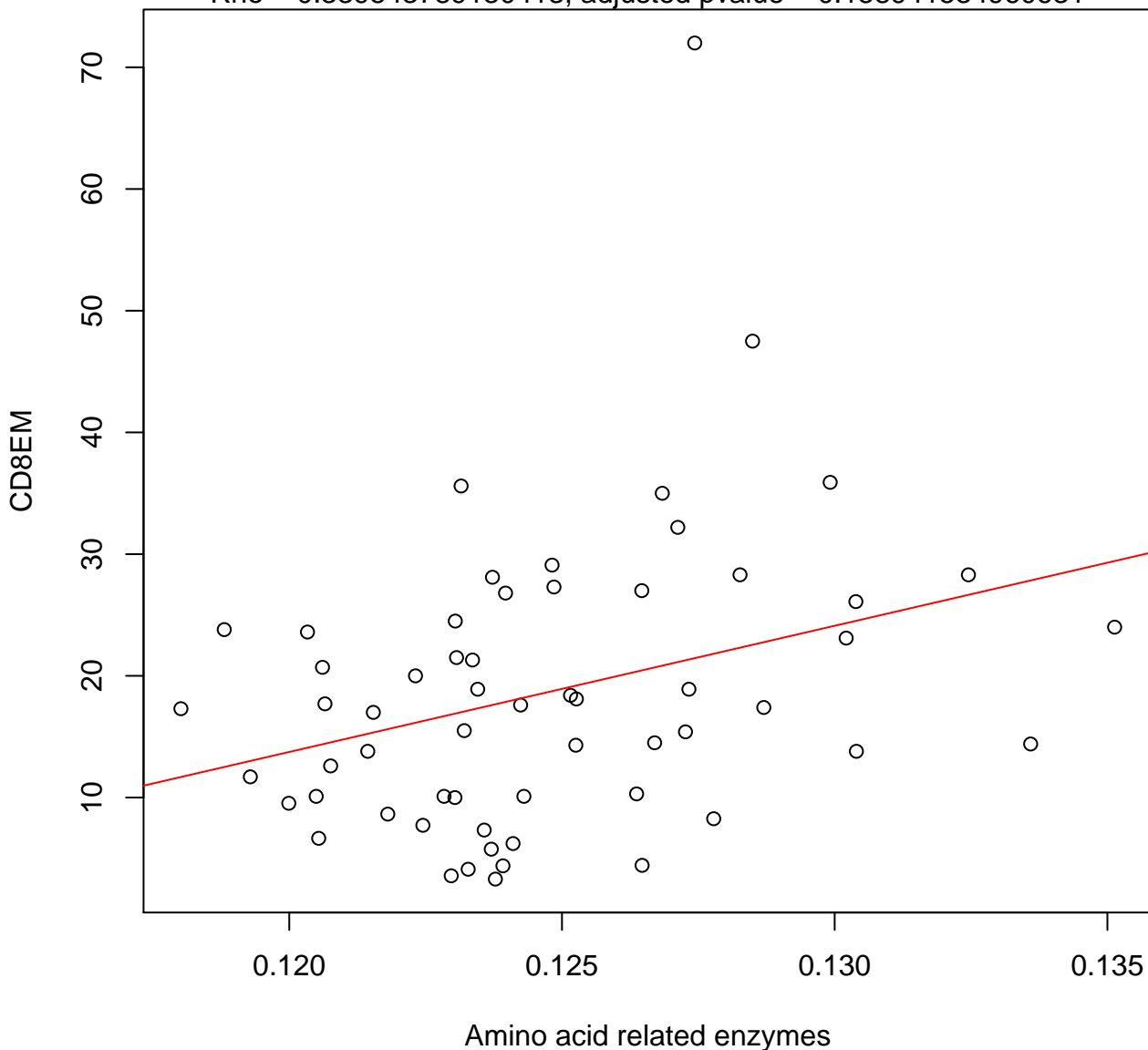


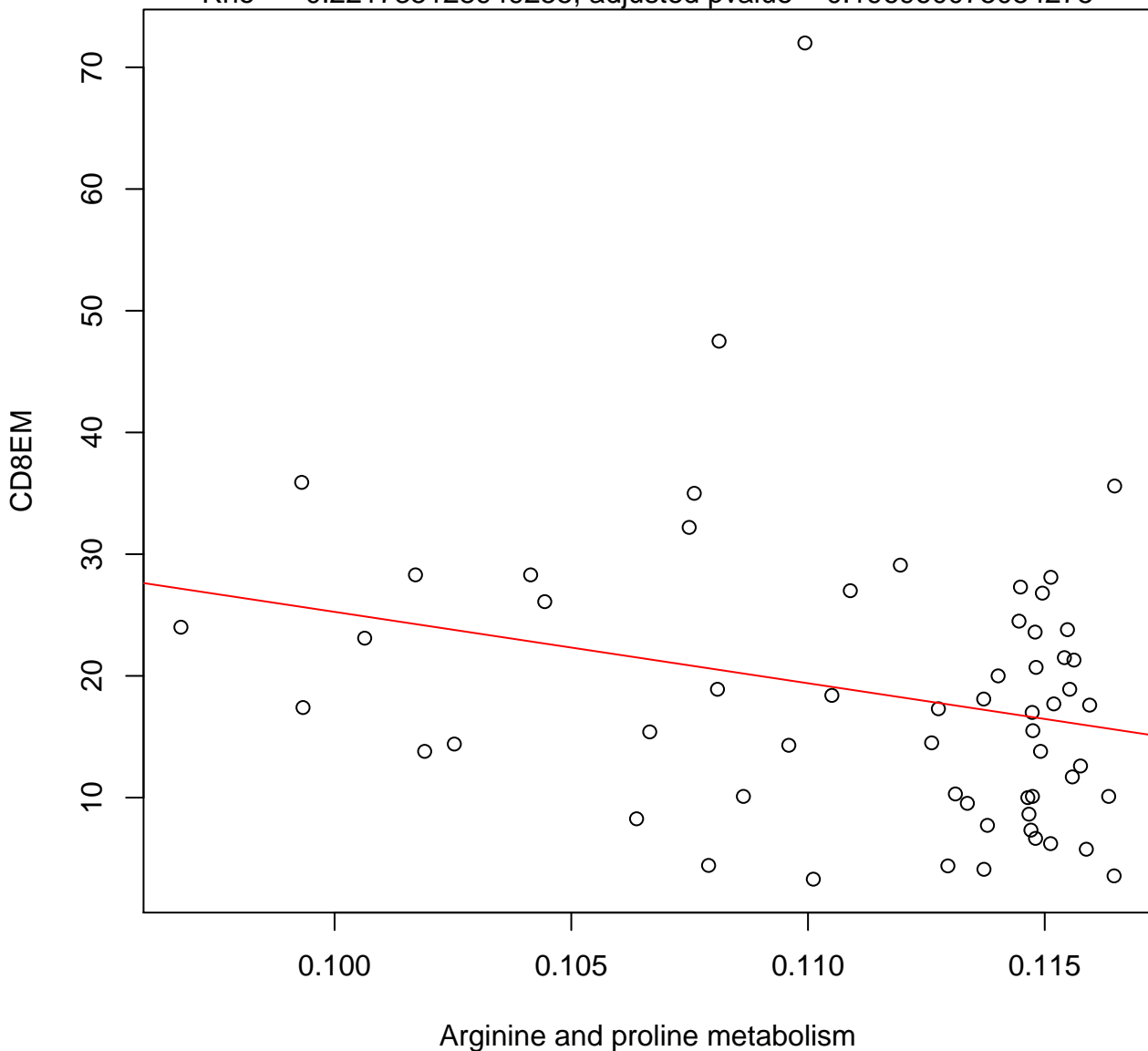
Time 1, CD8EM ~ Amino acid related enzymes

Rho = 0.339543789130413, adjusted pvalue = 0.158941534960631



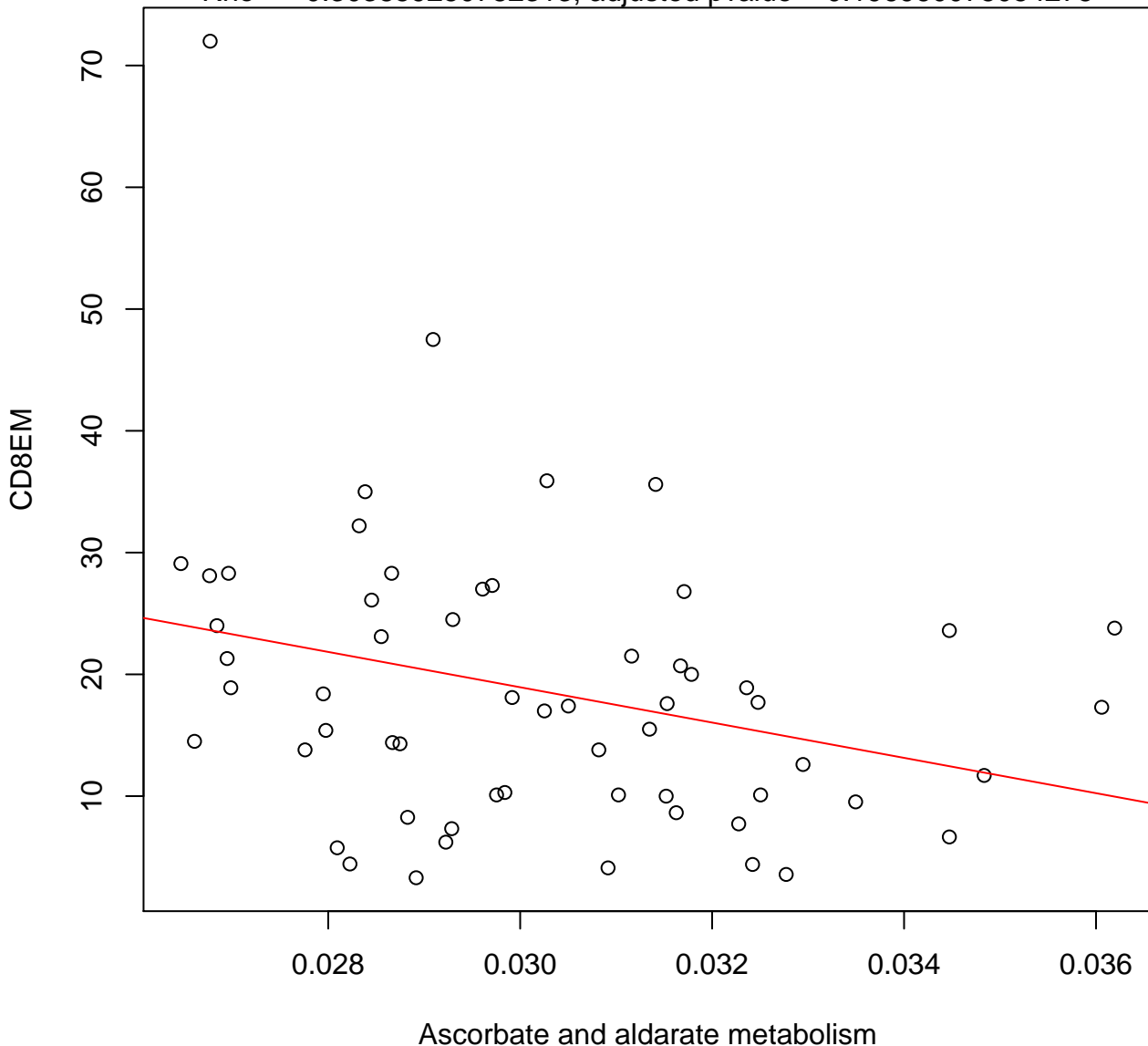
Time 1, CD8EM ~ Arginine and proline metabolism

Rho = -0.221735128949255 , adjusted pvalue = 0.196960075054275



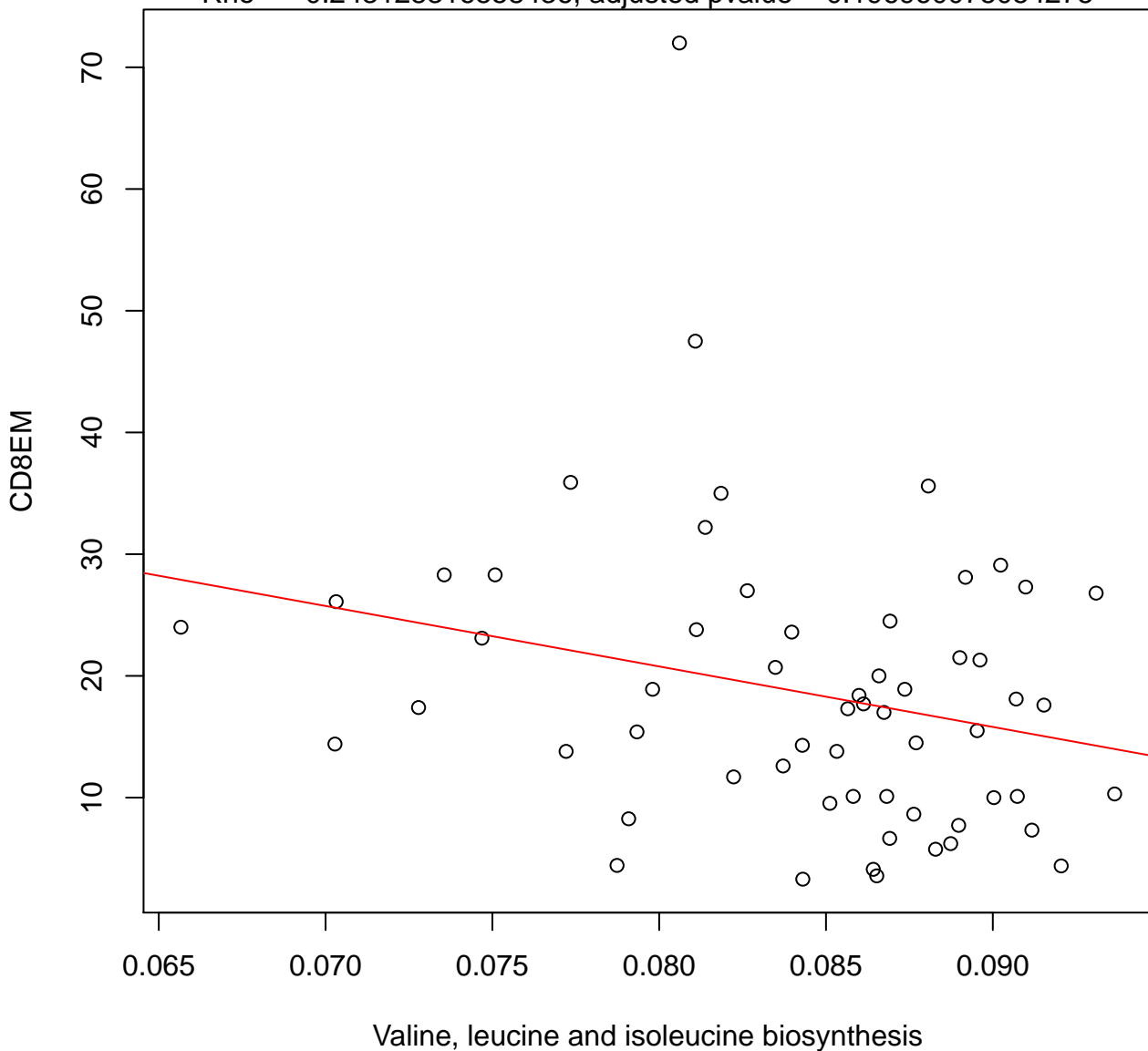
Time 1, CD8EM ~ Ascorbate and aldarate metabolism

Rho = -0.303859250782313 , adjusted pvalue = 0.196960075054275



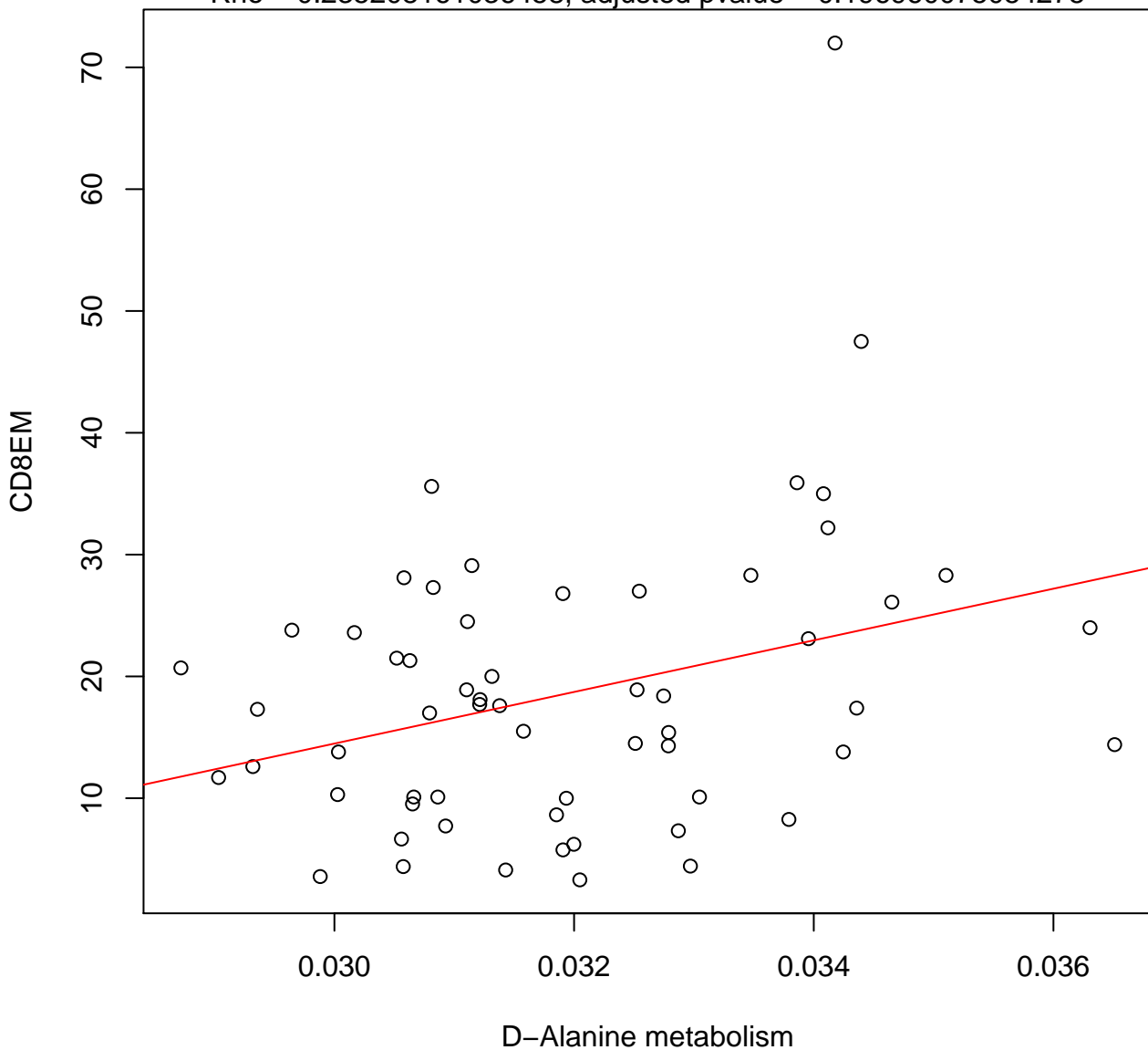
Time 1, CD8EM ~ Valine, leucine and isoleucine biosynthesis

Rho = -0.243128316558436 , adjusted pvalue = 0.196960075054275



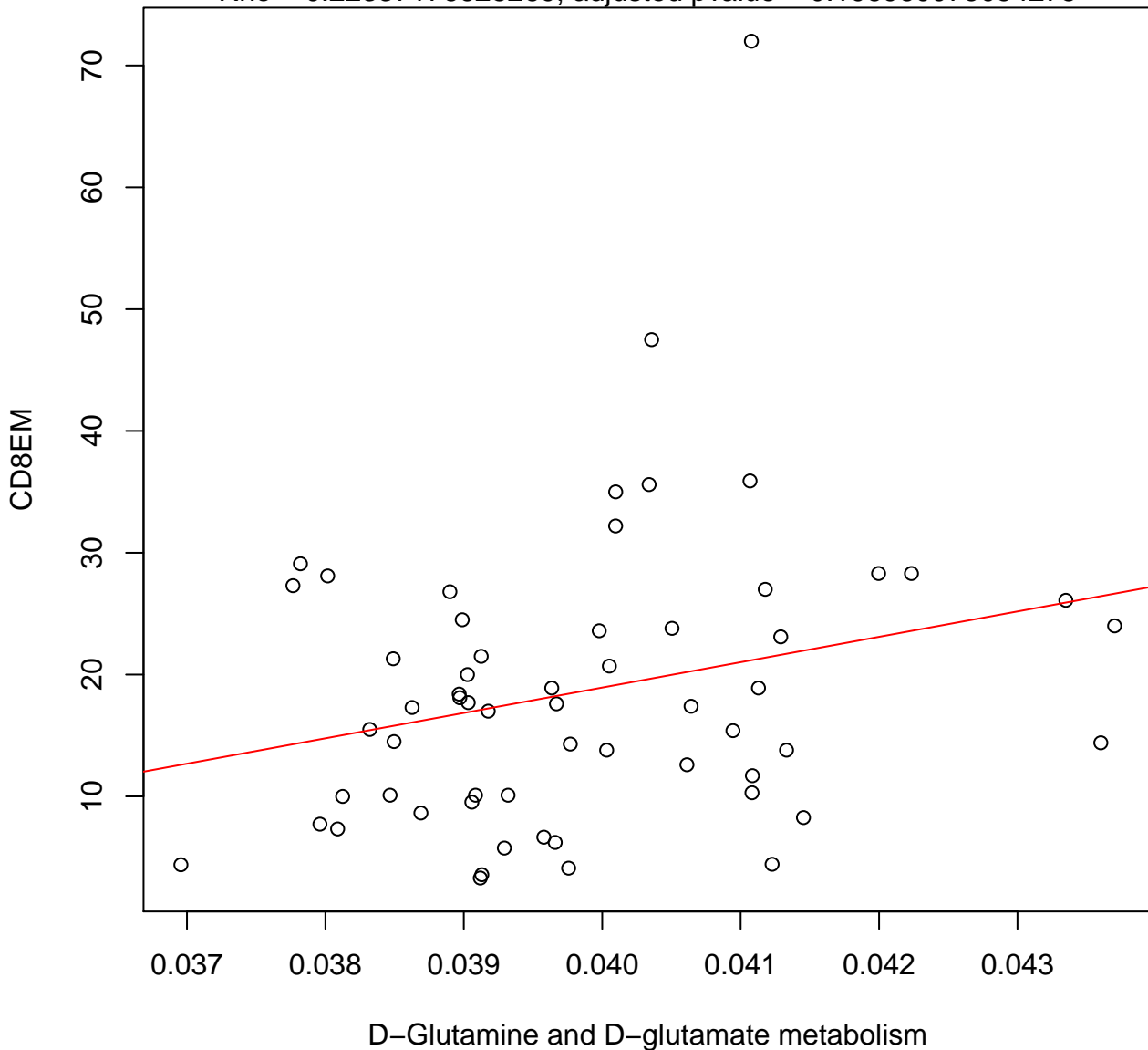
Time 1, CD8EM ~ D-Alanine metabolism

Rho = 0.235208161036458, adjusted pvalue = 0.196960075054275



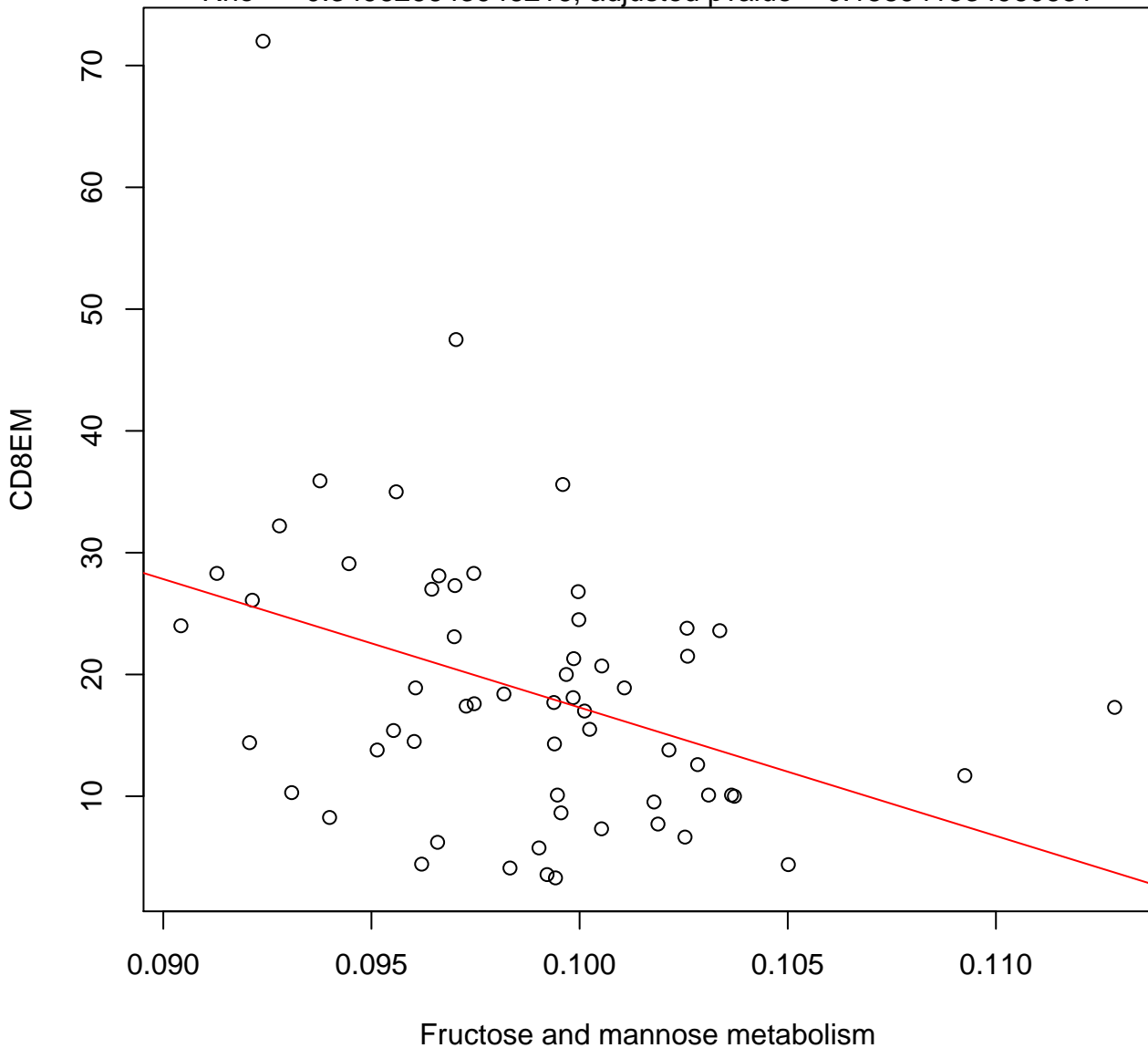
Time 1, CD8EM ~ D-Glutamine and D-glutamate metabolism

Rho = 0.22337176625269, adjusted pvalue = 0.196960075054275



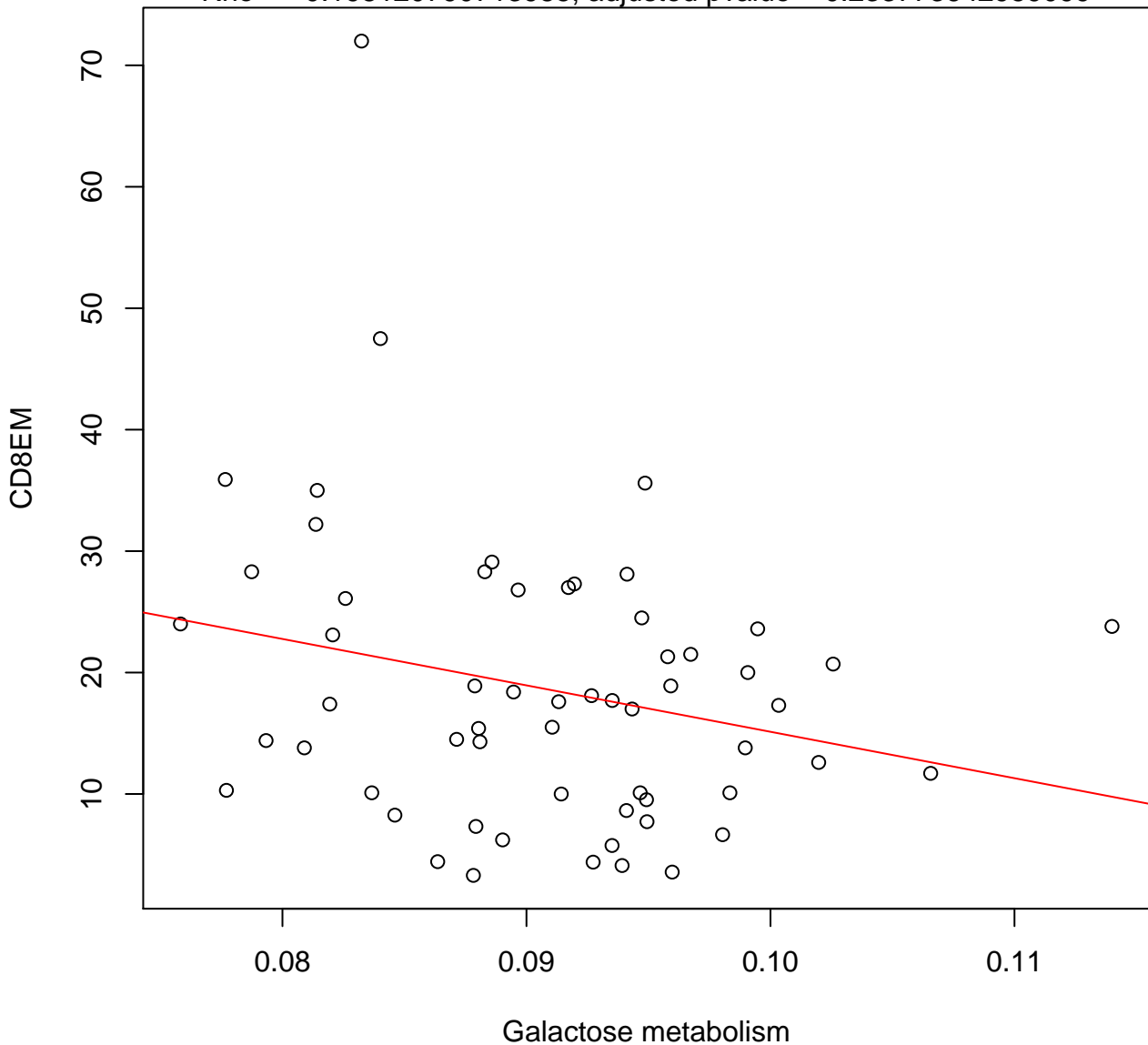
Time 1, CD8EM ~ Fructose and mannose metabolism

Rho = -0.349626643946216, adjusted pvalue = 0.158941534960631



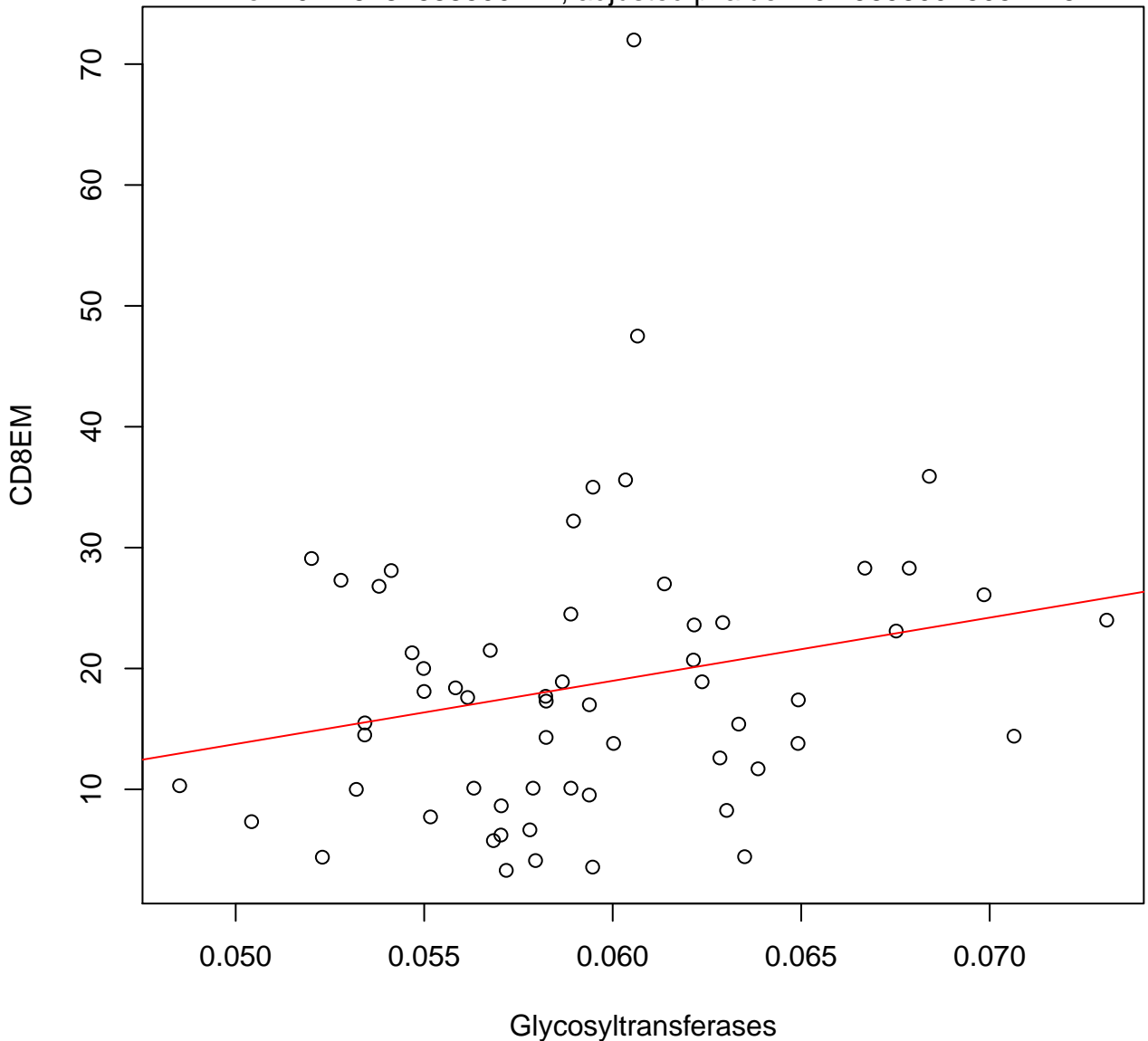
Time 1, CD8EM ~ Galactose metabolism

Rho = -0.198120790713985 , adjusted pvalue = 0.233773642959099



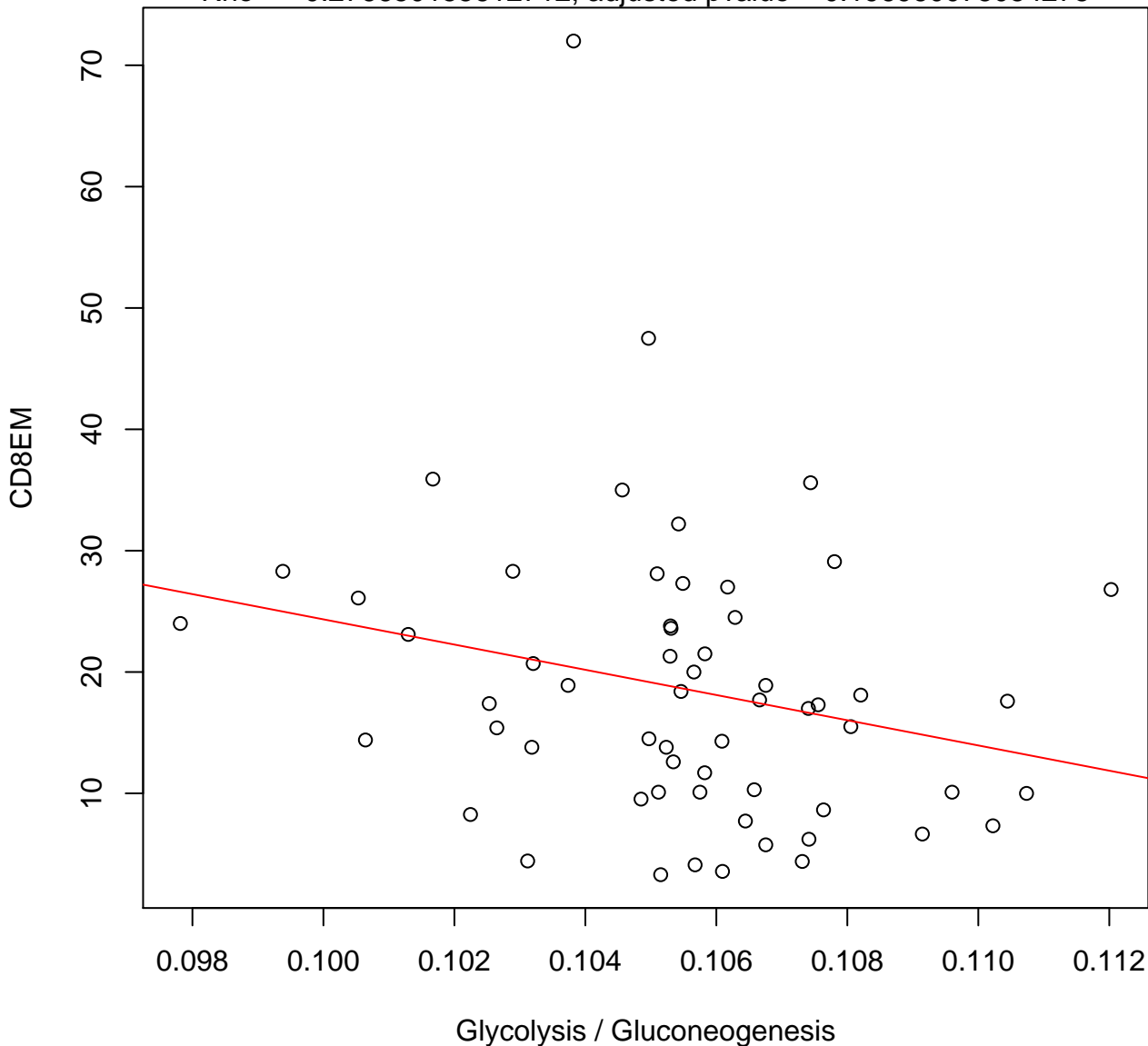
Time 1, CD8EM ~ Glycosyltransferases

Rho = 0.246284688500774, adjusted pvalue = 0.196960075054275



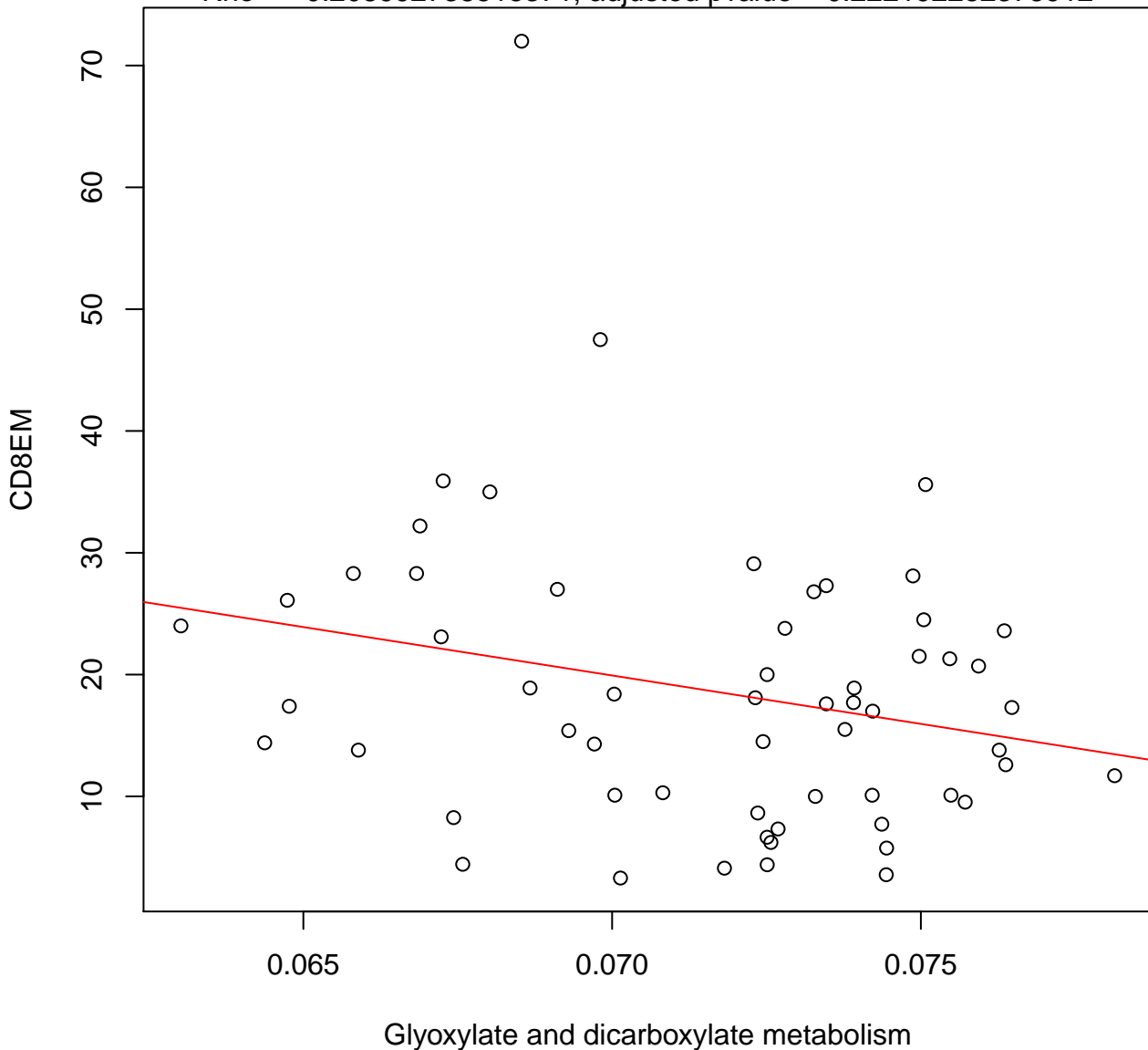
Time 1, CD8EM ~ Glycolysis / Gluconeogenesis

Rho = -0.276650155612712 , adjusted pvalue = 0.196960075054275



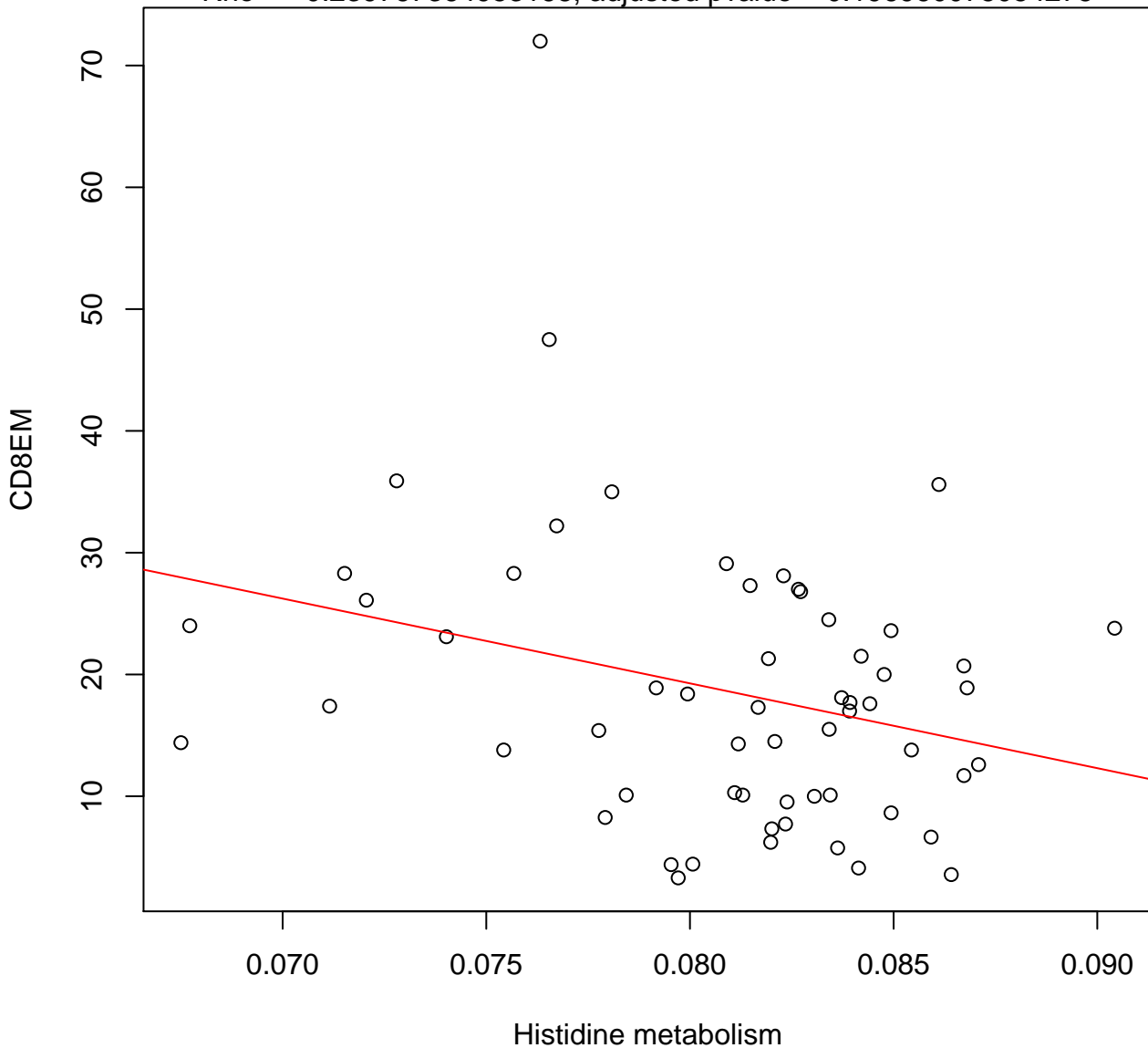
Time 1, CD8EM ~ Glyoxylate and dicarboxylate metabolism

Rho = -0.208992738515371 , adjusted pvalue = 0.222192252375912



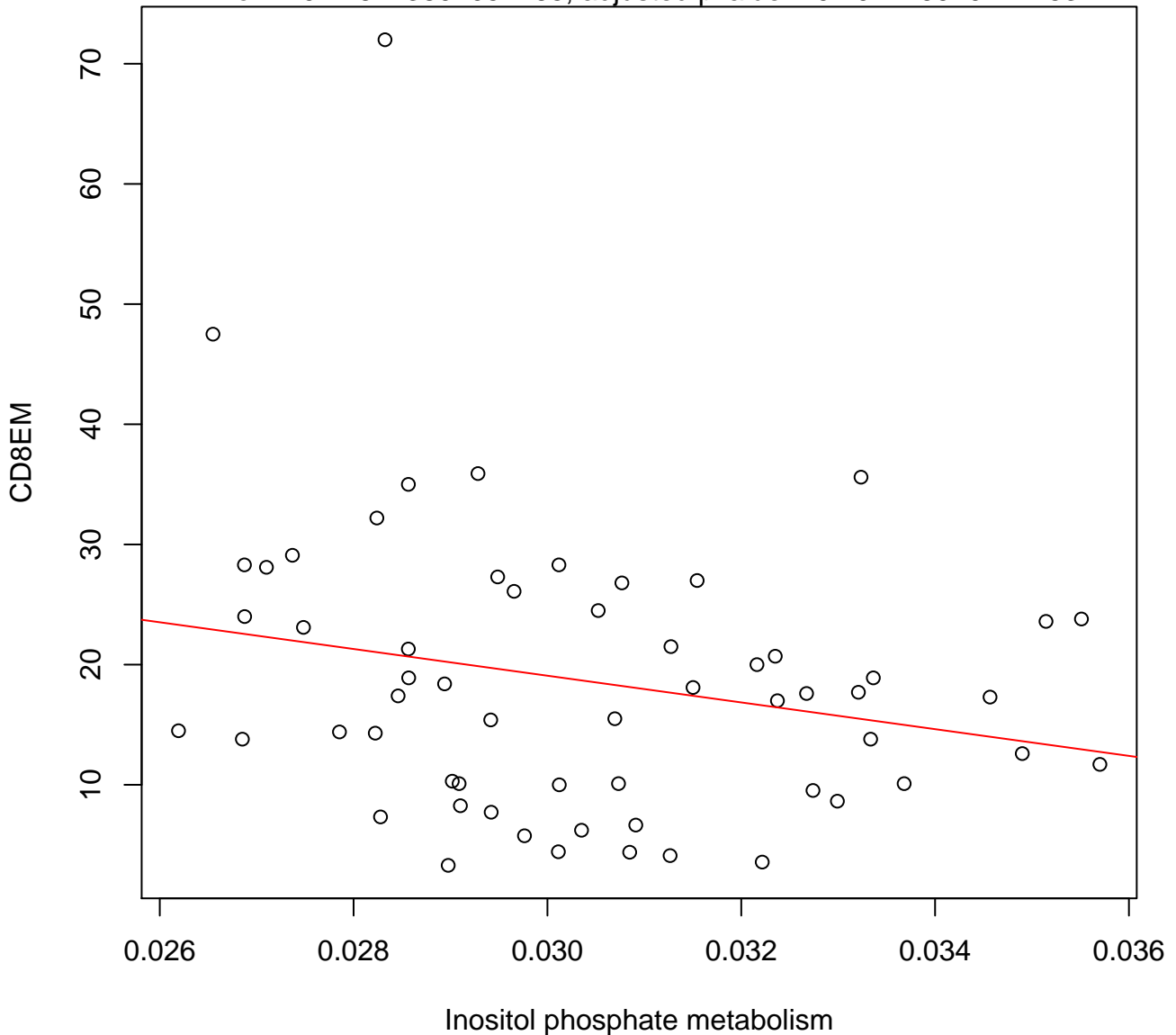
Time 1, CD8EM ~ Histidine metabolism

Rho = -0.239767364953168 , adjusted pvalue = 0.196960075054275



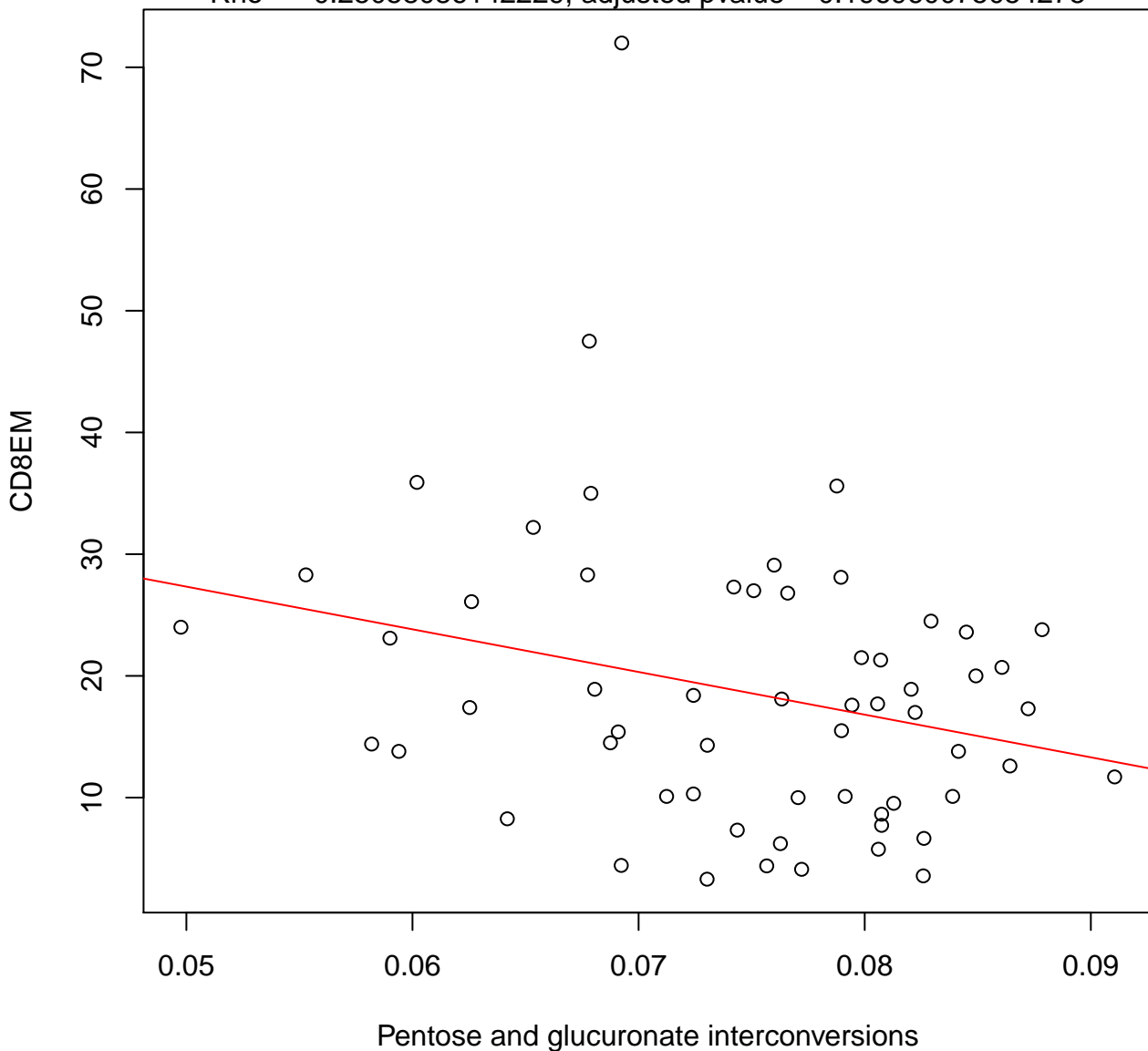
Time 1, CD8EM ~ Inositol phosphate metabolism

Rho = -0.216123801051765 , adjusted pvalue = 0.207749920744253



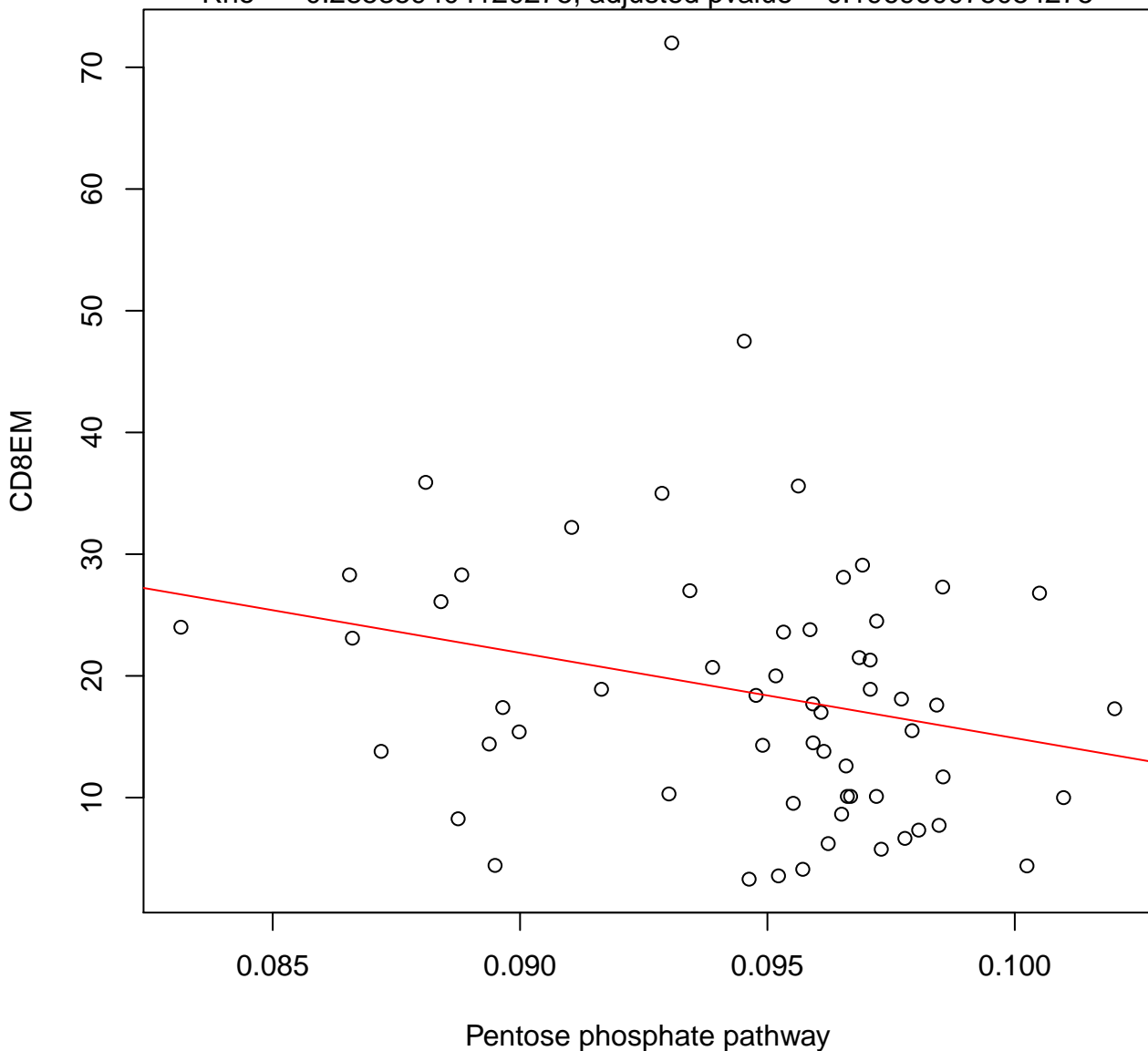
Time 1, CD8EM ~ Pentose and glucuronate interconversions

Rho = -0.25058086142229 , adjusted pvalue = 0.196960075054275



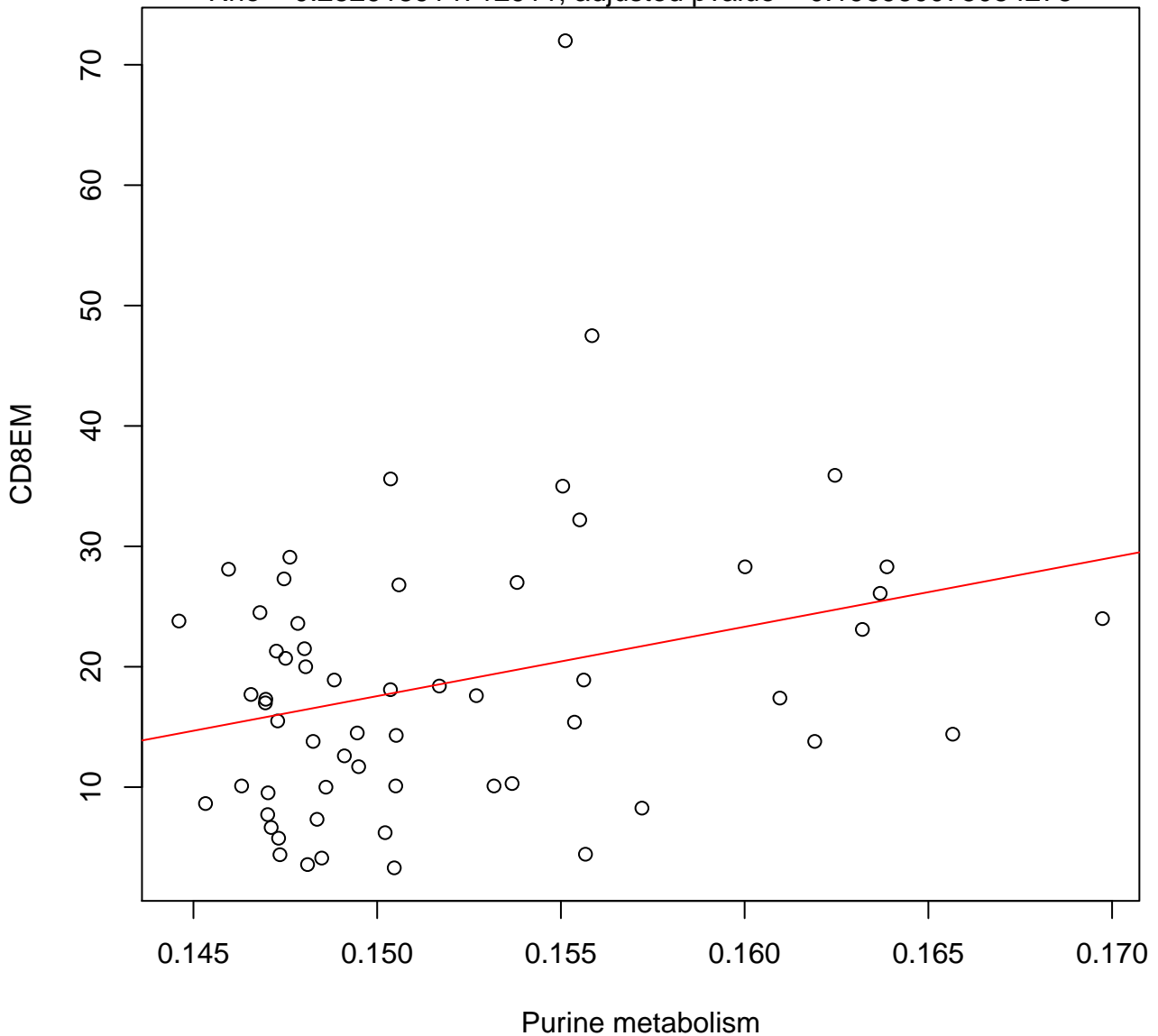
Time 1, CD8EM ~ Pentose phosphate pathway

Rho = -0.285359404120275 , adjusted pvalue = 0.196960075054275



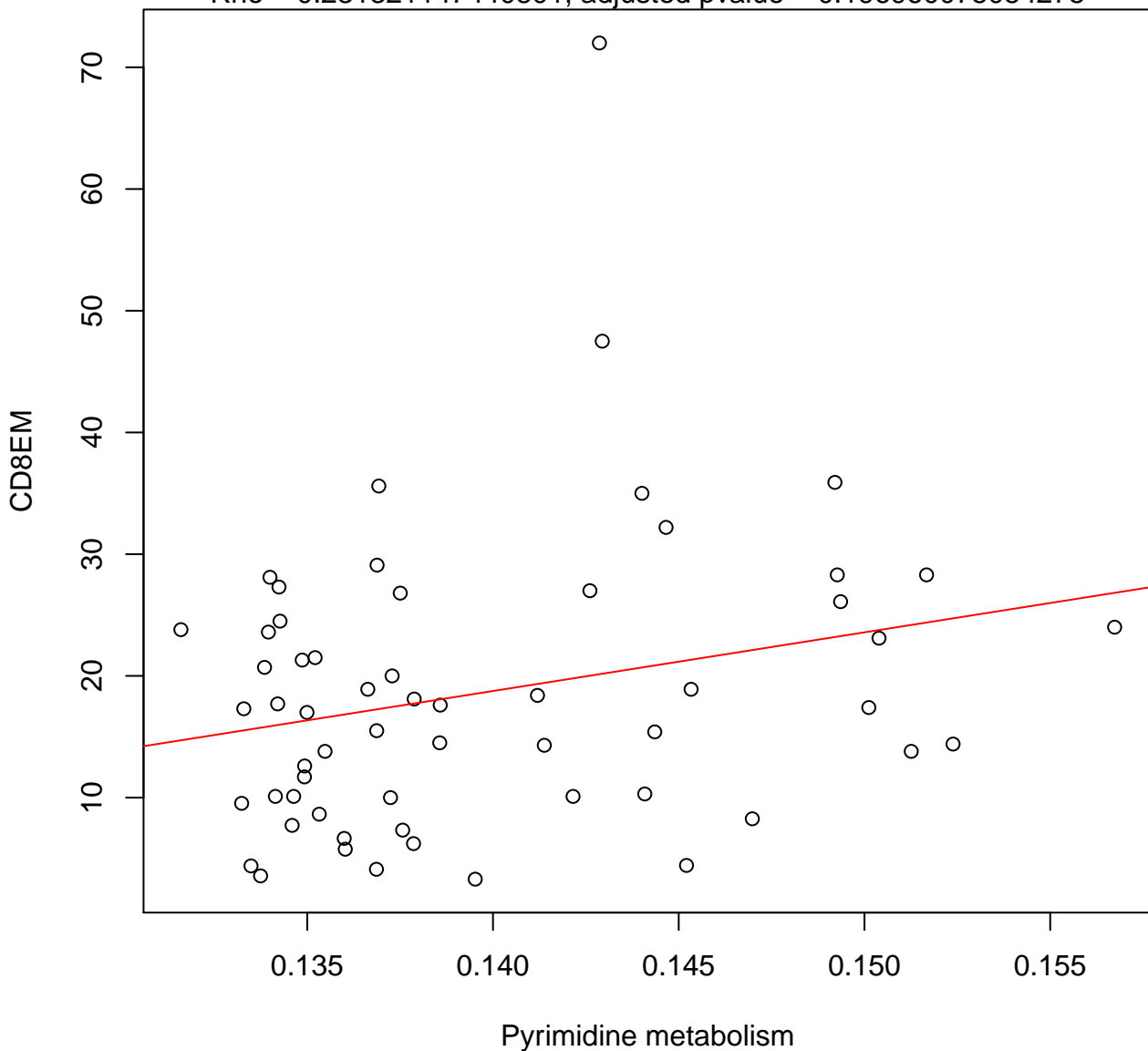
Time 1, CD8EM ~ Purine metabolism

Rho = 0.252918914712911, adjusted pvalue = 0.196960075054275



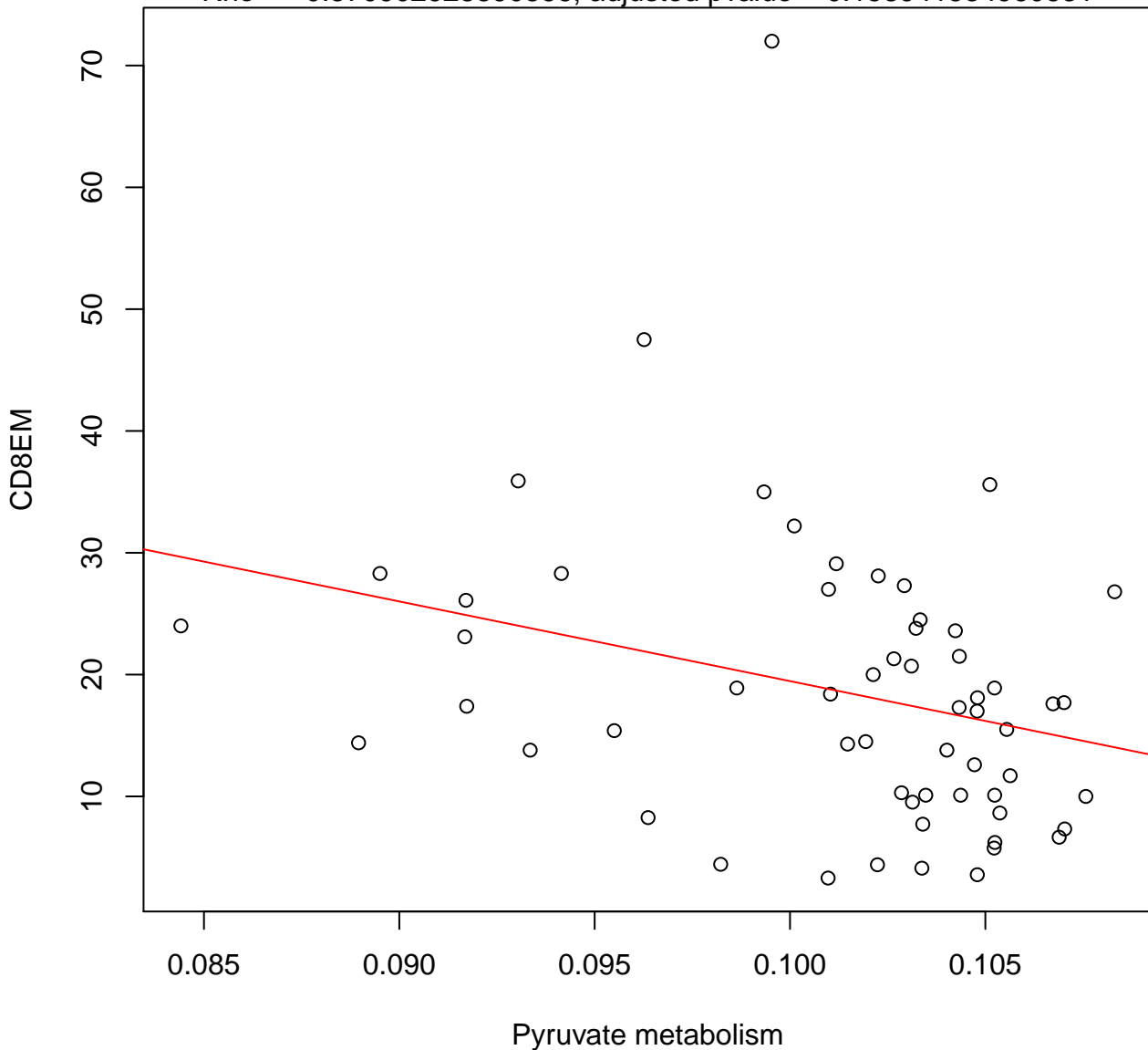
Time 1, CD8EM ~ Pyrimidine metabolism

Rho = 0.231321147440801, adjusted pvalue = 0.196960075054275



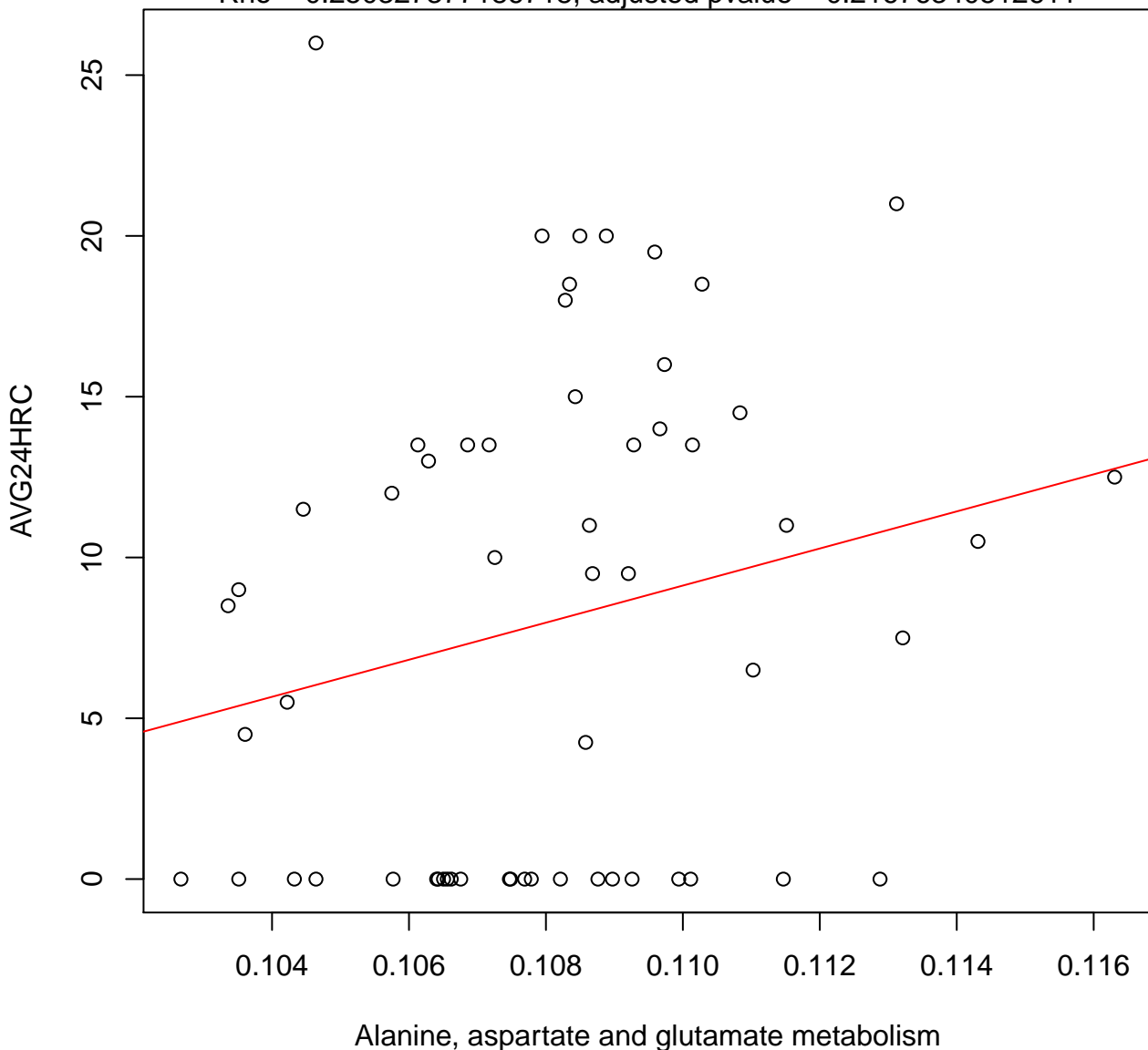
Time 1, CD8EM ~ Pyruvate metabolism

Rho = -0.370902928890866 , adjusted pvalue = 0.158941534960631



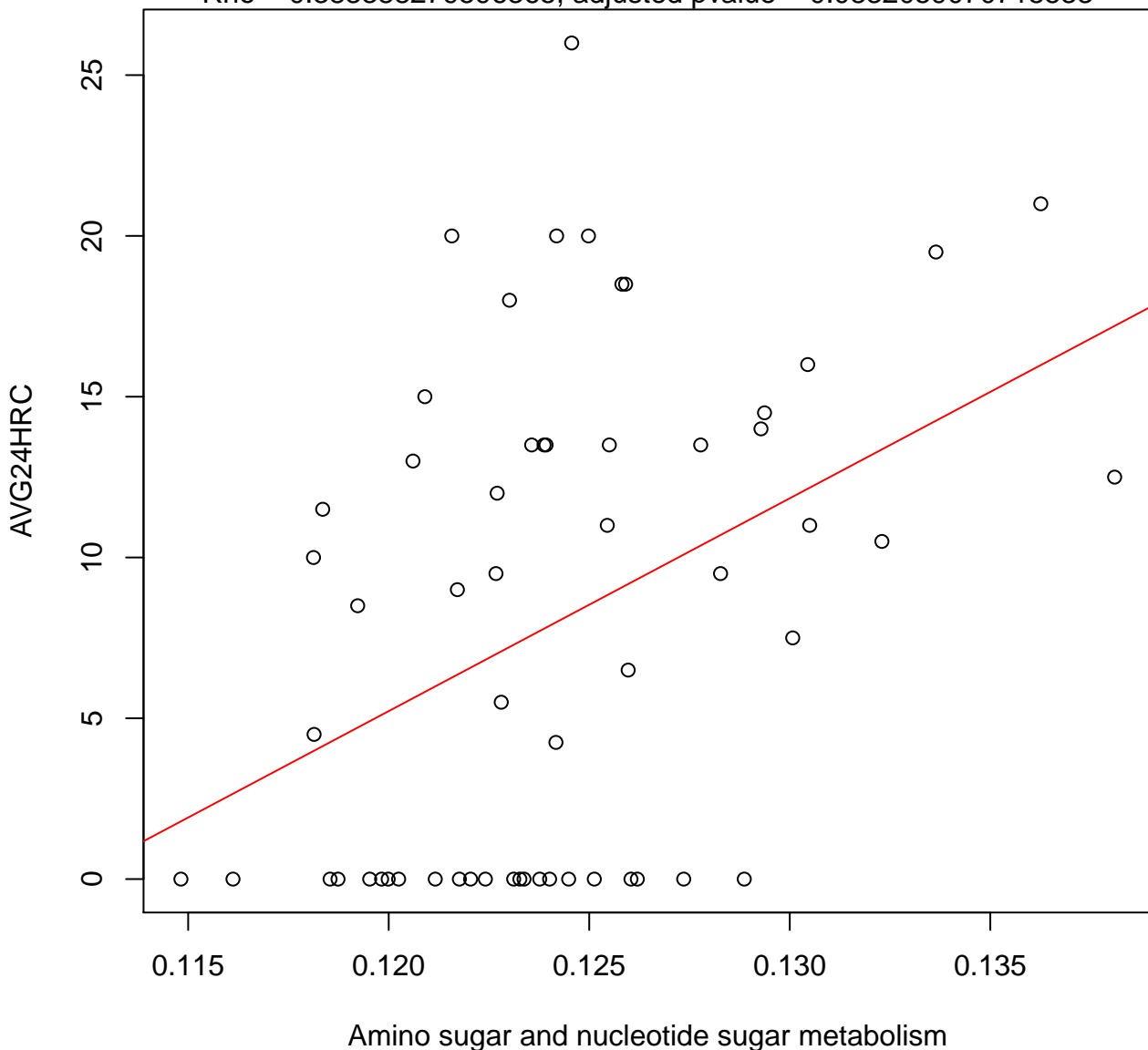
Time 1, AVG24HRC ~ Alanine, aspartate and glutamate metabolism

Rho = 0.250327377186718, adjusted pvalue = 0.21676340512611



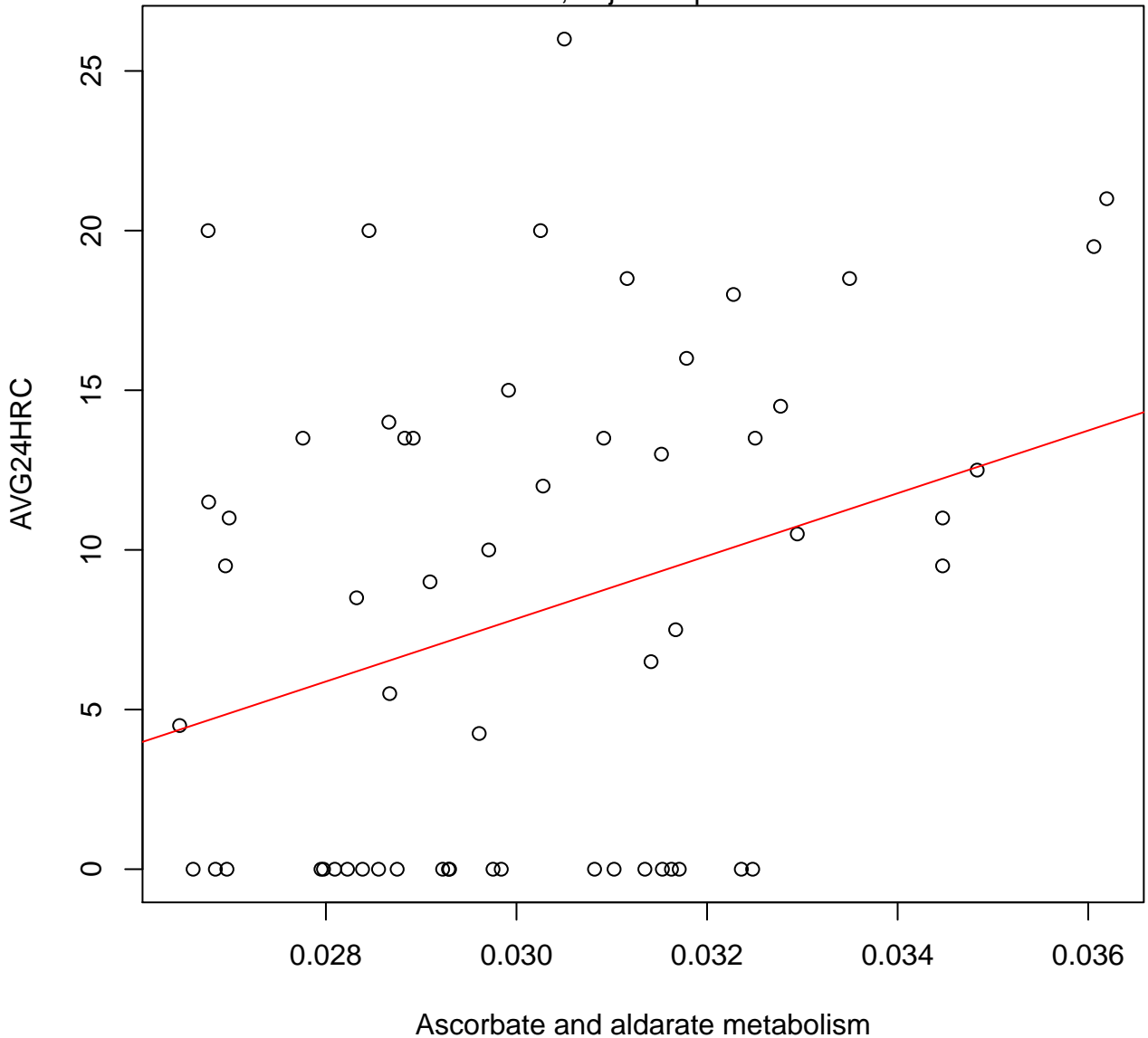
Time 1, AVG24HRC ~ Amino sugar and nucleotide sugar metabolism

Rho = 0.383388279596365, adjusted pvalue = 0.0832059070715533



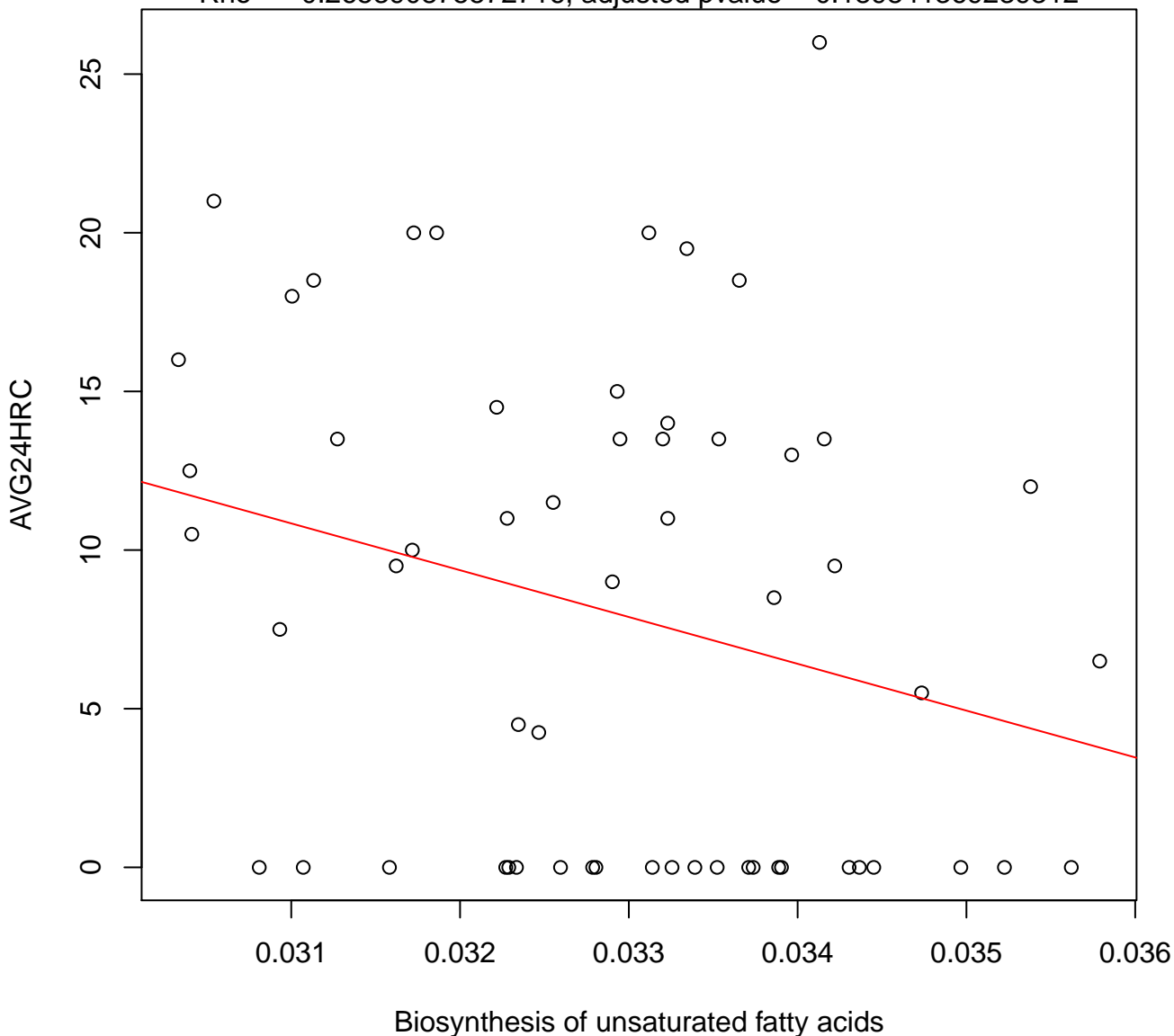
Time 1, AVG24HRC ~ Ascorbate and aldarate metabolism

Rho = 0.266344261546513, adjusted pvalue = 0.189841369239312



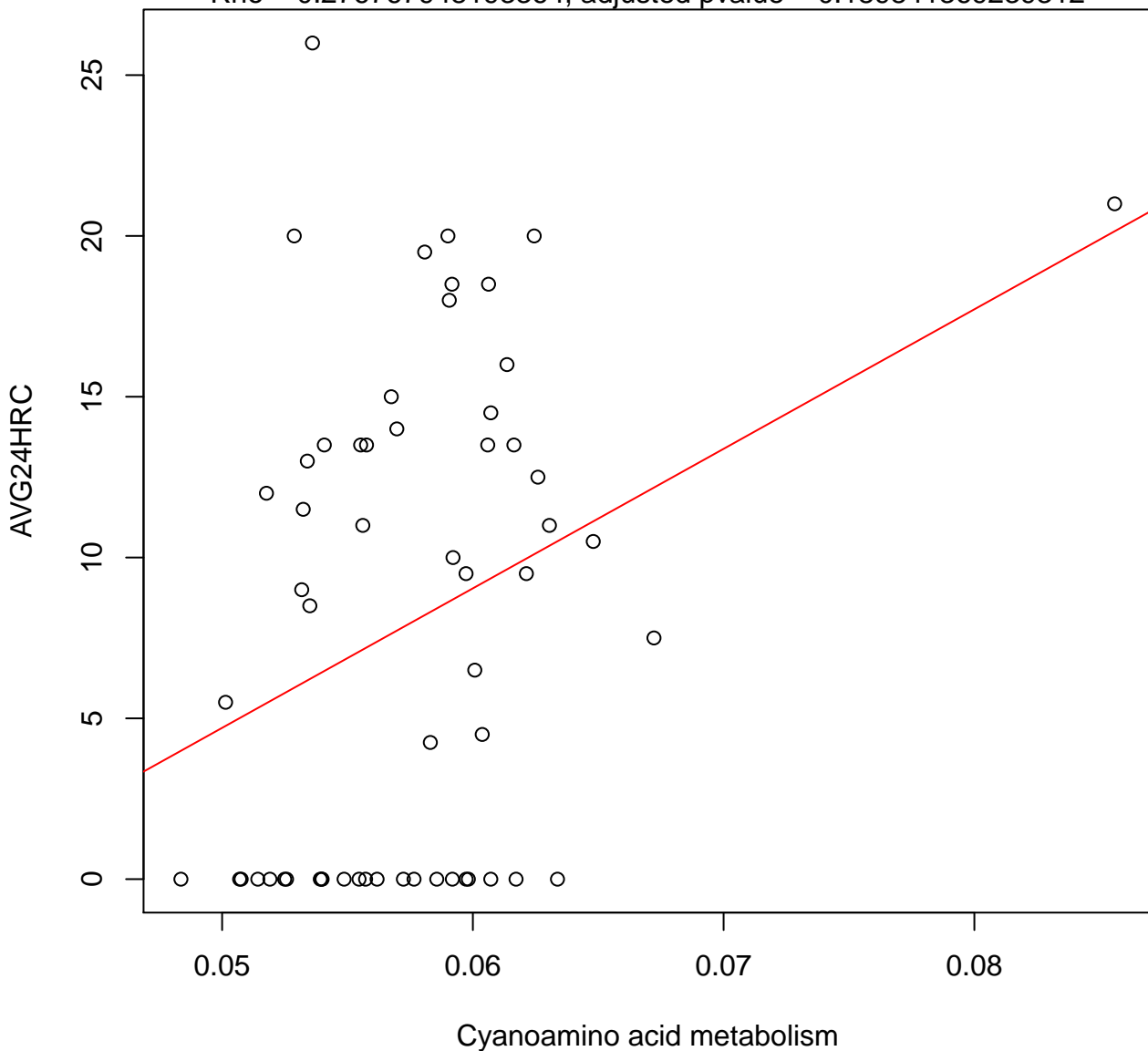
Time 1, AVG24HRC ~ Biosynthesis of unsaturated fatty acids

Rho = -0.265390875572716 , adjusted pvalue = 0.189841369239312



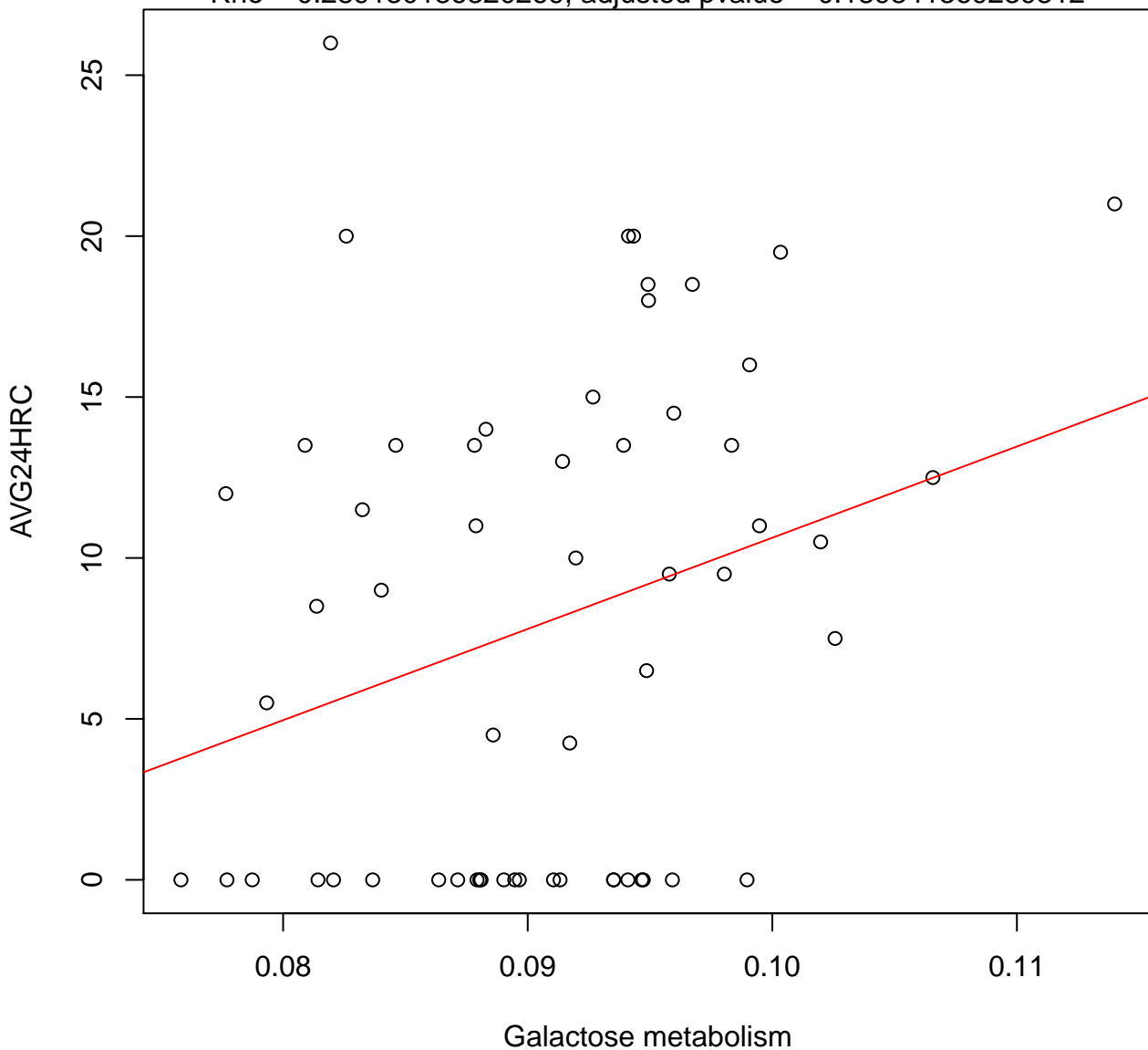
Time 1, AVG24HRC ~ Cyanoamino acid metabolism

Rho = 0.276767948193364, adjusted pvalue = 0.189841369239312



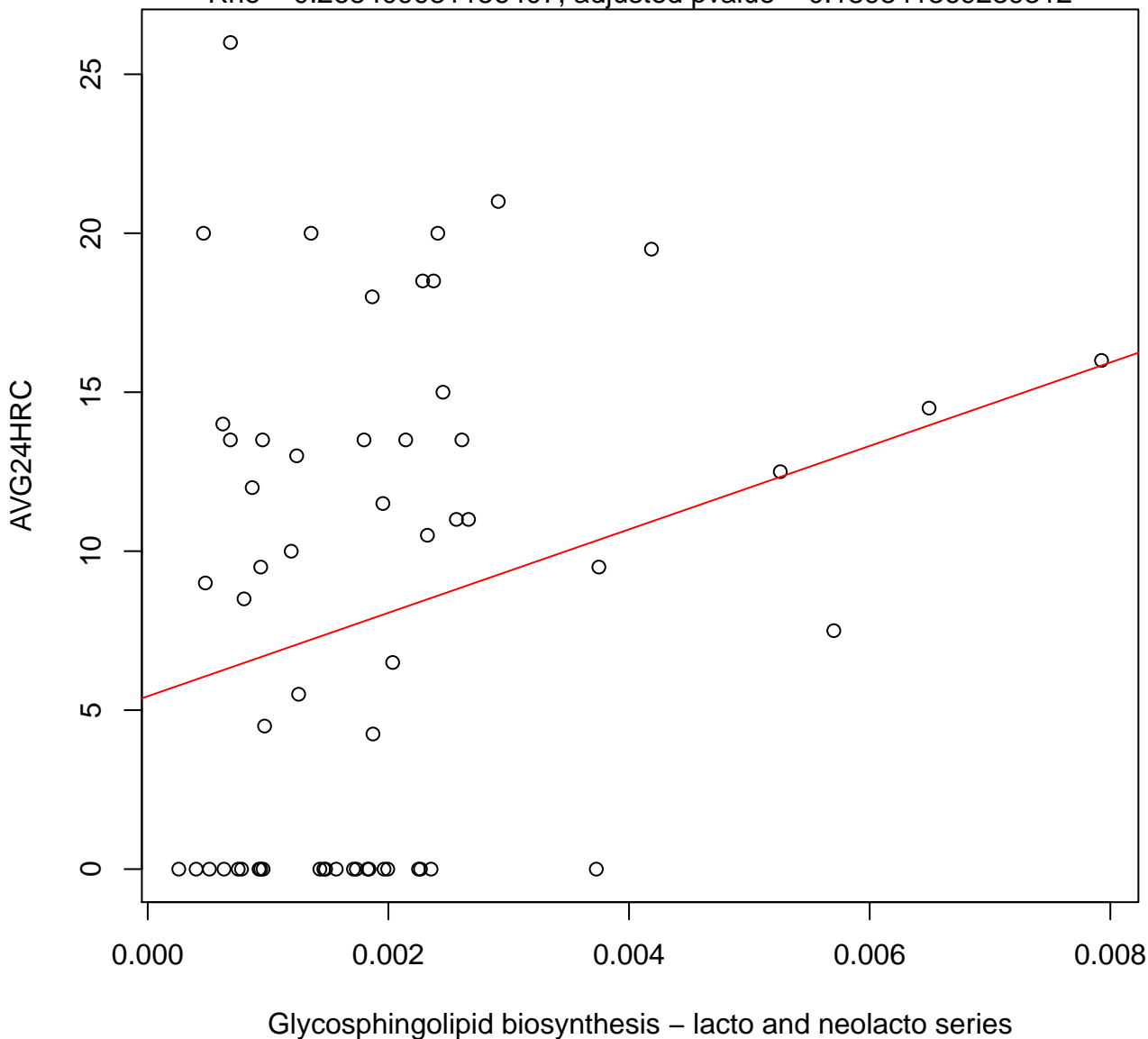
Time 1, AVG24HRC ~ Galactose metabolism

Rho = 0.289130186320269, adjusted pvalue = 0.189841369239312



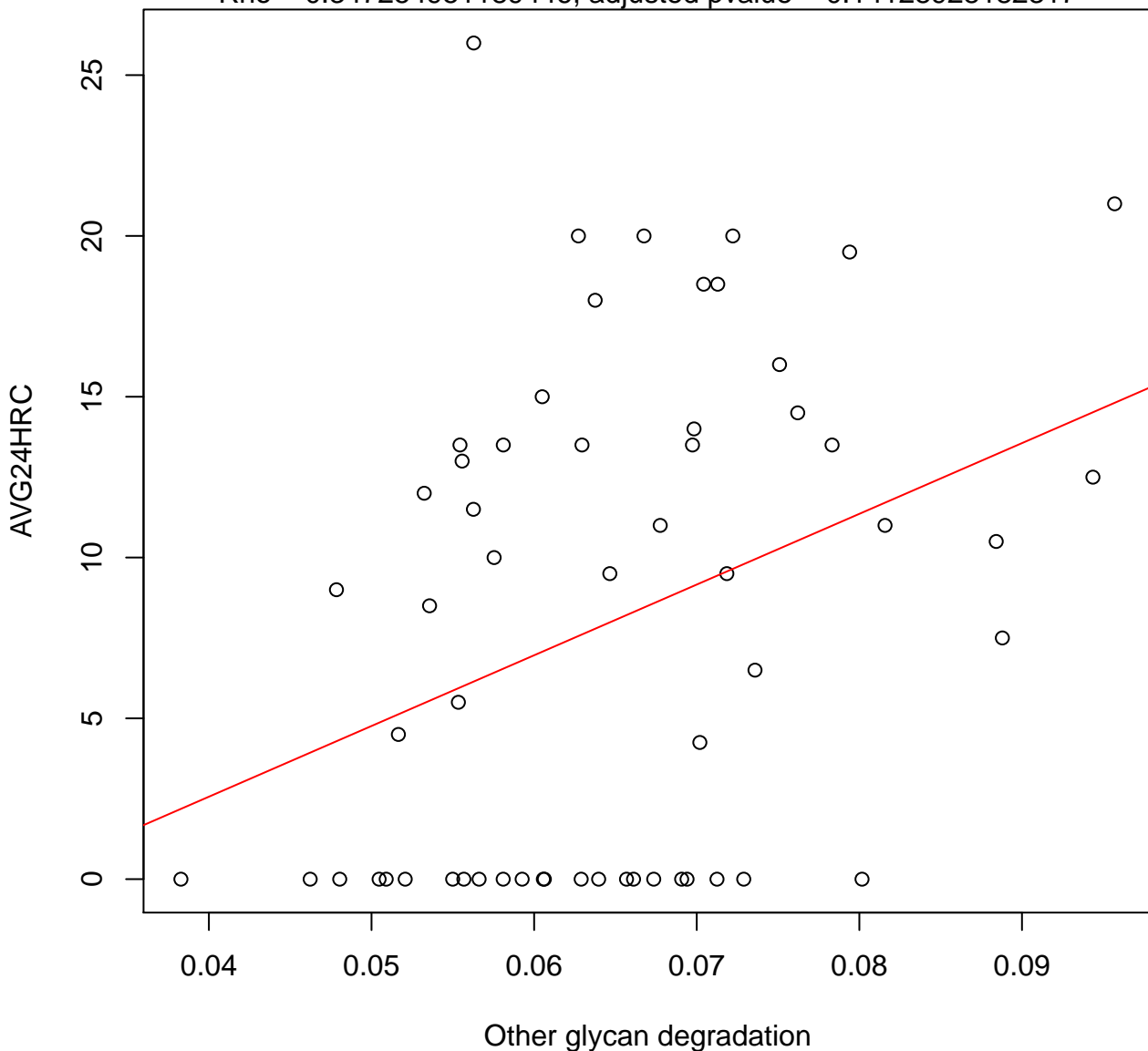
Time 1, AVG24HRC ~ Glycosphingolipid biosynthesis – lacto and neolacto series

Rho = 0.268409931156407, adjusted pvalue = 0.189841369239312



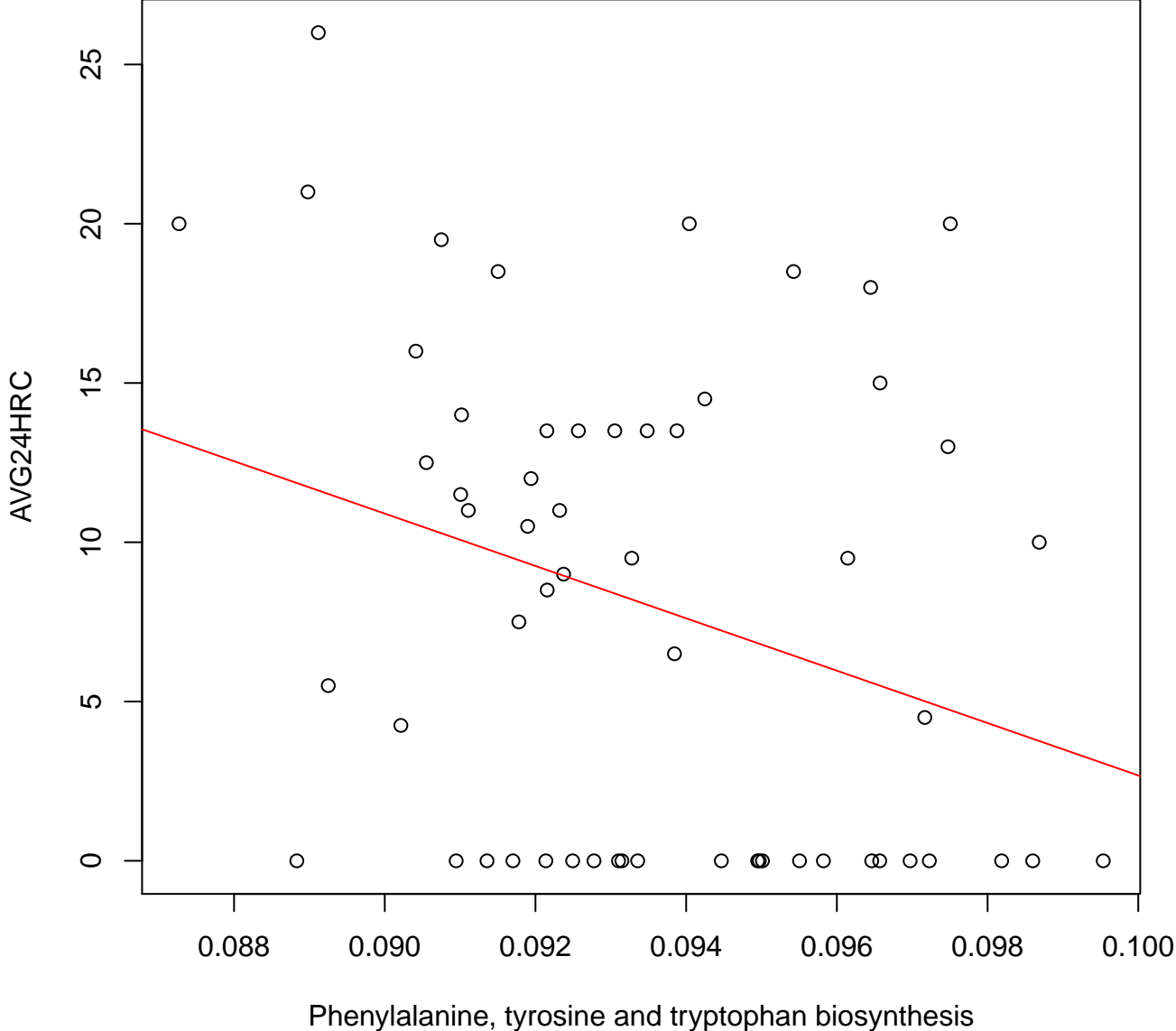
Time 1, AVG24HRC ~ Other glycan degradation

Rho = 0.347254951189446, adjusted pvalue = 0.14128928182317



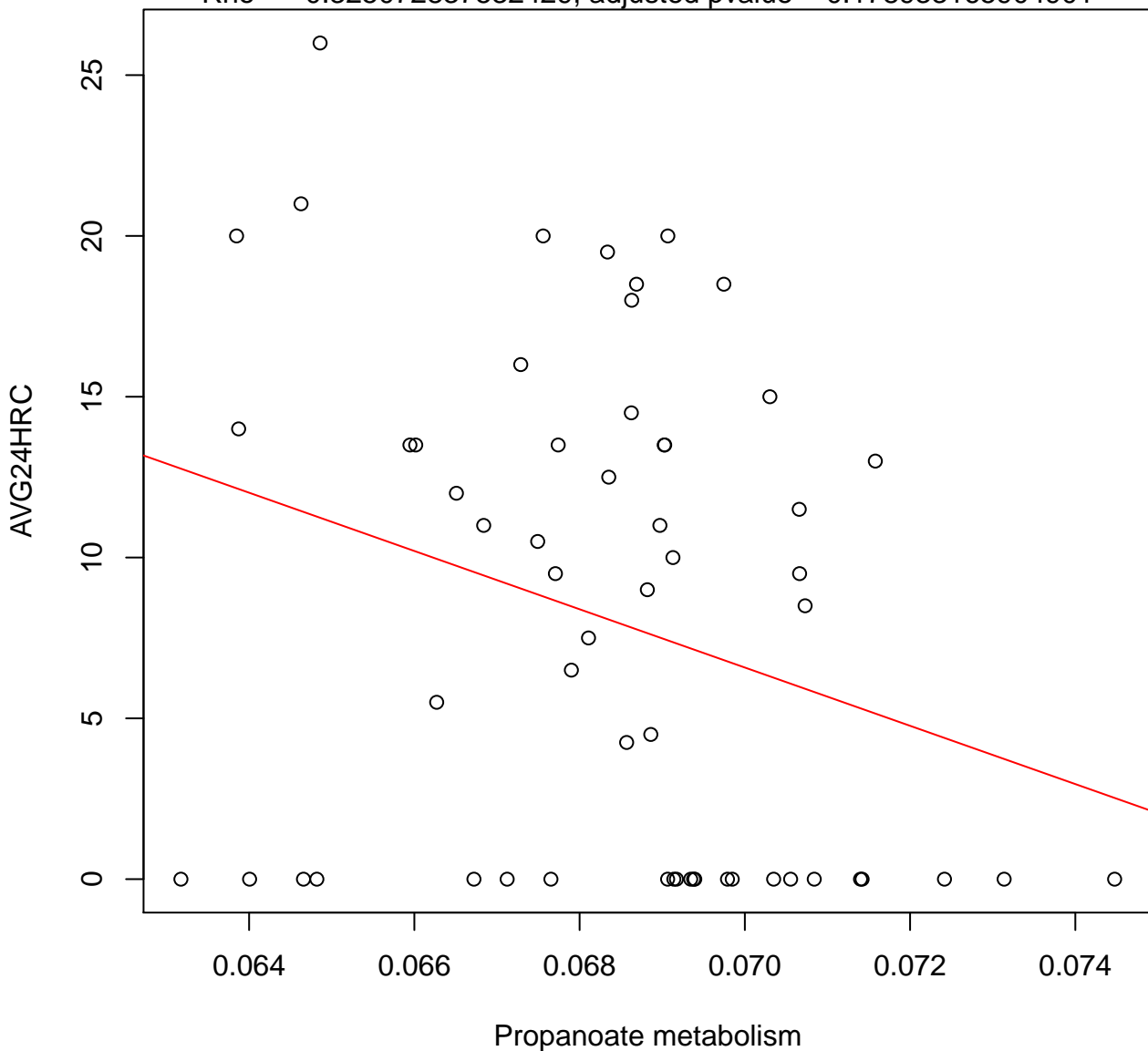
Time 1, AVG24HRC ~ Phenylalanine, tyrosine and tryptophan biosynthesis

Rho = -0.279659885647216, adjusted pvalue = 0.189841369239312



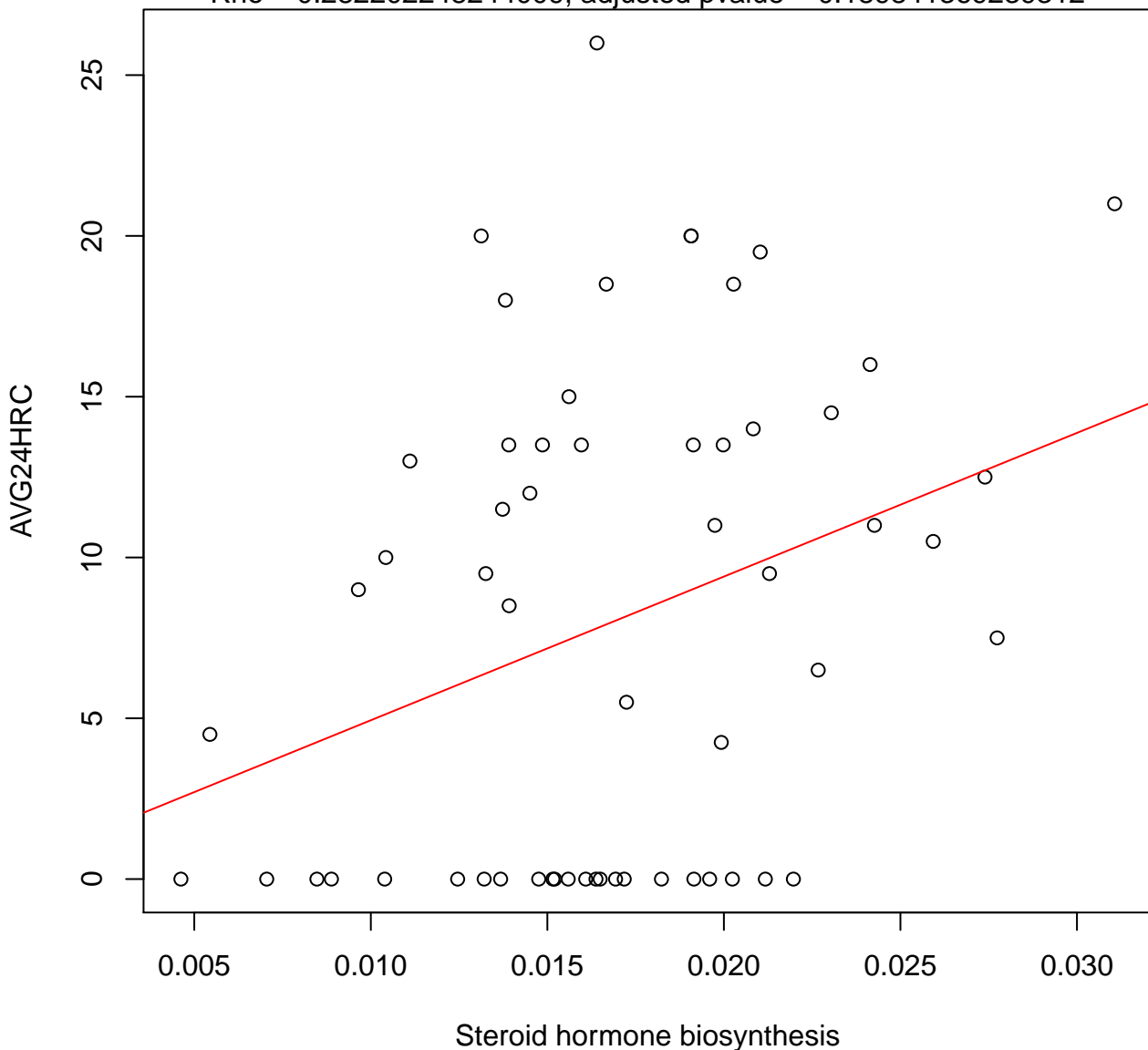
Time 1, AVG24HRC ~ Propanoate metabolism

Rho = -0.325072837532429 , adjusted pvalue = 0.178933165904901



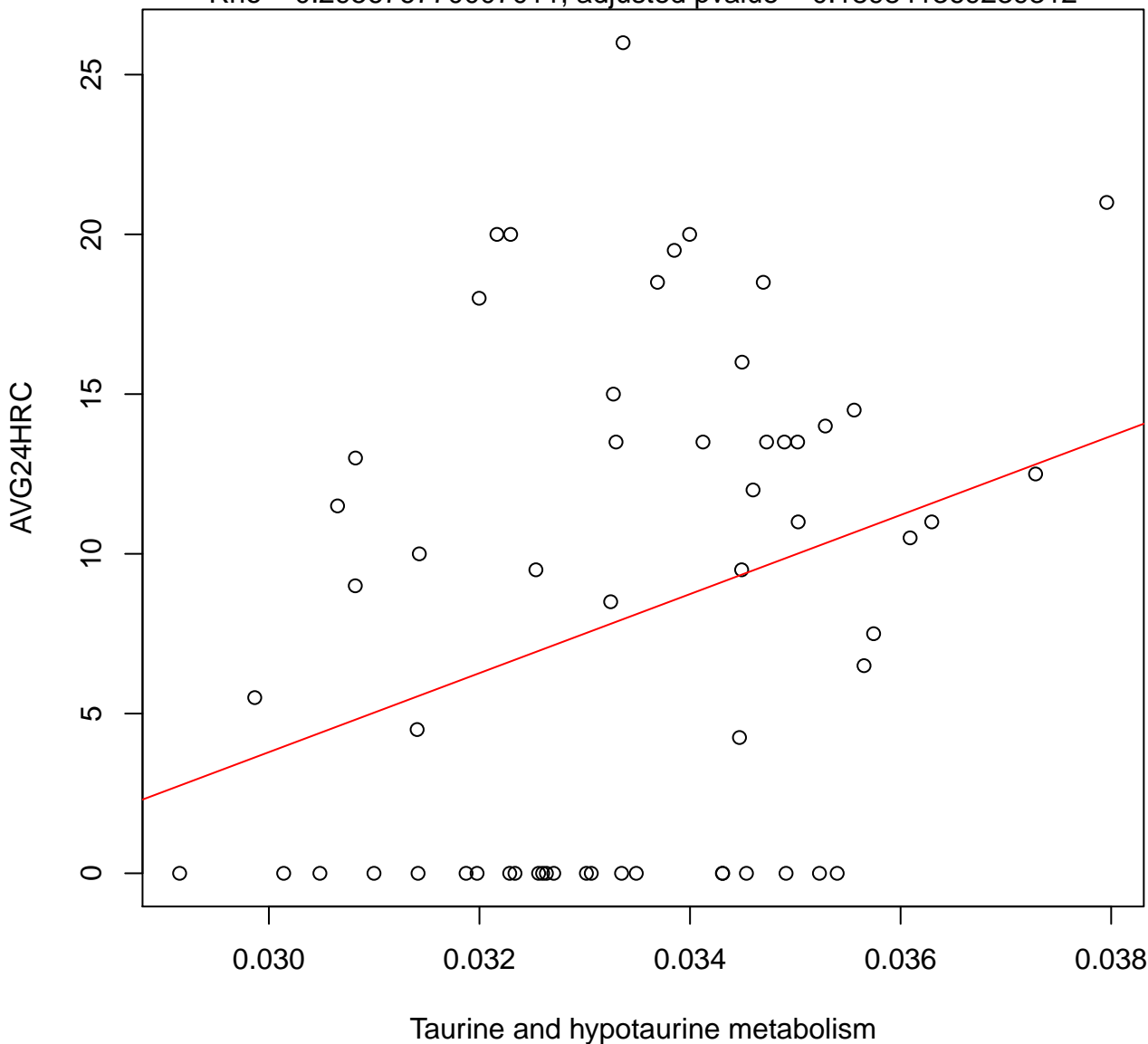
Time 1, AVG24HRC ~ Steroid hormone biosynthesis

Rho = 0.282202248244009, adjusted pvalue = 0.189841369239312



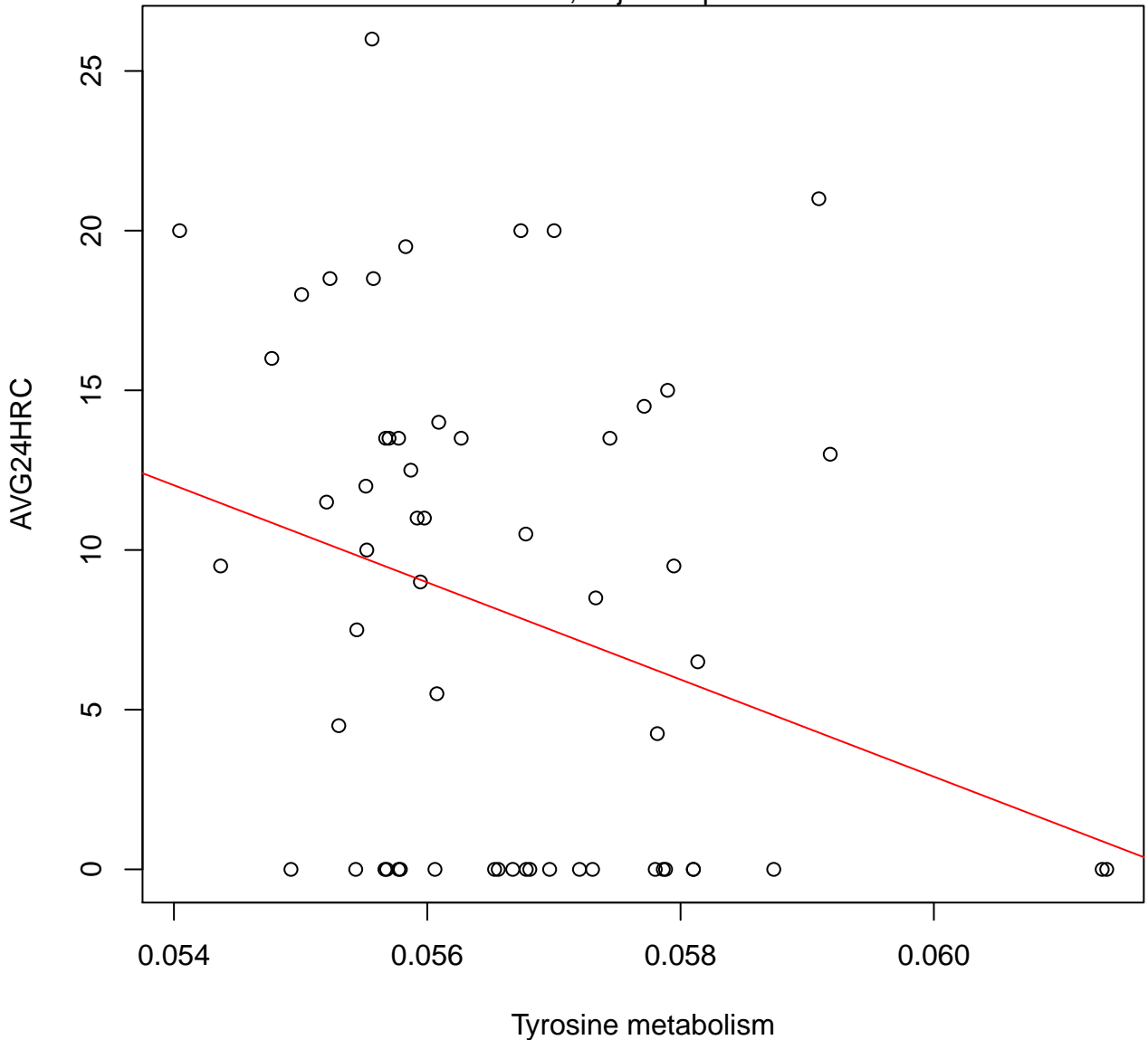
Time 1, AVG24HRC ~ Taurine and hypotaurine metabolism

Rho = 0.295676770007011, adjusted pvalue = 0.189841369239312



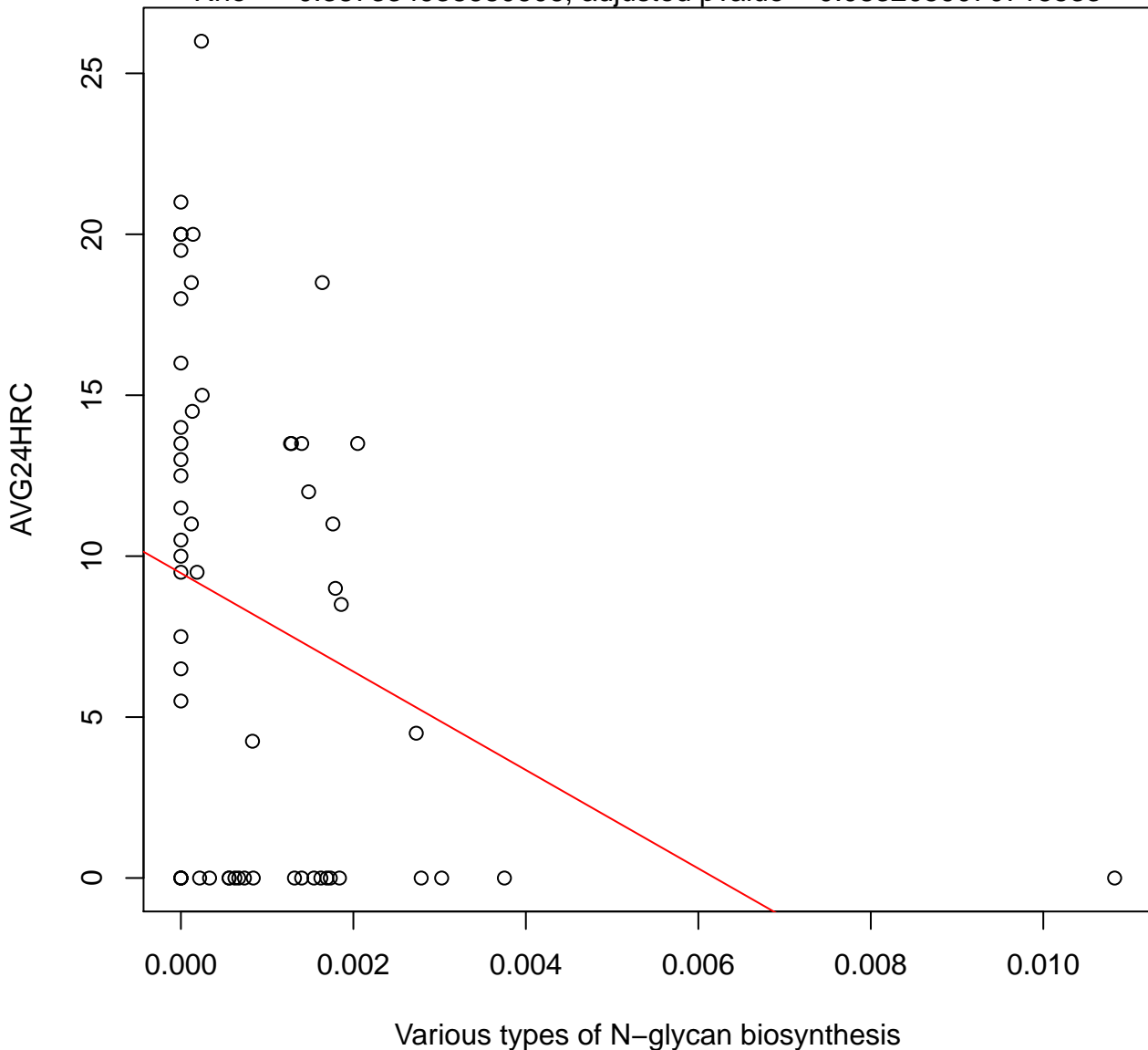
Time 1, AVG24HRC ~ Tyrosine metabolism

Rho = -0.283219193282726 , adjusted pvalue = 0.189841369239312



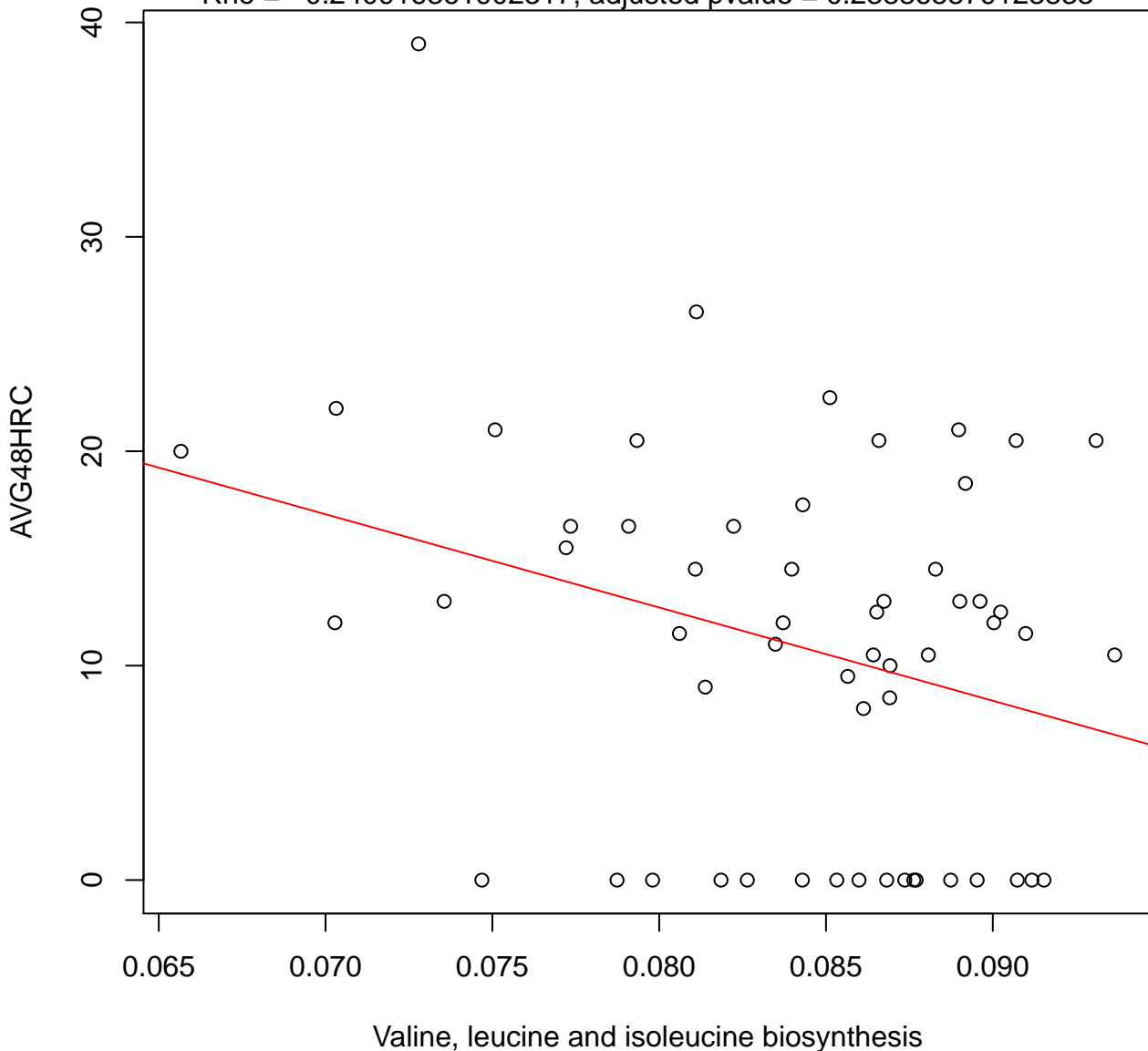
Time 1, AVG24HRC ~ Various types of N-glycan biosynthesis

Rho = -0.387334938680606, adjusted pvalue = 0.0832059070715533



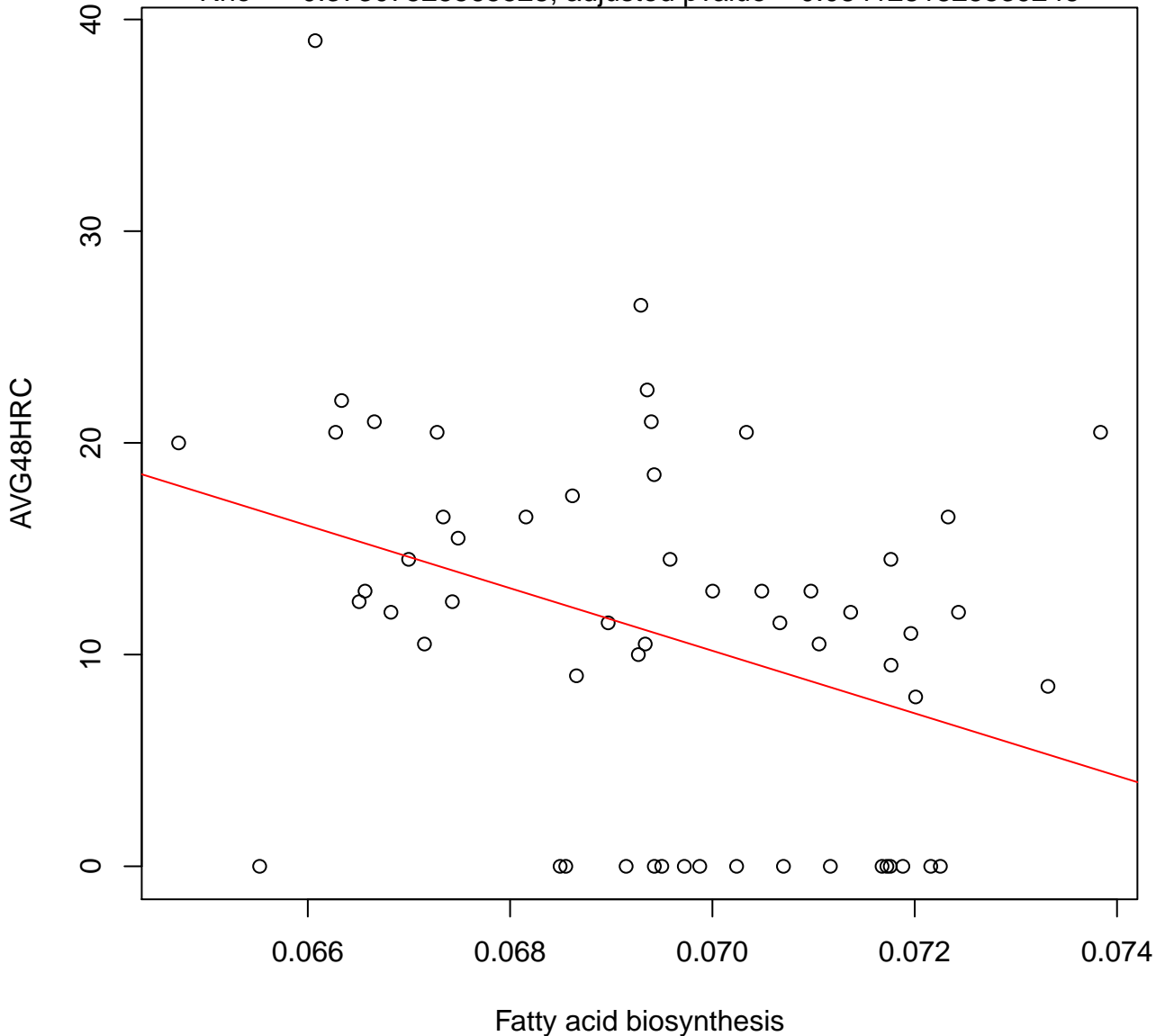
Time 1, AVG48HRC ~ Valine, leucine and isoleucine biosynthesis

Rho = -0.240916361902317 , adjusted pvalue = 0.238865379123833



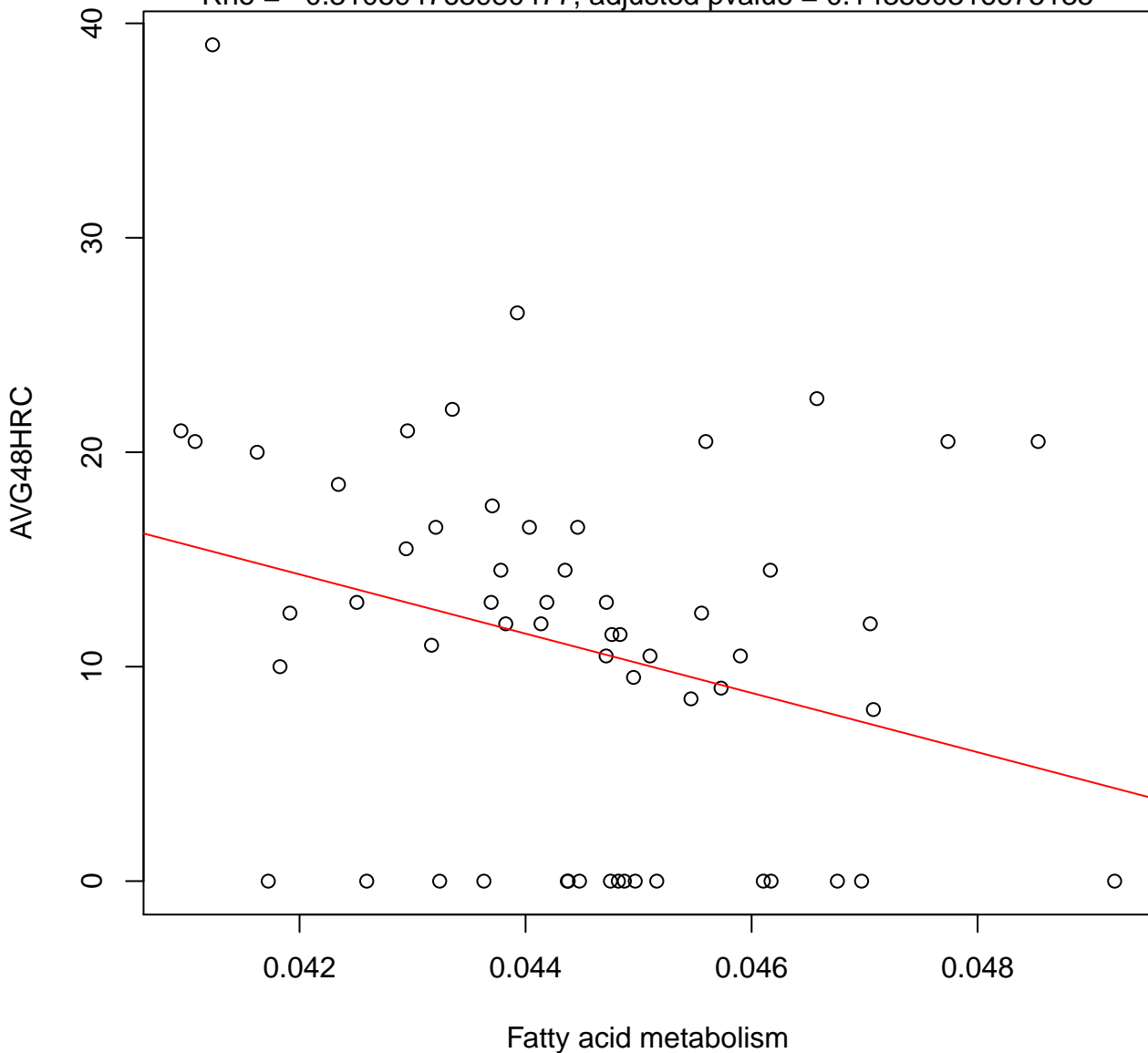
Time 1, AVG48HRC ~ Fatty acid biosynthesis

Rho = -0.37307525565528 , adjusted pvalue = 0.0841281825539246



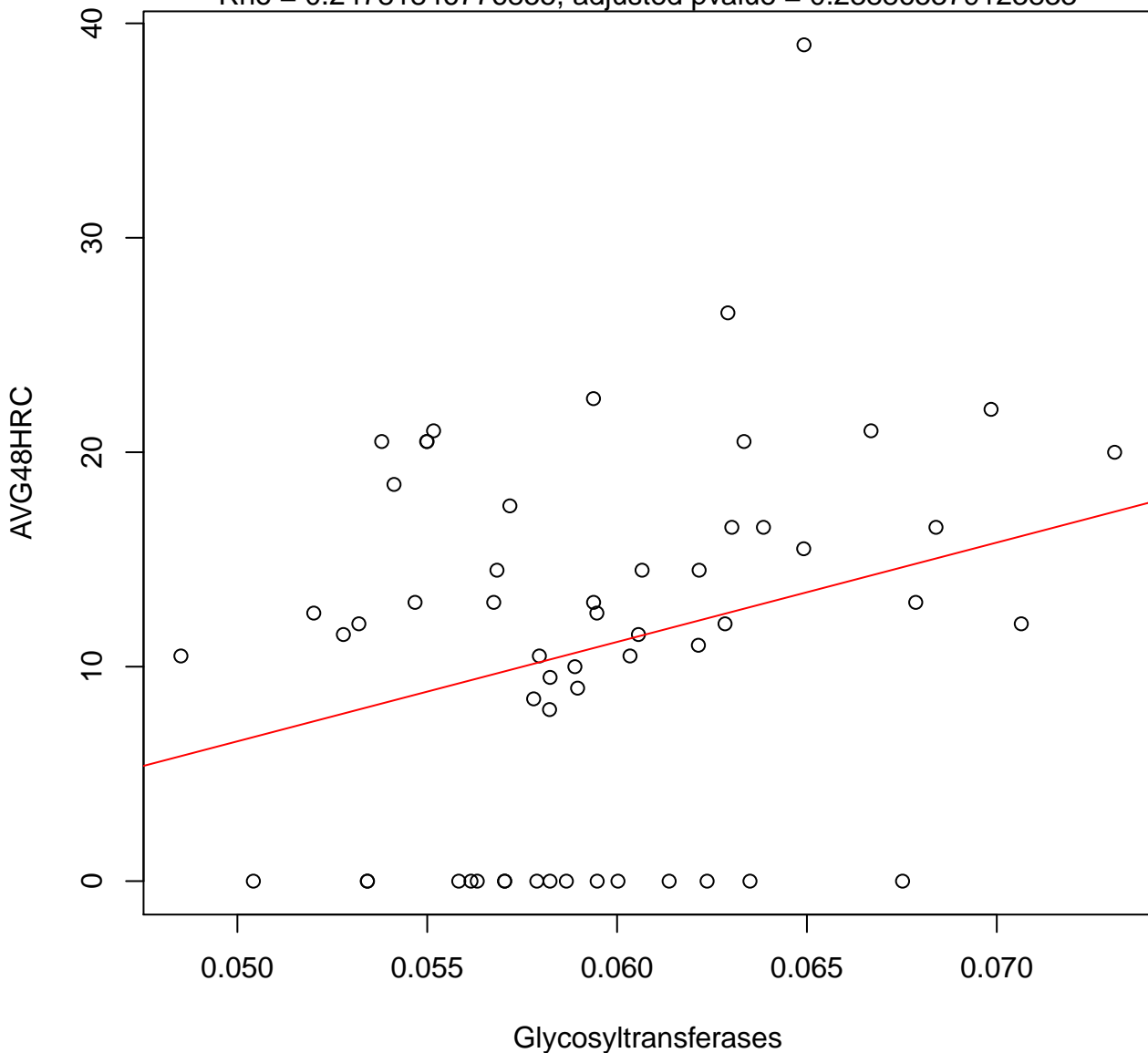
Time 1, AVG48HRC ~ Fatty acid metabolism

Rho = -0.310594763980477 , adjusted pvalue = 0.143550316675135



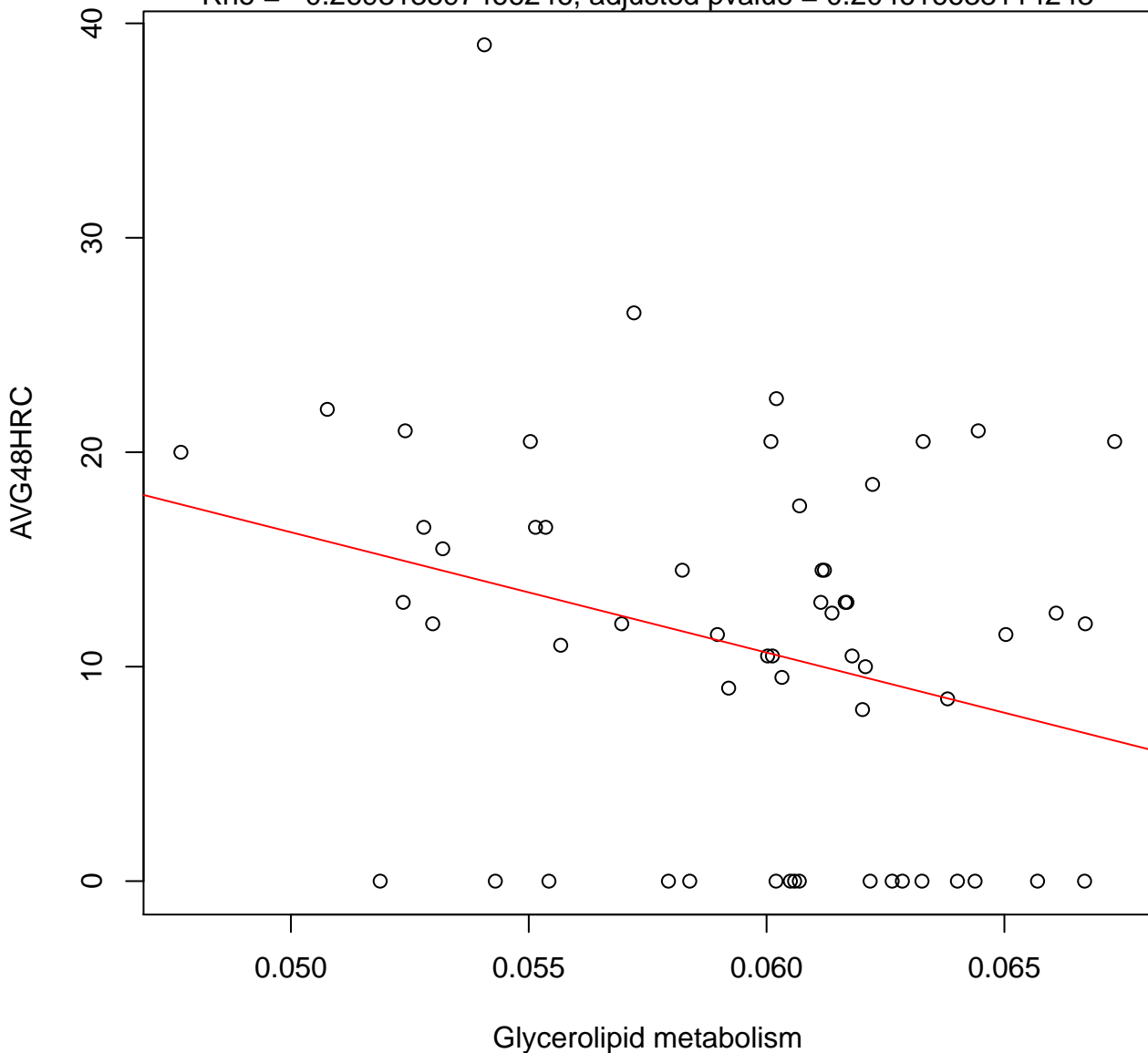
Time 1, AVG48HRC ~ Glycosyltransferases

Rho = 0.24781846776855, adjusted pvalue = 0.238865379123833



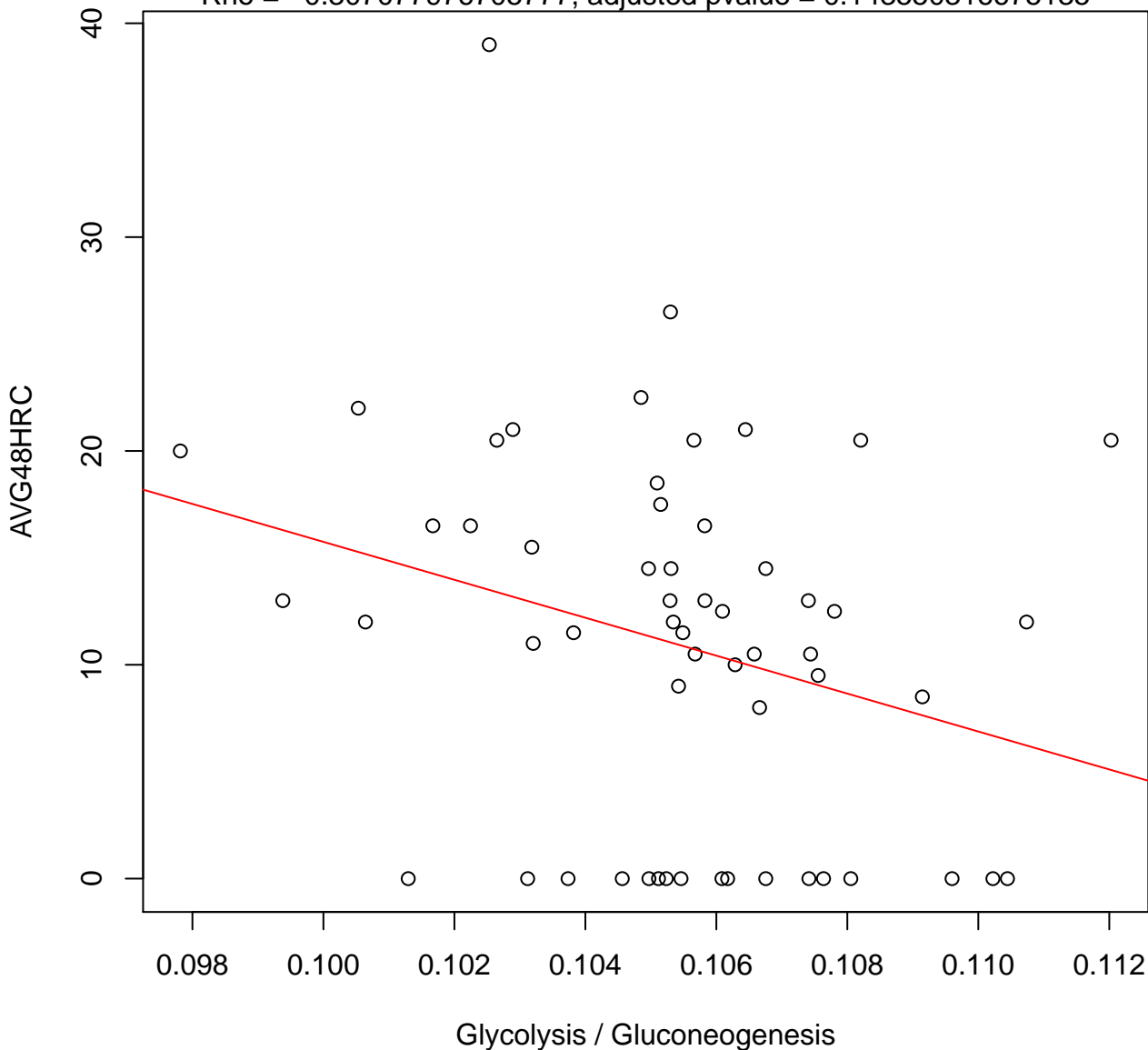
Time 1, AVG48HRC ~ Glycerolipid metabolism

Rho = -0.269313597466246 , adjusted pvalue = 0.204616638114243



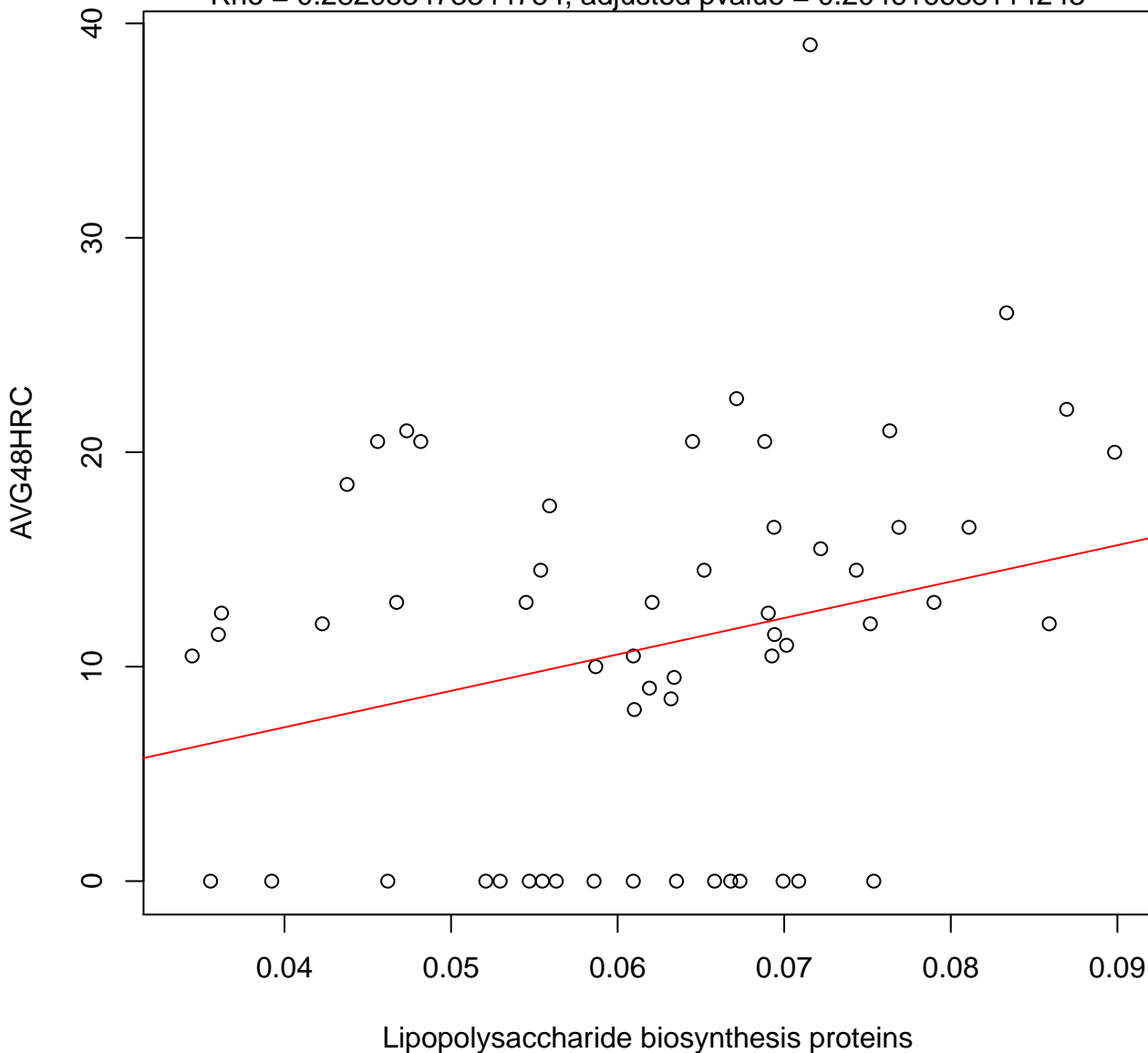
Time 1, AVG48HRC ~ Glycolysis / Gluconeogenesis

Rho = -0.307077976705777 , adjusted pvalue = 0.143550316675135



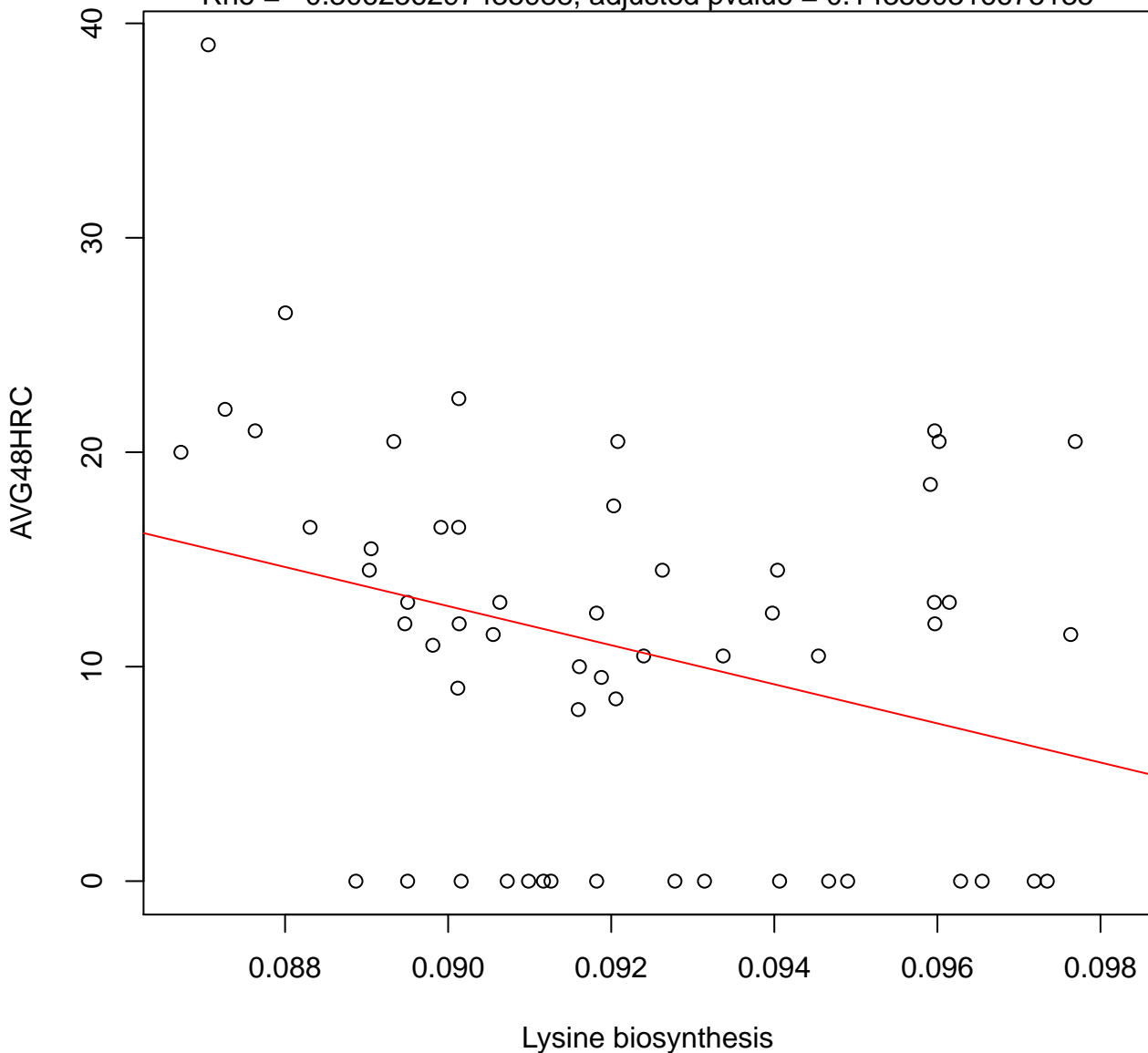
Time 1, AVG48HRC ~ Lipopolysaccharide biosynthesis proteins

Rho = 0.282953473344754, adjusted pvalue = 0.204616638114243



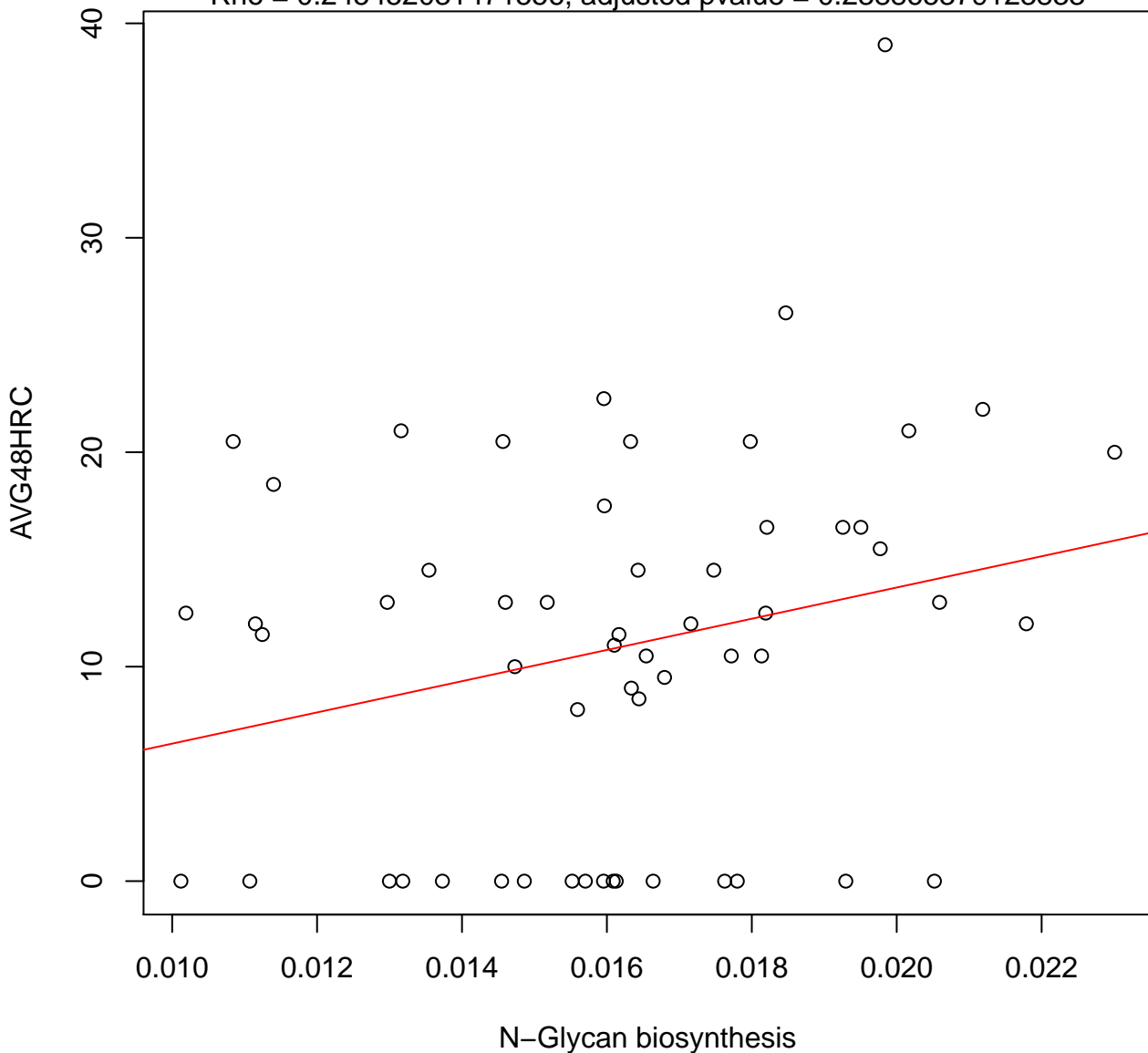
Time 1, AVG48HRC ~ Lysine biosynthesis

Rho = -0.306256297435988 , adjusted pvalue = 0.143550316675135



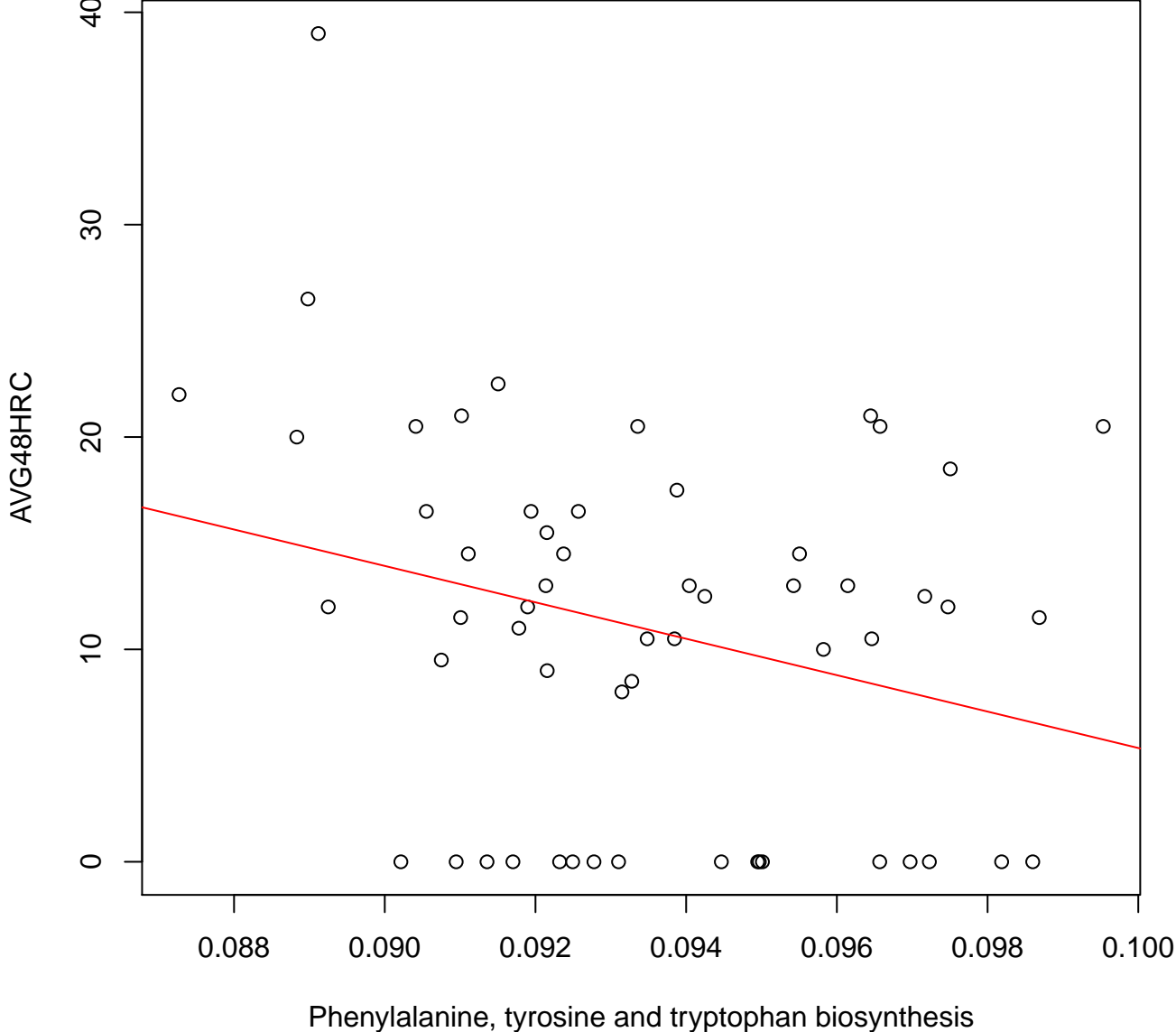
Time 1, AVG48HRC ~ N-Glycan biosynthesis

Rho = 0.245452031471556, adjusted pvalue = 0.238865379123833



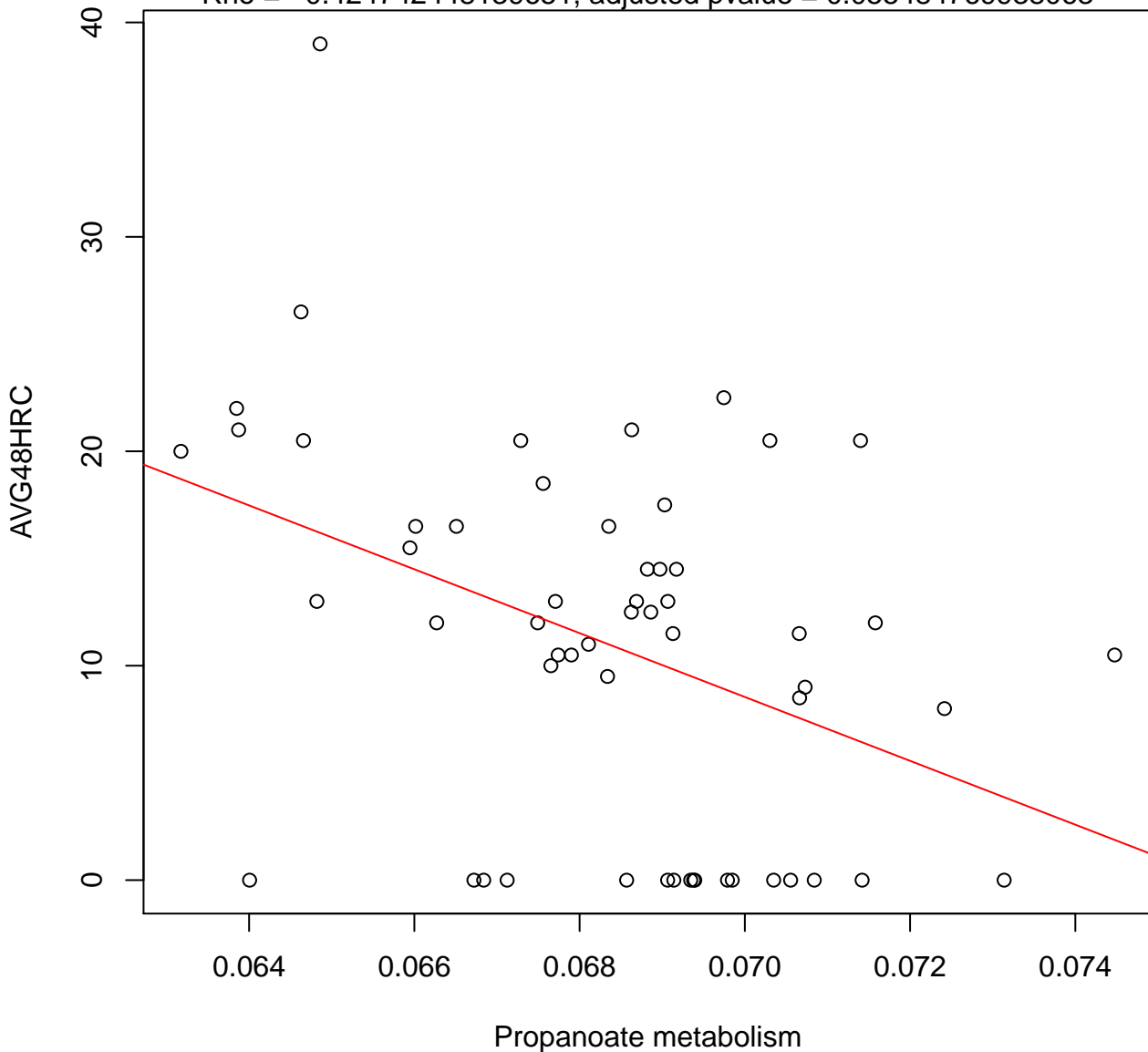
Time 1, AVG48HRC ~ Phenylalanine, tyrosine and tryptophan biosynthesis

Rho = -0.239700276583028, adjusted pvalue = 0.238865379123833



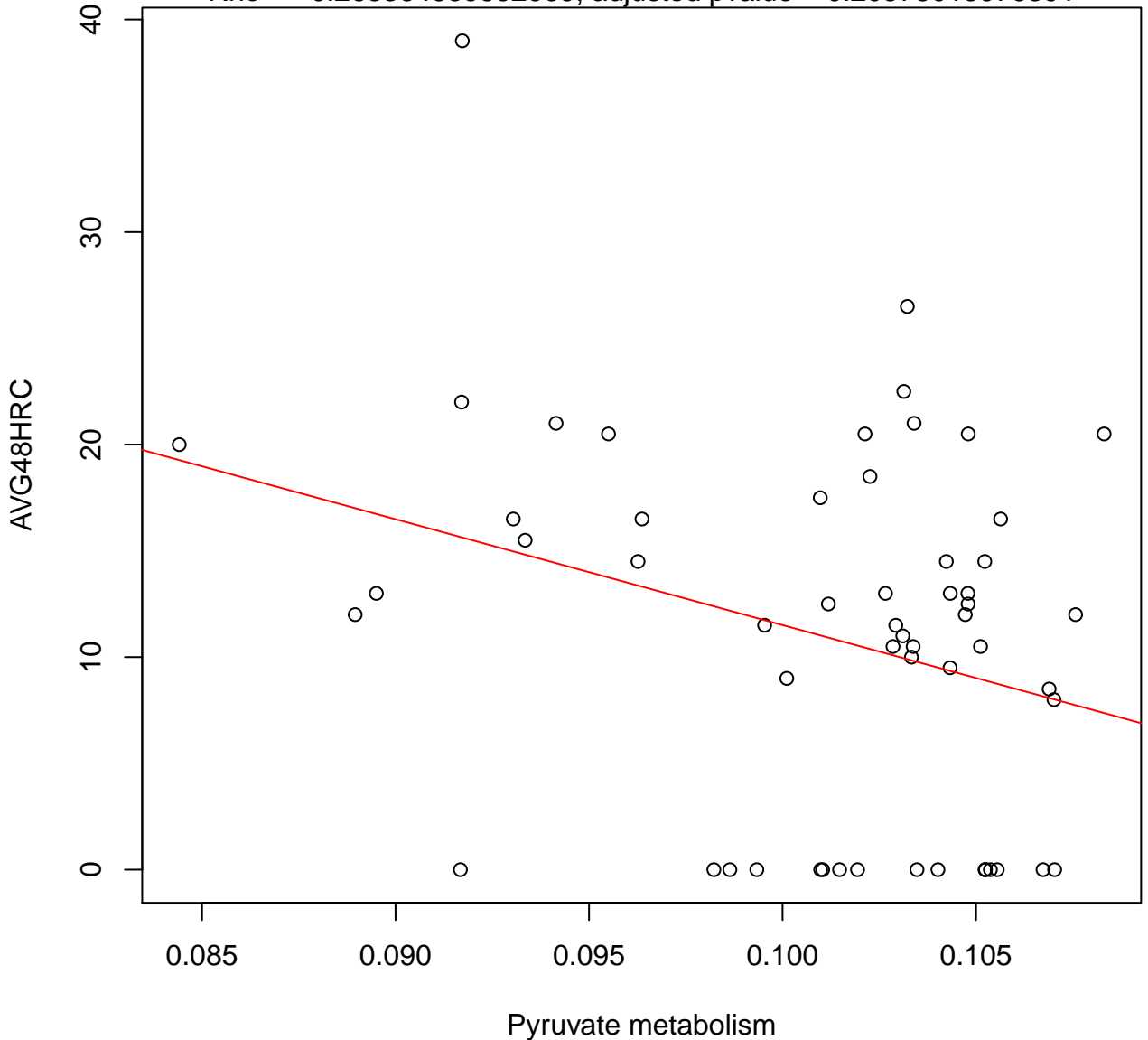
Time 1, AVG48HRC ~ Propanoate metabolism

Rho = -0.424742448139651 , adjusted pvalue = 0.055484769938063



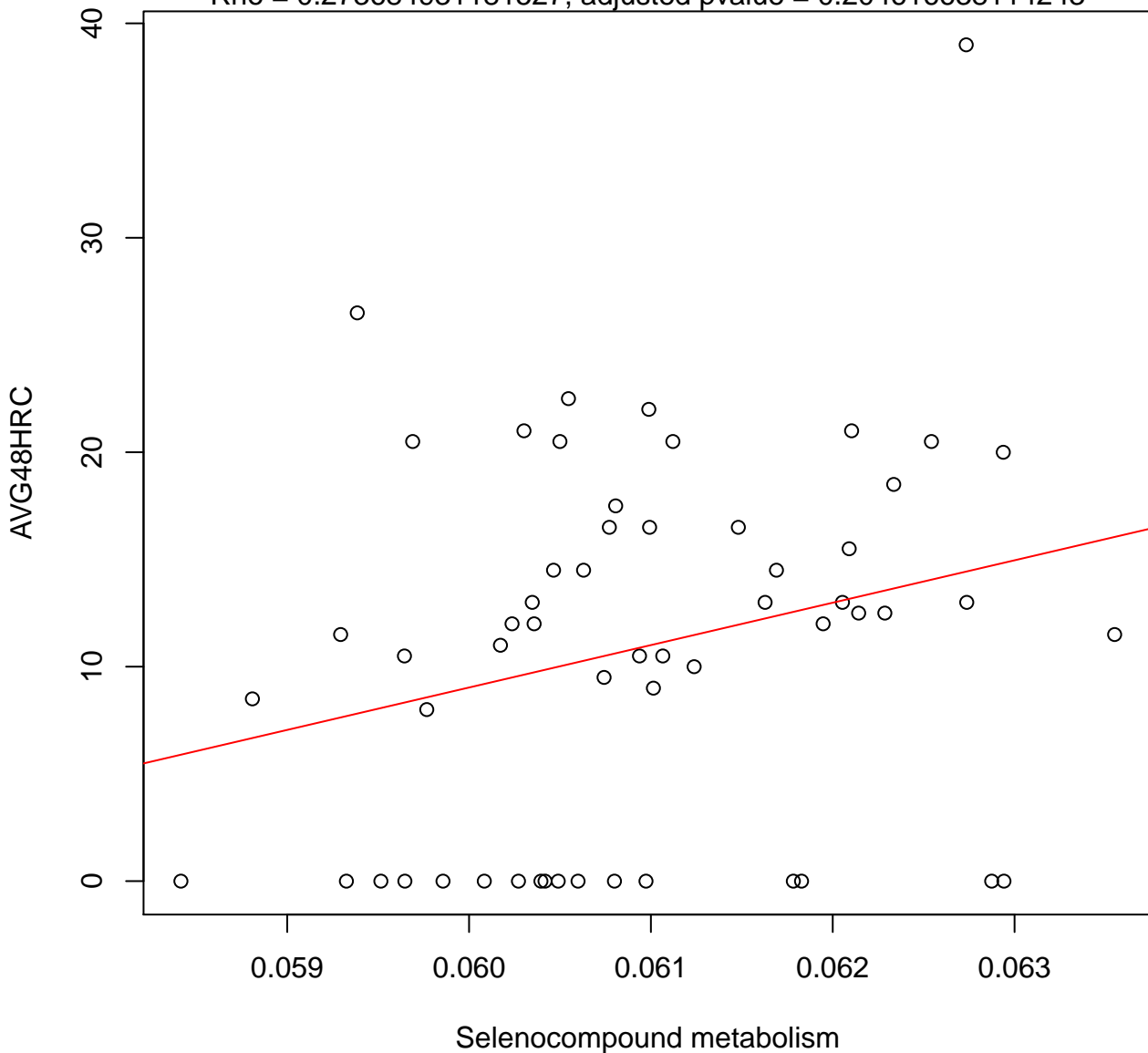
Time 1, AVG48HRC ~ Pyruvate metabolism

Rho = -0.263364639552969 , adjusted pvalue = 0.20578018976391



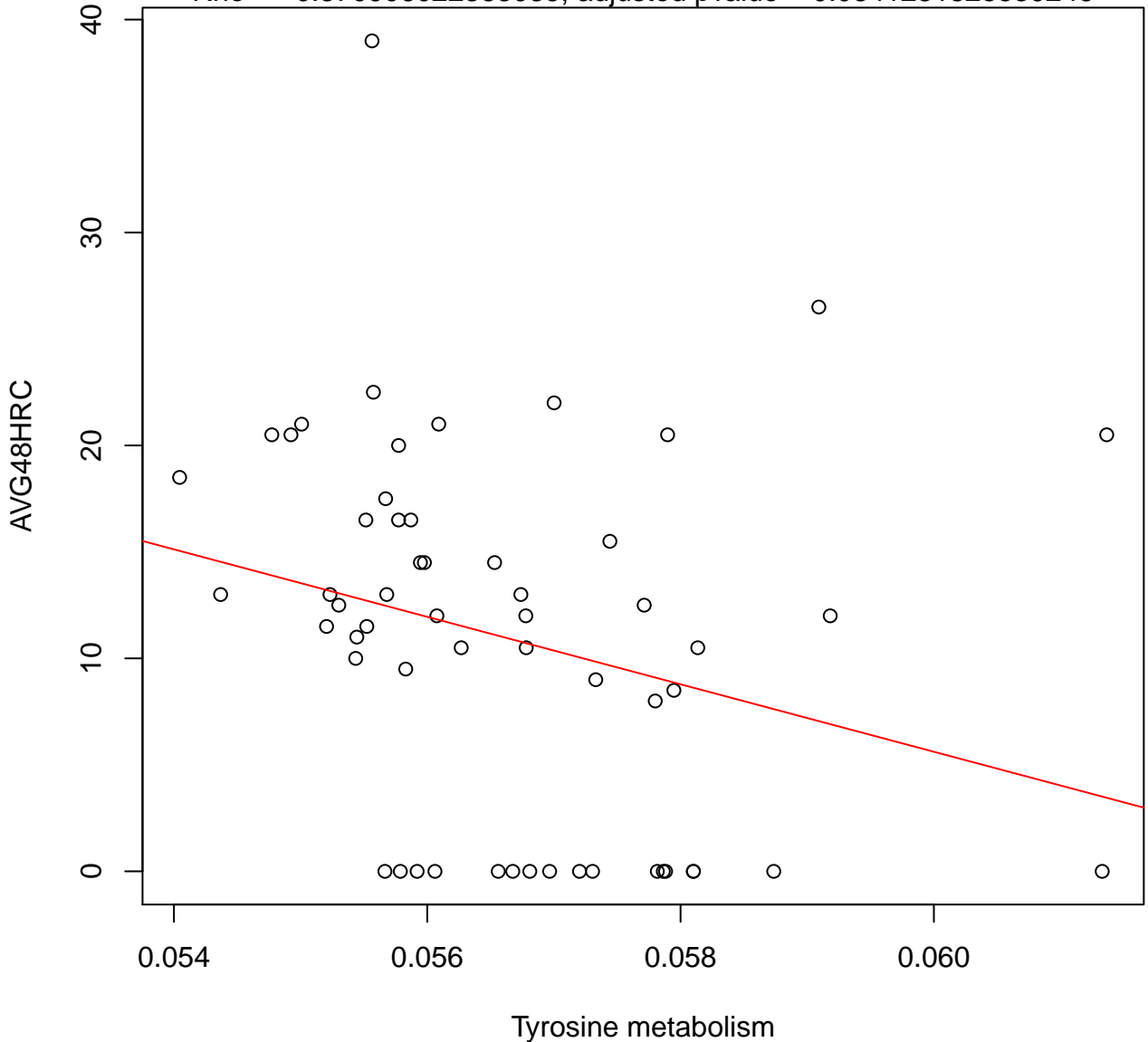
Time 1, AVG48HRC ~ Selenocompound metabolism

Rho = 0.273684931181527, adjusted pvalue = 0.204616638114243



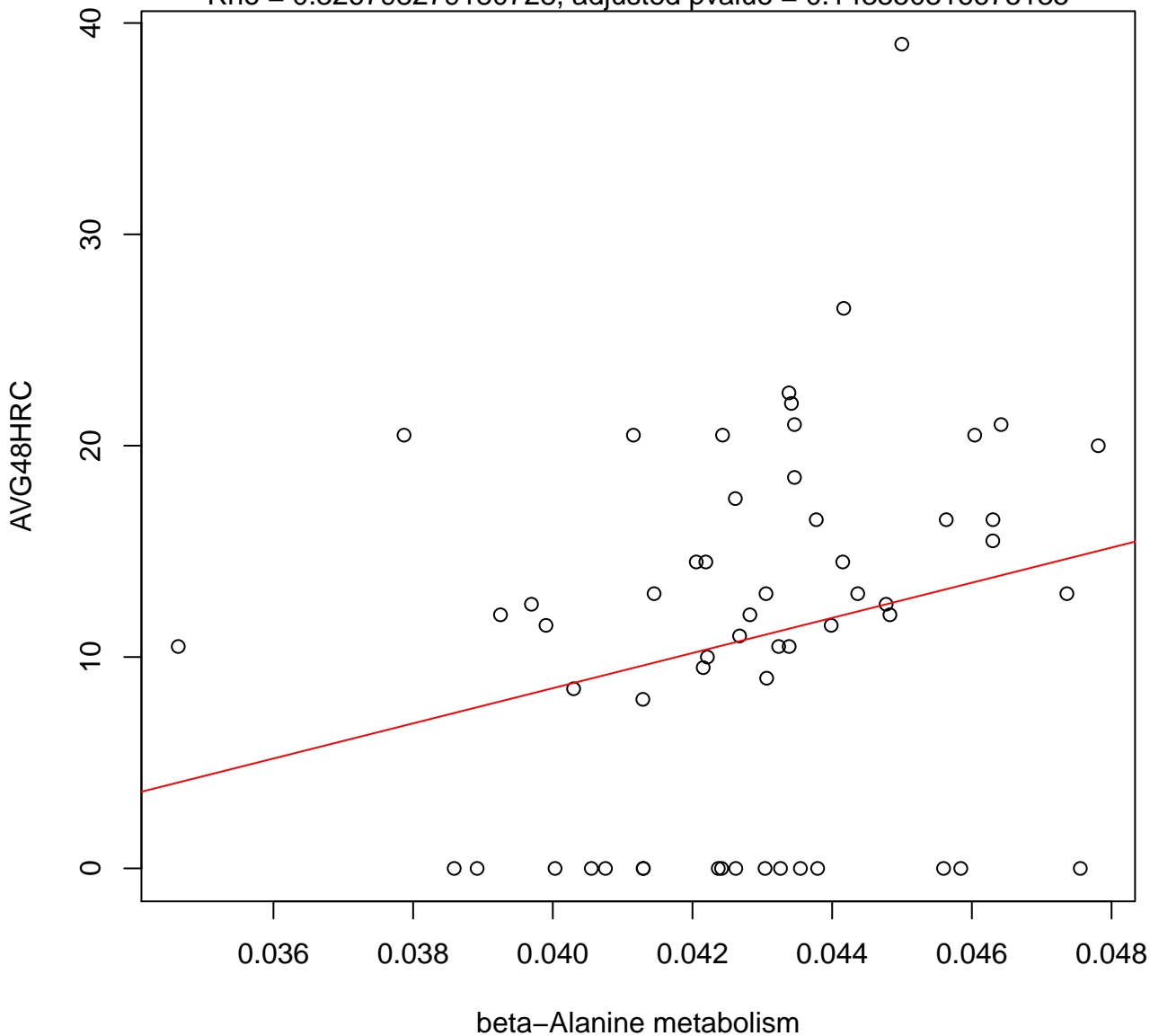
Time 1, AVG48HRC ~ Tyrosine metabolism

Rho = -0.370906022383035 , adjusted pvalue = 0.0841281825539246



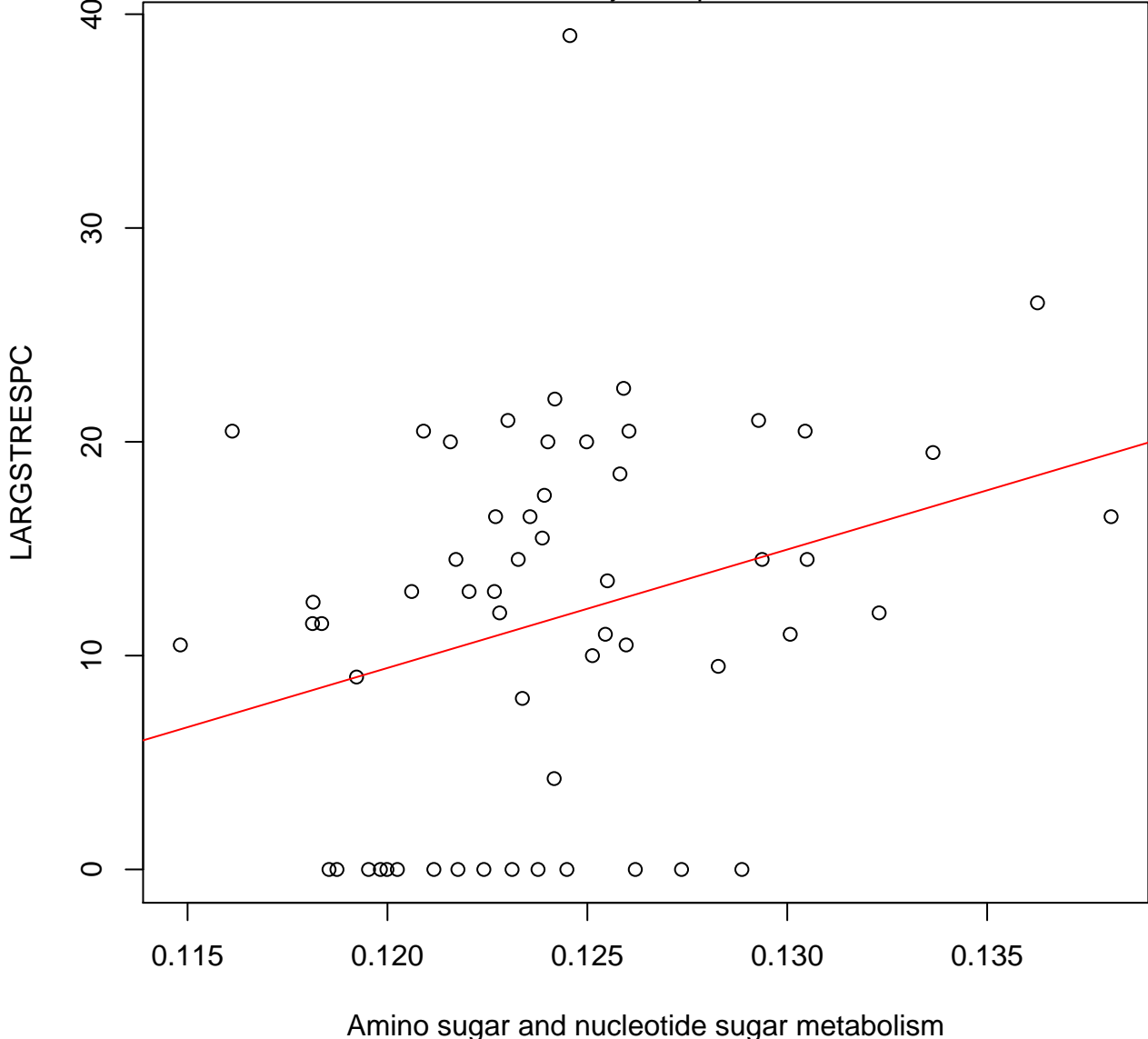
Time 1, AVG48HRC ~ beta-Alanine metabolism

Rho = 0.326798279180728, adjusted pvalue = 0.143550316675135



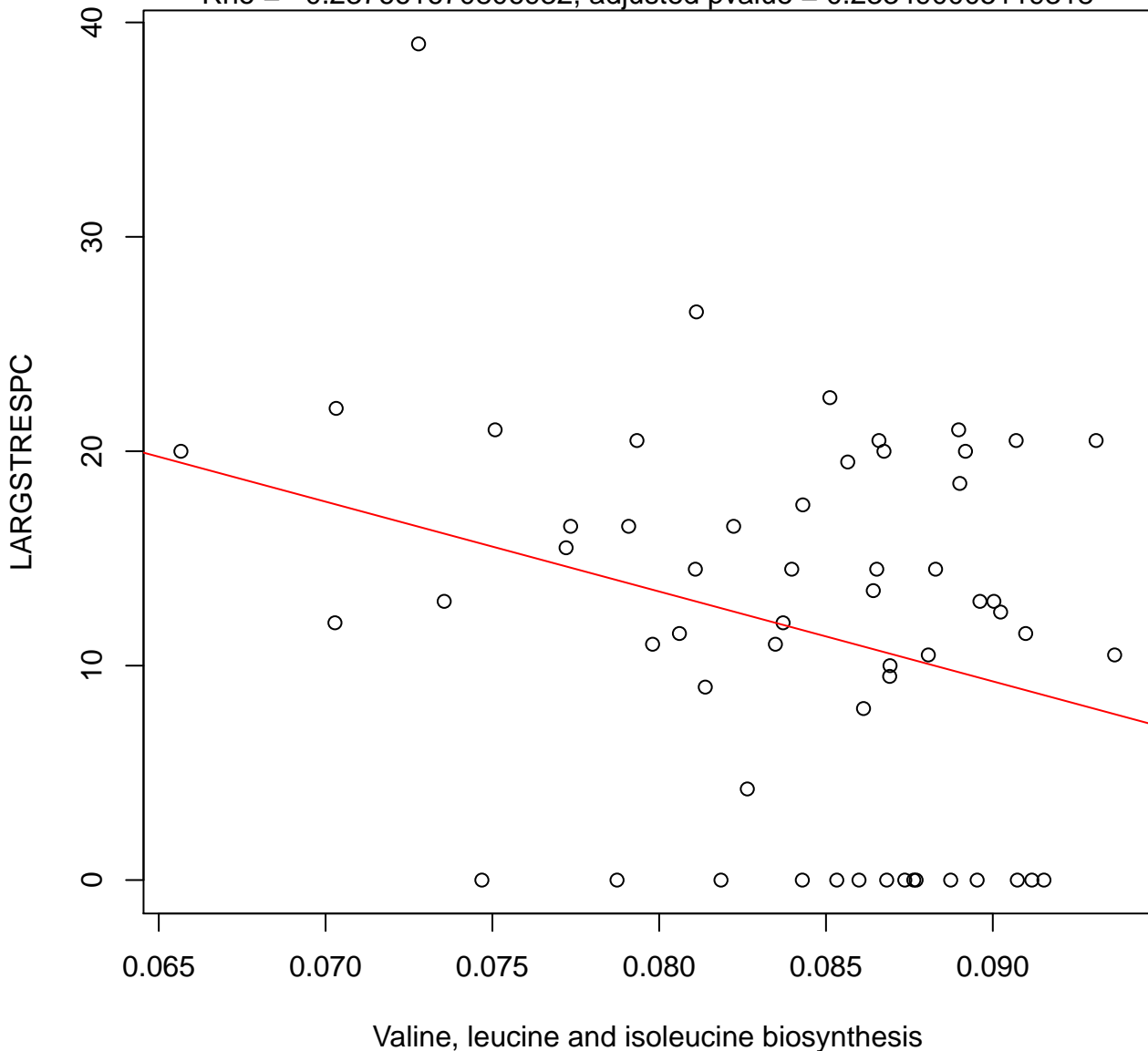
Time 1, LARGSTREPC ~ Amino sugar and nucleotide sugar metabolism

Rho = 0.307958733447154, adjusted pvalue = 0.184621462408541



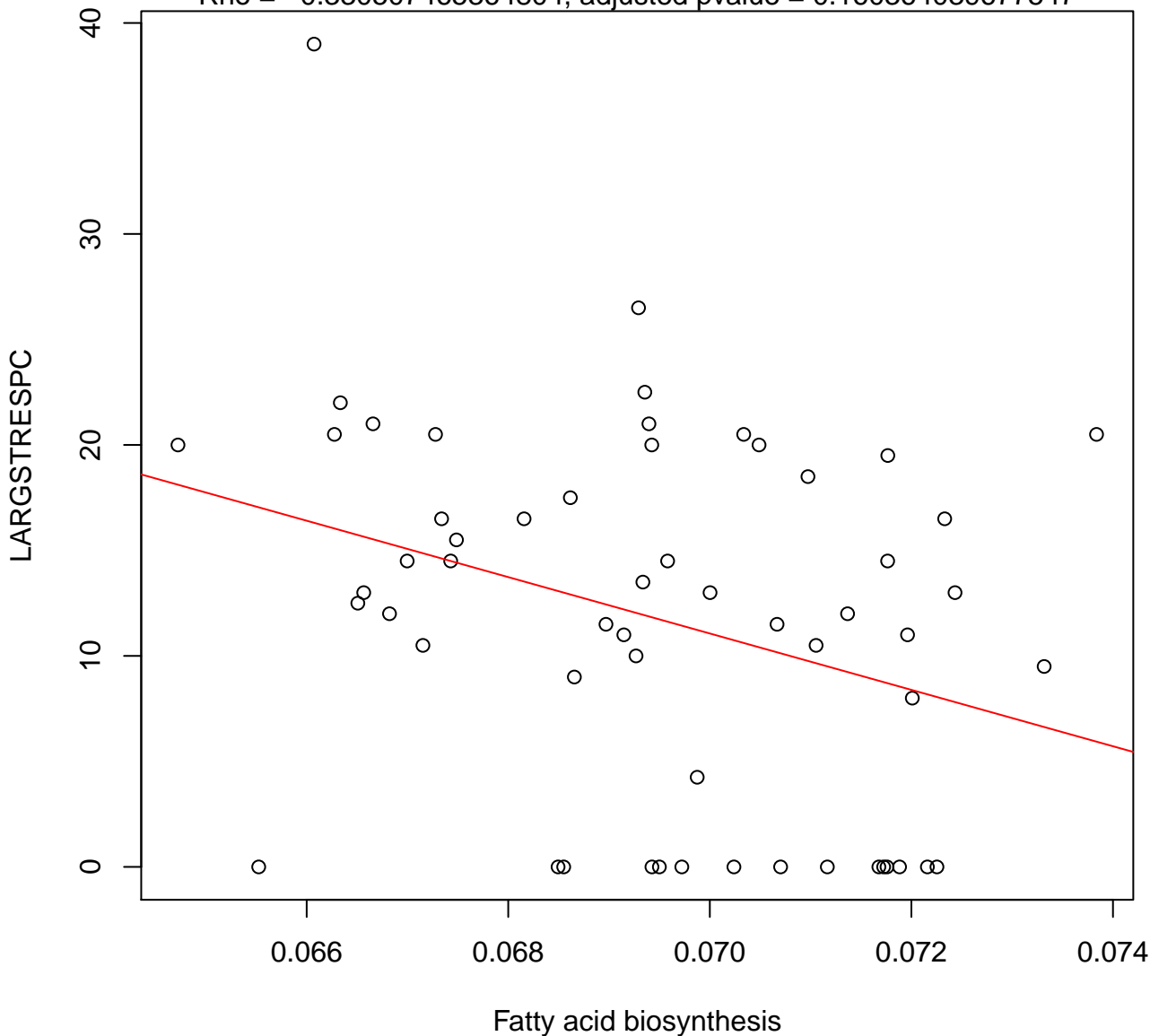
Time 1, LARGSTREPC ~ Valine, leucine and isoleucine biosynthesis

Rho = -0.237661670806932, adjusted pvalue = 0.233490005119318



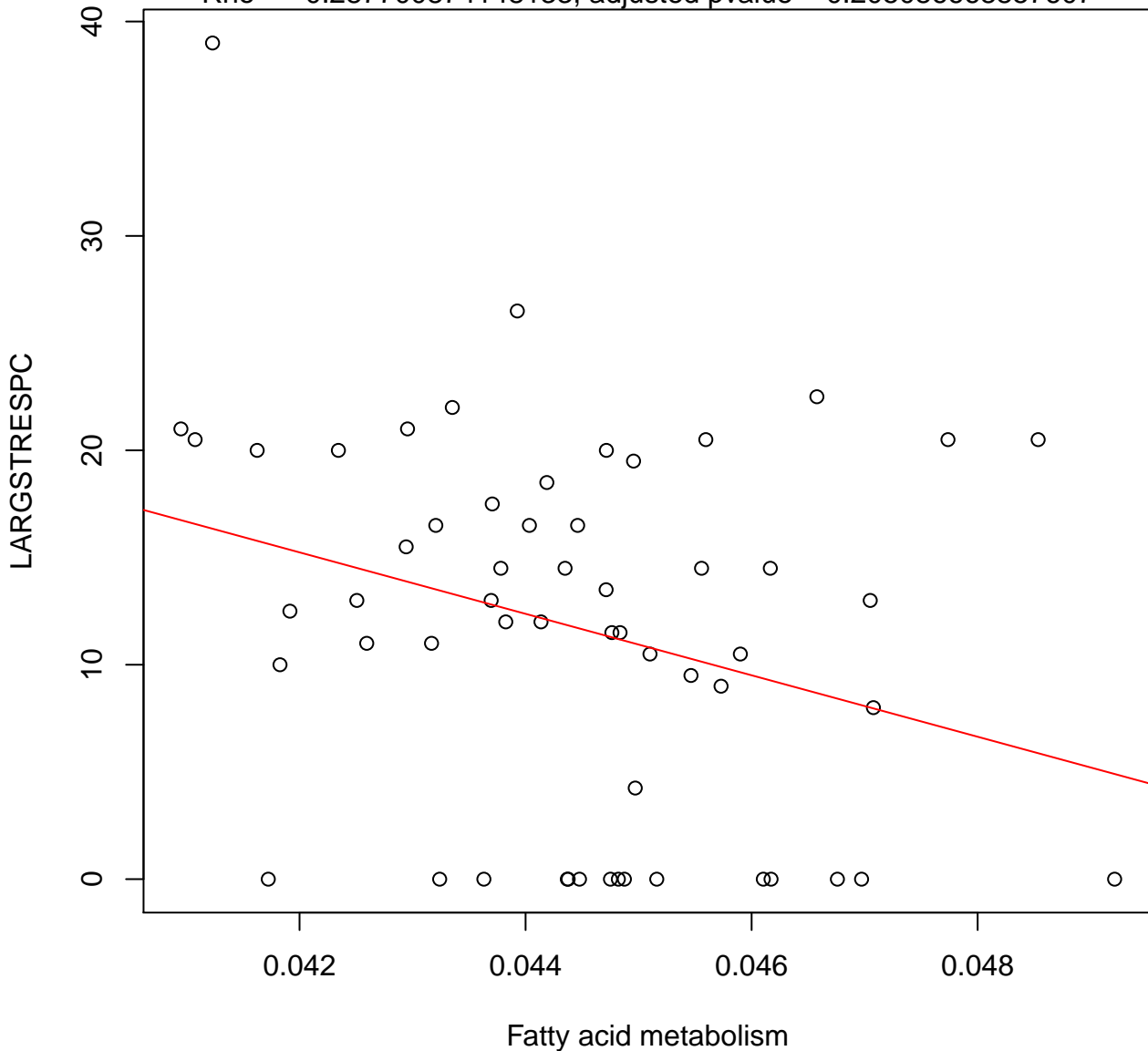
Time 1, LARGSTRESPC ~ Fatty acid biosynthesis

Rho = -0.330507465364804 , adjusted pvalue = 0.160364039677547



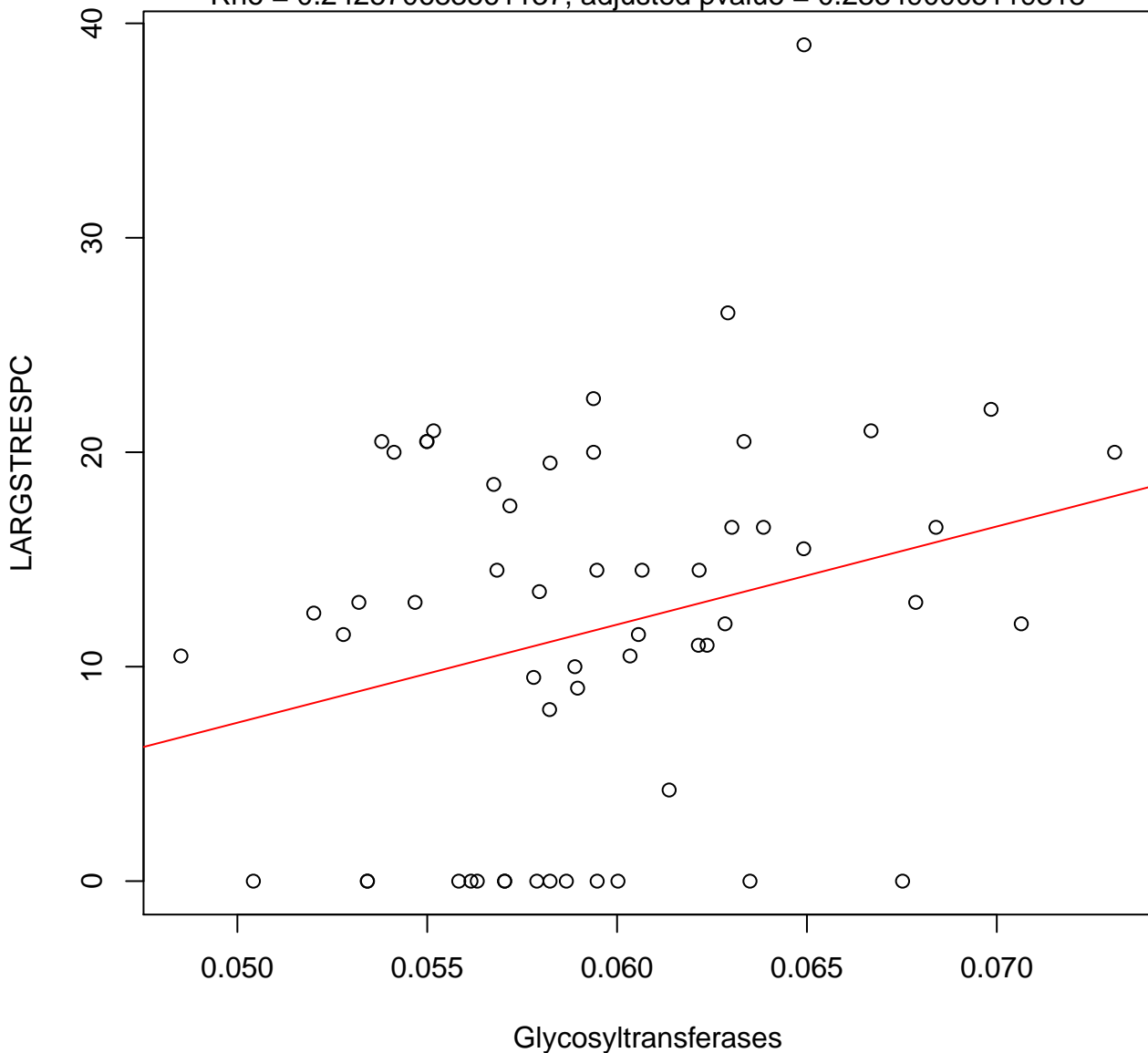
Time 1, LARGSTRESPC ~ Fatty acid metabolism

Rho = -0.287700874148133 , adjusted pvalue = 0.205086668857607



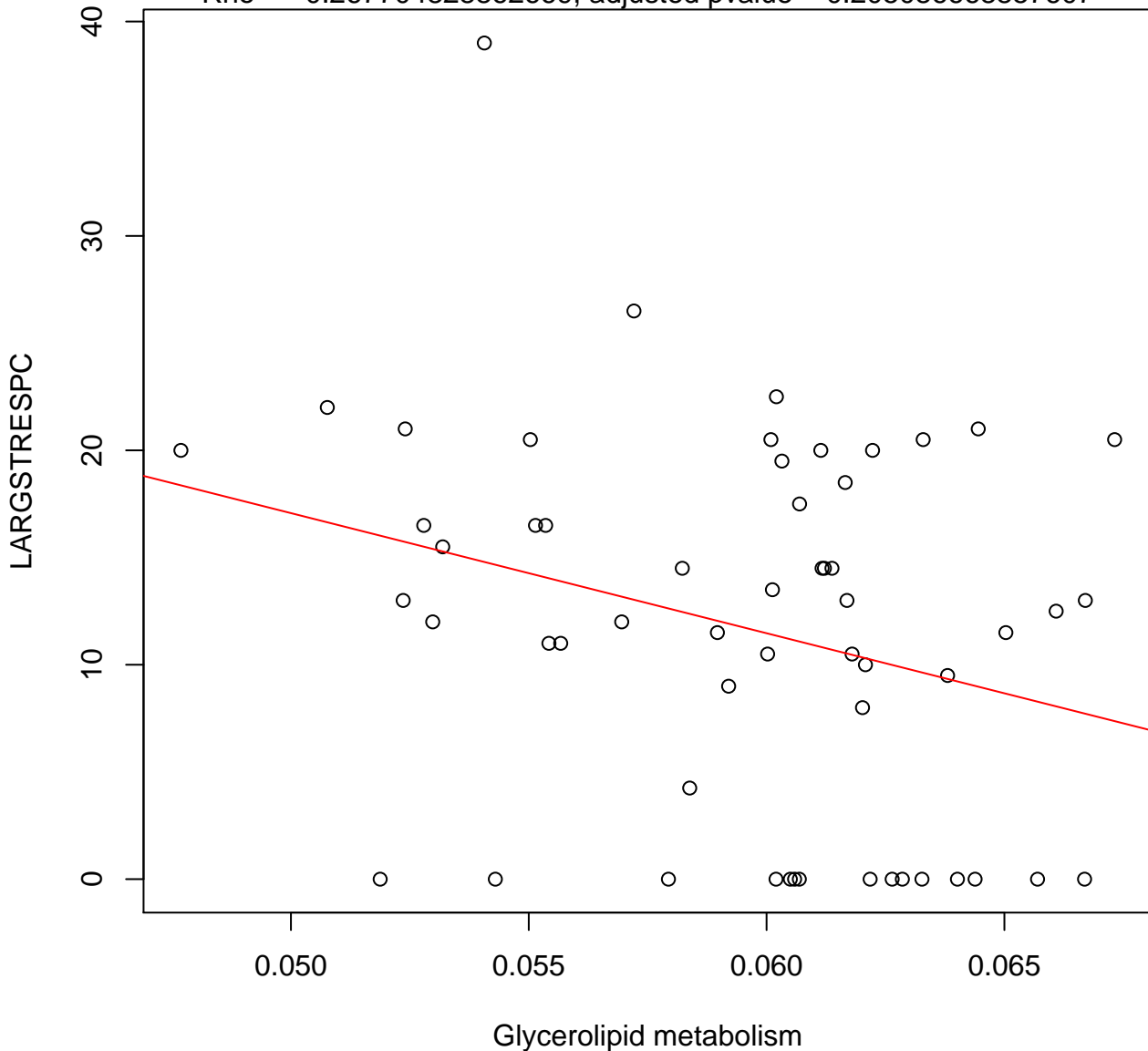
Time 1, LARGSTRESPC ~ Glycosyltransferases

Rho = 0.242570683561137, adjusted pvalue = 0.233490005119318



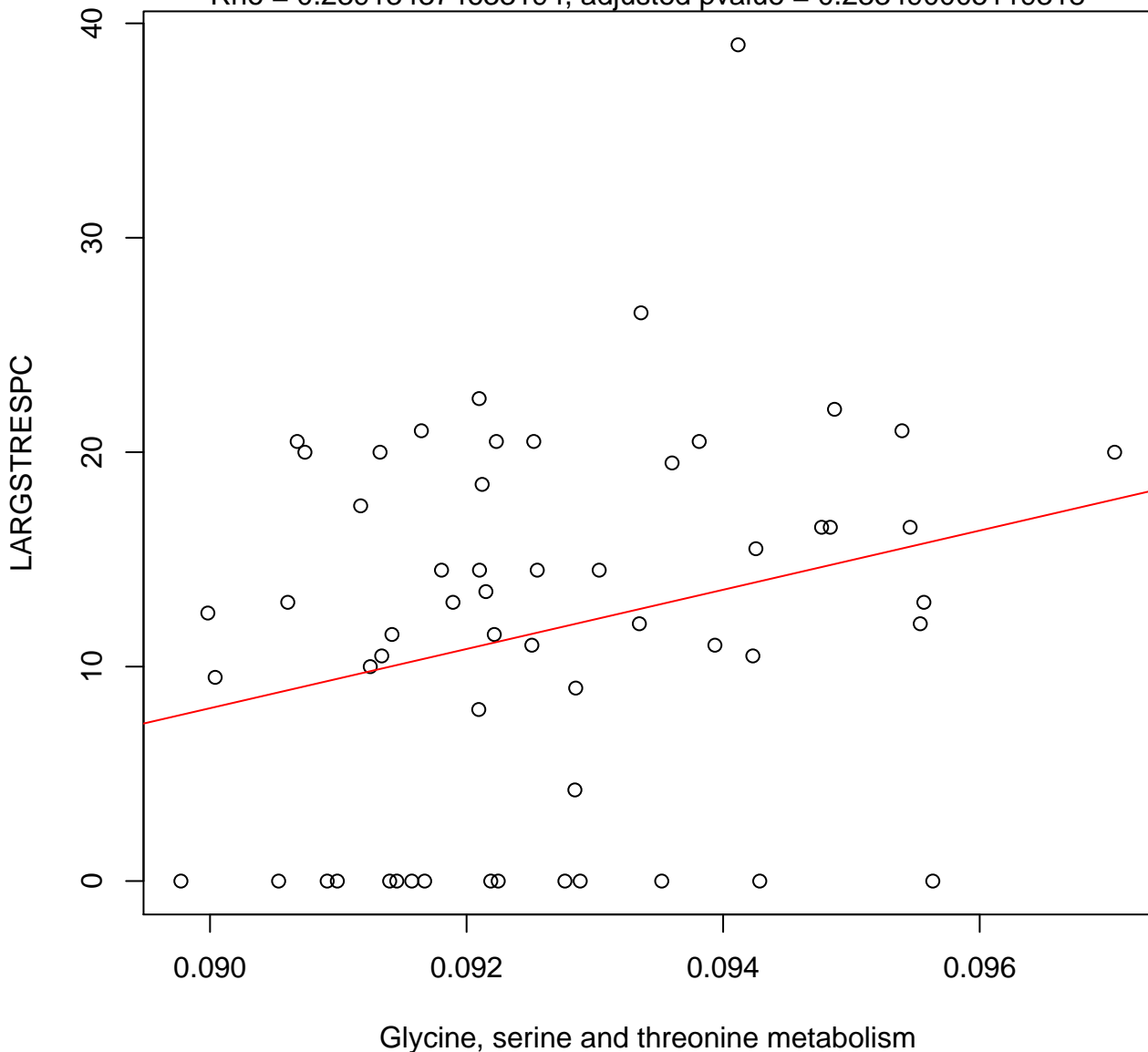
Time 1, LARGSTRESPC ~ Glycerolipid metabolism

Rho = -0.267704828862669, adjusted pvalue = 0.205086668857607



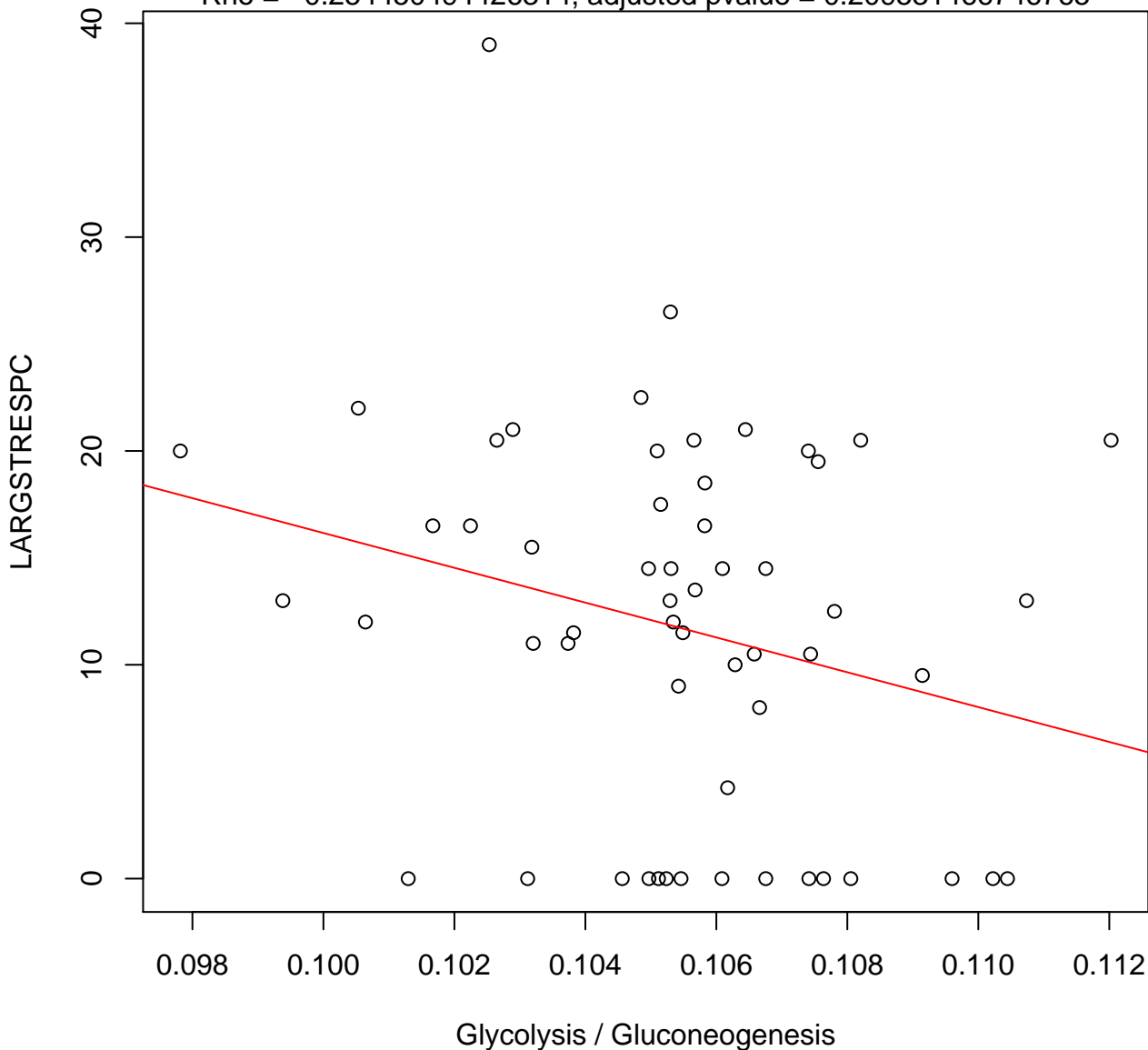
Time 1, LARGSTRESPC ~ Glycine, serine and threonine metabolism

Rho = 0.239134374633194, adjusted pvalue = 0.233490005119318



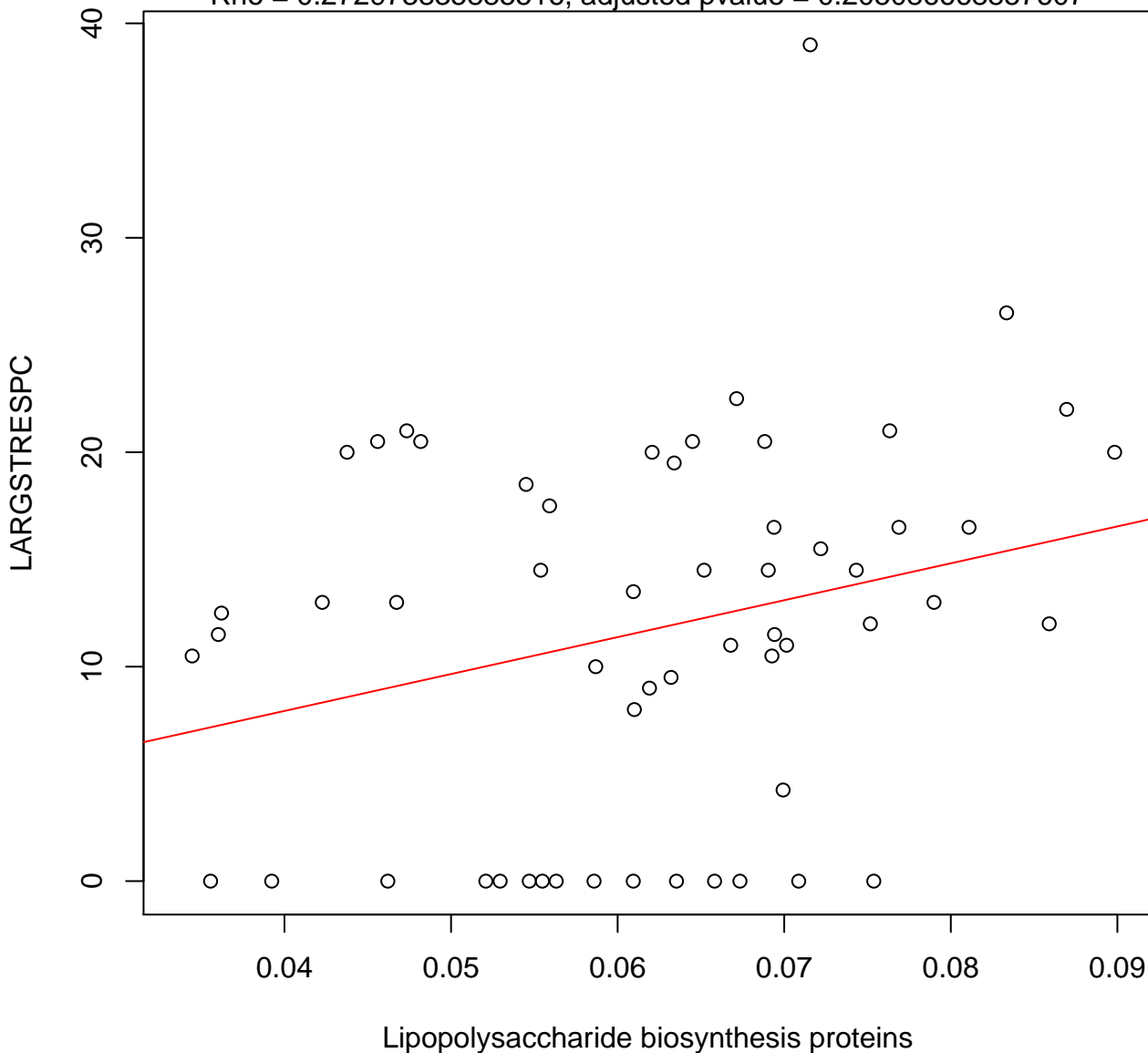
Time 1, LARGSTRESPC ~ Glycolysis / Gluconeogenesis

Rho = -0.254450494426314 , adjusted pvalue = 0.209531466746765



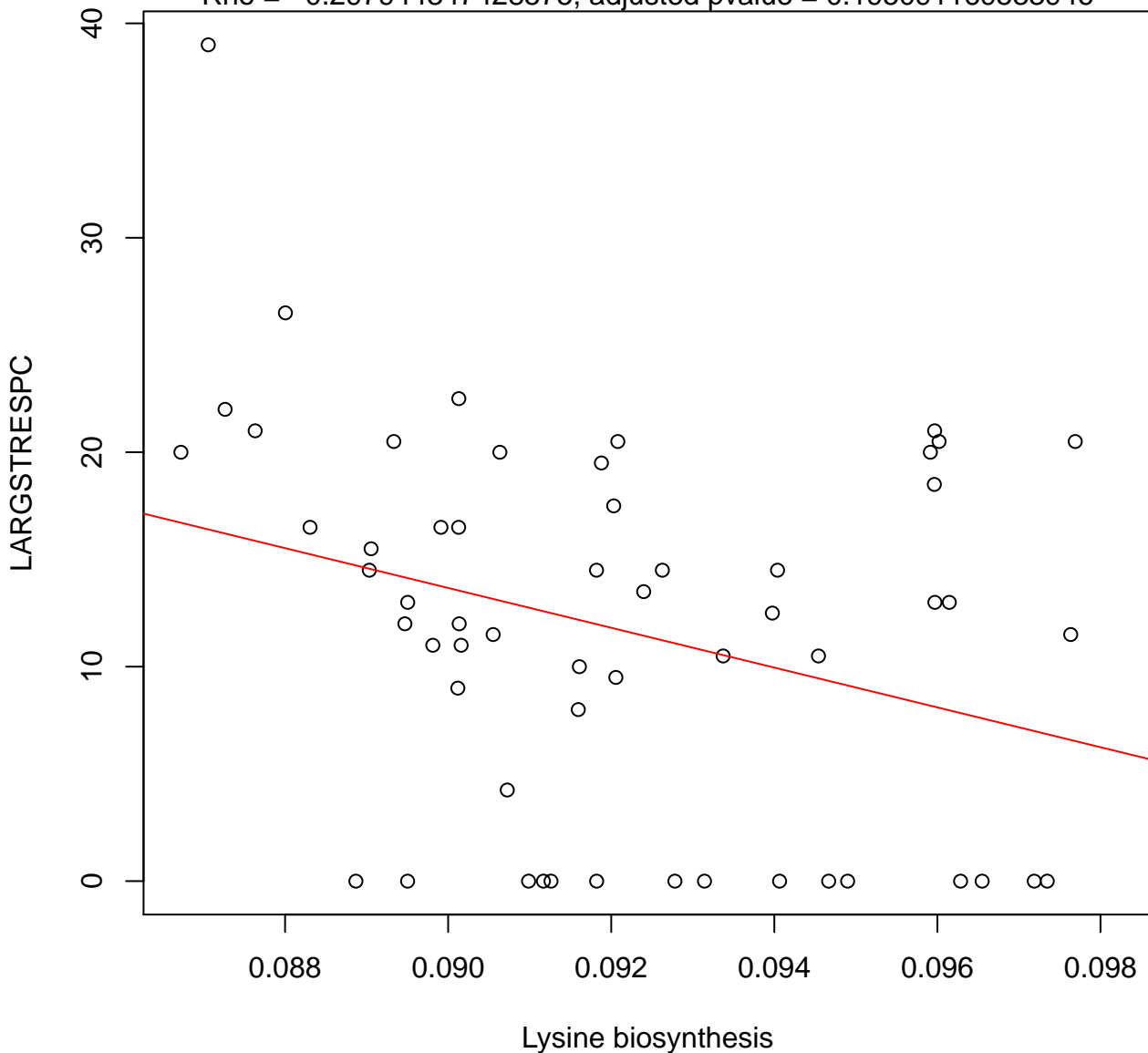
Time 1, LARGSTREPC ~ Lipopolysaccharide biosynthesis proteins

Rho = 0.272973835885516, adjusted pvalue = 0.205086668857607



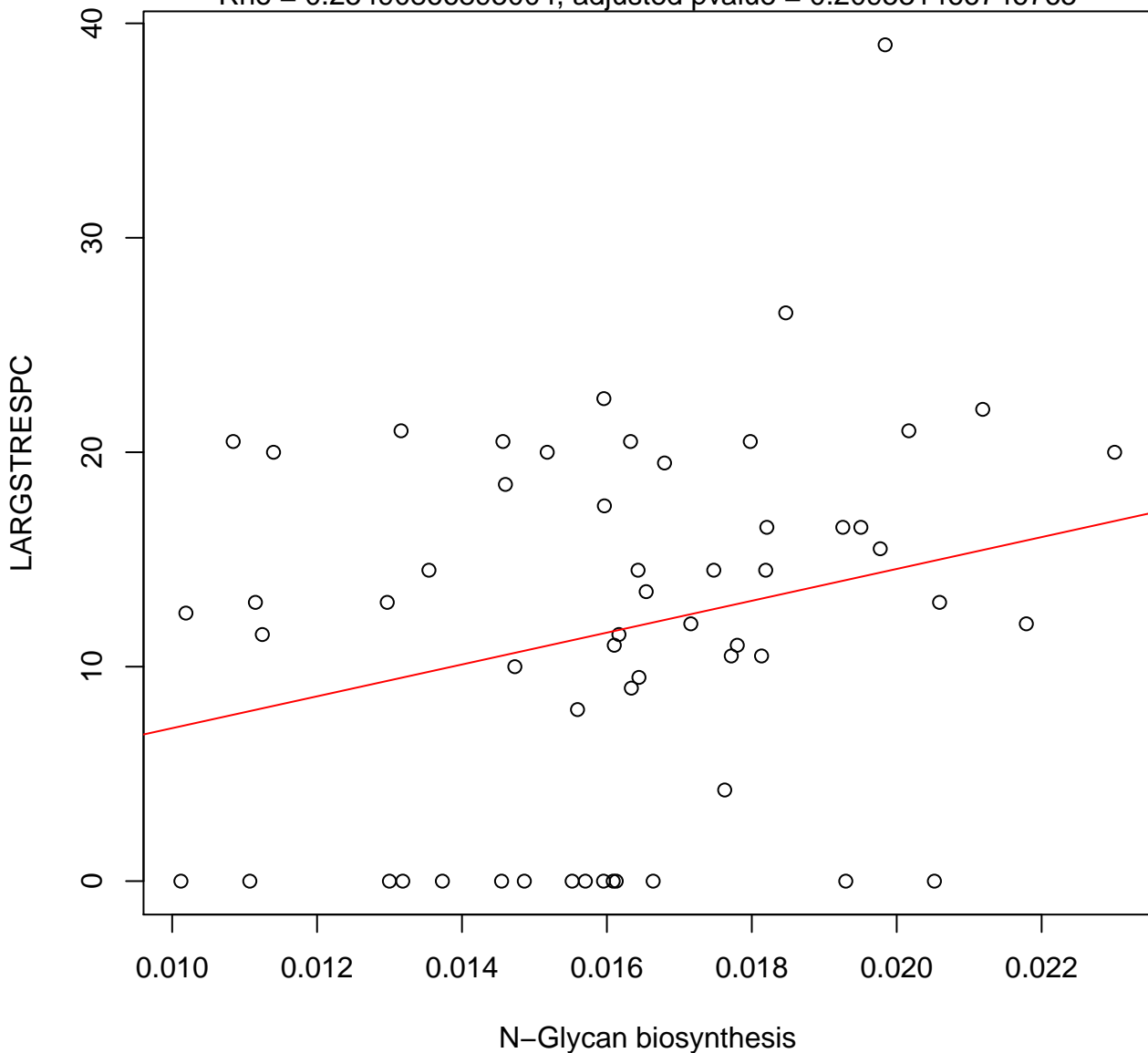
Time 1, LARGSTRESPC ~ Lysine biosynthesis

Rho = -0.297944347428575, adjusted pvalue = 0.195091169533946

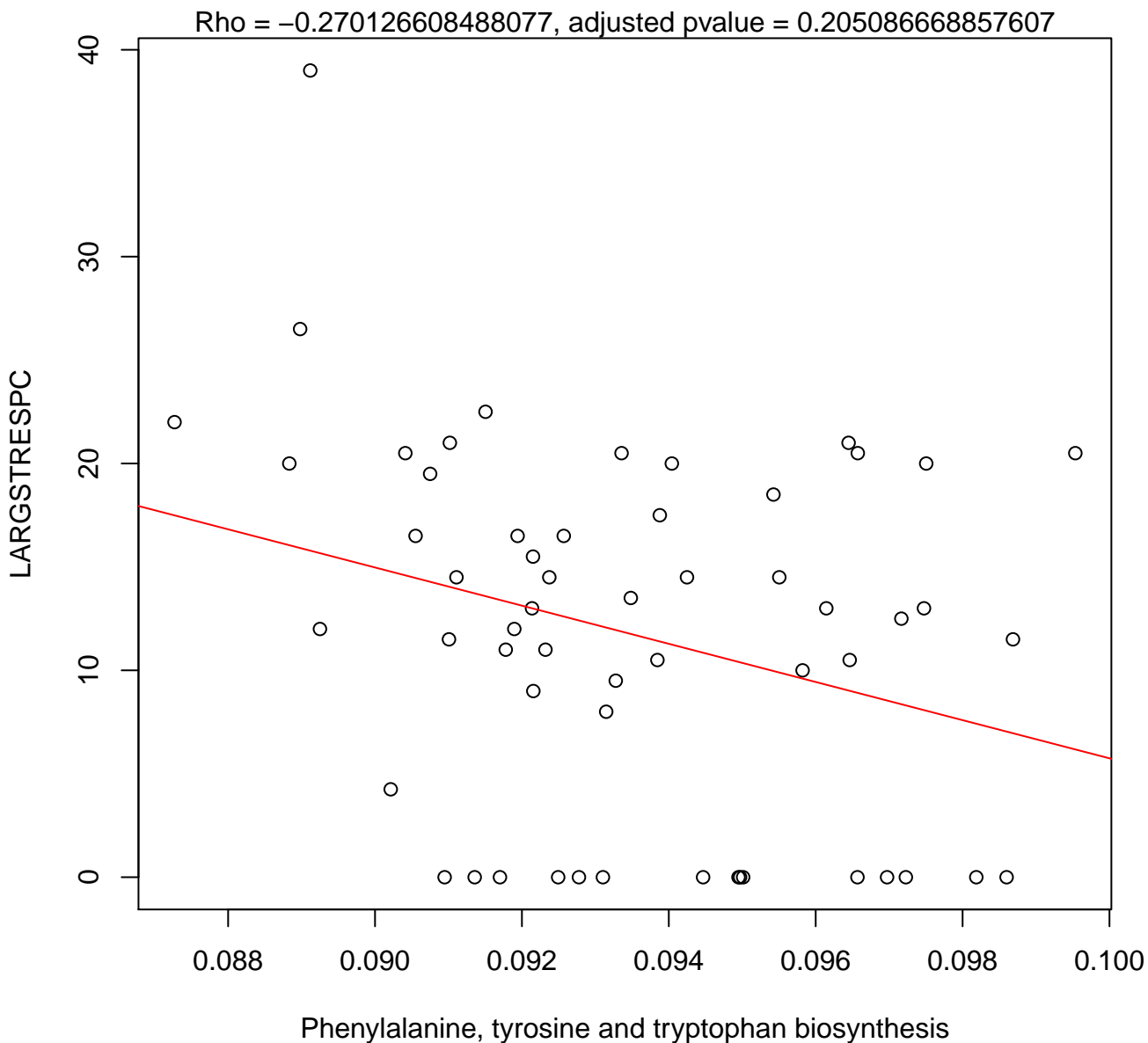


Time 1, LARGSTRESPC ~ N-Glycan biosynthesis

Rho = 0.25490866895004, adjusted pvalue = 0.209531466746765

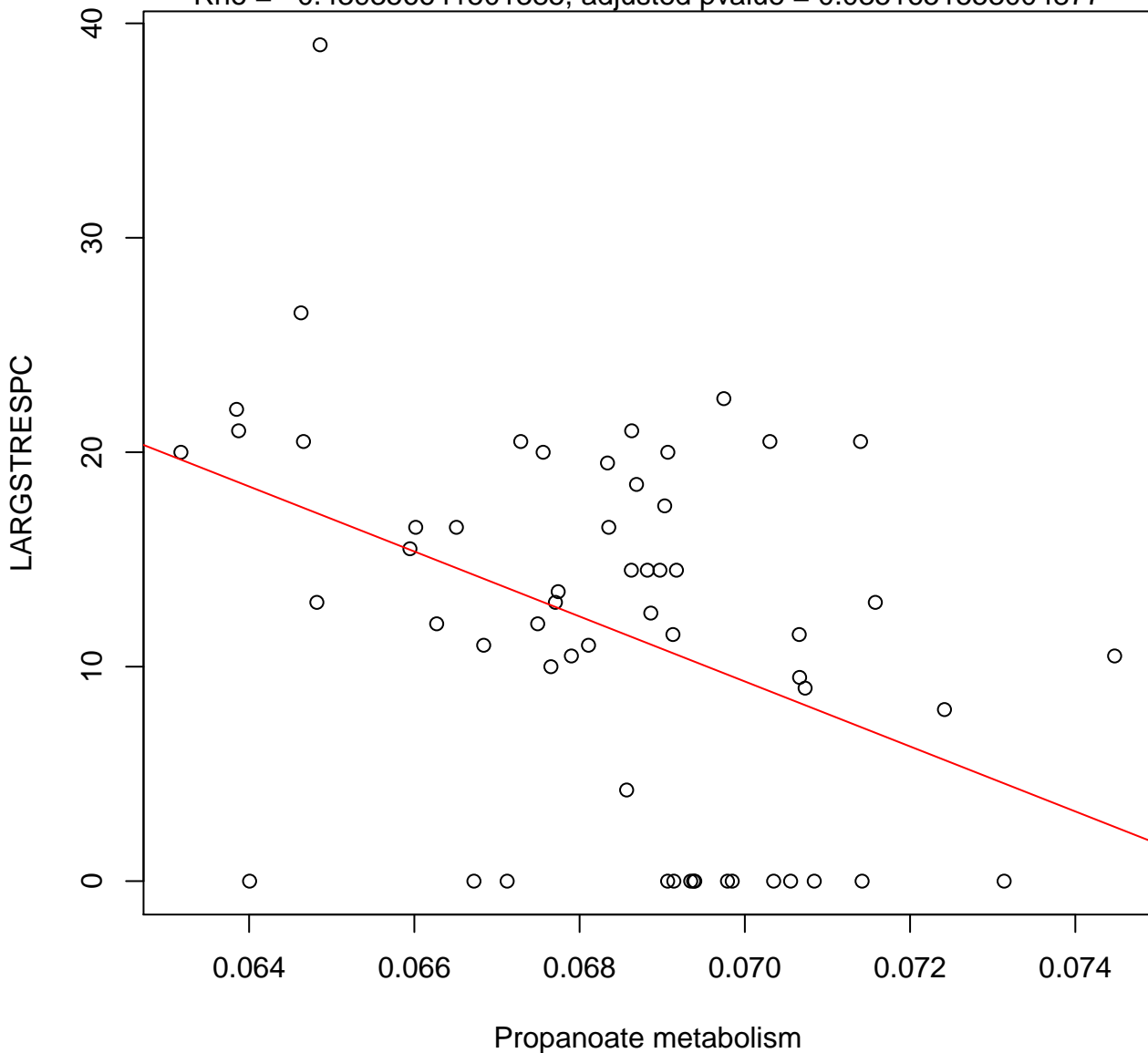


Time 1, LARGSTRESPC ~ Phenylalanine, tyrosine and tryptophan biosynthesis



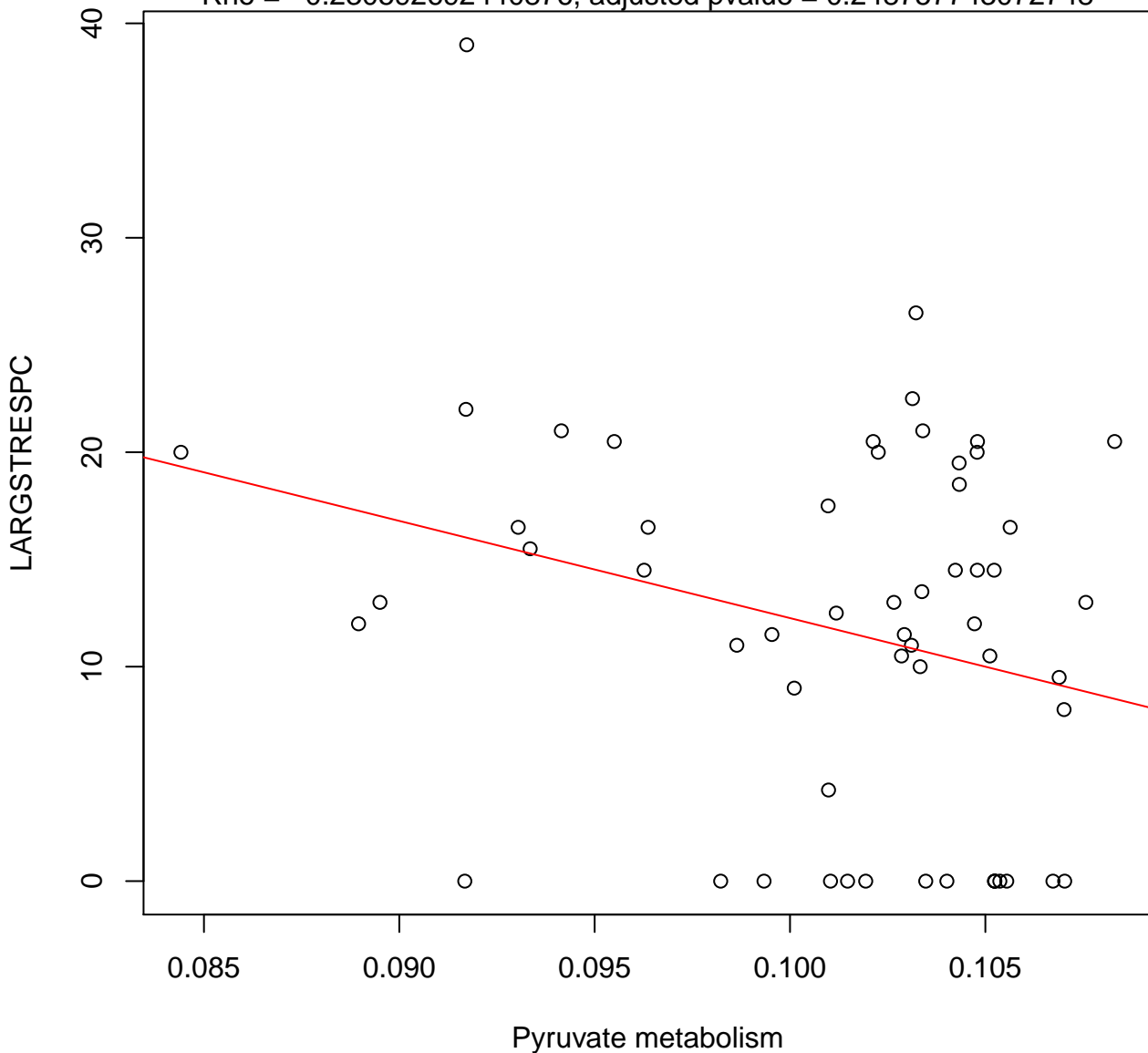
Time 1, LARGSTRESPC ~ Propanoate metabolism

Rho = -0.439356641501385 , adjusted pvalue = 0.0351651553004877



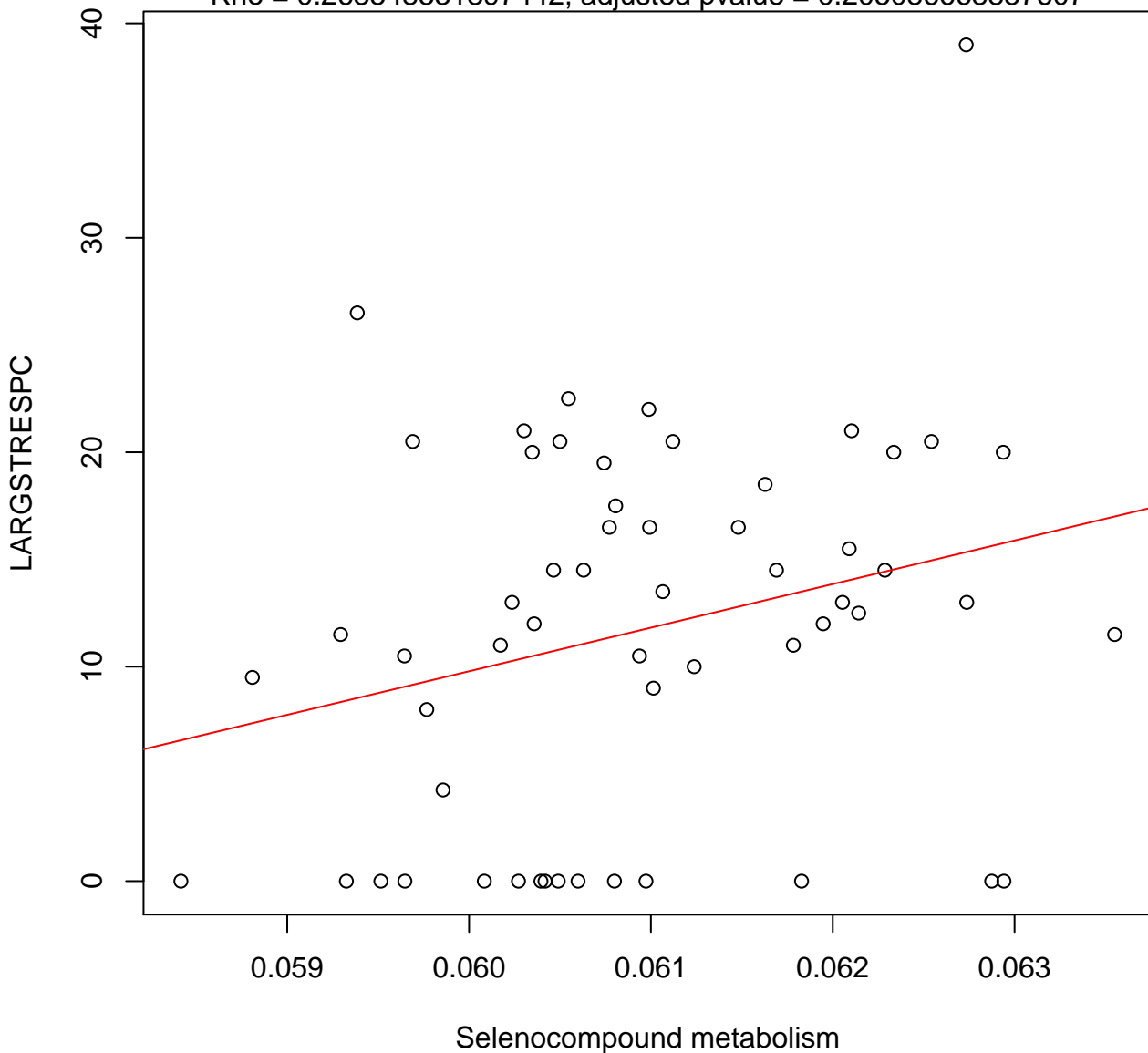
Time 1, LARGSTRESPC ~ Pyruvate metabolism

Rho = -0.230592692440876 , adjusted pvalue = 0.248757743072748



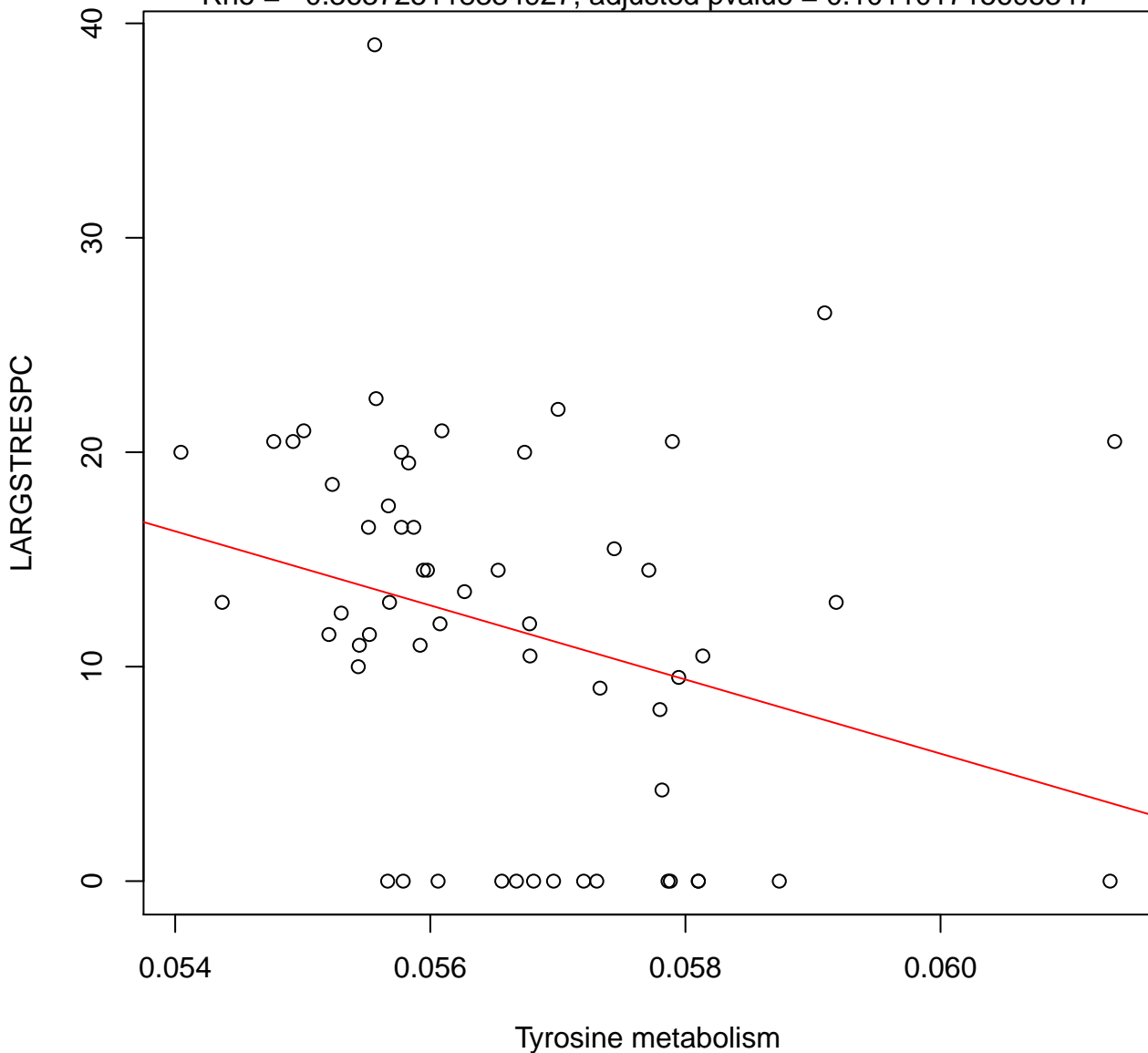
Time 1, LARGSTRESPC ~ Selenocompound metabolism

Rho = 0.263548531397442, adjusted pvalue = 0.205086668857607



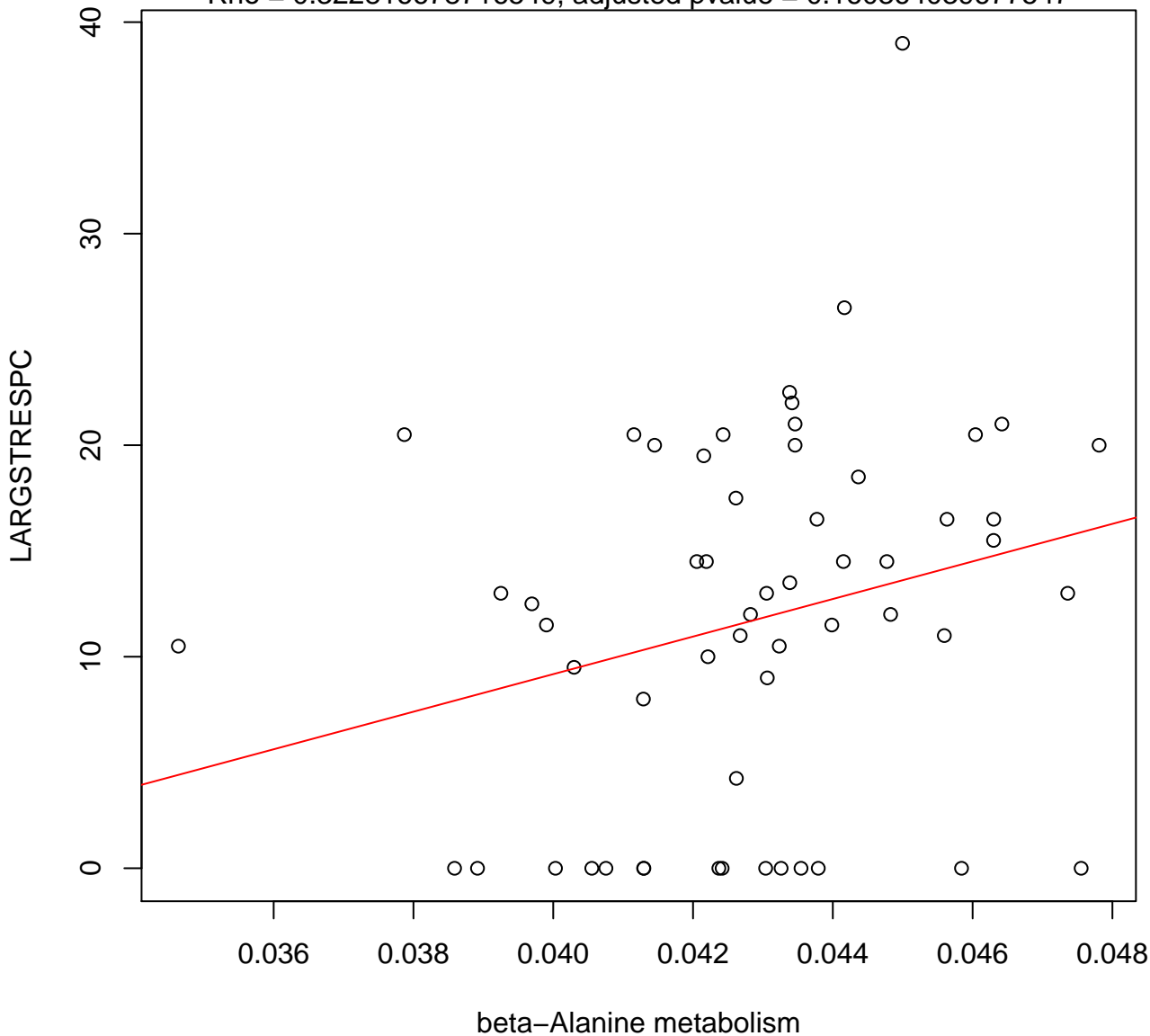
Time 1, LARGSTRESPC ~ Tyrosine metabolism

Rho = -0.363725118334927 , adjusted pvalue = 0.101101715695347



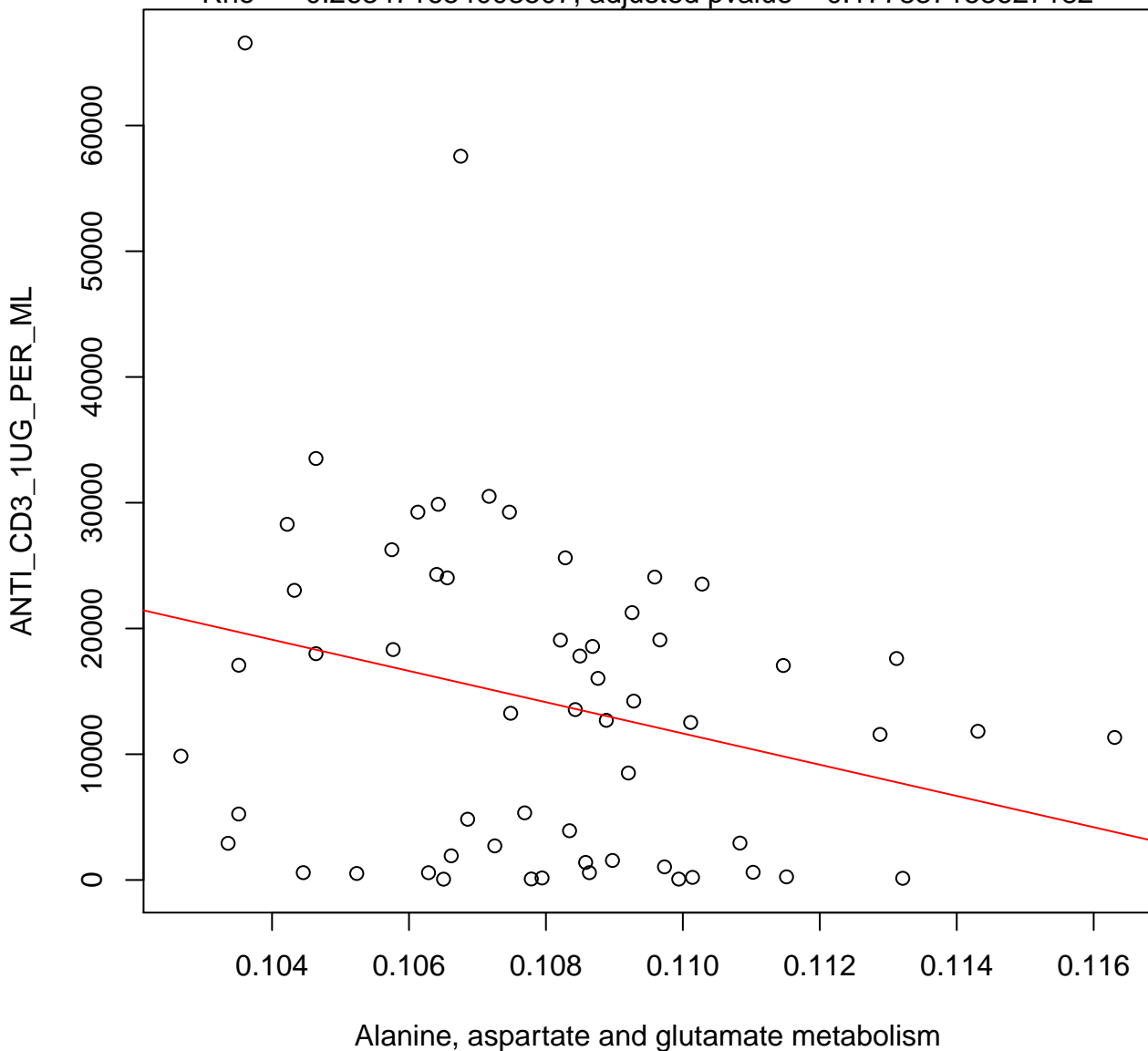
Time 1, LARGSTRESPC ~ beta-Alanine metabolism

Rho = 0.322816678716549, adjusted pvalue = 0.160364039677547



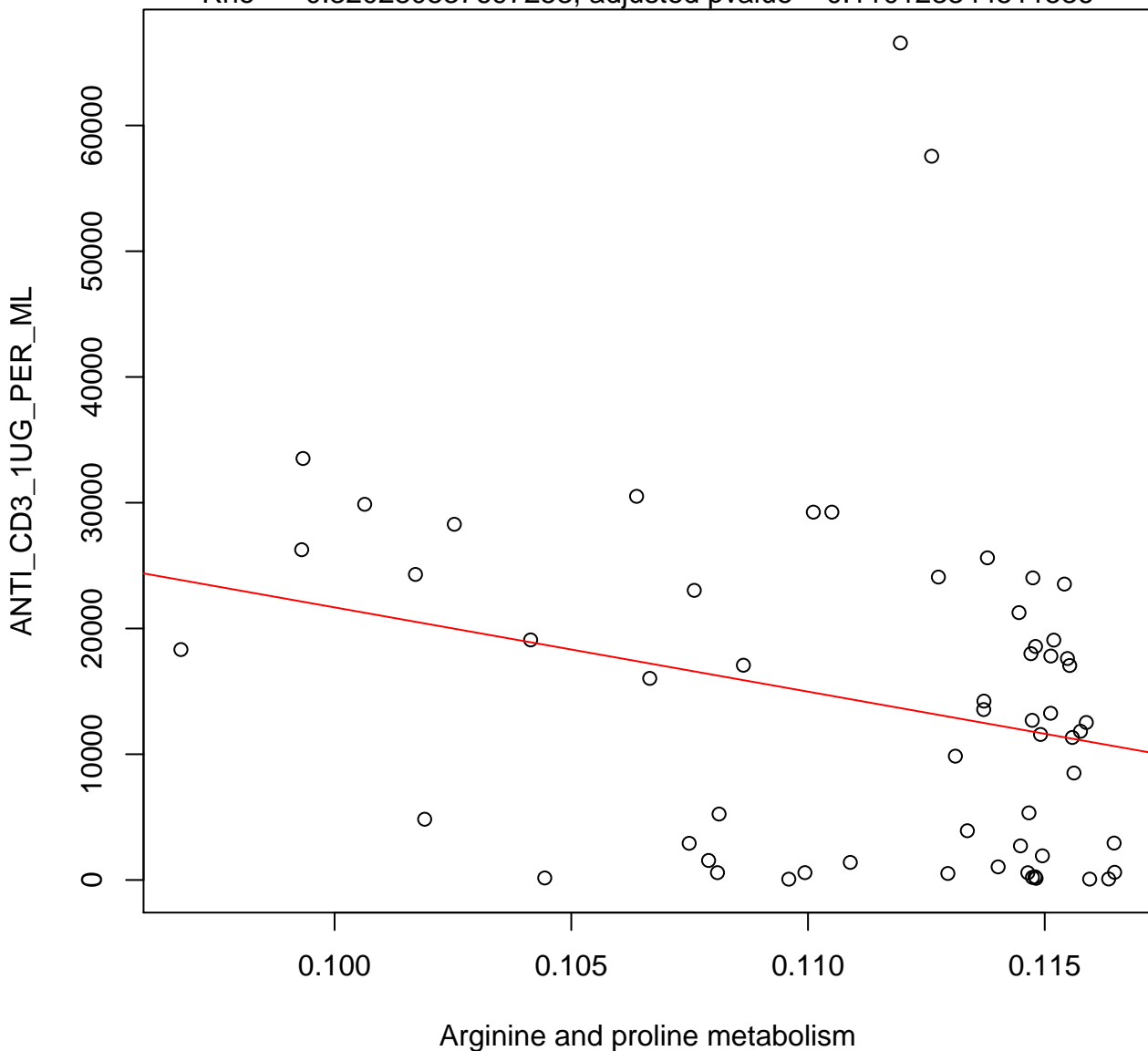
Time 1, ANTI_CD3_1UG_PER_ML ~ Alanine, aspartate and glutamate metabolism

Rho = -0.263471654003507, adjusted pvalue = 0.177837153627182



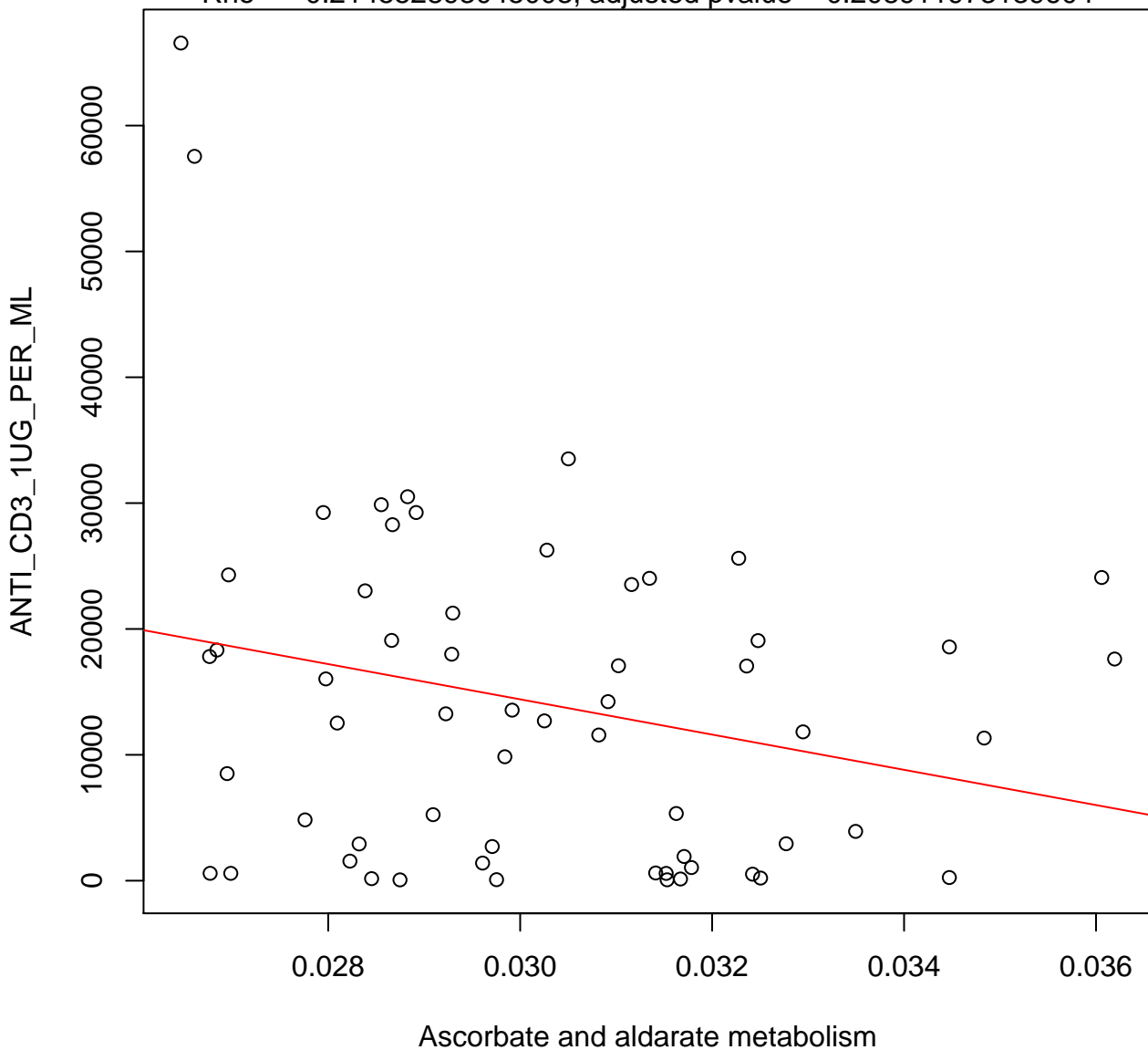
Time 1, ANTI_CD3_1UG_PER_ML ~ Arginine and proline metabolism

Rho = -0.320280537697253 , adjusted pvalue = 0.110123344511536



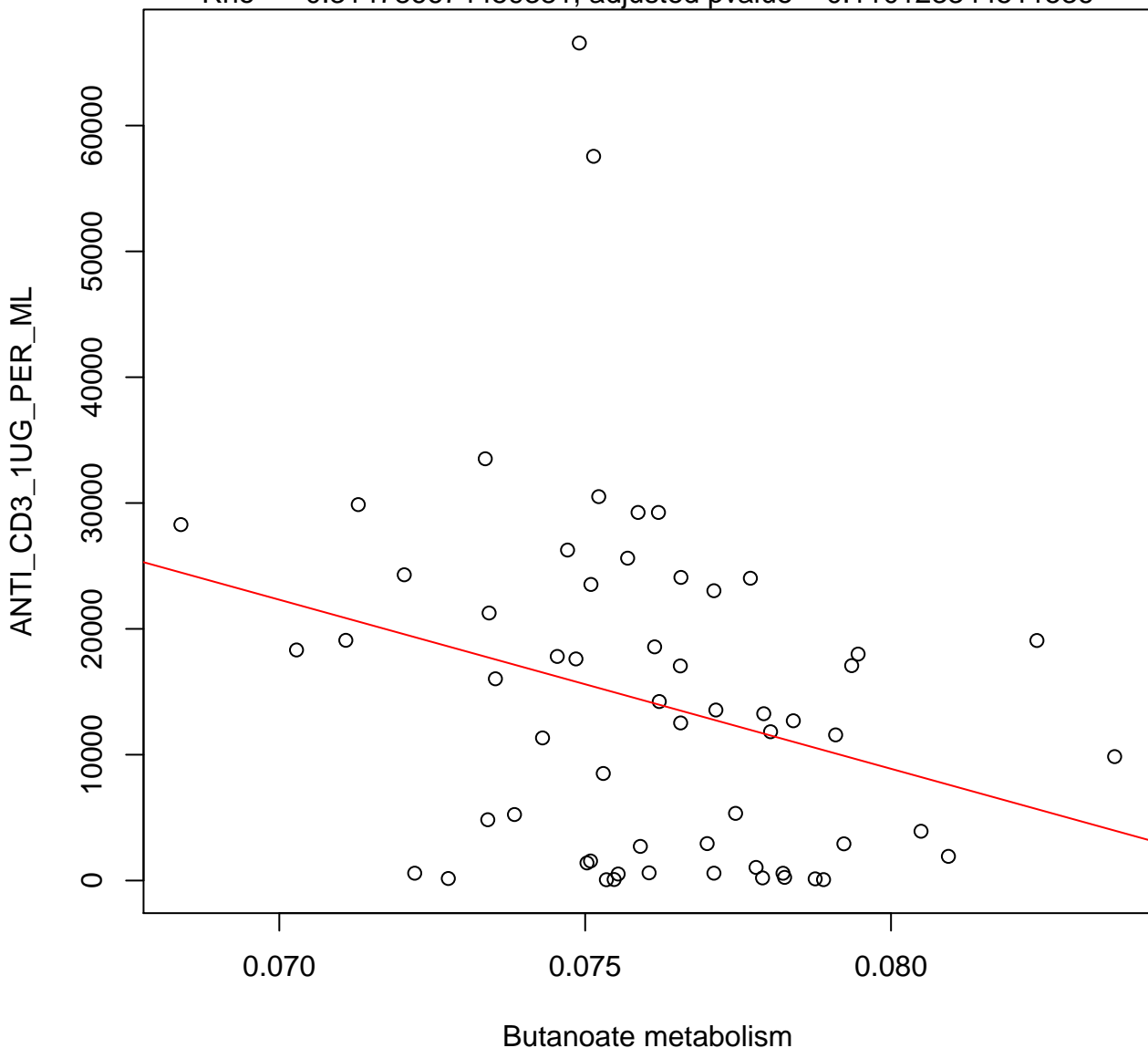
Time 1, ANTI_CD3_1UG_PER_ML ~ Ascorbate and aldarate metabolism

Rho = -0.214552893045003 , adjusted pvalue = 0.208911973139604



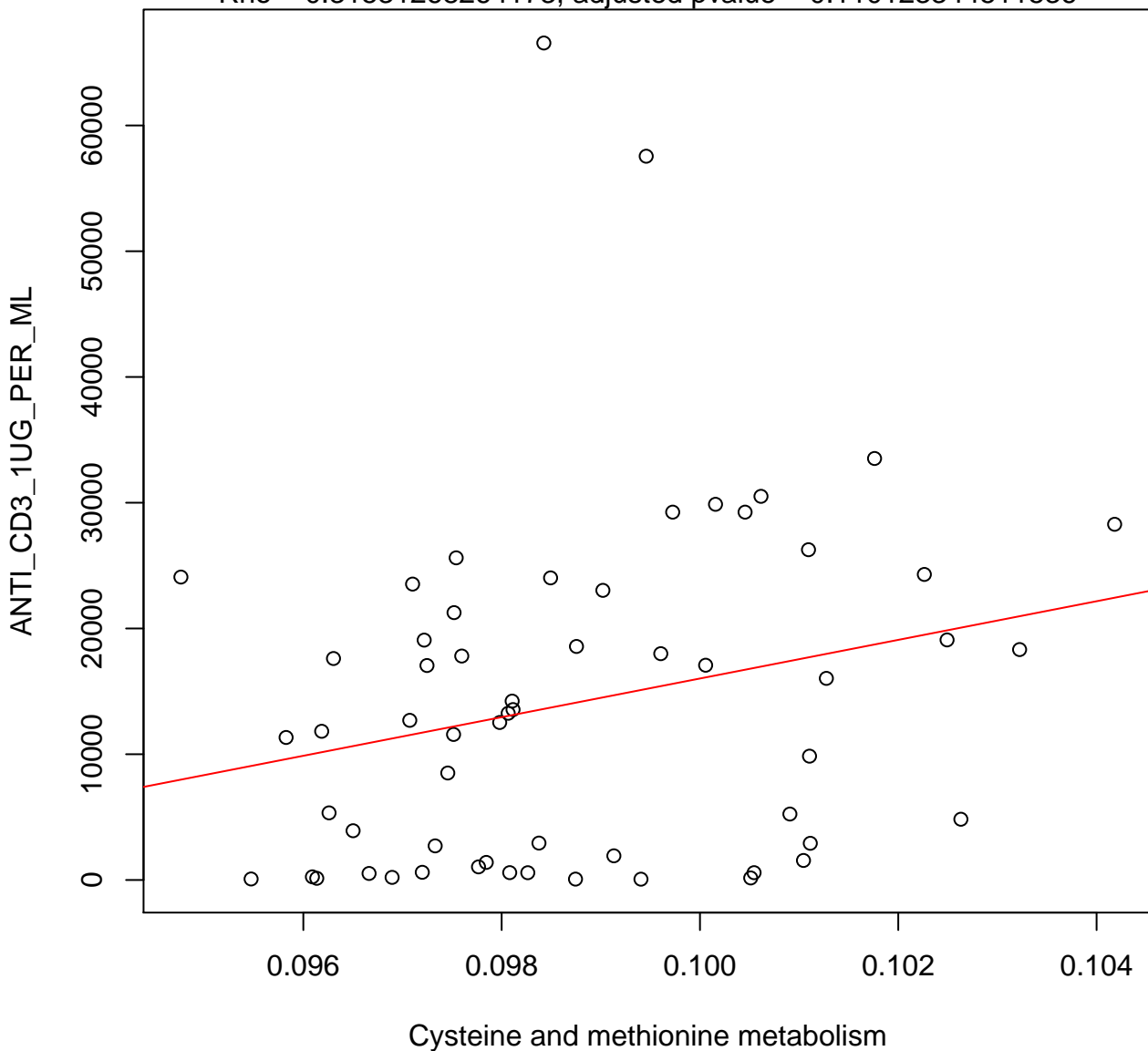
Time 1, ANTI_CD3_1UG_PER_ML ~ Butanoate metabolism

Rho = -0.314786674459381 , adjusted pvalue = 0.110123344511536



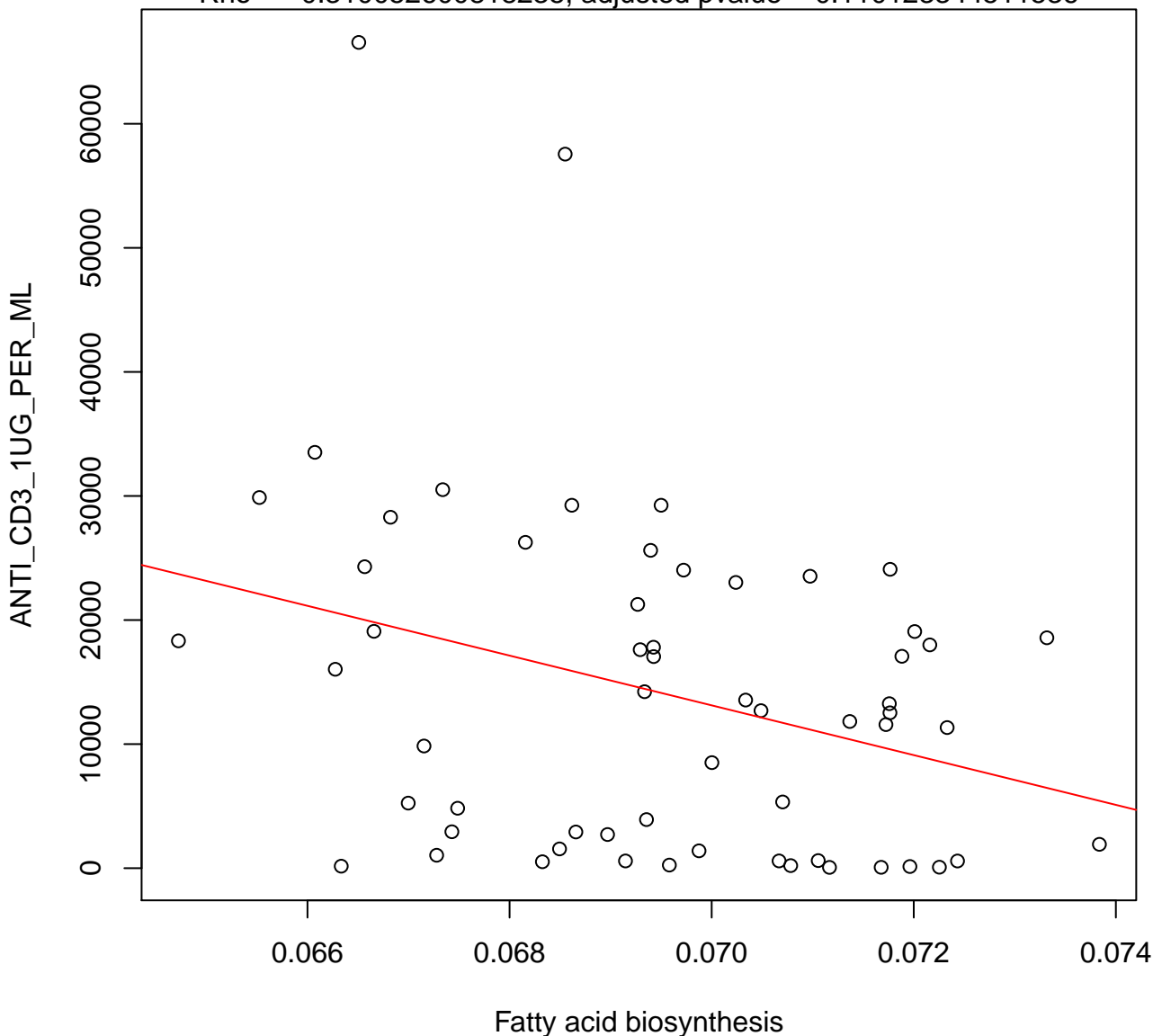
Time 1, ANTI_CD3_1UG_PER_ML ~ Cysteine and methionine metabolism

Rho = 0.31531268264173, adjusted pvalue = 0.110123344511536



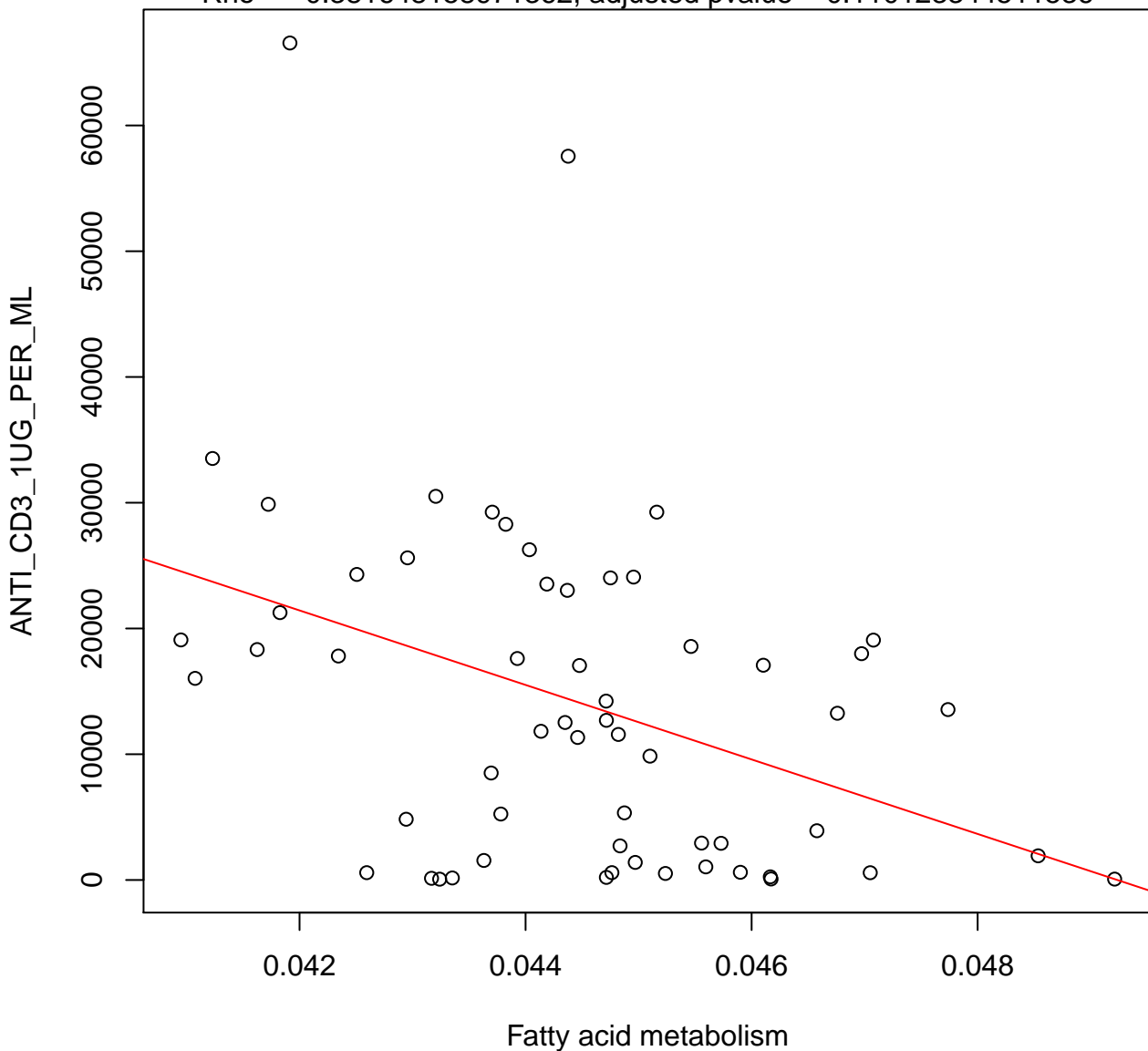
Time 1, ANTI_CD3_1UG_PER_ML ~ Fatty acid biosynthesis

Rho = -0.310052600818235 , adjusted pvalue = 0.110123344511536



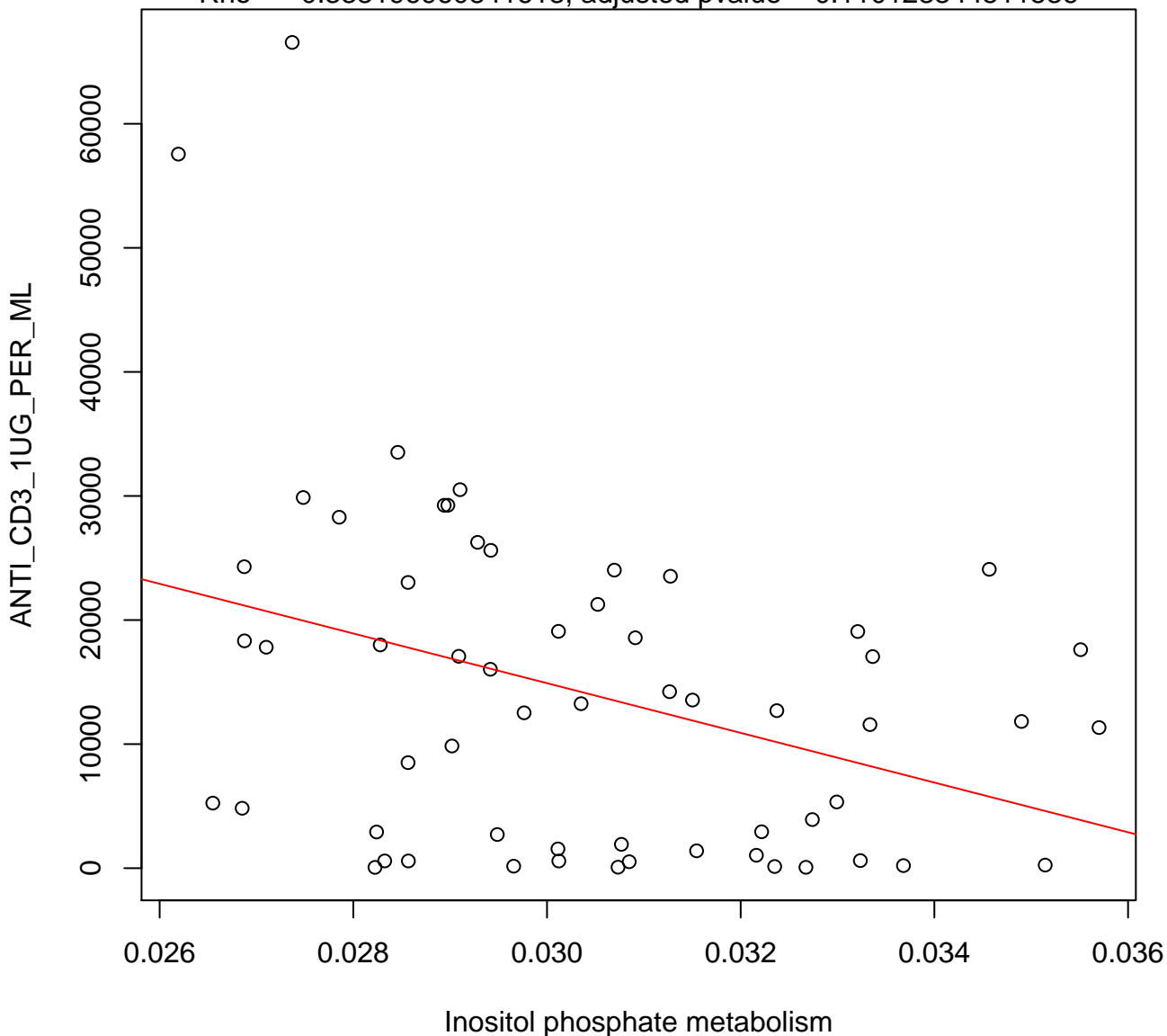
Time 1, ANTI_CD3_1UG_PER_ML ~ Fatty acid metabolism

Rho = -0.381648158971362 , adjusted pvalue = 0.110123344511536



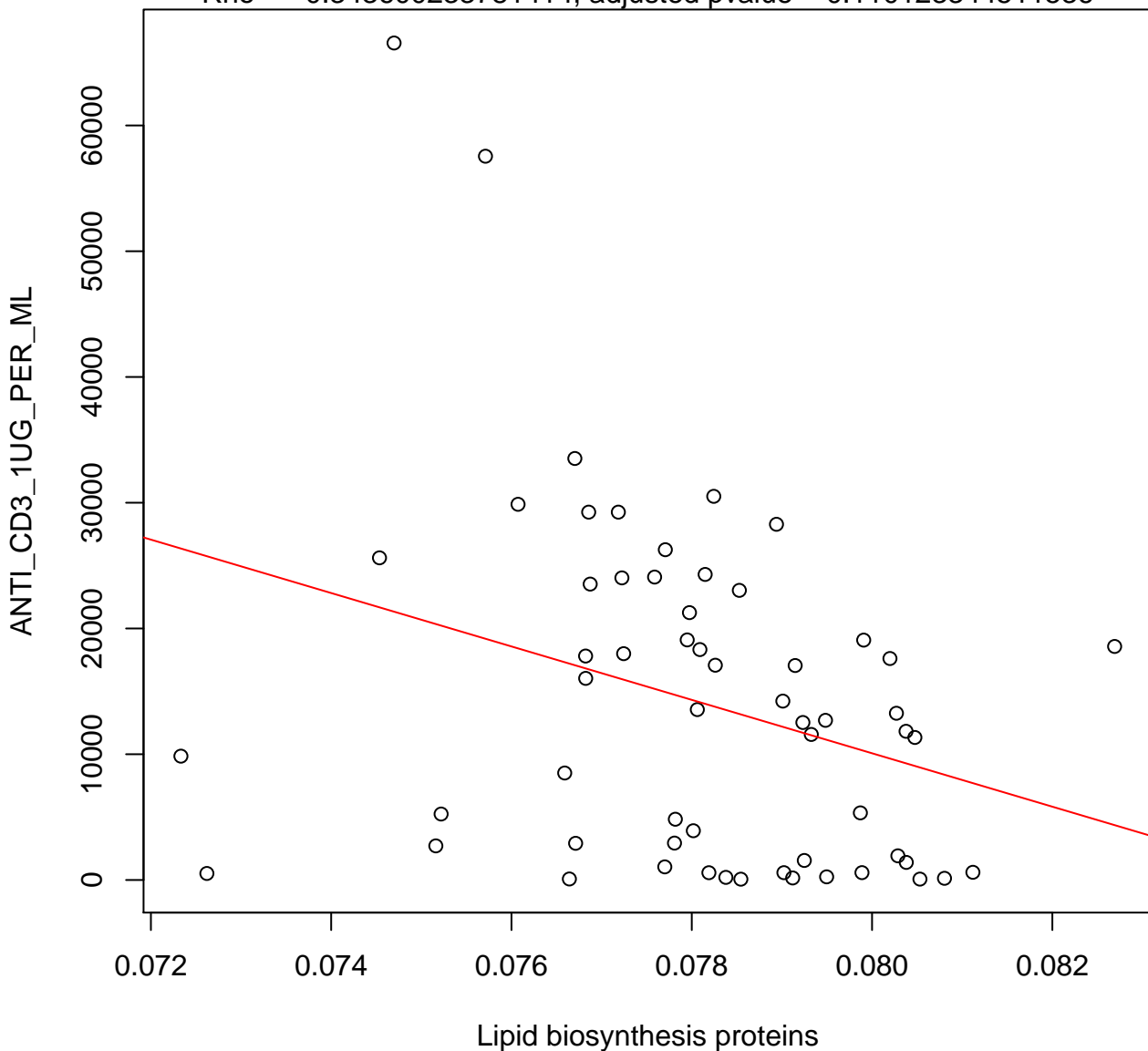
Time 1, ANTI_CD3_1UG_PER_ML ~ Inositol phosphate metabolism

Rho = -0.333196960841613 , adjusted pvalue = 0.110123344511536



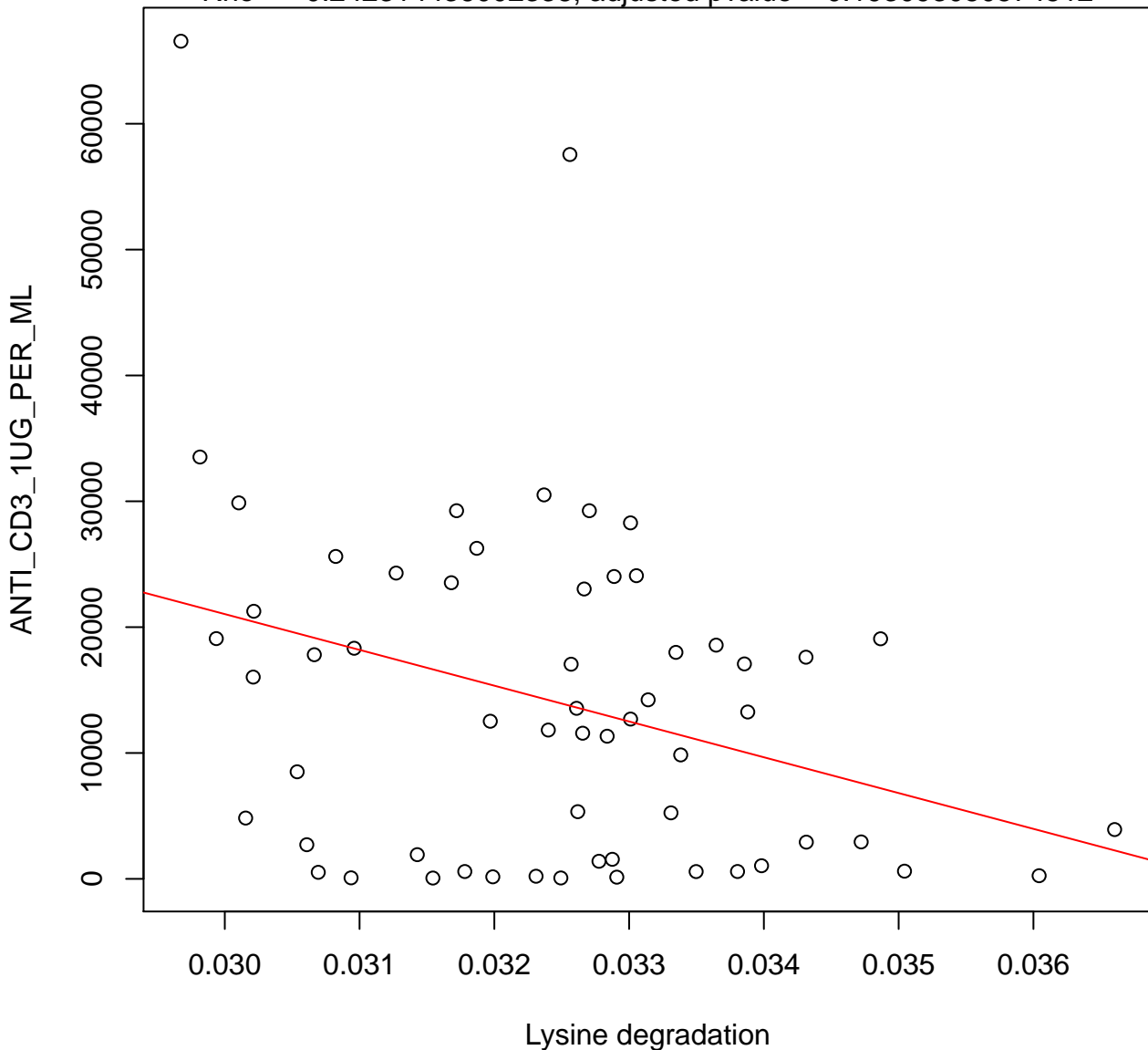
Time 1, ANTI_CD3_1UG_PER_ML ~ Lipid biosynthesis proteins

Rho = -0.343600233781414 , adjusted pvalue = 0.110123344511536



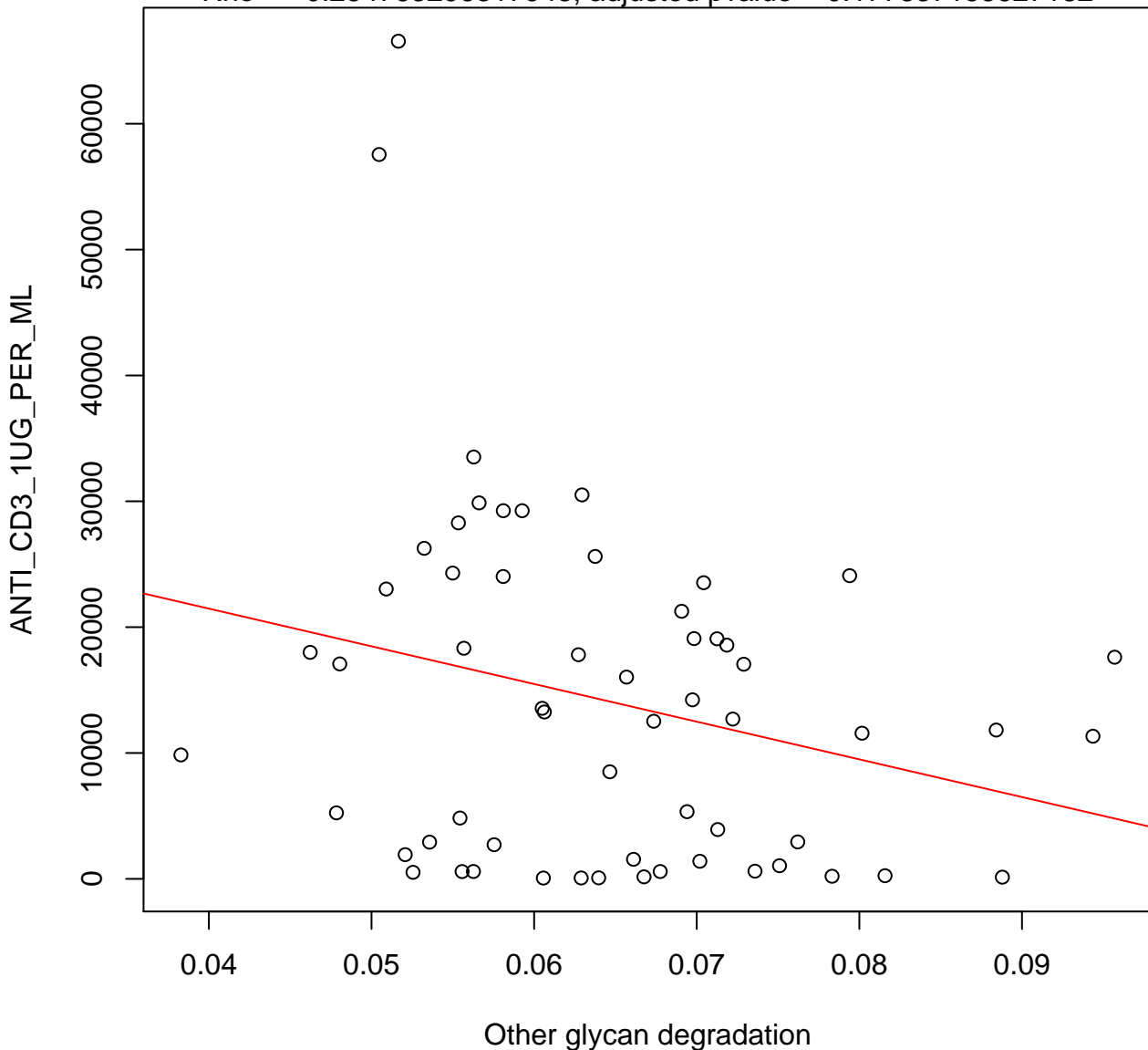
Time 1, ANTI_CD3_1UG_PER_ML ~ Lysine degradation

Rho = -0.242314436002338 , adjusted pvalue = 0.193093050574512



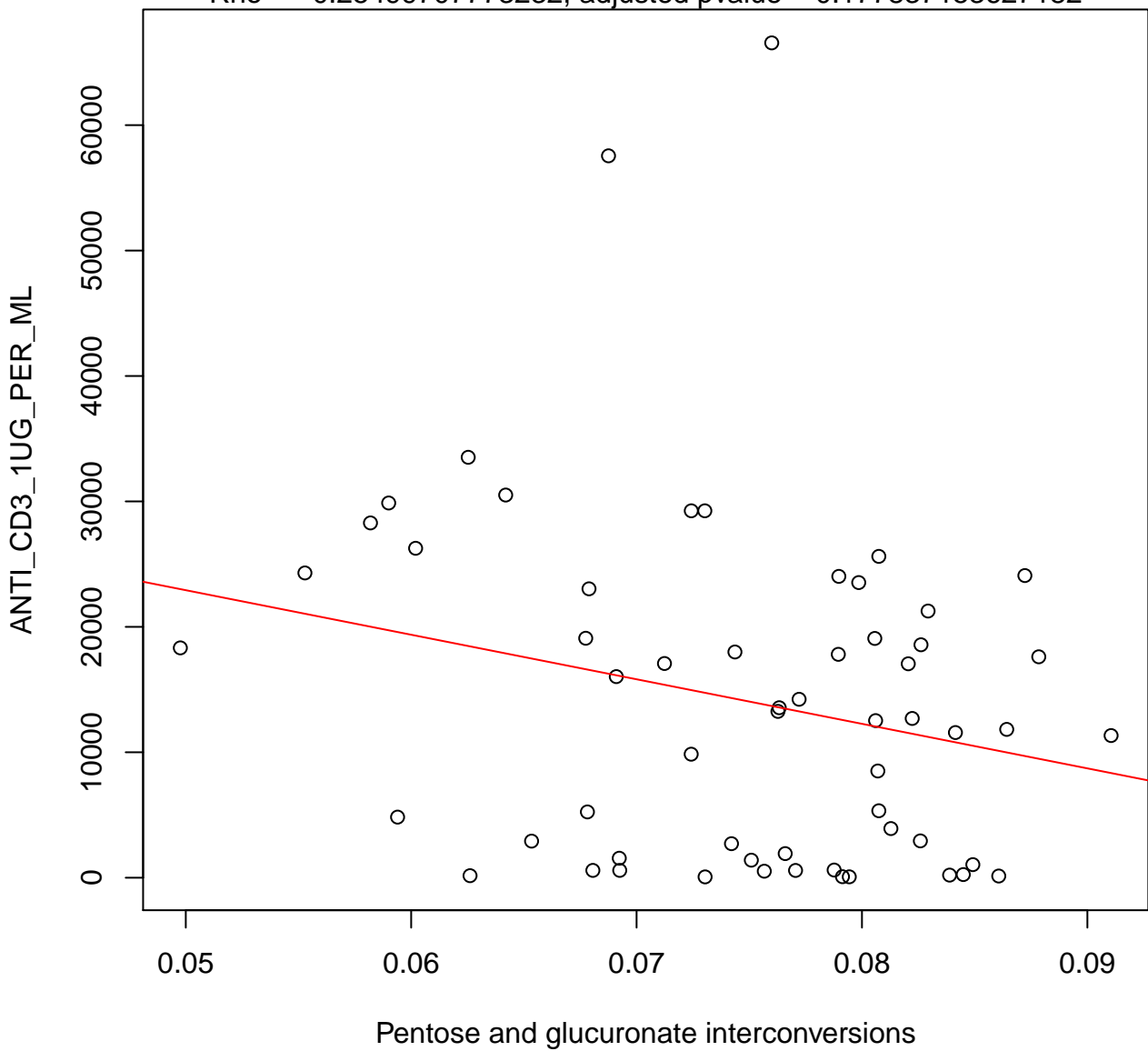
Time 1, ANTI_CD3_1UG_PER_ML ~ Other glycan degradation

Rho = -0.254763296317943, adjusted pvalue = 0.177837153627182



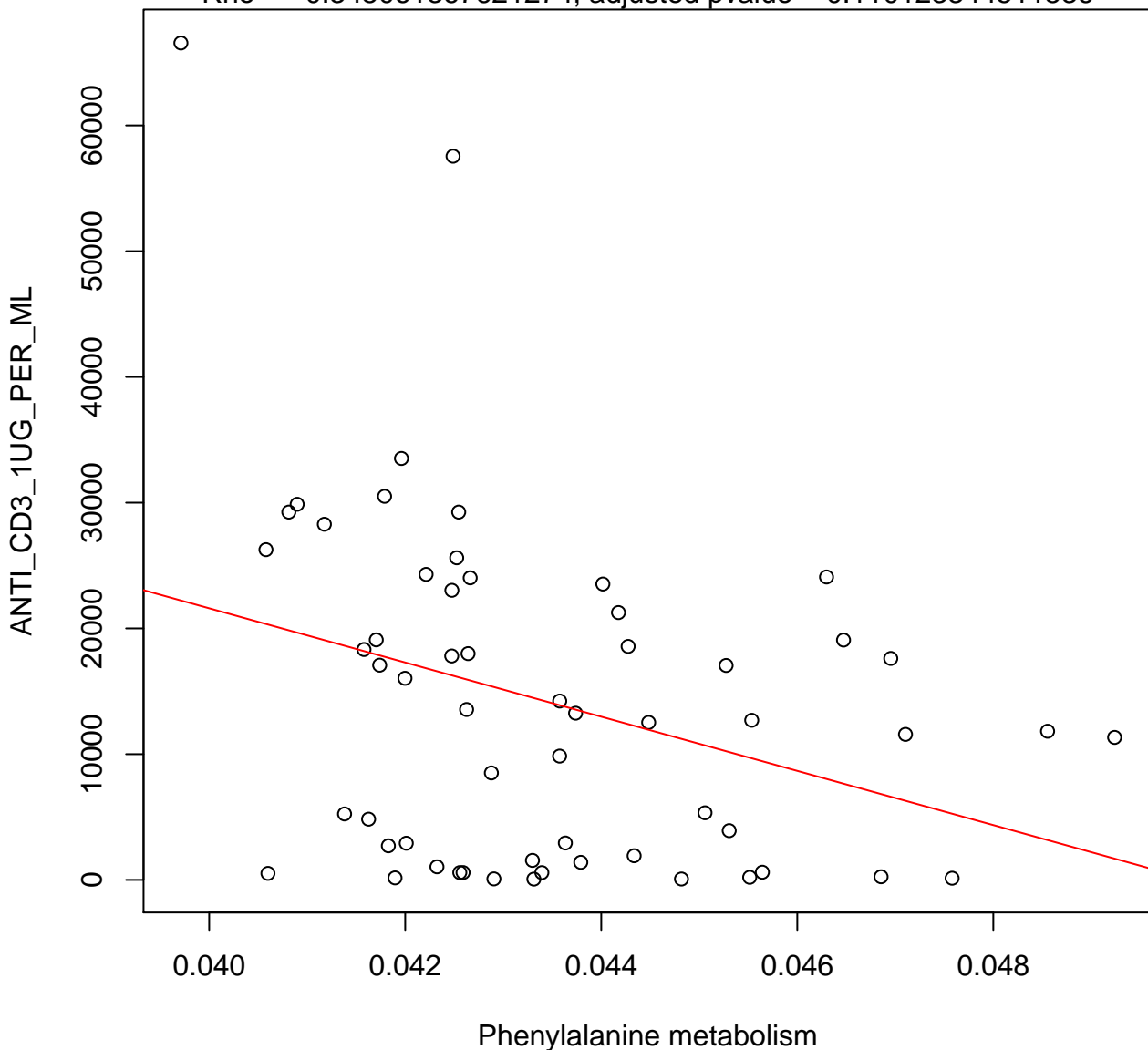
Time 1, ANTI_CD3_1UG_PER_ML ~ Pentose and glucuronate interconversions

Rho = -0.25499707773232, adjusted pvalue = 0.177837153627182



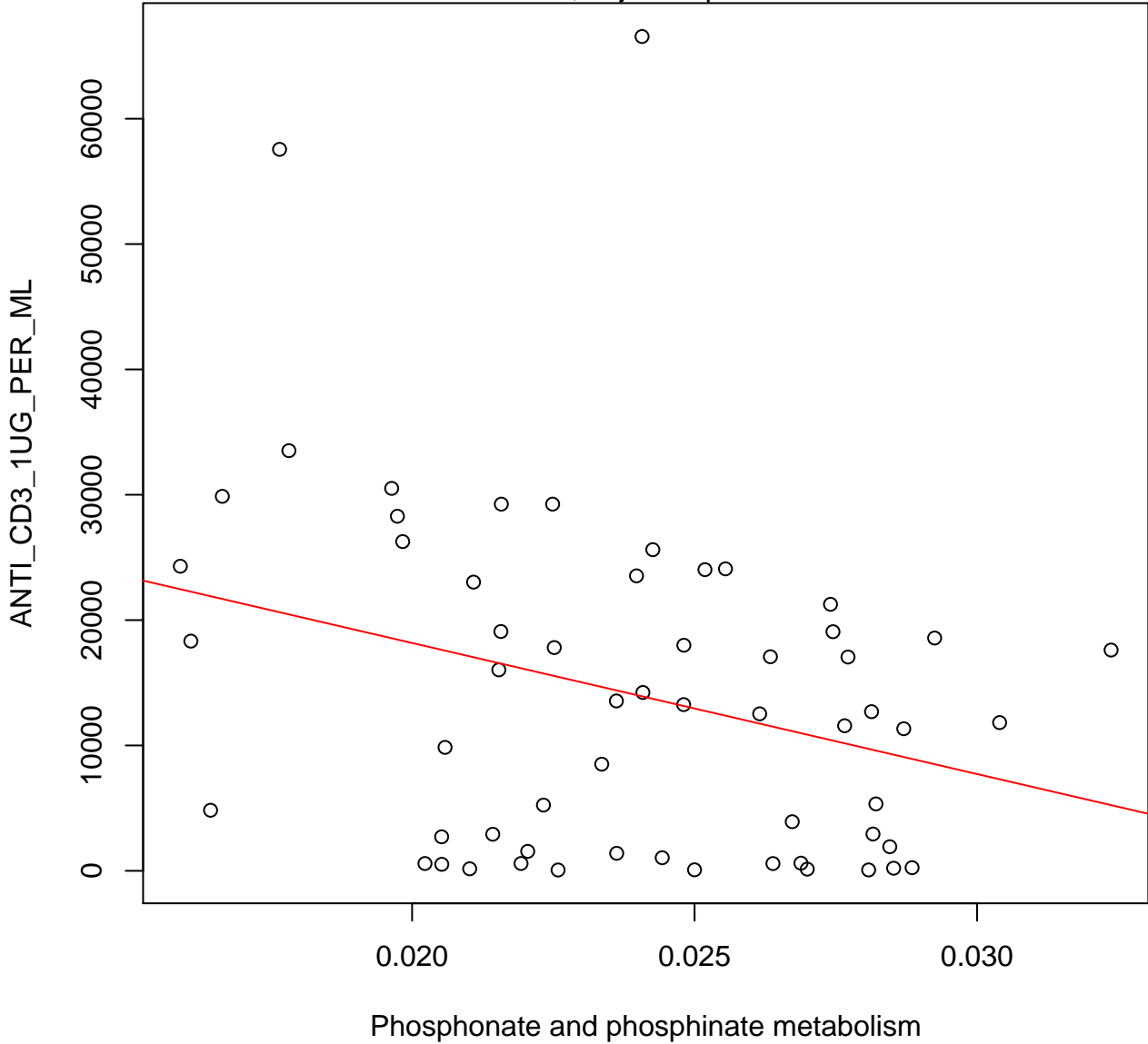
Time 1, ANTI_CD3_1UG_PER_ML ~ Phenylalanine metabolism

Rho = -0.345061367621274 , adjusted pvalue = 0.110123344511536



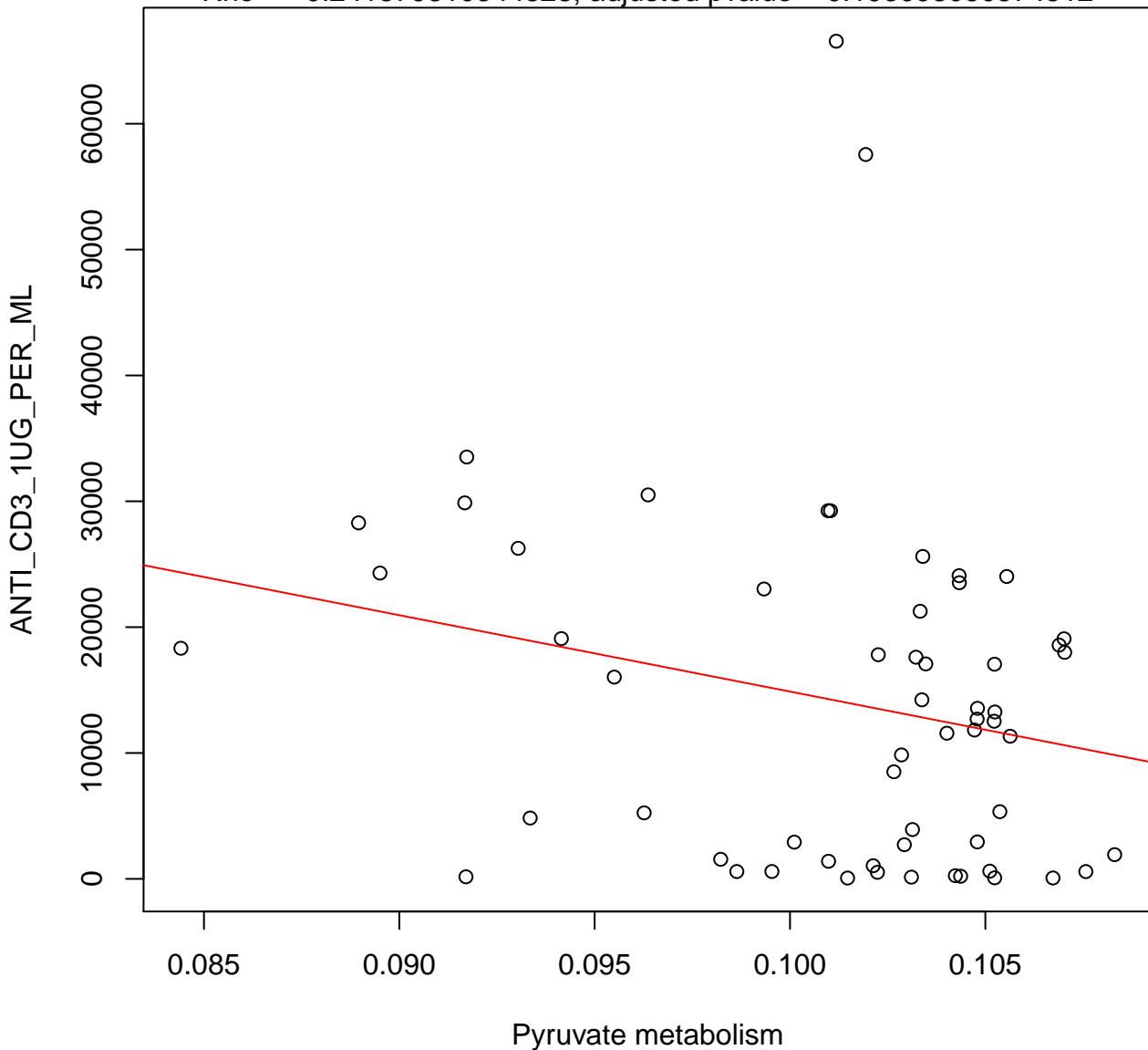
Time 1, ANTI_CD3_1UG_PER_ML ~ Phosphonate and phosphinate metabolism

Rho = -0.299883109292811, adjusted pvalue = 0.117735990279654



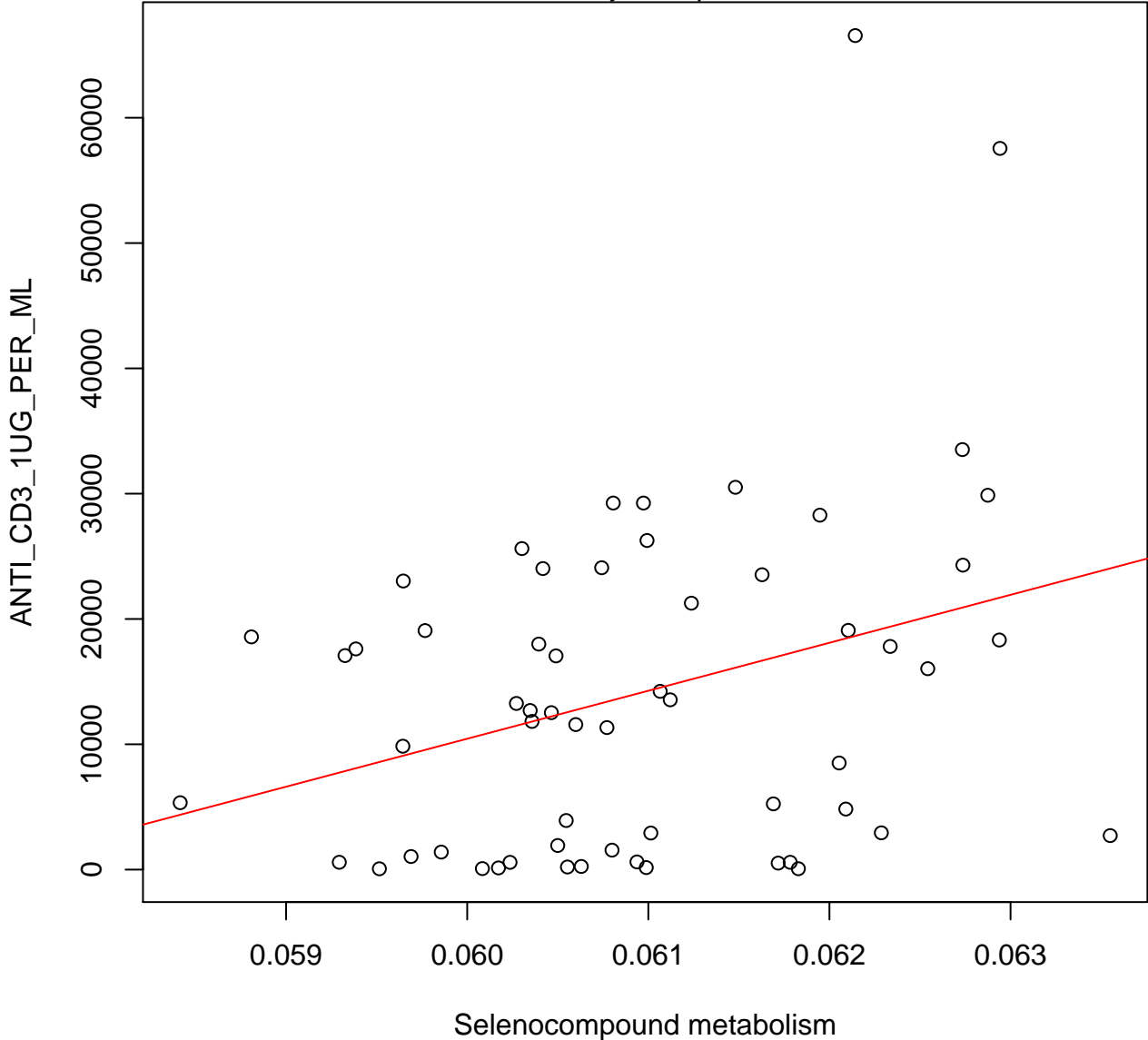
Time 1, ANTI_CD3_1UG_PER_ML ~ Pyruvate metabolism

Rho = -0.241379310344828 , adjusted pvalue = 0.193093050574512



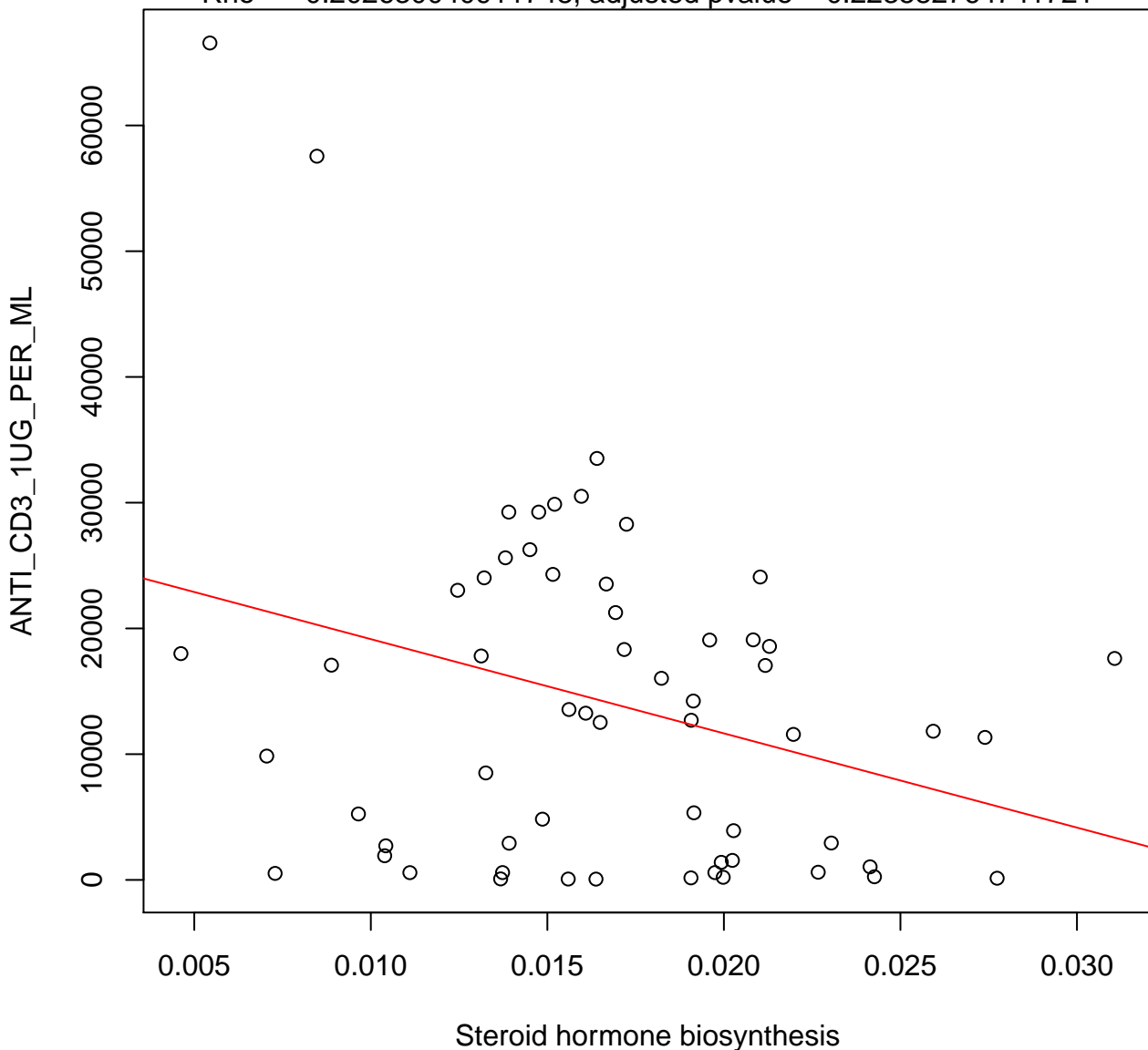
Time 1, ANTI_CD3_1UG_PER_ML ~ Selenocompound metabolism

Rho = 0.286849795441262, adjusted pvalue = 0.140586867159424



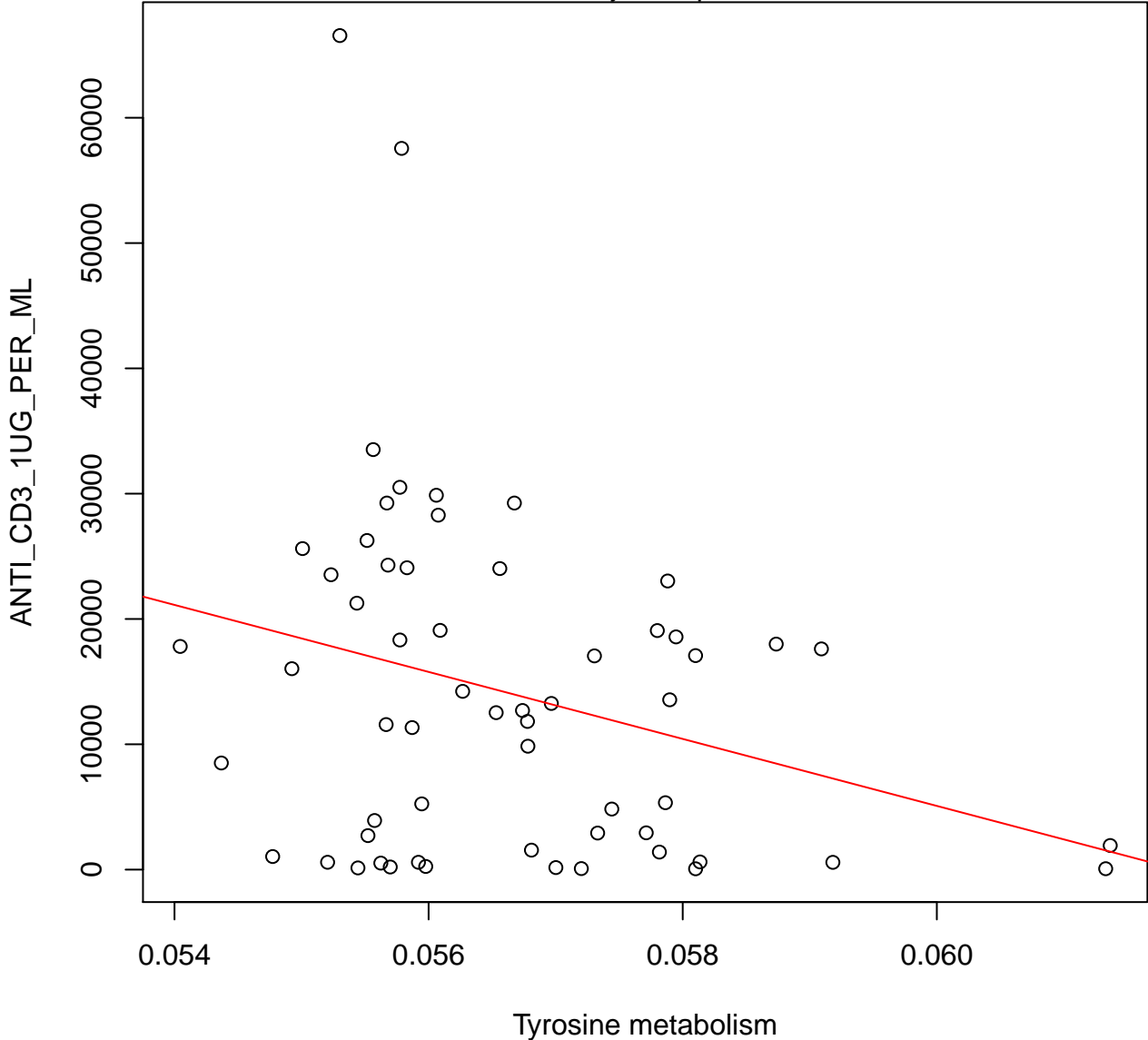
Time 1, ANTI_CD3_1UG_PER_ML ~ Steroid hormone biosynthesis

Rho = -0.202630040911748 , adjusted pvalue = 0.223582764741721



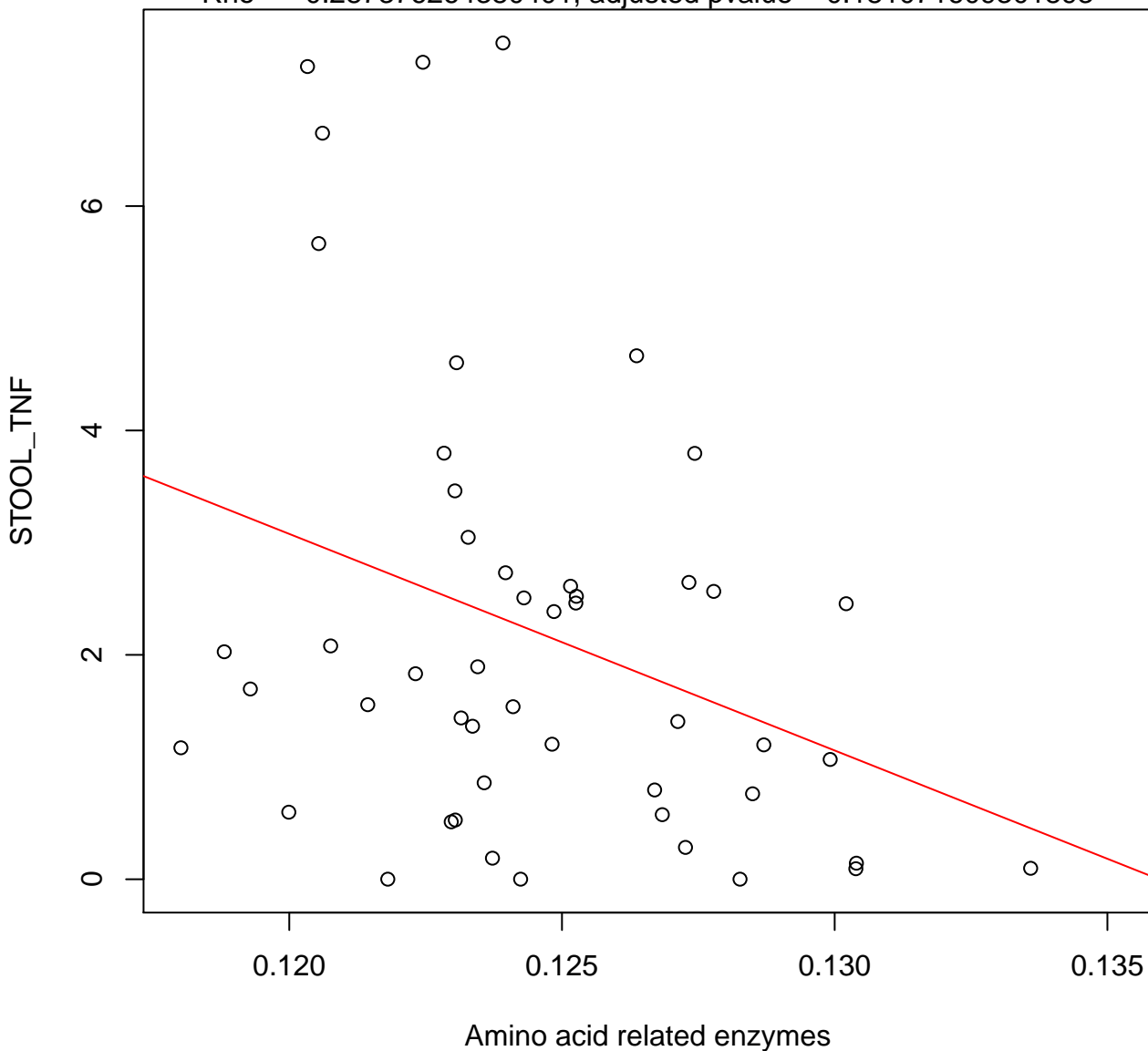
Time 1, ANTI_CD3_1UG_PER_ML ~ Tyrosine metabolism

Rho = -0.25499707773232 , adjusted pvalue = 0.177837153627182



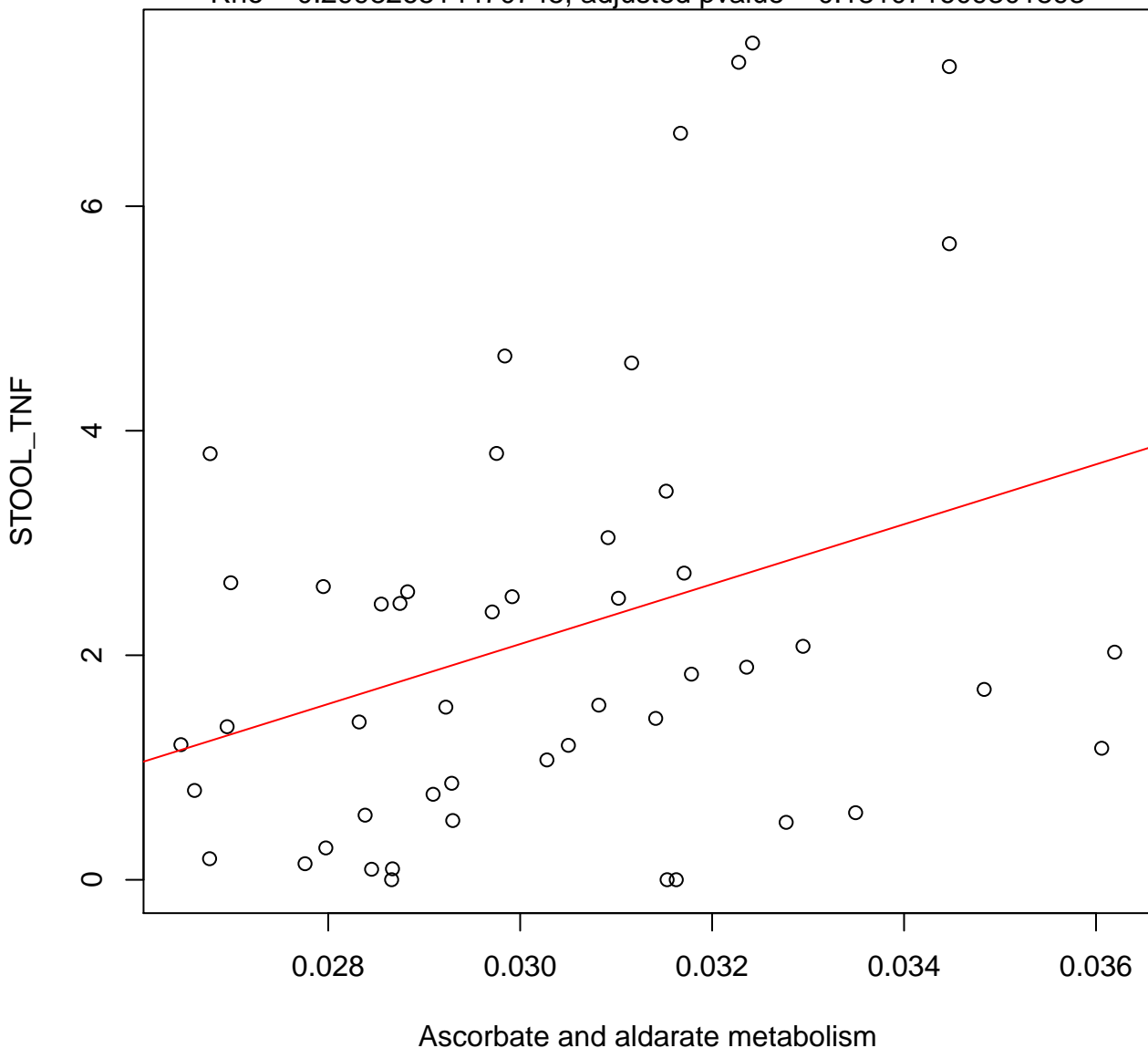
Time 1, STOOI_TNF ~ Amino acid related enzymes

Rho = -0.287376264380401, adjusted pvalue = 0.181071609301893



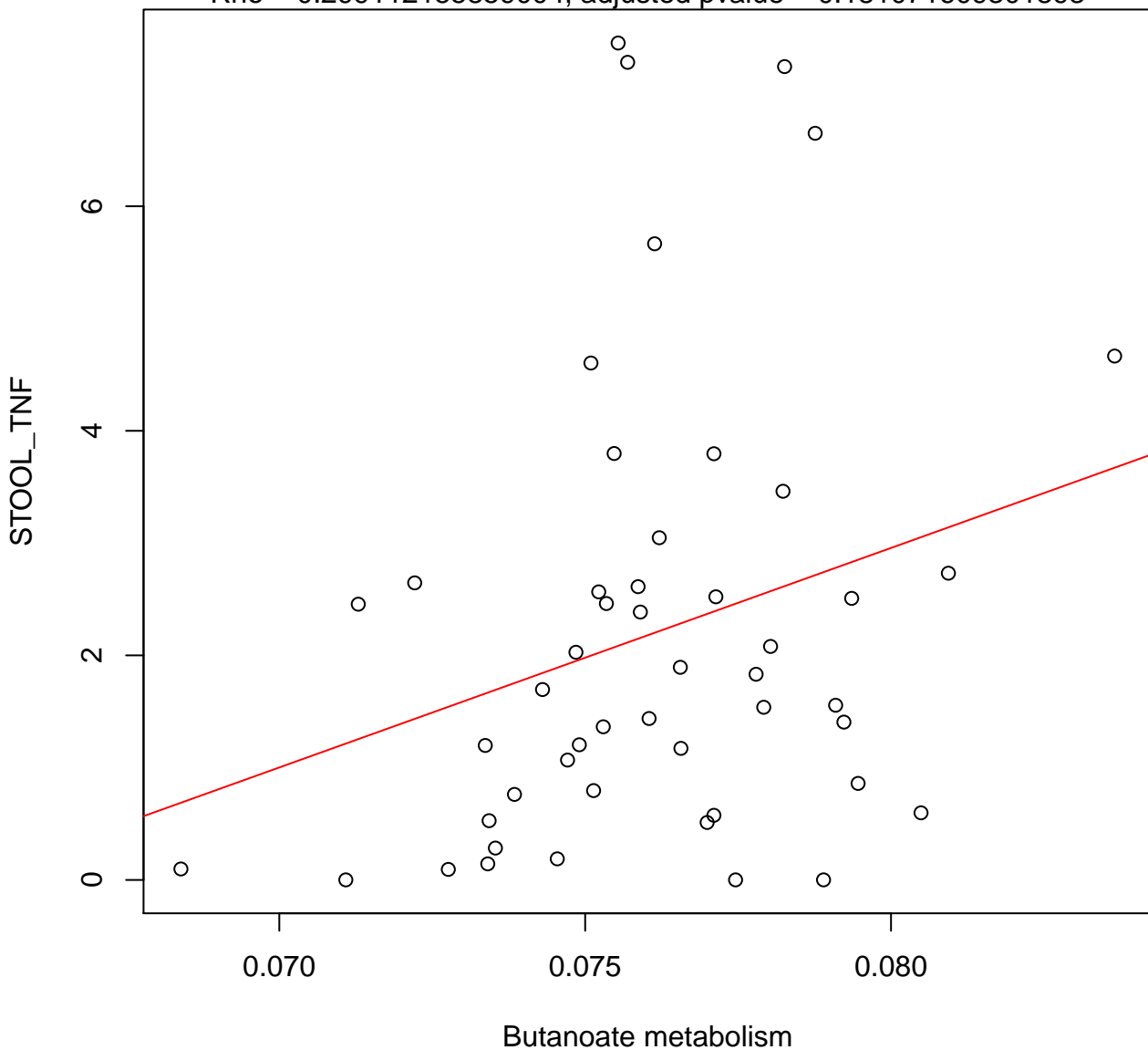
Time 1, STOOI_TNF ~ Ascorbate and aldarate metabolism

Rho = 0.299826514470745, adjusted pvalue = 0.181071609301893



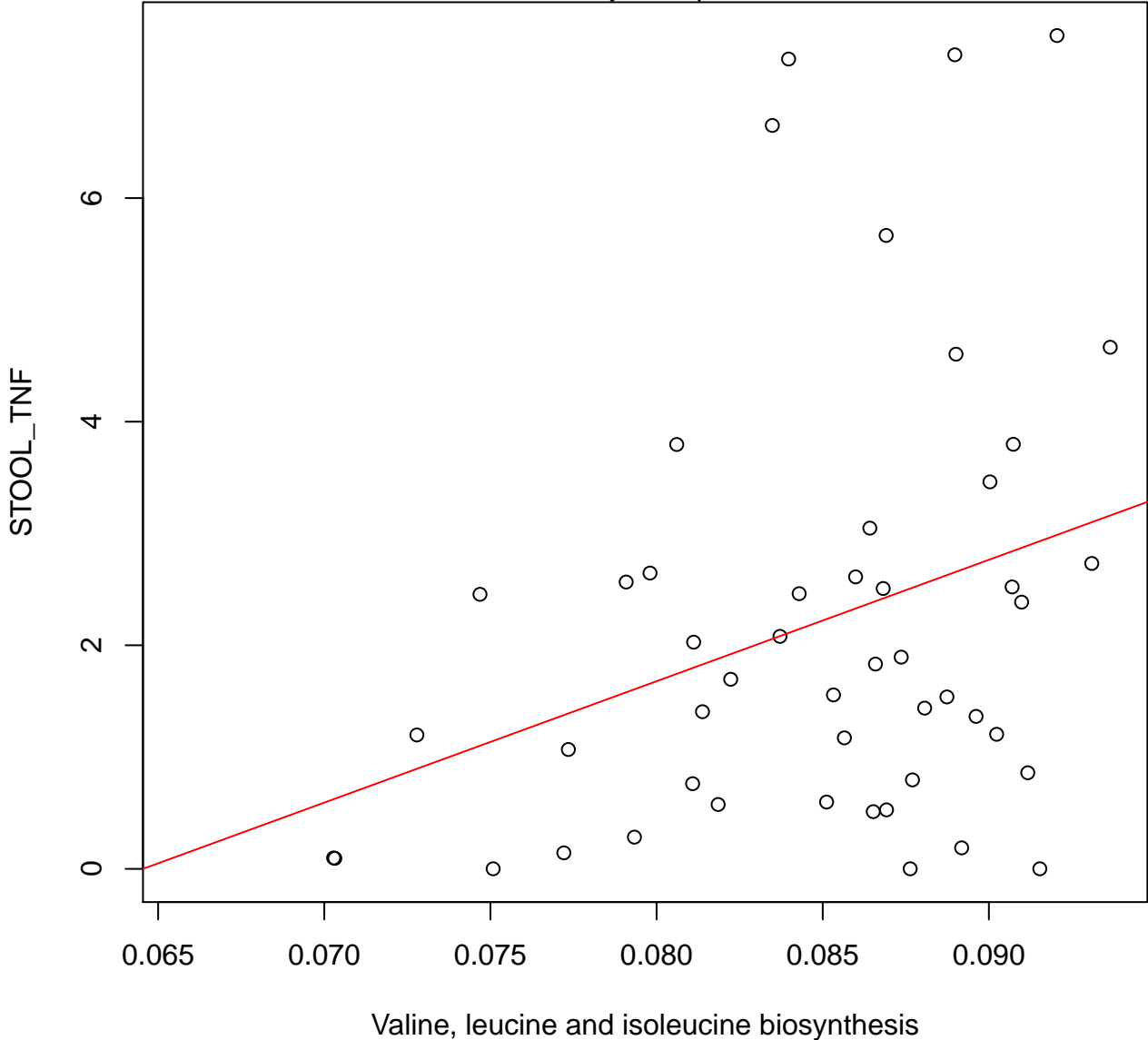
Time 1, STOOL_TNF ~ Butanoate metabolism

Rho = 0.299112155859004, adjusted pvalue = 0.181071609301893



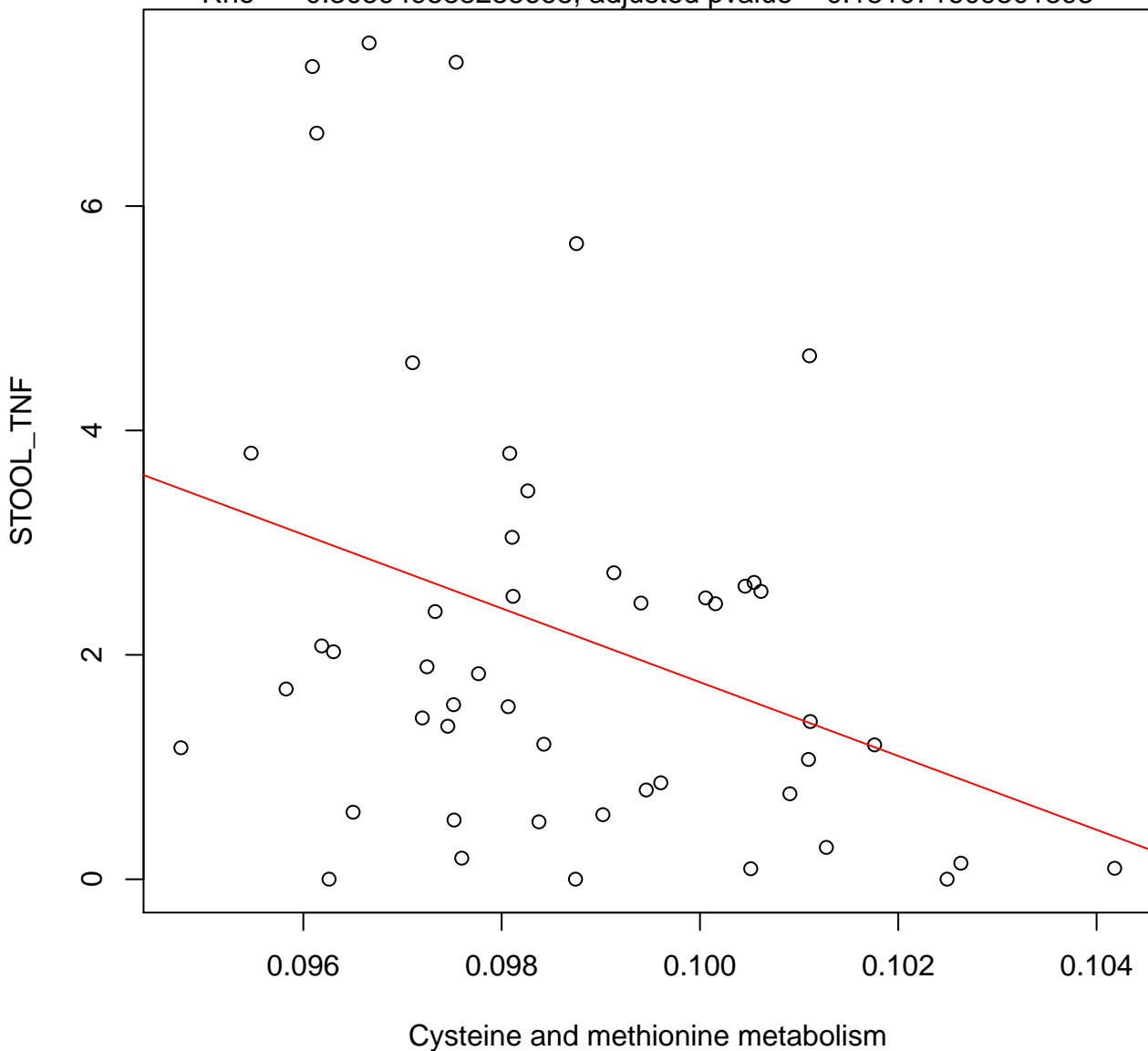
Time 1, STOOl_TNF ~ Valine, leucine and isoleucine biosynthesis

Rho = 0.291050108669355, adjusted pvalue = 0.181071609301893



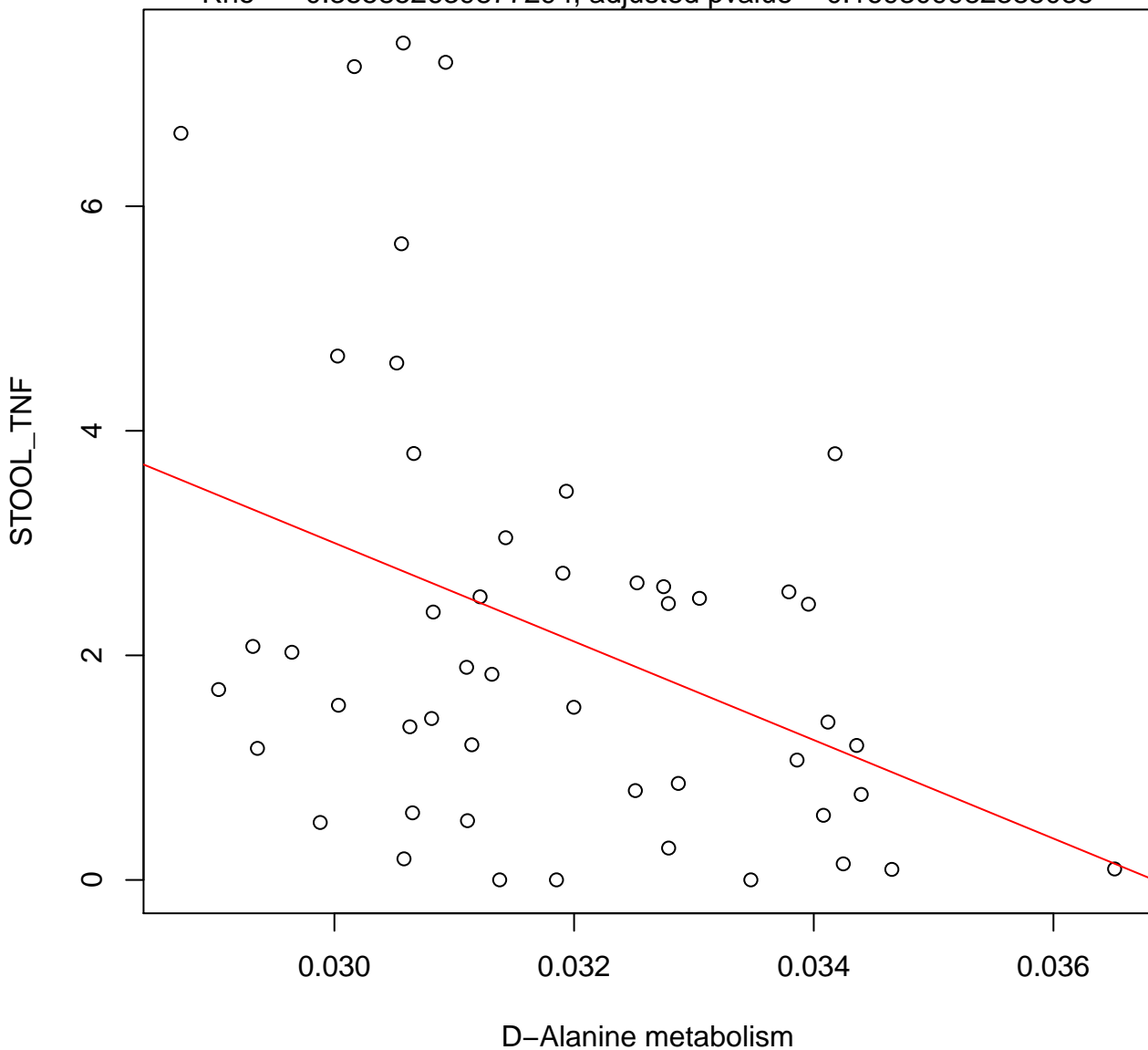
Time 1, STOOL_TNF ~ Cysteine and methionine metabolism

Rho = -0.305949588285668 , adjusted pvalue = 0.181071609301893



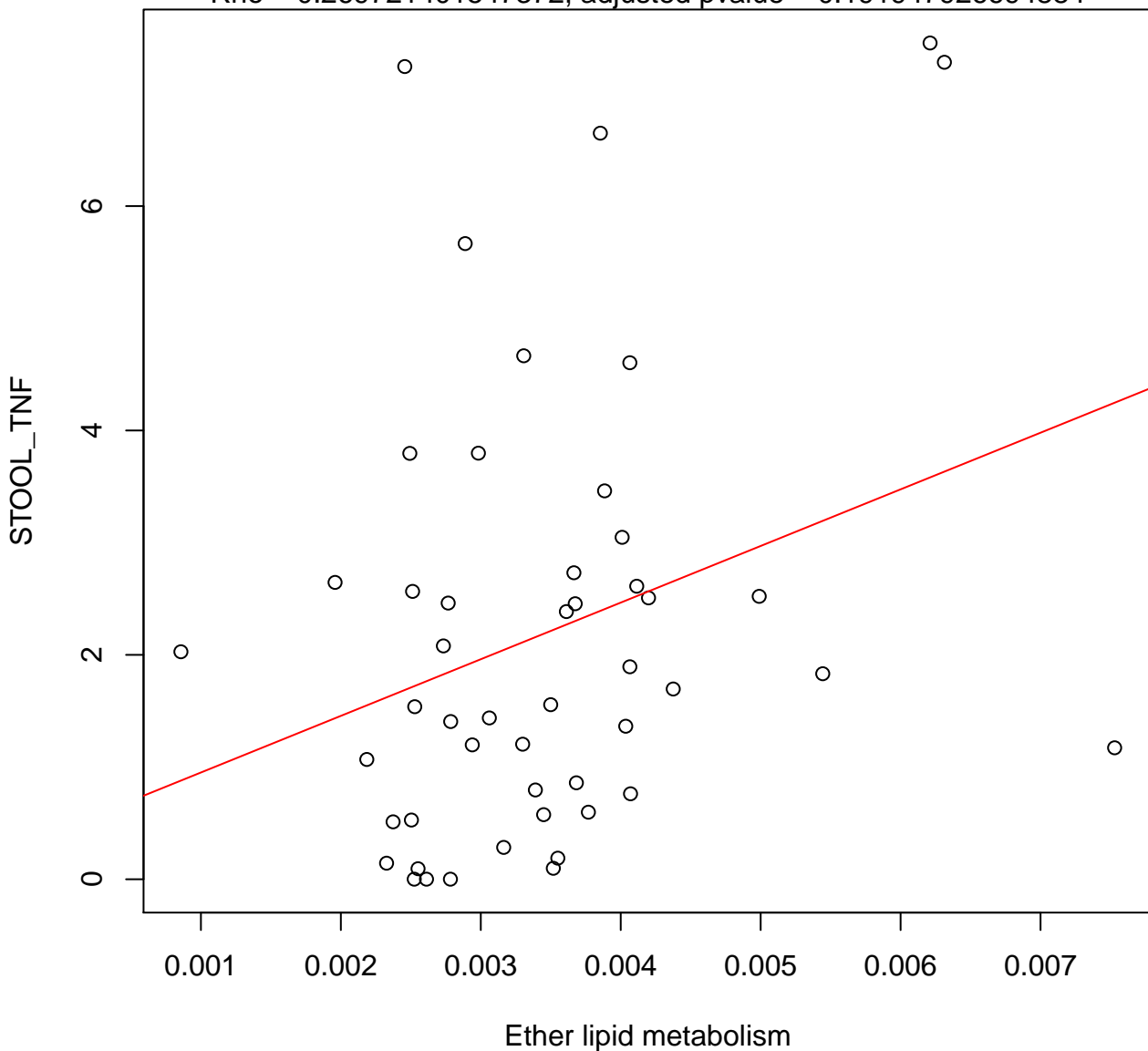
Time 1, STOOL_TNF ~ D-Alanine metabolism

Rho = -0.355852639877294 , adjusted pvalue = 0.169309982385035



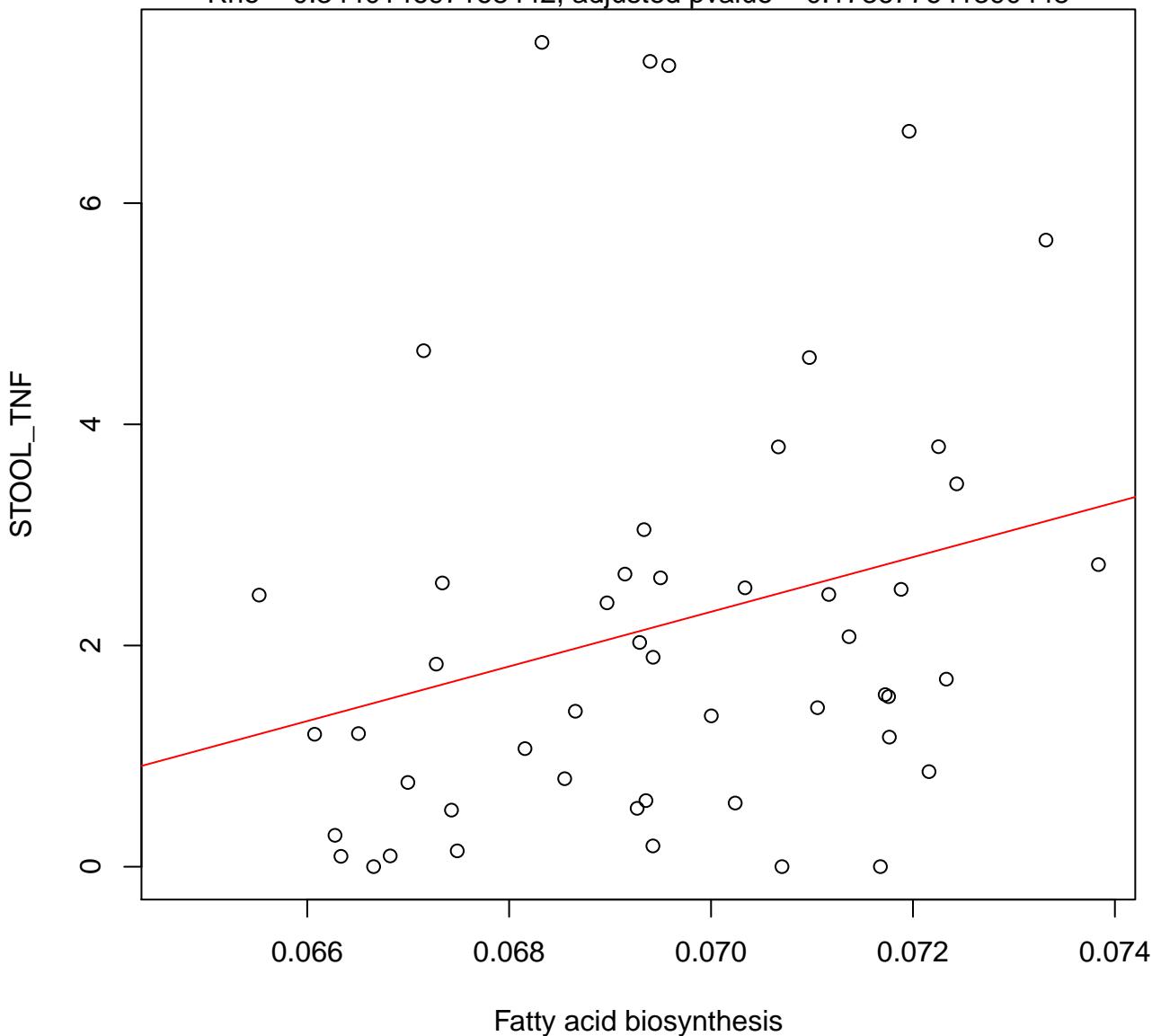
Time 1, STOOL_TNF ~ Ether lipid metabolism

Rho = 0.269721401547372, adjusted pvalue = 0.191947926694884



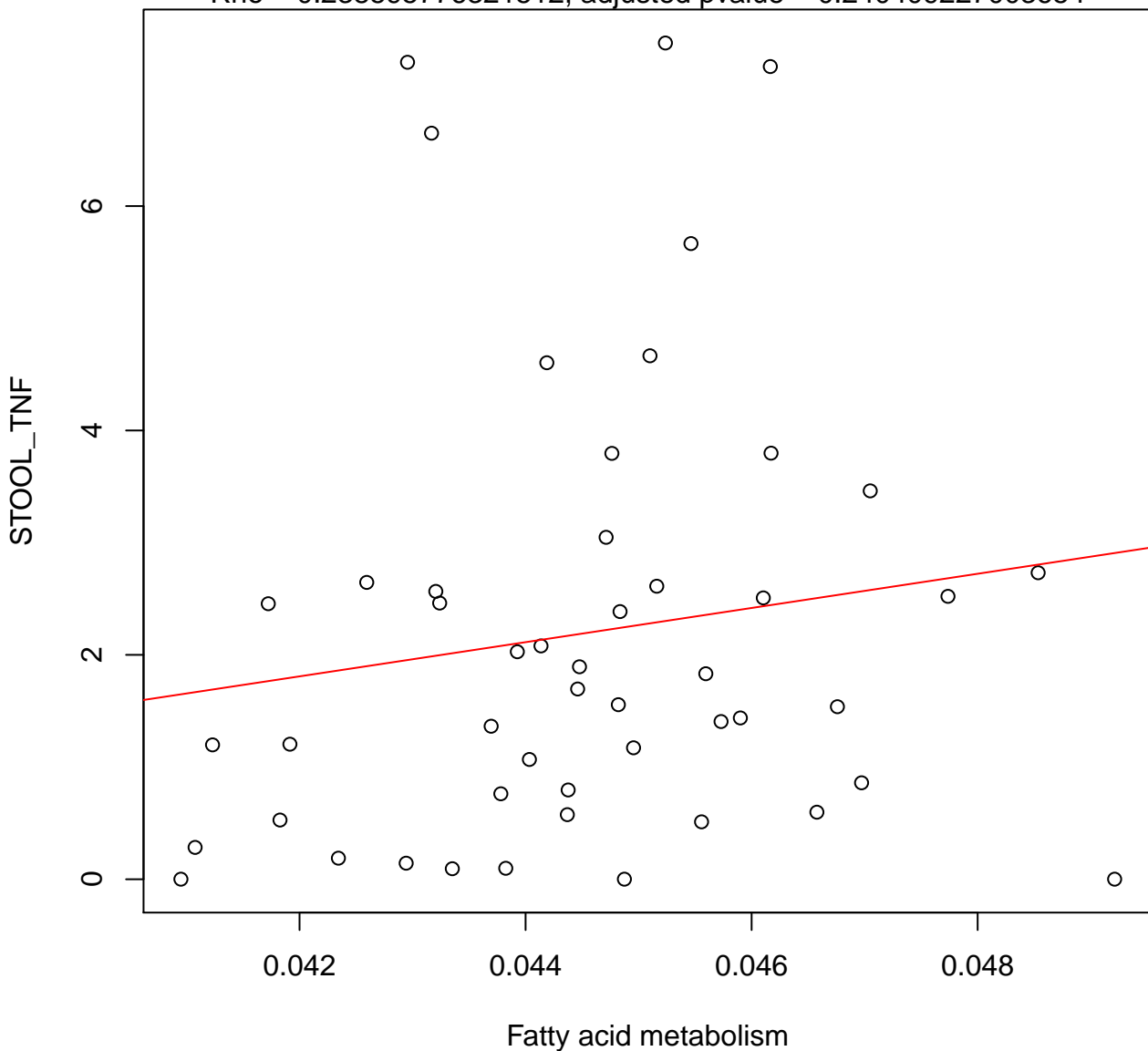
Time 1, STOOL_TNF ~ Fatty acid biosynthesis

Rho = 0.344014697168442, adjusted pvalue = 0.173677641390448



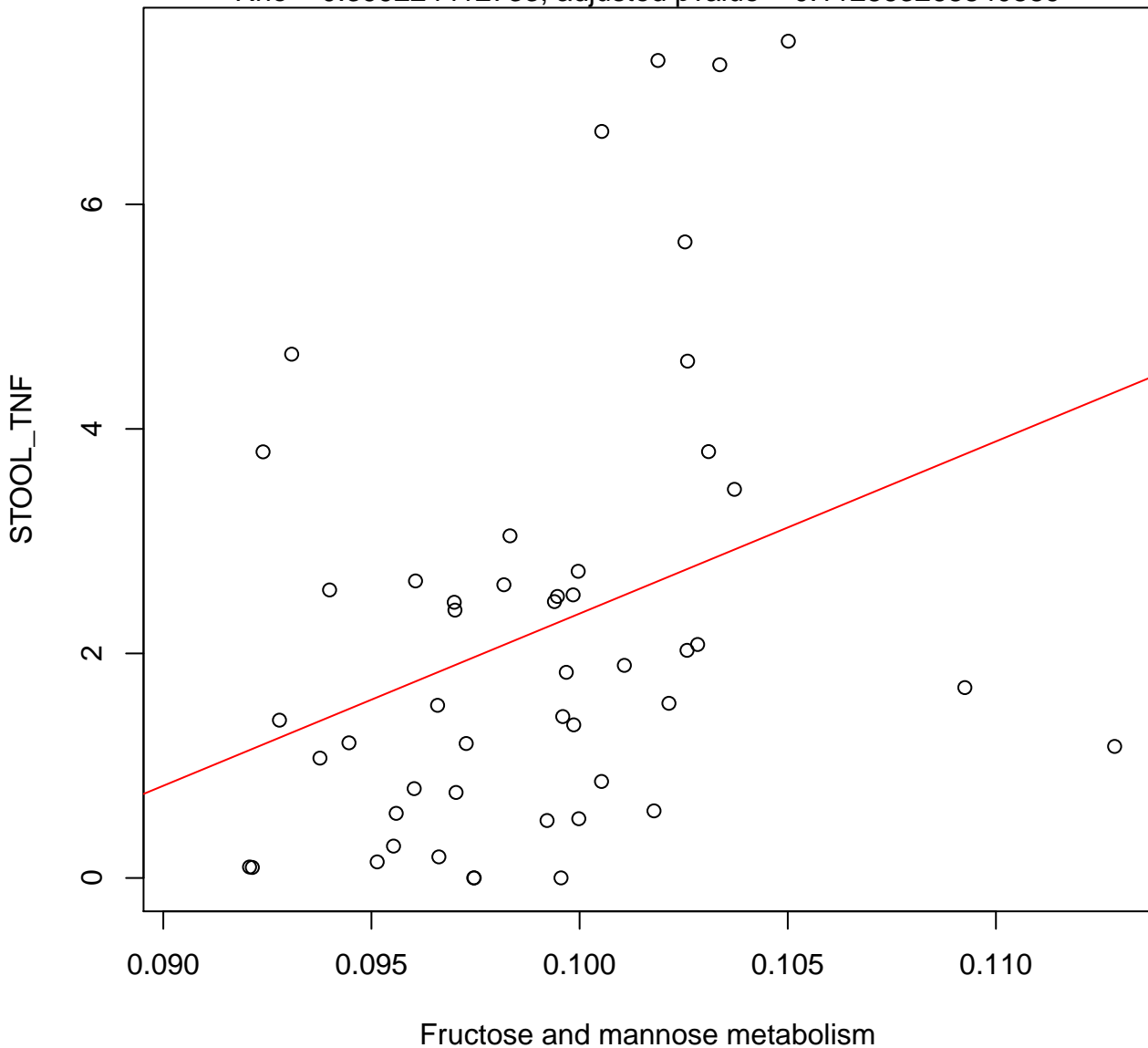
Time 1, STOOL_TNF ~ Fatty acid metabolism

Rho = 0.238595776321512, adjusted pvalue = 0.240409227003654



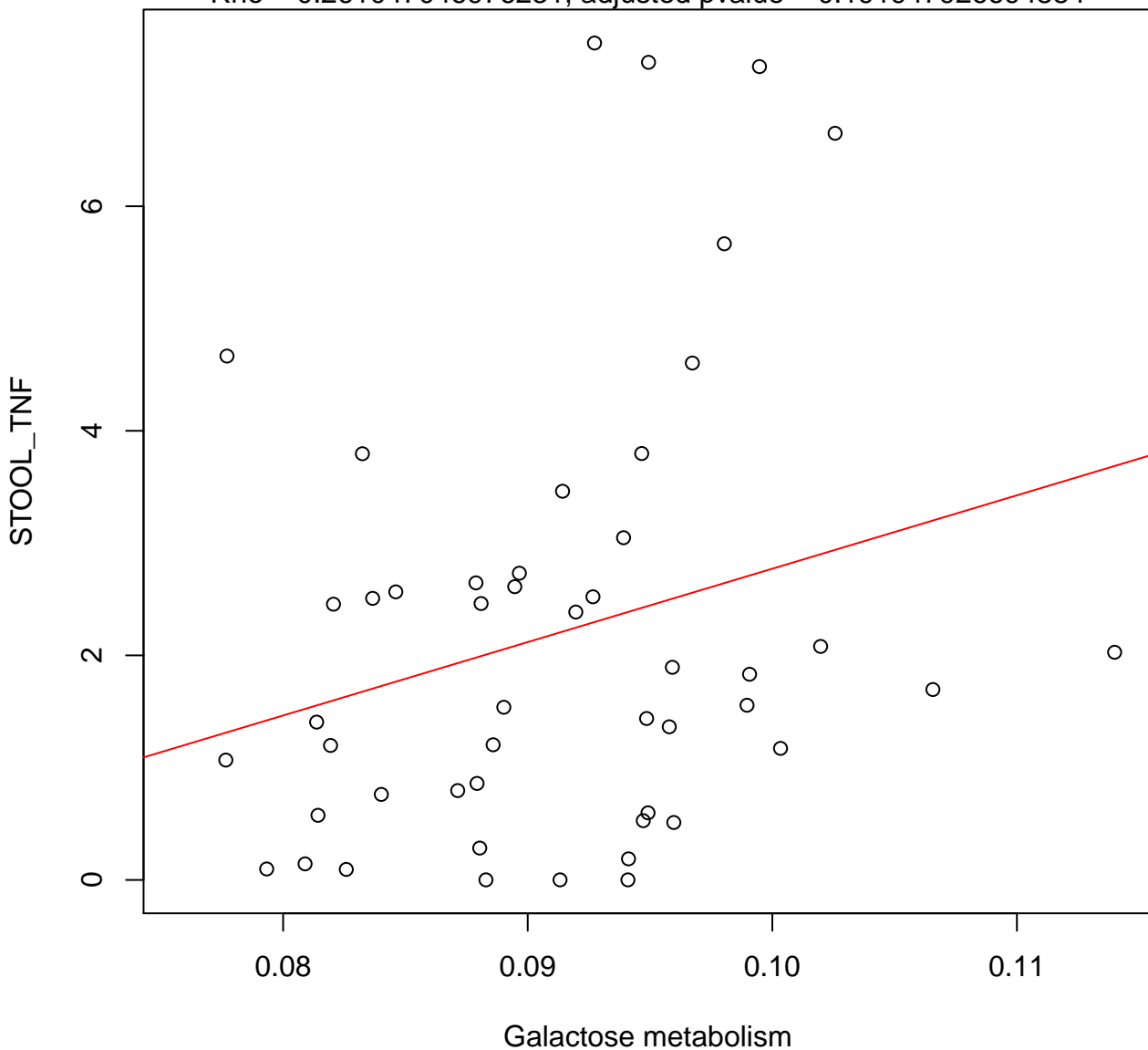
Time 1, STOOD_TNF ~ Fructose and mannose metabolism

Rho = 0.399224412733, adjusted pvalue = 0.112863268840889



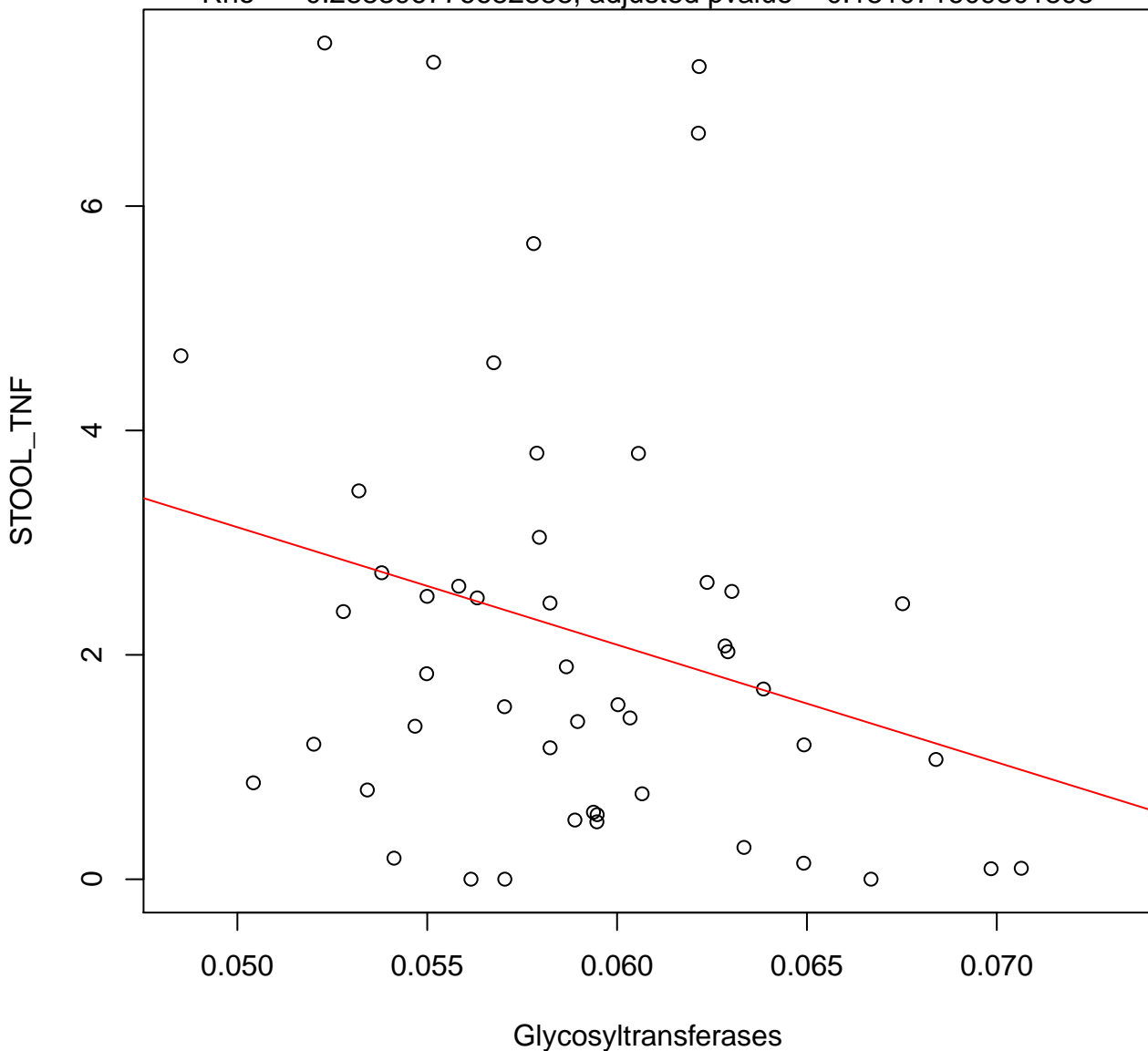
Time 1, STOOL_TNF ~ Galactose metabolism

Rho = 0.261047046976231, adjusted pvalue = 0.191947926694884



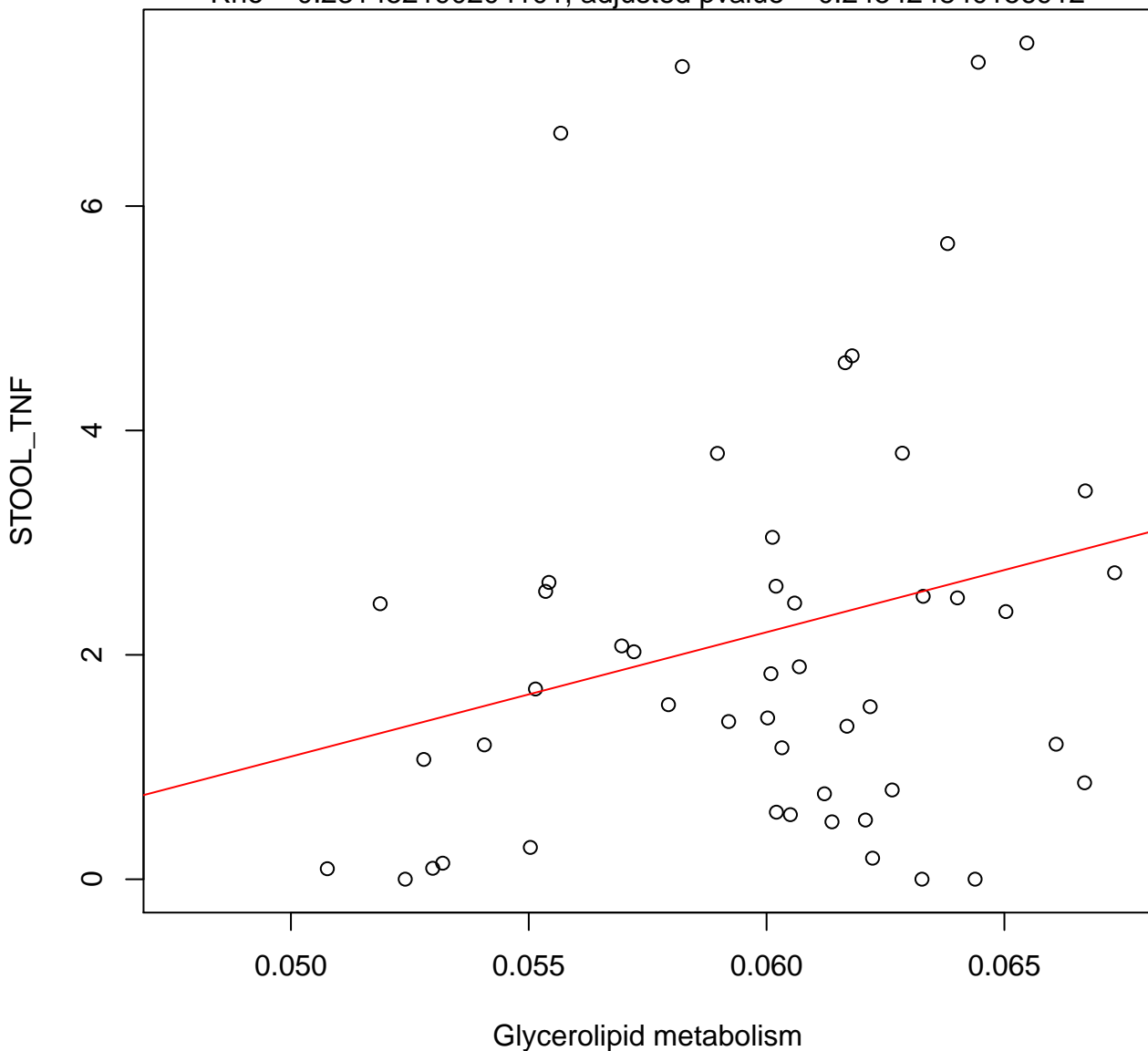
Time 1, STOOL_TNF ~ Glycosyltransferases

Rho = -0.288396776682888, adjusted pvalue = 0.181071609301893



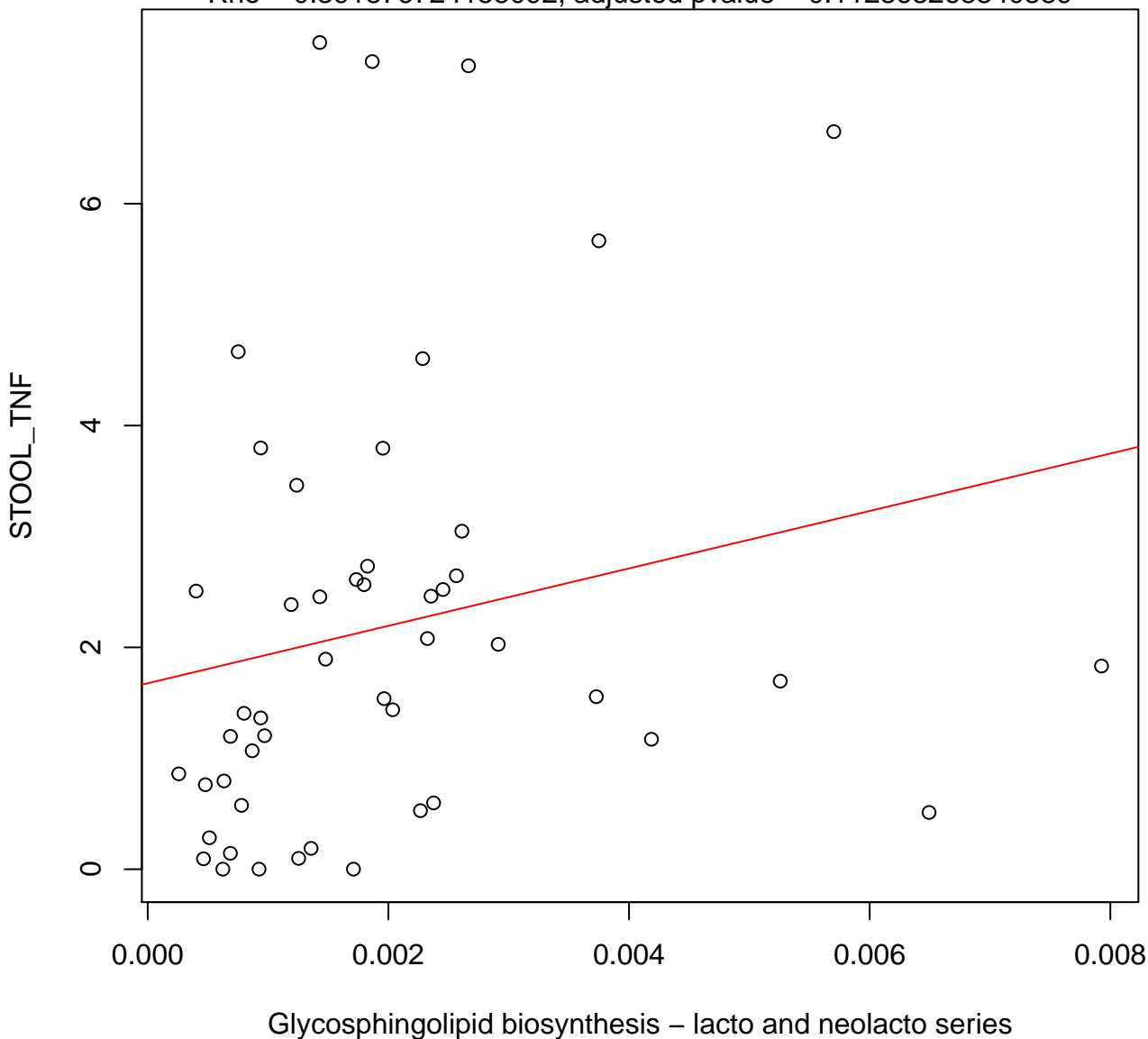
Time 1, STOOI_TNF ~ Glycerolipid metabolism

Rho = 0.231452190204101, adjusted pvalue = 0.245424840156912



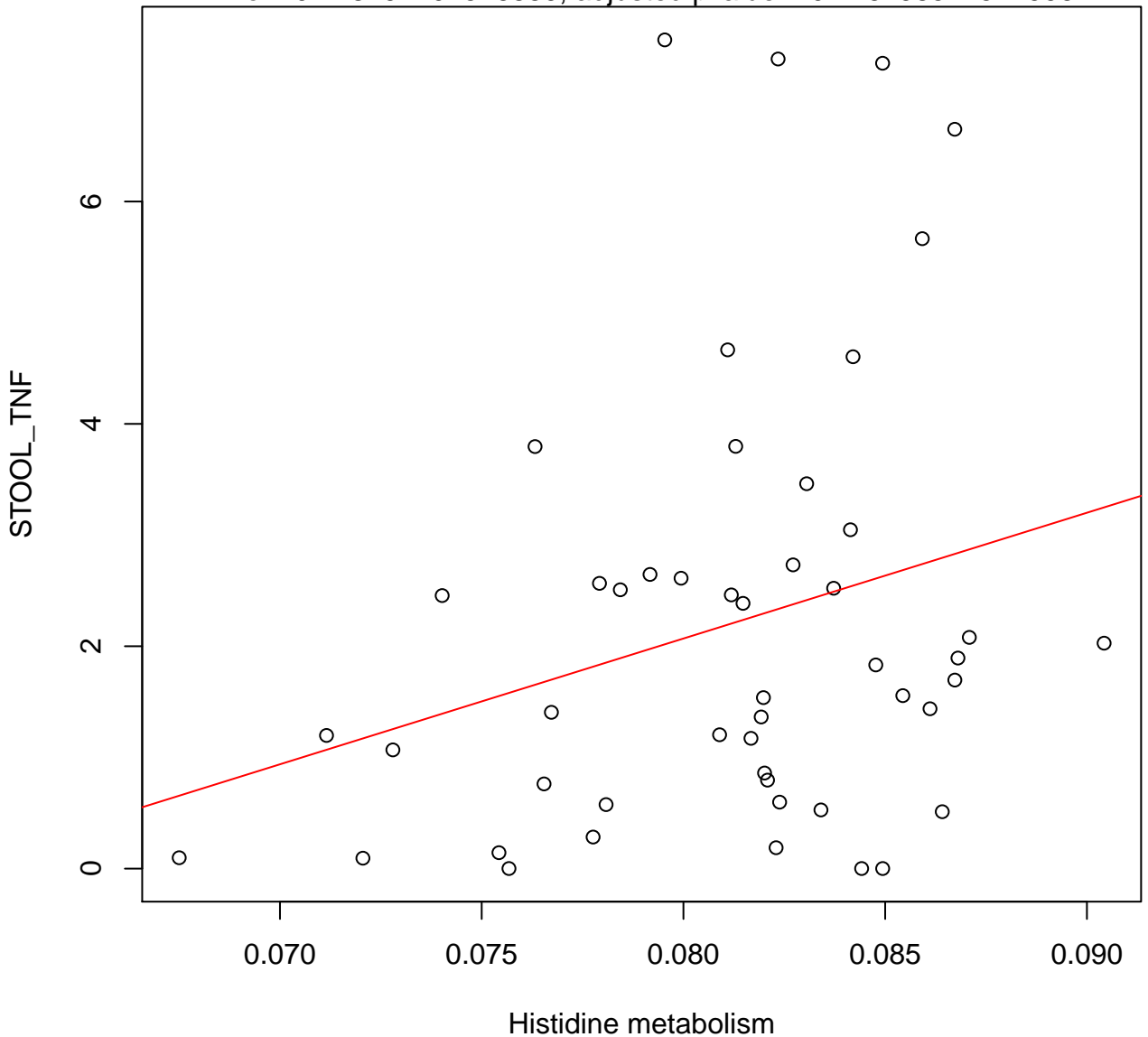
Time 1, STOOL_TNF ~ Glycosphingolipid biosynthesis – lacto and neolacto series

Rho = 0.391876724155092, adjusted pvalue = 0.112863268840889



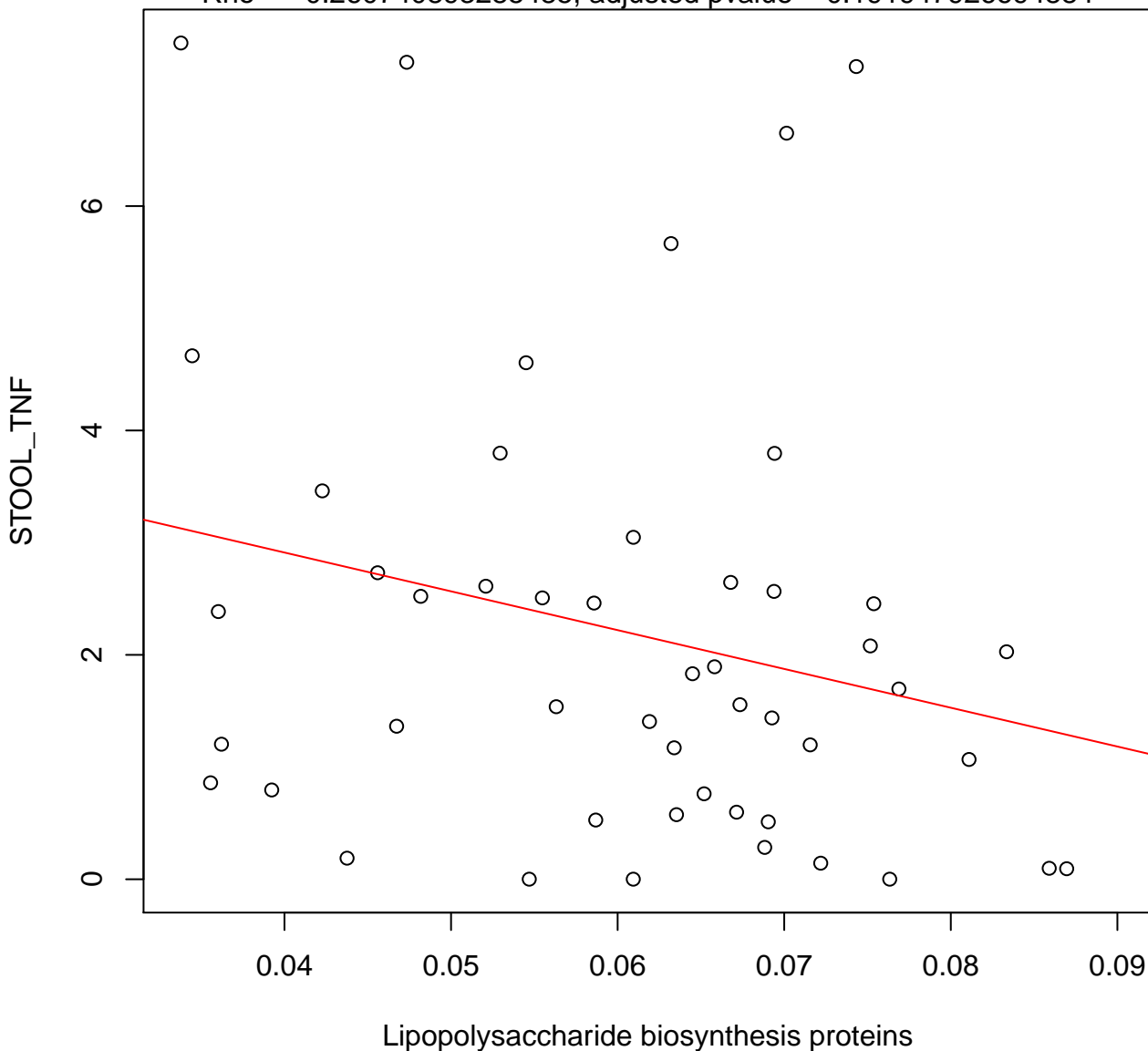
Time 1, STOOL_TNF ~ Histidine metabolism

Rho = 0.228492704526889, adjusted pvalue = 0.246198524541996



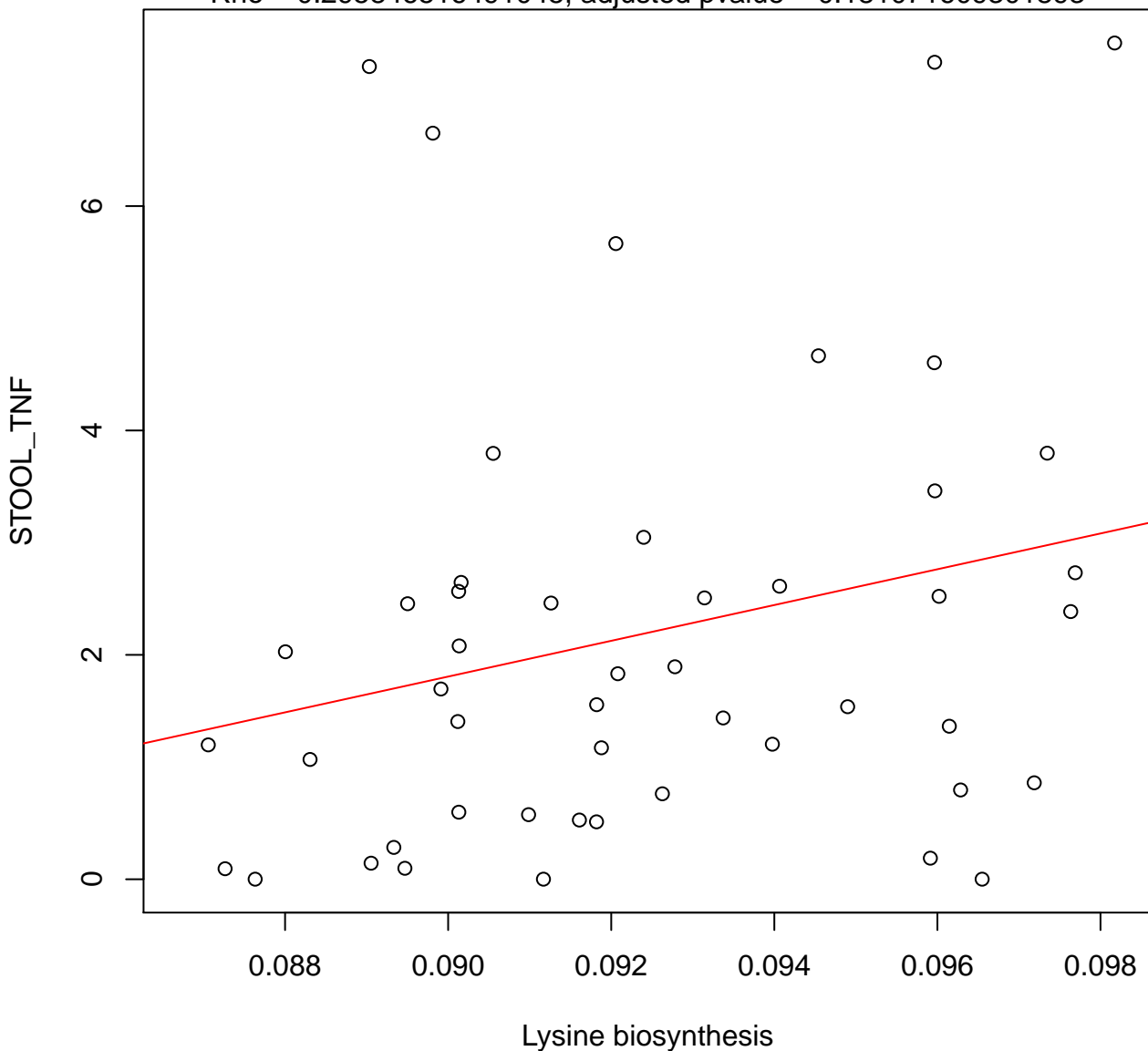
Time 1, STOOI_TNF ~ Lipopolysaccharide biosynthesis proteins

Rho = -0.260740893285485, adjusted pvalue = 0.191947926694884



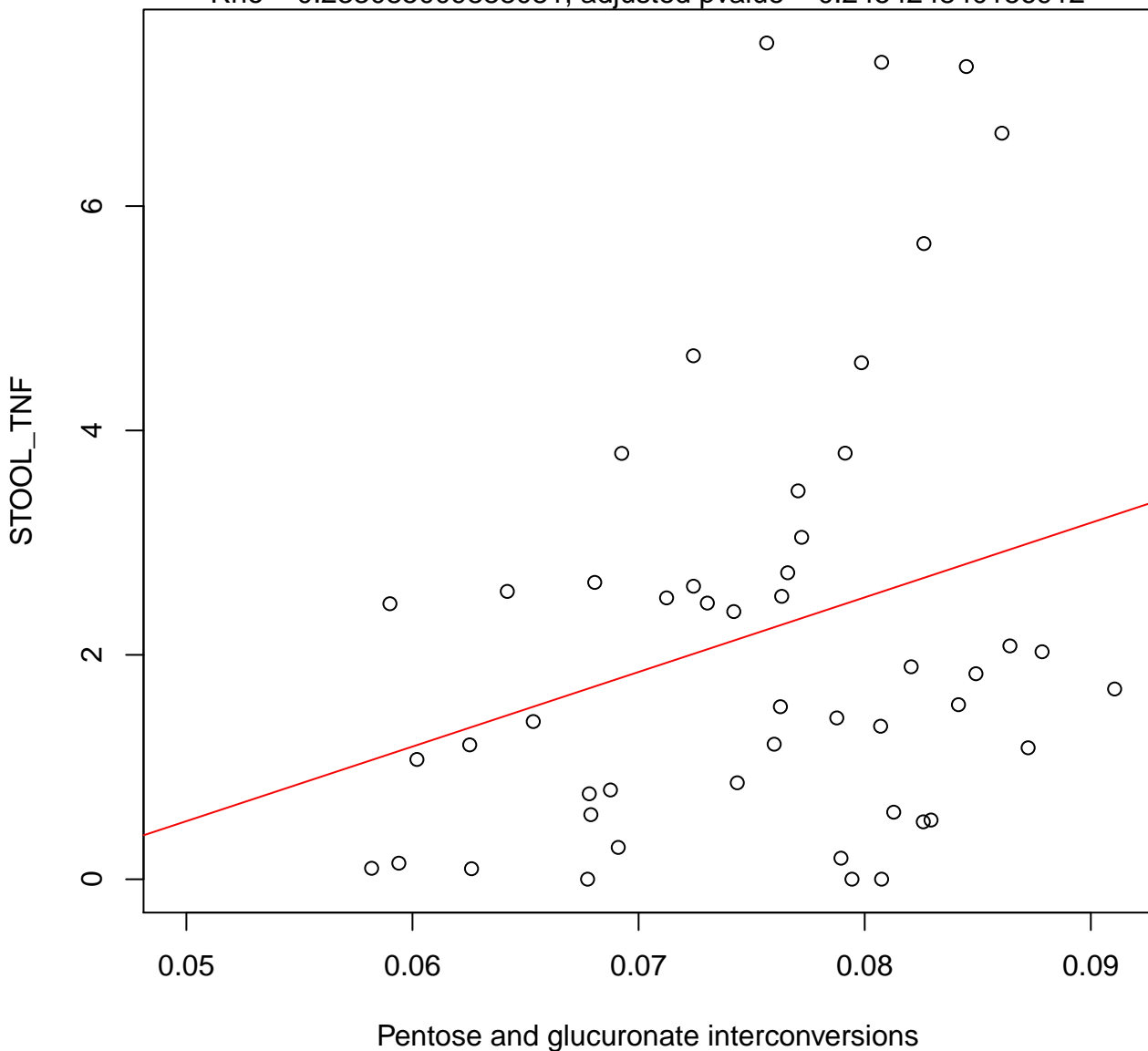
Time 1, STOOI_TNF ~ Lysine biosynthesis

Rho = 0.295846516491045, adjusted pvalue = 0.181071609301893



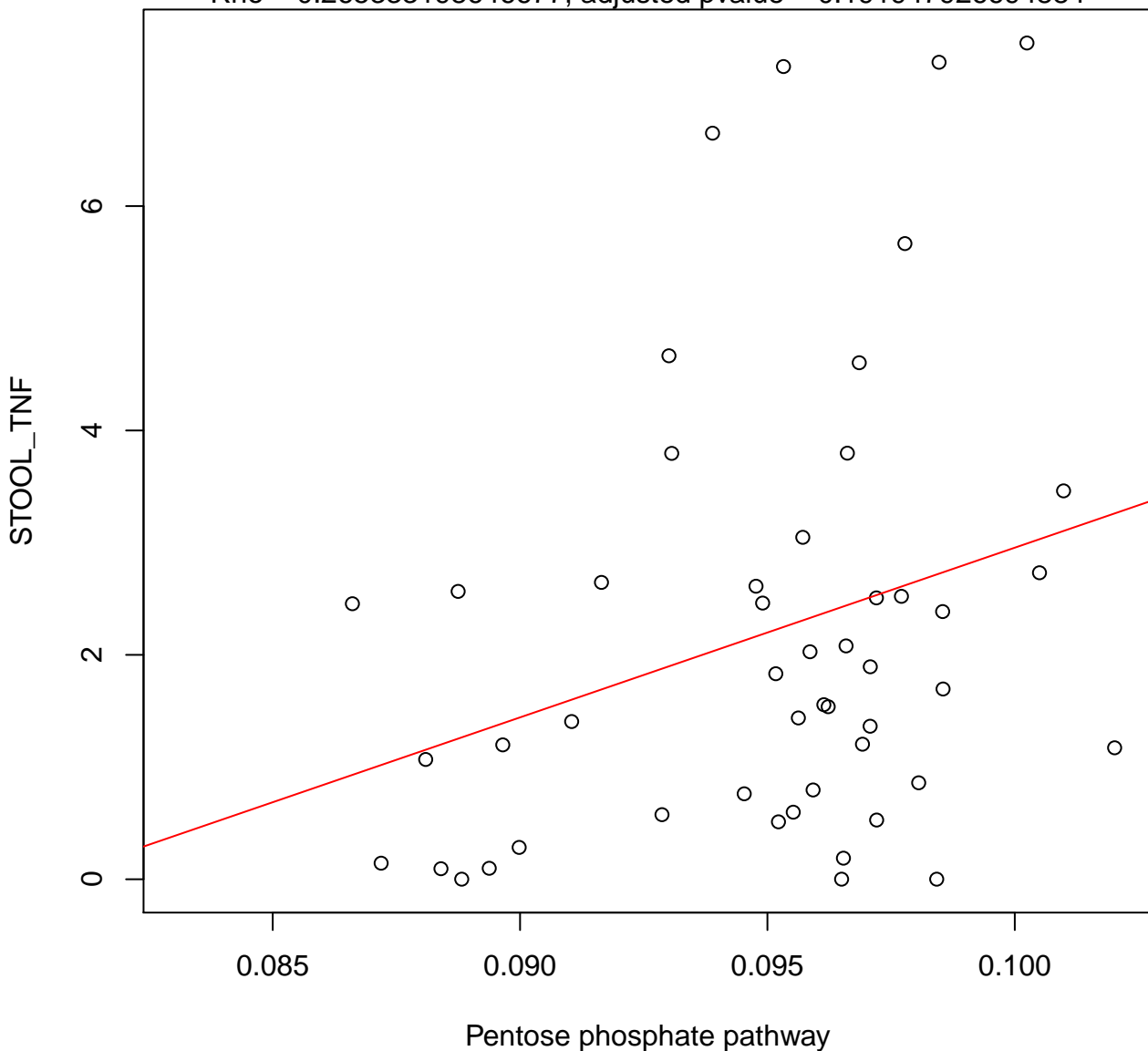
Time 1, STOOI_TNF ~ Pentose and glucuronate interconversions

Rho = 0.233085009888081, adjusted pvalue = 0.245424840156912



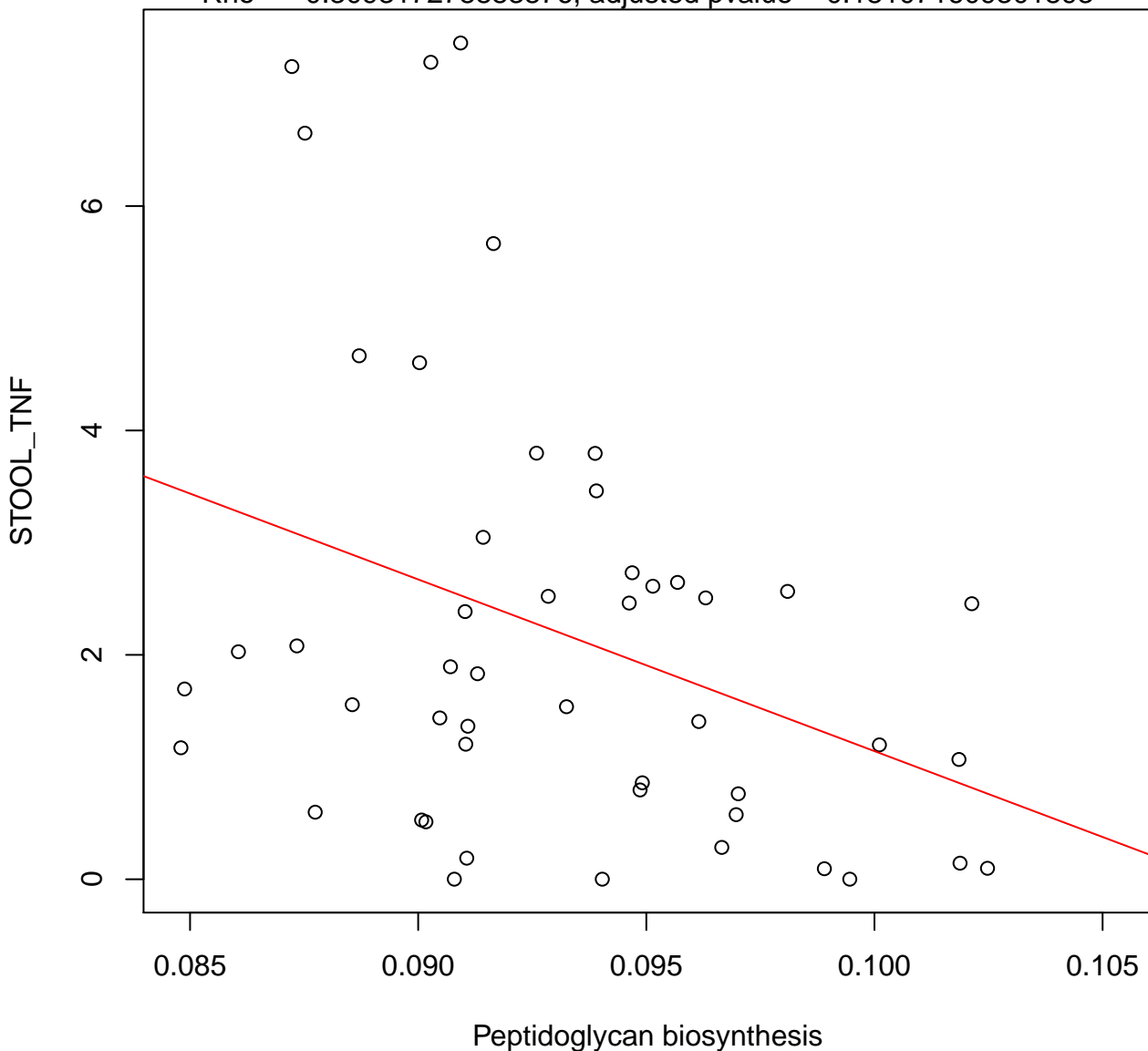
Time 1, STOOI_TNF ~ Pentose phosphate pathway

Rho = 0.265333198646677, adjusted pvalue = 0.191947926694884



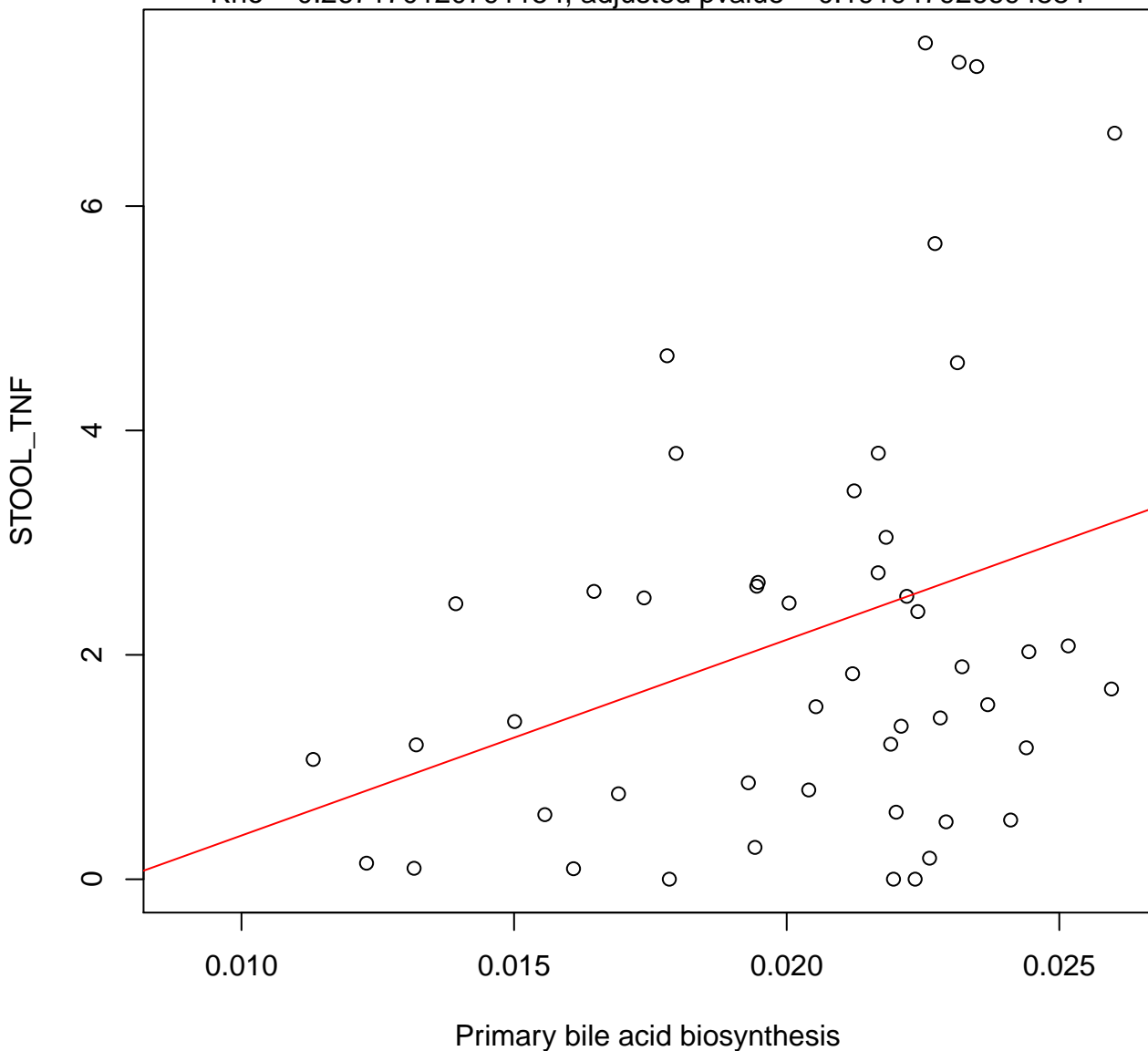
Time 1, STOOI_TNF ~ Peptidoglycan biosynthesis

Rho = -0.309317278883876, adjusted pvalue = 0.181071609301893



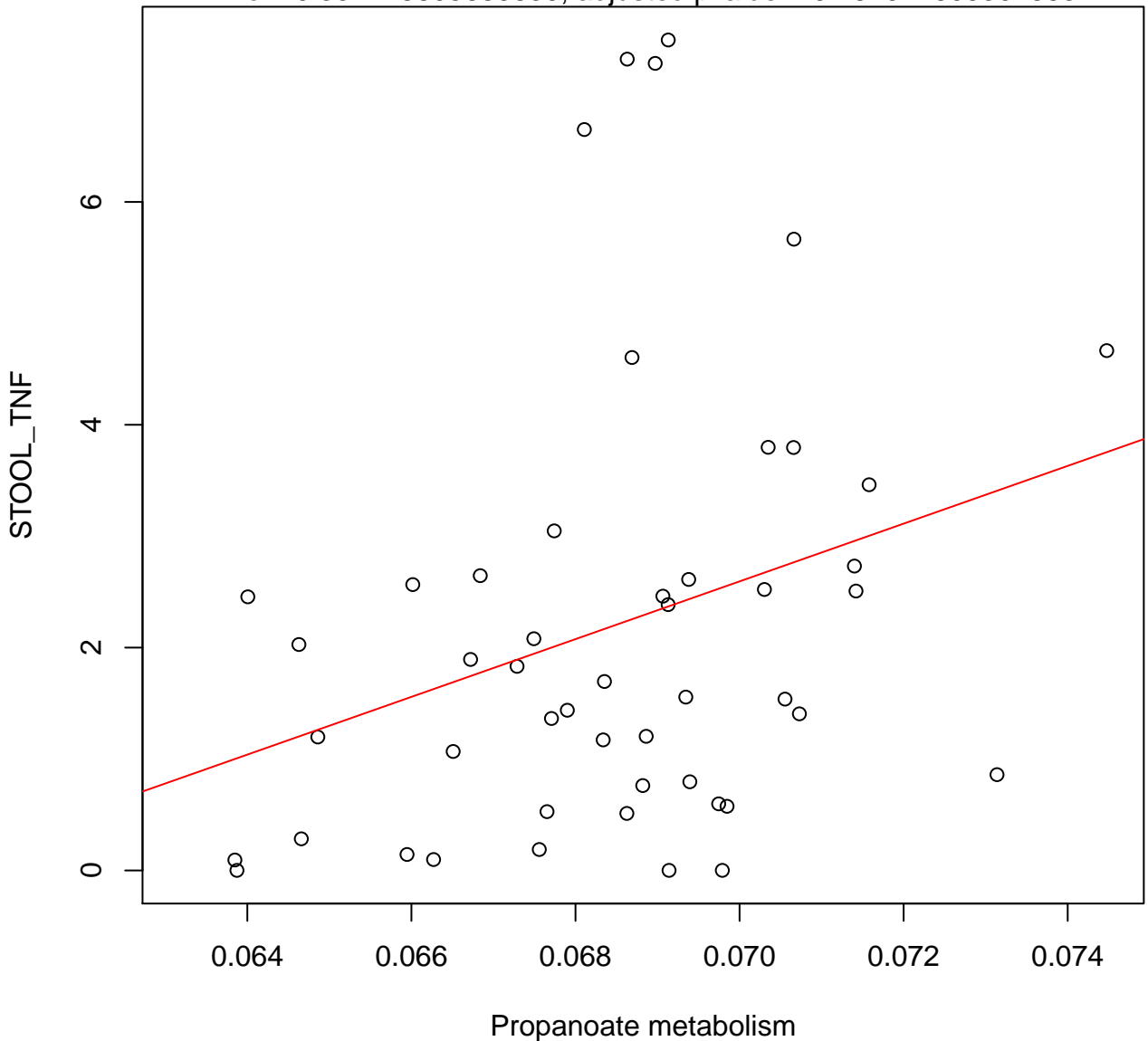
Time 1, STOOL_TNF ~ Primary bile acid biosynthesis

Rho = 0.267170120791154, adjusted pvalue = 0.191947926694884



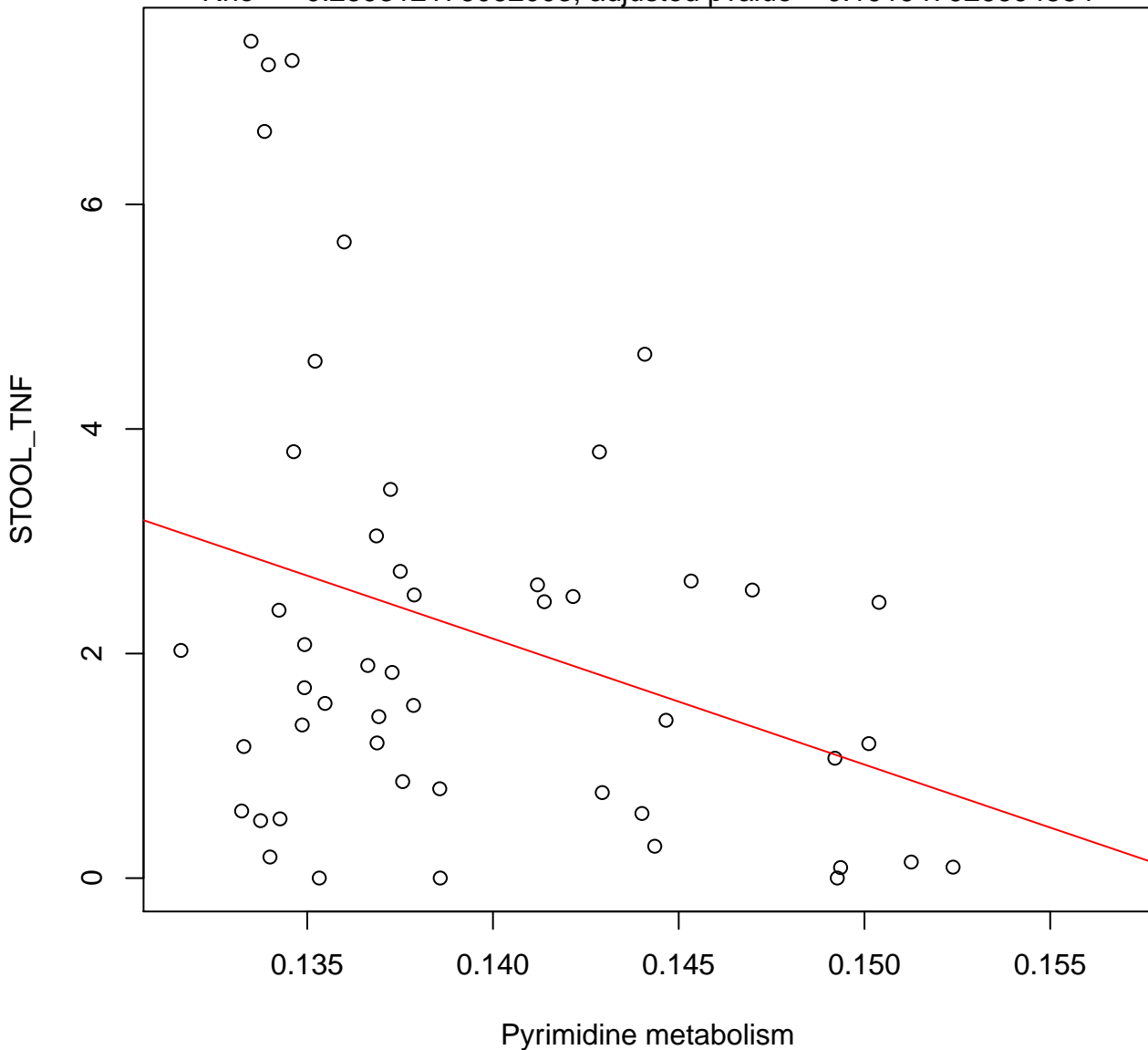
Time 1, STOOL_TNF ~ Propanoate metabolism

Rho = 0.332278805689839, adjusted pvalue = 0.181071609301893



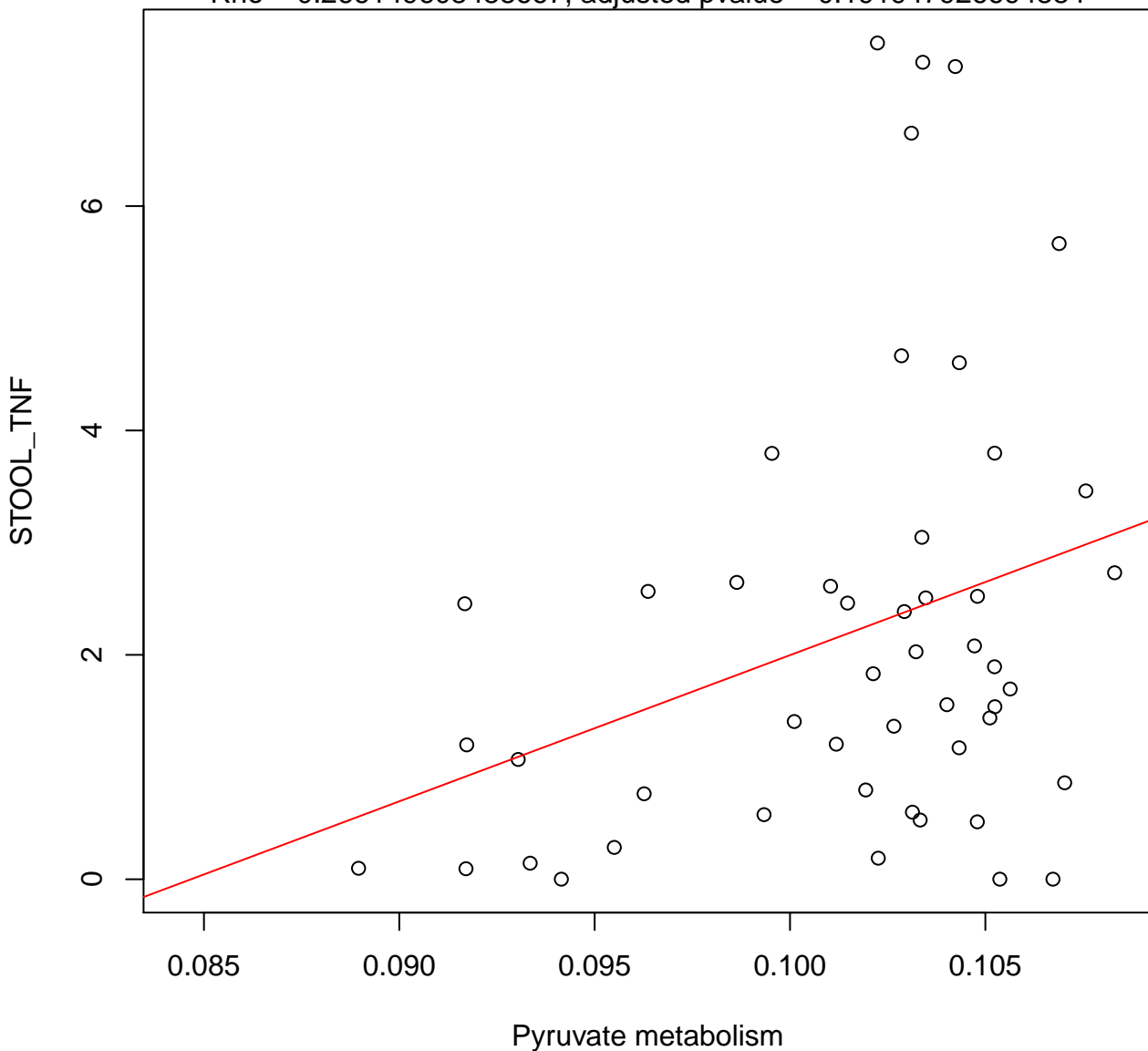
Time 1, STOOL_TNF ~ Pyrimidine metabolism

Rho = -0.259312176062003, adjusted pvalue = 0.191947926694884



Time 1, STOOI_TNF ~ Pyruvate metabolism

Rho = 0.266149608488667, adjusted pvalue = 0.191947926694884



Time 1, STOOL_TNF ~ Selenocompound metabolism

Rho = -0.386774162642656 , adjusted pvalue = 0.112863268840889

