- 4 - 2 - 0 - -:

0.0 0.0 -0.0 -0.0 0.0 0.0 -0.0 0.0 0.0 -0.0 -0.0 0.0 -0.0 -0.0 0.0 -0.0 0.0 0.0 -0.0 **–** L-Tryptophan (cor: 0.79) -0.0 - alpha-N-Phenylacetyl-L-glutamine (cor: 0.77) 0.0 -0.2 -0.0 -0.0 -0.2 - Methylglyoxal (cor: 0.90) 0.0 -0.4 -0.0 - 2-Dehydro-3-deoxy-L-arabinonate (cor: 0.94) 0.0 - 4-Acetamidobutanoate (cor: 0.94) -0.0 0.0 -0.0 0.0 0.0 0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 0.0 -0.4 -0.0 - Diphosphate (cor: 0.90) -0.2 0.0 -0.0 -0.0 -0.0 0.0 0.0 -0.0 -0.0 0.0 -0.0 -0.0 0.0 0.0 0.0 -0.0 0.0 -0.0 0.0 -0.1 - 3-Phospho-D-glycerate (cor: 0.89) -0.2 -0.0 - Glycerone phosphate (cor: 0.86) -0.0 -0.0 -0.0 0.0 0.0 0.4 -0.0 0.0 -0.1 -0.0 -0.0 -0.3 - (R)-3,3-Dimethylmalate (cor: 0.83) -0.0 -0.1 -0.0 -0.0 0.0 0.0 -0.0 - Tetradecanoic acid (cor: 0.68) -0.0 0.0 0.0 -0.0 0.0 0.0 0.0 -0.0 0.0 -0.0 -0.0 - Raffinose (cor: 0.89) 0.0 -0.0 -0.0 0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.4 -0.0 -0.2 -0.0 -0.0 -0.0 -0.0 - (9Z)-Octadecenoic acid (cor: 0.75) -0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 0.1 -0.0 0.0 0.0 0.0 0.0 -0.0 -0.2 -0.3 -0.4 -0.0 -0.0 -0.0 -0.2 - 3-Hydroxyanthranilate (cor: 0.83) -0.0 0.0 -0.0 0.0 -0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.1 - Indolepyruvate (cor: 0.77) 0.0 0.0 -0.0 -0.0 -0.0 0.0 0.0 0.0 -0.0 0.0 -0.2 0.0 0.0 -0.0 0.0 0.0 0.0 0.0 -0.0 -0.3 -0.4 -0.0 -0.3 - O-Phospho-L-homoserine (cor: 0.85) 0.0 -0.0 -0.0 0.0 -0.0 0.0 0.0 0.0 -0.4 - GDP-mannose (cor: 0.94) -0.0 0.0 -0.0 -0.0 0.2 0.0 0.0 -0.0 -0.2 -0.0 -0.4 - GMP (cor: 0.90) -0.0 0.0 0.0 0.0 0.0 0.0 0.2 -0.0 0.0 -0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.0 -0.6 - Pyruvate (cor: 0.92) -0.4 - Glycerone (cor: 0.87) 0.0 -0.0 -0.0 0.0 - Toluate (cor: 0.70) -0.0 -0.0 0.0 0.0 -0.0 -0.0 0.0 -0.0 -0.0 -0.1 -0.0 0.0 - ADP (cor: 0.95) 0.0 -0.0 -0.3 0.0 -0.0 -0.0 0.0 -0.2 -0.0 -0.0 0.0 -0.0 - 2-Oxoadipate (cor: 0.73) -0.0 -0.0 0.0 0.0 0.0 0.0 -0.0 0.0 -0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.1 -0.1 -0.2 -0.0 0.0 - L-Leucine (cor: 0.87) -0.0 0.0 -0.0 0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 0.0 0.0 - O-Phospho-L-serine (cor: 0.77) -0.0 -0.0 0.0 - L-Phenylalanine (cor: 0.77) -0.0 0.0 0.0 -0.0 0.0 0.0 -0.1 0.0 0.0 0.0 -0.0 0.0 0.0 0.0 -0.0 -0.2 -0.0 0.0 - L-Glutamate (cor: 0.66) -0.0 -0.0 -0.0 -0.0 -0.0 0.0 - 4-Aminobutanoate (cor: 0.63) -0.1 -0.0 -0.0 -0.0 0.0 0.0 -0.0 0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 0.1 – Glycine (cor: 0.90) -0.0 -0.0 -0.0 0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 - L-Valine (cor: 0.90) -0.0 0.0 - D-Fructose 6-phosphate (cor: 0.81) 0.0 0.0 -0.0 0.0 -0.1 -0.0 -0.0 -0.1 0.0 -0.0 -0.2 -0.0 - L-2-Aminoadipate (cor: 0.88) 0.0 -0.0 -0.0 -0.0 -0.0 0.0 0.0 -0.0 -0.2 0.1 -0.1 0.0 -0.0 -0.1 **–** 2-Oxobutanoate (cor: 0.82) -0.0 -0.0 - Propanoate (cor: 0.86) 0.0 -0.0 -0.0 0.0 0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 -0.2 -0.1 0.0 -0.1 -0.0 -0.0 -0.0 - Succinate (cor: 0.78) -0.0 0.0 -0.0 -0.0 0.0 0.0 -0.0 -0.0 -0.0 - AMP (cor: 0.88) $-0.0 \qquad 0.1 \qquad -0.0 \qquad -0.0 \qquad 0.0 \qquad -0.0 \qquad 0.0 \qquad -0.0 \qquad 0.1 \qquad -0.0 \qquad 0.0 \qquad -0.2 \qquad 0.0 \qquad 0.0 \qquad 0.0$ -0.0 - 2.5-Dioxopentanoate (cor: 0.79) -0.0 -0.0 0.0 0.0 0.1 -0.0 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 -0.0 -0.1 - Indole-3-acetaldehyde (cor: 0.77) -0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.0 -0.2 0.0 -0.0 -0.0 -0.0 0.0 0.0 0.0 -0.0 -0.0 - 3-Methyl-2-oxobutanoic acid (cor: 0.63) -0.2 **–** L-Alanine (cor: 0.85) -0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 -0.1 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.2 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 -0.0 - 2-Isopropylmaleate (cor: 0.85) $0.0 \quad -0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad -0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad -0.0 \quad 0.0 \quad -0.0 \quad -0.1 \quad -0.0$ -0.0 -0.0 - 3-Propylmalate (cor: 0.78) $0.0 \quad -0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad -0.0 \quad 0.0 \quad -0.0 \quad 0.0 \quad -0.0 \quad$ 0.0 -0.0 0.0 -0.1 -0.0 -0.0 -0.1 -0.0 0.0 -0.0 0.0 **–** L-Threonine (cor: 0.62) 0.0 -0.0 - Tetracosanoic acid (cor: 0.80) -0.0 0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 0.0 0.0 0.0 - Adenine (cor: 0.57) 0.0 - Octanoic acid (cor: 0.48) -0.0 -0.0 -0.0 -0.0 - CTP (cor: 0.55) -0.0 0.0 - D-Ribose 5-phosphate (cor: 0.47) 0.0 0.0 0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.0 -0.1 0.0 -0.0 0.0 -0.0 -0.0 0.0 - Decanoic acid (cor: 0.46) -0.0 0.0 - NADH (cor: 0.83) 0.0 0.0 -0.0 0.0 -0.0 -0.0 -0.0 -0.0 0.0 0.1 -0.0 - CDP (cor: 0.83) -0.7 -0.0 - (Z)-But-1-ene-1,2,4-tricarboxylate (cor: 0.96) -0.6 -0.0 - Orthophosphate (cor: 0.90) -0.0 -0.0 0.0 0.0 -0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 0.0 -0.1 -0.0 -0.0 - 5-Phosphoribosylamine (cor: 0.88) -0.0 -0.0 -0.6 -0.3 **–** Acetate (cor: 0.96) -0.0 $-0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad -0.0 \quad -0.0 \quad -0.0 \quad 0.0 \quad 0.0 \quad -0.0 \quad -0.0 \quad 0.0$ -0.0 0.0 -0.4 -0.4 - 1-Pyrroline-2-carboxylate (cor: 0.91) -0.0 -0.0 -0.0 -0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.5 -0.4 - N2-Acetyl-L-aminoadipate (cor: 0.90) 0.0 -0.6 - Deoxyribose (cor: 0.93) -0.0 0.0 **–** 2-Oxoglutarate (cor: 0.80) -0.0 -0.4 **–** Glycerol (cor: 0.96) 0.0 -0.0 0.0 0.0 -0.0 0.0 -0.0 -0.1 -0.0 0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.3 -0.0 -0.0 -0.4 -0.3 - D-Glucose (cor: 0.91) -0.0 -0.7 -0.0 0.0 0.0 -0.0 -0.1 -0.0 0.0 -0.2 -0.0 -0.0 -0.2 0.0 - 8-Amino-7-oxononanoate (cor: 0.80) 0.0 -0.0 -0.0 -0.6 -0.8 -0.1 0.0 -0.0 – 4alpha-Methylzymosterol-4-carboxylate (cor: 0.86) -0.0 -0.0 - Linoleate (cor: 0.85) 0.2 -0.0 0.0 0.0 0.0 0.0 -0.0 -0.9 -0.5 -0.4 -0.0 0.0 -0.0 -0.2 -0.0 -0.0 - sn-Glycerol 3-phosphate (cor: 0.94) 0.0 - D-Fructose 1,6-bisphosphate (cor: 0.92) 0.0 0.0 -0.5 -0.0 -0.0 -0.0 -0.0 0.0 0.0 0.0 - UDP-glucose (cor: 0.93) -0.3 0.4 -0.0 0.0 -0.0 0.0 0.0 - UTP (cor: 0.90) 0.4 – ATP (cor: 0.94) 0.0 -0.0 -0.0 0.0 -0.2 -0.0 -0.0 0.0 -0.0 - D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate (cor: 0.99) -0.0 0.0 -0.0 -0.0 0.0 -0.0 -0.0 0.0 0.0 -0.0 -0.0 -0.0 -0.0 -0.2 -0.0 -0.0 0.0 - N-(L-Arginino)succinate (cor: 0.97) 1.5 -0.0 – Fumarate (cor: 0.96) 0.0 -0.0 0.1 0.5 0.0 -0.8 -0.0 - Lipoate (cor: 0.97) -0.0 -0.0 **–** Uridine (cor: 0.94) 0.0 - L-Arginine (cor: 0.91) -0.0 -0.0 0.0 -0.0 0.0 0.0 -0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.0 0.0 -0.0 0.1 -0.0 0.2 - L-Aspartate (cor: 0.96) 0.0 - UDP (cor: 0.90) 0.0 -0.0 -0.0 0.0 -0.0 0.1 -0.0 0.0 -0.0 0.0 0.0 -0.0 0.0 -0.0 0.0 0.0 -0.0 0.00.0 0.3 – UDP-N-acetyl-D-glucosamine (cor: 0.89) -0.1 -0.0 0.0 0.0 -0.2 0.7 - 4-Oxoproline (cor: 0.99) 0.0 1.2 – gamma-L-Glutamyl-L-cysteine (cor: 0.98) 0.0 -0.0 -0.0 -0.9 0.1 -0.0 0.8 – 1-(5'-Phosphoribosyl)-5-formamido-4-imidazolecarboxamide (cor: 0.94) -0.0 -0.0 0.0 -0.8 0.1 -0.0 -0.0 1.3 – L-Ornithine (cor: 0.97) -0.0 -0.0 0.0 -0.4 -0.0 -0.0 0.0 0.3 -0.0 0.2 -0.0 0.9 – L-Histidine (cor: 0.95) 1.8 - Hypoxanthine (cor: 0.98) -0.0 1.6 – Glutathione disulfide (cor: 0.88) 0.4 -1.5 -0.0 -0.0 -0.0 0.0 -0.0 0.0 -1.7 -0.0 0.3 -0.1 - Citrate (cor: 0.97) -0.0 -0.0 1.1 -0.0 0.0 -0.0 1.5 -0.0 - L-Proline (cor: 0.98) -0.0 0.1 -0.0 -0.0 -0.0 - (S)-Malate (cor: 0.98) 0.4 0.0 0.0 -0.3 0.0 0.0 0.0 - N-Acetyl-L-glutamate (cor: 0.99) -0.0 -1.9 0.0 -0.0 -0.4 -0.0 -0.2 0.0 0.0 -0.4 - Sucrose (cor: 0.96) 0.0 1.9 0.3 1.8 4.7 – Inosine (cor: 0.99) 0.0 1.5 1.3 -1.5 -2.9 -1.8 0.0 - 5,6-Dihydrothymine (cor: 0.99) 1.5 1.1 -2.0 -2.3 -2.7 0.0 - L-Glutamine (cor: 0.99) 0.0 0.0 -0.0 -0.0 1.0 -0.0 -0.0 -0.2 0.0 -0.0