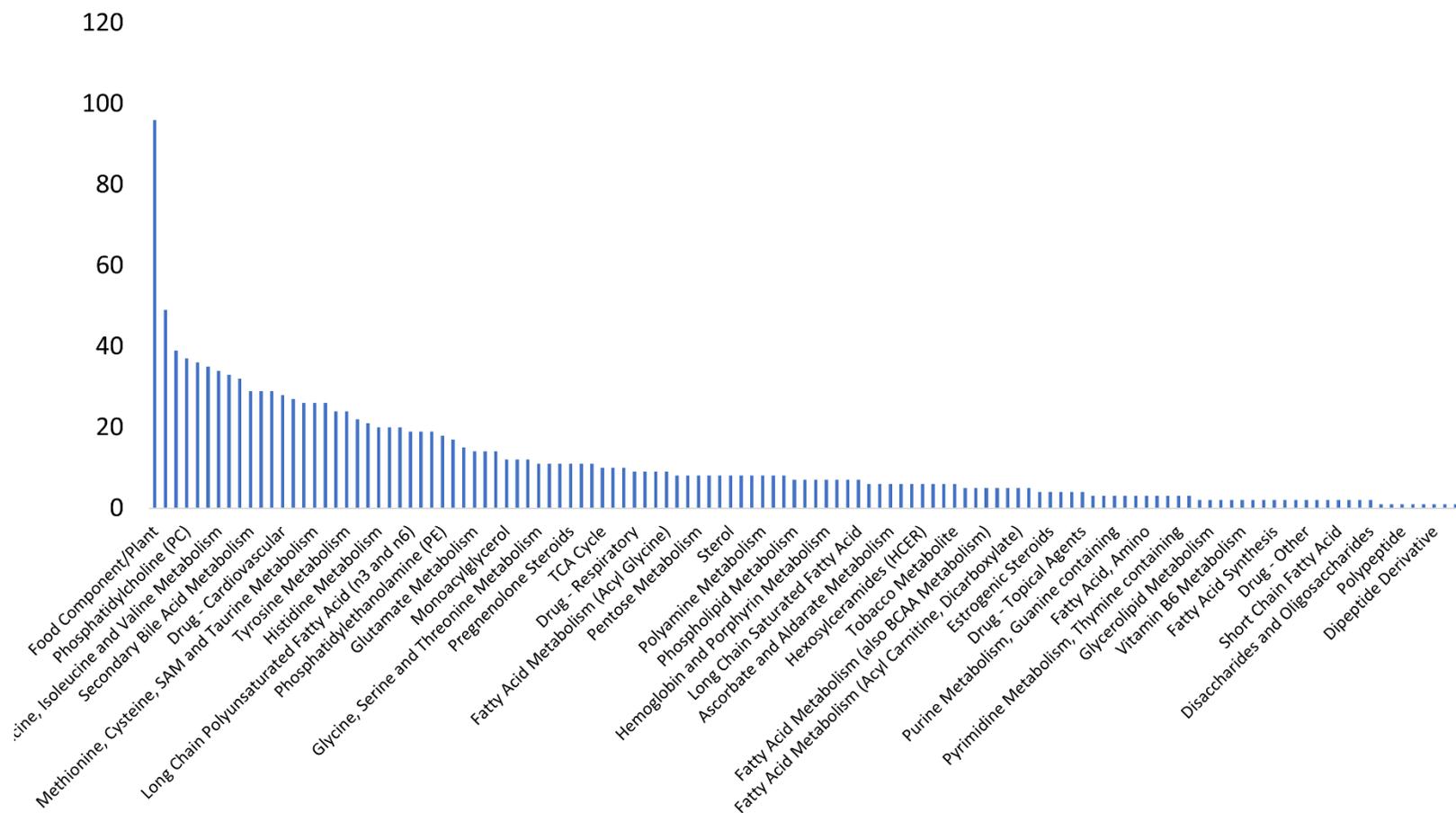
Extended Figure S1. Flowchart for inclusion of participants from the Massachusetts General Brigham (MGB) Biobank for the development of *EMRAge*.



Extended Figure S2. Pearson's correlation between *EMRAge* and chronological age in the test and train sets.

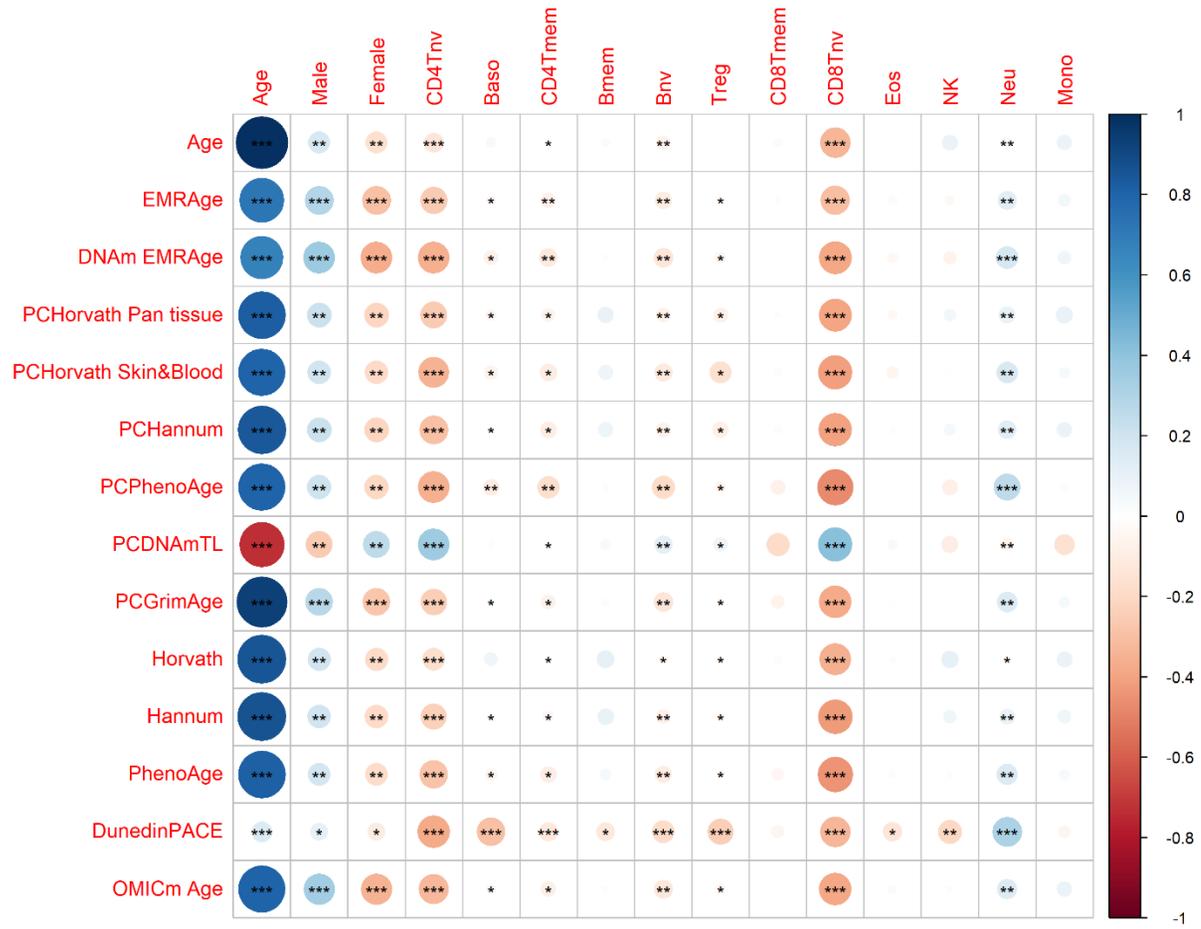
A

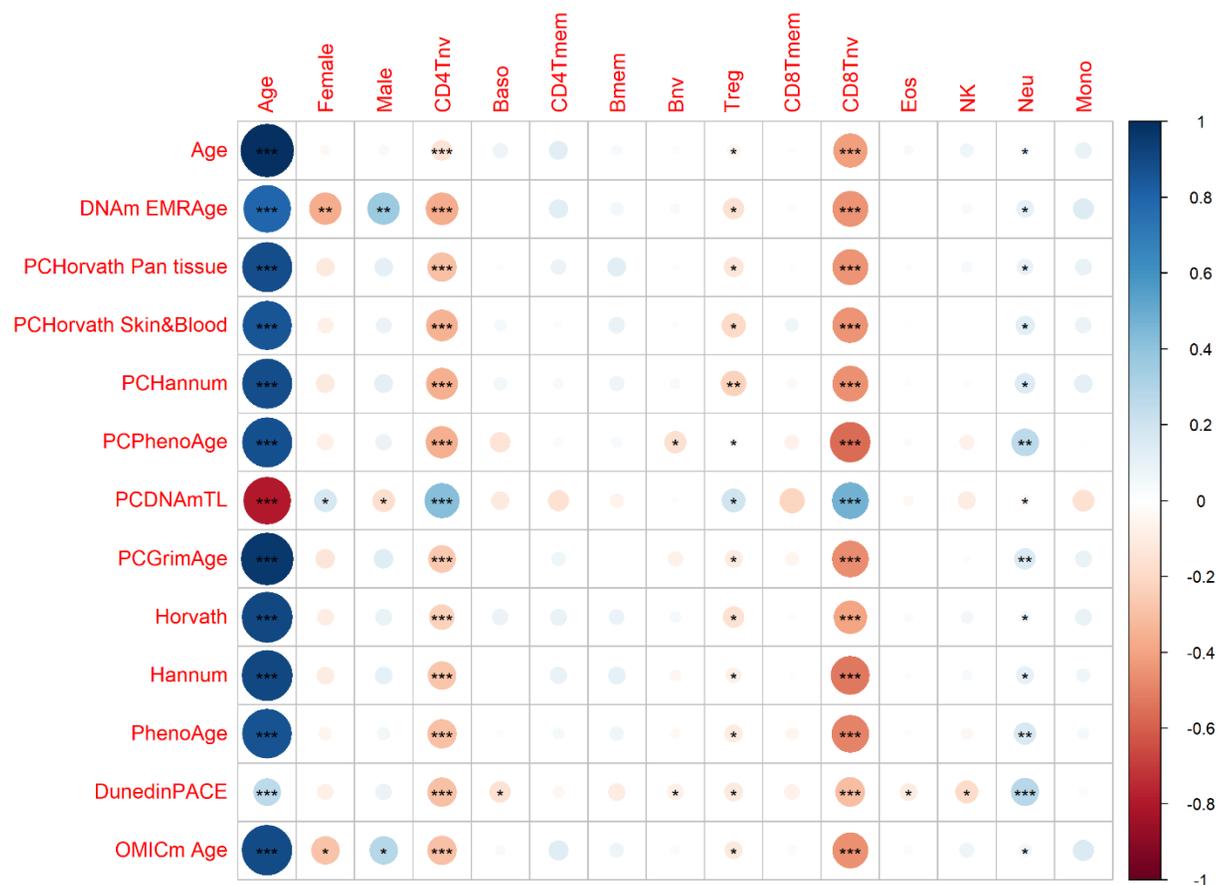


B

Extended Figure S3. Distribution of super pathways (A) and subpathways for all the metabolites (B).

A



B

Extended Figure S4. Correlation plots between epigenetic clocks and immune cells in the MGB-ABC and TruDiagnostic biobanks. A) Discovery cohort - MGB-ABC biobank. **B)** Validation cohort - TruDiagnostic biobank. Each column represents a covariate among age, gender male, gender female, and immune cells. The size is related to the magnitude of the correlation and the color to the direction (positive or negative). *: p-value < 0.05, **: p-value < 0.01, ***: p-value < 0.001.