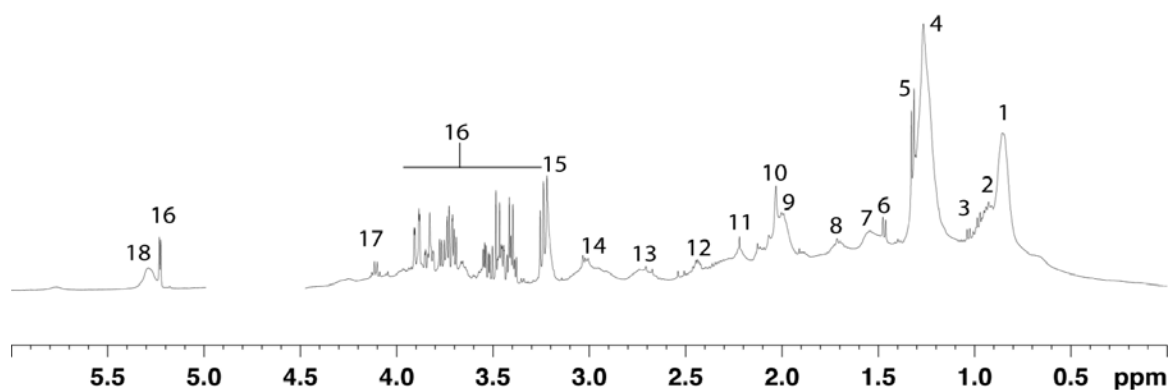


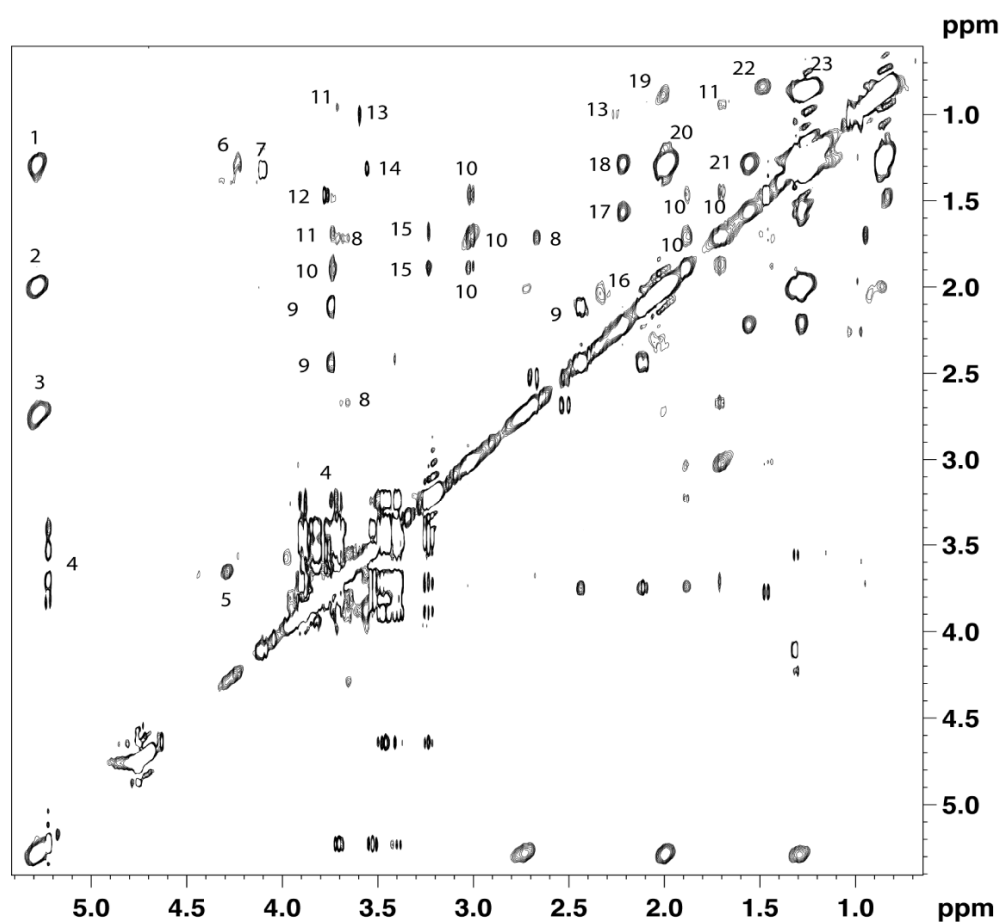
Supplementary Figure S1



Typical ^1H NMR (500 MHz) spectra of the region between 0 and 6 ppm from cirrhotic patient. Region between 4.5 and 5.0 ppm corresponding to the water and urea was suppressed.

Peak assignment: 1: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3$); 2: Isoleucine; 3: Valine; 4: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CH}_2-$); 5: Lactate; 6: Alanine; 7: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CO}-$); 8: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CH}=\text{}$); 9: Fatty acids ($=\text{CH}-\text{CH}_2-\text{CH}_2-$); 10: Acetyl signals from $\alpha 1$ -acid glycoprotein; 11: Fatty acids ($-\text{CH}_2-\text{CO}-$); 12: Glutamine; 13: Fatty acids ($=\text{CH}-\text{CH}_2-\text{CH}=\text{}$); 14: Albumin lysyl; 15: Choline; 16: Glucose; 17: Lactate; 18: Fatty acids ($-\text{CH}=\text{CH}-$)

Supplementary Figure S2



^1H - ^1H Total Correlation Spectroscopy 2D NMR spectra of cirrhotic patient sera of the region between 0 and 6 ppm. TOCSY experiments were acquired with a DIPSI2 sequence. Spectral width was set to 5000 Hz in both dimensions.

Peak assignment: 1: Fatty acids ($-\text{CH}=\text{CH}-$; $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$); 2: Fatty acids ($-\text{CH}=\text{CH}-$; $=\text{CH}-\text{CH}_2-\text{CH}_2-$); 3: Fatty acids ($-\text{CH}=\text{CH}-$; $=\text{CH}-\text{CH}_2-\text{CH}=\text{CH}-$); 4: Glucose; 5: Choline; 6: Unknown; 7: Lactate; 8: Unknown; 9: Glutamine; 10: Lysine; 11: Leucine; 12: Alanine; 13: Valine; 14: Threonine; 15: Arginine; 16: Glutamate; 17: Fatty acids ($-\text{CH}_2-\text{CO}-$; $-\text{CH}_2-\text{CH}_2-\text{CO}-$); 18: Fatty acids ($-\text{CH}_2-\text{CO}-$; $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$); 19: Isoleucine; 20: Fatty acids ($=\text{CH}-\text{CH}_2-\text{CH}_2-$; $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$); 21: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CO}-$; $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$); 22: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CH}_3$; $-\text{CH}_2-\text{CH}_3$); 23: Fatty acids ($-\text{CH}_2-\text{CH}_2-\text{CH}_2-$; $-\text{CH}_2-\text{CH}_3$)