

Supplementary Materials

Legends of Supplementary Tables and Figures

Figure S1. Construction and analysis of the primary library

Figure S2. Yeast colony PCR

Figure S3. Score scatter plot of the PCA model for Groups A, B and C

Table S1. Validation of the OPLS-DA model

Table S2. Heat map of all metabolites

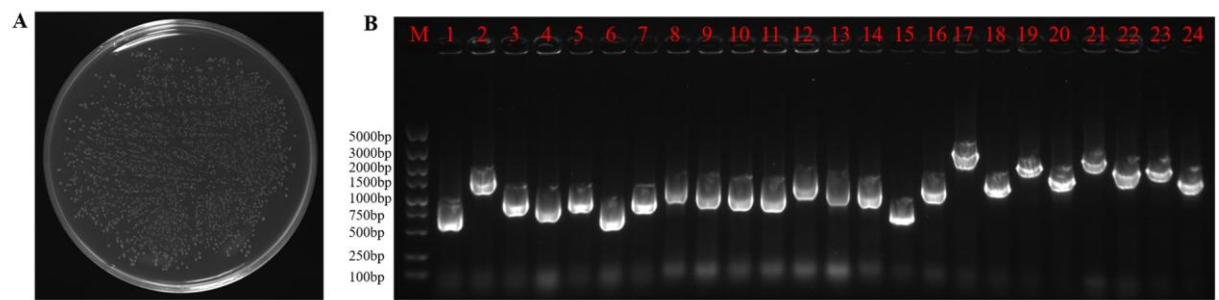


Figure S1: Construction and analysis of the primary library.

A): *E. coli* colony count. *E. coli* colony plates were photographed after 12 h, the dilution ratio was 10000, and the number of plate clones was about 2456. B) Library quality evaluation. *E. coli* colony PCR, M: Maker, 1-24:24 clones were randomly selected for PCR, and electrophoresis was performed after PCR.

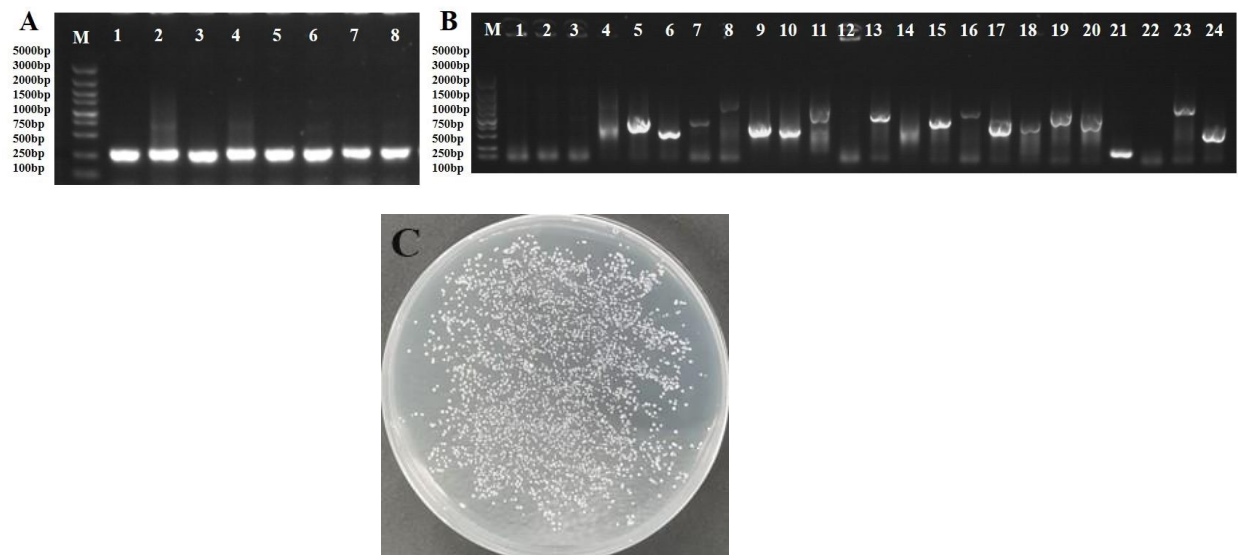
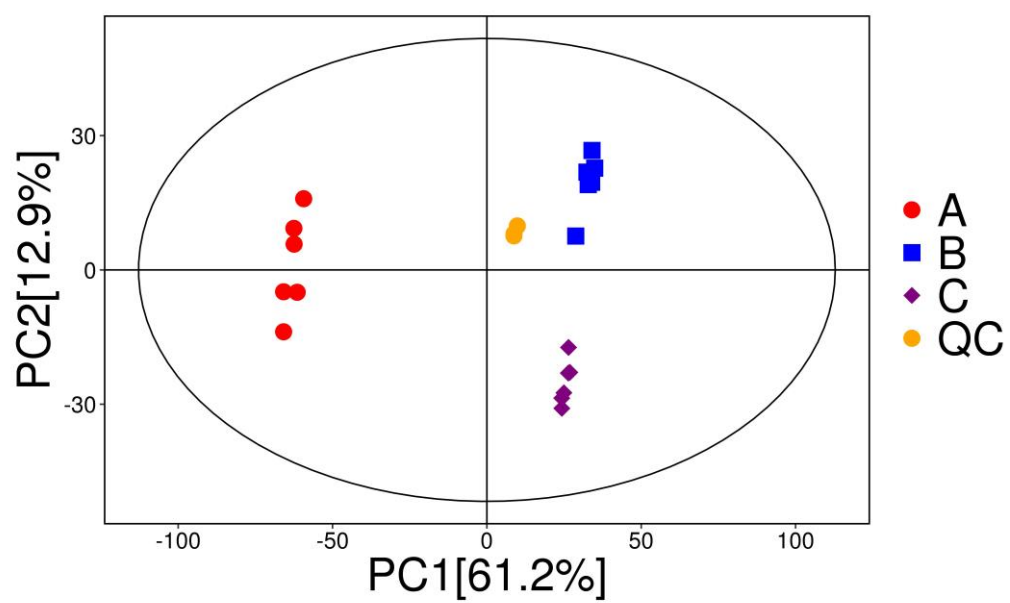


Figure S2: Yeast colony PCR

A): PCR of empty plasmid pYES2 clones. B): PCR of blueberry library clones. C): Yeast stock solution coated after 10,000-fold dilution.



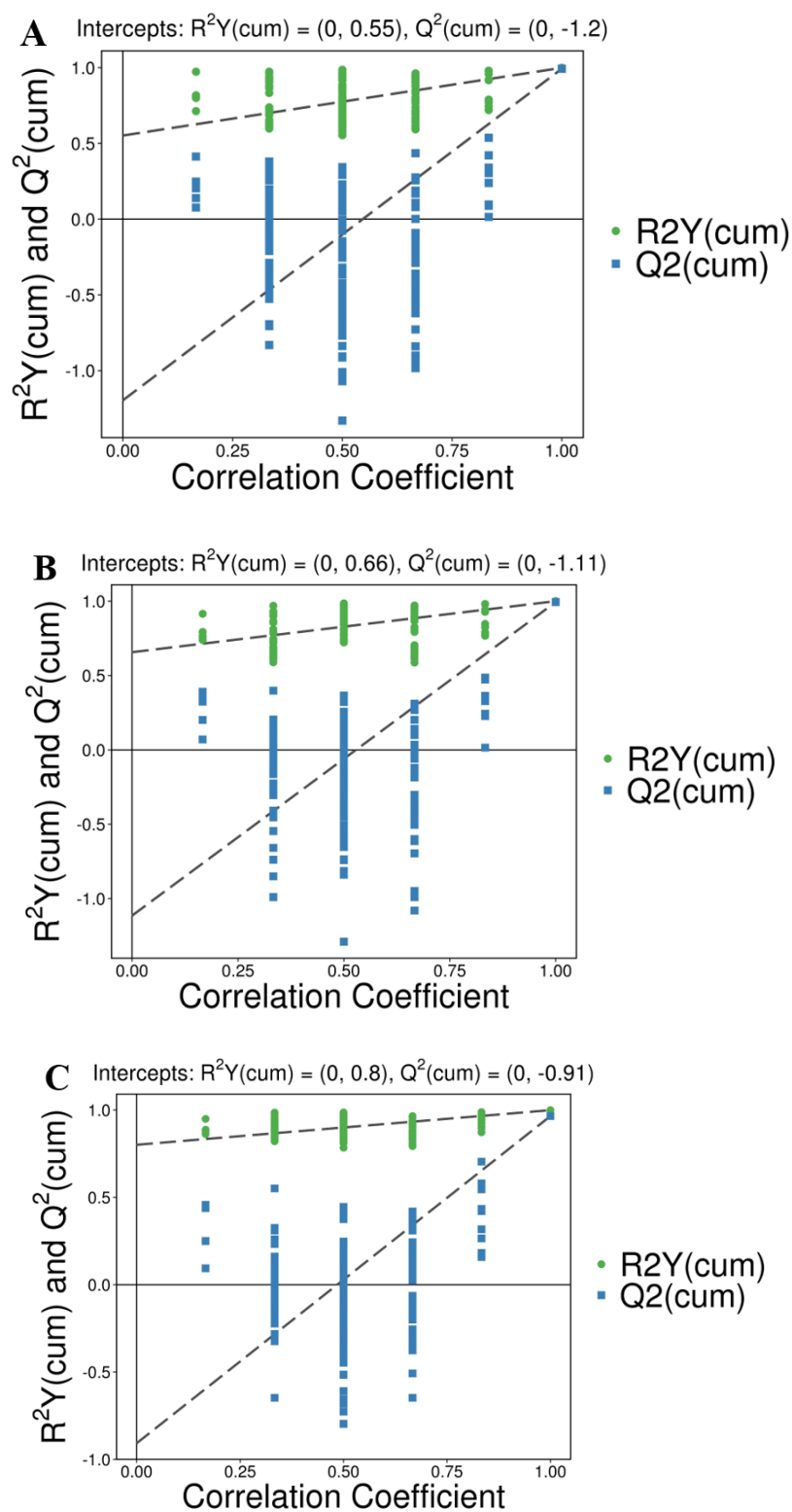


Figure S4: Validation of the OPLS-DA model. A): A and B. B): A and C. C): B and C.

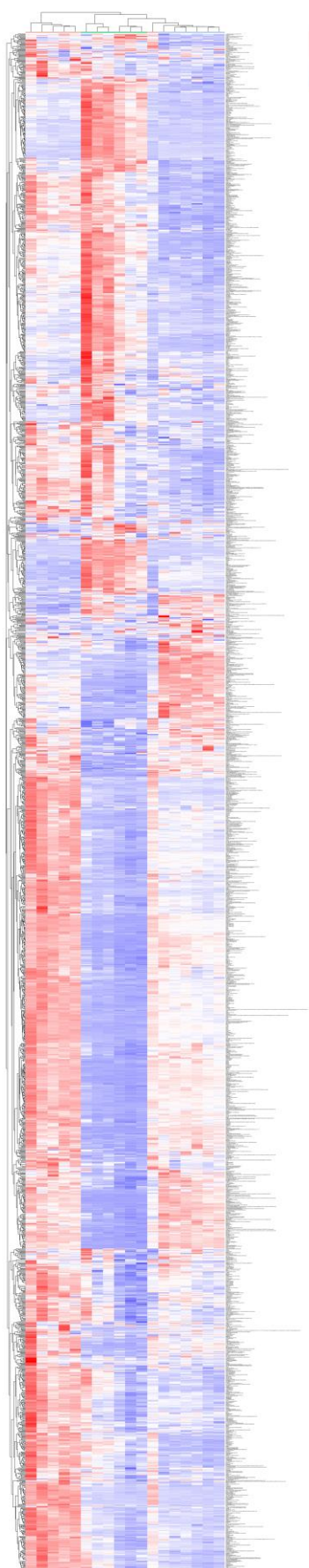


Figure S5: Heat map of all metabolites.