- **Supplementary Data File 1: 27 genetic loci for glycine levels.** This file contains the information on the 27 genetic loci identified for glycine levels based on a p-value-based meta-analysis of GWAS for glycine levels in up to 80,003 participants, including the sexcombined and sex-specific effect sizes and annotations for each of the loci.
- Supplementary Data File 2: Results of the stepwise selection model to identify secondary genetic signals for glycine levels using GCTA-COJO.
- Supplementary Data File 3: Overview of reported associations of the genetic loci for glycine with other traits and metabolites.
- Supplementary Data File 4: Associations of 4 genetic scores for glycine and rs715 with 894 metabolites in EPIC-Norfolk.
- Supplementary Data File 5: full summary-level results of the p-value-based metaanalysis of 5 GWAS for glycine levels. This file contains the following columns:
 - MarkerName: chr[chromosome number]:[Base pair position based on GRCh37]:[Alleles in alphabetical order]
 - o Chr: chromosome number
 - o Pos_GRCh37: base pair position according to GRCh37
 - o Effect_allele: Effect allele
 - o Other_allele: Other allele
 - Effect_allele_frequency: Meta-analysed effect allele frequency across all studies in which the variant was covered
 - Zscore: Z score showing the direction and strength of association of the variant with glycine levels
 - o Pvalue: P-value for the Z score
 - Direction_by_study: String of 5 characters indicating the direction of effect of the effect allele in each of the 5 studies. "?" means that the variant was not covered in the study. The order of the studies is the following:
 - 1. Fenland
 - 2. INTERVAL
 - 3. Kettunen et al.
 - 4. TwinsUK from Shin et al.
 - 5. EPIC-Norfolk
 - o SampleSize: Total sample size for the variant