

Supplemental information

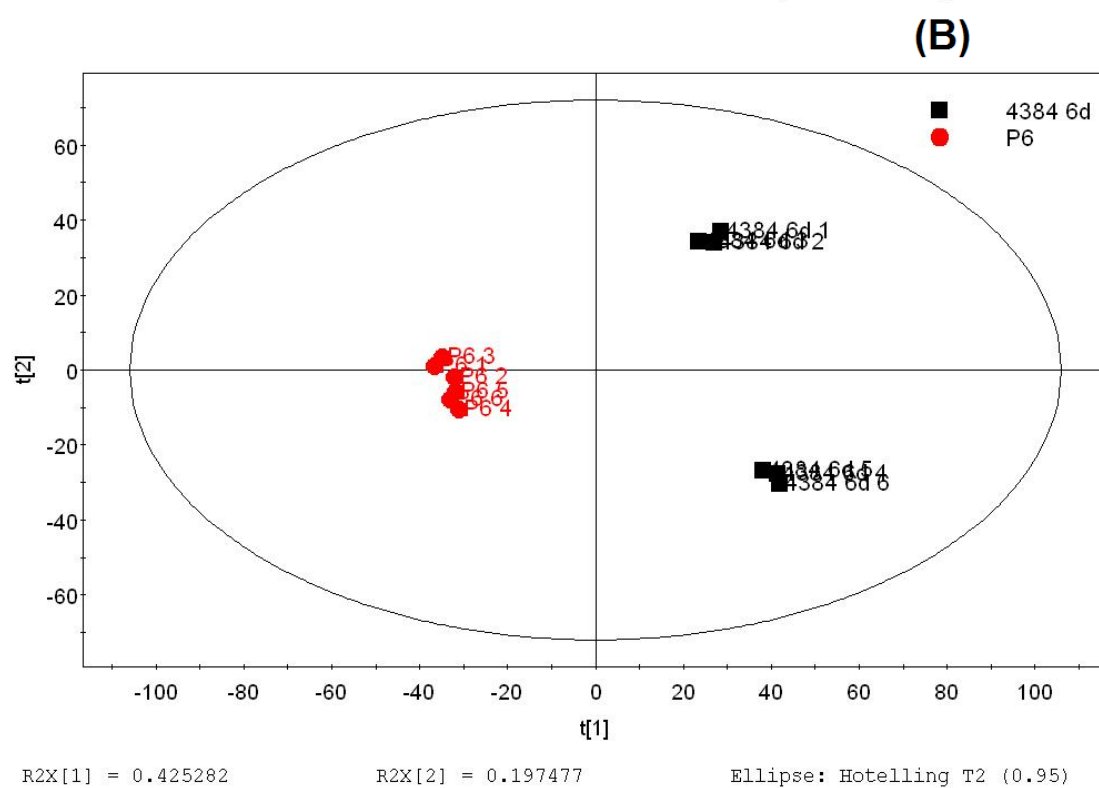
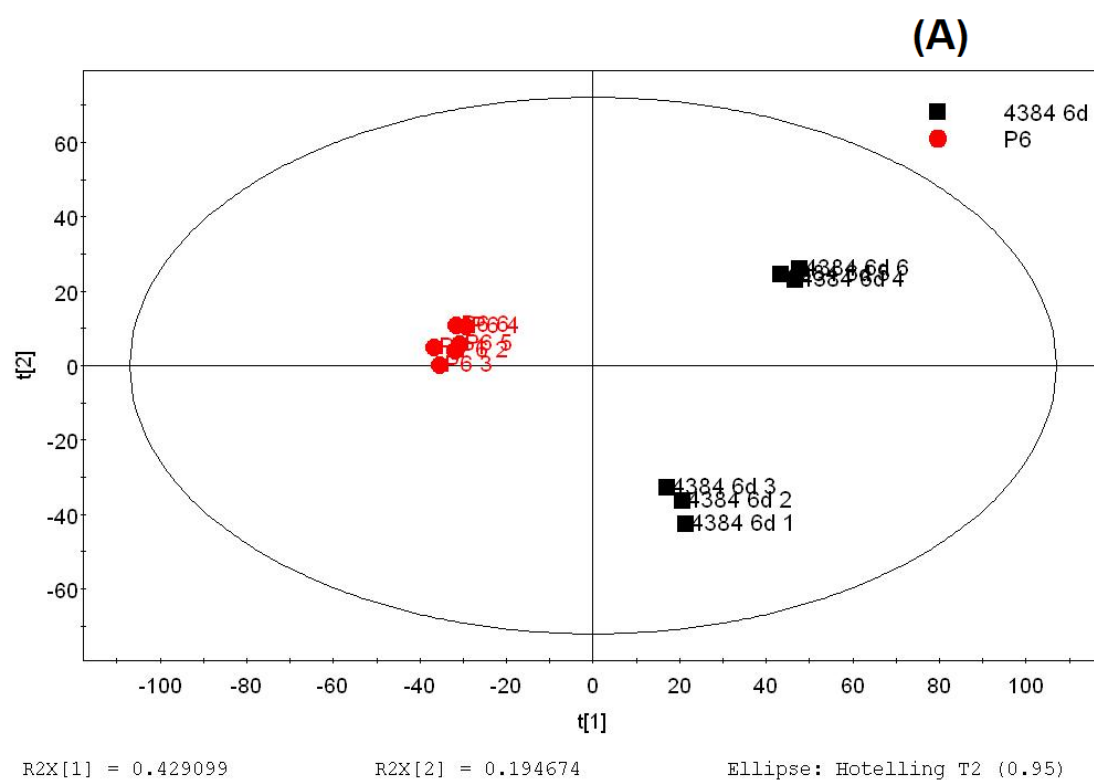
Figure S1. (A) The PCA, (B) PLS-DA, and (C) OPLS-DA score plots of metabolic differences in the RYR from the wild-type strain and *Monascus* PHDS26 after 6 days of fermentation. 3484: wild-type strain of *Monascus aurantiacus* Li AS3.4384. P: *Monascus* PHDS26.

Figure S1. (A) The PCA, (B) PLS-DA, and (C) OPLS-DA score plots of metabolic differences in the RYR from the wild-type strain and *Monascus* PHDS26 after 10 days of fermentation. 3484: wild-type strain of *Monascus aurantiacus* Li AS3.4384. P: *Monascus* PHDS26.

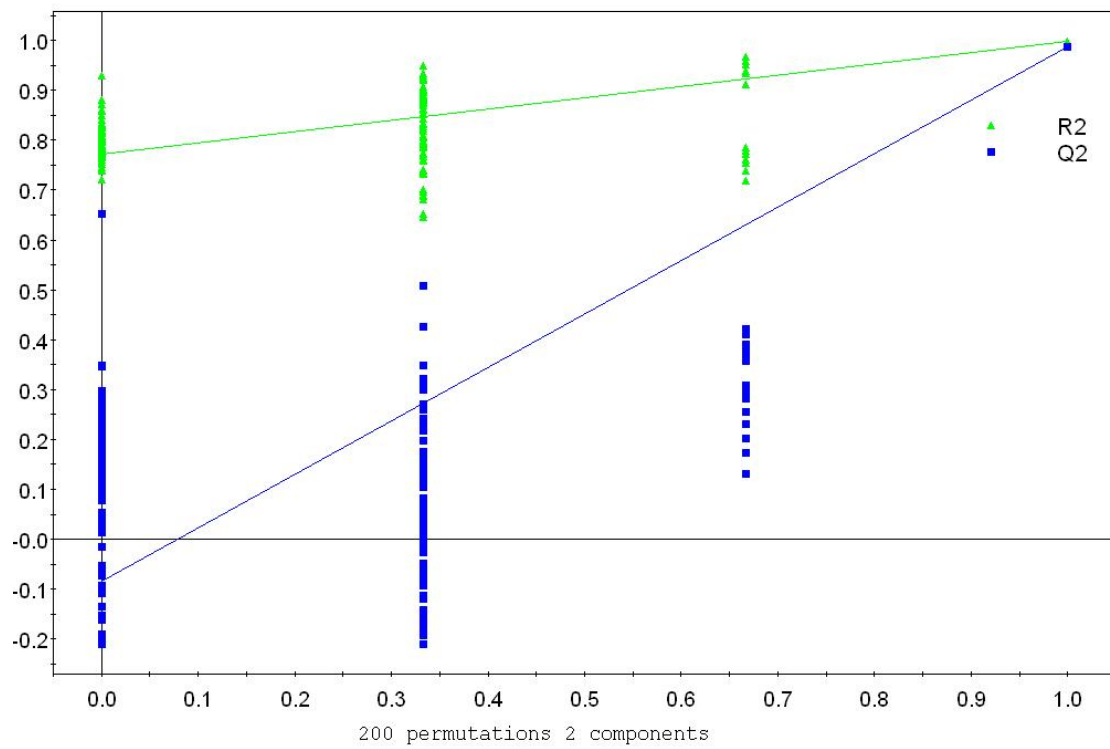
Figure S3. (A) The PCA, (B) PLS-DA, and (C) OPLS-DA score plots of metabolic differences in the RYR from the wild-type strain and *Monascus* PHDS26 after 14 days of fermentation. 3484: wild-type strain of *Monascus aurantiacus* Li AS3.4384. P: *Monascus* PHDS26.

Figure S4. (A) The PCA, (B) PLS-DA, and (C) OPLS-DA score plots of metabolic differences in the RYR from the wild-type strain and *Monascus* PHDS26 after 18 days of fermentation. 3484: wild-type strain of *Monascus aurantiacus* Li AS3.4384. P: *Monascus* PHDS26.

Figure S1



(C)



(D)

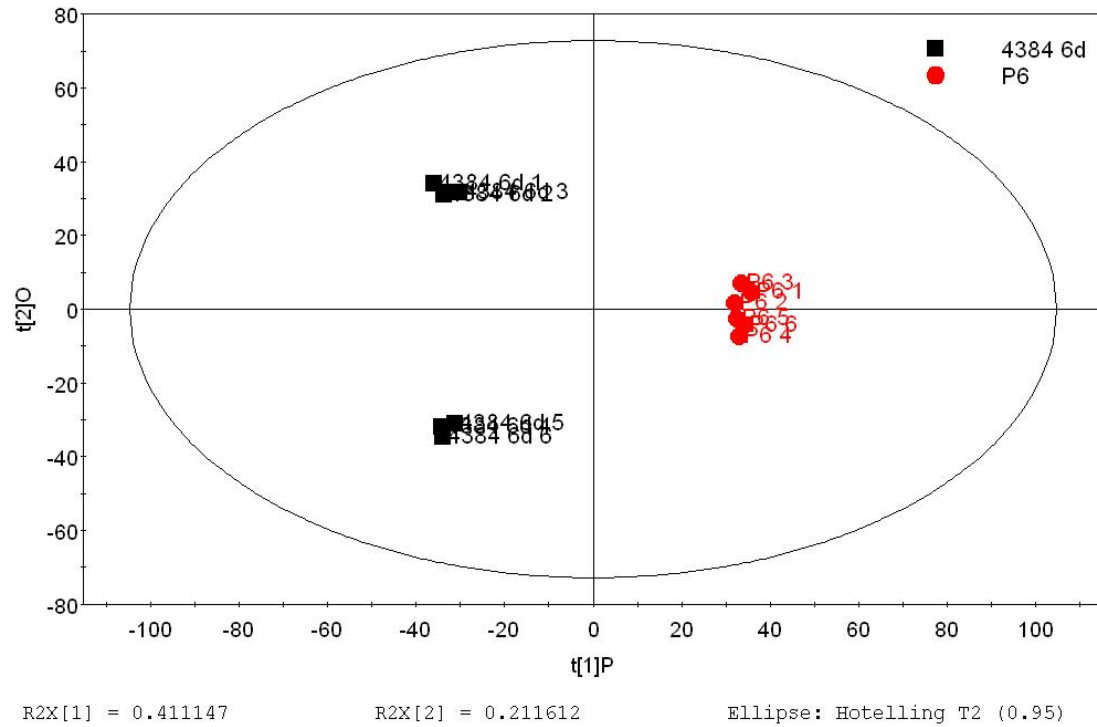
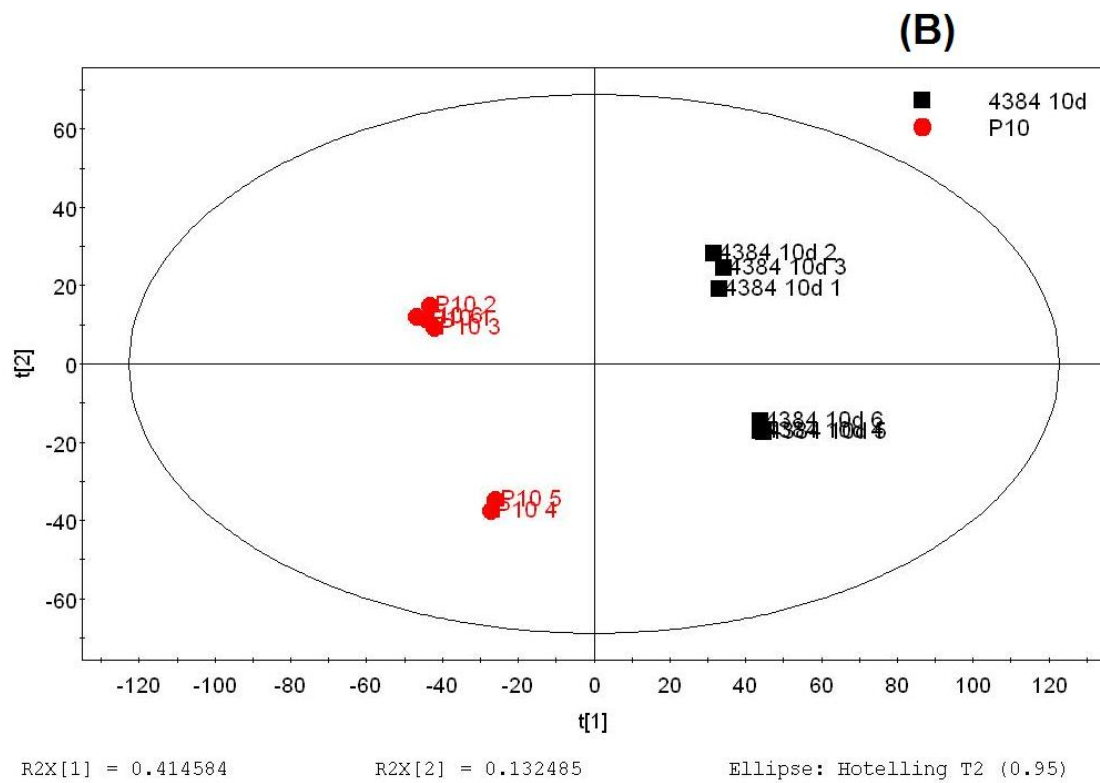
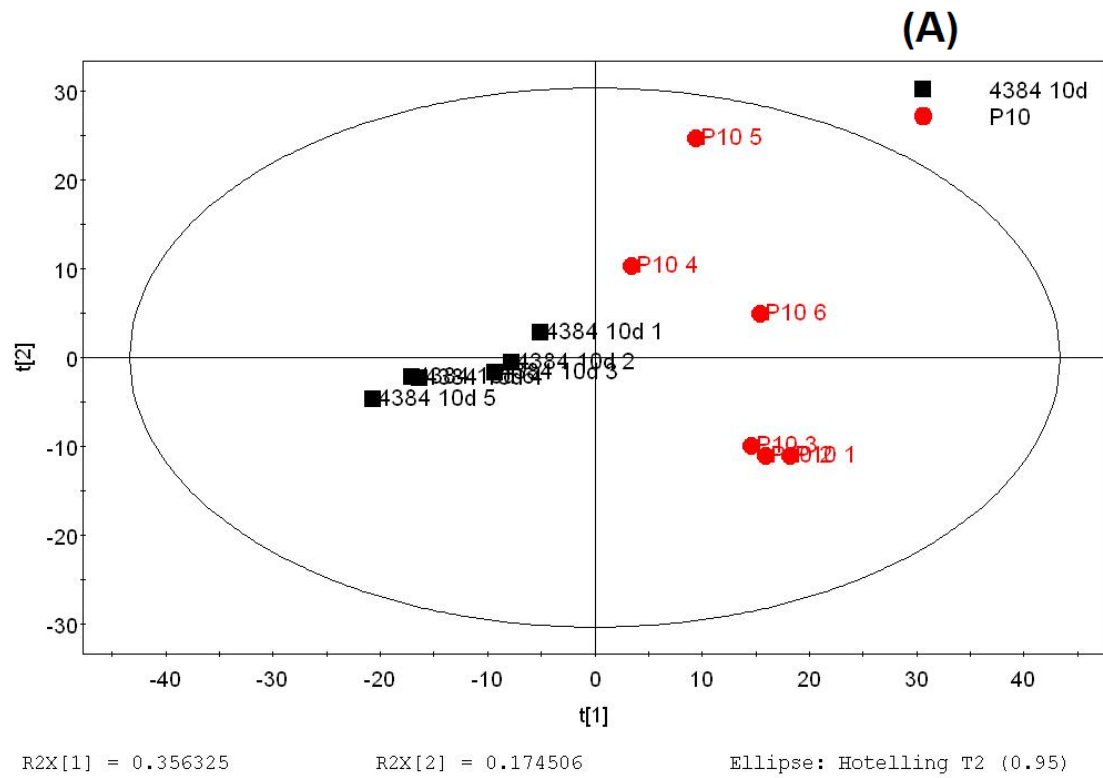
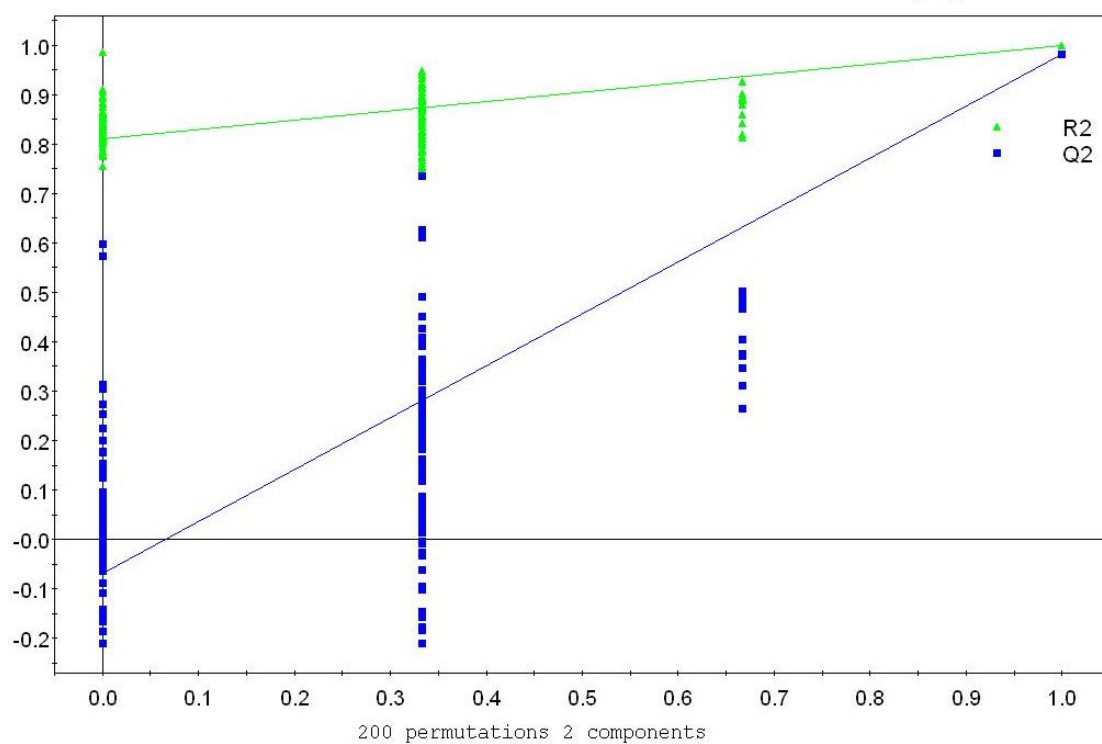


Figure S2



(C)



(D)

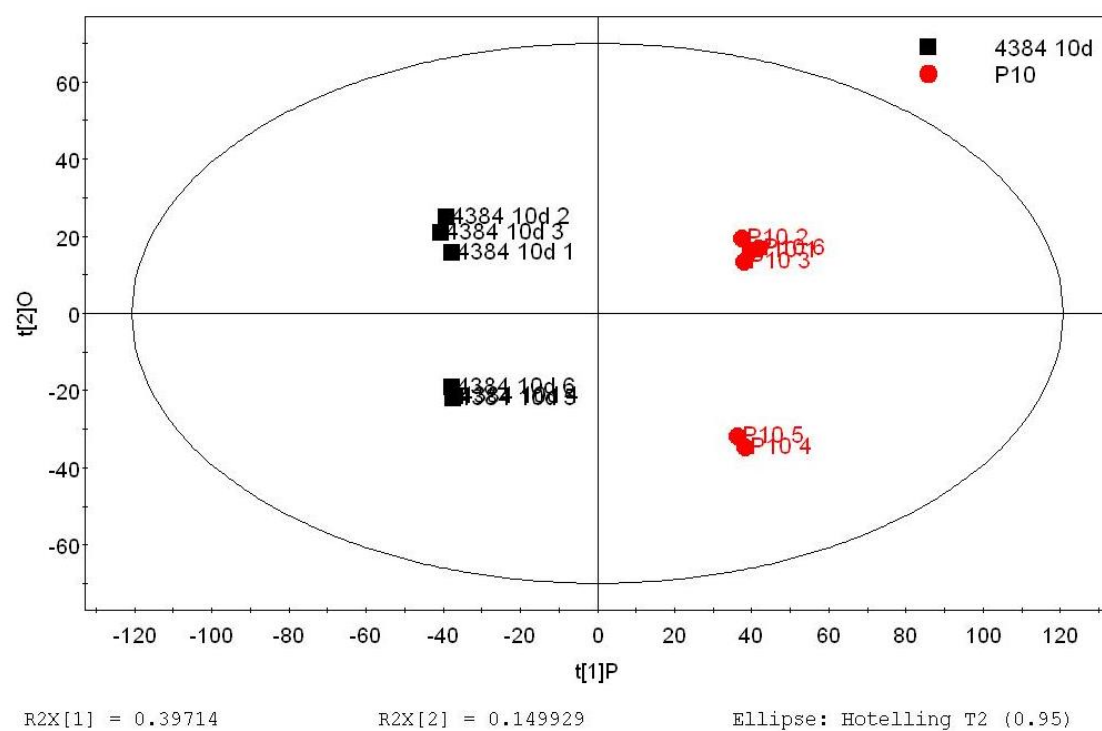
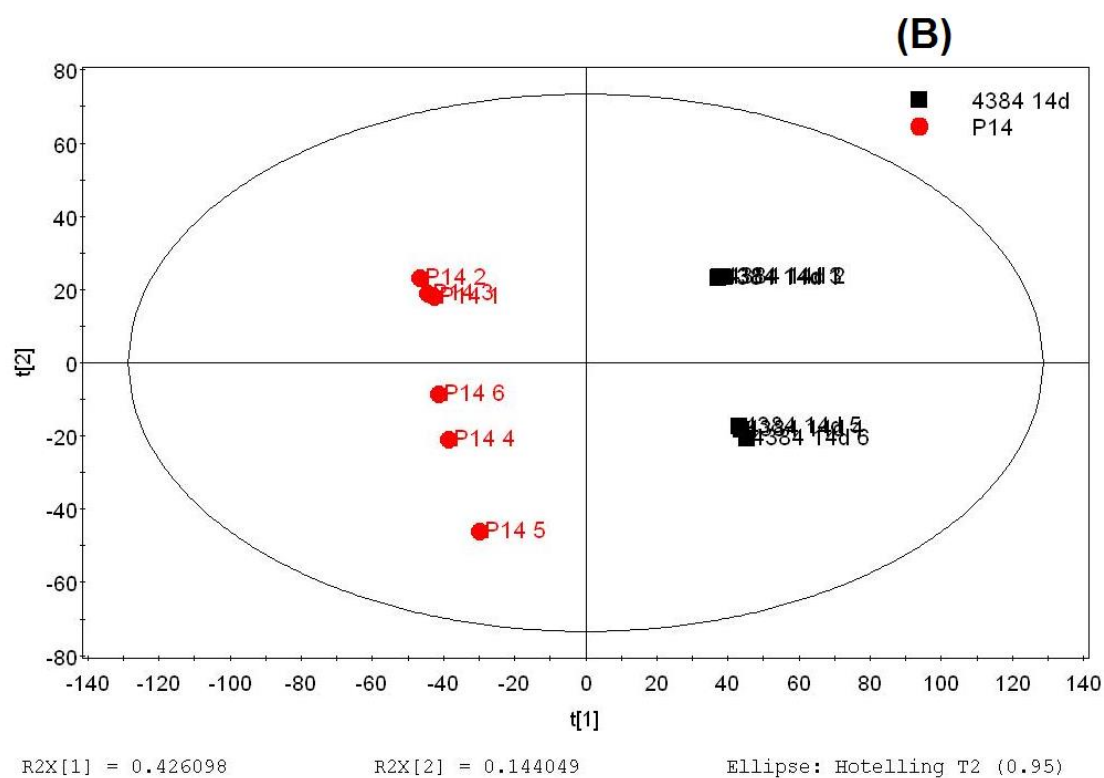
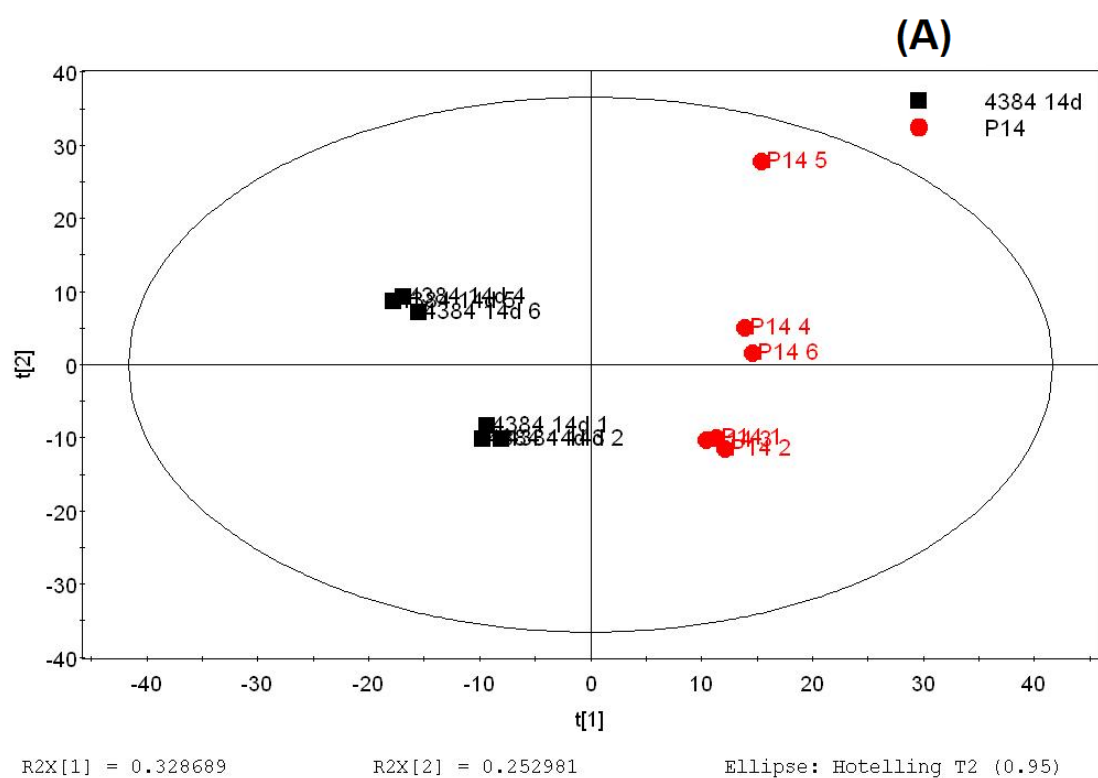


Figure S3



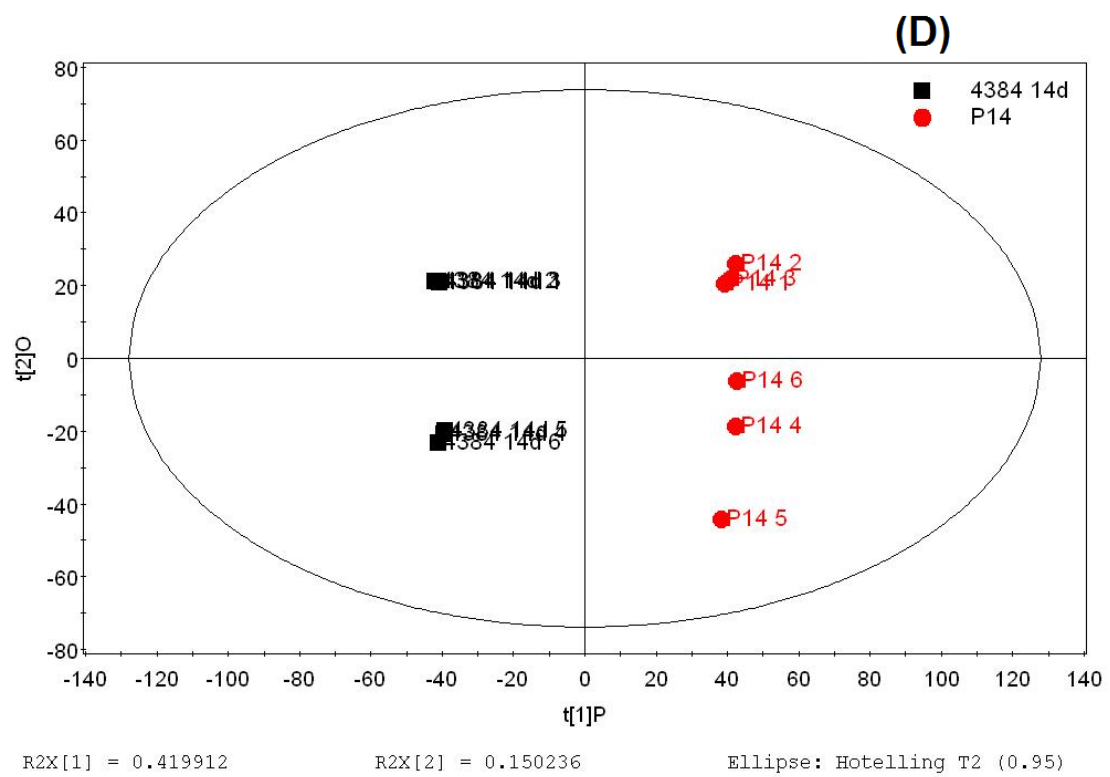
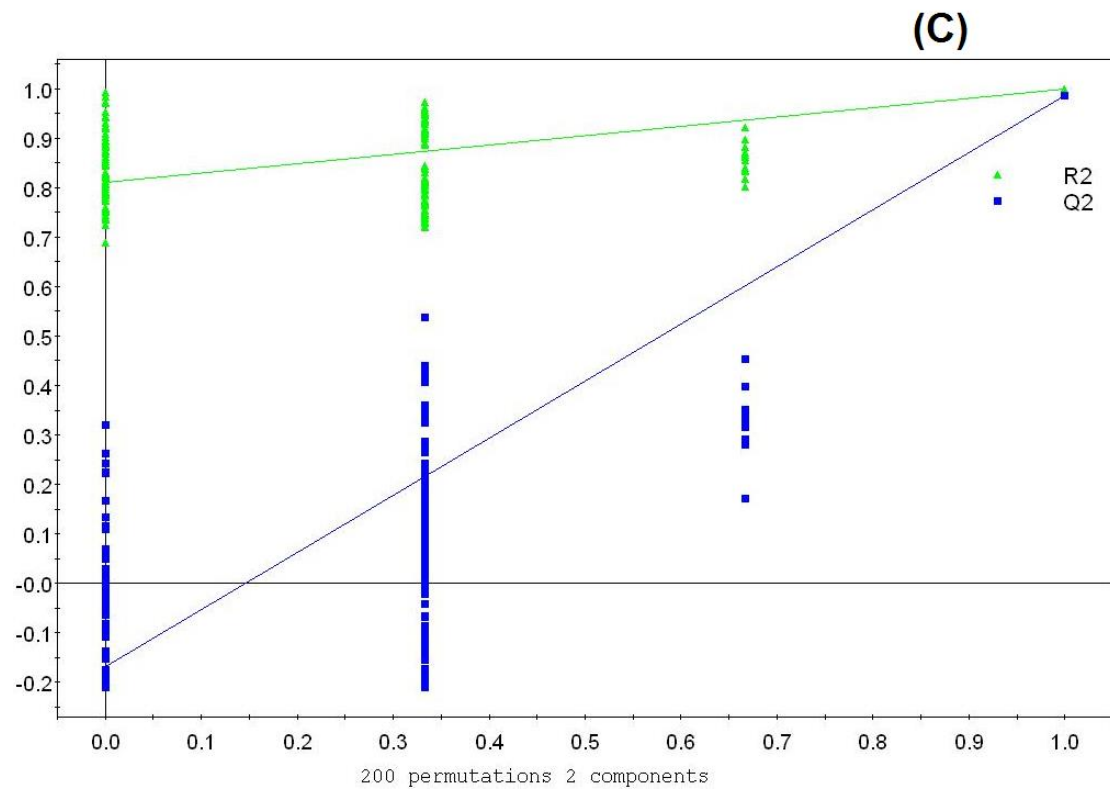
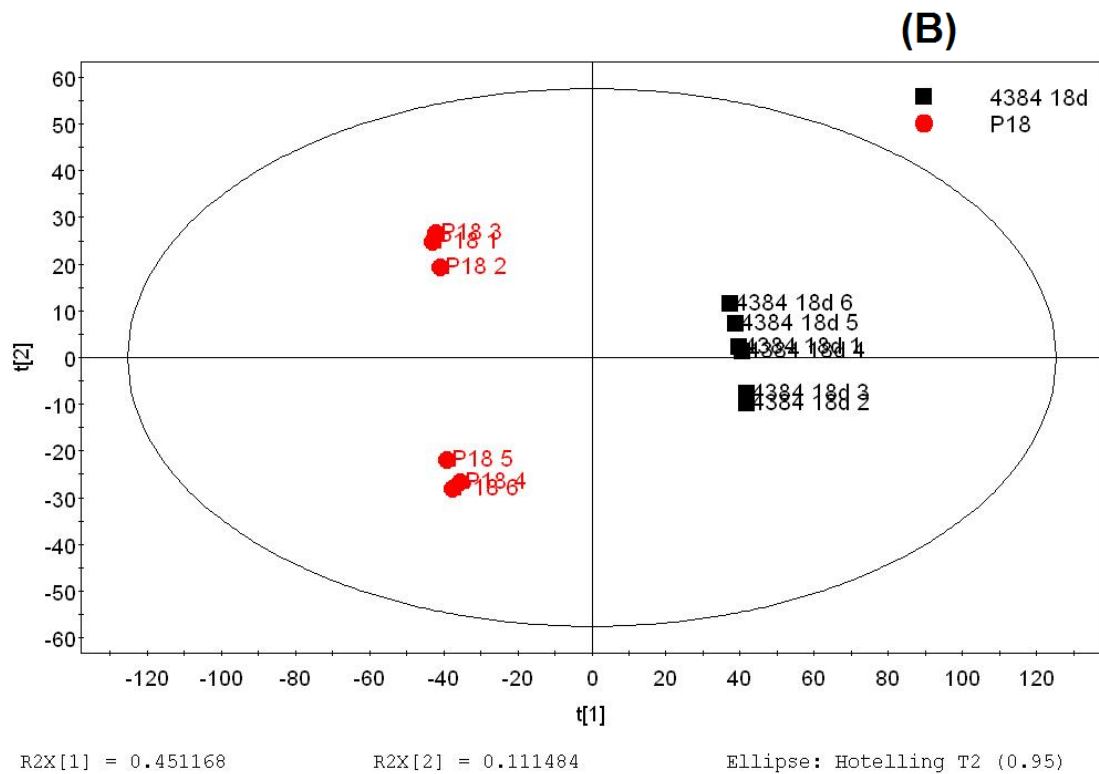
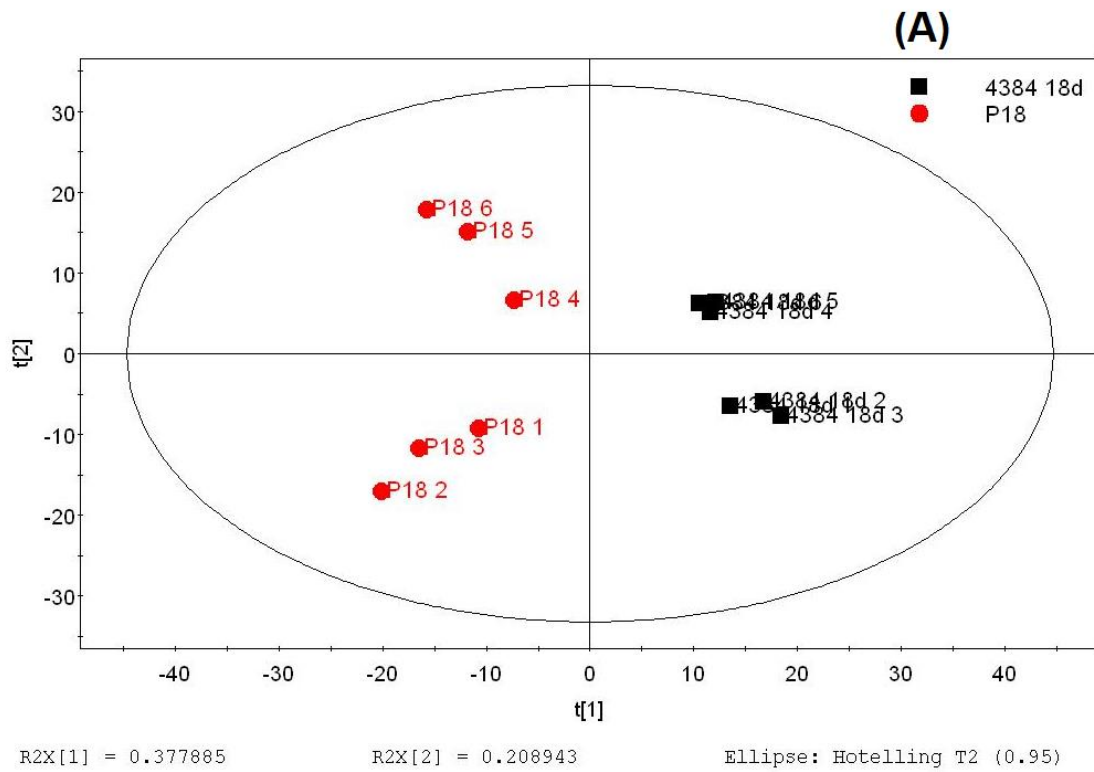
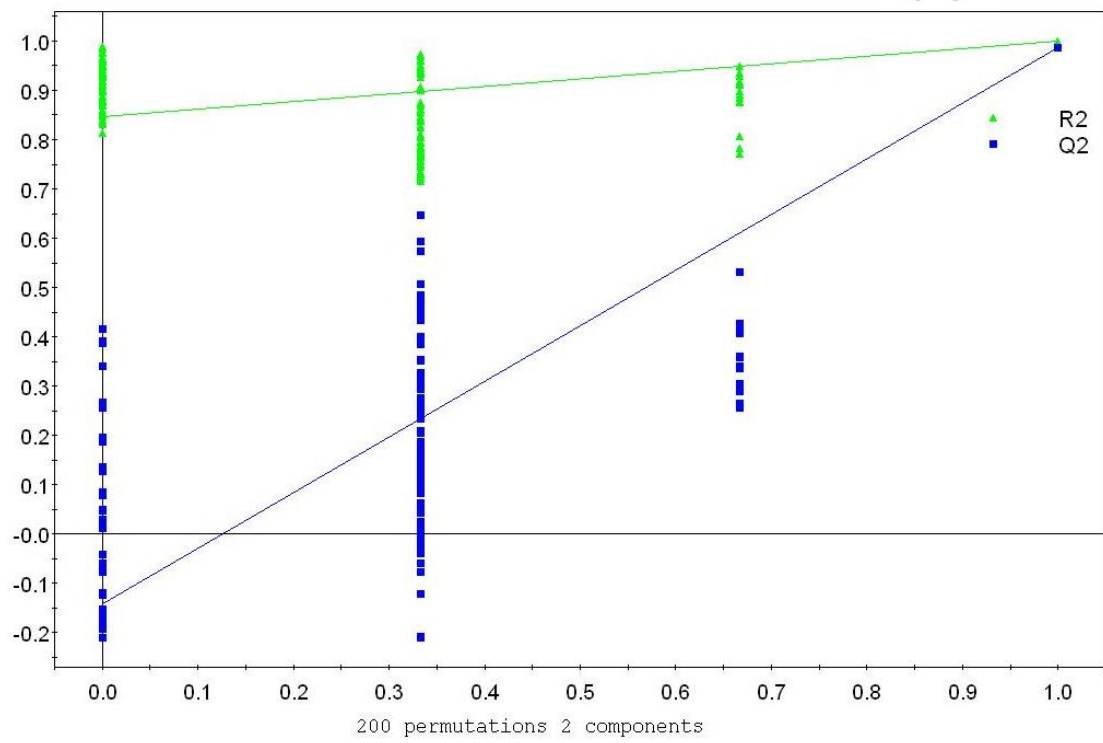


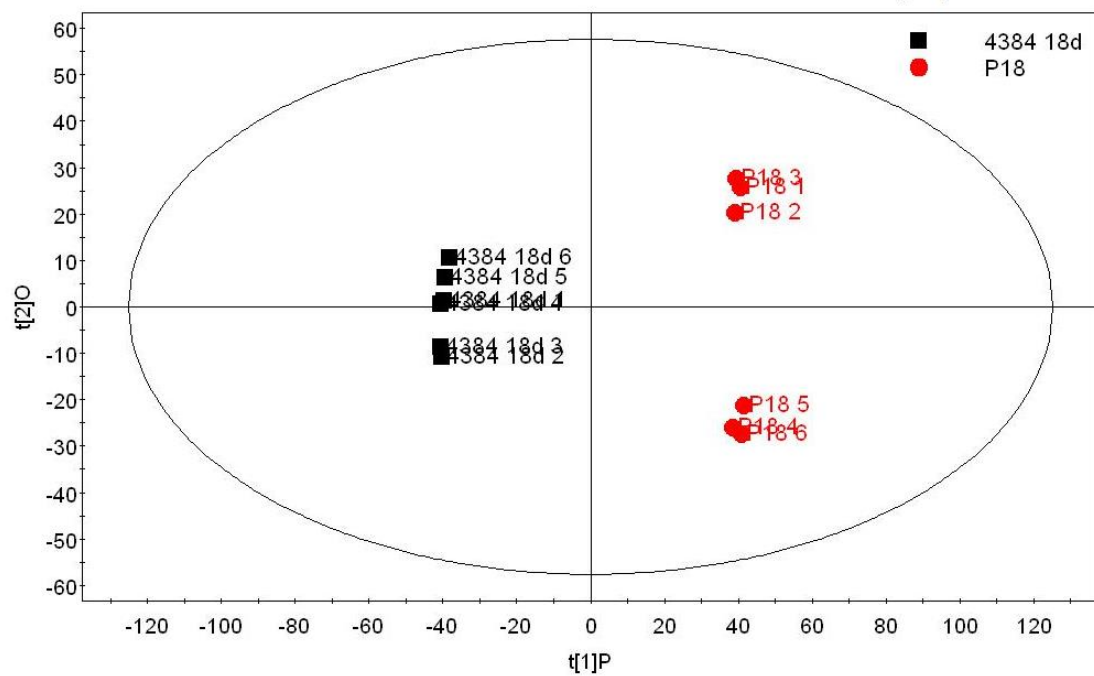
Figure S4



(C)



(D)



$R^2X[1] = 0.449956$

$R^2X[2] = 0.112696$

Ellipse: Hotelling T2 (0.95)