Supplementary Figures
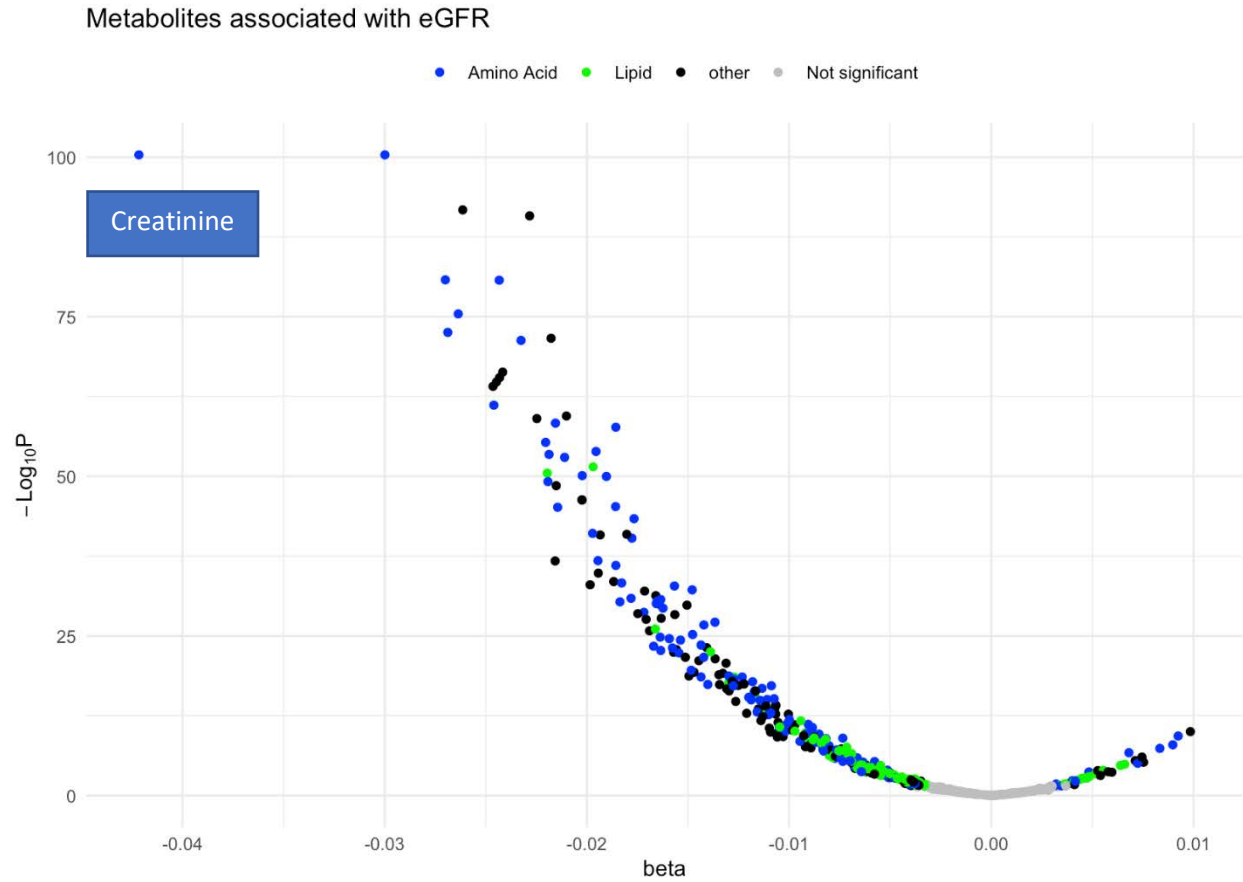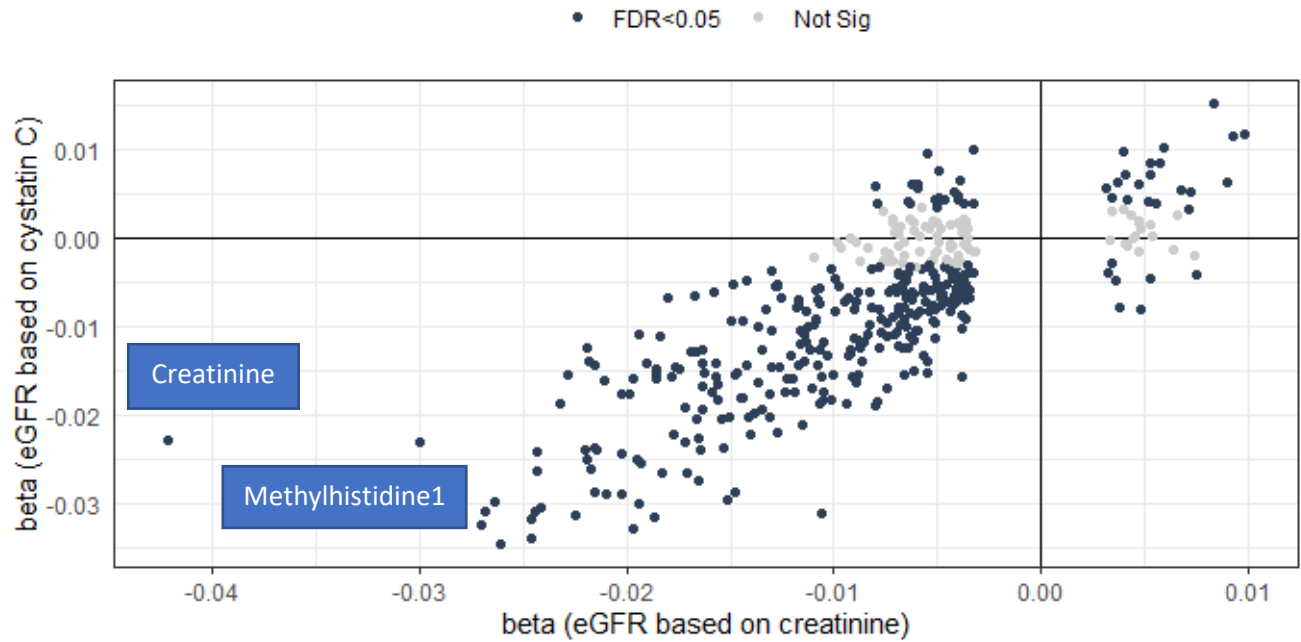
Figure S1. Volcano plot showing the association of metabolites with eGFR in models adjusted for age, gender, center and Hispanic Background (n=640 metabolites).
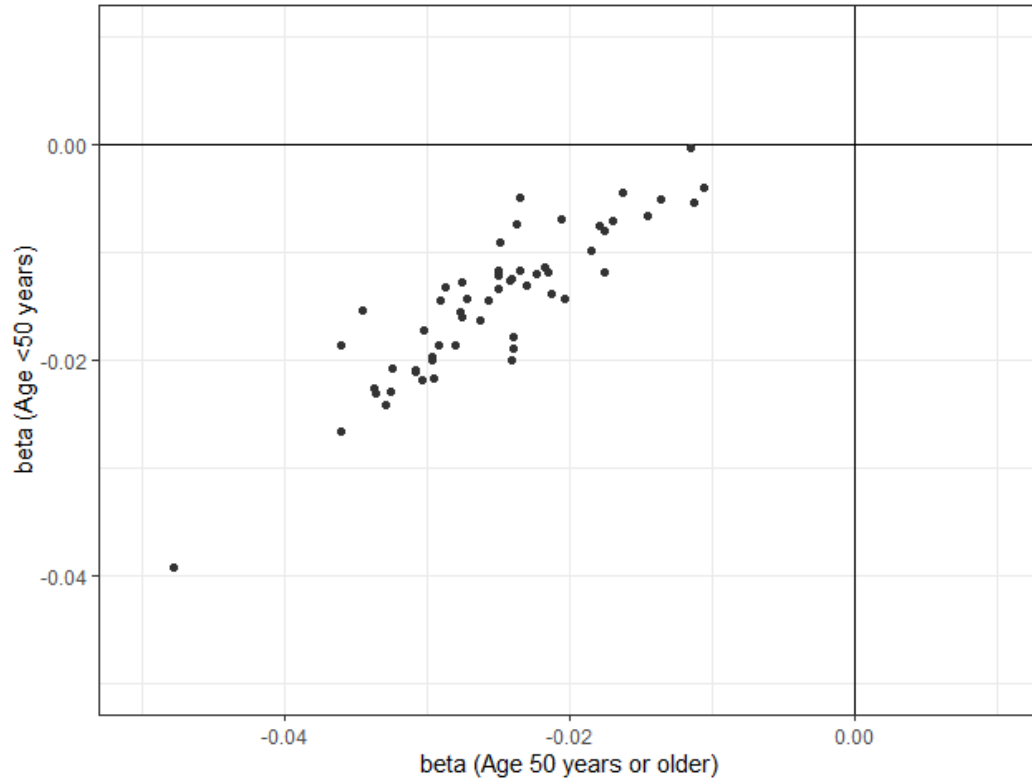
Figure S2. Comparison of betas of associations with metabolites when using eGFR based on serum creatinine and eGFR based on cystatin C. In grey, metabolites not significant in models using eGFRcys. Note the larger negative effect estimates for the association of creatinine and N-acetyl-1-methylhistidine (Methylhistidine1) in models using eGFR based on serum creatinine compared to models using eGFR based on cystatin C.
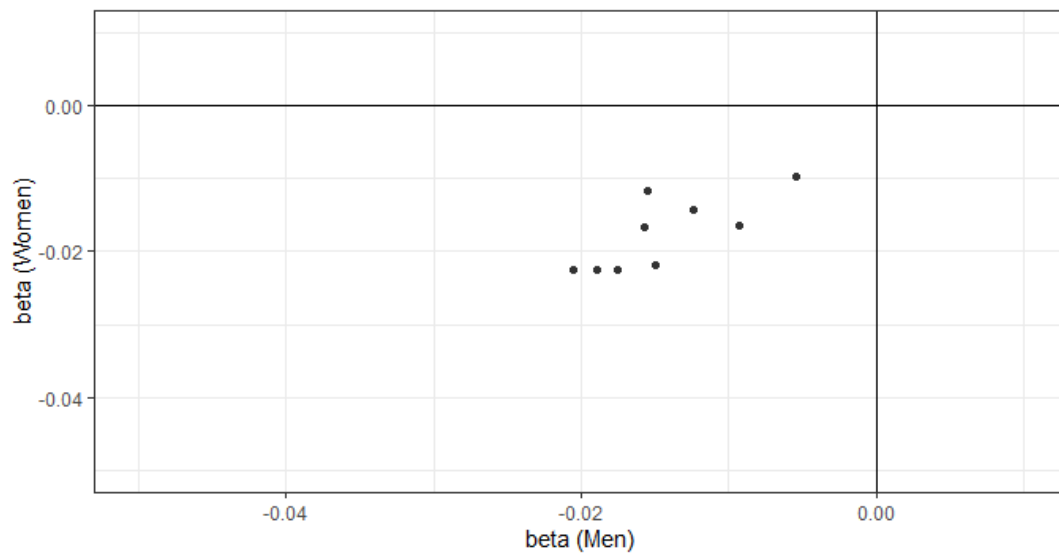
Figure S3. Comparison of betas across strata of lifestyle and clinical risk factors. For each metabolite results, see Tables S4-S9.
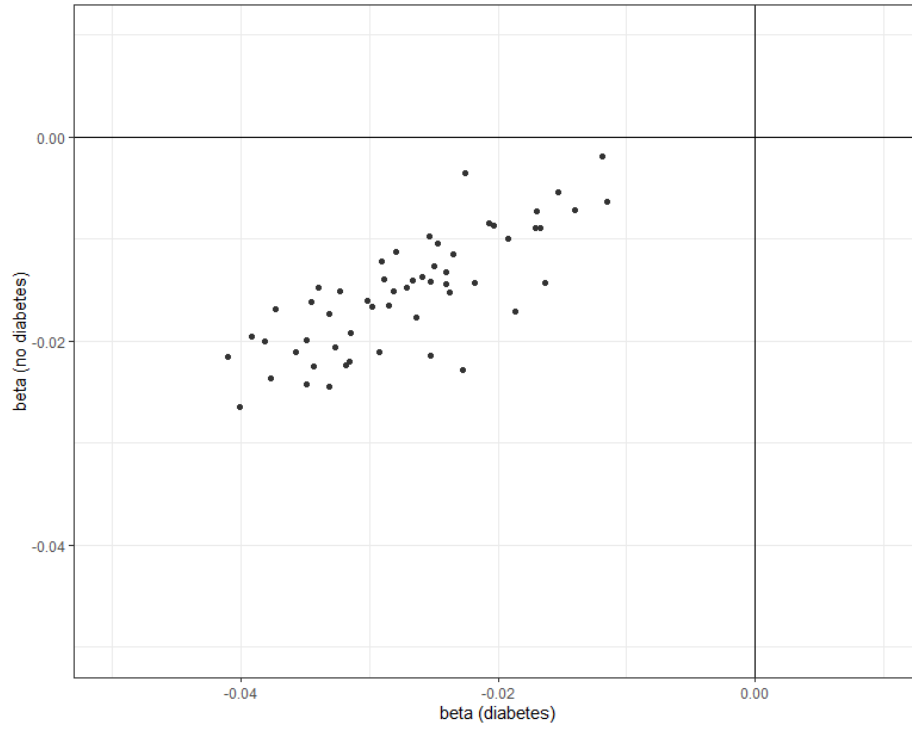
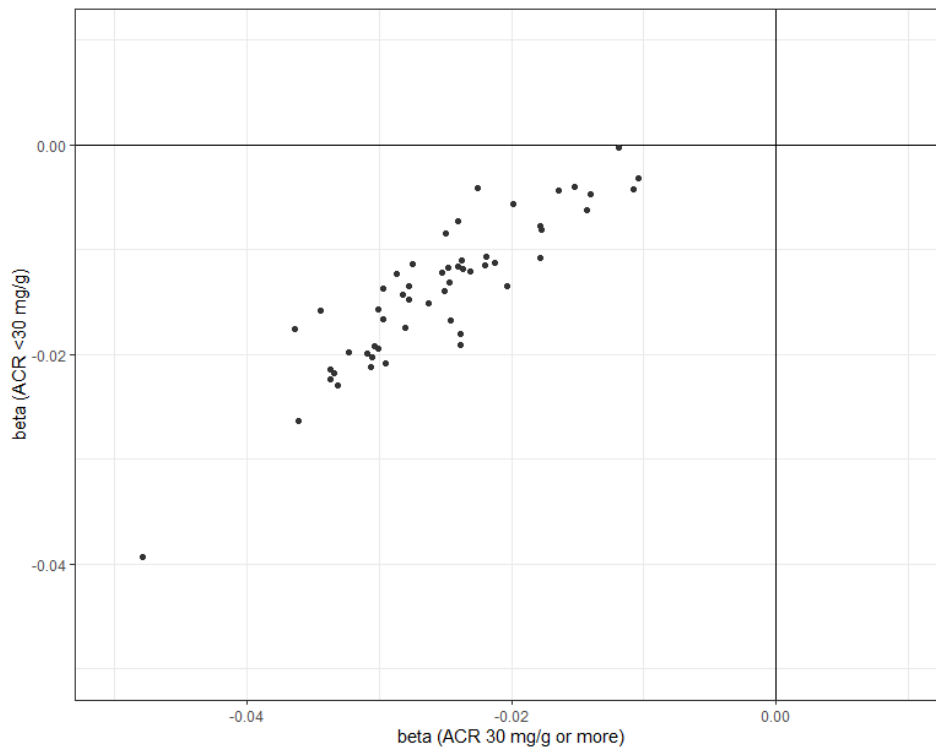**a. Metabolites with age interaction**

b. Metabolites with gender interaction

c. Metabolites with diabetes interaction

d. Metabolites with ACR interaction

e. Metabolites with Hispanic/Latino background interaction