

SUPPORTING INFORMATION

LC/MS-based global metabolomics identification of serum biomarkers differentiating hepatocellular carcinoma from chronic hepatitis B and liver cirrhosis

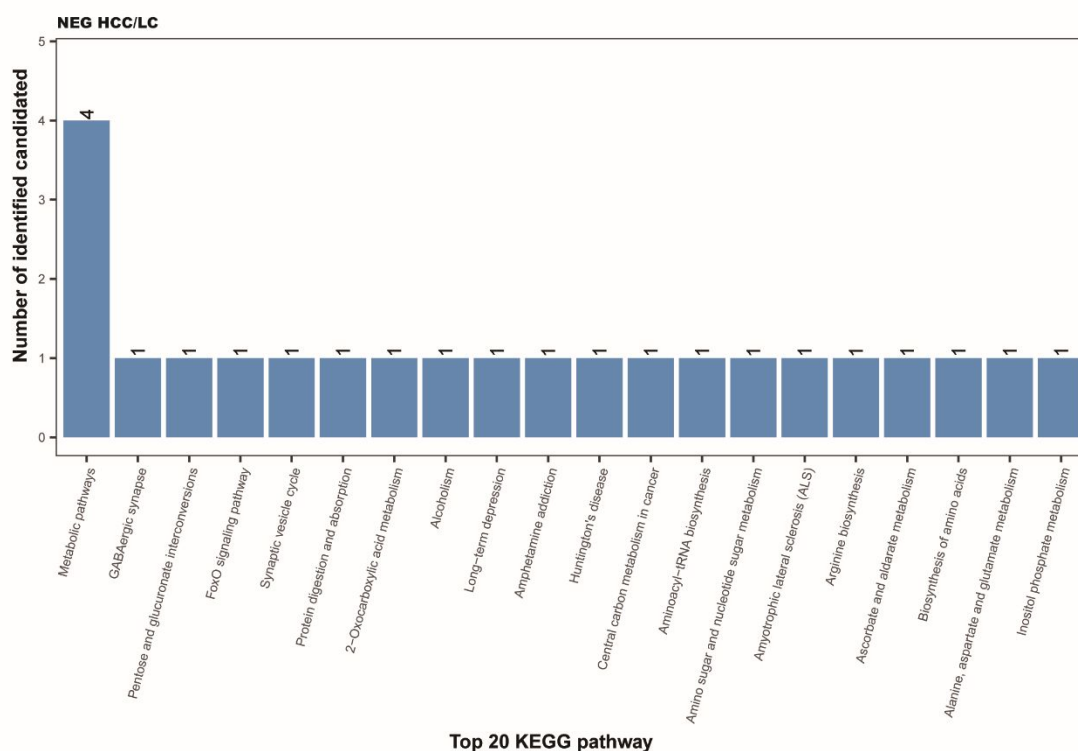
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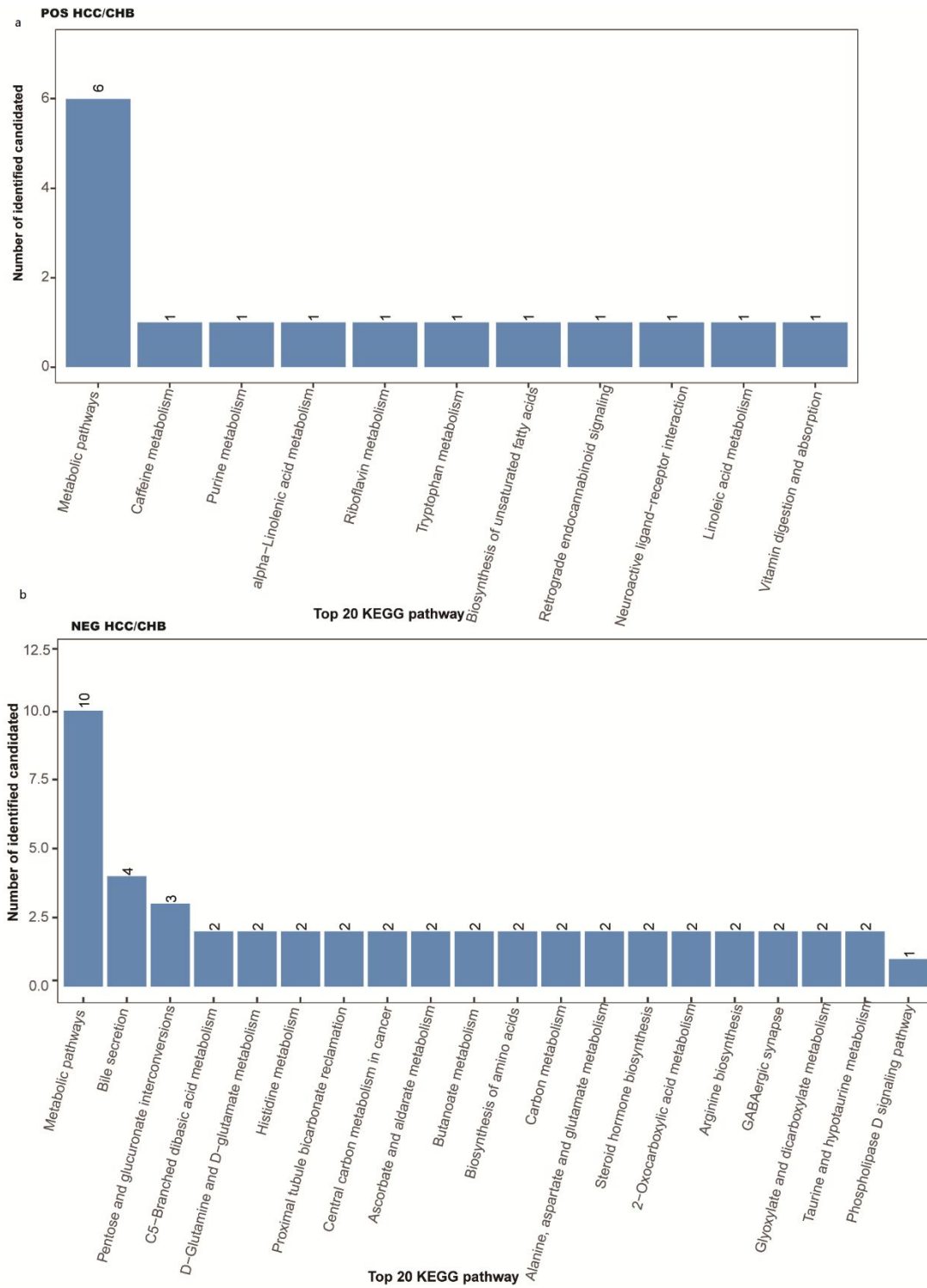
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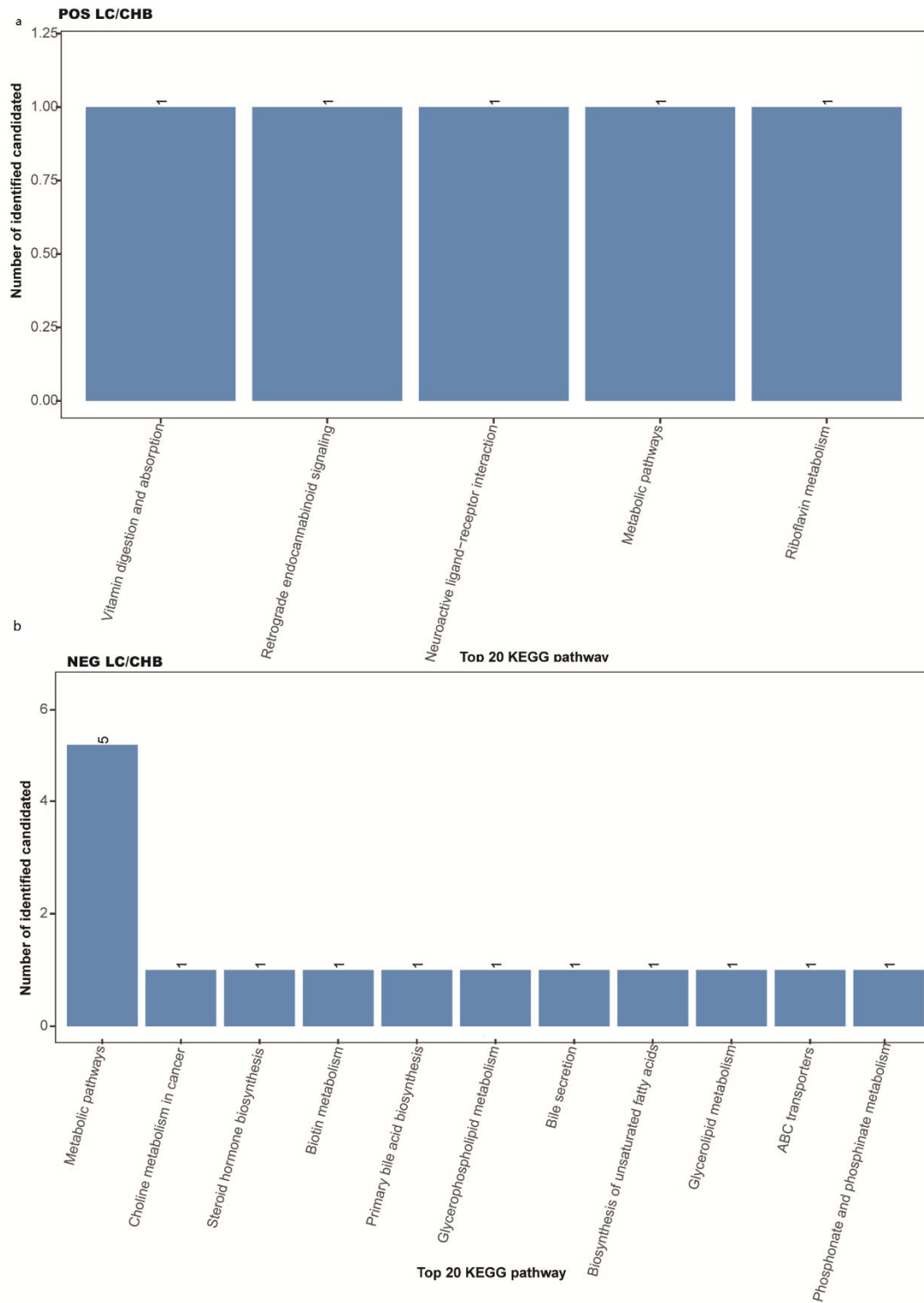
† These authors contributed equally to this work.



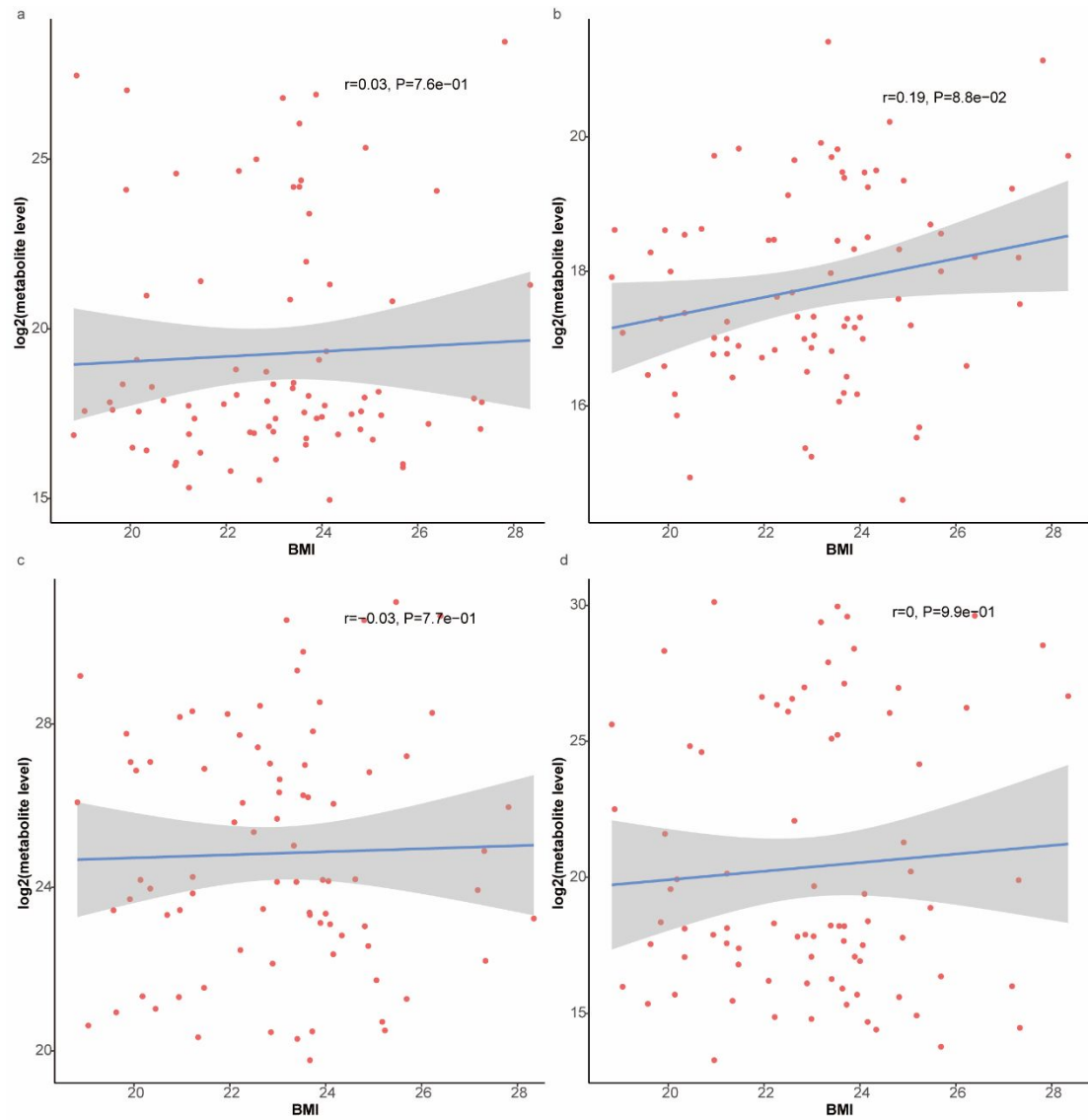
FigureS1. Identified metabolites classified into the top 20 KEGG pathways with HCC vs. LC patients in the NEG model.



FigureS2. Identified metabolites classified into the top 20 KEGG pathways with HCC vs. CHB patients in the POS model(a) and the NEG model(b).



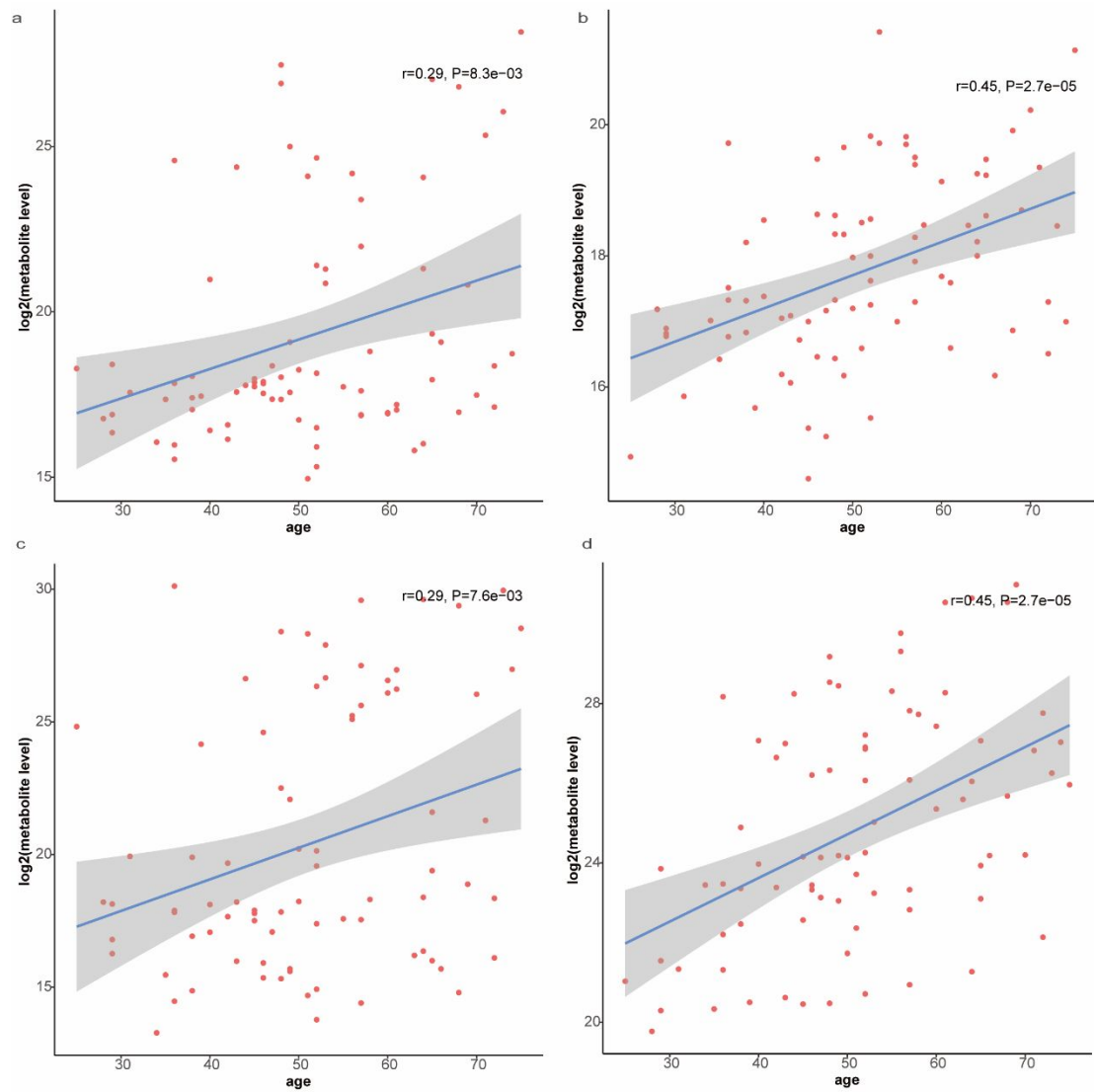
FigureS3. Identified metabolites classified into the top 20 KEGG pathways with LC vs. CHB patients in the POS model(a) and the NEG model(b).



FigureS4. Correlation analysis between the levels of these different metabolites and the BMI levels.1,2-

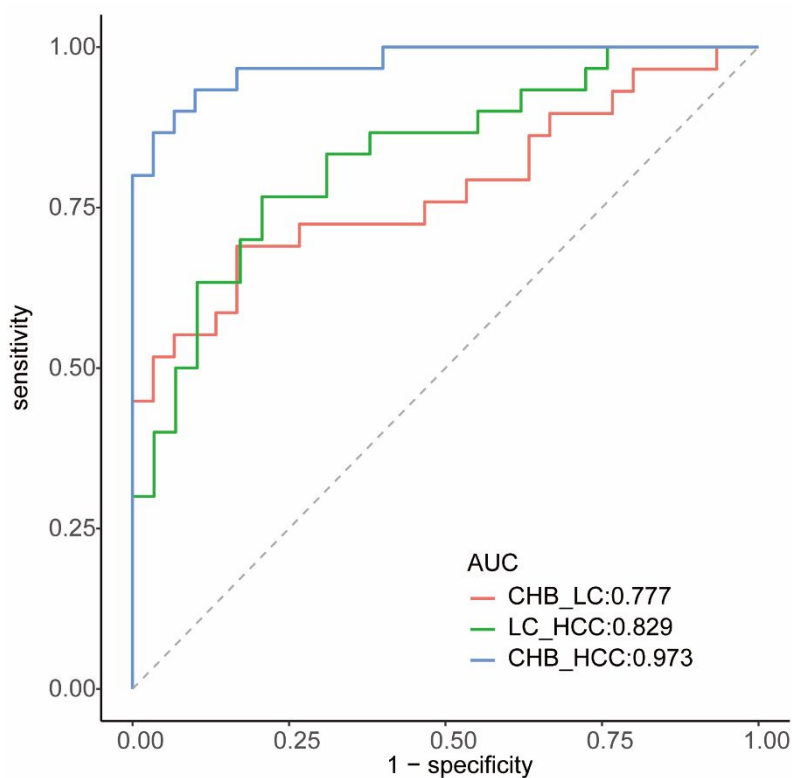
Diacyl-3-beta-D-galactosyl-sn-glycerol(a);5-hydroxy-6E,8Z,11Z,14Z,17Z-eicosapentaenoic acid

(b);taurodeoxy cholic acid (c)and glycyrrhizic acid(d).



FigureS5.Correlation analysis between the levels of these different metabolites and the age.

1,2-Diacyl-3-beta-D-galactosyl-sn-glycerol(a);5-hydroxy-6E,8Z,11Z,14Z,17Z-eicosapentaenoic acid
(b);taurodeoxy cholic acid (c)and glycyrrhizic acid(d).



FigureS6. The four metabolites could offer better AUC for the three way comparisons (HCC vs. LC, LC vs. CHB, HCC vs. CHB) using a regression model.

TableS1. ion intensity information, and retention time of the metabolites.

Because tableS1 size is too big to stick on this table, it can only be uploaded as an attachment. Please see the attachment

TableS2. The different metabolites between three groups, HCC vs. LC, HCC vs. CHB, and LC.

Because tableS2 size is too big to stick on this table, it can only be uploaded as an attachment. Please see the attachment