Supplemental Fig S6. Allelic effects on biomarker levels. The X-axis represents the weighted (by the regression coefficients) allelic effects by the top GWAS SNPs and the Y-axis is the measured biomarker level for each individual. For biomarkers with more than one independent SNP, all independent cis-SNPs are included, and N indicates the number of SNPs included. R-squared is the fraction of the variance in biomarker levels explained by all (N) variants. For biomarkers with \( N=1 \), most individuals are in either of three clusters that correspond to individuals being homozygous for the minor or major allele or individuals being heterozygous. Dosage values for the imputed genotypes are used, and therefore, some individuals are located outside the three clusters. For biomarkers with more than one SNP included as IVs; more than three clusters are observed which agrees with the higher number of possible allele-combinations.
MMP-10, top SNPs
R-squared: 0.082

MMP-7, top SNPs
R-squared: 0.123

MMP-12, top SNPs
R-squared: 0.099

MPO, top SNPs
R-squared: 0.046