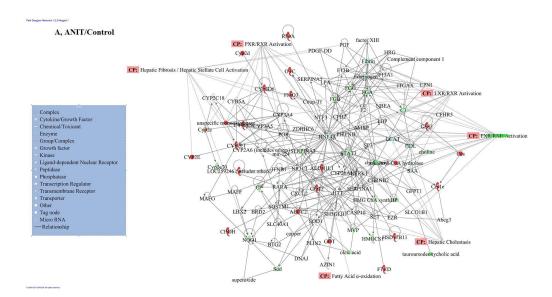
SUPPLEMENTARY MATERIAL

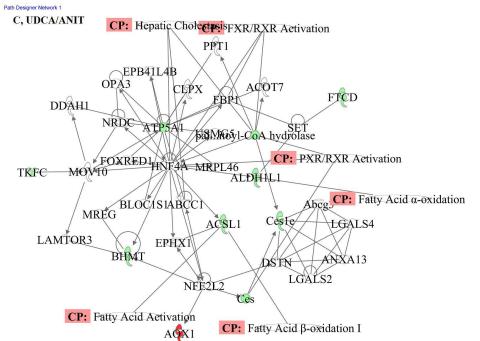
Exploration of Hepatoprotective Effect of Gentiopicroside on Alpha-Naphthylisothiocyanate-Induced Cholestatic Liver Injury in Rats by Comprehensive Proteomic and Metabolomic Signatures

Han Han^{a,b,c} Lili Xu^b Kai Xiong^c Tong Zhang^{a,c} Zhengtao Wang^b

^aExperiment Center for Teaching and Learning, Shanghai University of Traditional Chinese Medicine, Shanghai, ^bInstitute of Chinese Materia Medica, Shanghai University of Traditional Chinese Medicine, Shanghai, ^cSchool of Pharmacy, Shanghai University of Traditional Chinese Medicine, Shanghai, China

Supplementary Figure 1. Integrated network analysis of the differentially expressed metabolites and proteins by IPA. (A) ANIT/control; (B) GPS/ANIT; and (C) UDCA/ANIT. Metabolites and proteins are represented as nodes, and the biological relationship between two nodes is represented as a line. Solid lines between molecules show a direct physical relationship between molecules, while dotted lines show indirect functional relation. Red symbols represent up-regulated; green symbols represent down-regulated; while the CP symbols represent canonical pathways that are related to the identified proteins and metabolites.





B, GPS/ANT

CP: PXR/XX Activation

CP: Hepatic Fibrosis / Hepatic Stellate Cell Activation

OTC

FIBB

CCP2CIB

CYP2CIB

CYP2CIB

CYP2CIB

CYP2CIB

CYP2CIB

CYP2CIB

CYP2A4

NTE

CPS

Bile Acid Biosynthesis. Neutral Pathway

CYP2A4

NTE

CPS

DOB

CYP2A6 (includes others) HTSB

AZIN1

superoxide

CP: Fatty Acid α-oxidation

FTCD