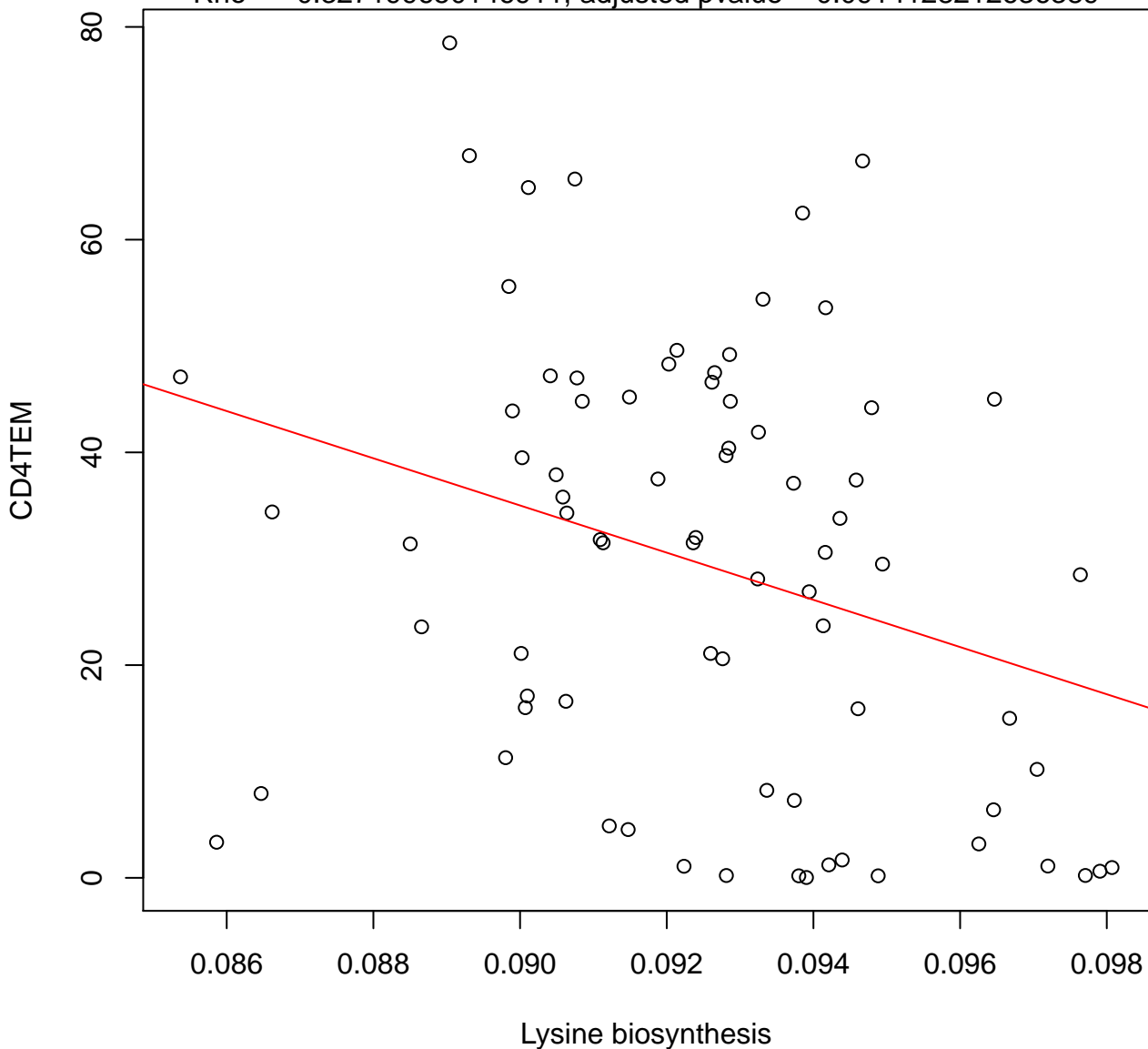


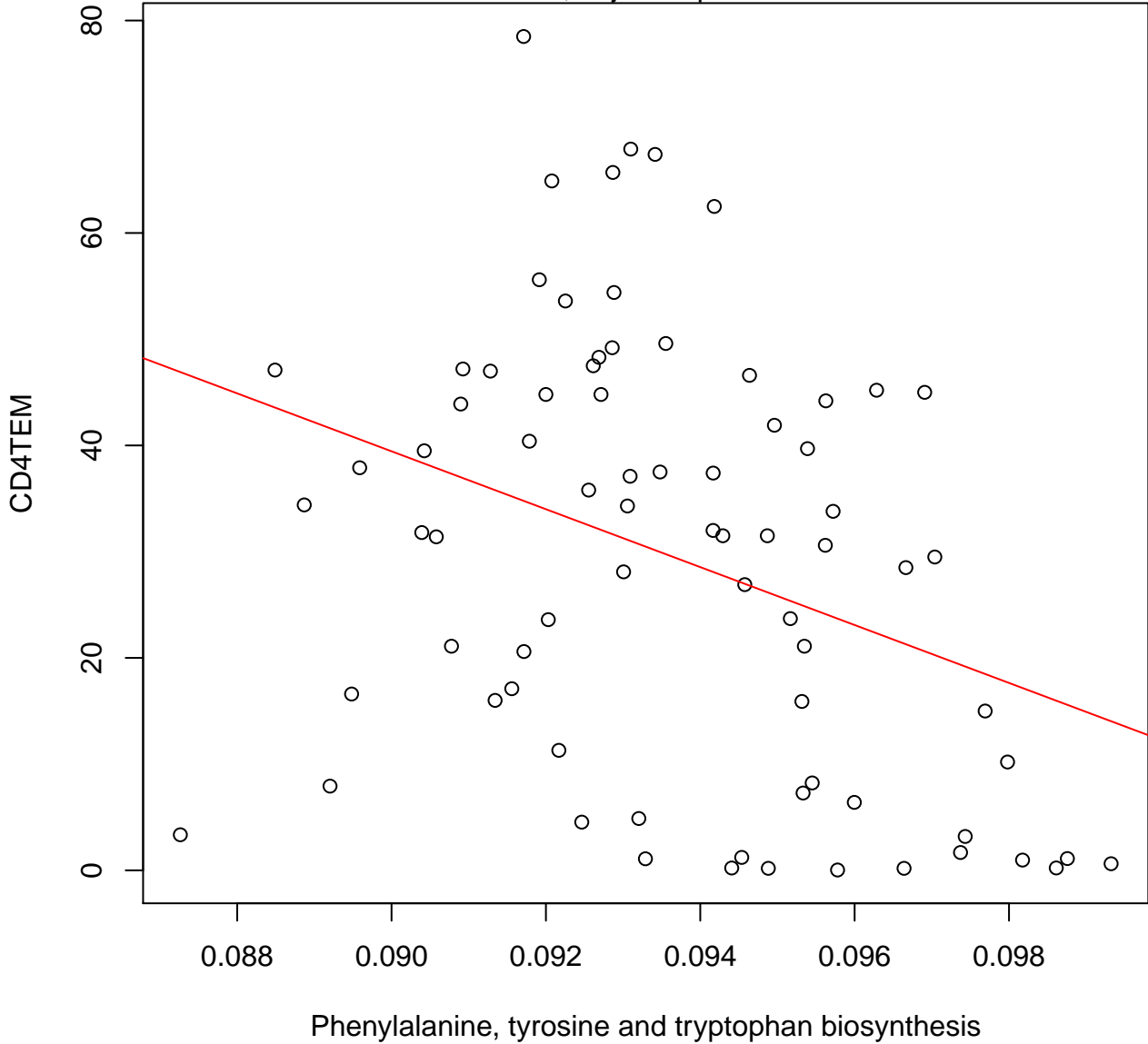
Timepoint 2 , CD4TEM ~ Lysine biosynthesis

Rho = -0.327199650146911 , adjusted pvalue = 0.0914128212636389



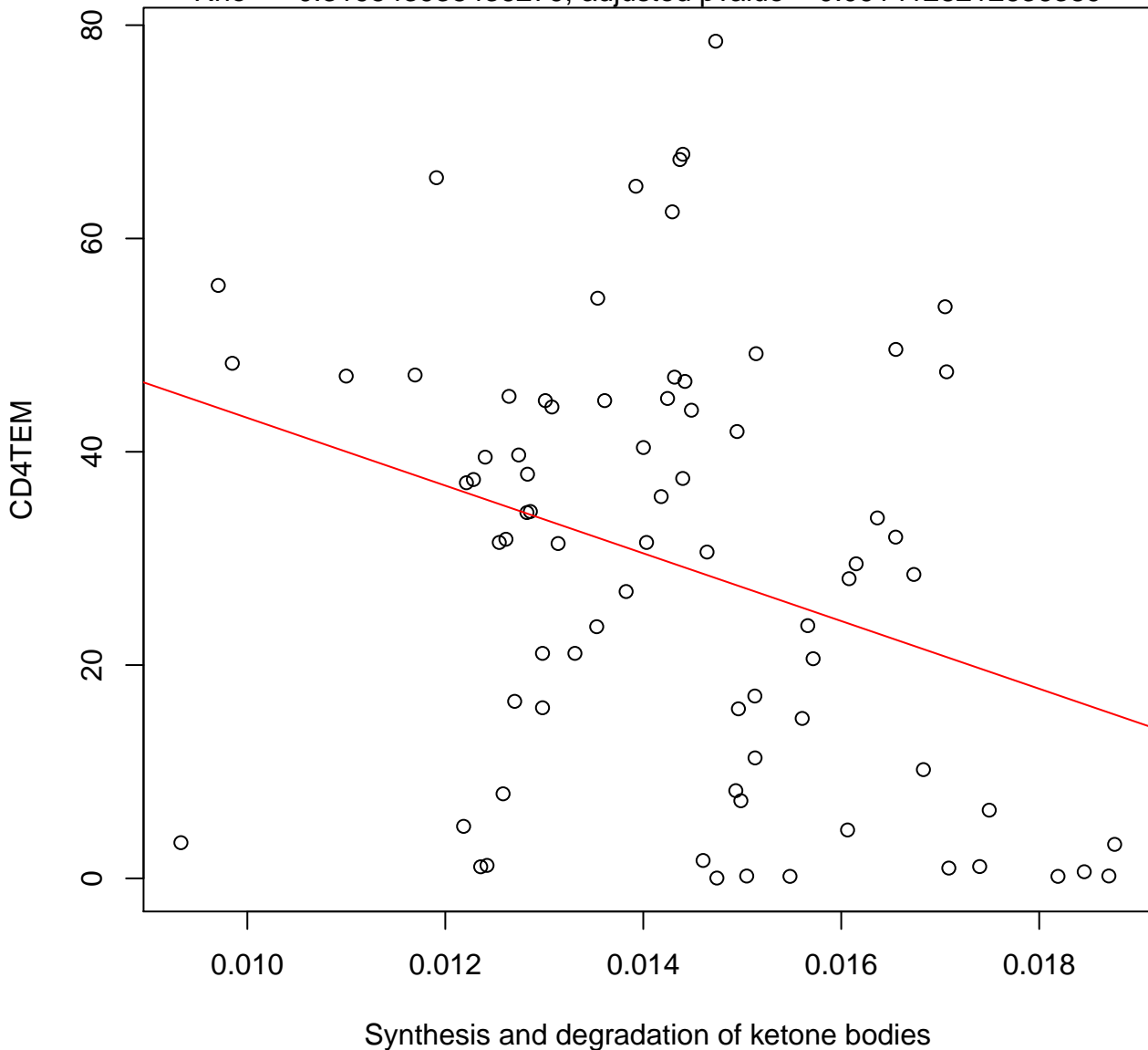
Timepoint 2 , CD4TEM ~ Phenylalanine, tyrosine and tryptophan biosynthesis

Rho = -0.377672663782007 , adjusted pvalue = 0.0431146623569873



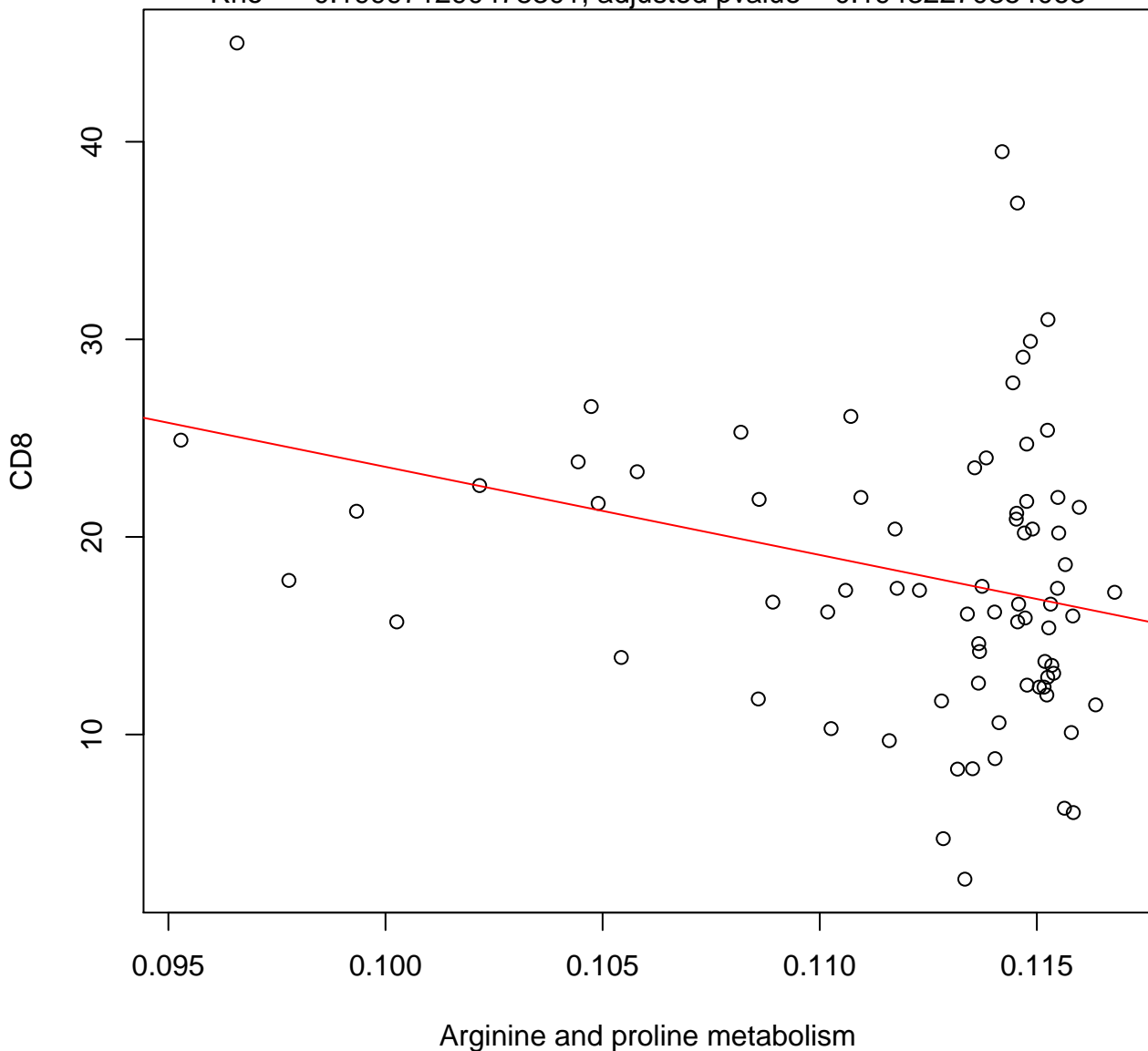
Timepoint 2 , CD4TEM ~ Synthesis and degradation of ketone bodies

Rho = -0.319543938436279 , adjusted pvalue = 0.0914128212636389



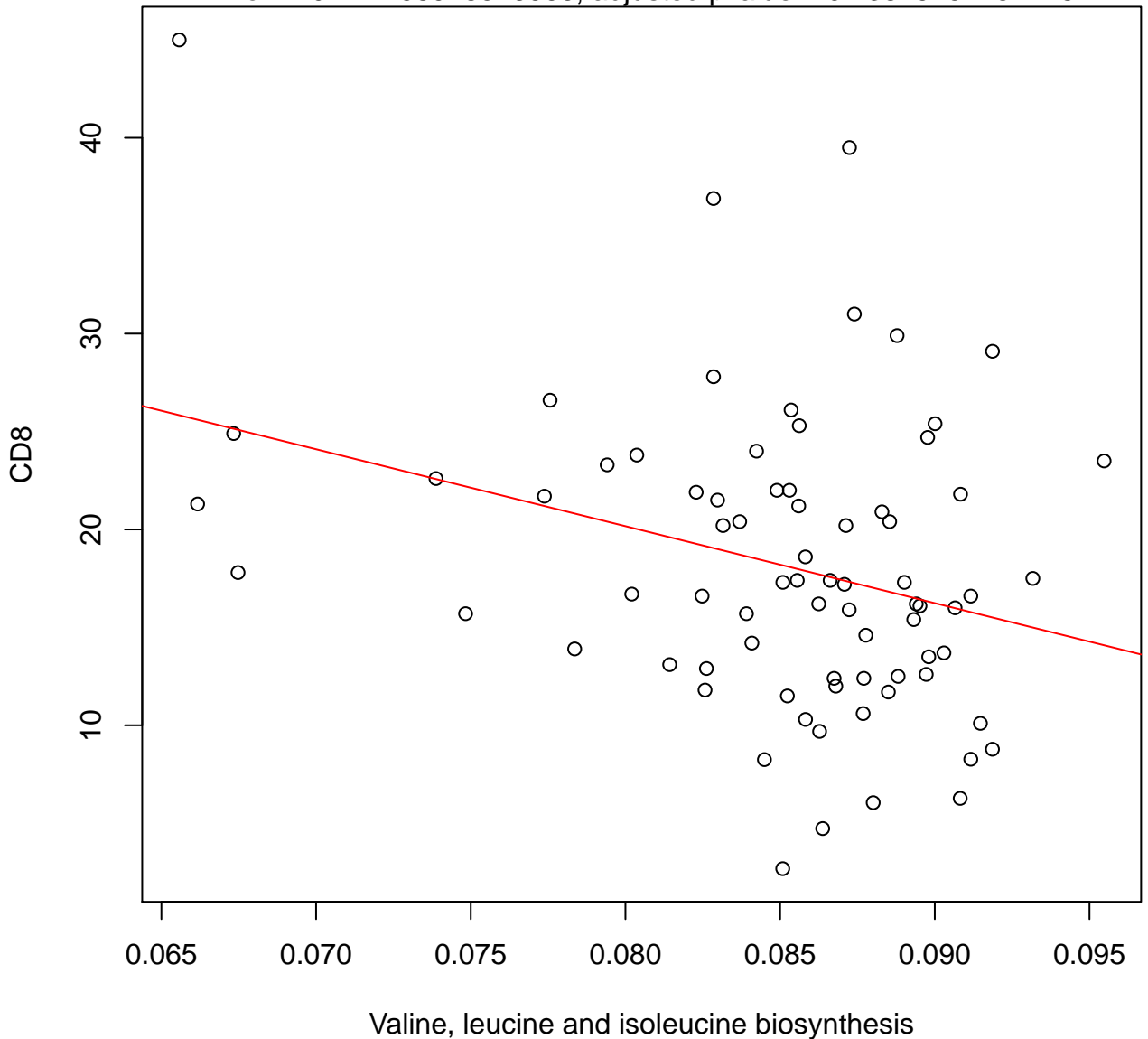
Timepoint 2 , CD8 ~ Arginine and proline metabolism

Rho = -0.199971290478301 , adjusted pvalue = 0.19432270354063



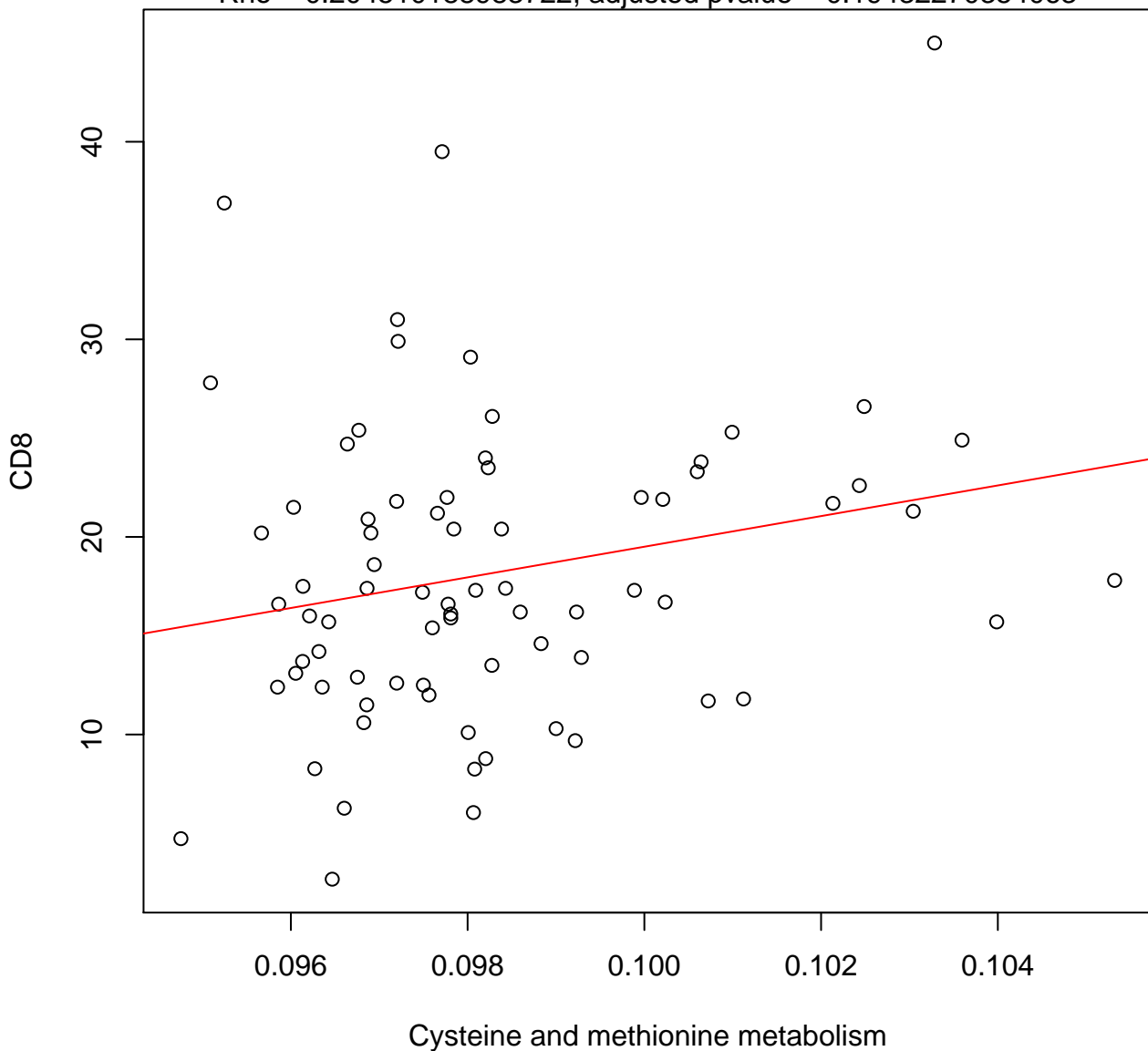
Timepoint 2 , CD8 ~ Valine, leucine and isoleucine biosynthesis

Rho = -0.244498978526966 , adjusted pvalue = 0.13879252254478



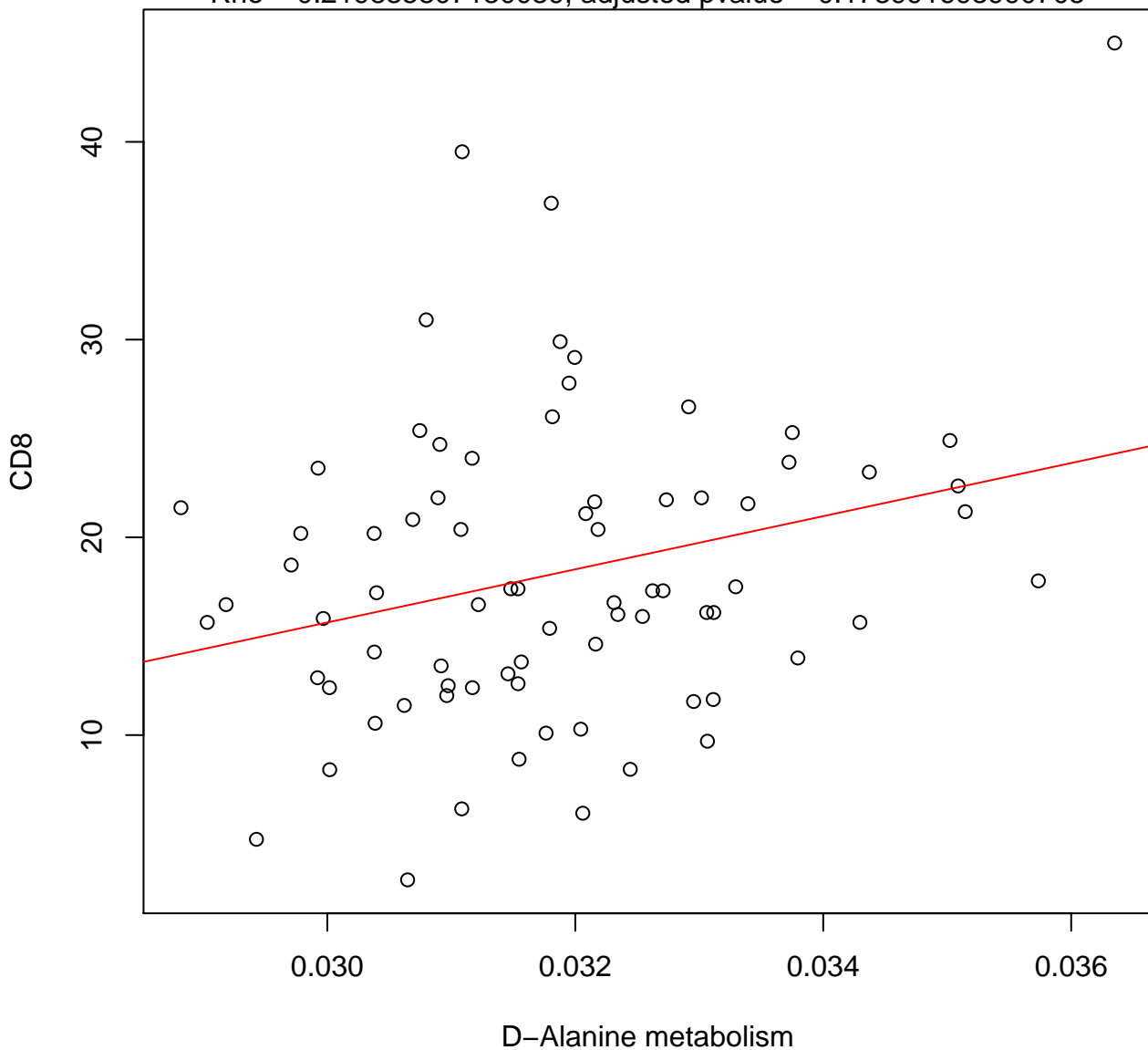
Timepoint 2 , CD8 ~ Cysteine and methionine metabolism

Rho = 0.204510188983722, adjusted pvalue = 0.19432270354063



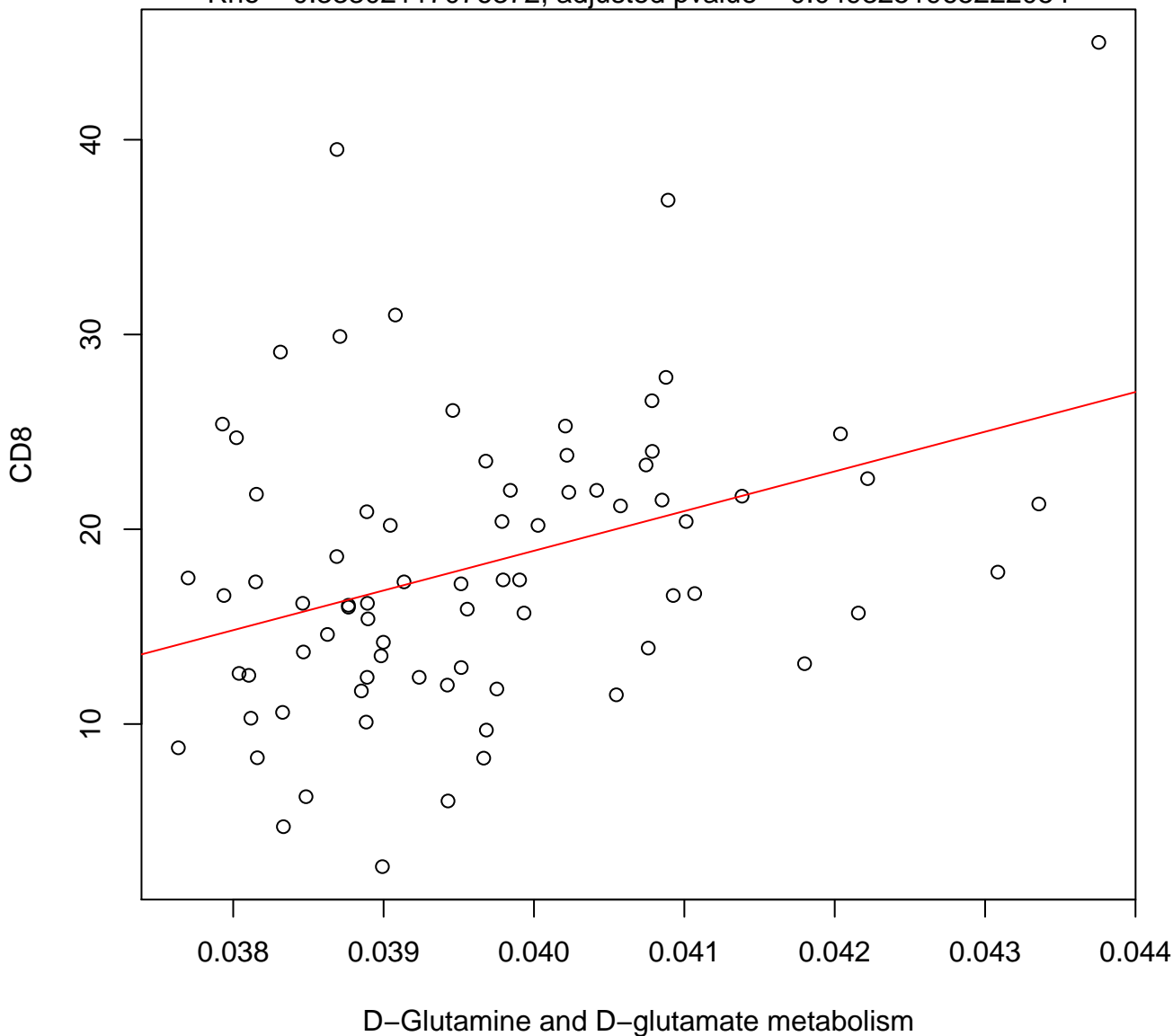
Timepoint 2 , CD8 ~ D-Alanine metabolism

Rho = 0.219835807130039, adjusted pvalue = 0.173991693990705



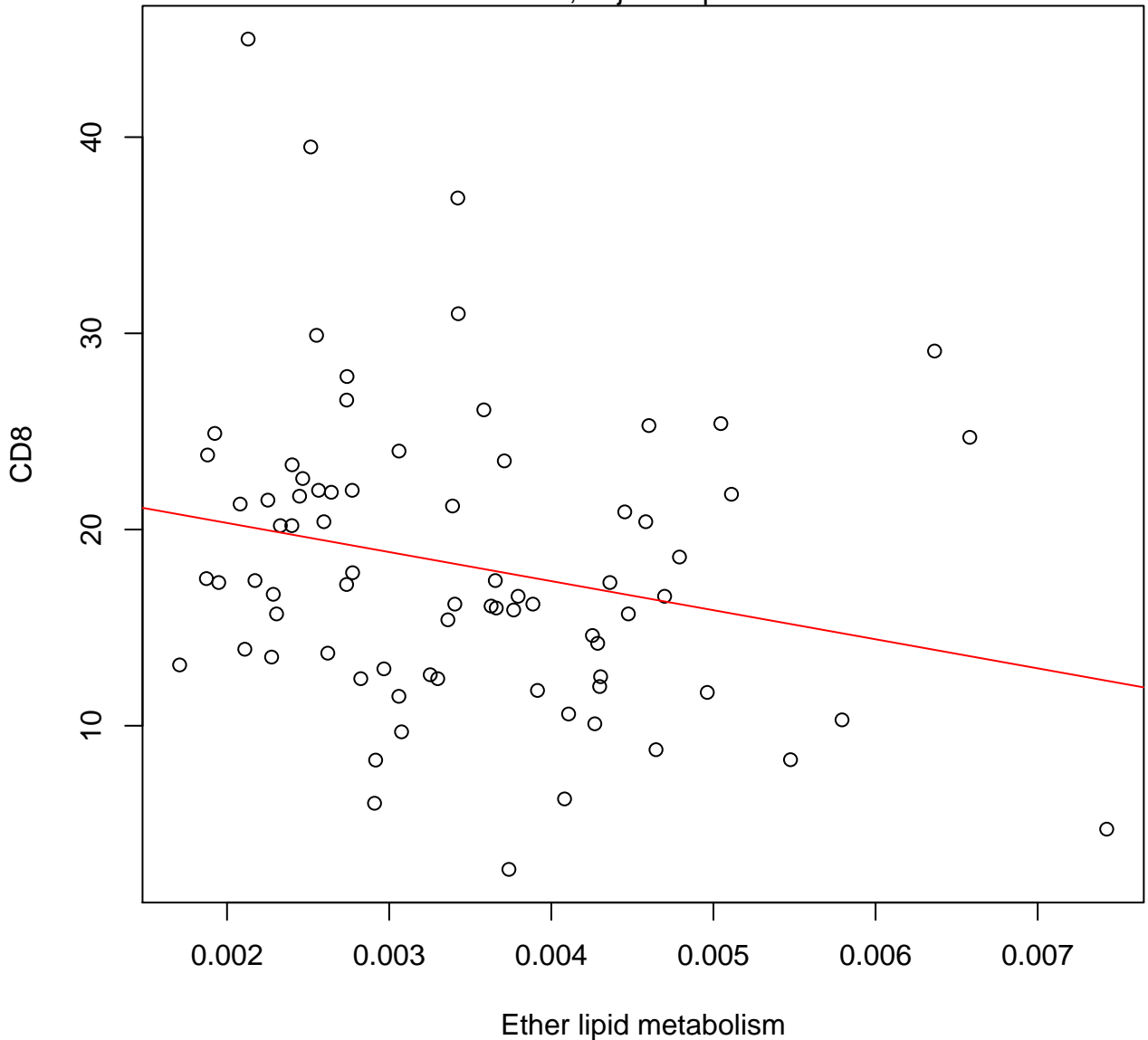
Timepoint 2 , CD8 ~ D-Glutamine and D-glutamate metabolism

Rho = 0.33302117076372, adjusted pvalue = 0.0493251965222054



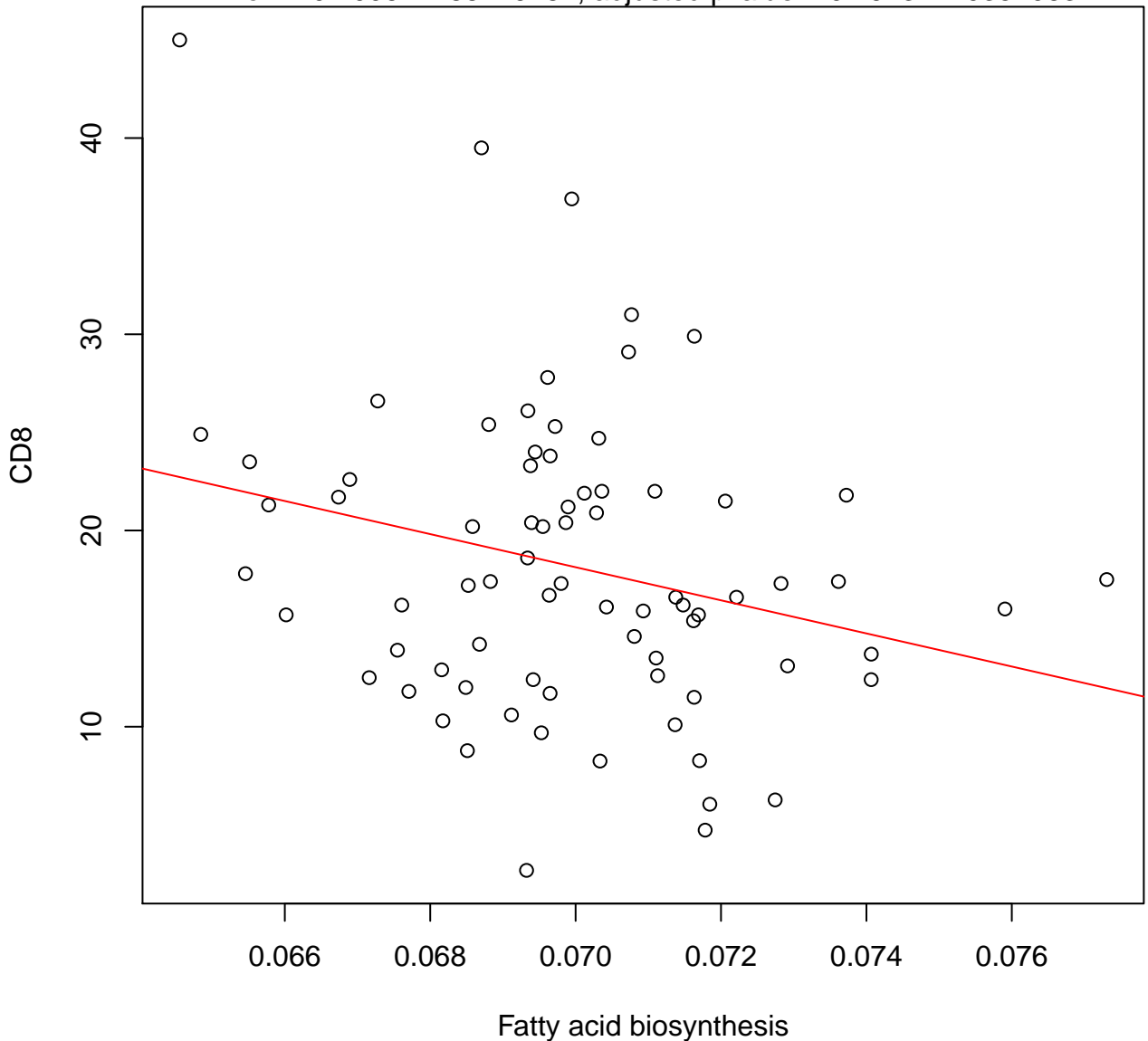
Timepoint 2 , CD8 ~ Ether lipid metabolism

Rho = -0.258252387853634, adjusted pvalue = 0.131477651182195



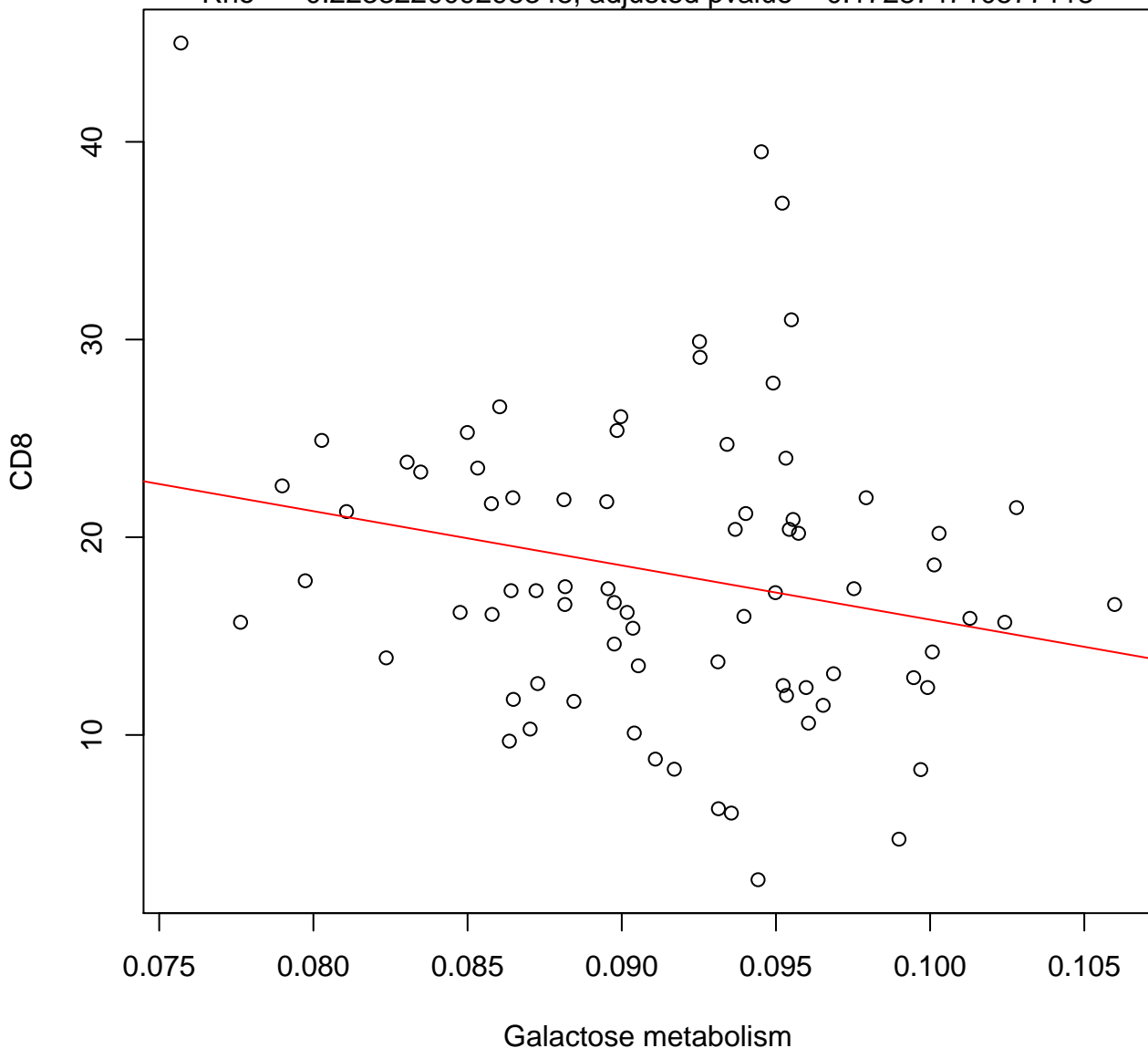
Timepoint 2 , CD8 ~ Fatty acid biosynthesis

Rho = -0.200641188149282 , adjusted pvalue = 0.19432270354063



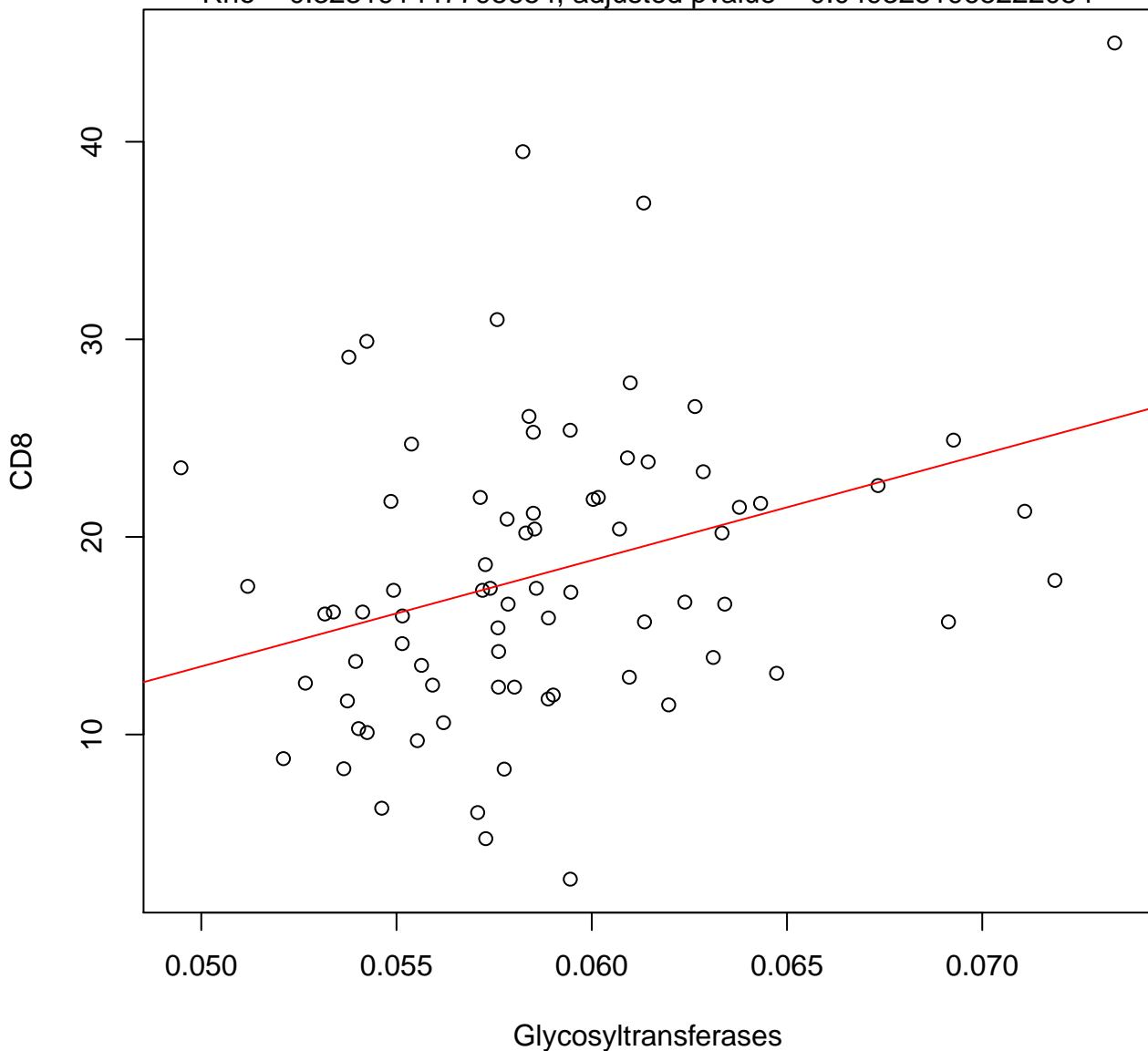
Timepoint 2 , CD8 ~ Galactose metabolism

Rho = -0.223322009295348 , adjusted pvalue = 0.172874710577118



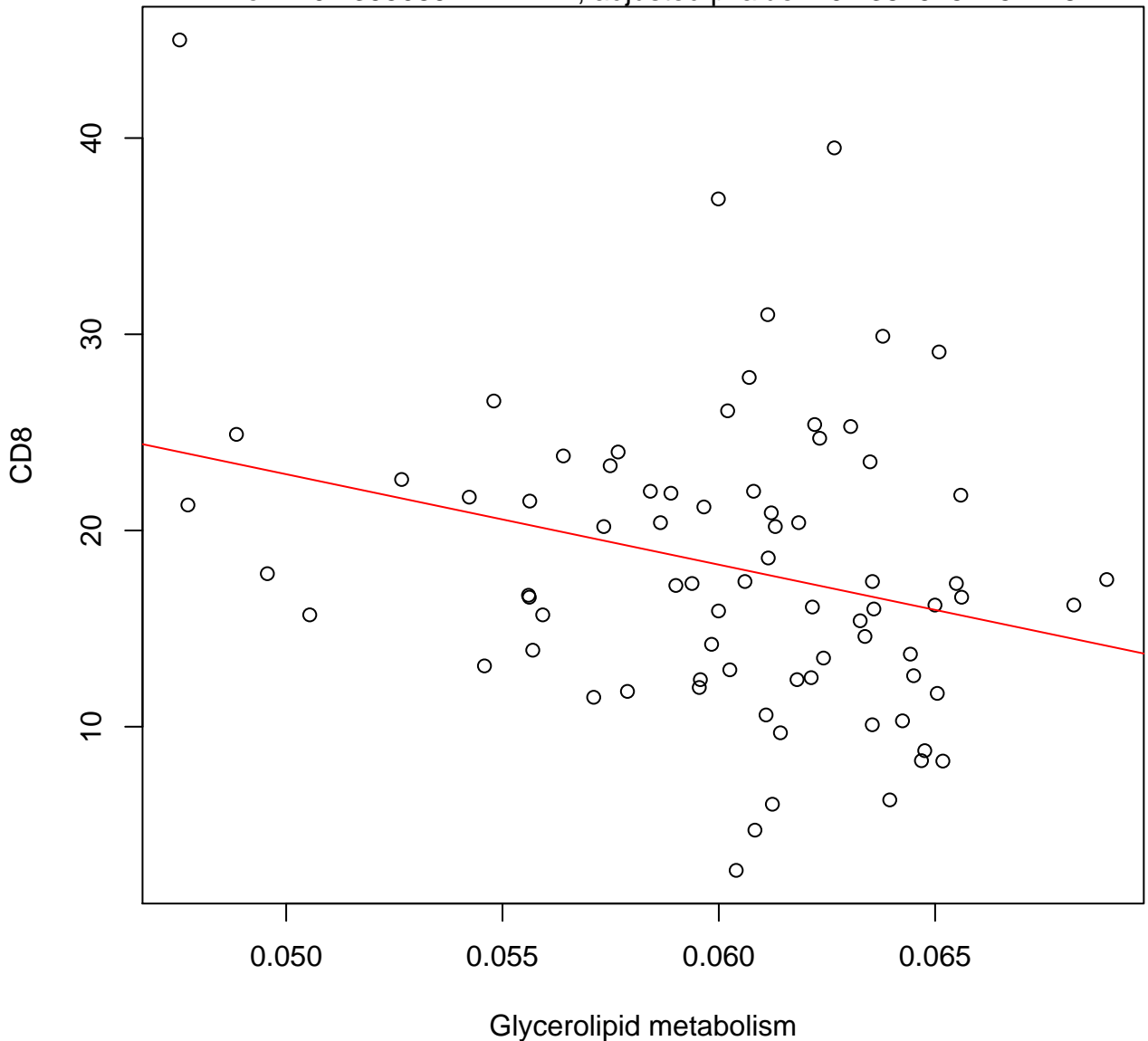
Timepoint 2 , CD8 ~ Glycosyltransferases

Rho = 0.323191447795654, adjusted pvalue = 0.0493251965222054



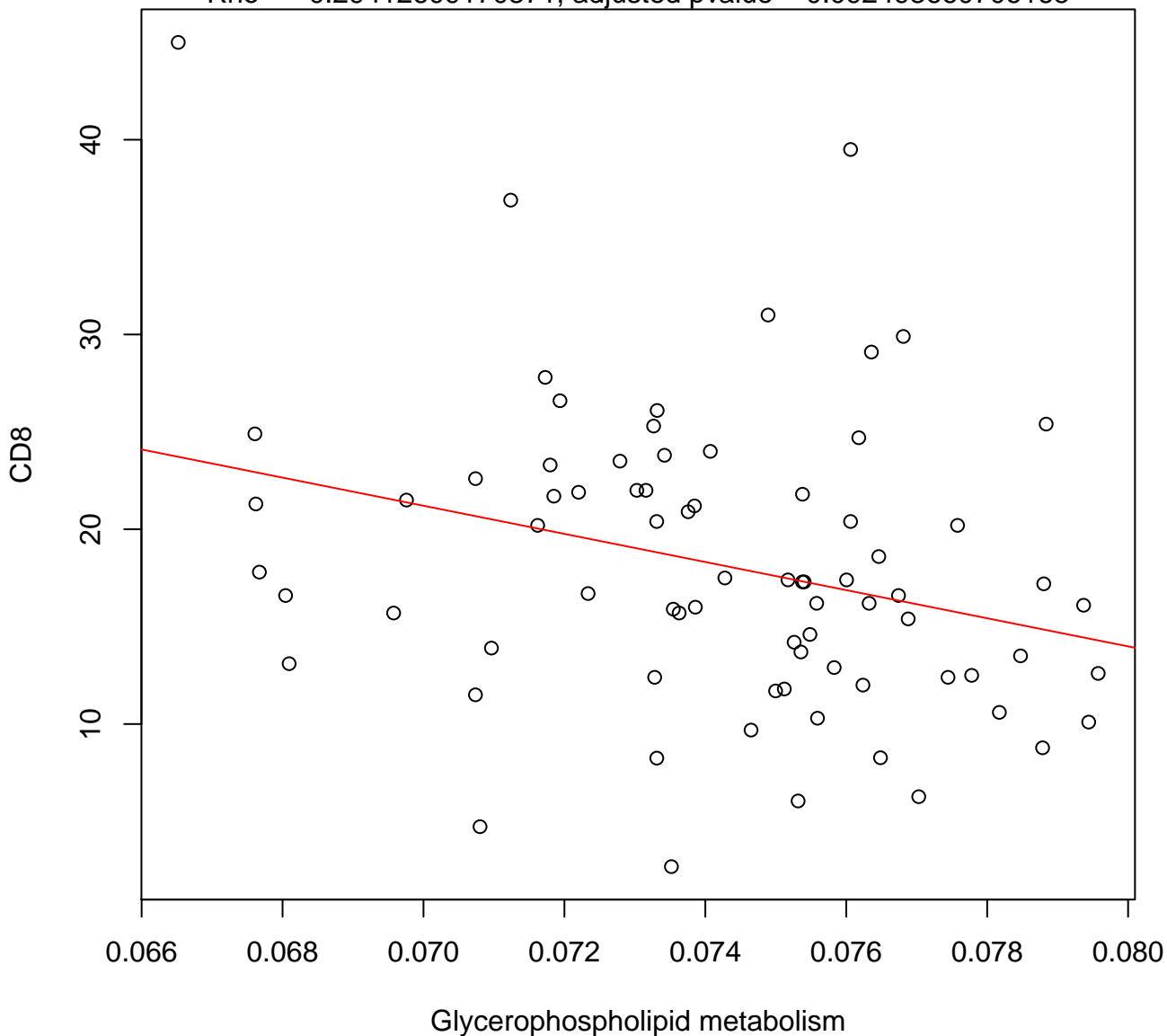
Timepoint 2 , CD8 ~ Glycerolipid metabolism

Rho = -0.239508924447211 , adjusted pvalue = 0.13879252254478



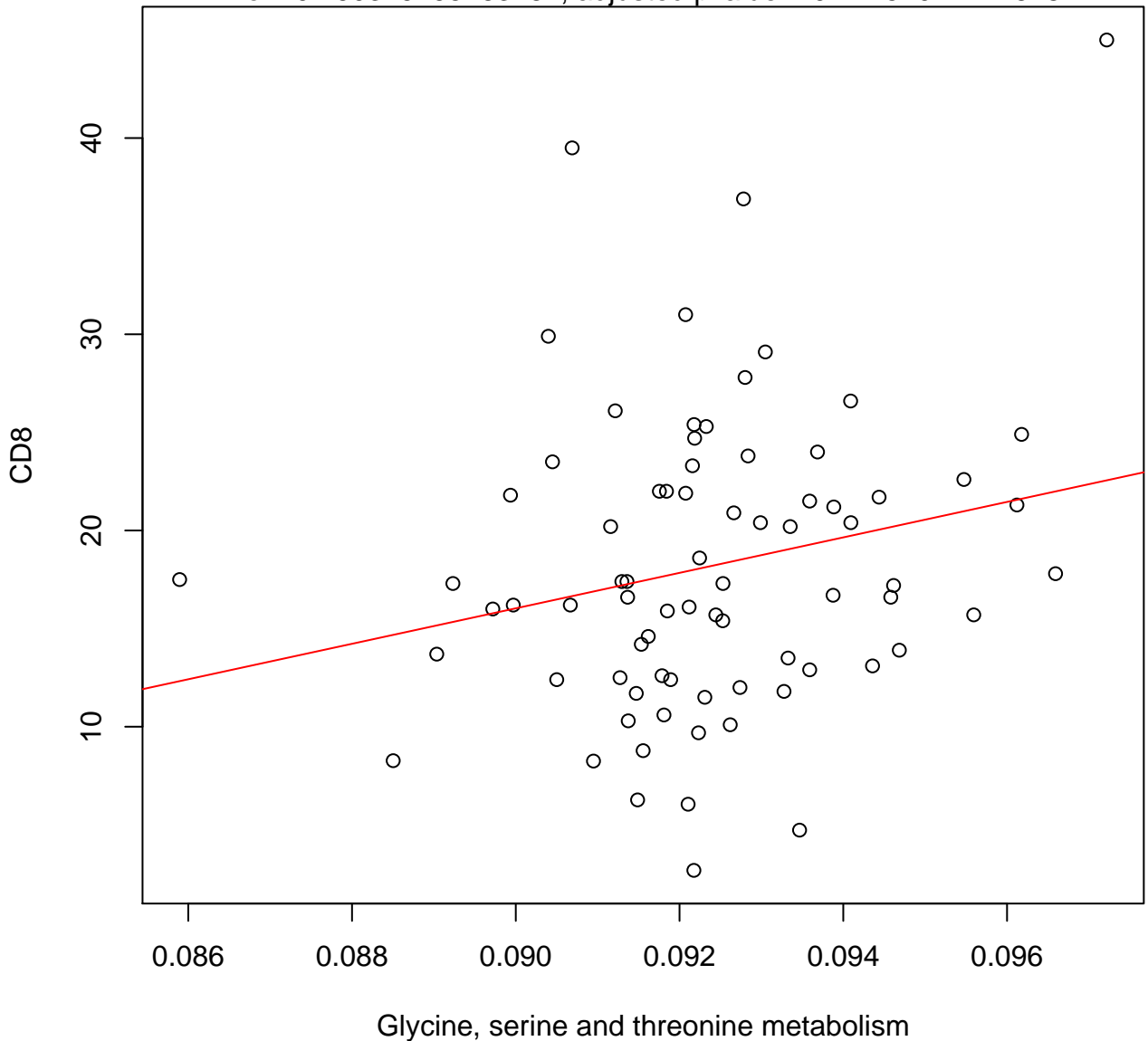
Timepoint 2 , CD8 ~ Glycerophospholipid metabolism

Rho = -0.29412609170371 , adjusted pvalue = 0.092493660706165



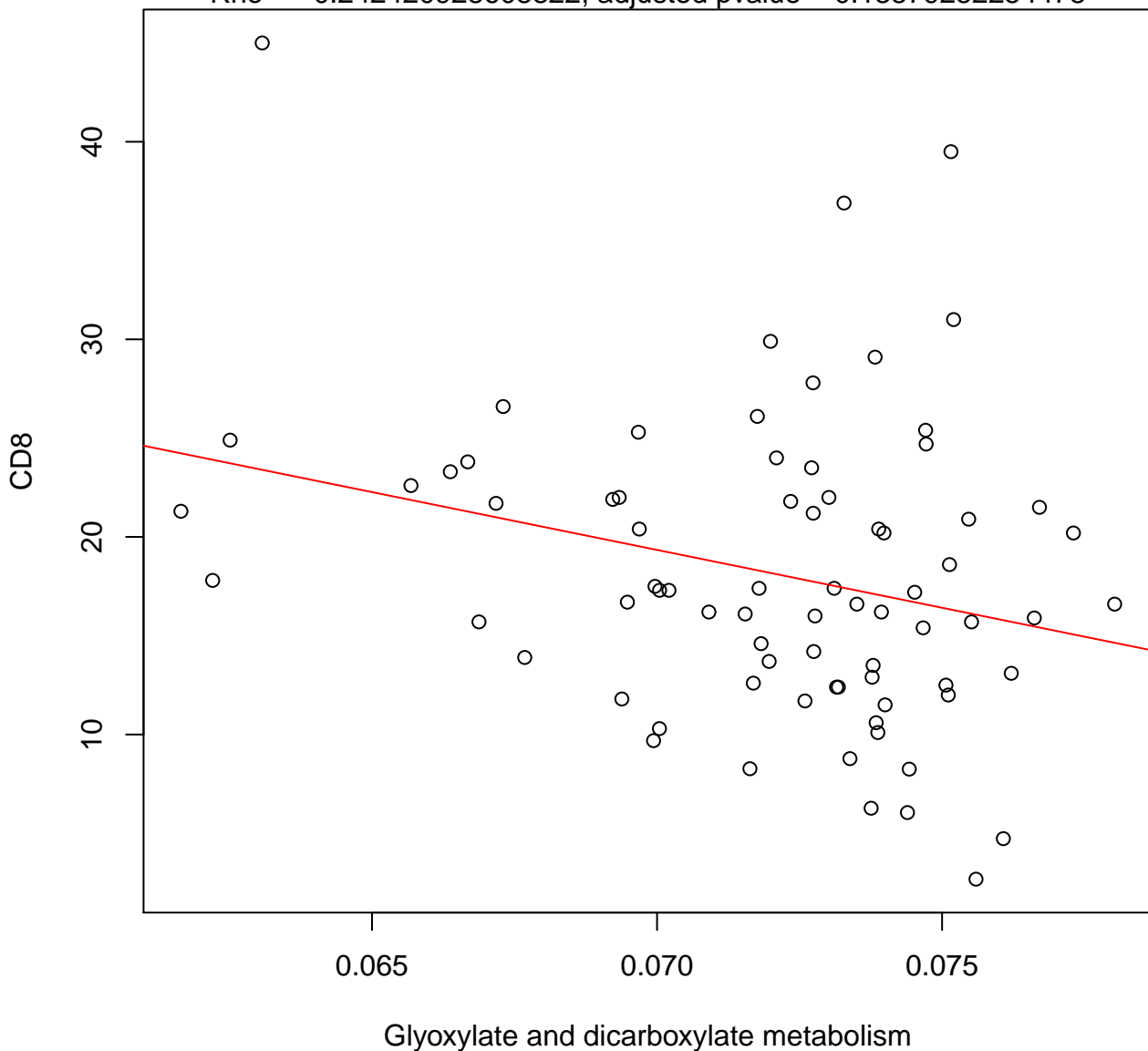
Timepoint 2 , CD8 ~ Glycine, serine and threonine metabolism

Rho = 0.190319295463761, adjusted pvalue = 0.214540471426282



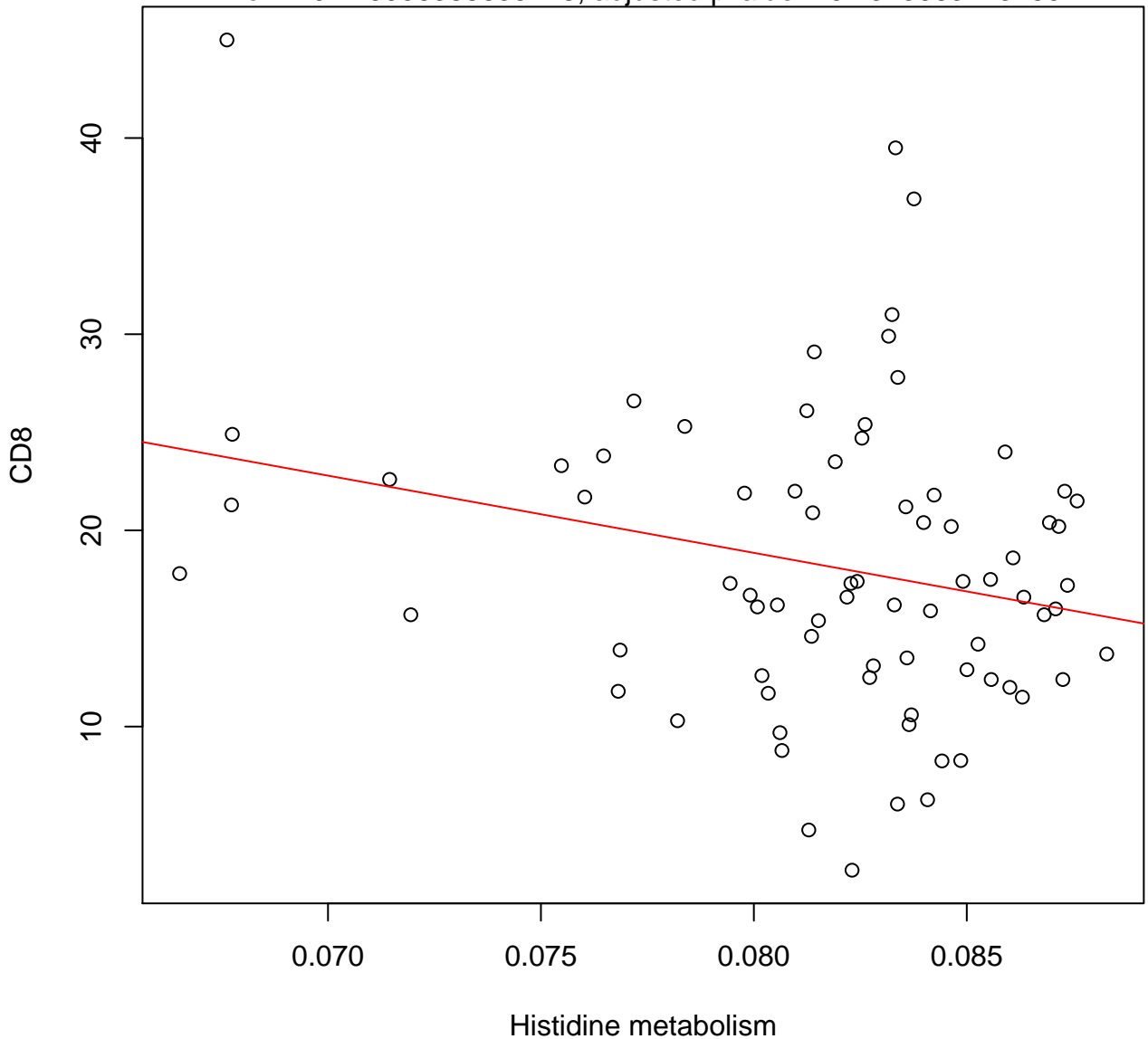
Timepoint 2 , CD8 ~ Glyoxylate and dicarboxylate metabolism

Rho = -0.242420928608822 , adjusted pvalue = 0.13879252254478



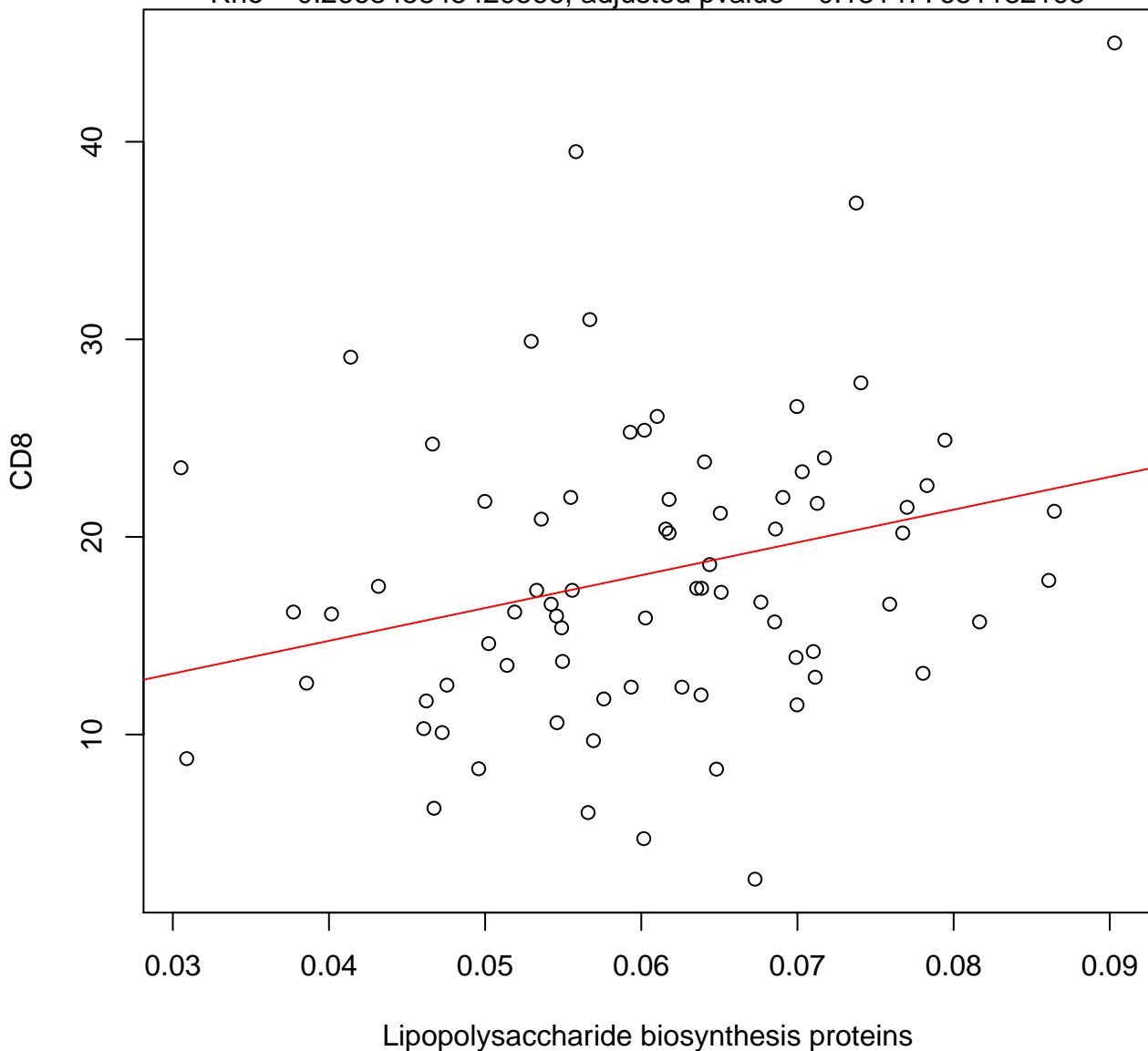
Timepoint 2 , CD8 ~ Histidine metabolism

Rho = -0.179956388635118 , adjusted pvalue = 0.23136632434807



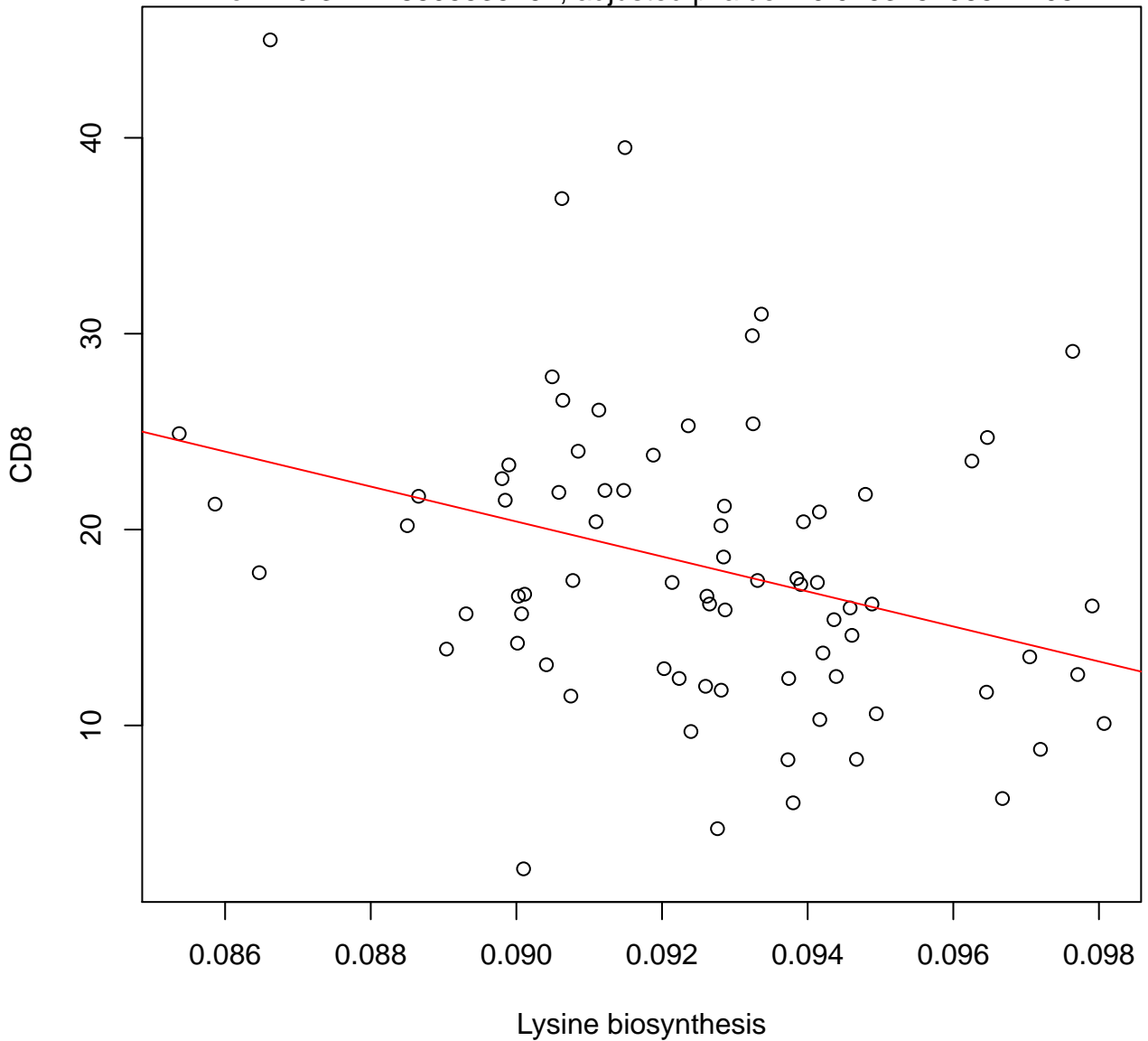
Timepoint 2 , CD8 ~ Lipopolysaccharide biosynthesis proteins

Rho = 0.266345845429566, adjusted pvalue = 0.131477651182195



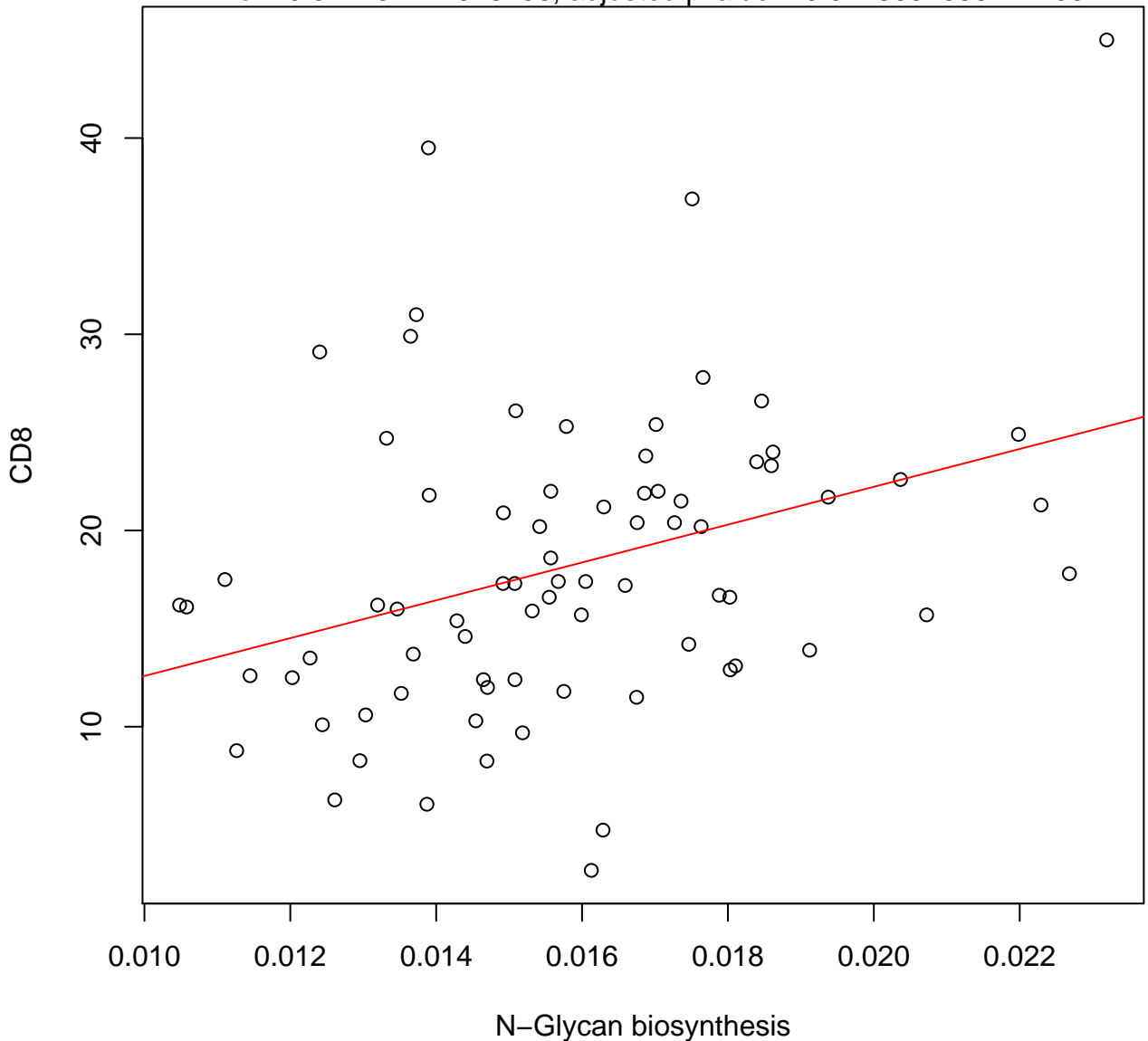
Timepoint 2 , CD8 ~ Lysine biosynthesis

Rho = -0.327128805535297 , adjusted pvalue = 0.0493251965222054



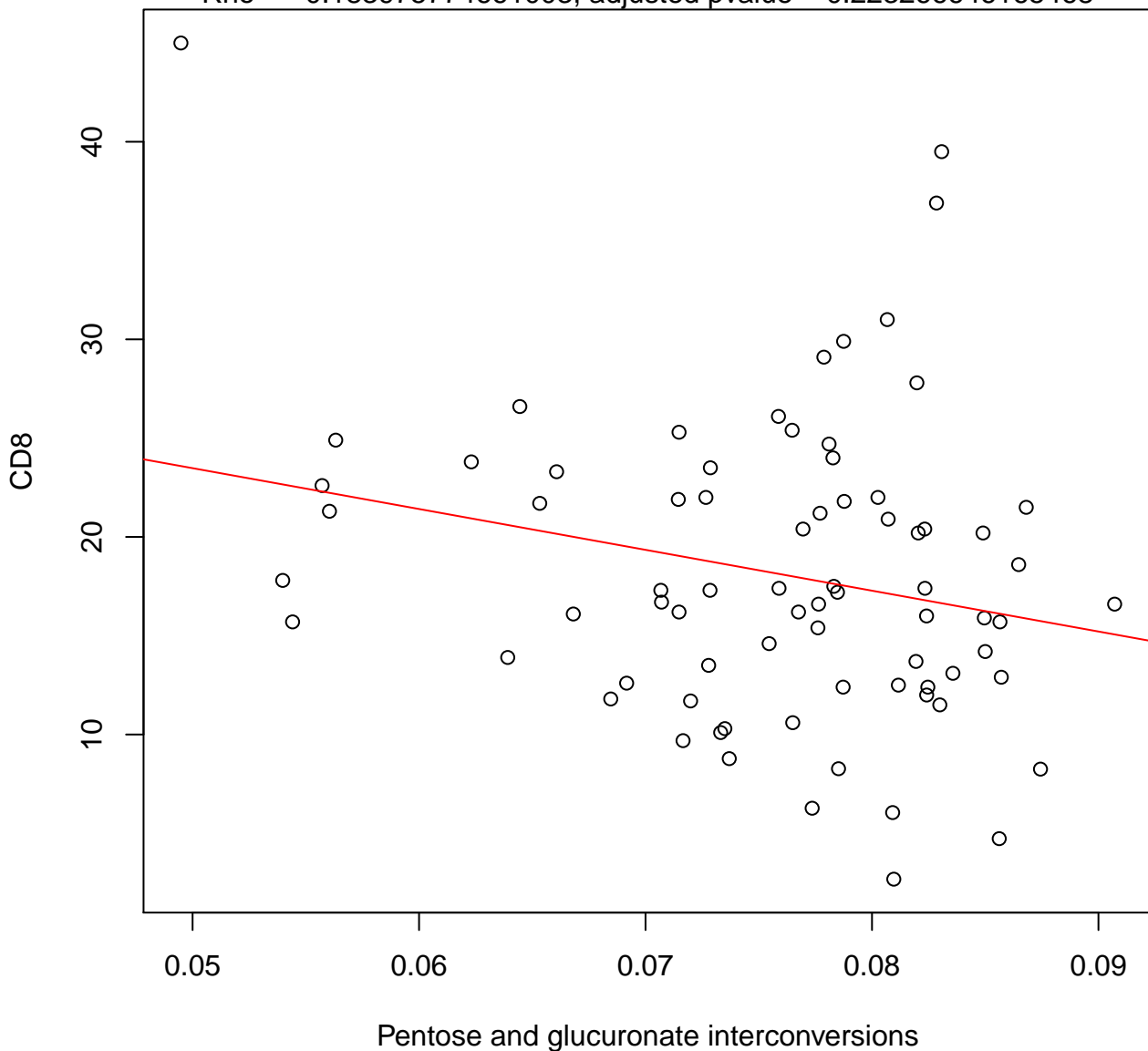
Timepoint 2 , CD8 ~ N-Glycan biosynthesis

Rho = 0.377234417048456, adjusted pvalue = 0.0218891666112455



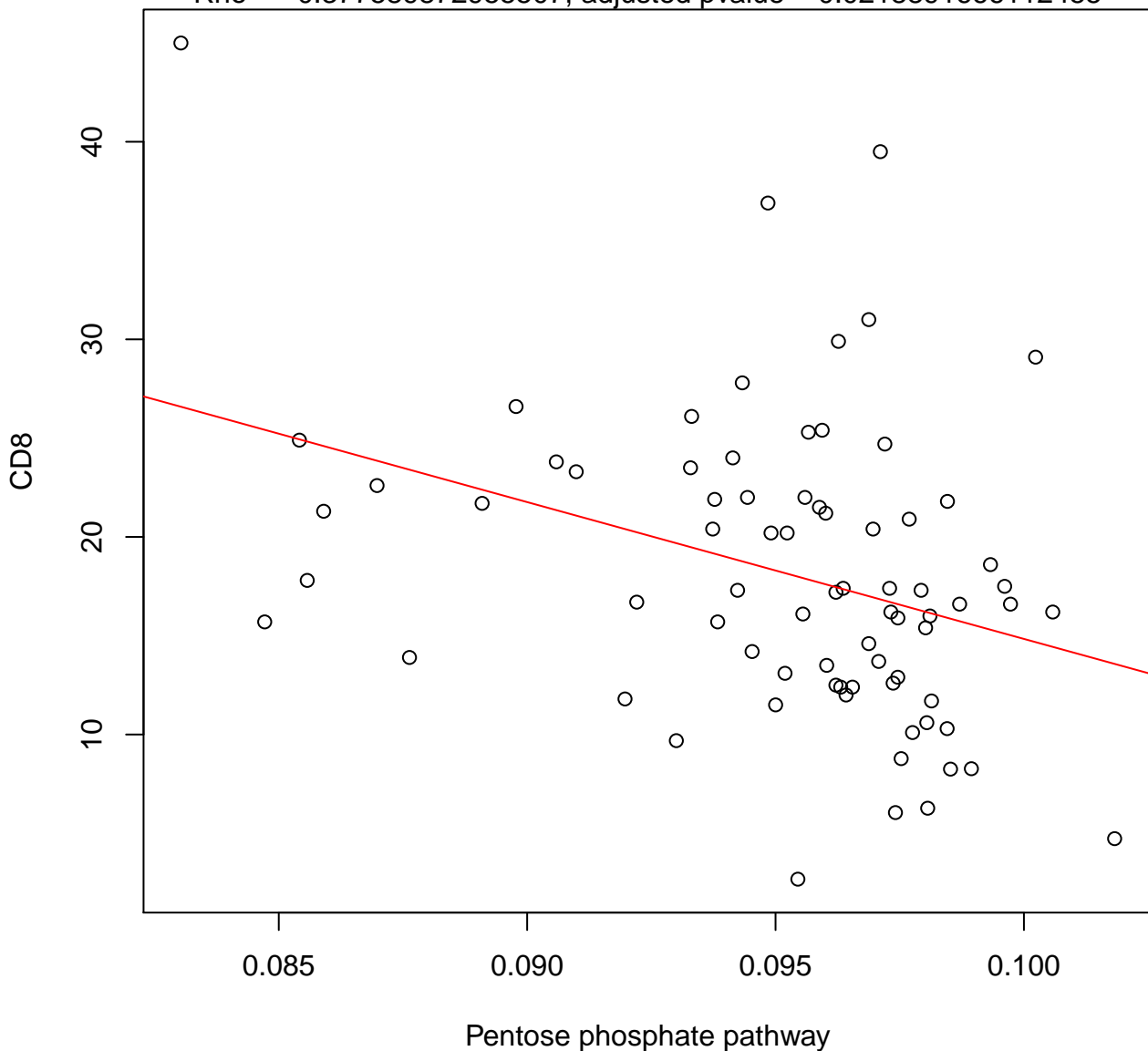
Timepoint 2 , CD8 ~ Pentose and glucuronate interconversions

Rho = -0.183975774661003 , adjusted pvalue = 0.223266646165468



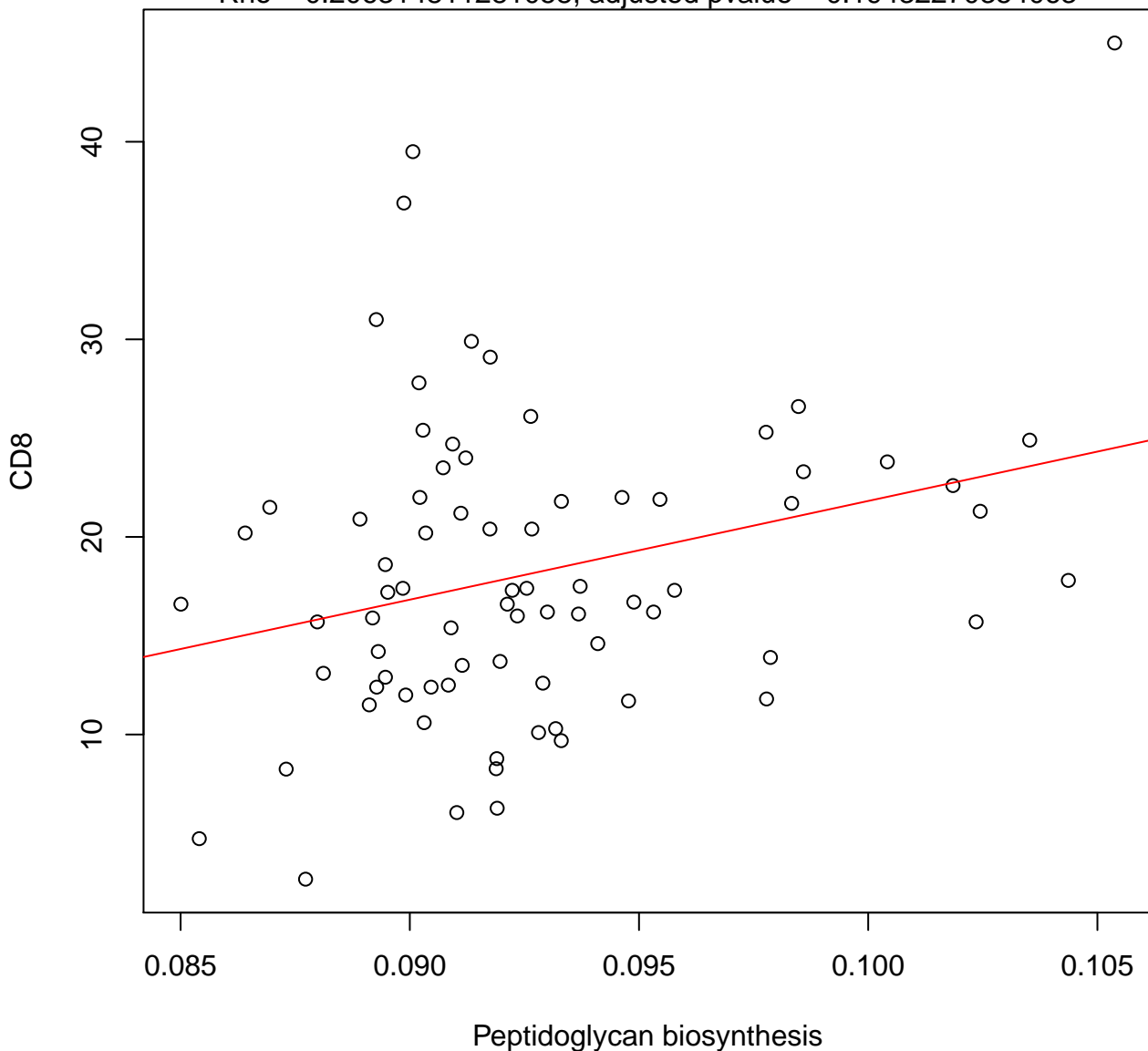
Timepoint 2 , CD8 ~ Pentose phosphate pathway

Rho = -0.377589872955507 , adjusted pvalue = 0.0218891666112455



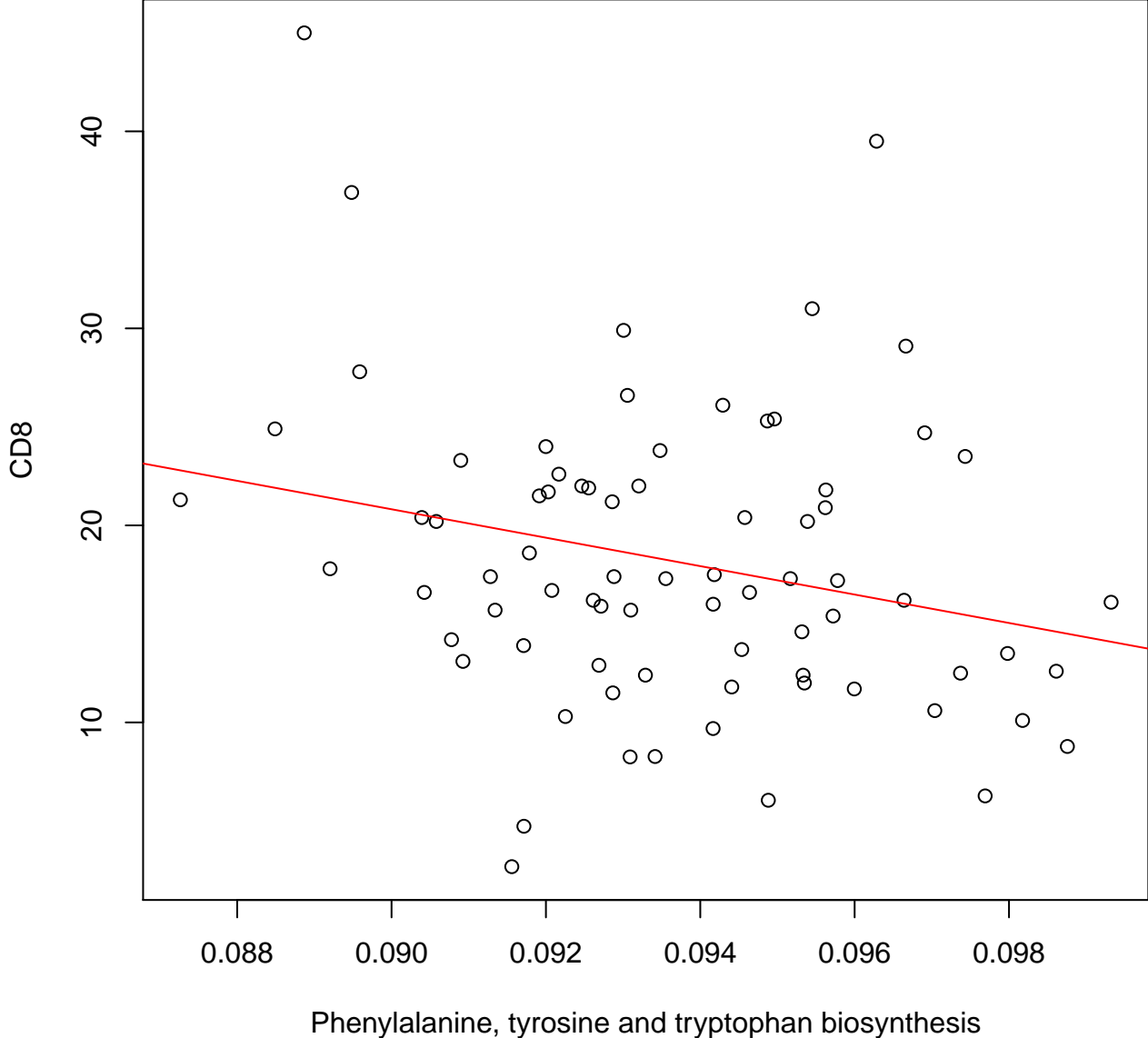
Timepoint 2 , CD8 ~ Peptidoglycan biosynthesis

Rho = 0.206314811281058, adjusted pvalue = 0.19432270354063



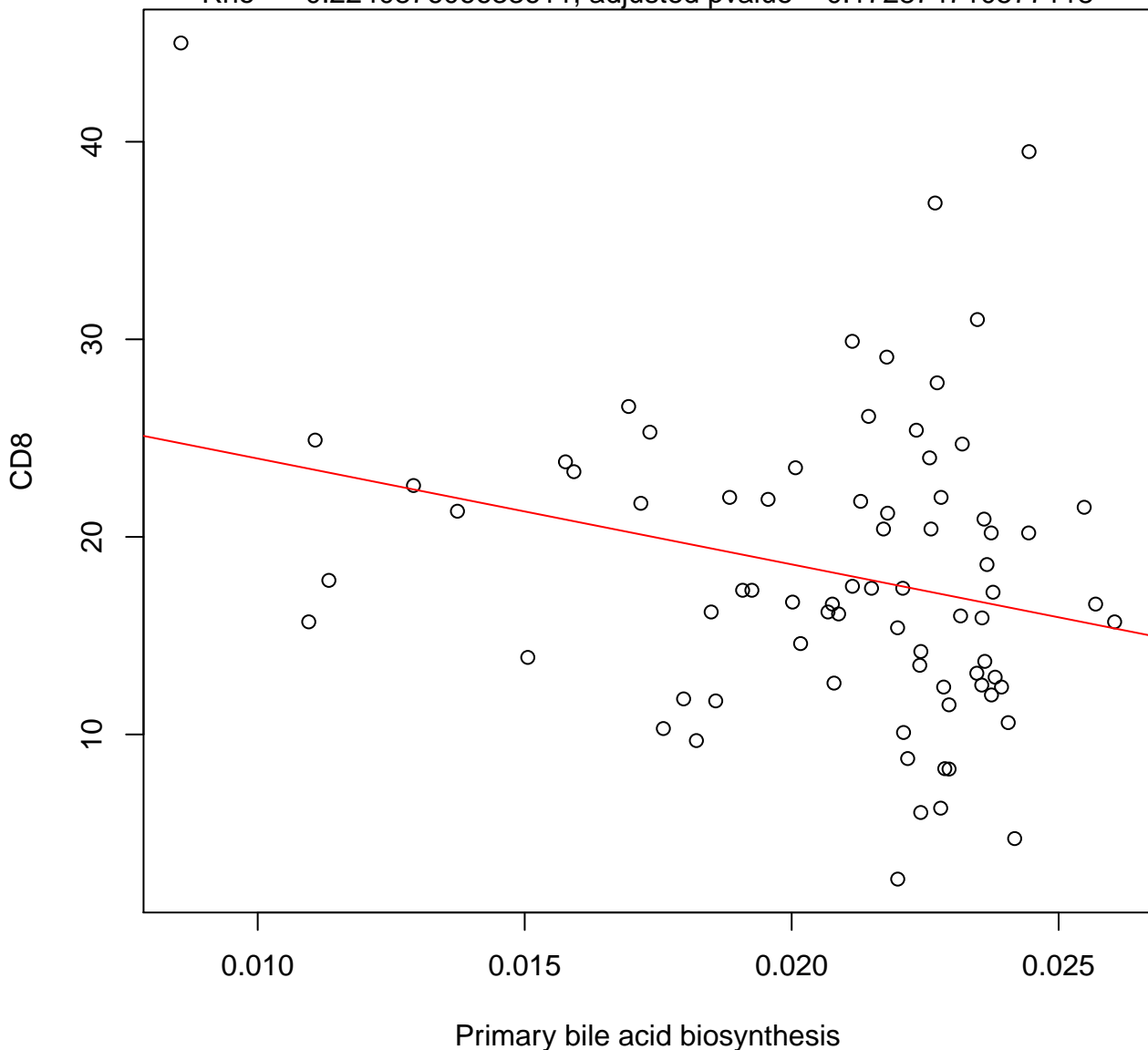
Timepoint 2 , CD8 ~ Phenylalanine, tyrosine and tryptophan biosynthesis

Rho = -0.217566357877328, adjusted pvalue = 0.173991693990705



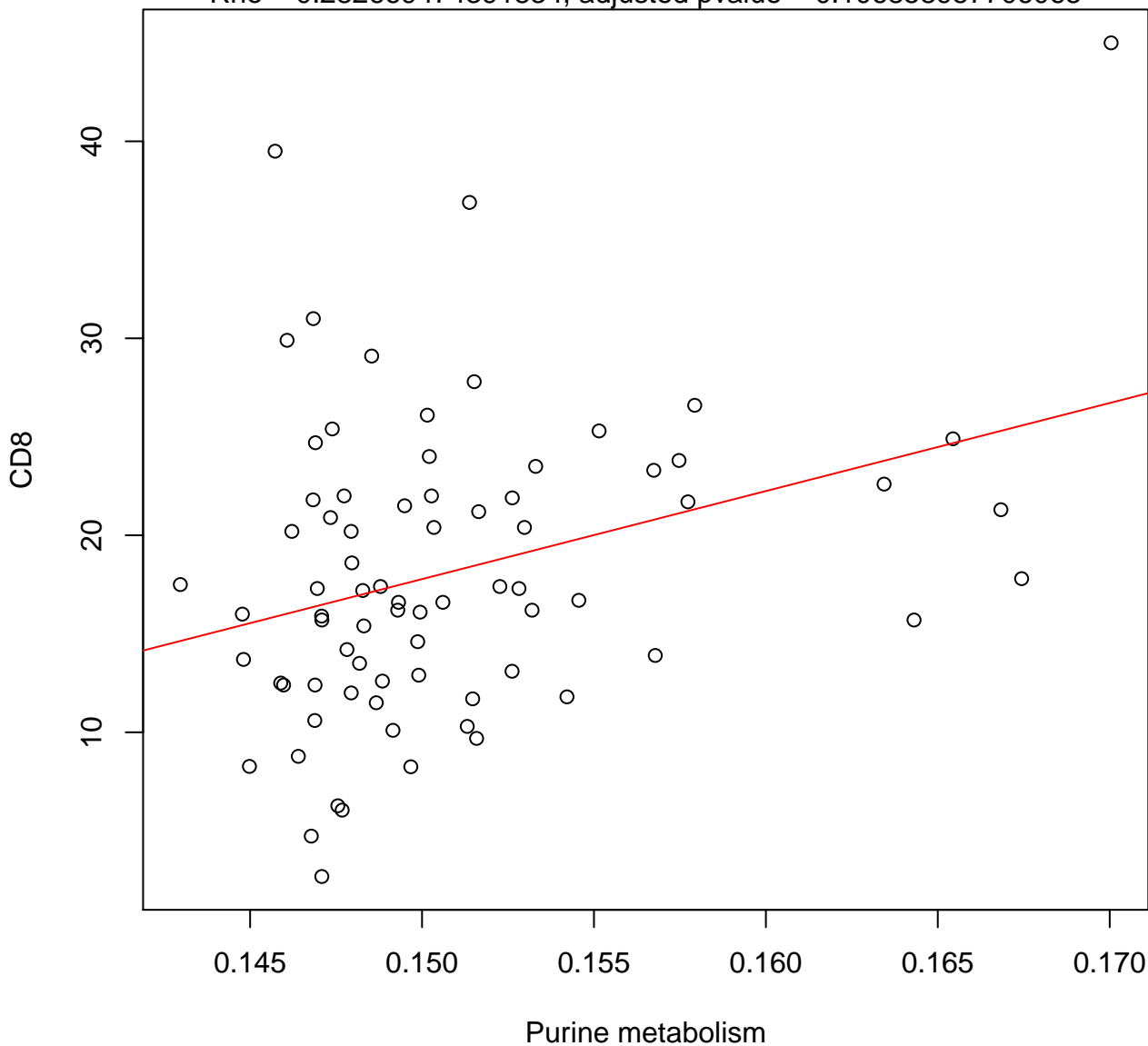
Timepoint 2 , CD8 ~ Primary bile acid biosynthesis

Rho = -0.224087606633611 , adjusted pvalue = 0.172874710577118



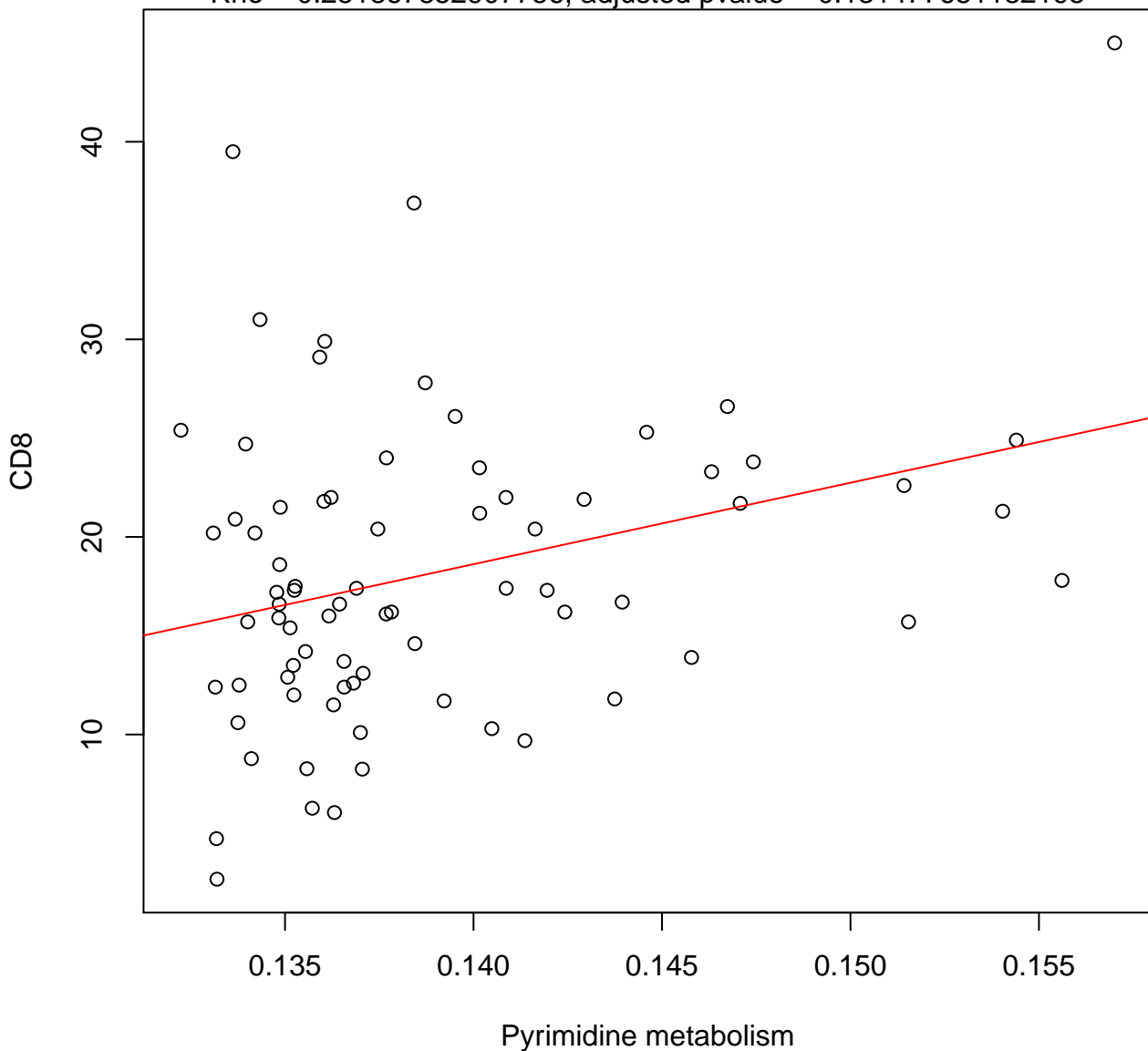
Timepoint 2 , CD8 ~ Purine metabolism

Rho = 0.282669474391834, adjusted pvalue = 0.106858957706065



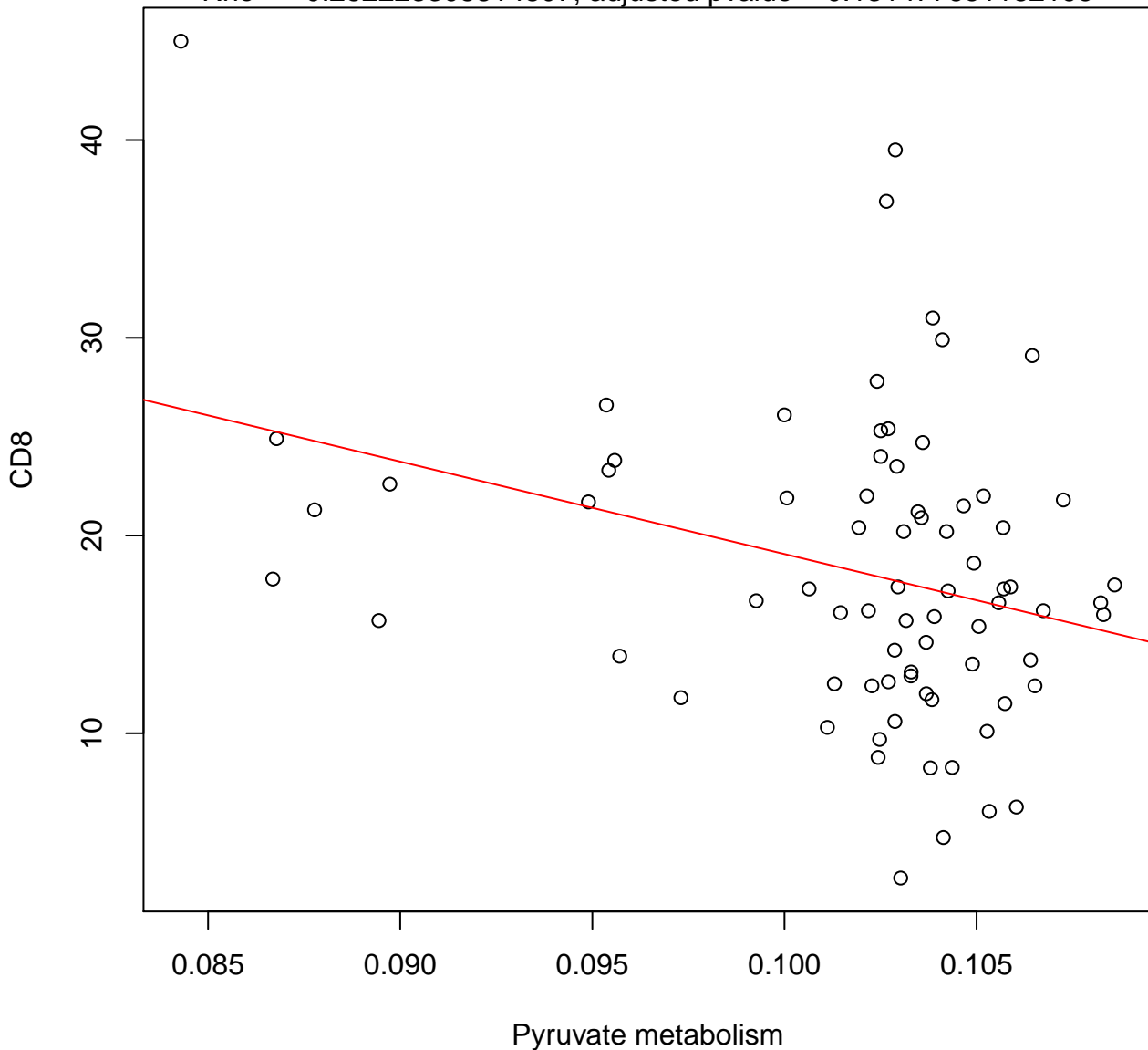
Timepoint 2 , CD8 ~ Pyrimidine metabolism

Rho = 0.251867852907756, adjusted pvalue = 0.131477651182195



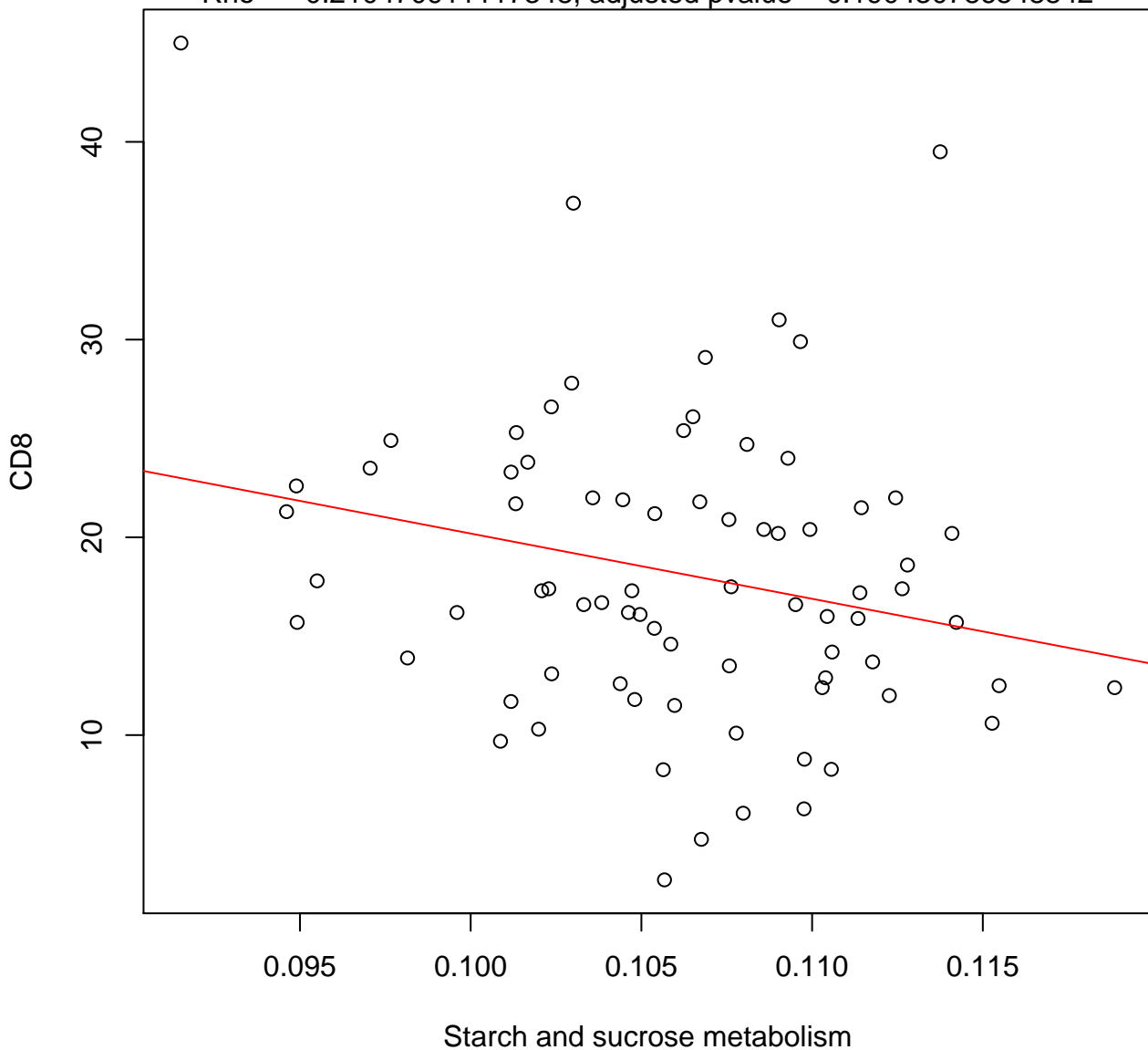
Timepoint 2 , CD8 ~ Pyruvate metabolism

Rho = -0.252223308814807 , adjusted pvalue = 0.131477651182195



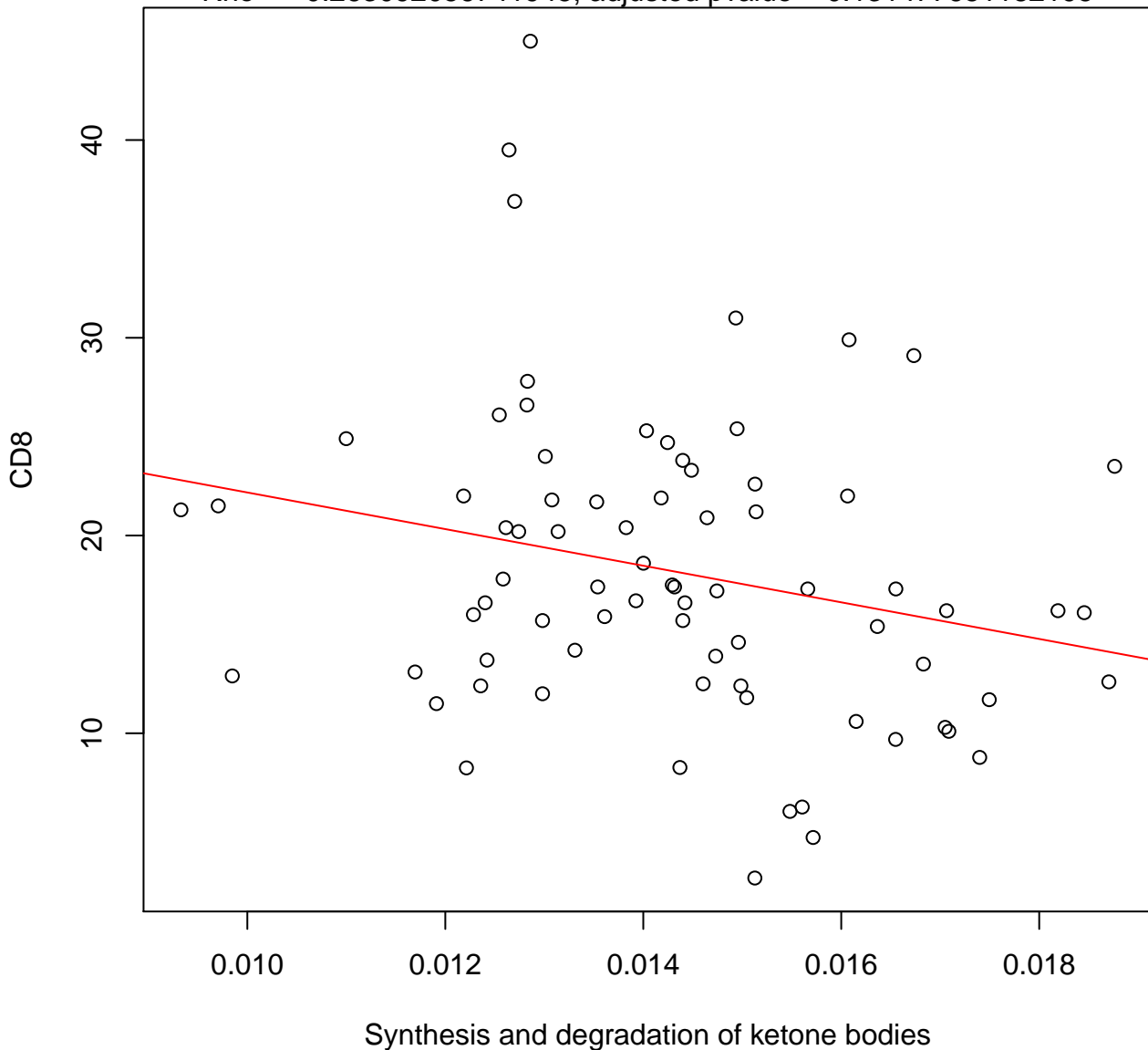
Timepoint 2 , CD8 ~ Starch and sucrose metabolism

Rho = -0.21047091117348 , adjusted pvalue = 0.190430786548842



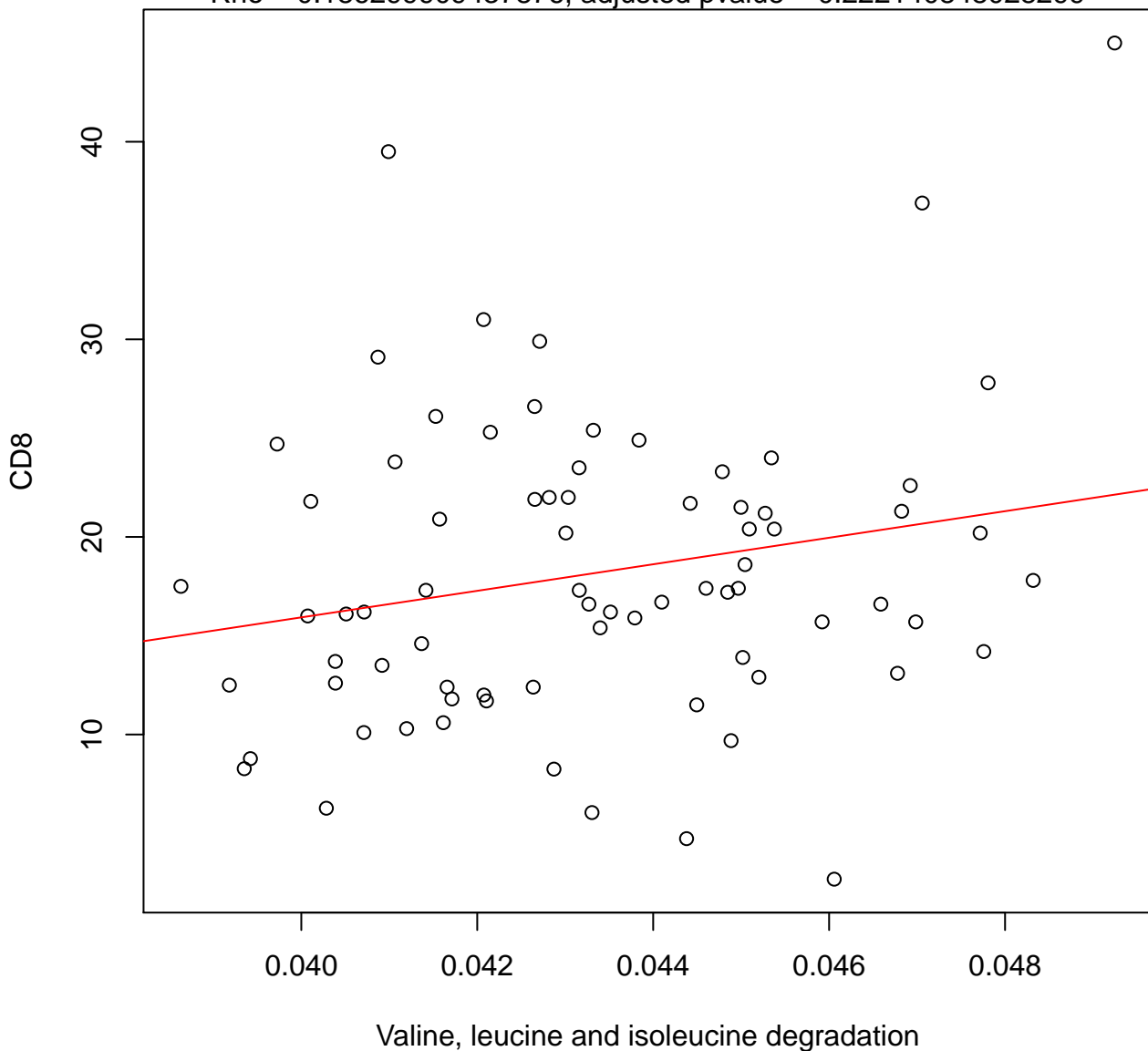
Timepoint 2 , CD8 ~ Synthesis and degradation of ketone bodies

Rho = -0.263092056741945 , adjusted pvalue = 0.131477651182195



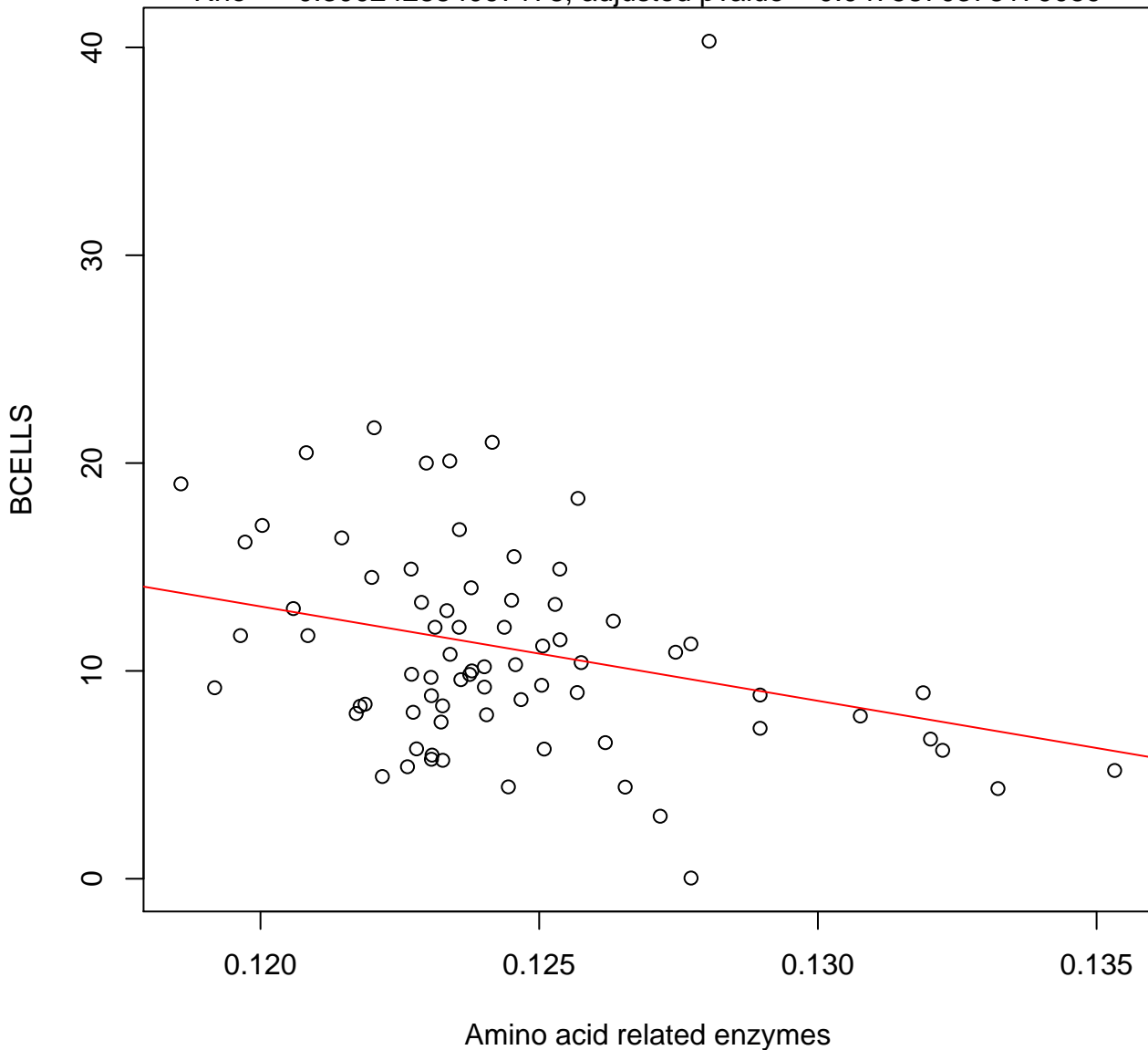
Timepoint 2 , CD8 ~ Valine, leucine and isoleucine degradation

Rho = 0.186299909437876, adjusted pvalue = 0.222140848028299



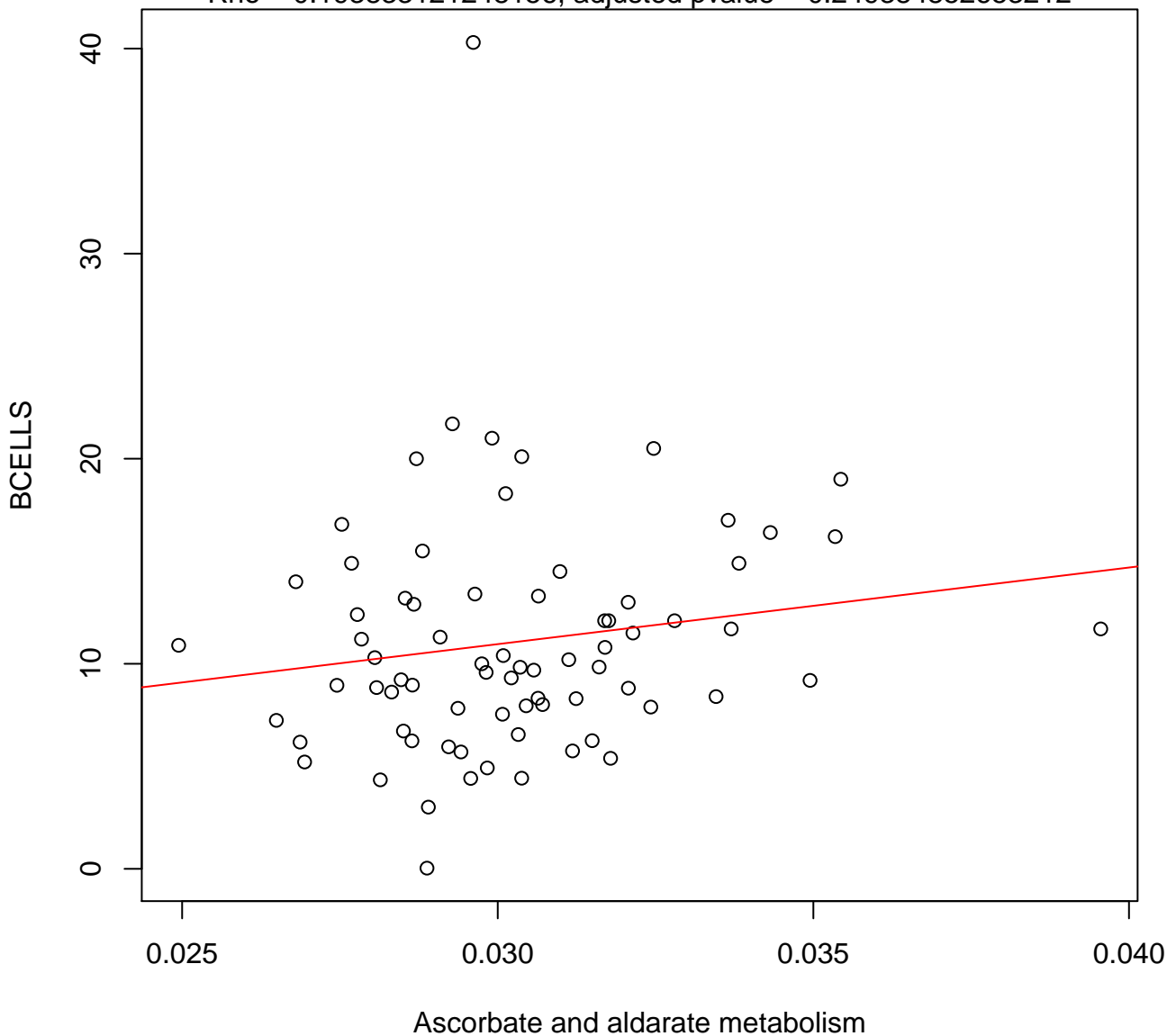
Timepoint 2 , BCELLS ~ Amino acid related enzymes

Rho = -0.300242884097178 , adjusted pvalue = 0.0475870378179059



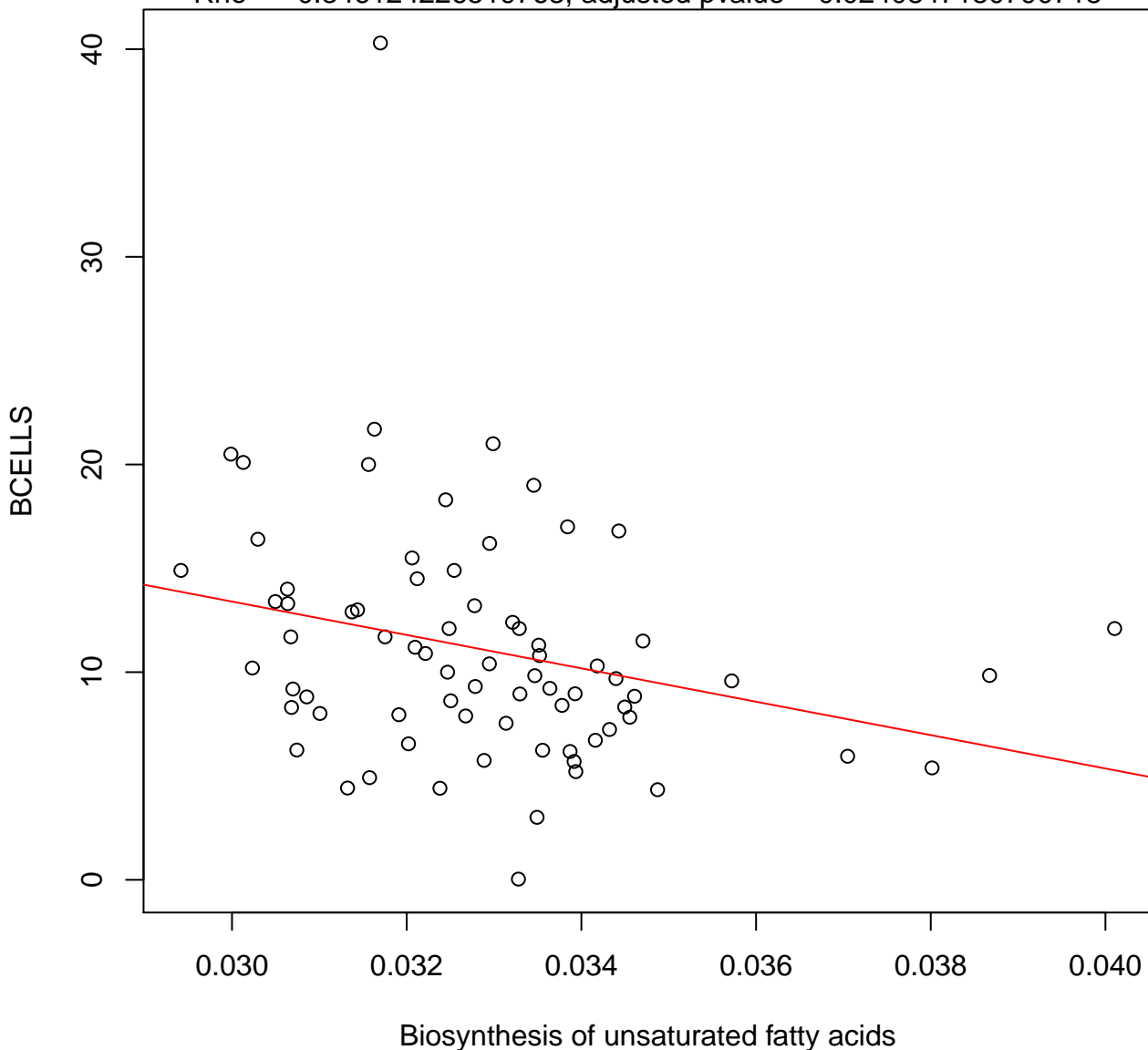
Timepoint 2 , BCELLS ~ Ascorbate and aldarate metabolism

Rho = 0.193833121248156, adjusted pvalue = 0.249384852653212



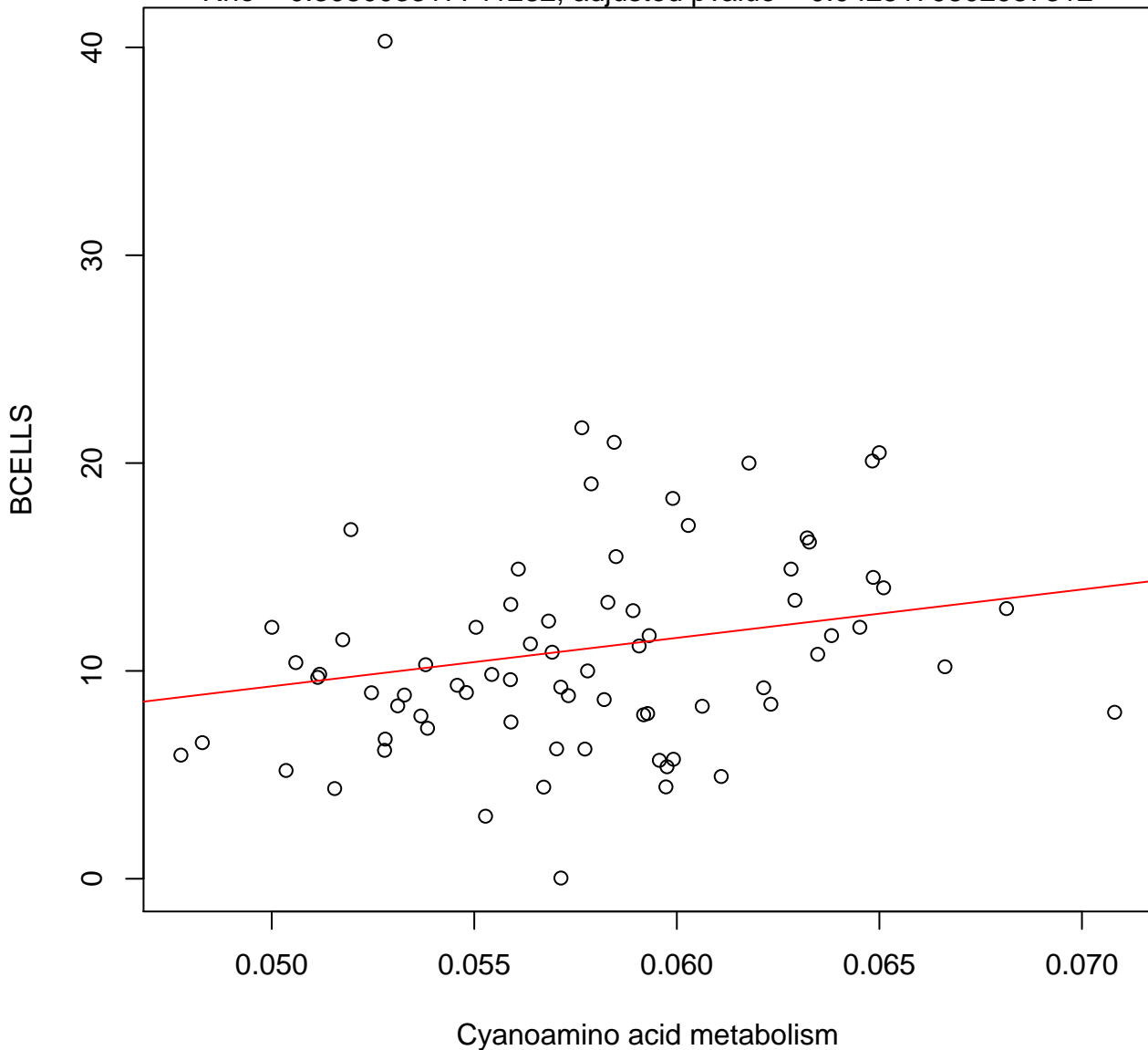
Timepoint 2 , BCELLS ~ Biosynthesis of unsaturated fatty acids

Rho = -0.346124226519763 , adjusted pvalue = 0.0240847180790718



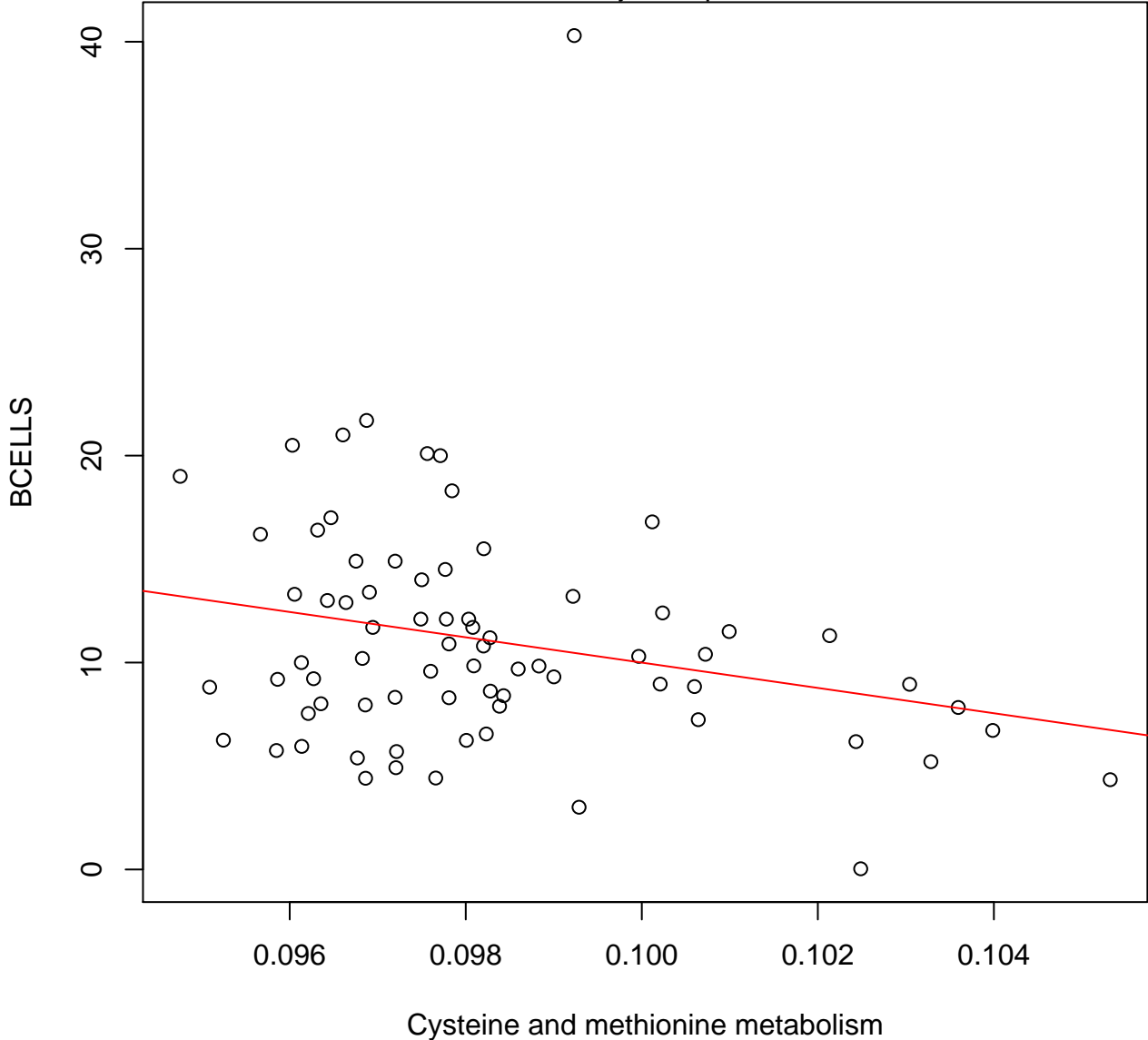
Timepoint 2 , BCELLS ~ Cyanoamino acid metabolism

Rho = 0.308003317741282, adjusted pvalue = 0.0425179502937312



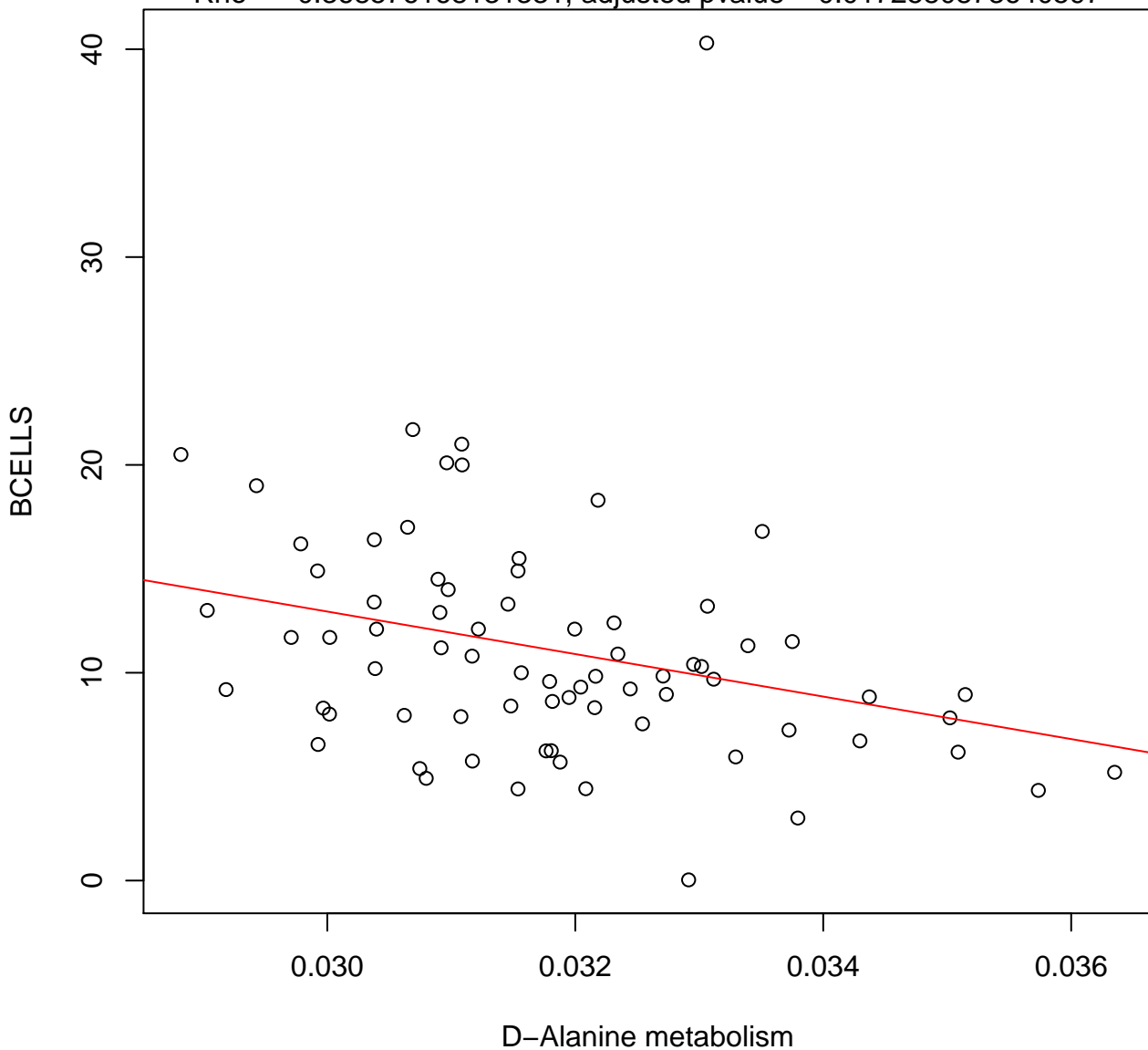
Timepoint 2 , BCELLS ~ Cysteine and methionine metabolism

Rho = -0.223216137183084, adjusted pvalue = 0.164807567092929



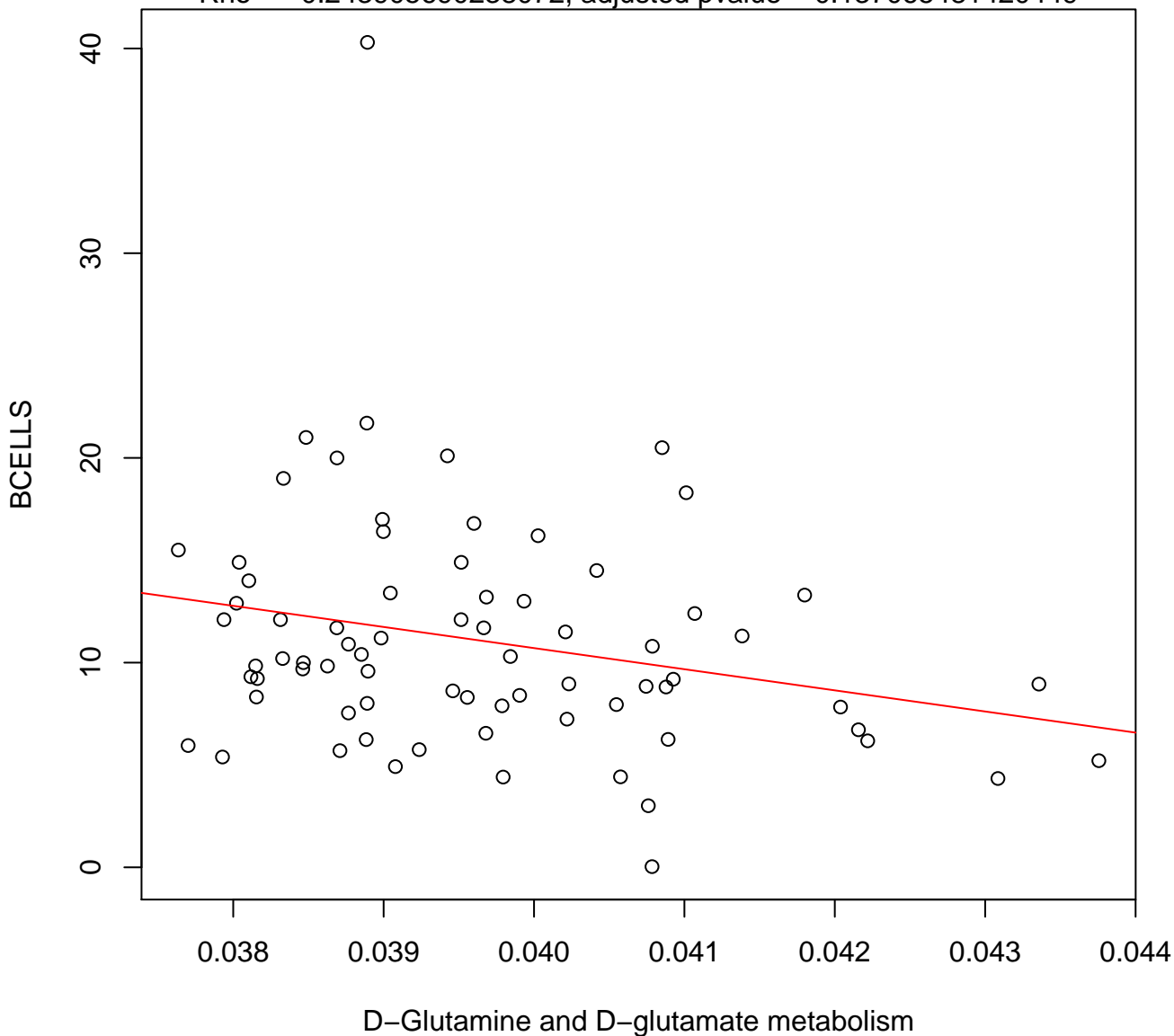
Timepoint 2 , BCELLS ~ D-Alanine metabolism

Rho = -0.368576168131331 , adjusted pvalue = 0.0172580873640597



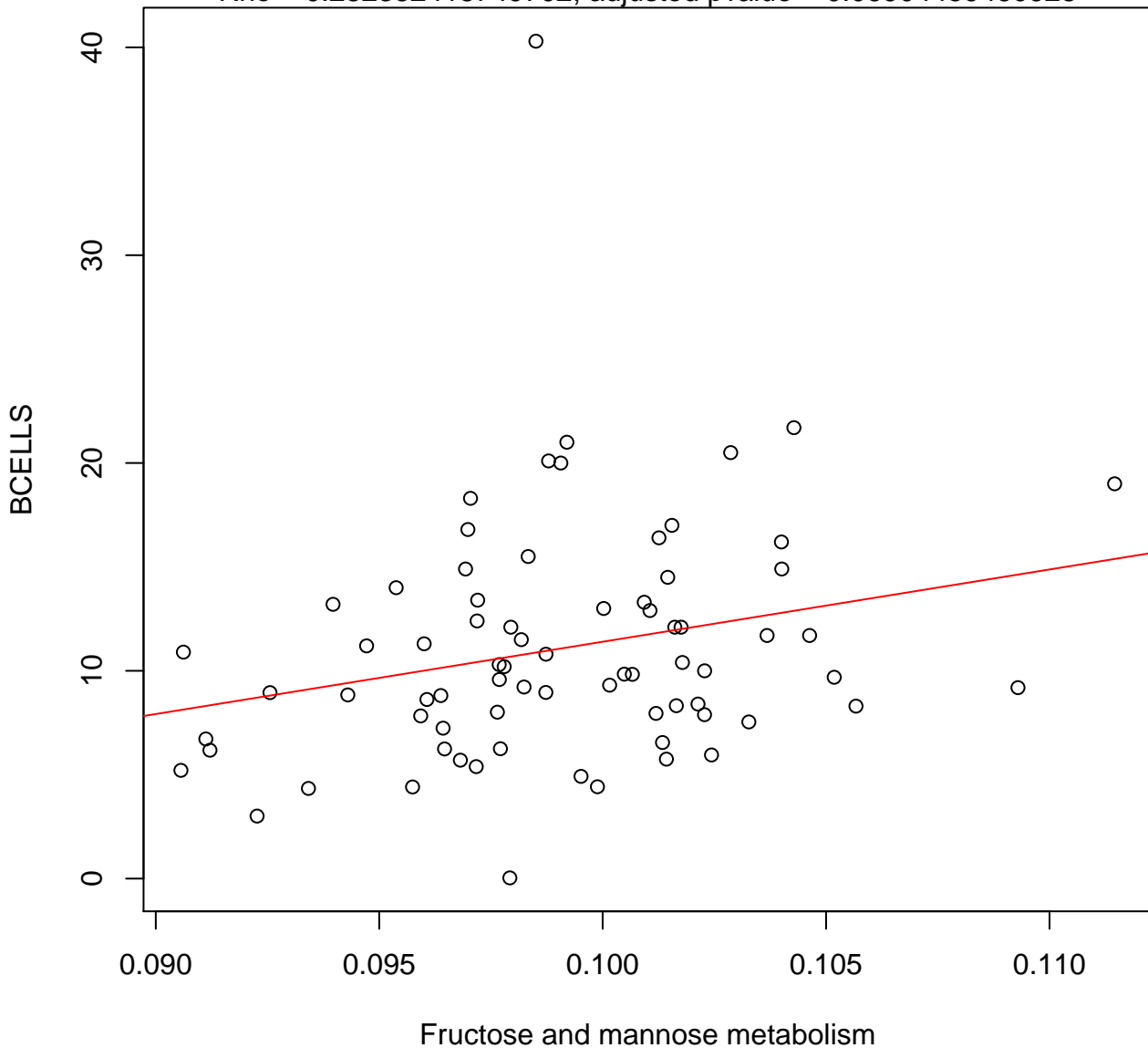
Timepoint 2 , BCELLS ~ D-Glutamine and D-glutamate metabolism

Rho = -0.243905690238072, adjusted pvalue = 0.137065481420449



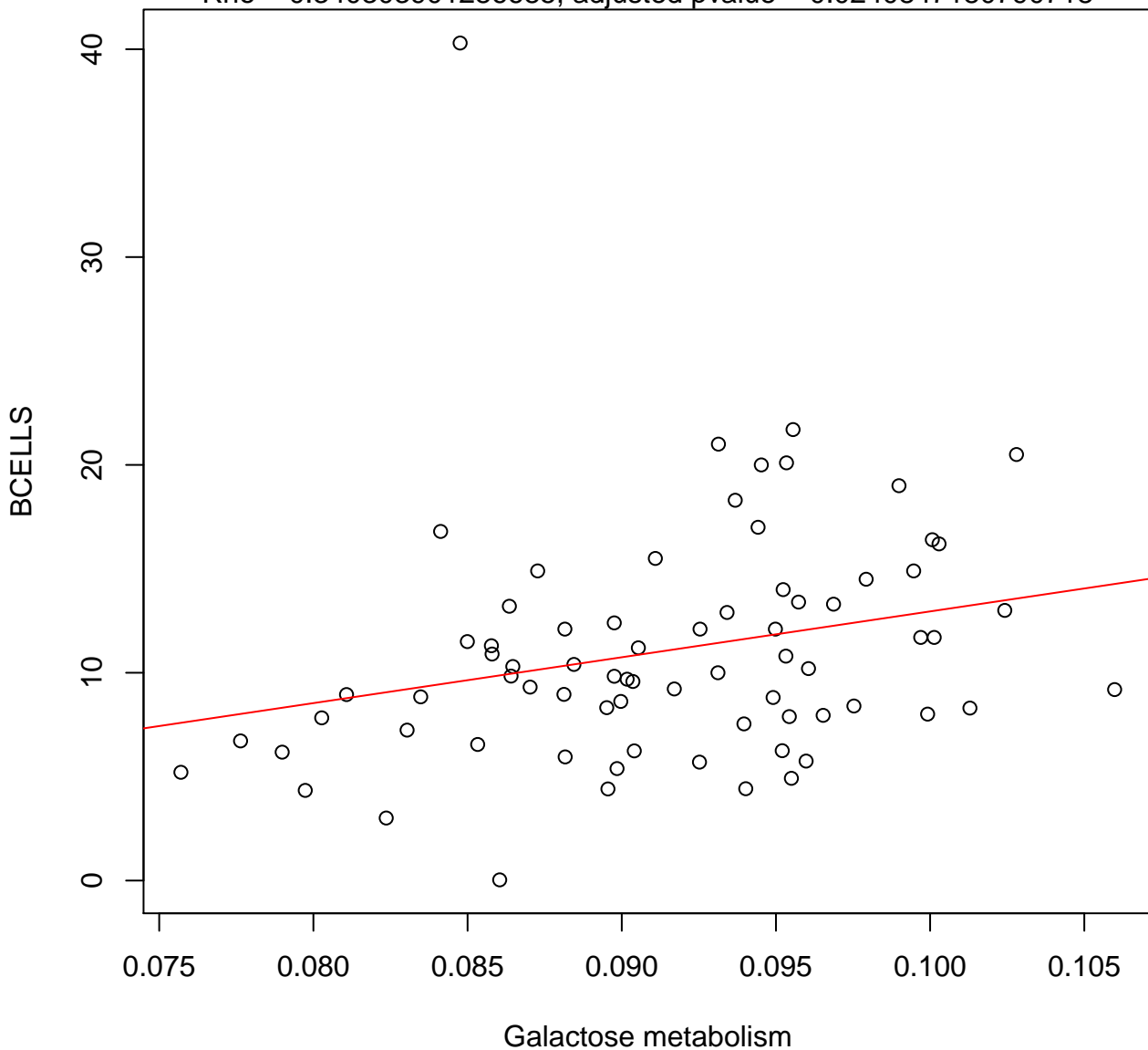
Timepoint 2 , BCELLS ~ Fructose and mannose metabolism

Rho = 0.282352418749702, adjusted pvalue = 0.06904459460928



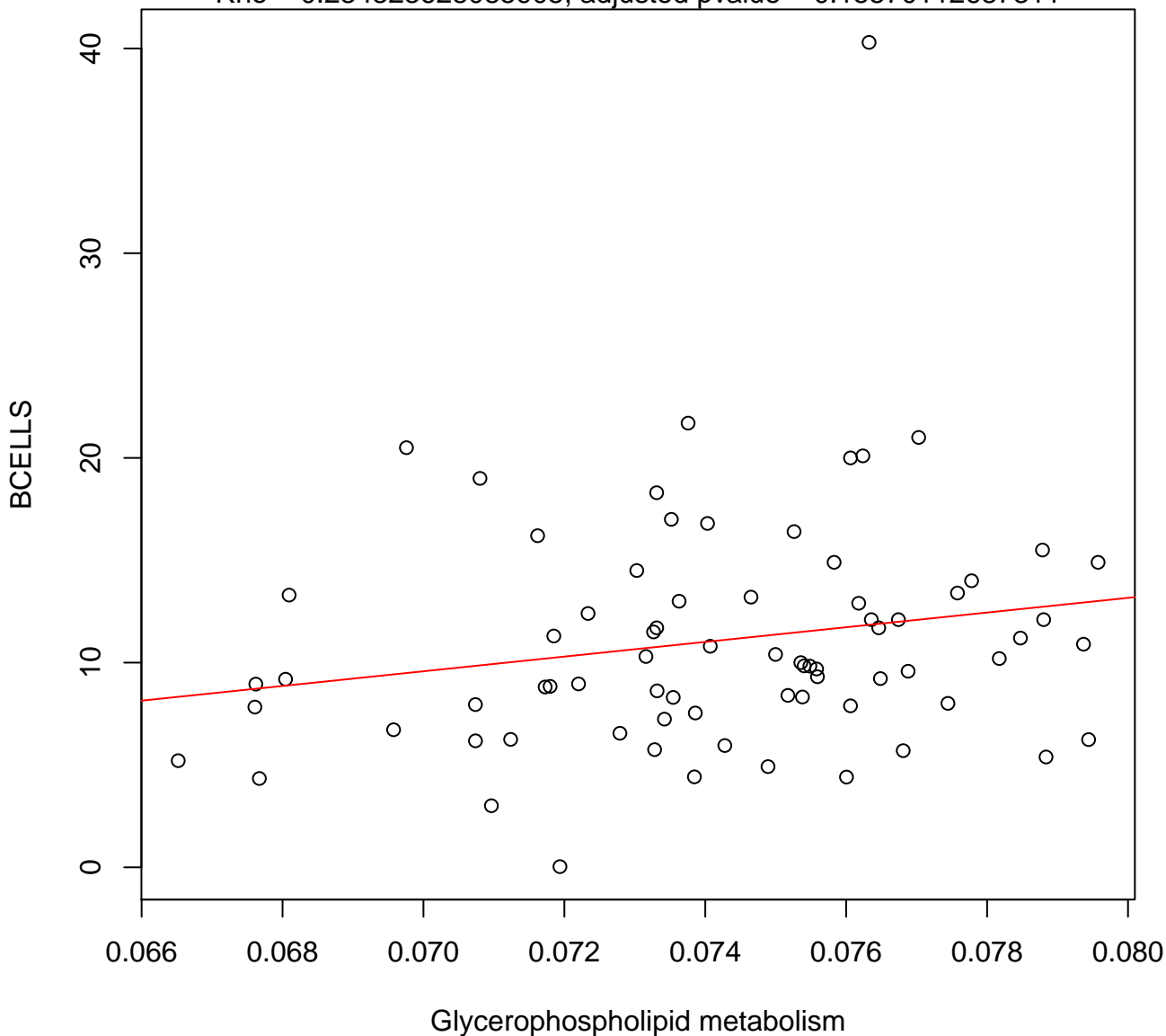
Timepoint 2 , BCELLS ~ Galactose metabolism

Rho = 0.340303901286685, adjusted pvalue = 0.0240847180790718



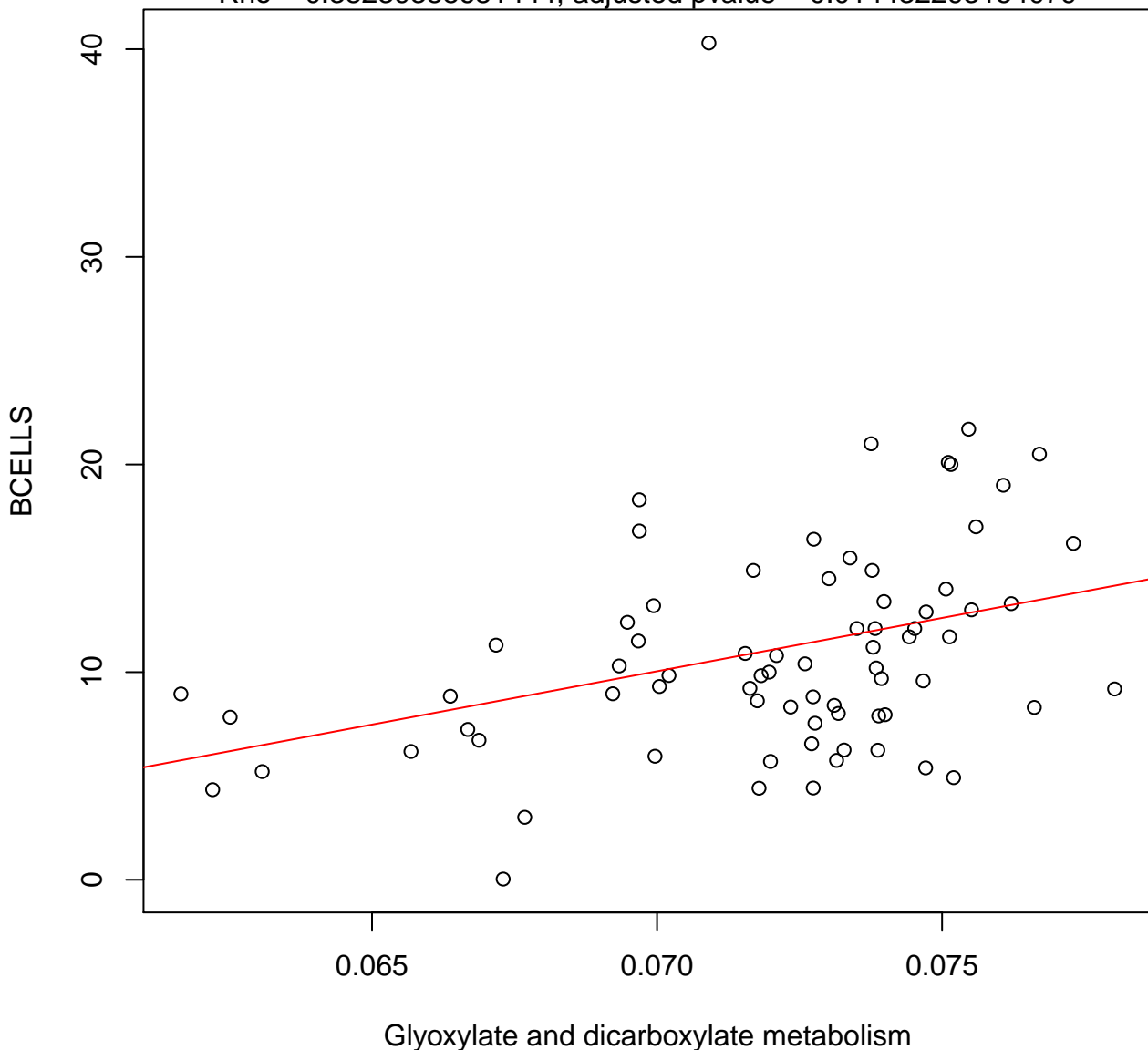
Timepoint 2 , BCELLS ~ Glycerophospholipid metabolism

Rho = 0.234323628085905, adjusted pvalue = 0.15570112687311



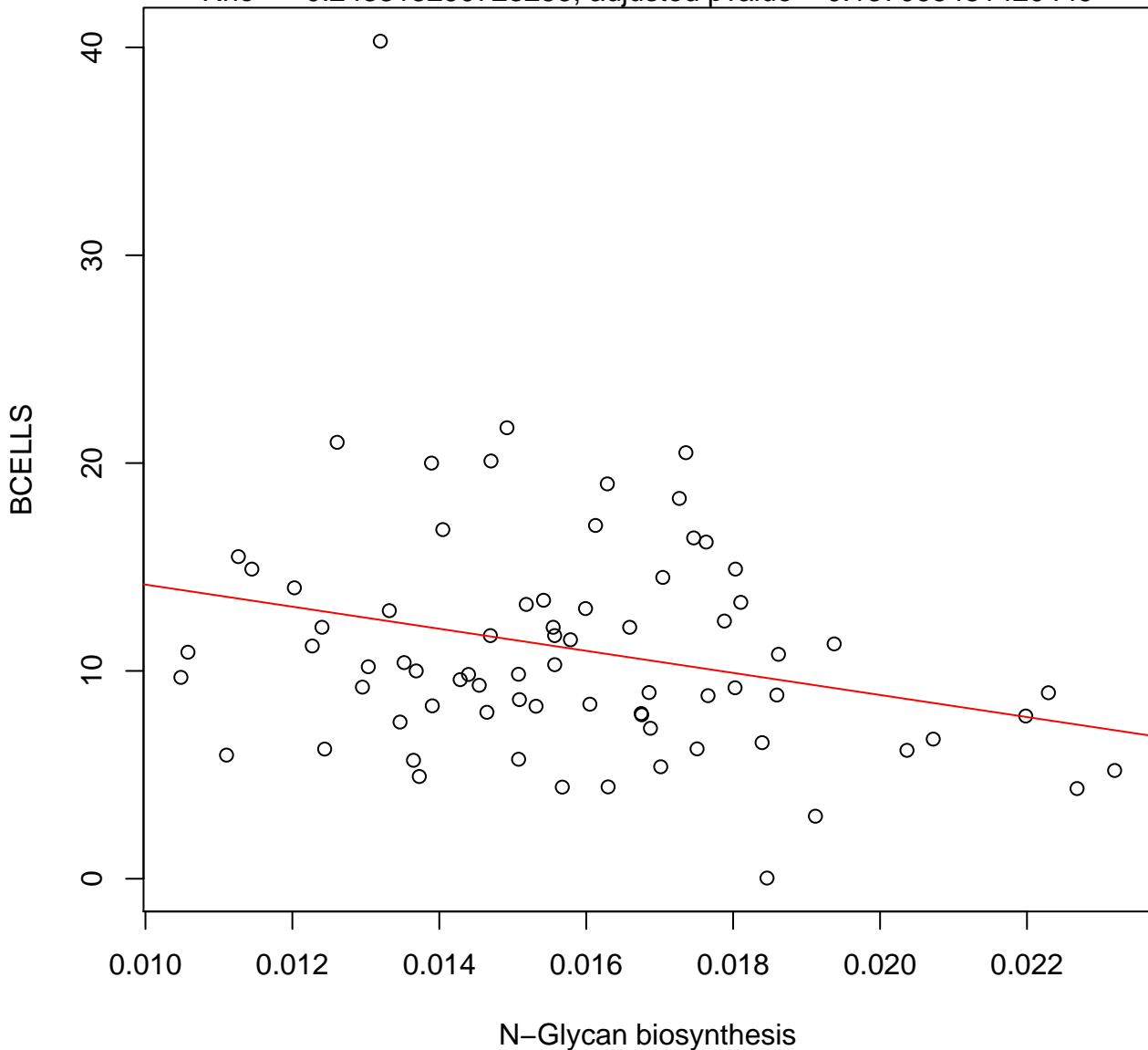
Timepoint 2 , BCELLS ~ Glyoxylate and dicarboxylate metabolism

Rho = 0.38239388681444, adjusted pvalue = 0.014432293154079



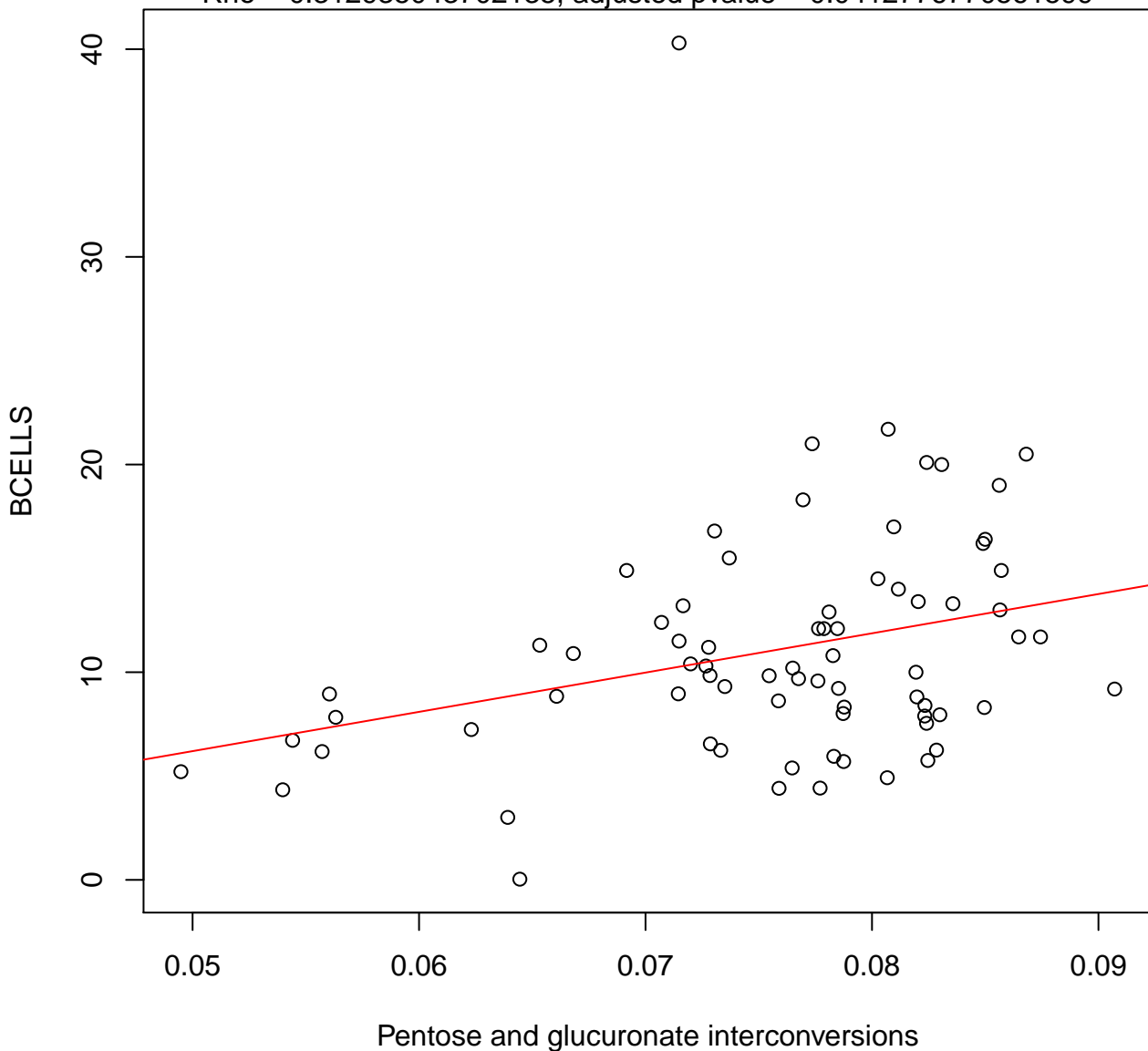
Timepoint 2 , BCELLS ~ N-Glycan biosynthesis

Rho = -0.243313290723255 , adjusted pvalue = 0.137065481420449



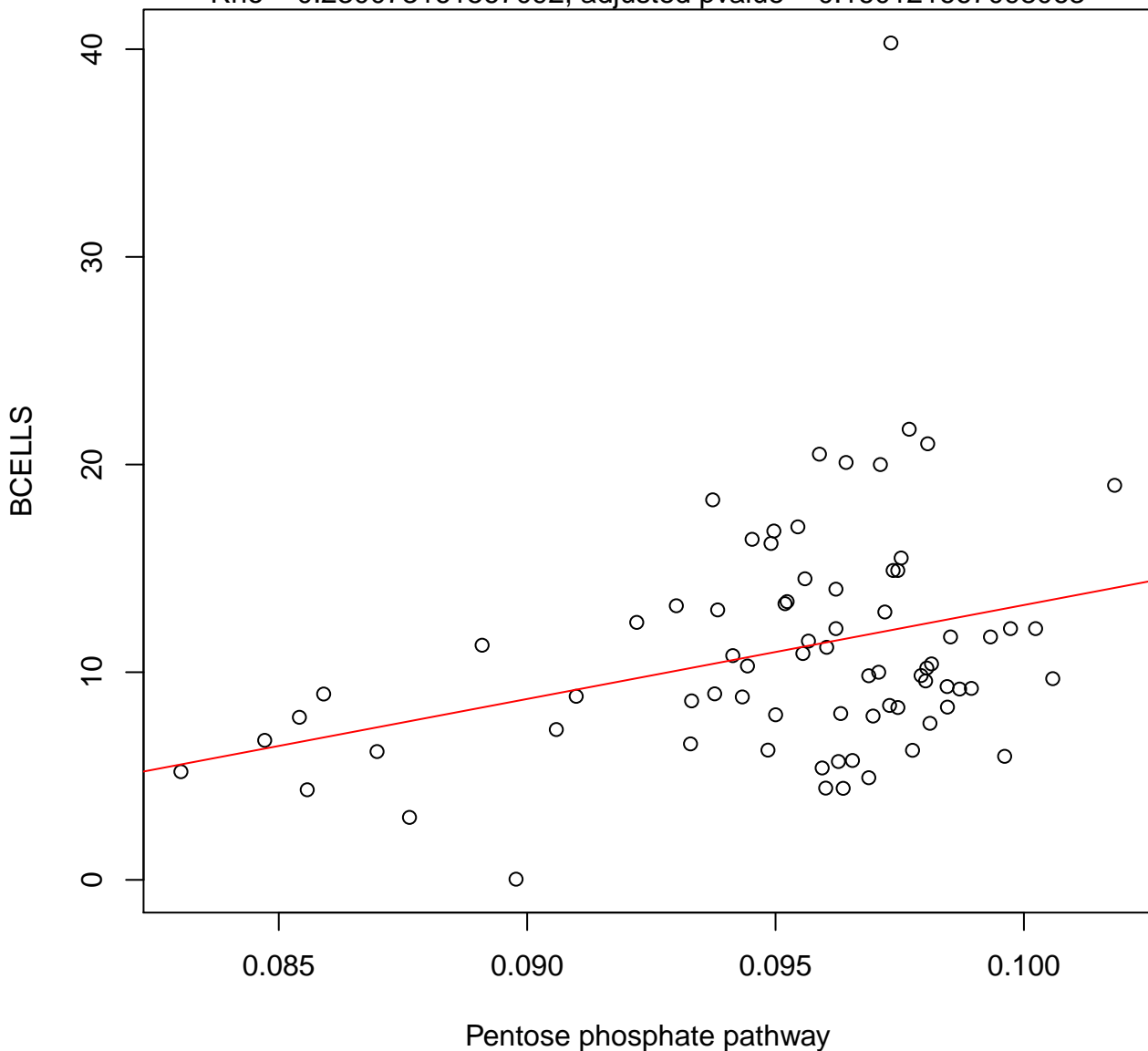
Timepoint 2 , BCELLS ~ Pentose and glucuronate interconversions

Rho = 0.312935043702135, adjusted pvalue = 0.0412776770561599



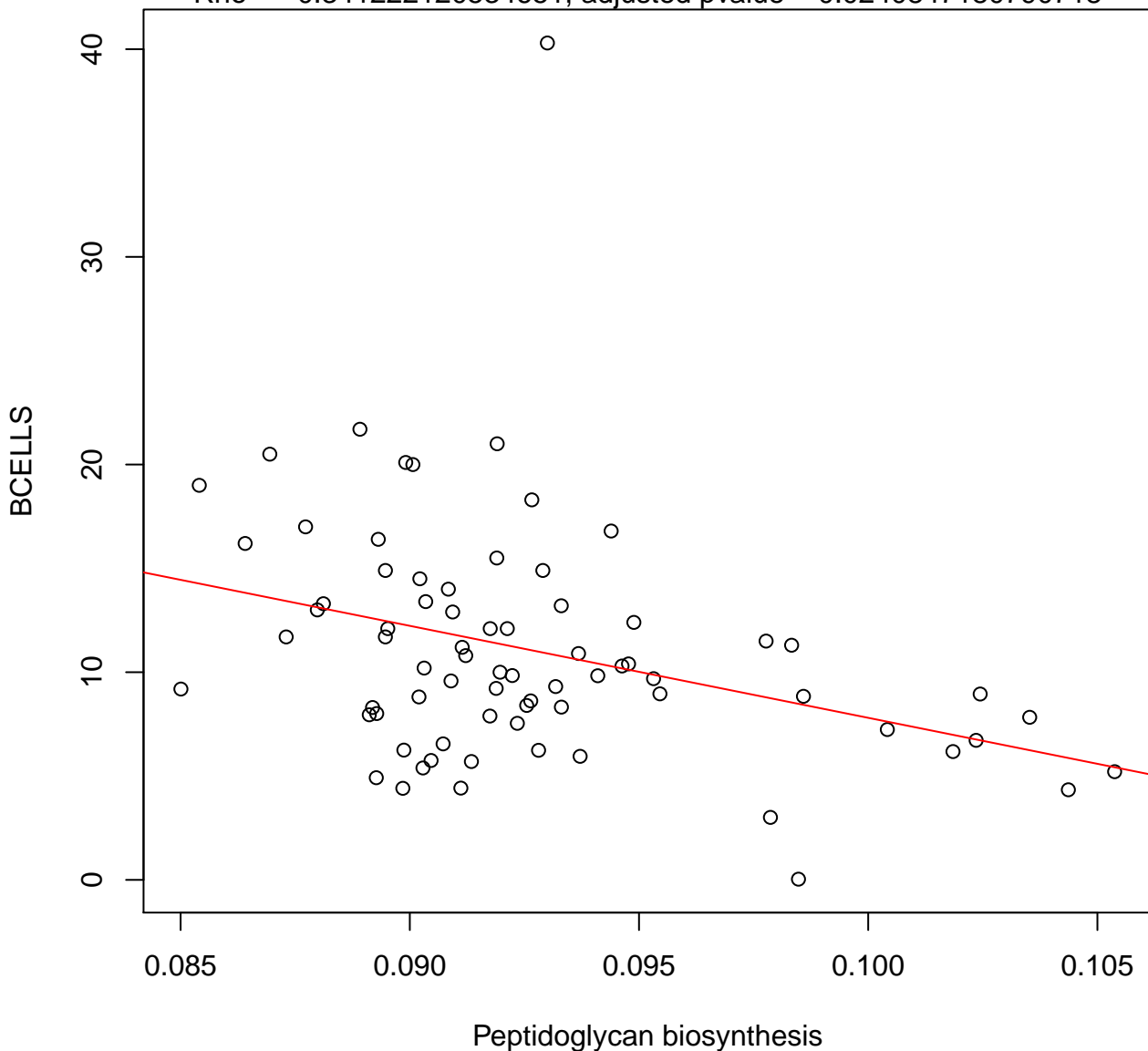
Timepoint 2 , BCELLS ~ Pentose phosphate pathway

Rho = 0.230073161567092, adjusted pvalue = 0.160121667098063



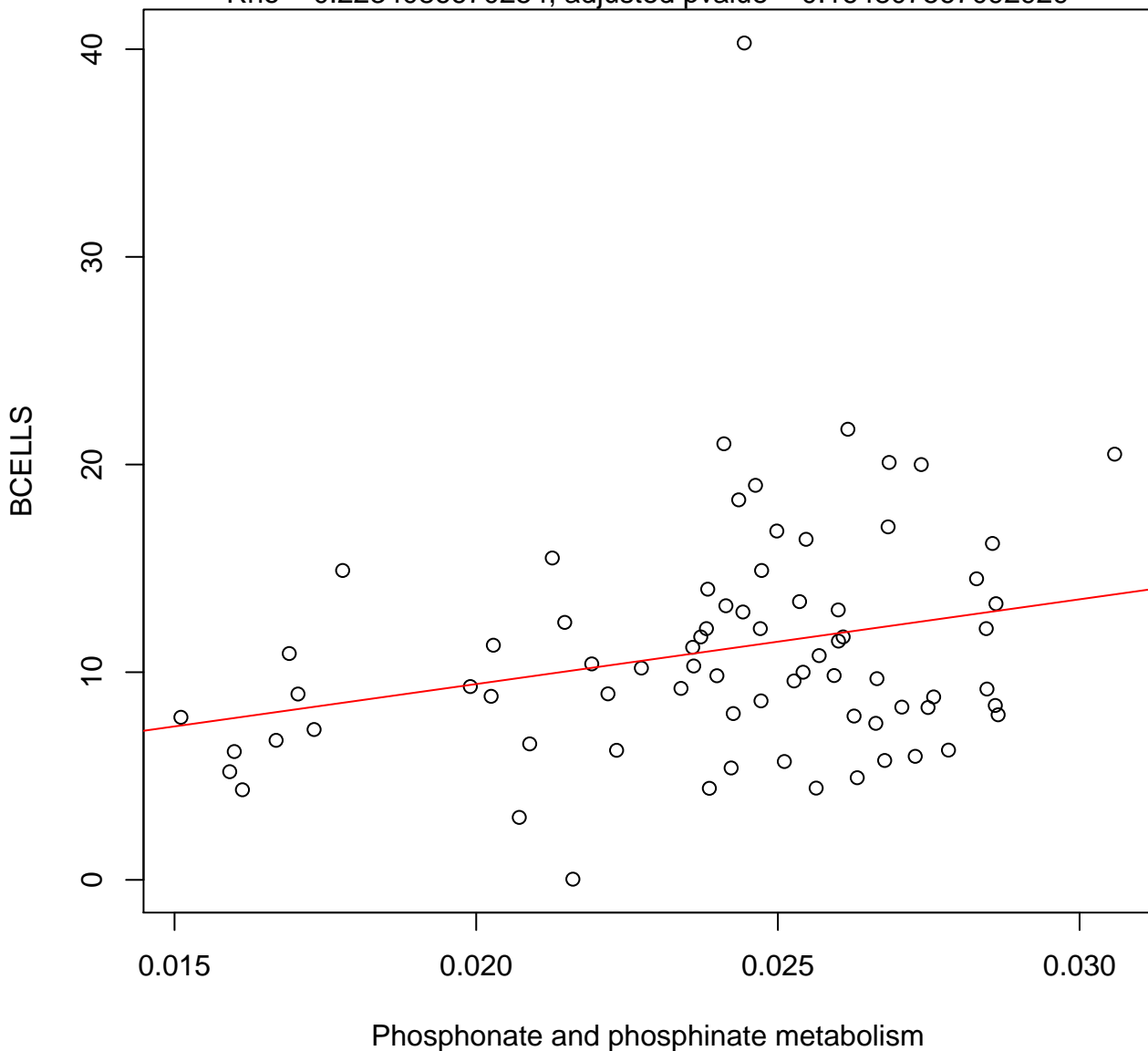
Timepoint 2 , BCELLS ~ Peptidoglycan biosynthesis

Rho = -0.341222120534651 , adjusted pvalue = 0.0240847180790718



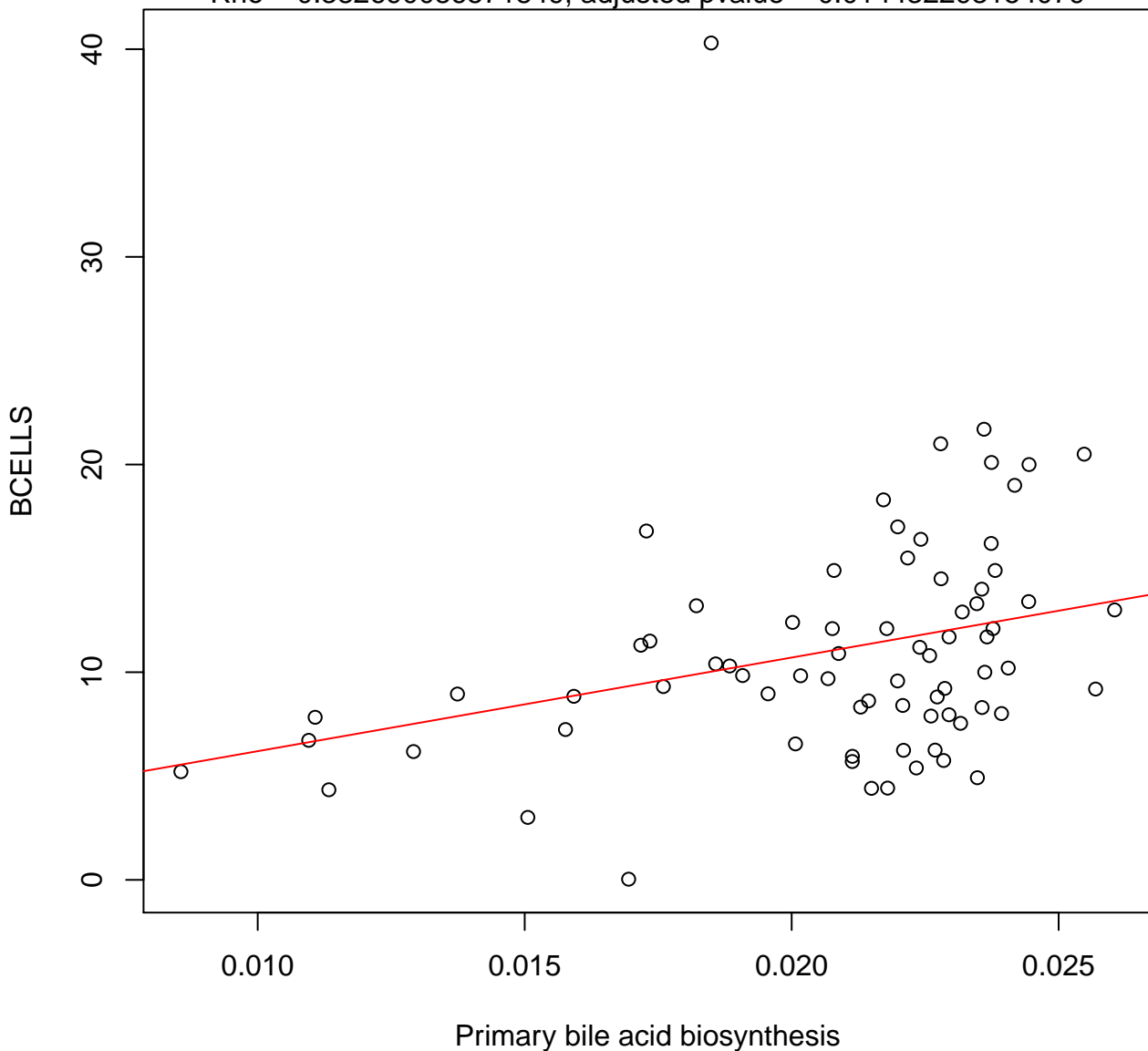
Timepoint 2 , BCELLS ~ Phosphonate and phosphinate metabolism

Rho = 0.2234086670254, adjusted pvalue = 0.164807567092929



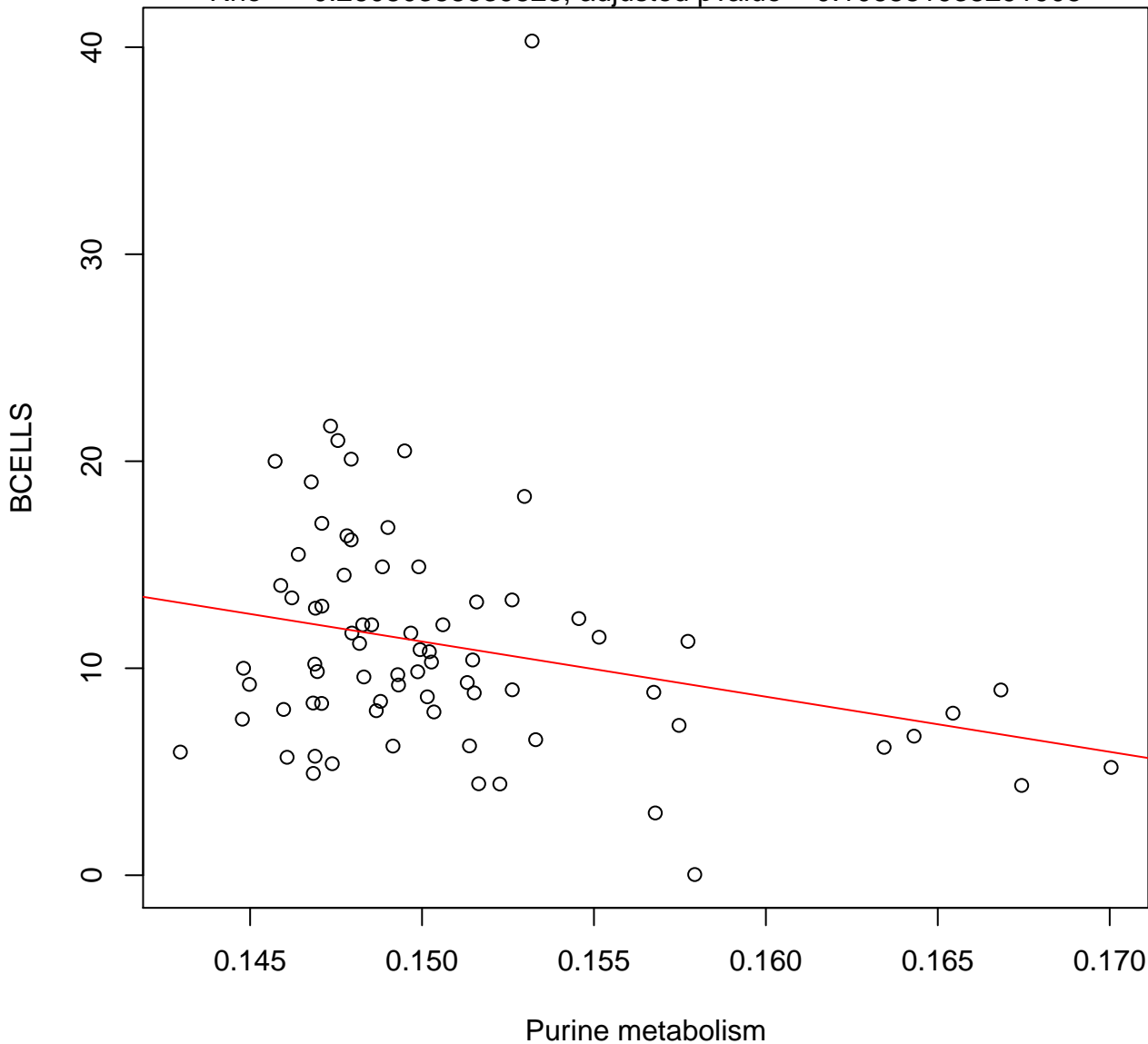
Timepoint 2 , BCELLS ~ Primary bile acid biosynthesis

Rho = 0.382690086571849, adjusted pvalue = 0.014432293154079



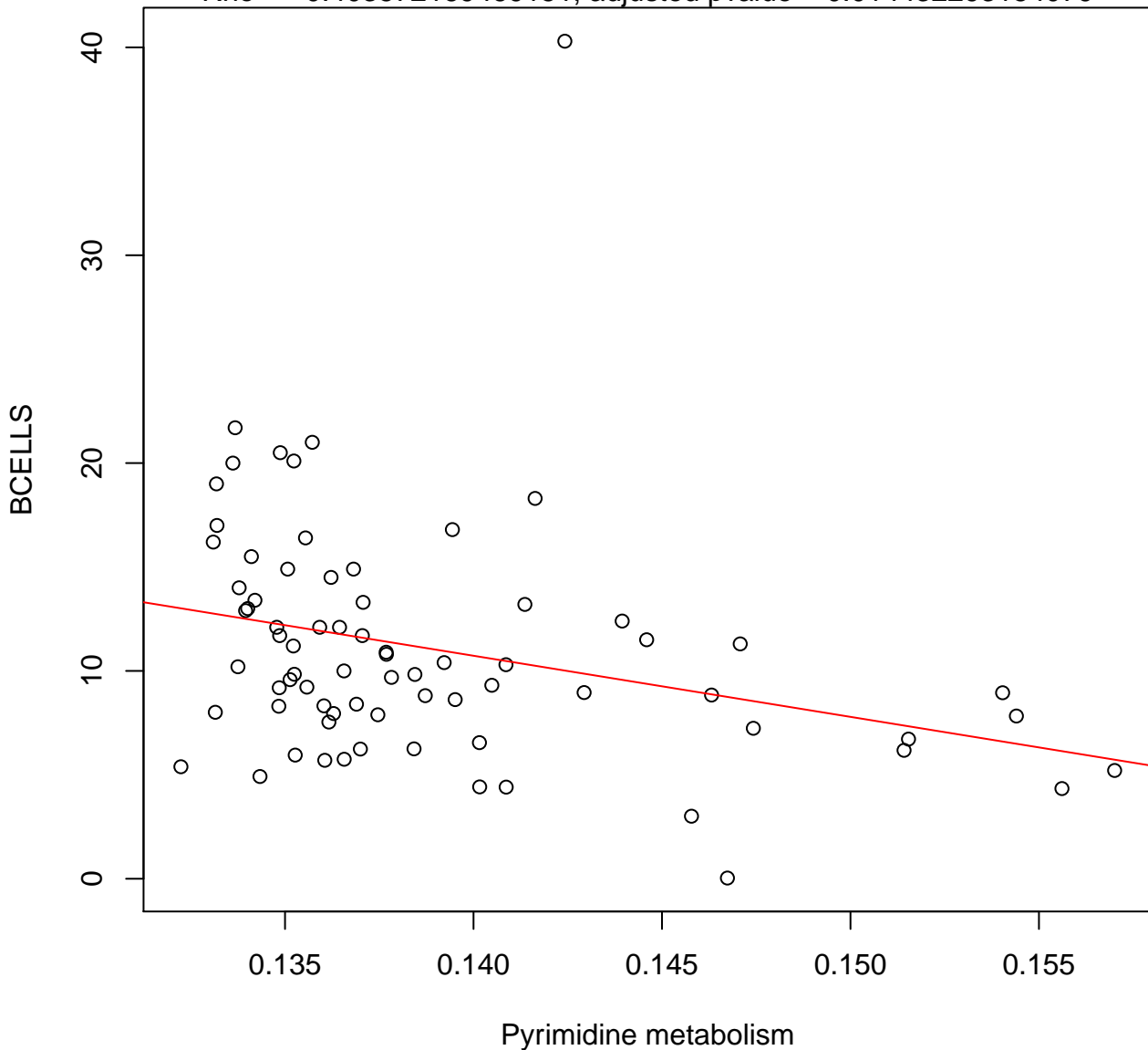
Timepoint 2 , BCELLS ~ Purine metabolism

Rho = -0.26080388639823, adjusted pvalue = 0.106881938291905



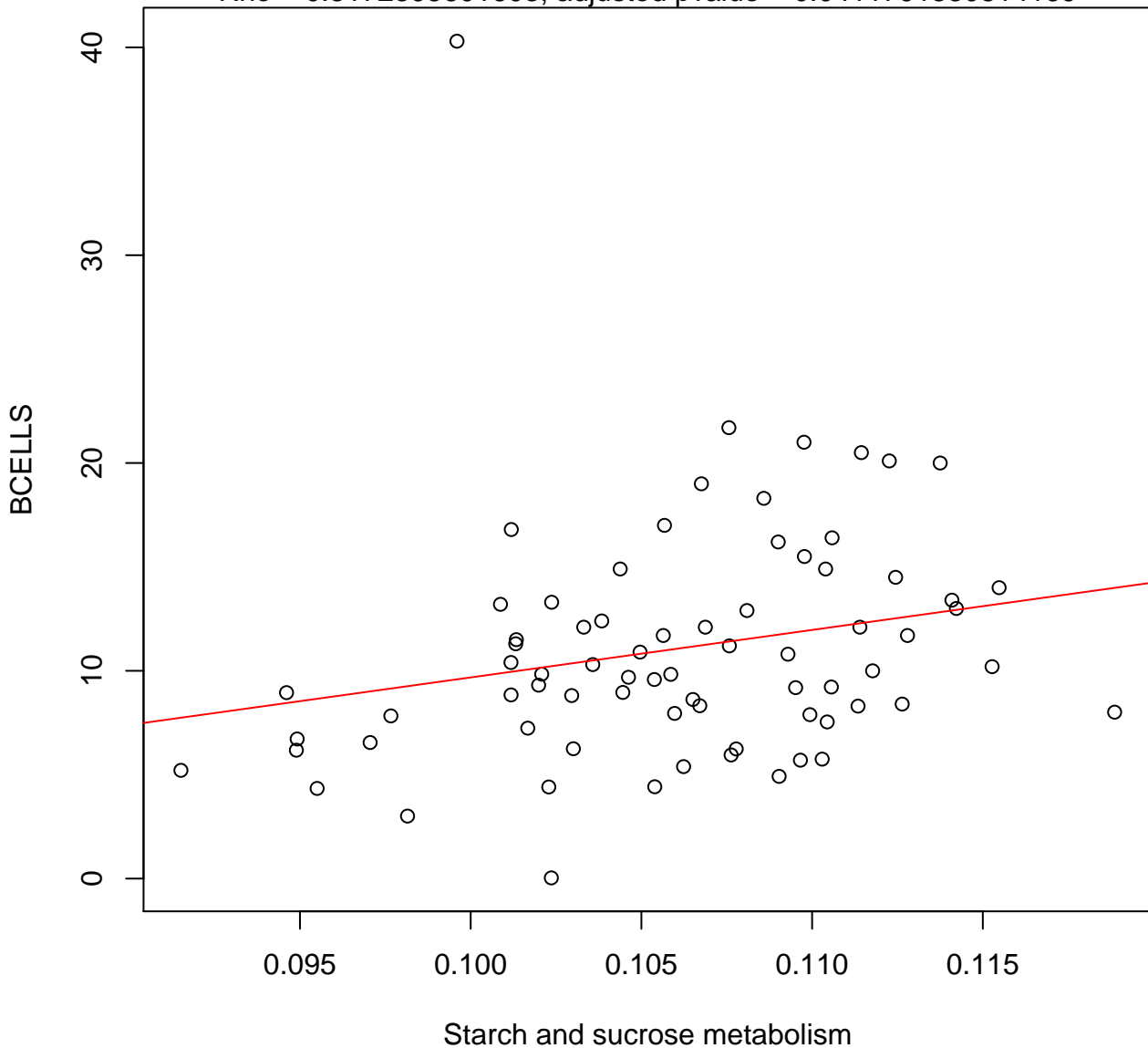
Timepoint 2 , BCELLS ~ Pyrimidine metabolism

Rho = -0.403572169469151 , adjusted pvalue = 0.014432293154079



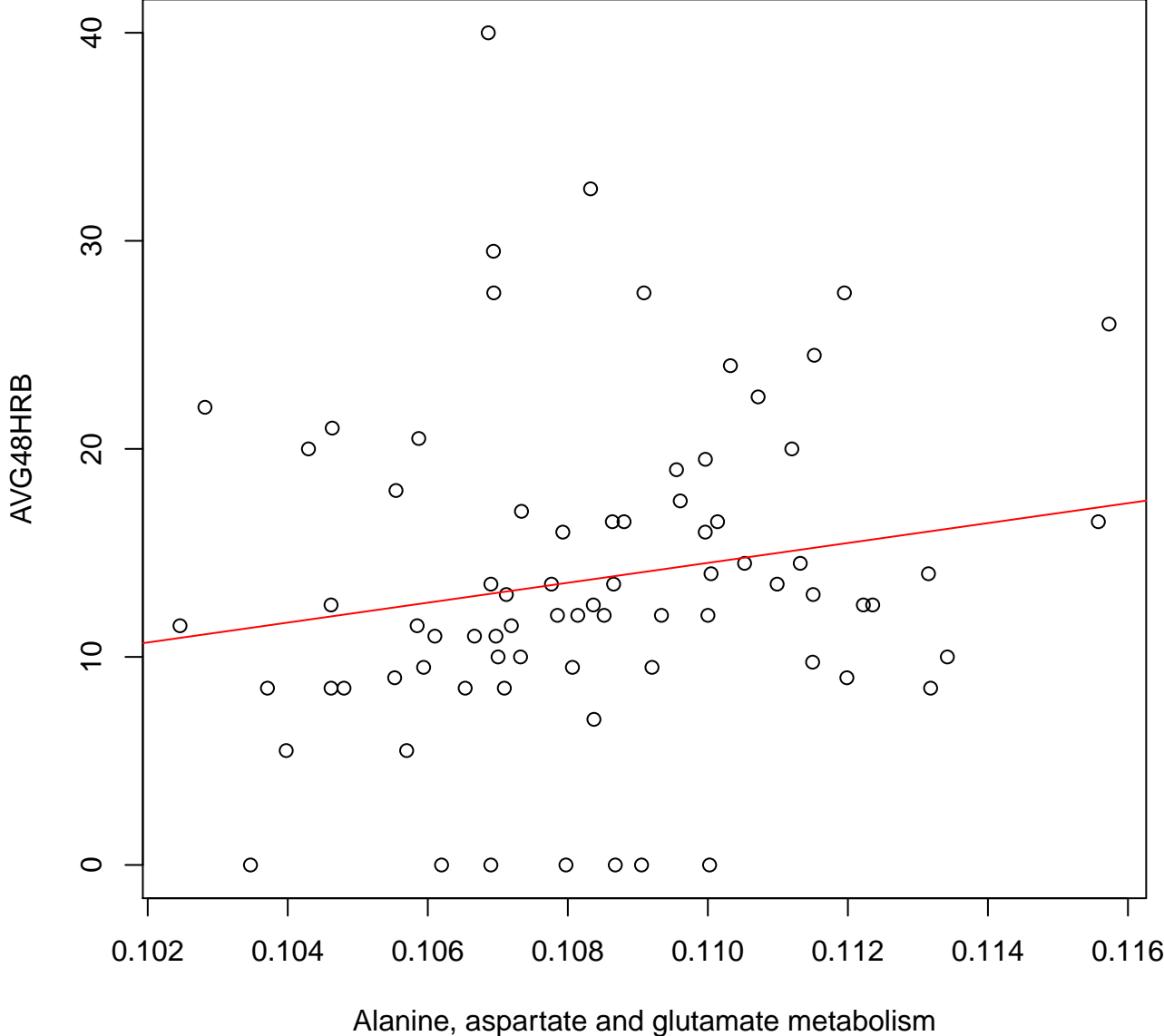
Timepoint 2 , BCELLS ~ Starch and sucrose metabolism

Rho = 0.3172595601603, adjusted pvalue = 0.0411791330814169



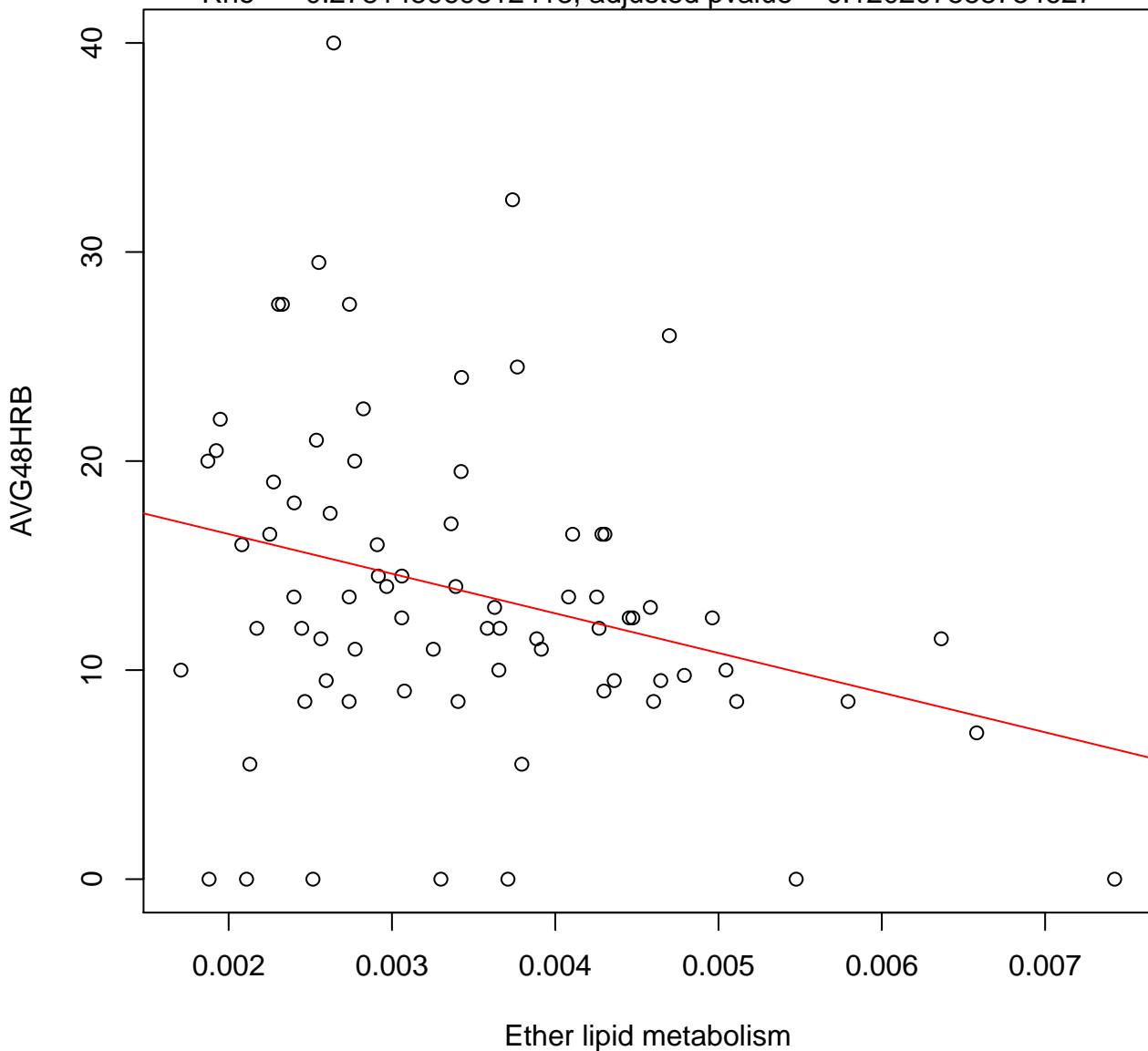
Timepoint 2 , AVG48HRB ~ Alanine, aspartate and glutamate metabolism

Rho = 0.244724109935332, adjusted pvalue = 0.168617652701595



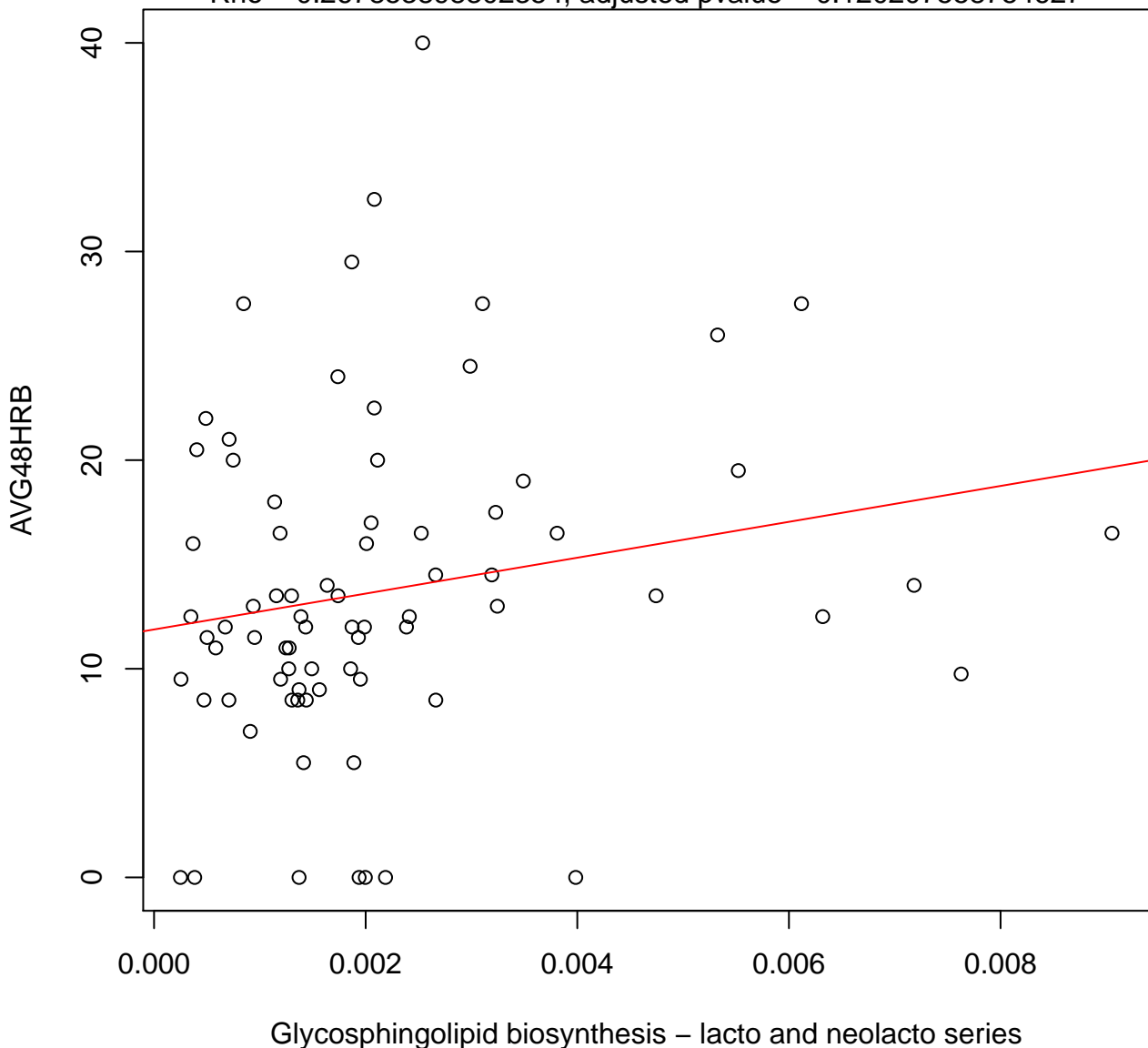
Timepoint 2 , AVG48HRB ~ Ether lipid metabolism

Rho = -0.278145969812413 , adjusted pvalue = 0.120207558754627



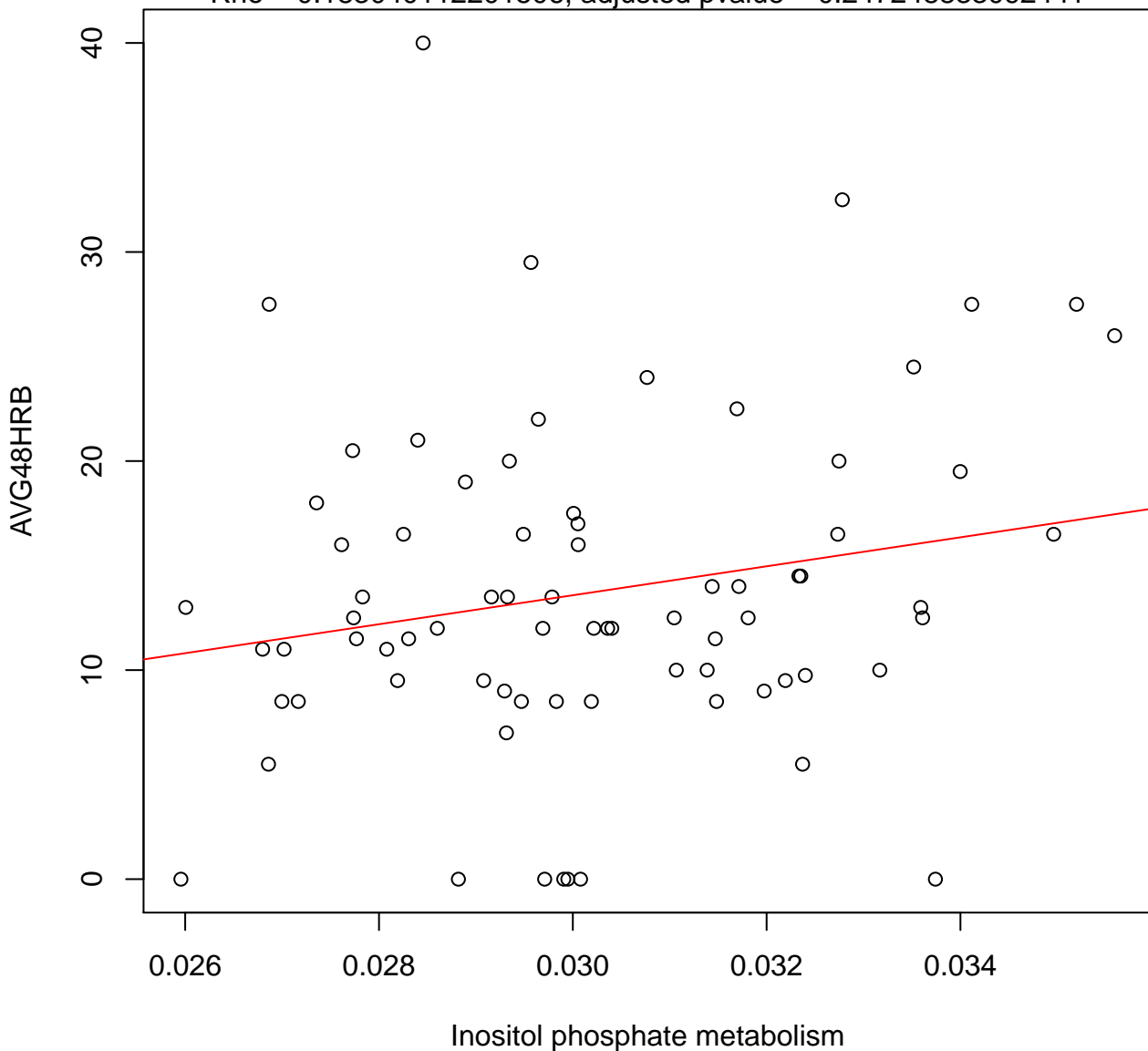
epoint 2 , AVG48HRB ~ Glycosphingolipid biosynthesis – lacto and neolact

Rho = 0.267853898302354, adjusted pvalue = 0.120207558754627



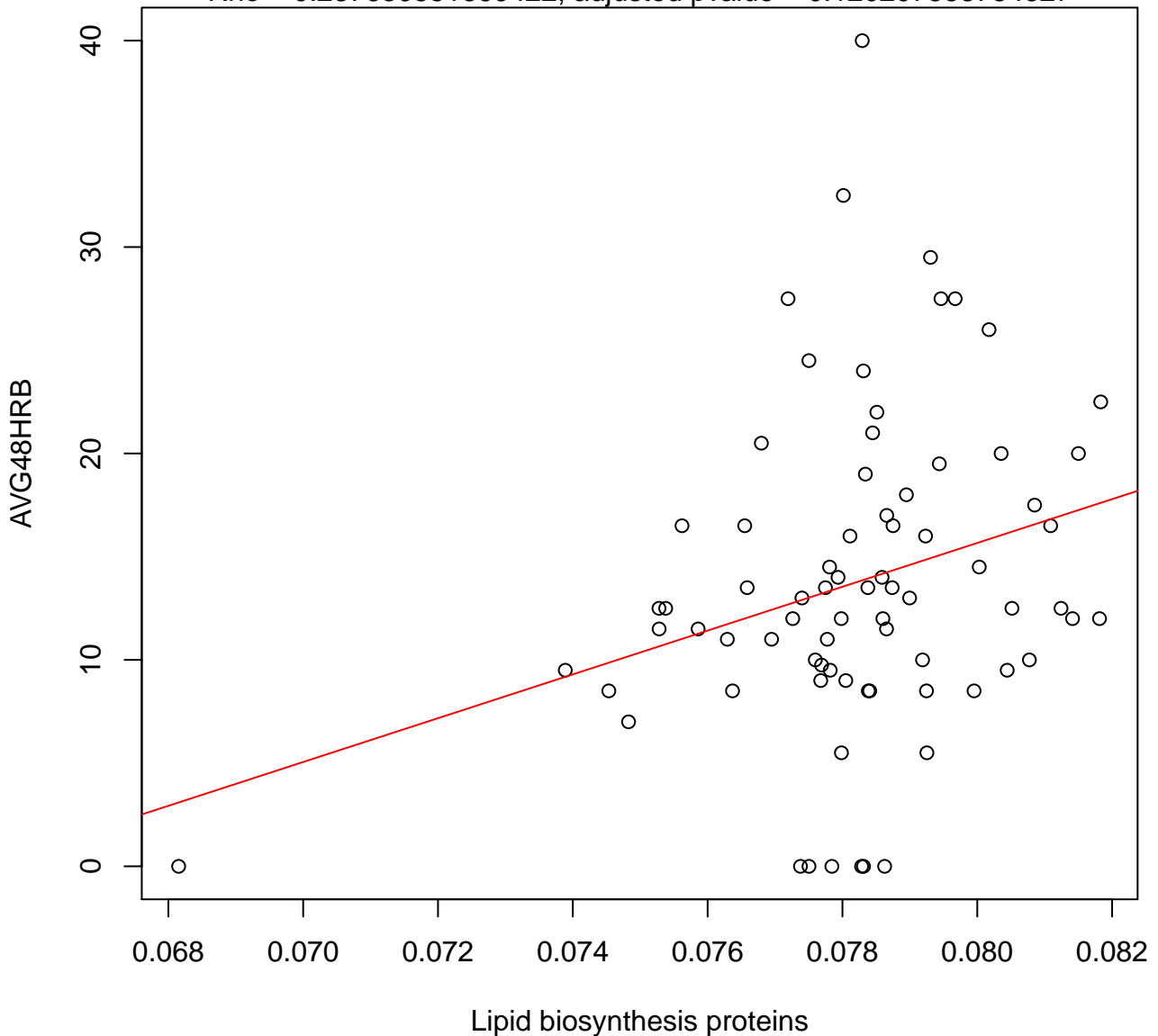
Timepoint 2 , AVG48HRB ~ Inositol phosphate metabolism

Rho = 0.183040112201506, adjusted pvalue = 0.247248833092441



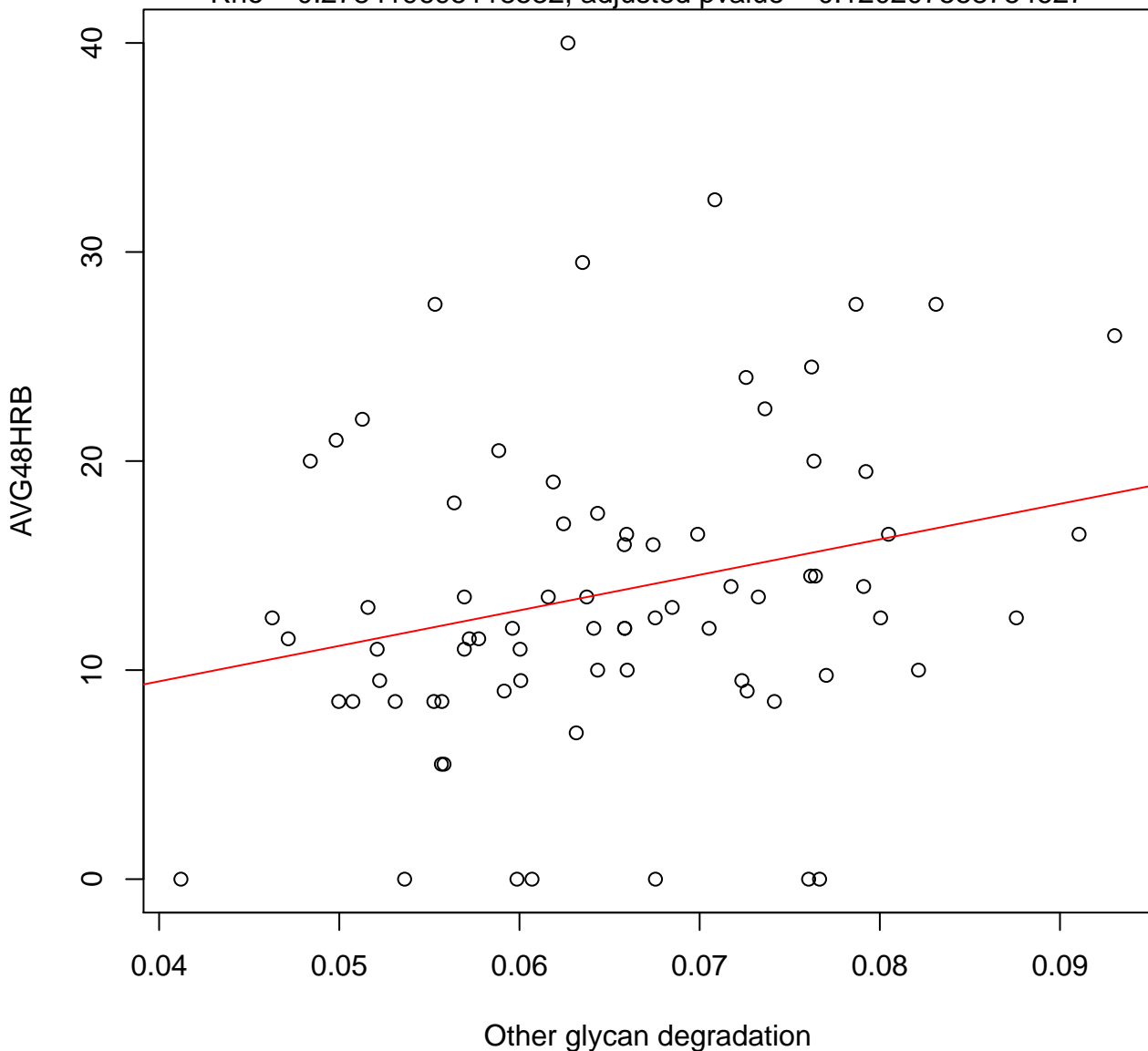
Timepoint 2 , AVG48HRB ~ Lipid biosynthesis proteins

Rho = 0.287630551669422, adjusted pvalue = 0.120207558754627



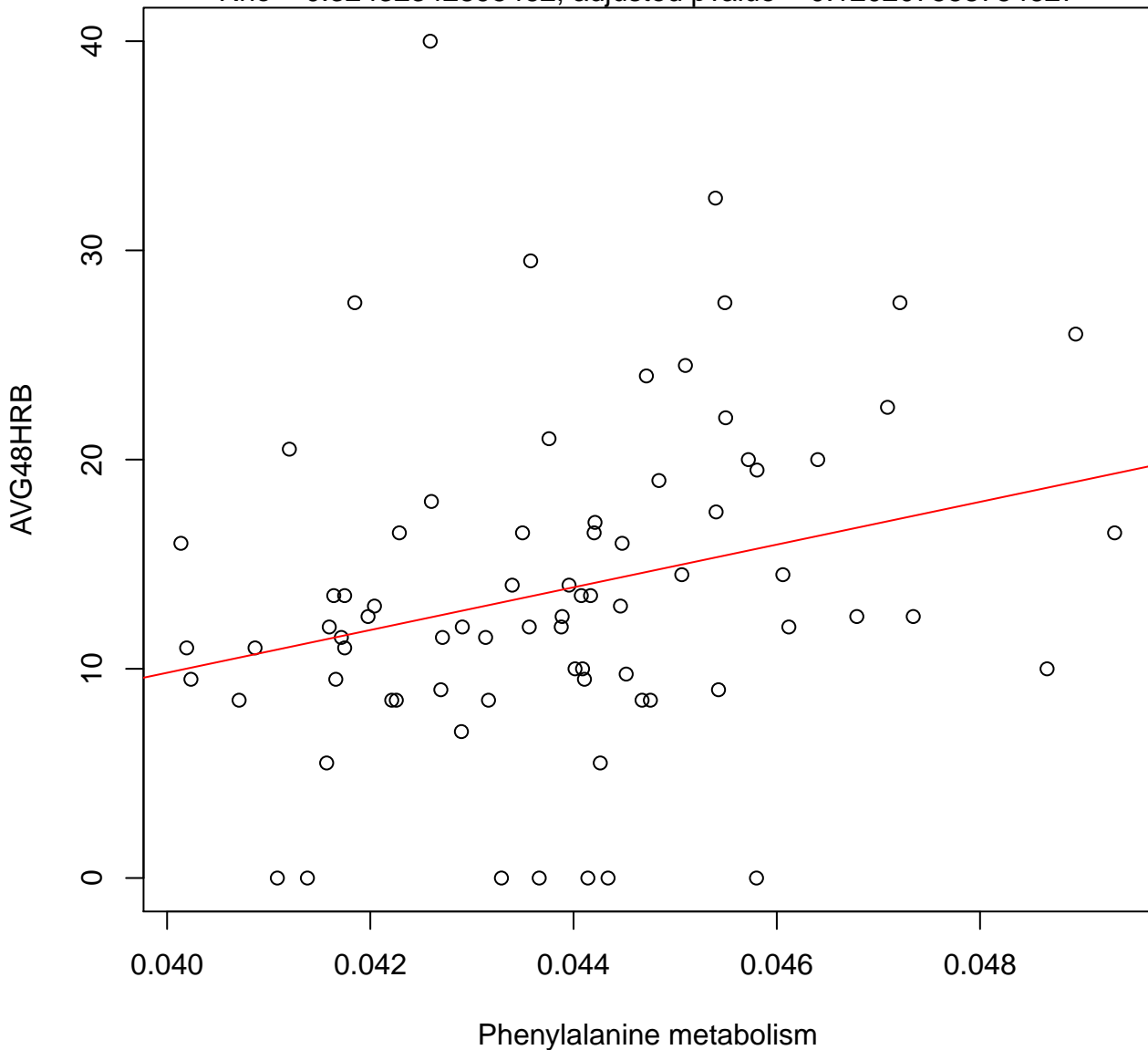
Timepoint 2 , AVG48HRB ~ Other glycan degradation

Rho = 0.278419695118532, adjusted pvalue = 0.120207558754627



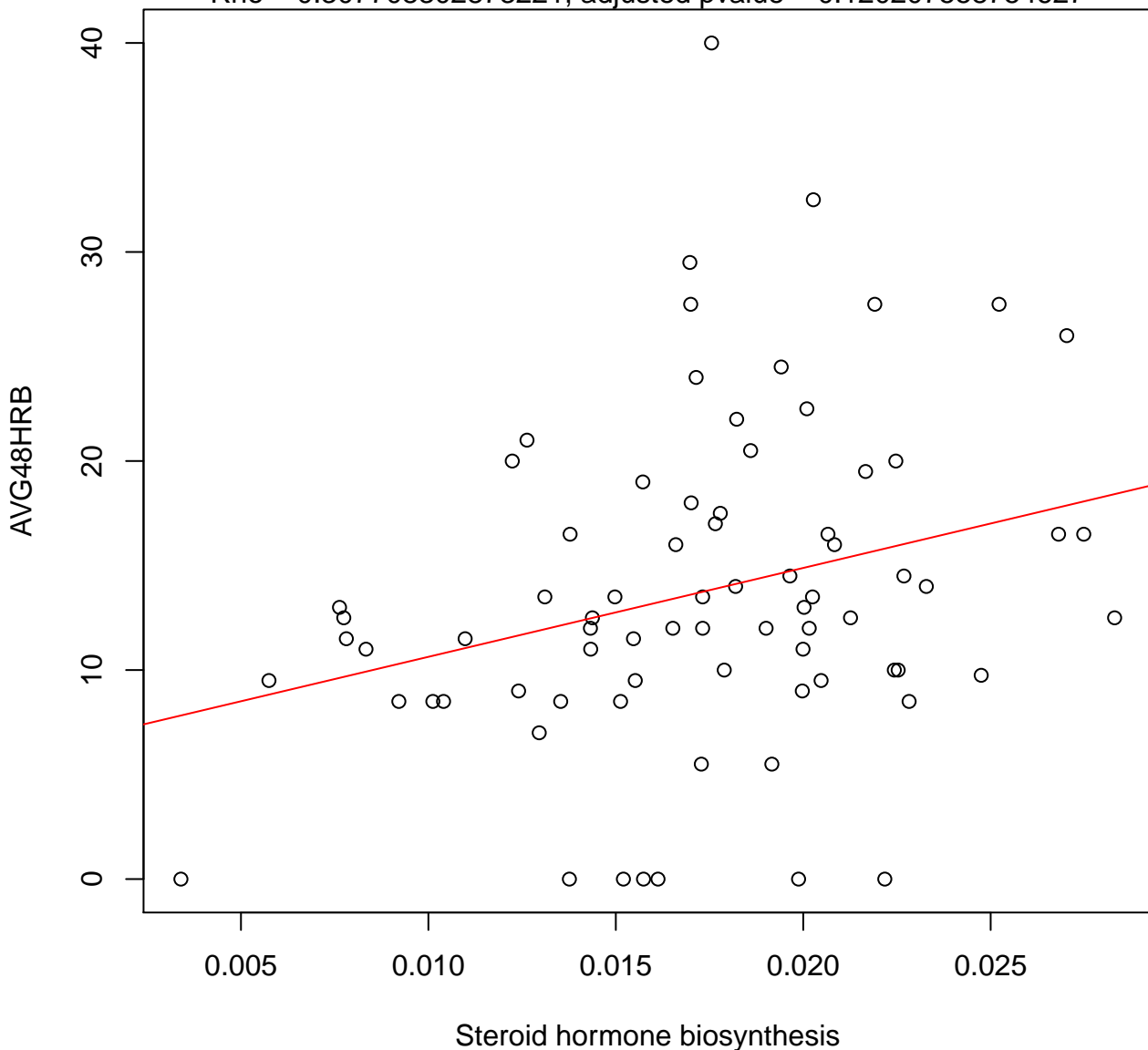
Timepoint 2 , AVG48HRB ~ Phenylalanine metabolism

Rho = 0.32432342895462, adjusted pvalue = 0.120207558754627



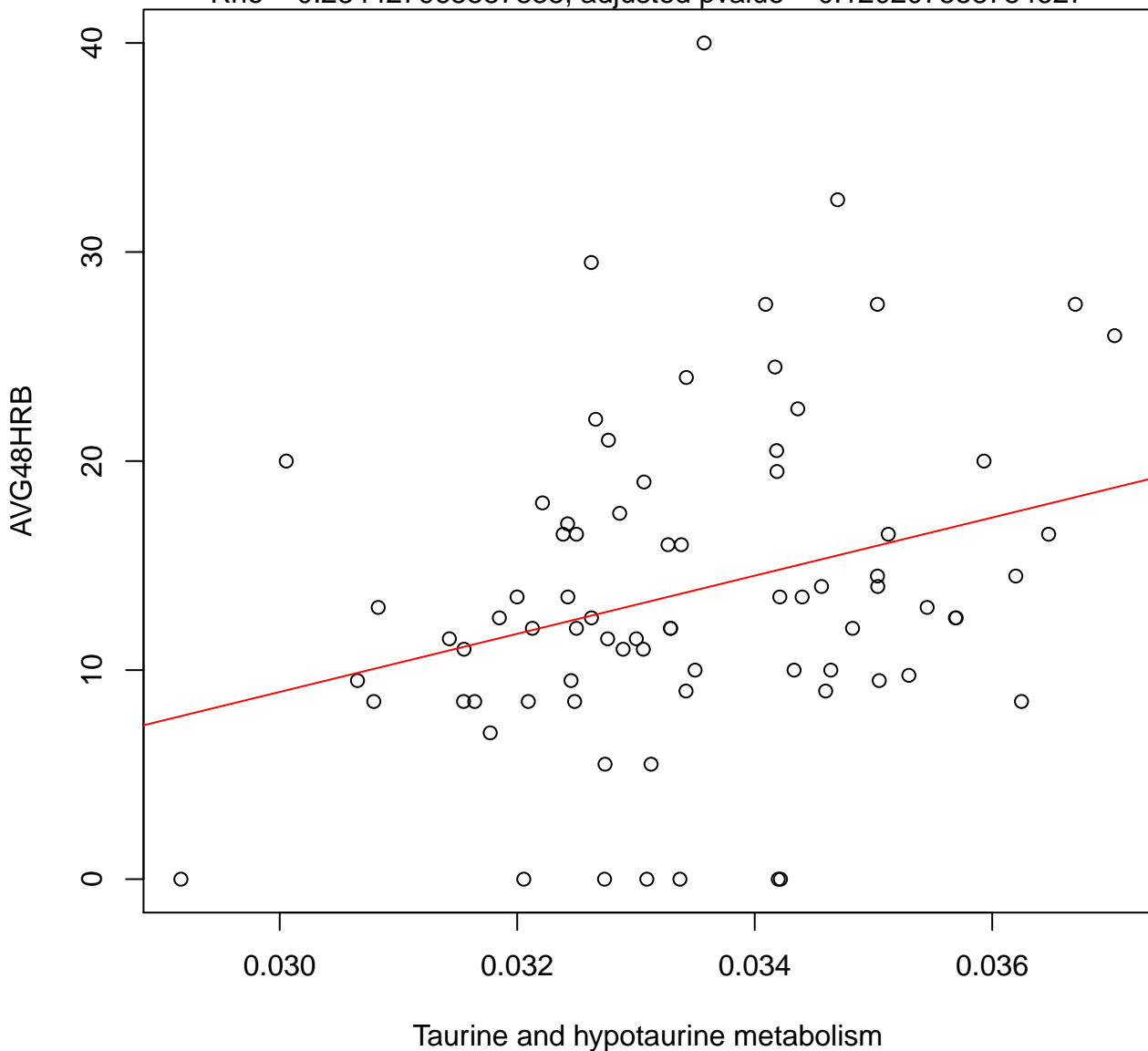
Timepoint 2 , AVG48HRB ~ Steroid hormone biosynthesis

Rho = 0.307708302873221, adjusted pvalue = 0.120207558754627



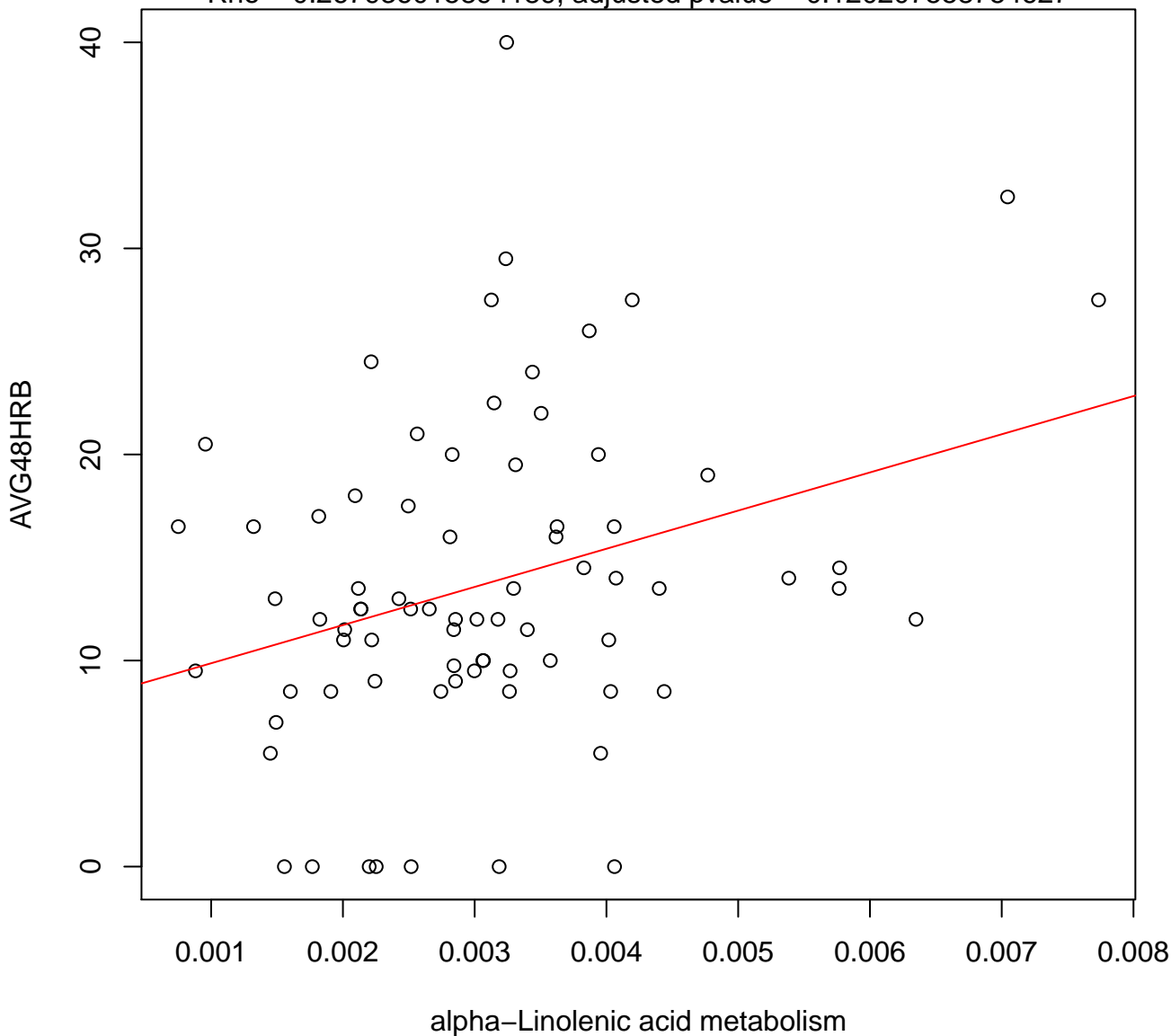
Timepoint 2 , AVG48HRB ~ Taurine and hypotaurine metabolism

Rho = 0.284427965587835, adjusted pvalue = 0.120207558754627



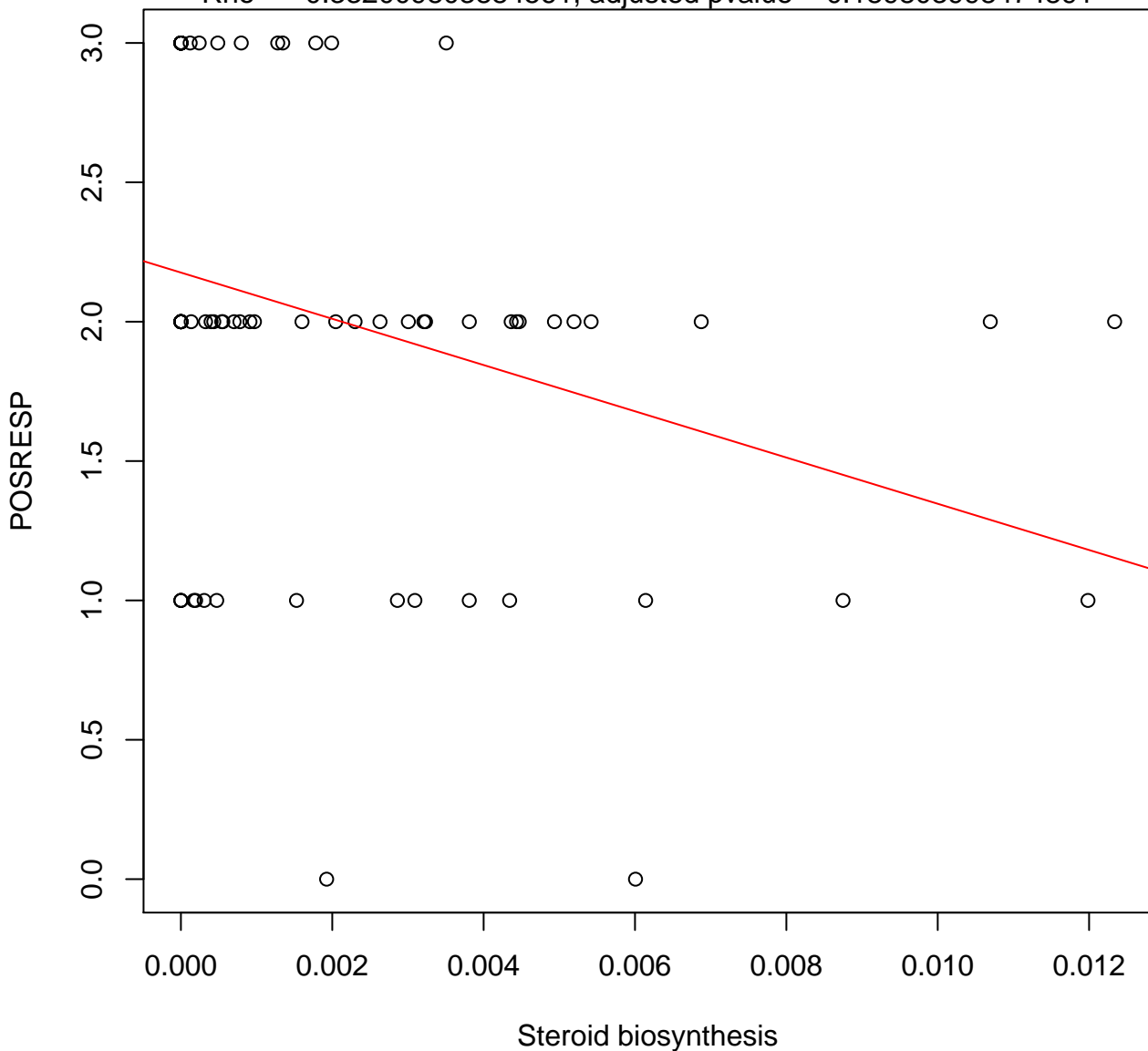
Timepoint 2 , AVG48HRB ~ alpha-Linolenic acid metabolism

Rho = 0.267936015894189, adjusted pvalue = 0.120207558754627



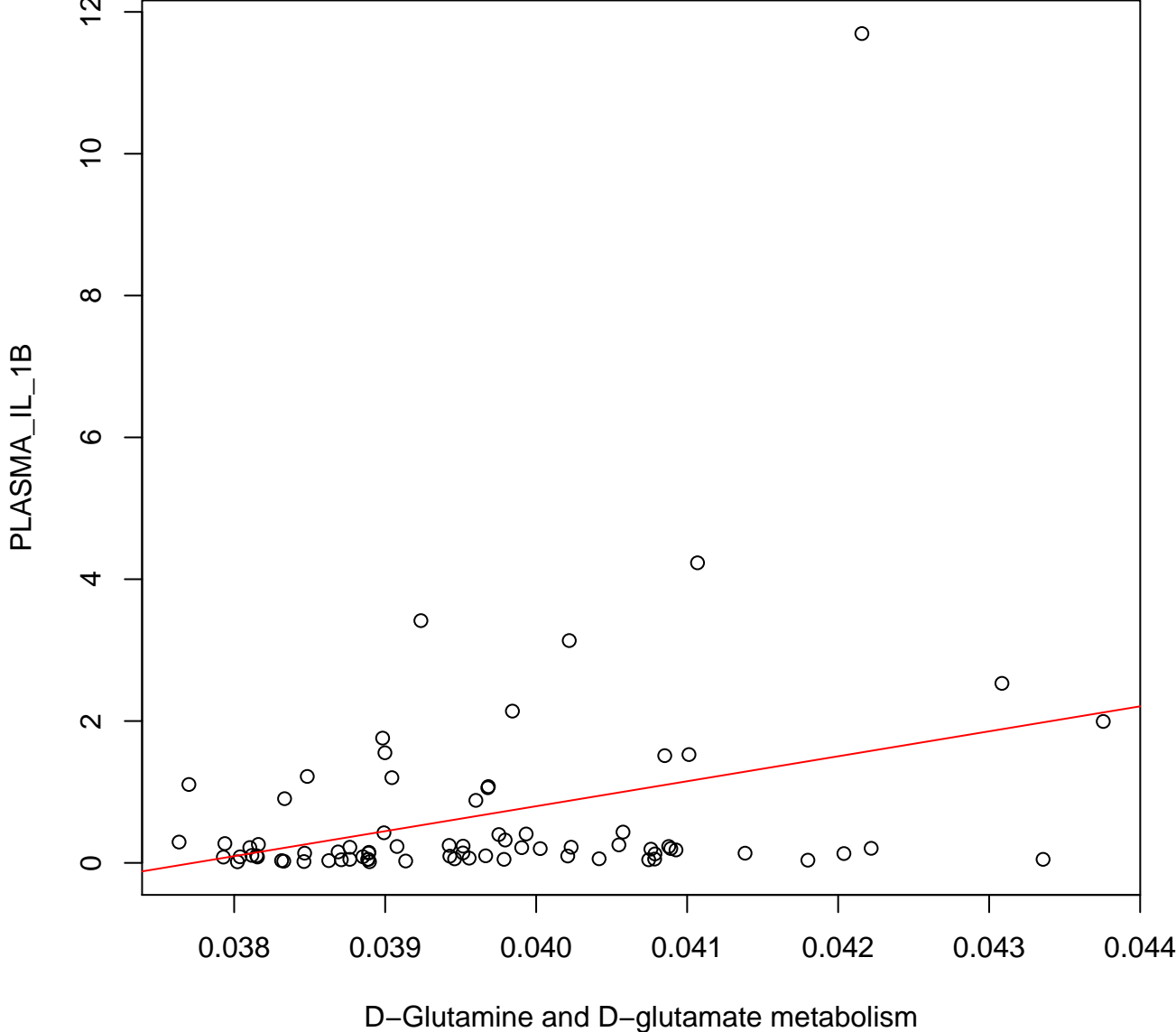
Timepoint 2 , POSRESP ~ Steroid biosynthesis

Rho = -0.332009803884561 , adjusted pvalue = 0.189803998474891



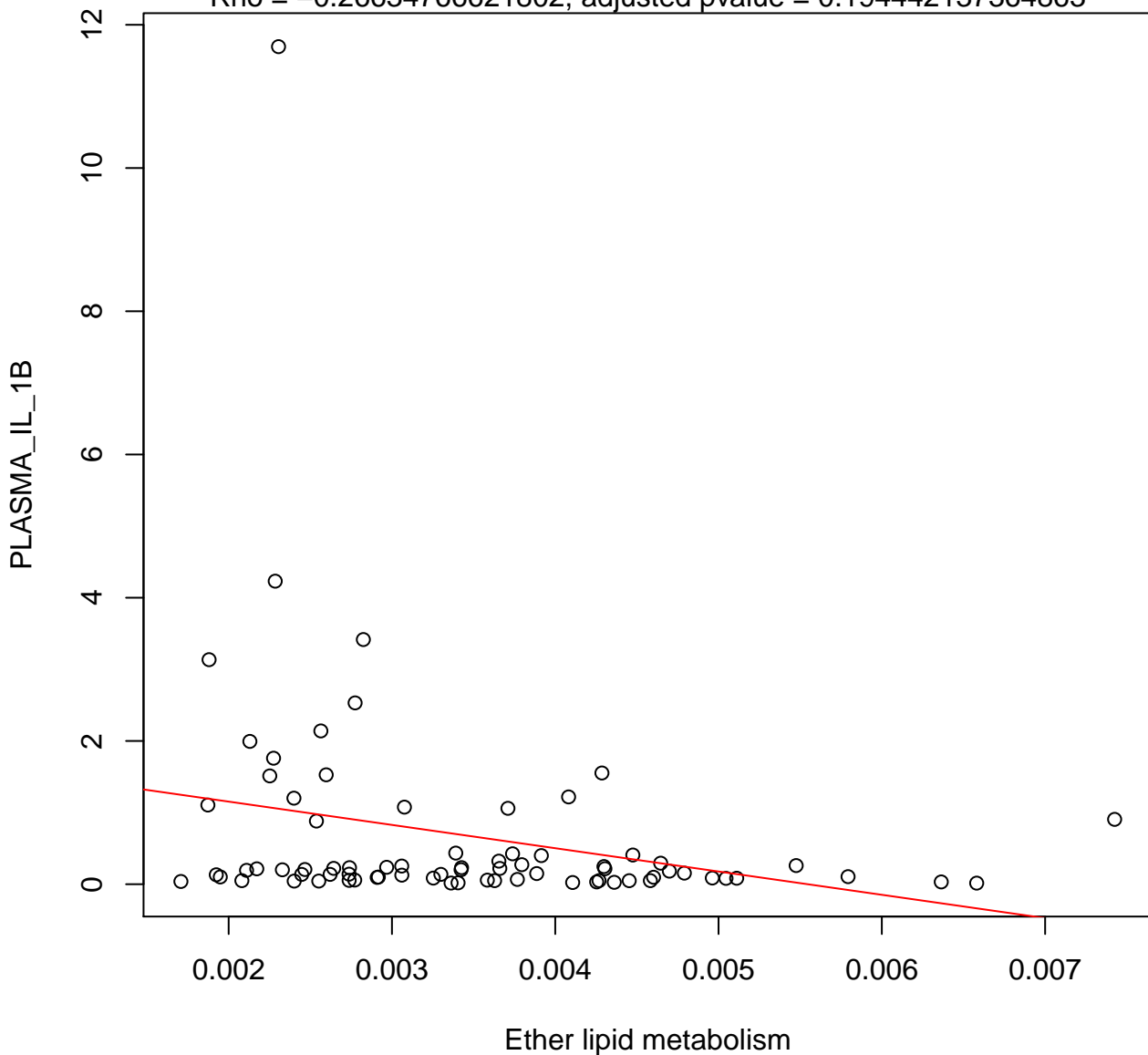
Timepoint 2 , PLASMA_IL_1B ~ D-Glutamine and D-glutamate metabolism

Rho = 0.256982706185203, adjusted pvalue = 0.194442137364863



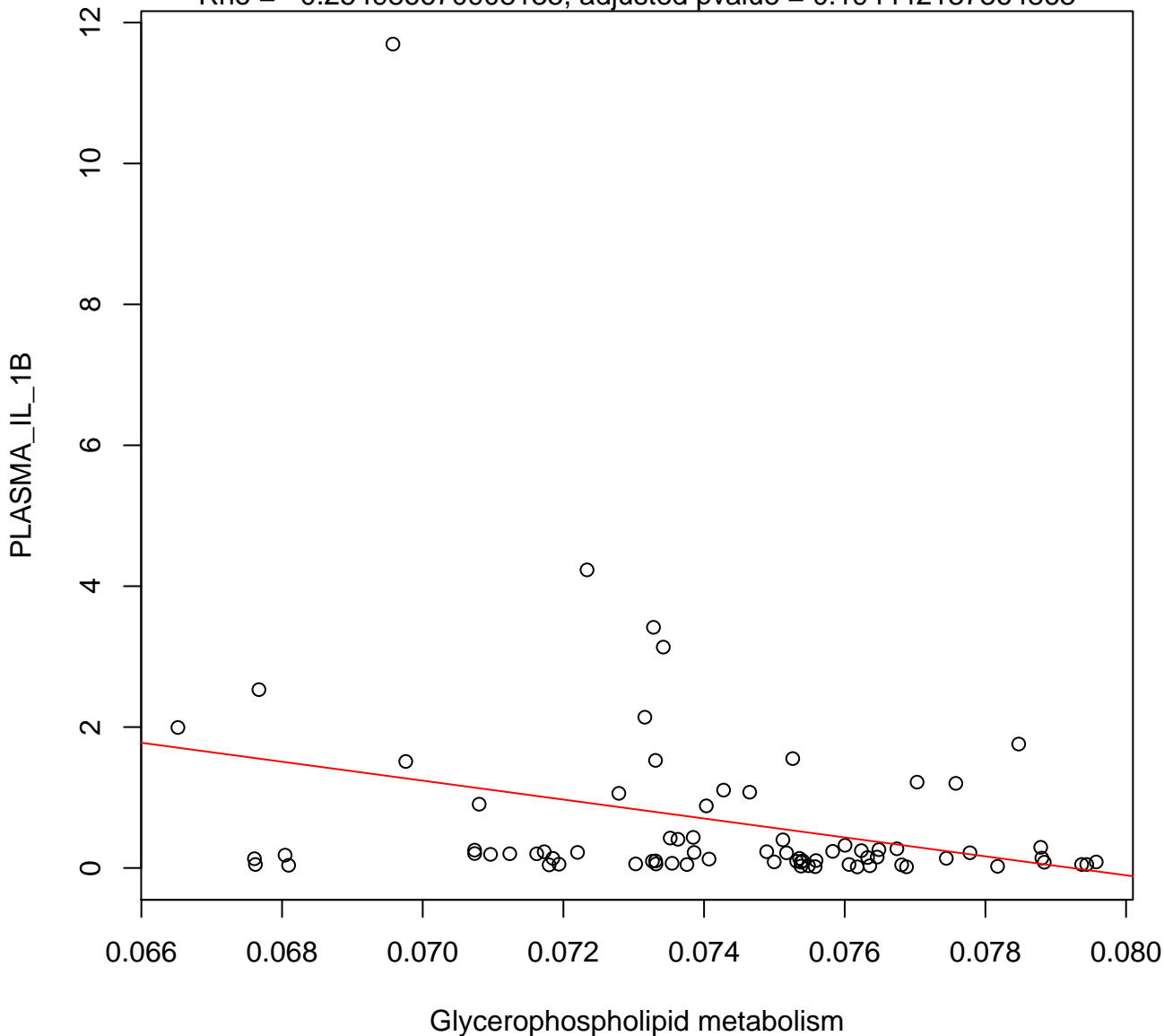
Timepoint 2 , PLASMA_IL_1B ~ Ether lipid metabolism

Rho = -0.26634766621802 , adjusted pvalue = 0.194442137364863



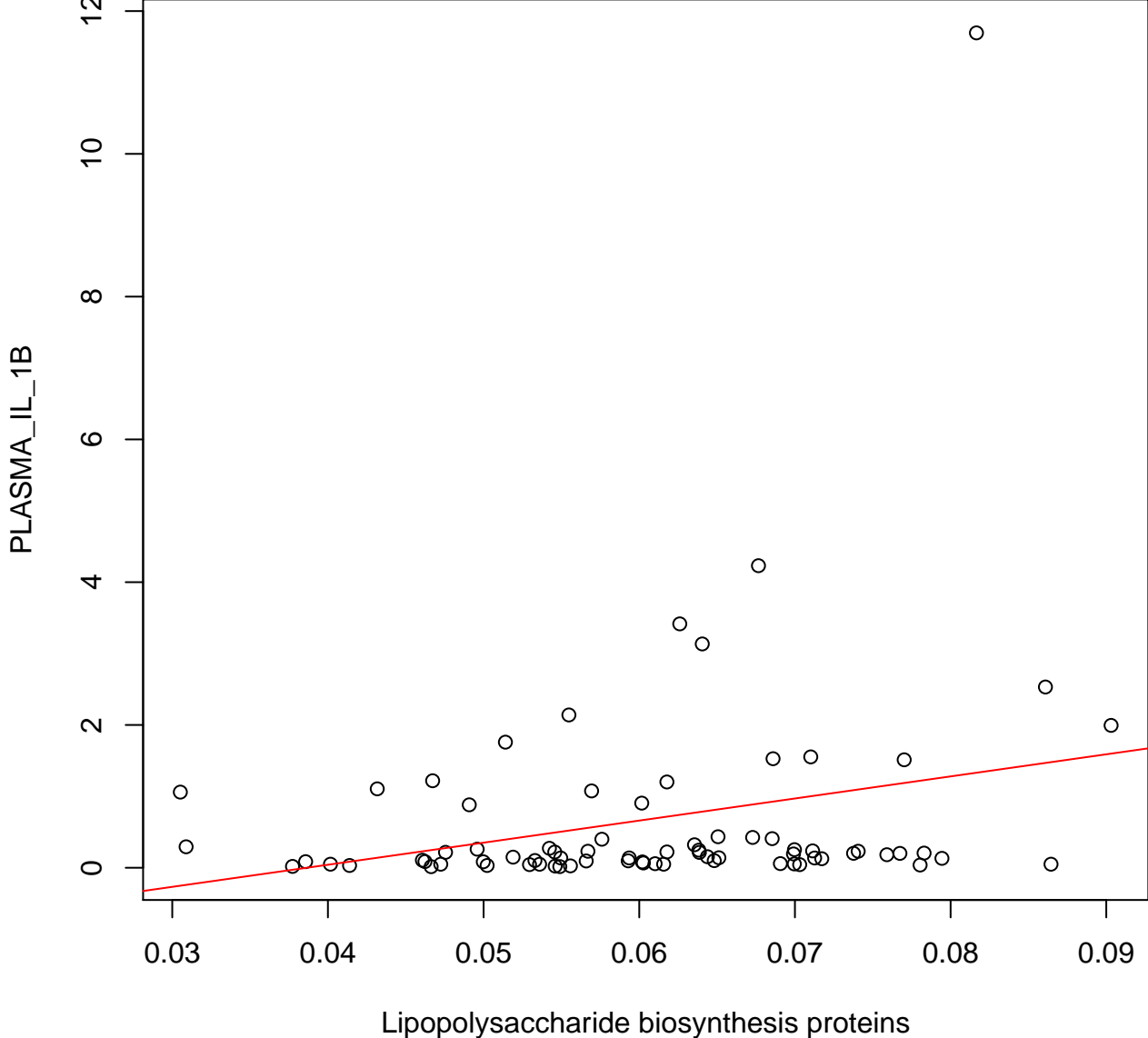
Timepoint 2 , PLASMA_IL_1B ~ Glycerophospholipid metabolism

Rho = -0.254986670908135, adjusted pvalue = 0.194442137364863



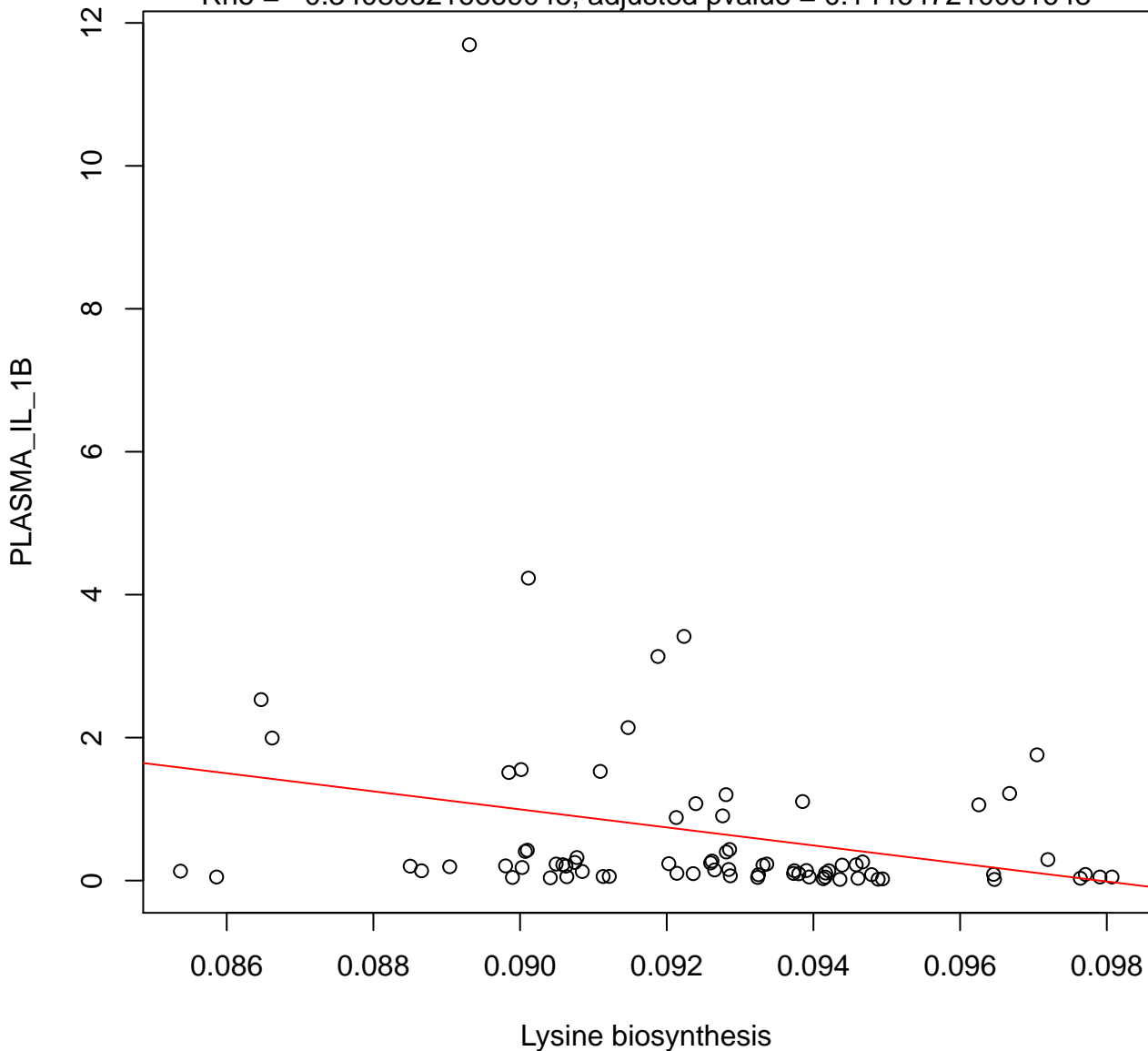
Timepoint 2 , PLASMA_IL_1B ~ Lipopolysaccharide biosynthesis proteins

Rho = 0.241629640321183, adjusted pvalue = 0.198689073058759



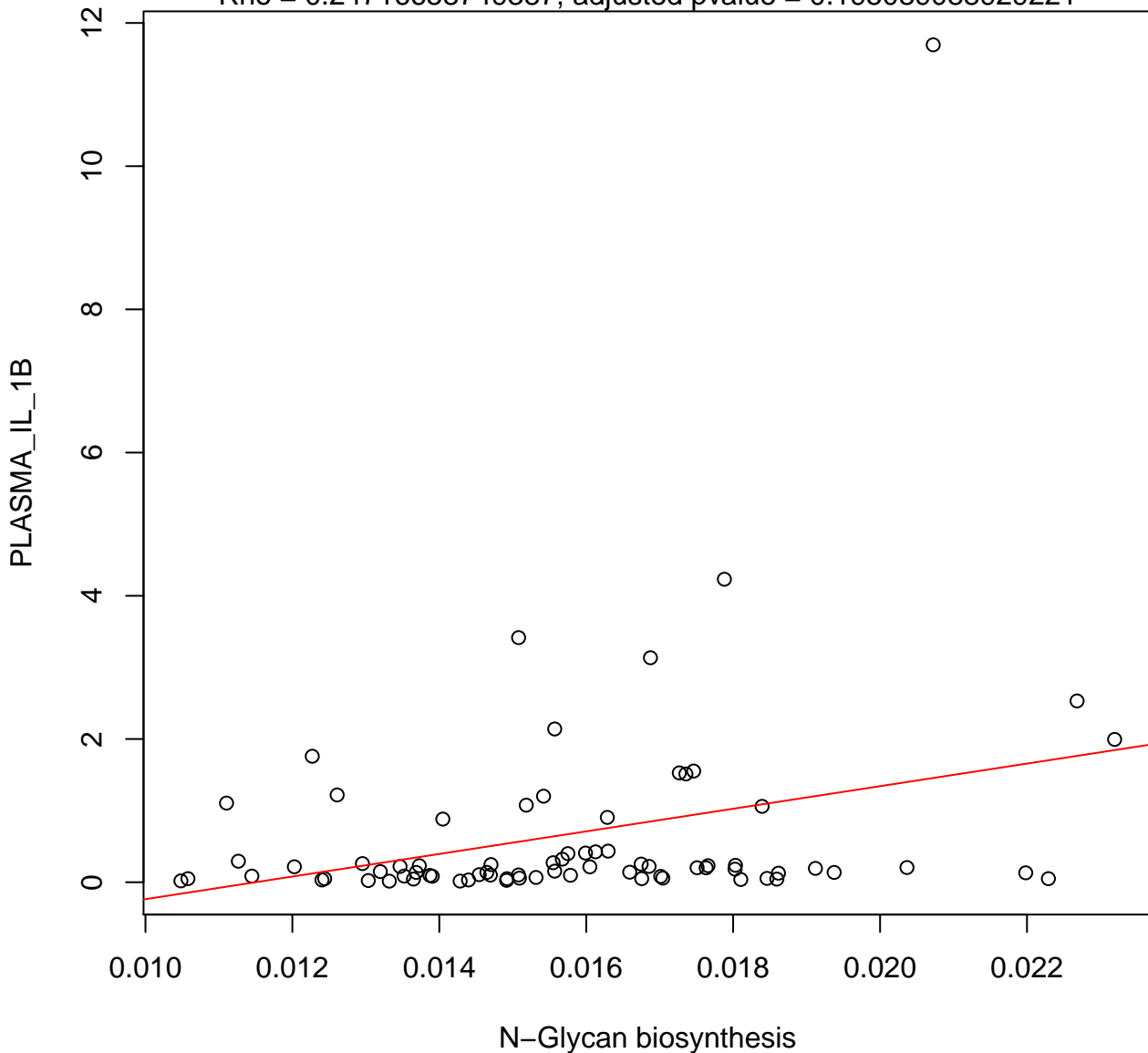
Timepoint 2 , PLASMA_IL_1B ~ Lysine biosynthesis

Rho = -0.340898216669045 , adjusted pvalue = 0.144647210061648



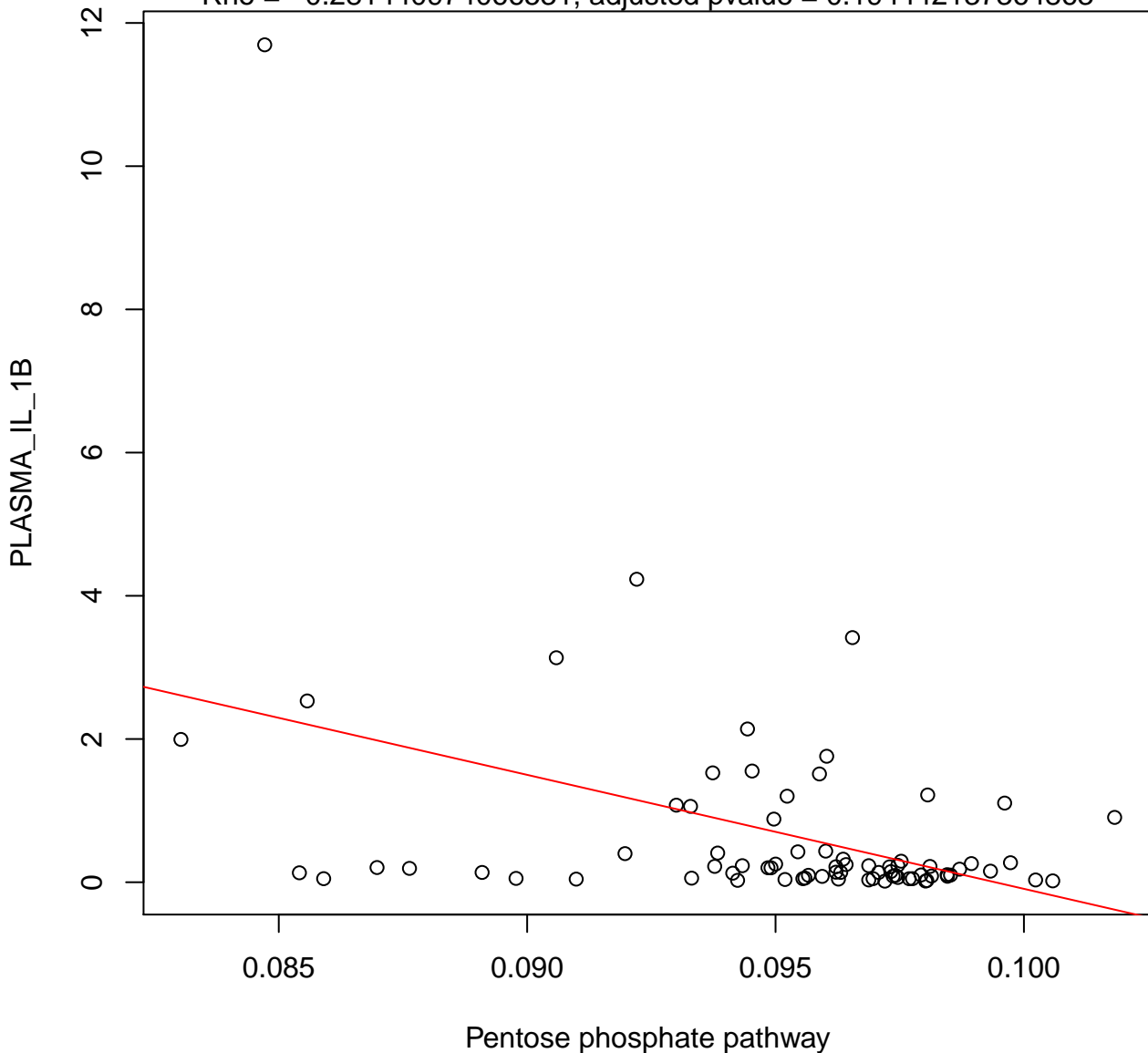
Timepoint 2 , PLASMA_IL_1B ~ N-Glycan biosynthesis

Rho = 0.24716658749387, adjusted pvalue = 0.195089088929221



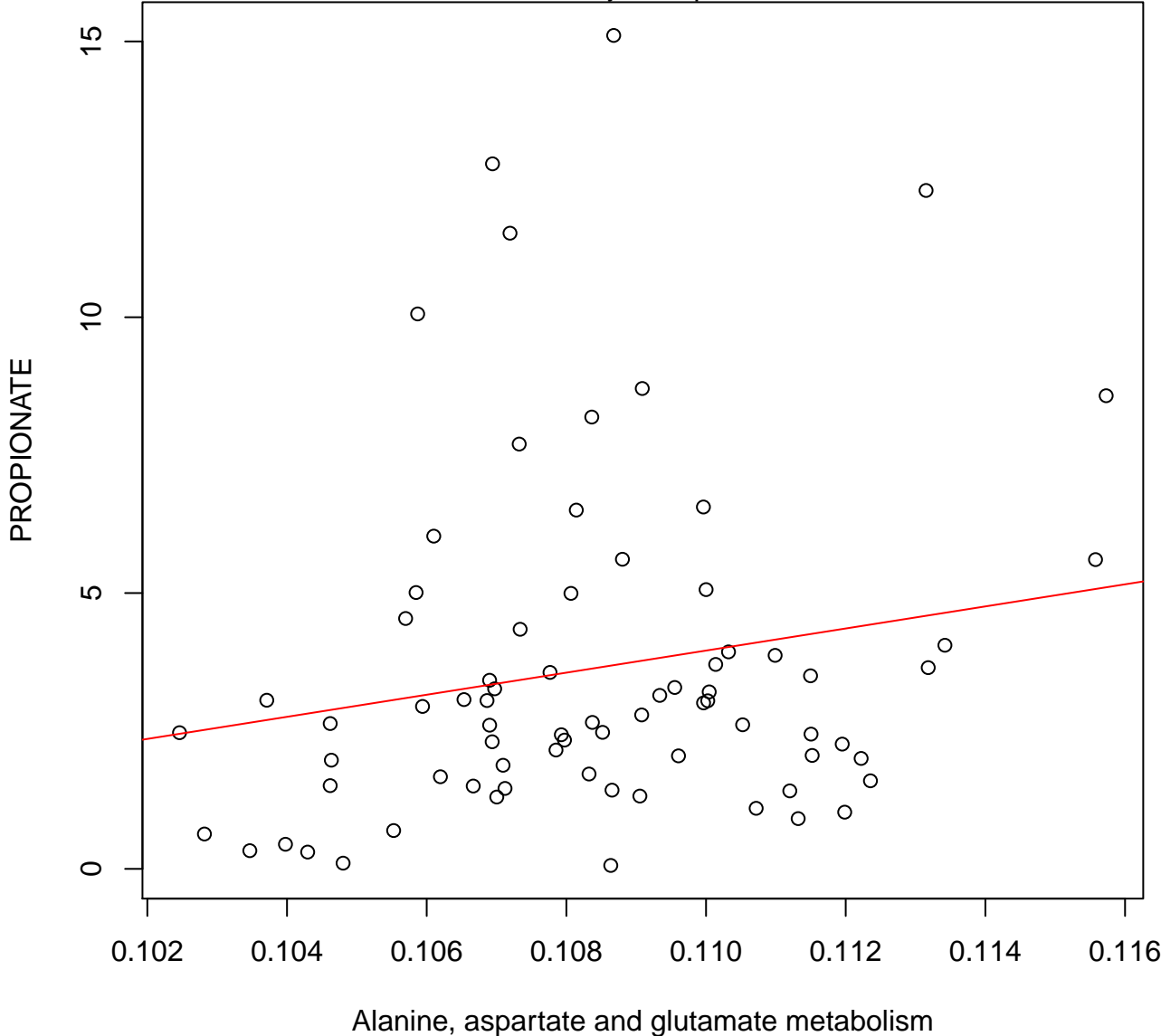
Timepoint 2 , PLASMA_IL_1B ~ Pentose phosphate pathway

Rho = -0.281440974066531 , adjusted pvalue = 0.194442137364863



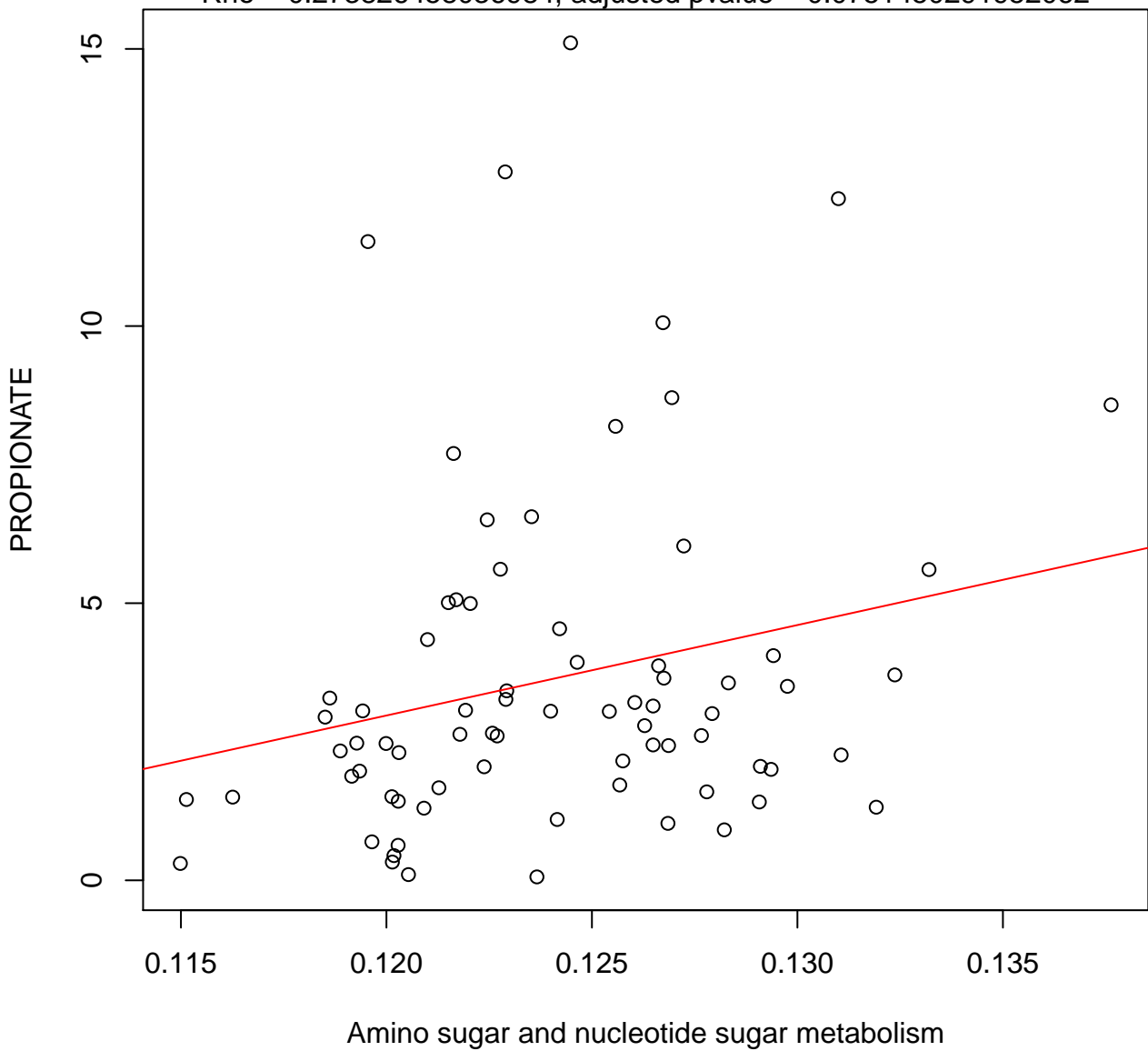
Timepoint 2 , PROPIONATE ~ Alanine, aspartate and glutamate metabolism

Rho = 0.204665718349929, adjusted pvalue = 0.218885736325203



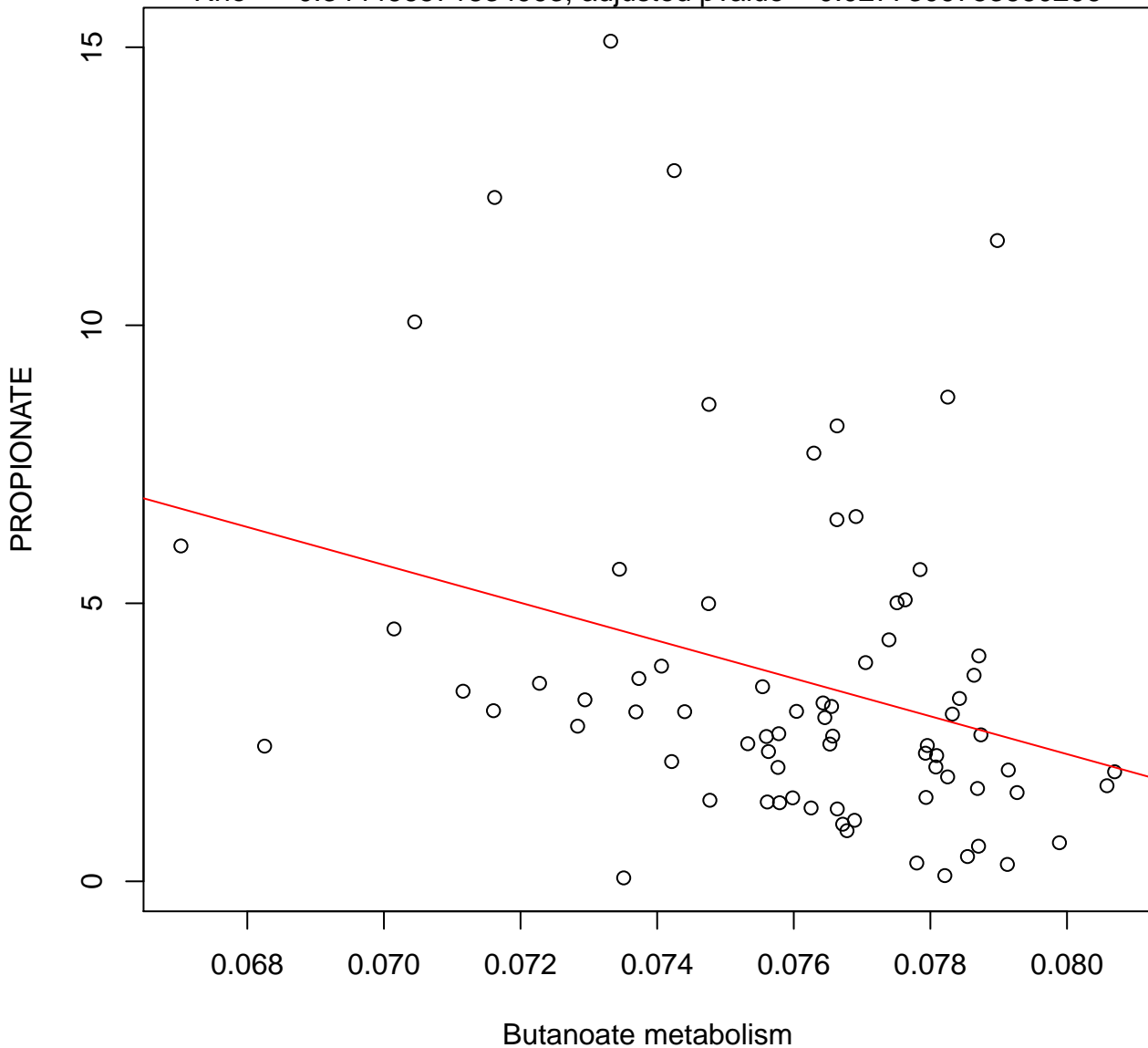
Timepoint 2 , PROPIONATE ~ Amino sugar and nucleotide sugar metabolism

Rho = 0.273826458036984, adjusted pvalue = 0.0751450291952062



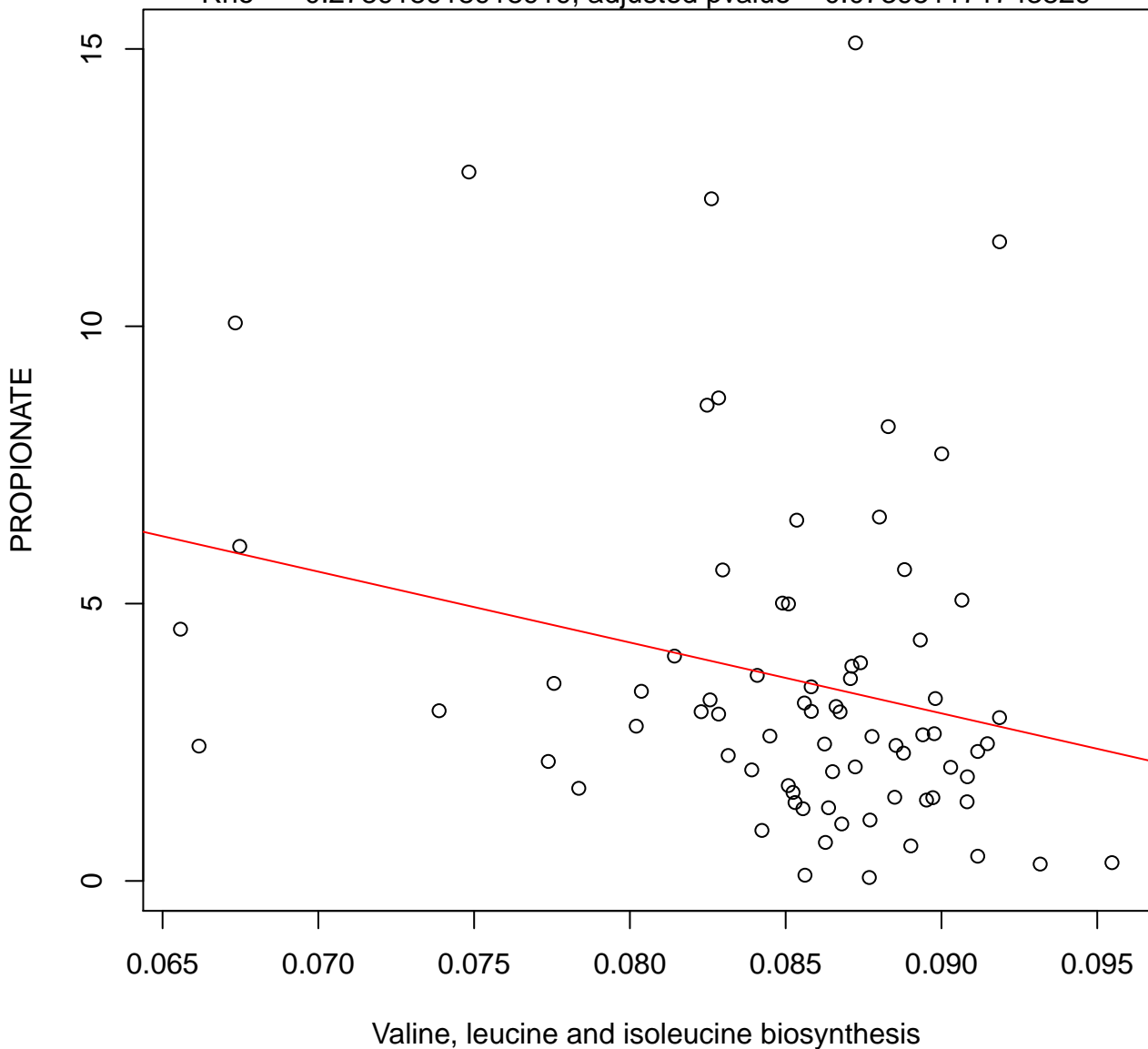
Timepoint 2 , PROPIONATE ~ Butanoate metabolism

Rho = -0.344466571834993 , adjusted pvalue = 0.0277309753660296



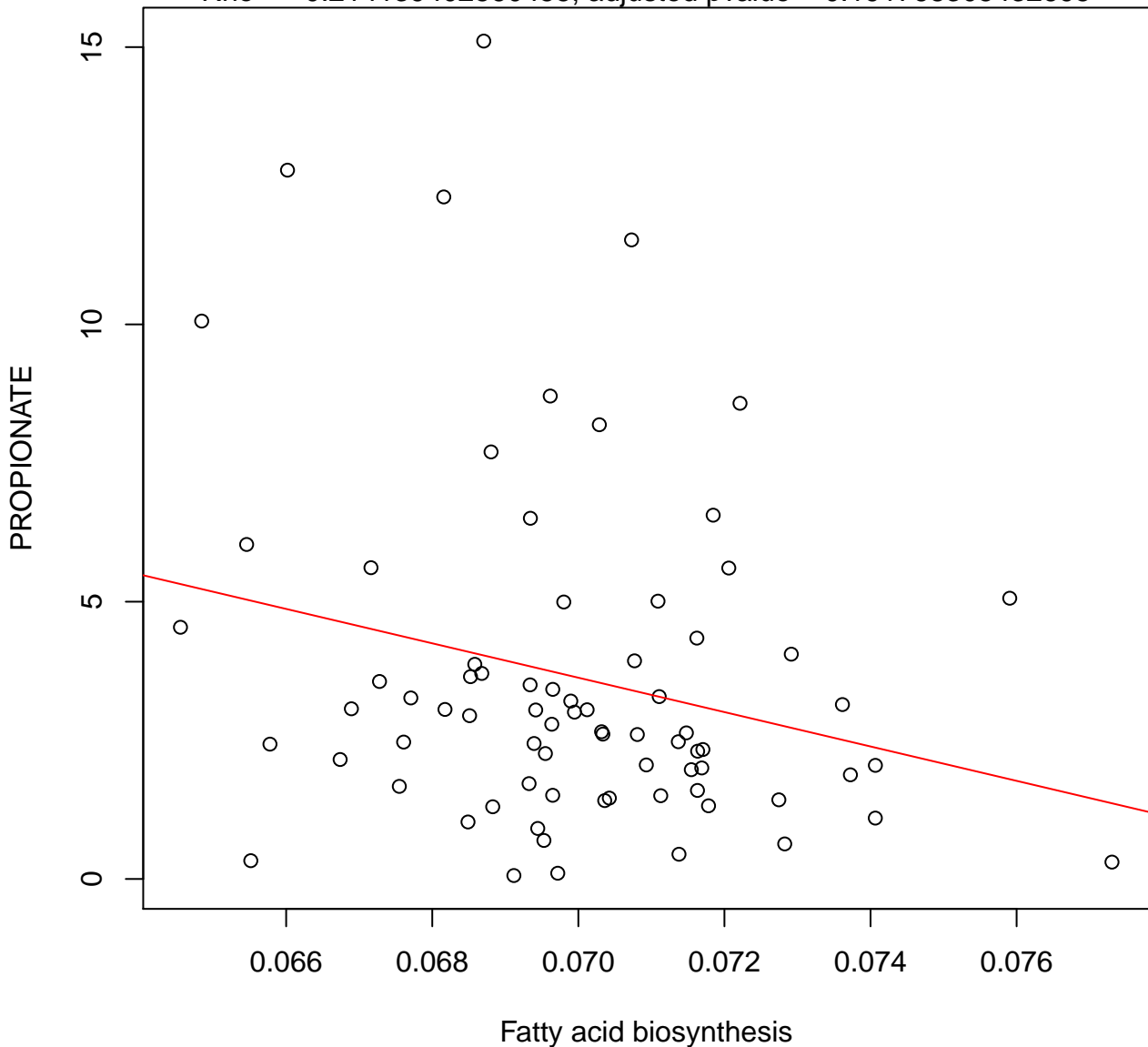
Timepoint 2 , PROPIONATE ~ Valine, leucine and isoleucine biosynthesis

Rho = -0.278918918918919 , adjusted pvalue = 0.073951171743829



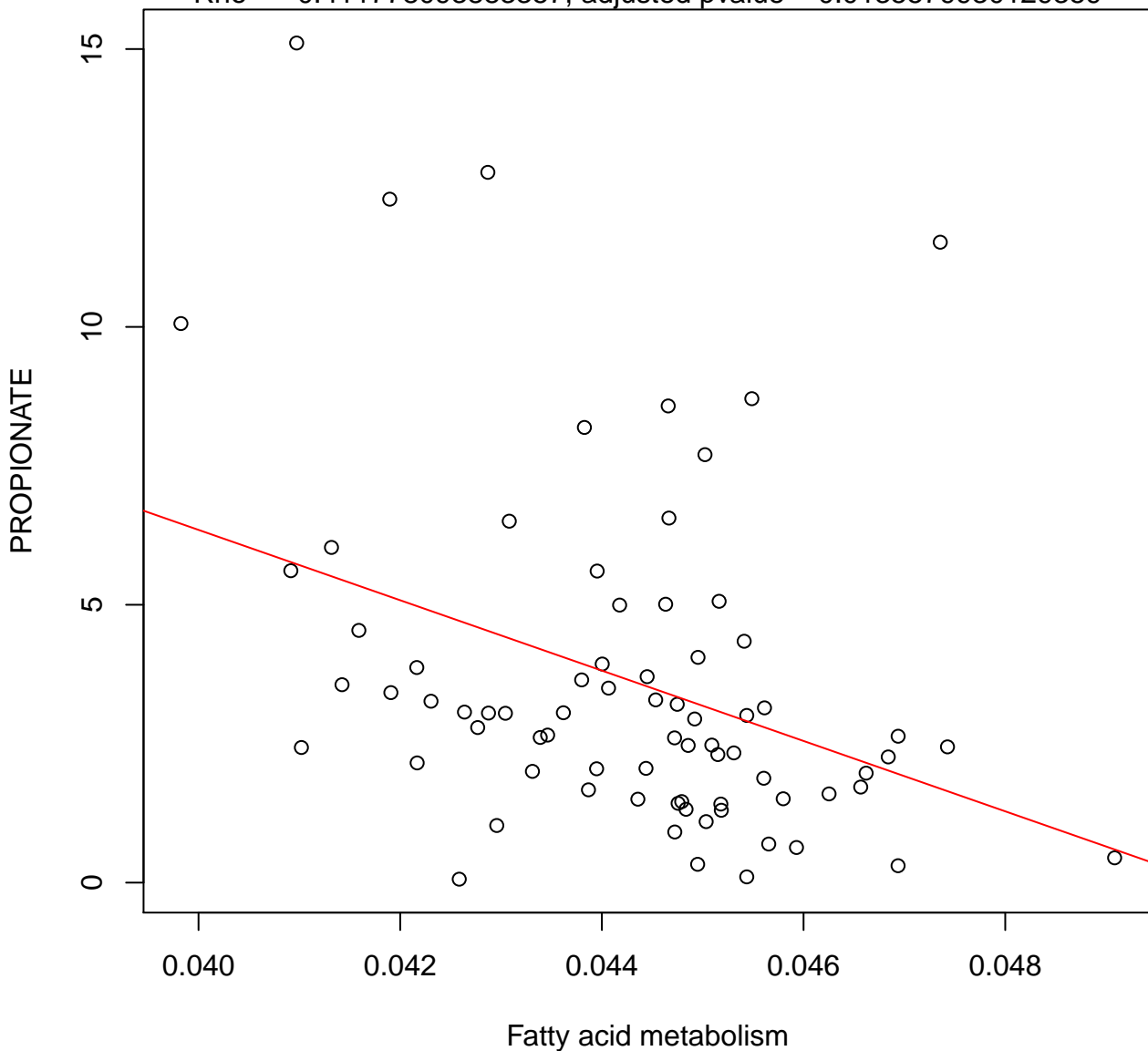
Timepoint 2 , PROPIONATE ~ Fatty acid biosynthesis

Rho = -0.214139402560455 , adjusted pvalue = 0.191768305432695



Timepoint 2 , PROPIONATE ~ Fatty acid metabolism

Rho = -0.411778093883357 , adjusted pvalue = 0.0135579930129359

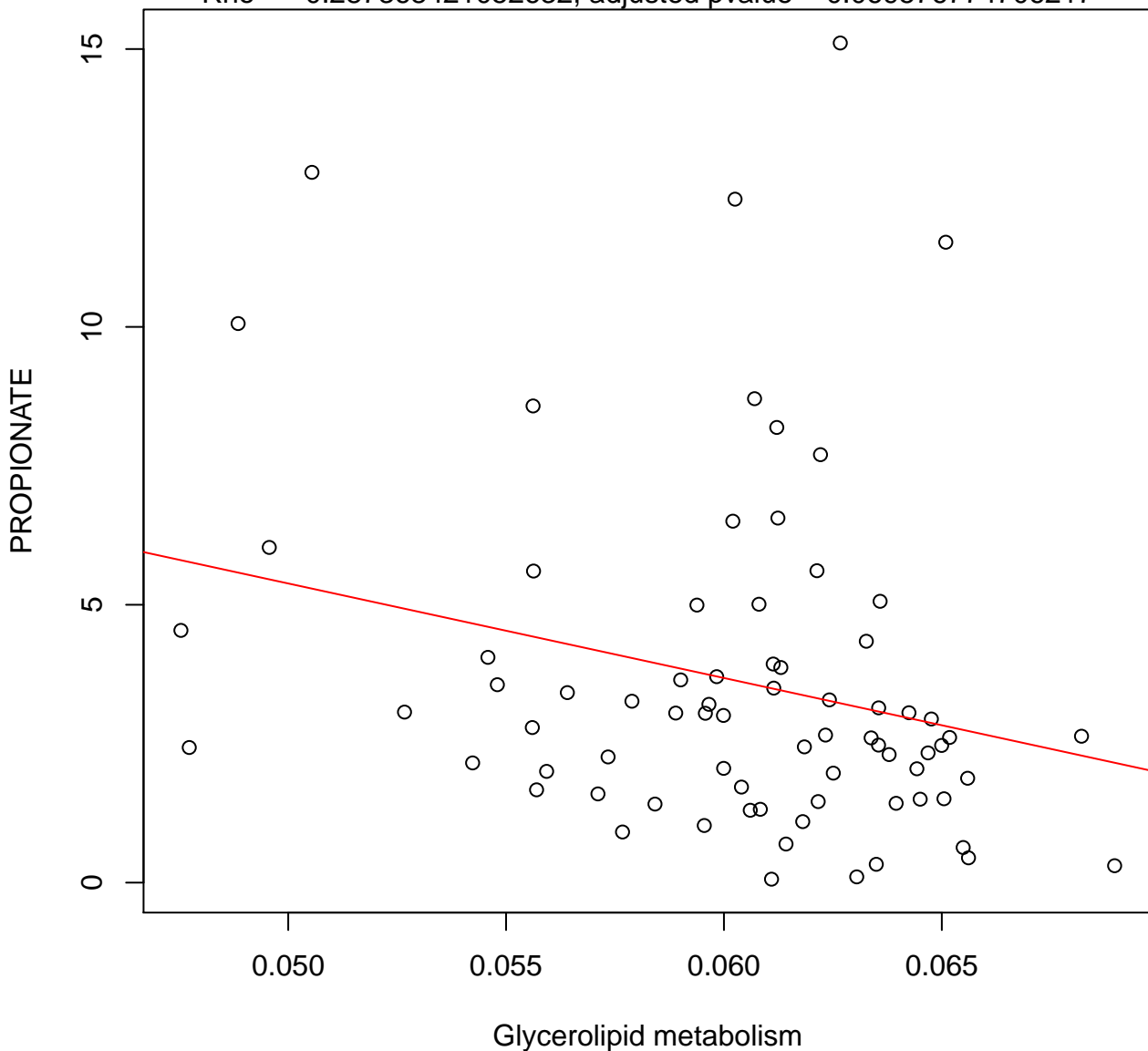


Rho = 0.306827880512091, adjusted pvalue = 0.0461538693769438

A scatter plot showing the relationship between Glycosyltransferases (X-axis) and PROPIONATE (Y-axis). The X-axis ranges from 0.050 to 0.070, and the Y-axis ranges from 0 to 15. A red regression line indicates a positive correlation. The data points are represented by open circles.

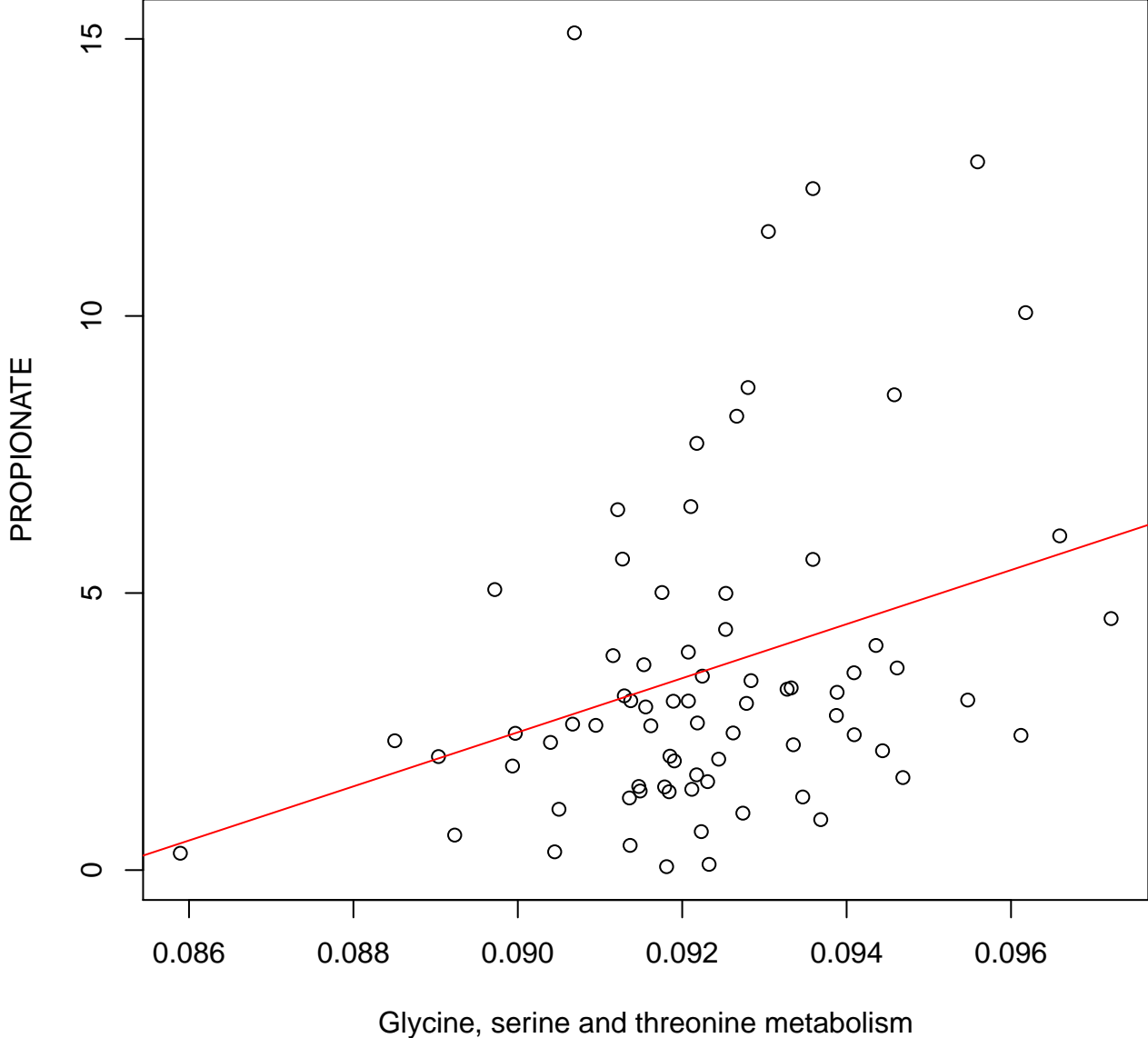
Timepoint 2 , PROPIONATE ~ Glycerolipid metabolism

Rho = -0.287368421052632 , adjusted pvalue = 0.069576774706217



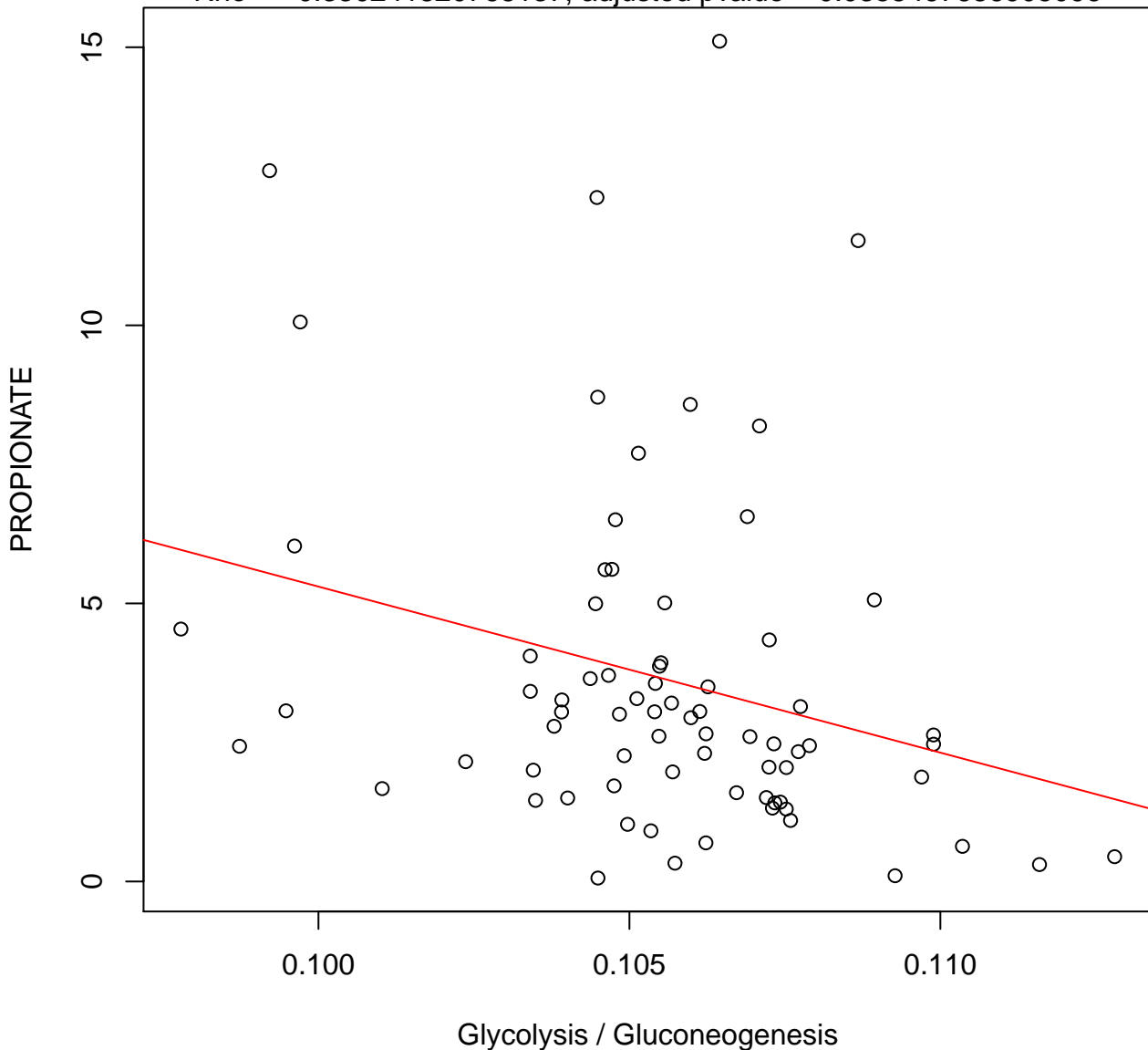
Timepoint 2 , PROPIONATE ~ Glycine, serine and threonine metabolism

Rho = 0.320341394025605, adjusted pvalue = 0.0406438991673587



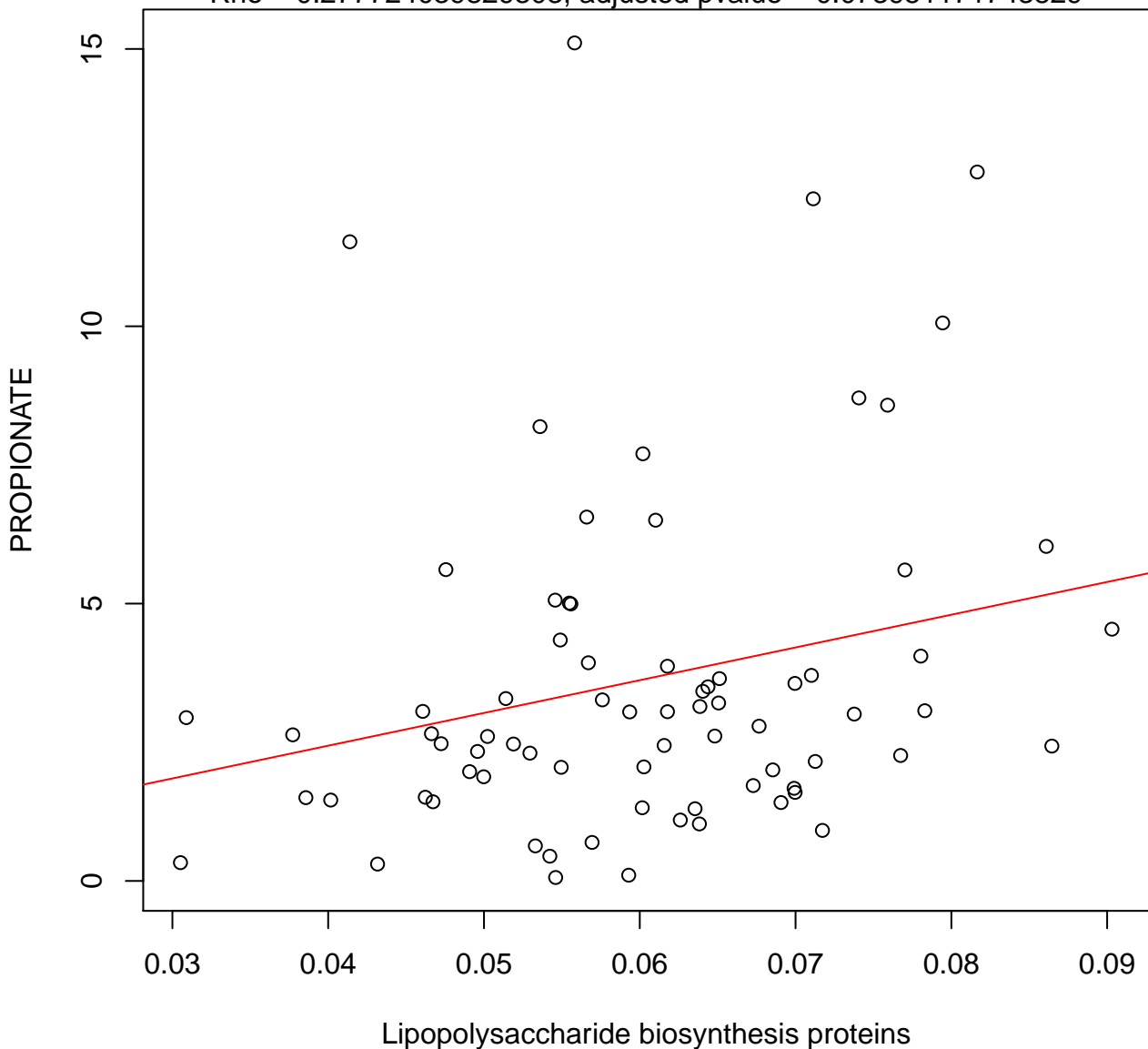
Timepoint 2, PROPIONATE ~ Glycolysis / Gluconeogenesis

Rho = -0.330241820768137, adjusted pvalue = 0.0355467686905096



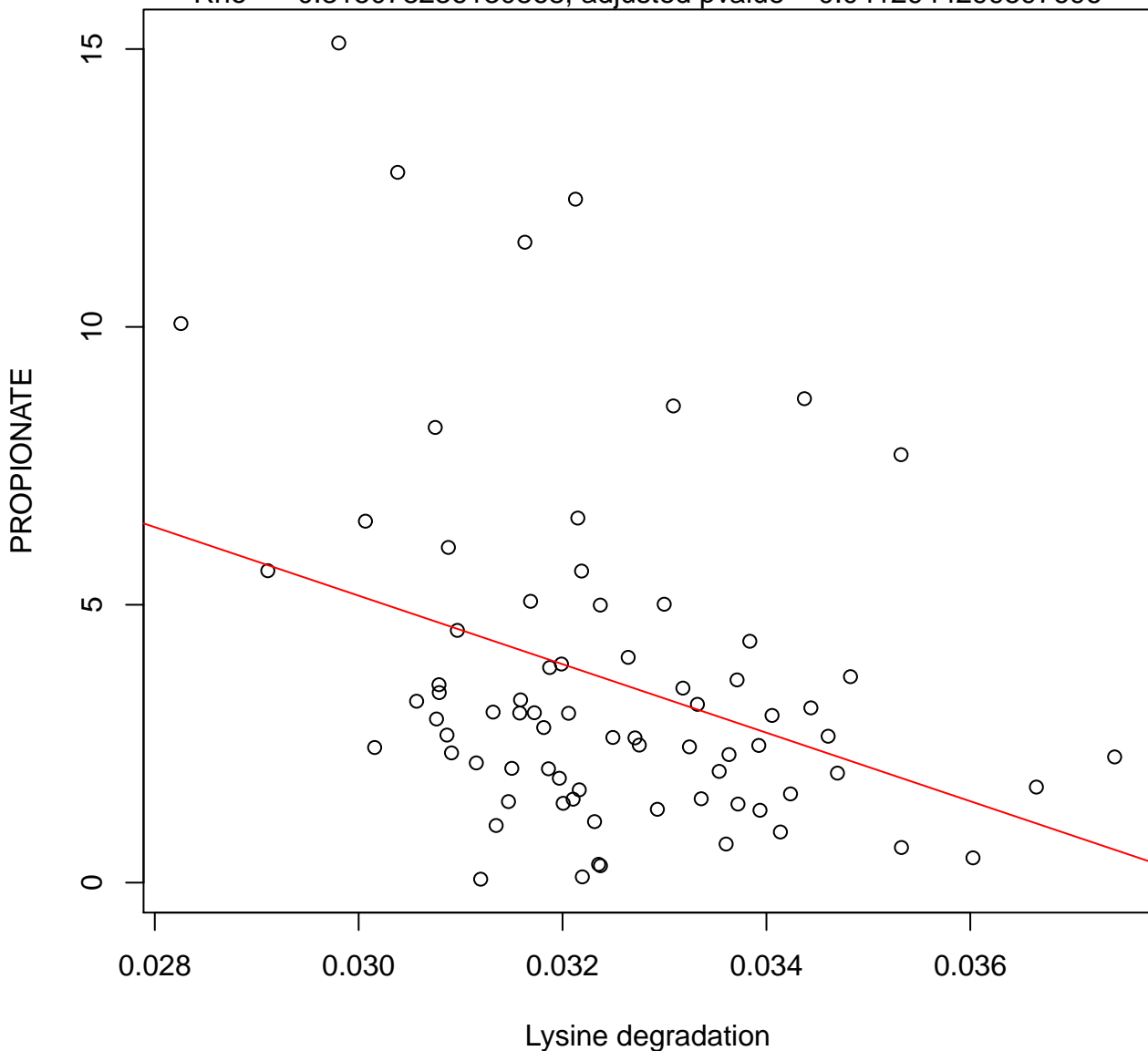
Timepoint 2 , PROPIONATE ~ Lipopolysaccharide biosynthesis proteins

Rho = 0.277724039829303, adjusted pvalue = 0.073951171743829



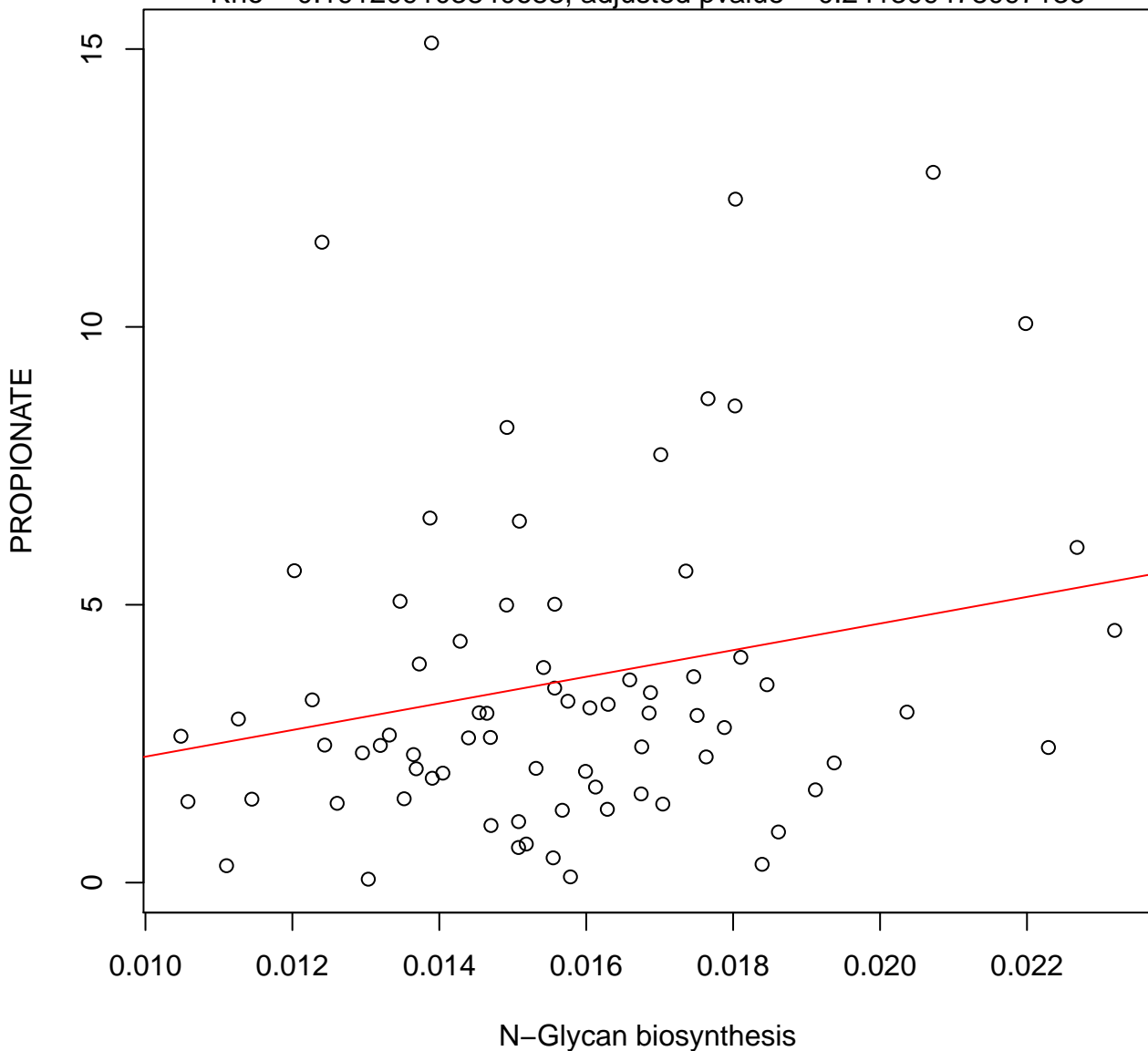
Timepoint 2 , PROPIONATE ~ Lysine degradation

Rho = -0.315078236130868 , adjusted pvalue = 0.0412944299597696



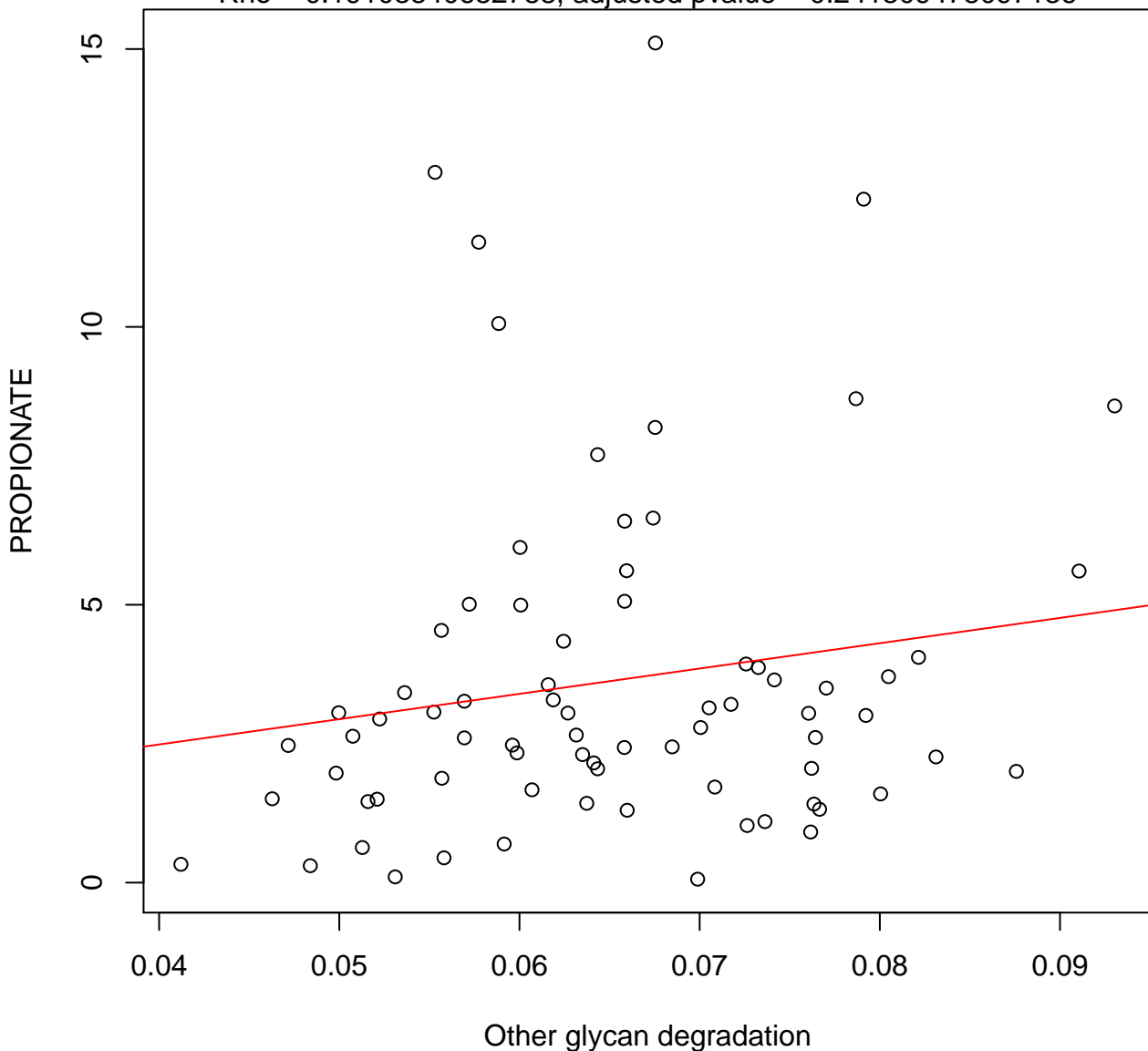
Timepoint 2 , PROPIONATE ~ N-Glycan biosynthesis

Rho = 0.191209103840683, adjusted pvalue = 0.241309478097136



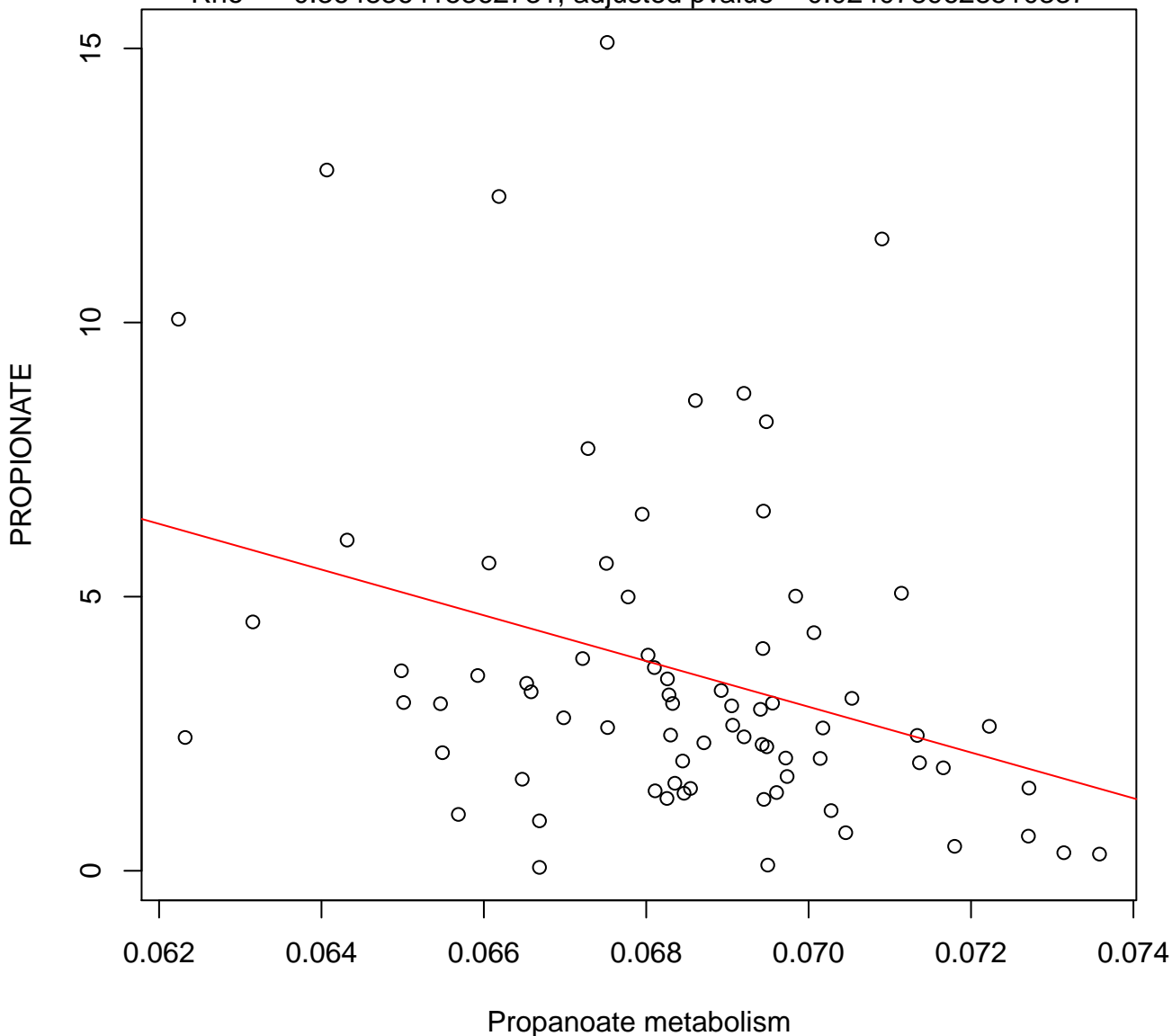
Timepoint 2 , PROPIONATE ~ Other glycan degradation

Rho = 0.19103840682788, adjusted pvalue = 0.241309478097136



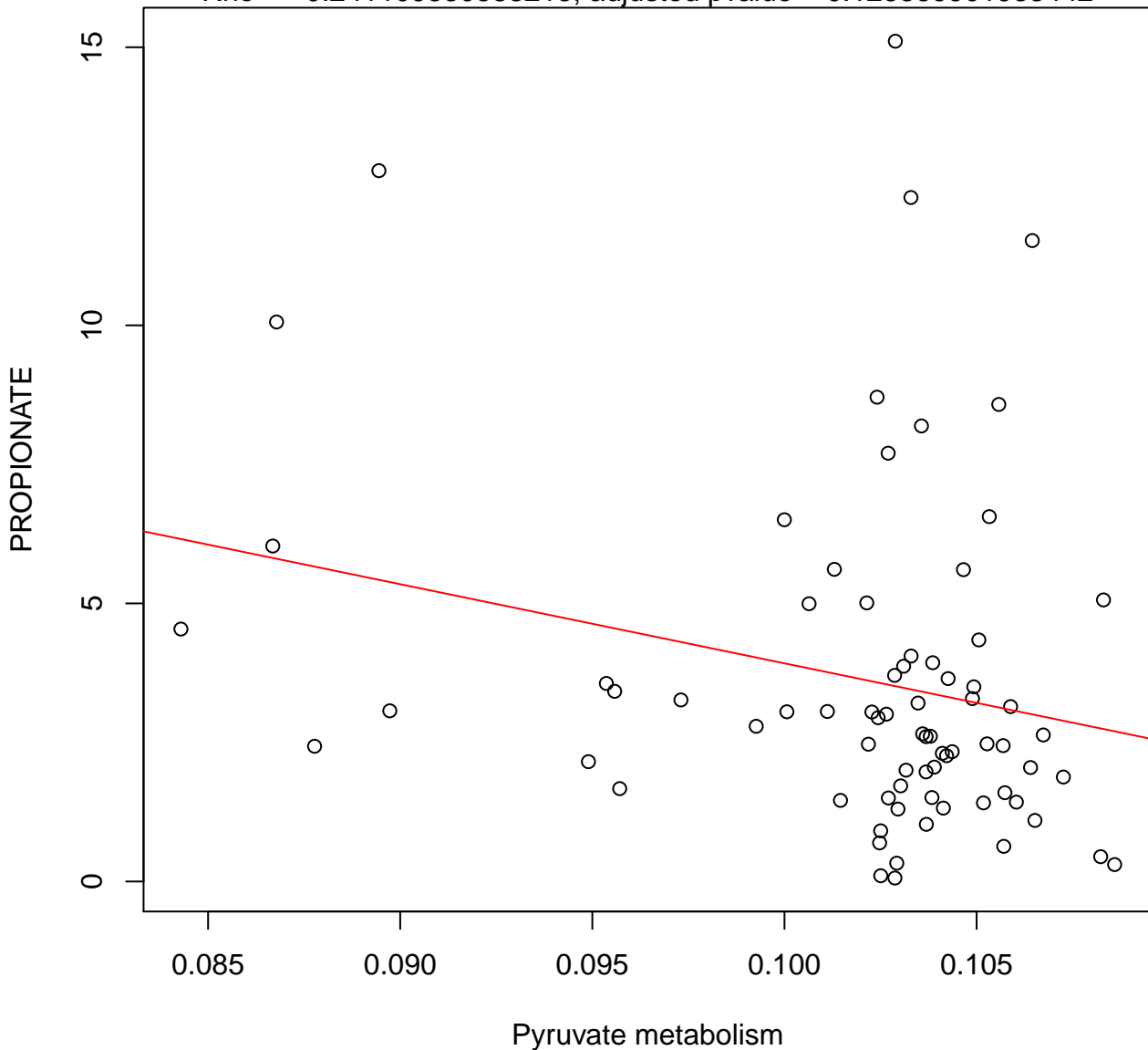
Timepoint 2 , PROPIONATE ~ Propanoate metabolism

Rho = -0.364836415362731 , adjusted pvalue = 0.0240789628510337



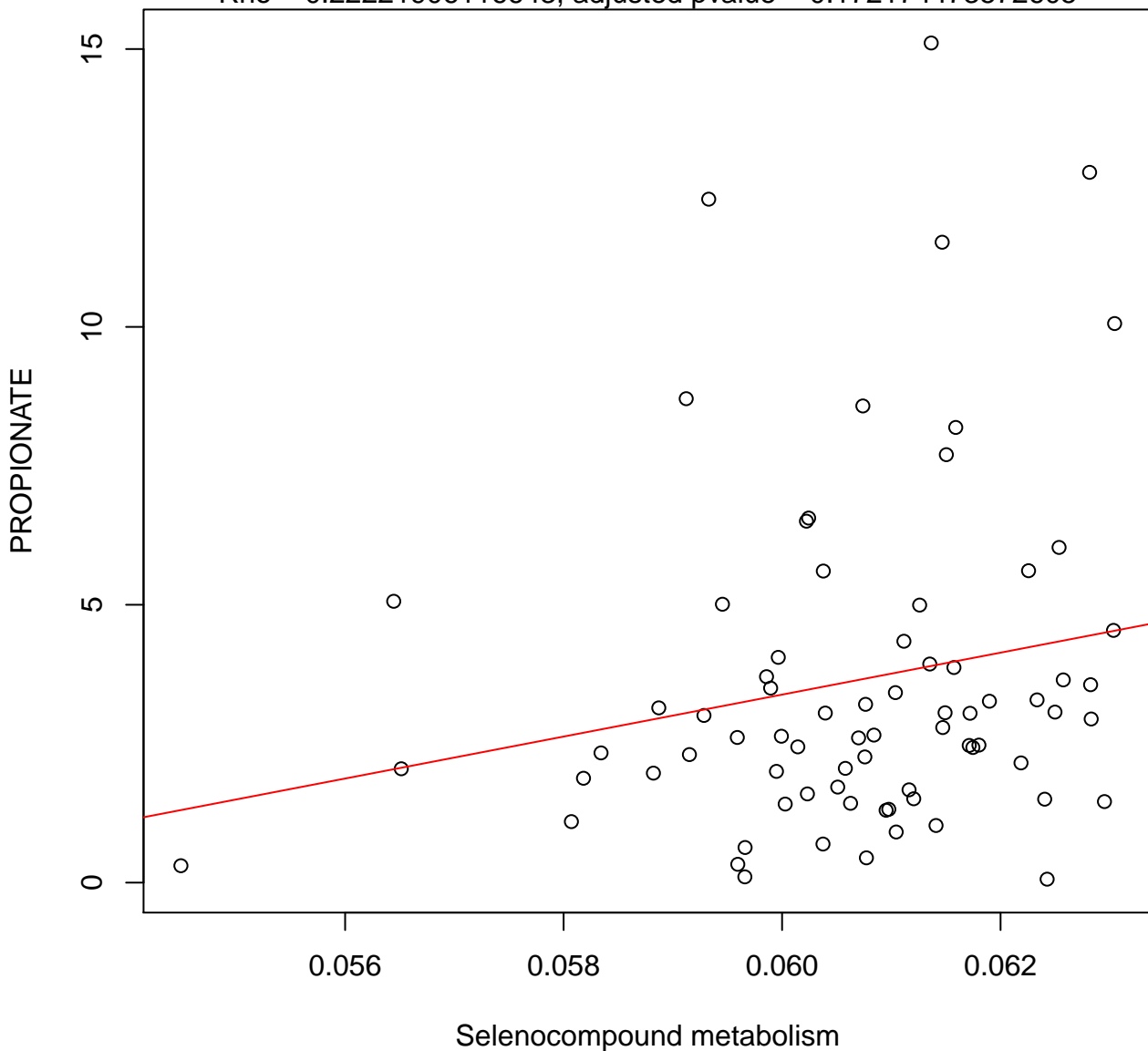
Timepoint 2 , PROPIONATE ~ Pyruvate metabolism

Rho = -0.241109530583215 , adjusted pvalue = 0.125369901933442



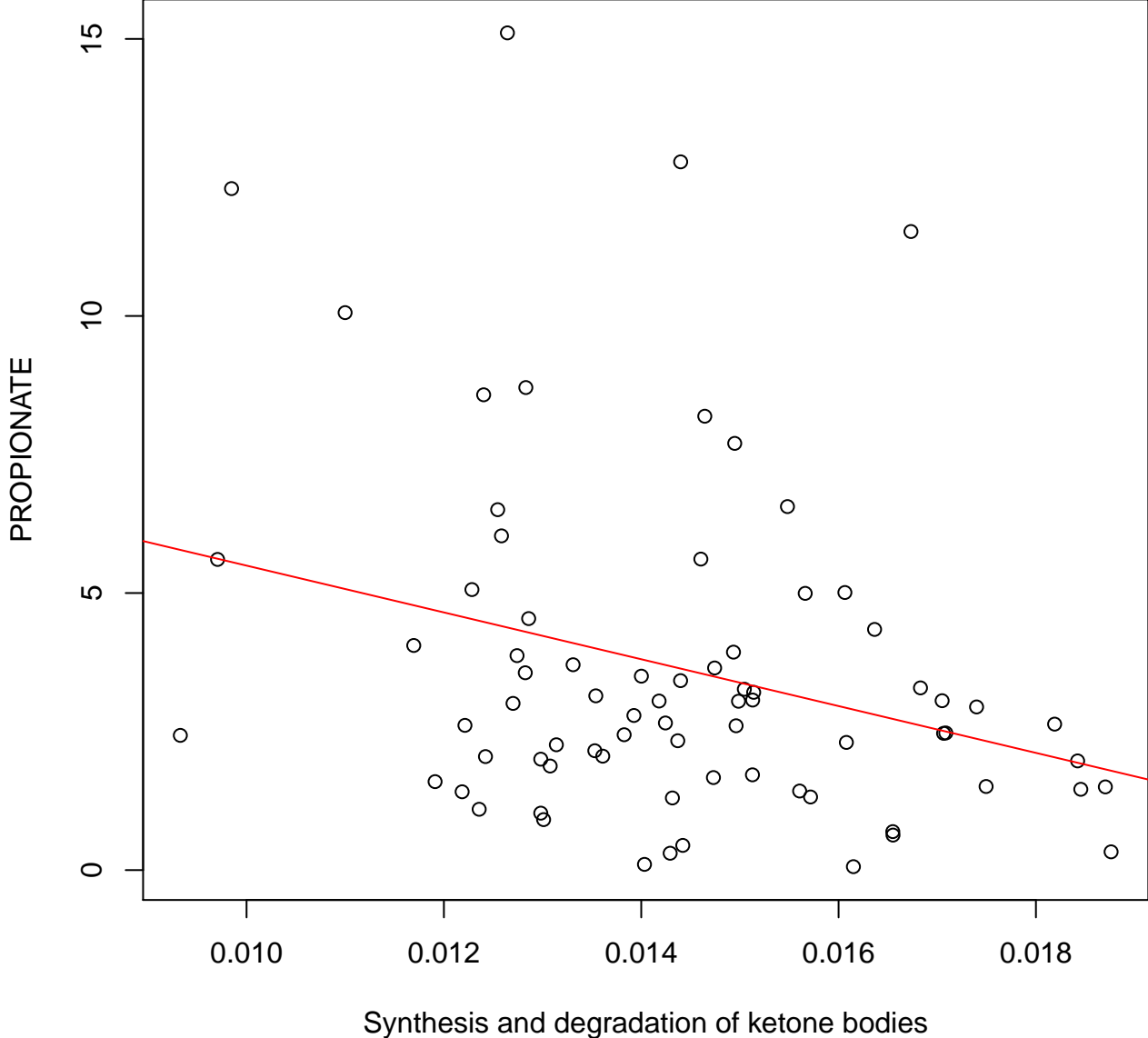
Timepoint 2 , PROPIONATE ~ Selenocompound metabolism

Rho = 0.22221906116643, adjusted pvalue = 0.172174473572605



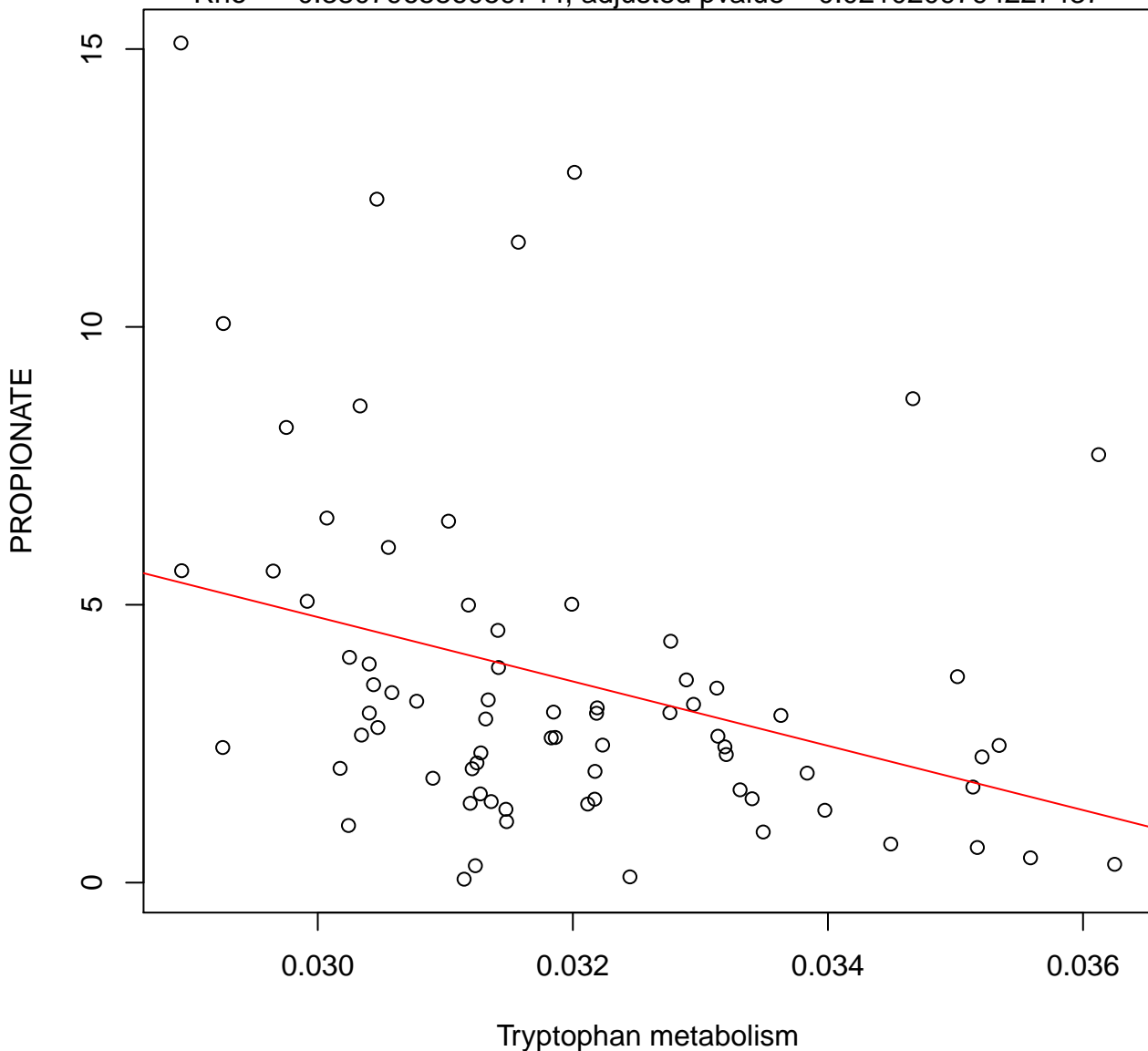
Timepoint 2 , PROPIONATE ~ Synthesis and degradation of ketone bodies

Rho = -0.242901849217639, adjusted pvalue = 0.125369901933442



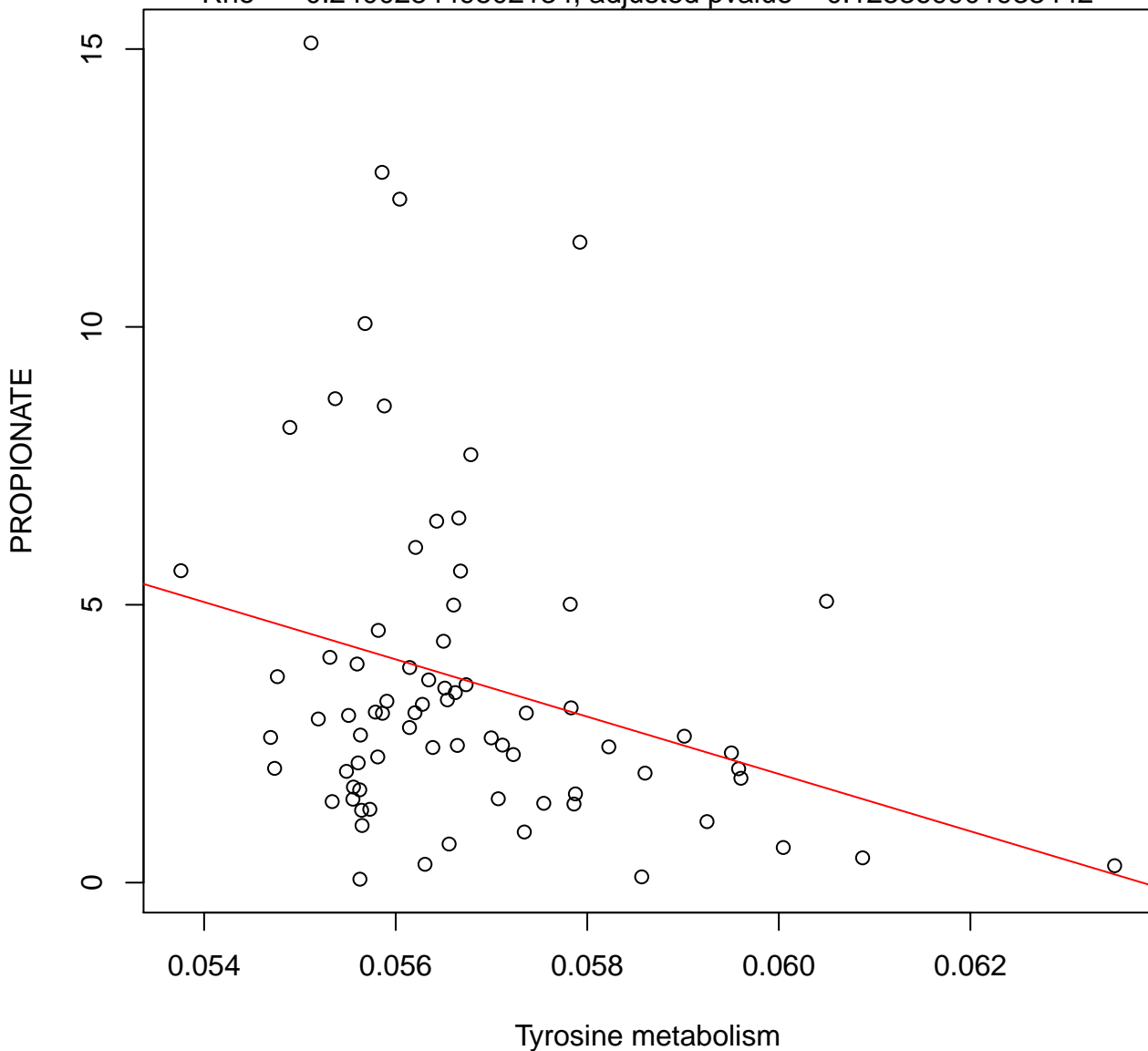
Timepoint 2 , PROPIONATE ~ Tryptophan metabolism

Rho = -0.380796586059744 , adjusted pvalue = 0.0210209794227437



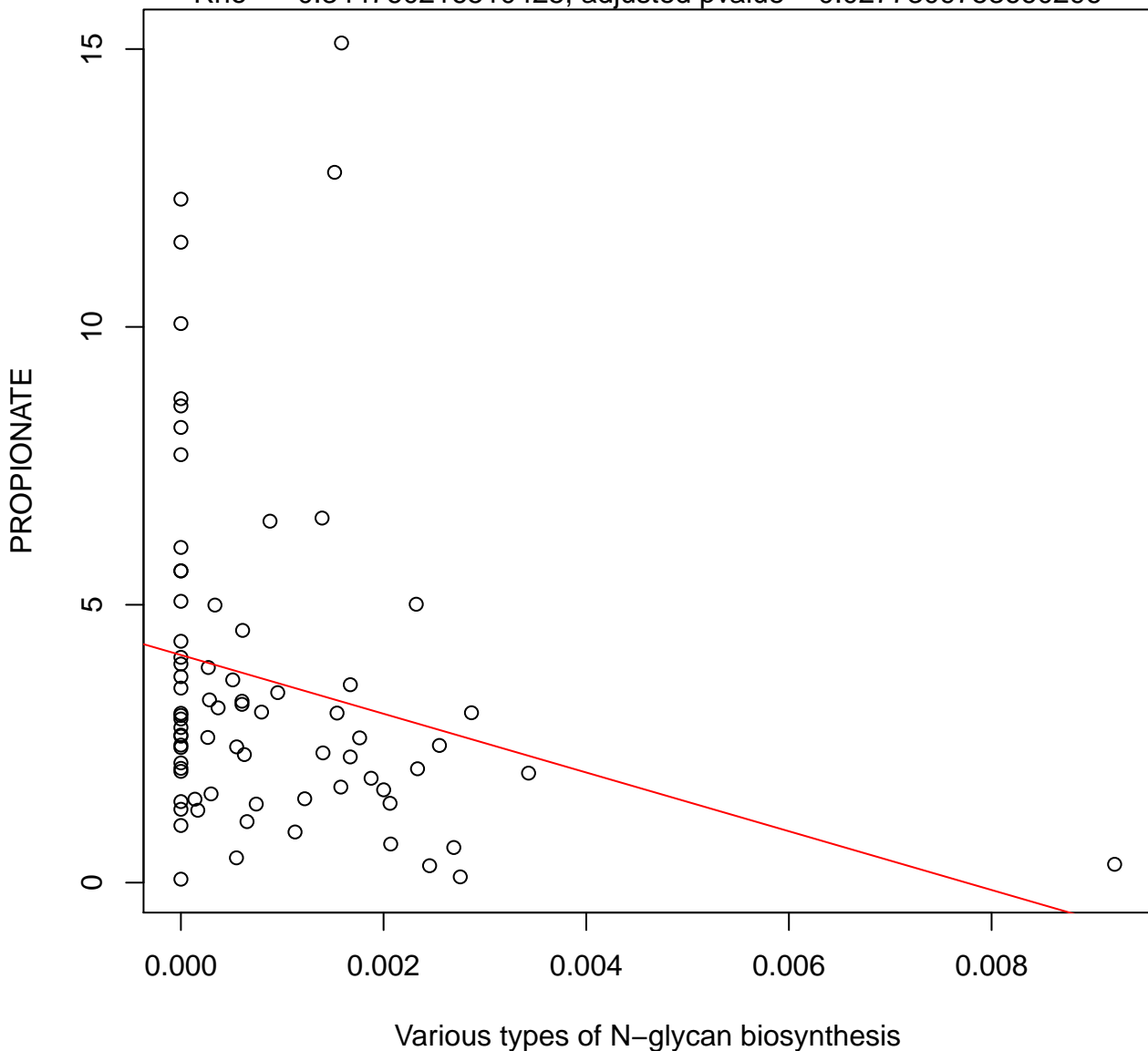
Timepoint 2 , PROPIONATE ~ Tyrosine metabolism

Rho = -0.240028449502134 , adjusted pvalue = 0.125369901933442



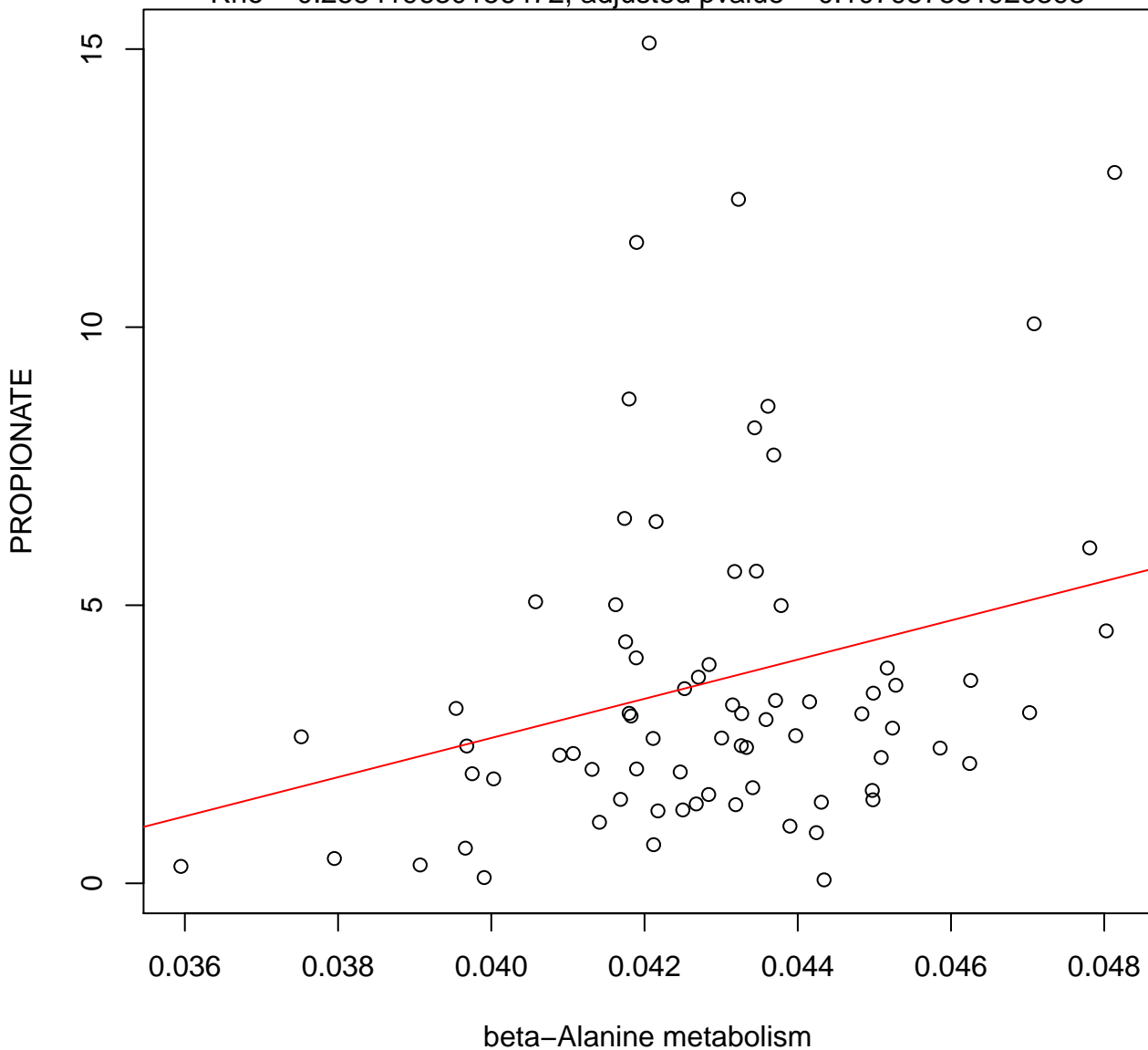
Timepoint 2 , PROPIONATE ~ Various types of N-glycan biosynthesis

Rho = -0.344760216510425 , adjusted pvalue = 0.0277309753660296



Timepoint 2 , PROPIONATE ~ beta-Alanine metabolism

Rho = 0.255419630156472, adjusted pvalue = 0.107957581926395



Timepoint 2 , BUTYRATE ~ Tryptophan metabolism

Rho = -0.393743909995094 , adjusted pvalue = 0.0155808254784986

