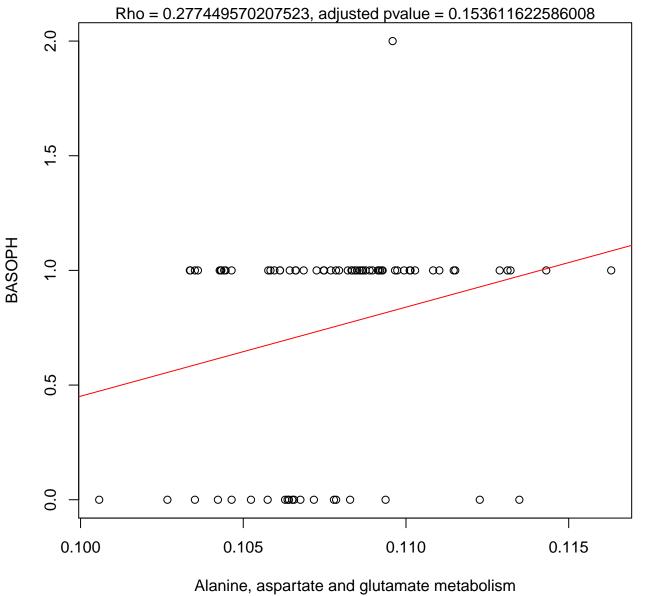
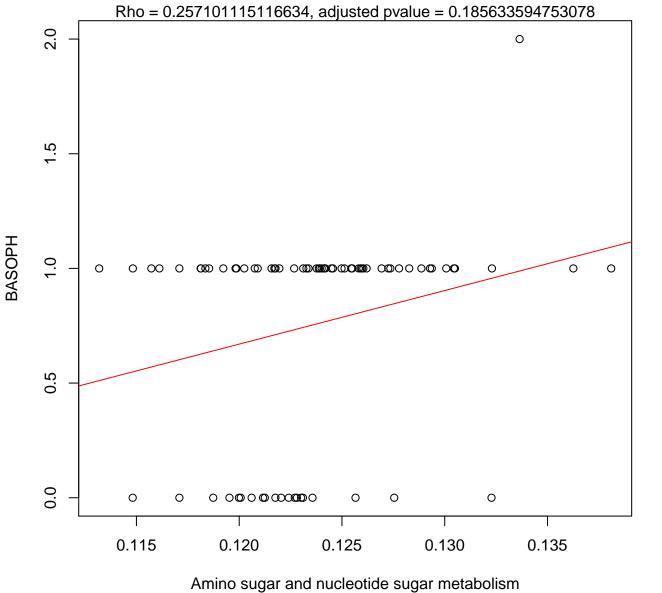
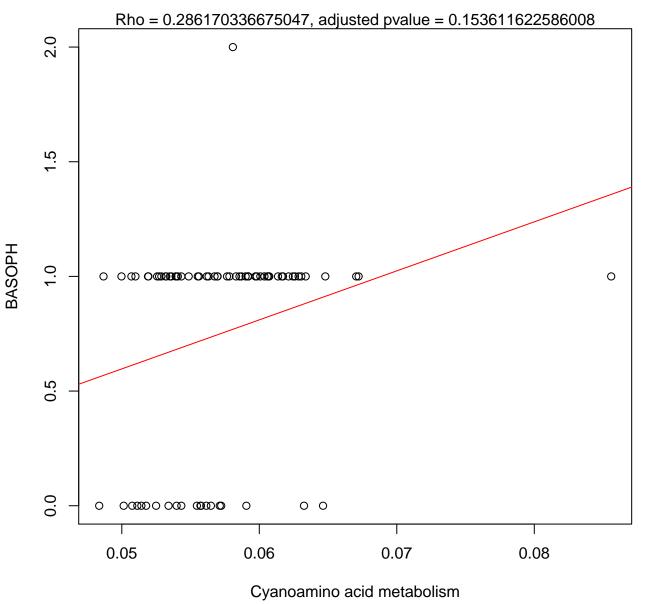
Timepoint 1, BASOPH ~ Alanine, aspartate and glutamate metabolism



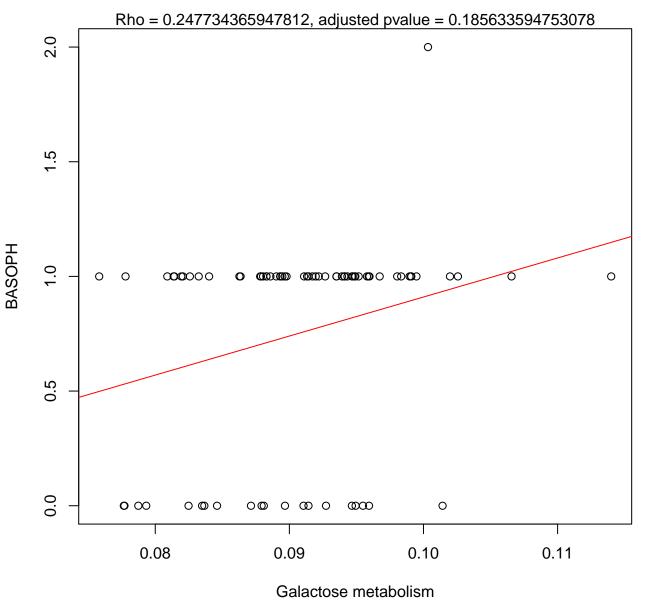
Timepoint 1, BASOPH ~ Amino sugar and nucleotide sugar metabolism



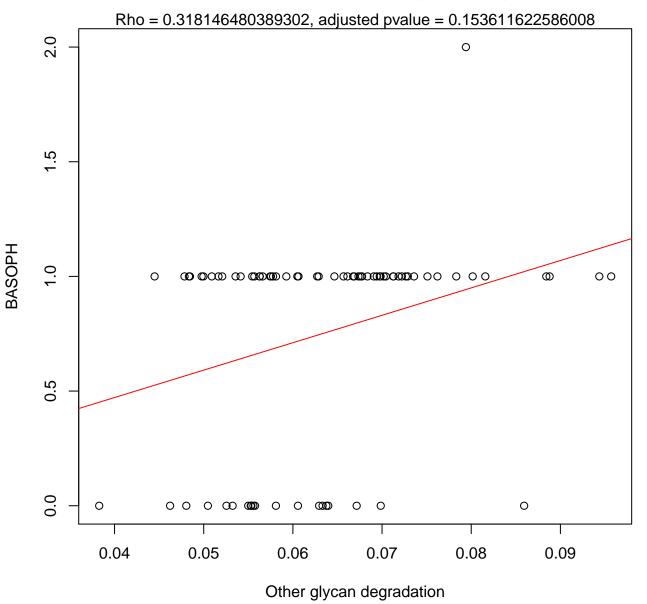
Timepoint 1, BASOPH ~ Cyanoamino acid metabolism



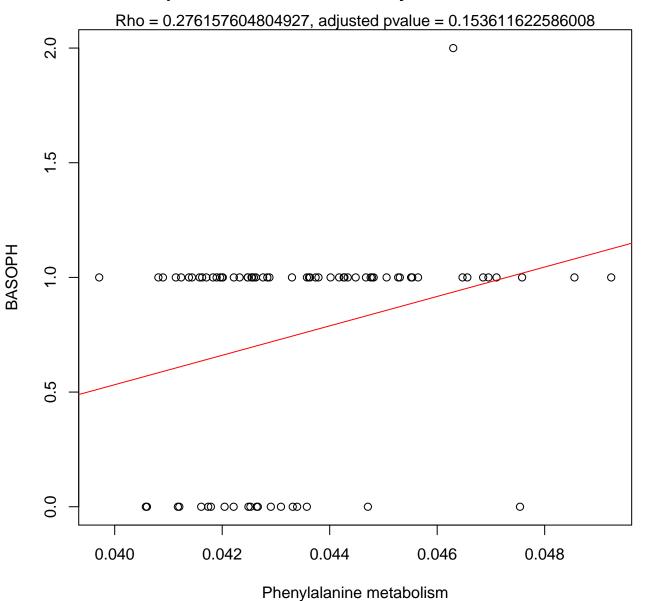
### Timepoint 1, BASOPH ~ Galactose metabolism



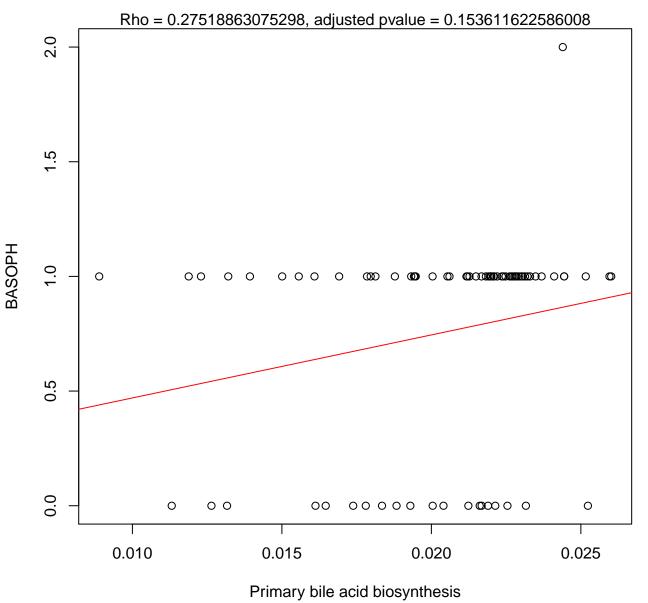
## Timepoint 1, BASOPH ~ Other glycan degradation



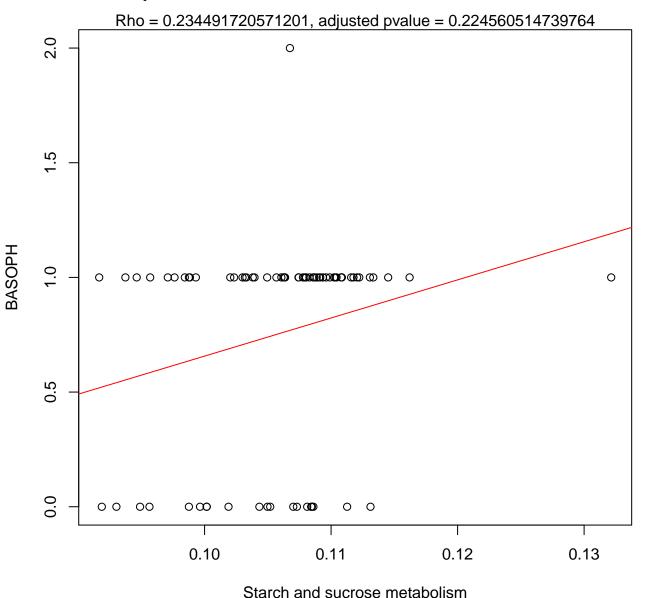
### Timepoint 1, BASOPH ~ Phenylalanine metabolism



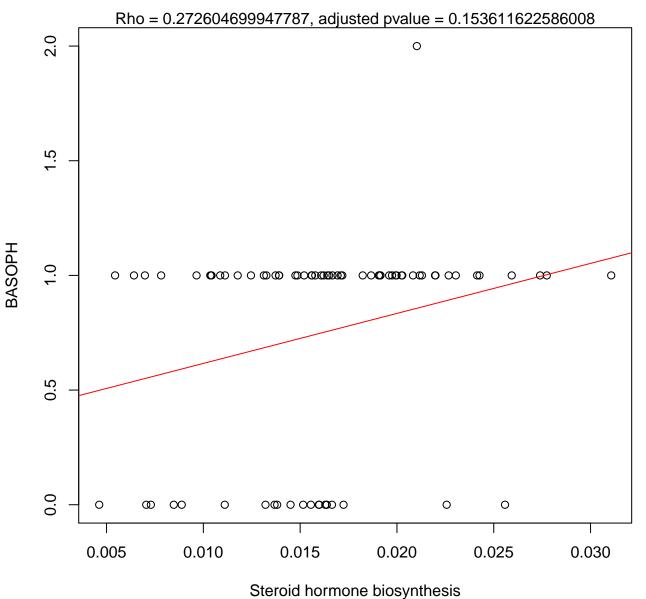
# Timepoint 1, BASOPH ~ Primary bile acid biosynthesis



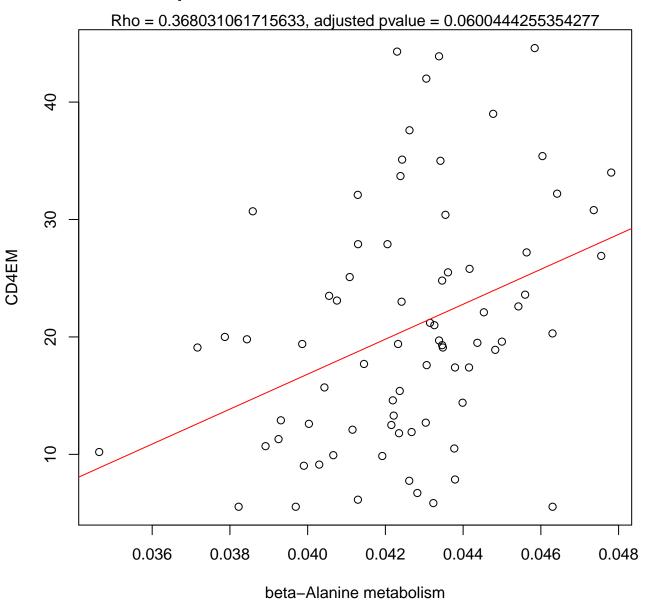
## Timepoint 1, BASOPH ~ Starch and sucrose metabolism



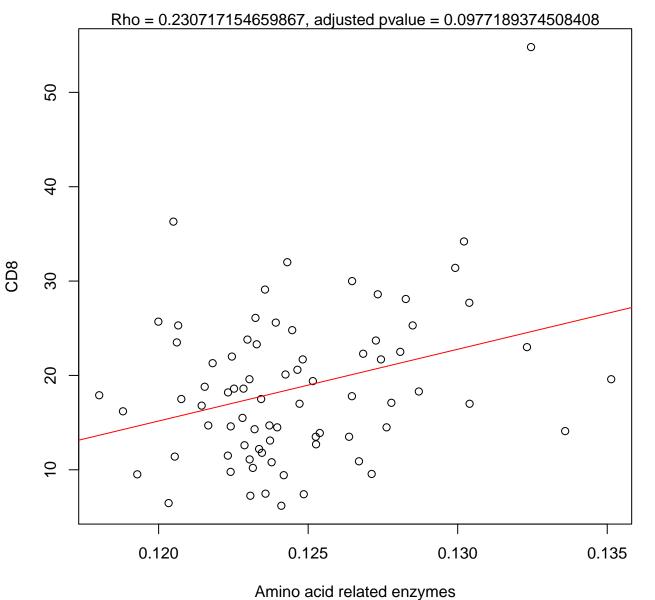
# Timepoint 1, BASOPH ~ Steroid hormone biosynthesis



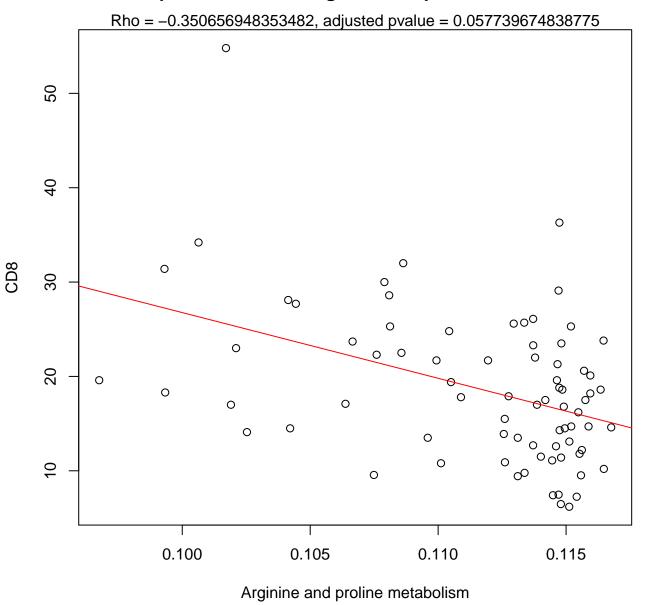
#### Timepoint 1, CD4EM ~ beta-Alanine metabolism



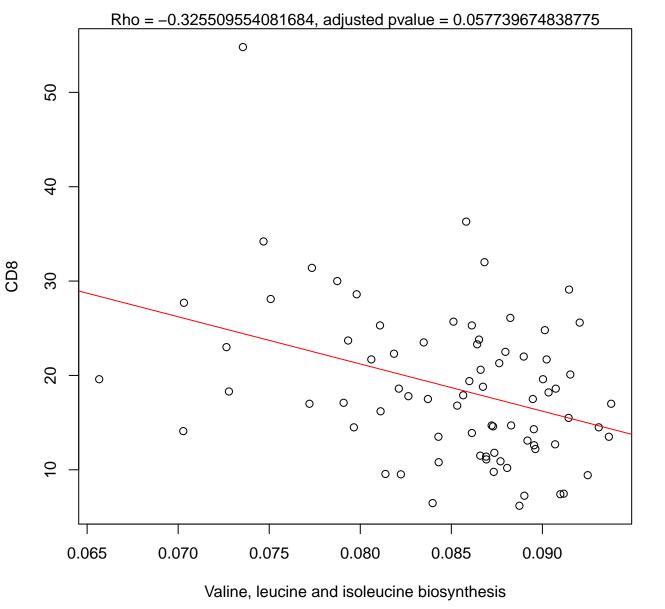
Timepoint 1, CD8 ~ Amino acid related enzymes



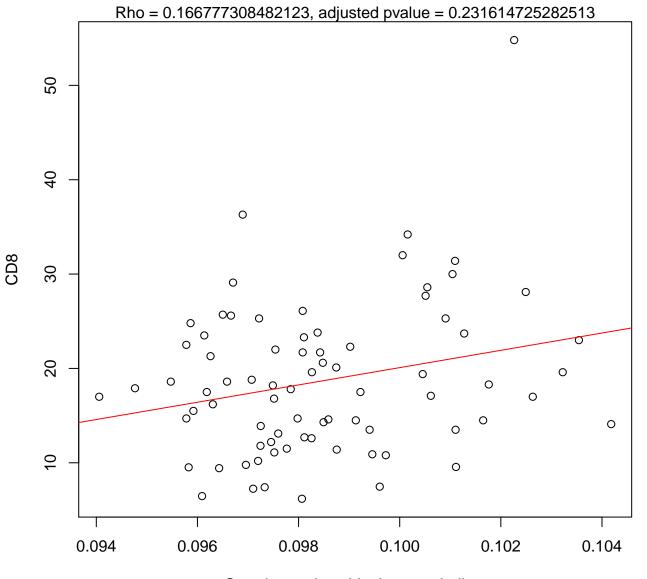
Timepoint 1, CD8 ~ Arginine and proline metabolism



Timepoint 1, CD8 ~ Valine, leucine and isoleucine biosynthesis

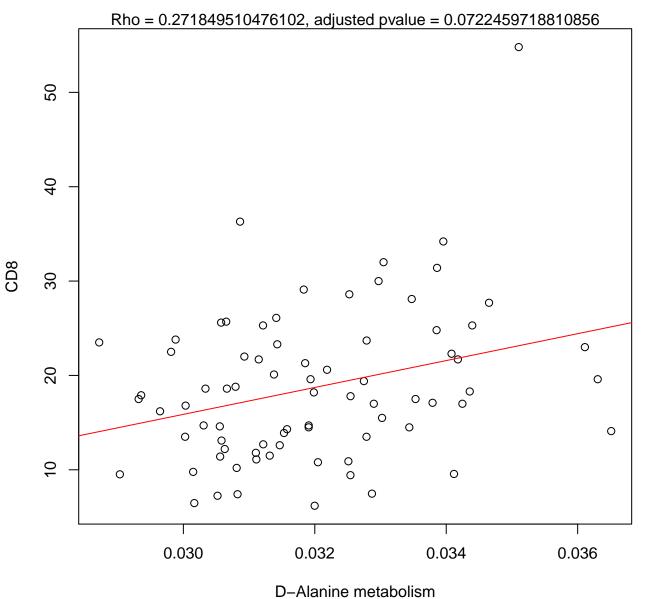


## Timepoint 1, CD8 ~ Cysteine and methionine metabolism

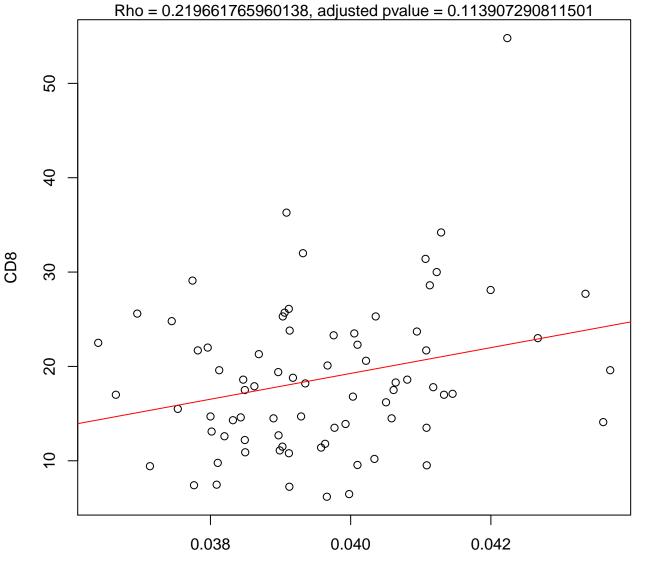


Cysteine and methionine metabolism

Timepoint 1, CD8 ~ D-Alanine metabolism

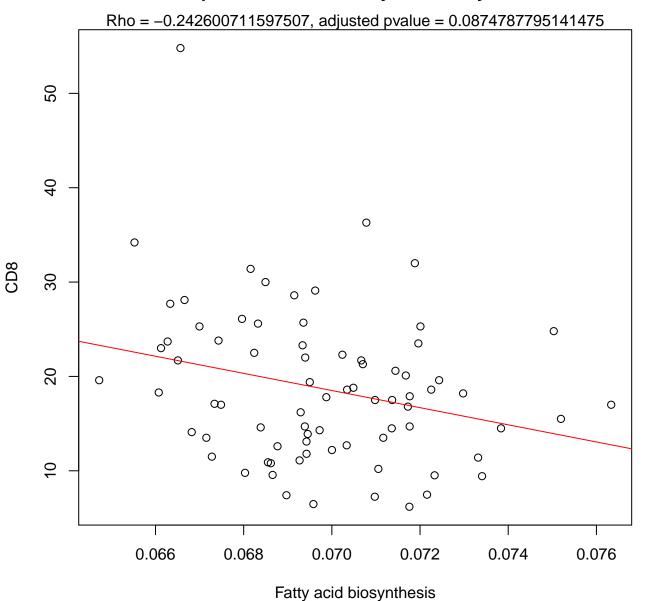


Timepoint 1, CD8 ~ D-Glutamine and D-glutamate metabolism

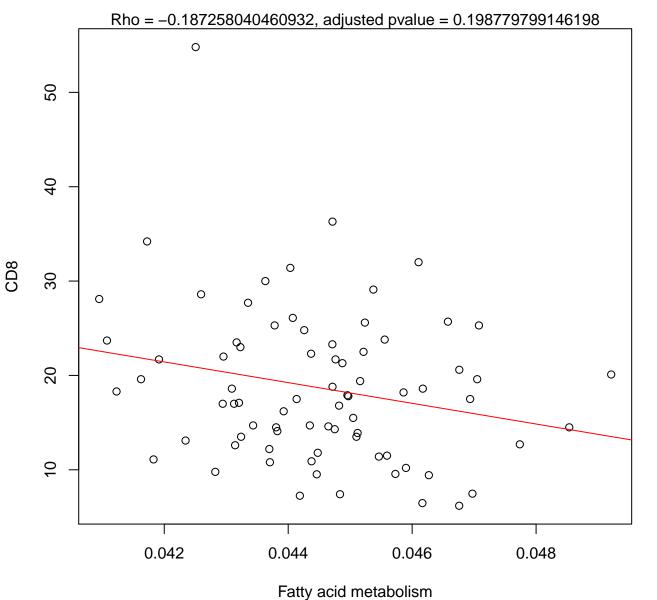


D-Glutamine and D-glutamate metabolism

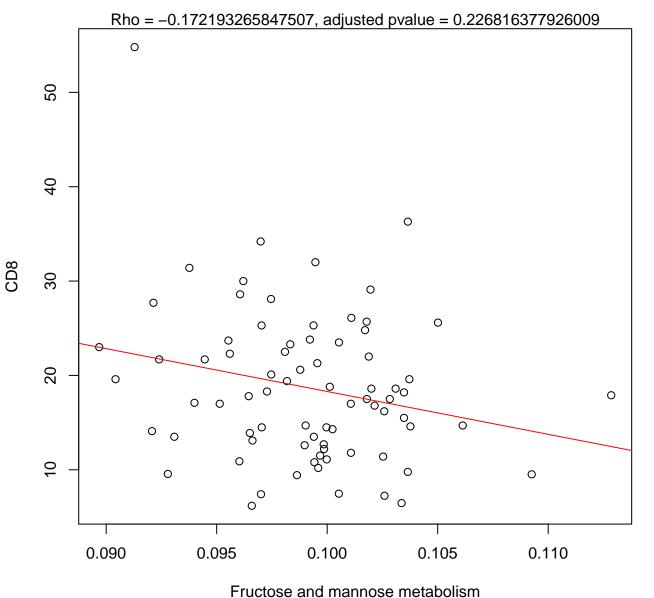
Timepoint 1, CD8 ~ Fatty acid biosynthesis



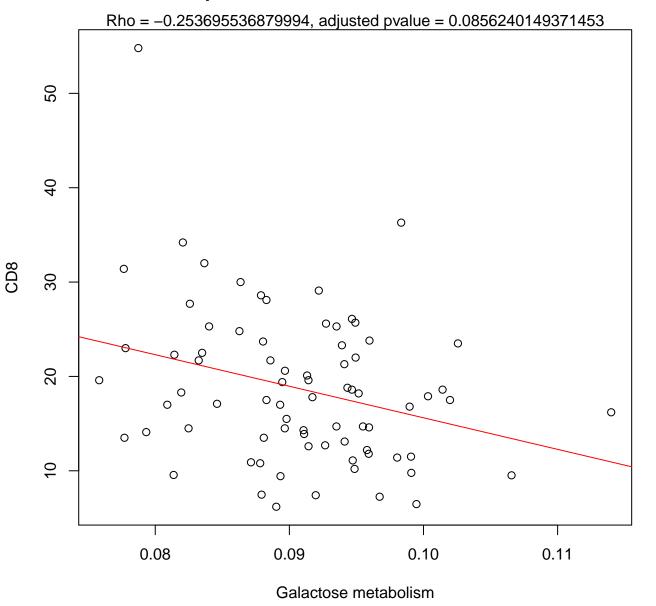
Timepoint 1, CD8 ~ Fatty acid metabolism



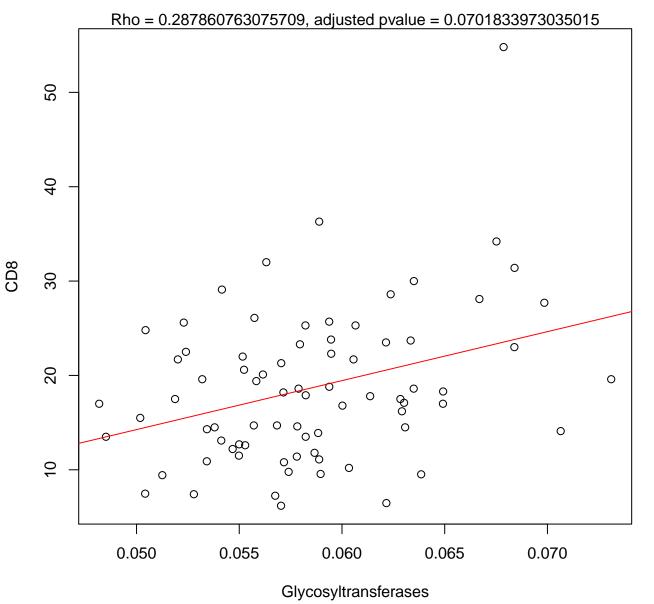
Timepoint 1, CD8 ~ Fructose and mannose metabolism



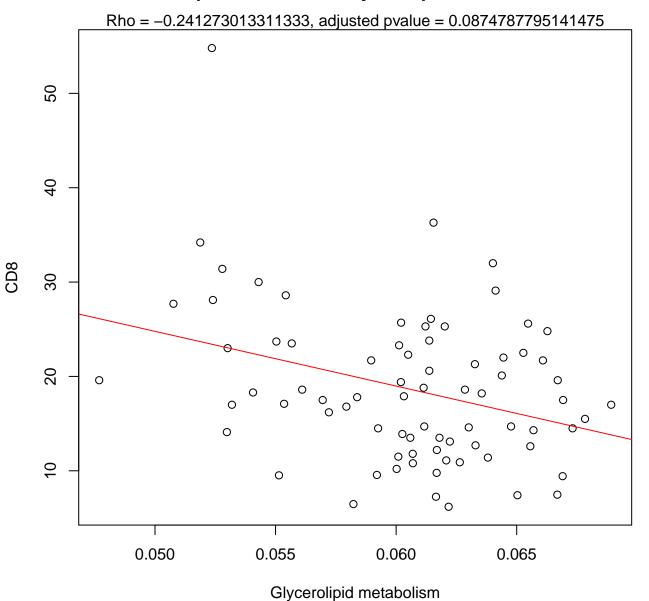
Timepoint 1, CD8 ~ Galactose metabolism



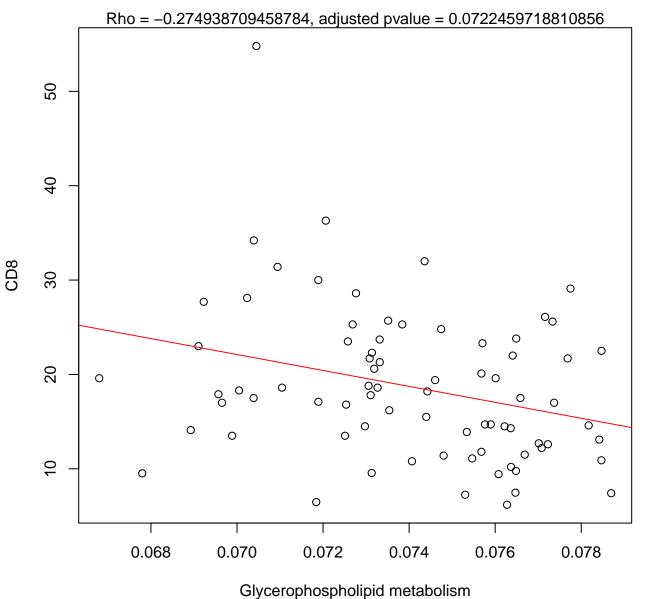
**Timepoint 1, CD8 ~ Glycosyltransferases** 



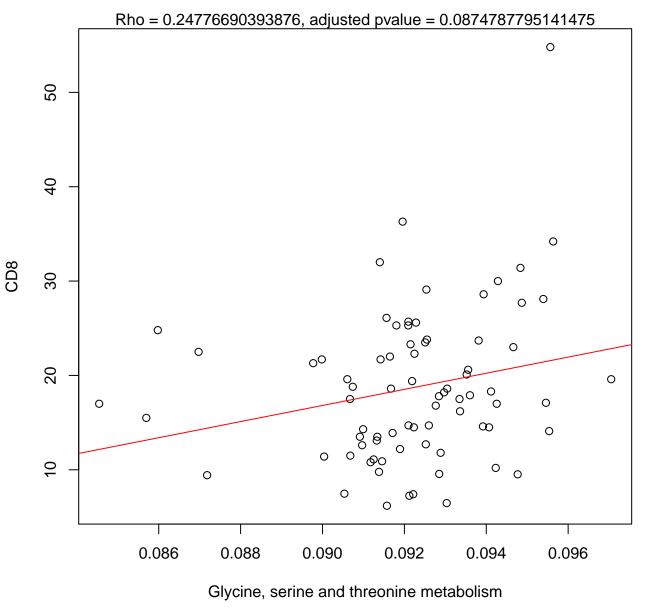
### Timepoint 1, CD8 ~ Glycerolipid metabolism



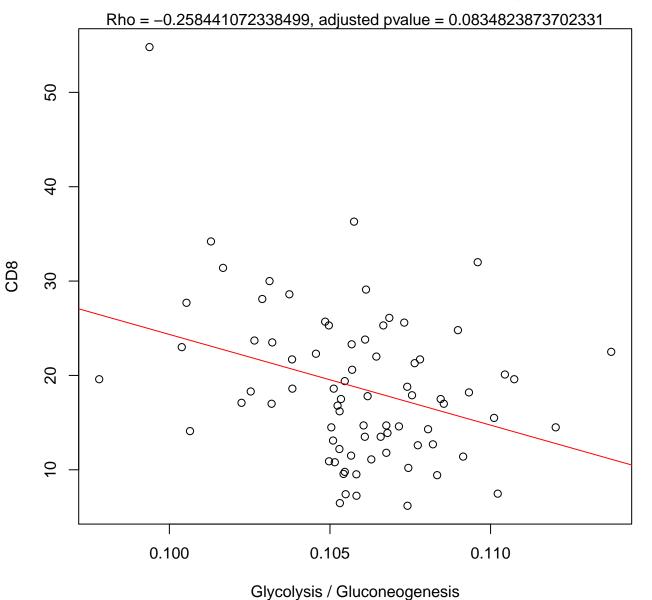
# Timepoint 1, CD8 ~ Glycerophospholipid metabolism



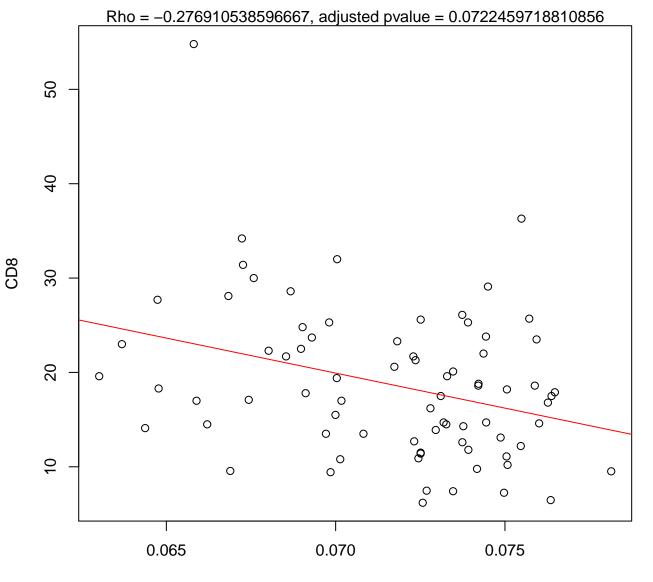
Timepoint 1, CD8 ~ Glycine, serine and threonine metabolism



## Timepoint 1, CD8 ~ Glycolysis / Gluconeogenesis

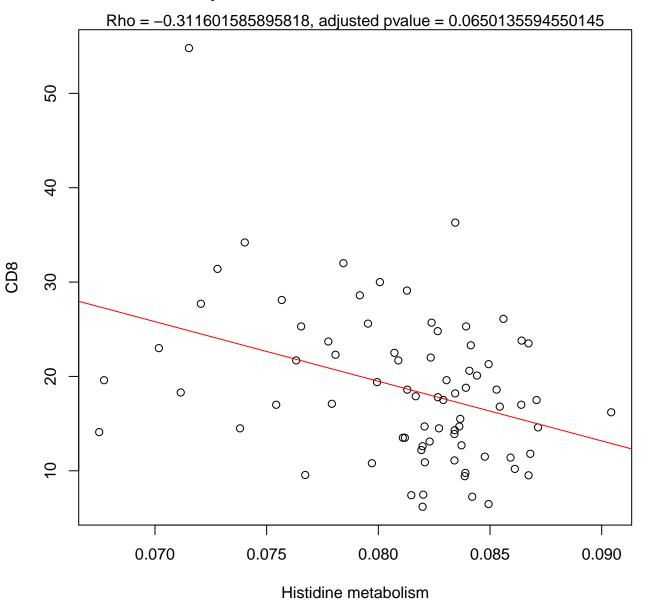


Timepoint 1, CD8 ~ Glyoxylate and dicarboxylate metabolism

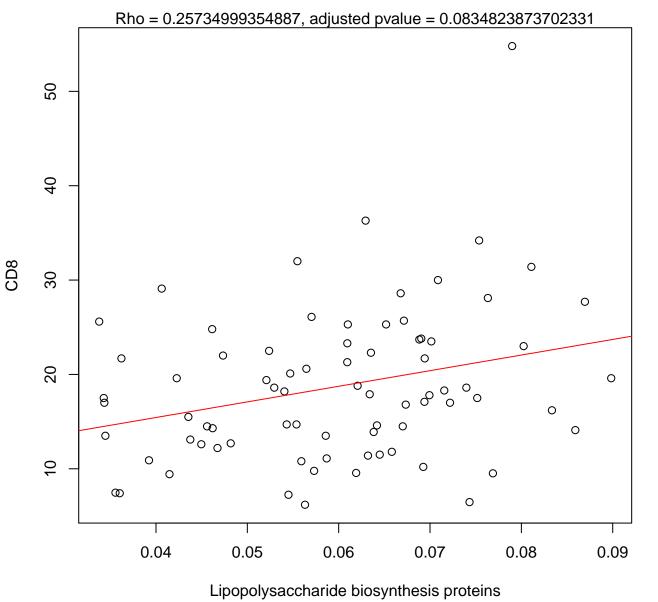


Glyoxylate and dicarboxylate metabolism

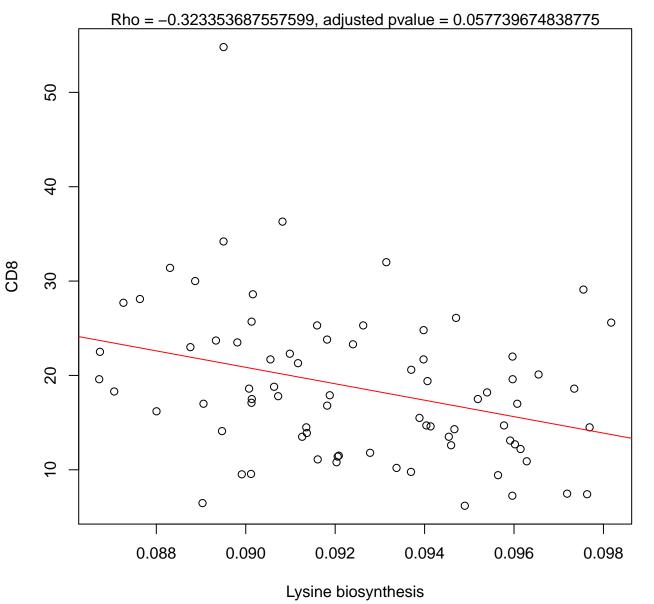
Timepoint 1, CD8 ~ Histidine metabolism



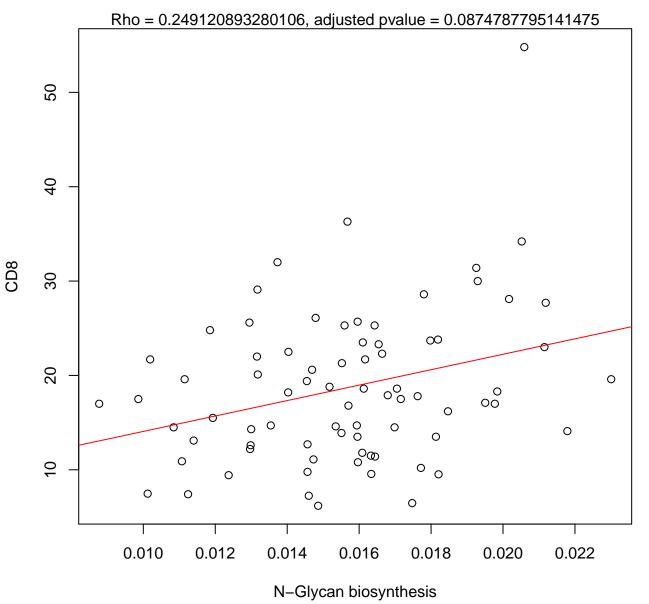
Timepoint 1, CD8 ~ Lipopolysaccharide biosynthesis proteins



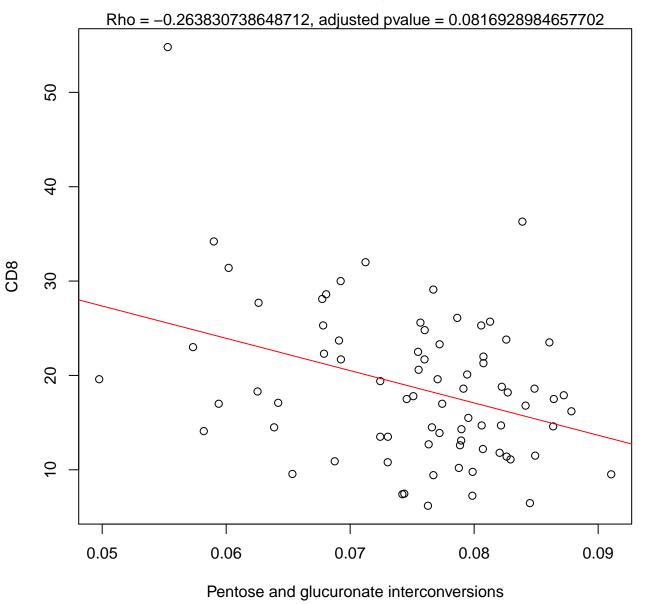
Timepoint 1, CD8 ~ Lysine biosynthesis



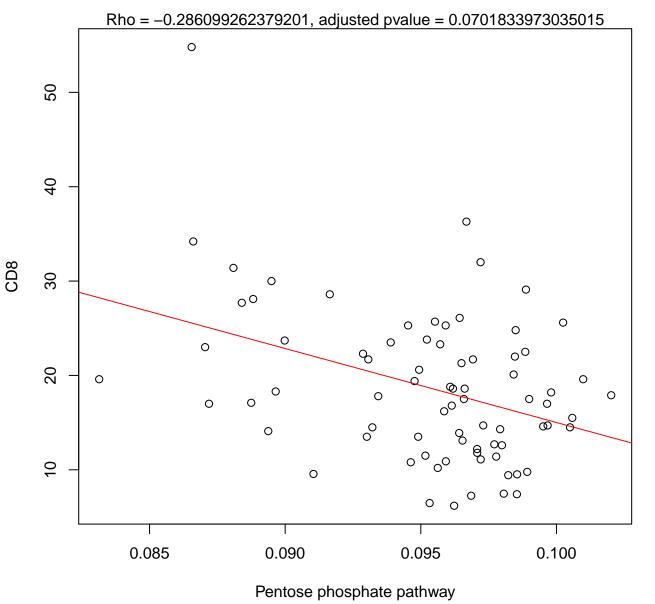
Timepoint 1, CD8 ~ N-Glycan biosynthesis



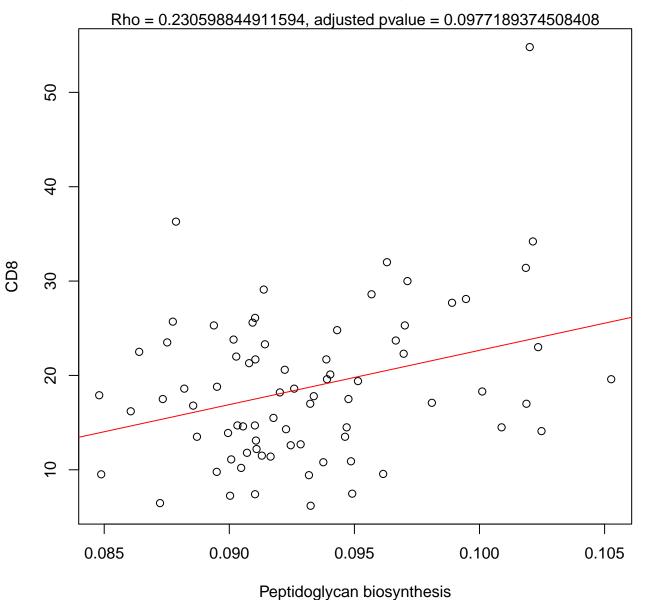
Timepoint 1, CD8 ~ Pentose and glucuronate interconversions



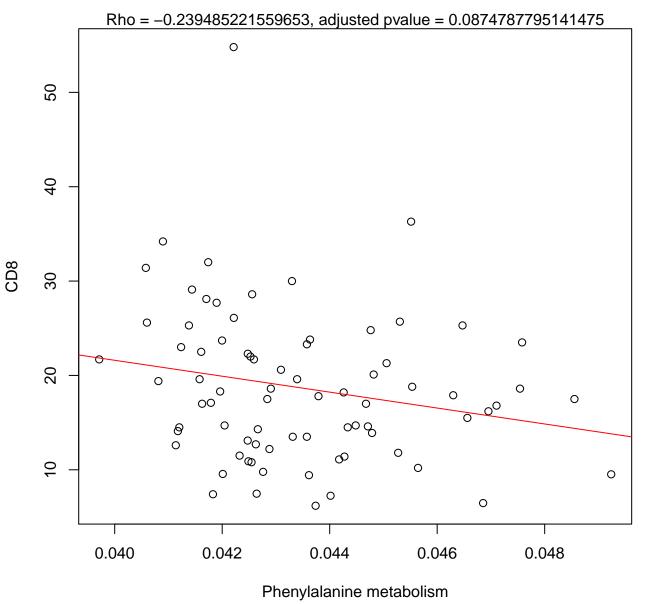
Timepoint 1, CD8 ~ Pentose phosphate pathway



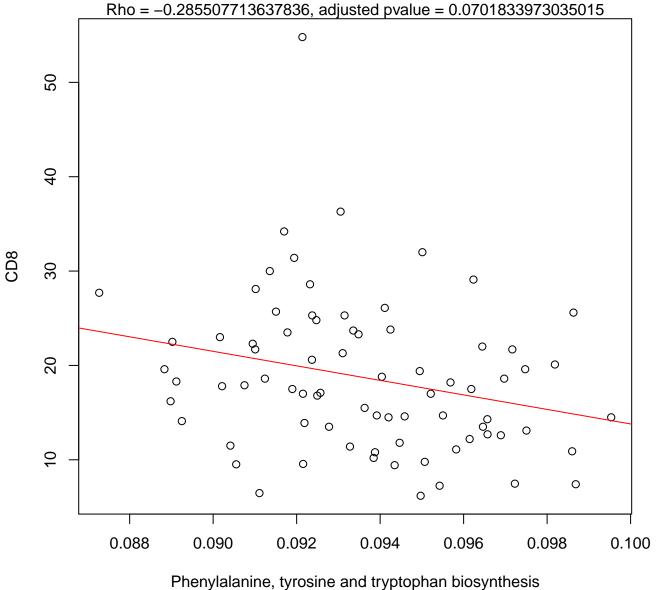
## Timepoint 1, CD8 ~ Peptidoglycan biosynthesis



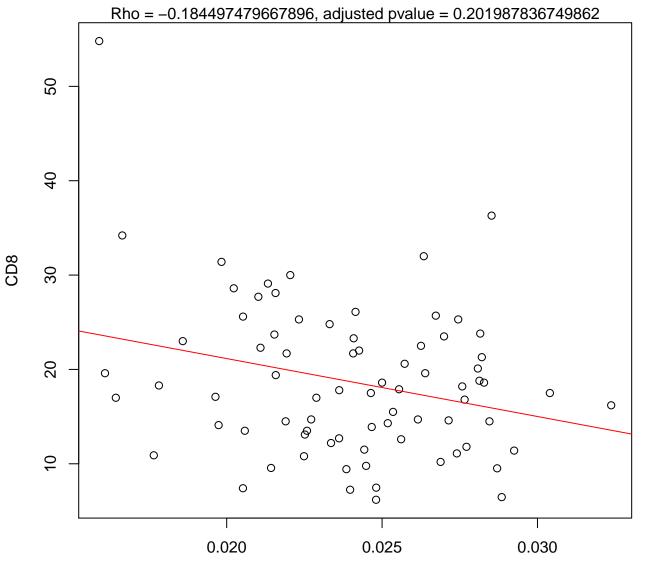
Timepoint 1, CD8 ~ Phenylalanine metabolism



Timepoint 1, CD8 ~ Phenylalanine, tyrosine and tryptophan biosynthesi

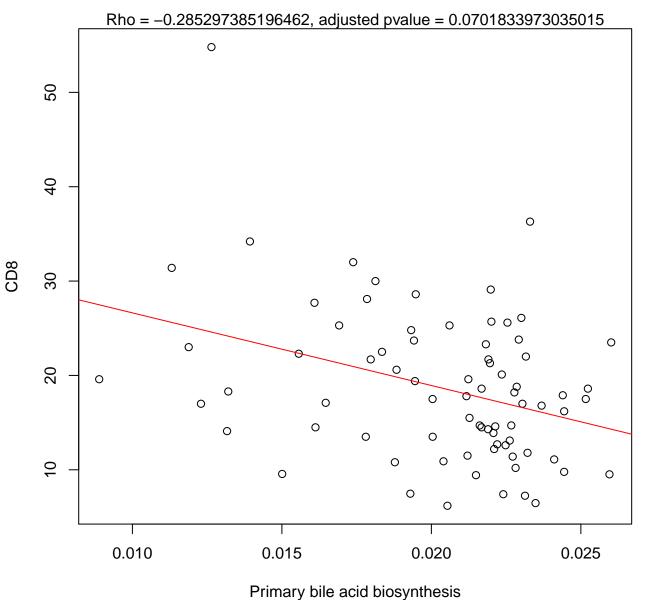


Timepoint 1, CD8 ~ Phosphonate and phosphinate metabolism

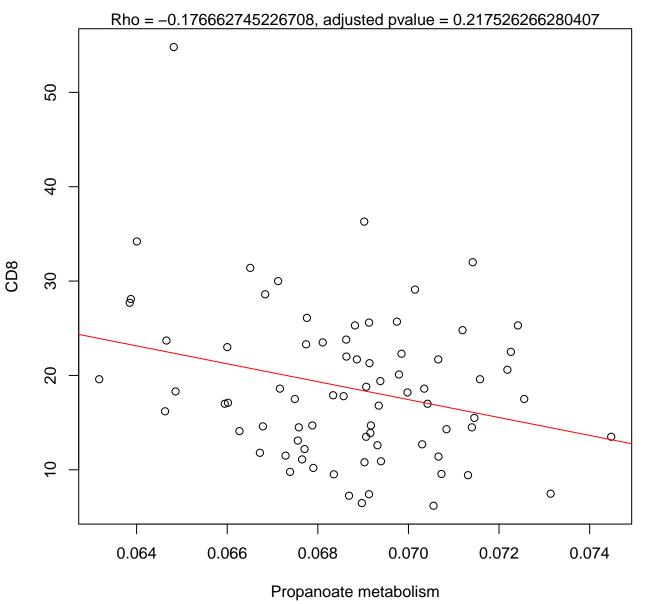


Phosphonate and phosphinate metabolism

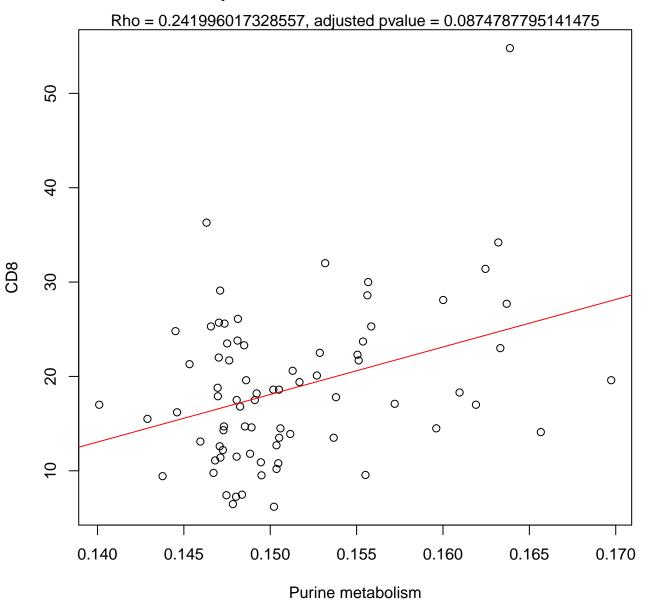
## Timepoint 1, CD8 ~ Primary bile acid biosynthesis



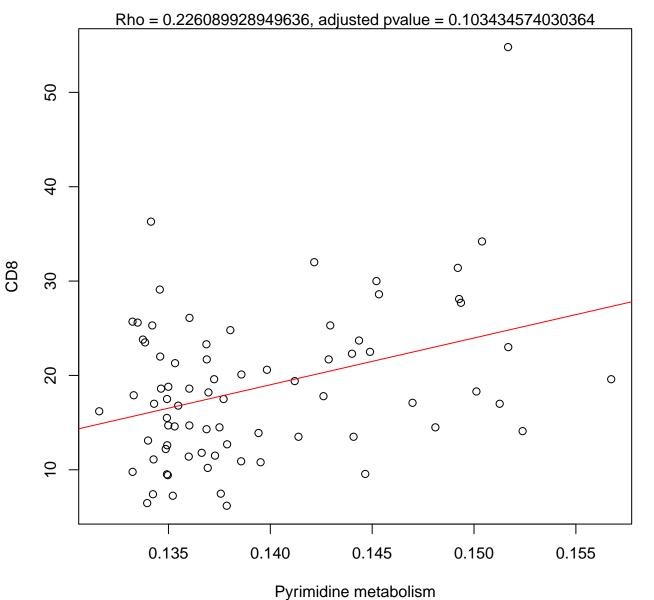
### Timepoint 1, CD8 ~ Propanoate metabolism



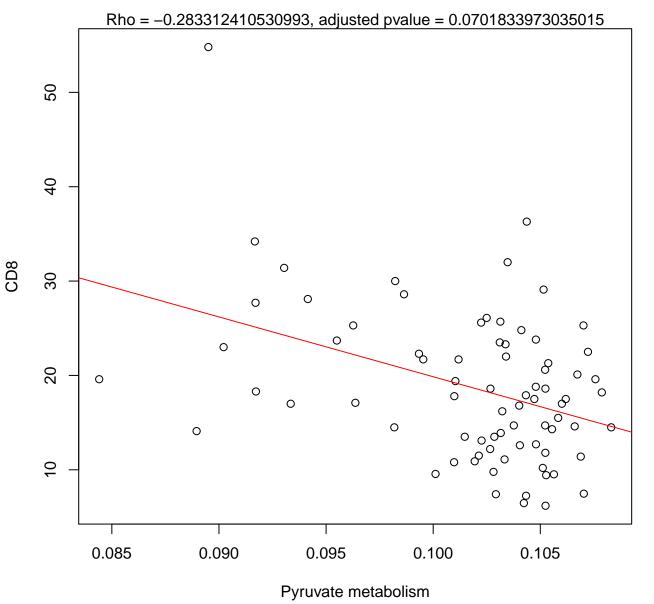
Timepoint 1, CD8 ~ Purine metabolism



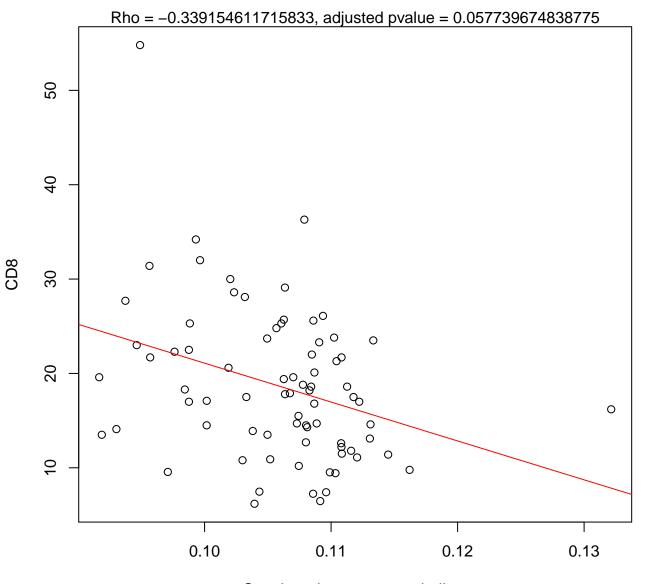
Timepoint 1, CD8 ~ Pyrimidine metabolism



Timepoint 1, CD8 ~ Pyruvate metabolism

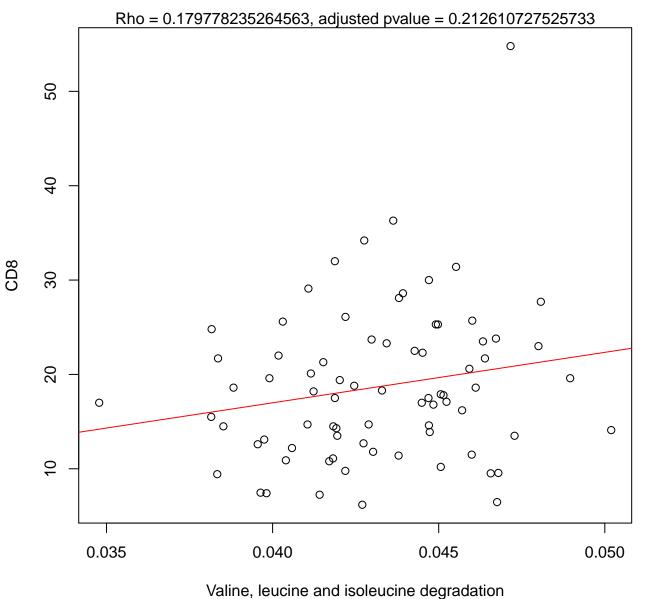


## Timepoint 1, CD8 ~ Starch and sucrose metabolism

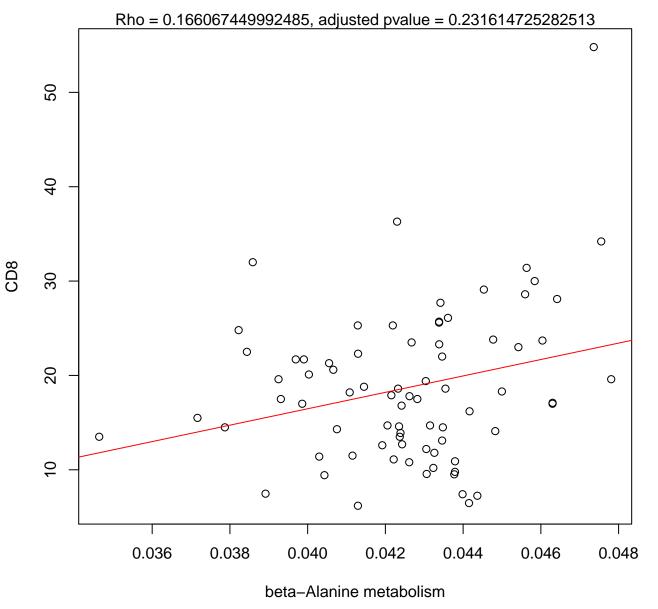


Starch and sucrose metabolism

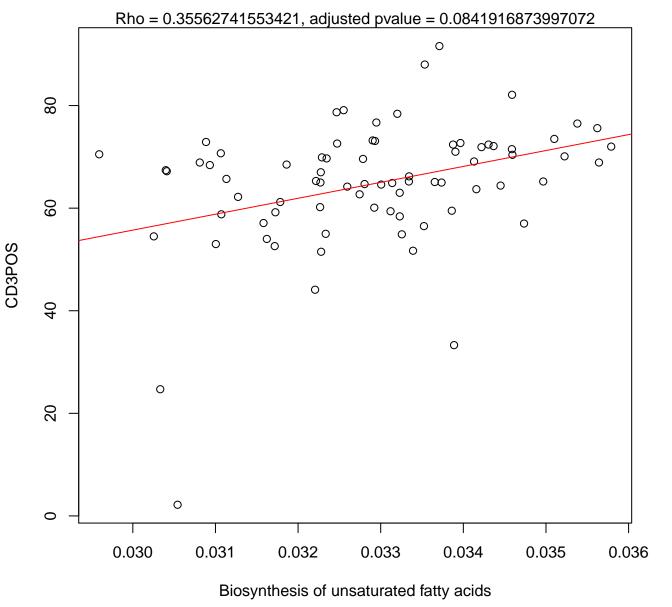
Timepoint 1, CD8 ~ Valine, leucine and isoleucine degradation



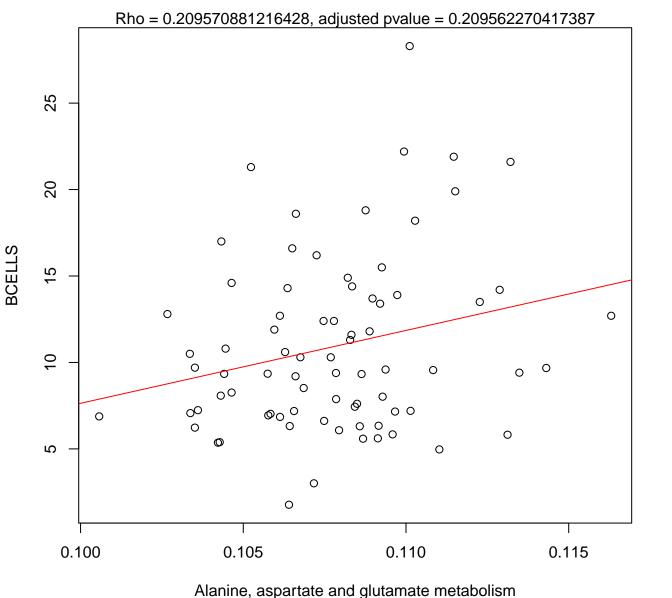
### Timepoint 1, CD8 ~ beta-Alanine metabolism



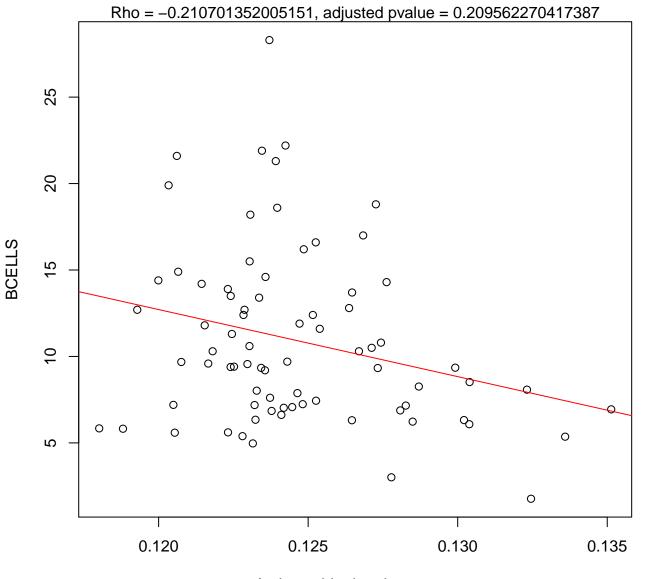
Timepoint 1, CD3POS ~ Biosynthesis of unsaturated fatty acids



Timepoint 1, BCELLS ~ Alanine, aspartate and glutamate metabolism

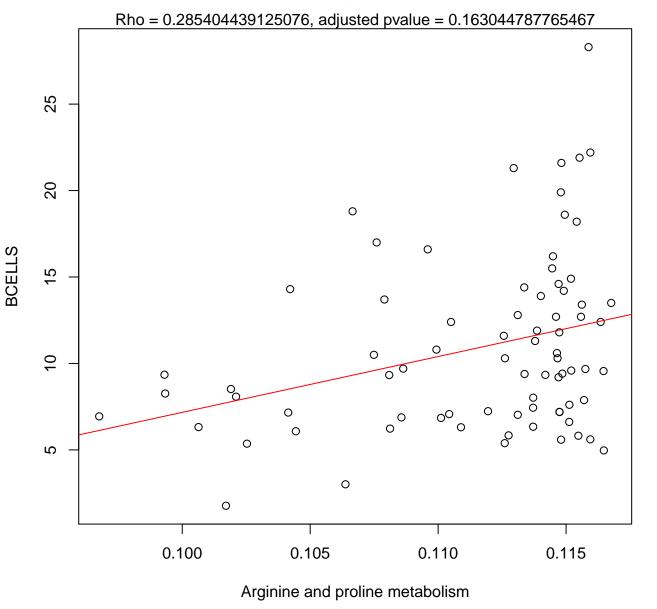


Timepoint 1, BCELLS ~ Amino acid related enzymes

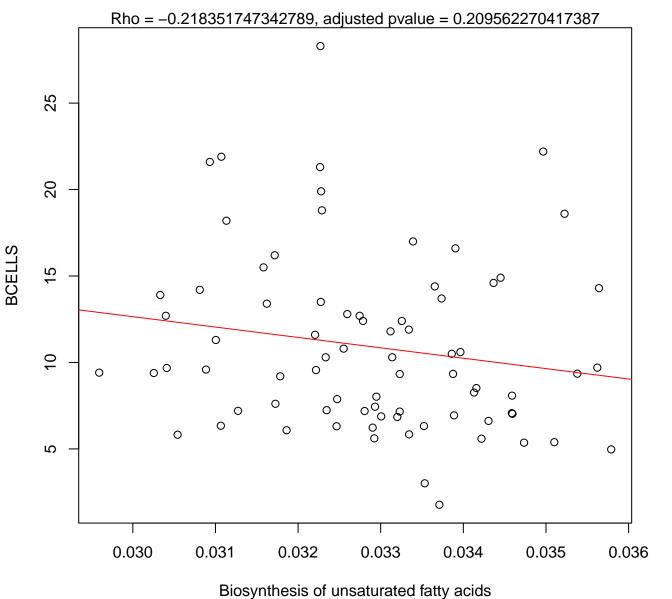


Amino acid related enzymes

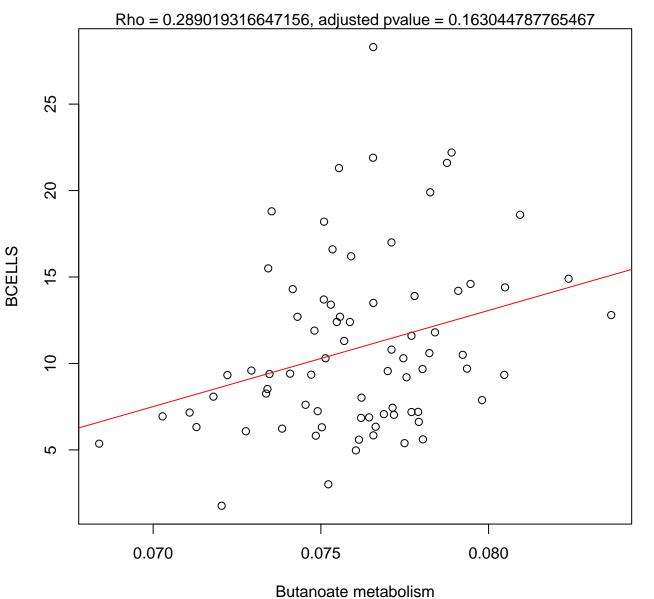
Timepoint 1, BCELLS ~ Arginine and proline metabolism



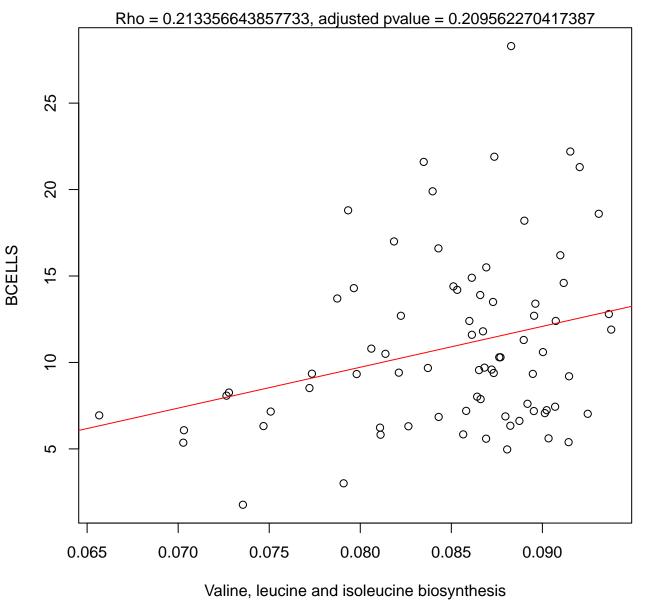
Timepoint 1, BCELLS ~ Biosynthesis of unsaturated fatty acids



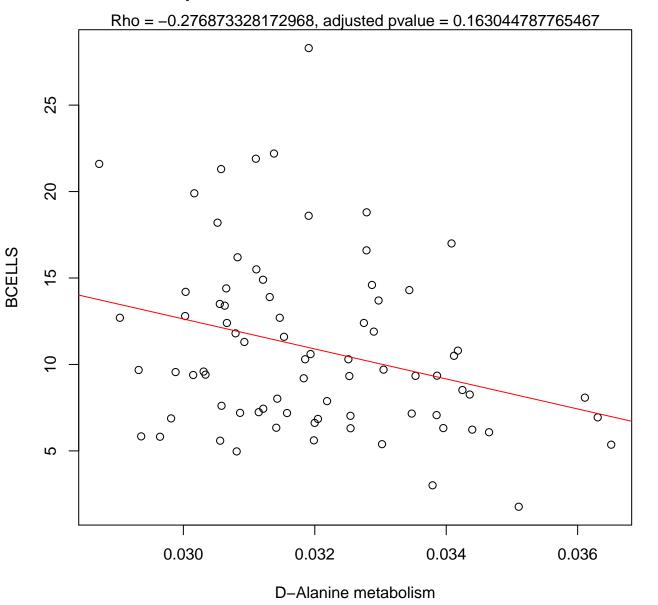
### Timepoint 1, BCELLS ~ Butanoate metabolism



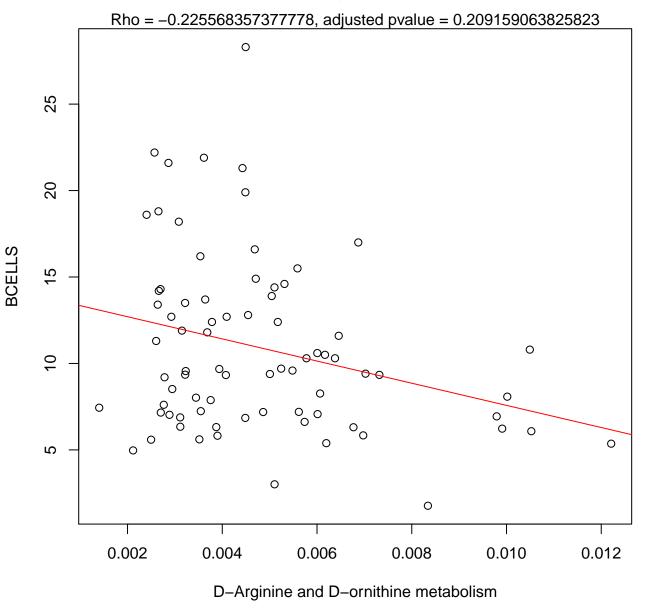
Timepoint 1, BCELLS ~ Valine, leucine and isoleucine biosynthesis



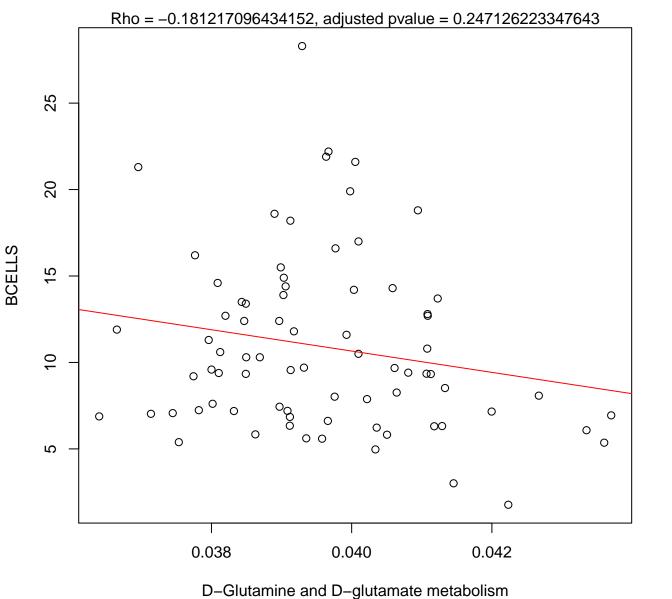
#### Timepoint 1, BCELLS ~ D-Alanine metabolism



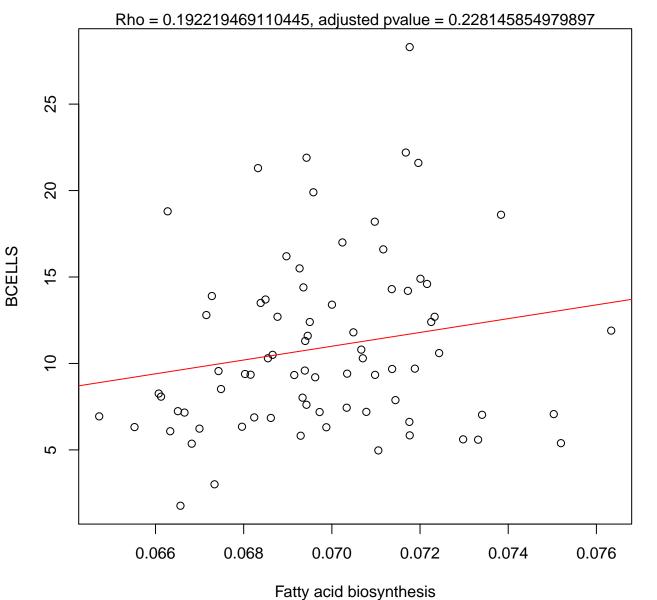
Timepoint 1, BCELLS ~ D-Arginine and D-ornithine metabolism



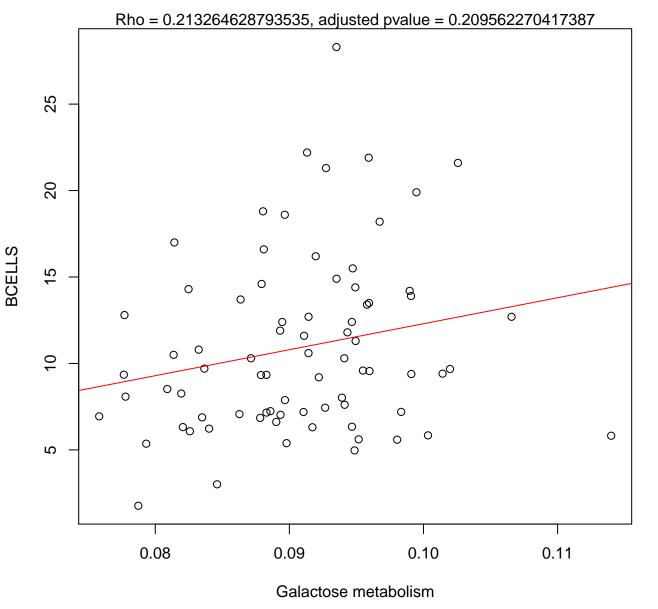
# Timepoint 1, BCELLS ~ D-Glutamine and D-glutamate metabolism



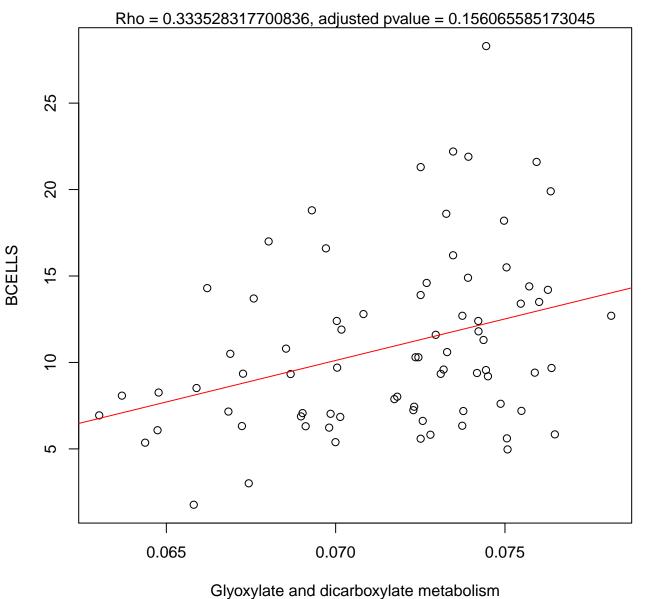
### Timepoint 1, BCELLS ~ Fatty acid biosynthesis



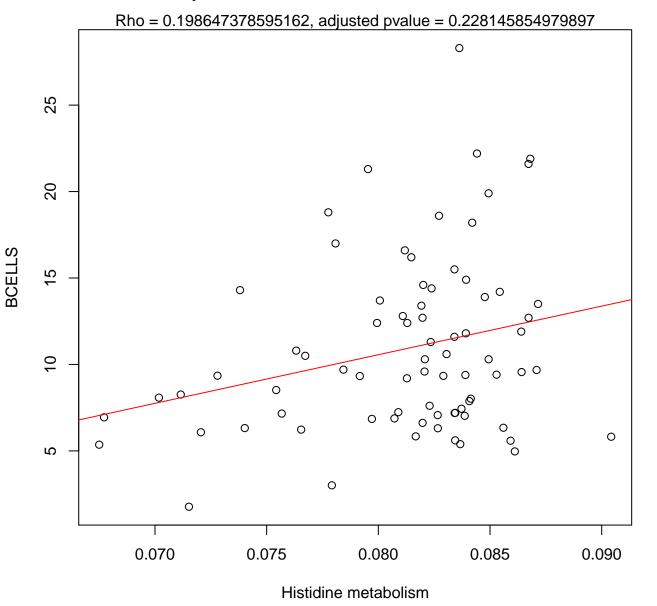
Timepoint 1, BCELLS ~ Galactose metabolism



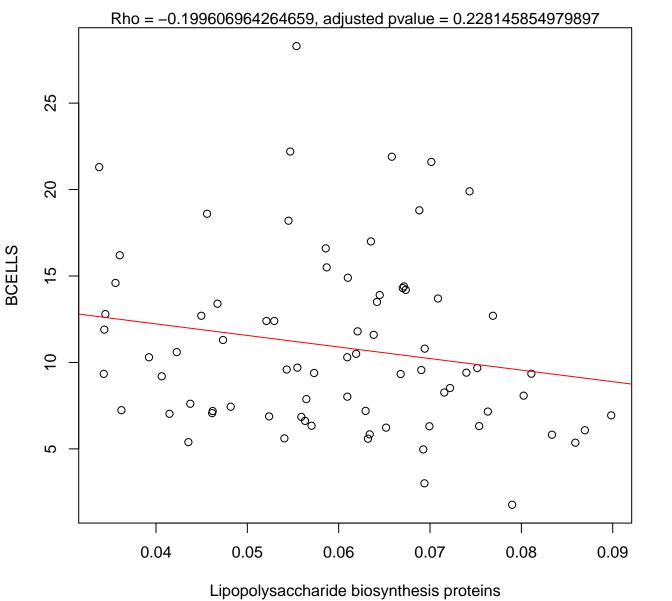
Timepoint 1, BCELLS ~ Glyoxylate and dicarboxylate metabolism



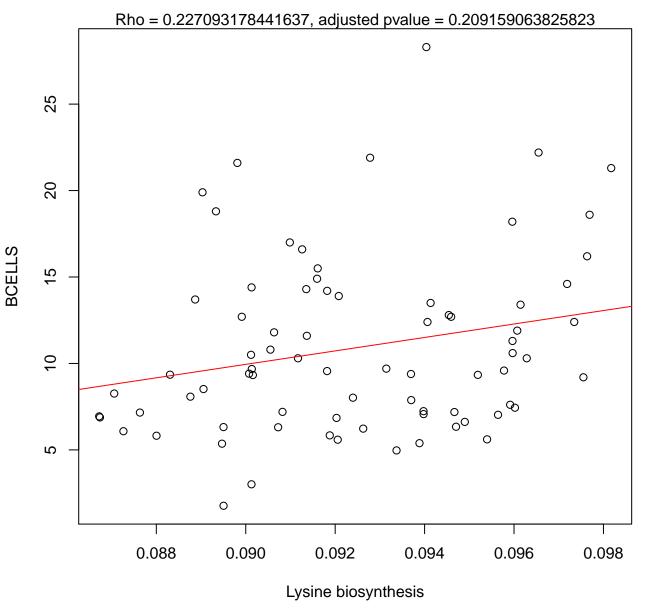
Timepoint 1, BCELLS ~ Histidine metabolism



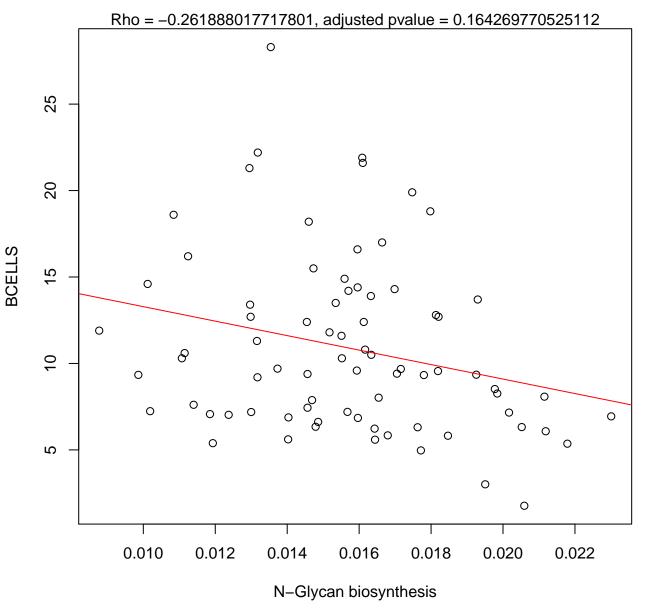
Timepoint 1, BCELLS ~ Lipopolysaccharide biosynthesis proteins



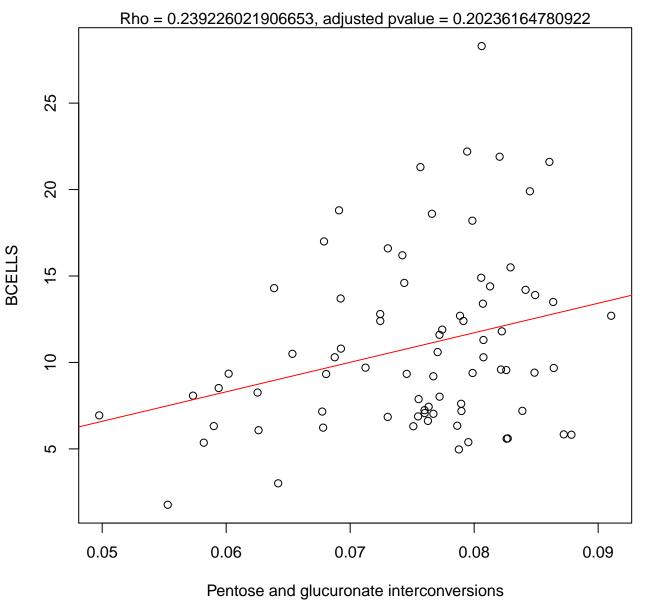
Timepoint 1, BCELLS ~ Lysine biosynthesis



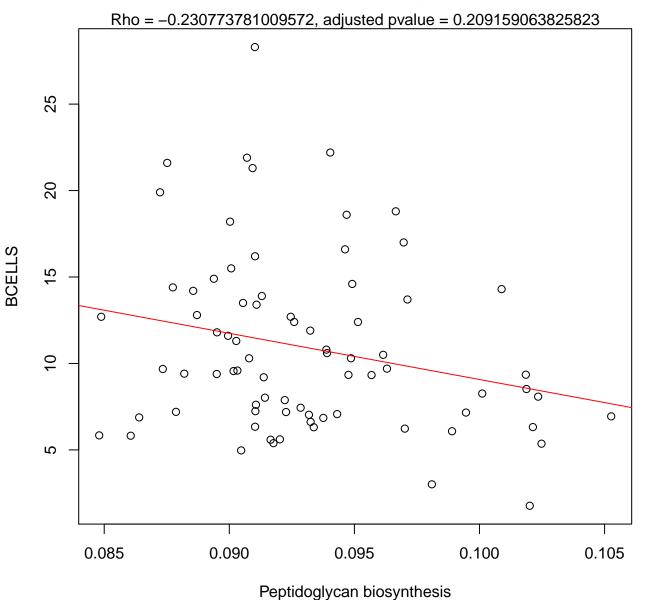
# Timepoint 1, BCELLS ~ N-Glycan biosynthesis



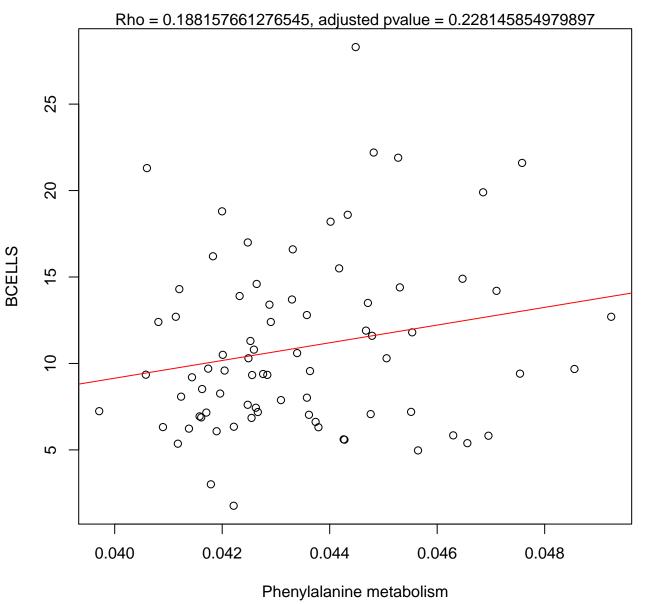
Timepoint 1, BCELLS ~ Pentose and glucuronate interconversions



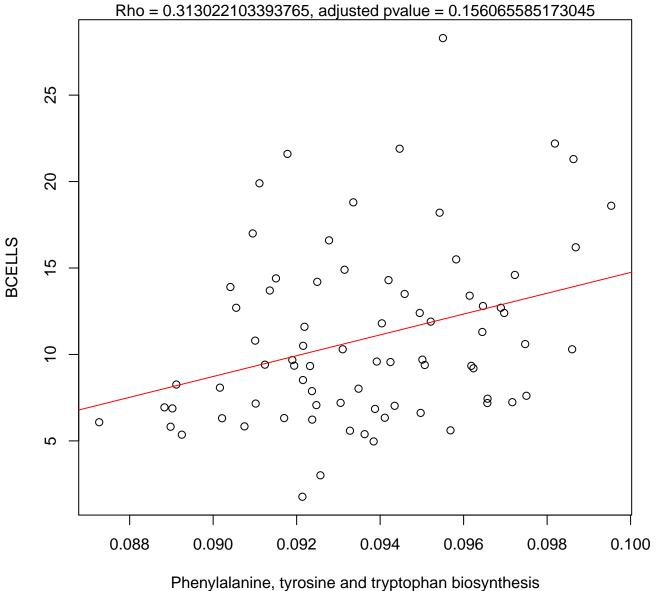
Timepoint 1, BCELLS ~ Peptidoglycan biosynthesis



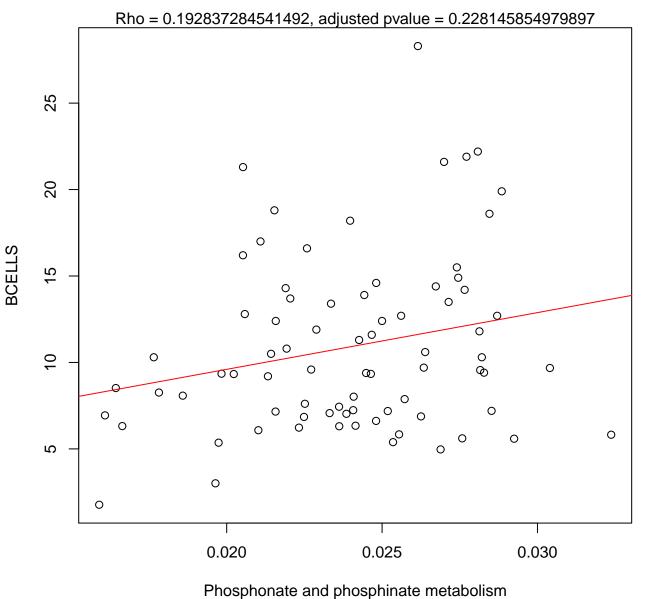
Timepoint 1, BCELLS ~ Phenylalanine metabolism



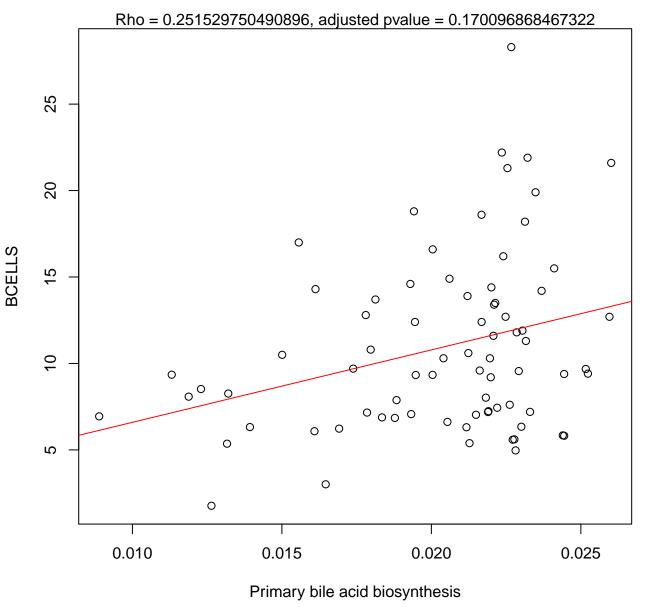
Timepoint 1, BCELLS ~ Phenylalanine, tyrosine and tryptophan biosynthe



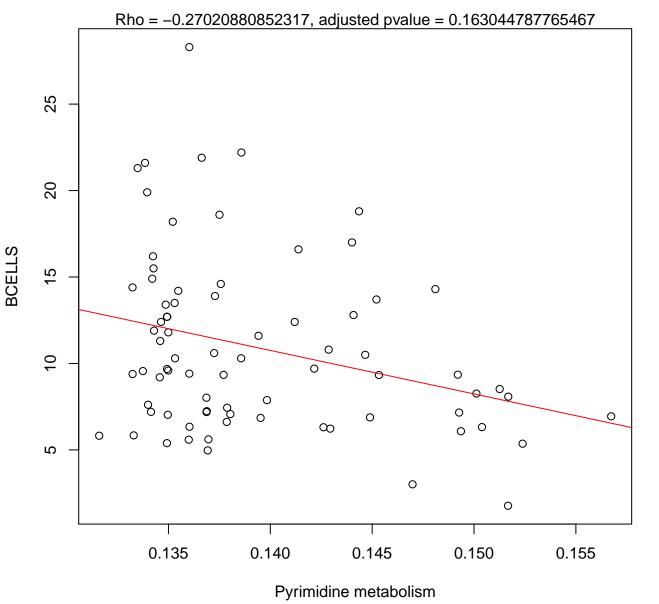
Timepoint 1, BCELLS ~ Phosphonate and phosphinate metabolism



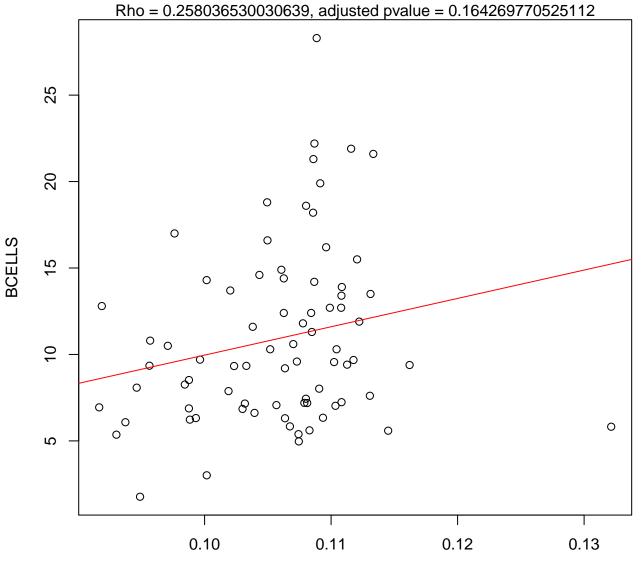
Timepoint 1, BCELLS ~ Primary bile acid biosynthesis



### Timepoint 1, BCELLS ~ Pyrimidine metabolism

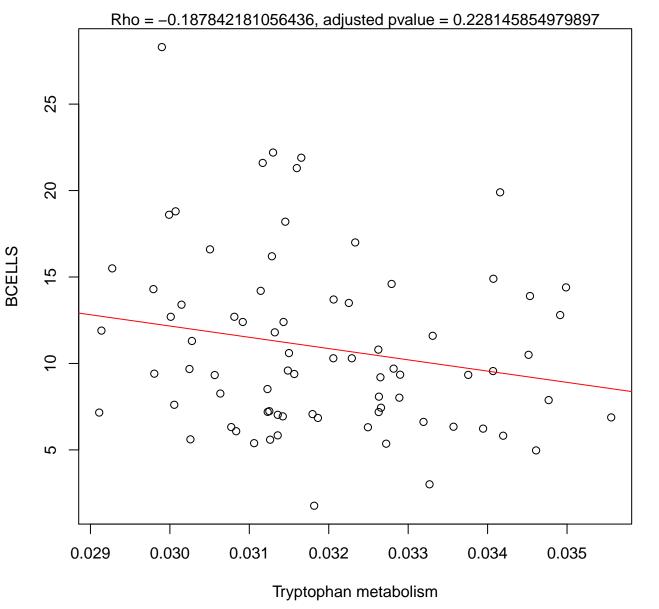


Timepoint 1, BCELLS ~ Starch and sucrose metabolism

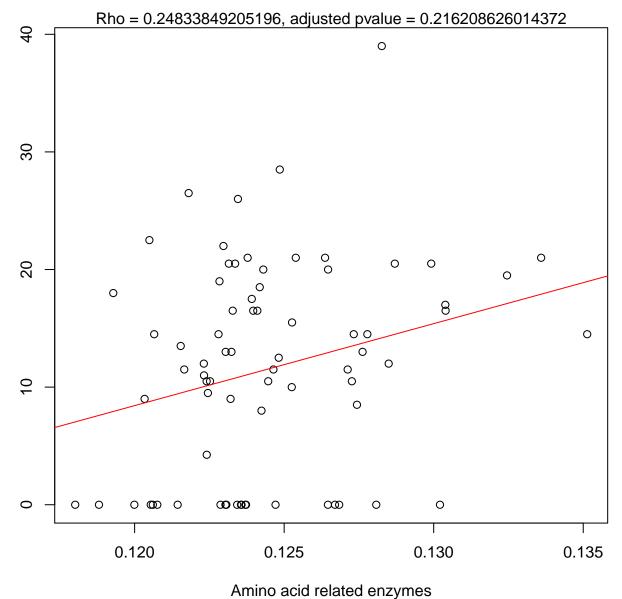


Starch and sucrose metabolism

### Timepoint 1, BCELLS ~ Tryptophan metabolism

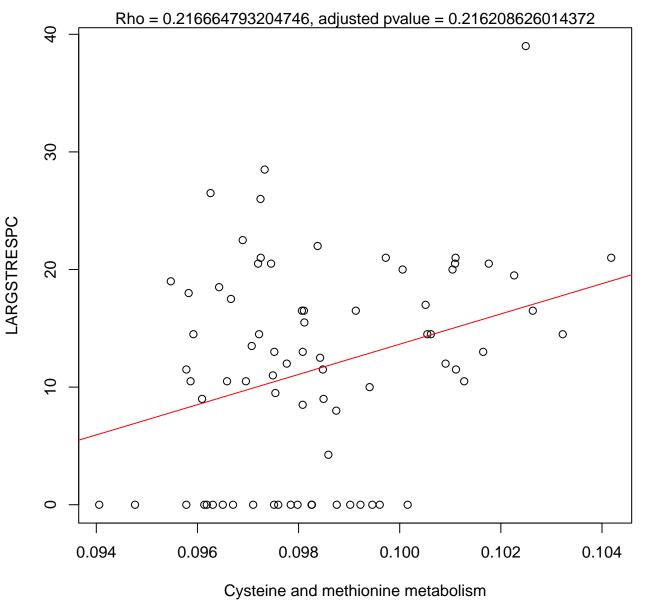


Timepoint 1, LARGSTRESPC ~ Amino acid related enzymes

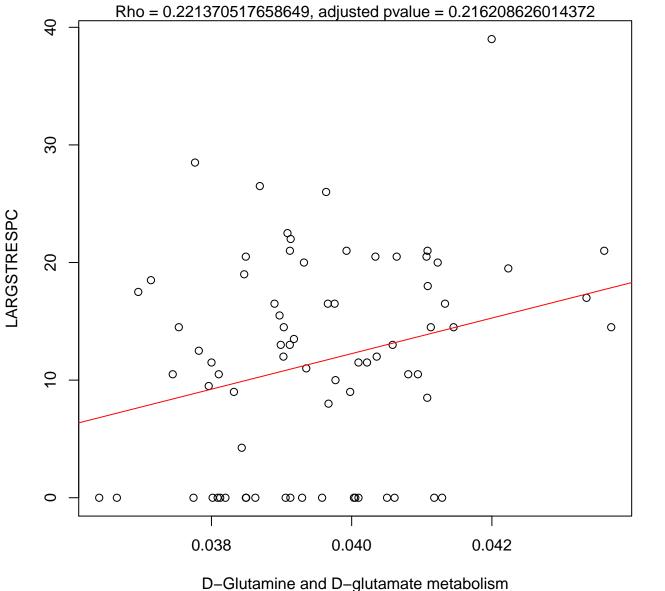


LARGSTRESPC

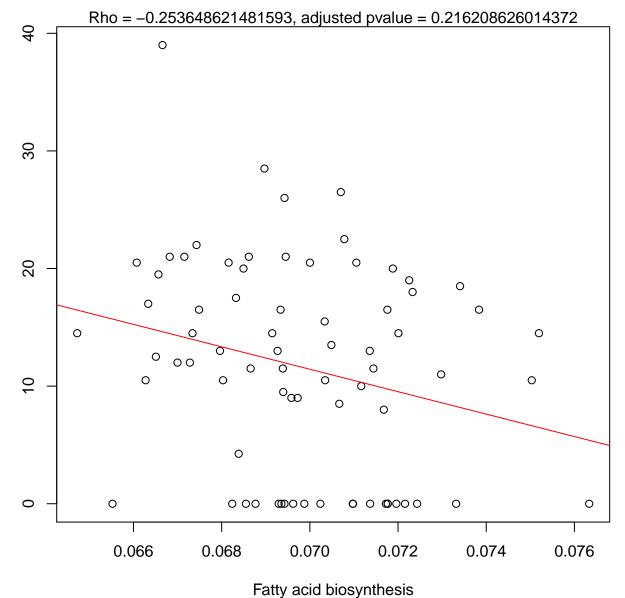
Timepoint 1, LARGSTRESPC ~ Cysteine and methionine metabolism



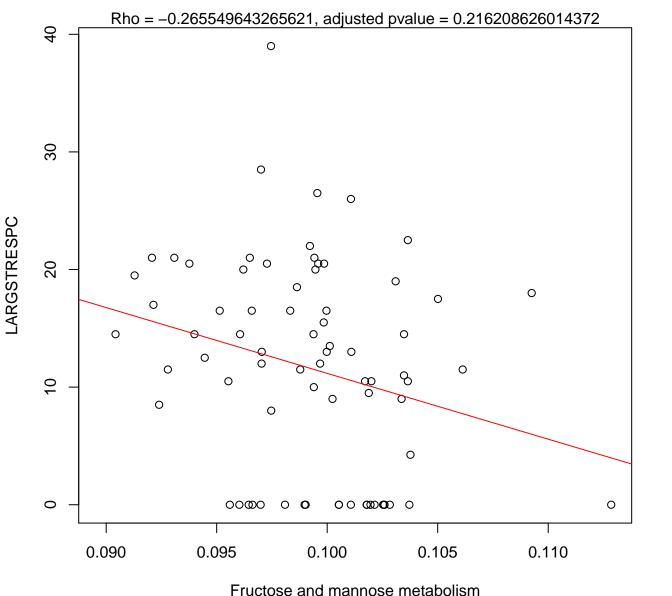
Timepoint 1, LARGSTRESPC ~ D-Glutamine and D-glutamate metabolis



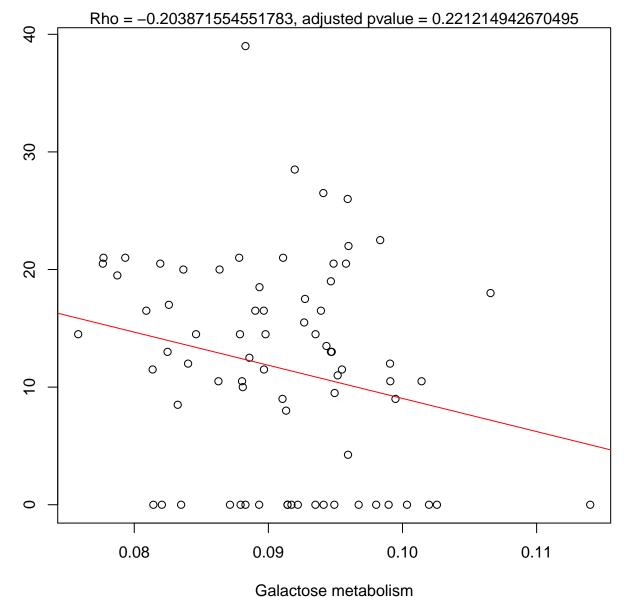
Timepoint 1, LARGSTRESPC ~ Fatty acid biosynthesis



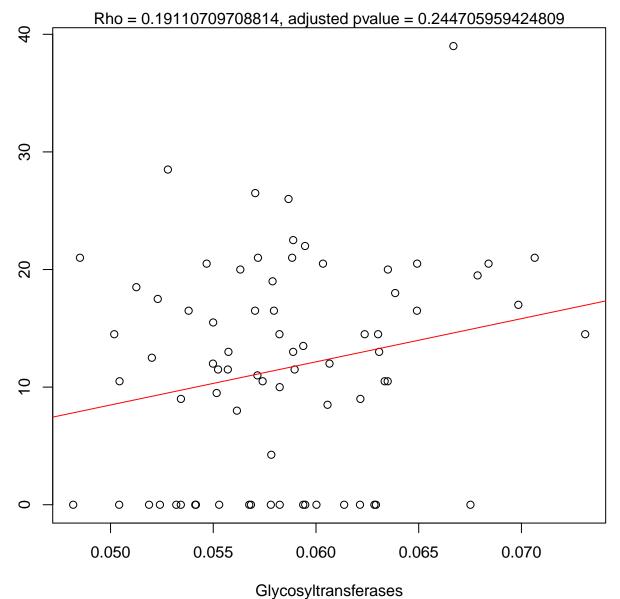
Timepoint 1, LARGSTRESPC ~ Fructose and mannose metabolism



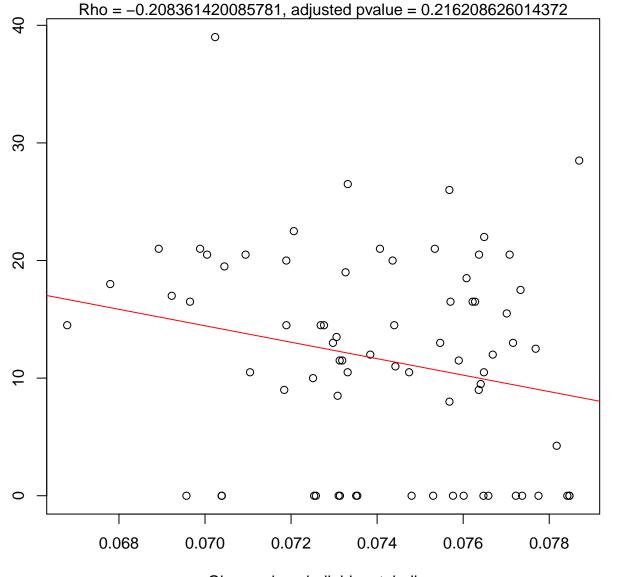
Timepoint 1, LARGSTRESPC ~ Galactose metabolism



### Timepoint 1, LARGSTRESPC ~ Glycosyltransferases

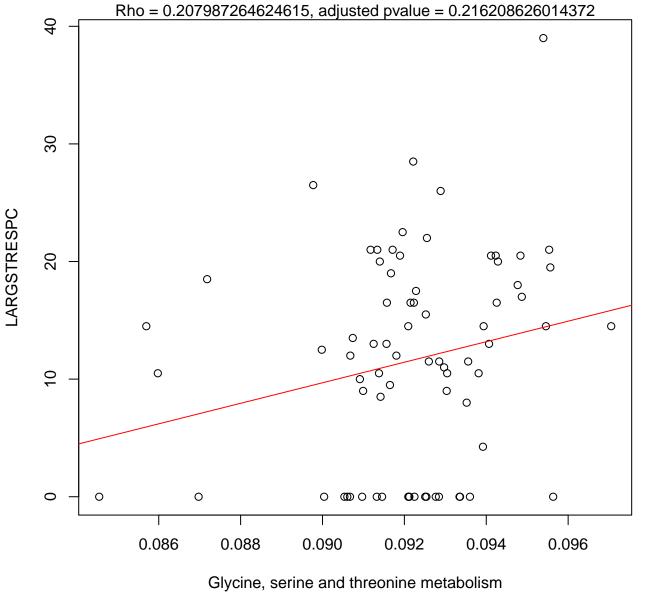


Timepoint 1, LARGSTRESPC ~ Glycerophospholipid metabolism

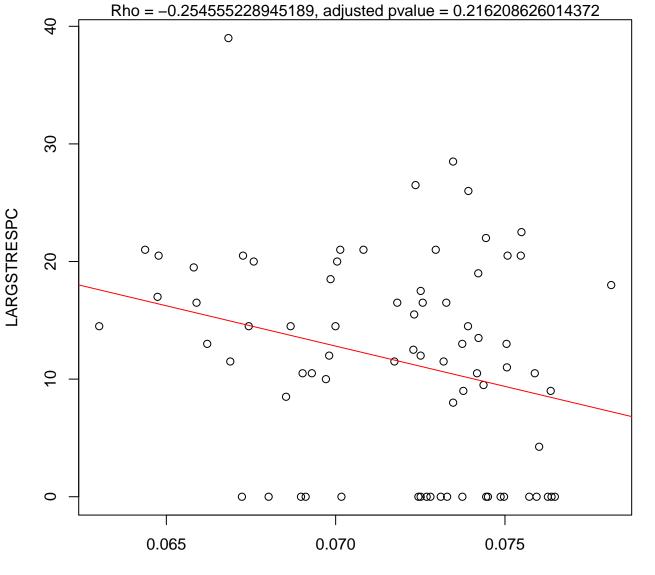


Glycerophospholipid metabolism

Timepoint 1, LARGSTRESPC ~ Glycine, serine and threonine metabolis

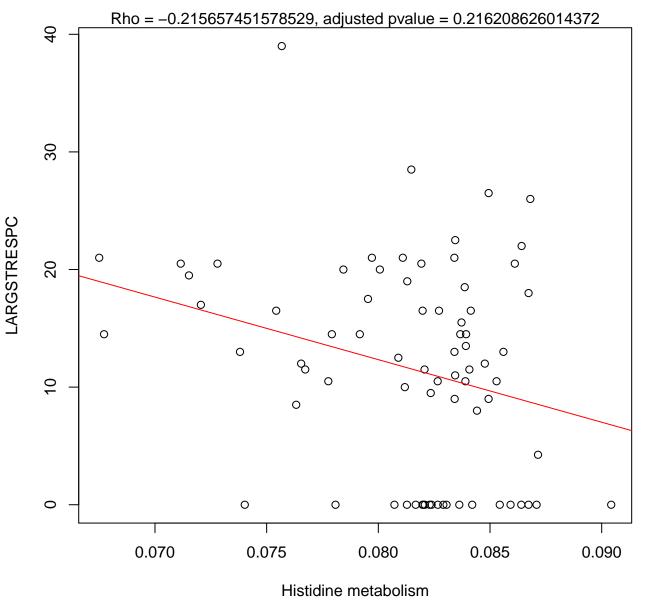


Timepoint 1, LARGSTRESPC ~ Glyoxylate and dicarboxylate metabolism

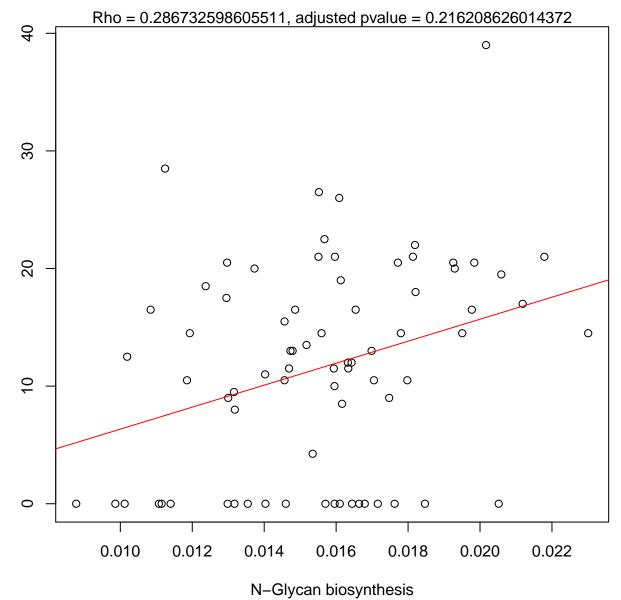


Glyoxylate and dicarboxylate metabolism

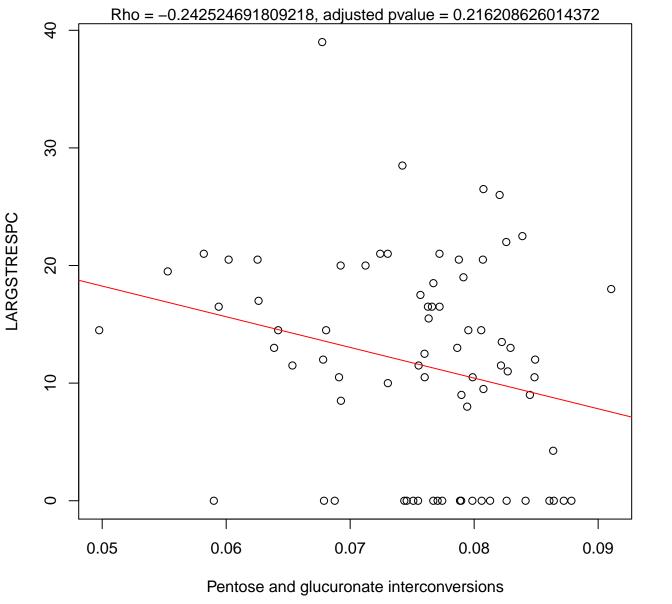
Timepoint 1, LARGSTRESPC ~ Histidine metabolism



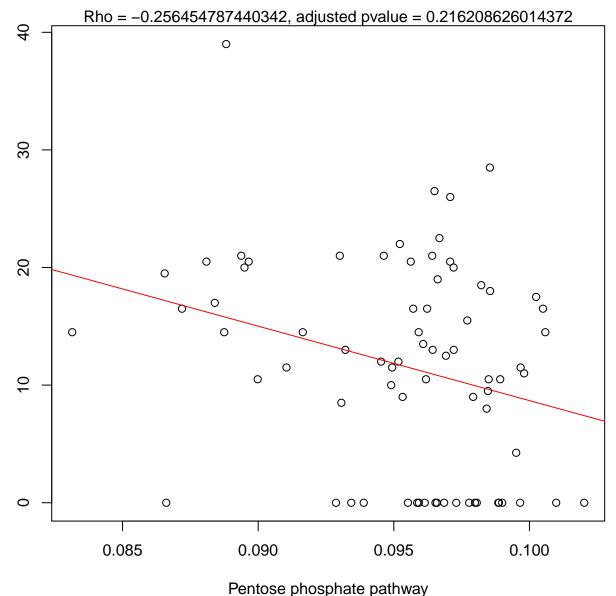
Timepoint 1, LARGSTRESPC ~ N-Glycan biosynthesis



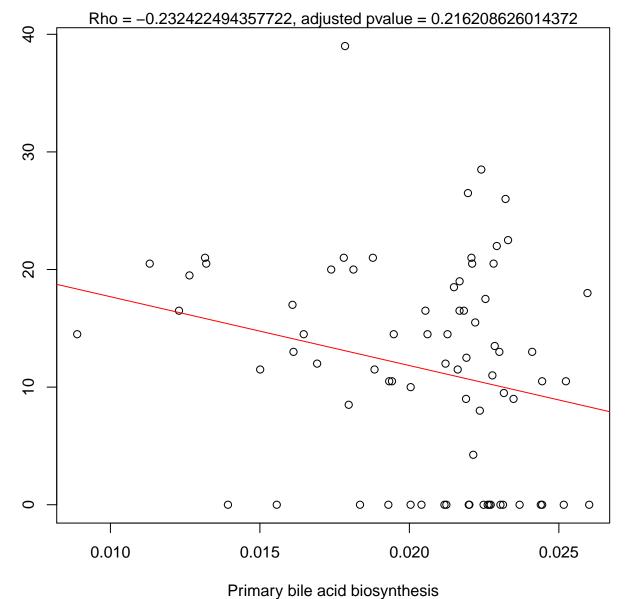
# Timepoint 1, LARGSTRESPC ~ Pentose and glucuronate interconversion



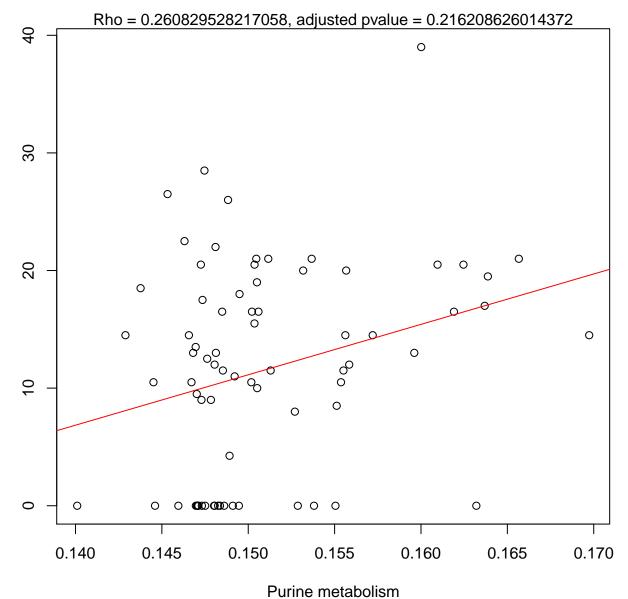
Timepoint 1, LARGSTRESPC ~ Pentose phosphate pathway



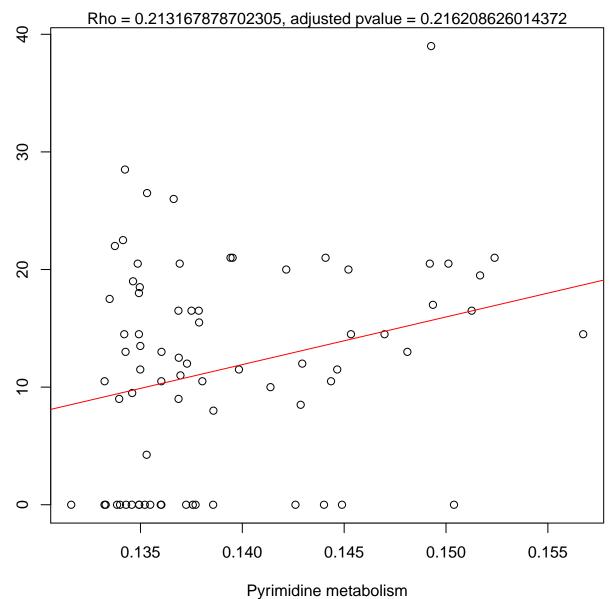
Timepoint 1, LARGSTRESPC ~ Primary bile acid biosynthesis



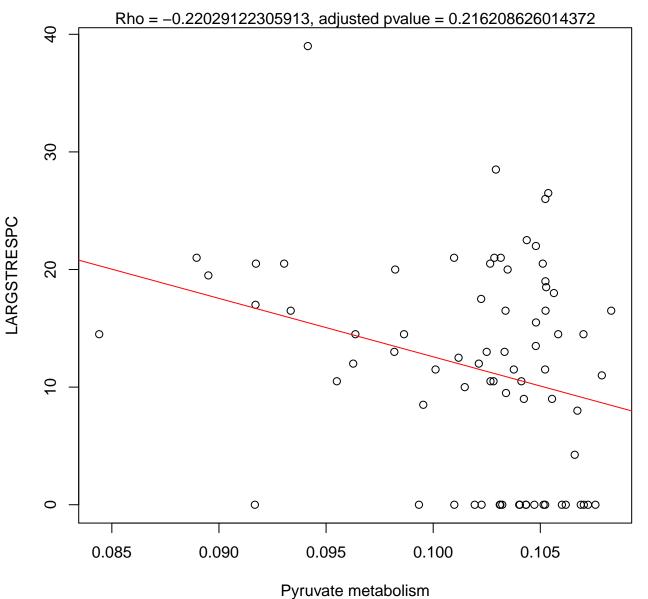
Timepoint 1, LARGSTRESPC ~ Purine metabolism



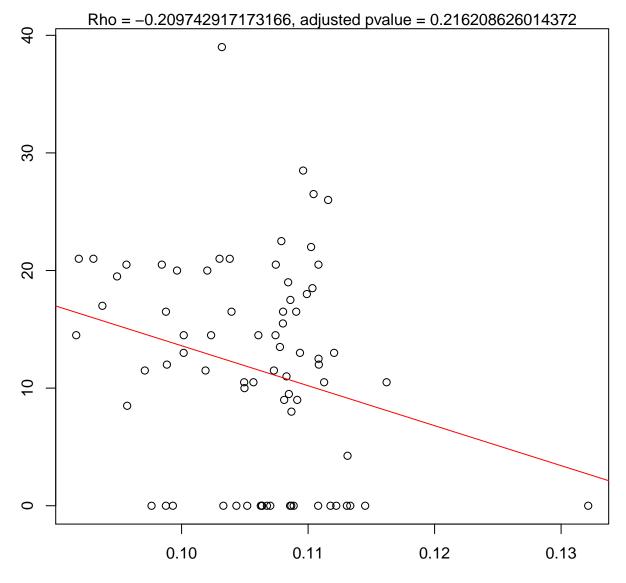
## Timepoint 1, LARGSTRESPC ~ Pyrimidine metabolism



Timepoint 1, LARGSTRESPC ~ Pyruvate metabolism

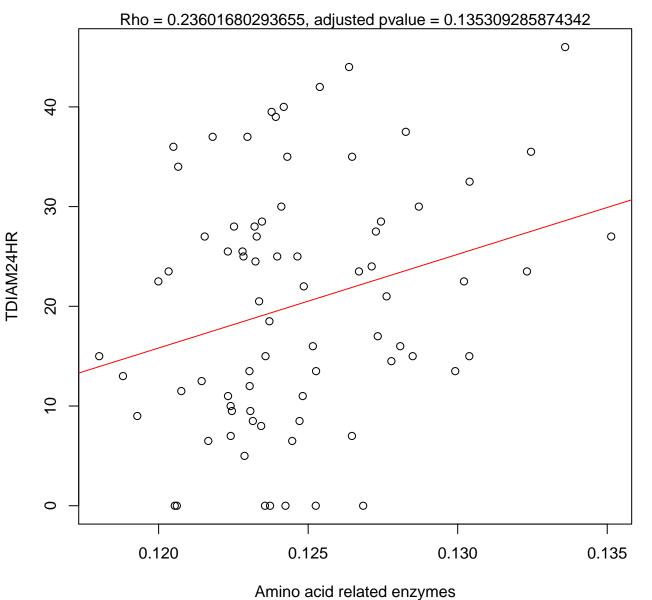


Timepoint 1, LARGSTRESPC ~ Starch and sucrose metabolism

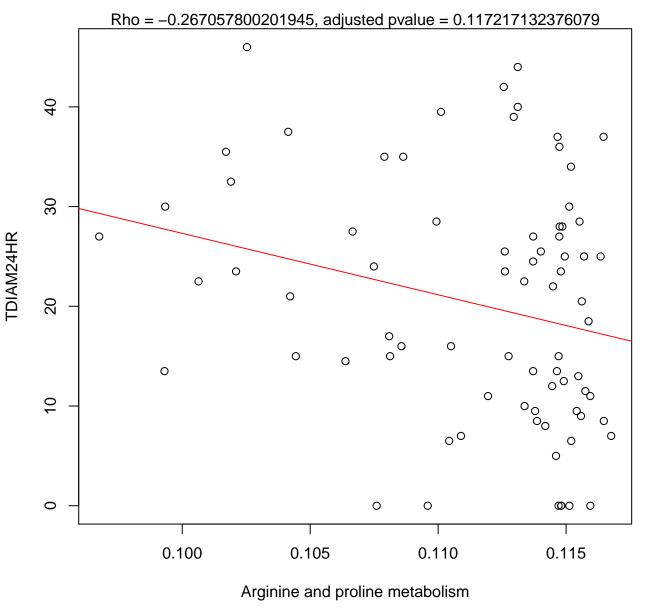


Starch and sucrose metabolism

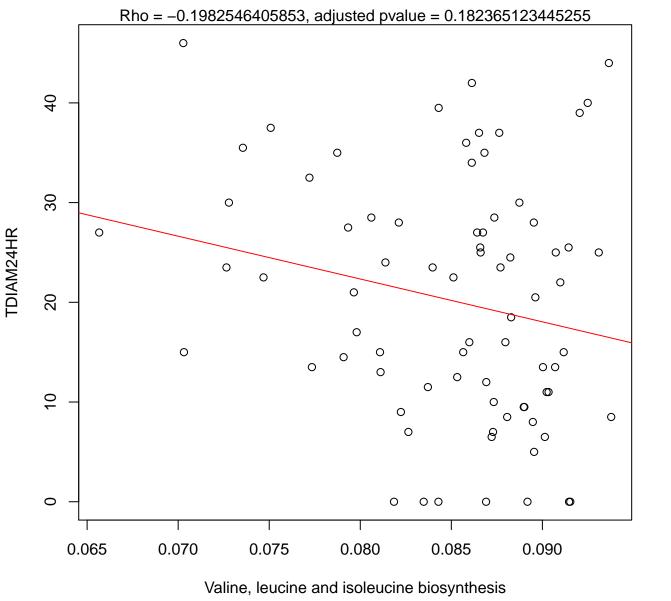
#### Timepoint 1, TDIAM24HR ~ Amino acid related enzymes



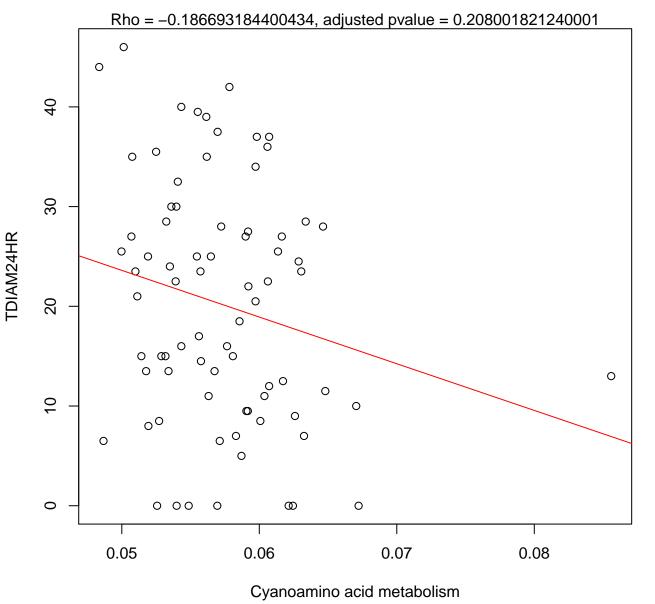
Timepoint 1, TDIAM24HR ~ Arginine and proline metabolism



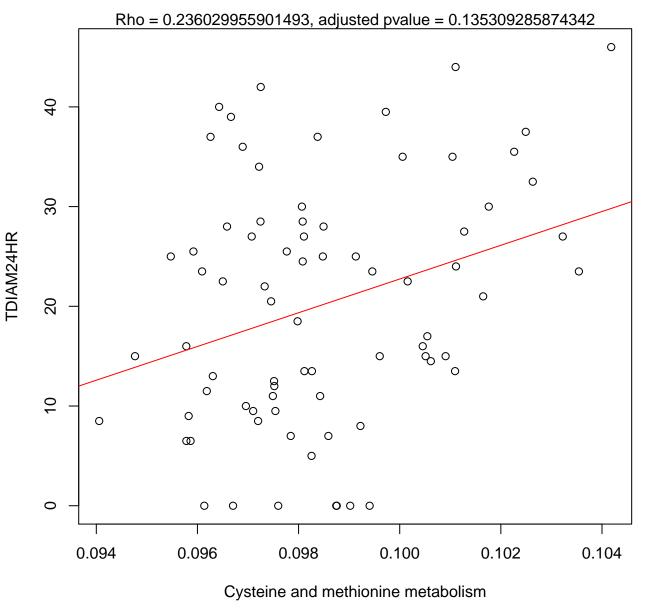
Timepoint 1, TDIAM24HR ~ Valine, leucine and isoleucine biosynthesis



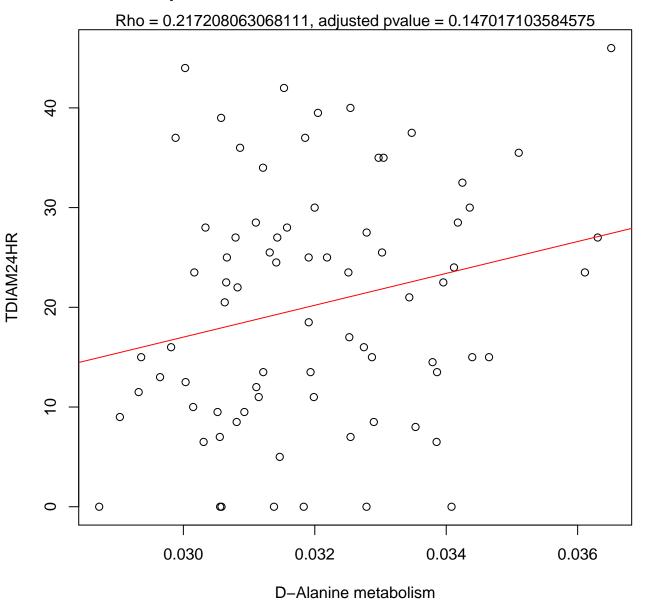
Timepoint 1, TDIAM24HR ~ Cyanoamino acid metabolism



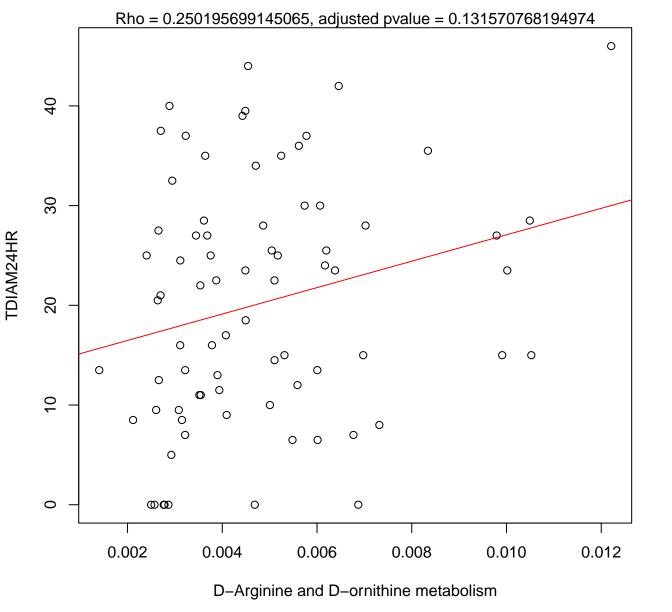
Timepoint 1, TDIAM24HR ~ Cysteine and methionine metabolism



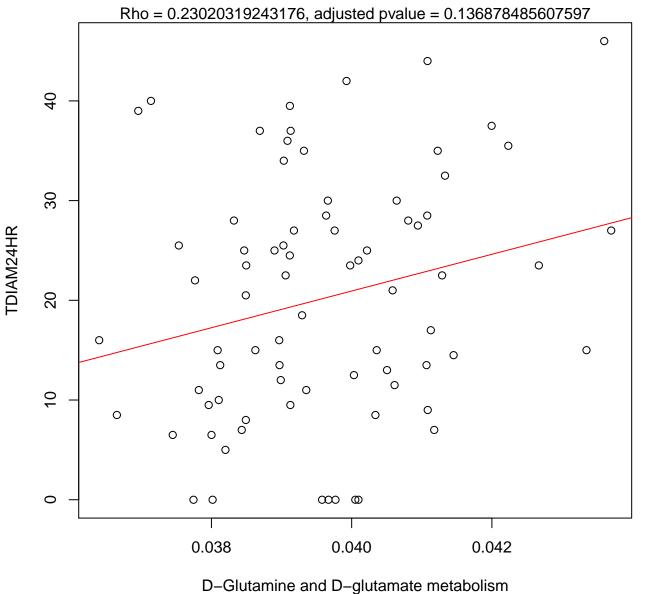
#### Timepoint 1, TDIAM24HR ~ D-Alanine metabolism



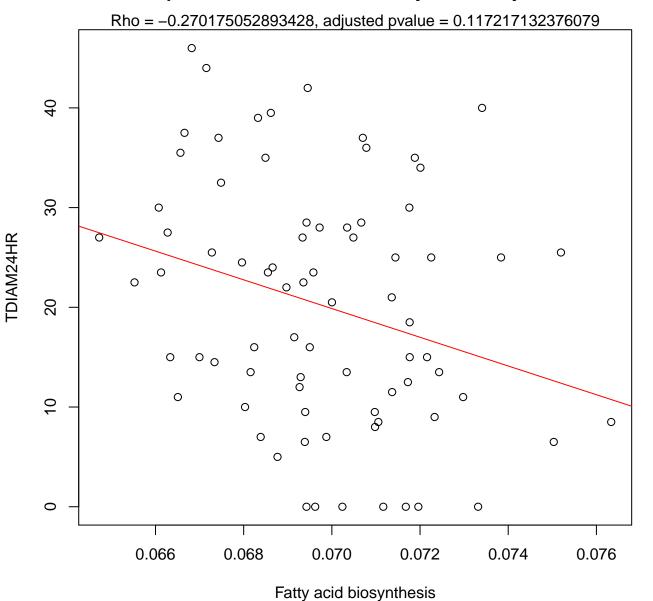
Timepoint 1, TDIAM24HR ~ D-Arginine and D-ornithine metabolism



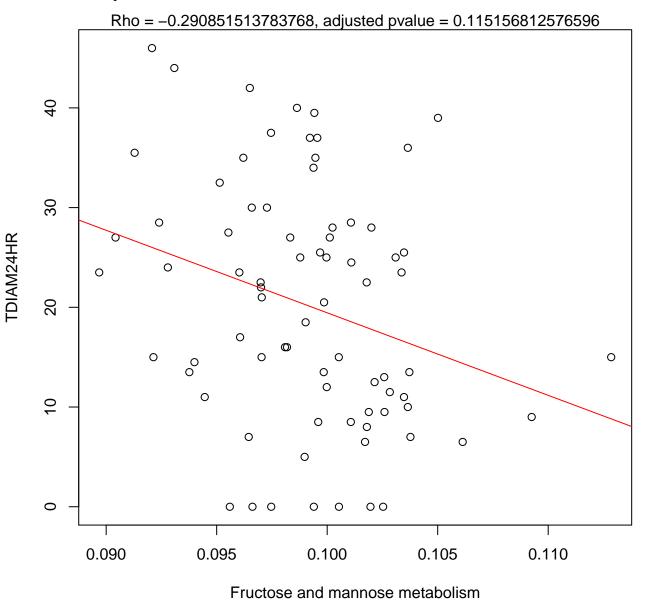
Timepoint 1, TDIAM24HR  $\sim$  D-Glutamine and D-glutamate metabolism



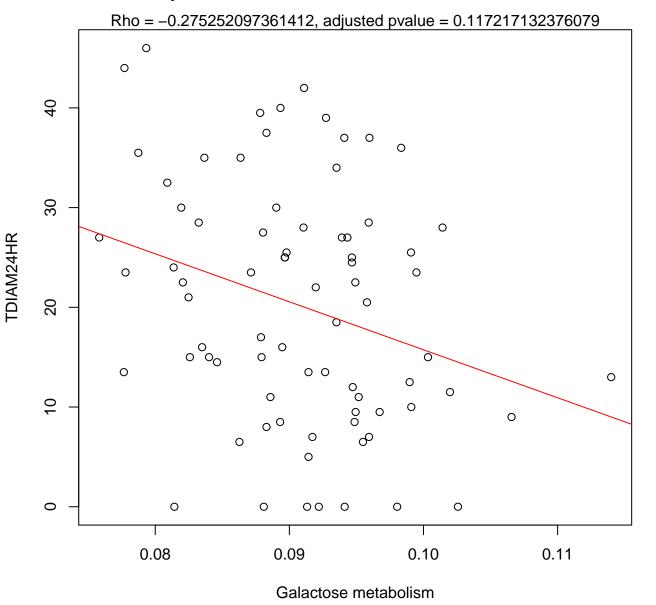
#### Timepoint 1, TDIAM24HR ~ Fatty acid biosynthesis



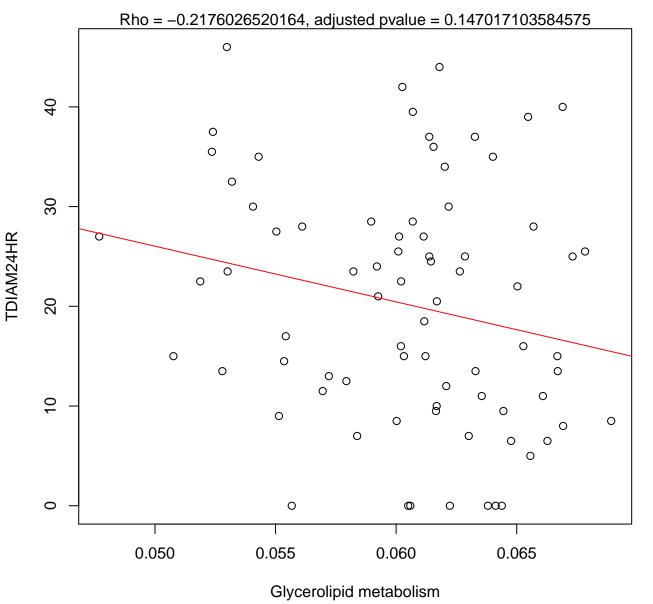
Timepoint 1, TDIAM24HR ~ Fructose and mannose metabolism



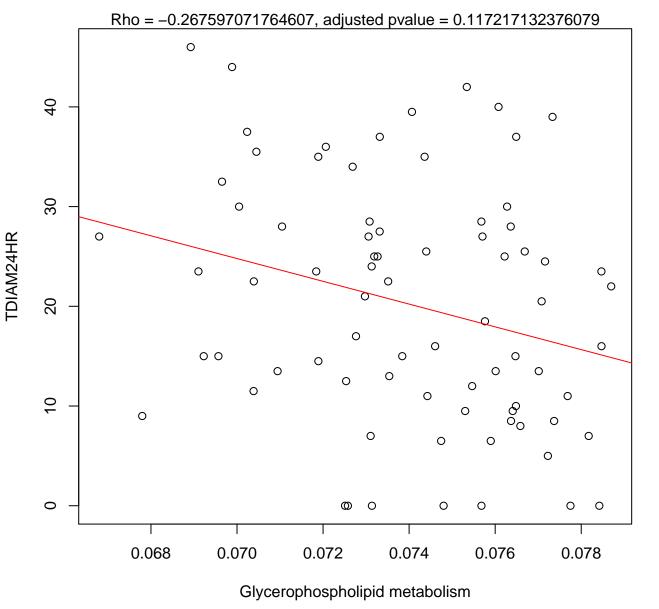
#### Timepoint 1, TDIAM24HR ~ Galactose metabolism



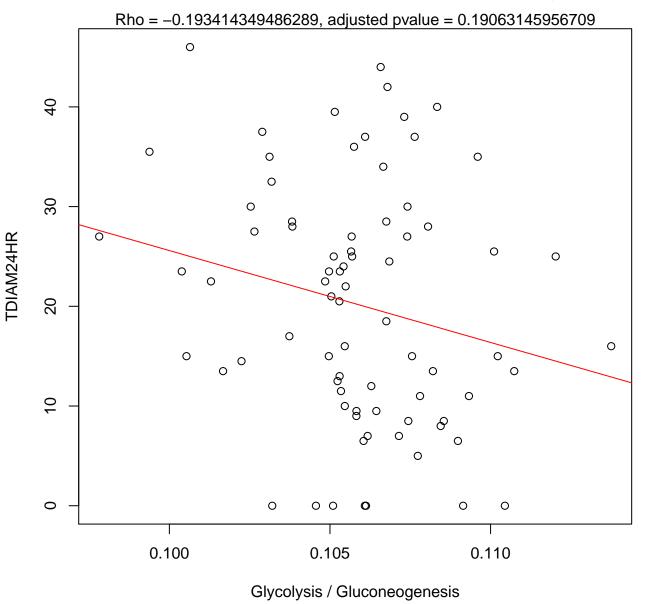
#### Timepoint 1, TDIAM24HR ~ Glycerolipid metabolism



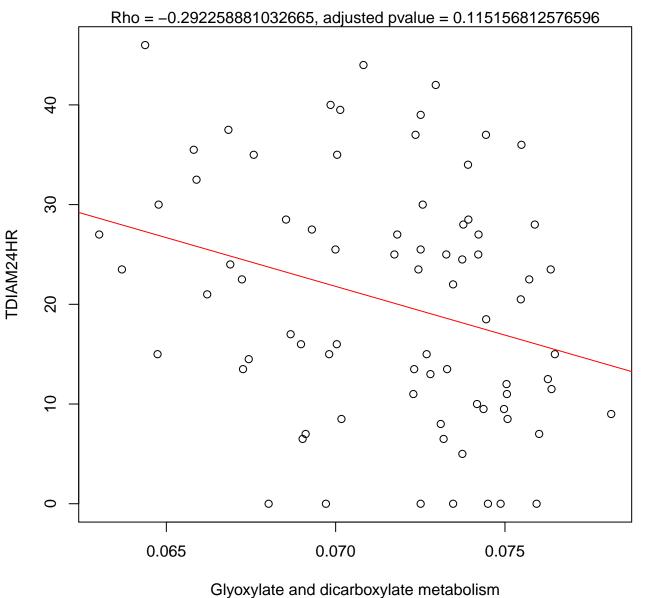
Timepoint 1, TDIAM24HR ~ Glycerophospholipid metabolism



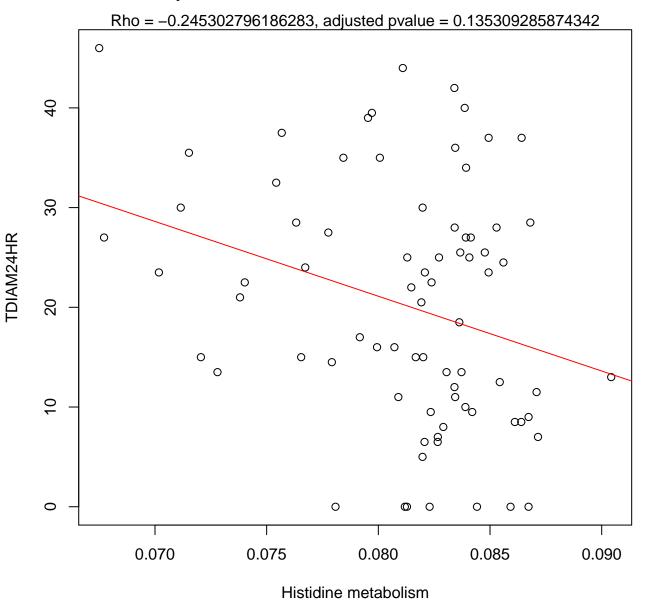
#### Timepoint 1, TDIAM24HR ~ Glycolysis / Gluconeogenesis



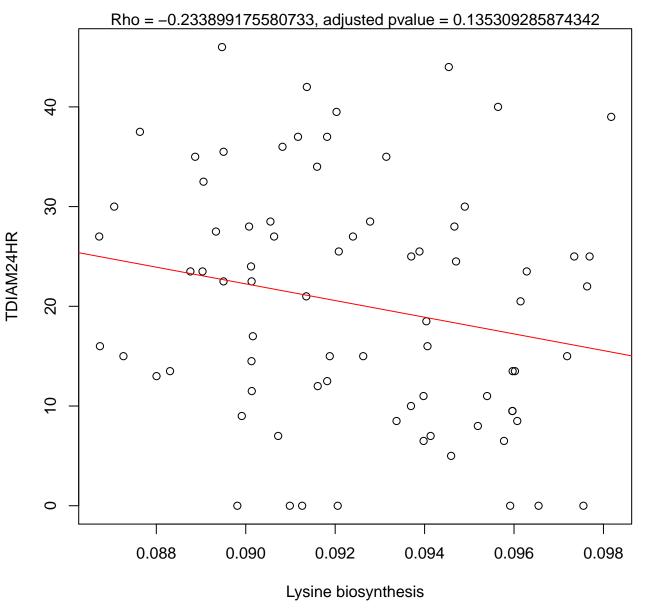
Timepoint 1, TDIAM24HR ~ Glyoxylate and dicarboxylate metabolism



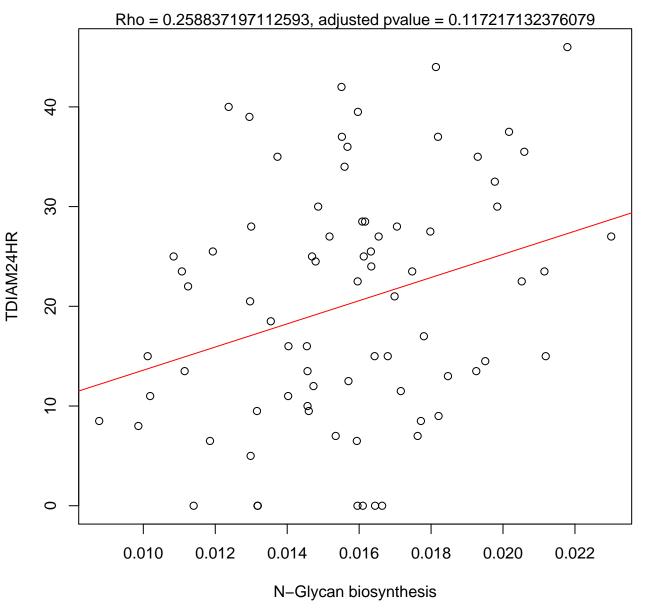
Timepoint 1, TDIAM24HR ~ Histidine metabolism



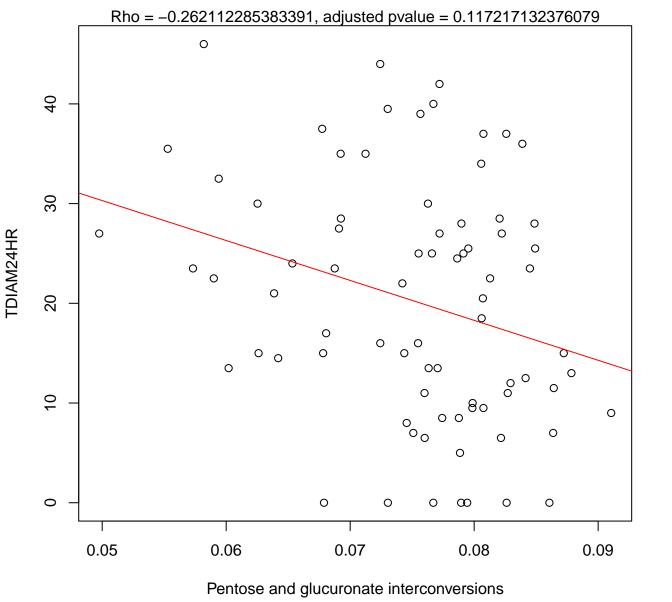
Timepoint 1, TDIAM24HR ~ Lysine biosynthesis



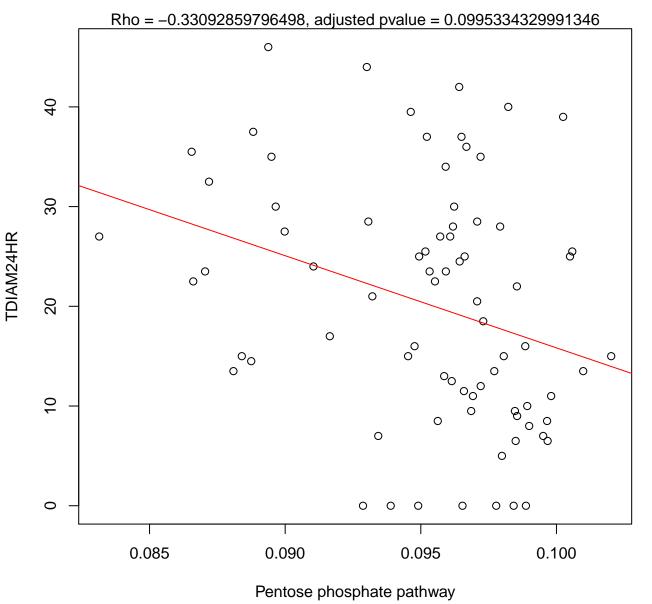
#### Timepoint 1, TDIAM24HR ~ N-Glycan biosynthesis



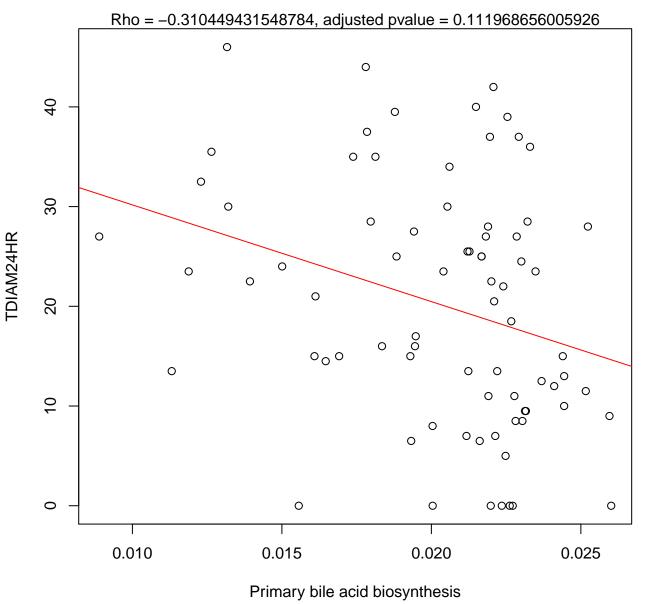
Timepoint 1, TDIAM24HR ~ Pentose and glucuronate interconversions



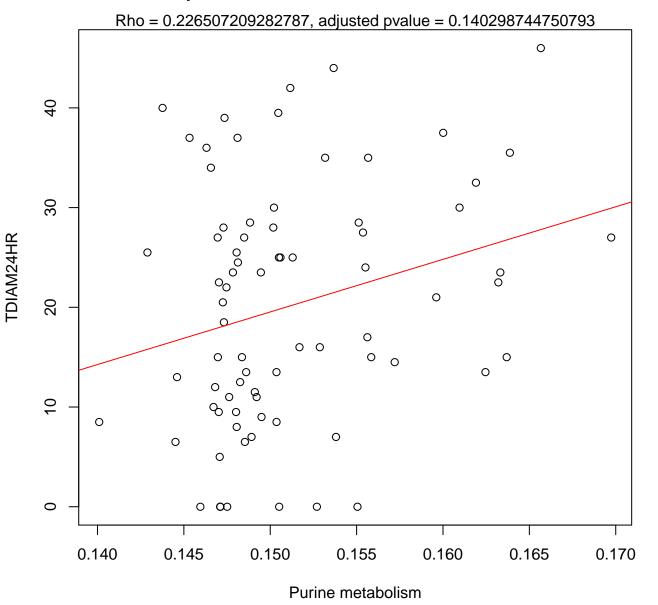
Timepoint 1, TDIAM24HR ~ Pentose phosphate pathway



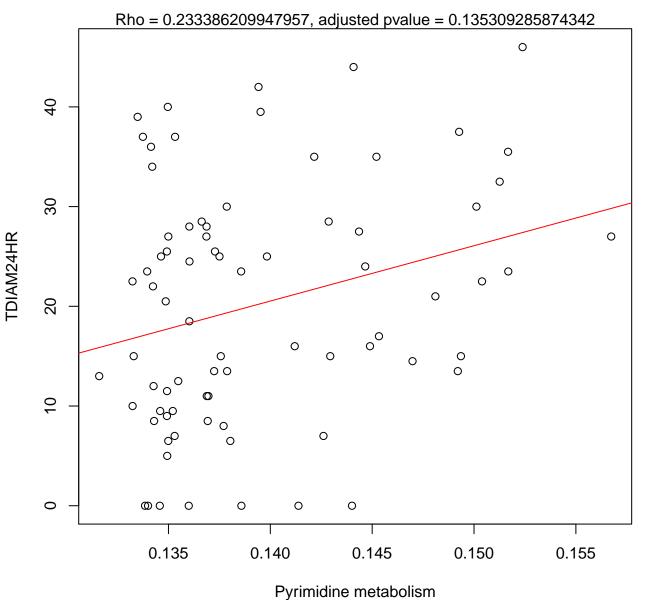
Timepoint 1, TDIAM24HR ~ Primary bile acid biosynthesis



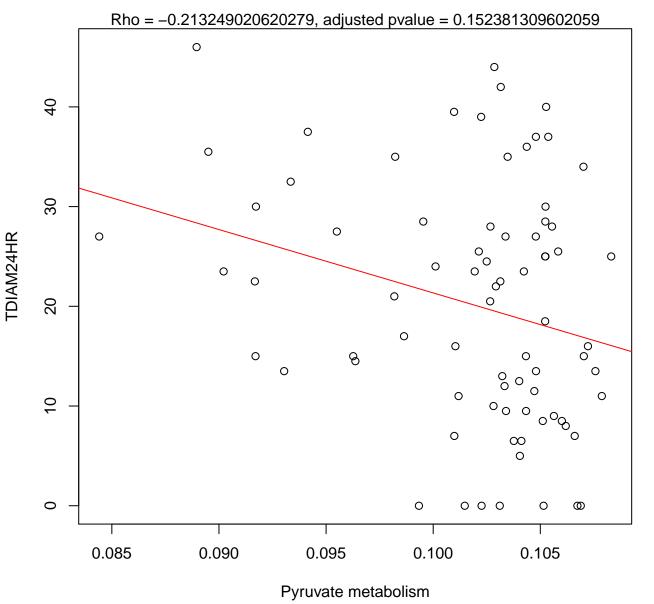
#### Timepoint 1, TDIAM24HR ~ Purine metabolism



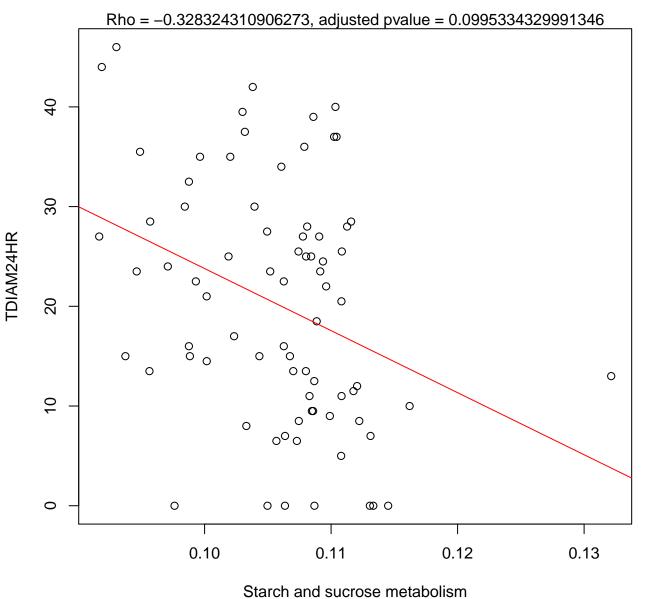
Timepoint 1, TDIAM24HR ~ Pyrimidine metabolism



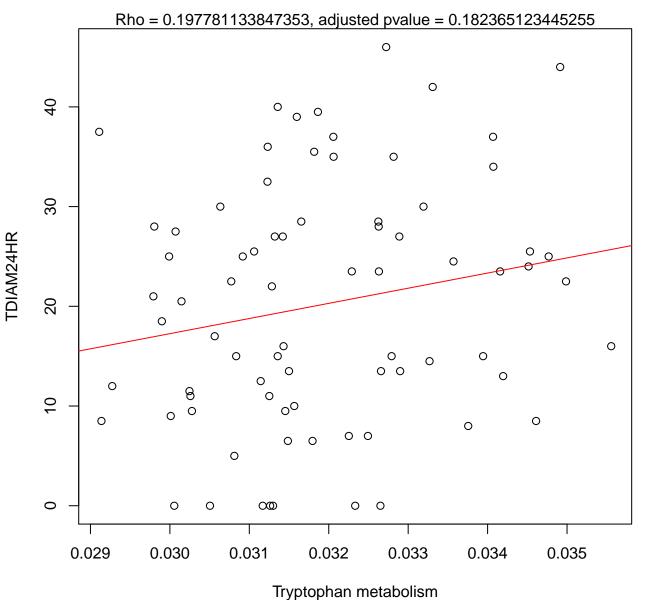
Timepoint 1, TDIAM24HR ~ Pyruvate metabolism



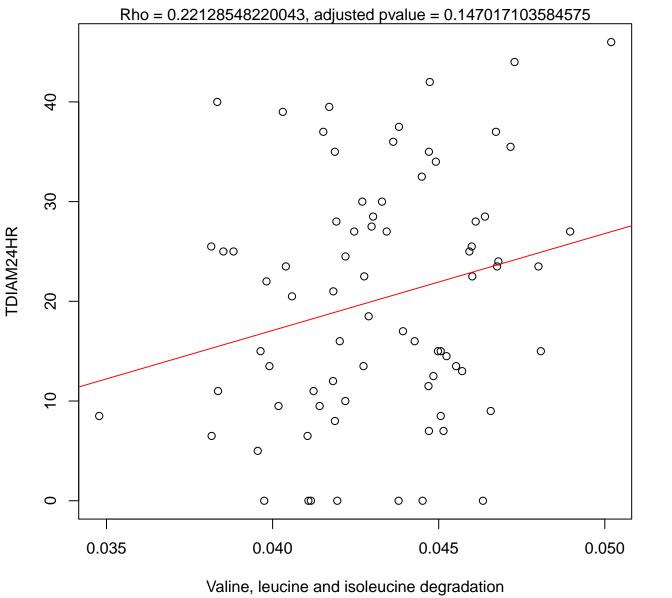
## Timepoint 1, TDIAM24HR ~ Starch and sucrose metabolism



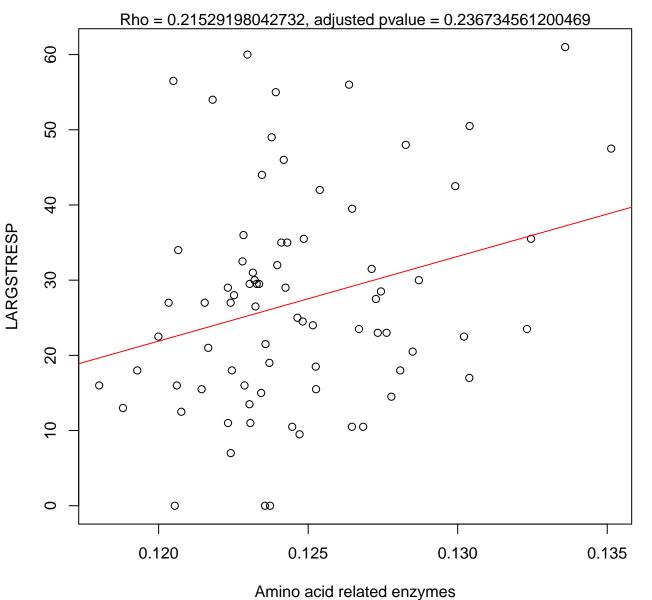
### Timepoint 1, TDIAM24HR ~ Tryptophan metabolism



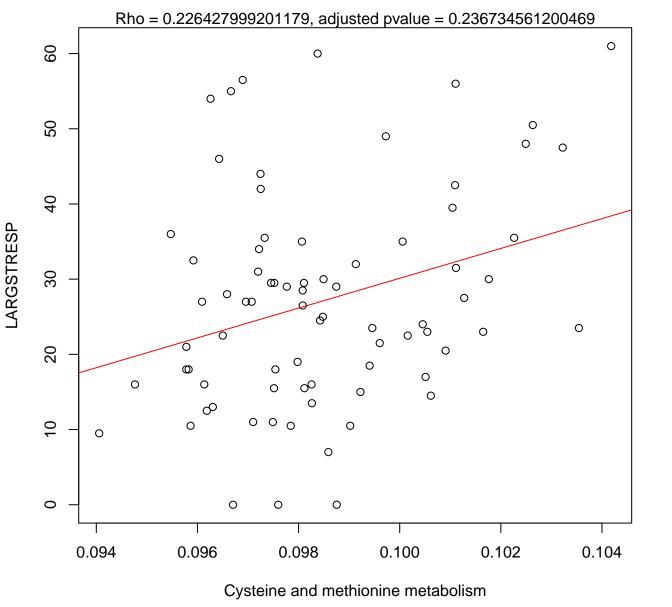
Timepoint 1, TDIAM24HR  $\sim$  Valine, leucine and isoleucine degradation



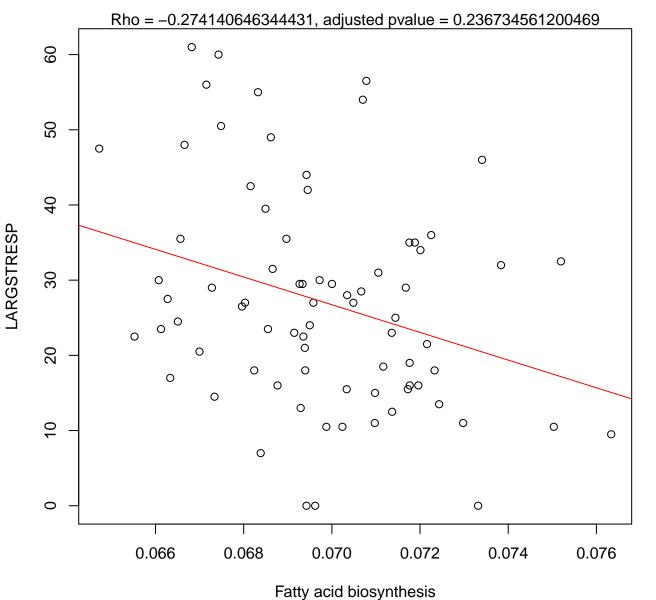
**Timepoint 1, LARGSTRESP ~ Amino acid related enzymes** 



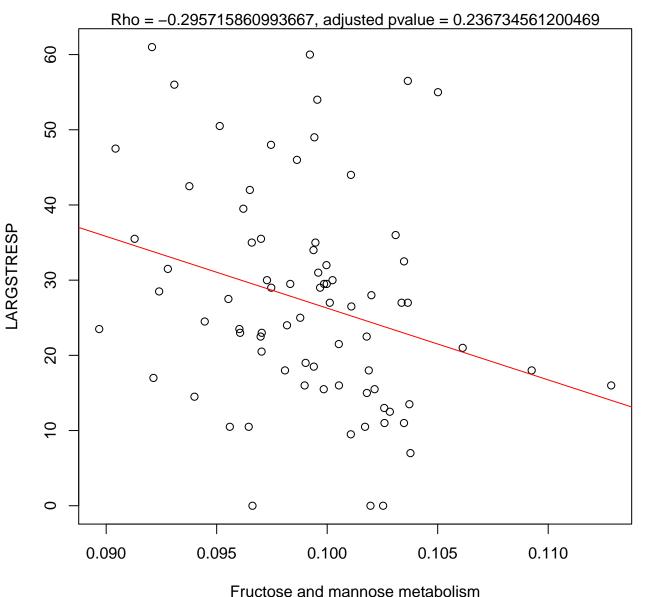
Timepoint 1, LARGSTRESP ~ Cysteine and methionine metabolism



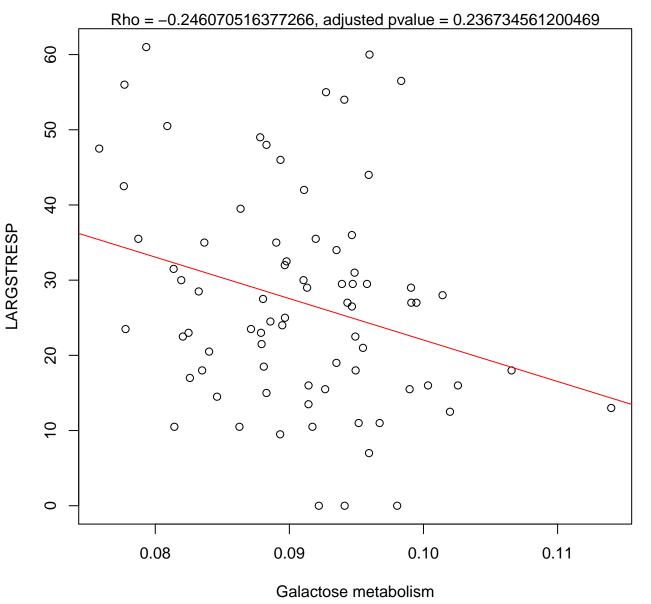
## Timepoint 1, LARGSTRESP ~ Fatty acid biosynthesis



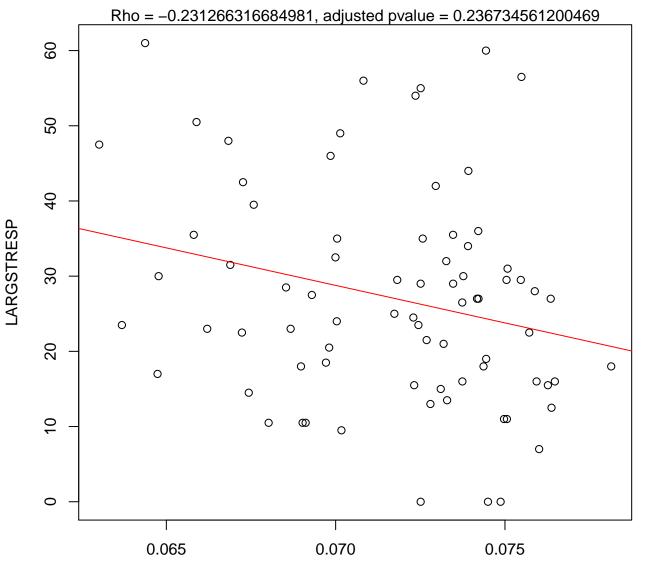
Timepoint 1, LARGSTRESP ~ Fructose and mannose metabolism



**Timepoint 1, LARGSTRESP ~ Galactose metabolism** 

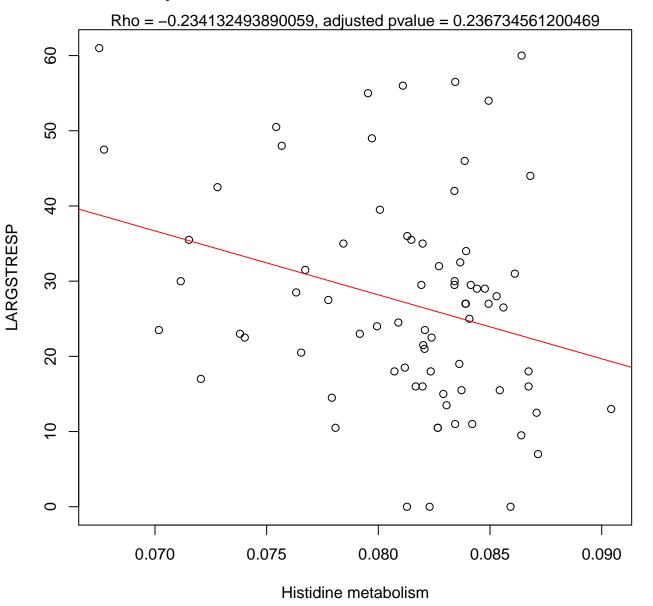


Timepoint 1, LARGSTRESP ~ Glyoxylate and dicarboxylate metabolism

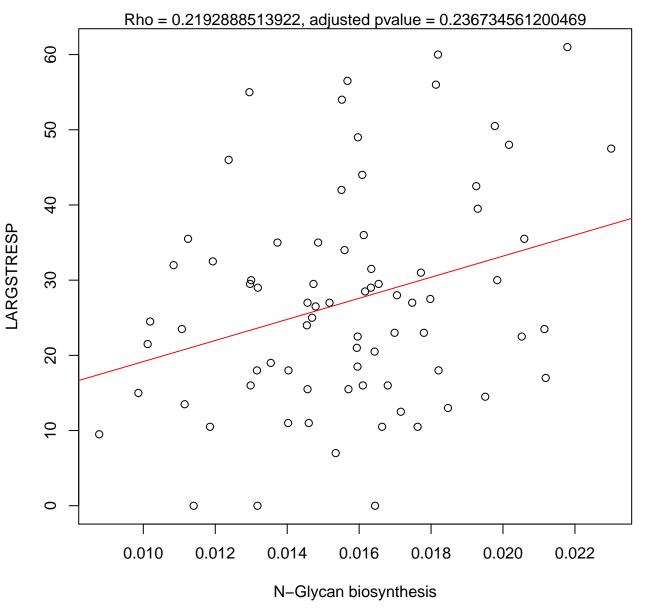


Glyoxylate and dicarboxylate metabolism

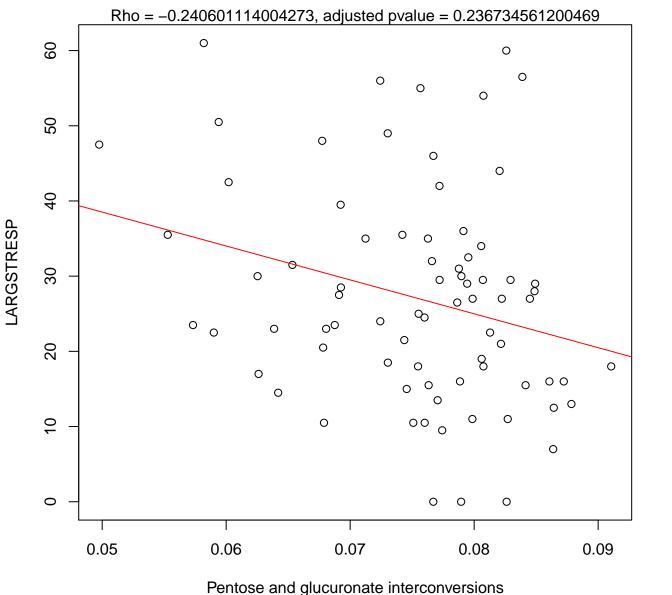
Timepoint 1, LARGSTRESP ~ Histidine metabolism



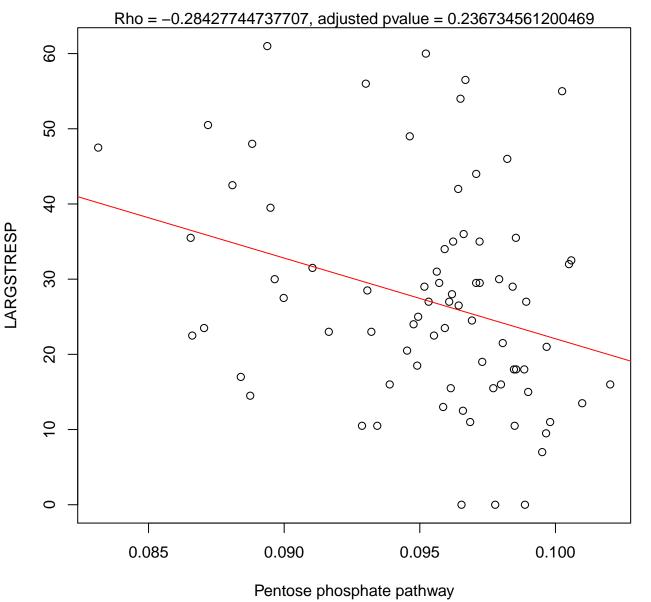
## Timepoint 1, LARGSTRESP ~ N-Glycan biosynthesis



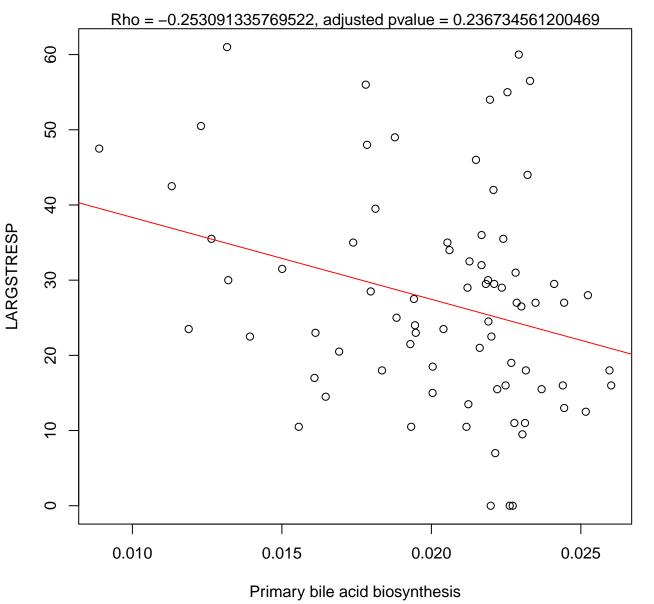
# Timepoint 1, LARGSTRESP ~ Pentose and glucuronate interconversion



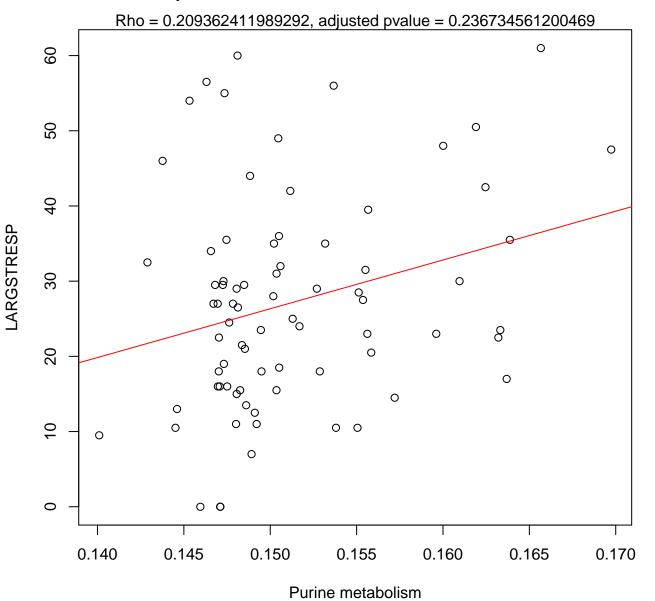
Timepoint 1, LARGSTRESP ~ Pentose phosphate pathway



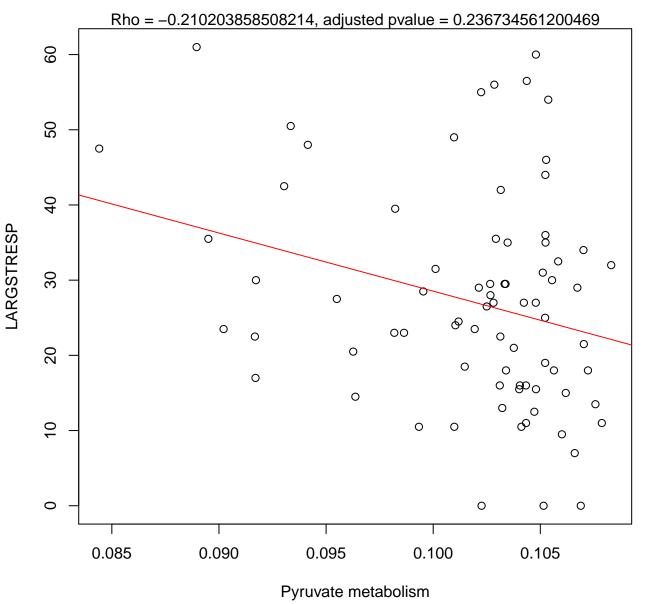
Timepoint 1, LARGSTRESP ~ Primary bile acid biosynthesis



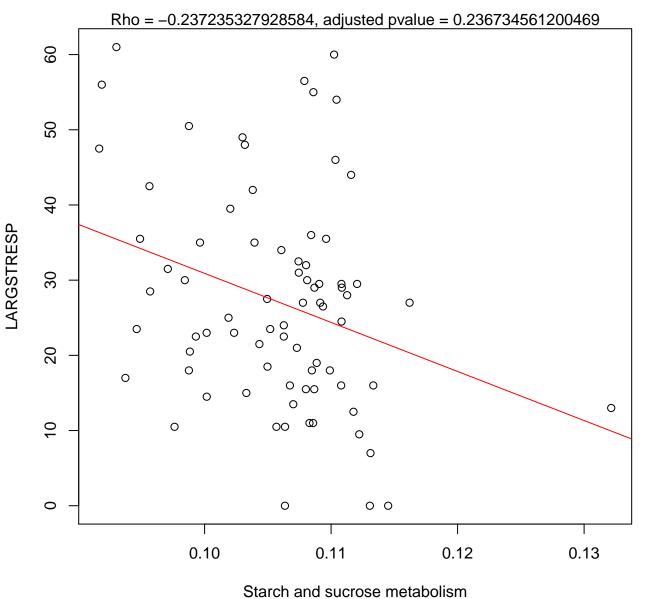
Timepoint 1, LARGSTRESP ~ Purine metabolism



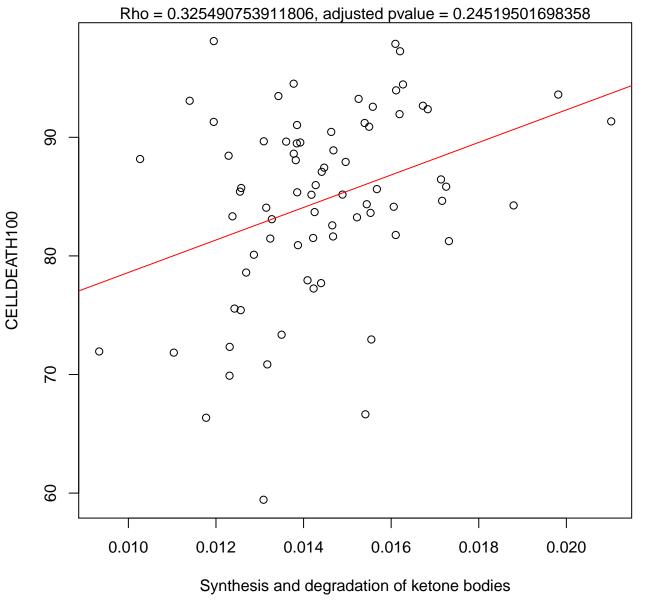
### Timepoint 1, LARGSTRESP ~ Pyruvate metabolism



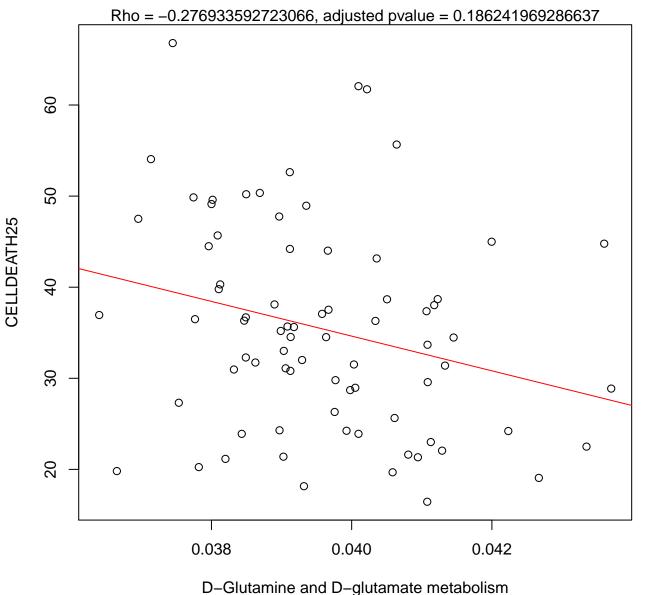
Timepoint 1, LARGSTRESP ~ Starch and sucrose metabolism



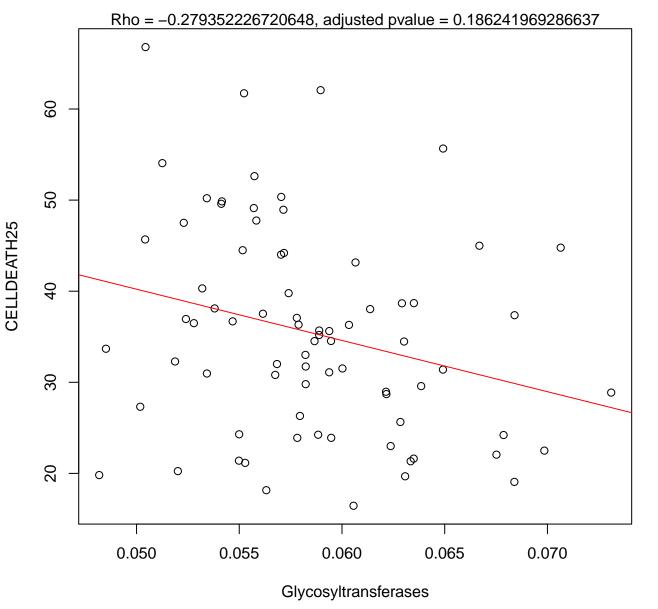
Timepoint 1, CELLDEATH100 ~ Synthesis and degradation of ketone bod



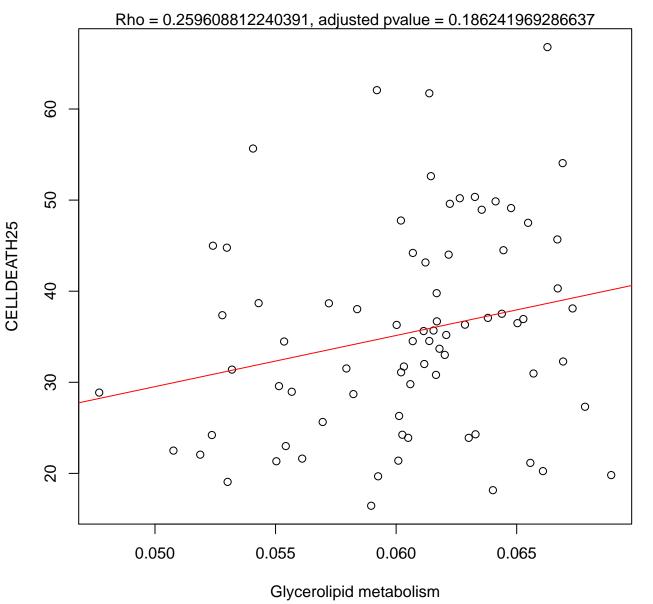
# Timepoint 1, CELLDEATH25 $\sim$ D-Glutamine and D-glutamate metabolis



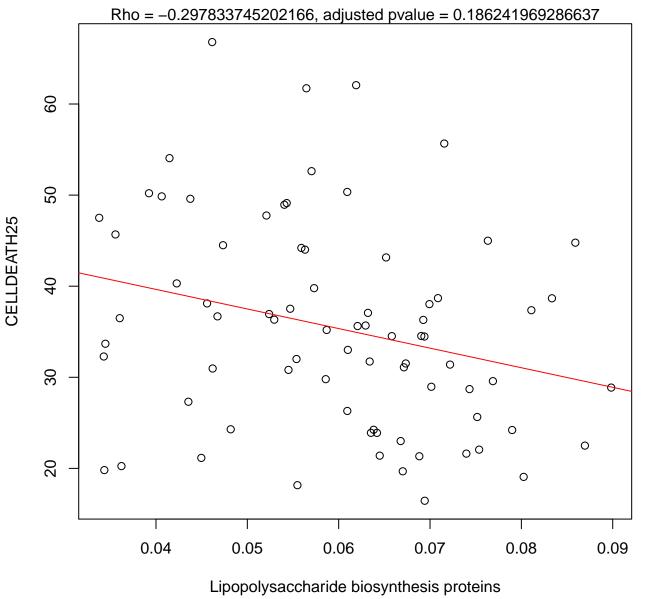
### **Timepoint 1, CELLDEATH25 ~ Glycosyltransferases**



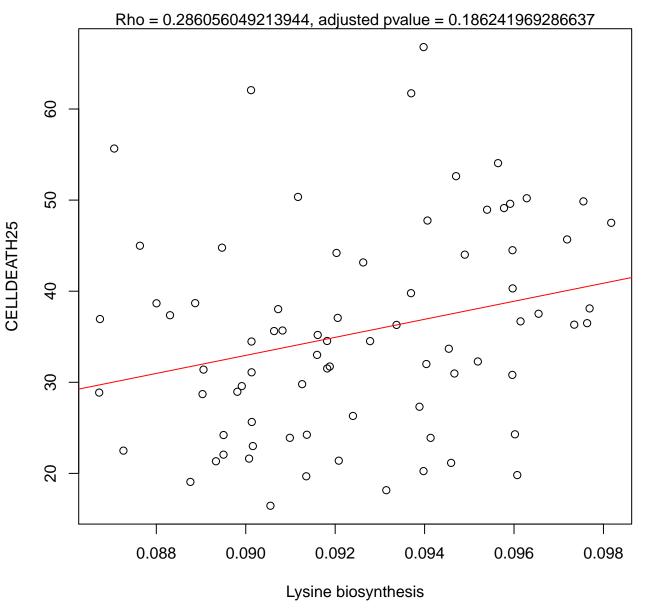
Timepoint 1, CELLDEATH25 ~ Glycerolipid metabolism



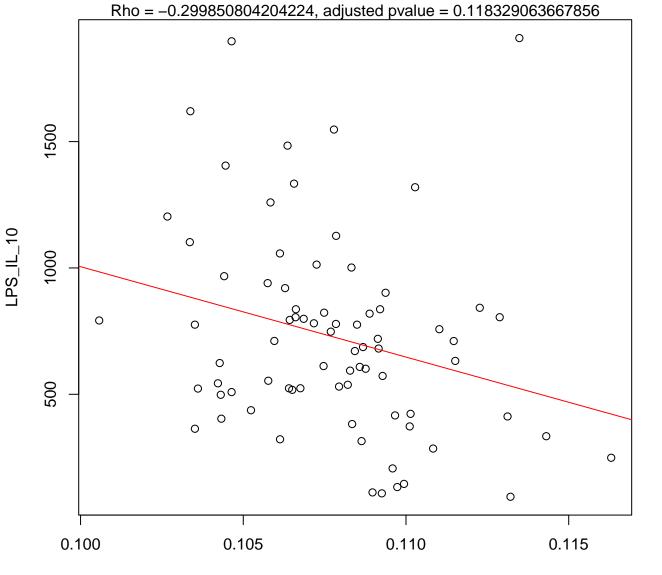
Timepoint 1, CELLDEATH25 ~ Lipopolysaccharide biosynthesis protein



### **Timepoint 1, CELLDEATH25 ~ Lysine biosynthesis**

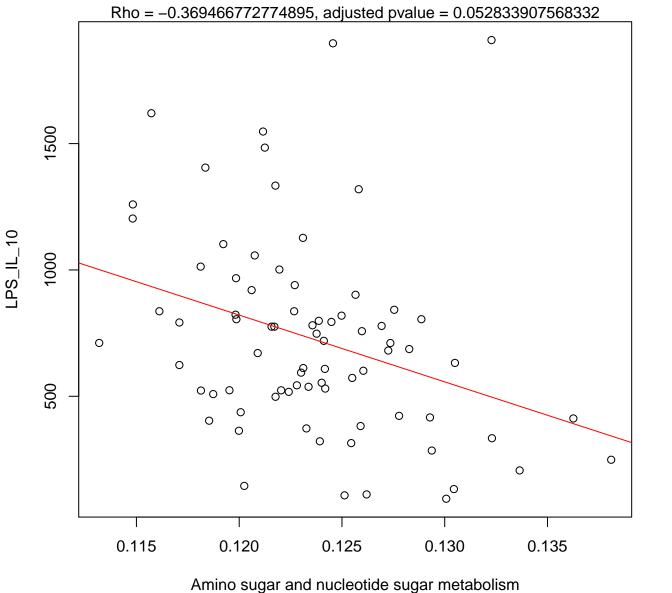


Timepoint 1, LPS\_IL\_10 ~ Alanine, aspartate and glutamate metabolism

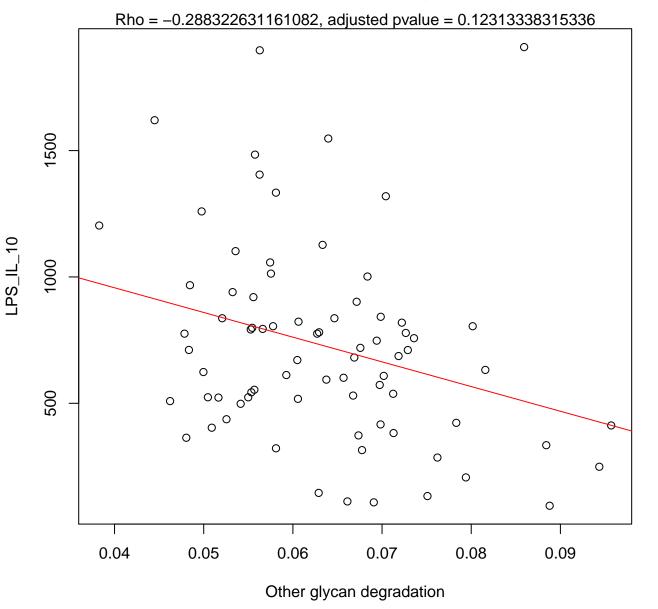


Alanine, aspartate and glutamate metabolism

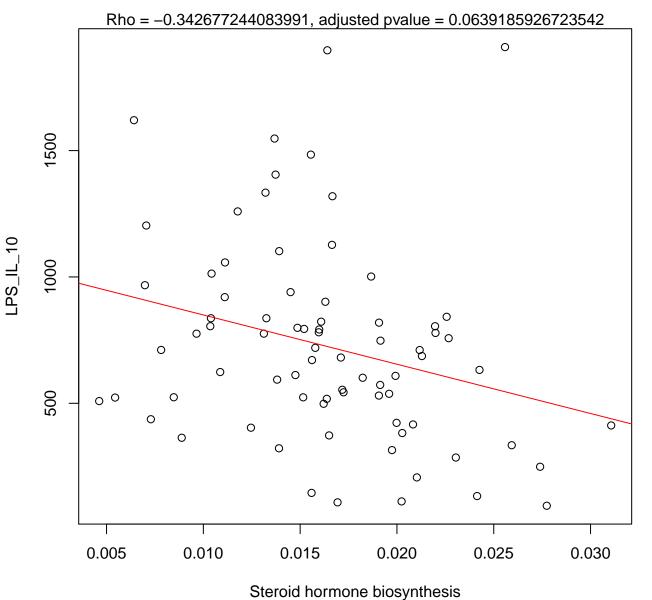
Timepoint 1, LPS\_IL\_10 ~ Amino sugar and nucleotide sugar metabolis



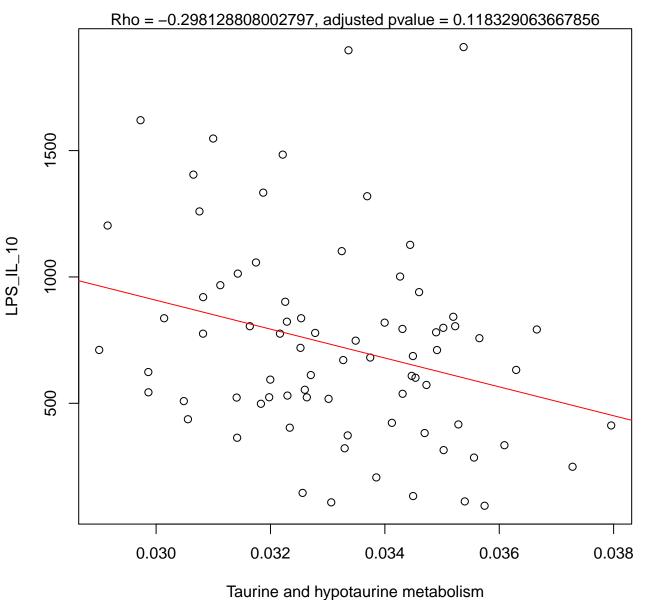
## Timepoint 1, LPS\_IL\_10 ~ Other glycan degradation



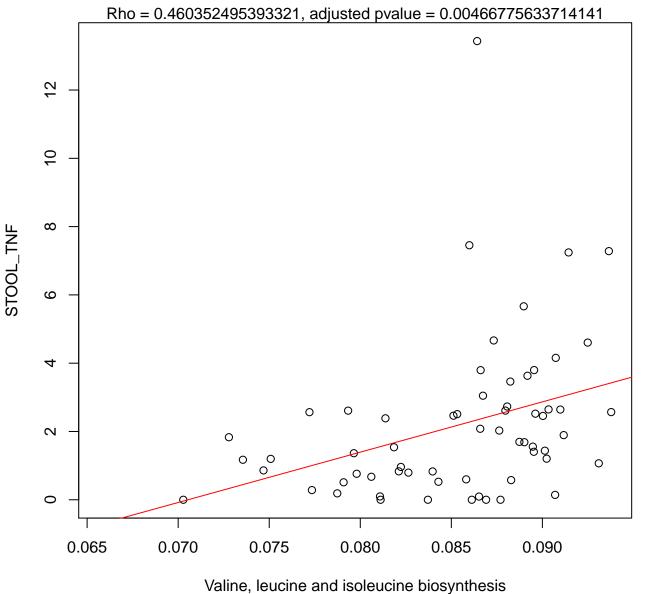
## Timepoint 1, LPS\_IL\_10 ~ Steroid hormone biosynthesis



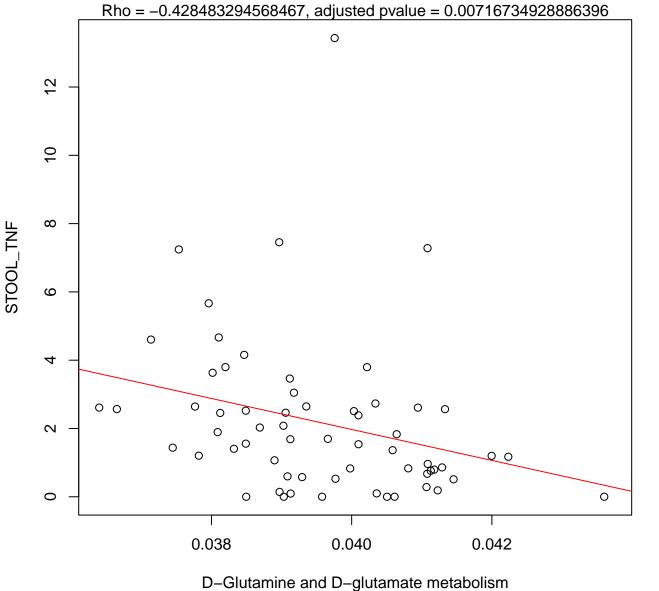
Timepoint 1, LPS\_IL\_10 ~ Taurine and hypotaurine metabolism



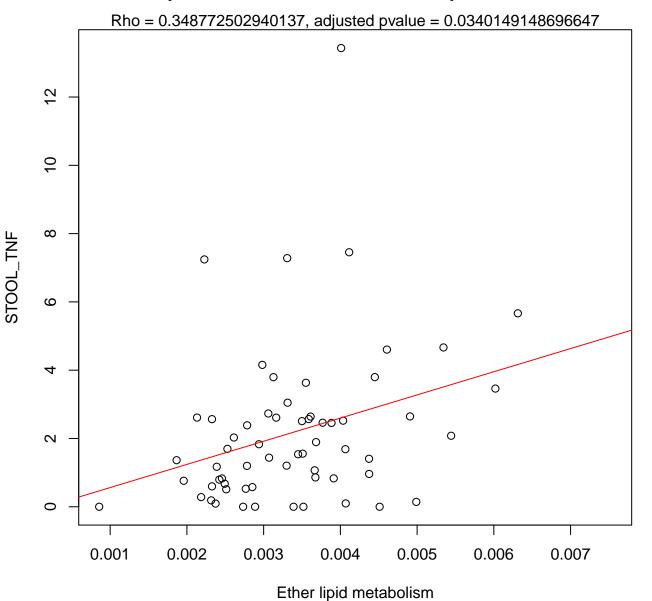
Timepoint 1, STOOL\_TNF ~ Valine, leucine and isoleucine biosynthesis



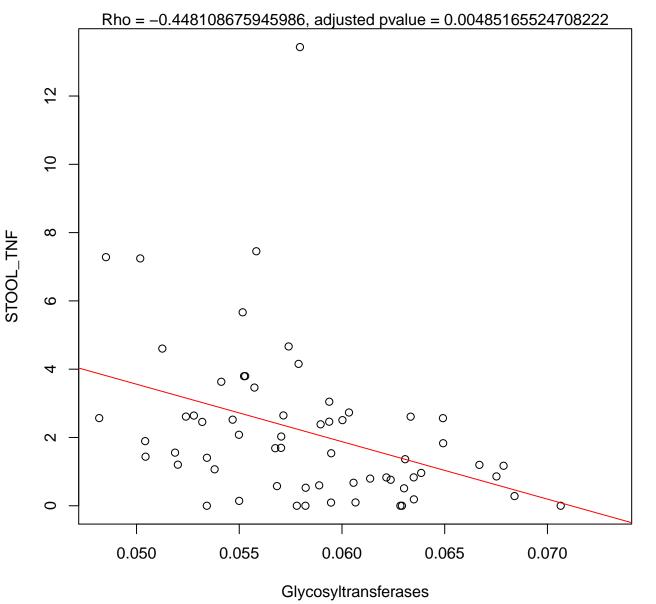
Timepoint 1, STOOL\_TNF ~ D-Glutamine and D-glutamate metabolism



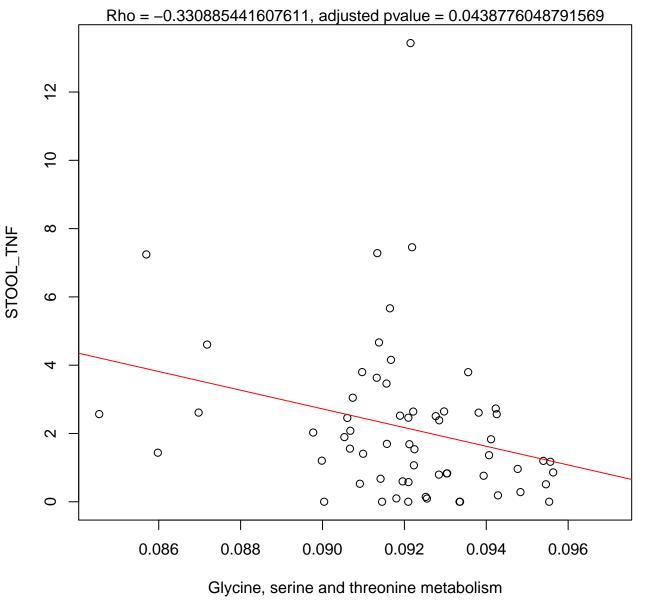
### Timepoint 1, STOOL\_TNF ~ Ether lipid metabolism



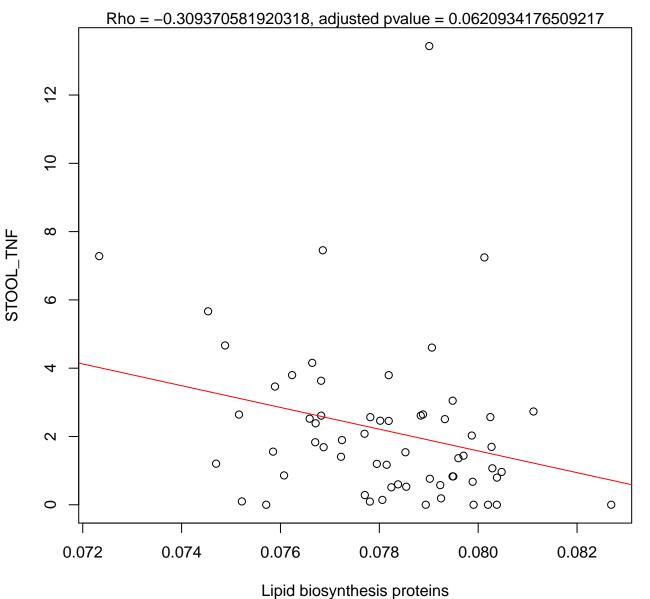
## Timepoint 1, STOOL\_TNF ~ Glycosyltransferases



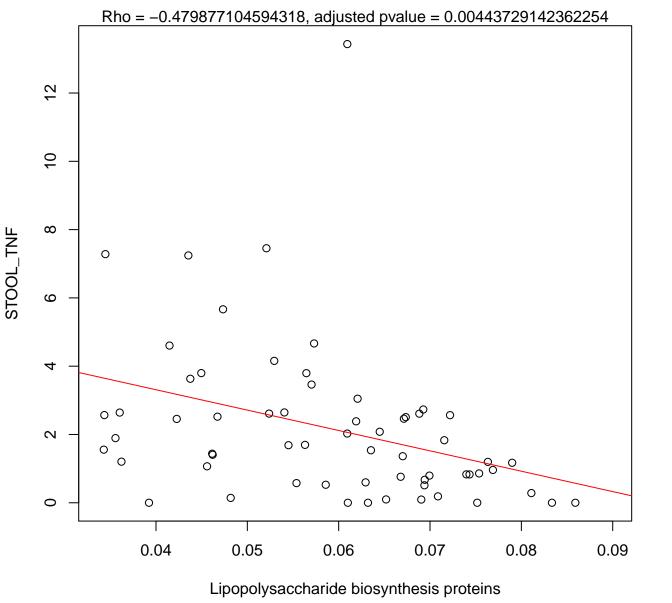
Timepoint 1, STOOL\_TNF ~ Glycine, serine and threonine metabolism



Timepoint 1, STOOL\_TNF ~ Lipid biosynthesis proteins



Timepoint 1, STOOL\_TNF ~ Lipopolysaccharide biosynthesis proteins



Timepoint 1, STOOL\_TNF ~ Lysine biosynthesis

