



Figure S1. Serum amino acid concentrations in study participants according to frailty

category. Values are reported in $\mu\text{mol/L}$. Box plots show the median serum concentration (bold horizontal line), interquartile range (box), and total range of concentrations (bars). Abbreviations: F-T2DM, pre-frailty/frailty with type 2 diabetes mellitus; PF&S, physical frailty and sarcopenia.