



1
2 **Figure S1** The metabolites identified in the NMR spectrum 1, Lactate; 2, Alanine; 3, Glutamate; 4,
3 Succinate; 5, Hypotaurine, 6, Dimethylamine; 7, Aspartate; 8 N,N-Dimethylglycine; 9, Lysine; 10,
4 Malonate; 11, Choline, 12 O-Phosphocholine; 13, sn-Glycero-3-phosphocholine, 14, Betaine; 15, Taurine;
5 16, Glycine; 17, myo-Inositol; 18, Tartrate; 19, Trigonelline; 20, Glucose ; 21, Glycogen; 22, ATP/AMP;
6 23, Tyrosine; 24, Histidine; 25, Phenylalanine; 26 AMP; 27, ATP; 28, Pyrimidine; 29, Isoleucine; 30,
7 Leucine; 31, Valine; 32, D-Arginine; 33, Methionine; 34, Acetoacetate *Unknown and overlap peaks are
8 not noted in the spectrum.

9
10