Table S1 Identified metabolites from $^{1}$H HR-MAS spectra of spleen from the ITP patients and the normal

| Metabolites | Abbr. | Chemical shift* |
|---|---|---|
| 3-Hydroxybuyarate | 3-HB | 1.2d, 2.3m, 2.41m, 4.16m |
| Acctate | Ace | 1.92s |
| Adenine | Ade | 8.18s, 8.21s |
| Alanine | Ala | 1.48d |
| Ascorbate | Asc | 4.52d |
| Asparagine | Asn | 2.86dd,2.95dd, 3.95dd |
| Aspartate | Asp | 2.68dd, 2.82dd, 3.98dd |
| Choline | Ch | 3.2s |
| Creatine | Cr | 3.04s, 3.93s |
| Ethanol | Eth | 1.19t |
| Ethanolamine | EA | 3.13t, 3.83t |
| Formate | For | 8.46s |
| Fumarate | Fum | 6.52s |
| Glutamate | Glu | 2.07m, 2.12m, 2.35m |
| Glutamine | Gln | 2.14m, 2.45m |
| Glycerol | G | 3.58m, 3.66m, 3.79m |
| Glycerophosphocholine | GPC | 3.23s, 3.67m |
| Glycine | Gly | 3.56m |
| Glycogen | Glg | 5.42m |
| Histidine | His | 7.1s, 7.89s |
| Inosine | Ino | 6.1s, 8.18s, 8.38s |
| Isoleucine | Ile | 0.94t, 1.01d |
| Lactate | Lac | 1.33d, 4.11q |
| LDL-1 | L1 | 0.89br |
| LDL-2 | L2 | 1.29br |
| Leucine | Leu | 0.96t, 1.7m |
| Lipid | Lipid | 2.26br, 5.32br |
| Lysine | Lys | 1.73m, 1.93m, 3.03t, 3.763t |
| Malonate | M | 3.11s |
| Methanol | Mol | 3.34s |
| Methionine | Met | 2.14s, 2.16m, 2.65t |
| *myo*-Inositol | *m*-I | 3.54dd, 3.62t, 4.07t |
| Phenylalanine | Phe | 7.33d, 7.38t,7.43m |
| Phosphocholine | PC | 3.21s |
| Pyroglutamate | Pglu | 2.02m, 2.54m, 4.18m |
| Pyruvate | Py | 2.373s |
| Taurine | Tau | 3.27t,3.43t |
| Threonine | Threonine | 4.26m |
| Trigonelline | TG | 4.42s |
| Trimethylamine N-oxide | TMAO | 3.29s |

| | | |
|---|---|---|
| Tyrosine | Tyr | 6.895d, 7.19d |
| Uracil | Ura | 7.54d |
| Valine | Val | 0.99d |
| alpha-Glucose | $\alpha$-Glc | 3.42t, 3.71t, 3.74m, 3.84m, 5.24d |
| beta-Glucose | $\beta$-Glc | 3.26dd, 3.41t, 3.46m, 3.49t, 3.73dd, 3.9dd, 4.65d |

*: s, single peak; d, double peak; dd: dual double peak; t, triple peak; m, multiple; br, broad peak