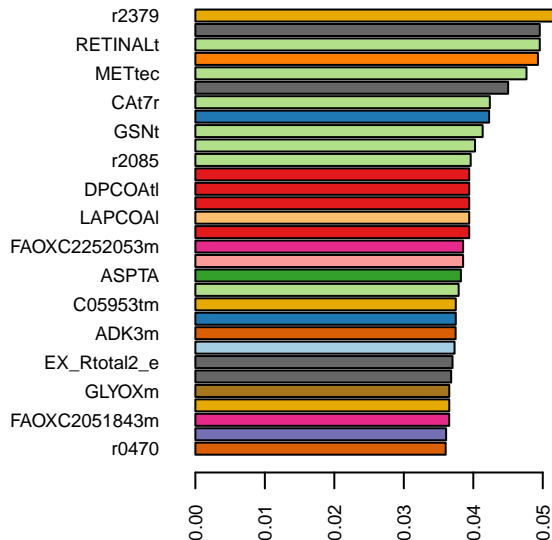
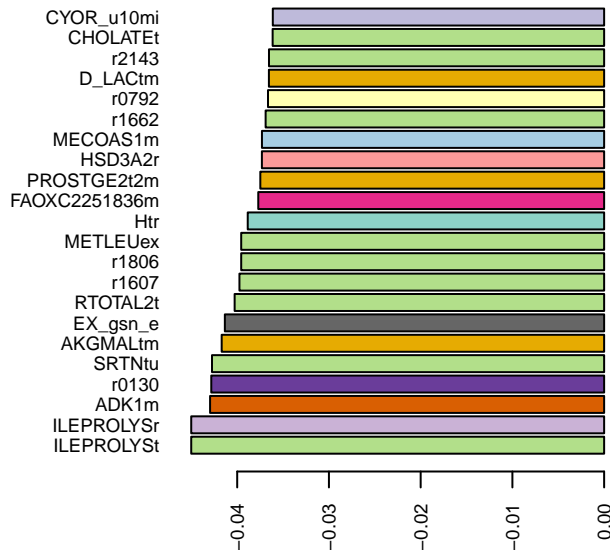


## sPC 1

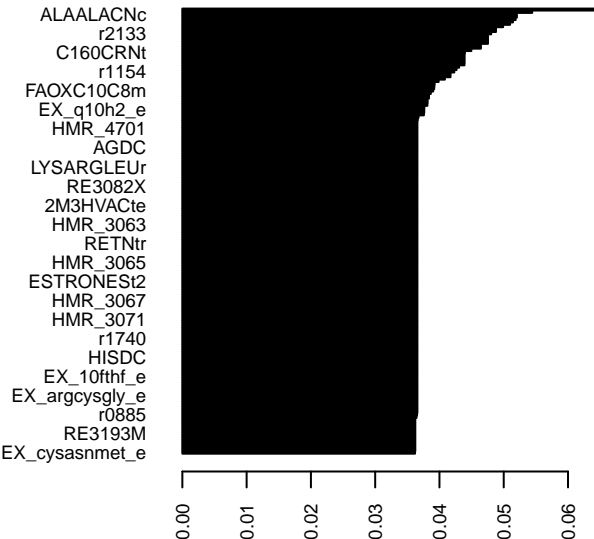


- Nucleotide interconversion
- Purine catabolism
- Fatty acid oxidation
- Transport, mitochondrial
- Pyruvate metabolism
- Exchange/demand reaction
- C5-branched dibasic acid metabolism
- Eicosanoid metabolism
- Transport, extracellular
- Alanine and aspartate metabolism
- Steroid metabolism
- Transport, lysosomal
- CoA catabolism
- NAD metabolism

- Transport, extracellular
- Peptide metabolism
- Nucleotide interconversion
- Glutathione metabolism
- Transport, mitochondrial
- Exchange/demand reaction
- Transport, endoplasmic reticular
- Fatty acid oxidation
- Steroid metabolism
- C5-branched dibasic acid metabolism
- Folate metabolism
- Oxidative phosphorylation

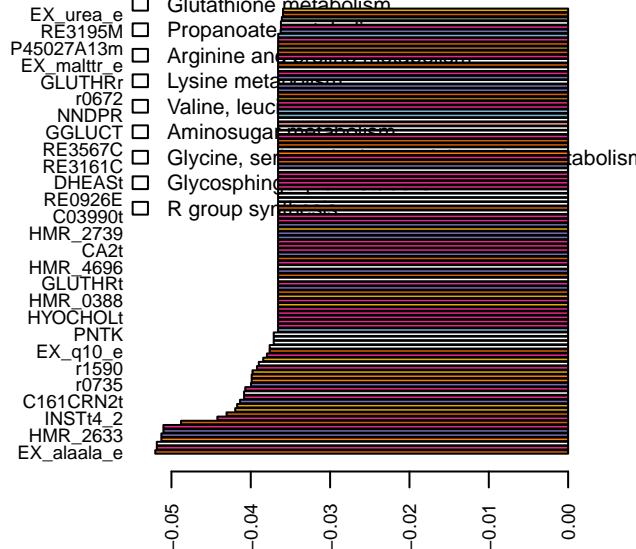


## sPC 2

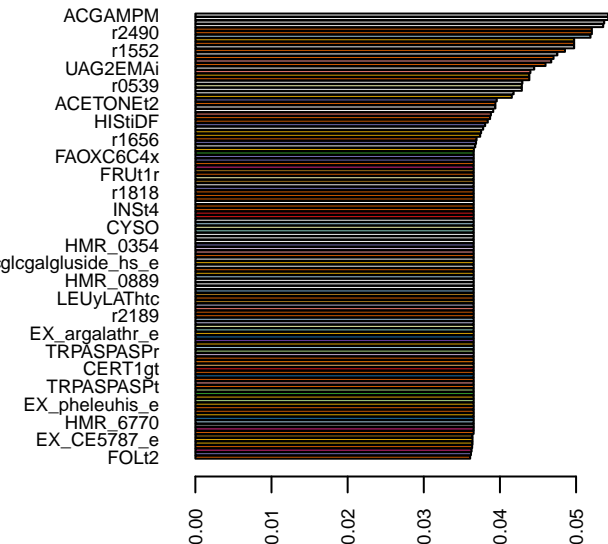


- Exchange/demand reaction
- Transport, extracellular
- Peptide metabolism
- Fatty acid synthesis
- Fatty acid oxidation
- Transport, mitochondrial
- Citric acid cycle
- Nucleotide interconversion
- CoA synthesis
- NAD metabolism
- Androgen and estrogen synthesis and metabolism
- Glycine, serine, alanine, and threonine metabolism
- Starch and sucrose metabolism
- Purine catabolism
- Eicosanoid metabolism
- Glutathione metabolism
- Nucleotide salvage pathway
- Cholesterol metabolism
- Bile acid synthesis
- Lysine metabolism
- Transport, peroxisomal

- Exchange/demand reaction
- Fatty acid oxidation
- Transport, extracellular
- Transport, mitochondrial
- Bile acid synthesis
- Transport, peroxisomal
- Transport, endoplasmic reticular
- Vitamin A metabolism
- Tyrosine metabolism
- Butanoate metabolism
- Cholesterol metabolism
- Methionine and cysteine metabolism
- Histidine metabolism
- Fatty acid synthesis
- Glycolysis/gluconeogenesis
- Glycerophospholipid metabolism
- Glyoxylate and dicarboxylate metabolism
- Folate metabolism
- Miscellaneous
- Pyruvate metabolism
- NAD metabolism
- Eicosanoid metabolism
- Peptide metabolism
- Glutathione metabolism
- Propanoate metabolism
- Arginine and proline metabolism
- Lysine metabolism
- Valine, leucine, and isoleucine metabolism
- Aminosugars metabolism
- Glycine, serine, and alanine metabolism
- Glycosphingolipid metabolism
- R group synthesis

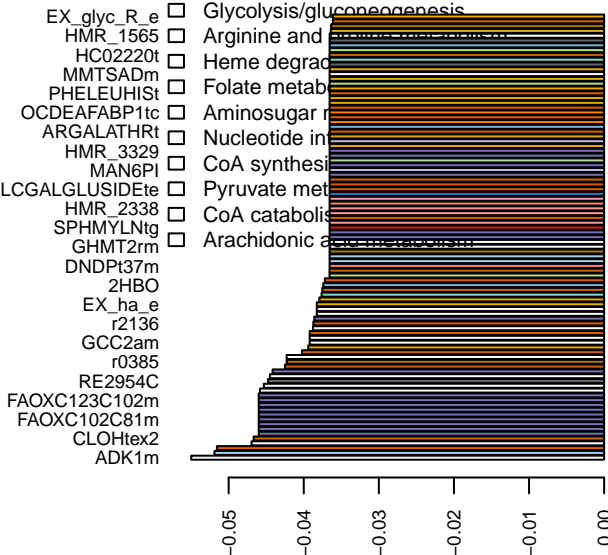


# sPC 3

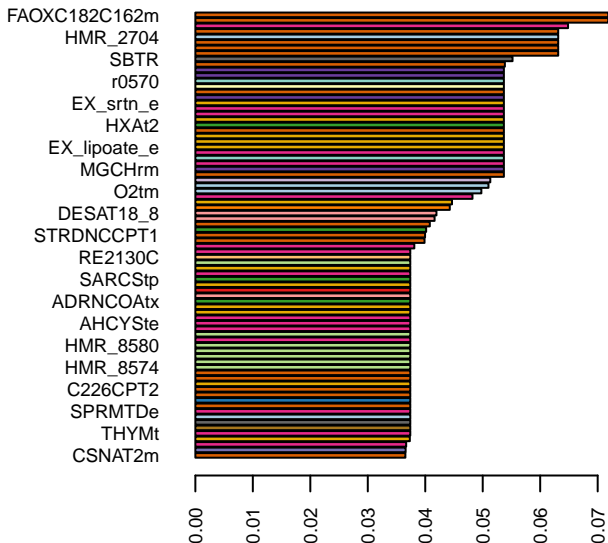


- Transport, extracellular
- Fatty acid oxidation
- Urea cycle
- Exchange/demand reaction
- Miscellaneous
- Pyrimidine synthesis
- Phenylalanine metabolism
- Transport, peroxisomal
- Peptide metabolism
- Glycerophospholipid metabolism
- Fatty acid synthesis
- Transport, golgi apparatus
- Tetrahydrobiopterin metabolism
- Transport, endoplasmic reticular
- Sphingolipid metabolism
- Bile acid synthesis
- Tyrosine metabolism
- Taurine and hypotaurine metabolism
- Fructose and mannose metabolism
- Transport, mitochondrial
- Propanoate metabolism
- Glycosphingolipid metabolism
- Glutathione metabolism
- Glycolysis/gluconeogenesis
- Arginine and proline metabolism
- Heme degradation
- Folate metabolism
- Aminosugar metabolism
- Nucleotide interconversion
- CoA synthesis
- Pyruvate metabolism
- CoA catabolism
- Arachidonic acid metabolism

- Nucleotide interconversion
- Phenylalanine metabolism
- Transport, extracellular
- Pyruvate metabolism
- Fatty acid oxidation
- NAD metabolism
- Pyrimidine synthesis
- Aminosugar metabolism
- Miscellaneous
- Valine, leucine, and isoleucine metabolism
- Exchange/demand reaction
- Glycine, serine, alanine, and threonine metabolism
- Hyaluronan metabolism
- Tyrosine metabolism
- Propanoate metabolism
- Peptide metabolism
- Transport, mitochondrial
- Citric acid cycle
- Transport, golgi apparatus
- Fatty acid synthesis
- Transport, peroxisomal

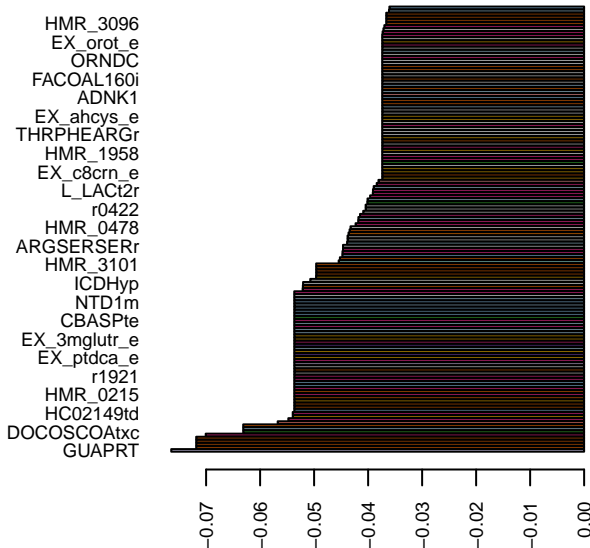


## sPC 4

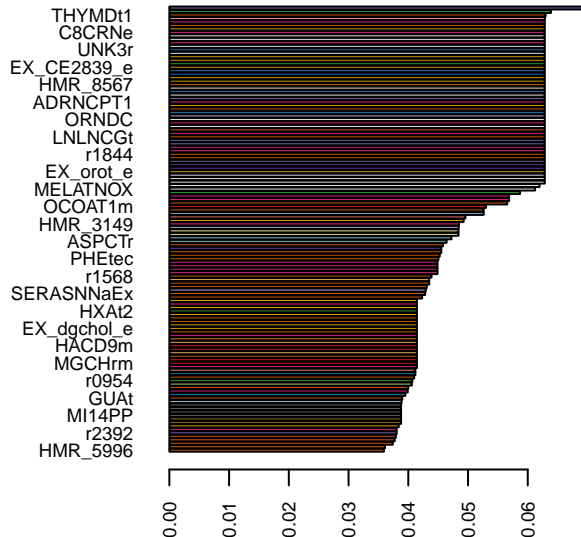


- Fatty acid oxidation
- Folate metabolism
- Transport, extracellular
- Exchange/demand reaction
- Steroid metabolism
- Fructose and mannose metabolism
- Transport, mitochondrial
- Glycine, serine, alanine, and threonine metabolism
- Starch and sucrose metabolism
- Transport, peroxisomal
- Fatty acid synthesis
- Drug metabolism
- Tyrosine metabolism
- ROS detoxification
- Pyrimidine synthesis
- Valine, leucine, and isoleucine metabolism
- Pentose phosphate pathway
- Bile acid synthesis

- Nucleotide salvage pathway
- Fatty acid oxidation
- Transport, extracellular
- Transport, peroxisomal
- Transport, mitochondrial
- Glycolysis/gluconeogenesis
- Exchange/demand reaction
- Nucleotide interconversion
- Lipoate metabolism
- Glycerophospholipid metabolism
- Pyrimidine synthesis
- Valine, leucine, and isoleucine metabolism
- Pyruvate metabolism
- Citric acid cycle
- R group synthesis
- Pentose phosphate pathway
- Peptide metabolism
- Aminosugar metabolism
- ROS detoxification
- Miscellaneous
- Fatty acid synthesis



# sPC 5



- Transport, extracellular
- Transport, mitochondrial
- Fatty acid oxidation
- Exchange/demand reaction
- Transport, nuclear
- Inositol phosphate metabolism
- Fructose and mannose metabolism
- Methionine and cysteine metabolism
- Folate metabolism
- Transport, peroxisomal
- Miscellaneous
- Valine, leucine, and isoleucine metabolism
- Pentose phosphate pathway
- Bile acid synthesis
- Citric acid cycle
- Glycerophospholipid metabolism
- Pyrimidine synthesis
- Sphingolipid metabolism
- Fatty acid synthesis
- Vitamin C metabolism
- Heme synthesis
- Tryptophan metabolism
- Galactose metabolism
- Pyrimidine catabolism
- Urea cycle
- Arginine and proline metabolism
- Butanoate metabolism
- Androgen and steroid metabolism
- Peptide metabolism
- Nucleotide interconversion

- Fatty acid oxidation
- Transport, peroxisomal
- Exchange/demand reaction
- Transport, extracellular
- Starch and sucrose metabolism
- Tyrosine metabolism
- Fatty acid synthesis
- Drug metabolism
- Transport, mitochondrial
- Glycine, serine, alanine, and threonine metabolism
- Steroid metabolism
- Fructose and mannose metabolism
- Tryptophan metabolism
- Nucleotide salvage pathway
- Glycolysis/gluconeogenesis
- Aminosugar metabolism
- Pyrimidine synthesis
- Galactose metabolism
- Squalene and cholesterol synthesis
- Nucleotide interconversion
- Lipid metabolism

