Description of Additional Supplementary Files

Supplementary Data 1. A list of all the metabolites measured and their technical details. The summary statistics are measured from log2 transformed raw data.

Supplementary Data 2. The batch sample arrangement design represented as a plate format used in the study to embed intra-batch and inter-batch sample replicates. There are 8 rows and 11 columns per batch, samples marked with "*" indicates intra-batch sample replicates and "***" indicates inter-batch sample replicates.