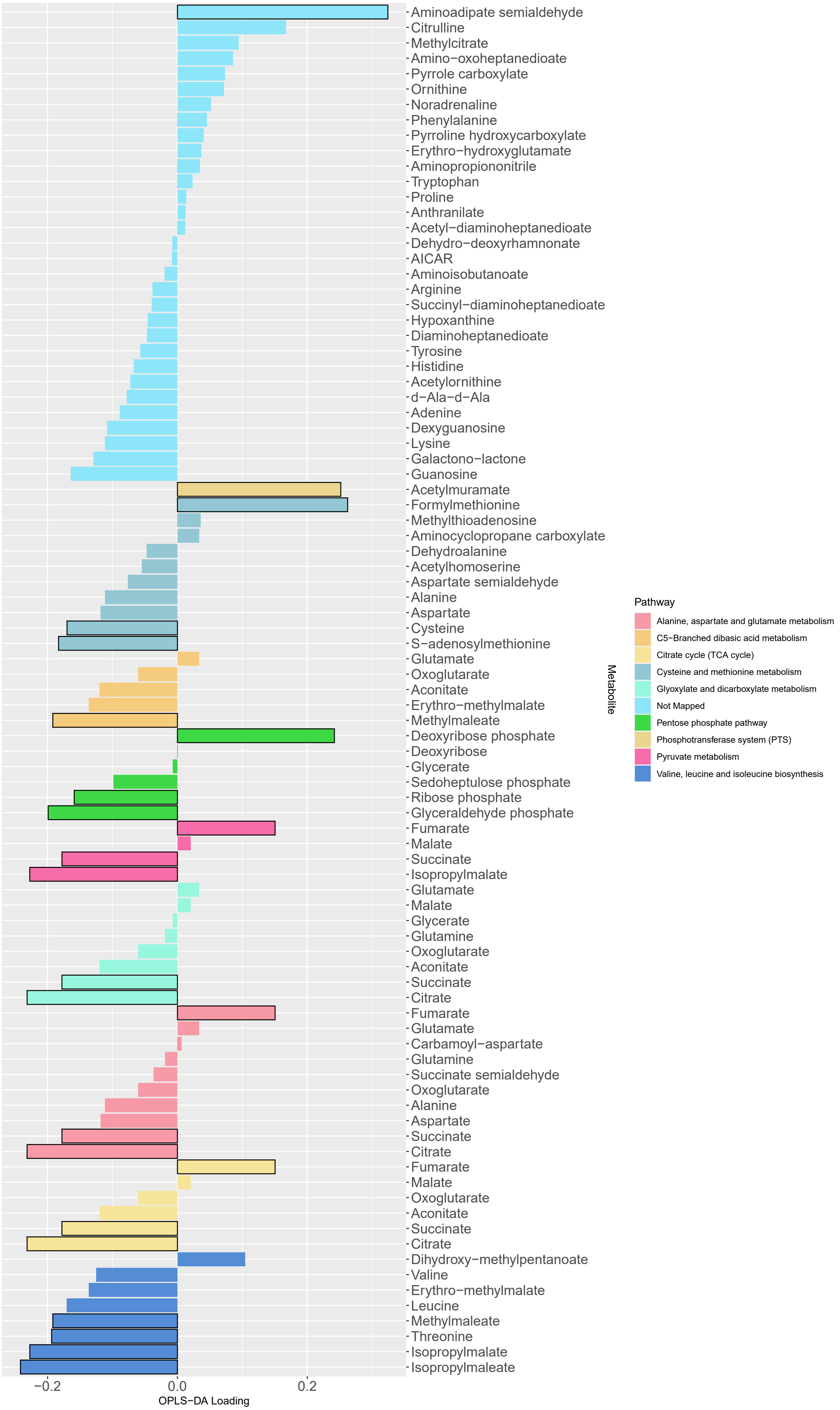
Aminoadipate semialdehyde
Citrulline
Methylcitrate
Amino−oxoheptanedioate
Pyrrole carboxylate
Ornithine
Noradrenaline
Phenylalanine
Pyrroline hydroxycarboxylate
Erythro−hydroxyglutamate
Aminopropiononitrile
Tryptophan
Proline
Anthranilate
Acetyl−diaminoheptanedioate
Dehydro−deoxyrhamnonate
AICAR
Aminoisobutanoate
Arginine
Succinyl−diaminoheptanedioate
Hypoxanthine
Diaminoheptanedioate
Tyrosine
Histidine
Acetylornithine
d−Ala−d−Ala
Adenine
Dexyguanosine
Lysine
Galactono−lactone
Guanosine
Acetylmuramate
Formylmethionine
Methylthioadenosine
Aminocyclopropane carboxylate
Dehydroalanine
Acetylhomoserine
Aspartate semialdehyde
Alanine
Aspartate
Cysteine
S−adenosylmethionine
Glutamate
Oxoglutarate
Aconitate
Erythro−methylmalate
Methylmaleate
Deoxyribose phosphate
Deoxyribose
Glycerate
Sedoheptulose phosphate
Ribose phosphate
Glyceraldehyde phosphate
Fumarate
Malate
Succinate
Isopropylmalate
Glutamate
Malate
Glycerate
Glutamine
Oxoglutarate
Aconitate
Succinate
Citrate
Fumarate
Glutamate
Carbamoyl−aspartate
Glutamine
Succinate semialdehyde
Oxoglutarate
Alanine
Aspartate
Succinate
Citrate
Fumarate
Malate
Oxoglutarate
Aconitate
Succinate
Citrate
Dihydroxy−methylpentanoate
Valine
Erythro−methylmalate
Leucine
Methylmaleate
Threonine
Isopropylmalate
Isopropylmaleate
−0.2
0.0
0.2
OPLS−DA Loading
Metabolite
Pathway
Alanine, aspartate and glutamate metabolism
C5−Branched dibasic acid metabolism
Citrate cycle (TCA cycle)
Cysteine and methionine metabolism
Glyoxylate and dicarboxylate metabolism
Not Mapped
Pentose phosphate pathway
Phosphotransferase system (PTS)
Pyruvate metabolism
Valine, leucine and isoleucine biosynthesis