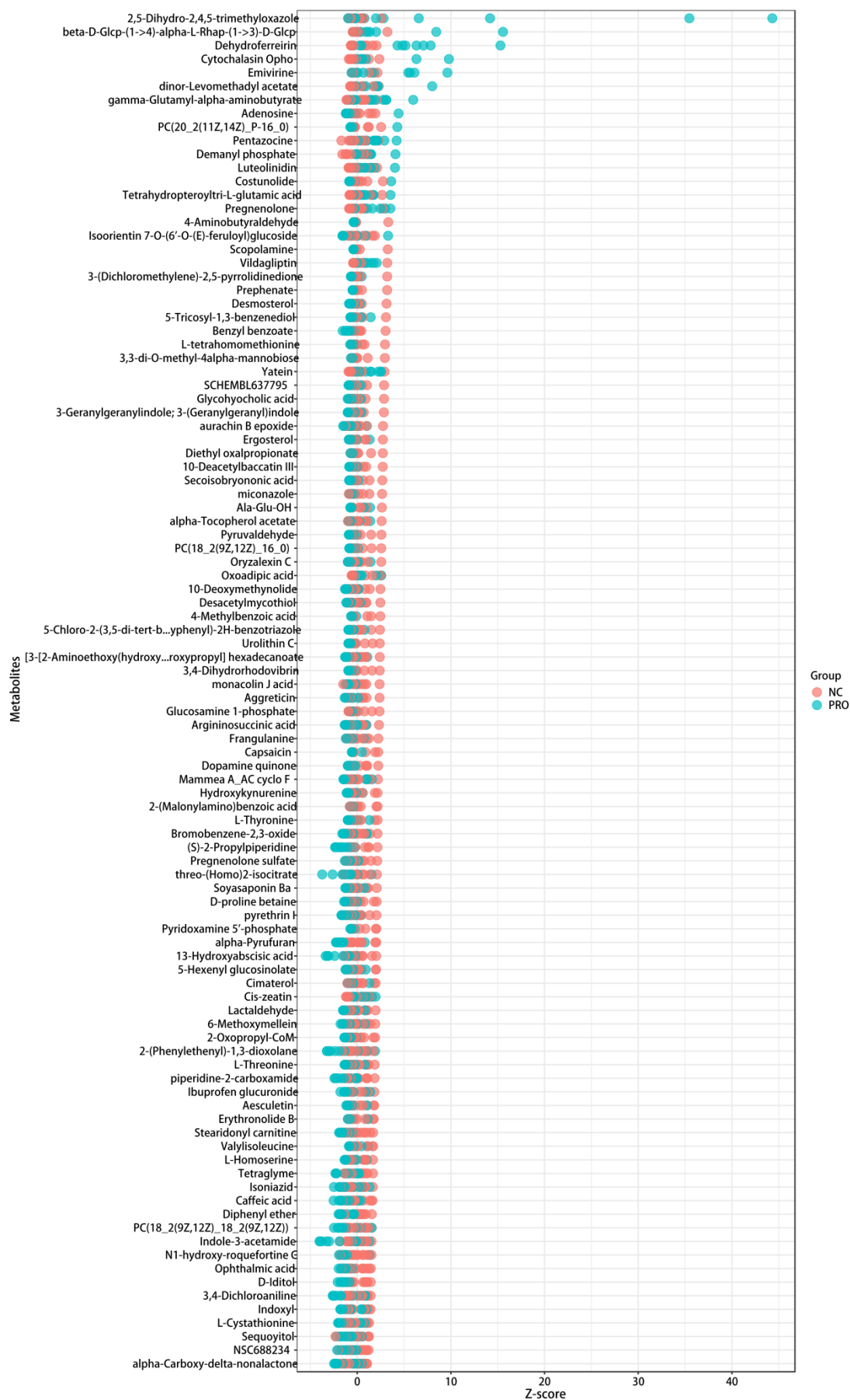
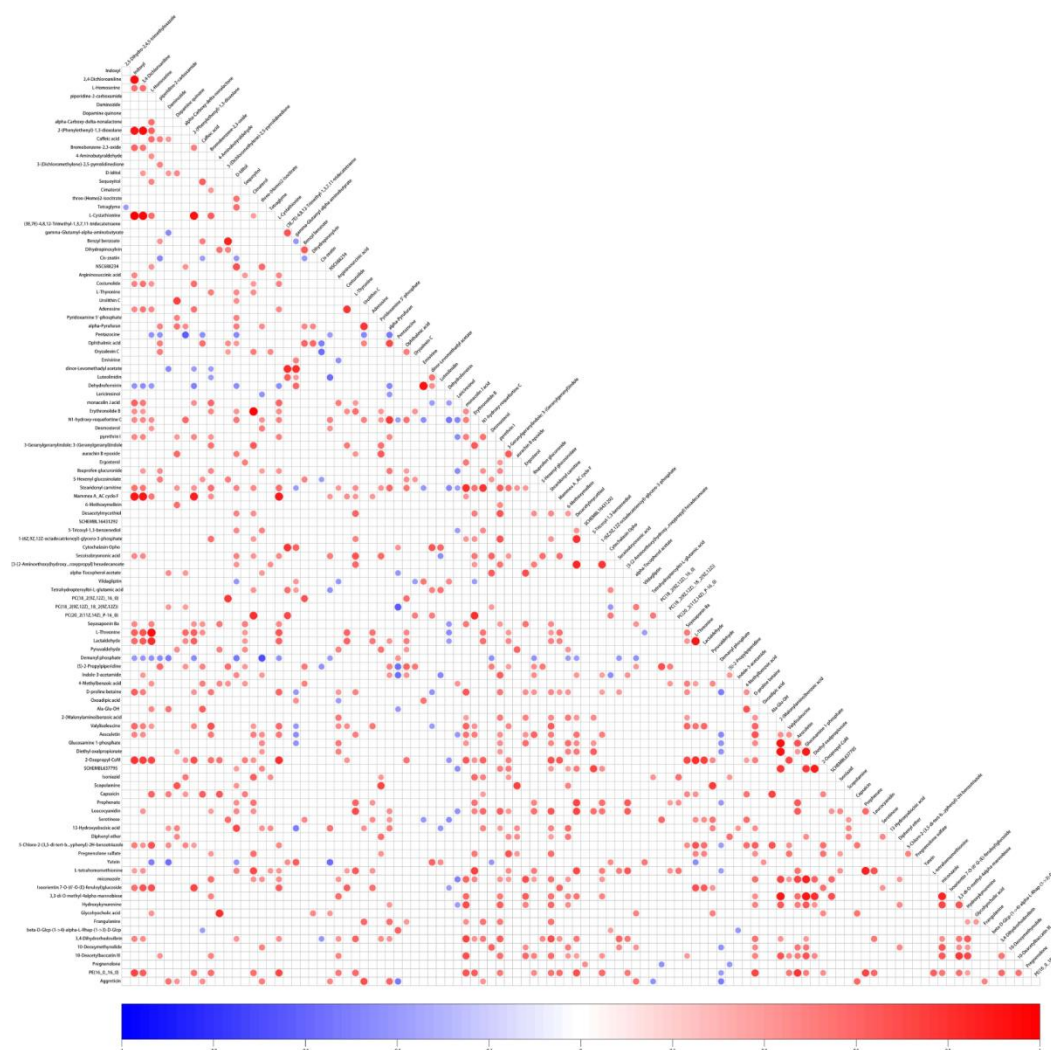




Supplementary Figure 1 The Z-score map showed the relative content of the differentially abundant metabolites between PRO and NC groups. The abscissa is the converted Z-score value of the relative content of metabolites in the sample, the ordinate is the name of the metabolite, and the colors of the points represent different groups. The closer it is to the right, it means that the relative content of the current metabolite in the sample is higher, and the closer it is to the left, it means that the current content of the metabolite is lower.



Supplementary Figure 2 The Pearson correlation coefficient of the two different metabolites between PRO and NC groups. Both ordinate and oblique ordinate represent the names of differential metabolites, color represents correlation, red represents positive correlation, blue represents

negative correlation, the darker the color, the higher the correlation. P value < 0.05 was a significant correlation.