

Figure S1. ¹H 600 MHz metabolomic spectra of adipose tissue extracts from the twelve BN.GK congenic strains and the BN control.

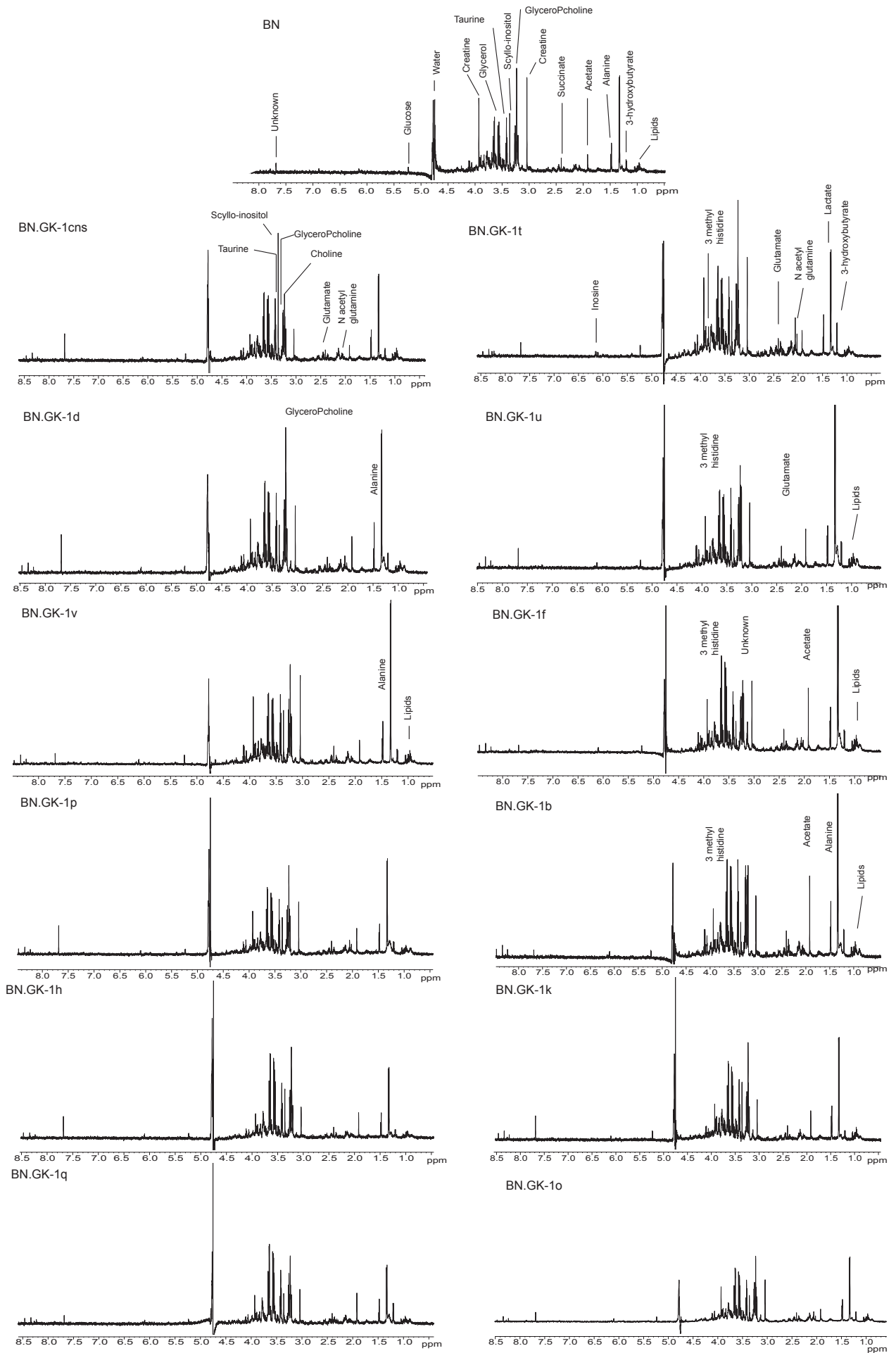


Figure S2. Score plot from O-PLS model of each BN.GK congenic strain against the BN control and corresponding cross-validation with 200 permutations

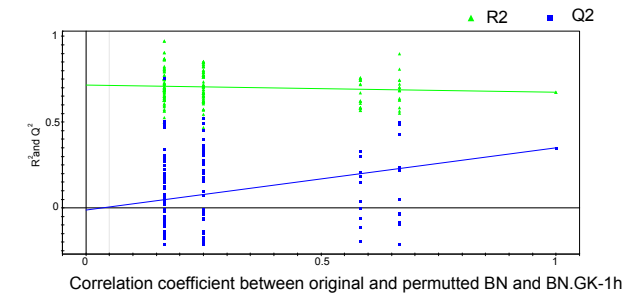
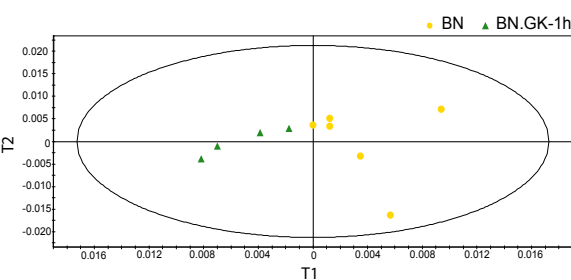
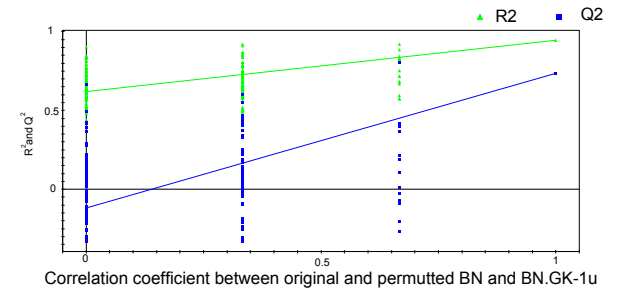
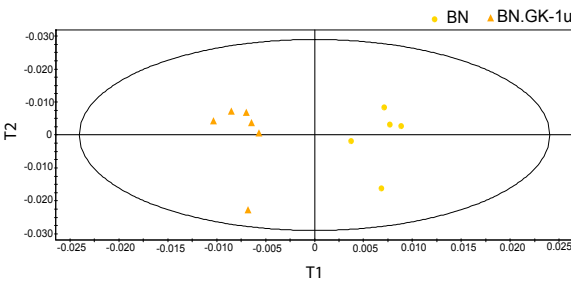
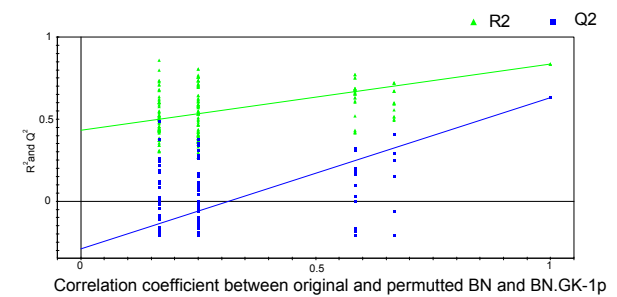
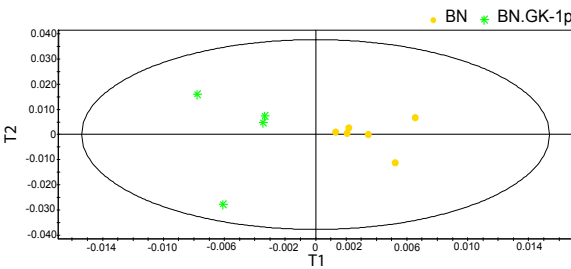
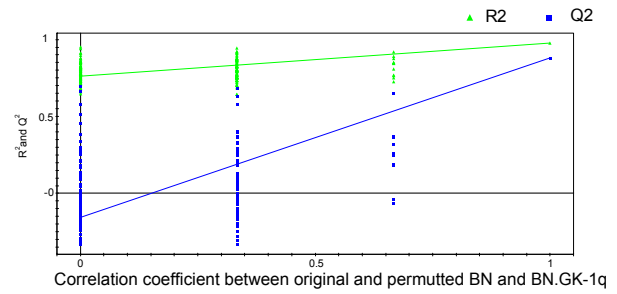
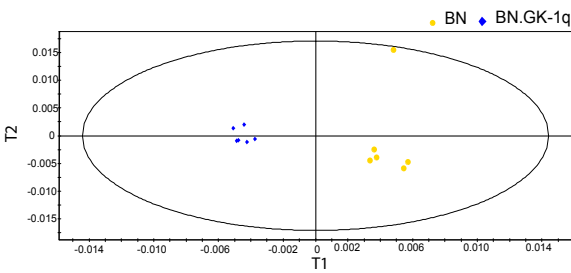
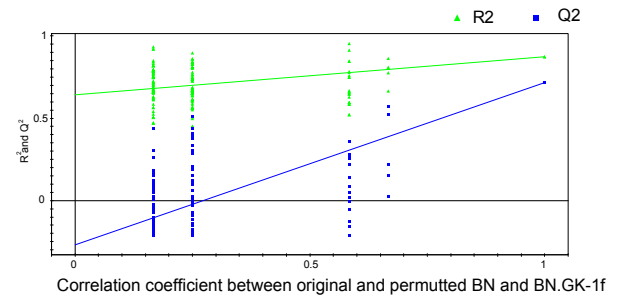
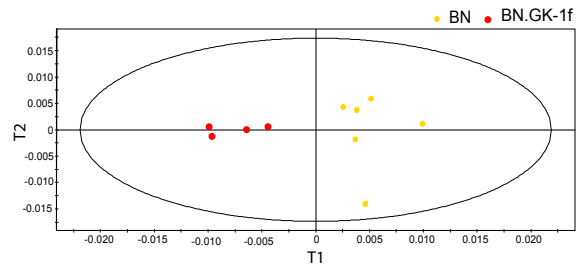
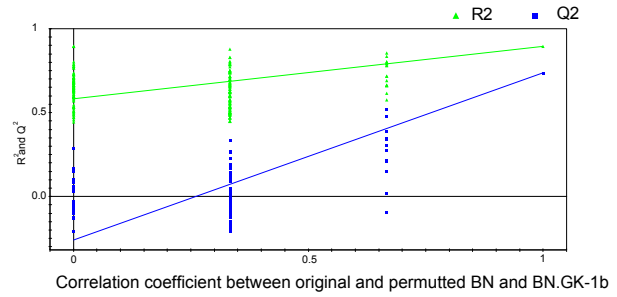
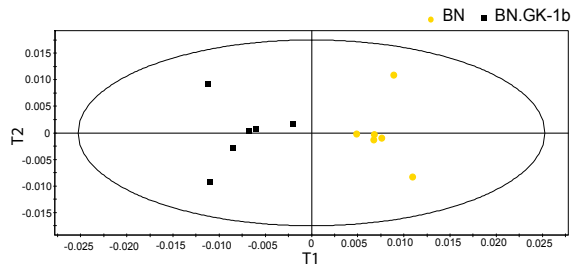
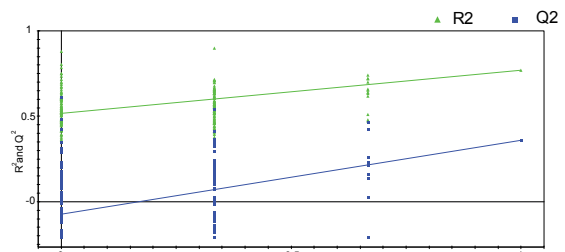
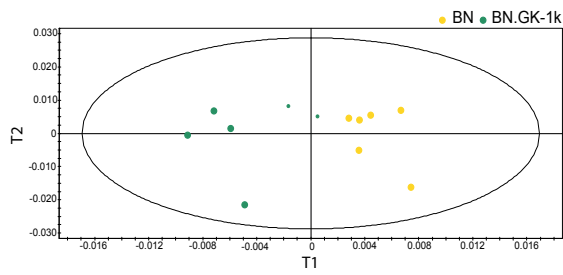
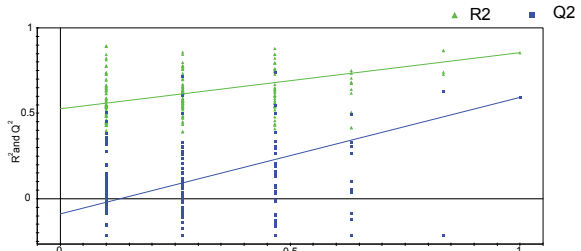
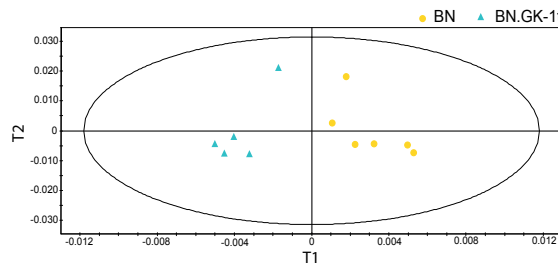


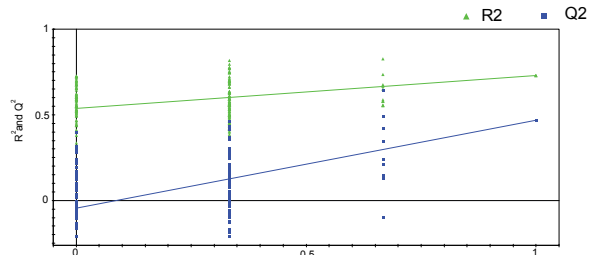
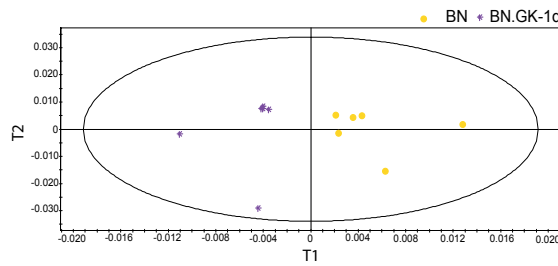
Fig S2 (cntd)



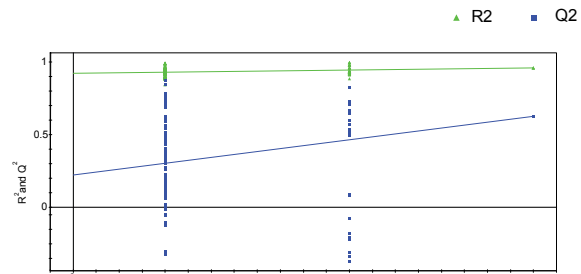
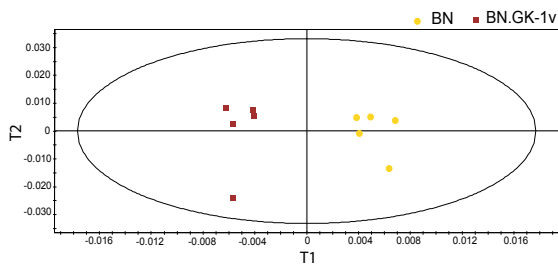
Correlation coefficient between original and permuted BN and BN.GK-1k



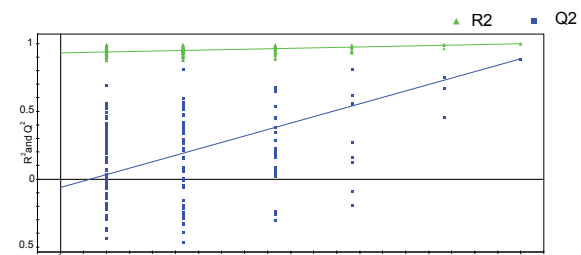
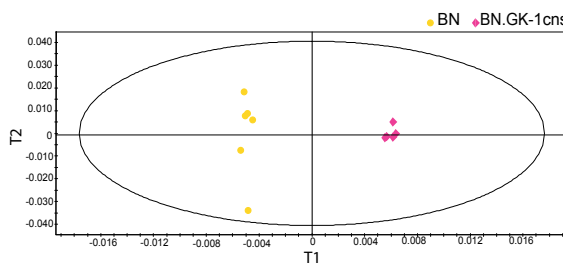
Correlation coefficient between original and permuted BN and BN.GK-1t



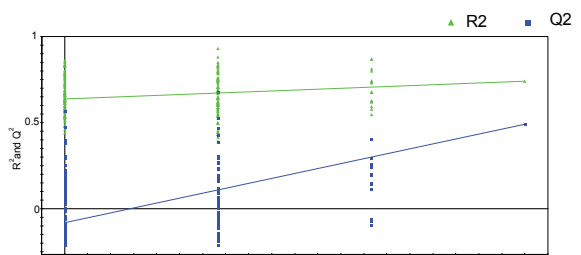
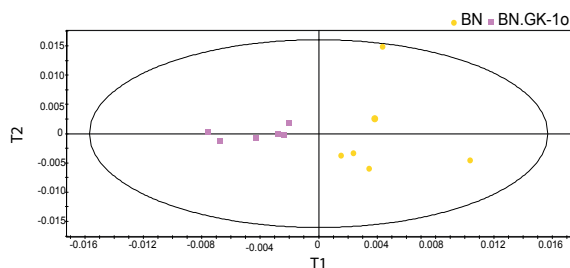
Correlation coefficient between original and permuted BN and BN.GK-1d



Correlation coefficient between original and permuted BN and BN.GK-1v



Correlation coefficient between original and permuted BN and BN.GK-1cns



Correlation coefficient between original and permuted BN and BN.GK-1o

Fig. S3. Loadings plots from O-PLS models performed on adipose tissue extracts from each congenic BN.GK strain against the BN control

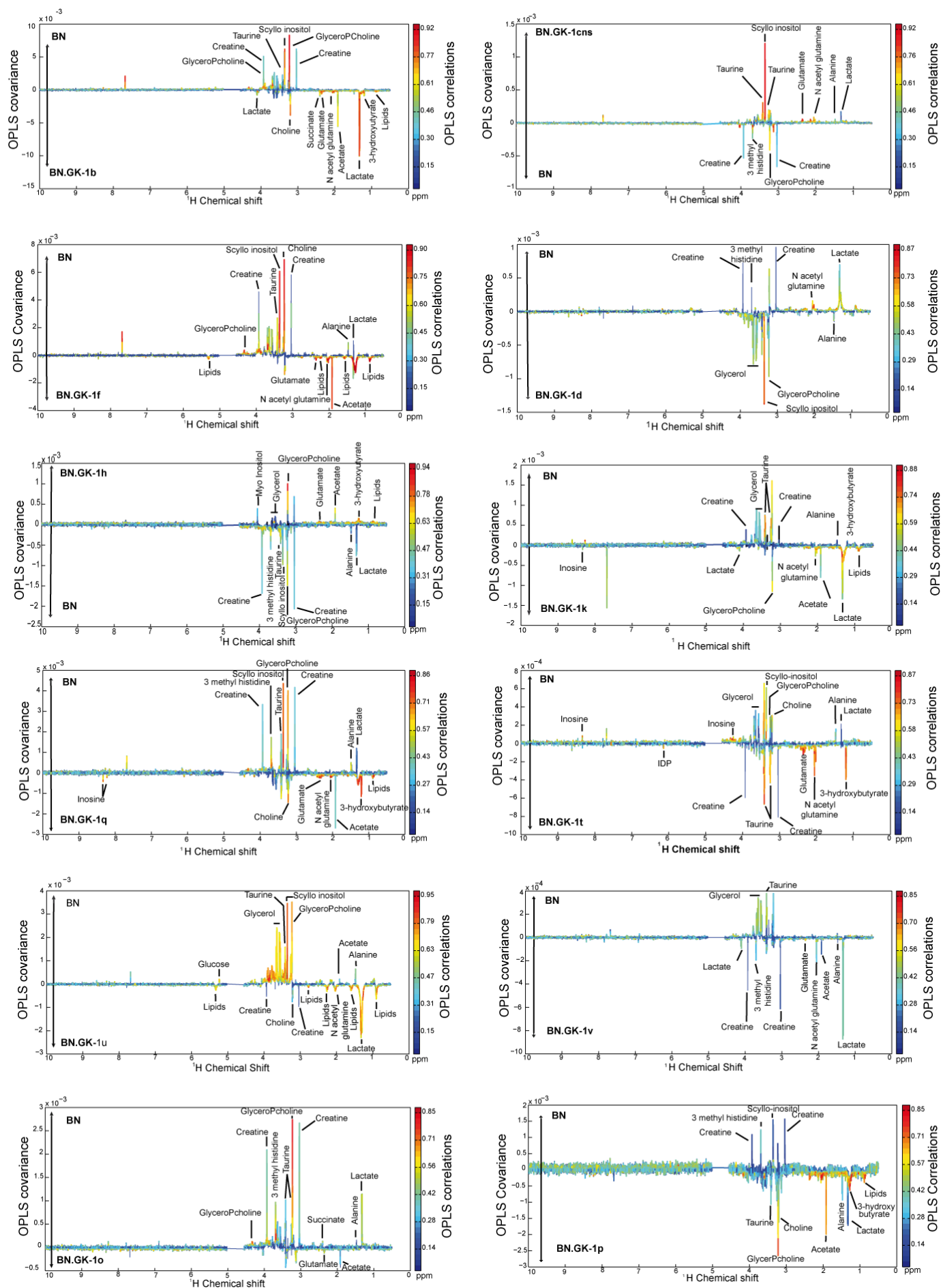


Fig. S4. Score plot from O-PLS model of each region of chromosome 1 against other regions and corresponding cross-validation with 200 permutations.

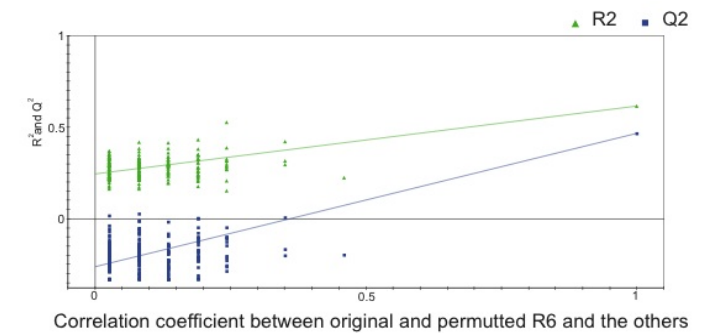
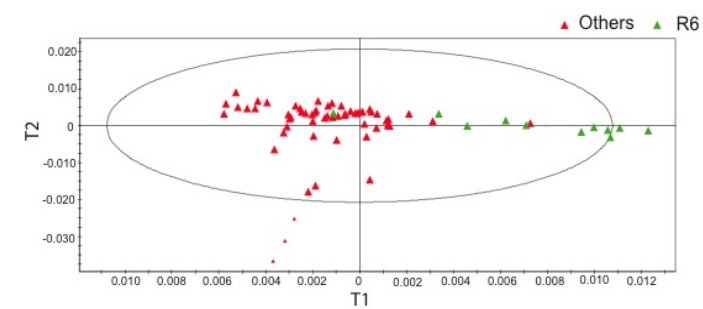
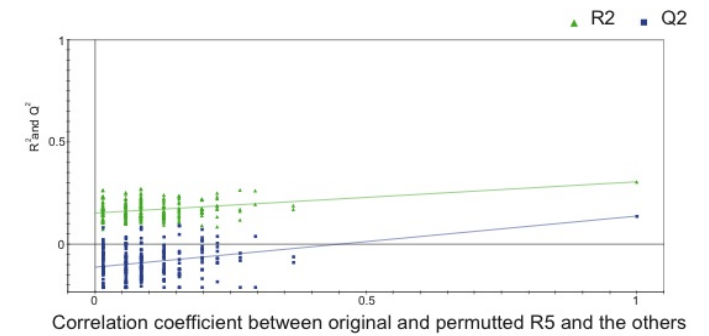
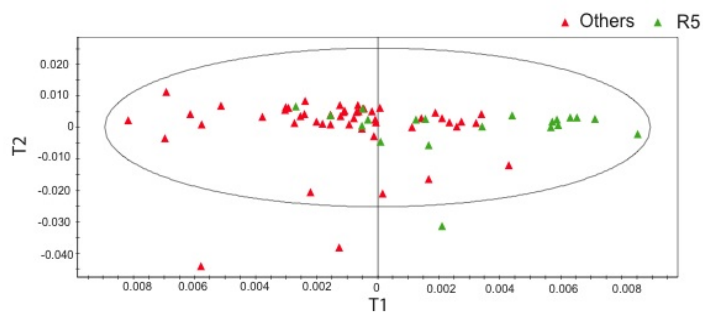
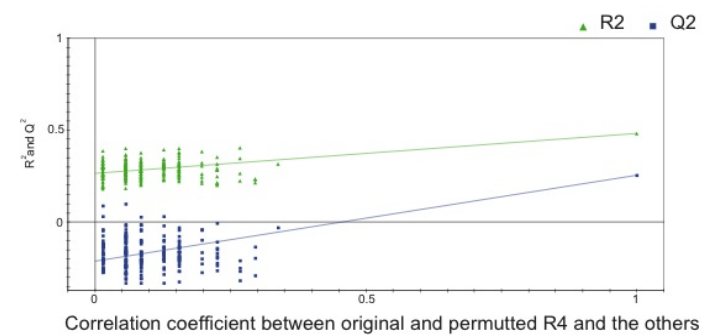
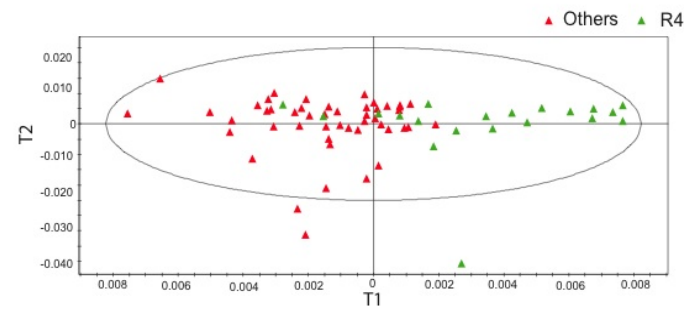
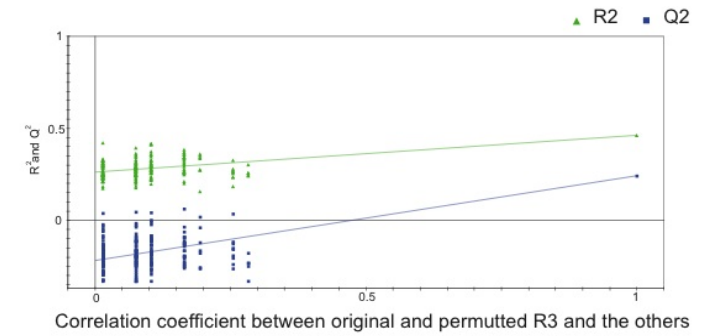
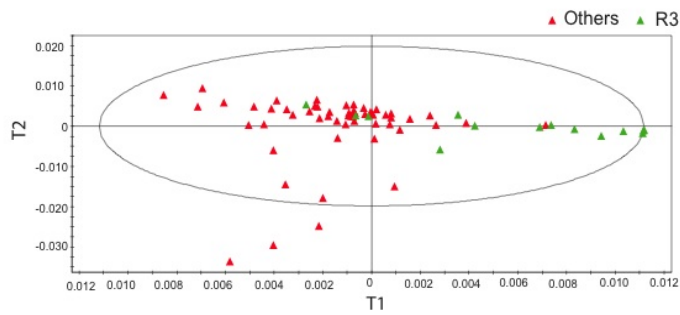
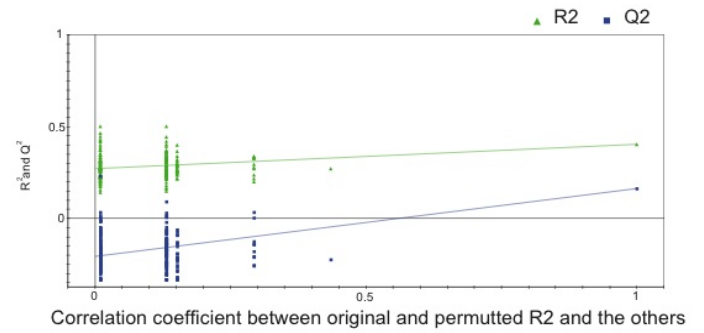
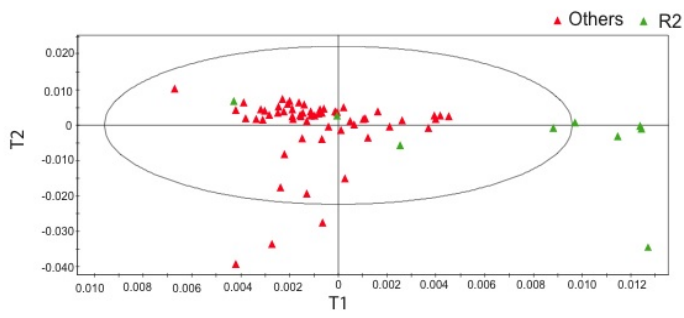


Fig. S4 (Cntd)

