



**Supplemental Fig. S3.** Relationship between serum chemistry and muscle fiber characteristics of vastus lateralis. Comparison of type IIa and IIx muscle fiber proportions by (A) serum calcium, (B) vitamin D, (C) C-telopeptide (CTX), (D) procollagen type 1 N-terminal propeptide (P1NP), (E) alkaline phosphatase (ALP), and (F) glucose levels. Data are expressed as mean  $\pm$  standard error of the mean.