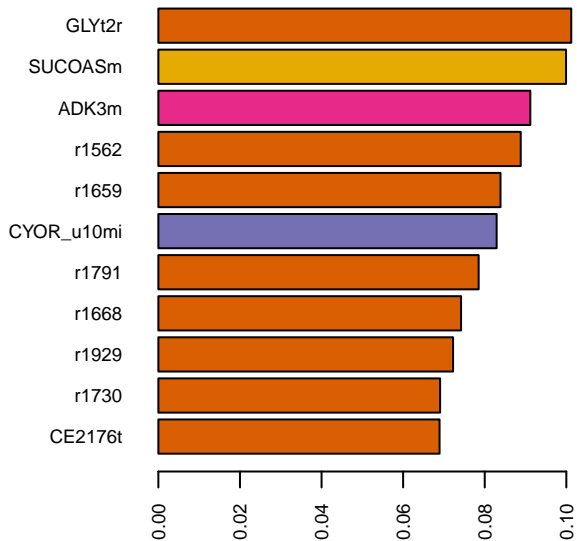
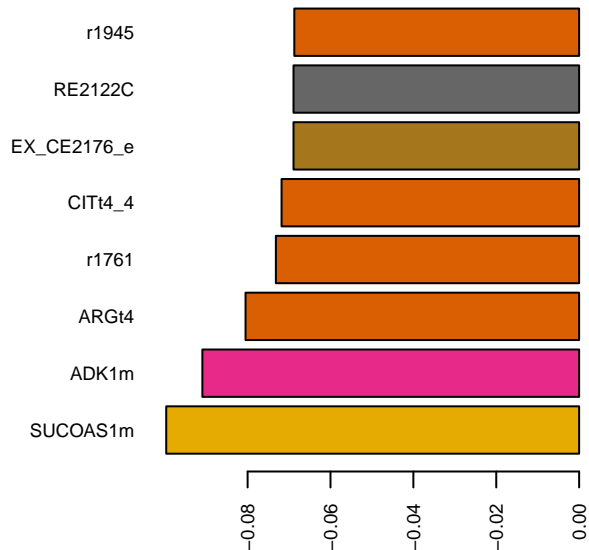


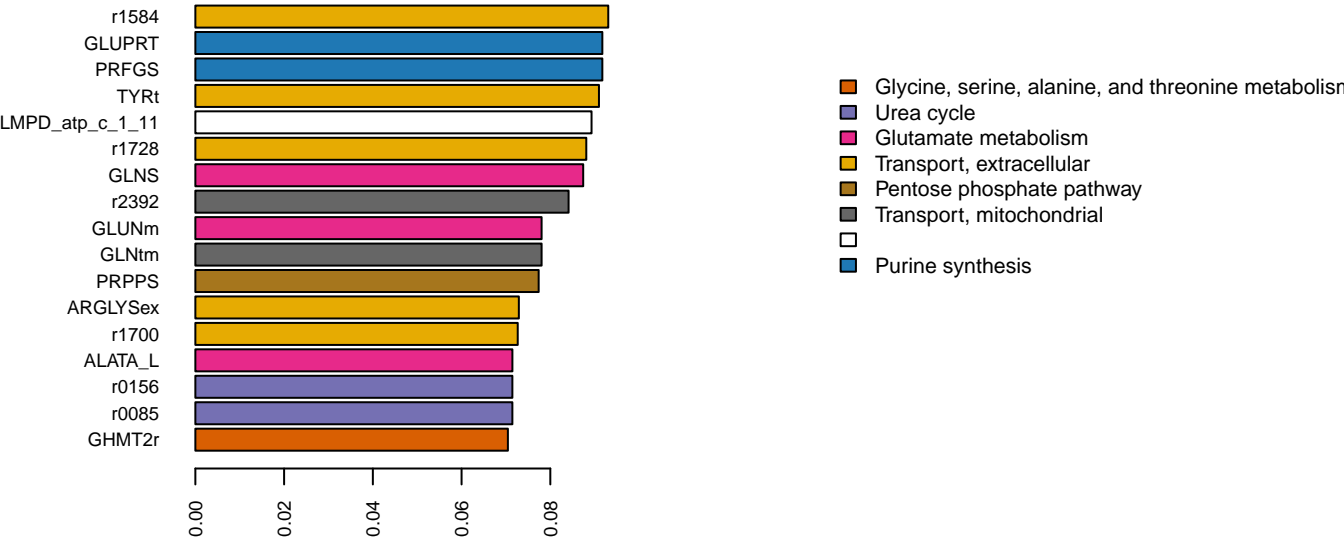
## sPC 1



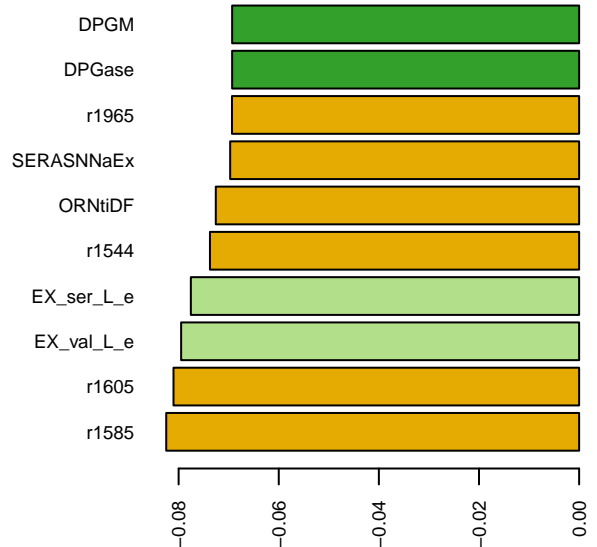
- Citric acid cycle
- Nucleotide interconversion
- Transport, extracellular
- Exchange/demand reaction
- Tyrosine metabolism



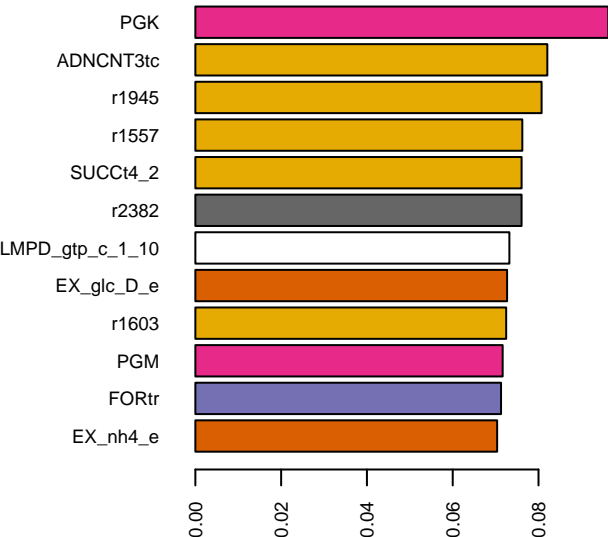
## sPC 2



- Transport, extracellular
- Exchange/demand reaction
- Glycolysis/gluconeogenesis

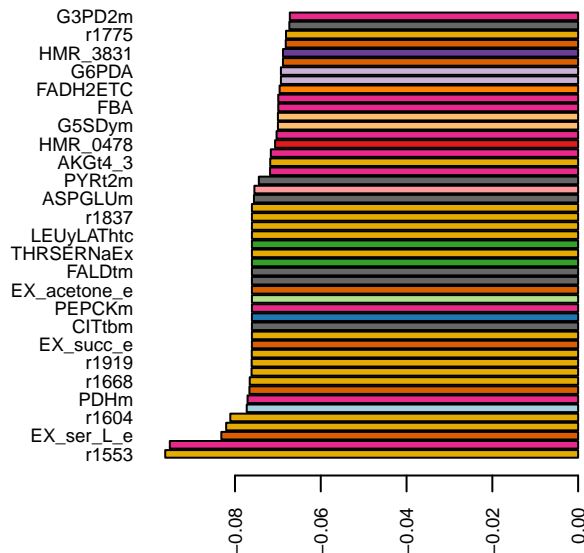


# sPC 3

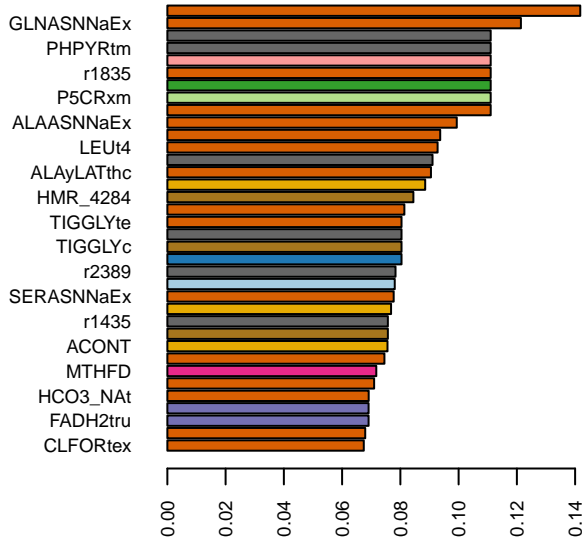


- Exchange/demand reaction
- Transport, endoplasmic reticular
- Glycolysis/gluconeogenesis
- Transport, extracellular
- Transport, mitochondrial

- Transport, extracellular
- Glycolysis/gluconeogenesis
- Exchange/demand reaction
- Citric acid cycle
- Transport, mitochondrial
- Taurine and hypotaurine metabolism
- Propanoate metabolism
- Glycine, serine, alanine, and threonine metabolism
- Pyruvate metabolism
- Glycerophospholipid metabolism
- Urea cycle
- ETC\_Rxns
- Aminosugar metabolism
- Glutamate metabolism

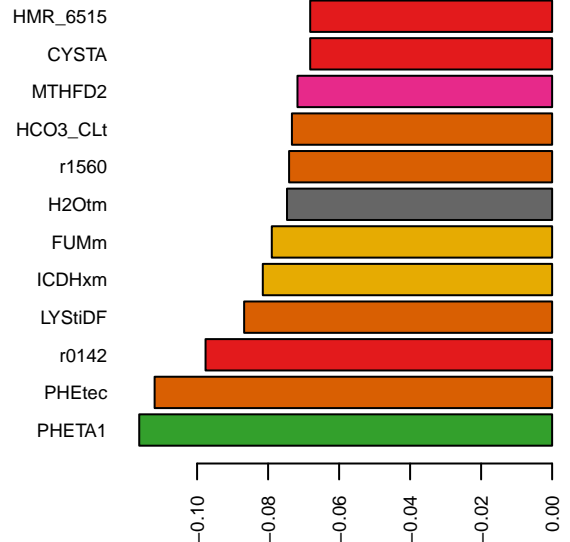


## sPC 4

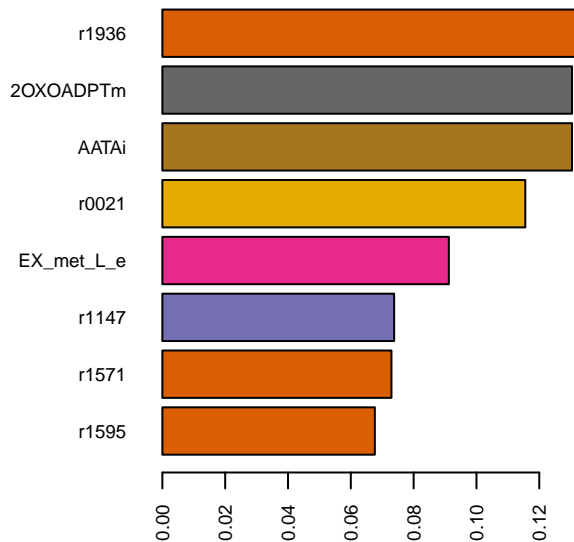


- Transport, extracellular
- Transport, endoplasmic reticular
- Folate metabolism
- Citric acid cycle
- Glycine, serine, alanine, and threonine metabolism
- Transport, mitochondrial
- Nucleotide interconversion
- Exchange/demand reaction
- Arginine and proline metabolism
- Phenylalanine metabolism
- Glycolysis/gluconeogenesis

- Phenylalanine metabolism
- Transport, extracellular
- Methionine and cysteine metabolism
- Citric acid cycle
- Transport, mitochondrial
- Folate metabolism



## sPC 5



- Transport, extracellular
- Transport, peroxisomal
- Exchange/demand reaction
- Glutathione metabolism
- Lysine metabolism
- Tryptophan metabolism

- Transport, extracellular
- Lysine metabolism
- Glutathione metabolism
- Tyrosine metabolism
- Pentose phosphate pathway
- Transport, mitochondrial
- Glycolysis/gluconeogenesis

