

Supplementary Figures

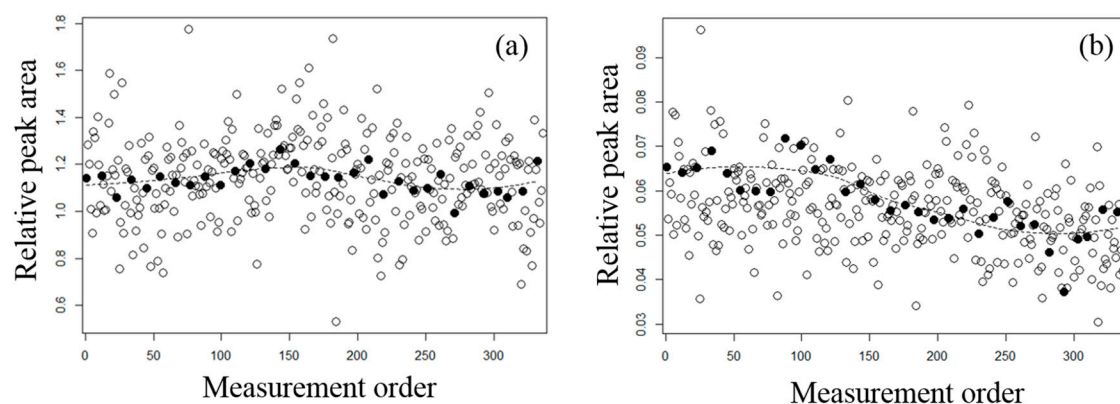


Figure S1: The smoothing trends for (a) carnitine and (b) uridine. Open circles indicate each individual's actual samples and closed circles indicate QC samples. The dashed lines show estimated values of normalization using the QC samples with locally estimated scatterplot smoothing (loess).

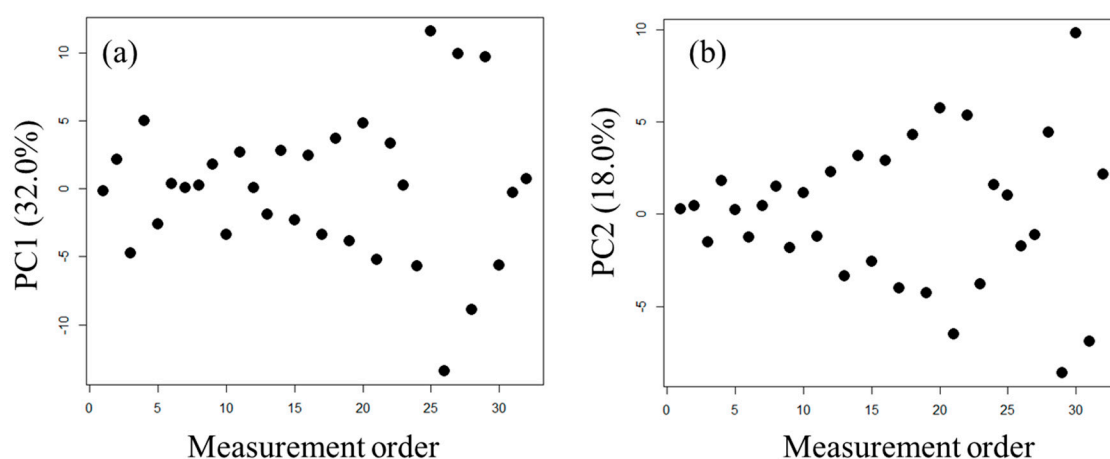


Figure S2: Results of PCA for normalized metabolome data from QC samples. The vertical axes show the PC1 score (a) and PC2 score (b).