



**Supplementary Figure 5.** Serum insulin-like growth factor-binding protein (IGFBP)-1 value correlates to various dipeptidyl peptidase (DPP)-4 inhibitor studies but not in IGFBP-3. (A) Comparison of serum IGFBP-3 and insulin-like growth factor (IGF)-I levels in the control and DPP-4 inhibitor groups before and after treatment. (B) Result of correlation analysis between serum IGFBP-1 and alanine aminotransferase (ALT), aspartate aminotransferase (AST), and triglyceride levels in the pre-biopsy study. (C) Result of correlation analysis between liver messenger RNA (mRNA) IGFBP-1 and serum IGF-I, IGFBP-3 levels in various end-biopsy studies. All data are expressed as the mean±standard deviation. NC, normal chow; CDHF, choline-deficient high-fat diet; HFD, high-fat diet. \* $P=0.01-0.05$ . \*\*\* $P<0.001$ .