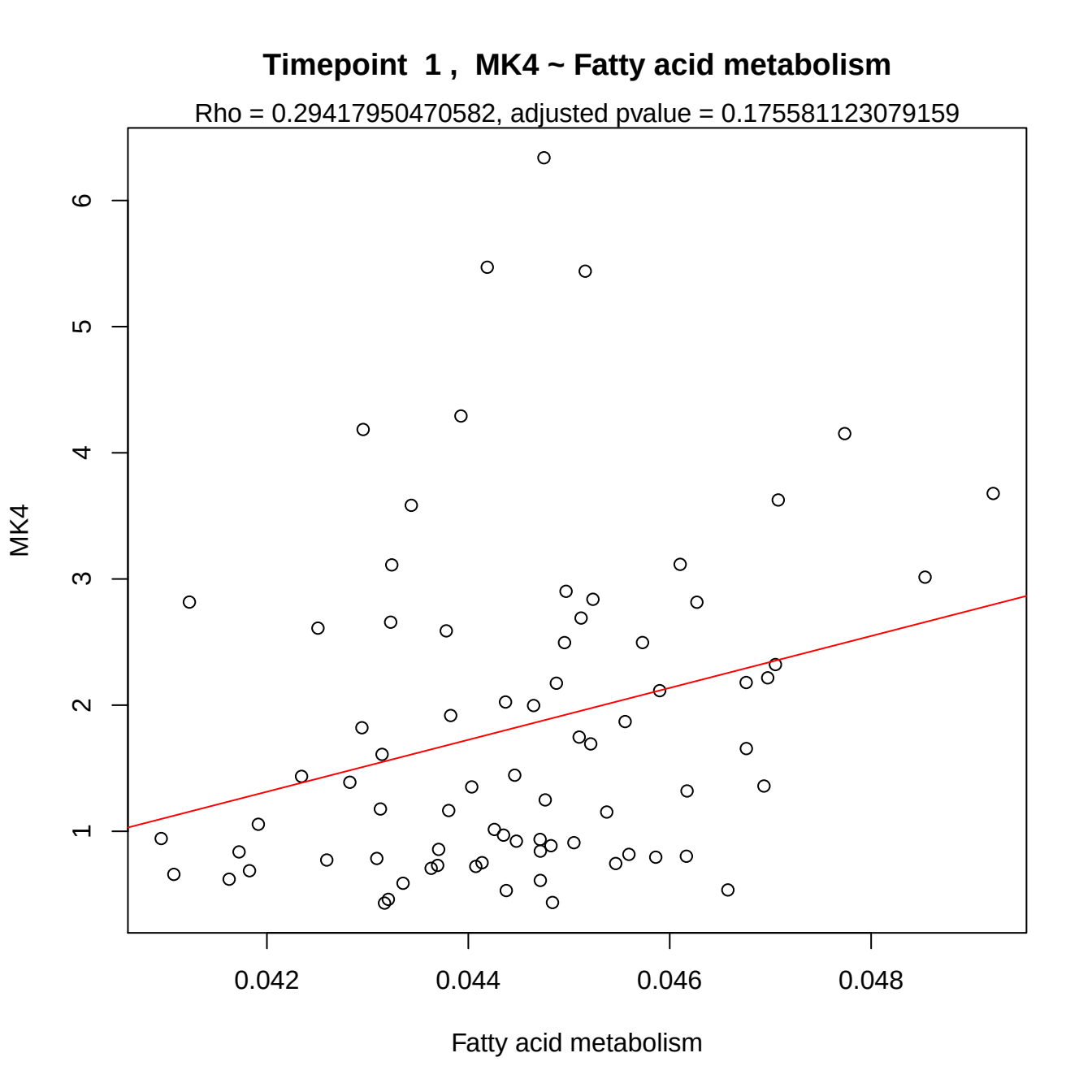
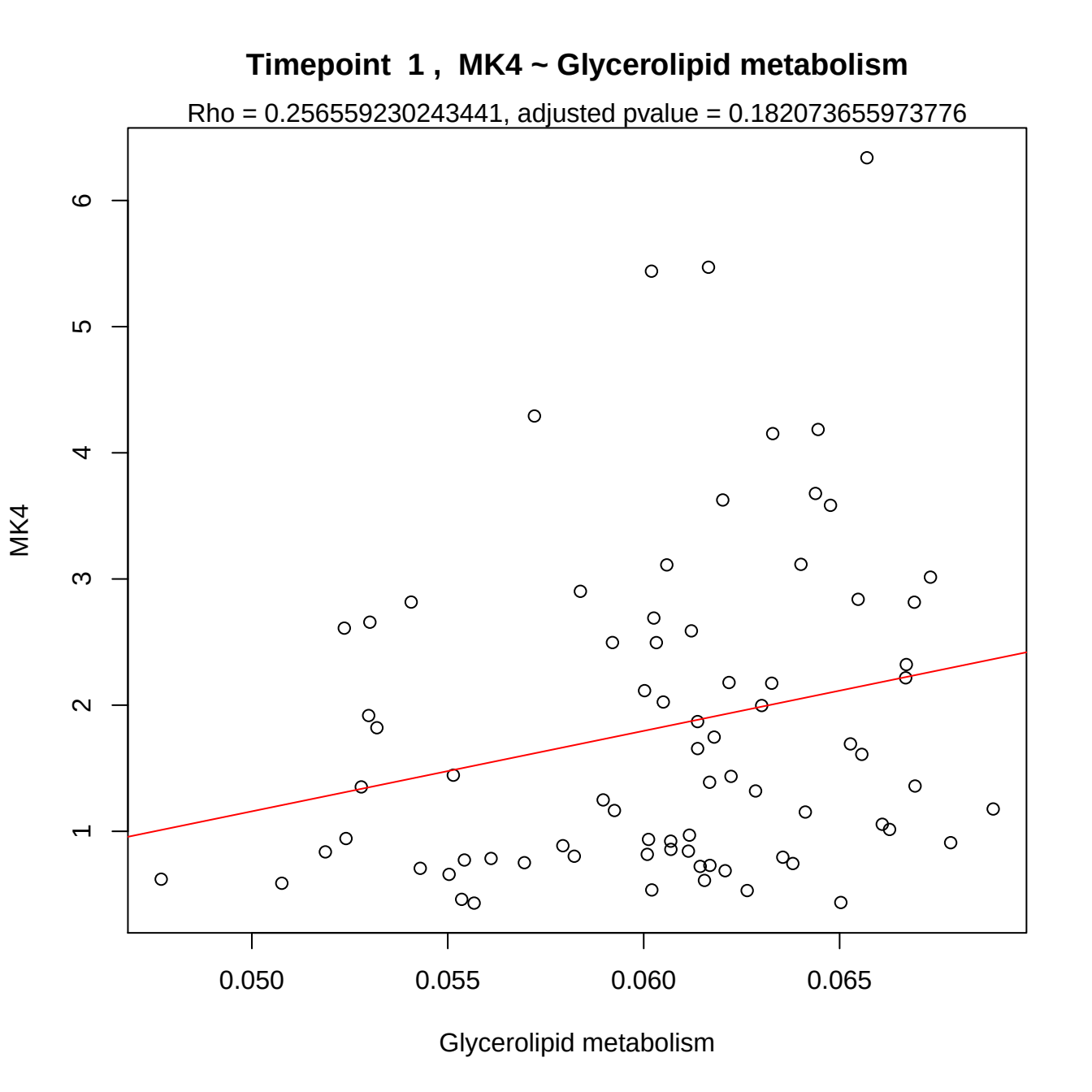
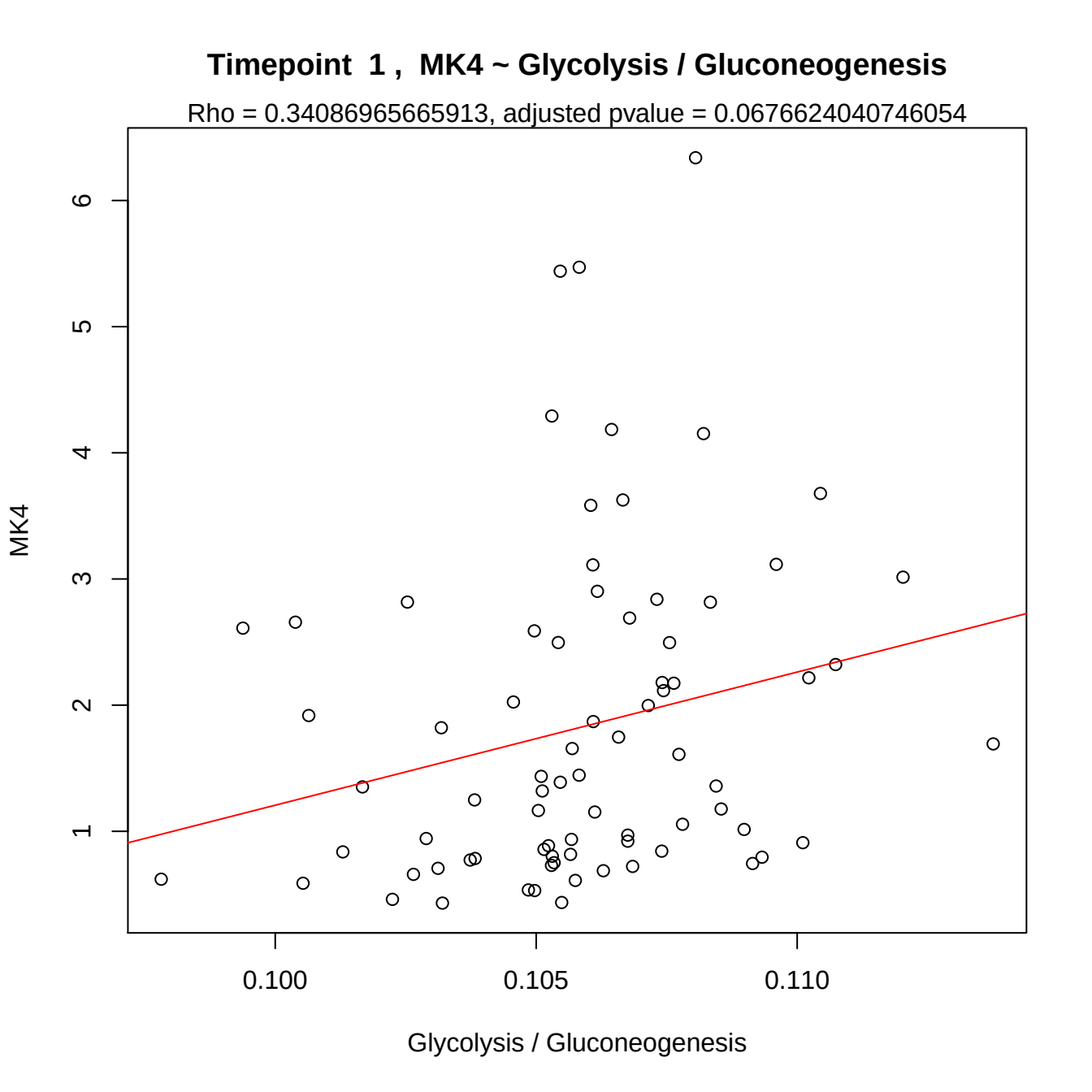
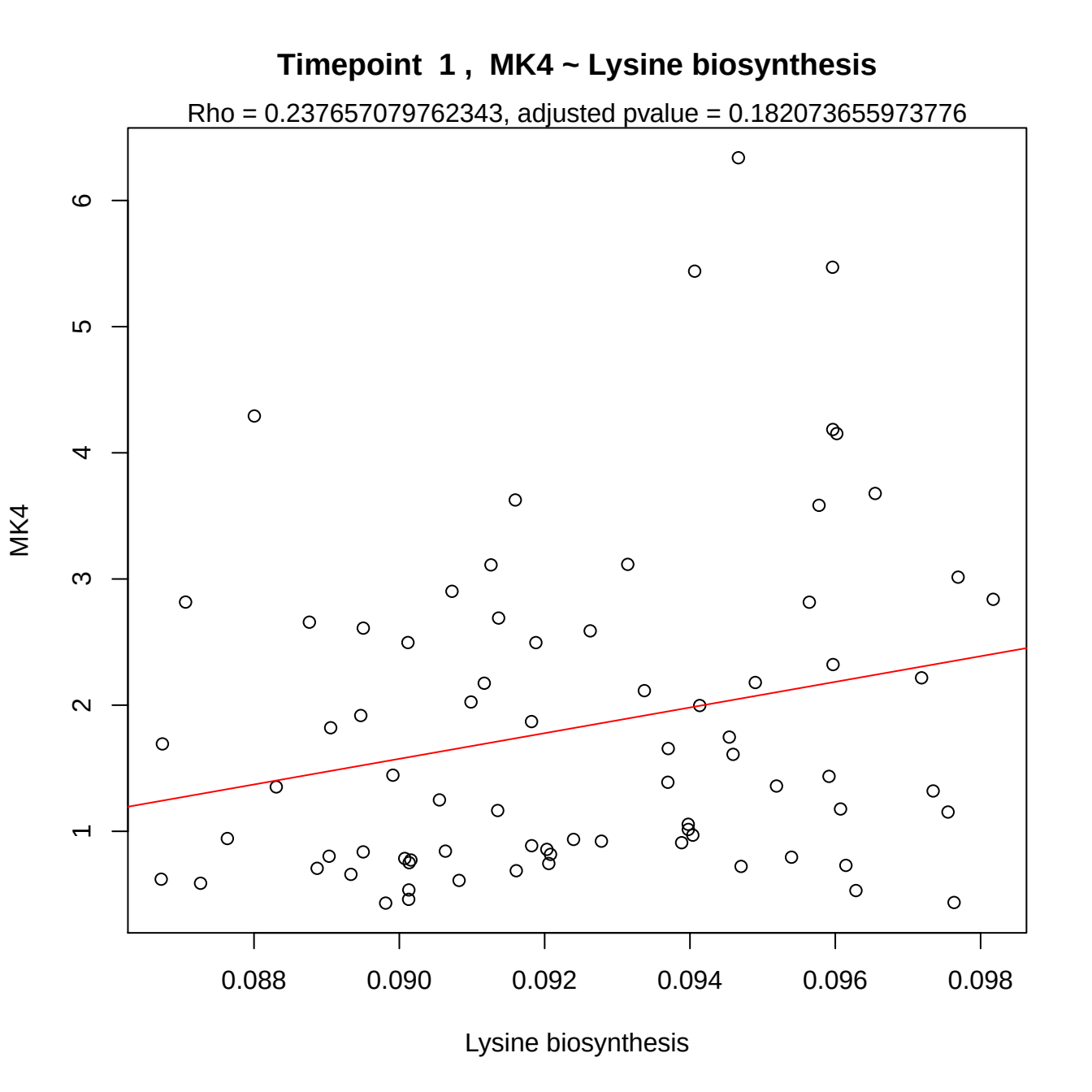
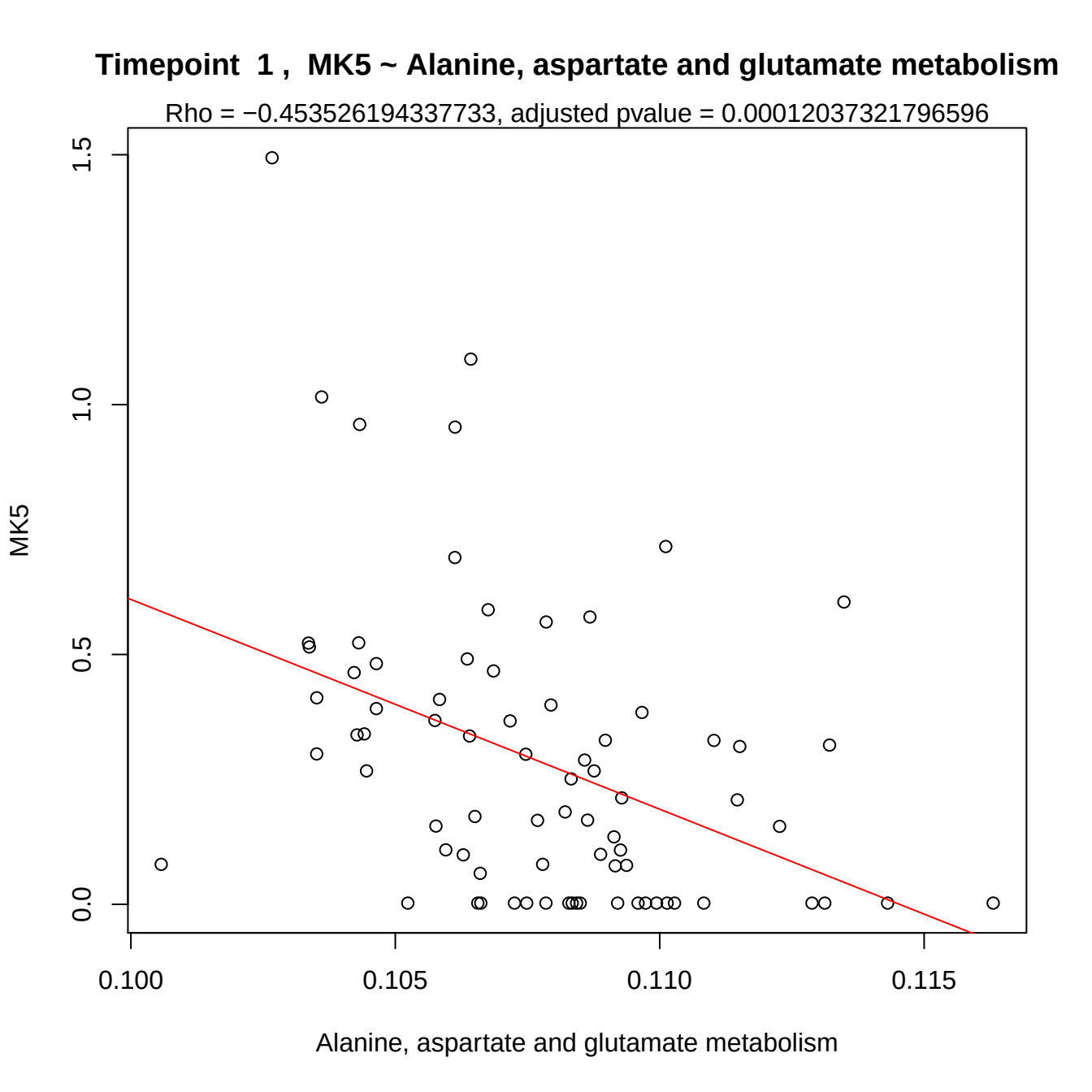
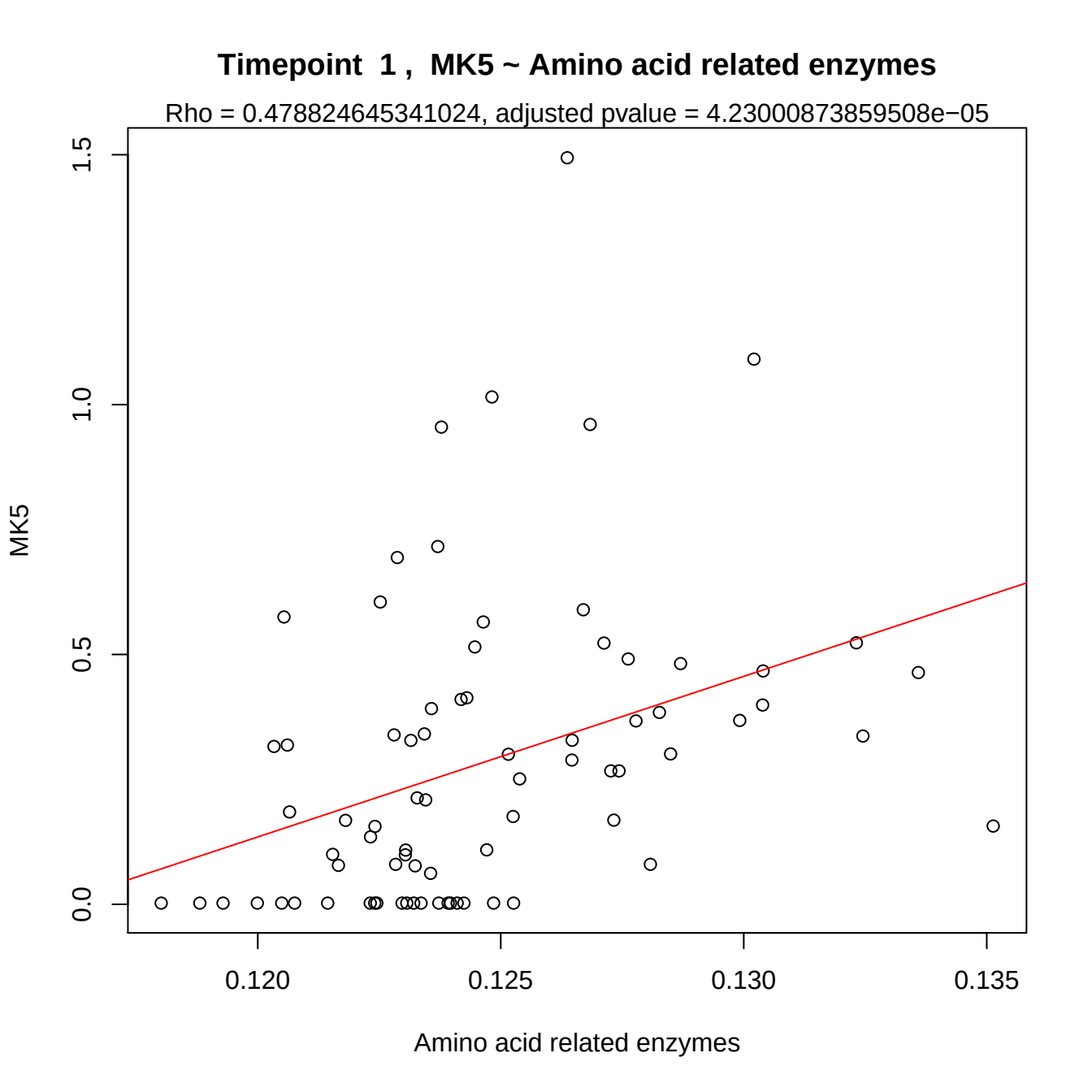

Timepoint 1 , MK4 ~ Fatty acid metabolism
Rho = 0.29417950470582, adjusted pvalue = 0.175581123079159
MK4
1
2
3
4
5
6
0.042
0.044
0.046
0.048
Fatty acid metabolism

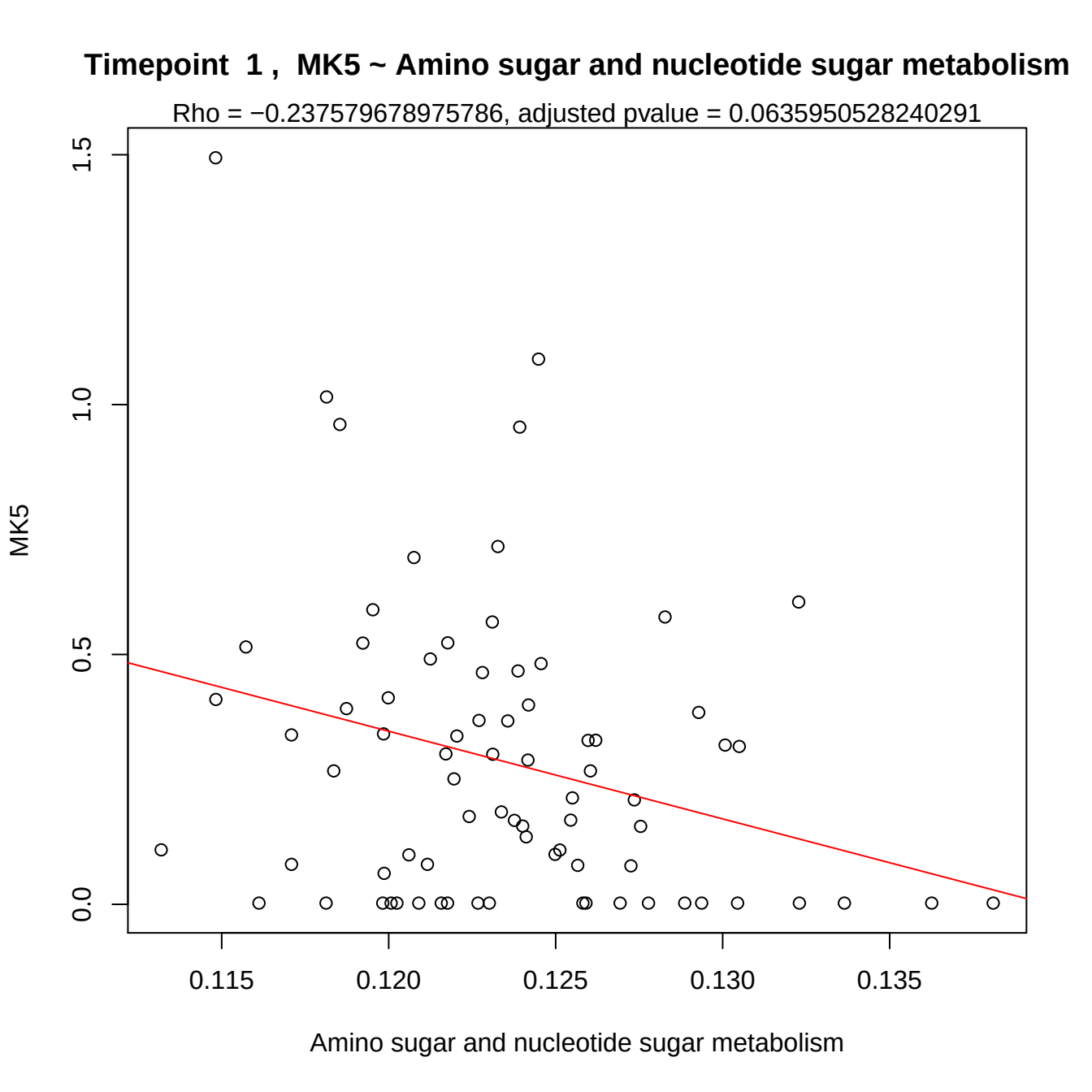

Timepoint 1 , MK4 ~ Glycerolipid metabolism
Rho = 0.256559230243441, adjusted pvalue = 0.182073655973776
MK4
1
2
3
4
5
6
0.050
0.055
0.060
0.065
Glycerolipid metabolism

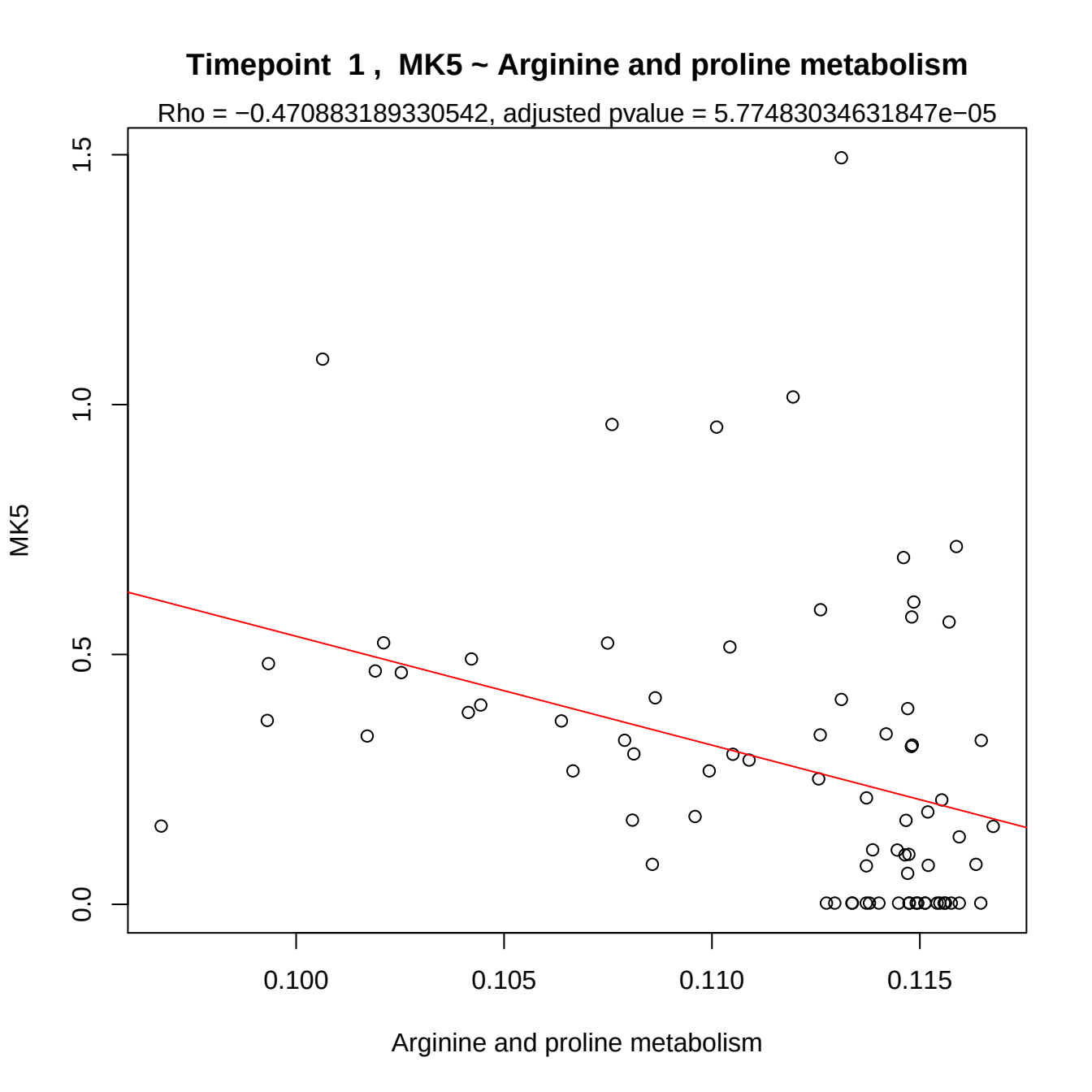

Timepoint 1 , MK4 ~ Glycolysis / Gluconeogenesis
Rho = 0.34086965665913, adjusted pvalue = 0.0676624040746054
MK4
1
2
3
4
5
6
0.100
0.105
0.110
Glycolysis / Gluconeogenesis

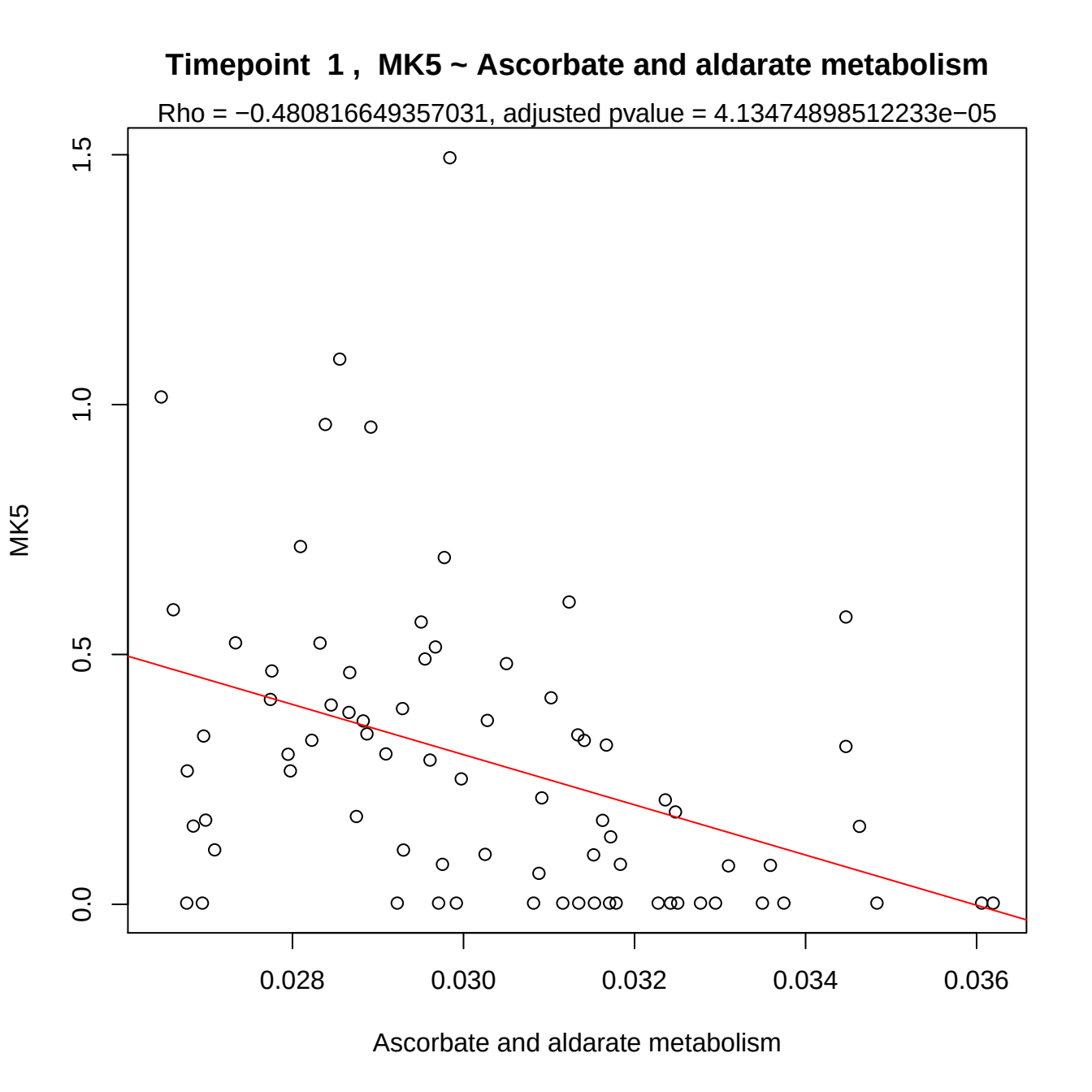

Timepoint 1 , MK4 ~ Lysine biosynthesis
Rho = 0.237657079762343, adjusted pvalue = 0.182073655973776
MK4
1
2
3
4
5
6
0.088
0.090
0.092
0.094
0.096
0.098
Lysine biosynthesis

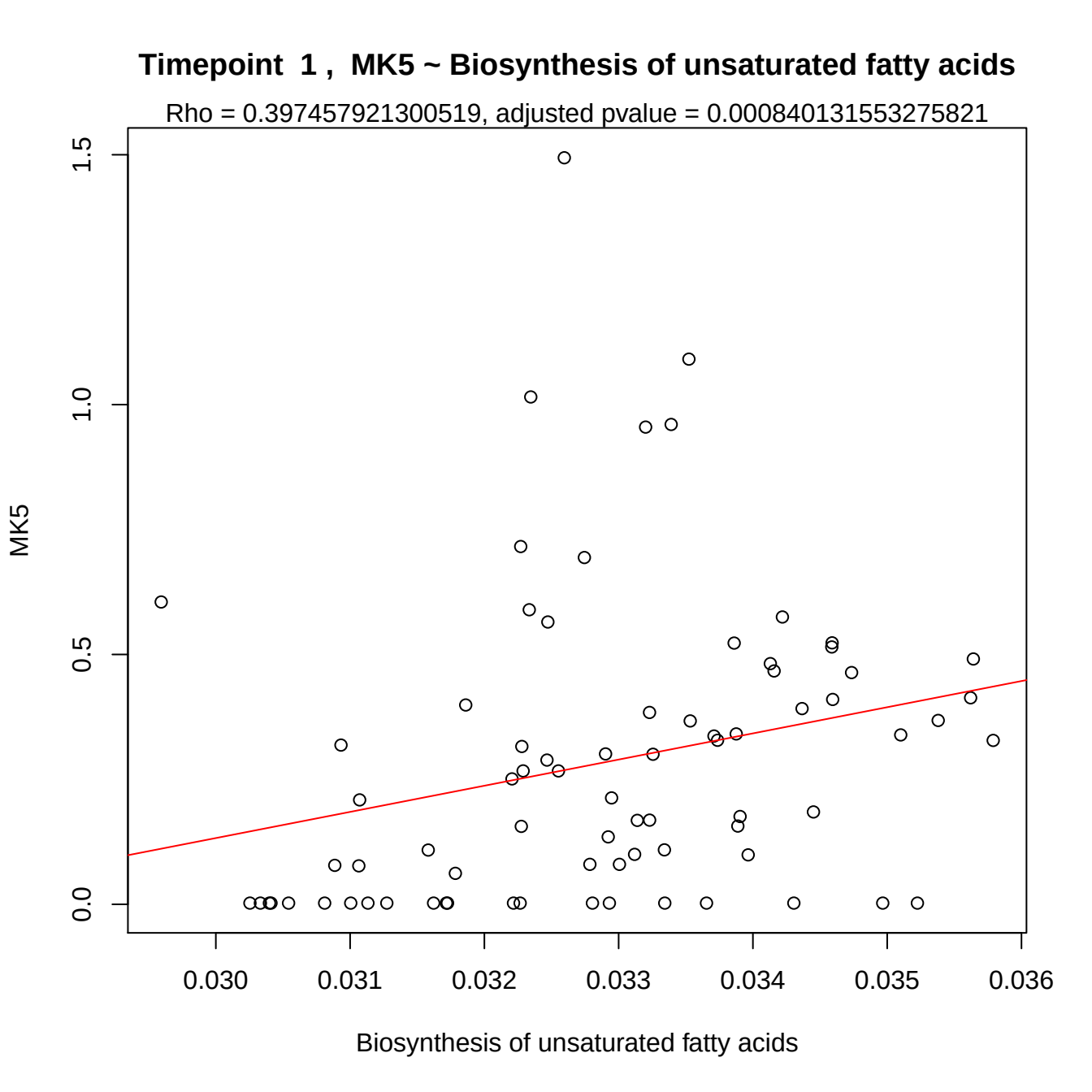

Timepoint 1 , MK5 ~ Alanine, aspartate and glutamate metabolism
Rho = −0.453526194337733, adjusted pvalue = 0.00012037321796596
MK5
0.0
0.5
1.0
1.5
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

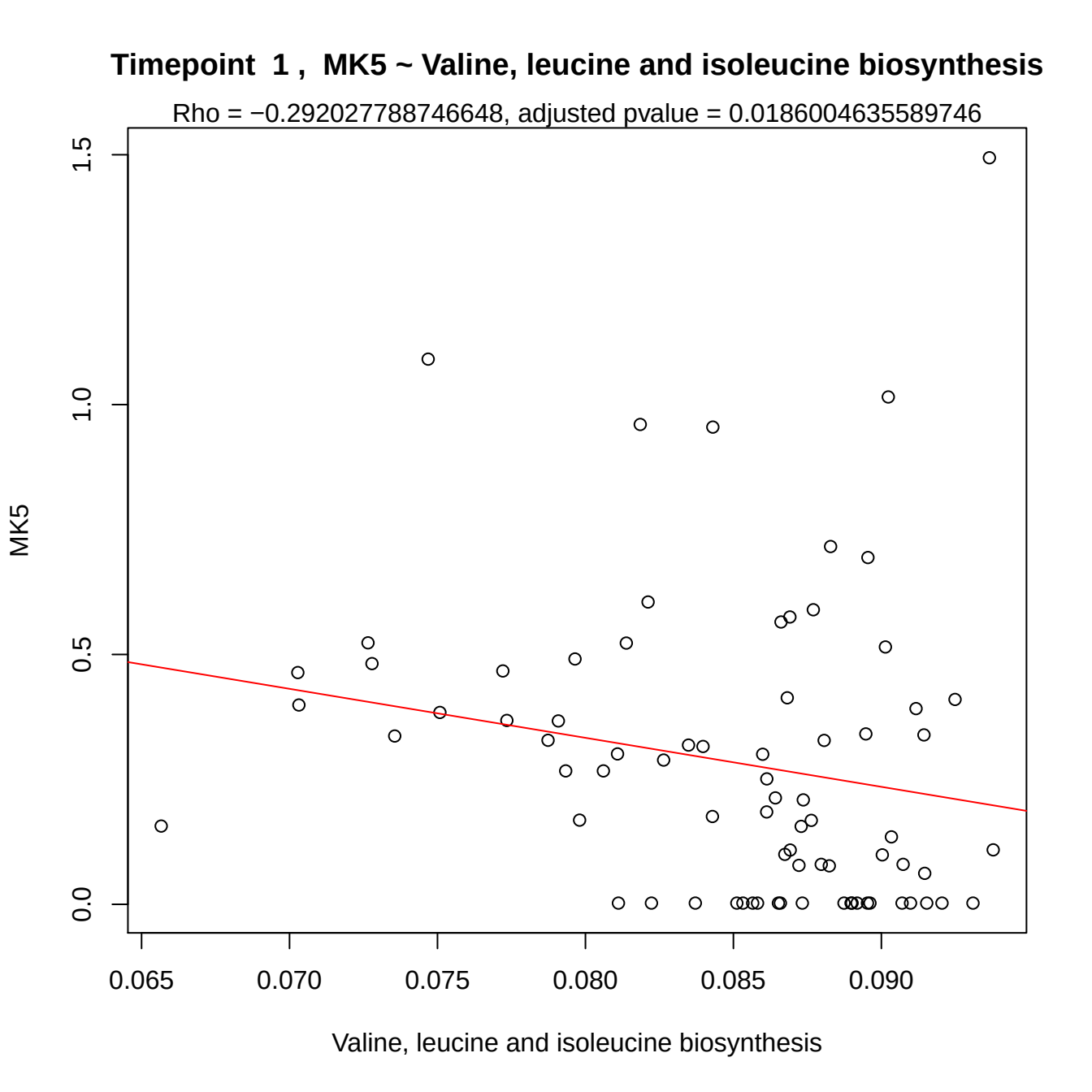

Timepoint 1 , MK5 ~ Amino acid related enzymes
Rho = 0.478824645341024, adjusted pvalue = 4.23000873859508e−05
MK5
0.0
0.5
1.0
1.5
0.120
0.125
0.130
0.135
Amino acid related enzymes

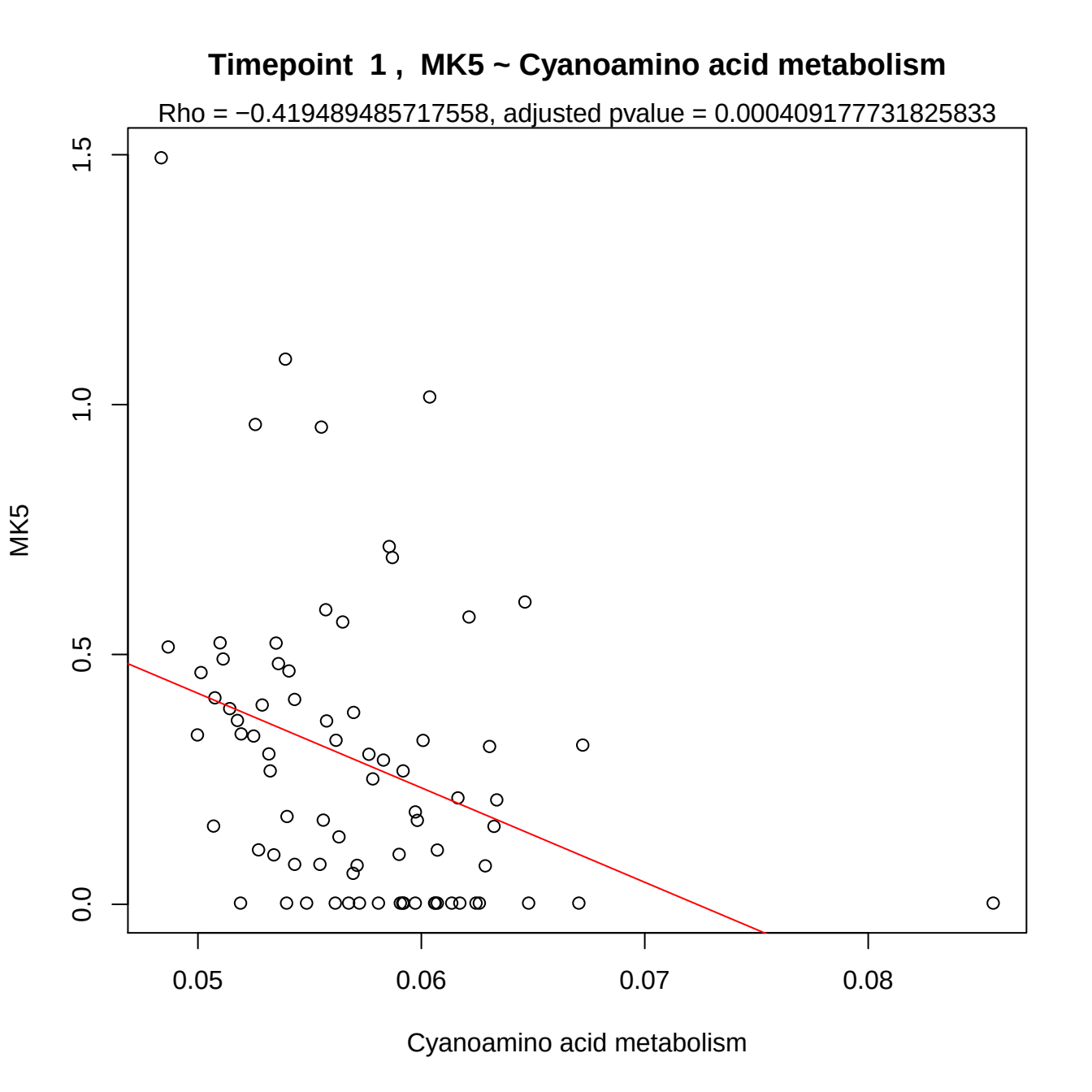

Timepoint 1 , MK5 ~ Amino sugar and nucleotide sugar metabolism
Rho = −0.237579678975786, adjusted pvalue = 0.0635950528240291
MK5
0.0
0.5
1.0
1.5
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

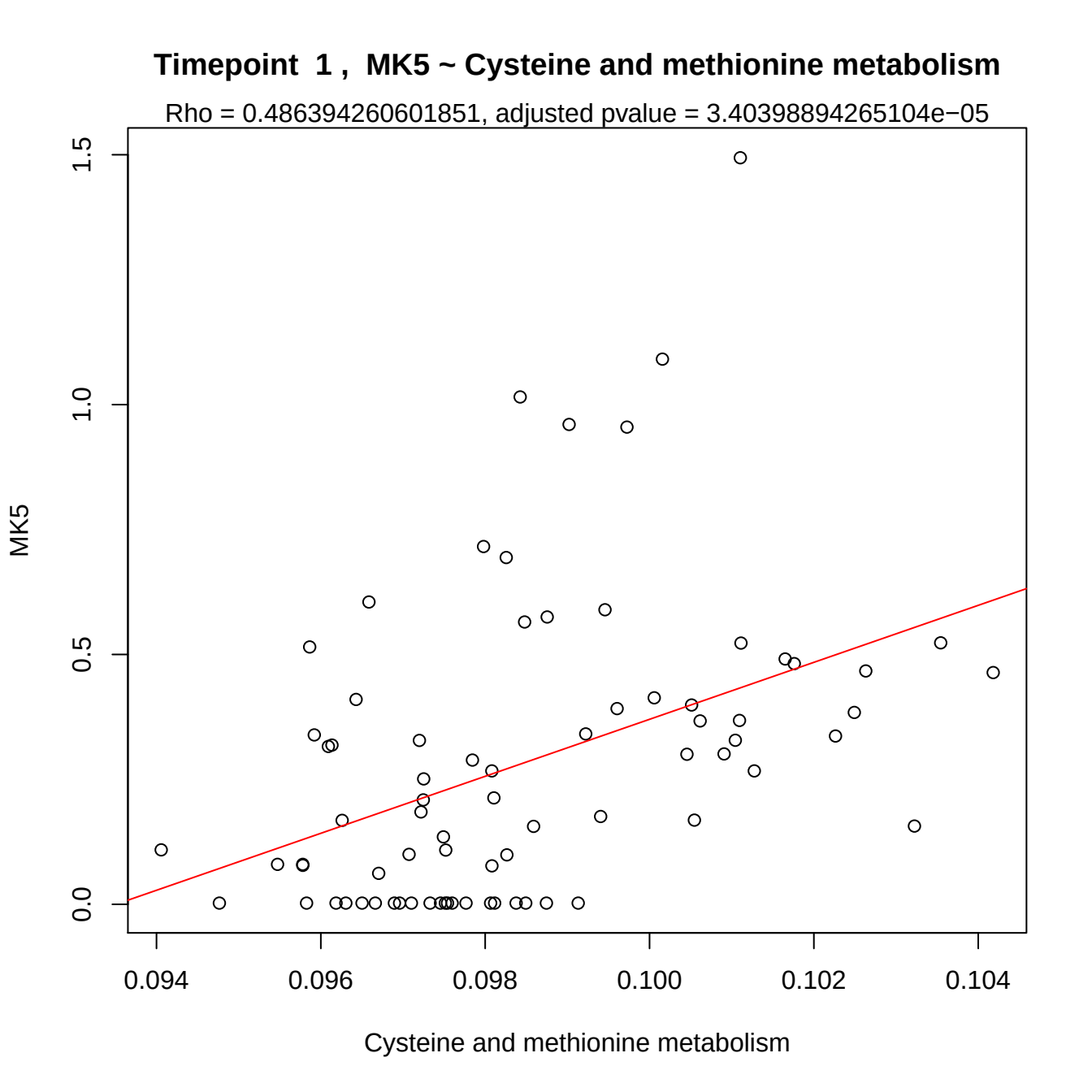

Timepoint 1 , MK5 ~ Arginine and proline metabolism
Rho = −0.470883189330542, adjusted pvalue = 5.77483034631847e−05
MK5
0.0
0.5
1.0
1.5
0.100
0.105
0.110
0.115
Arginine and proline metabolism

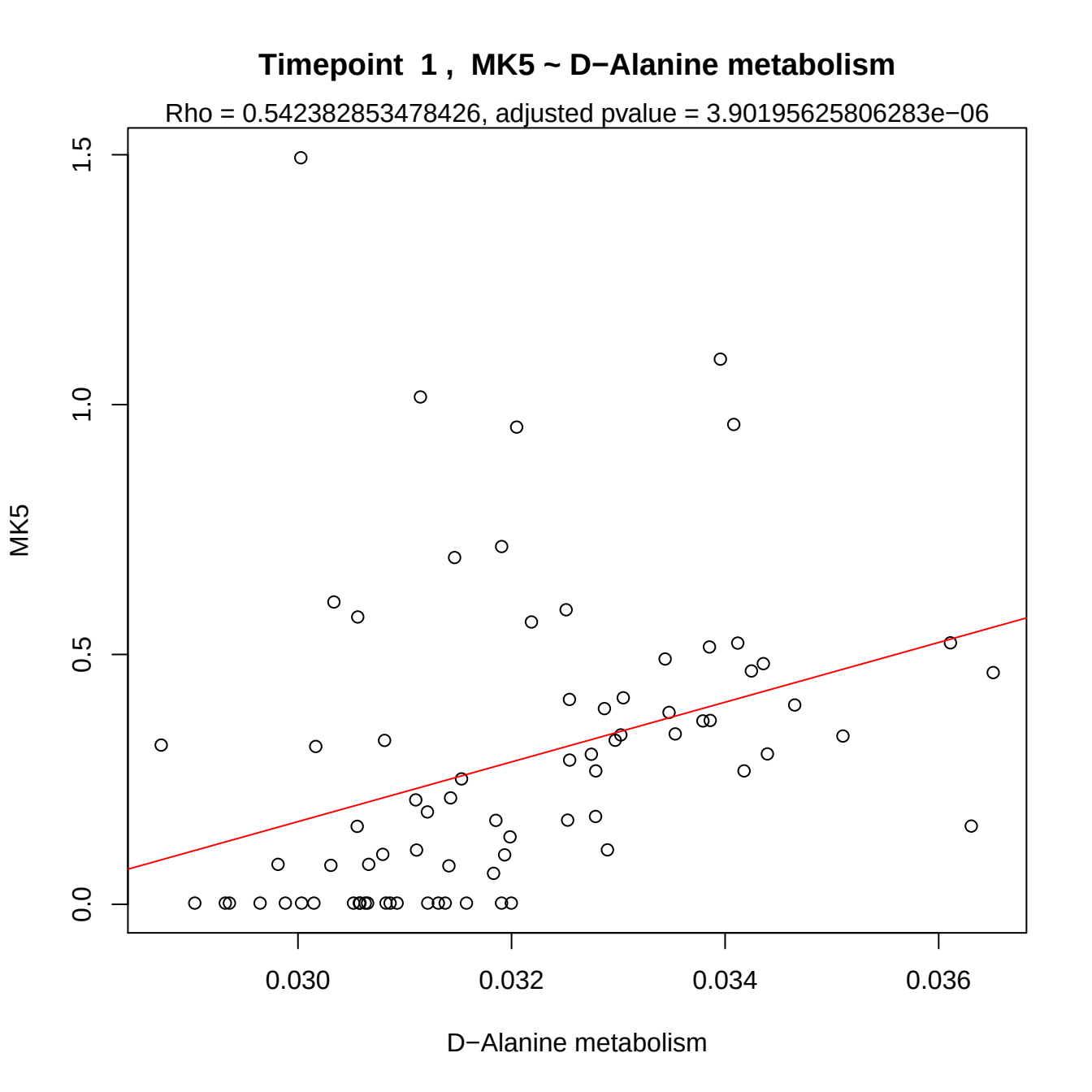

Timepoint 1 , MK5 ~ Ascorbate and aldarate metabolism
Rho = −0.480816649357031, adjusted pvalue = 4.13474898512233e−05
MK5
0.0
0.5
1.0
1.5
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

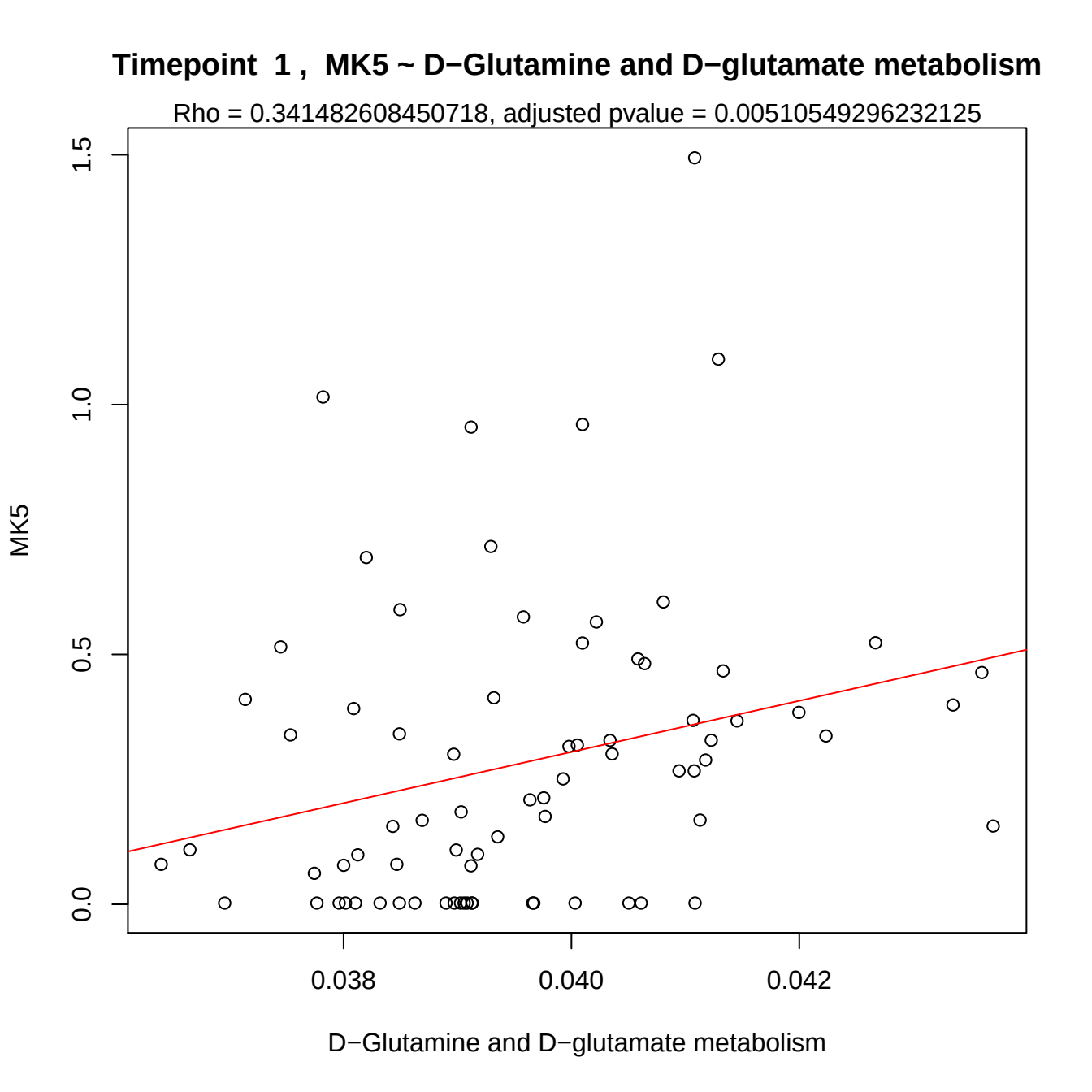

Timepoint 1 , MK5 ~ Biosynthesis of unsaturated fatty acids
Rho = 0.397457921300519, adjusted pvalue = 0.000840131553275821
MK5
0.0
0.5
1.0
1.5
0.030
0.031
0.032
0.033
0.034
0.035
0.036
Biosynthesis of unsaturated fatty acids

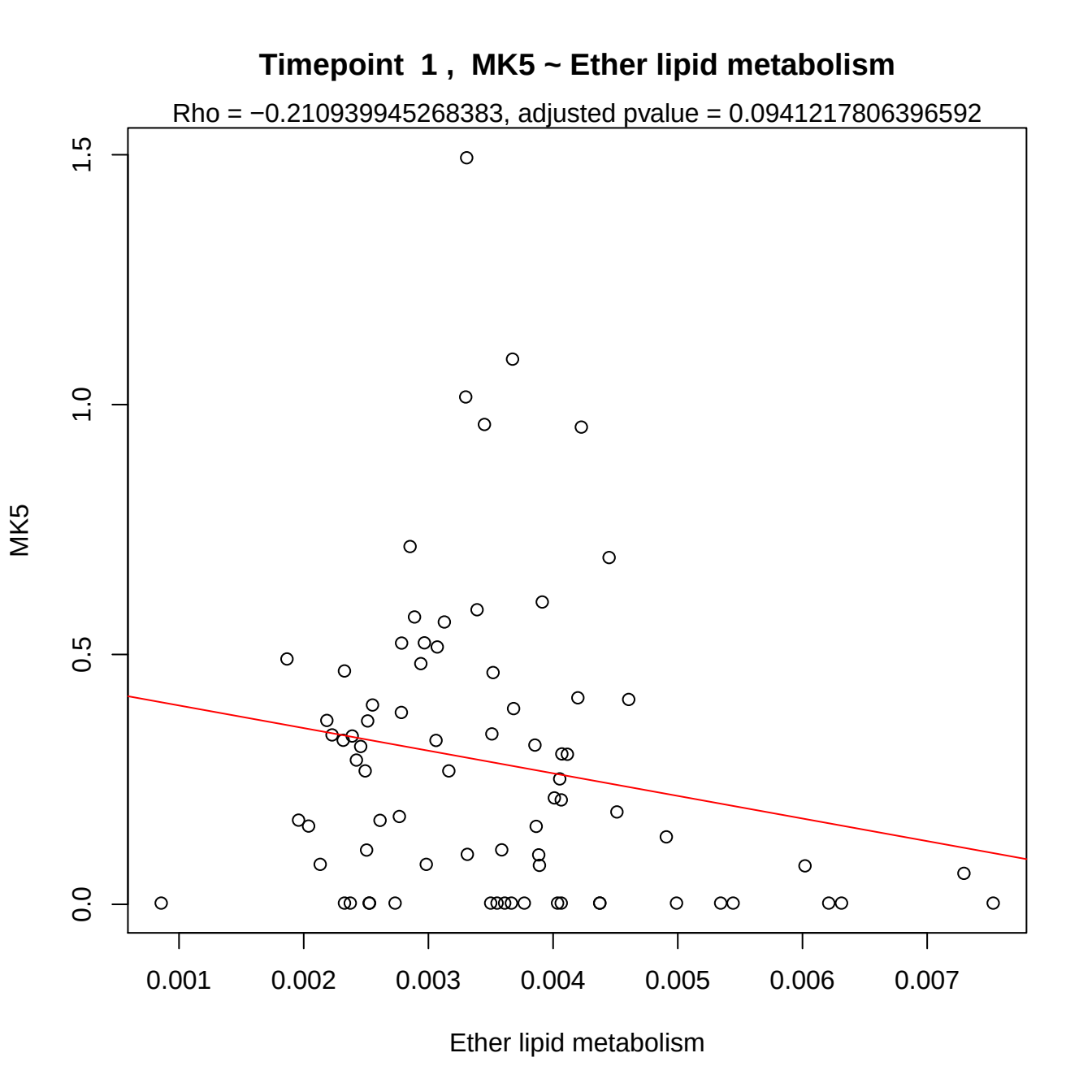

Timepoint 1 , MK5 ~ Valine, leucine and isoleucine biosynthesis
Rho = −0.292027788746648, adjusted pvalue = 0.0186004635589746
MK5
0.0
0.5
1.0
1.5
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

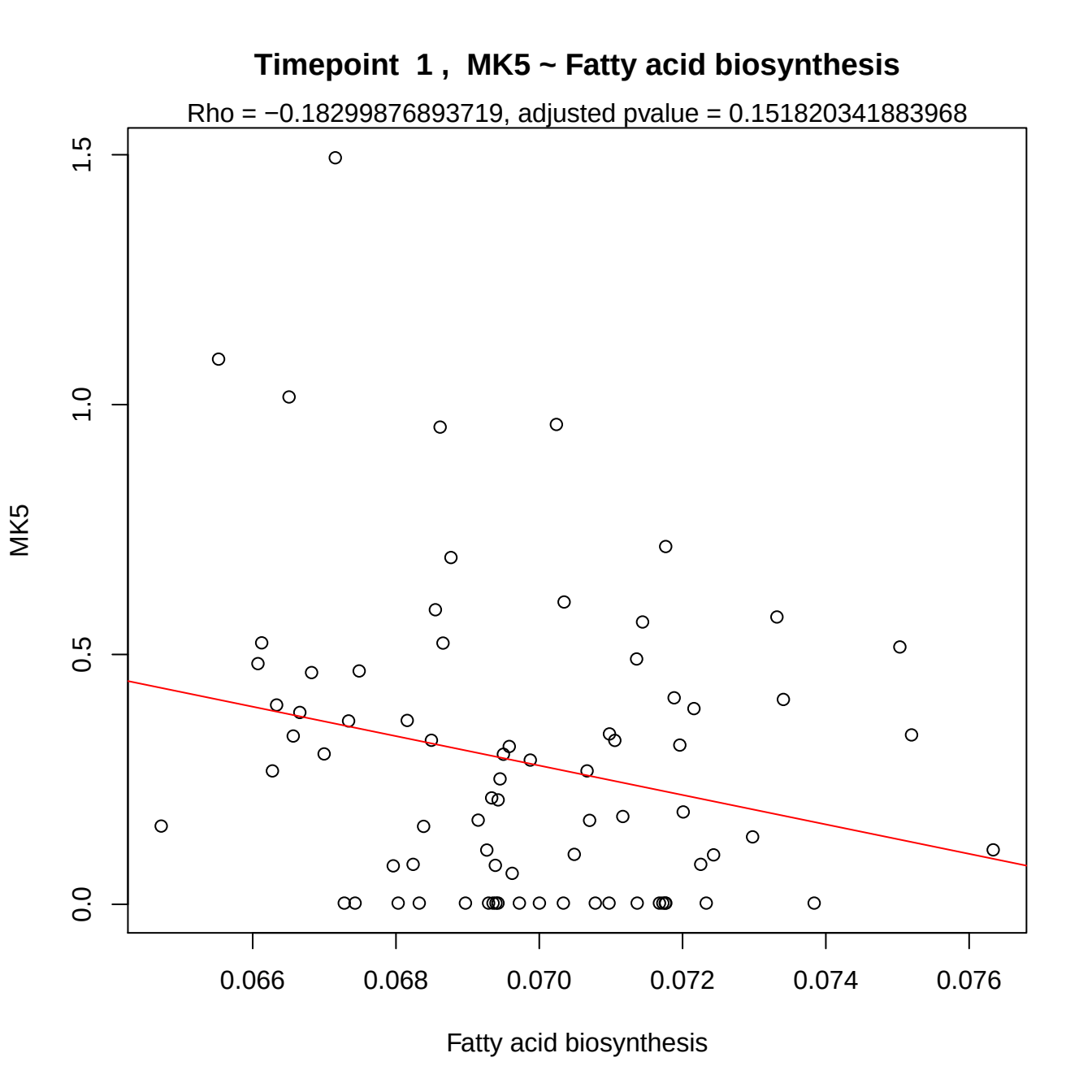

Timepoint 1 , MK5 ~ Cyanoamino acid metabolism
Rho = −0.419489485717558, adjusted pvalue = 0.000409177731825833
MK5
0.0
0.5
1.0
1.5
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

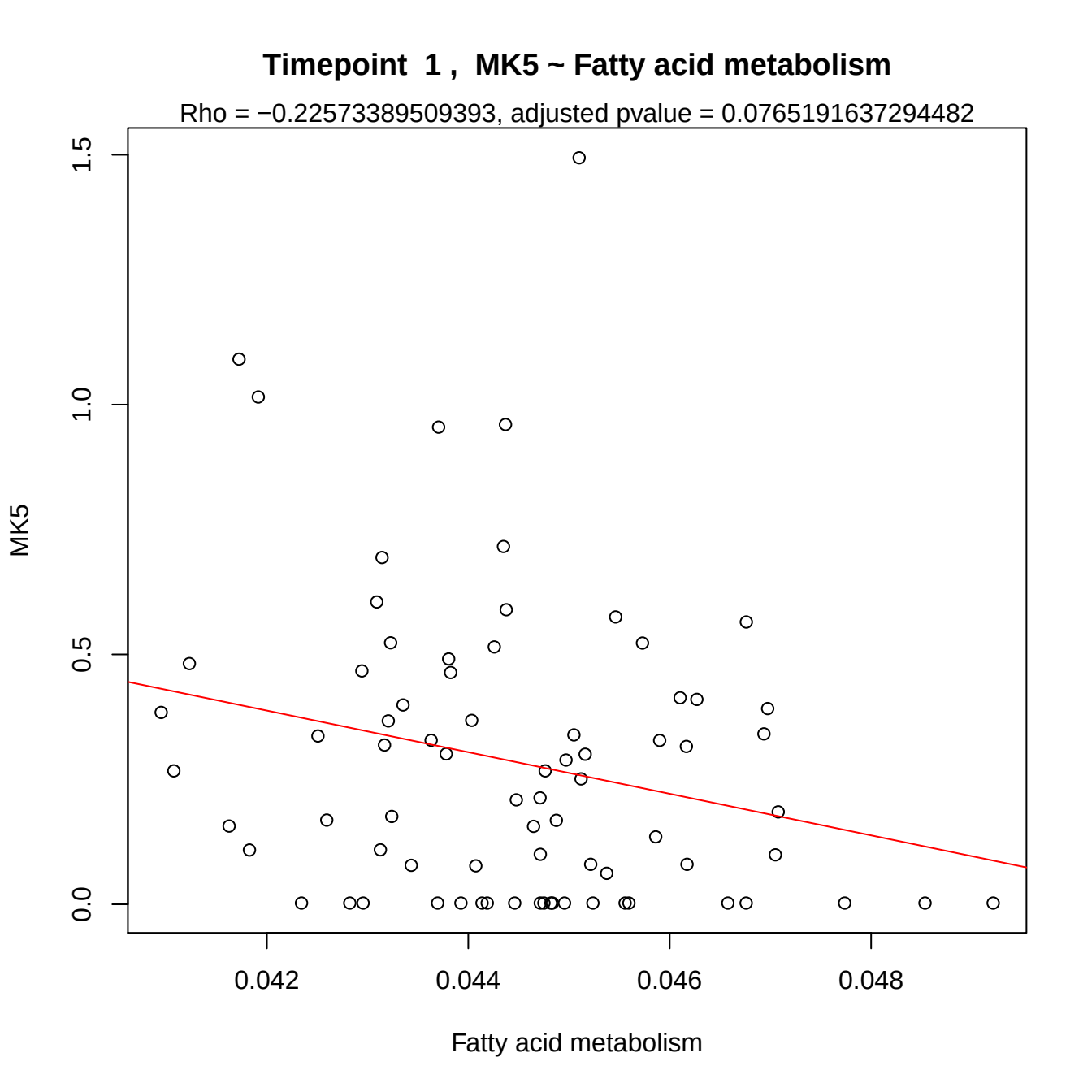

Timepoint 1 , MK5 ~ Cysteine and methionine metabolism
Rho = 0.486394260601851, adjusted pvalue = 3.40398894265104e−05
MK5
0.0
0.5
1.0
1.5
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

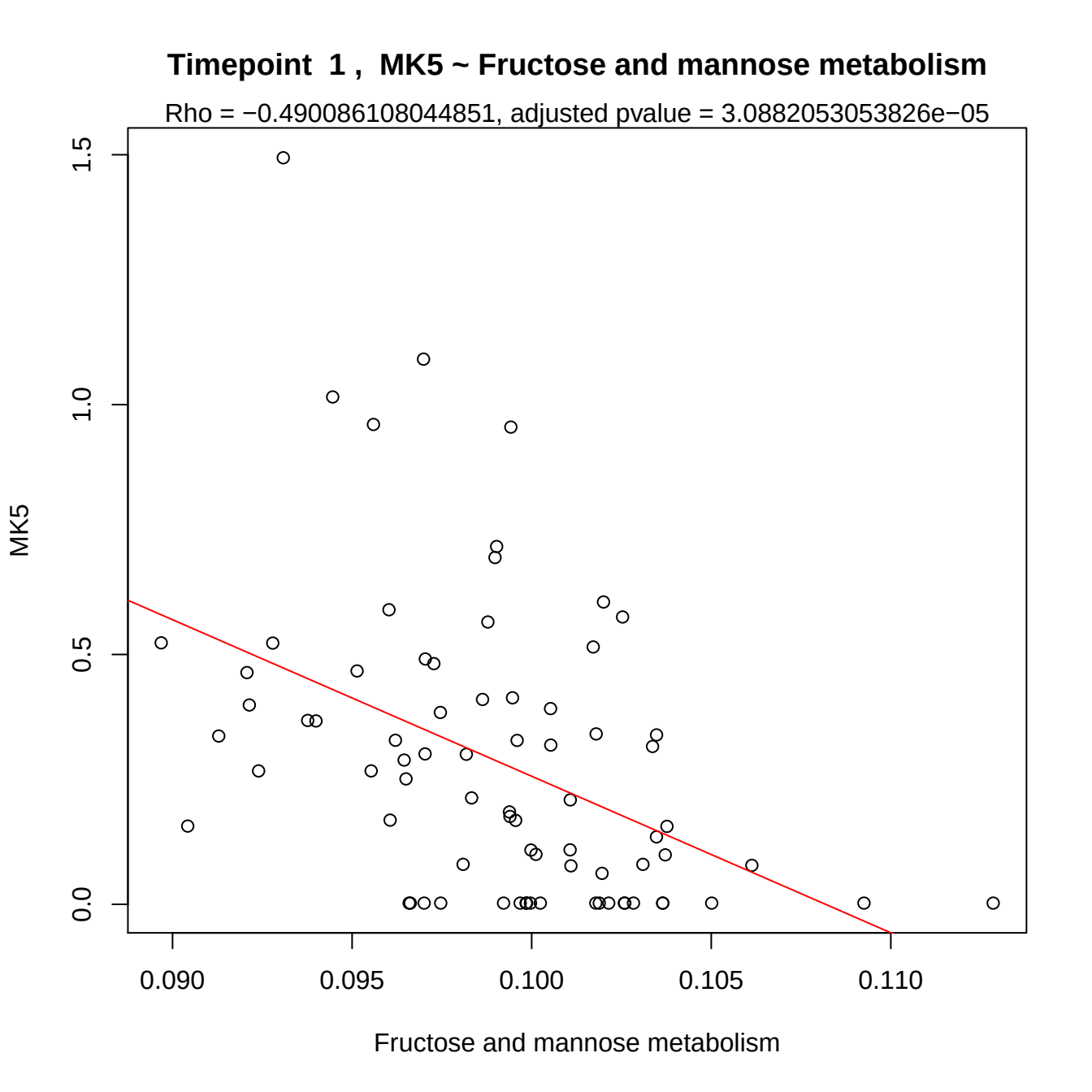

Timepoint 1 , MK5 ~ D−Alanine metabolism
Rho = 0.542382853478426, adjusted pvalue = 3.90195625806283e−06
MK5
0.0
0.5
1.0
1.5
0.030
0.032
0.034
0.036
D−Alanine metabolism

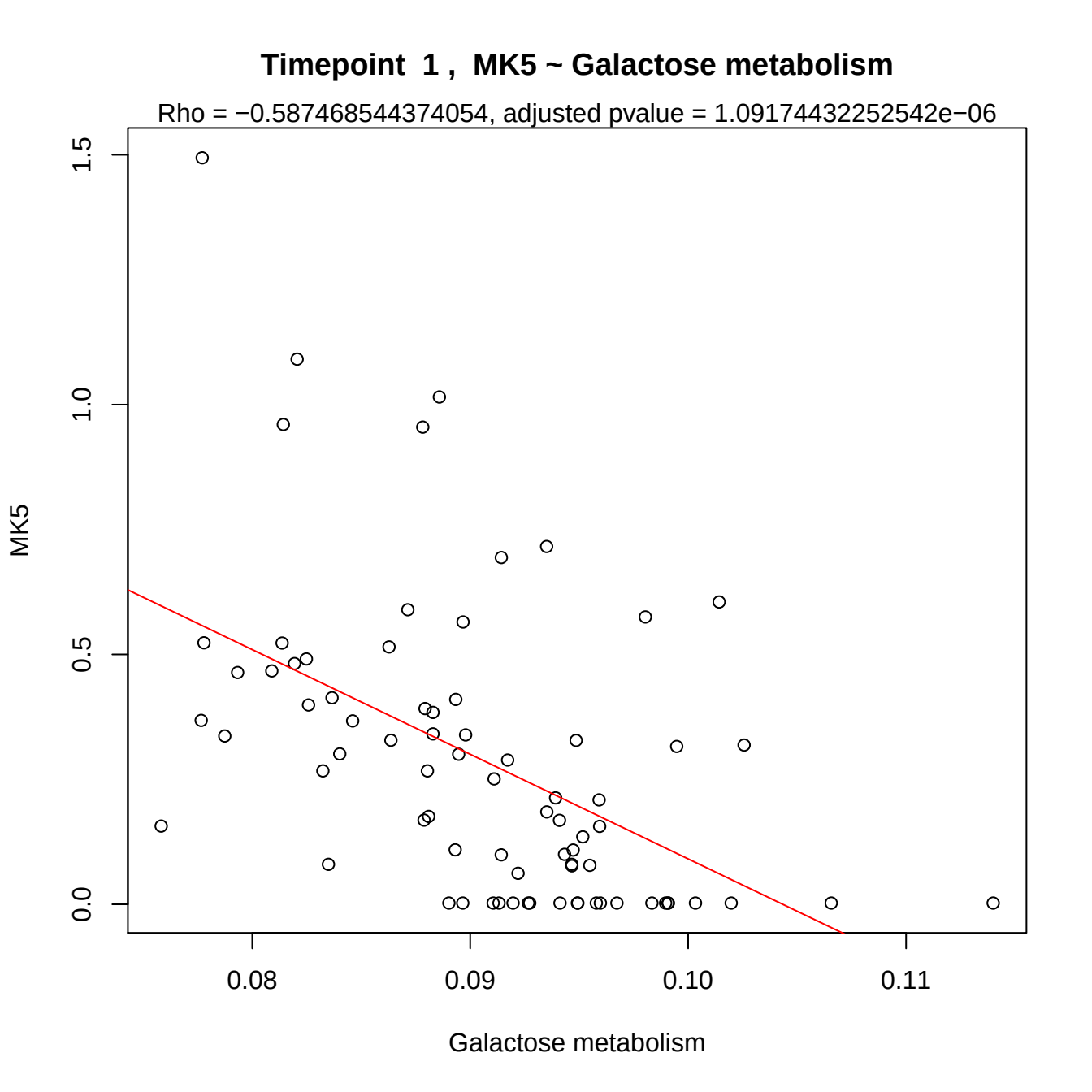

Timepoint 1 , MK5 ~ D−Glutamine and D−glutamate metabolism
Rho = 0.341482608450718, adjusted pvalue = 0.00510549296232125
MK5
0.0
0.5
1.0
1.5
0.038
0.040
0.042
D−Glutamine and D−glutamate metabolism

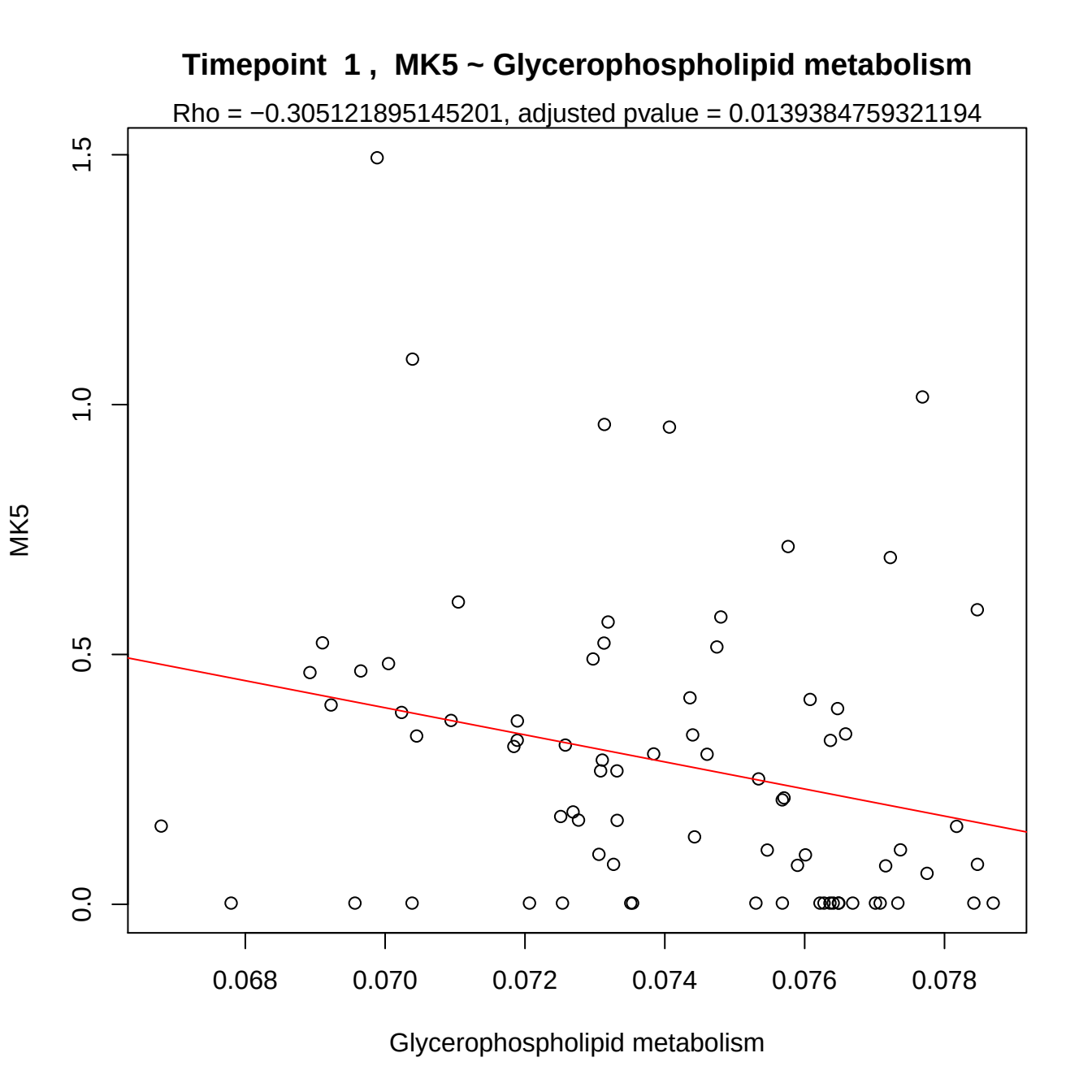

Timepoint 1 , MK5 ~ Ether lipid metabolism
Rho = −0.210939945268383, adjusted pvalue = 0.0941217806396592
MK5
0.0
0.5
1.0
1.5
0.001
0.002
0.003
0.004
0.005
0.006
0.007
Ether lipid metabolism

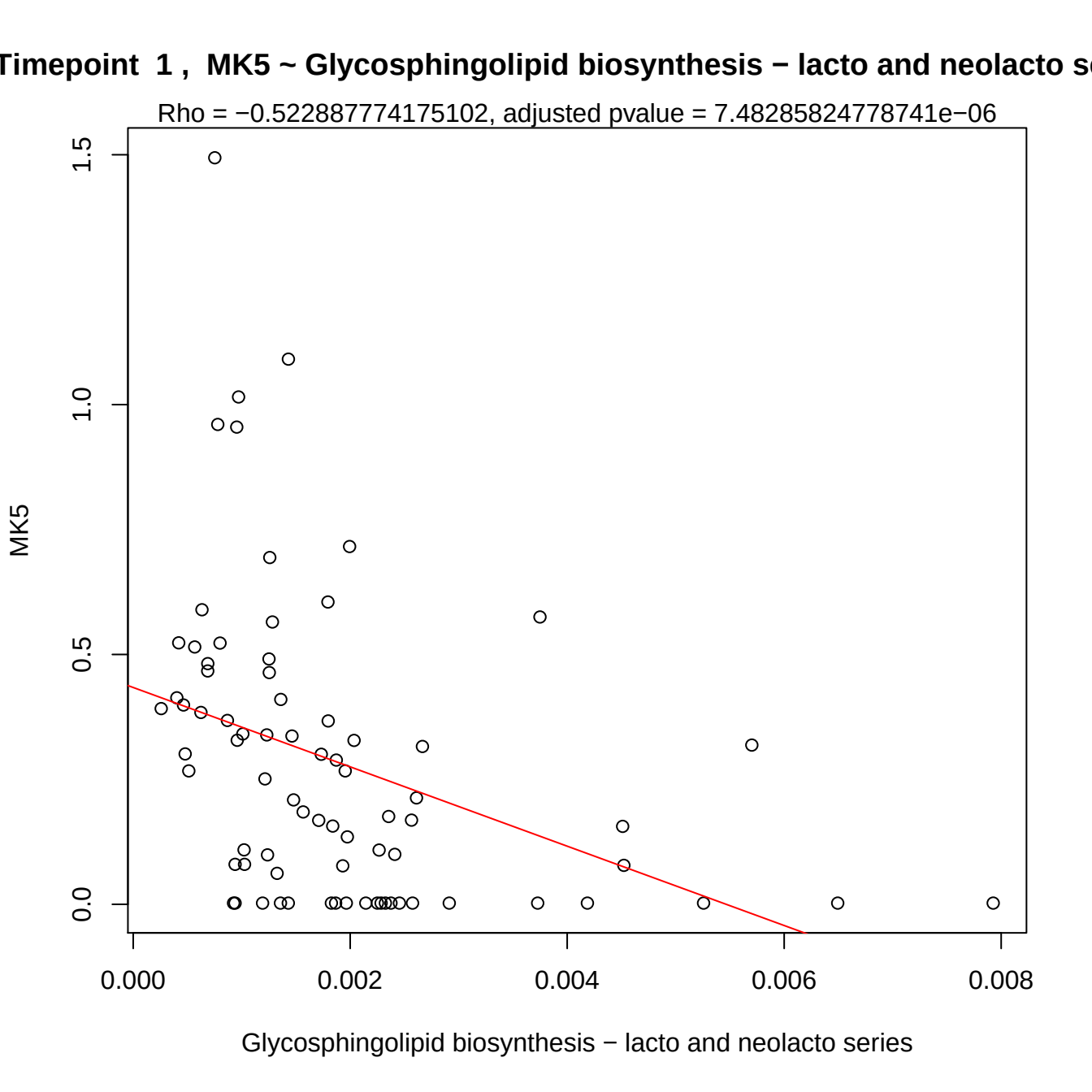

Timepoint 1 , MK5 ~ Fatty acid biosynthesis
Rho = −0.18299876893719, adjusted pvalue = 0.151820341883968
MK5
0.0
0.5
1.0
1.5
0.066
0.068
0.070
0.072
0.074
0.076
Fatty acid biosynthesis

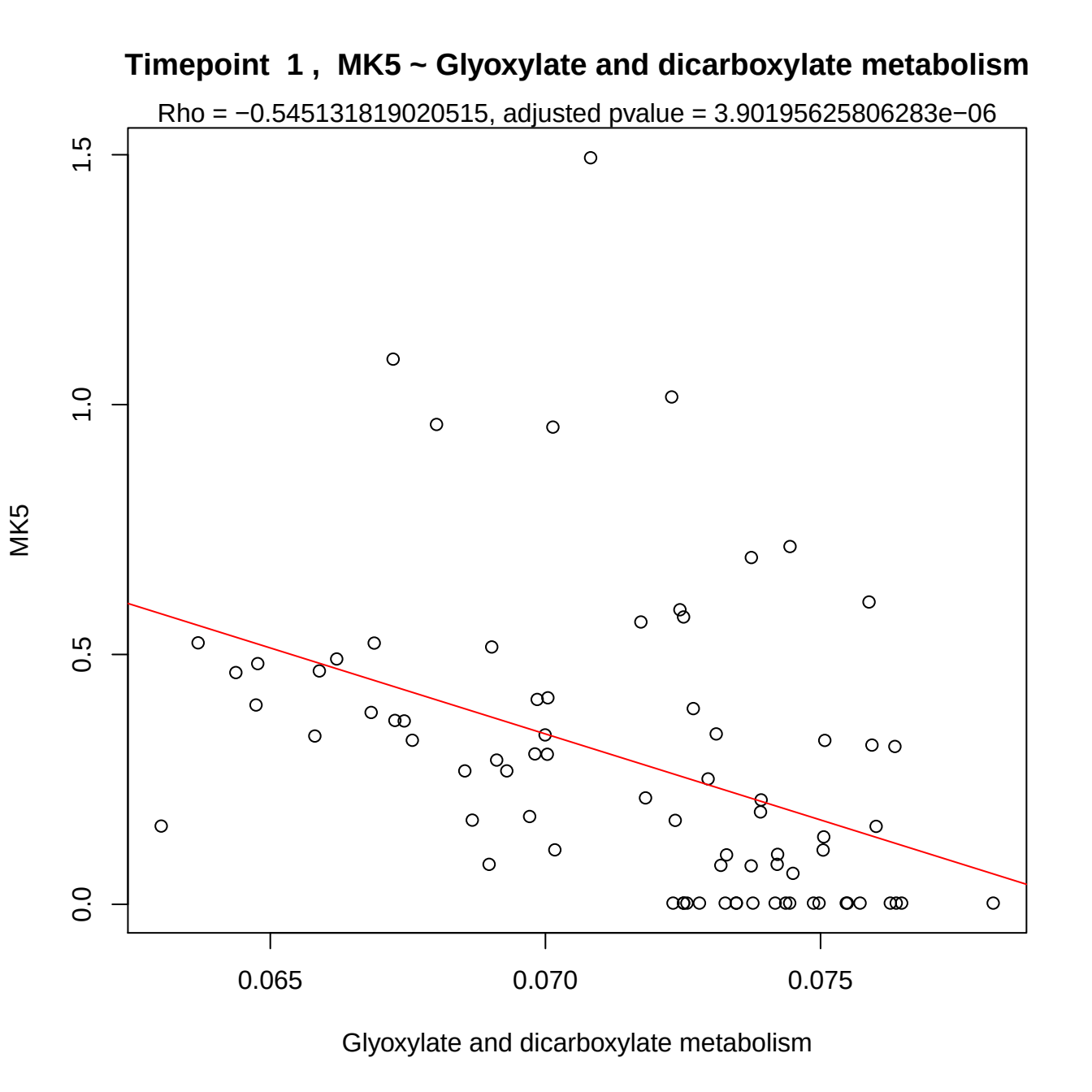

Timepoint 1 , MK5 ~ Fatty acid metabolism
Rho = −0.22573389509393, adjusted pvalue = 0.0765191637294482
MK5
0.0
0.5
1.0
1.5
0.042
0.044
0.046
0.048
Fatty acid metabolism

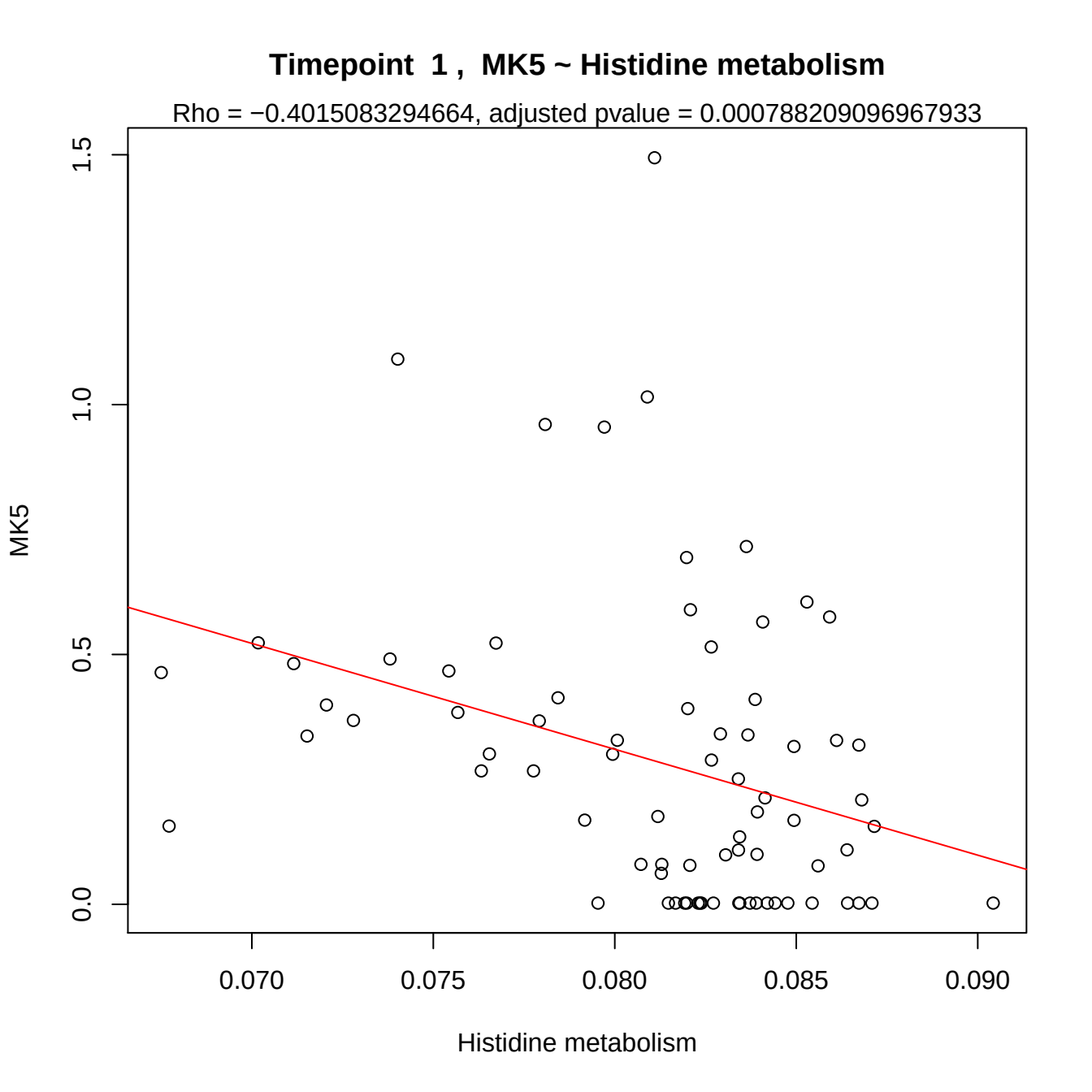

Timepoint 1 , MK5 ~ Fructose and mannose metabolism
Rho = −0.490086108044851, adjusted pvalue = 3.0882053053826e−05
MK5
0.0
0.5
1.0
1.5
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

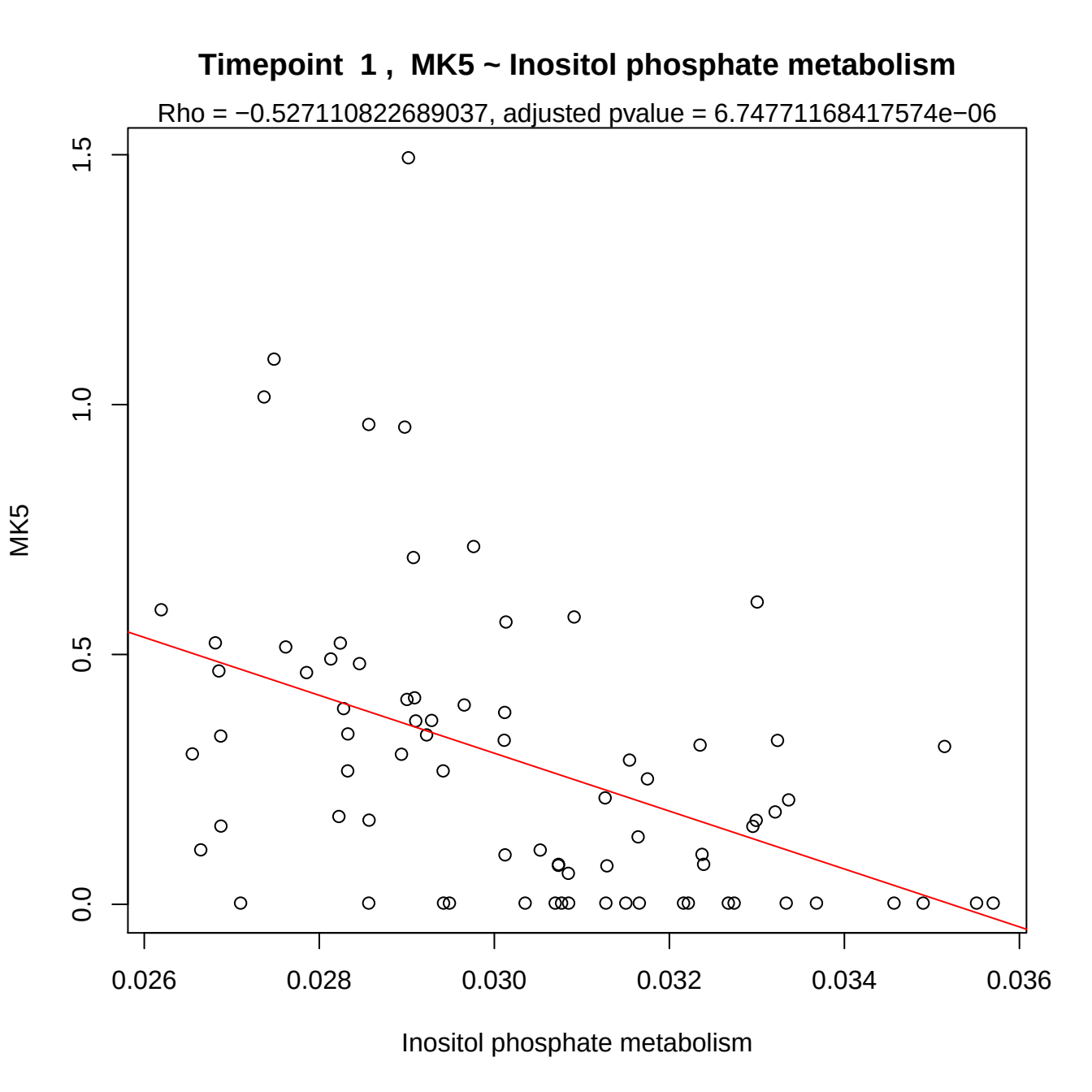

Timepoint 1 , MK5 ~ Galactose metabolism
Rho = −0.587468544374054, adjusted pvalue = 1.09174432252542e−06
MK5
0.0
0.5
1.0
1.5
0.08
0.09
0.10
0.11
Galactose metabolism

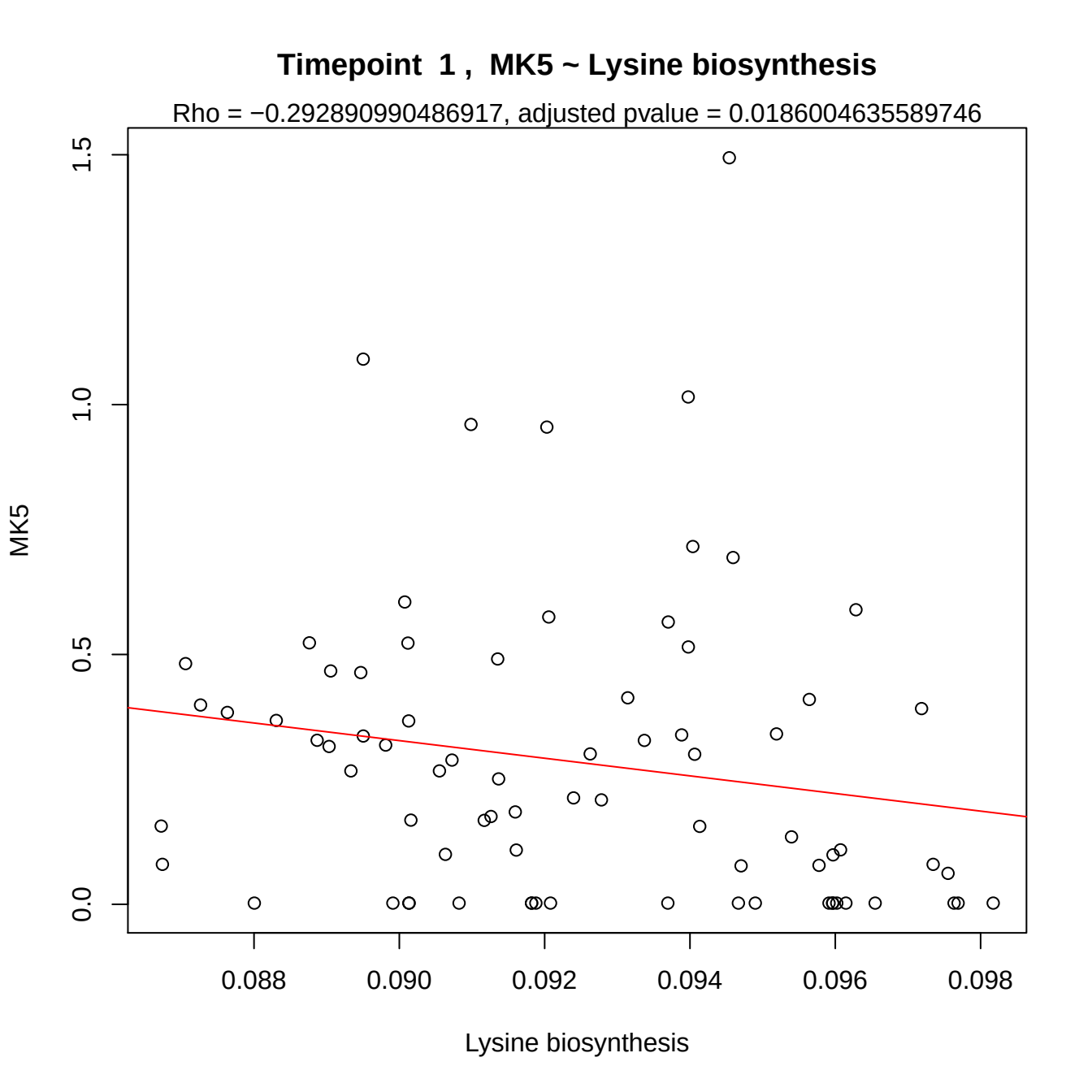

Timepoint 1 , MK5 ~ Glycerophospholipid metabolism
Rho = −0.305121895145201, adjusted pvalue = 0.0139384759321194
MK5
0.0
0.5
1.0
1.5
0.068
0.070
0.072
0.074
0.076
0.078
Glycerophospholipid metabolism

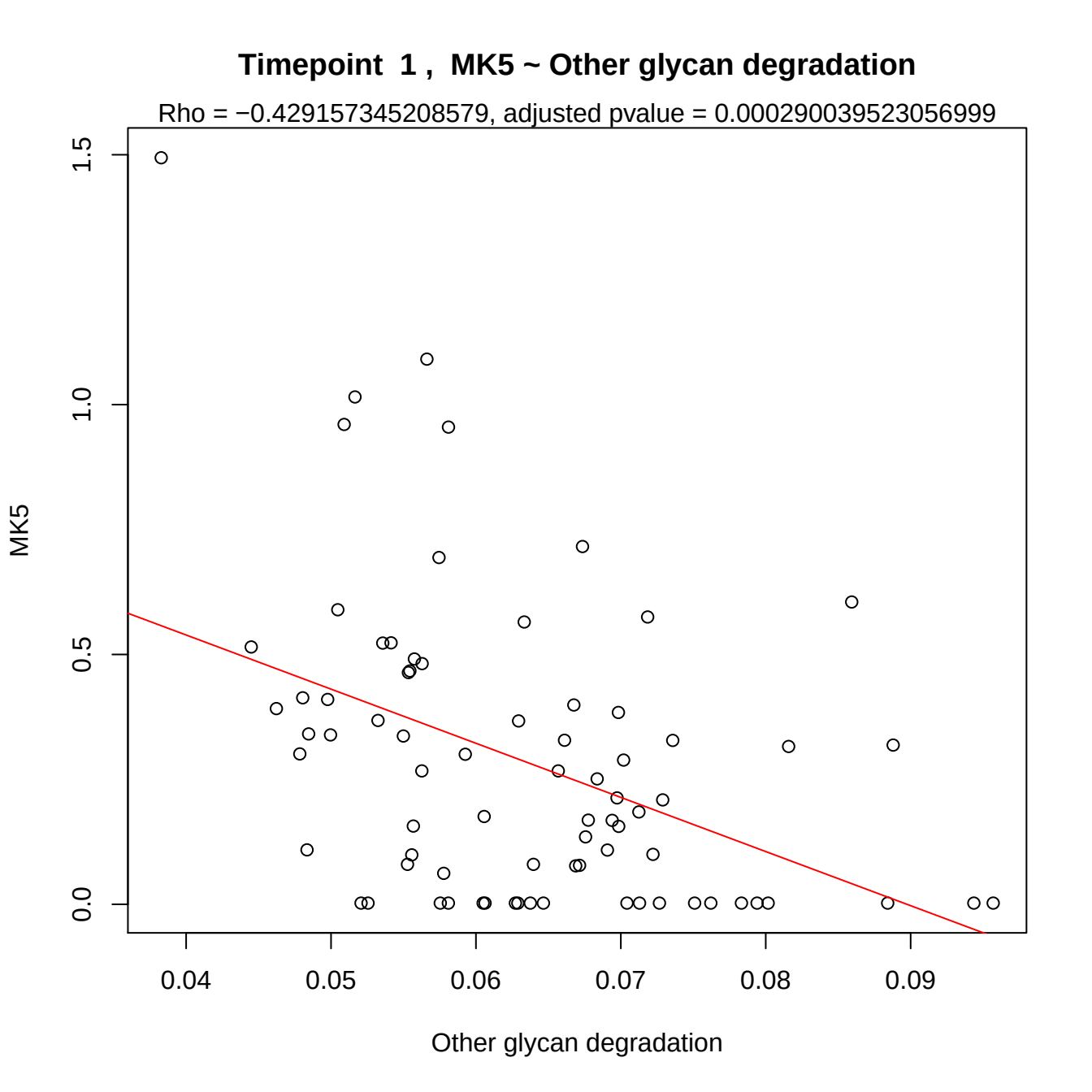

Timepoint 1 , MK5 ~ Glycosphingolipid biosynthesis − lacto and neolacto s
Rho = −0.522887774175102, adjusted pvalue = 7.48285824778741e−06
MK5
0.0
0.5
1.0
1.5
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

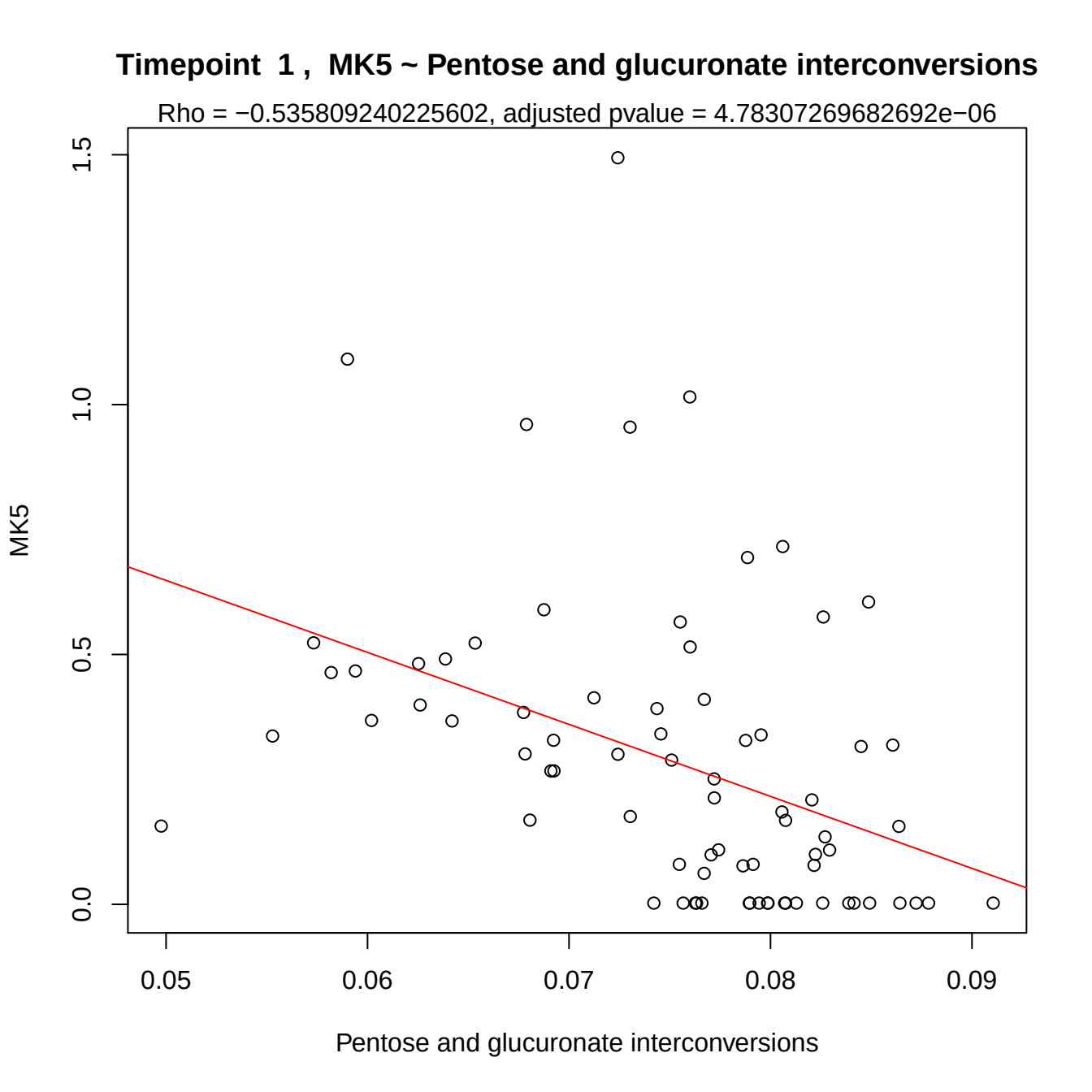

Timepoint 1 , MK5 ~ Glyoxylate and dicarboxylate metabolism
Rho = −0.545131819020515, adjusted pvalue = 3.90195625806283e−06
MK5
0.0
0.5
1.0
1.5
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

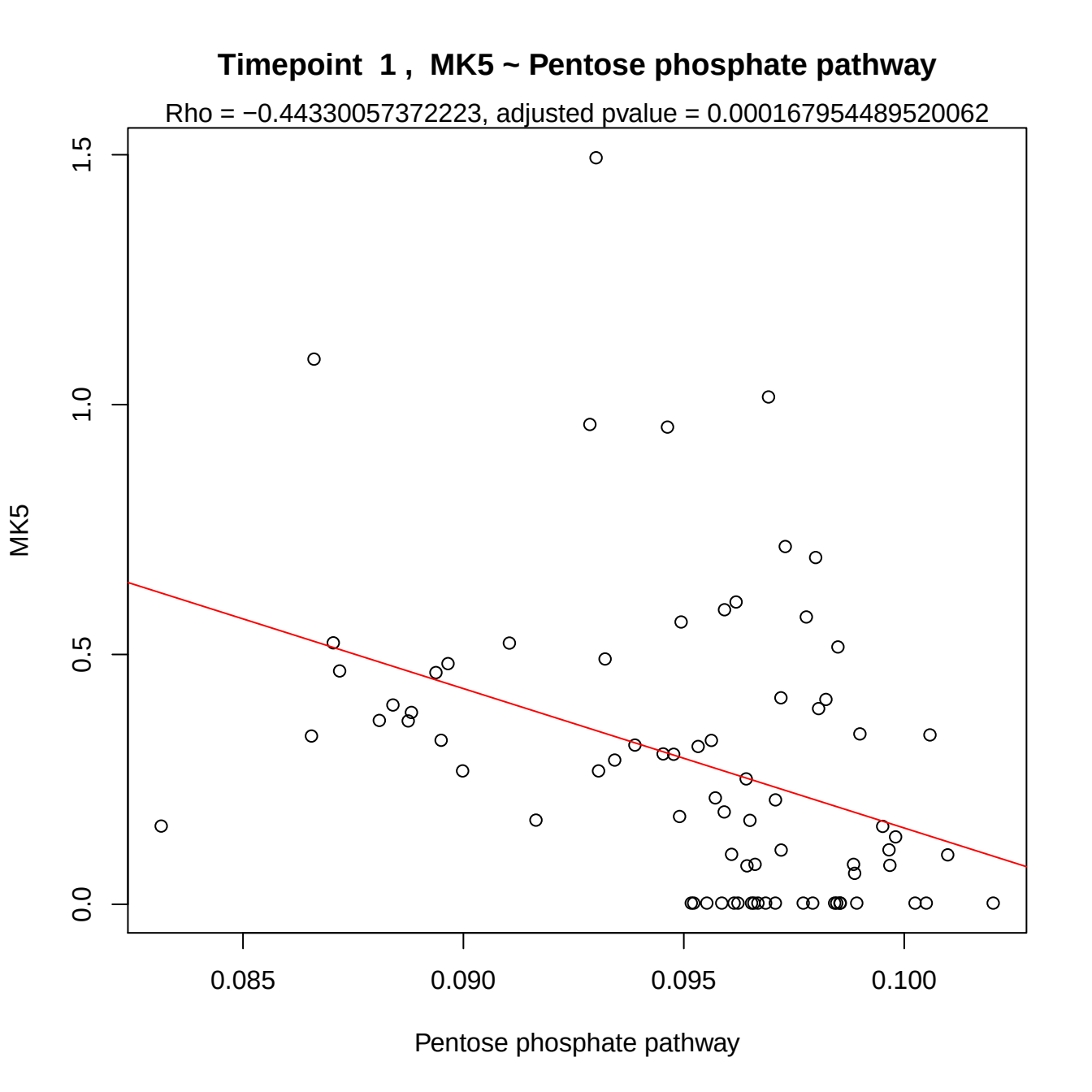

Timepoint 1 , MK5 ~ Histidine metabolism
Rho = −0.4015083294664, adjusted pvalue = 0.000788209096967933
MK5
0.0
0.5
1.0
1.5
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

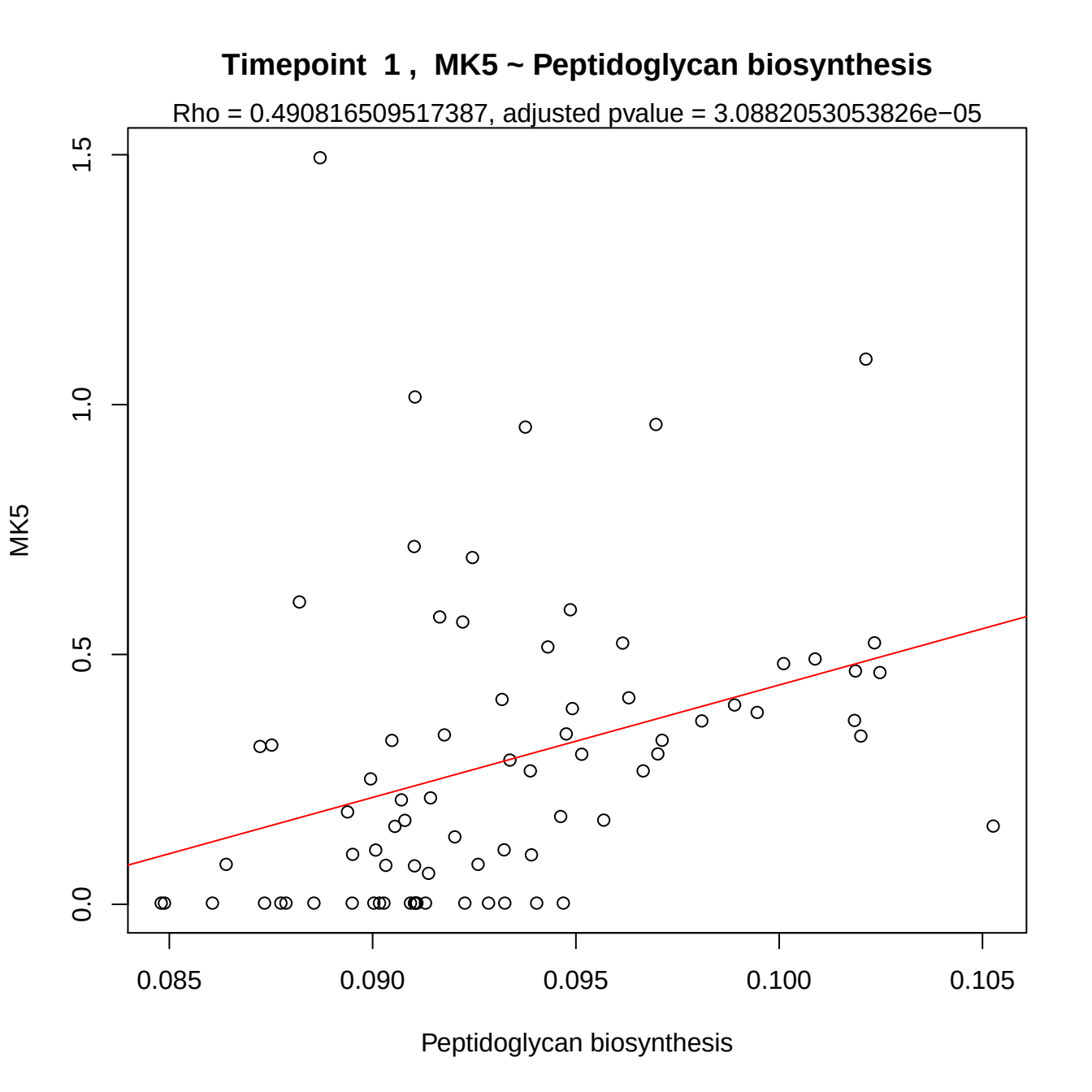

Timepoint 1 , MK5 ~ Inositol phosphate metabolism
Rho = −0.527110822689037, adjusted pvalue = 6.74771168417574e−06
MK5
0.0
0.5
1.0
1.5
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

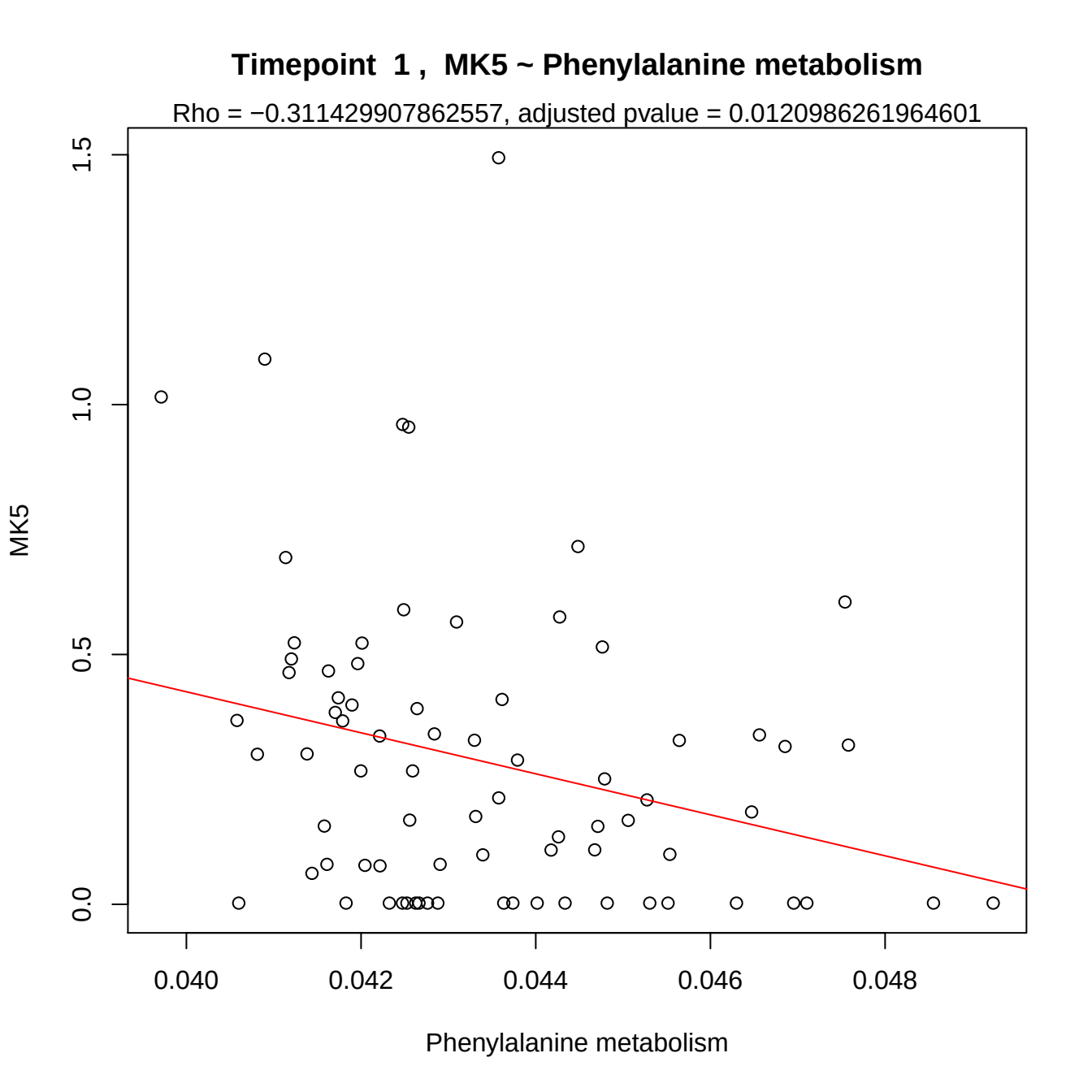

Timepoint 1 , MK5 ~ Lysine biosynthesis
Rho = −0.292890990486917, adjusted pvalue = 0.0186004635589746
MK5
0.0
0.5
1.0
1.5
0.088
0.090
0.092
0.094
0.096
0.098
Lysine biosynthesis

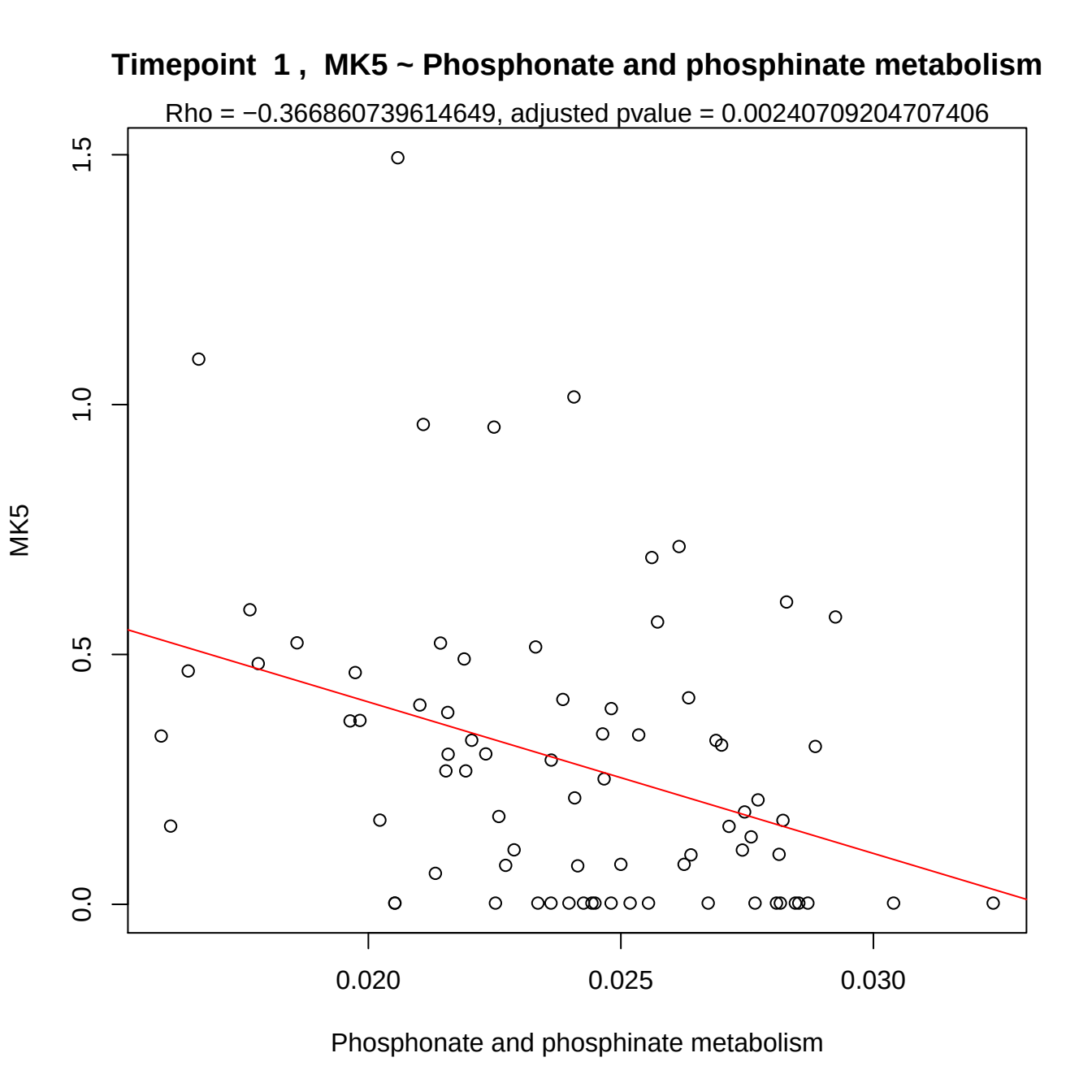

Timepoint 1 , MK5 ~ Other glycan degradation
Rho = −0.429157345208579, adjusted pvalue = 0.000290039523056999
MK5
0.0
0.5
1.0
1.5
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

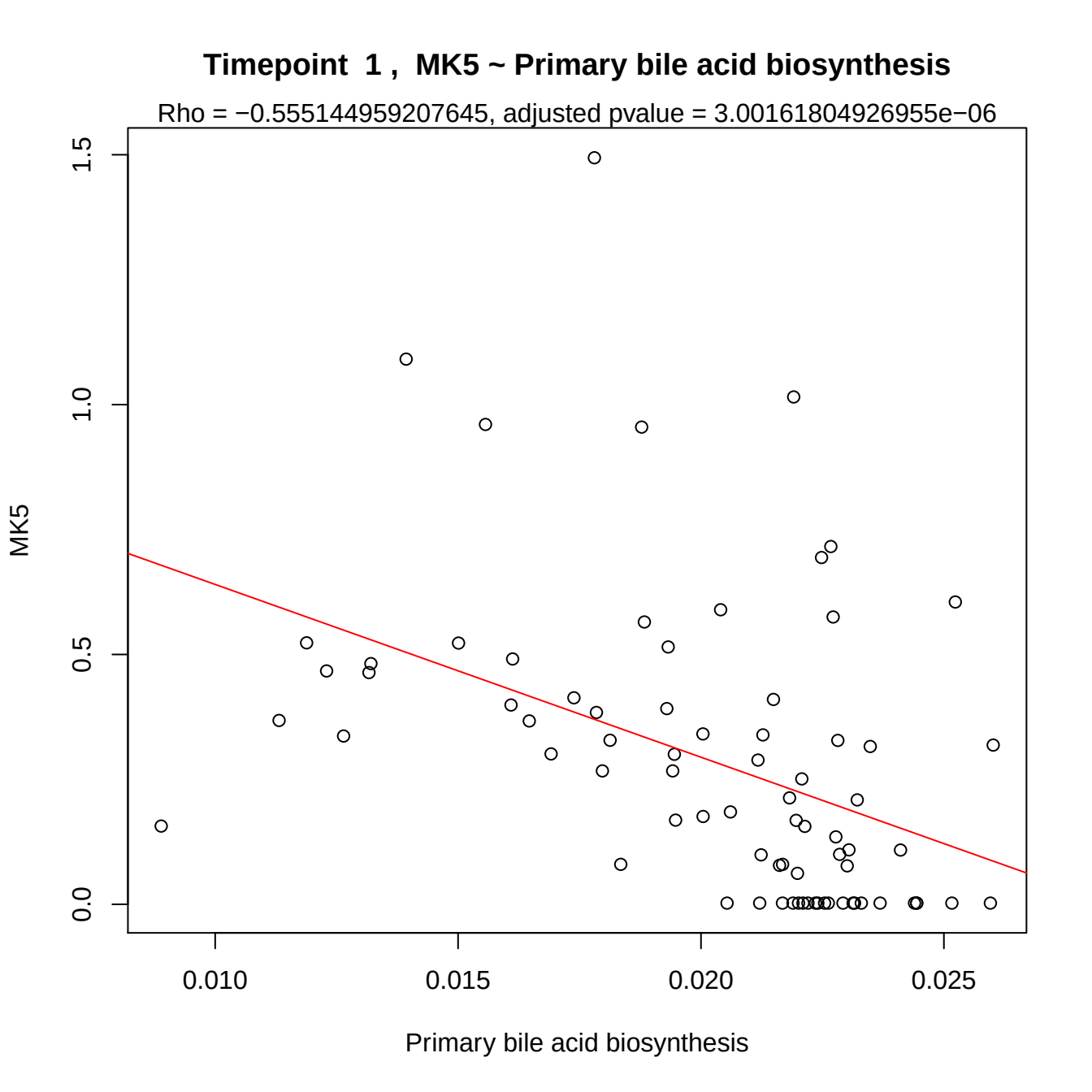

Timepoint 1 , MK5 ~ Pentose and glucuronate interconversions
Rho = −0.535809240225602, adjusted pvalue = 4.78307269682692e−06
MK5
0.0
0.5
1.0
1.5
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

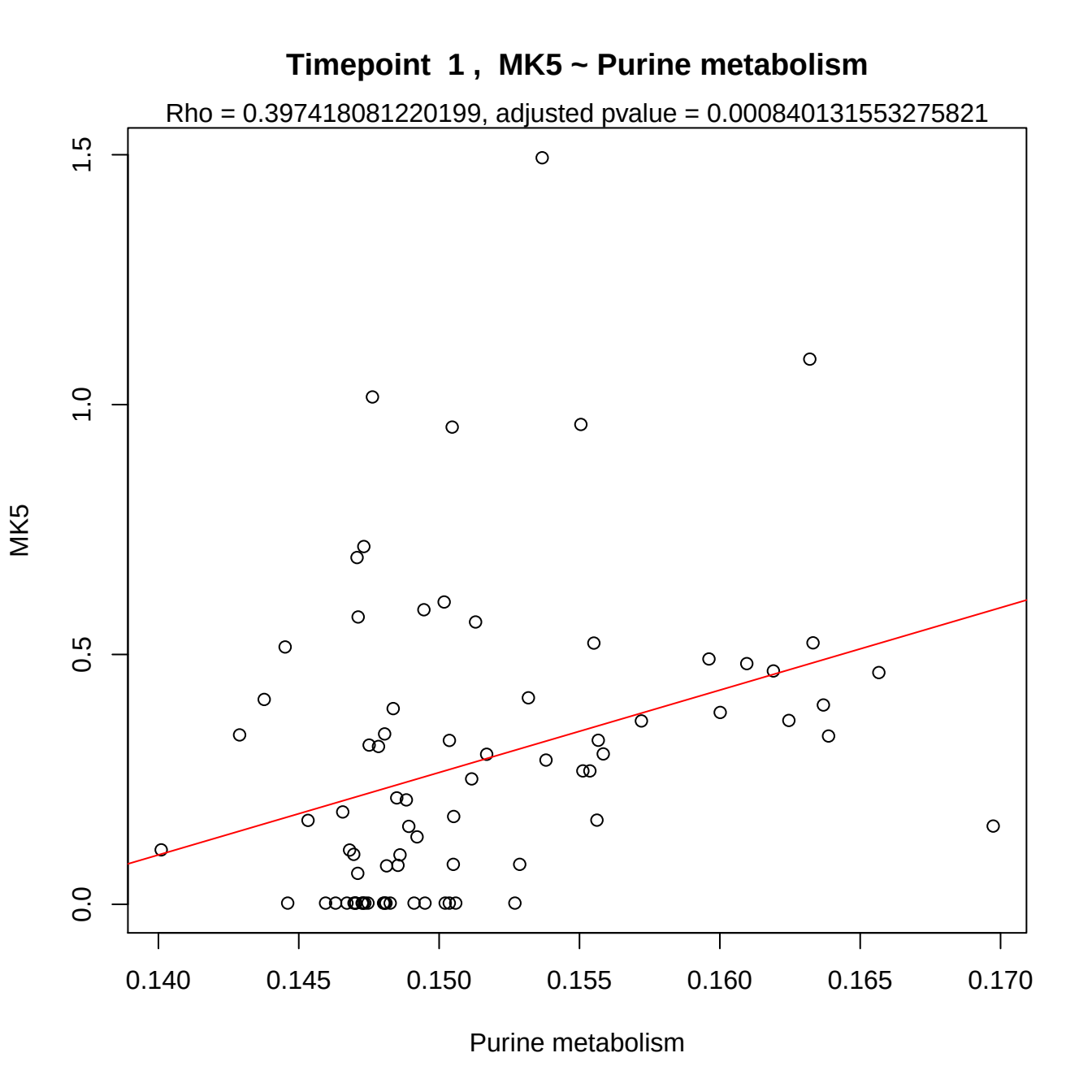

Timepoint 1 , MK5 ~ Pentose phosphate pathway
Rho = −0.44330057372223, adjusted pvalue = 0.000167954489520062
MK5
0.0
0.5
1.0
1.5
0.085
0.090
0.095
0.100
Pentose phosphate pathway

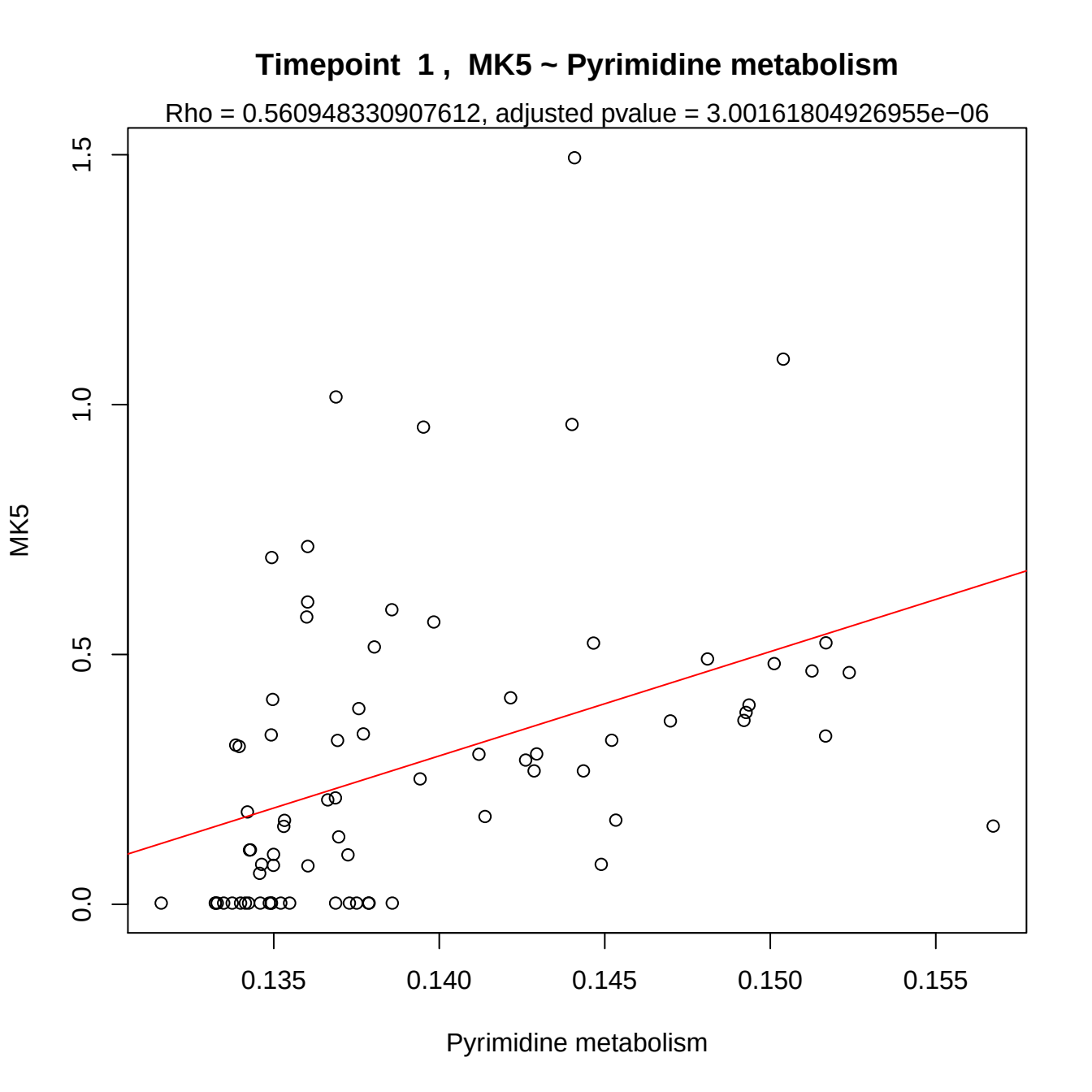

Timepoint 1 , MK5 ~ Peptidoglycan biosynthesis
Rho = 0.490816509517387, adjusted pvalue = 3.0882053053826e−05
MK5
0.0
0.5
1.0
1.5
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

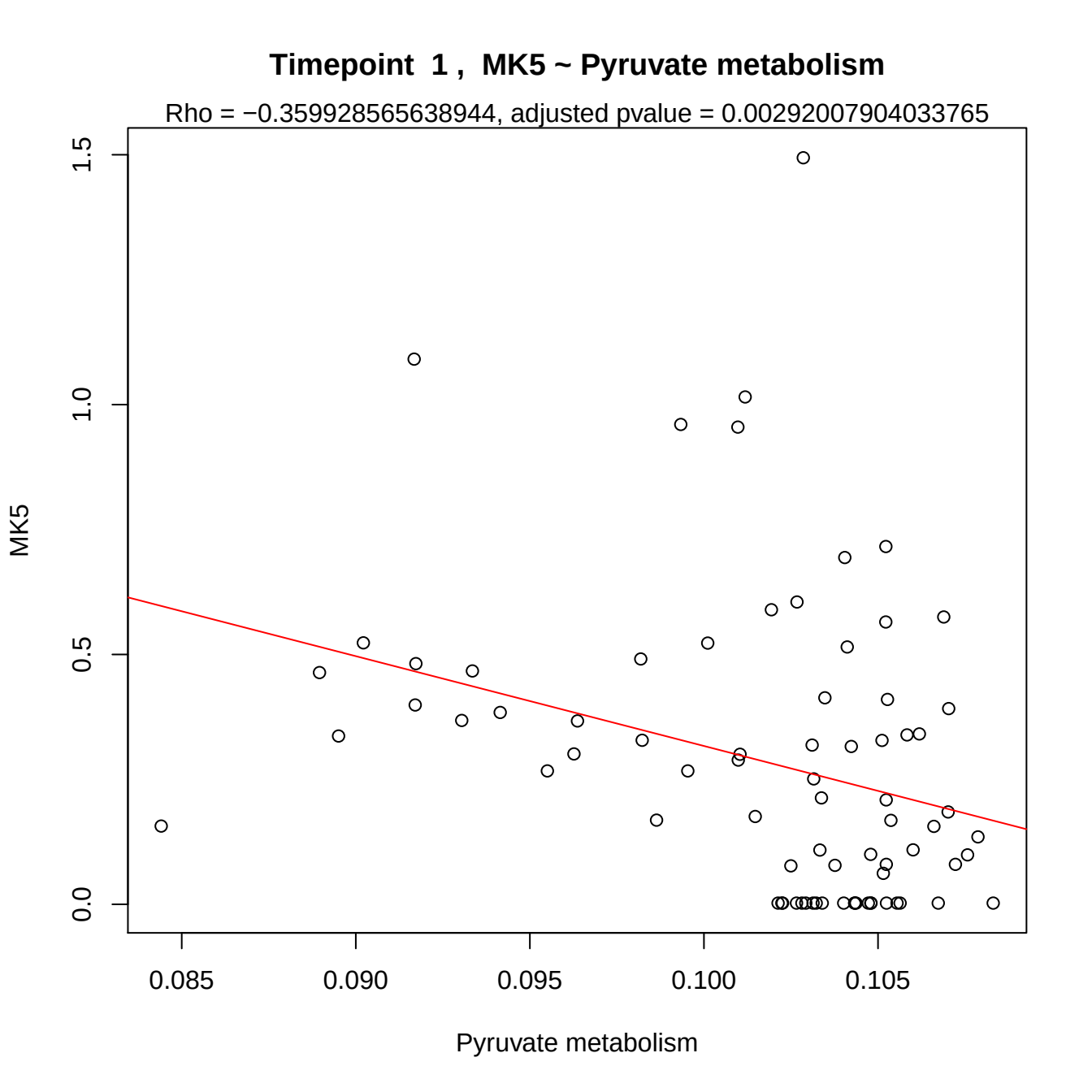

Timepoint 1 , MK5 ~ Phenylalanine metabolism
Rho = −0.311429907862557, adjusted pvalue = 0.0120986261964601
MK5
0.0
0.5
1.0
1.5
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

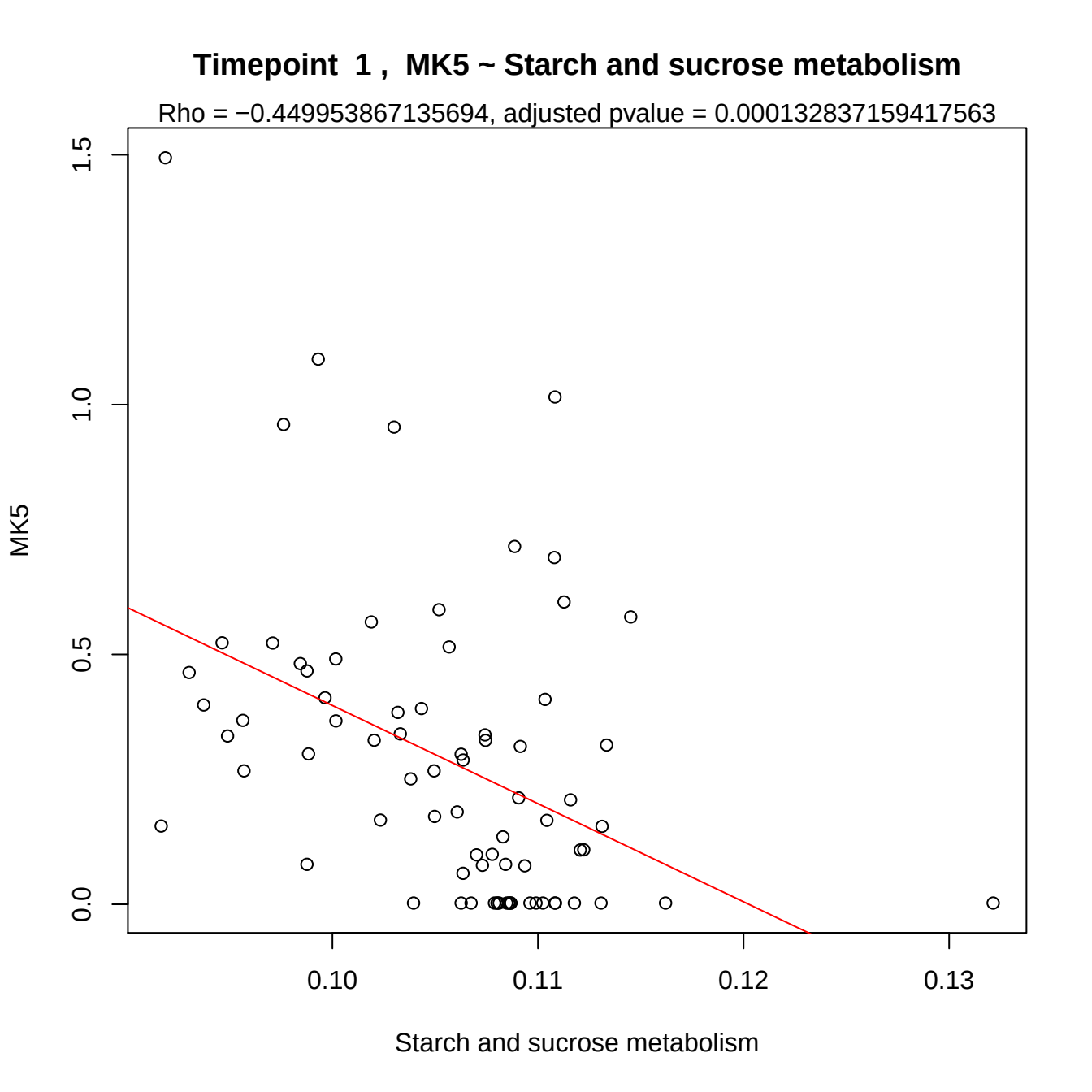

Timepoint 1 , MK5 ~ Phosphonate and phosphinate metabolism
Rho = −0.366860739614649, adjusted pvalue = 0.00240709204707406
MK5
0.0
0.5
1.0
1.5
0.020
0.025
0.030
Phosphonate and phosphinate metabolism

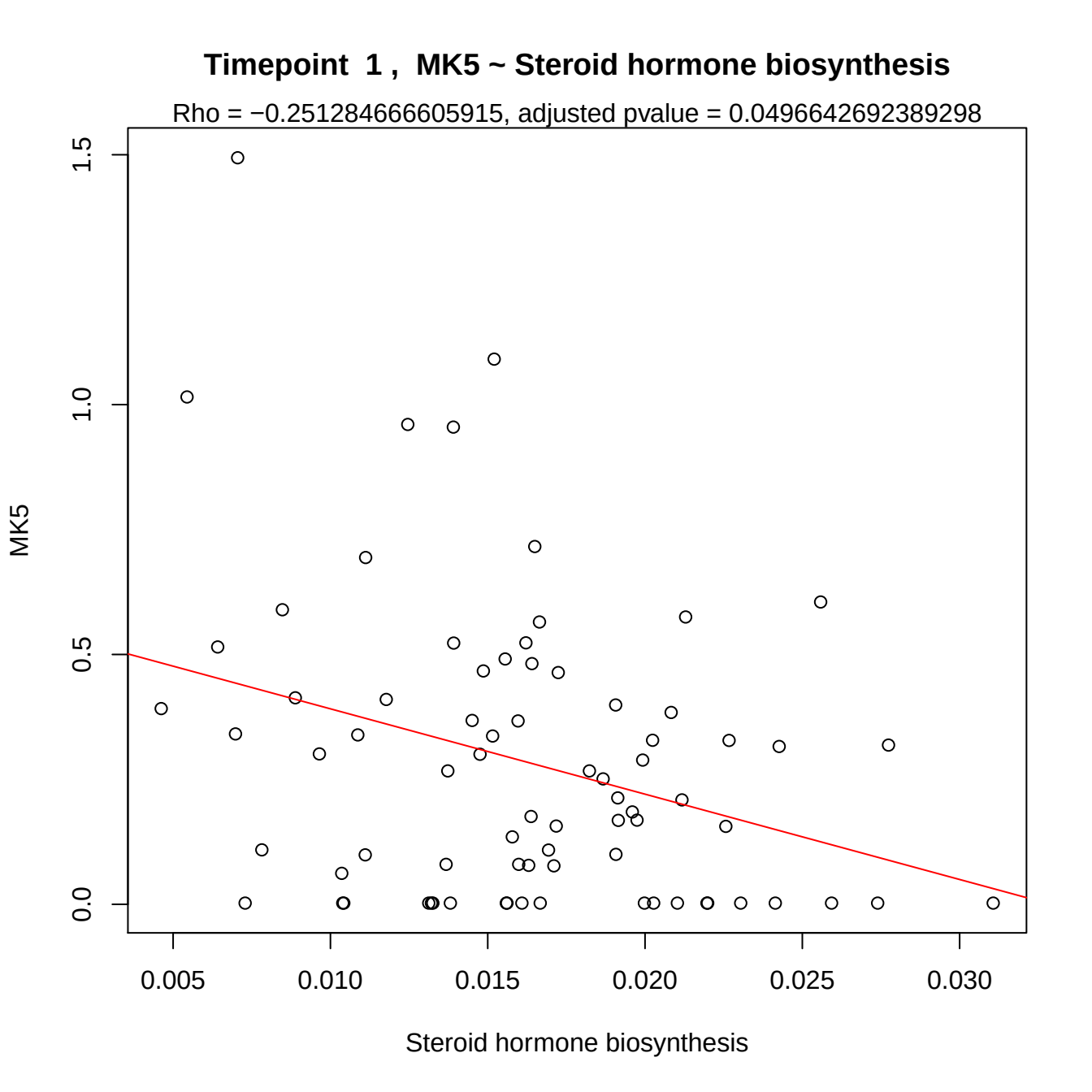

Timepoint 1 , MK5 ~ Primary bile acid biosynthesis
Rho = −0.555144959207645, adjusted pvalue = 3.00161804926955e−06
MK5
0.0
0.5
1.0
1.5
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

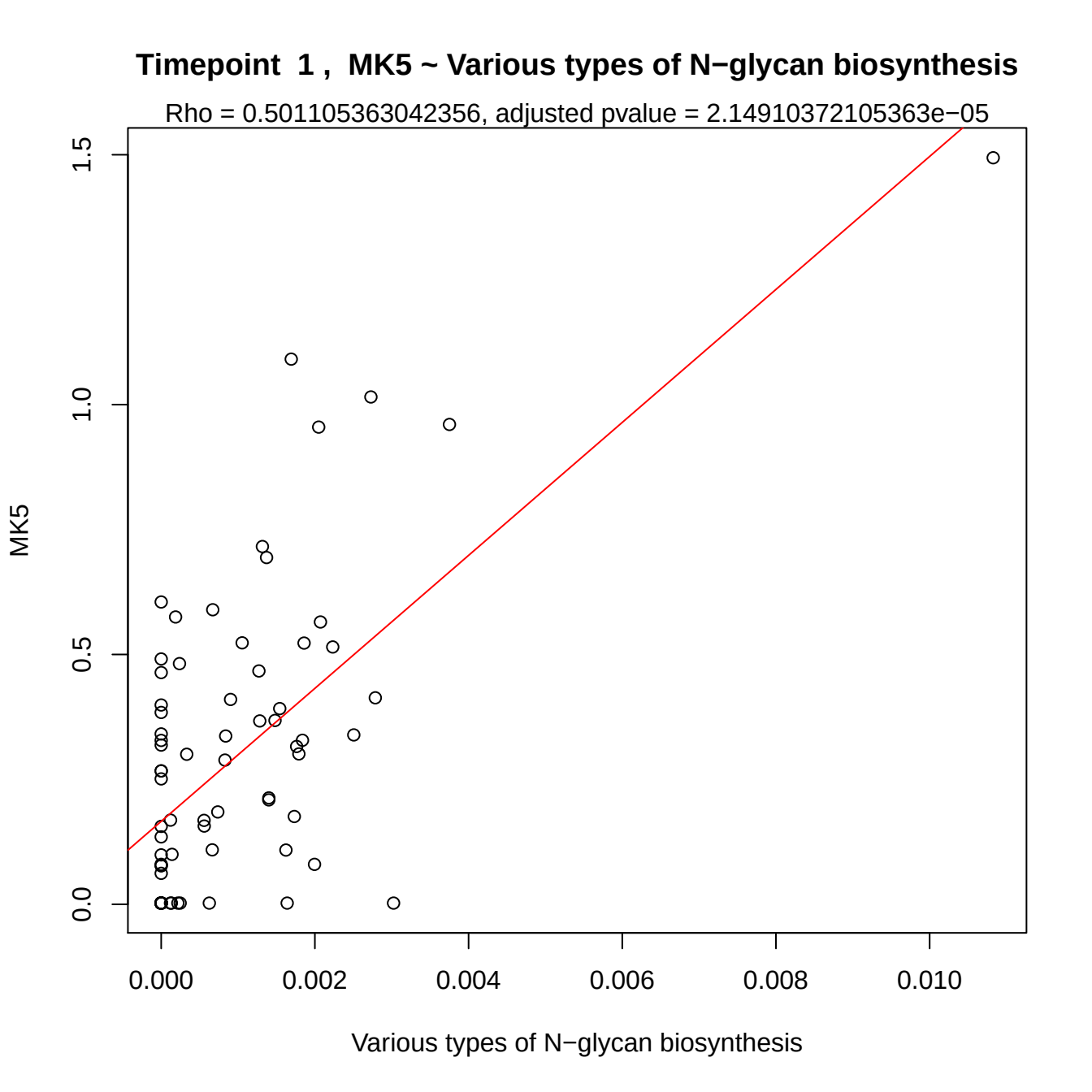

Timepoint 1 , MK5 ~ Purine metabolism
Rho = 0.397418081220199, adjusted pvalue = 0.000840131553275821
MK5
0.0
0.5
1.0
1.5
0.140
0.145
0.150
0.155
0.160
0.165
0.170
Purine metabolism

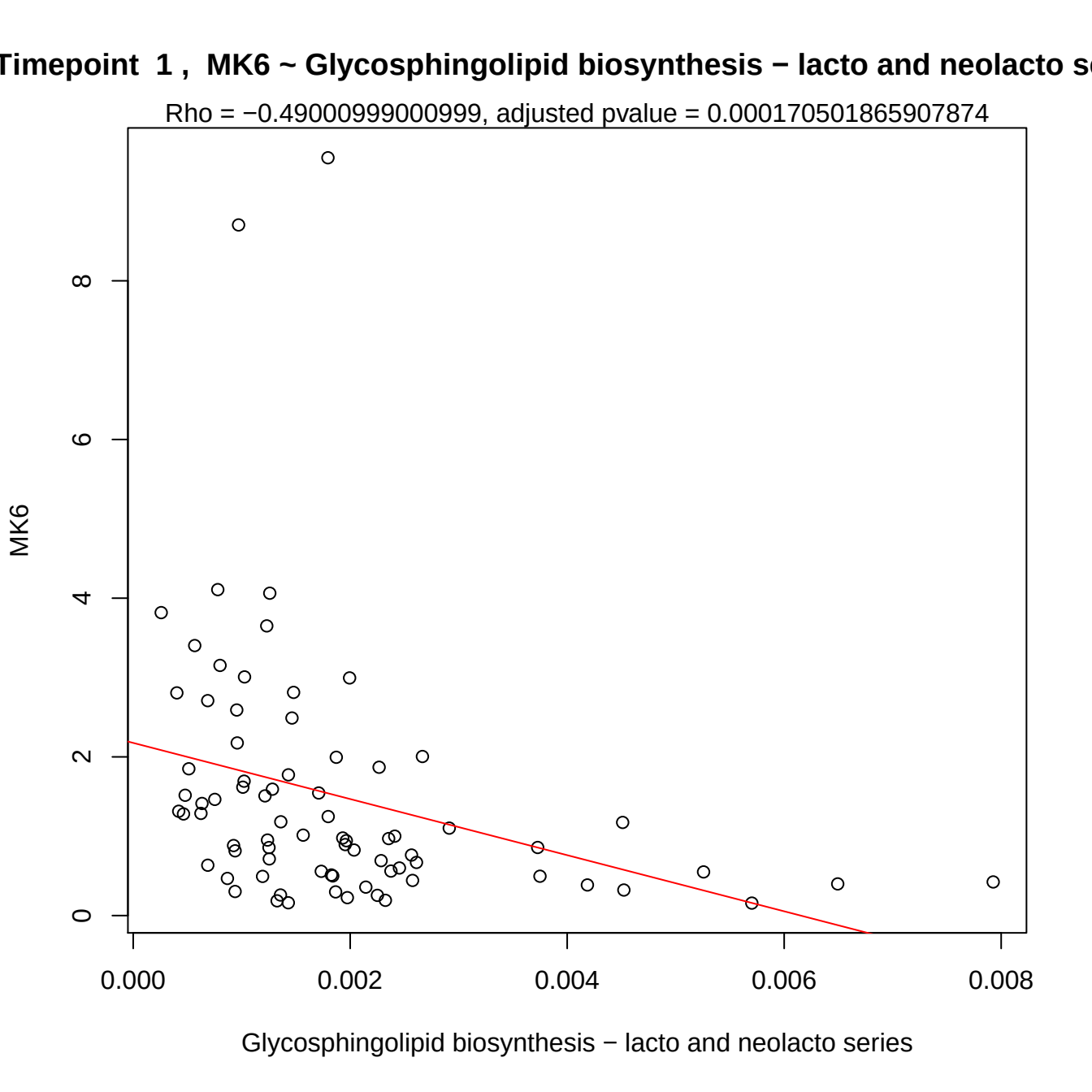

Timepoint 1 , MK5 ~ Pyrimidine metabolism
Rho = 0.560948330907612, adjusted pvalue = 3.00161804926955e−06
MK5
0.0
0.5
1.0
1.5
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

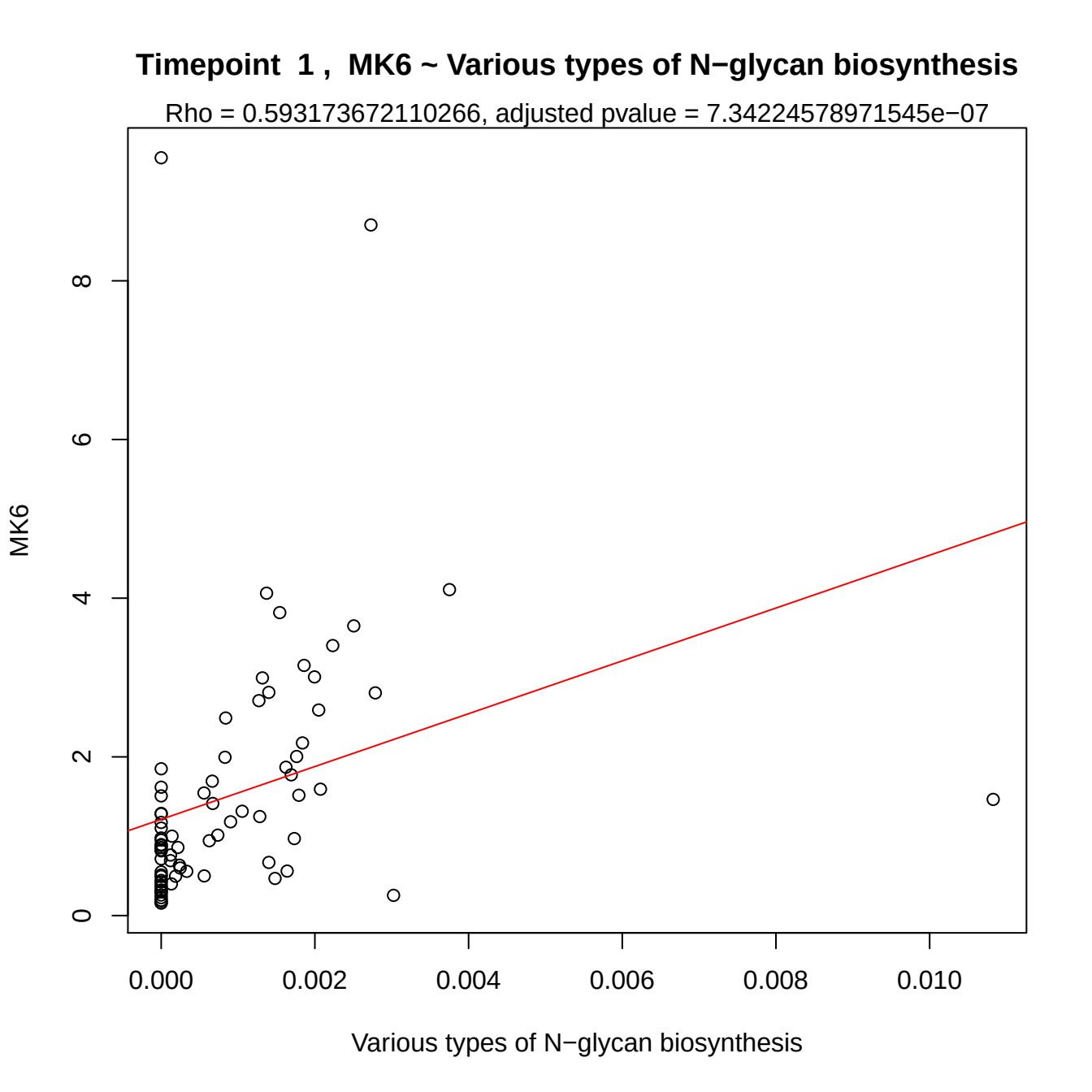

Timepoint 1 , MK5 ~ Pyruvate metabolism
Rho = −0.359928565638944, adjusted pvalue = 0.00292007904033765
MK5
0.0
0.5
1.0
1.5
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

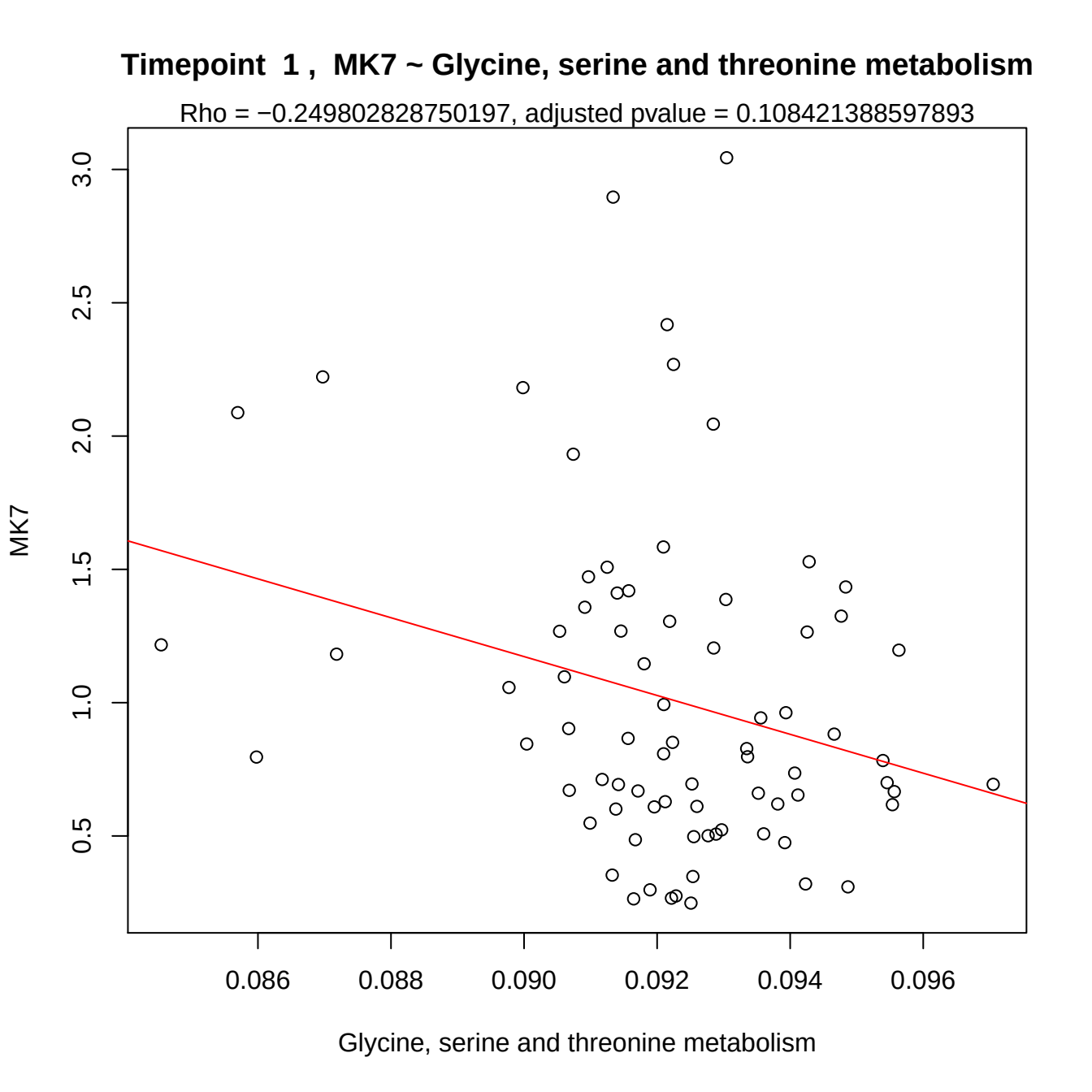

Timepoint 1 , MK5 ~ Starch and sucrose metabolism
Rho = −0.449953867135694, adjusted pvalue = 0.000132837159417563
MK5
0.0
0.5
1.0
1.5
0.10
0.11
0.12
0.13
Starch and sucrose metabolism

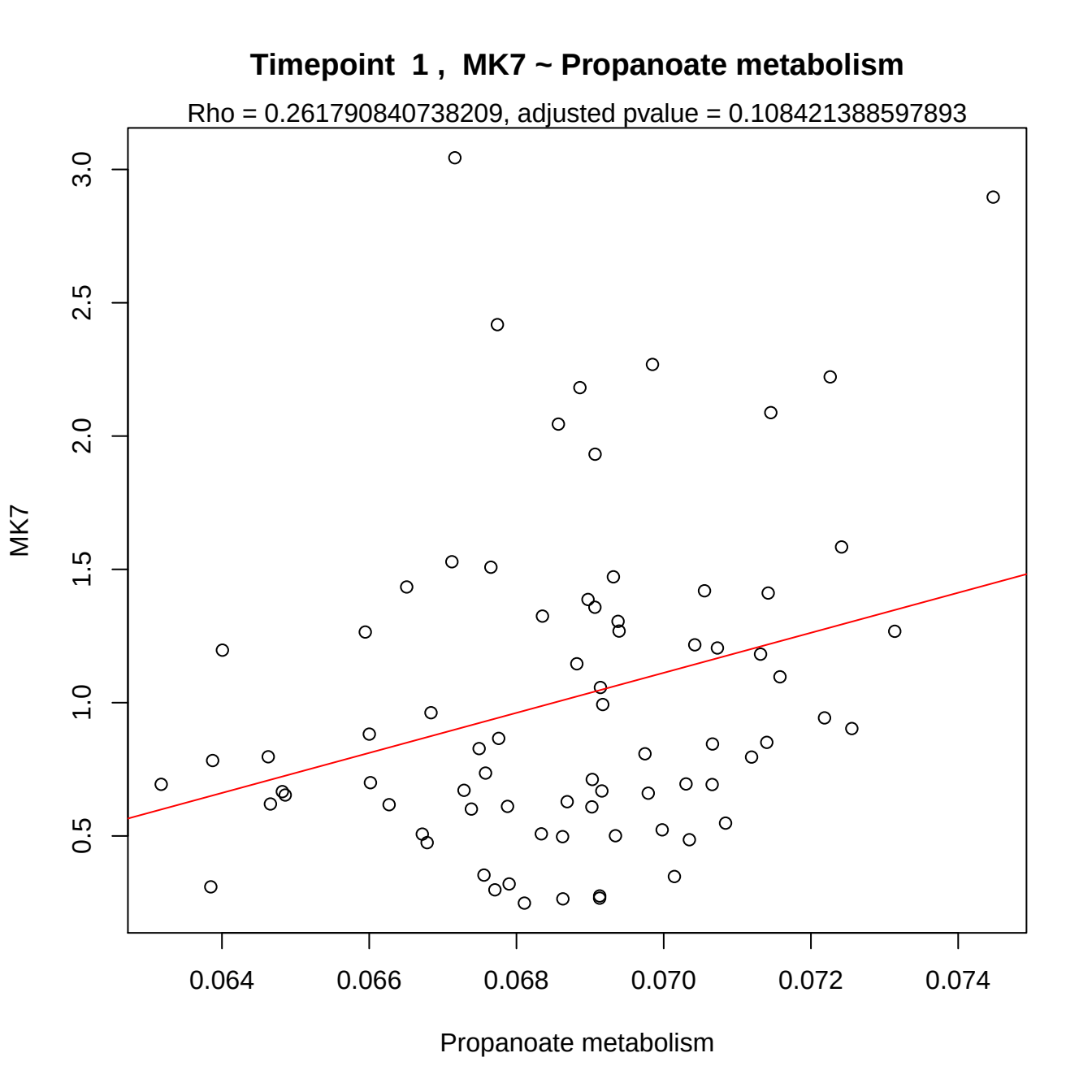

Timepoint 1 , MK5 ~ Steroid hormone biosynthesis
Rho = −0.251284666605915, adjusted pvalue = 0.0496642692389298
MK5
0.0
0.5
1.0
1.5
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis

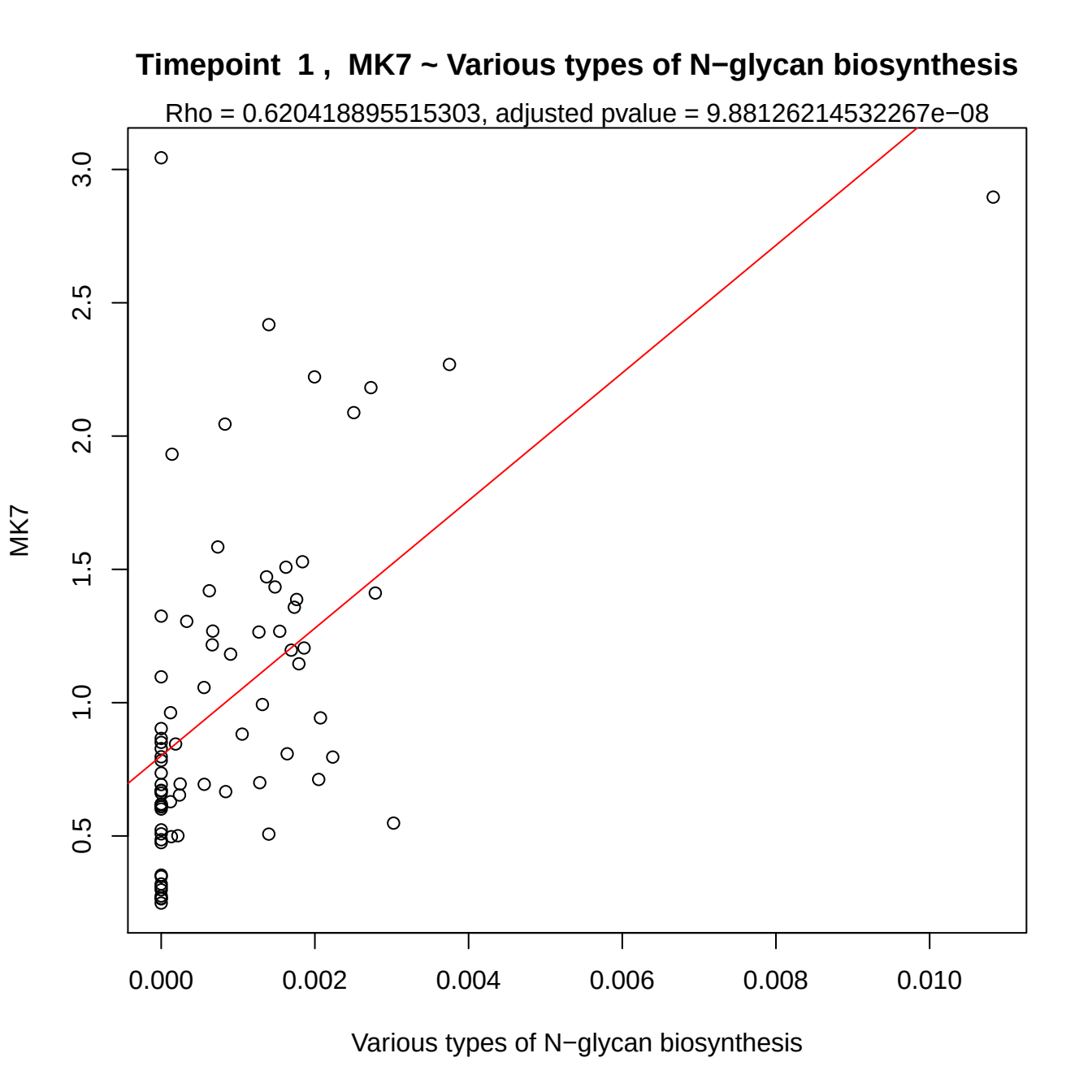

Timepoint 1 , MK5 ~ Various types of N−glycan biosynthesis
Rho = 0.501105363042356, adjusted pvalue = 2.14910372105363e−05
MK5
0.0
0.5
1.0
1.5
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

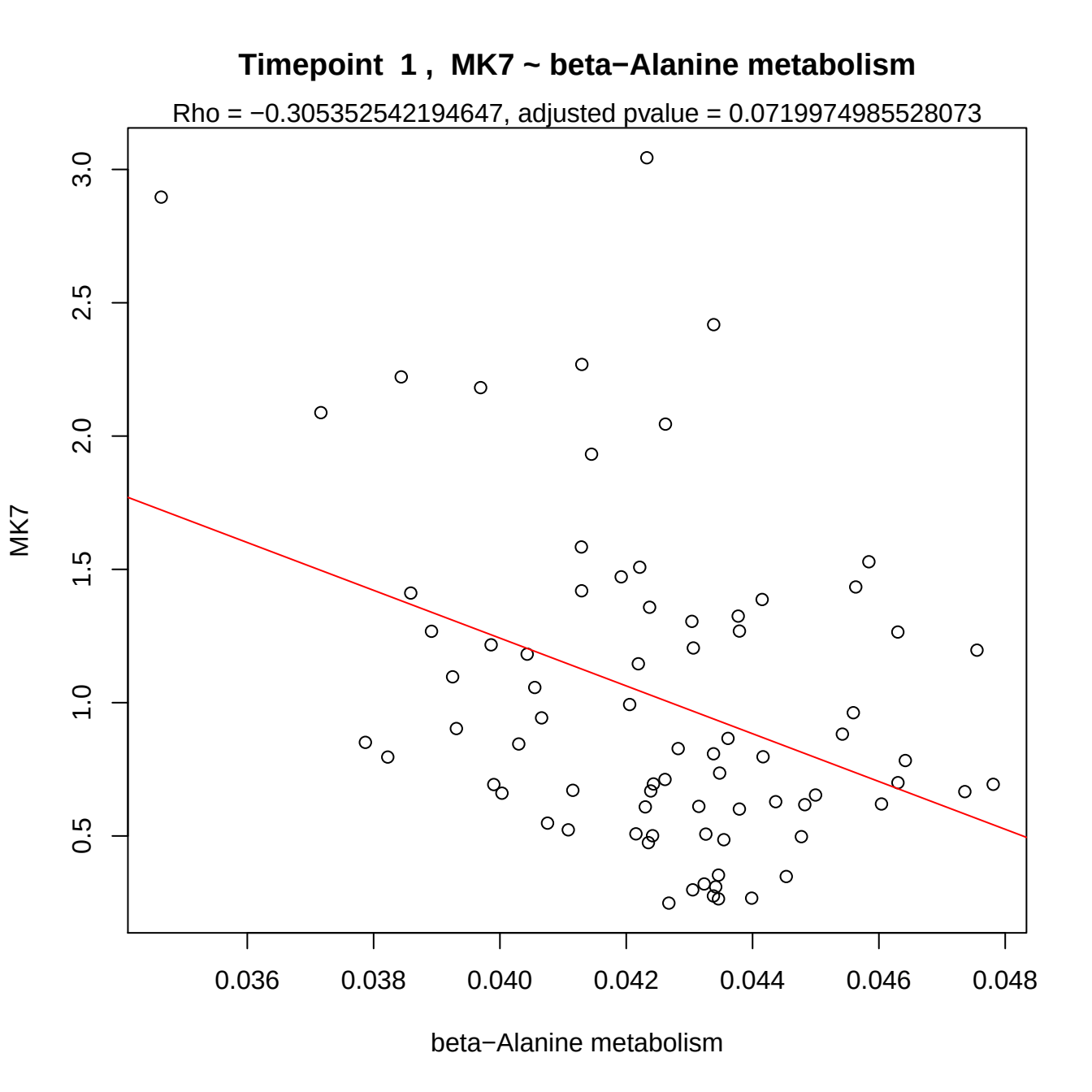

Timepoint 1 , MK6 ~ Glycosphingolipid biosynthesis − lacto and neolacto se
Rho = −0.49000999000999, adjusted pvalue = 0.000170501865907874
MK6
0
2
4
6
8
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

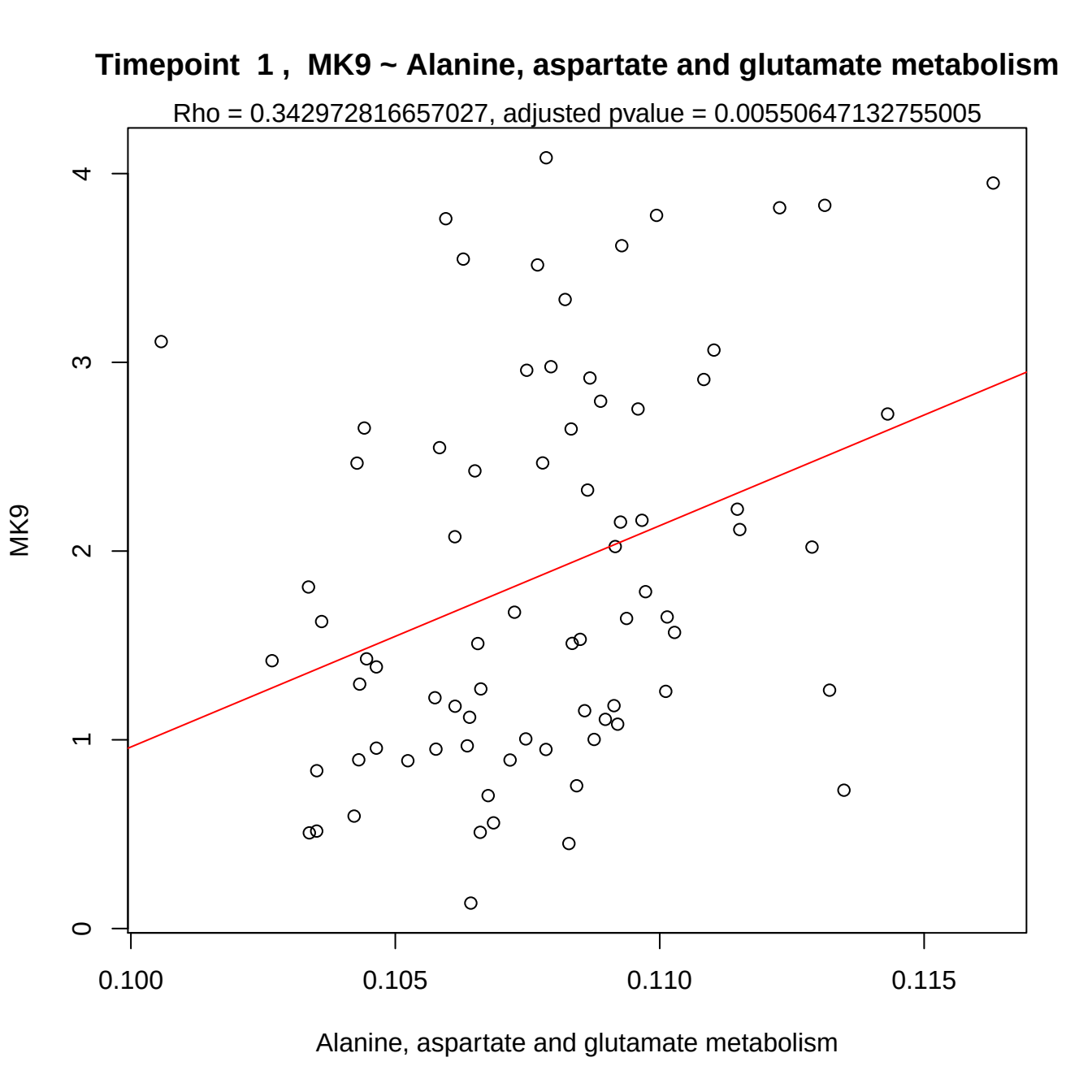

Timepoint 1 , MK6 ~ Various types of N−glycan biosynthesis
Rho = 0.593173672110266, adjusted pvalue = 7.34224578971545e−07
MK6
0
2
4
6
8
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

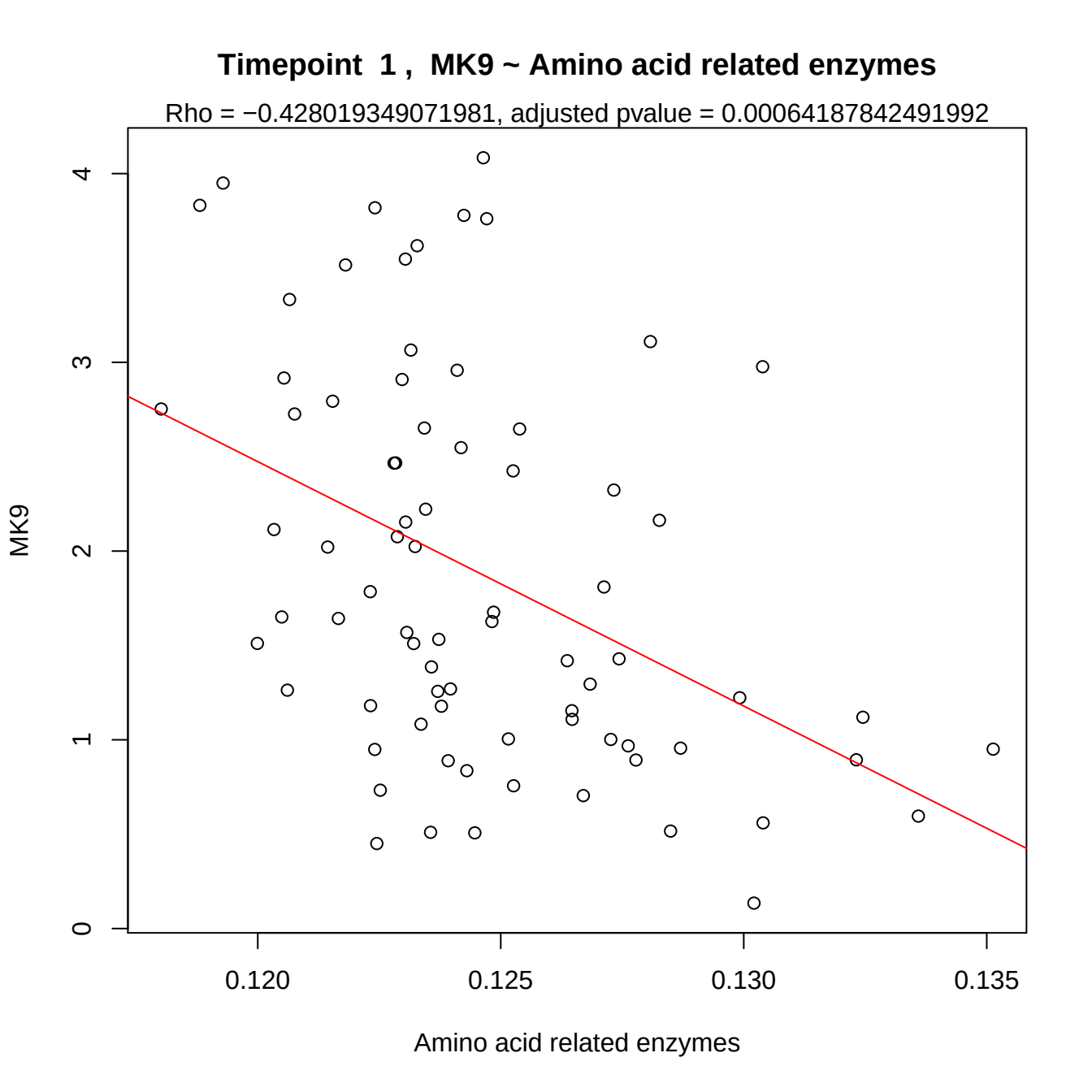

Timepoint 1 , MK7 ~ Glycine, serine and threonine metabolism
Rho = −0.249802828750197, adjusted pvalue = 0.108421388597893
MK7
0.5
1.0
1.5
2.0
2.5
3.0
0.086
0.088
0.090
0.092
0.094
0.096
Glycine, serine and threonine metabolism

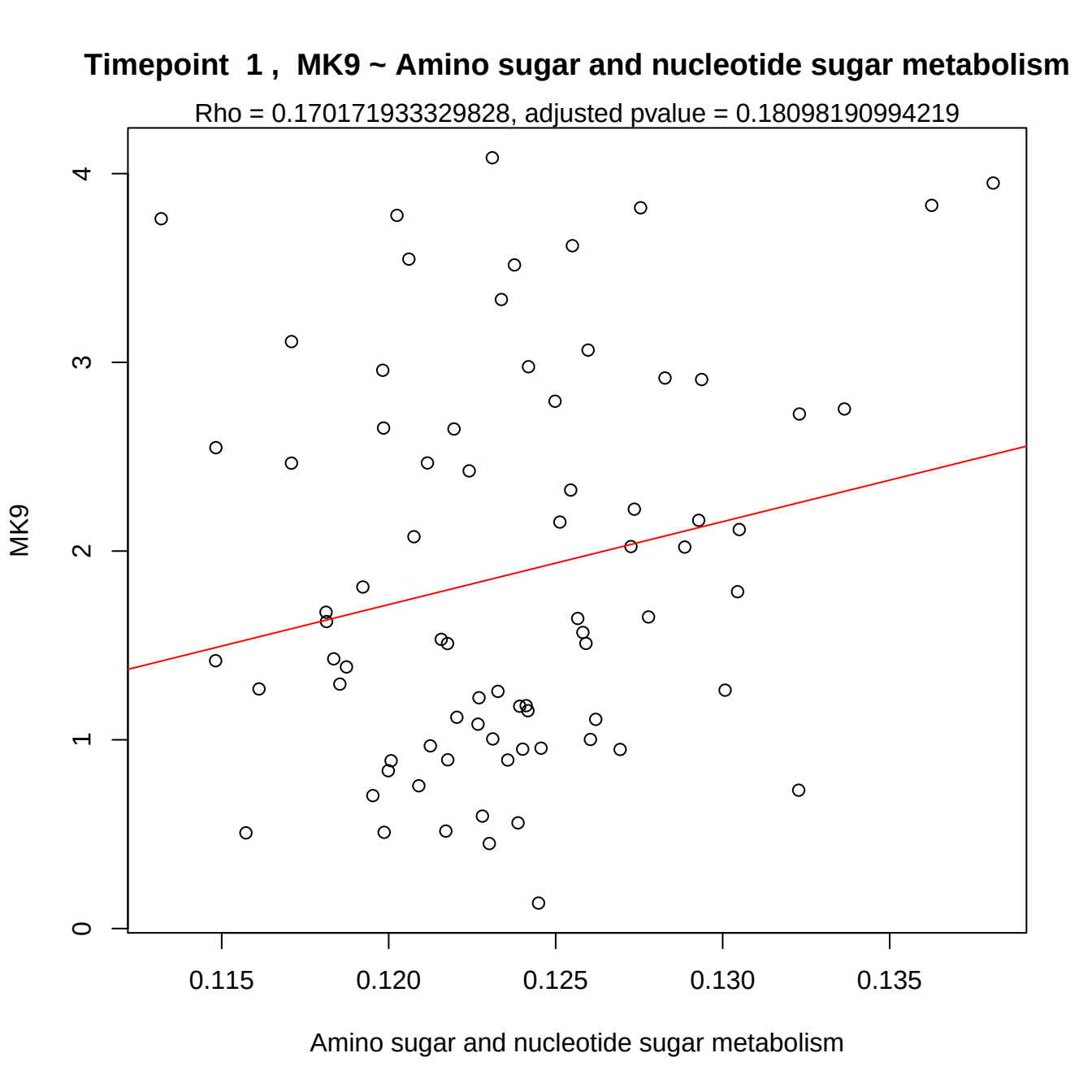

Timepoint 1 , MK7 ~ Propanoate metabolism
Rho = 0.261790840738209, adjusted pvalue = 0.108421388597893
MK7
0.5
1.0
1.5
2.0
2.5
3.0
0.064
0.066
0.068
0.070
0.072
0.074
Propanoate metabolism

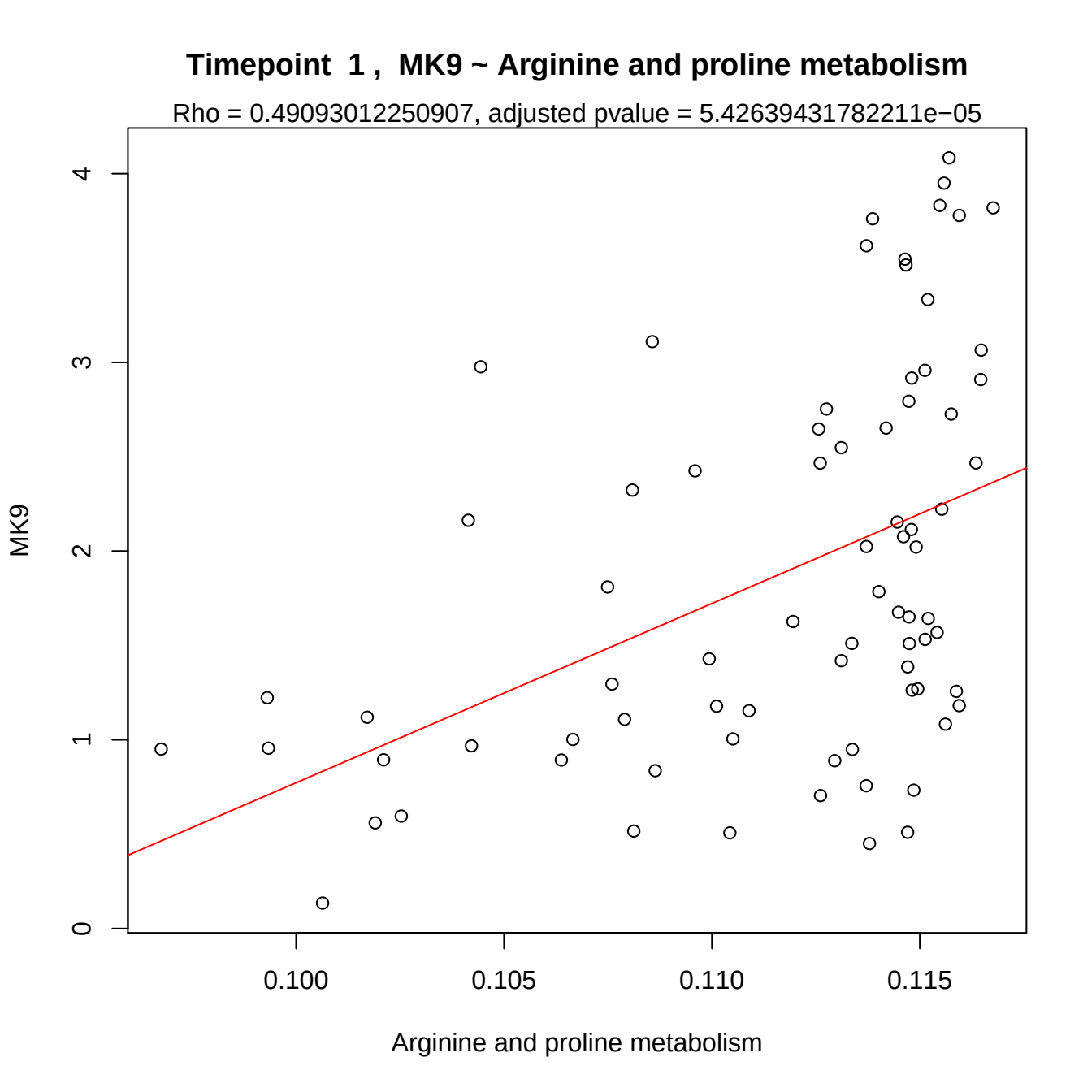

Timepoint 1 , MK7 ~ Various types of N−glycan biosynthesis
Rho = 0.620418895515303, adjusted pvalue = 9.88126214532267e−08
MK7
0.5
1.0
1.5
2.0
2.5
3.0
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

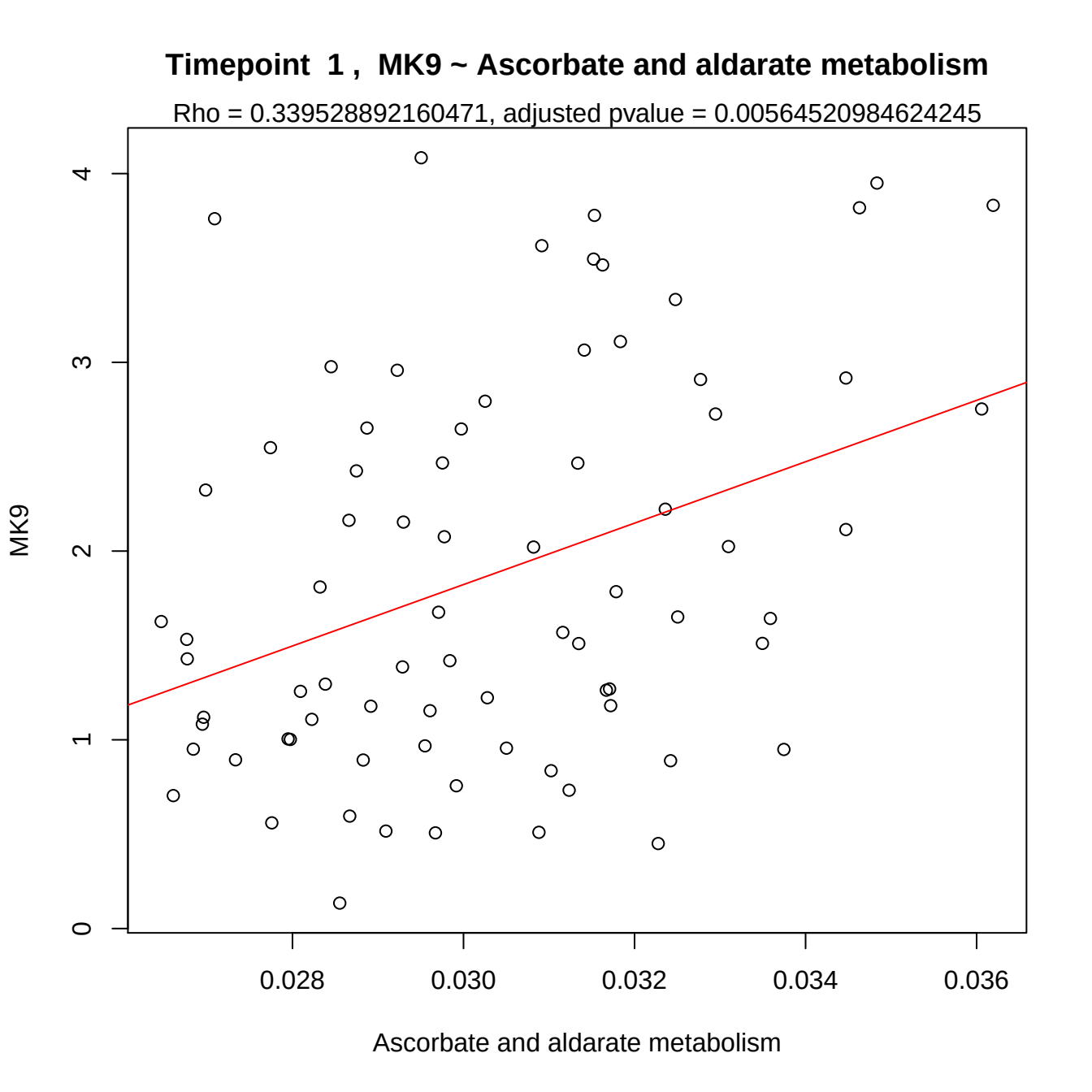

Timepoint 1 , MK7 ~ beta−Alanine metabolism
Rho = −0.305352542194647, adjusted pvalue = 0.0719974985528073
MK7
3.0
2.5
2.0
1.5
1.0
0.5
0.036
0.038
0.040
0.042
0.044
0.046
0.048
beta−Alanine metabolism

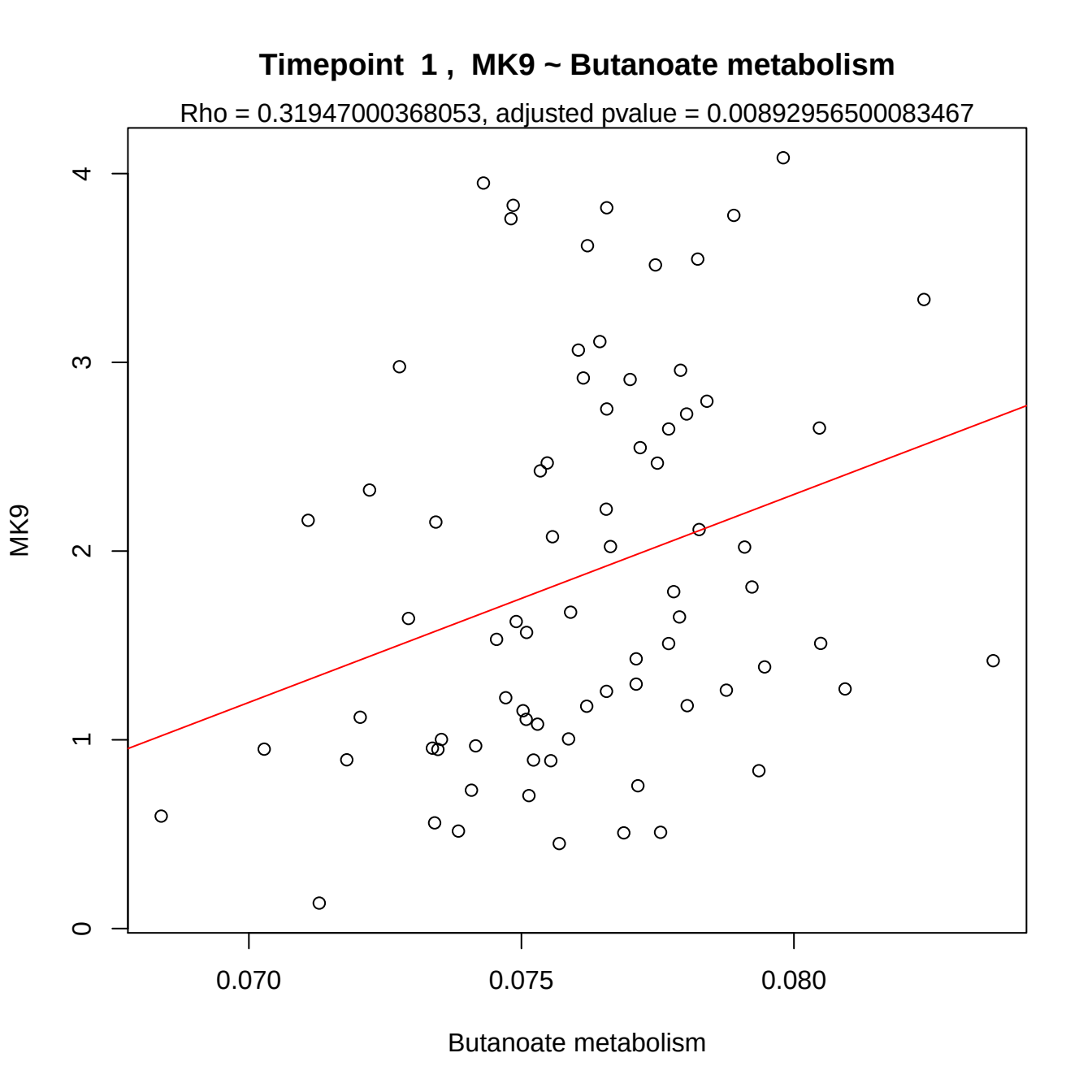

Timepoint 1 , MK9 ~ Alanine, aspartate and glutamate metabolism
Rho = 0.342972816657027, adjusted pvalue = 0.00550647132755005
MK9
0
1
2
3
4
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

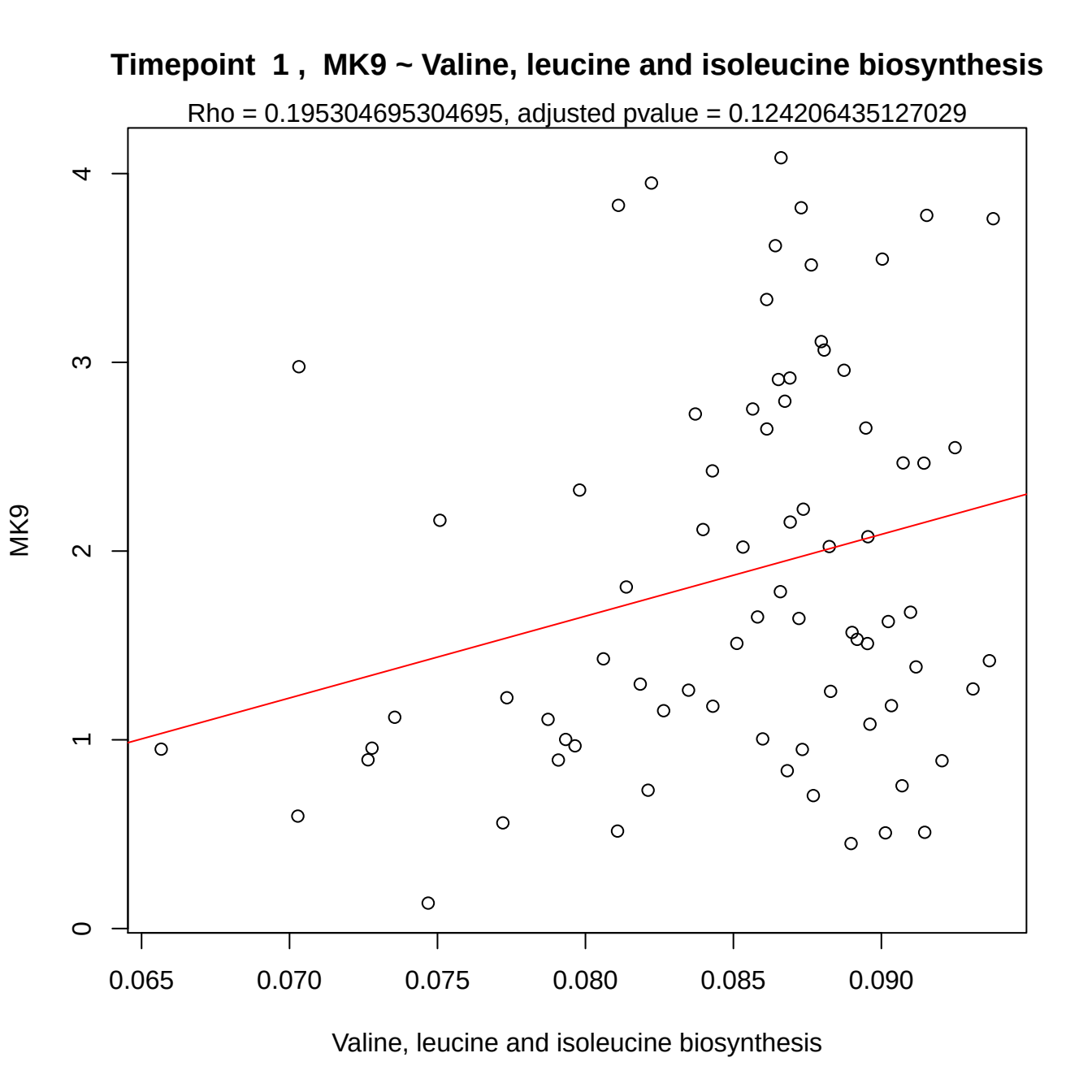

Timepoint 1 , MK9 ~ Amino acid related enzymes
Rho = −0.428019349071981, adjusted pvalue = 0.00064187842491992
MK9
0
1
2
3
4
0.120
0.125
0.130
0.135
Amino acid related enzymes

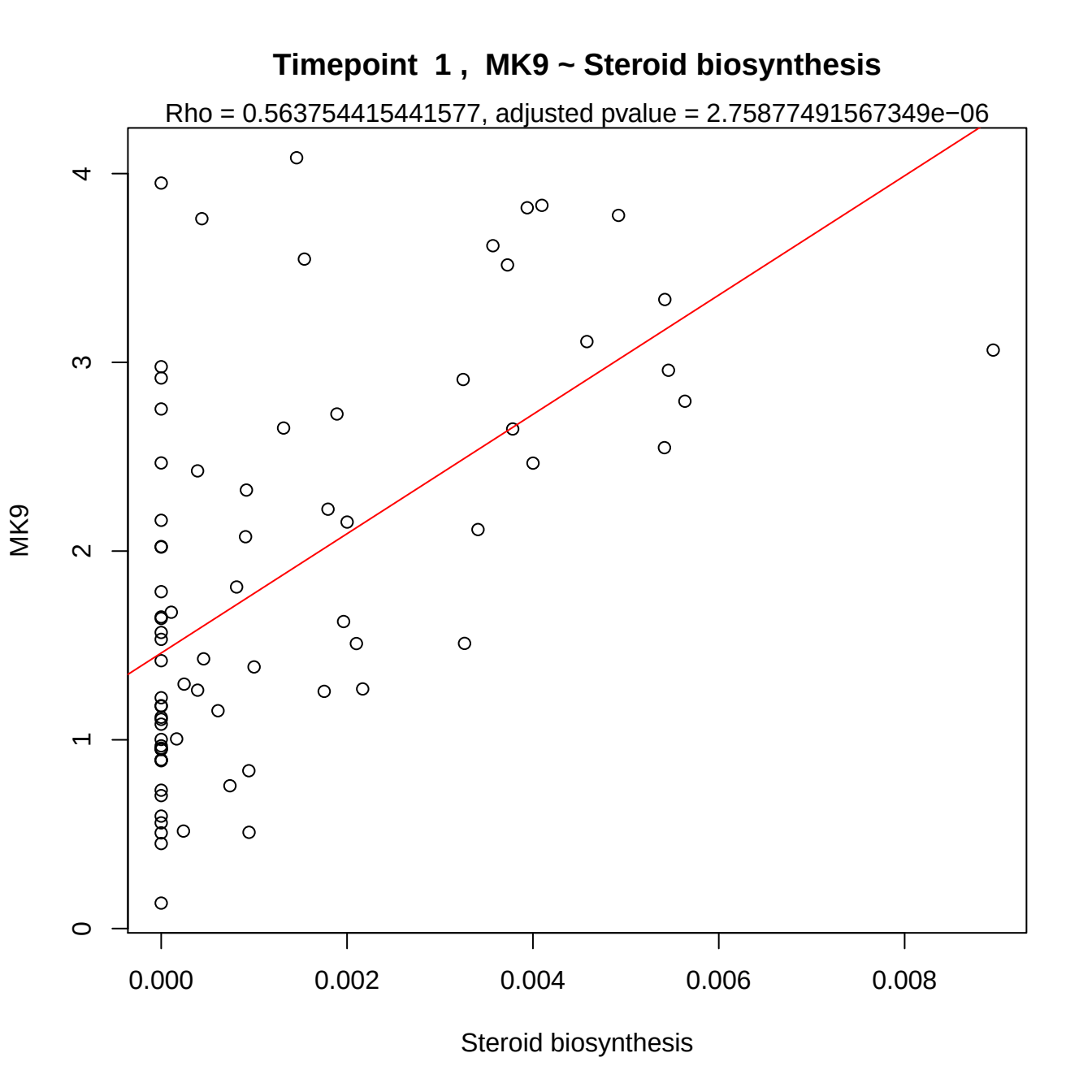

Timepoint 1 , MK9 ~ Amino sugar and nucleotide sugar metabolism
Rho = 0.170171933329828, adjusted pvalue = 0.18098190994219
MK9
0
1
2
3
4
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

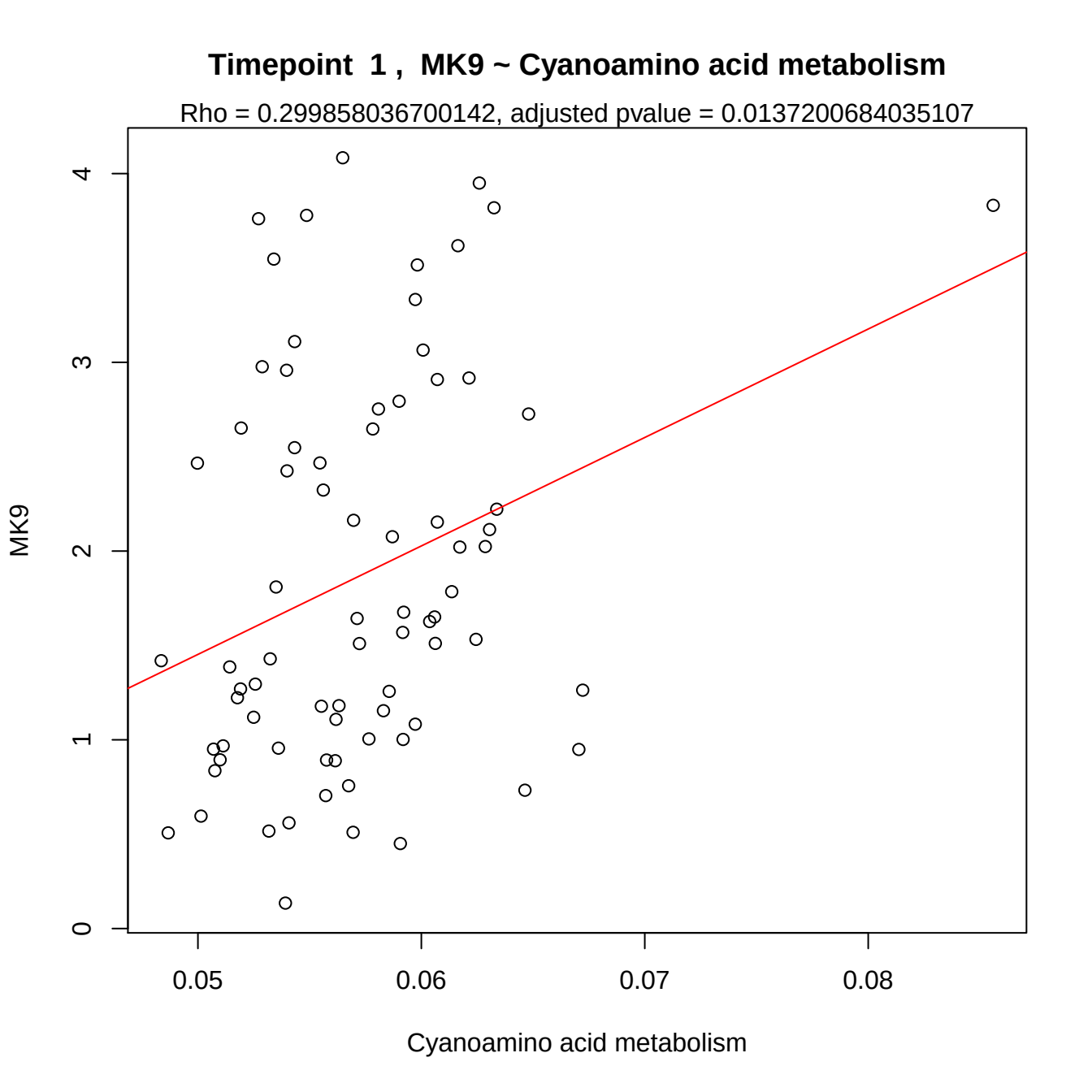

Timepoint 1 , MK9 ~ Arginine and proline metabolism
Rho = 0.49093012250907, adjusted pvalue = 5.42639431782211e−05
MK9
0
1
2
3
4
0.100
0.105
0.110
0.115
Arginine and proline metabolism

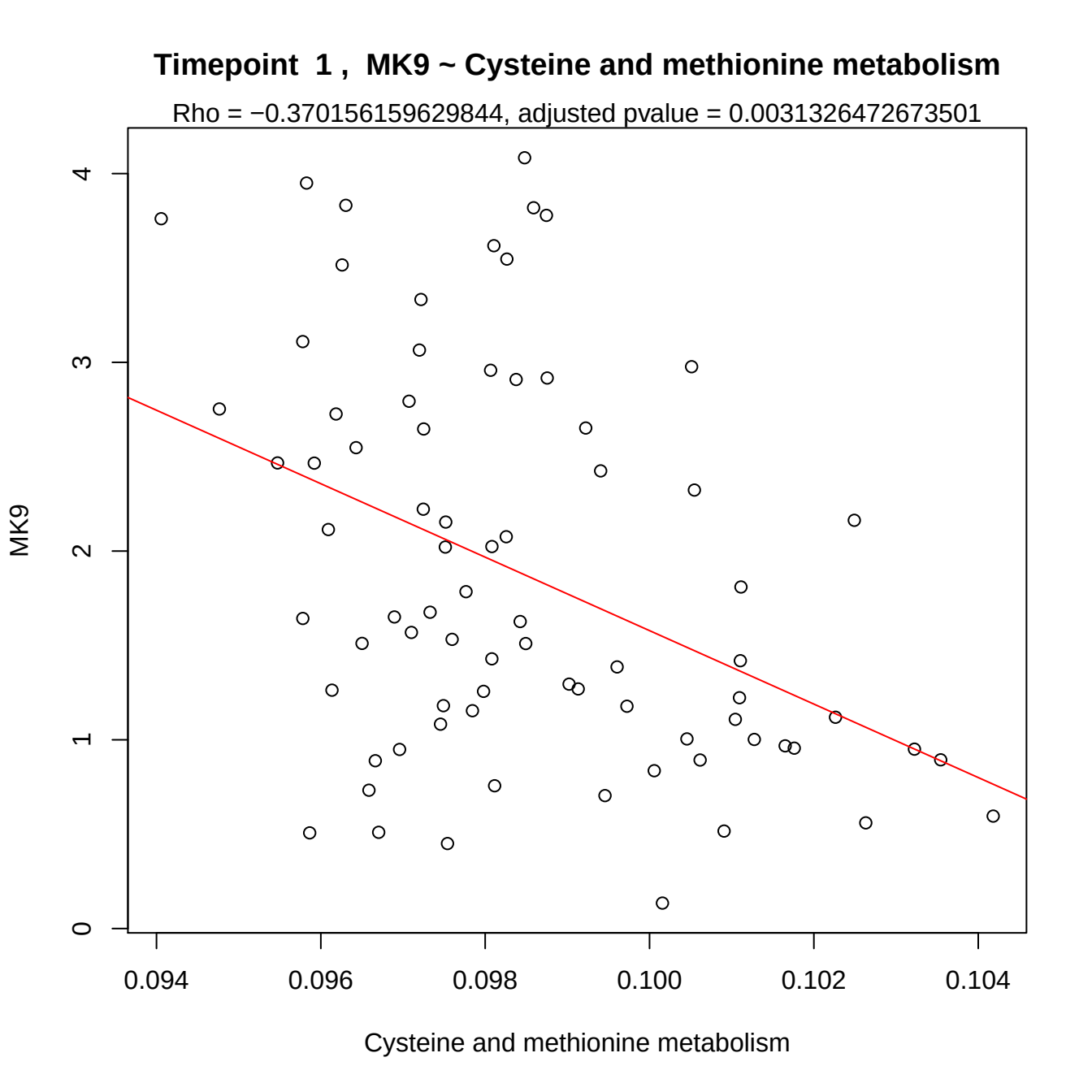

Timepoint 1 , MK9 ~ Ascorbate and aldarate metabolism
Rho = 0.339528892160471, adjusted pvalue = 0.00564520984624245
MK9
0
1
2
3
4
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

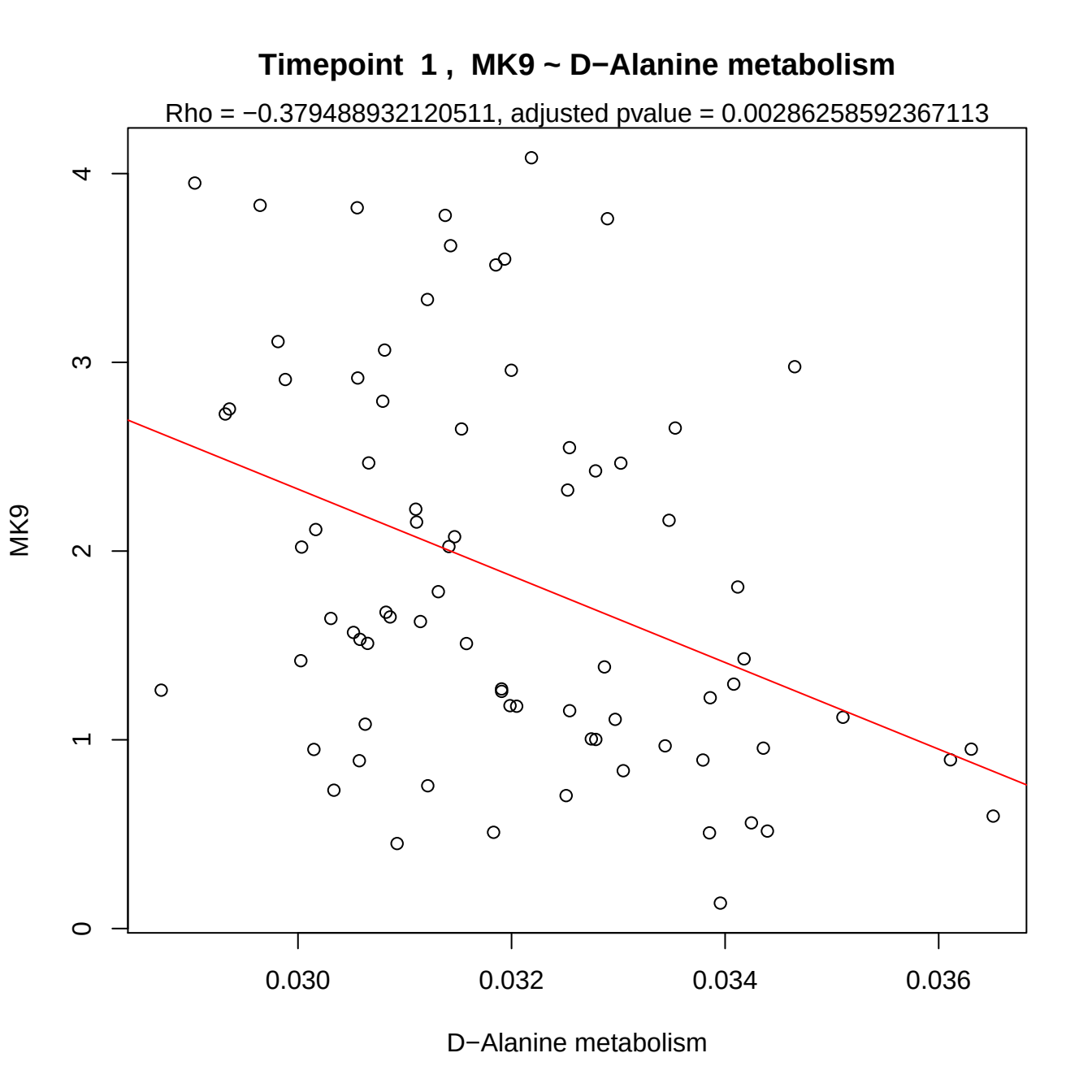

Timepoint 1 , MK9 ~ Butanoate metabolism
Rho = 0.31947000368053, adjusted pvalue = 0.00892956500083467
MK9
0
1
2
3
4
0.070
0.075
0.080
Butanoate metabolism

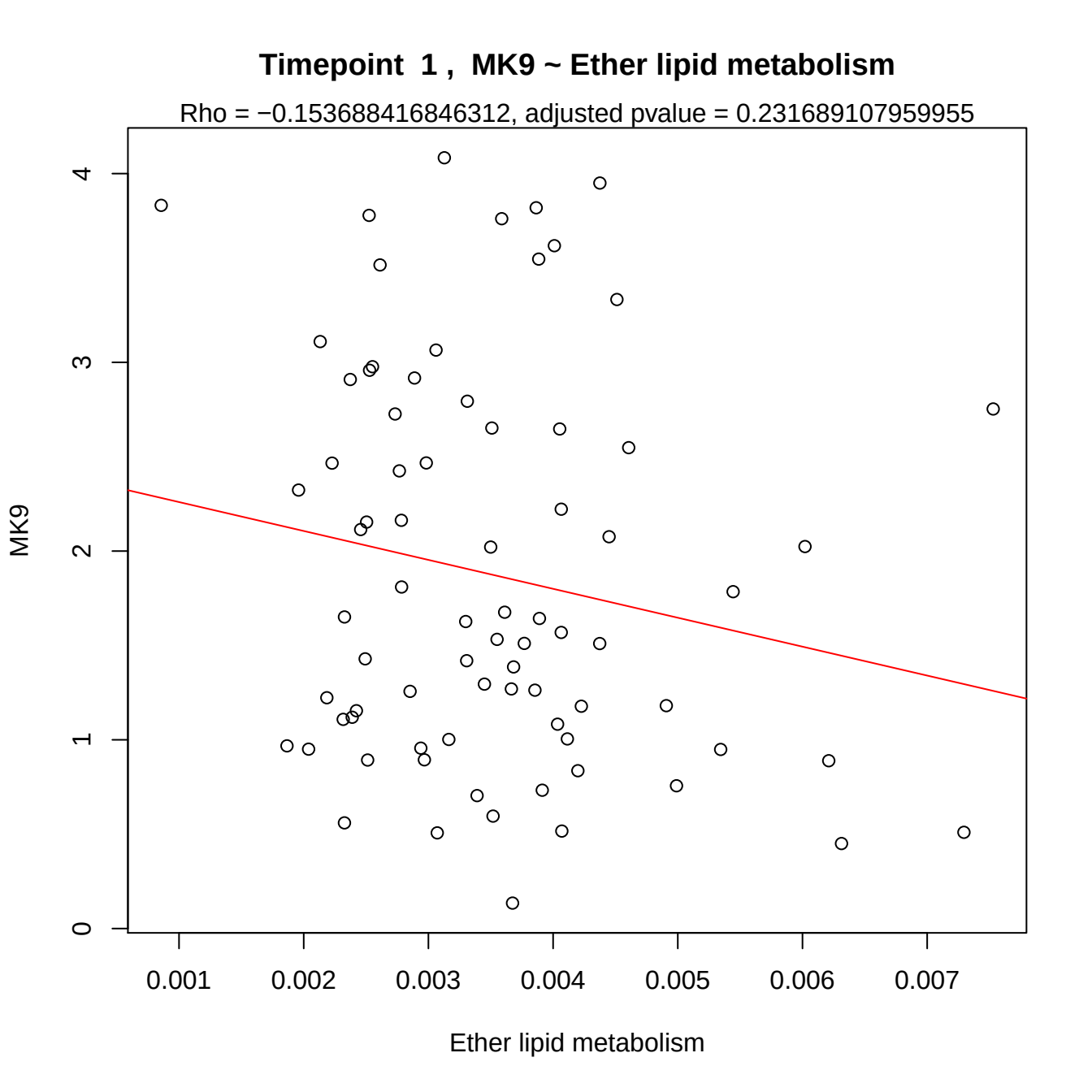

Timepoint 1 , MK9 ~ Valine, leucine and isoleucine biosynthesis
Rho = 0.195304695304695, adjusted pvalue = 0.124206435127029
MK9
0
1
2
3
4
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

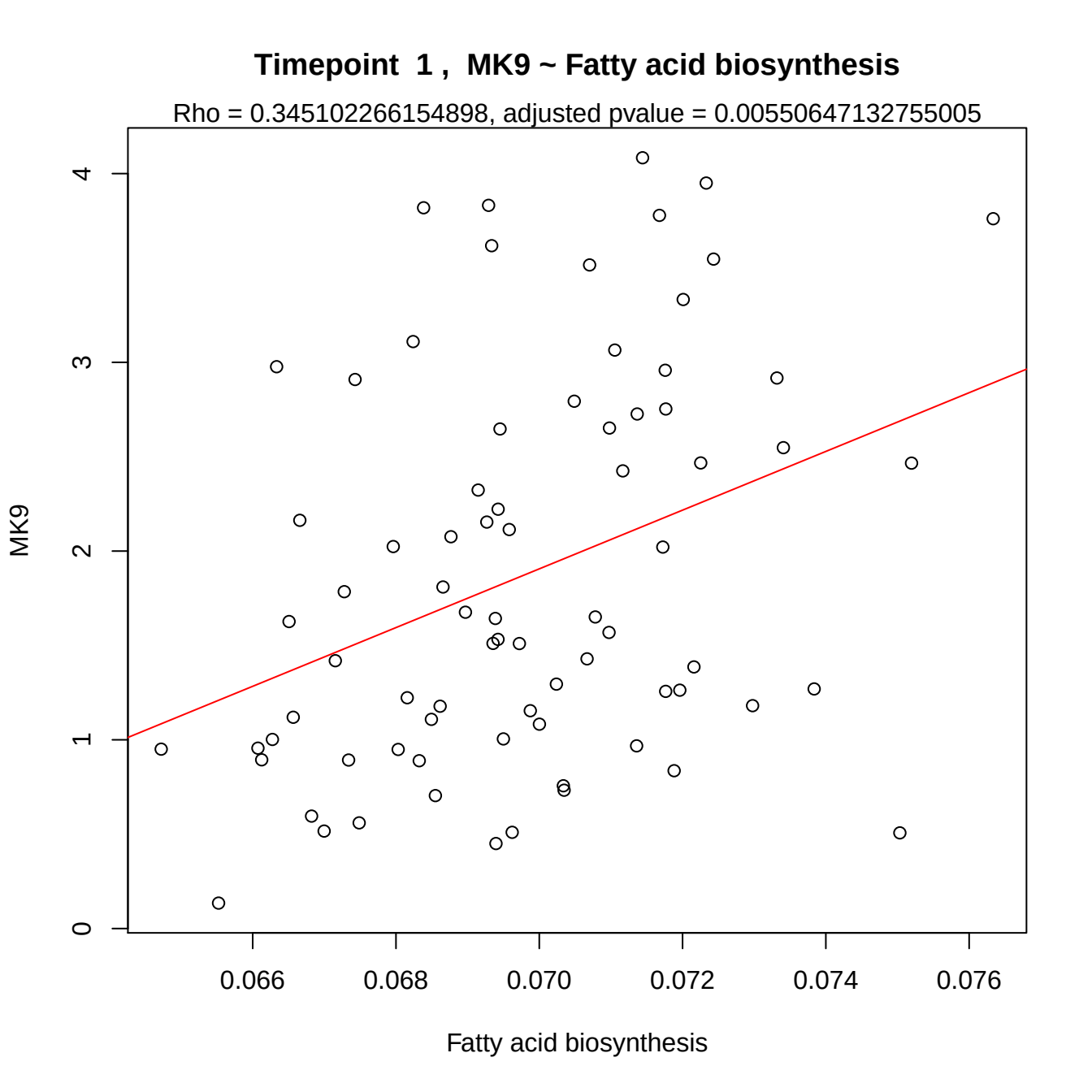

Timepoint 1 , MK9 ~ Steroid biosynthesis
Rho = 0.563754415441577, adjusted pvalue = 2.75877491567349e−06
MK9
0
1
2
3
4
0.000
0.002
0.004
0.006
0.008
Steroid biosynthesis

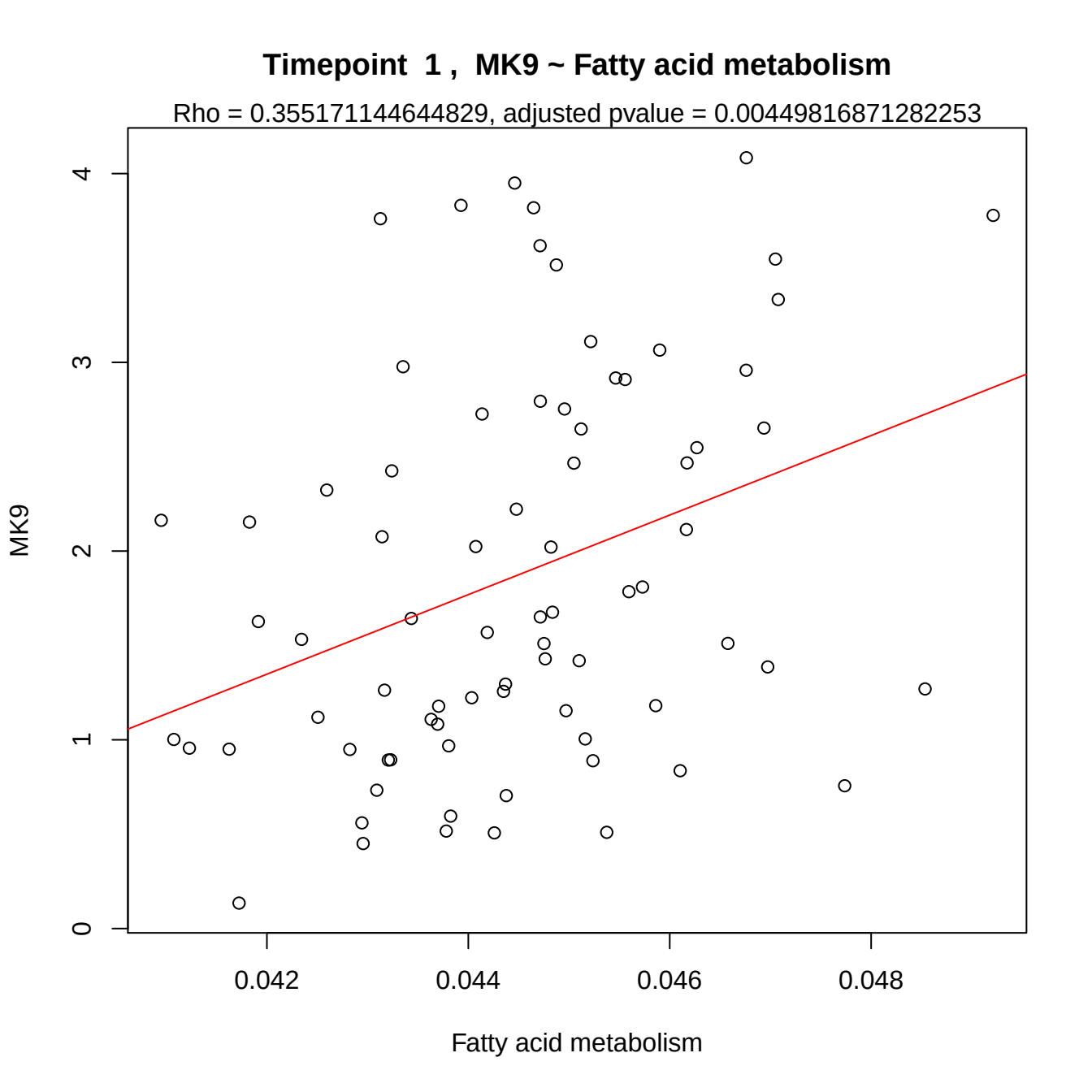

Timepoint 1 , MK9 ~ Cyanoamino acid metabolism
Rho = 0.299858036700142, adjusted pvalue = 0.0137200684035107
MK9
0
1
2
3
4
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

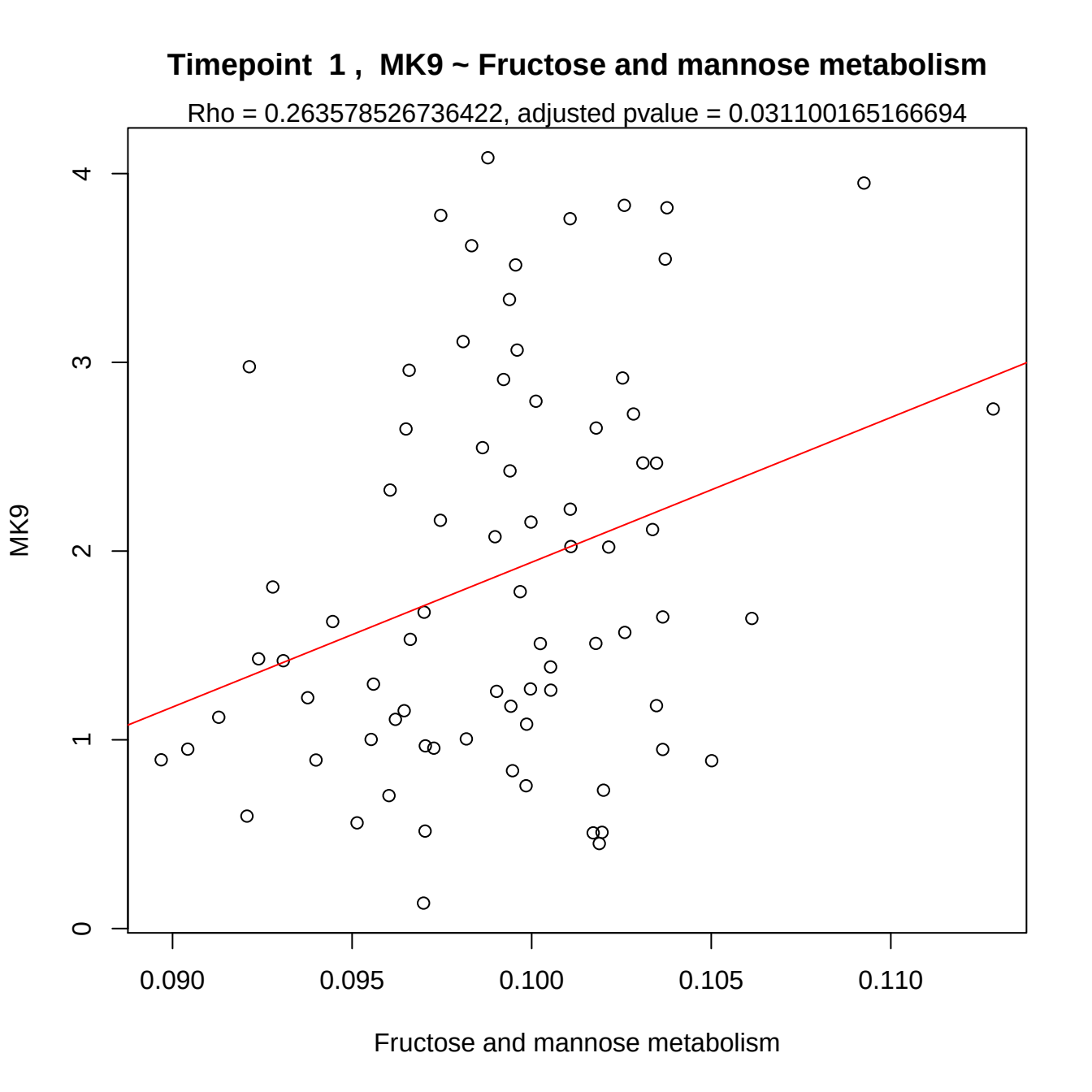

Timepoint 1 , MK9 ~ Cysteine and methionine metabolism
Rho = −0.370156159629844, adjusted pvalue = 0.0031326472673501
MK9
0
1
2
3
4
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

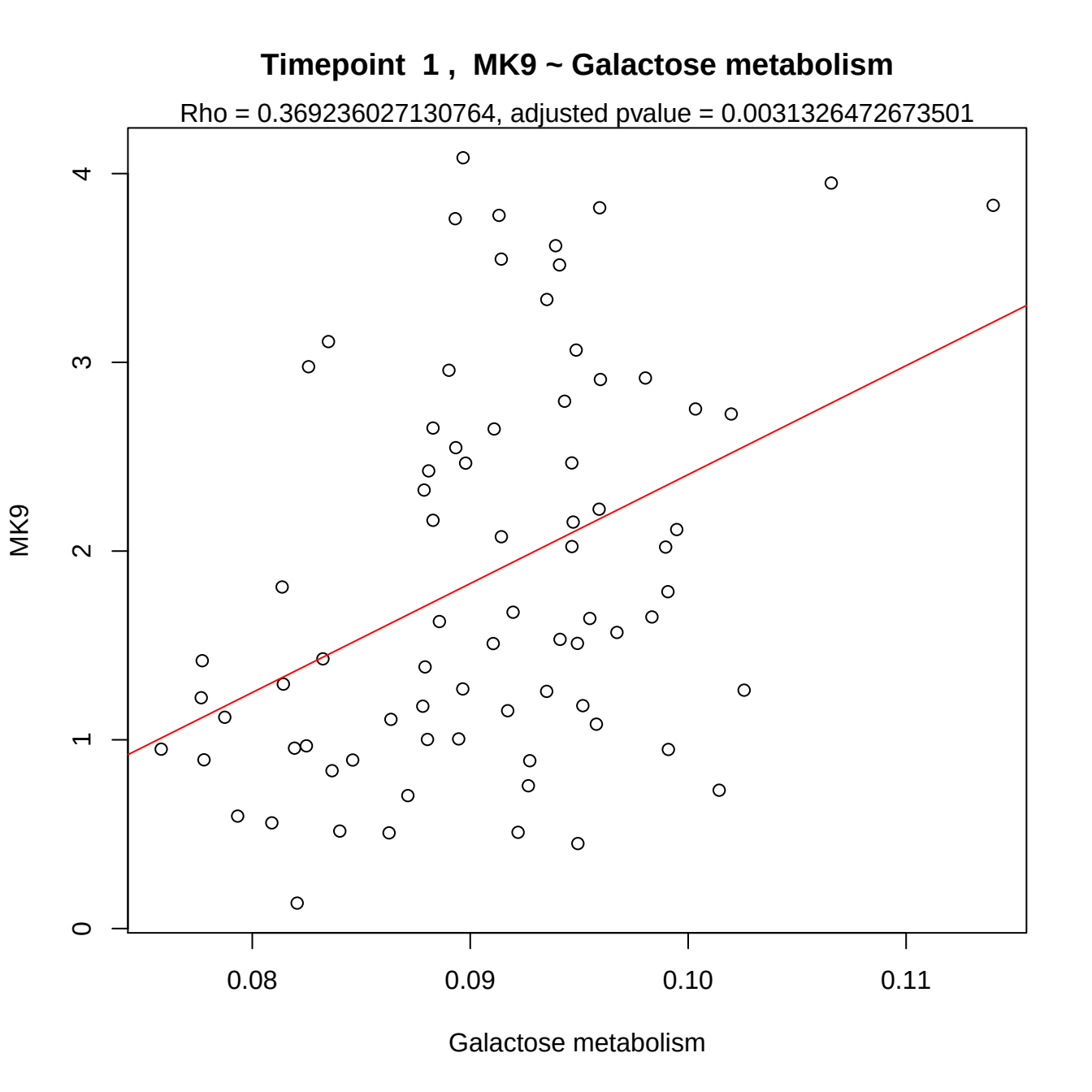

Timepoint 1 , MK9 ~ D−Alanine metabolism
Rho = −0.379488932120511, adjusted pvalue = 0.00286258592367113
MK9
0
1
2
3
4
0.030
0.032
0.034
0.036
D−Alanine metabolism

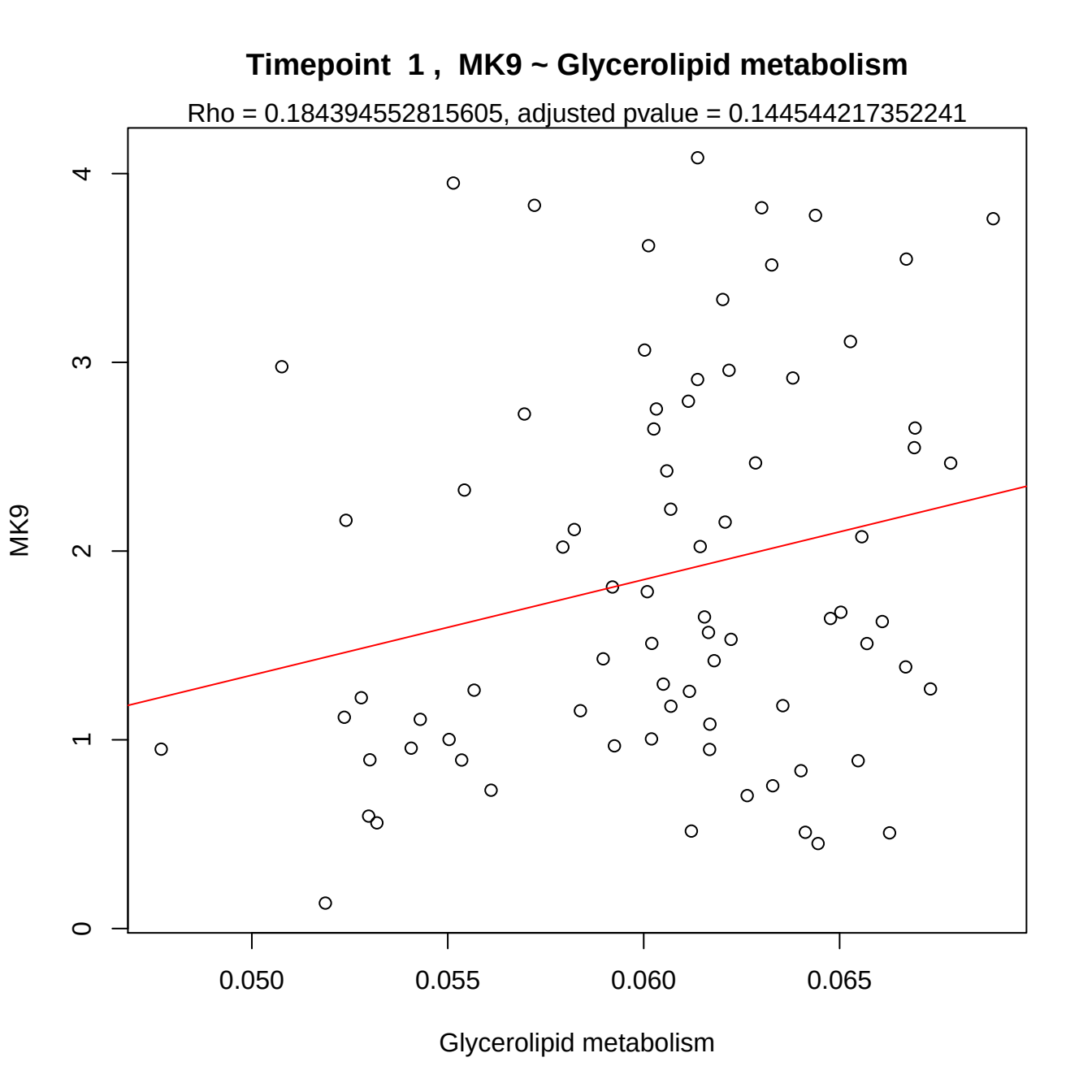

Timepoint 1 , MK9 ~ Ether lipid metabolism
Rho = −0.153688416846312, adjusted pvalue = 0.231689107959955
MK9
0
1
2
3
4
0.001
0.002
0.003
0.004
0.005
0.006
0.007
Ether lipid metabolism

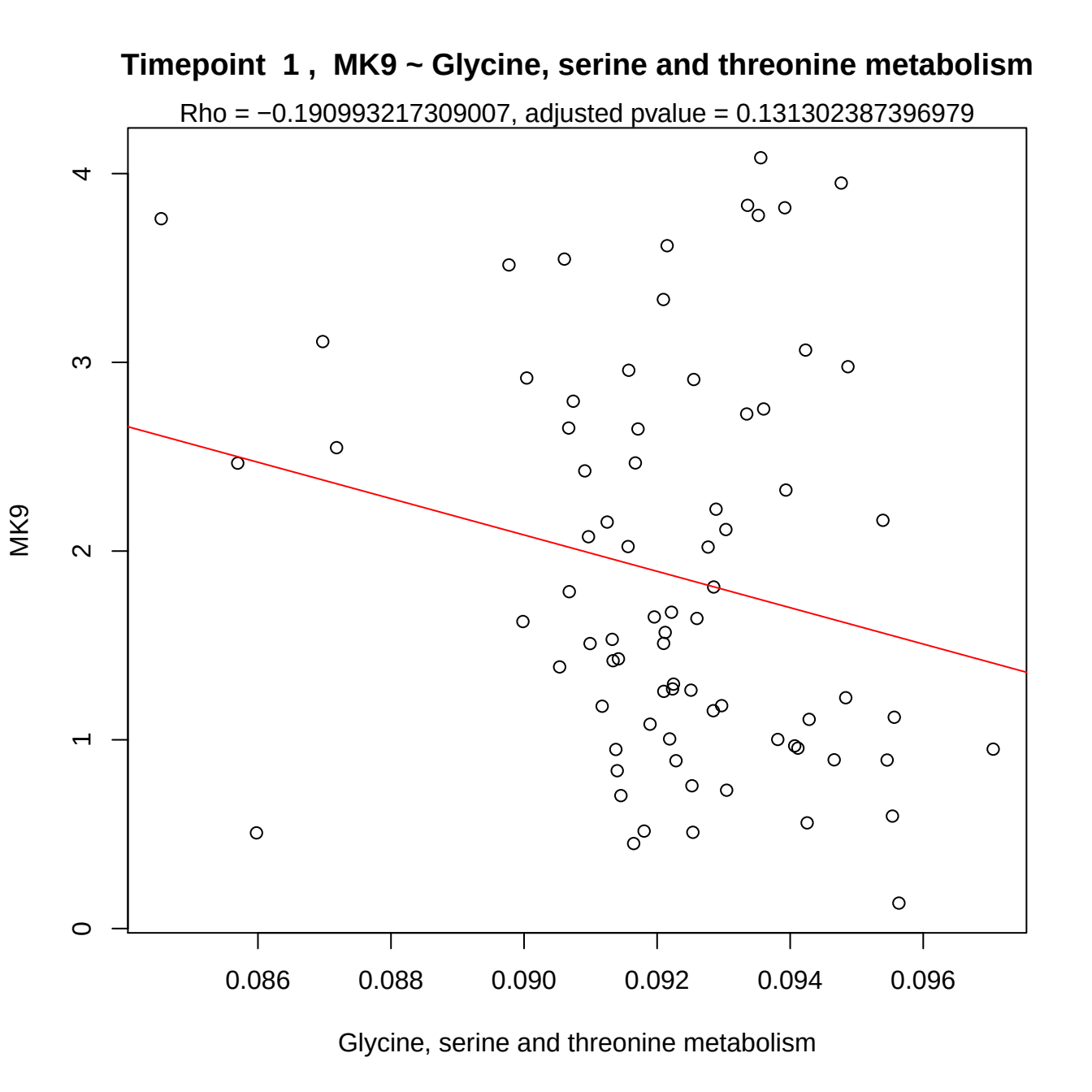

Timepoint 1 , MK9 ~ Fatty acid biosynthesis
Rho = 0.345102266154898, adjusted pvalue = 0.00550647132755005
MK9
0
1
2
3
4
0.066
0.068
0.070
0.072
0.074
0.076
Fatty acid biosynthesis

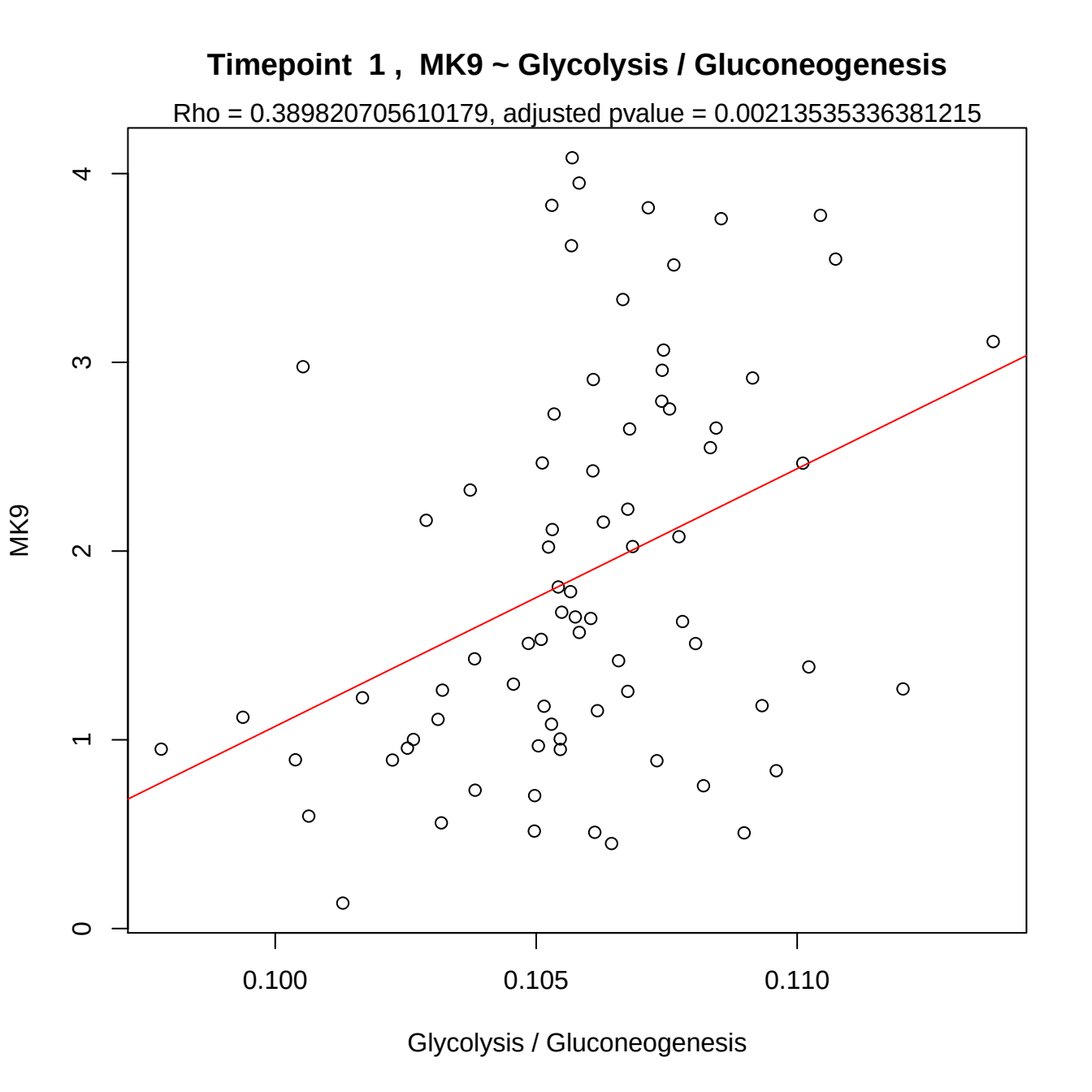

Timepoint 1 , MK9 ~ Fatty acid metabolism
Rho = 0.355171144644829, adjusted pvalue = 0.00449816871282253
MK9
0
1
2
3
4
0.042
0.044
0.046
0.048
Fatty acid metabolism

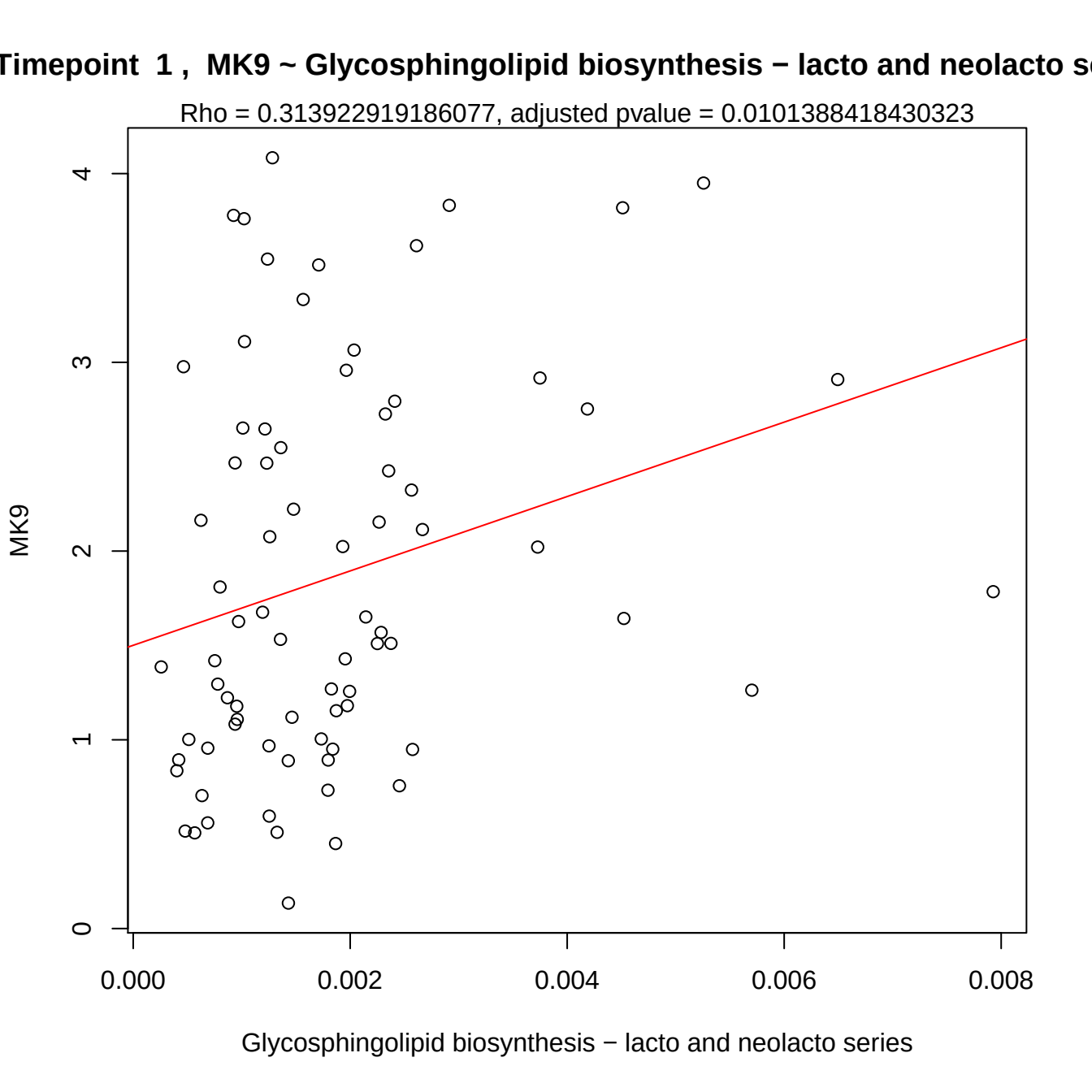

Timepoint 1 , MK9 ~ Fructose and mannose metabolism
Rho = 0.263578526736422, adjusted pvalue = 0.031100165166694
MK9
0
1
2
3
4
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

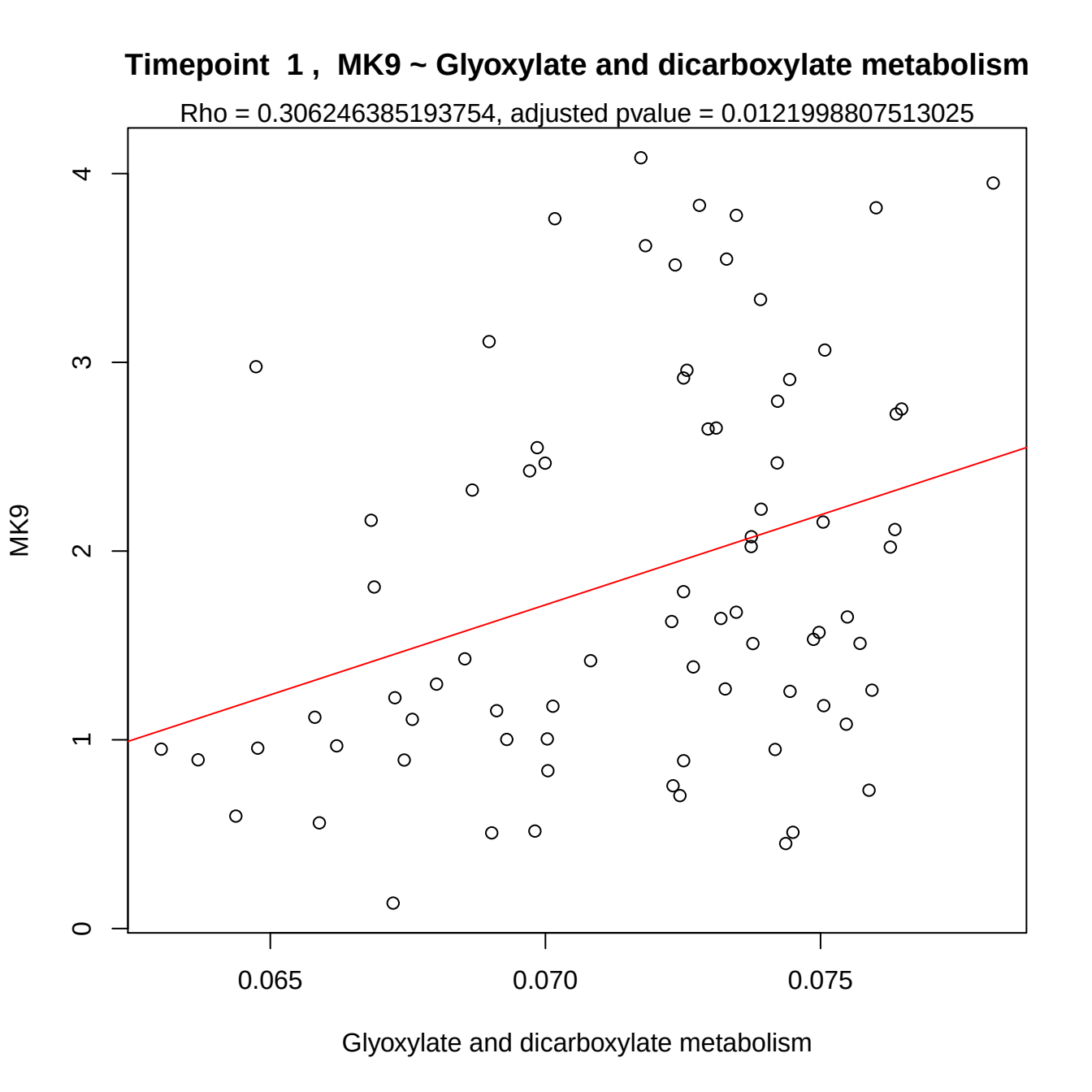

Timepoint 1 , MK9 ~ Galactose metabolism
Rho = 0.369236027130764, adjusted pvalue = 0.0031326472673501
MK9
0
1
2
3
4
0.08
0.09
0.10
0.11
Galactose metabolism

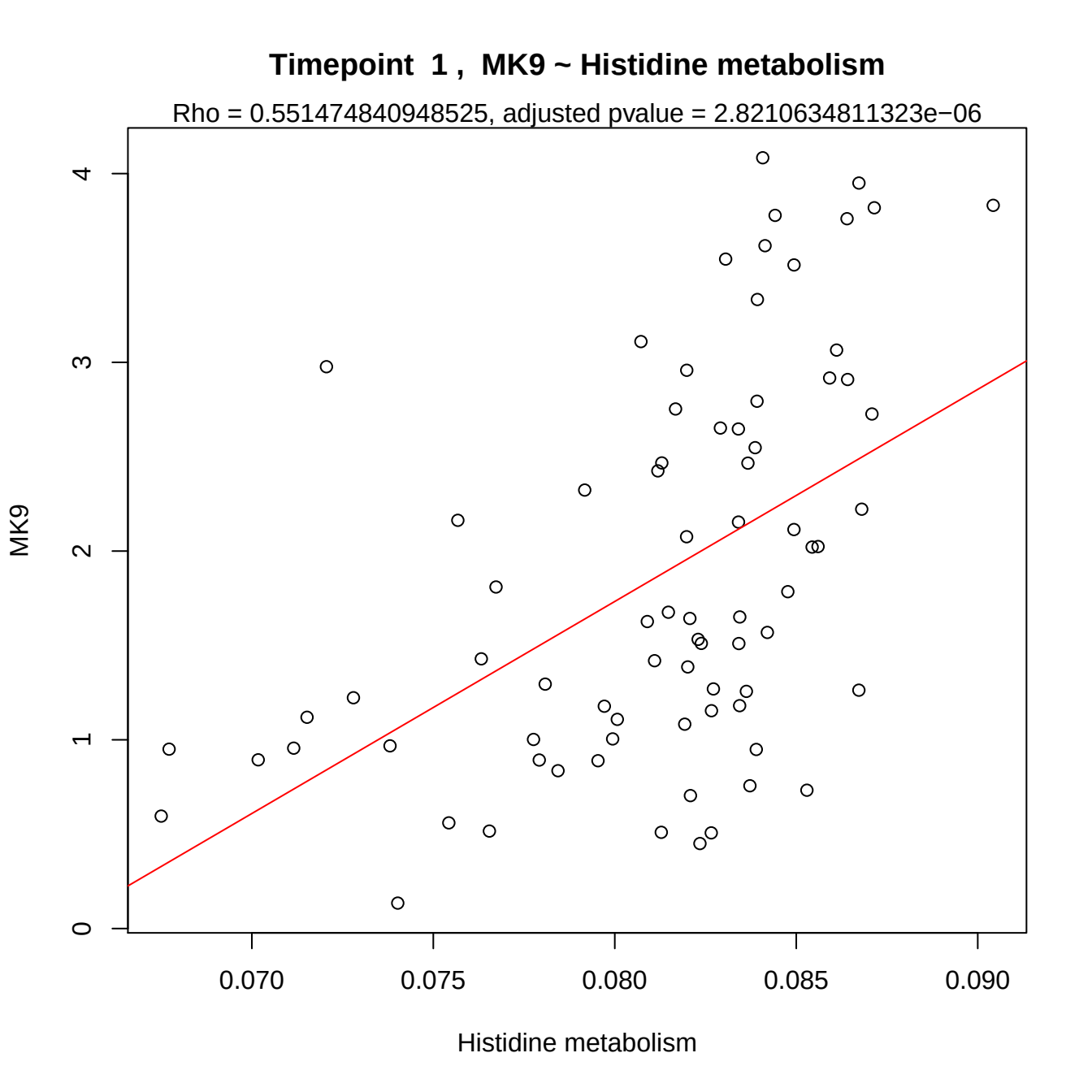

Timepoint 1 , MK9 ~ Glycerolipid metabolism
Rho = 0.184394552815605, adjusted pvalue = 0.144544217352241
MK9
0
1
2
3
4
0.050
0.055
0.060
0.065
Glycerolipid metabolism

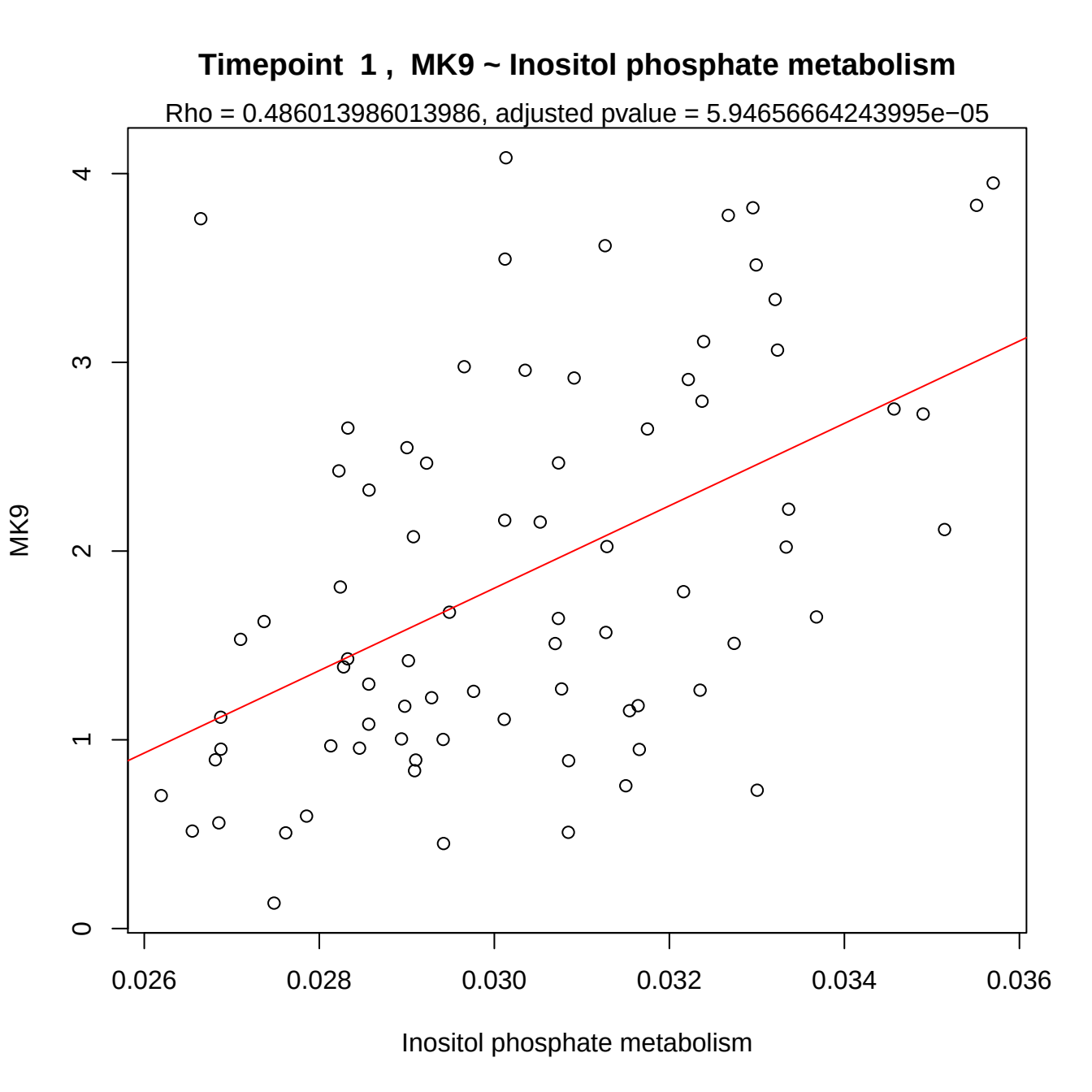

Timepoint 1 , MK9 ~ Glycine, serine and threonine metabolism
Rho = −0.190993217309007, adjusted pvalue = 0.131302387396979
MK9
0
1
2
3
4
0.086
0.088
0.090
0.092
0.094
0.096
Glycine, serine and threonine metabolism

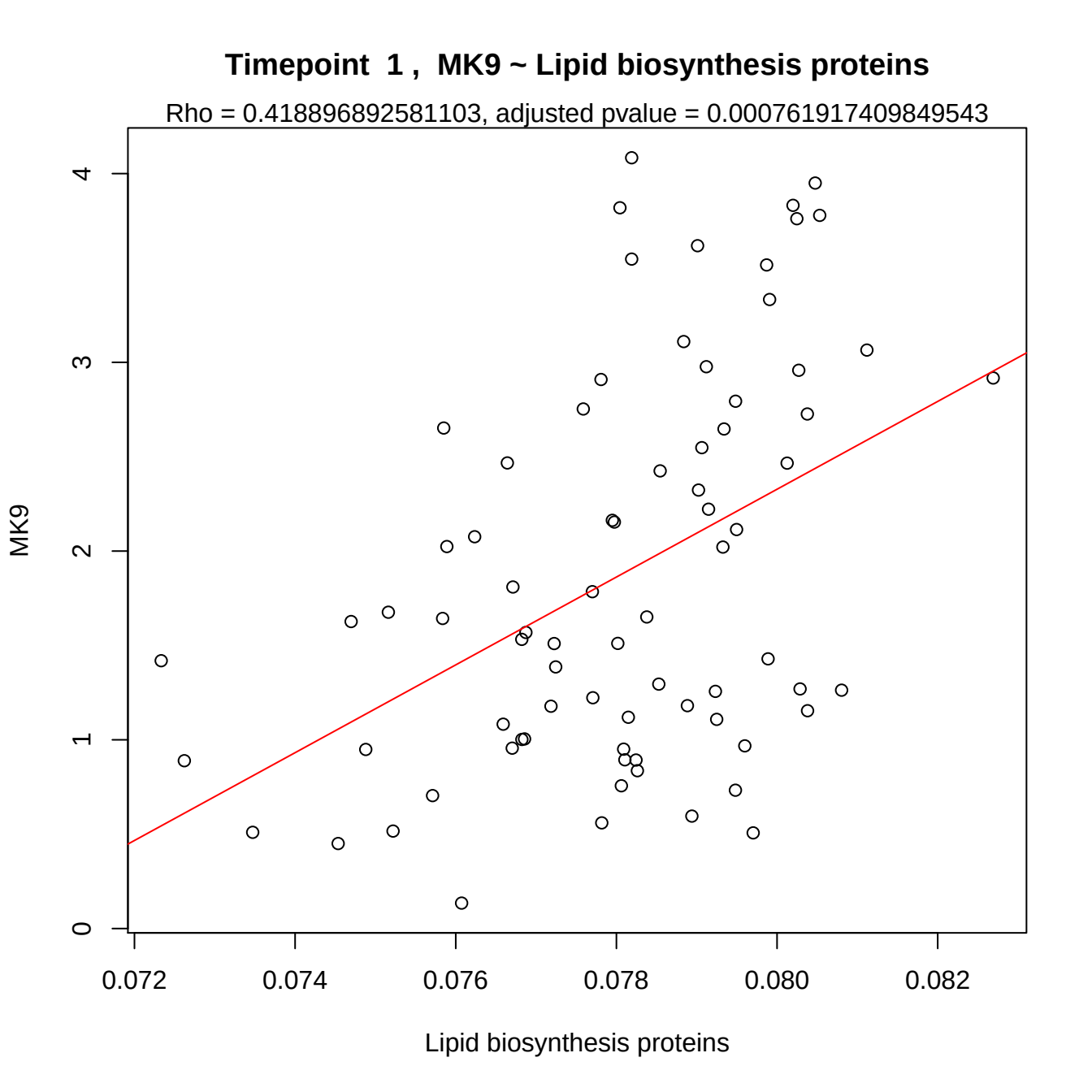

Timepoint 1 , MK9 ~ Glycolysis / Gluconeogenesis
Rho = 0.389820705610179, adjusted pvalue = 0.00213535336381215
MK9
0
1
2
3
4
0.100
0.105
0.110
Glycolysis / Gluconeogenesis

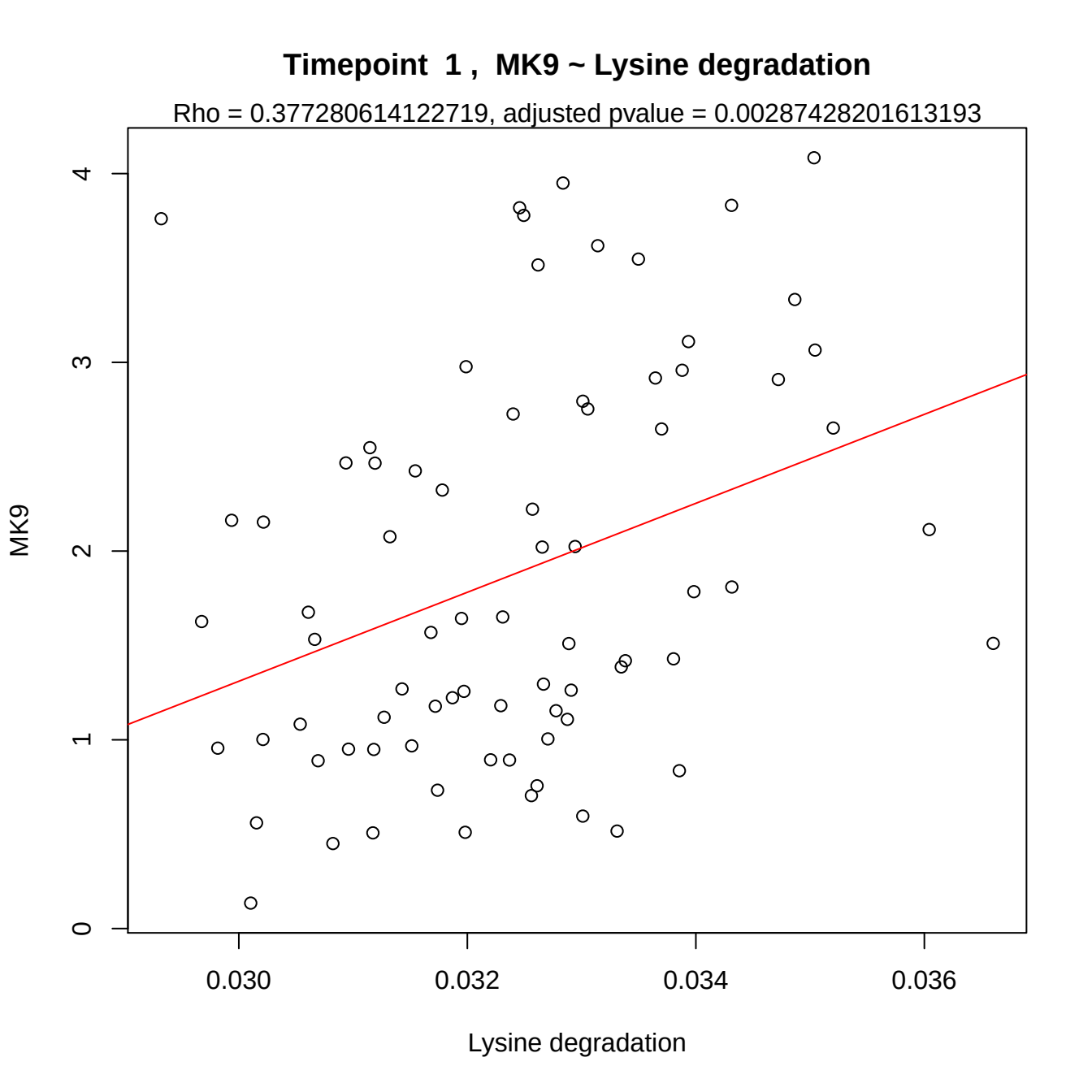

Timepoint 1 , MK9 ~ Glycosphingolipid biosynthesis − lacto and neolacto se
Rho = 0.313922919186077, adjusted pvalue = 0.0101388418430323
MK9
0
1
2
3
4
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

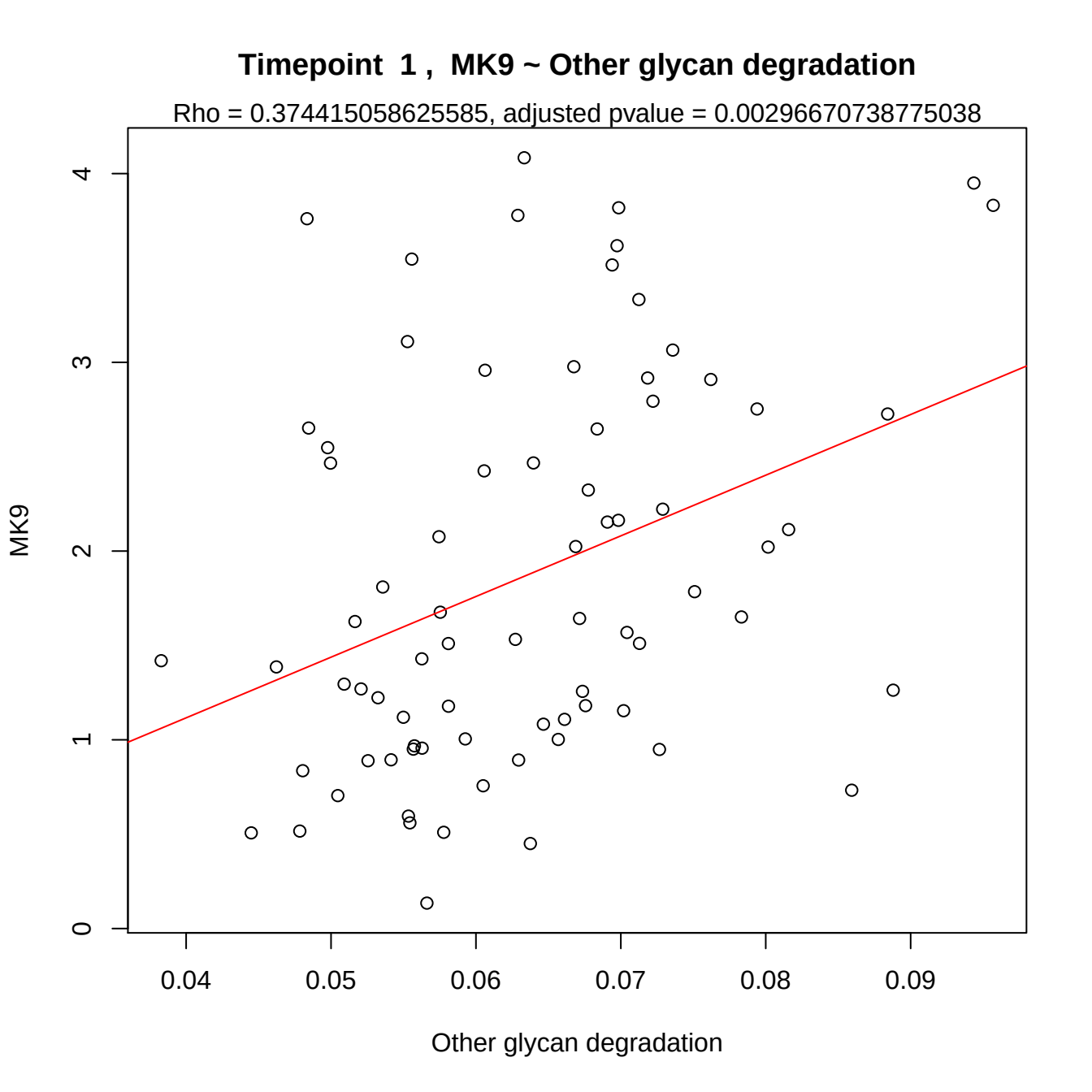

Timepoint 1 , MK9 ~ Glyoxylate and dicarboxylate metabolism
Rho = 0.306246385193754, adjusted pvalue = 0.0121998807513025
MK9
0
1
2
3
4
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

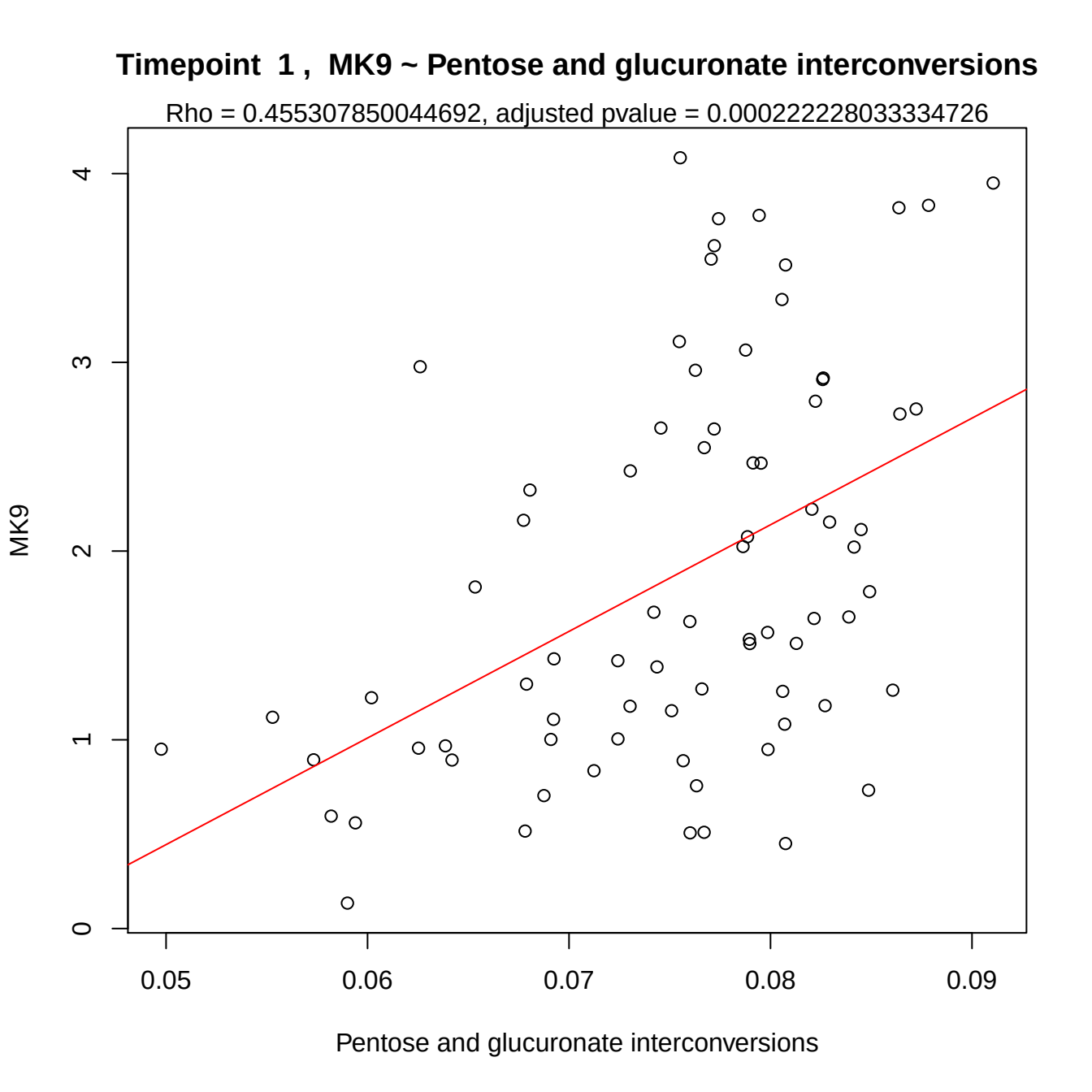

Timepoint 1 , MK9 ~ Histidine metabolism
Rho = 0.551474840948525, adjusted pvalue = 2.8210634811323e−06
MK9
0
1
2
3
4
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

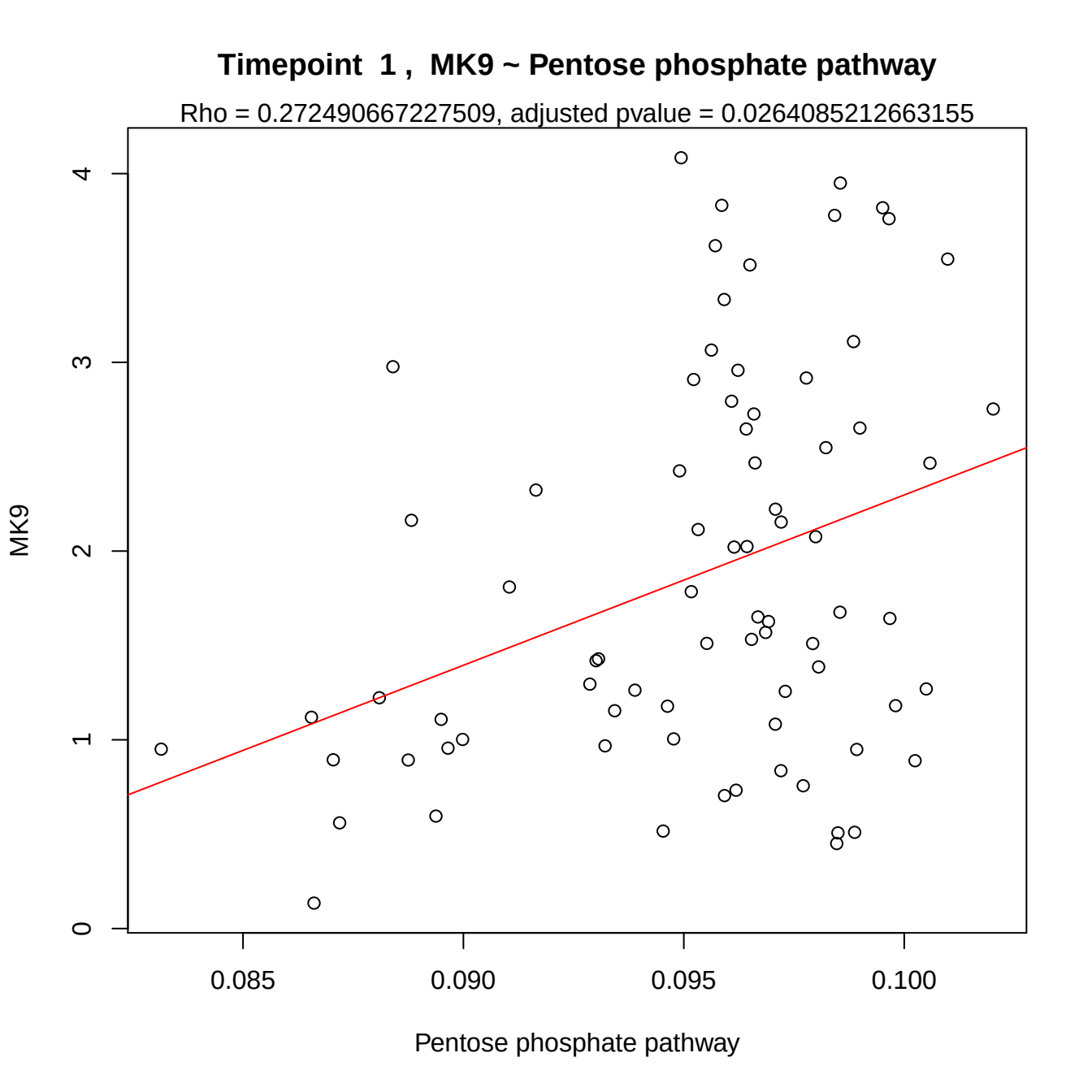

Timepoint 1 , MK9 ~ Inositol phosphate metabolism
Rho = 0.486013986013986, adjusted pvalue = 5.94656664243995e−05
MK9
0
1
2
3
4
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

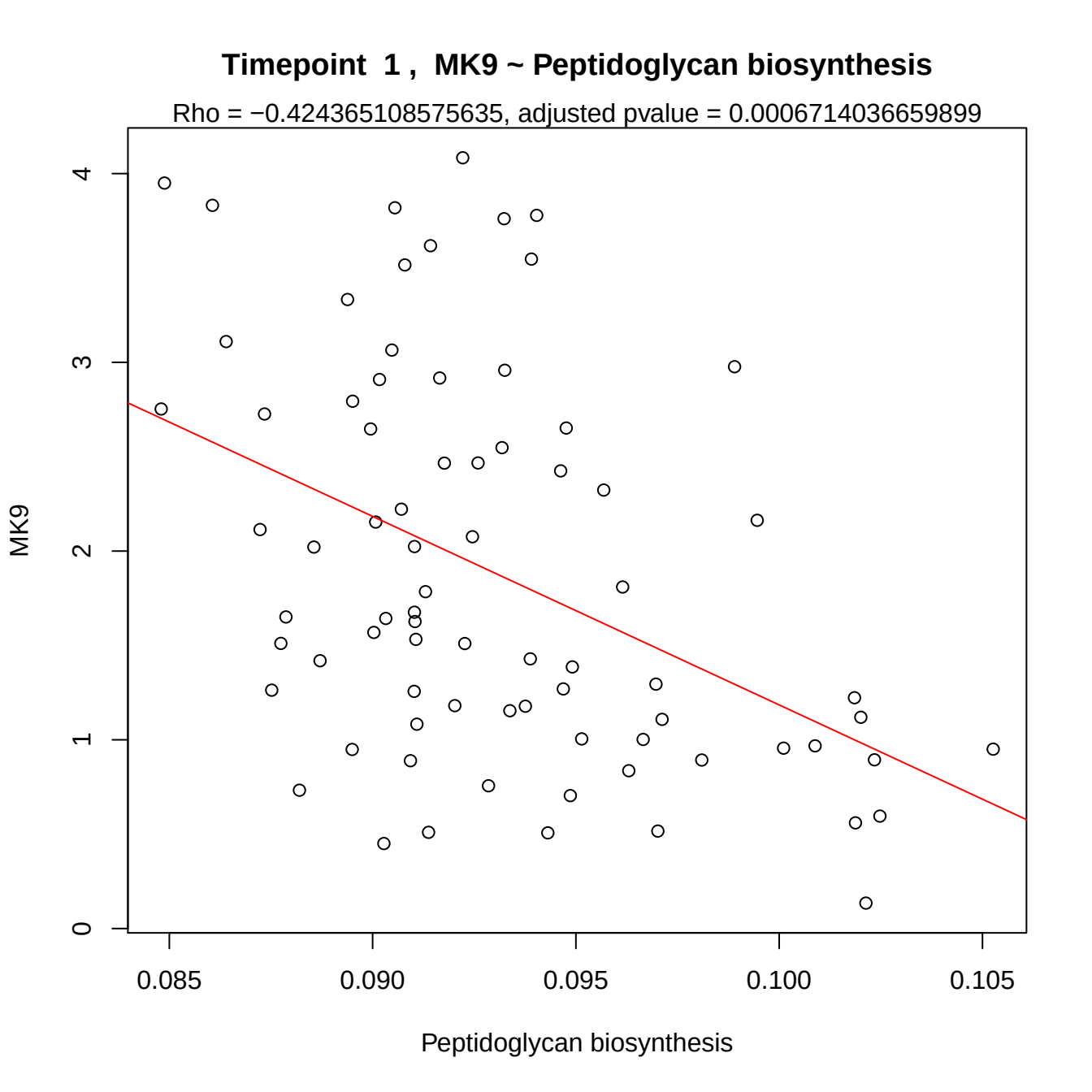

Timepoint 1 , MK9 ~ Lipid biosynthesis proteins
Rho = 0.418896892581103, adjusted pvalue = 0.000761917409849543
MK9
0
1
2
3
4
0.072
0.074
0.076
0.078
0.080
0.082
Lipid biosynthesis proteins

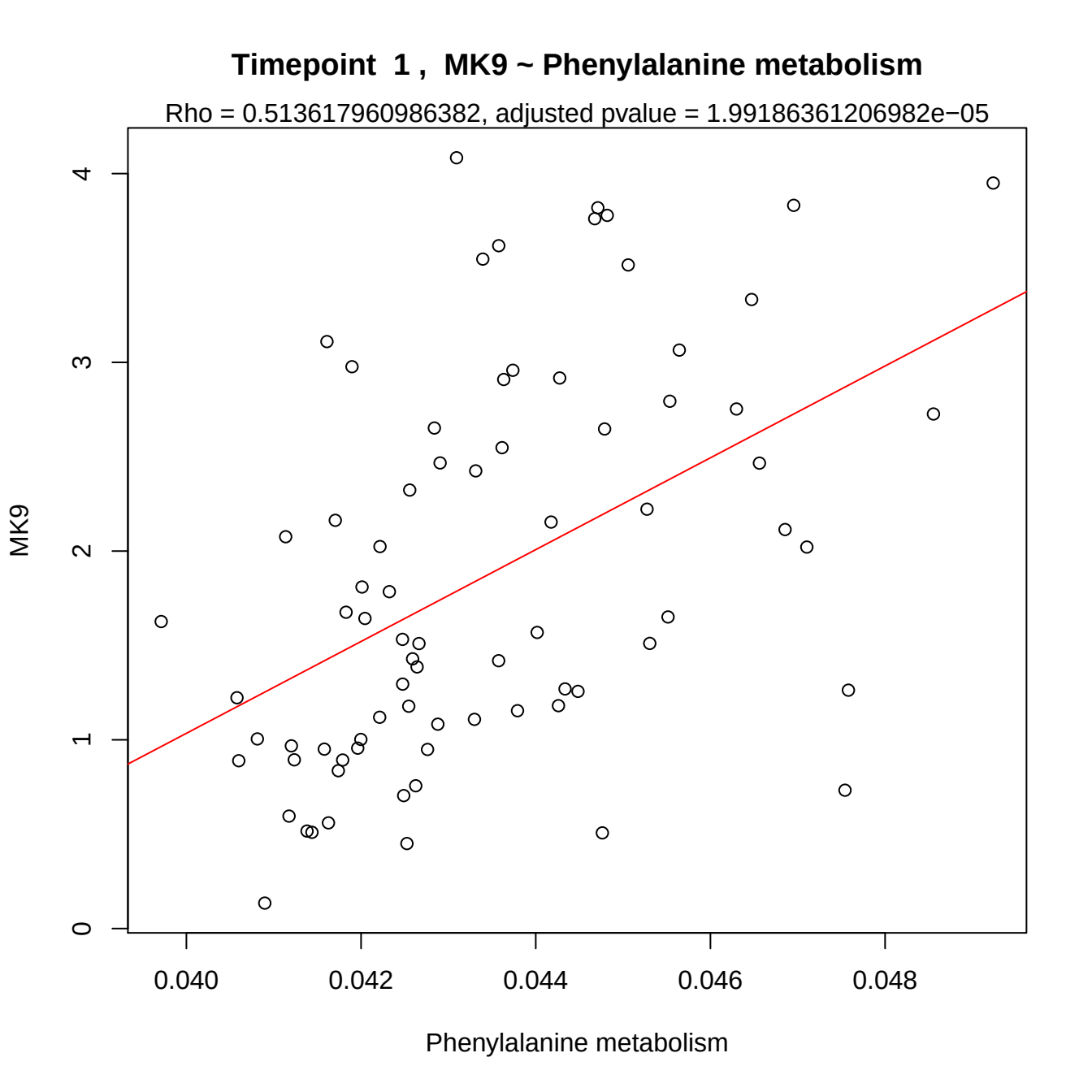

Timepoint 1 , MK9 ~ Lysine degradation
Rho = 0.377280614122719, adjusted pvalue = 0.00287428201613193
MK9
0
1
2
3
4
0.030
0.032
0.034
0.036
Lysine degradation

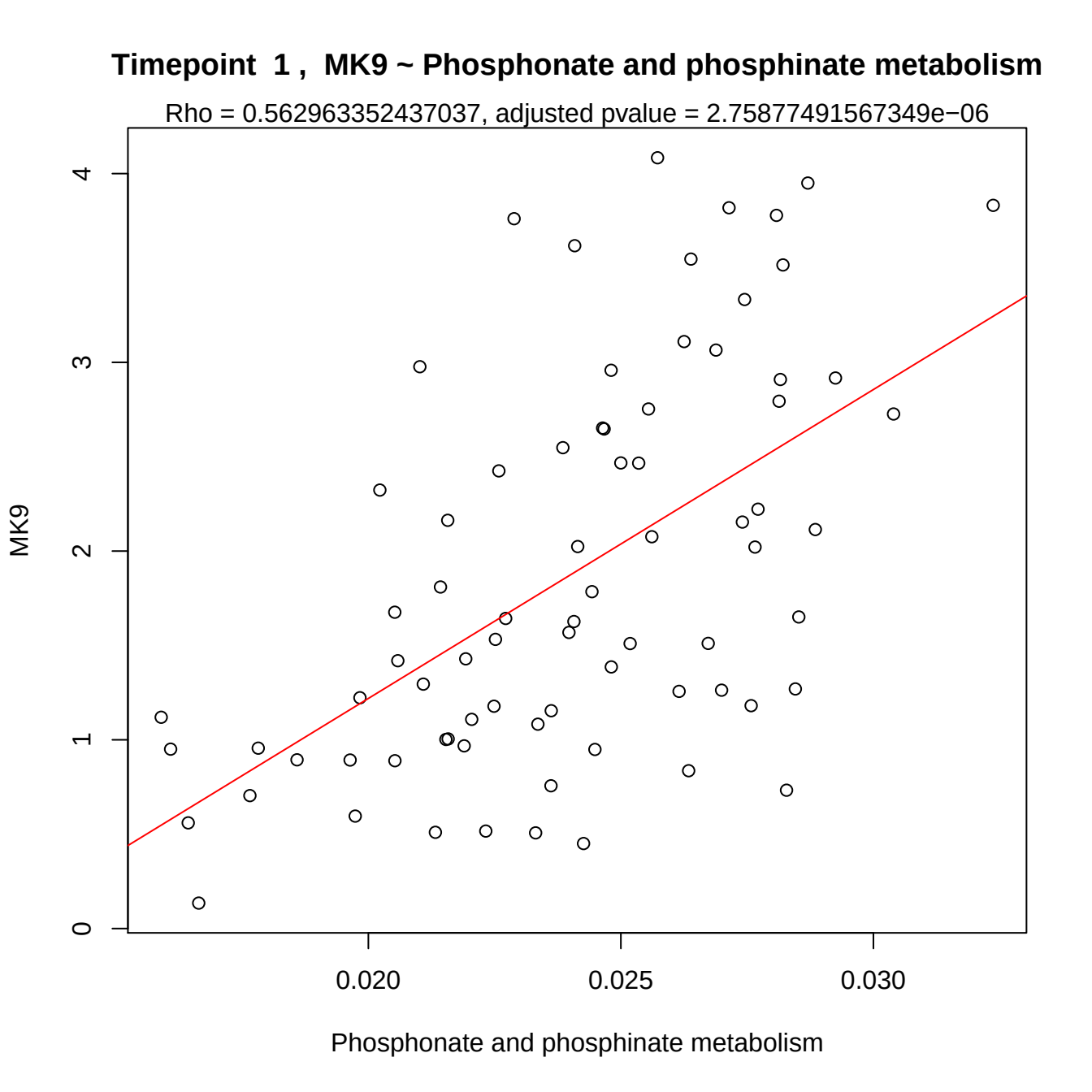

Timepoint 1 , MK9 ~ Other glycan degradation
Rho = 0.374415058625585, adjusted pvalue = 0.00296670738775038
MK9
0
1
2
3
4
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

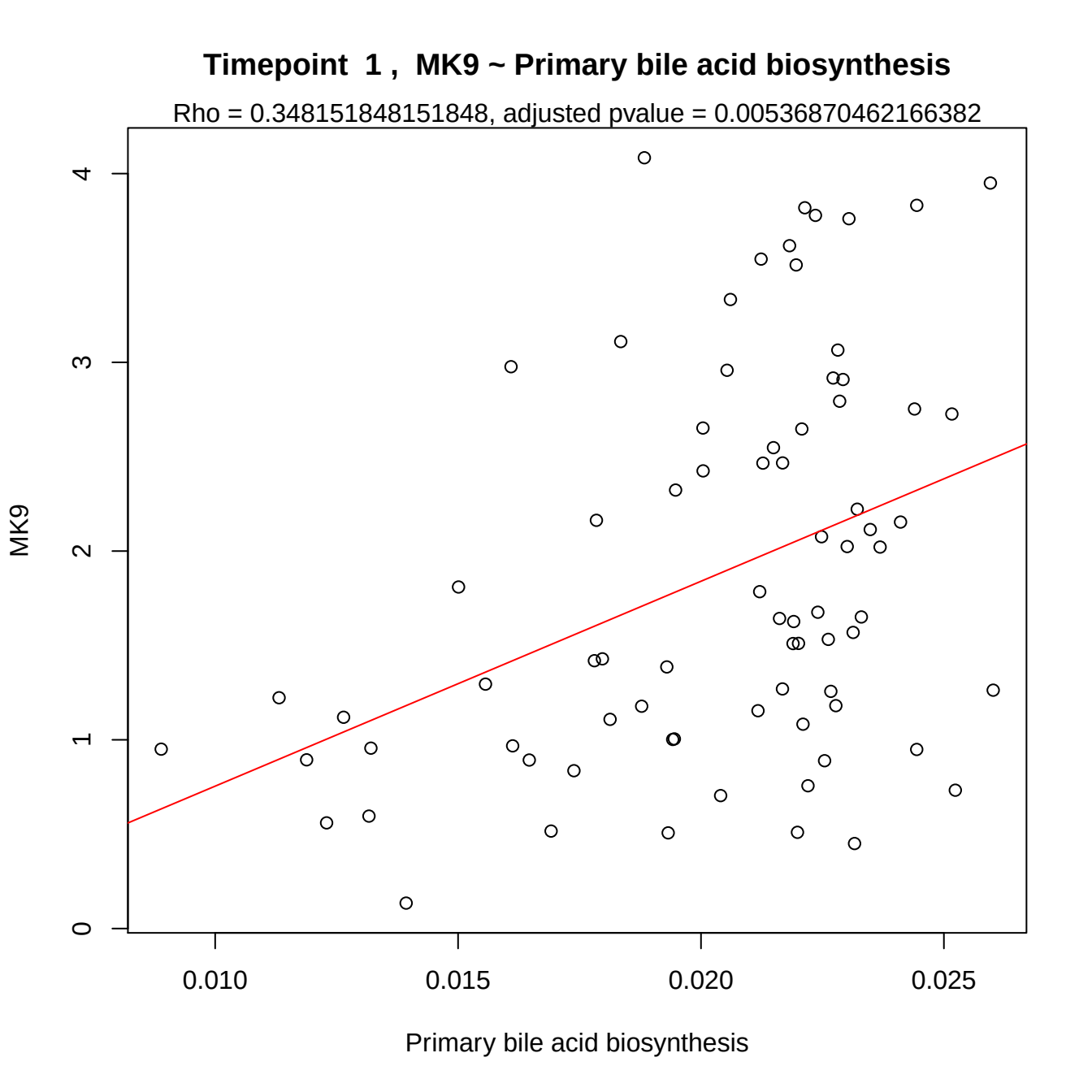

Timepoint 1 , MK9 ~ Pentose and glucuronate interconversions
Rho = 0.455307850044692, adjusted pvalue = 0.000222228033334726
MK9
0
1
2
3
4
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

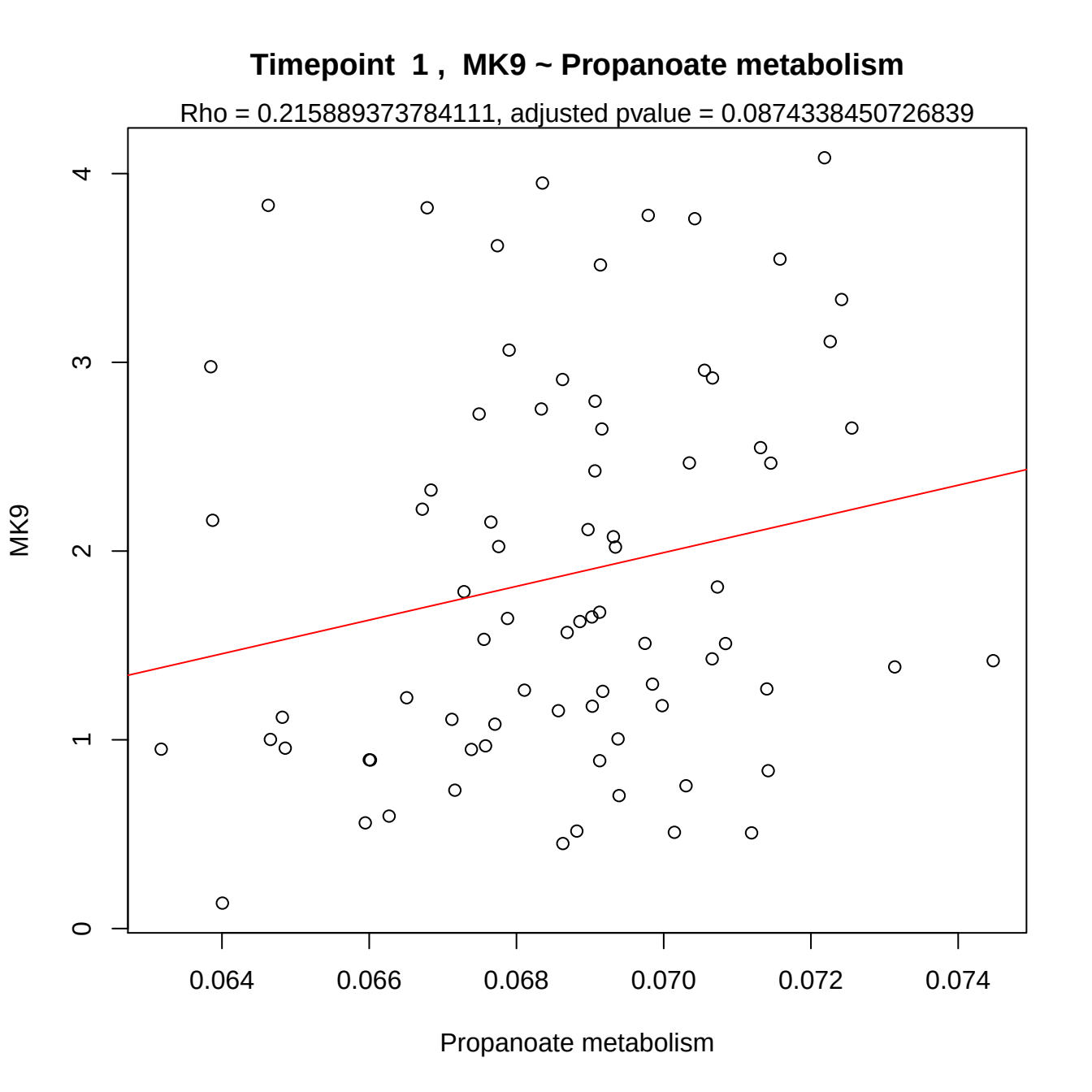

Timepoint 1 , MK9 ~ Pentose phosphate pathway
Rho = 0.272490667227509, adjusted pvalue = 0.0264085212663155
MK9
0
1
2
3
4
0.085
0.090
0.095
0.100
Pentose phosphate pathway

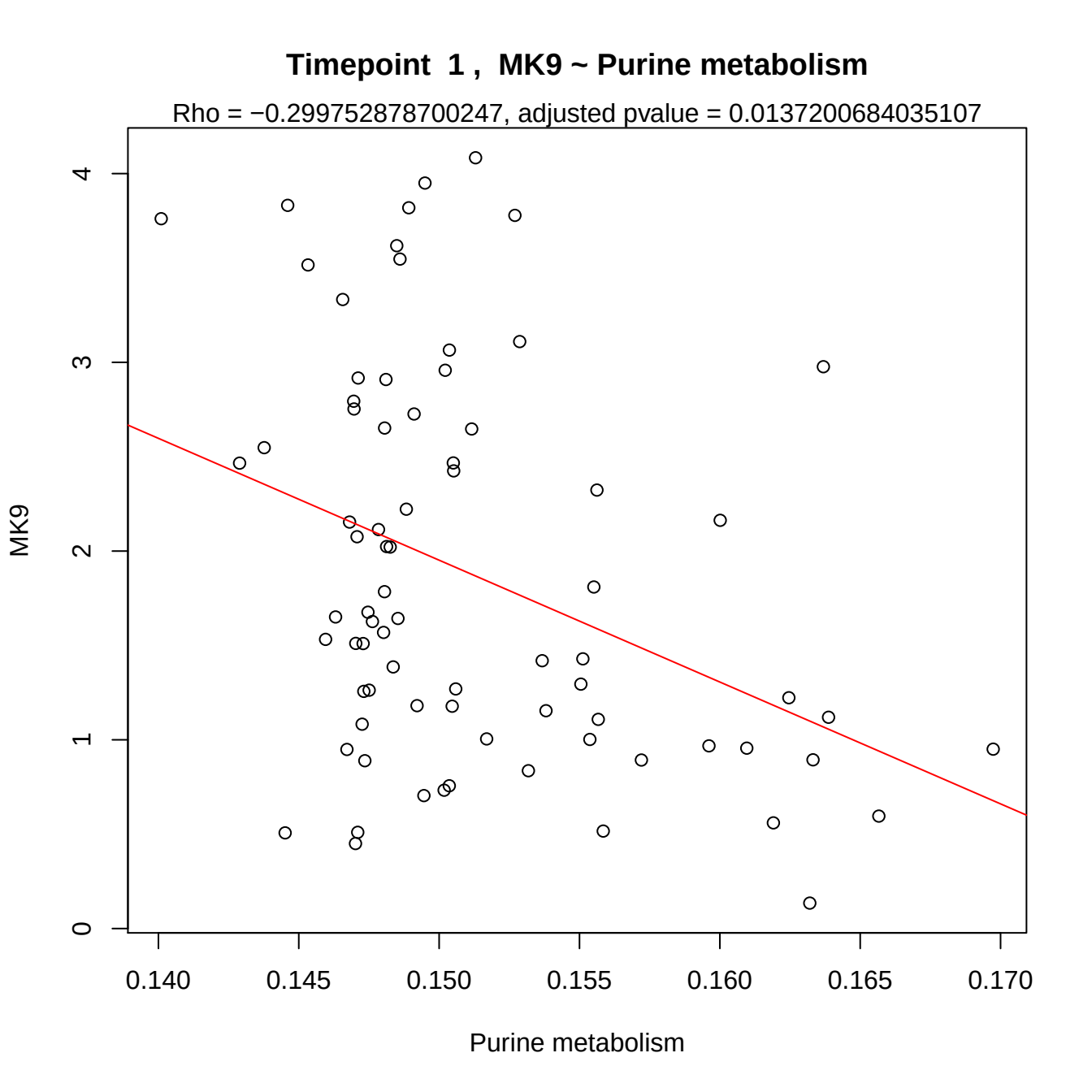

Timepoint 1 , MK9 ~ Peptidoglycan biosynthesis
Rho = −0.424365108575635, adjusted pvalue = 0.0006714036659899
MK9
0
1
2
3
4
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

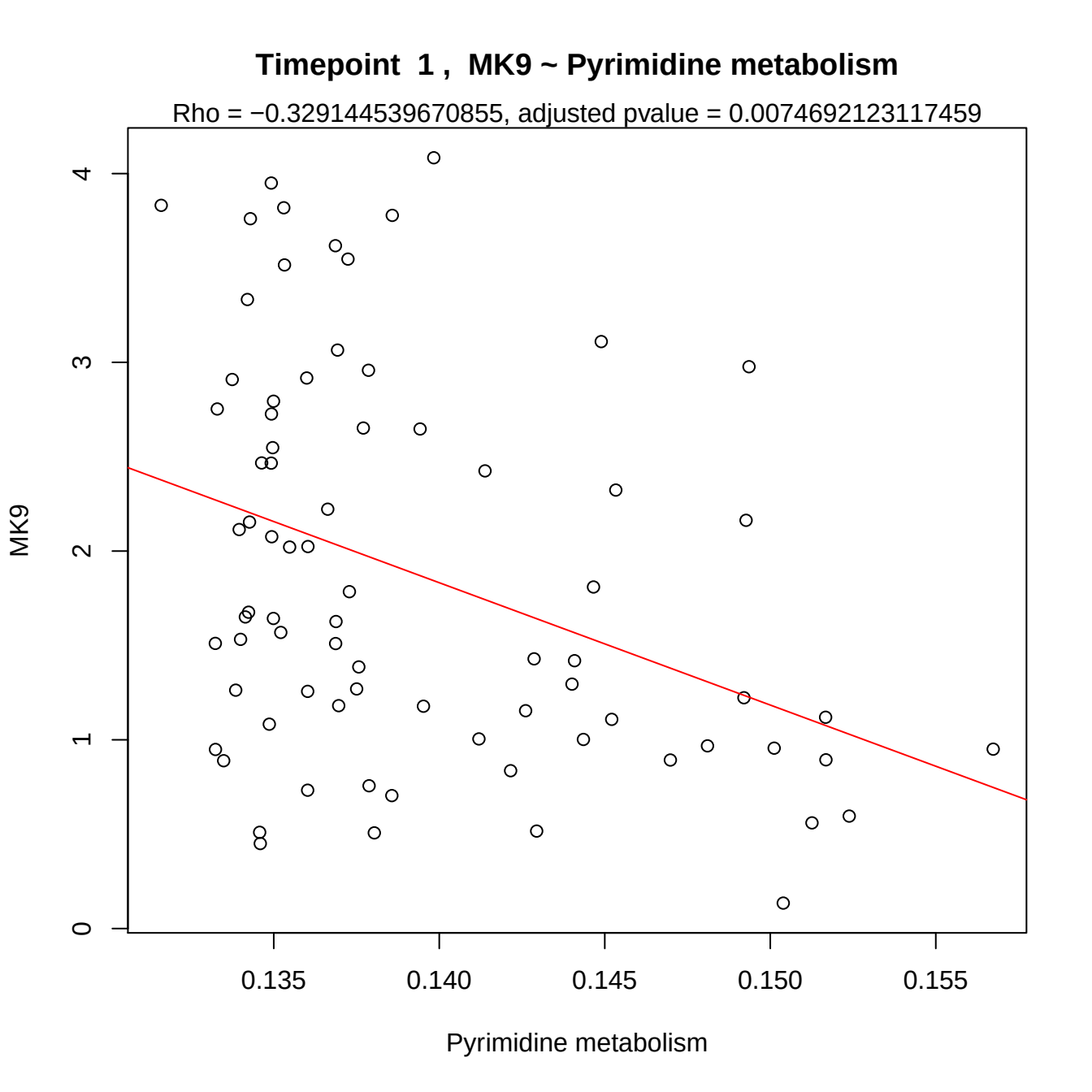

Timepoint 1 , MK9 ~ Phenylalanine metabolism
Rho = 0.513617960986382, adjusted pvalue = 1.99186361206982e−05
MK9
0
1
2
3
4
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

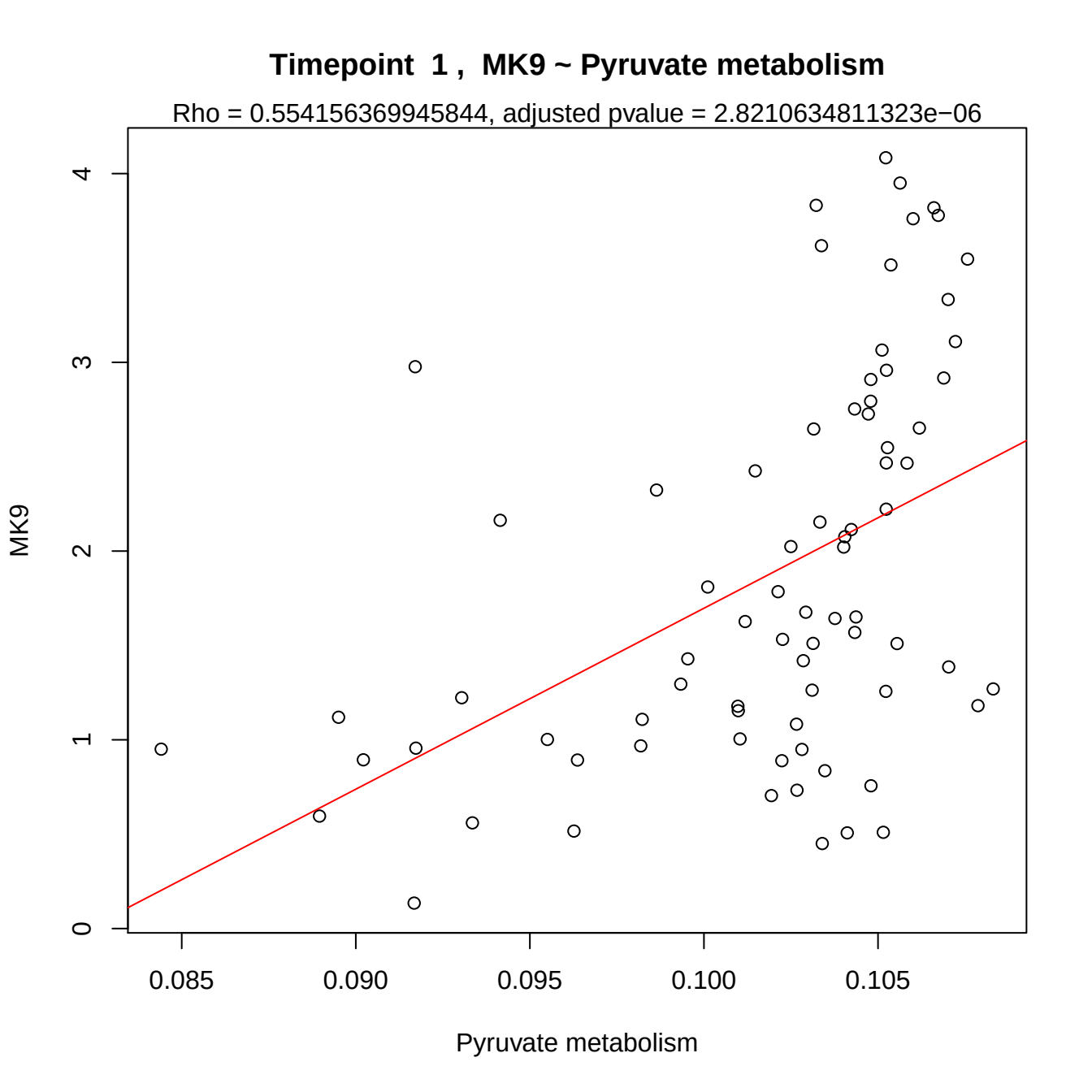

Timepoint 1 , MK9 ~ Phosphonate and phosphinate metabolism
Rho = 0.562963352437037, adjusted pvalue = 2.75877491567349e−06
MK9
0
1
2
3
4
0.020
0.025
0.030
Phosphonate and phosphinate metabolism

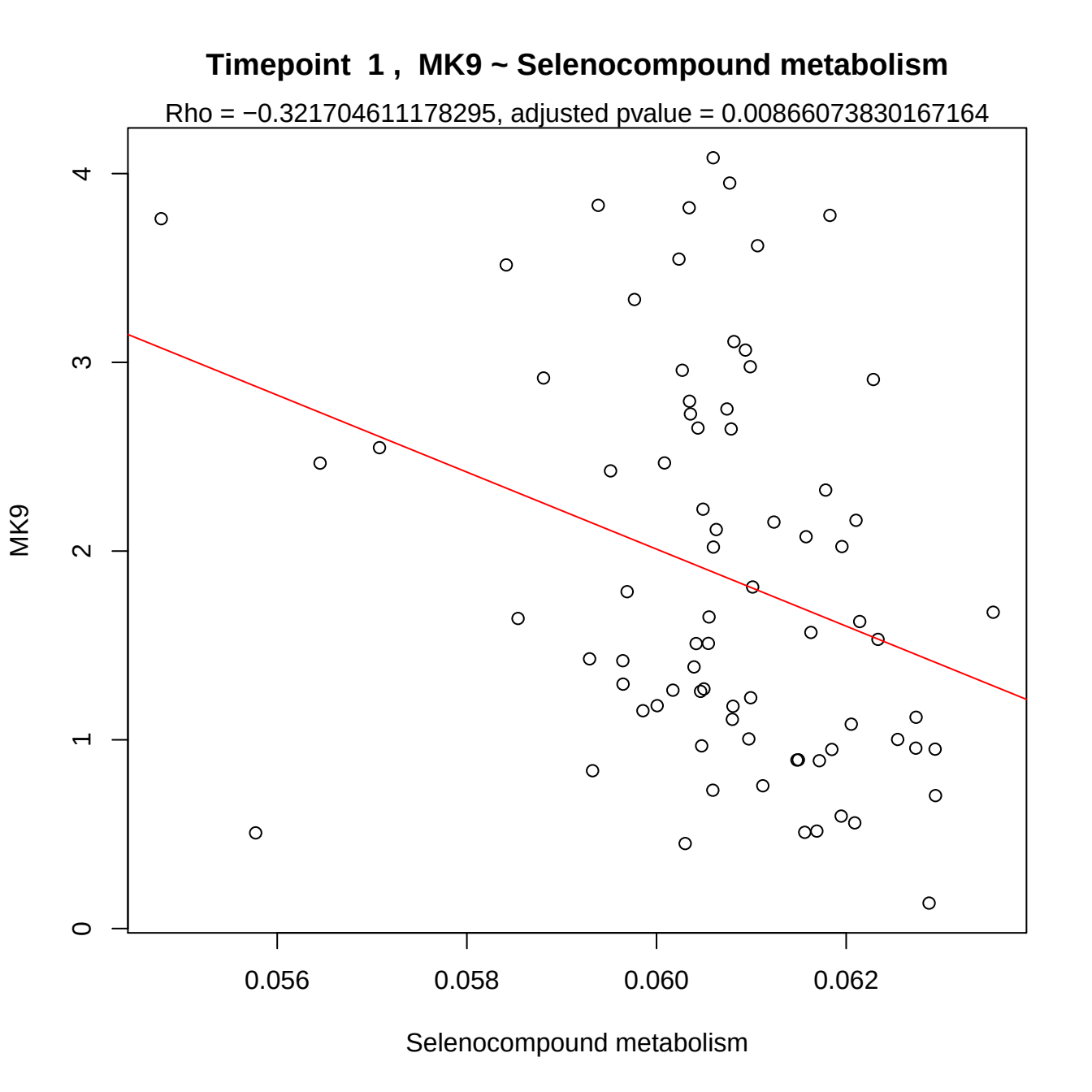

Timepoint 1 , MK9 ~ Primary bile acid biosynthesis
Rho = 0.348151848151848, adjusted pvalue = 0.00536870462166382
MK9
0
1
2
3
4
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

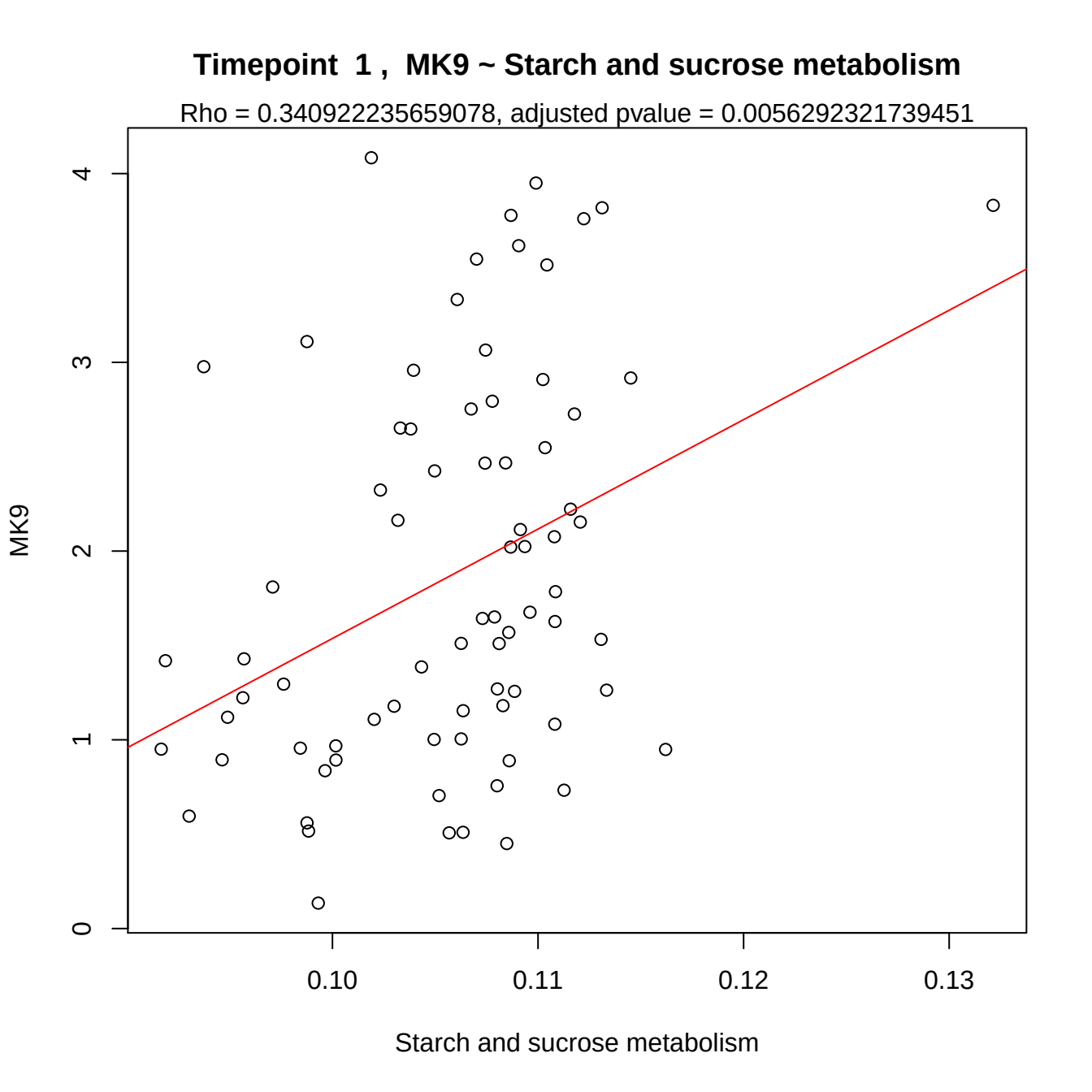

Timepoint 1 , MK9 ~ Propanoate metabolism
Rho = 0.215889373784111, adjusted pvalue = 0.0874338450726839
MK9
0
1
2
3
4
0.064
0.066
0.068
0.070
0.072
0.074
Propanoate metabolism

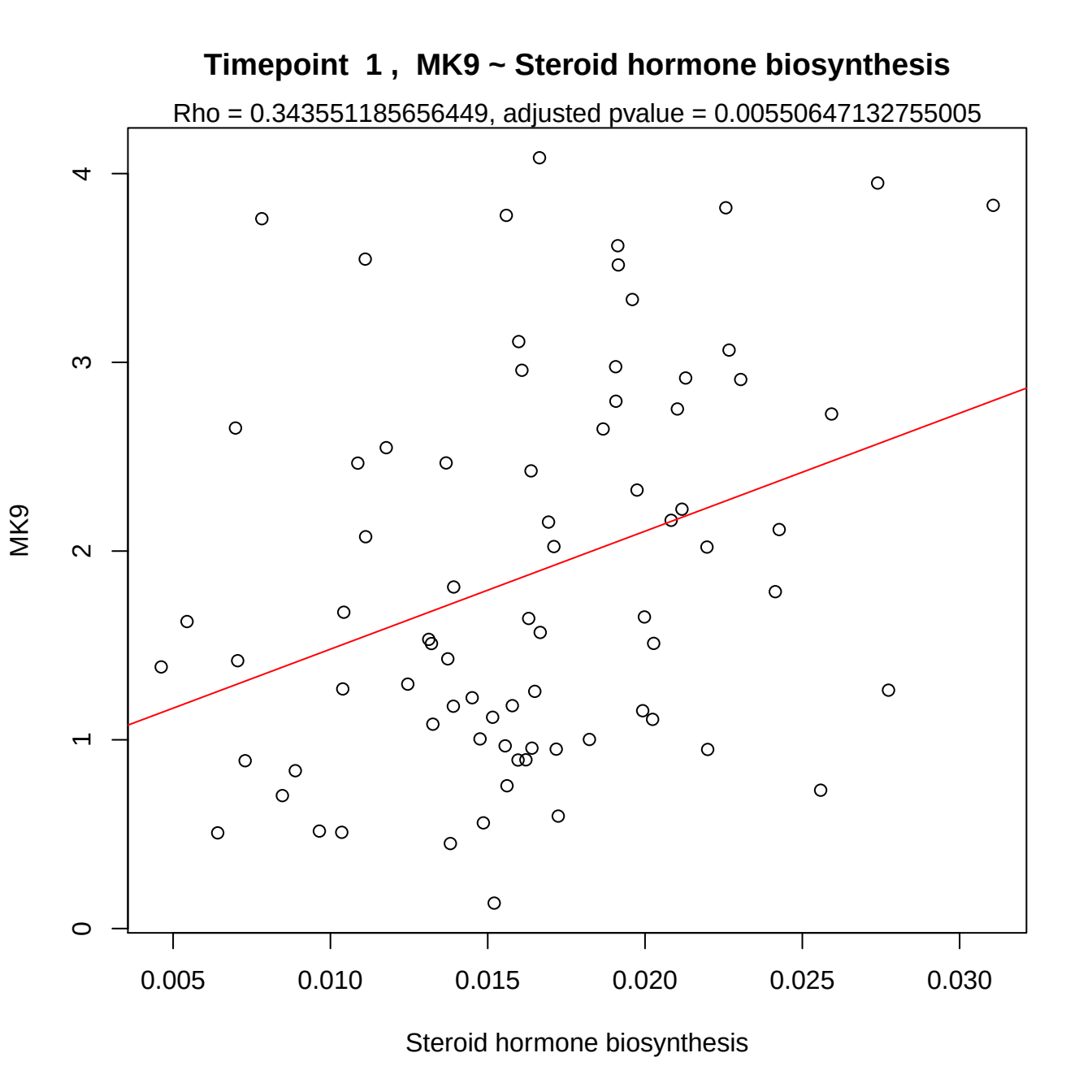

Timepoint 1 , MK9 ~ Purine metabolism
Rho = −0.299752878700247, adjusted pvalue = 0.0137200684035107
MK9
0
1
2
3
4
0.140
0.145
0.150
0.155
0.160
0.165
0.170
Purine metabolism

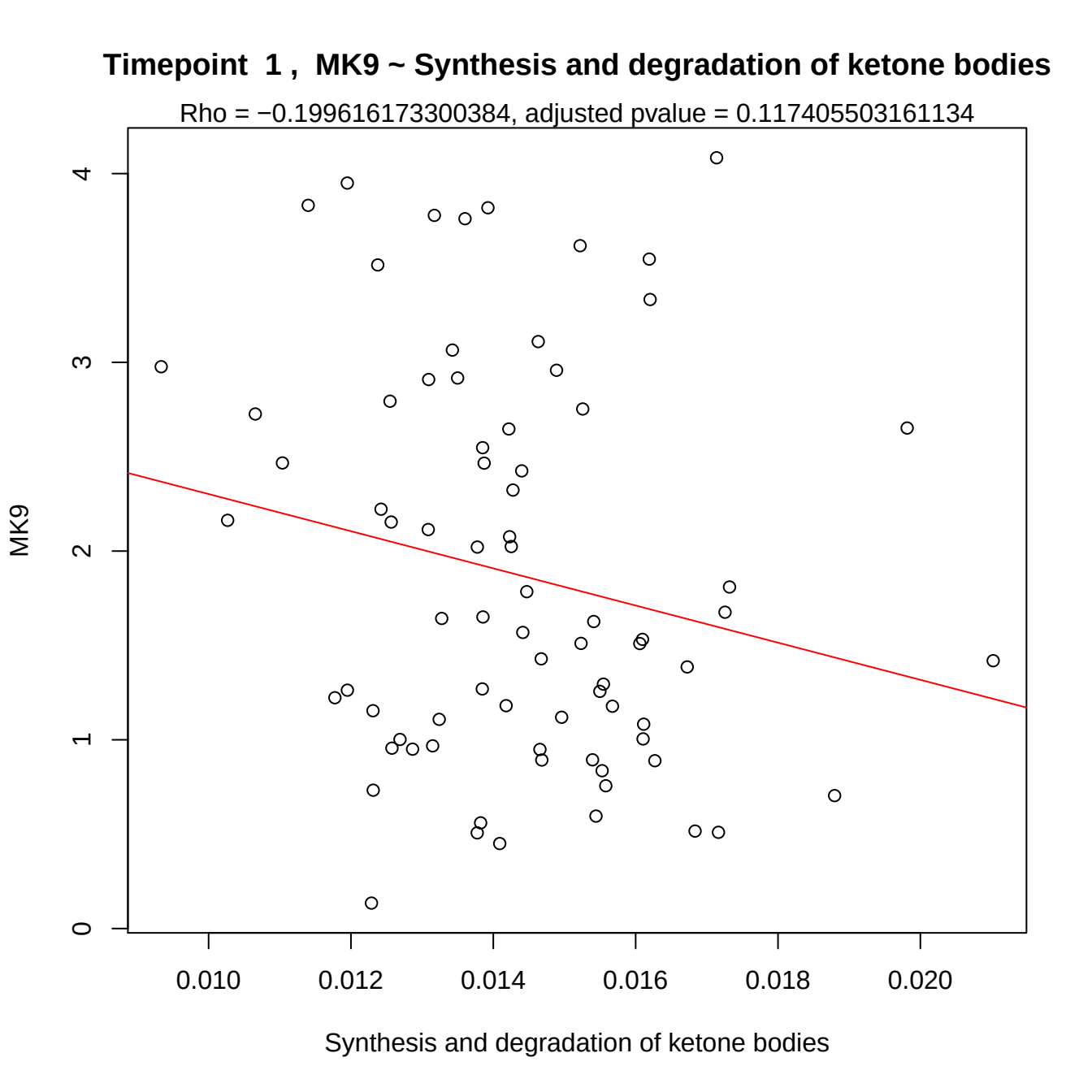

Timepoint 1 , MK9 ~ Pyrimidine metabolism
Rho = −0.329144539670855, adjusted pvalue = 0.0074692123117459
MK9
0
1
2
3
4
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

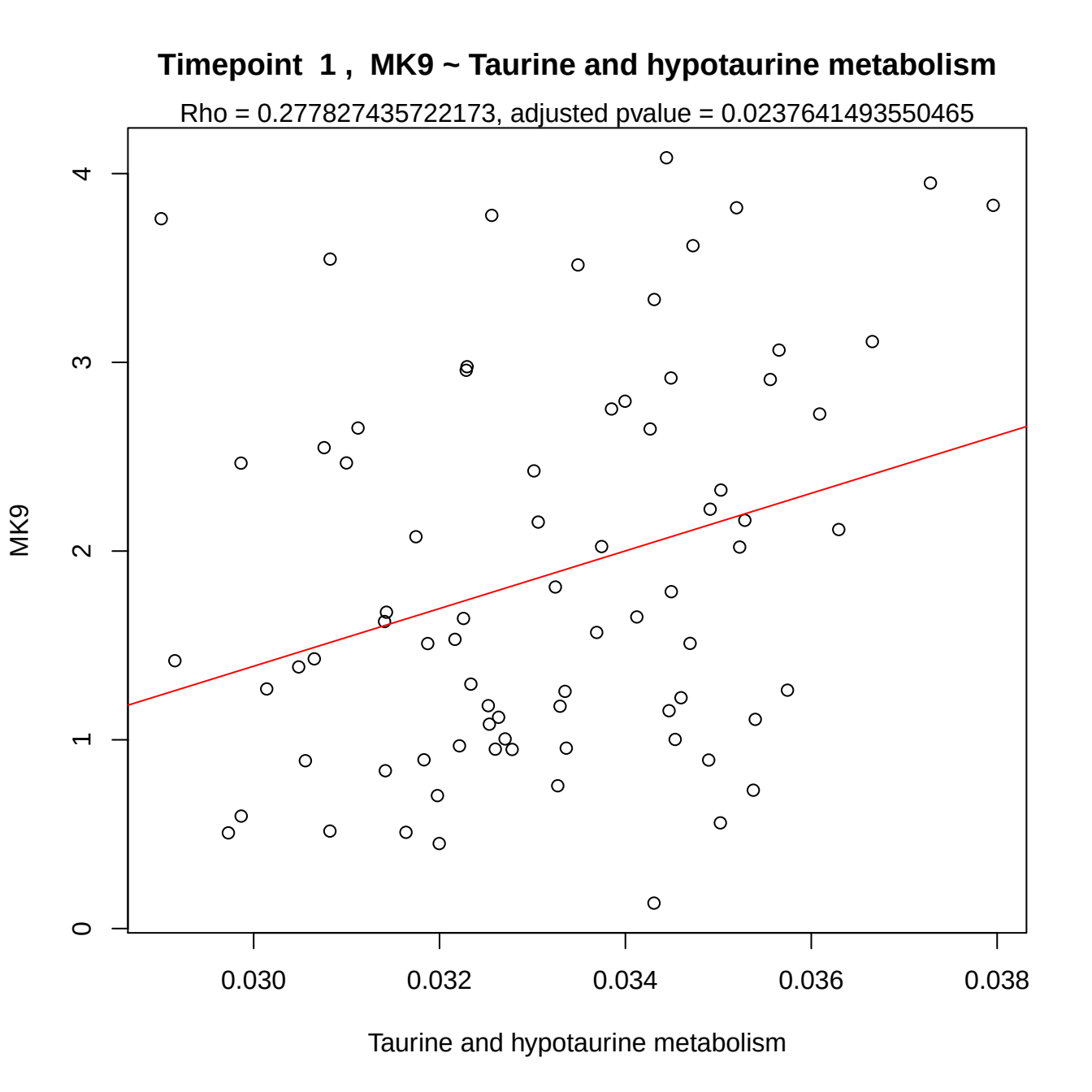

Timepoint 1 , MK9 ~ Pyruvate metabolism
Rho = 0.554156369945844, adjusted pvalue = 2.8210634811323e−06
MK9
0
1
2
3
4
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

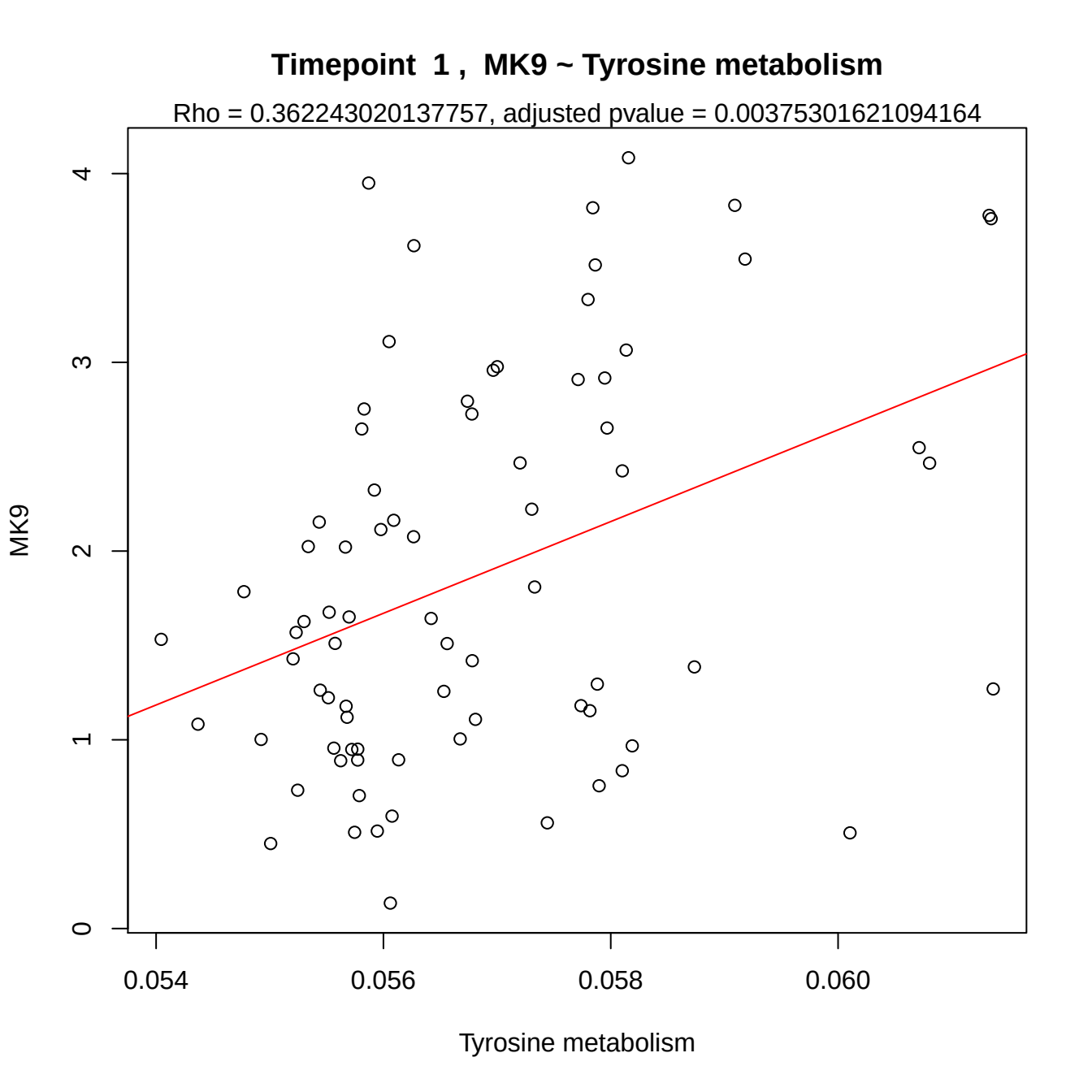

Timepoint 1 , MK9 ~ Selenocompound metabolism
Rho = −0.321704611178295, adjusted pvalue = 0.00866073830167164
MK9
0
1
2
3
4
0.056
0.058
0.060
0.062
Selenocompound metabolism

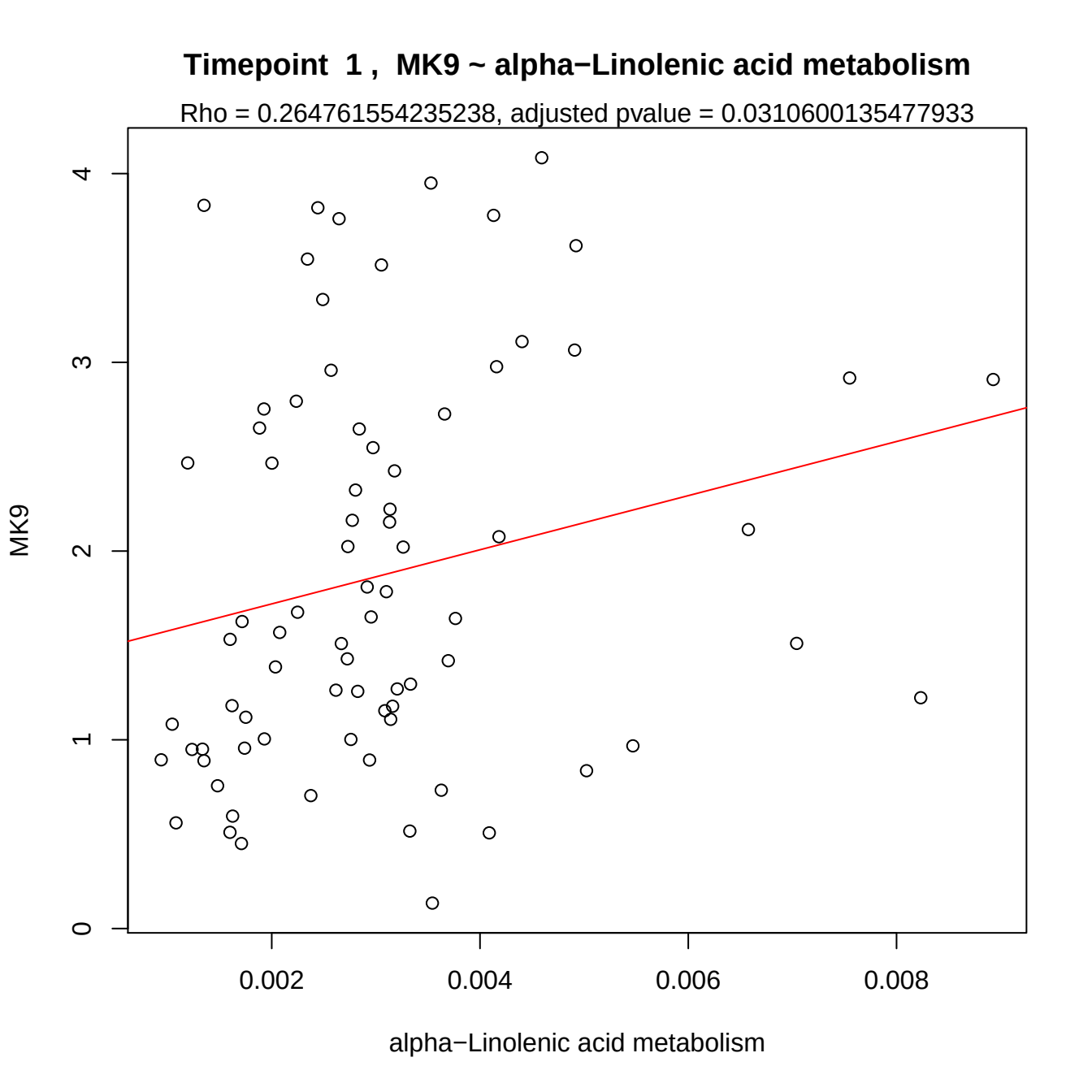

Timepoint 1 , MK9 ~ Starch and sucrose metabolism
Rho = 0.340922235659078, adjusted pvalue = 0.0056292321739451
MK9
0
1
2
3
4
0.10
0.11
0.12
0.13
Starch and sucrose metabolism

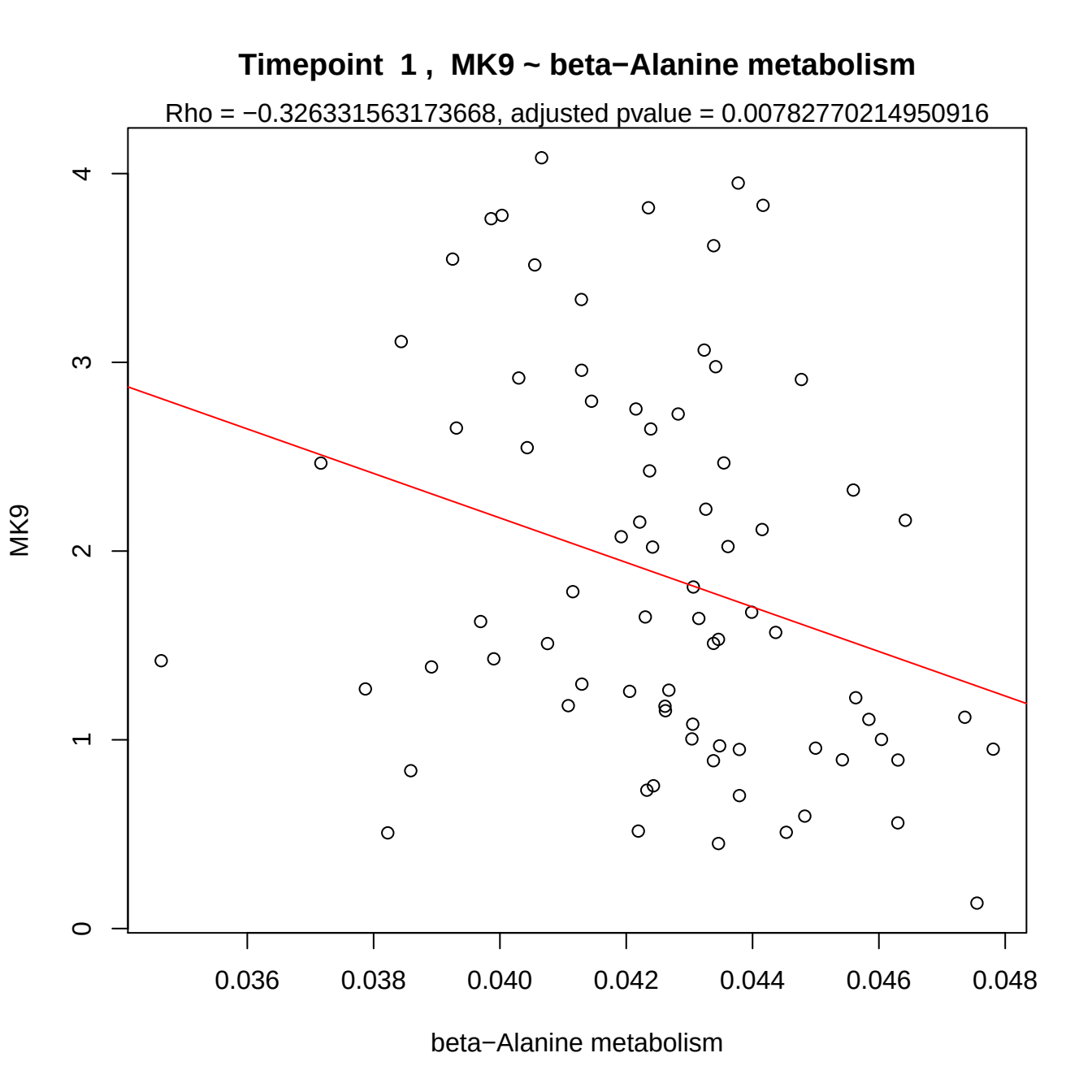

Timepoint 1 , MK9 ~ Steroid hormone biosynthesis
Rho = 0.343551185656449, adjusted pvalue = 0.00550647132755005
MK9
0
1
2
3
4
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis

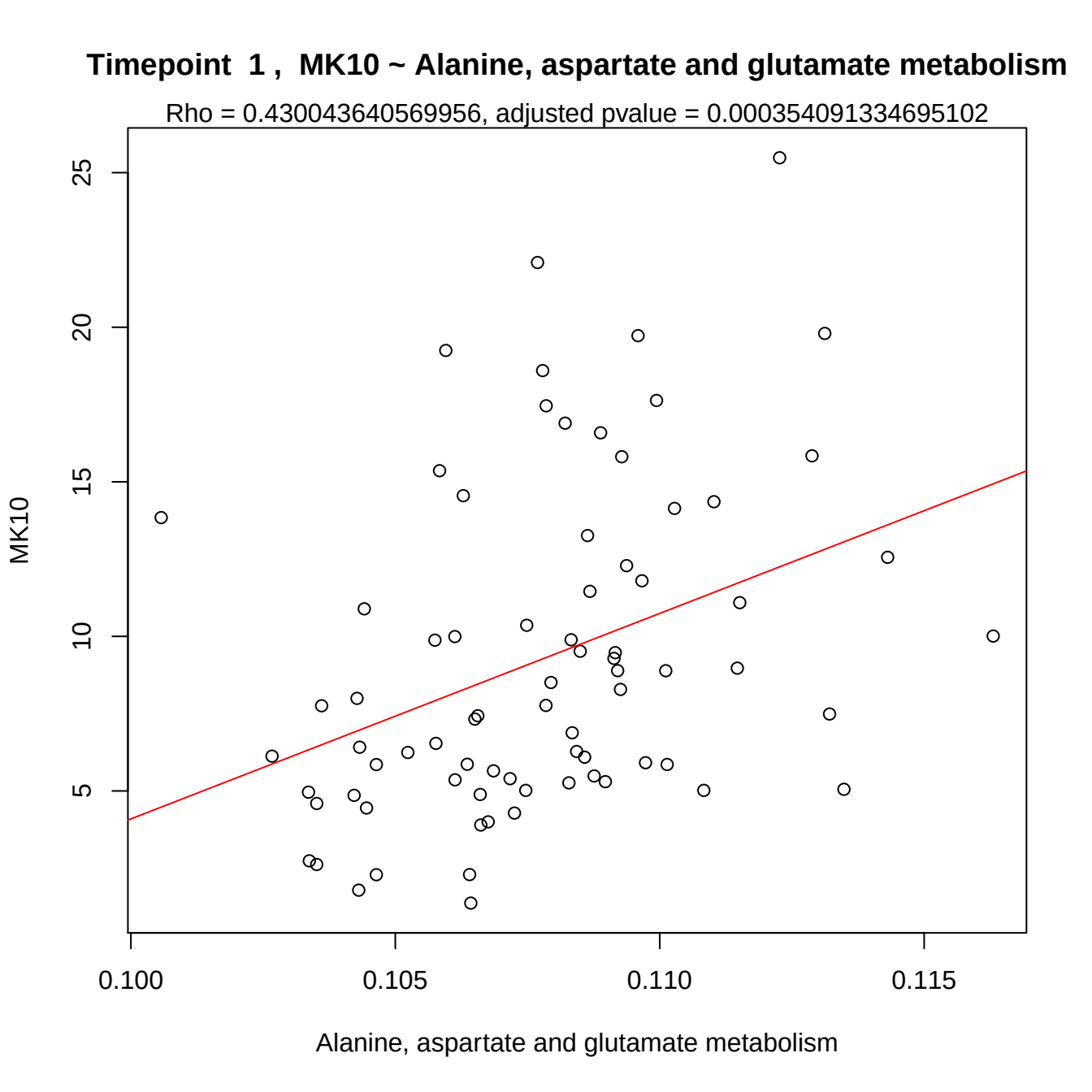

Timepoint 1 , MK9 ~ Synthesis and degradation of ketone bodies
Rho = −0.199616173300384, adjusted pvalue = 0.117405503161134
MK9
0
1
2
3
4
0.010
0.012
0.014
0.016
0.018
0.020
Synthesis and degradation of ketone bodies

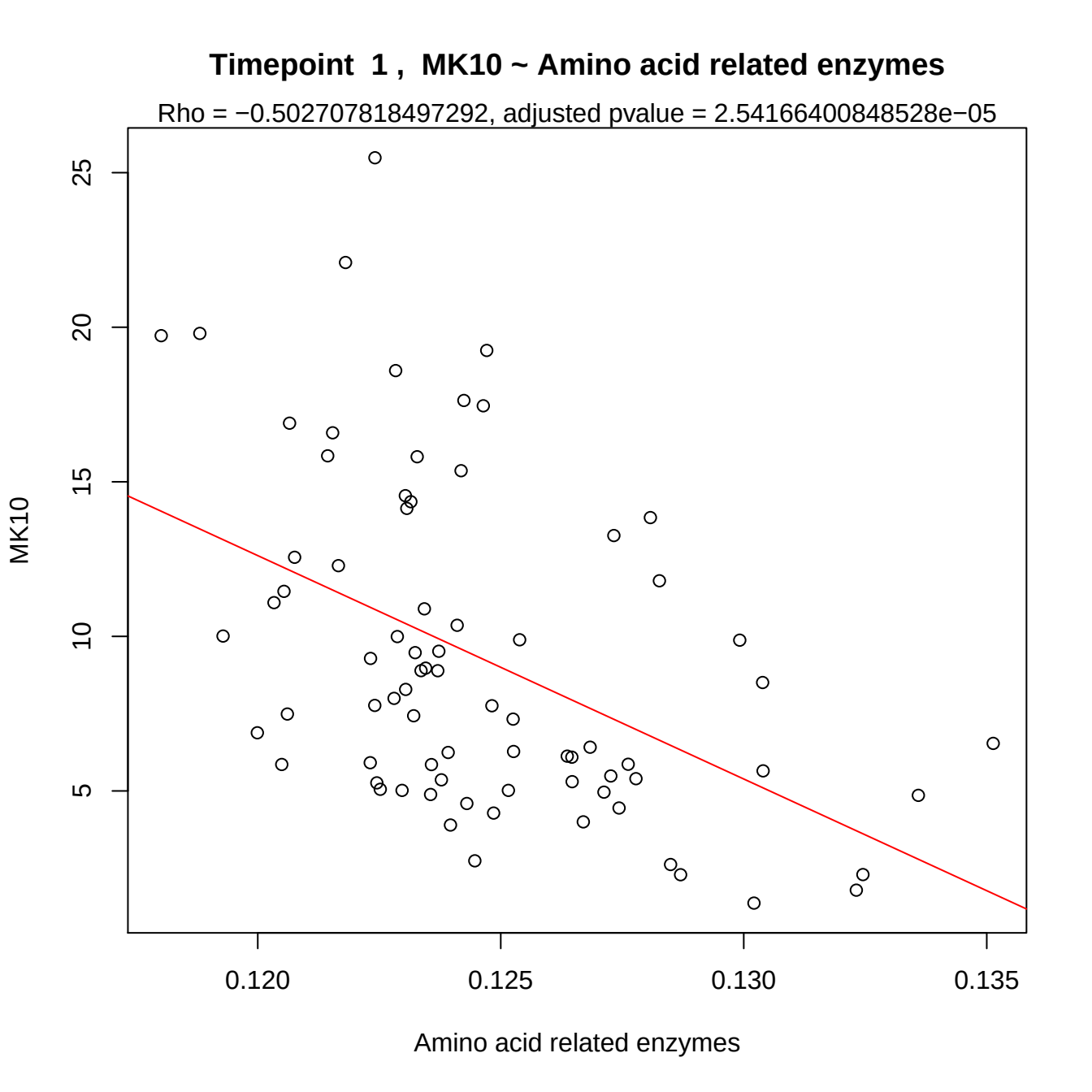

Timepoint 1 , MK9 ~ Taurine and hypotaurine metabolism
Rho = 0.277827435722173, adjusted pvalue = 0.0237641493550465
MK9
0
1
2
3
4
0.030
0.032
0.034
0.036
0.038
Taurine and hypotaurine metabolism

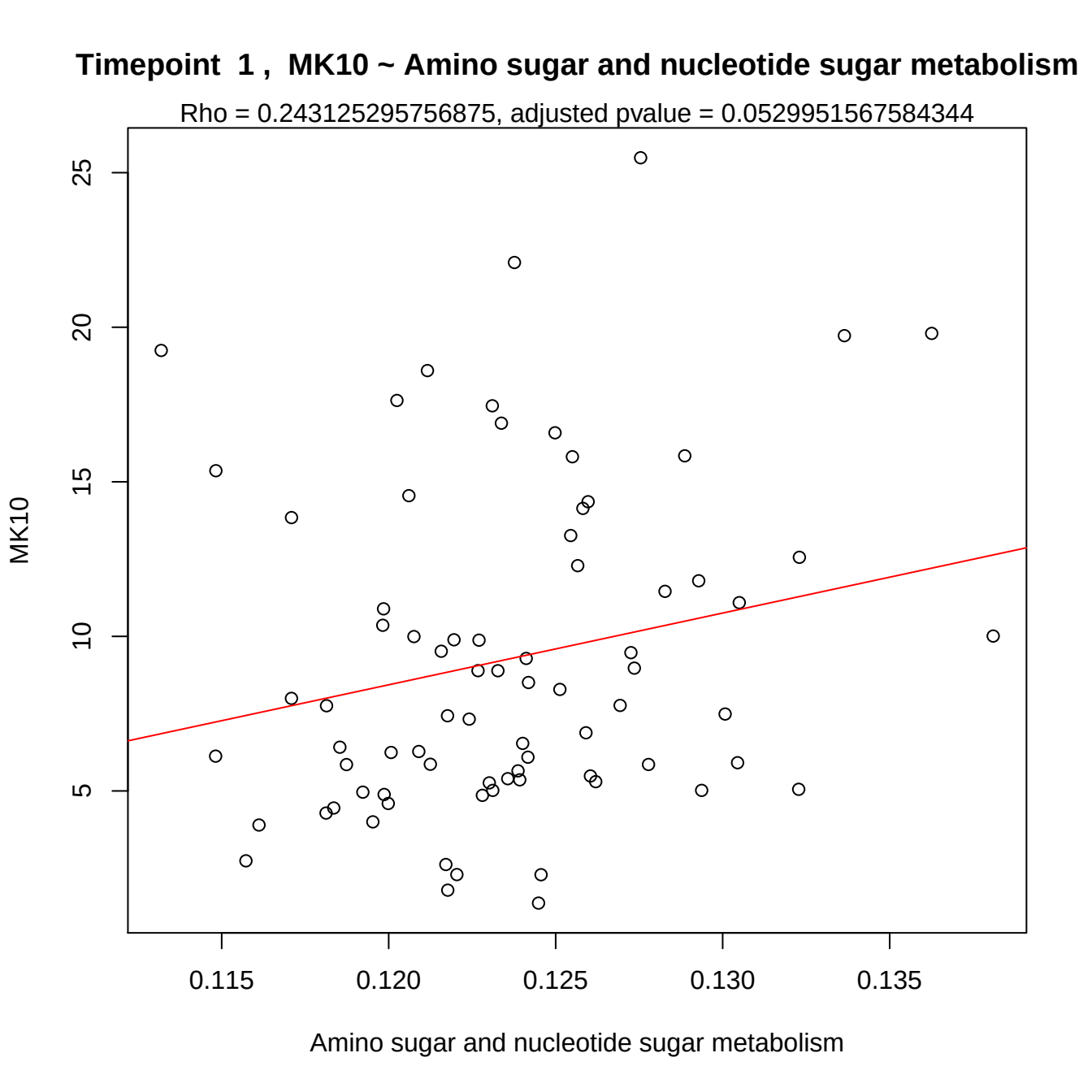

Timepoint 1 , MK9 ~ Tyrosine metabolism
Rho = 0.362243020137757, adjusted pvalue = 0.00375301621094164
MK9
0
1
2
3
4
0.054
0.056
0.058
0.060
Tyrosine metabolism

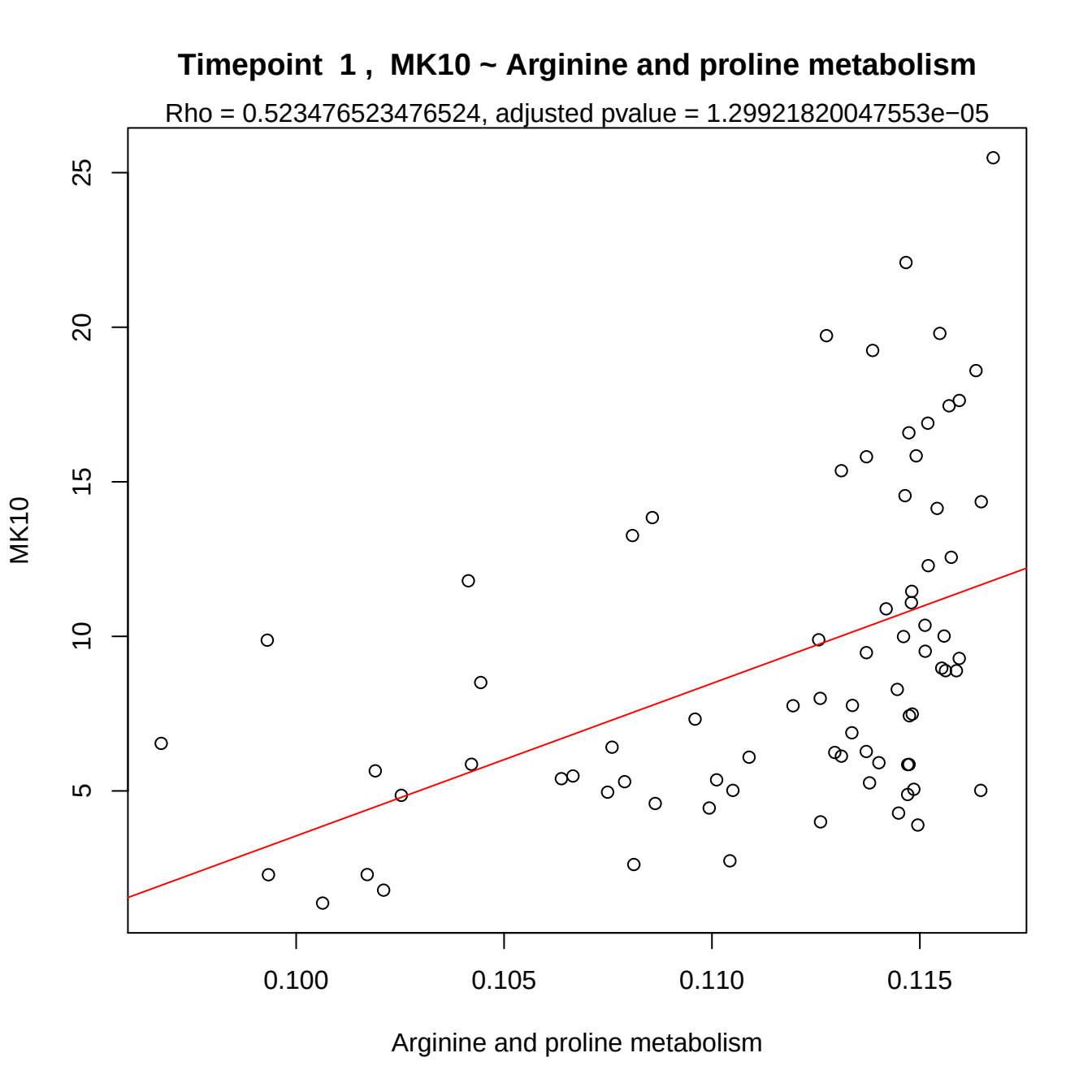

Timepoint 1 , MK9 ~ alpha−Linolenic acid metabolism
Rho = 0.264761554235238, adjusted pvalue = 0.0310600135477933
MK9
0
1
2
3
4
0.002
0.004
0.006
0.008
alpha−Linolenic acid metabolism

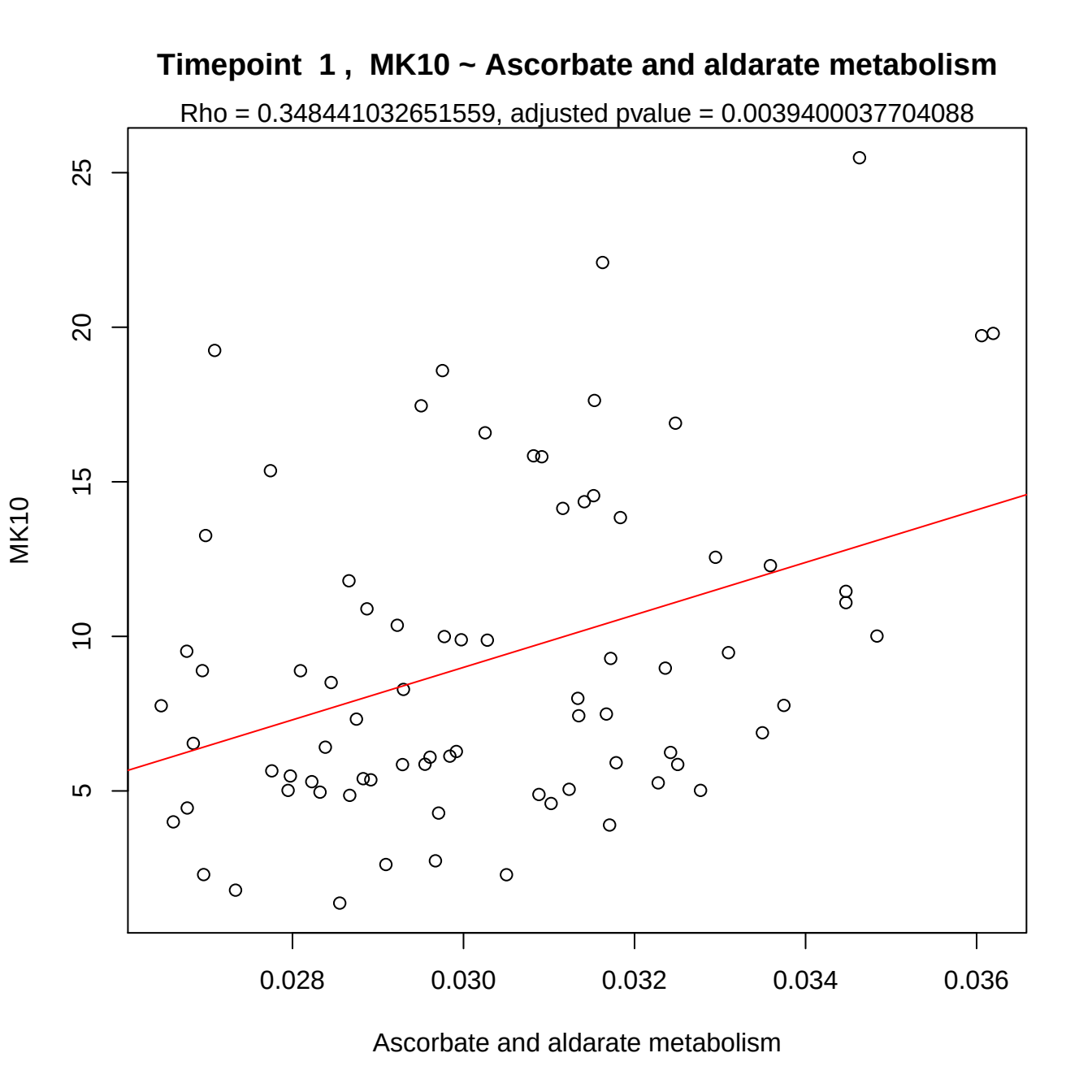

Timepoint 1 , MK9 ~ beta−Alanine metabolism
Rho = −0.326331563173668, adjusted pvalue = 0.00782770214950916
MK9
0
1
2
3
4
0.036
0.038
0.040
0.042
0.044
0.046
0.048
beta−Alanine metabolism

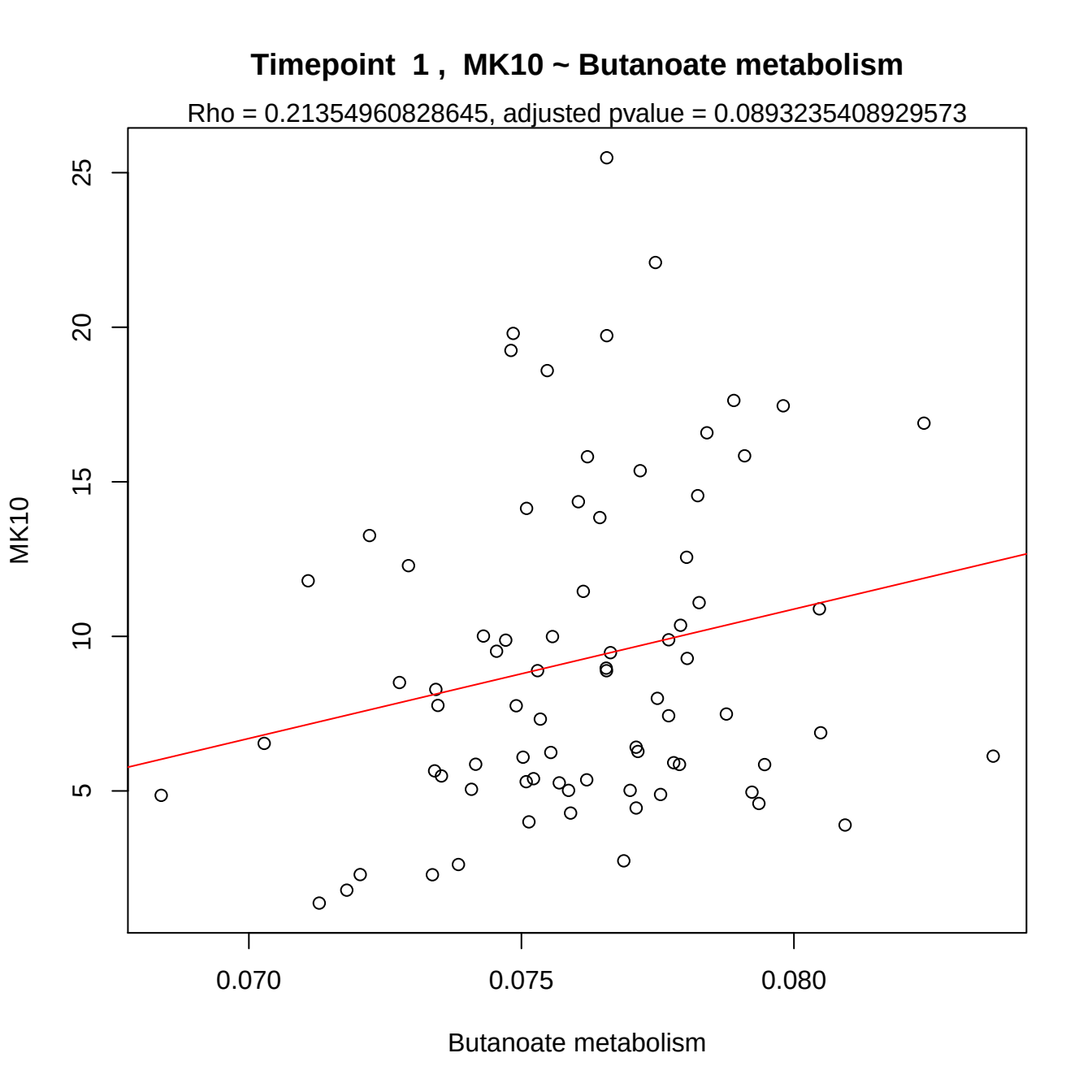

Timepoint 1 , MK10 ~ Alanine, aspartate and glutamate metabolism
Rho = 0.430043640569956, adjusted pvalue = 0.000354091334695102
MK10
5
10
15
20
25
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

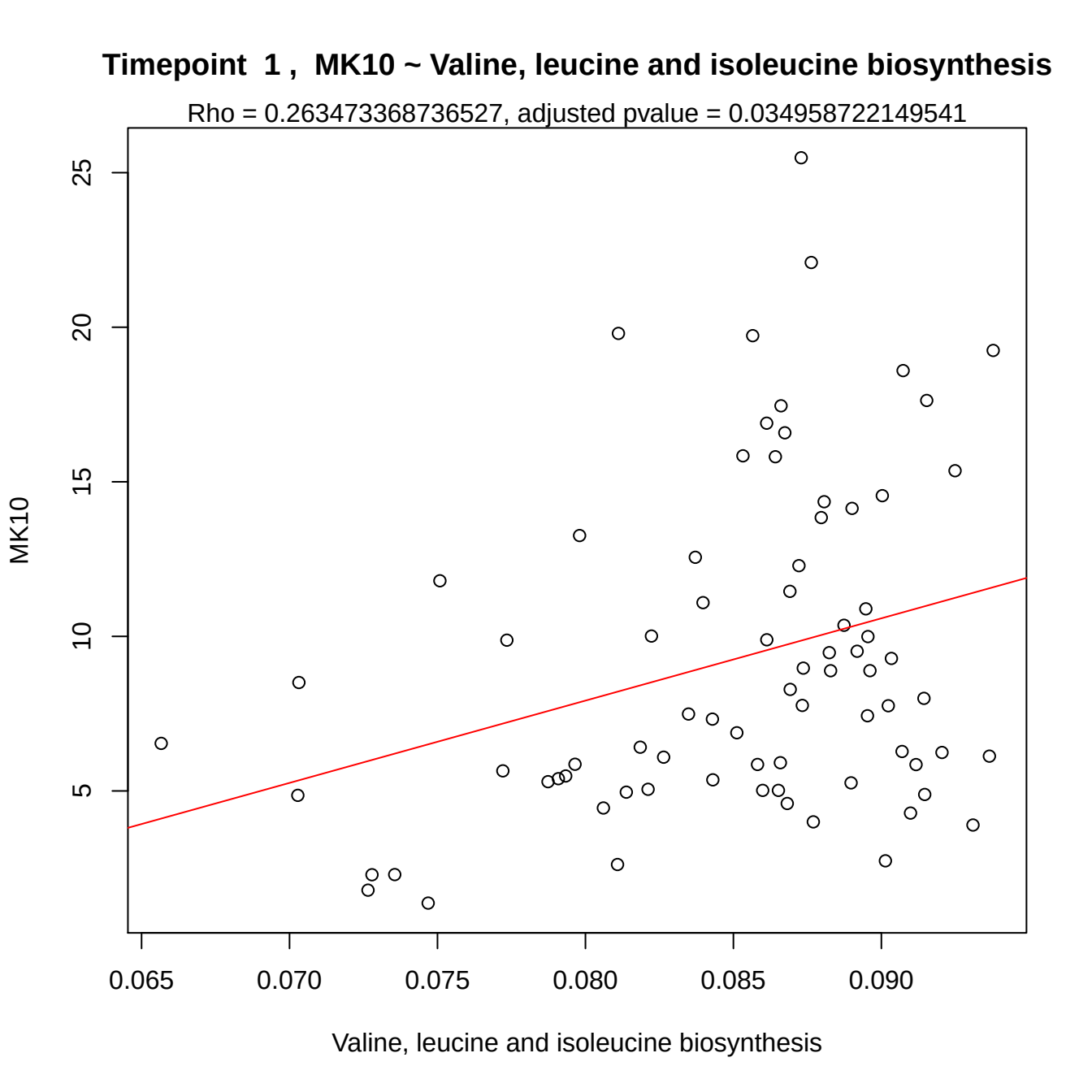

Timepoint 1 , MK10 ~ Amino acid related enzymes
Rho = −0.502707818497292, adjusted pvalue = 2.54166400848528e−05
MK10
5
10
15
20
25
0.120
0.125
0.130
0.135
Amino acid related enzymes

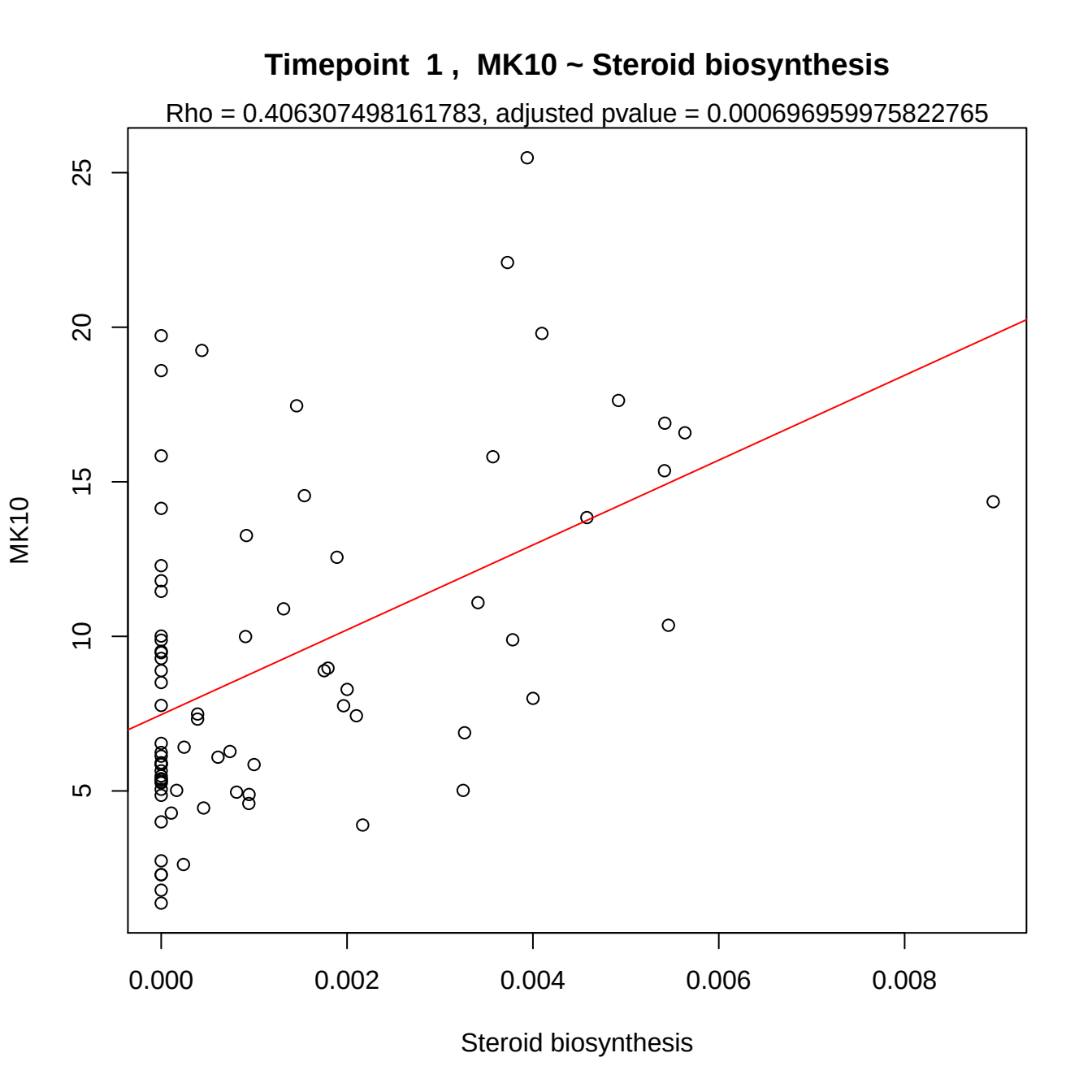

Timepoint 1 , MK10 ~ Amino sugar and nucleotide sugar metabolism
Rho = 0.243125295756875, adjusted pvalue = 0.0529951567584344
MK10
5
10
15
20
25
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

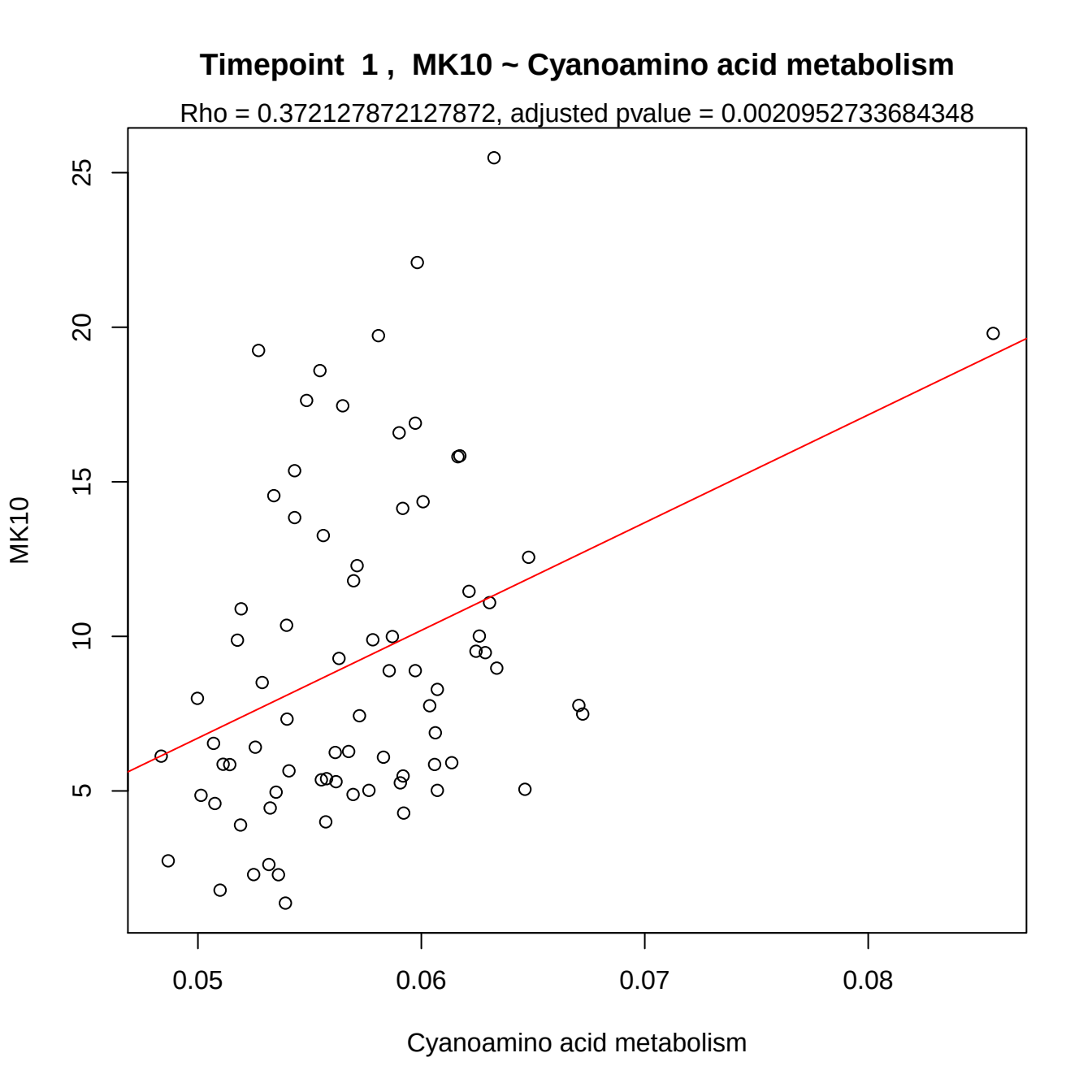

Timepoint 1 , MK10 ~ Arginine and proline metabolism
Rho = 0.523476523476524, adjusted pvalue = 1.29921820047553e−05
MK10
5
10
15
20
25
0.100
0.105
0.110
0.115
Arginine and proline metabolism

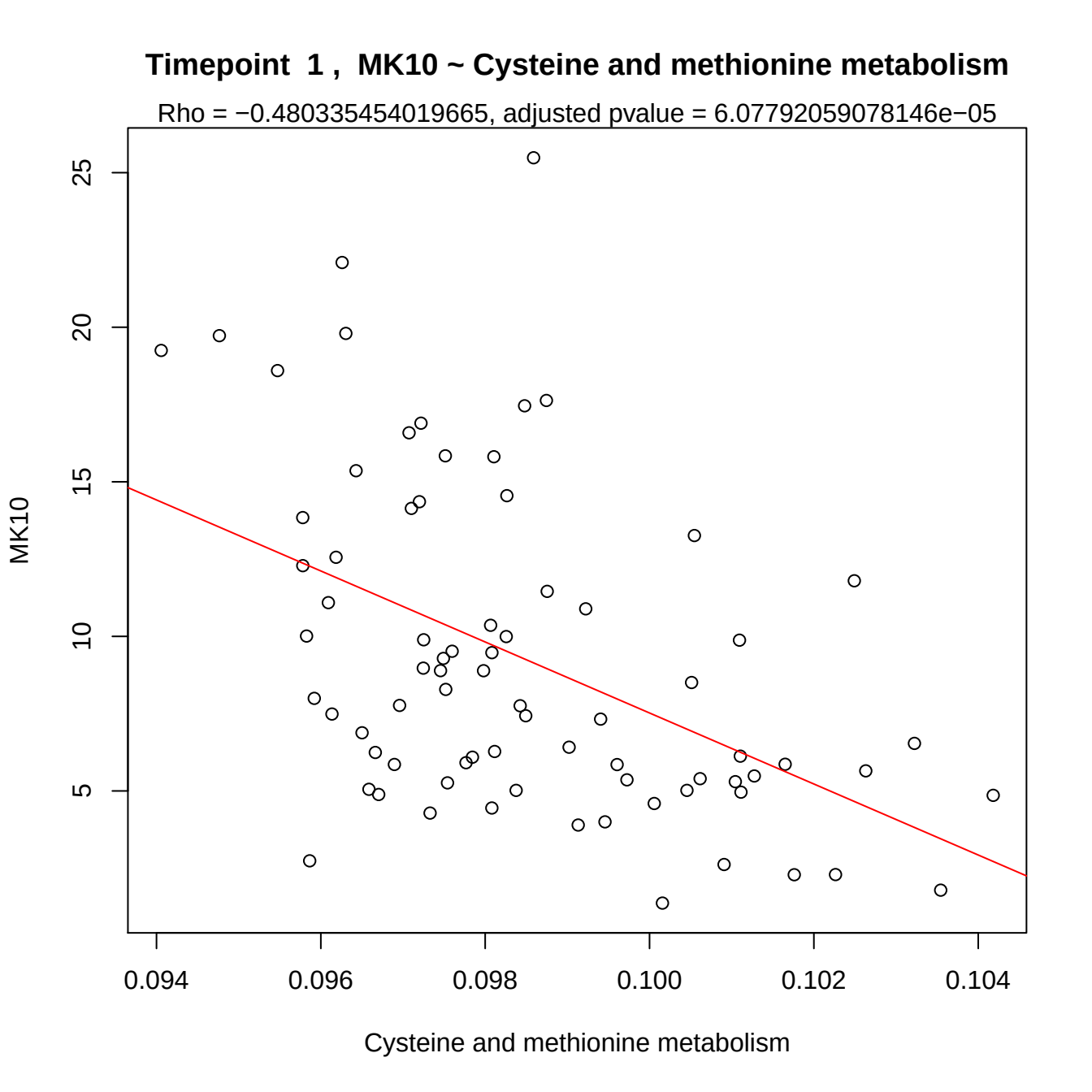

Timepoint 1 , MK10 ~ Ascorbate and aldarate metabolism
Rho = 0.348441032651559, adjusted pvalue = 0.0039400037704088
MK10
5
10
15
20
25
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

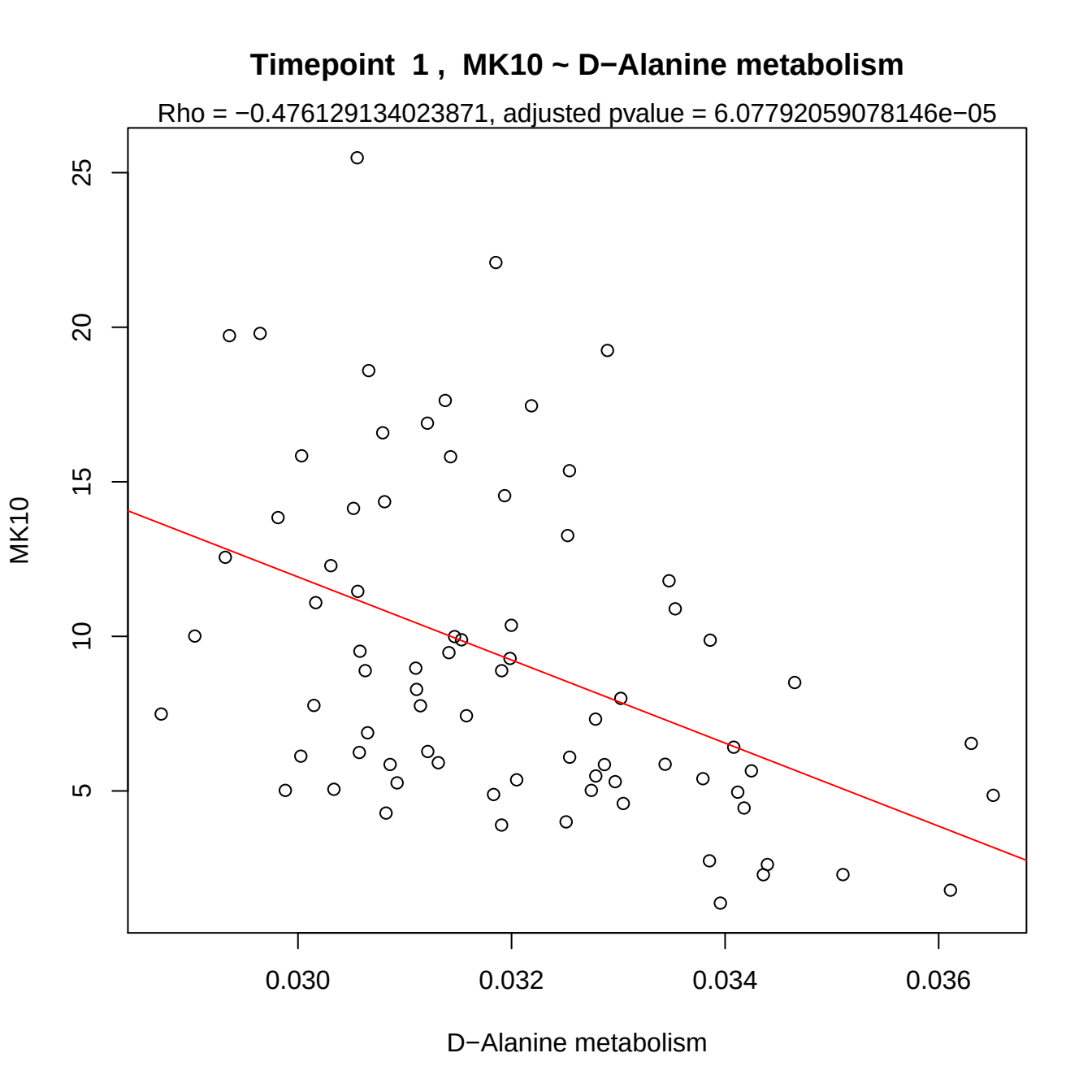

Timepoint 1 , MK10 ~ Butanoate metabolism
Rho = 0.21354960828645, adjusted pvalue = 0.0893235408929573
MK10
5
10
15
20
25
0.070
0.075
0.080
Butanoate metabolism

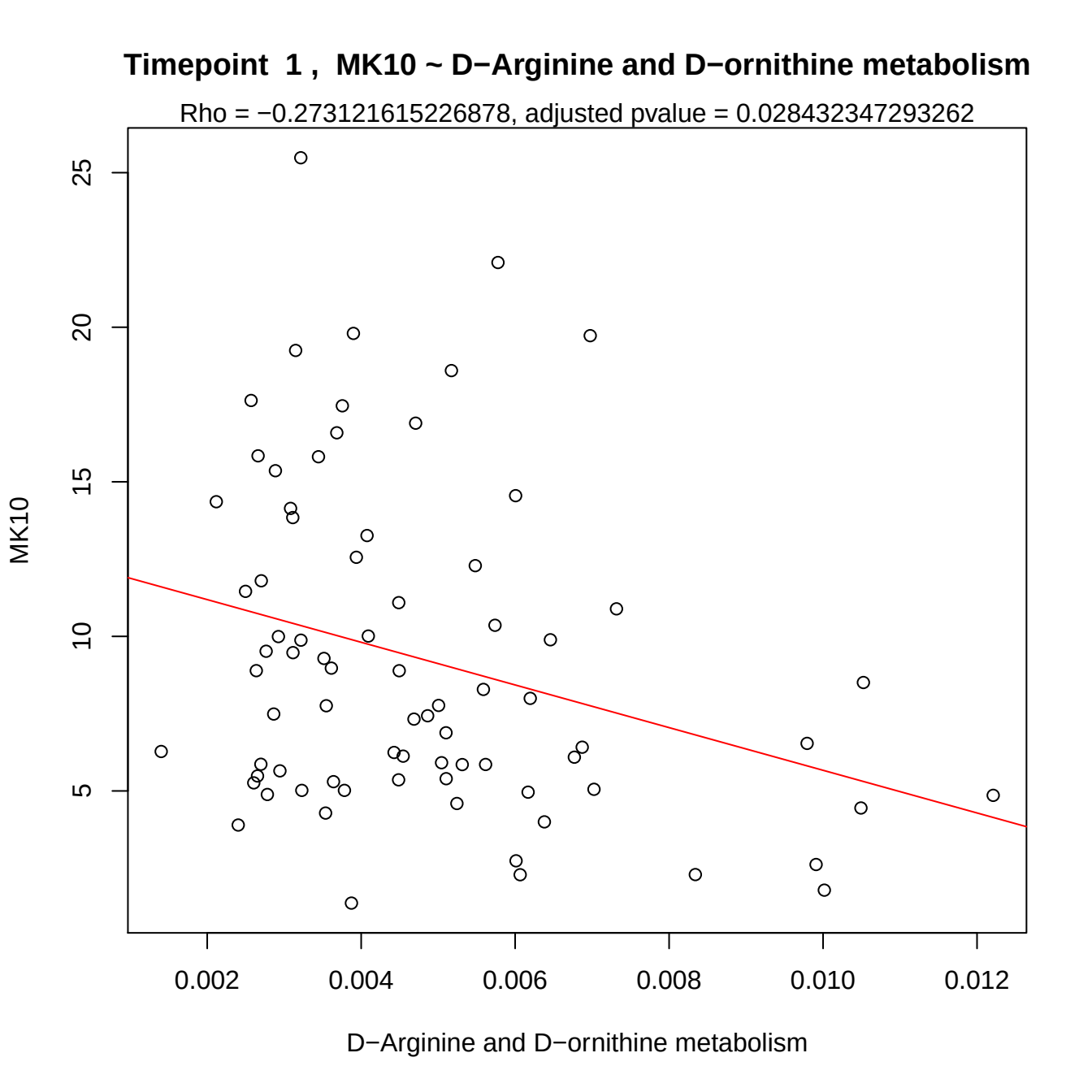

Timepoint 1 , MK10 ~ Valine, leucine and isoleucine biosynthesis
Rho = 0.263473368736527, adjusted pvalue = 0.034958722149541
MK10
5
10
15
20
25
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

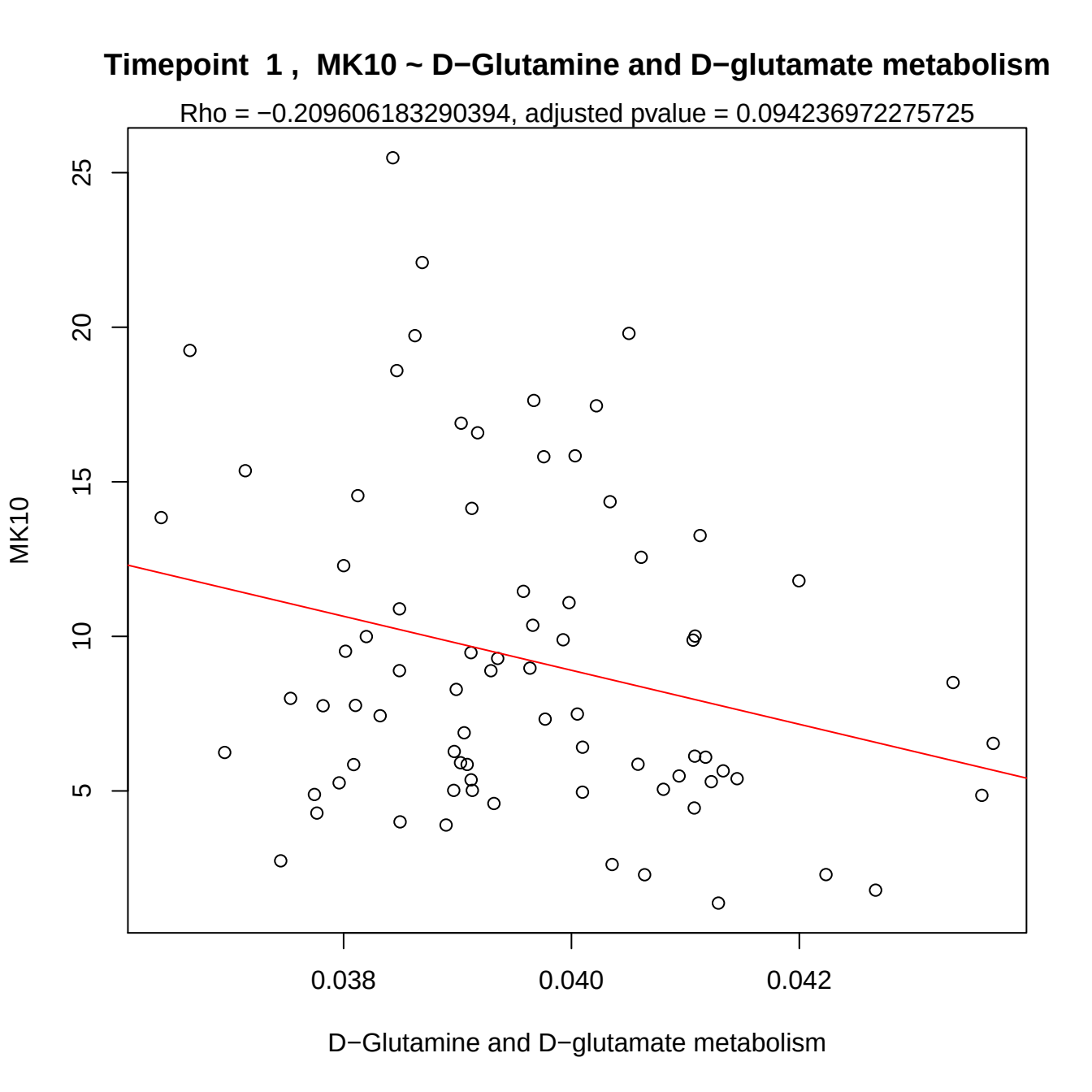

Timepoint 1 , MK10 ~ Steroid biosynthesis
Rho = 0.406307498161783, adjusted pvalue = 0.000696959975822765
MK10
5
10
15
20
25
0.000
0.002
0.004
0.006
0.008
Steroid biosynthesis

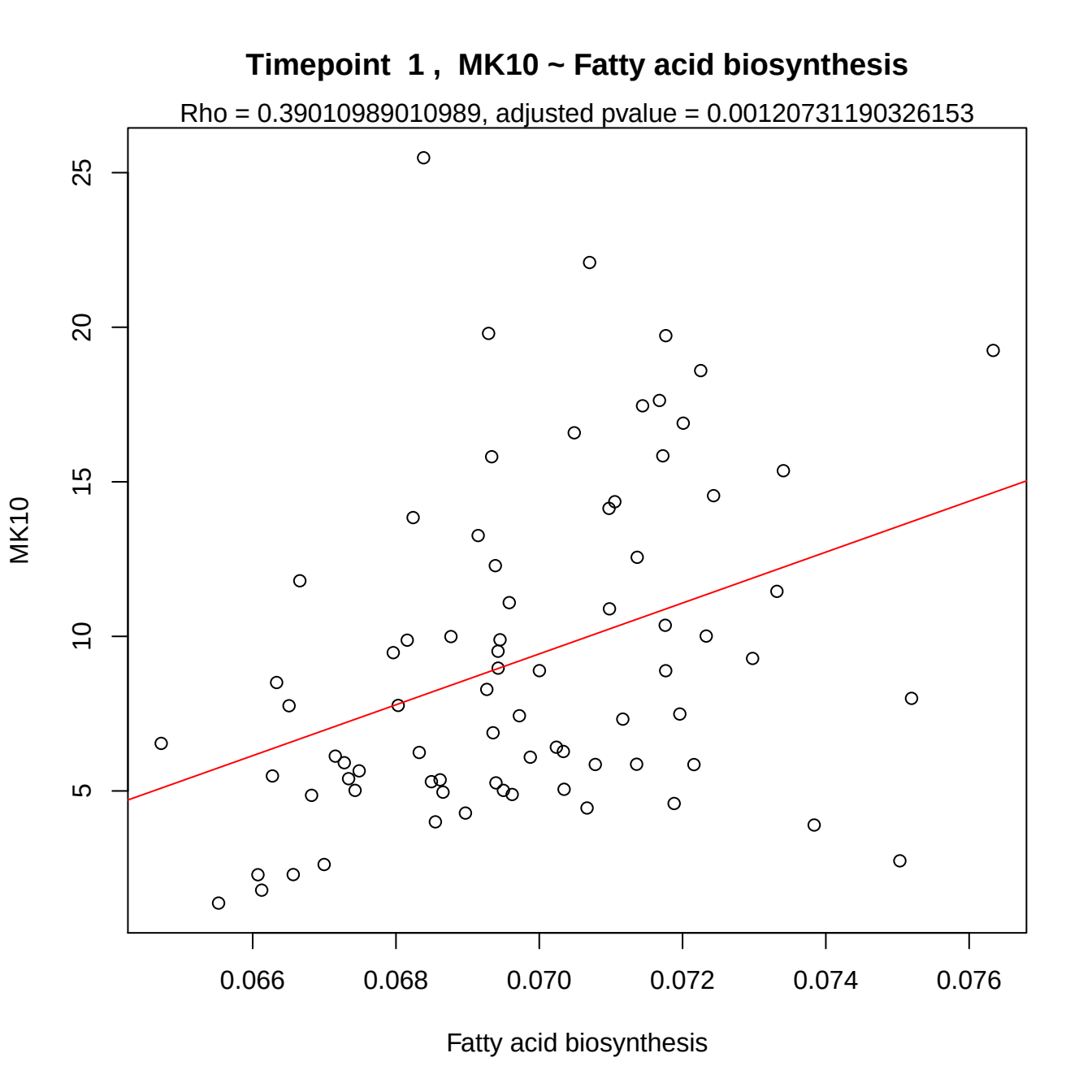

Timepoint 1 , MK10 ~ Cyanoamino acid metabolism
Rho = 0.372127872127872, adjusted pvalue = 0.0020952733684348
MK10
5
10
15
20
25
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

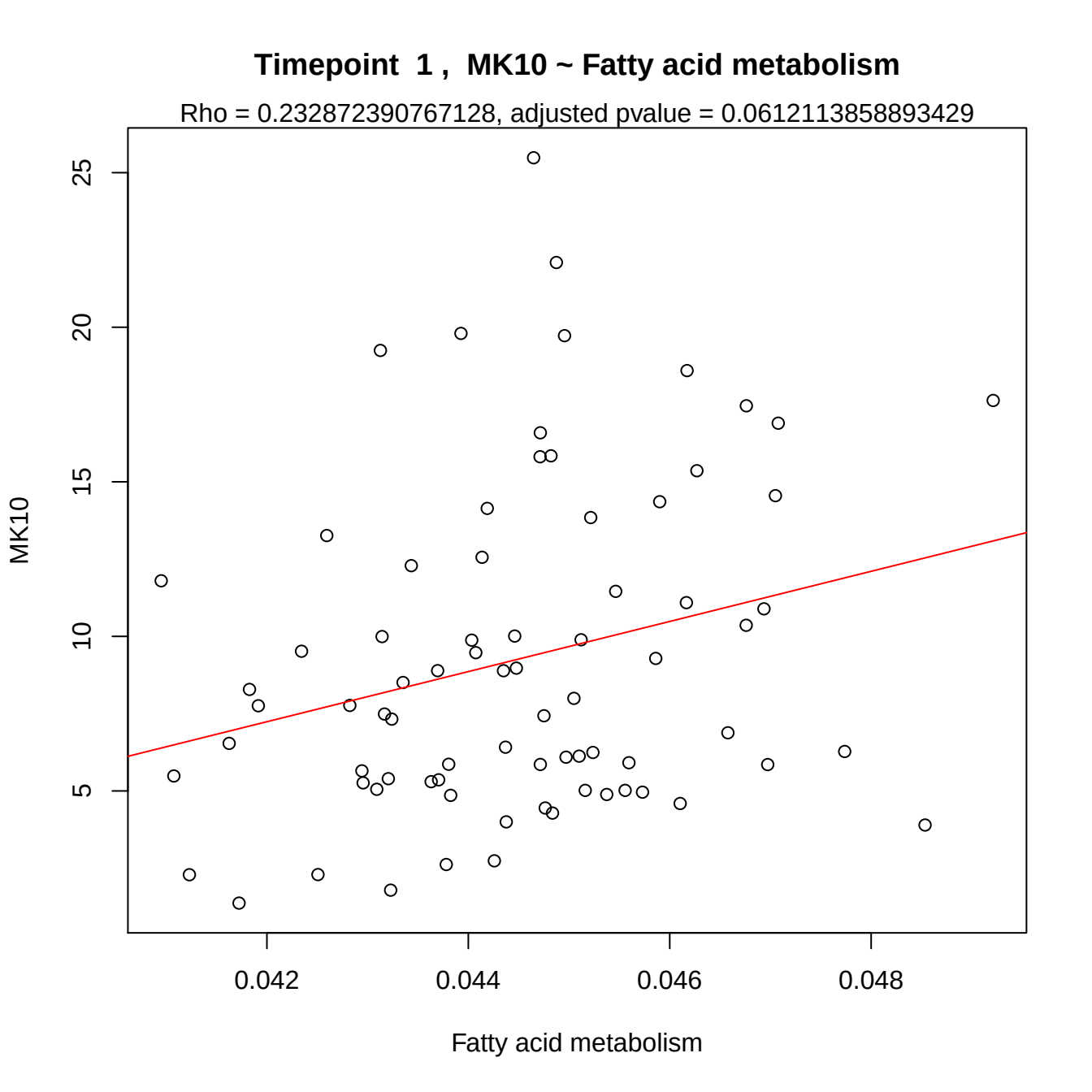

Timepoint 1 , MK10 ~ Cysteine and methionine metabolism
Rho = −0.480335454019665, adjusted pvalue = 6.07792059078146e−05
MK10
5
10
15
20
25
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

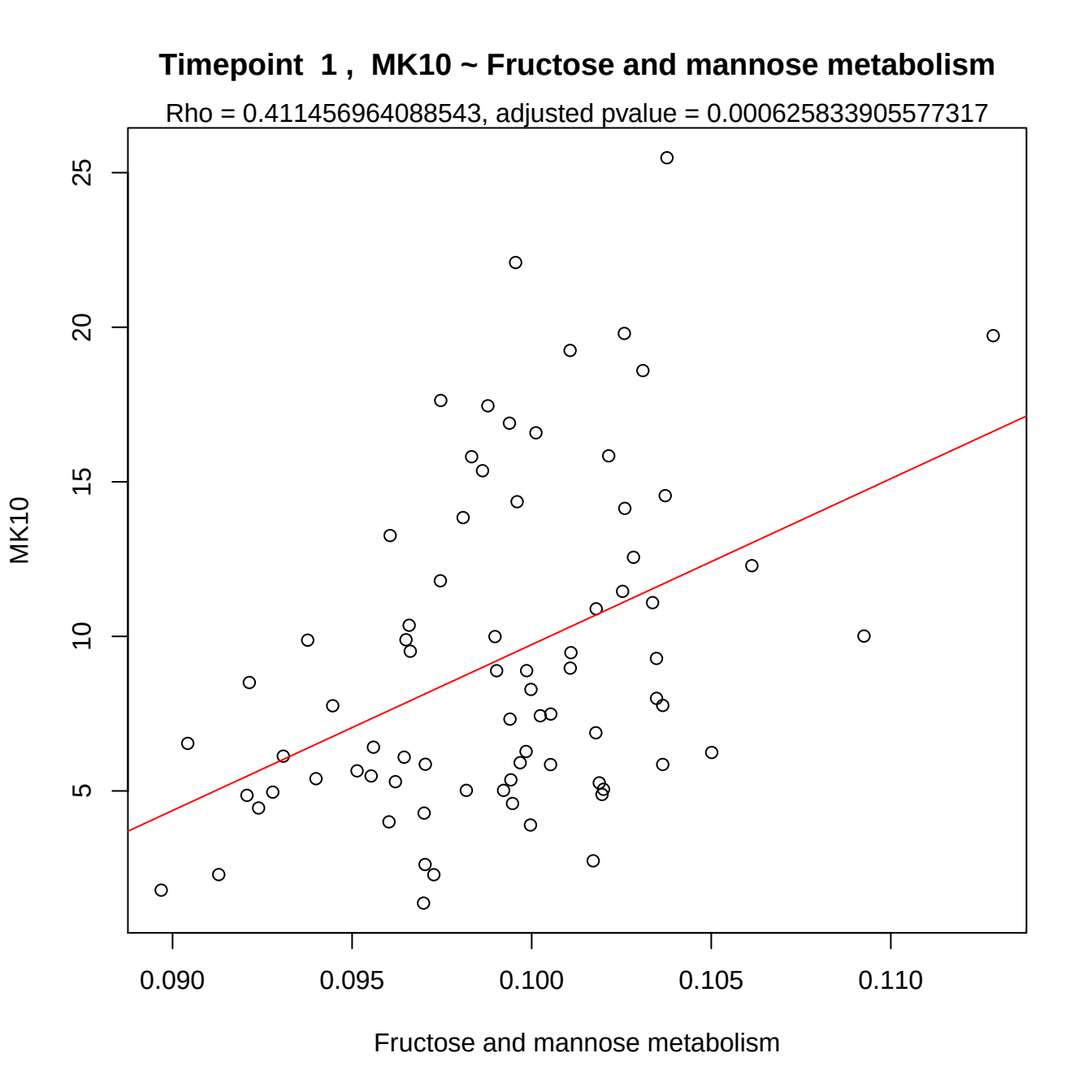

Timepoint 1 , MK10 ~ D−Alanine metabolism
Rho = −0.476129134023871, adjusted pvalue = 6.07792059078146e−05
MK10
5
10
15
20
25
0.030
0.032
0.034
0.036
D−Alanine metabolism

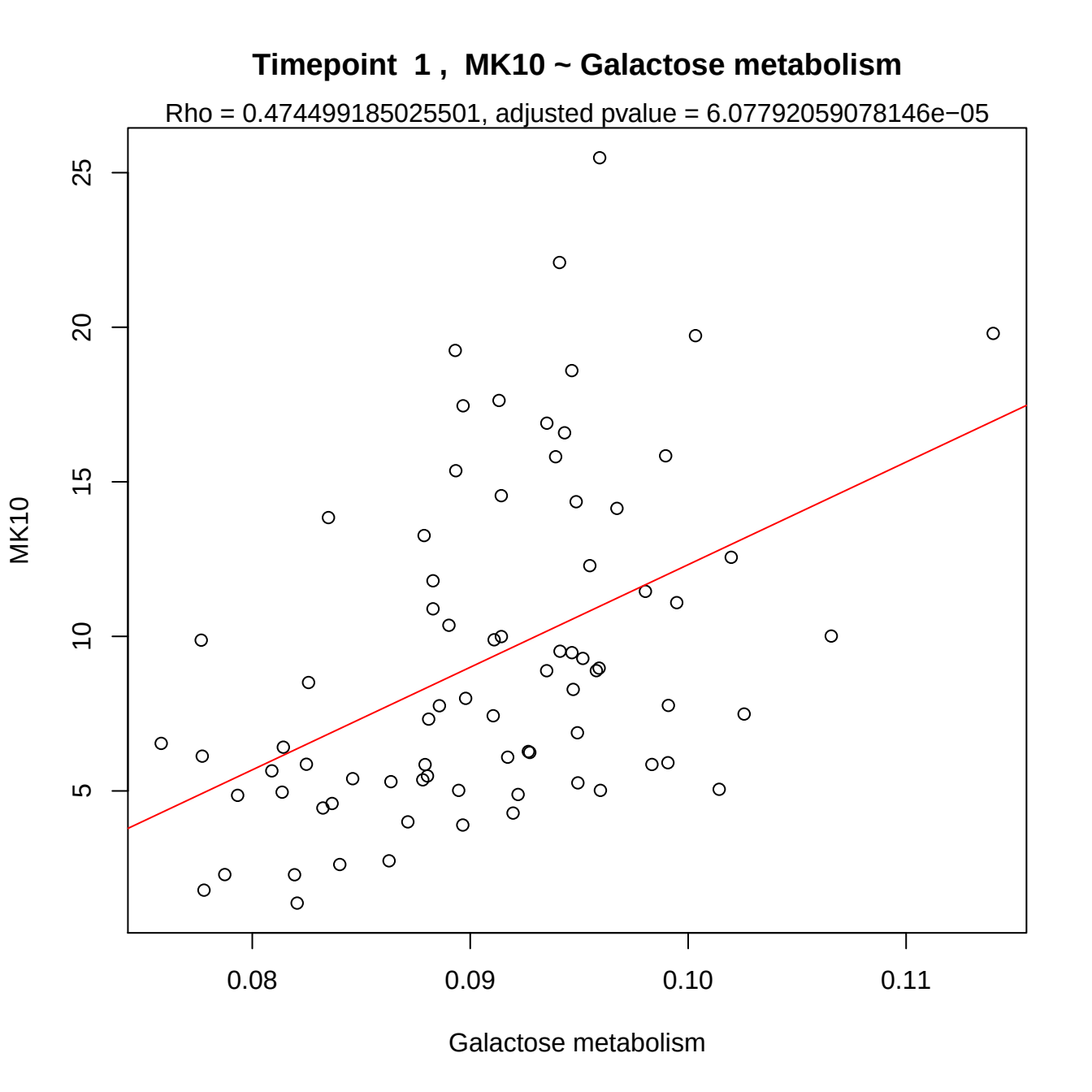

Timepoint 1 , MK10 ~ D−Arginine and D−ornithine metabolism
Rho = −0.273121615226878, adjusted pvalue = 0.028432347293262
MK10
5
10
15
20
25
0.002
0.004
0.006
0.008
0.010
0.012
D−Arginine and D−ornithine metabolism

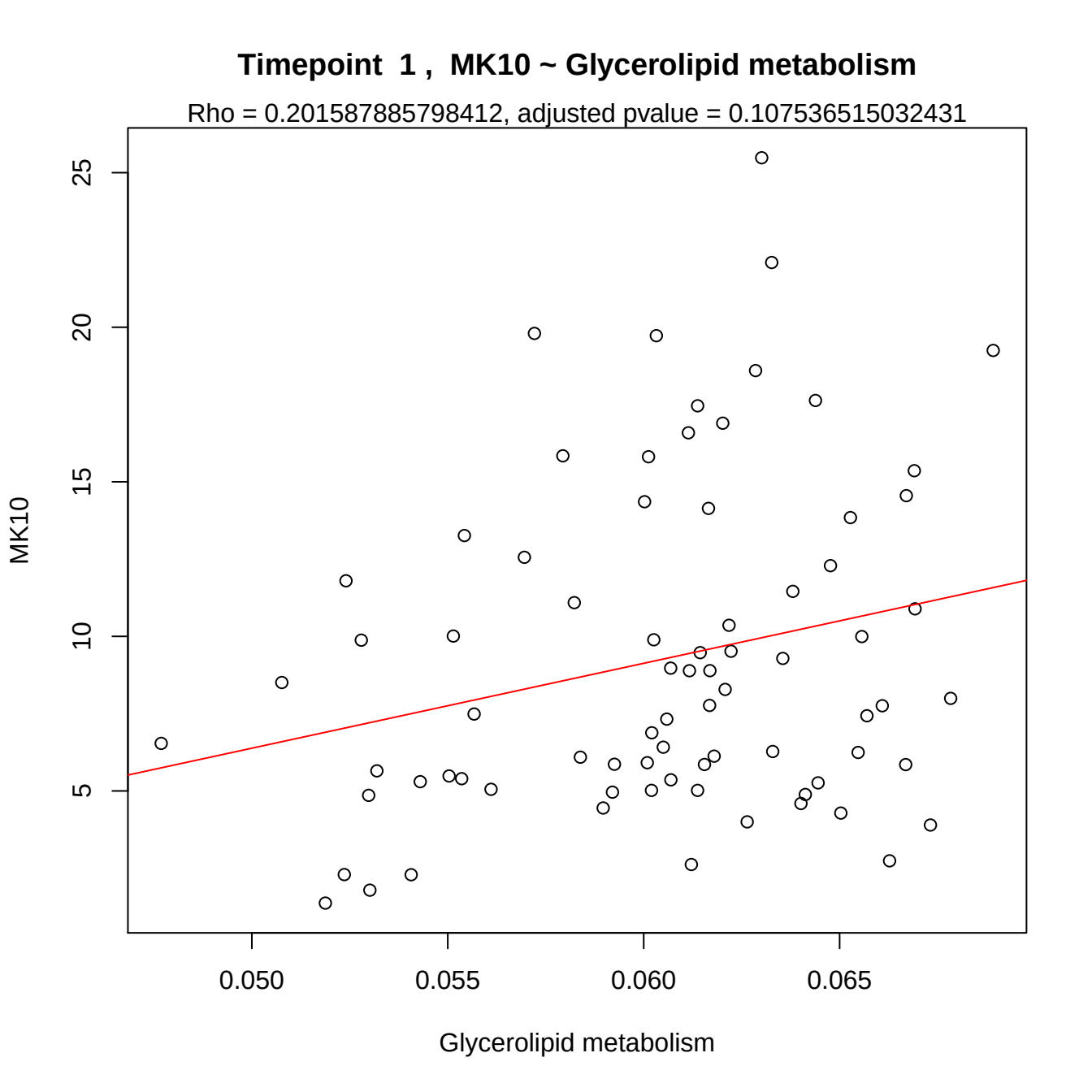

Timepoint 1 , MK10 ~ D−Glutamine and D−glutamate metabolism
Rho = −0.209606183290394, adjusted pvalue = 0.094236972275725
MK10
5
10
15
20
25
0.038
0.040
0.042
D−Glutamine and D−glutamate metabolism

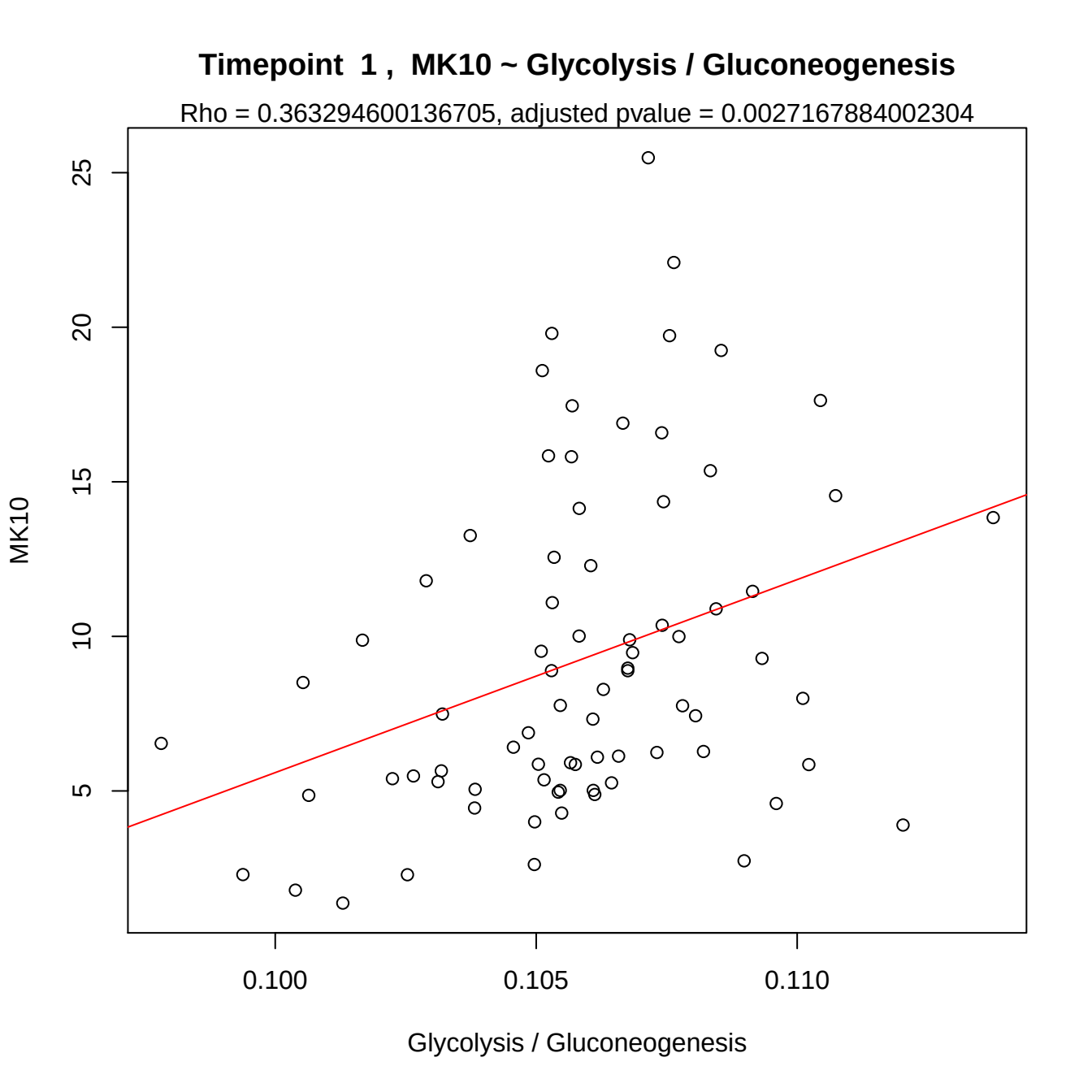

Timepoint 1 , MK10 ~ Fatty acid biosynthesis
Rho = 0.39010989010989, adjusted pvalue = 0.00120731190326153
MK10
5
10
15
20
25
0.066
0.068
0.070
0.072
0.074
0.076
Fatty acid biosynthesis

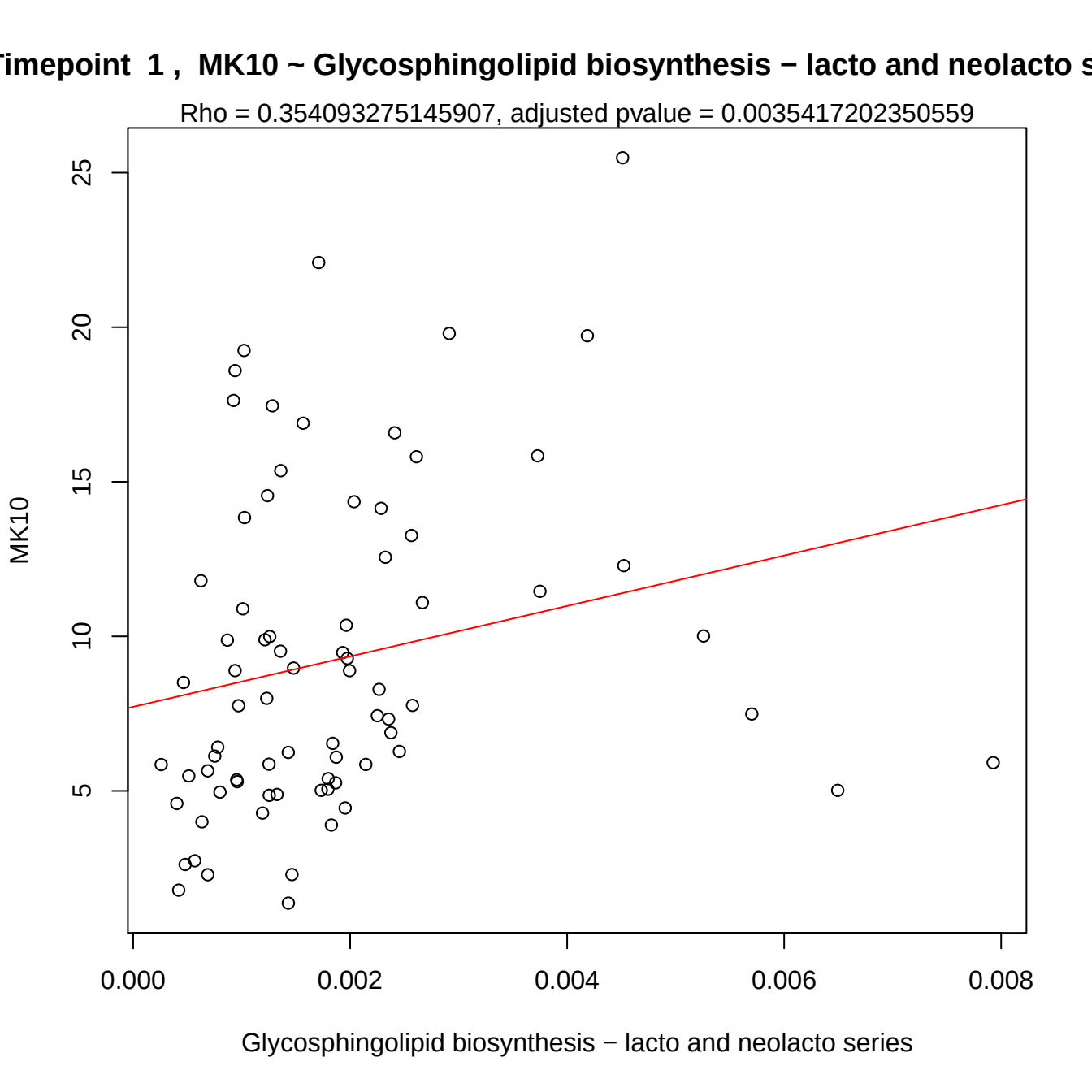

Timepoint 1 , MK10 ~ Fatty acid metabolism
Rho = 0.232872390767128, adjusted pvalue = 0.0612113858893429
MK10
5
10
15
20
25
0.042
0.044
0.046
0.048
Fatty acid metabolism

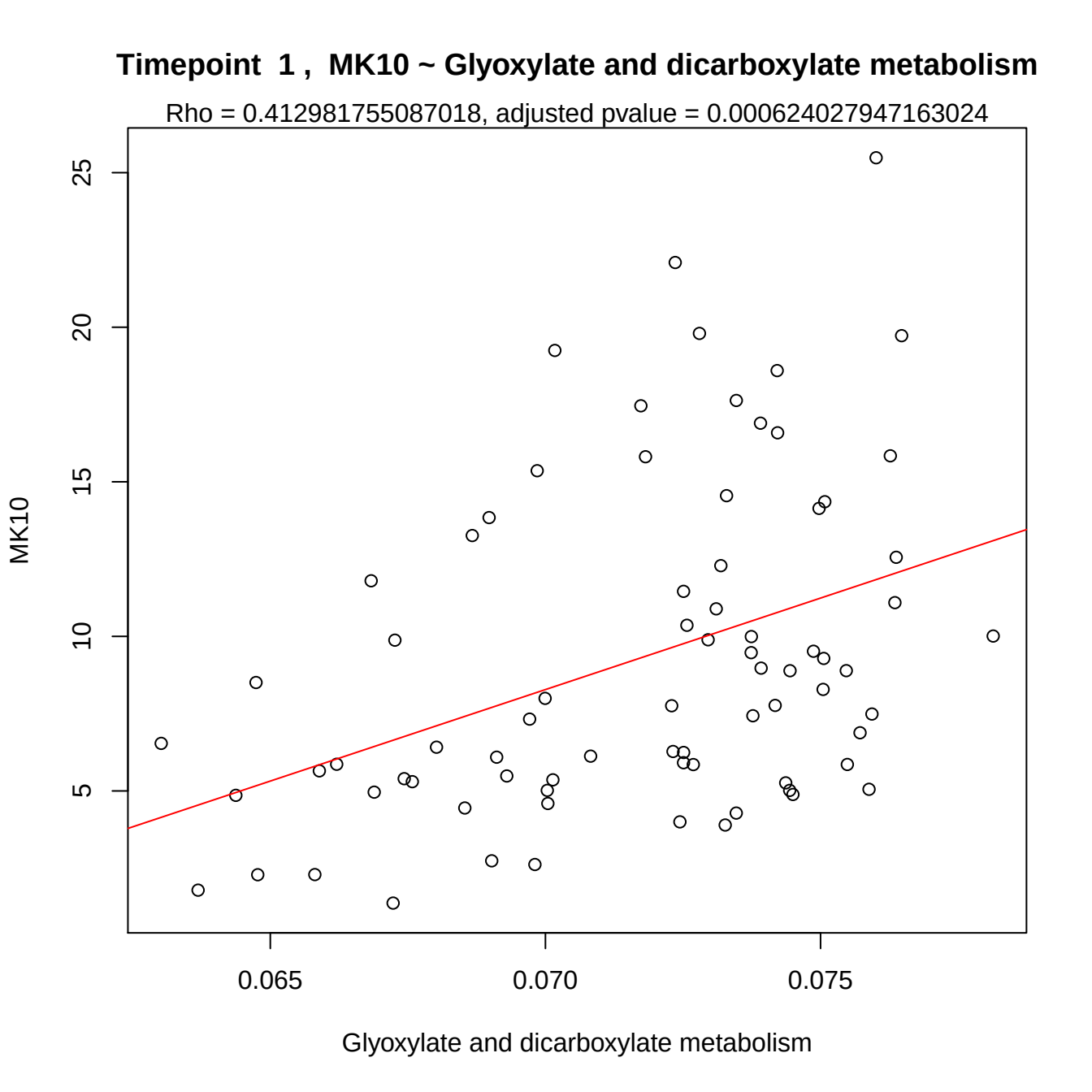

Timepoint 1 , MK10 ~ Fructose and mannose metabolism
Rho = 0.411456964088543, adjusted pvalue = 0.000625833905577317
MK10
5
10
15
20
25
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

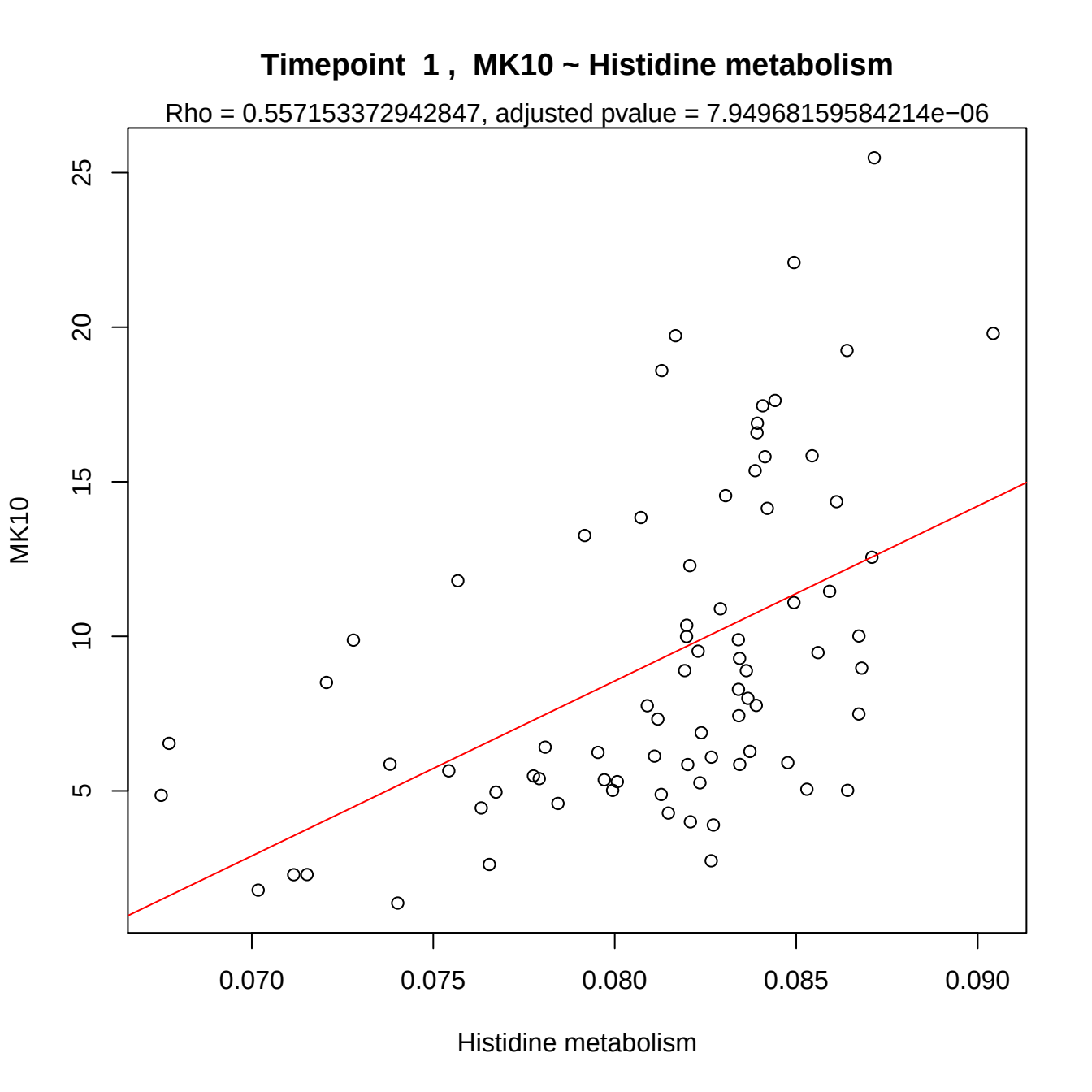

Timepoint 1 , MK10 ~ Galactose metabolism
Rho = 0.474499185025501, adjusted pvalue = 6.07792059078146e−05
MK10
5
10
15
20
25
0.08
0.09
0.10
0.11
Galactose metabolism

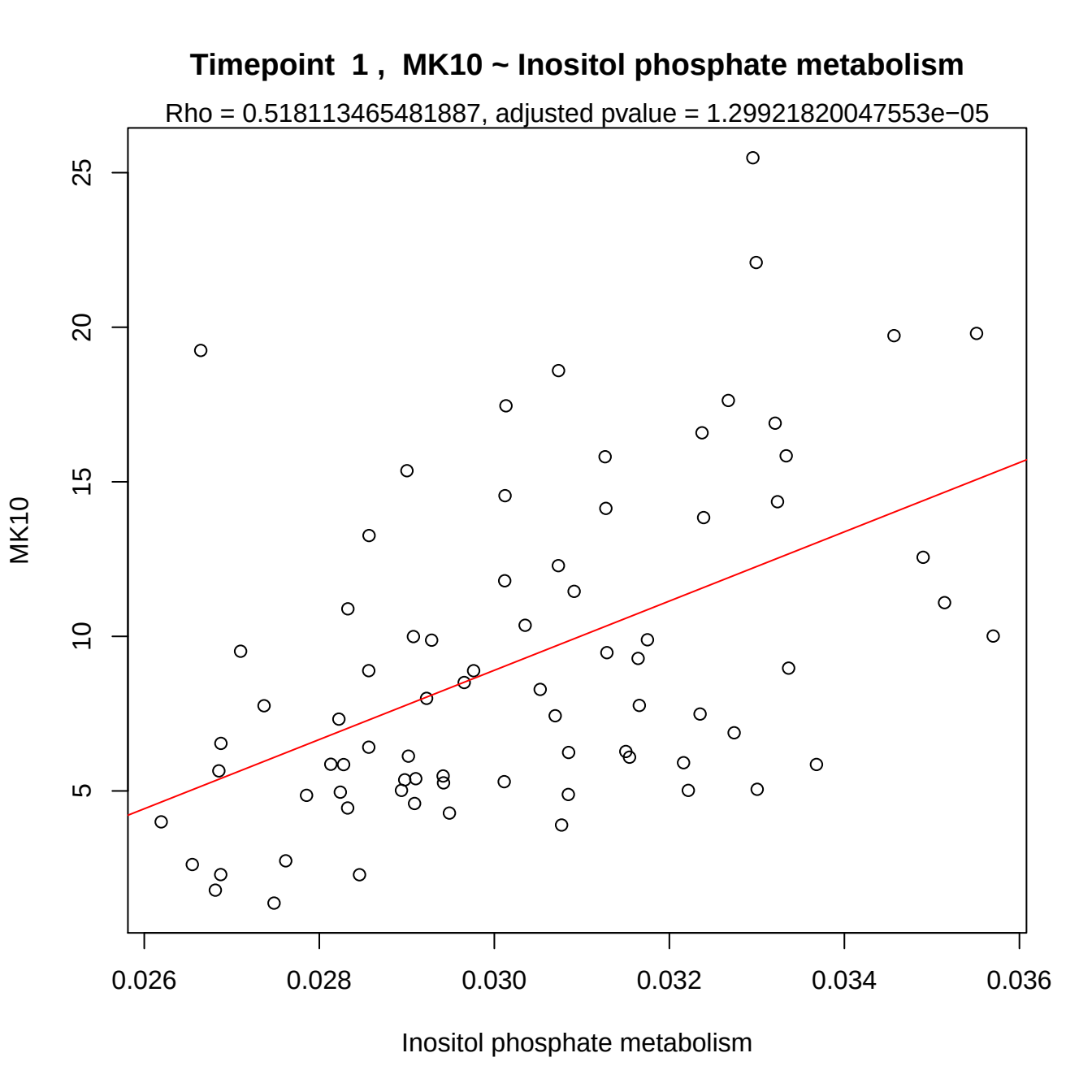

Timepoint 1 , MK10 ~ Glycerolipid metabolism
Rho = 0.201587885798412, adjusted pvalue = 0.107536515032431
MK10
5
10
15
20
25
0.050
0.055
0.060
0.065
Glycerolipid metabolism

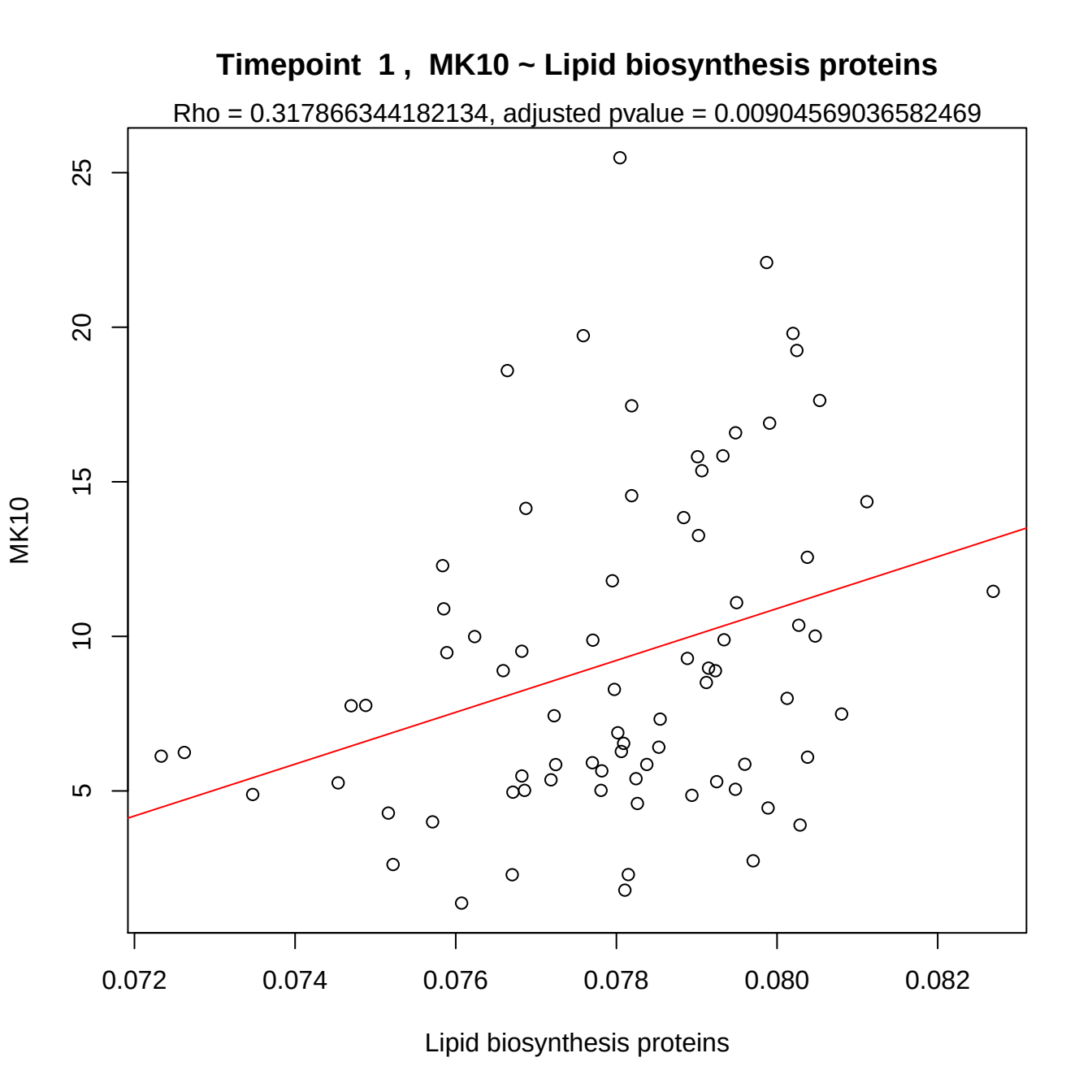

Timepoint 1 , MK10 ~ Glycolysis / Gluconeogenesis
Rho = 0.363294600136705, adjusted pvalue = 0.0027167884002304
MK10
5
10
15
20
25
0.100
0.105
0.110
Glycolysis / Gluconeogenesis

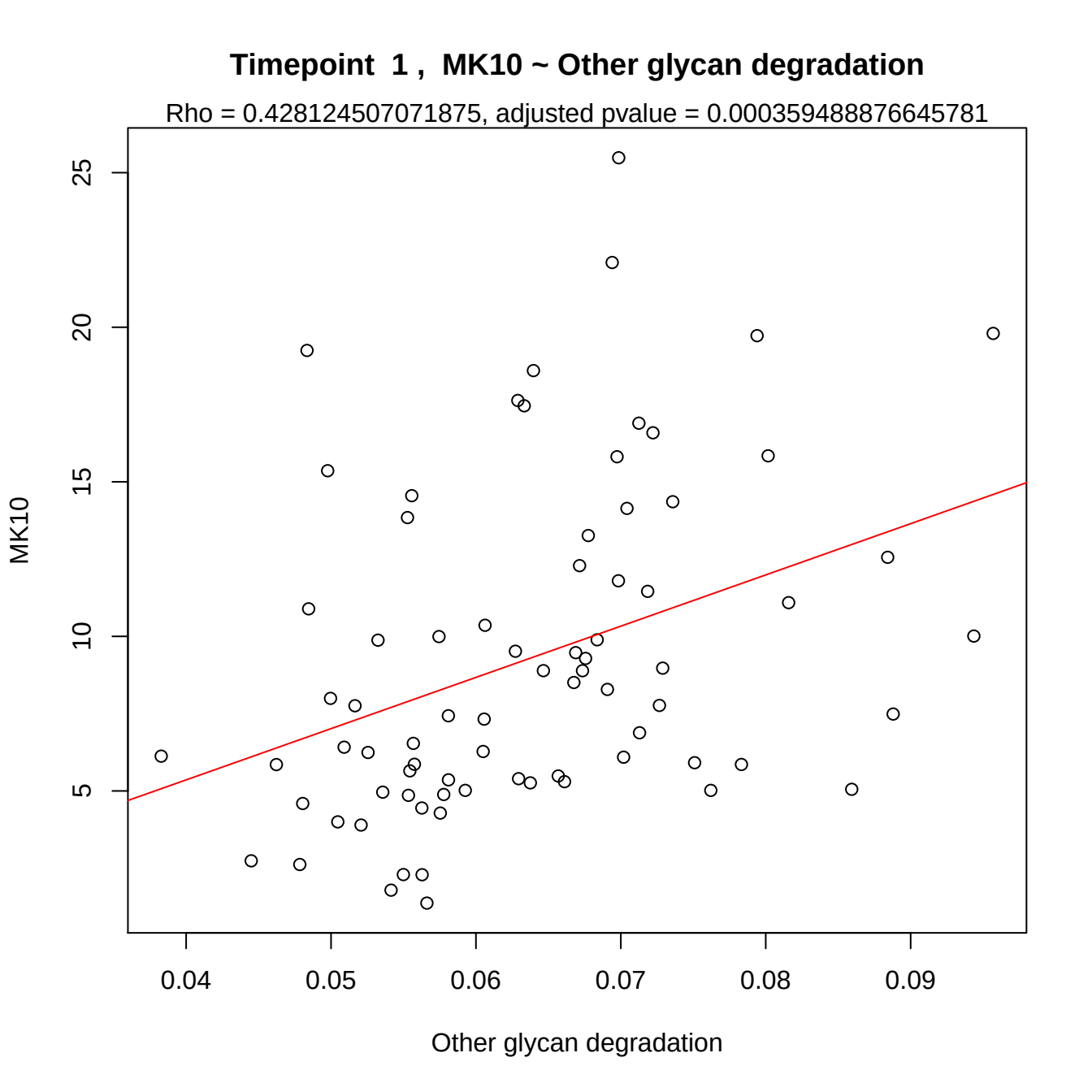

Timepoint 1 , MK10 ~ Glycosphingolipid biosynthesis − lacto and neolacto s
Rho = 0.354093275145907, adjusted pvalue = 0.0035417202350559
MK10
5
10
15
20
25
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

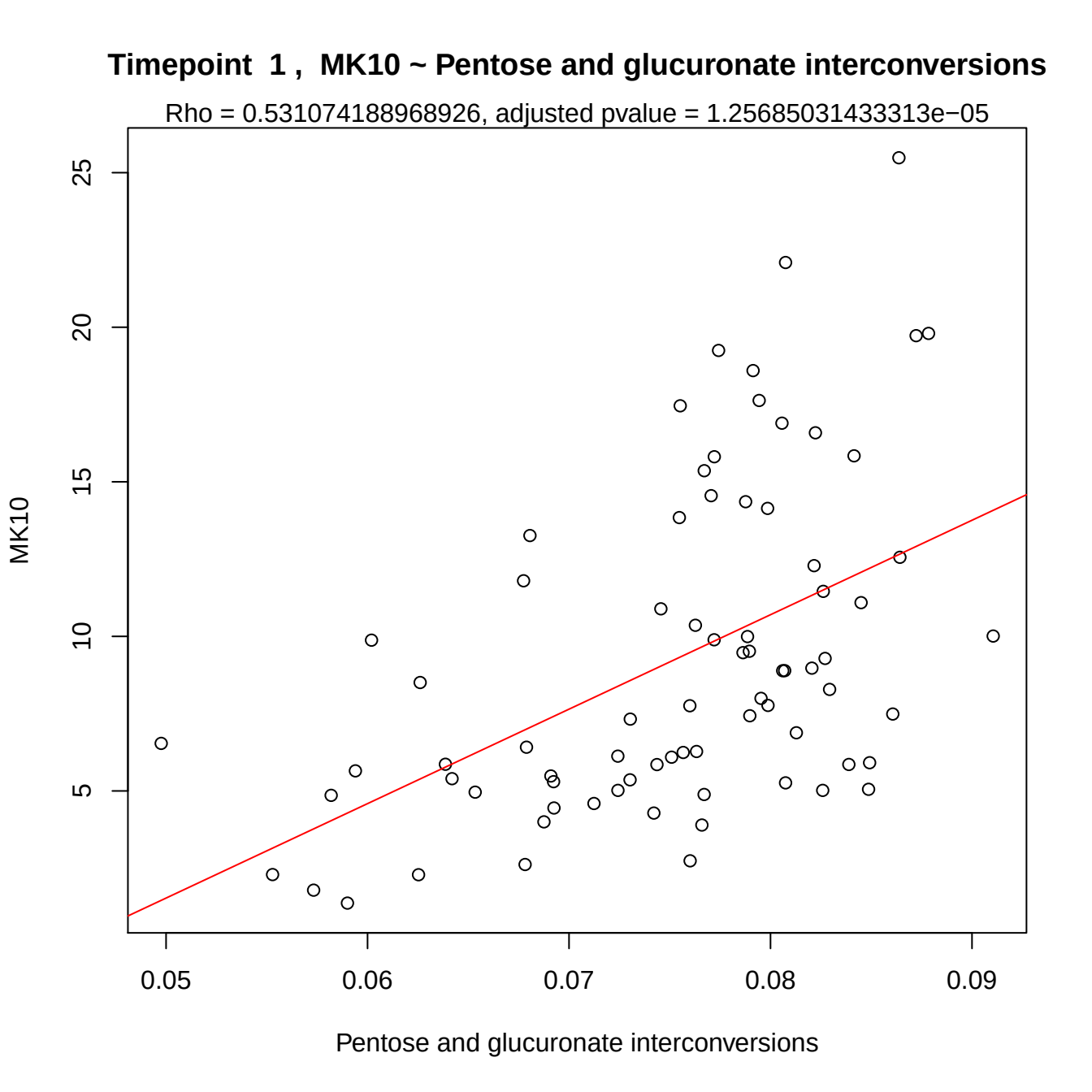

Timepoint 1 , MK10 ~ Glyoxylate and dicarboxylate metabolism
Rho = 0.412981755087018, adjusted pvalue = 0.000624027947163024
MK10
5
10
15
20
25
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

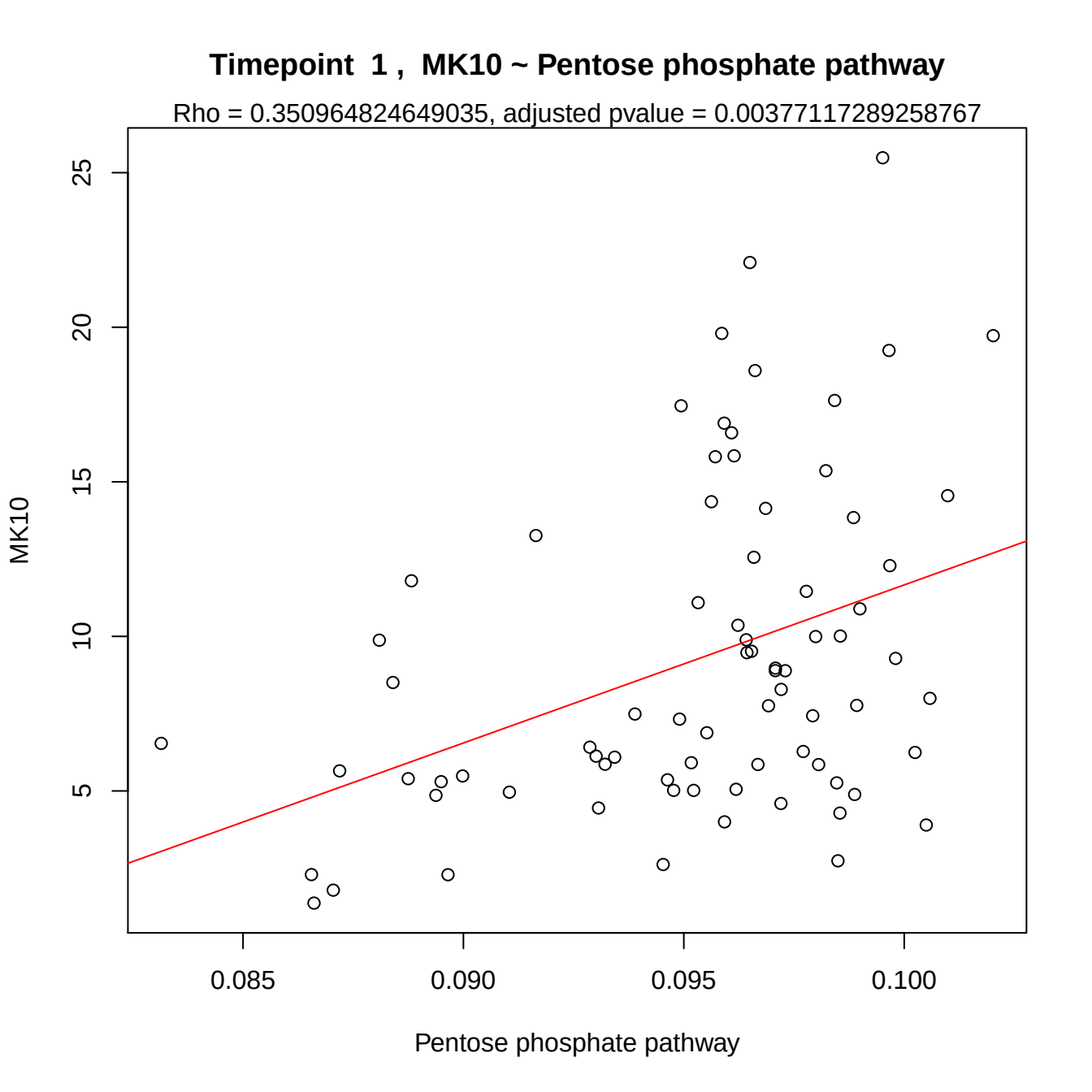

Timepoint 1 , MK10 ~ Histidine metabolism
Rho = 0.557153372942847, adjusted pvalue = 7.94968159584214e−06
MK10
5
10
15
20
25
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

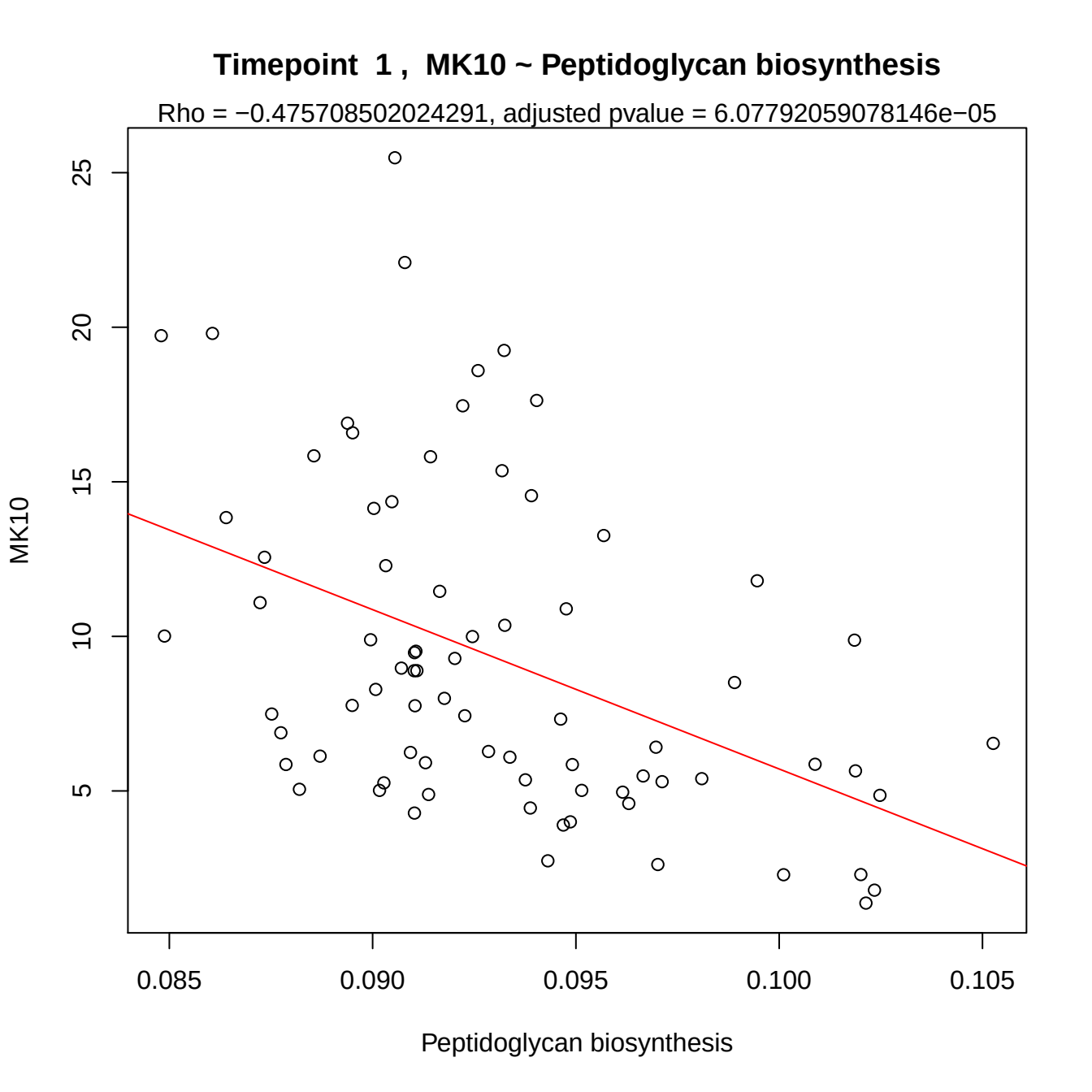

Timepoint 1 , MK10 ~ Inositol phosphate metabolism
Rho = 0.518113465481887, adjusted pvalue = 1.29921820047553e−05
MK10
5
10
15
20
25
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

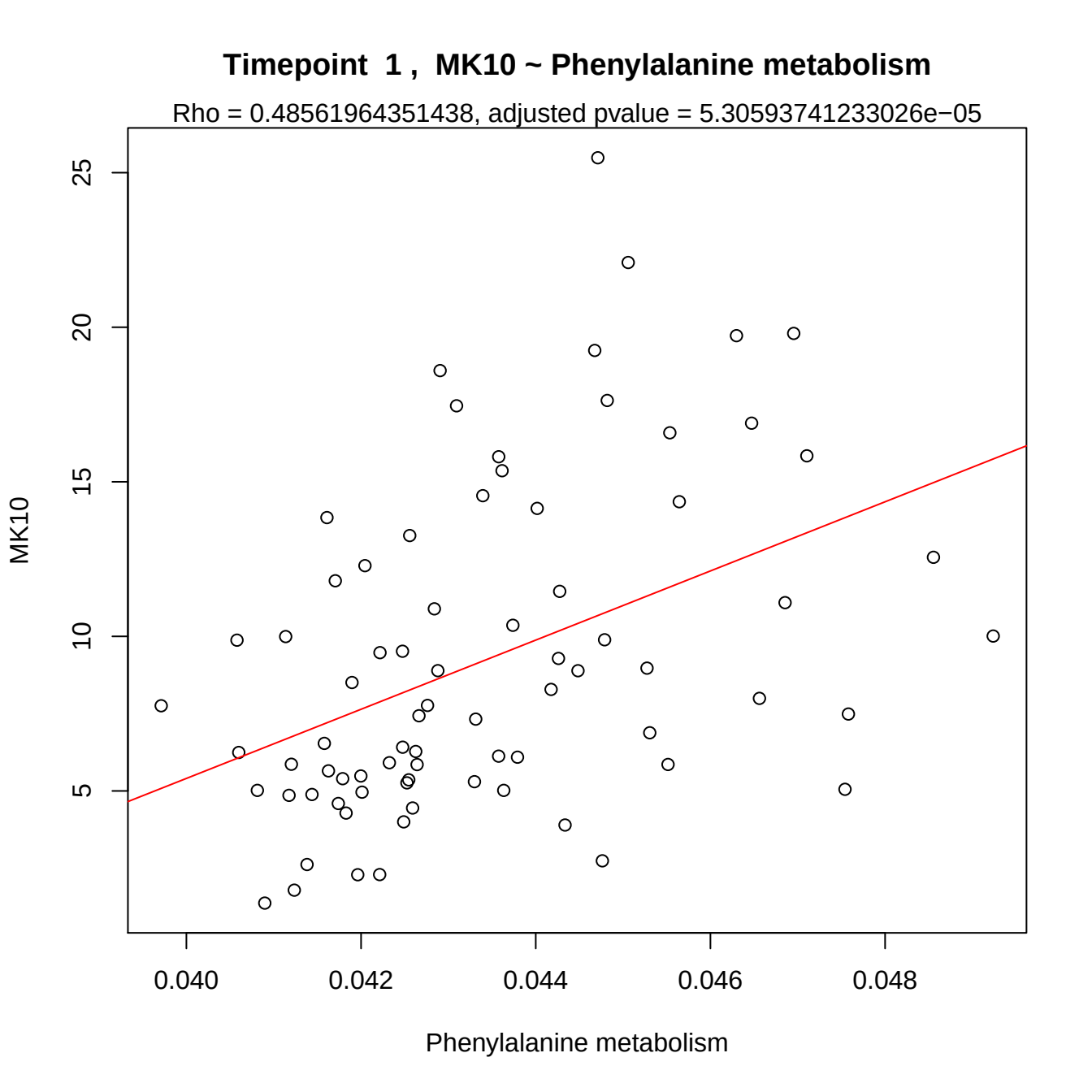

Timepoint 1 , MK10 ~ Lipid biosynthesis proteins
Rho = 0.317866344182134, adjusted pvalue = 0.00904569036582469
MK10
5
10
15
20
25
0.072
0.074
0.076
0.078
0.080
0.082
Lipid biosynthesis proteins

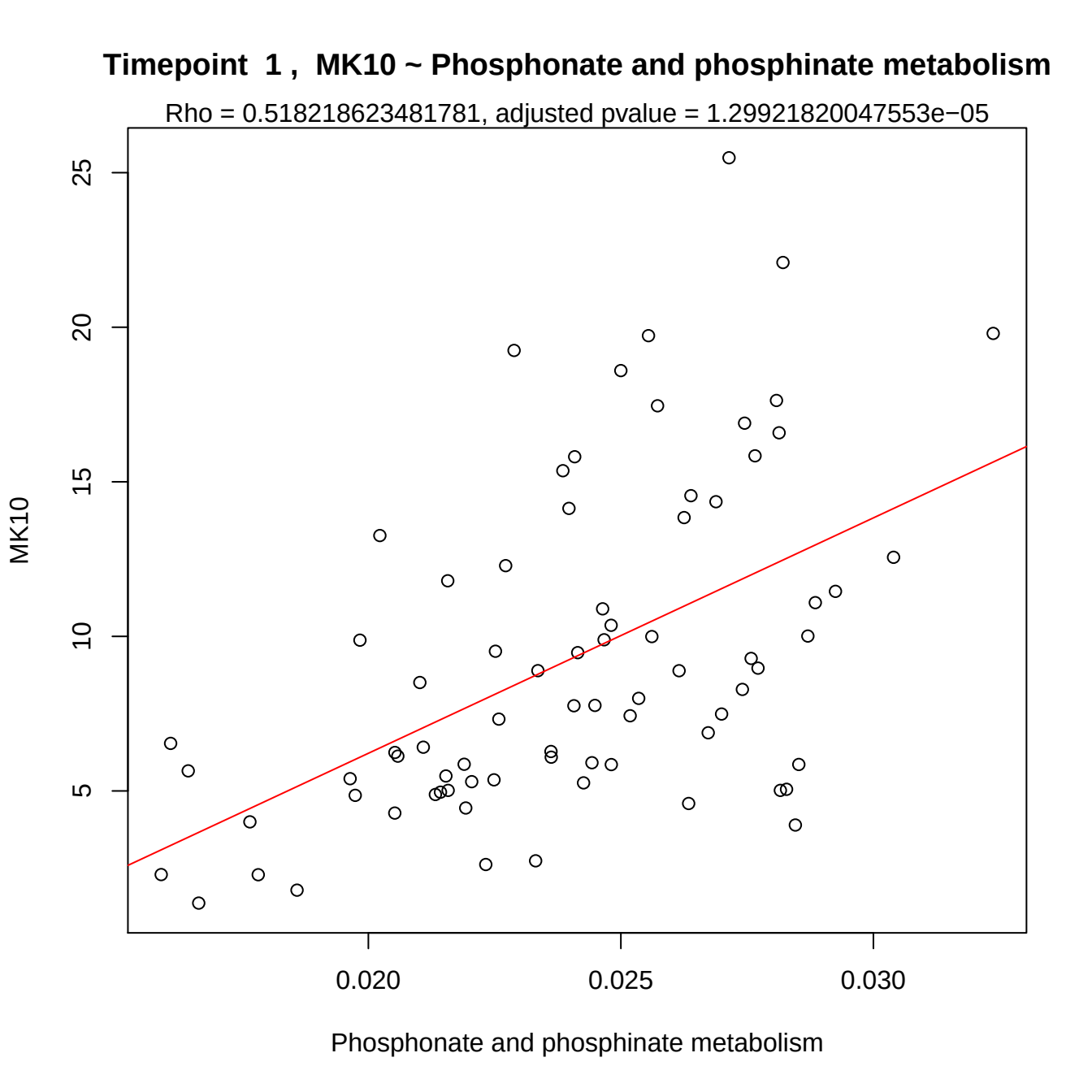

Timepoint 1 , MK10 ~ Other glycan degradation
Rho = 0.428124507071875, adjusted pvalue = 0.000359488876645781
MK10
5
10
15
20
25
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

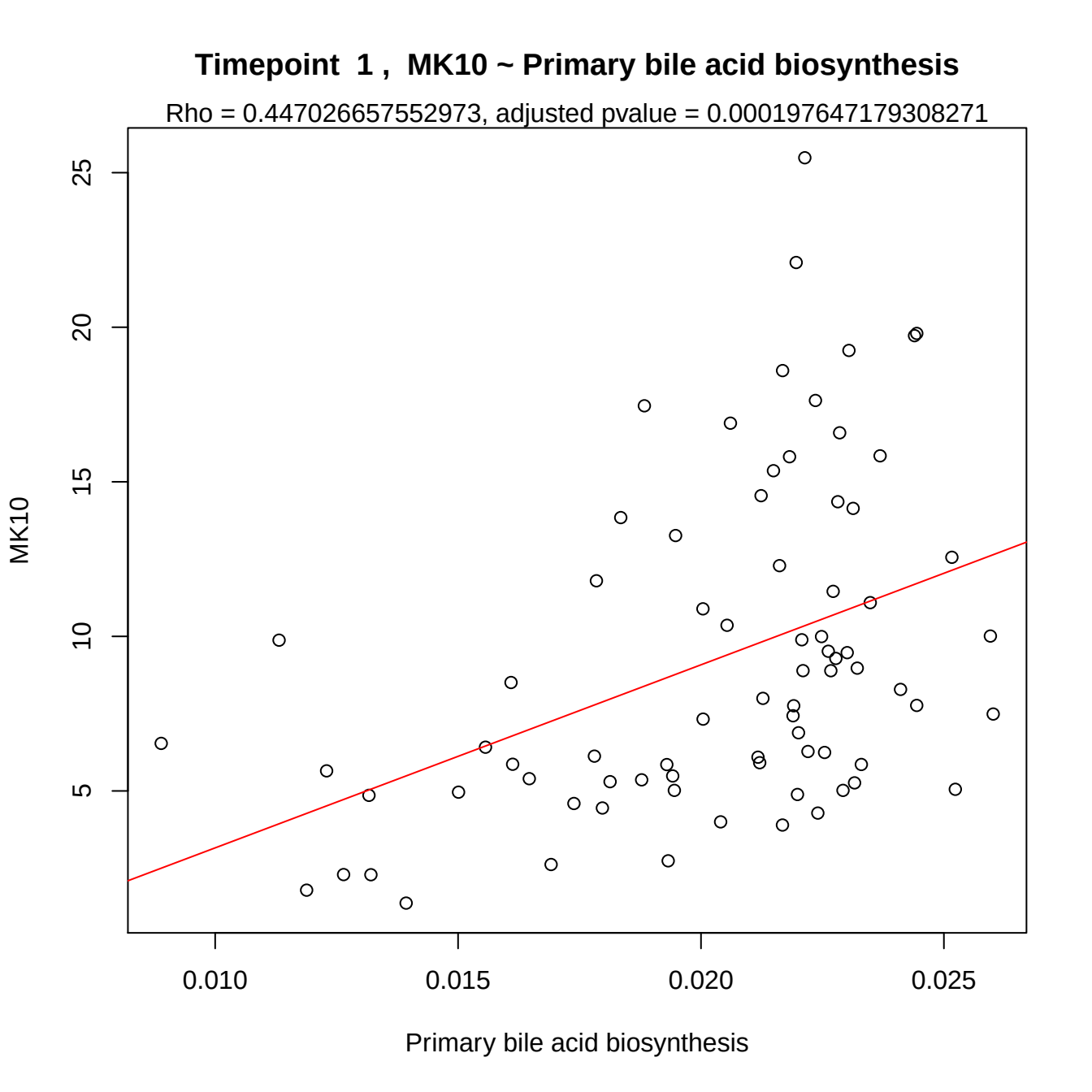

Timepoint 1 , MK10 ~ Pentose and glucuronate interconversions
Rho = 0.531074188968926, adjusted pvalue = 1.25685031433313e−05
MK10
5
10
15
20
25
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

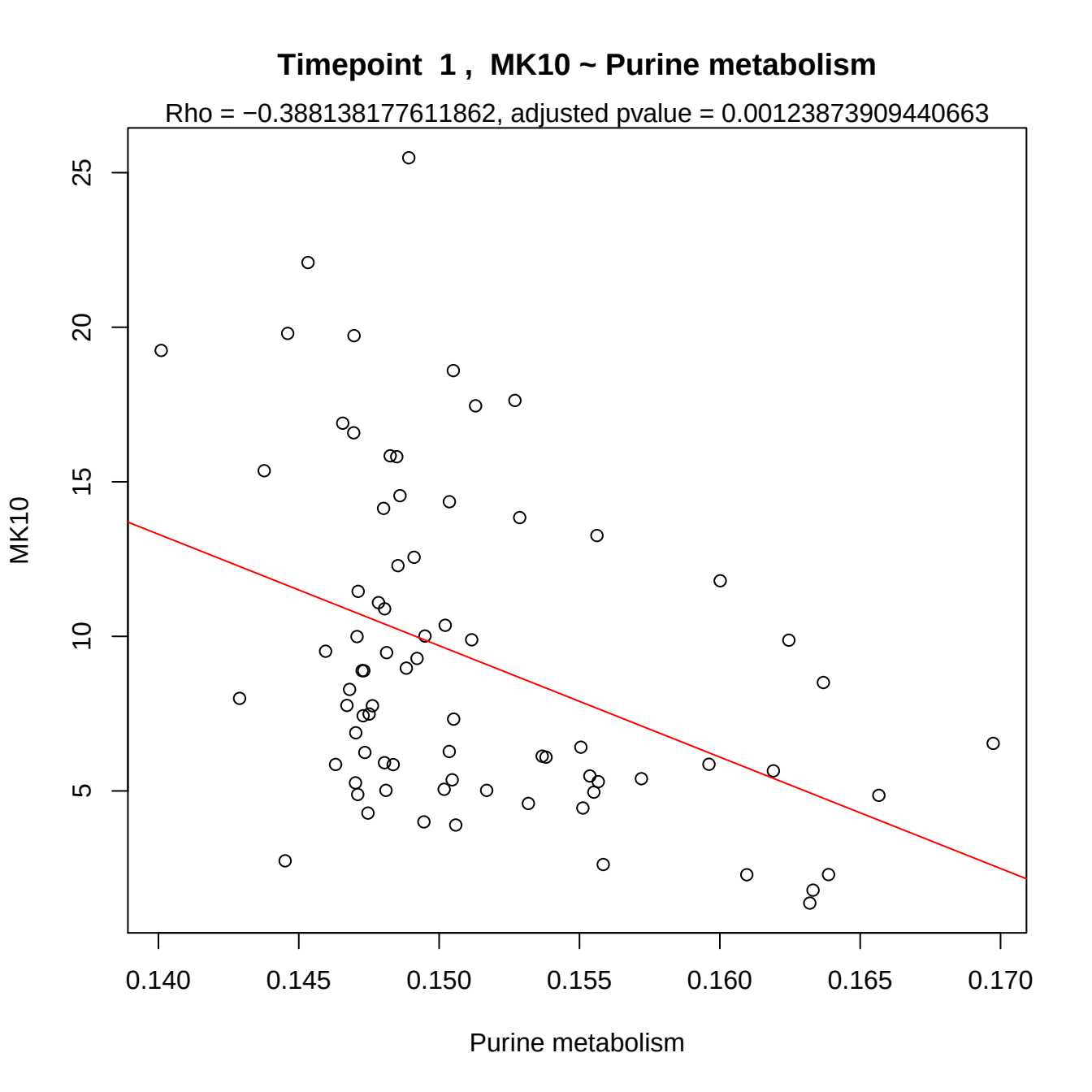

Timepoint 1 , MK10 ~ Pentose phosphate pathway
Rho = 0.350964824649035, adjusted pvalue = 0.00377117289258767
MK10
5
10
15
20
25
0.085
0.090
0.095
0.100
Pentose phosphate pathway

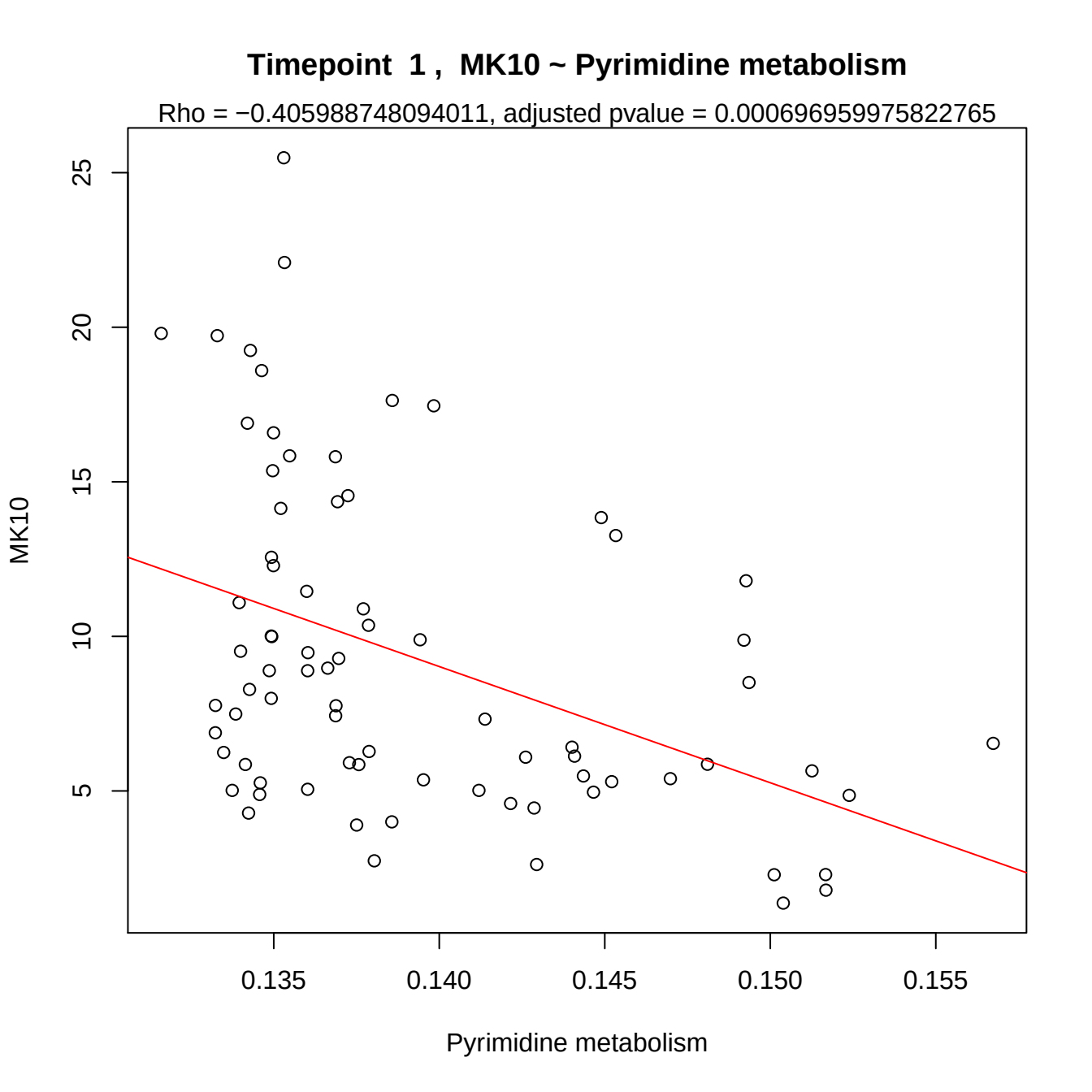

Timepoint 1 , MK10 ~ Peptidoglycan biosynthesis
Rho = −0.475708502024291, adjusted pvalue = 6.07792059078146e−05
MK10
5
10
15
20
25
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

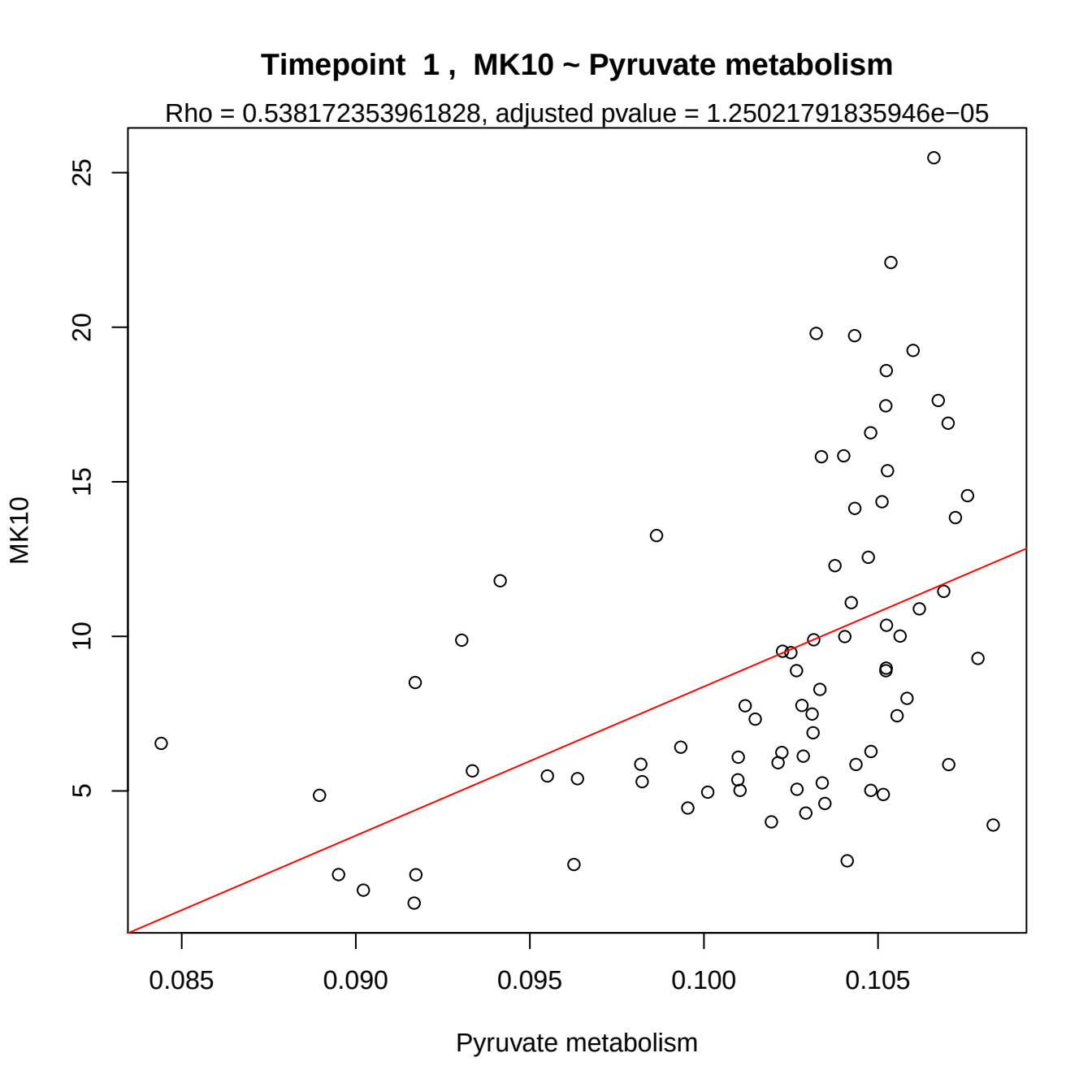

Timepoint 1 , MK10 ~ Phenylalanine metabolism
Rho = 0.48561964351438, adjusted pvalue = 5.30593741233026e−05
MK10
5
10
15
20
25
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

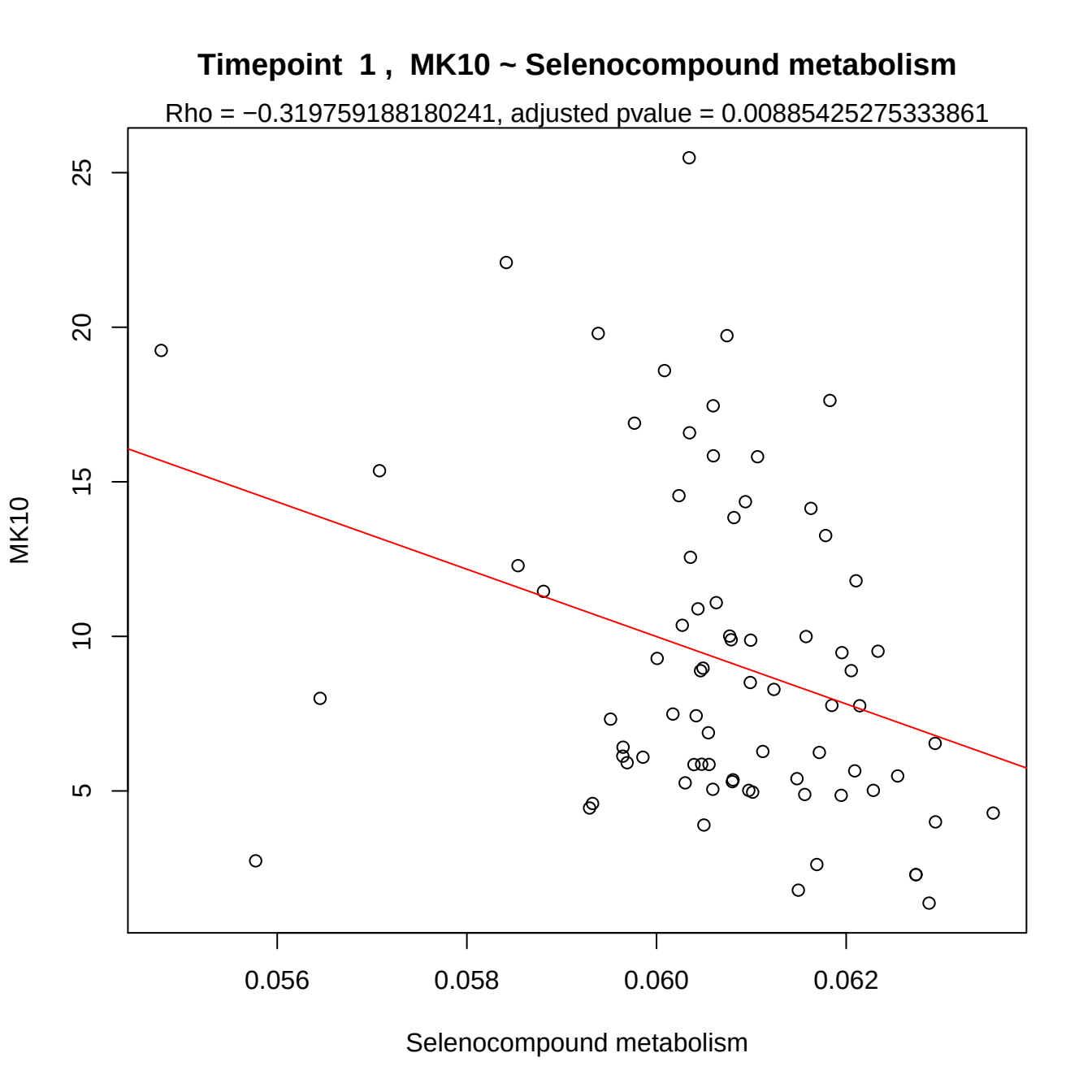

Timepoint 1 , MK10 ~ Phosphonate and phosphinate metabolism
Rho = 0.518218623481781, adjusted pvalue = 1.29921820047553e−05
MK10
5
10
15
20
25
0.020
0.025
0.030
Phosphonate and phosphinate metabolism


Timepoint 1 , MK10 ~ Primary bile acid biosynthesis
Rho = 0.447026657552973, adjusted pvalue = 0.000197647179308271
MK10
5
10
15
20
25
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

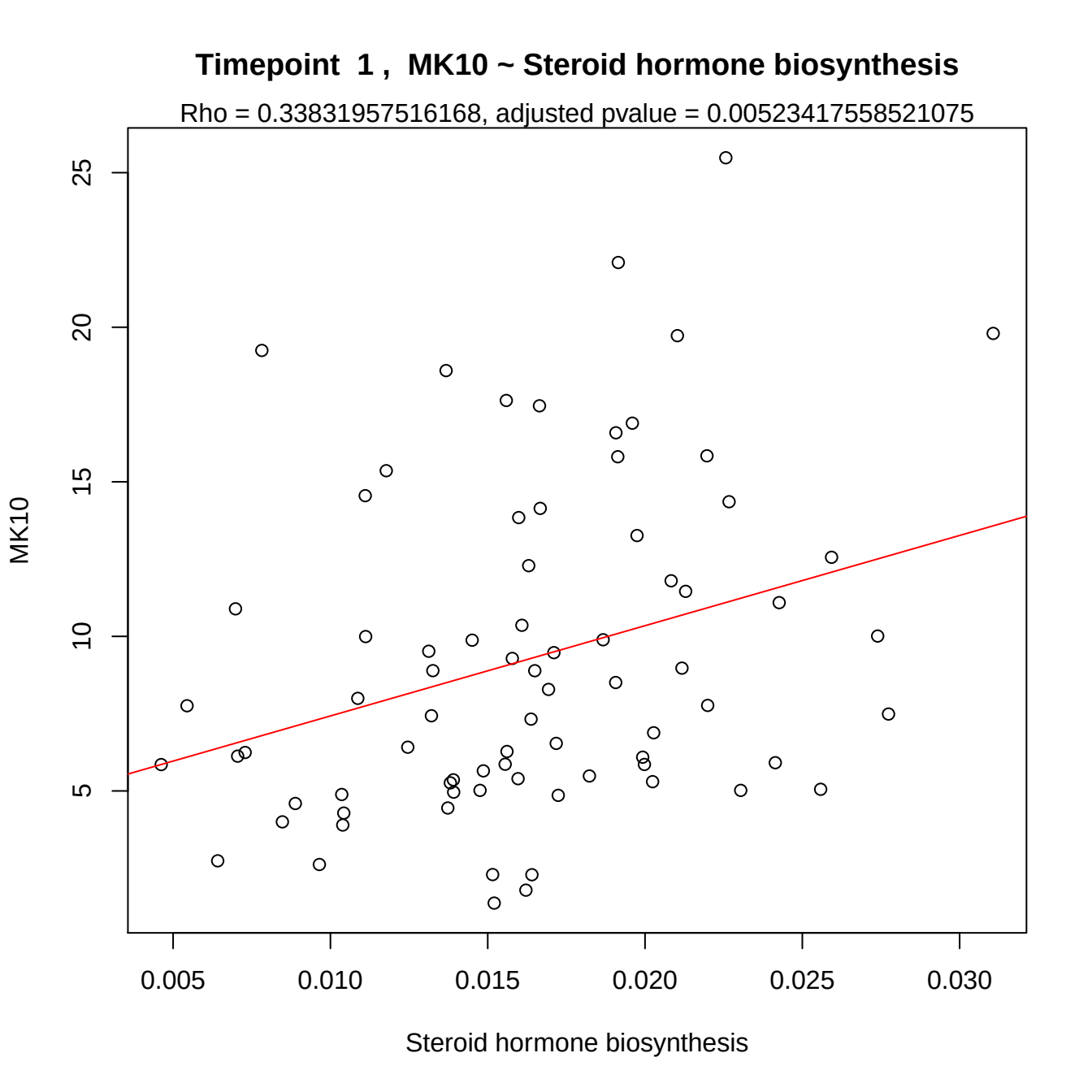

Timepoint 1 , MK10 ~ Purine metabolism
Rho = −0.388138177611862, adjusted pvalue = 0.00123873909440663
MK10
Purine metabolism
5
10
15
20
25
0.140
0.145
0.150
0.155
0.160
0.165
0.170

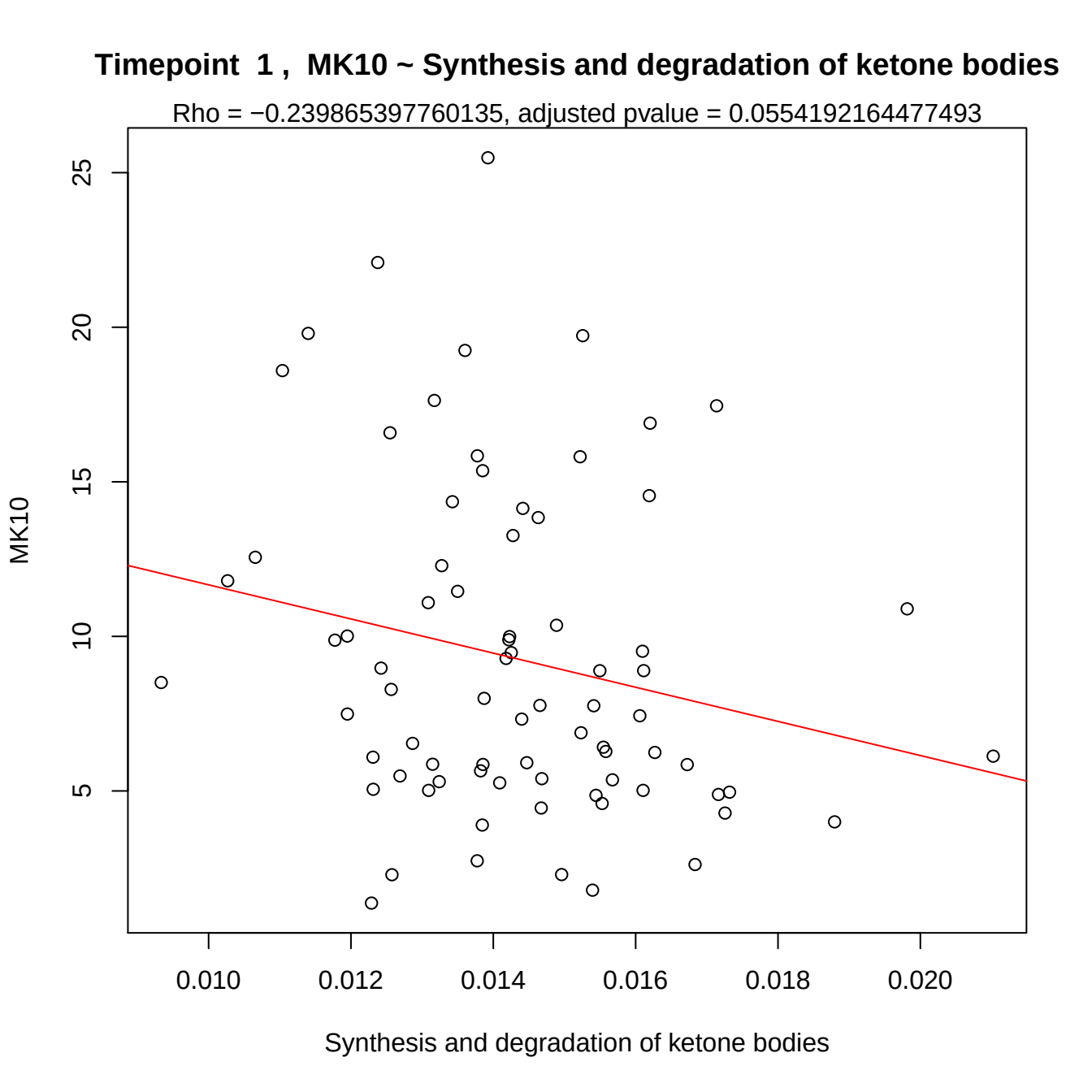

Timepoint 1 , MK10 ~ Pyrimidine metabolism
Rho = −0.405988748094011, adjusted pvalue = 0.000696959975822765
MK10
5
10
15
20
25
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

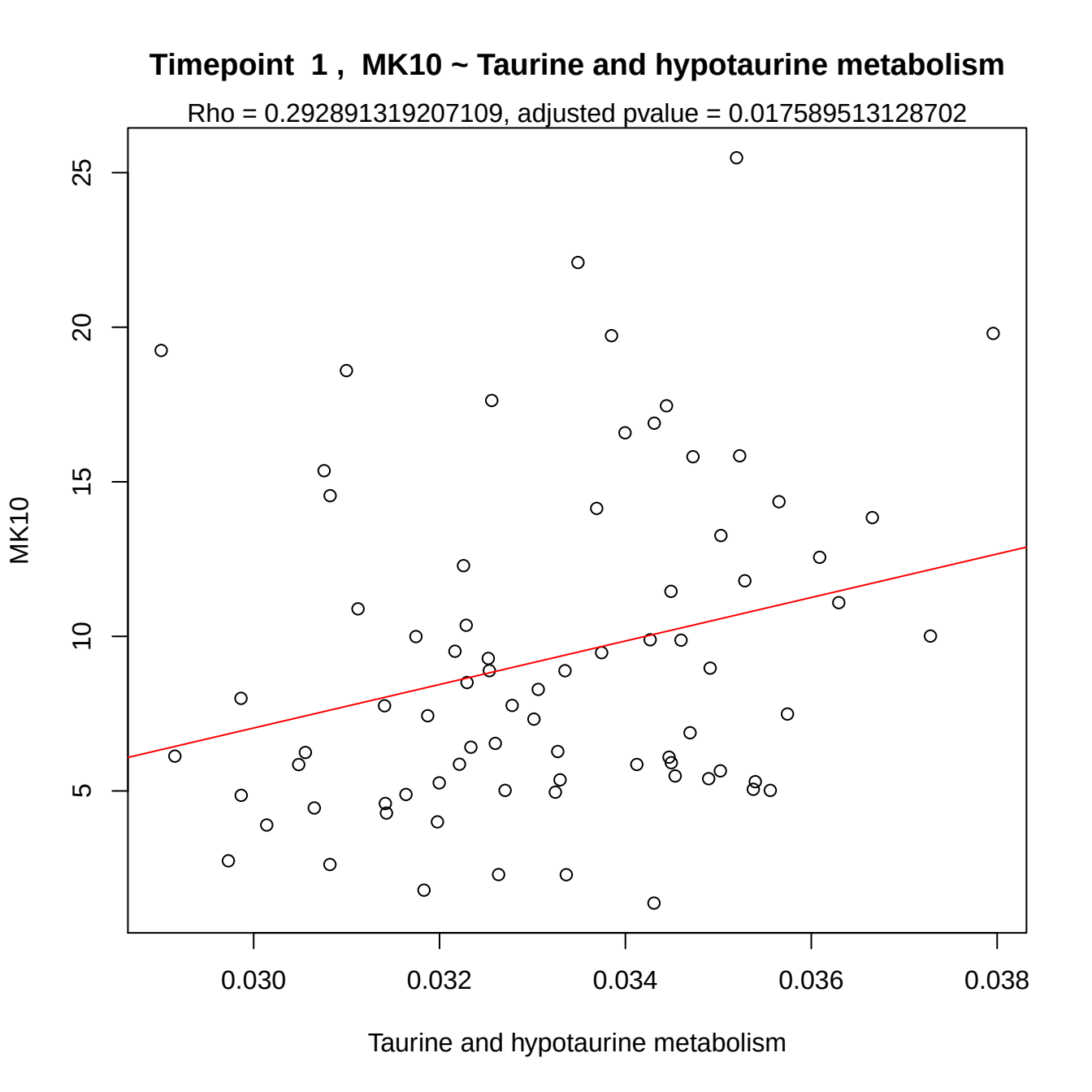

Timepoint 1 , MK10 ~ Pyruvate metabolism
Rho = 0.538172353961828, adjusted pvalue = 1.25021791835946e−05
MK10
5
10
15
20
25
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

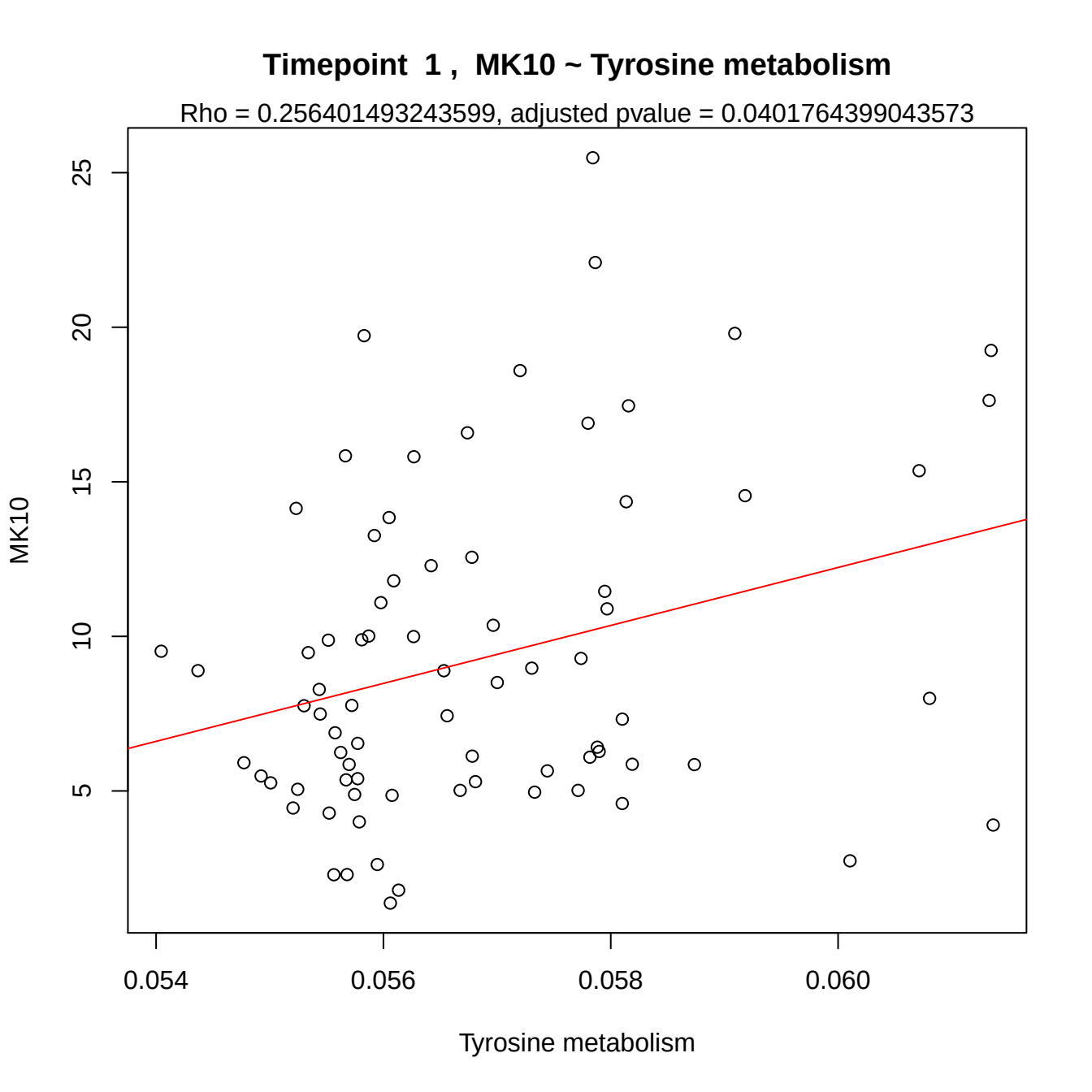

Timepoint 1 , MK10 ~ Selenocompound metabolism
Rho = −0.319759188180241, adjusted pvalue = 0.00885425275333861
MK10
5
10
15
20
25
0.056
0.058
0.060
0.062
Selenocompound metabolism

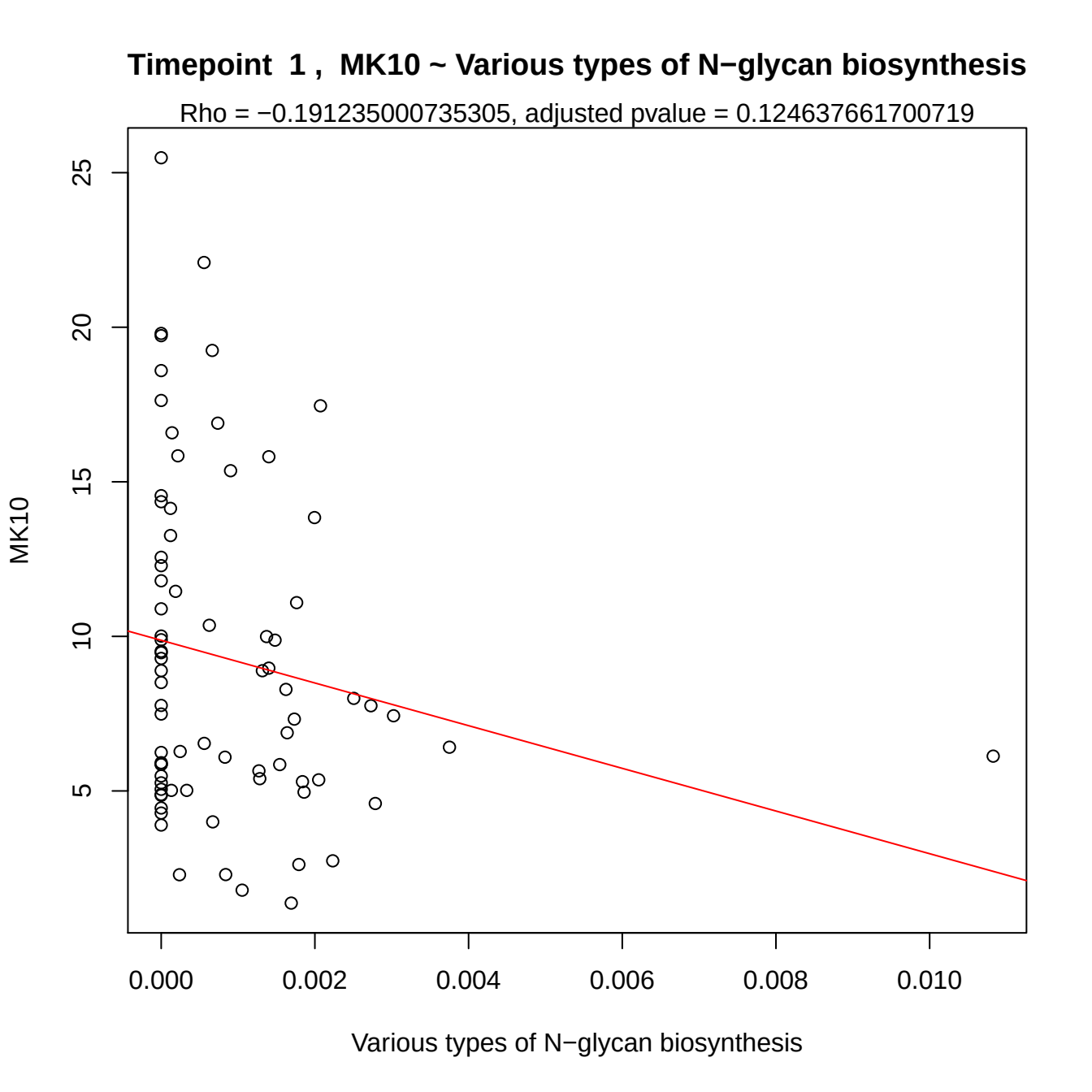

Timepoint 1 , MK10 ~ Starch and sucrose metabolism
Rho = 0.432015353067985, adjusted pvalue = 0.000349393890545271
MK10
5
10
15
20
25
0.10
0.11
0.12
0.13
Starch and sucrose metabolism

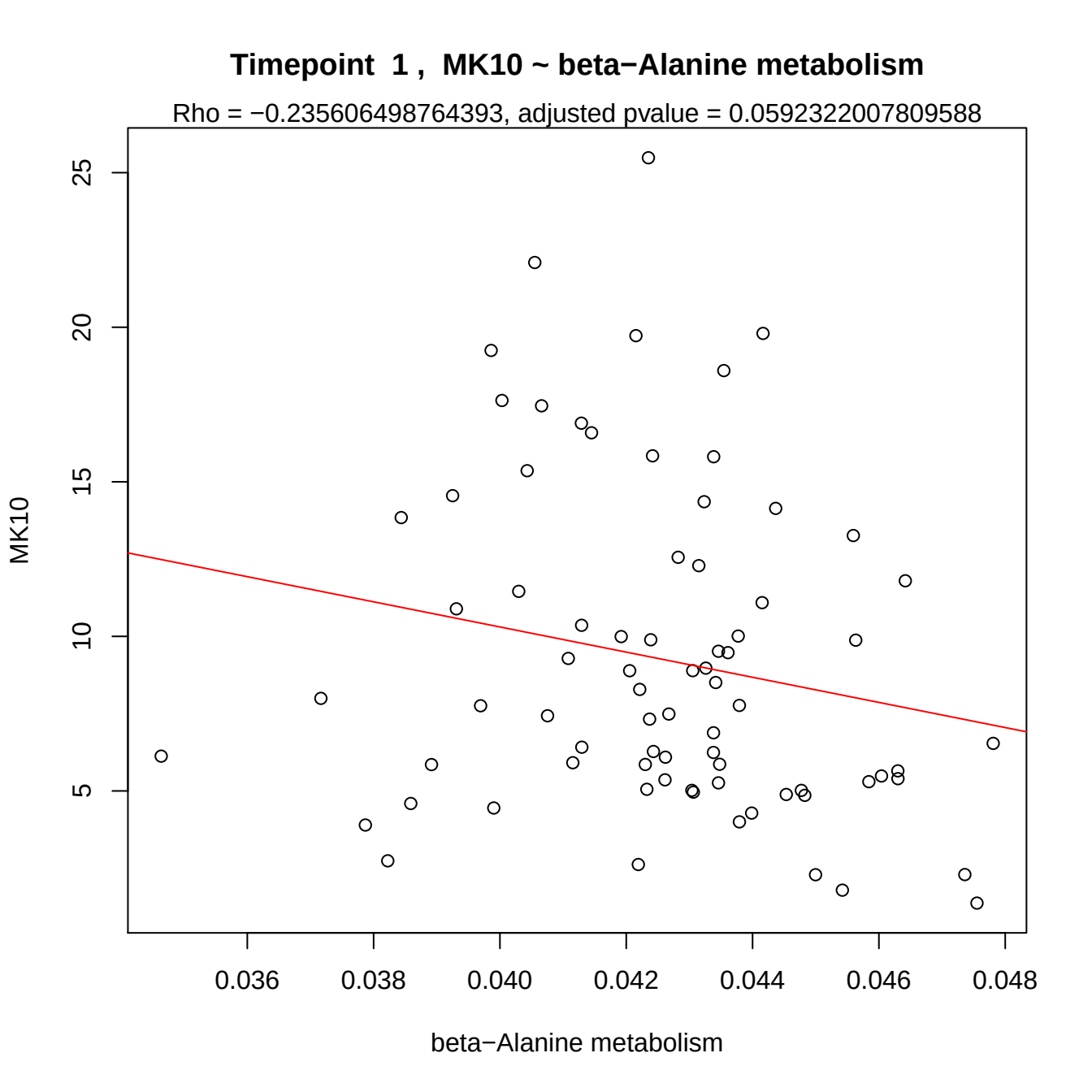

Timepoint 1 , MK10 ~ Steroid hormone biosynthesis
Rho = 0.33831957516168, adjusted pvalue = 0.00523417558521075
MK10
5
10
15
20
25
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis

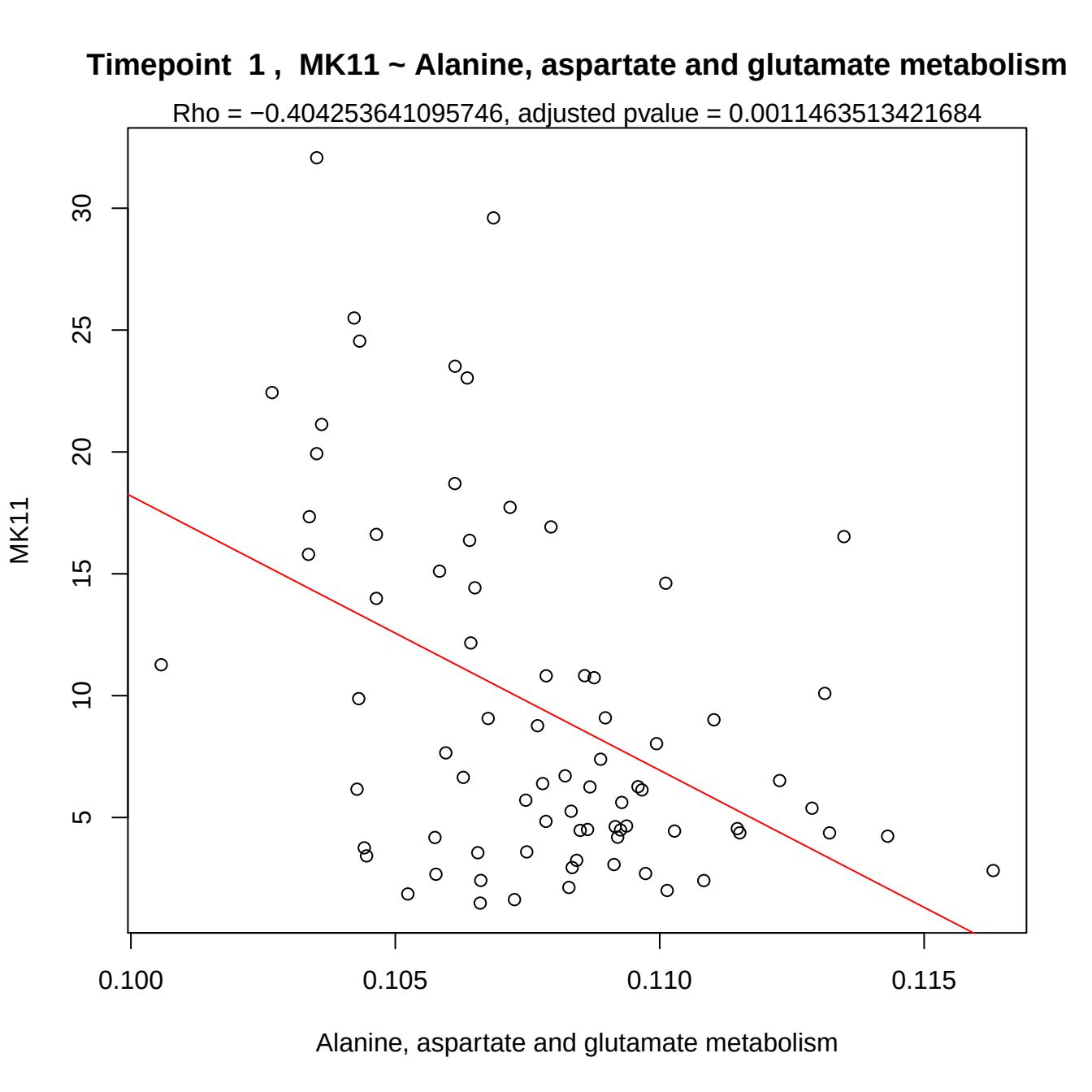

Timepoint 1 , MK10 ~ Synthesis and degradation of ketone bodies
Rho = −0.239865397760135, adjusted pvalue = 0.0554192164477493
MK10
5
10
15
20
25
0.010
0.012
0.014
0.016
0.018
0.020
Synthesis and degradation of ketone bodies

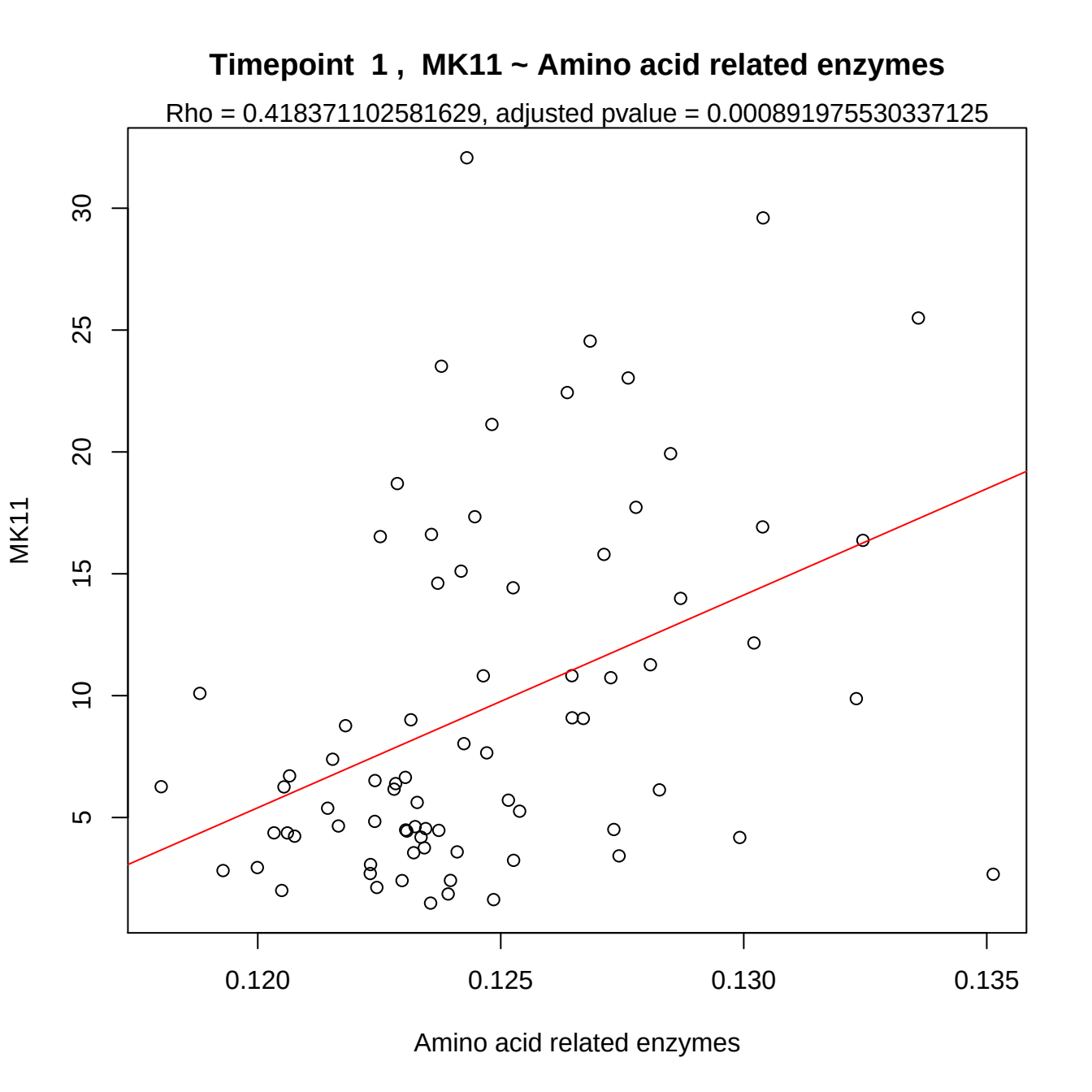

Timepoint 1 , MK10 ~ Taurine and hypotaurine metabolism
Rho = 0.292891319207109, adjusted pvalue = 0.017589513128702
MK10
5
10
15
20
25
0.030
0.032
0.034
0.036
0.038
Taurine and hypotaurine metabolism

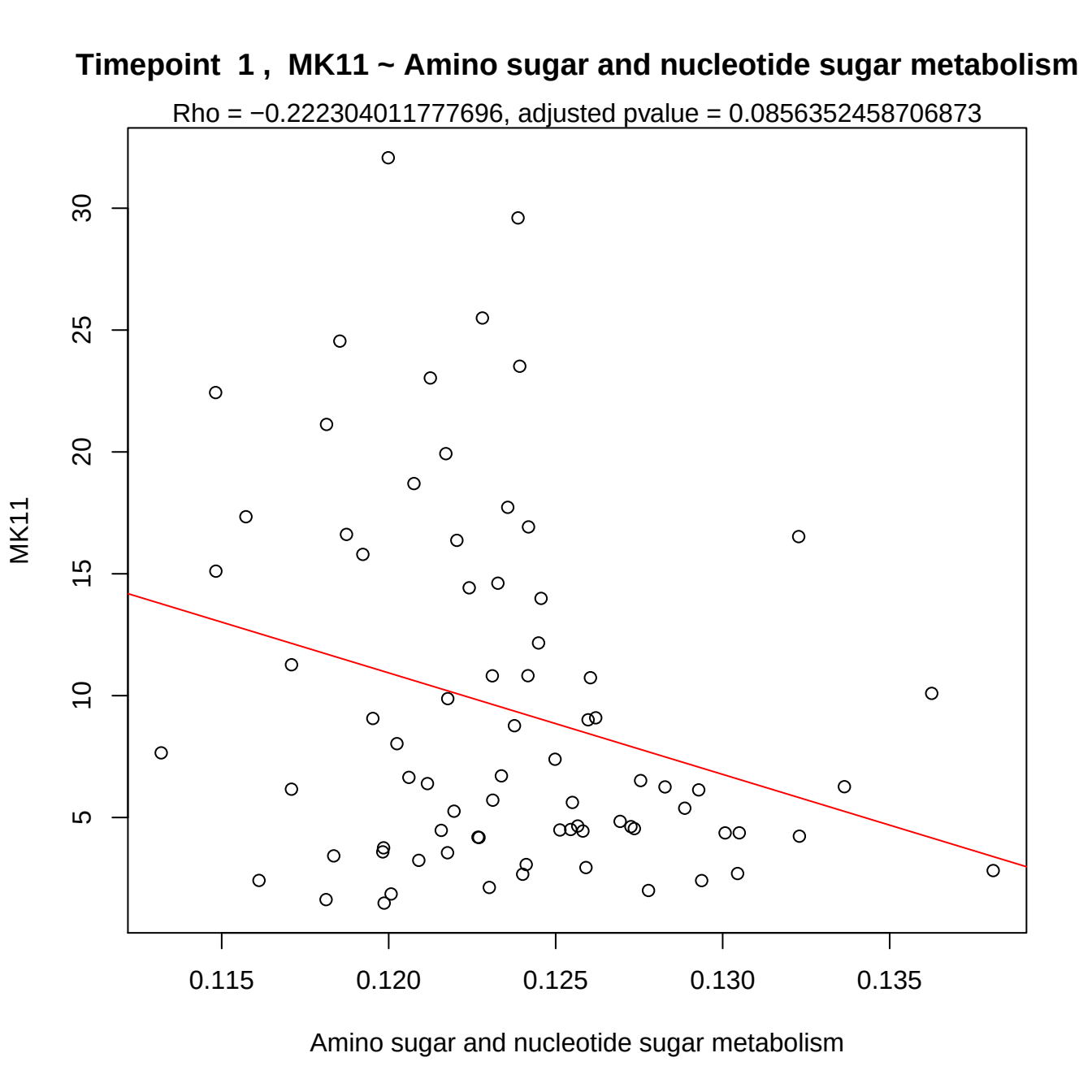

Timepoint 1 , MK10 ~ Tyrosine metabolism
Rho = 0.256401493243599, adjusted pvalue = 0.0401764399043573
MK10
5
10
15
20
25
0.054
0.056
0.058
0.060
Tyrosine metabolism

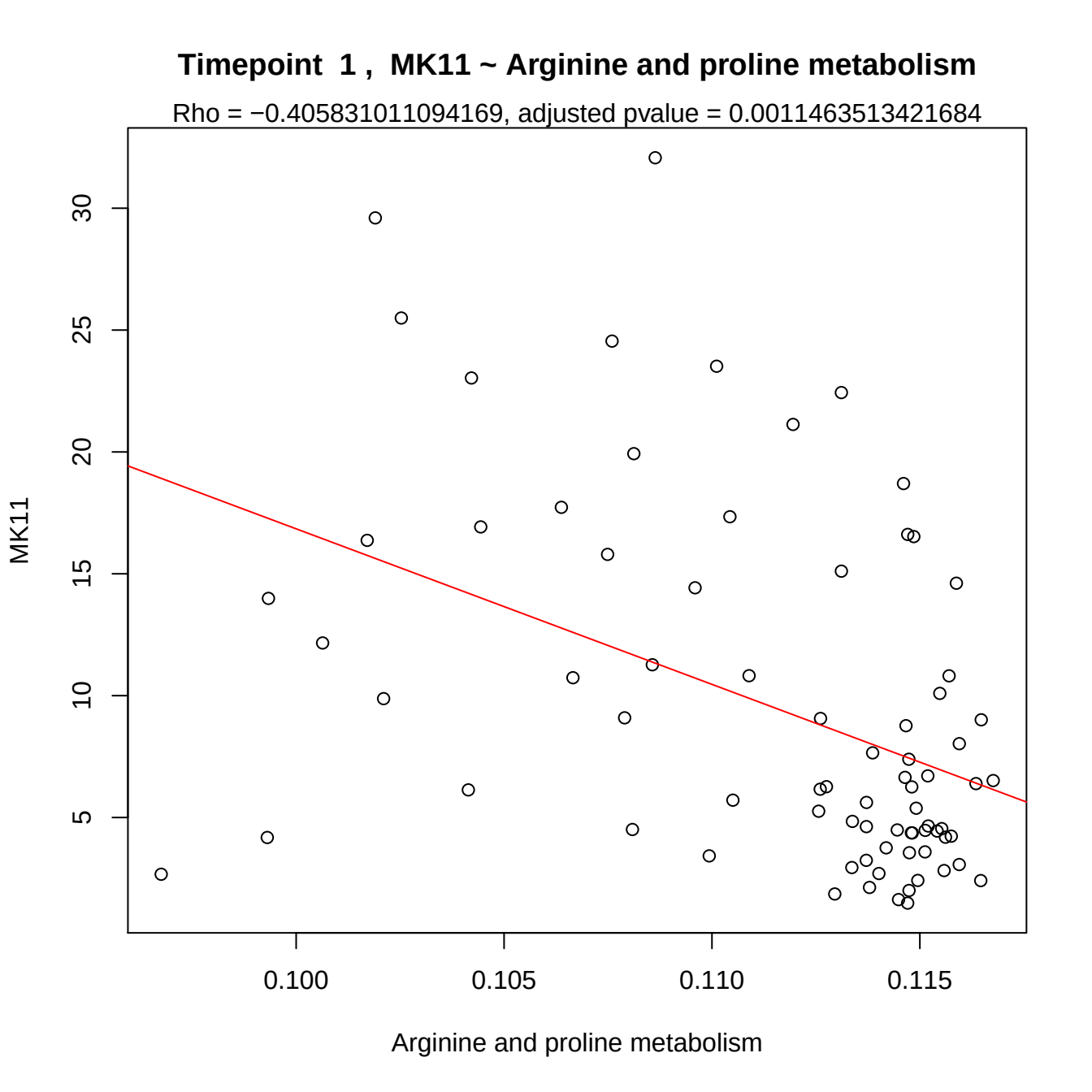

Timepoint 1 , MK10 ~ Various types of N−glycan biosynthesis
Rho = −0.191235000735305, adjusted pvalue = 0.124637661700719
MK10
5
10
15
20
25
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

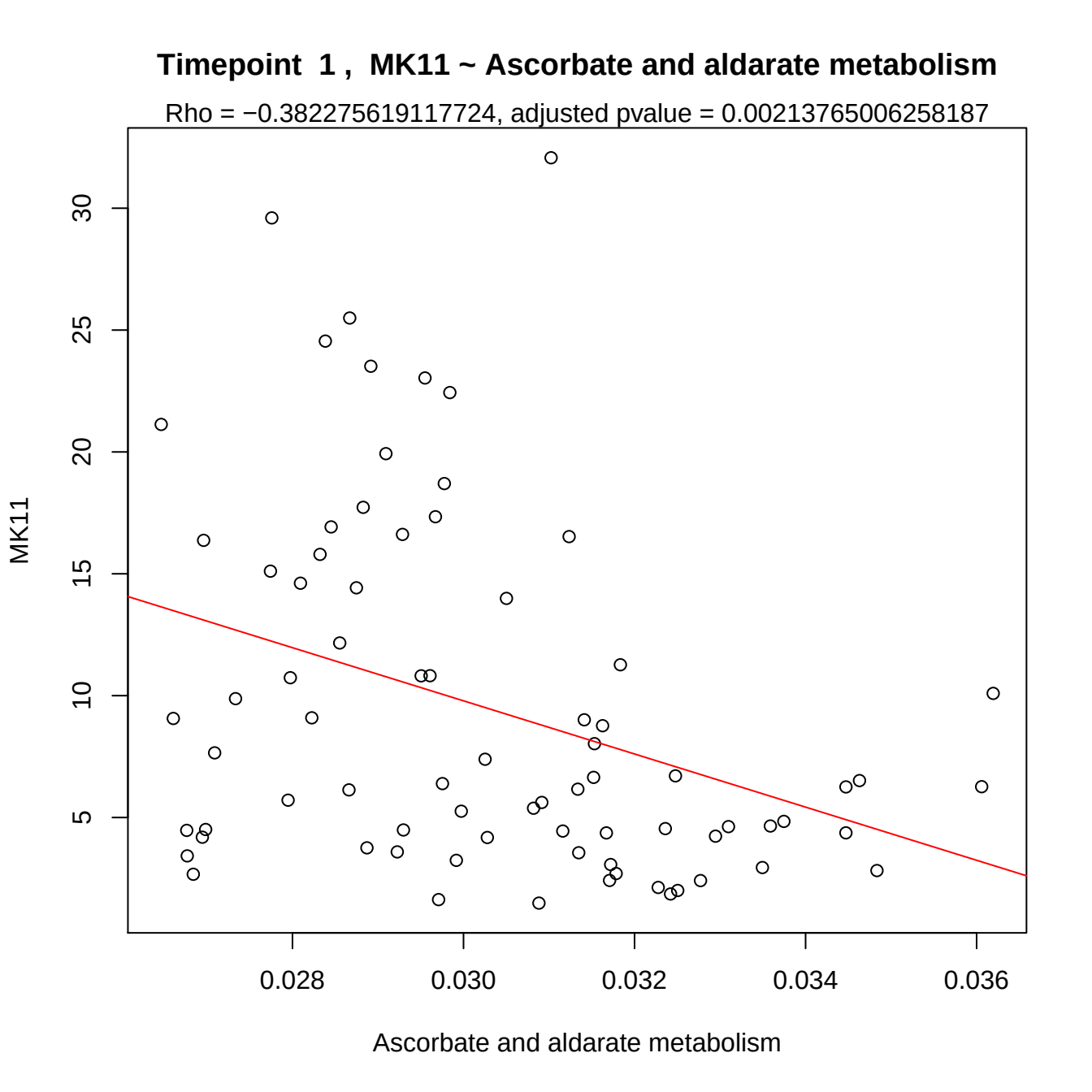

Timepoint 1 , MK10 ~ beta−Alanine metabolism
Rho = −0.235606498764393, adjusted pvalue = 0.0592322007809588
MK10
5
10
15
20
25
0.036
0.038
0.040
0.042
0.044
0.046
0.048
beta−Alanine metabolism

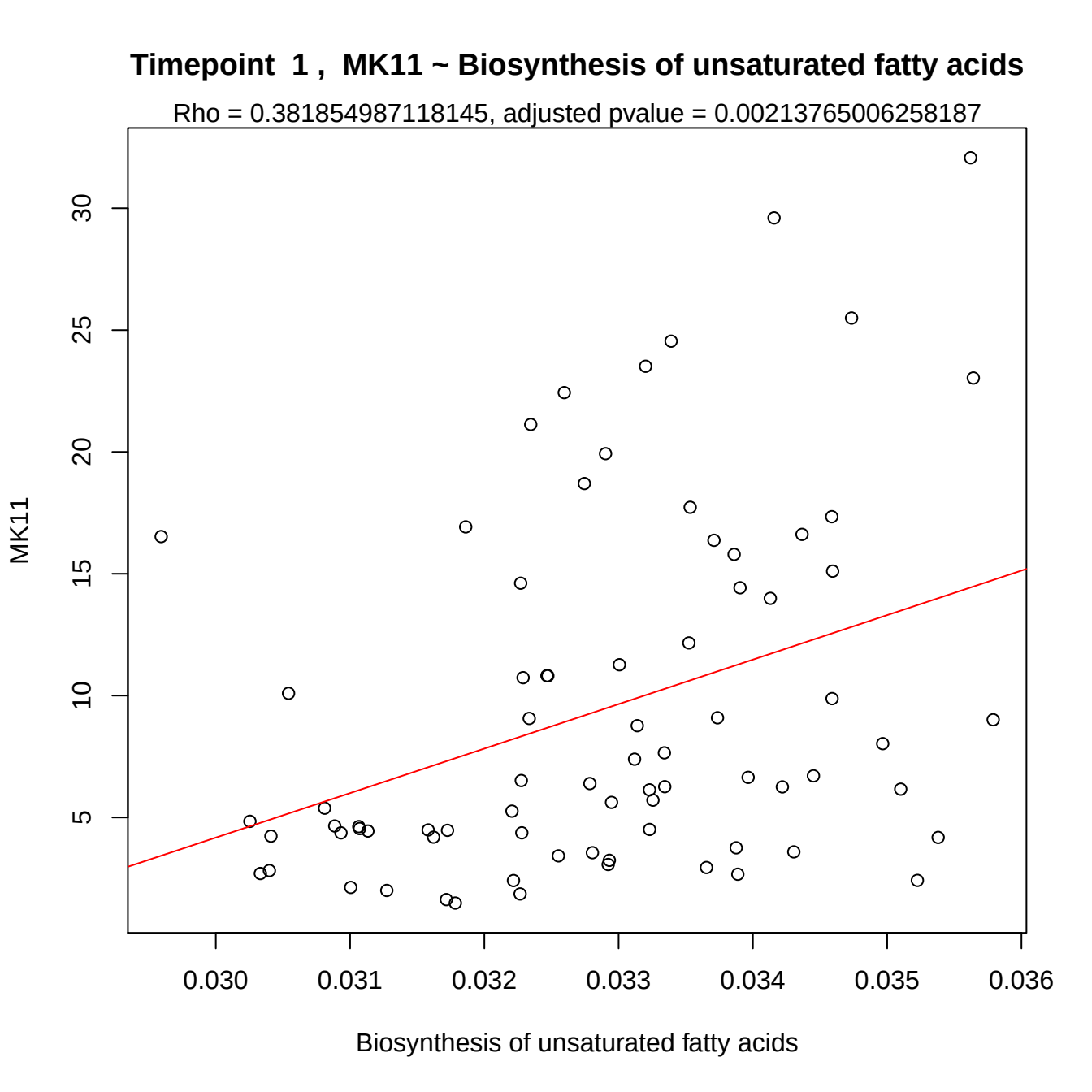

Timepoint 1 , MK11 ~ Alanine, aspartate and glutamate metabolism
Rho = −0.404253641095746, adjusted pvalue = 0.0011463513421684
MK11
5
10
15
20
25
30
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

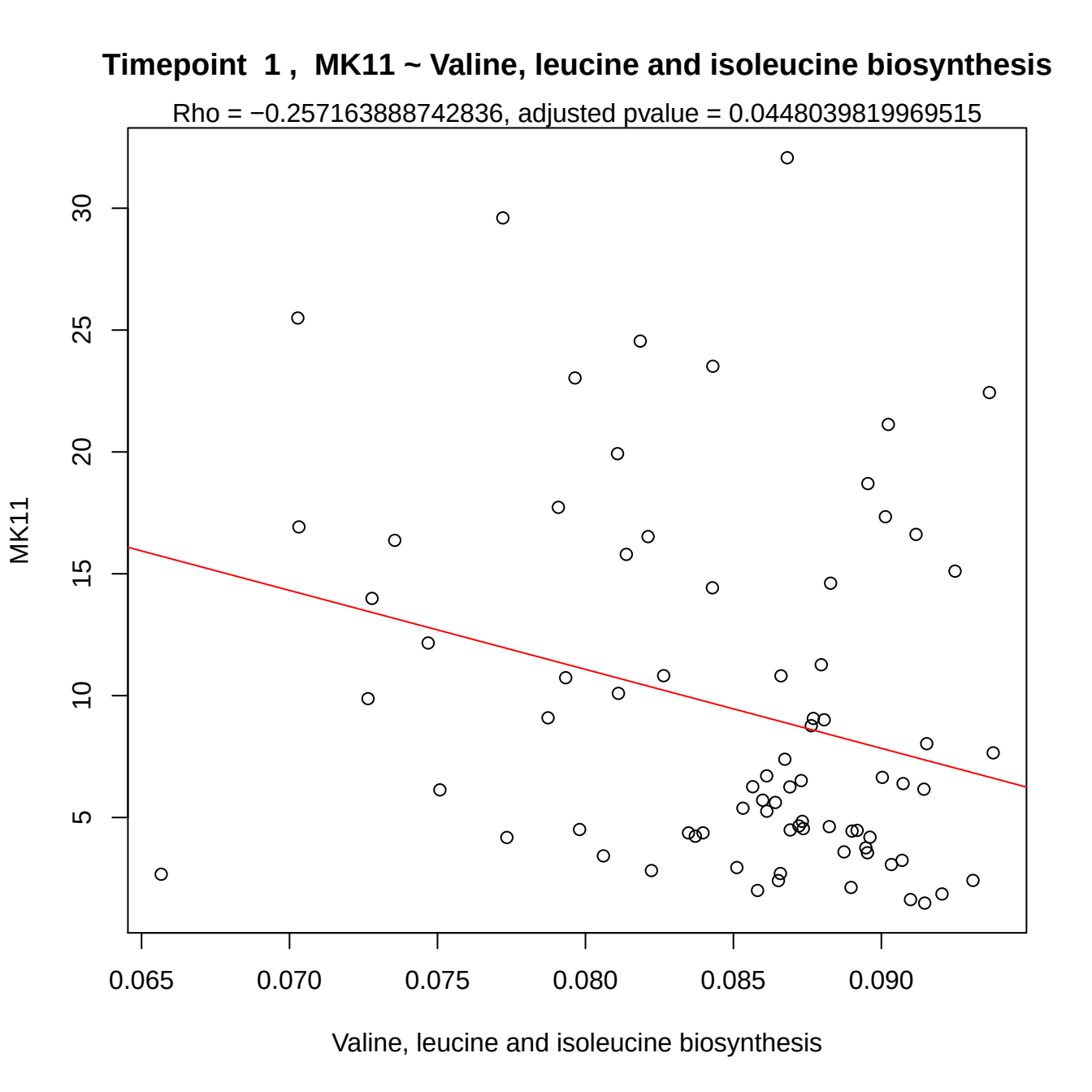

Timepoint 1 , MK11 ~ Amino acid related enzymes
Rho = 0.418371102581629, adjusted pvalue = 0.000891975530337125
MK11
5
10
15
20
25
30
0.120
0.125
0.130
0.135
Amino acid related enzymes

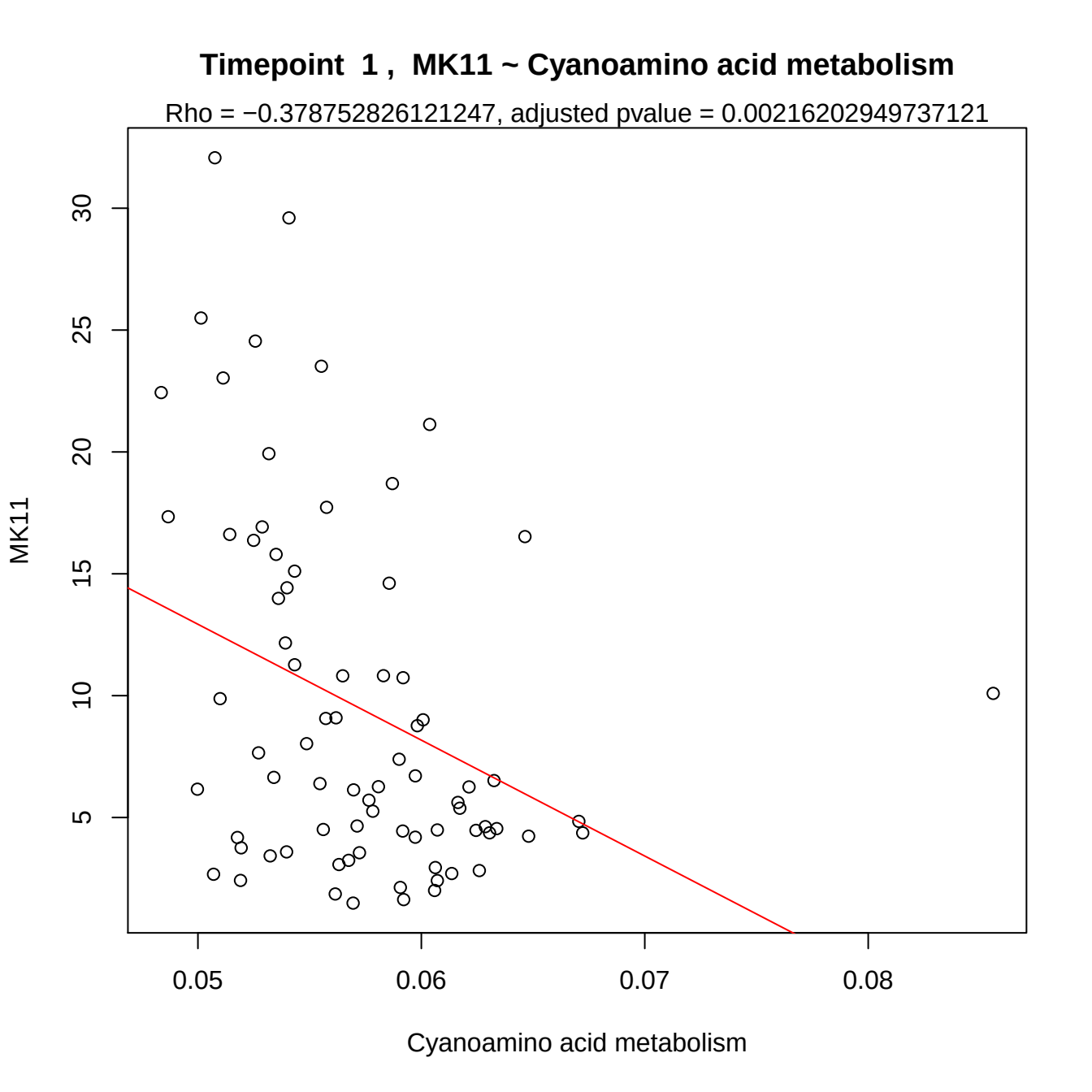

Timepoint 1 , MK11 ~ Amino sugar and nucleotide sugar metabolism
Rho = −0.222304011777696, adjusted pvalue = 0.0856352458706873
MK11
5
10
15
20
25
30
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

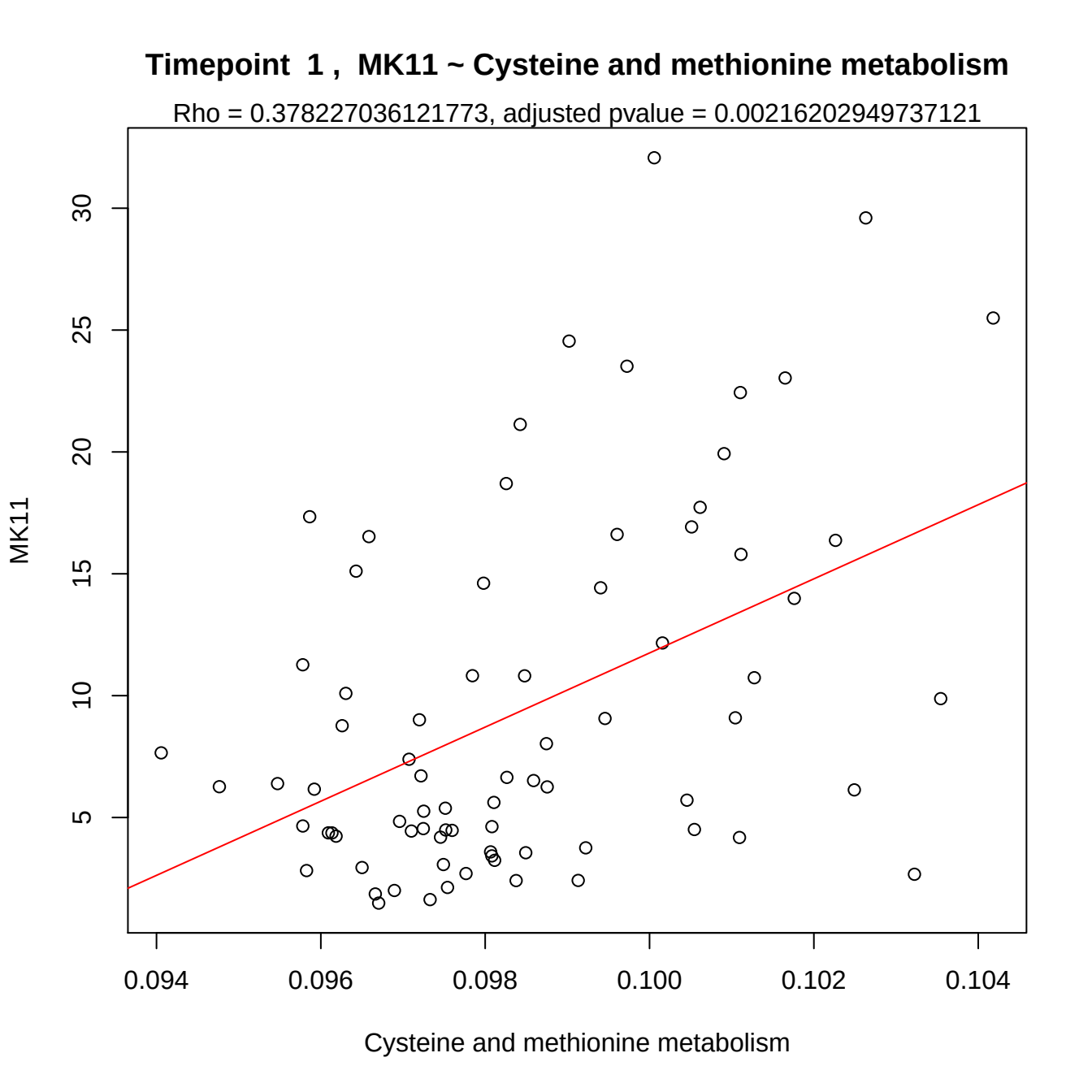

Timepoint 1 , MK11 ~ Arginine and proline metabolism
Rho = −0.405831011094169, adjusted pvalue = 0.0011463513421684
MK11
5
10
15
20
25
30
0.100
0.105
0.110
0.115
Arginine and proline metabolism

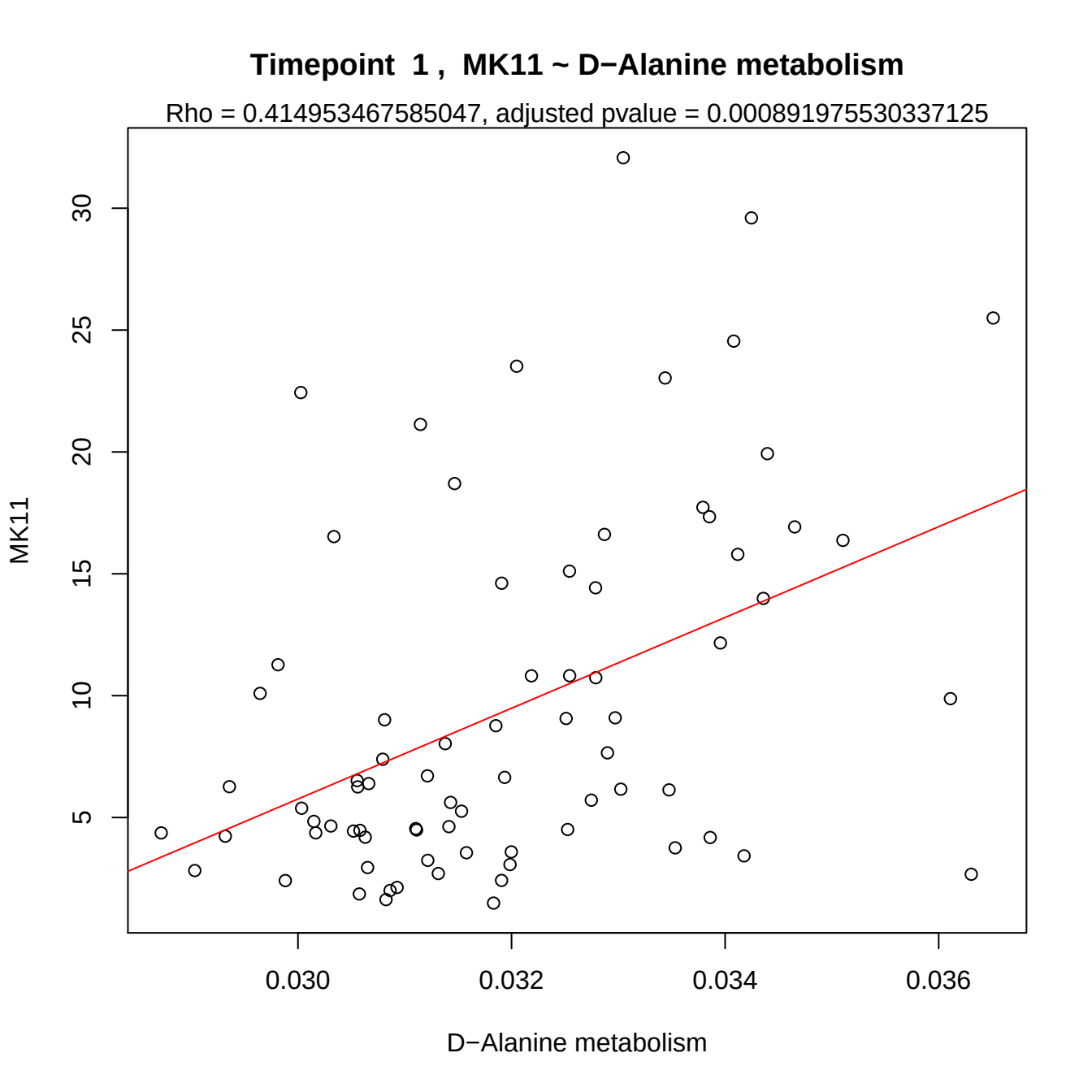

Timepoint 1 , MK11 ~ Ascorbate and aldarate metabolism
Rho = −0.382275619117724, adjusted pvalue = 0.00213765006258187
MK11
5
10
15
20
25
30
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

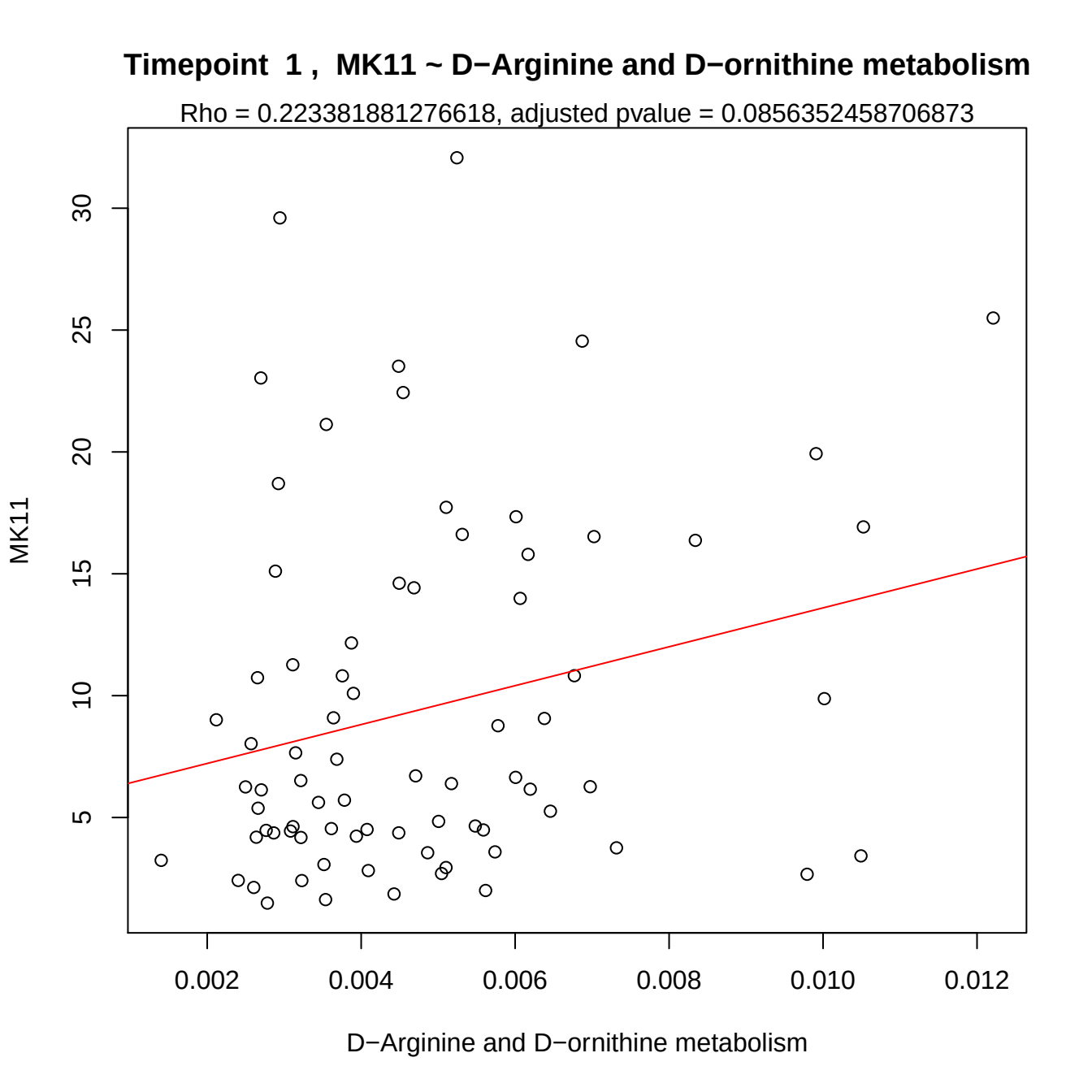

Timepoint 1 , MK11 ~ Biosynthesis of unsaturated fatty acids
Rho = 0.381854987118145, adjusted pvalue = 0.00213765006258187
MK11
5
10
15
20
25
30
0.030
0.031
0.032
0.033
0.034
0.035
0.036
Biosynthesis of unsaturated fatty acids

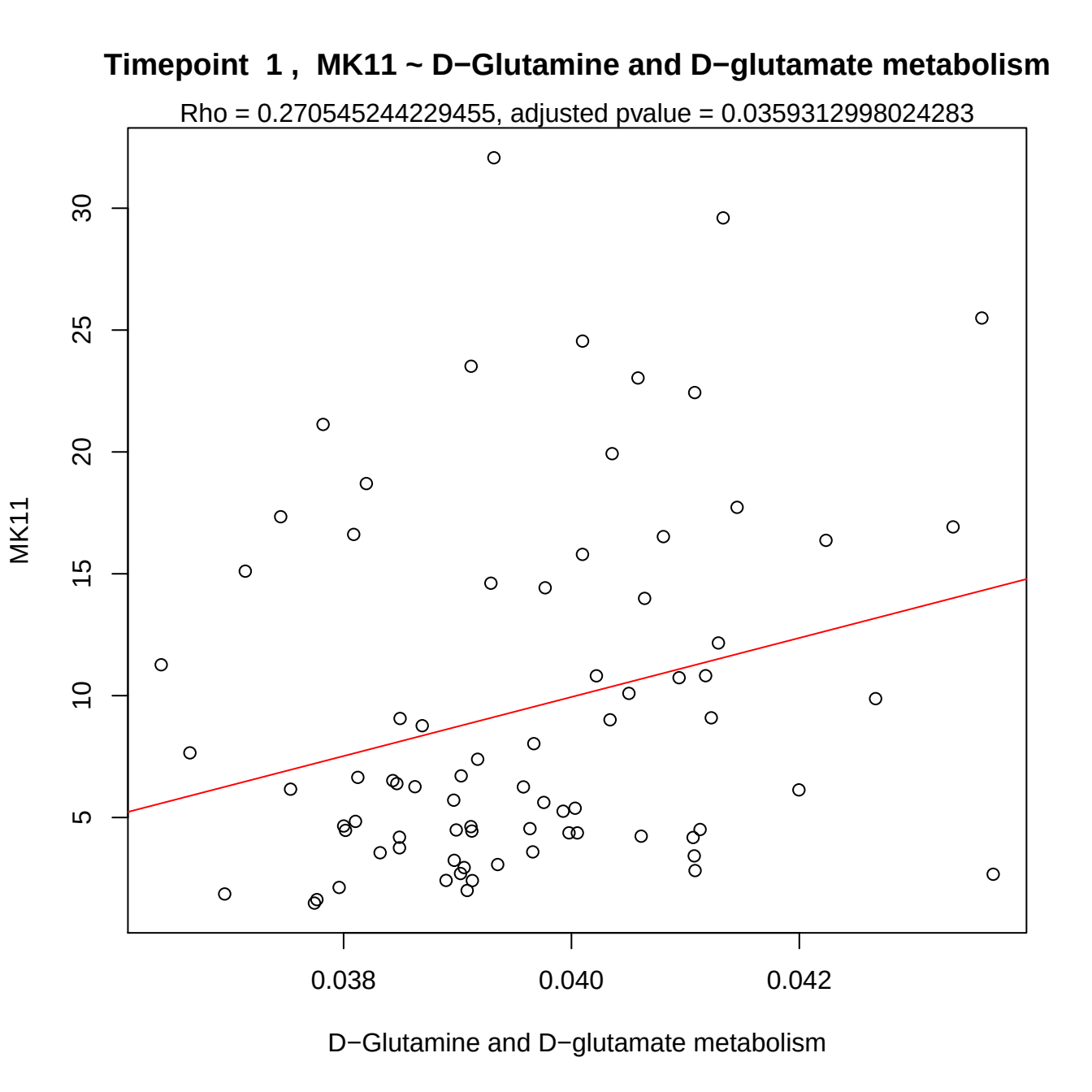

Timepoint 1 , MK11 ~ Valine, leucine and isoleucine biosynthesis
Rho = −0.257163888742836, adjusted pvalue = 0.0448039819969515
MK11
5
10
15
20
25
30
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

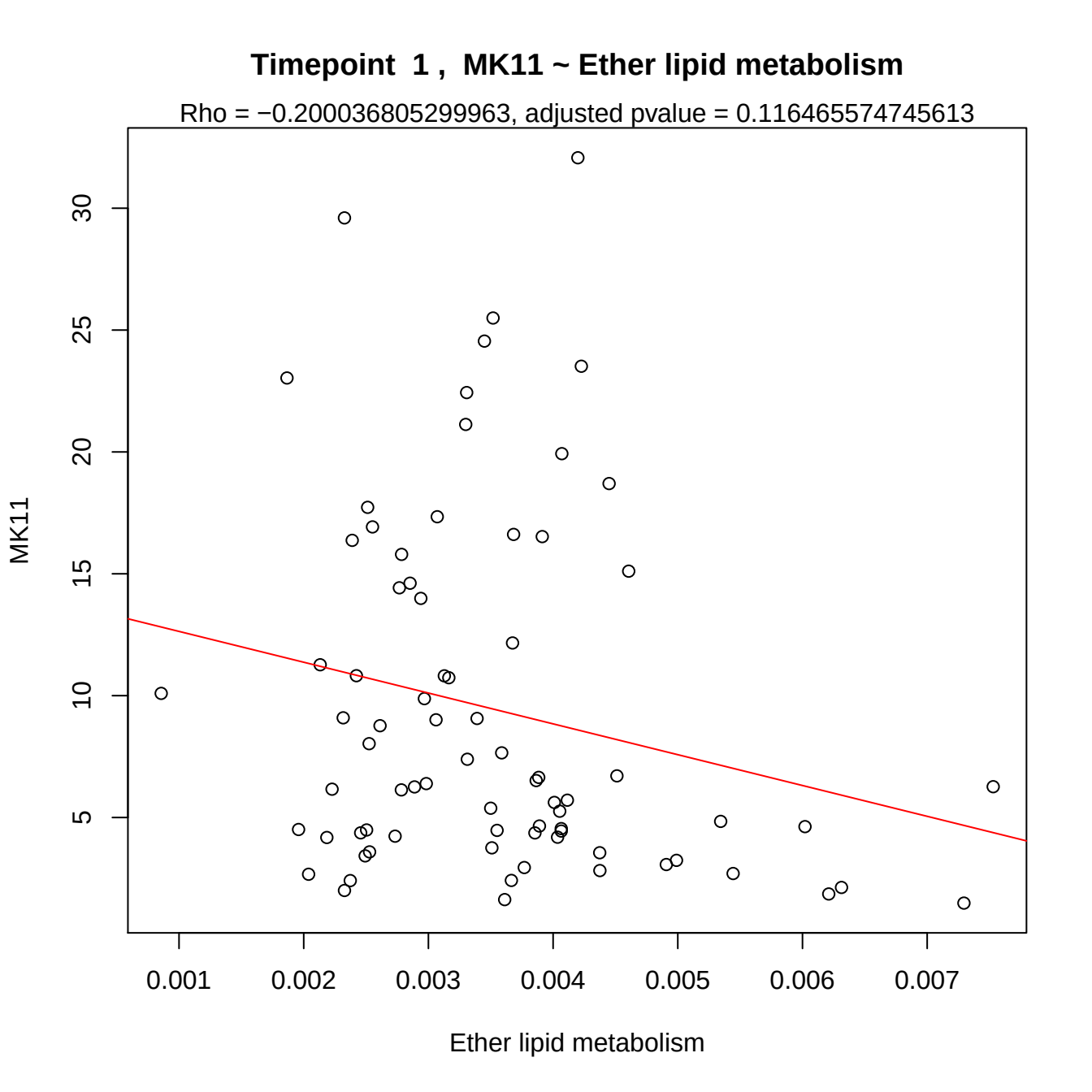

Timepoint 1 , MK11 ~ Cyanoamino acid metabolism
Rho = −0.378752826121247, adjusted pvalue = 0.00216202949737121
MK11
5
10
15
20
25
30
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

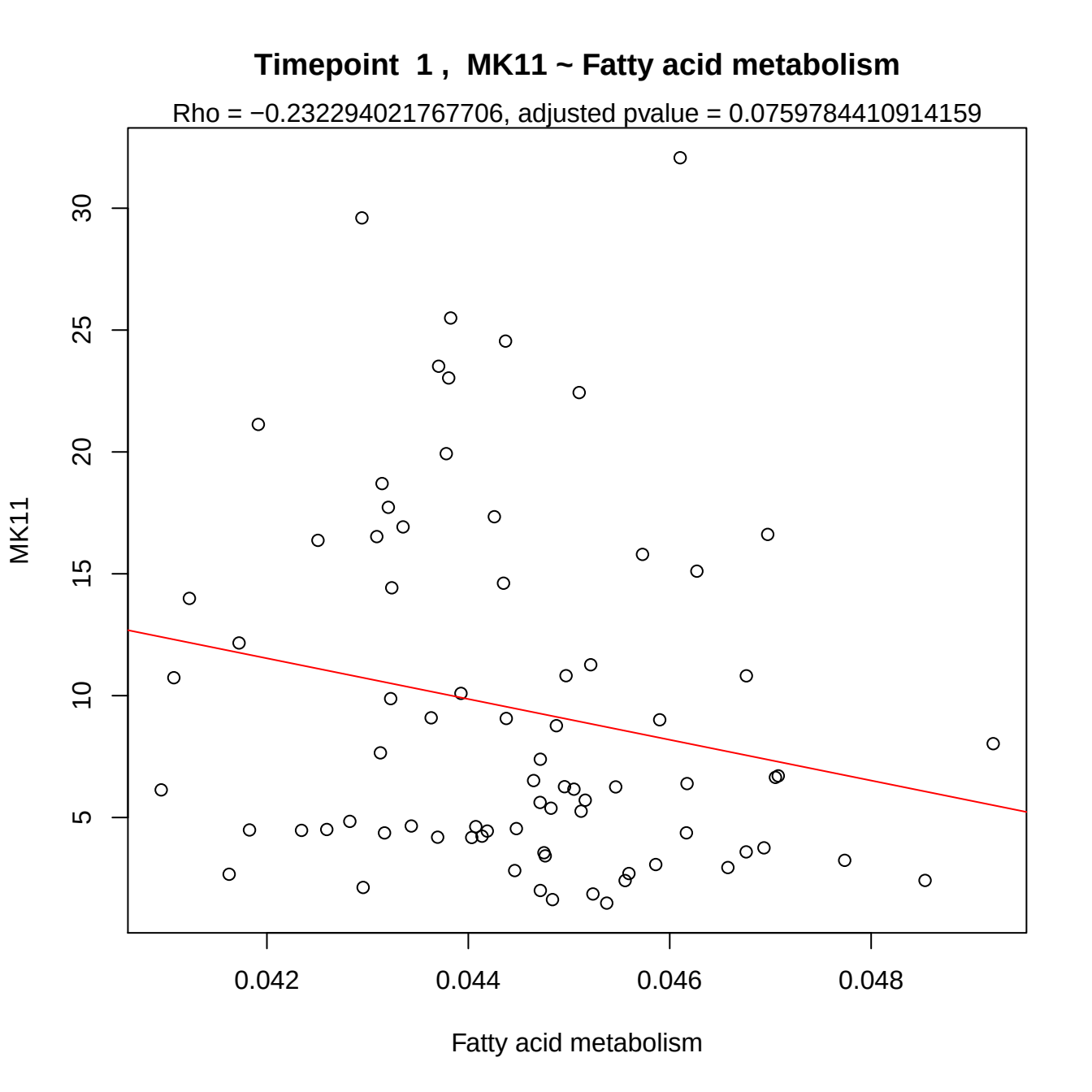

Timepoint 1 , MK11 ~ Cysteine and methionine metabolism
Rho = 0.378227036121773, adjusted pvalue = 0.00216202949737121
MK11
5
10
15
20
25
30
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

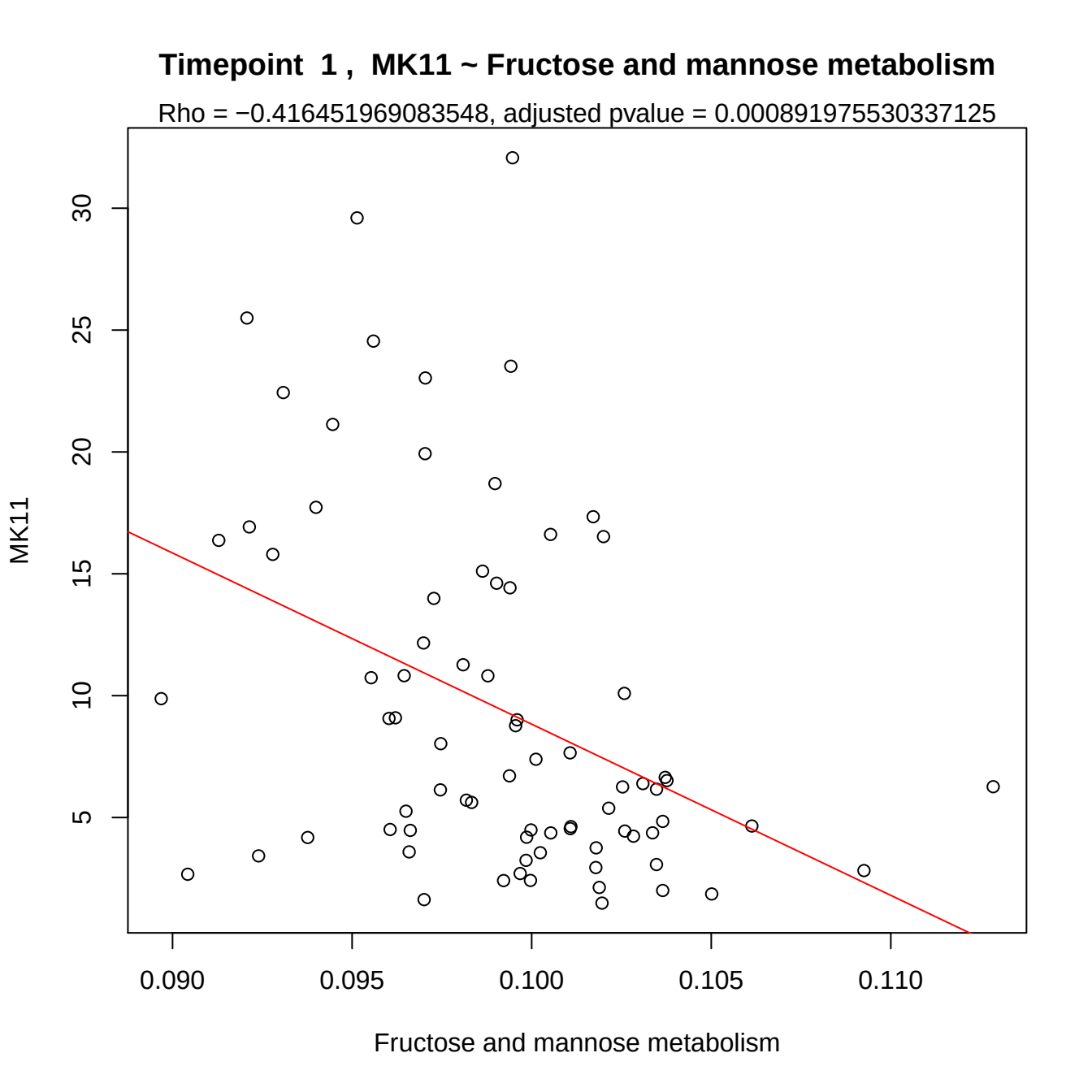

Timepoint 1 , MK11 ~ D−Alanine metabolism
Rho = 0.414953467585047, adjusted pvalue = 0.000891975530337125
MK11
5
10
15
20
25
30
0.030
0.032
0.034
0.036
D−Alanine metabolism

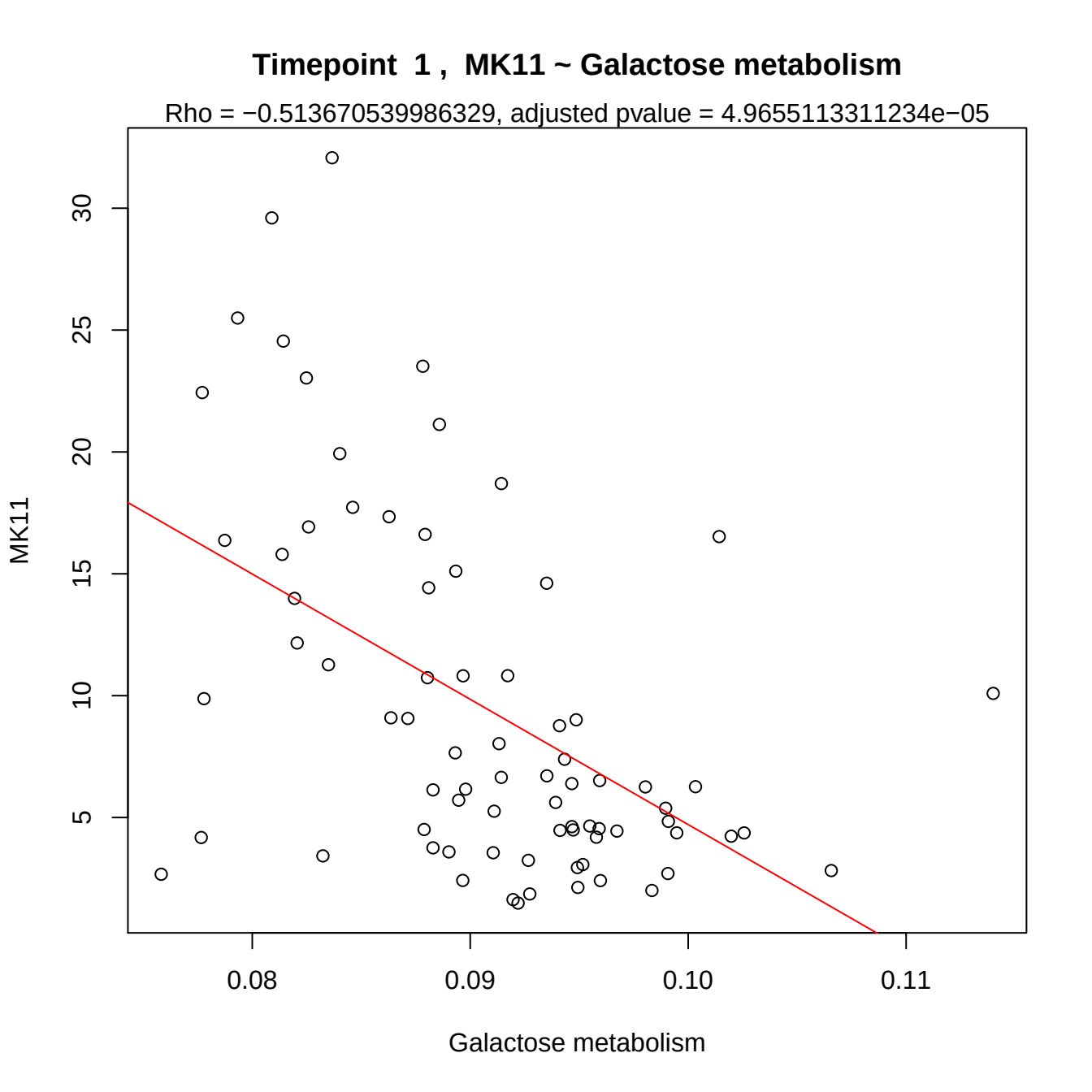

Timepoint 1 , MK11 ~ D−Arginine and D−ornithine metabolism
Rho = 0.223381881276618, adjusted pvalue = 0.0856352458706873
MK11
5
10
15
20
25
30
0.002
0.004
0.006
0.008
0.010
0.012
D−Arginine and D−ornithine metabolism

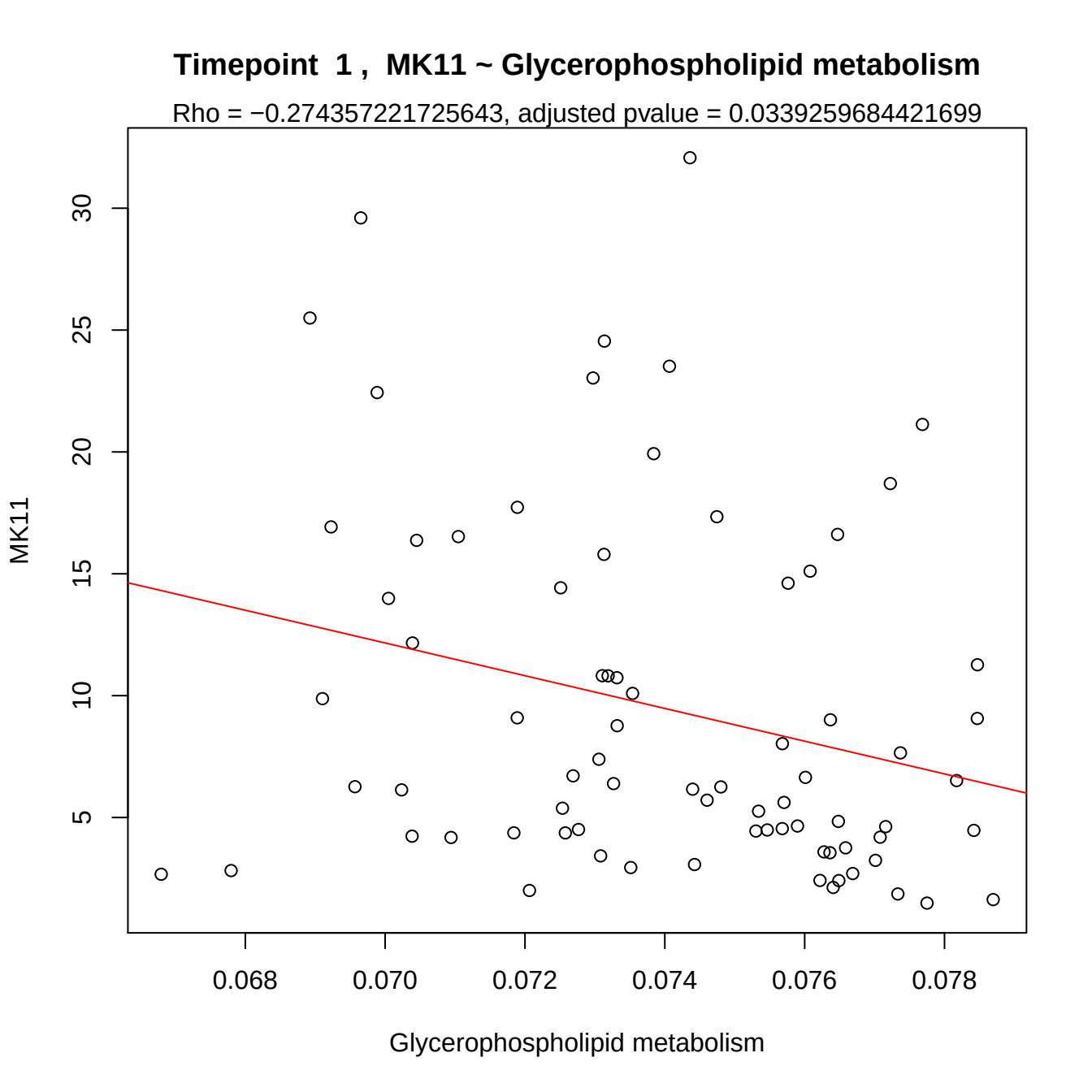

Timepoint 1 , MK11 ~ D−Glutamine and D−glutamate metabolism
Rho = 0.270545244229455, adjusted pvalue = 0.0359312998024283
MK11
5
10
15
20
25
30
0.038
0.040
0.042
D−Glutamine and D−glutamate metabolism

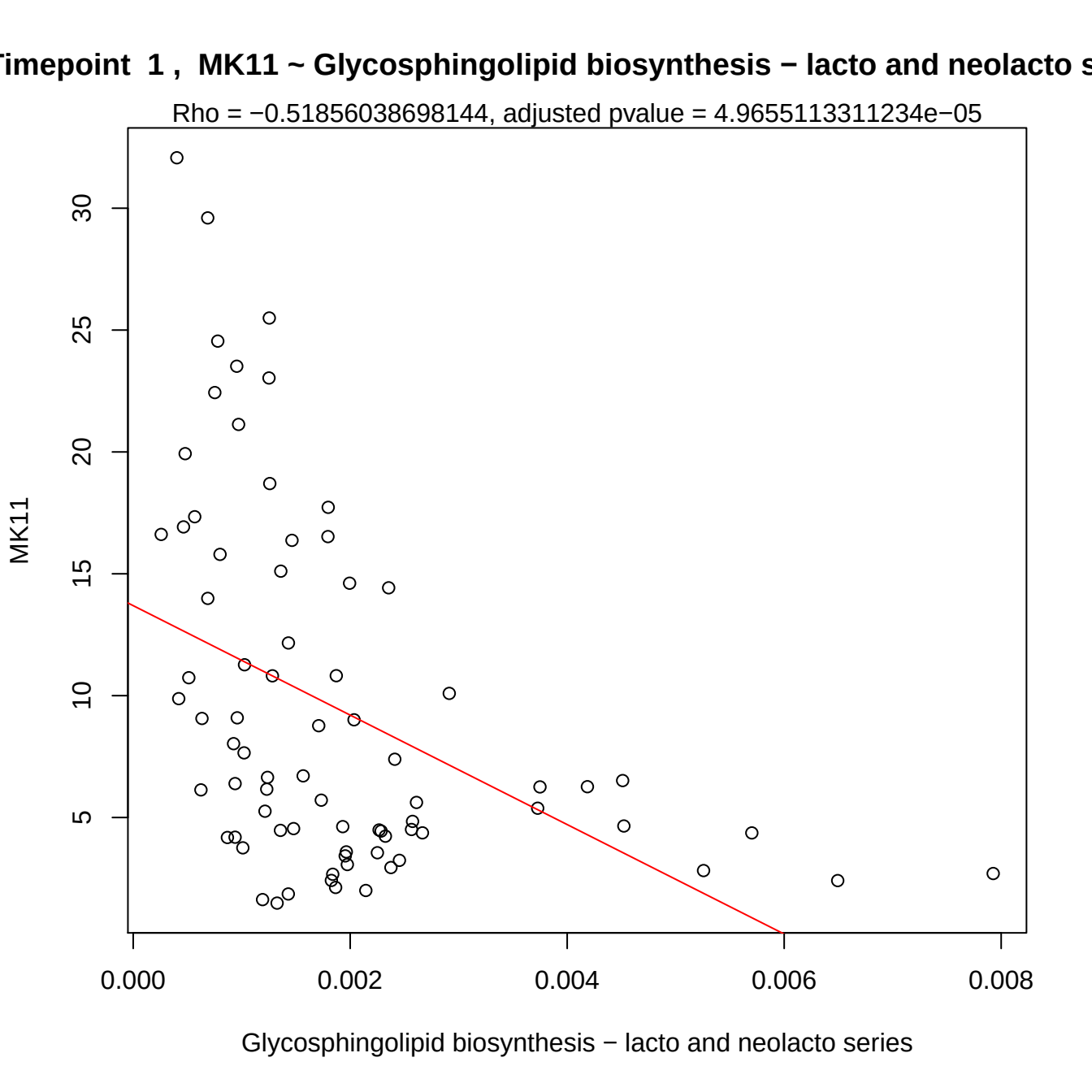

Timepoint 1 , MK11 ~ Ether lipid metabolism
Rho = −0.200036805299963, adjusted pvalue = 0.116465574745613
MK11
5
10
15
20
25
30
0.001
0.002
0.003
0.004
0.005
0.006
0.007
Ether lipid metabolism

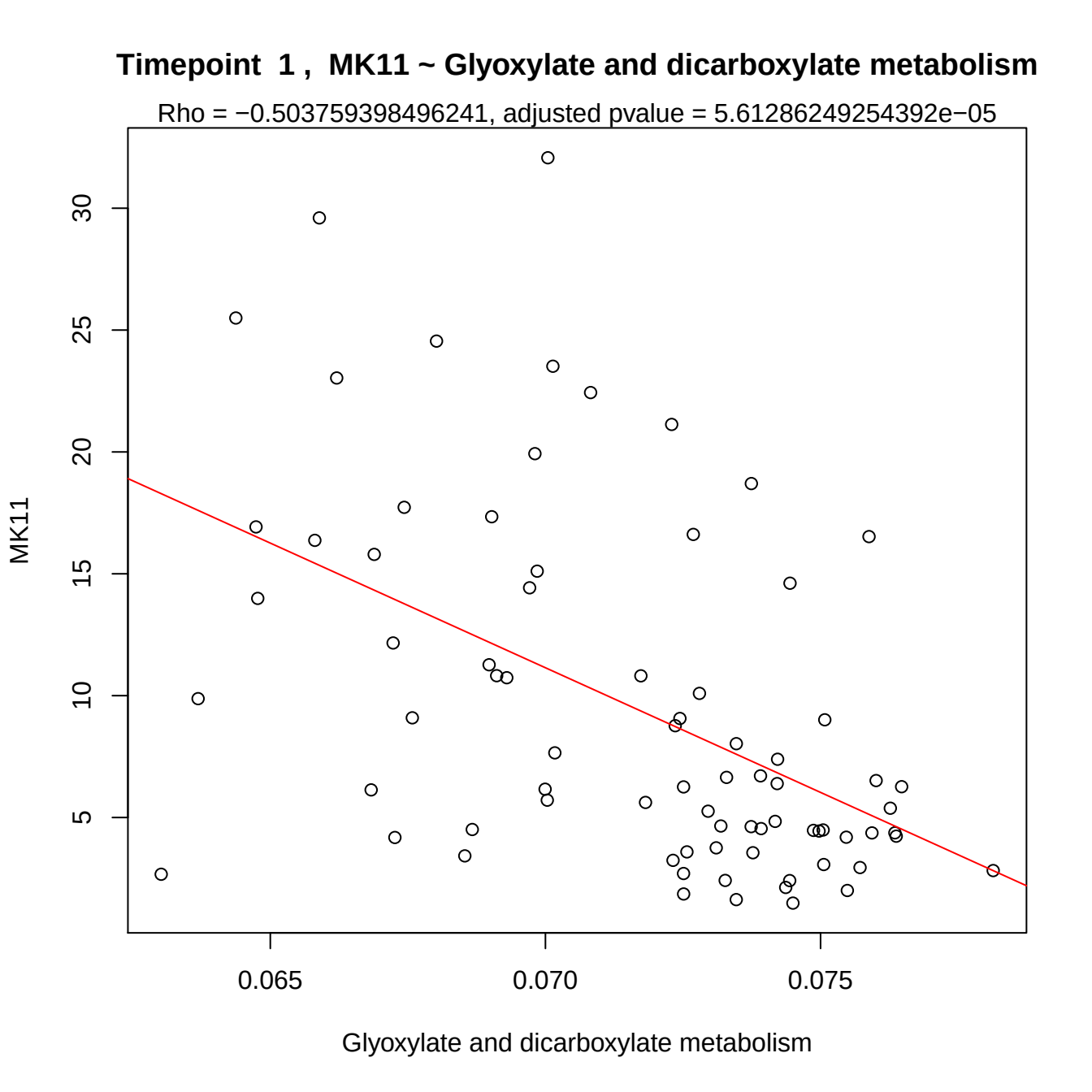

Timepoint 1 , MK11 ~ Fatty acid metabolism
Rho = −0.232294021767706, adjusted pvalue = 0.0759784410914159
MK11
5
10
15
20
25
30
0.042
0.044
0.046
0.048
Fatty acid metabolism

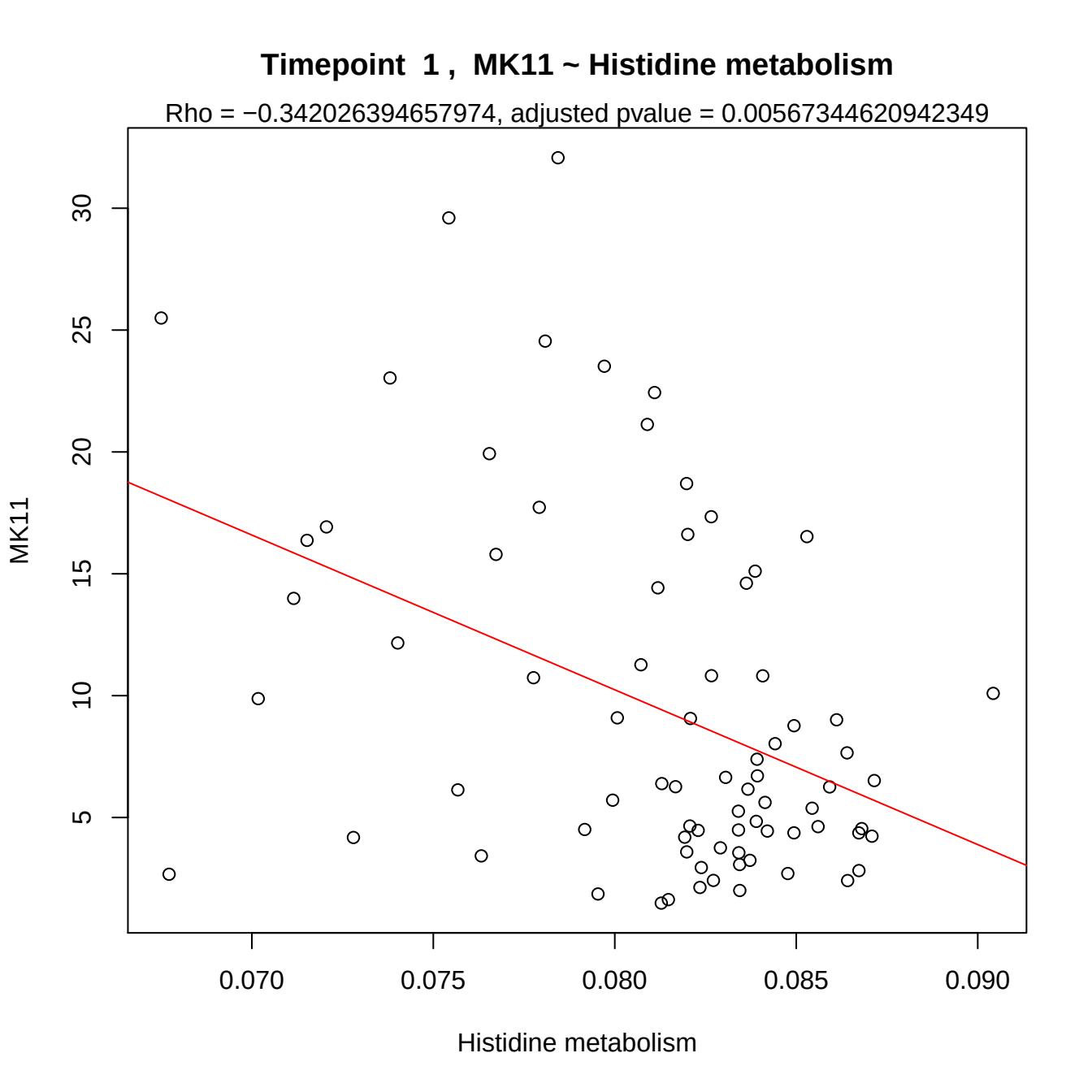

Timepoint 1 , MK11 ~ Fructose and mannose metabolism
Rho = −0.416451969083548, adjusted pvalue = 0.000891975530337125
MK11
5
10
15
20
25
30
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

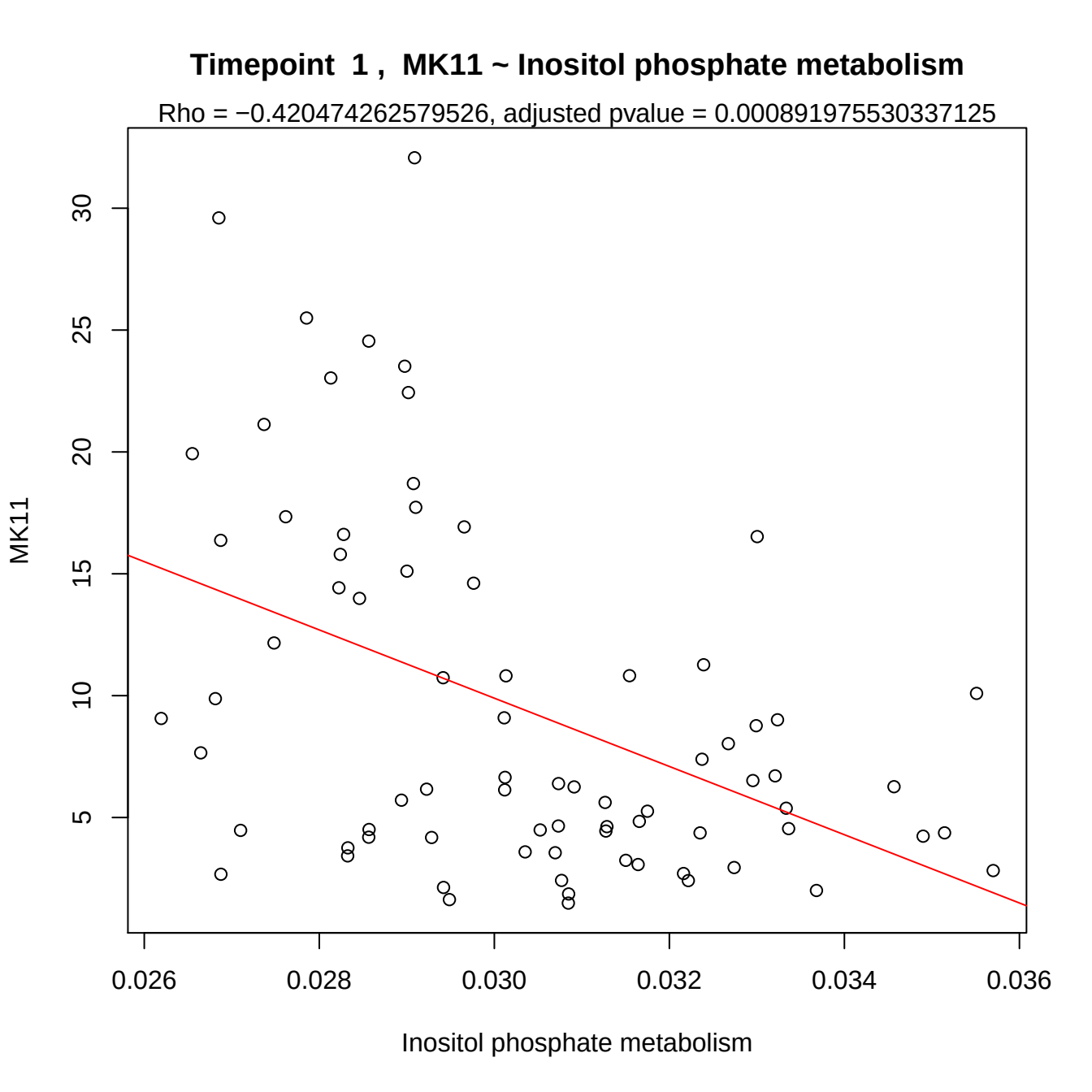

Timepoint 1 , MK11 ~ Galactose metabolism
Rho = −0.513670539986329, adjusted pvalue = 4.9655113311234e−05
MK11
5
10
15
20
25
30
0.08
0.09
0.10
0.11
Galactose metabolism

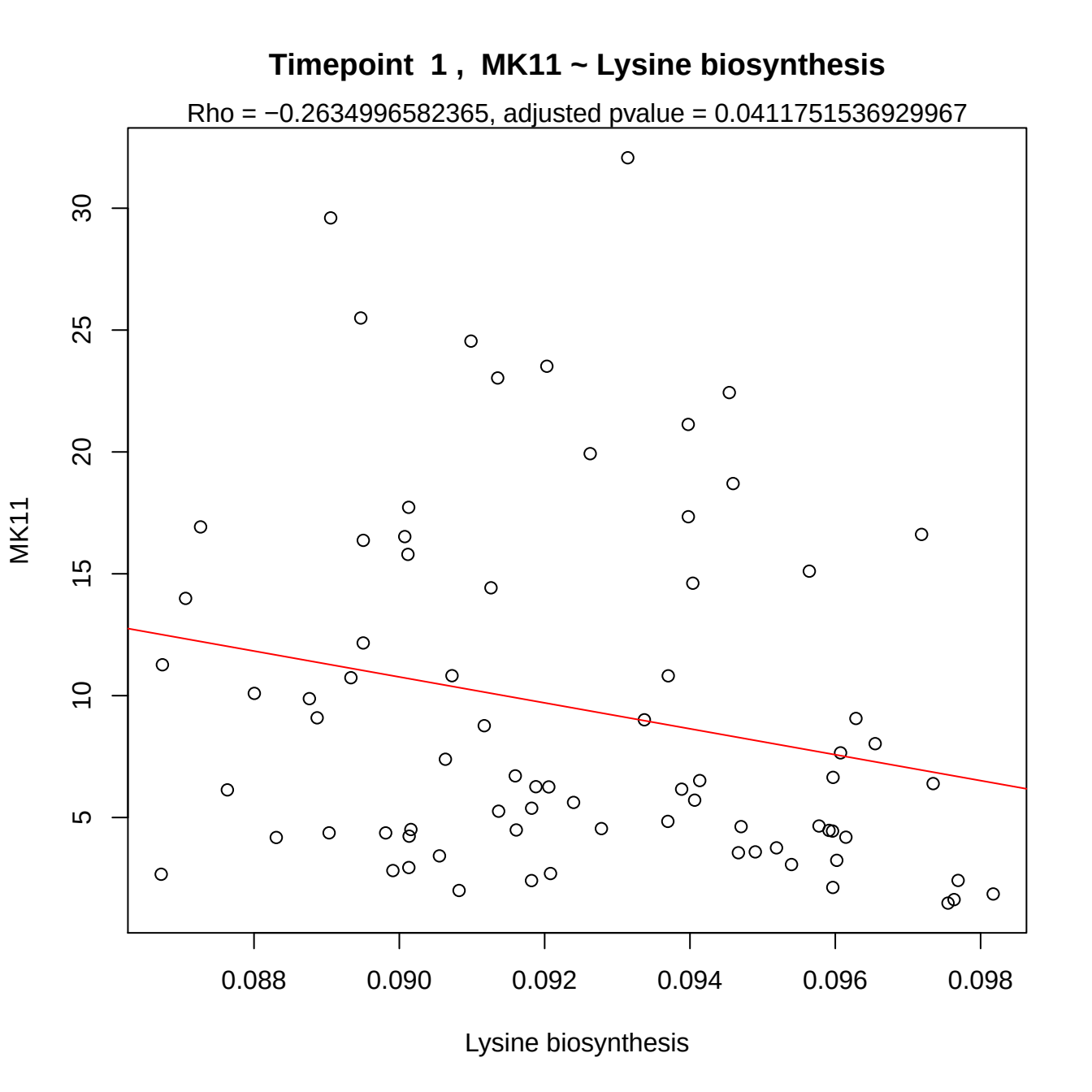

Timepoint 1 , MK11 ~ Glycerophospholipid metabolism
Rho = −0.274357221725643, adjusted pvalue = 0.0339259684421699
MK11
5
10
15
20
25
30
0.068
0.070
0.072
0.074
0.076
0.078
Glycerophospholipid metabolism

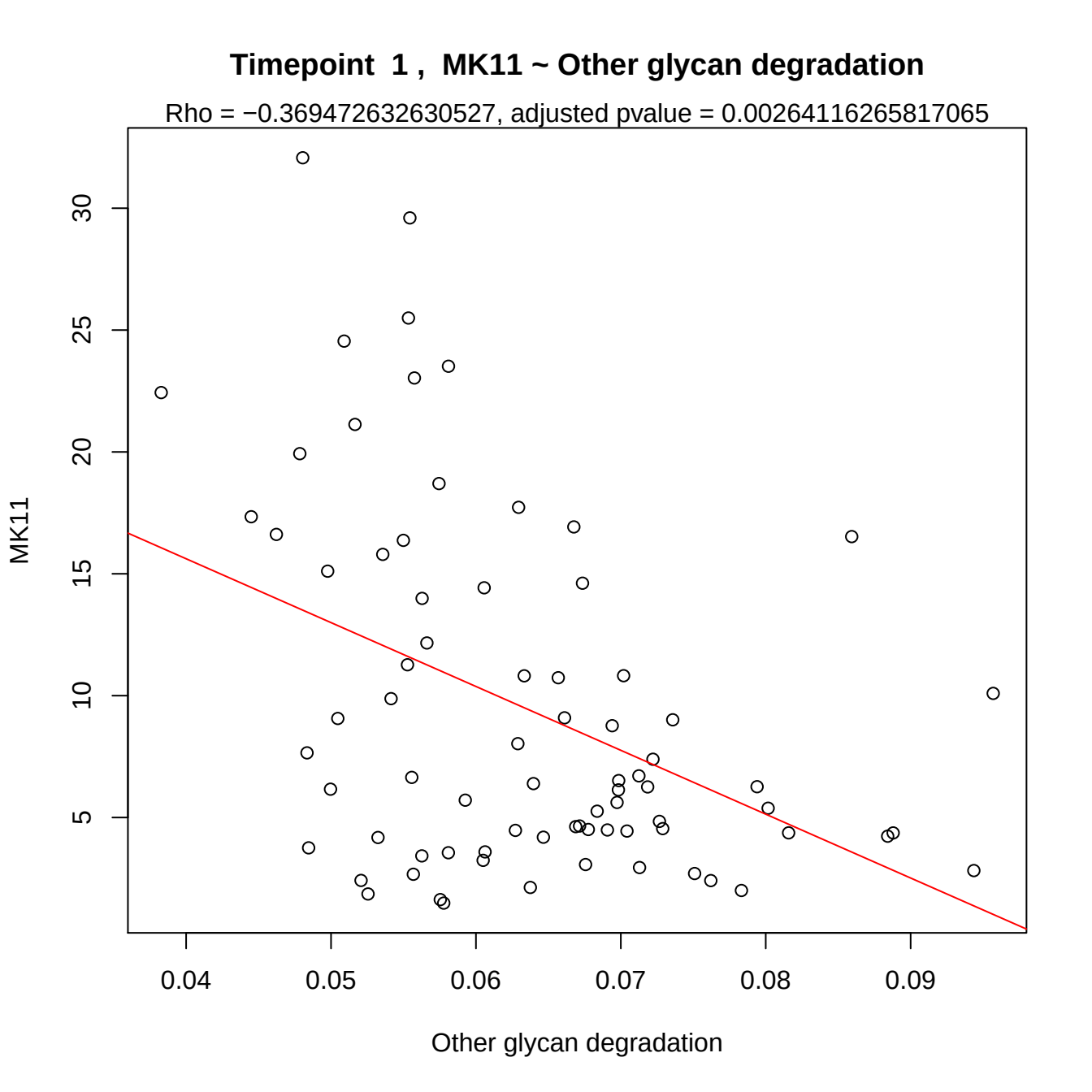

Timepoint 1 , MK11 ~ Glycosphingolipid biosynthesis − lacto and neolacto s
Rho = −0.51856038698144, adjusted pvalue = 4.9655113311234e−05
MK11
5
10
15
20
25
30
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

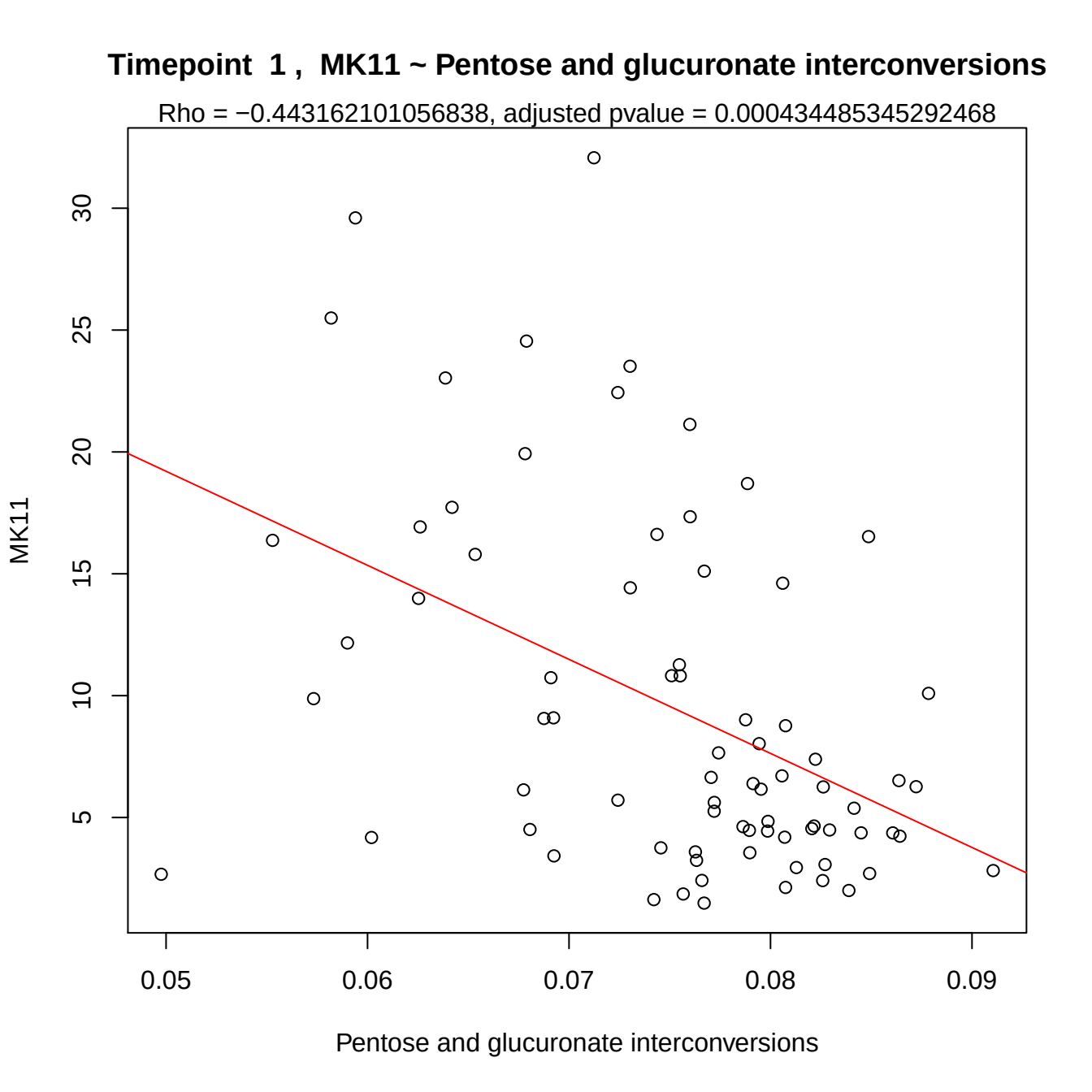

Timepoint 1 , MK11 ~ Glyoxylate and dicarboxylate metabolism
Rho = −0.503759398496241, adjusted pvalue = 5.61286249254392e−05
MK11
5
10
15
20
25
30
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

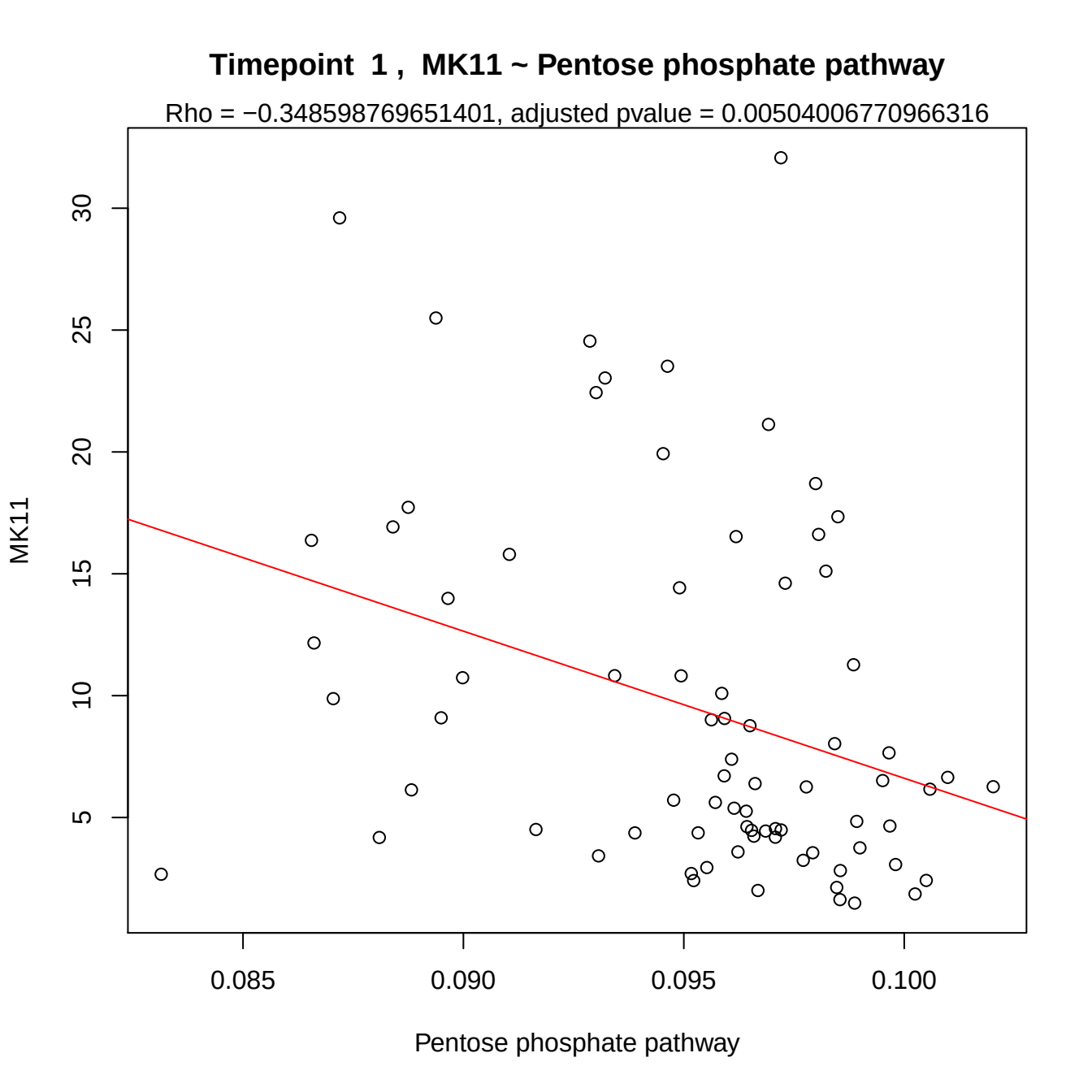

Timepoint 1 , MK11 ~ Histidine metabolism
Rho = −0.342026394657974, adjusted pvalue = 0.00567344620942349
MK11
5
10
15
20
25
30
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

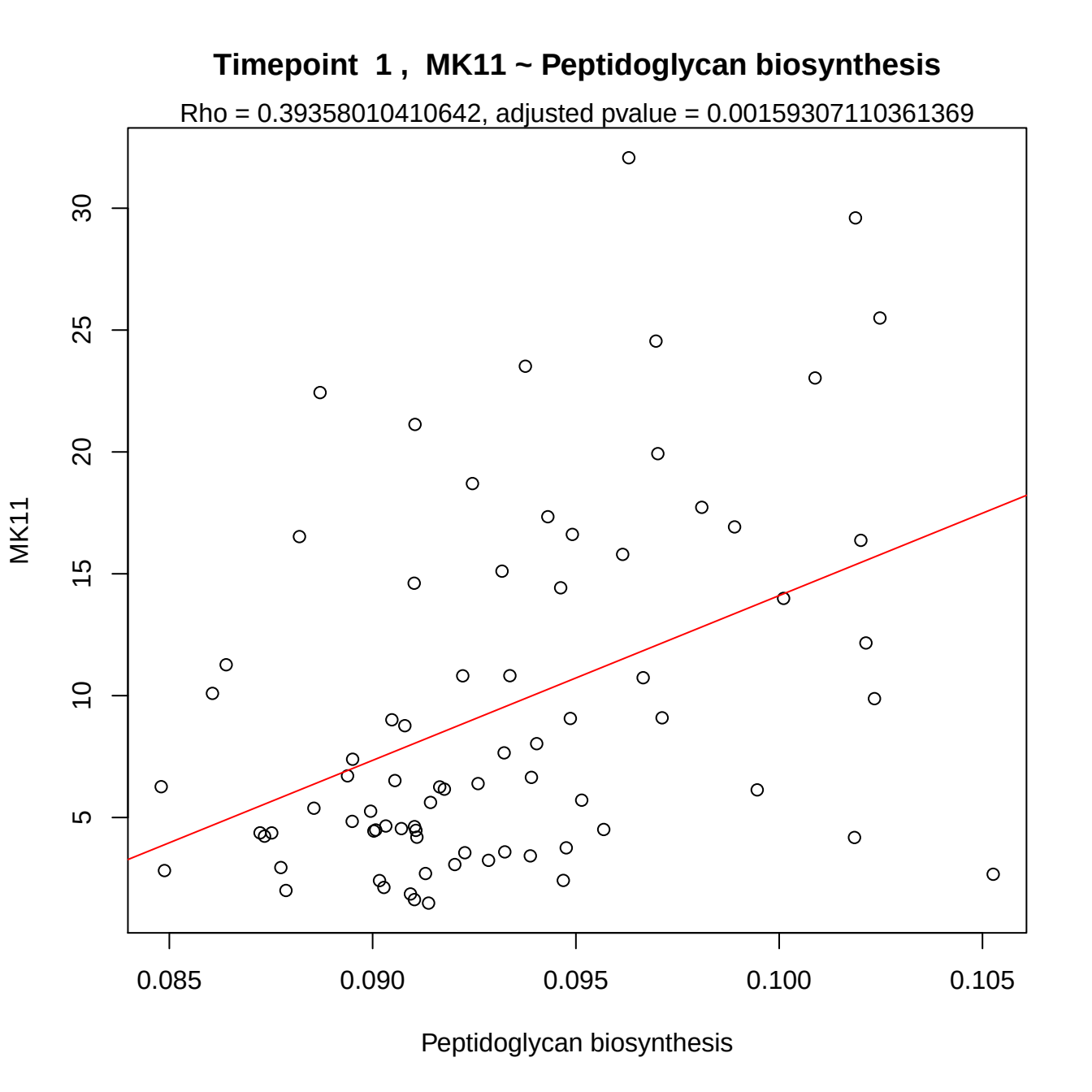

Timepoint 1 , MK11 ~ Inositol phosphate metabolism
Rho = −0.420474262579526, adjusted pvalue = 0.000891975530337125
MK11
5
10
15
20
25
30
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

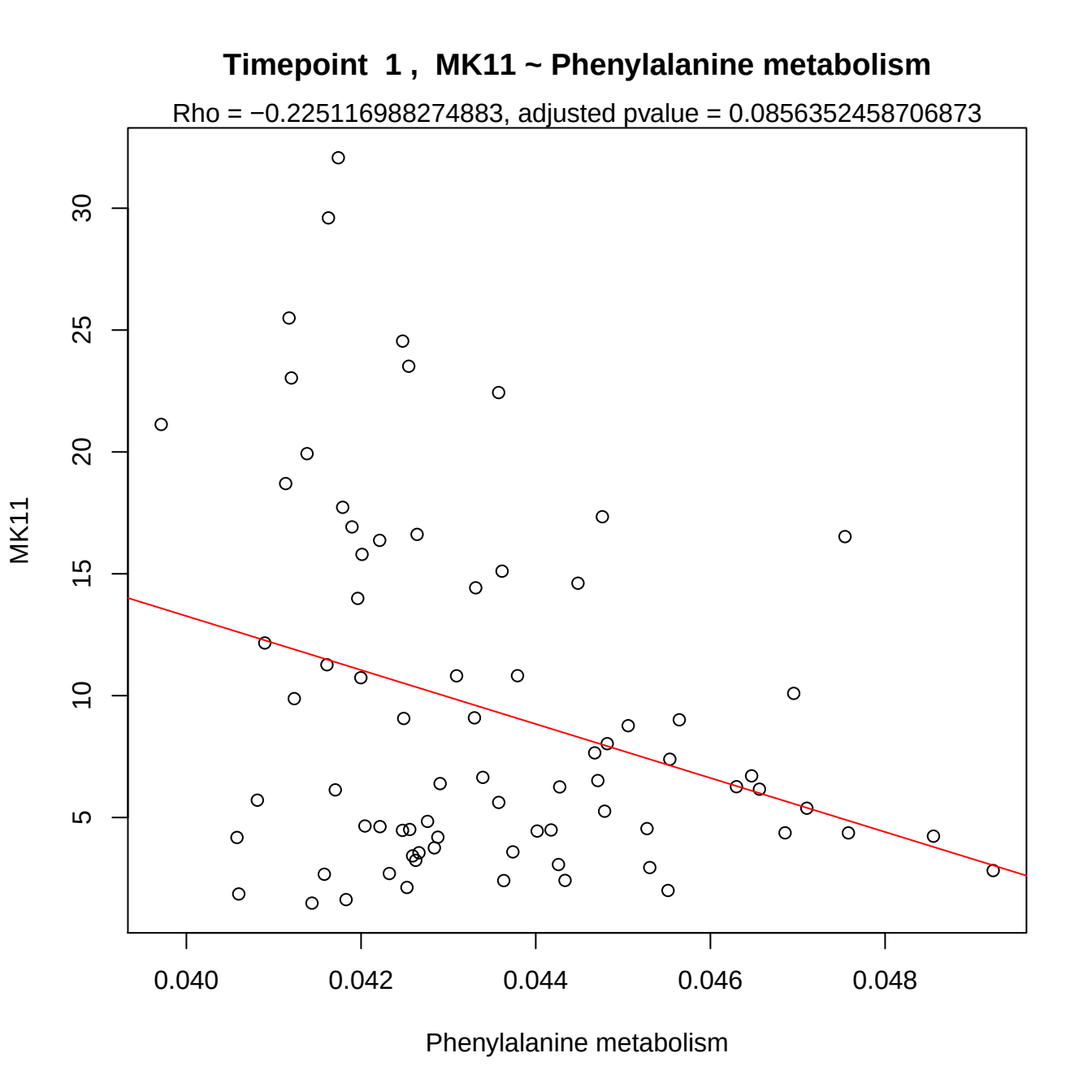

Timepoint 1 , MK11 ~ Lysine biosynthesis
Rho = −0.2634996582365, adjusted pvalue = 0.0411751536929967
MK11
5
10
15
20
25
30
0.088
0.090
0.092
0.094
0.096
0.098
Lysine biosynthesis

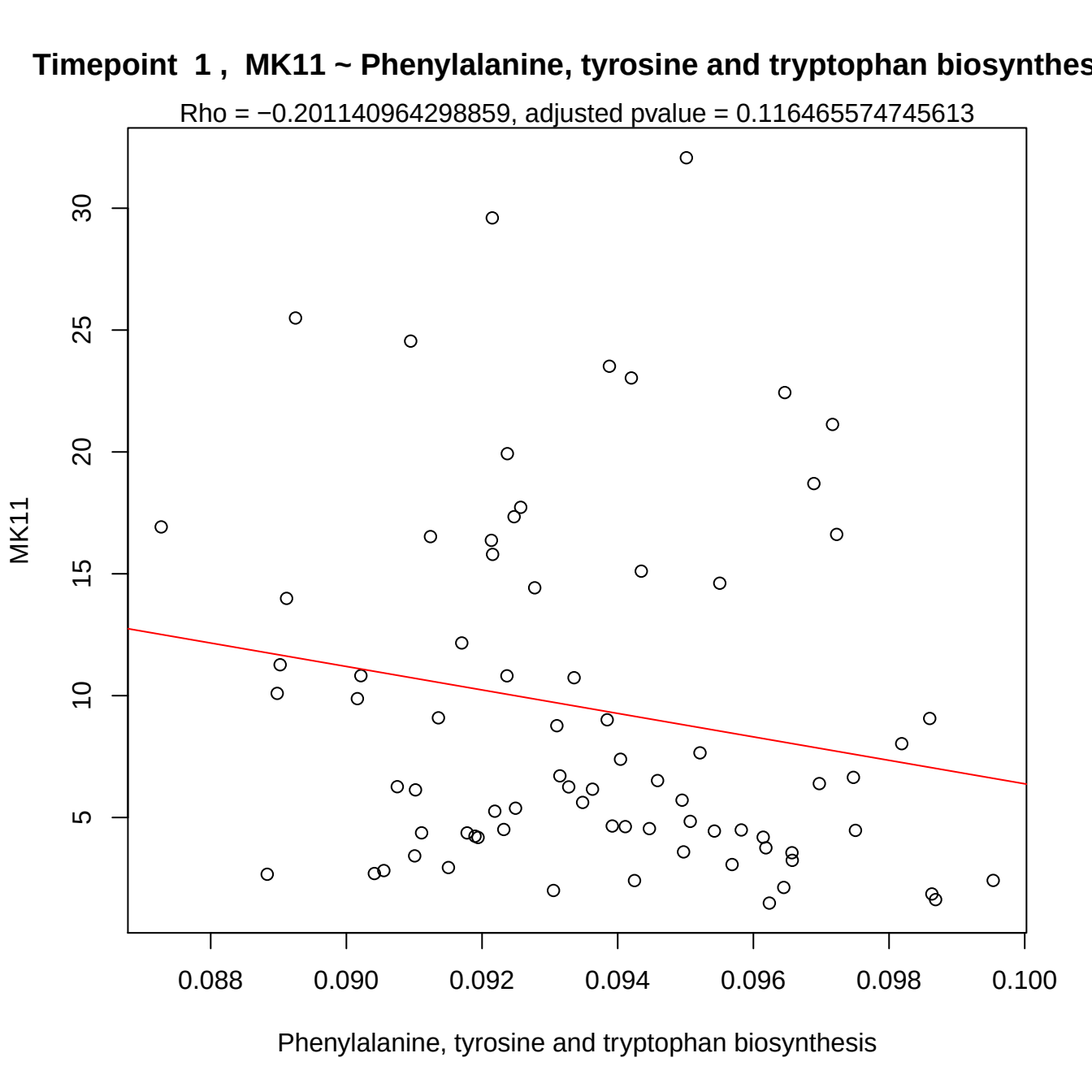

Timepoint 1 , MK11 ~ Other glycan degradation
Rho = −0.369472632630527, adjusted pvalue = 0.00264116265817065
MK11
5
10
15
20
25
30
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

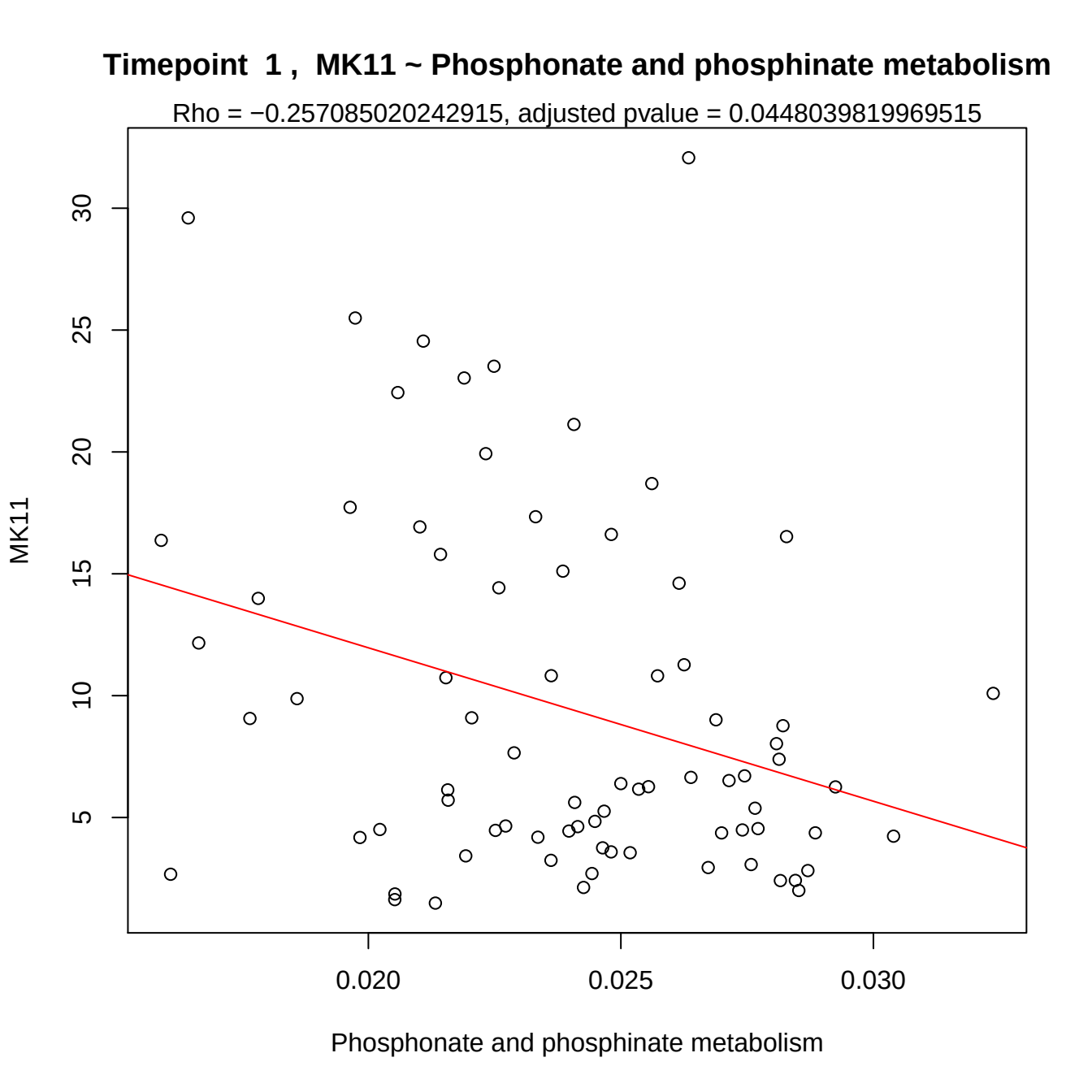

Timepoint 1 , MK11 ~ Pentose and glucuronate interconversions
Rho = −0.443162101056838, adjusted pvalue = 0.000434485345292468
MK11
5
10
15
20
25
30
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

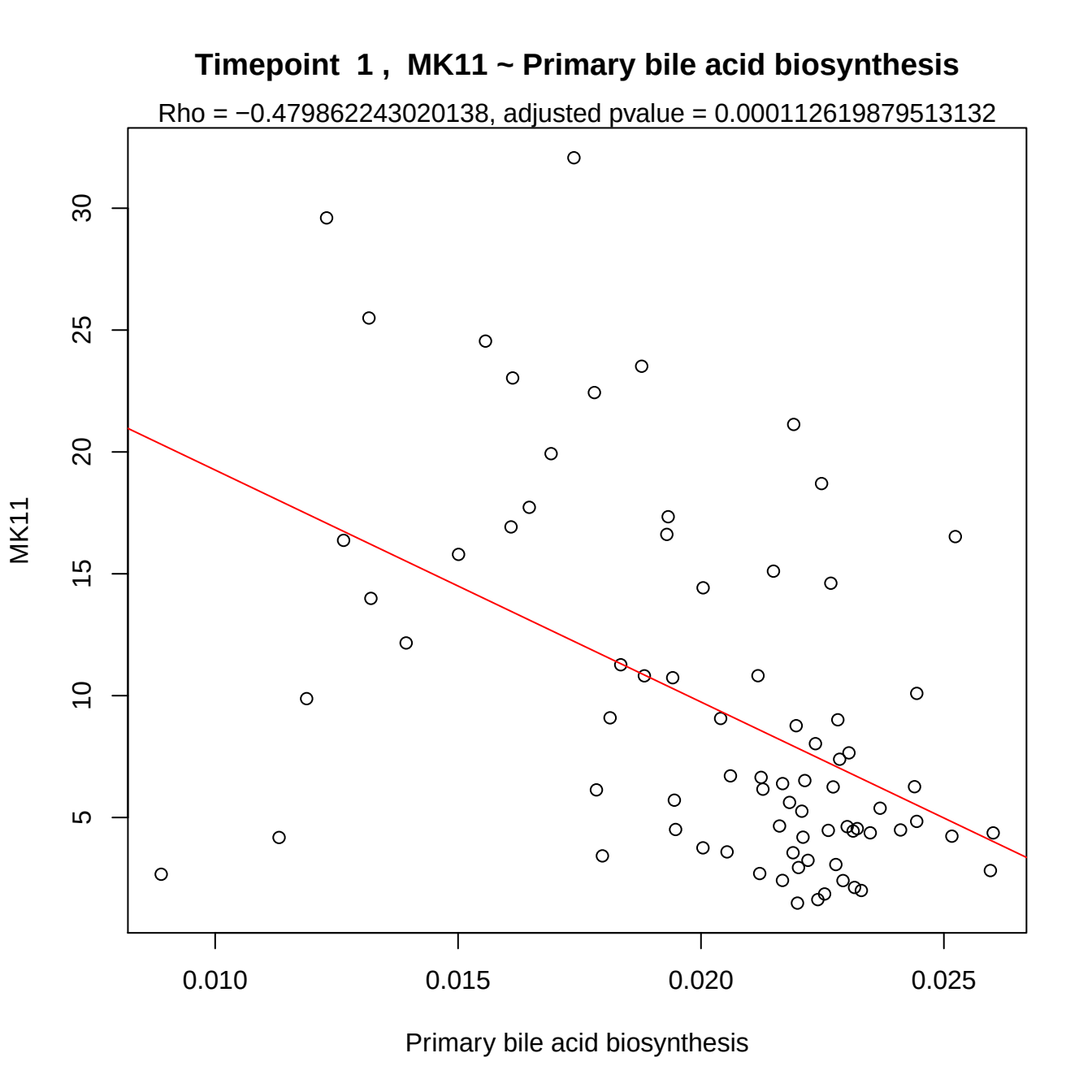

Timepoint 1 , MK11 ~ Pentose phosphate pathway
Rho = −0.348598769651401, adjusted pvalue = 0.00504006770966316
MK11
5
10
15
20
25
30
0.085
0.090
0.095
0.100
Pentose phosphate pathway

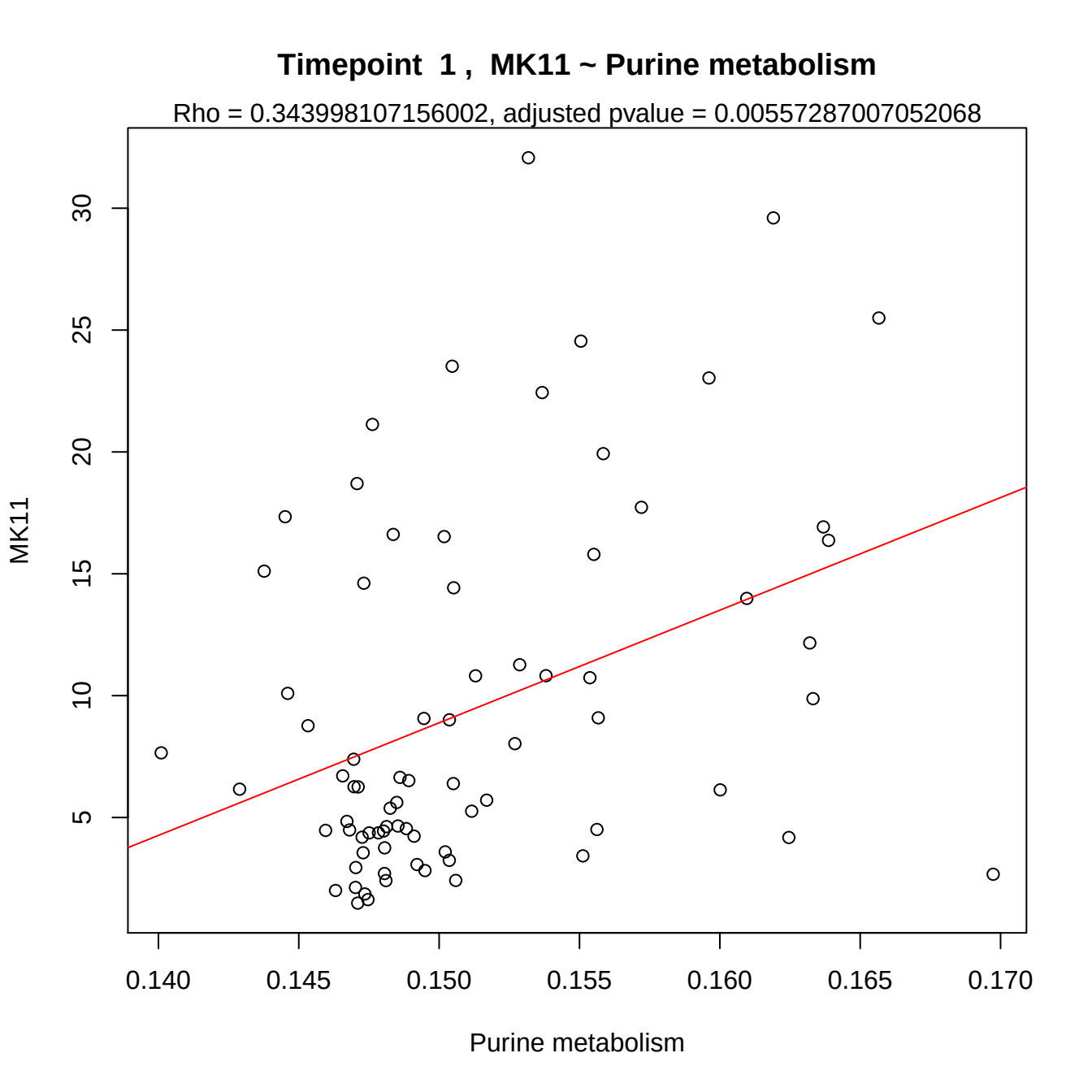

Timepoint 1 , MK11 ~ Peptidoglycan biosynthesis
Rho = 0.39358010410642, adjusted pvalue = 0.00159307110361369
MK11
5
10
15
20
25
30
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

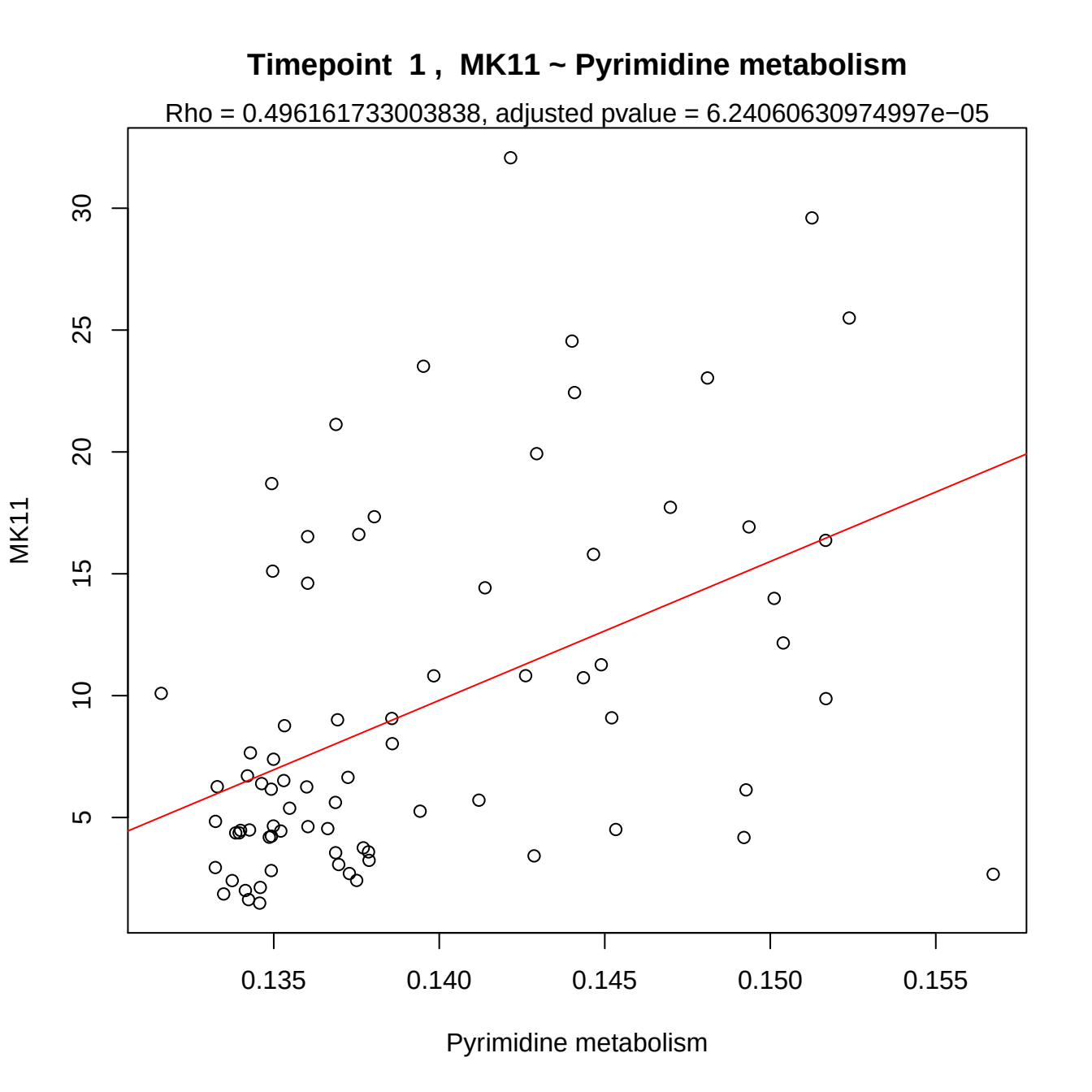

Timepoint 1 , MK11 ~ Phenylalanine metabolism
Rho = −0.225116988274883, adjusted pvalue = 0.0856352458706873
MK11
5
10
15
20
25
30
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

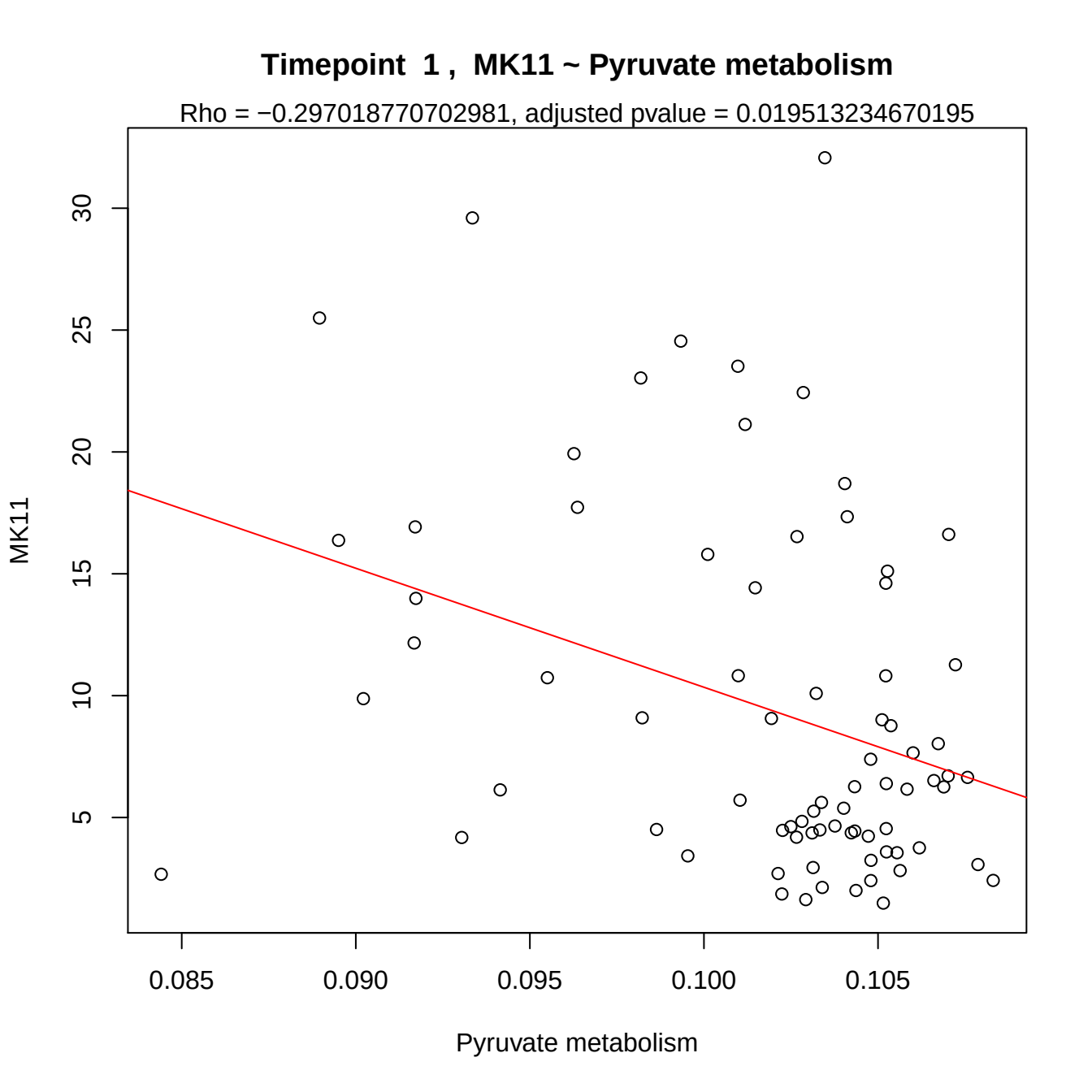

Timepoint 1 , MK11 ~ Phenylalanine, tyrosine and tryptophan biosynthes
Rho = −0.201140964298859, adjusted pvalue = 0.116465574745613
MK11
5
10
15
20
25
30
0.088
0.090
0.092
0.094
0.096
0.098
0.100
Phenylalanine, tyrosine and tryptophan biosynthesis

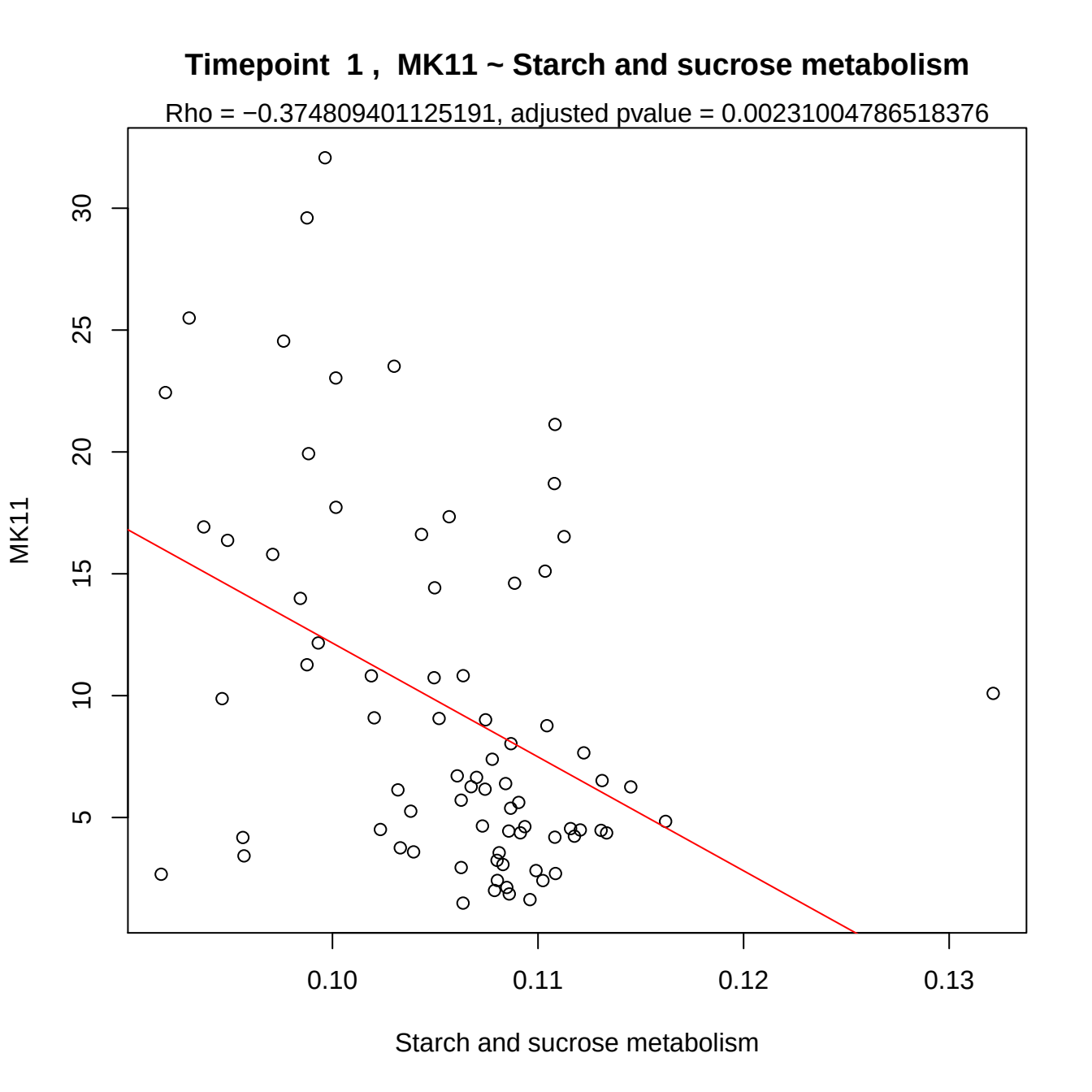

Timepoint 1 , MK11 ~ Phosphonate and phosphinate metabolism
Rho = −0.257085020242915, adjusted pvalue = 0.0448039819969515
MK11
5
10
15
20
25
30
0.020
0.025
0.030
Phosphonate and phosphinate metabolism

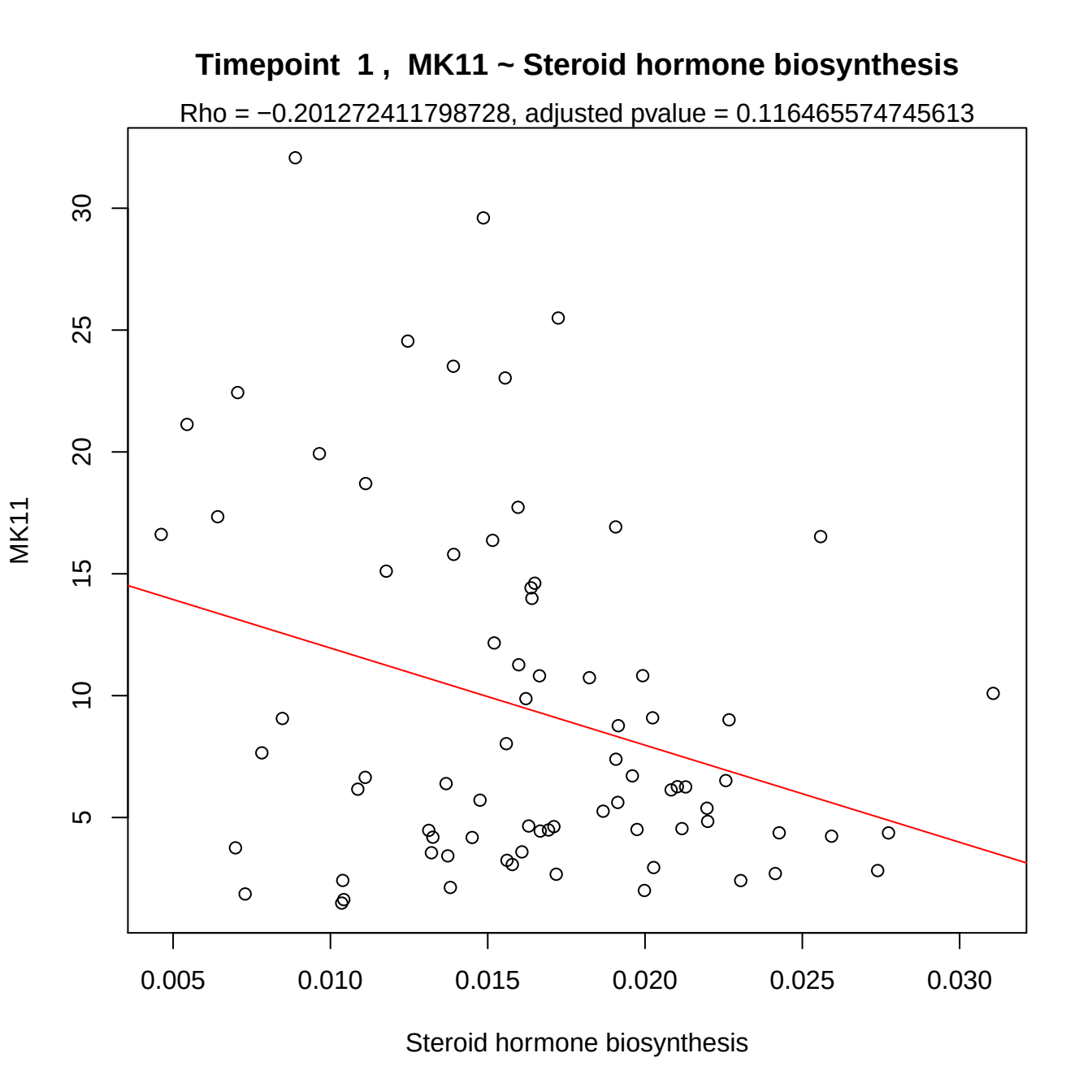

Timepoint 1 , MK11 ~ Primary bile acid biosynthesis
Rho = −0.479862243020138, adjusted pvalue = 0.000112619879513132
MK11
5
10
15
20
25
30
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

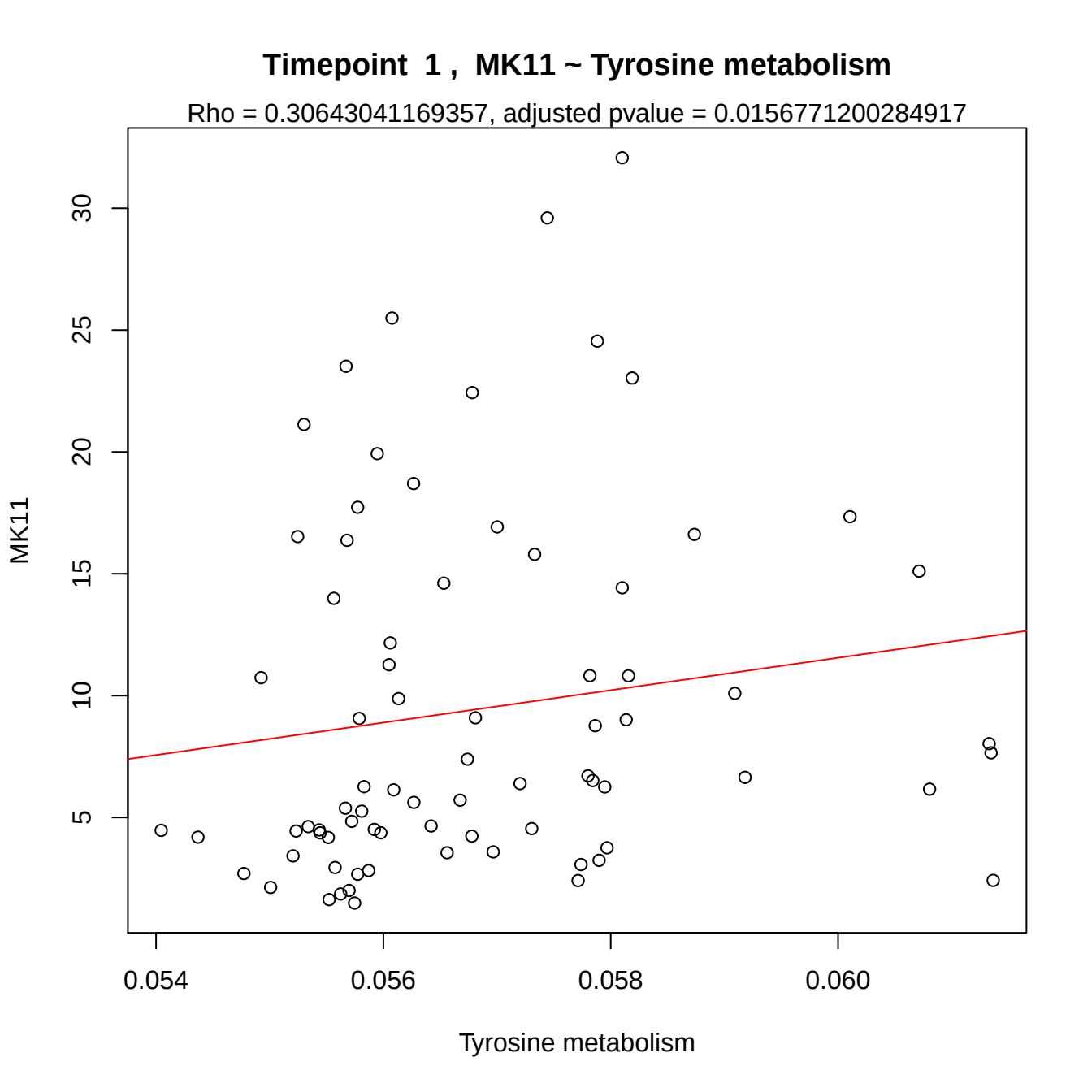

Timepoint 1 , MK11 ~ Purine metabolism
Rho = 0.343998107156002, adjusted pvalue = 0.00557287007052068
MK11
5
10
15
20
25
30
0.140
0.145
0.150
0.155
0.160
0.165
0.170
Purine metabolism

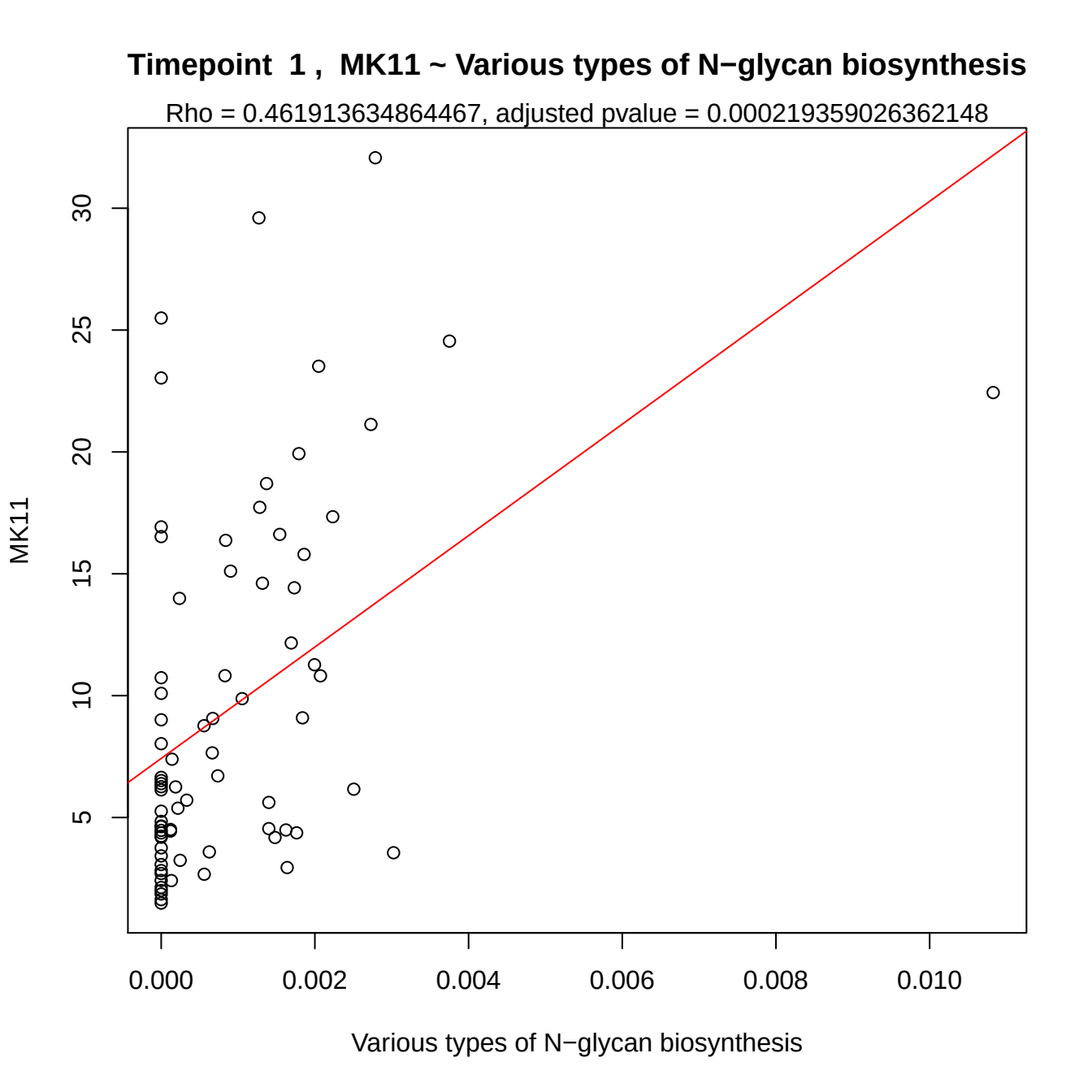

Timepoint 1 , MK11 ~ Pyrimidine metabolism
Rho = 0.496161733003838, adjusted pvalue = 6.24060630974997e−05
MK11
5
10
15
20
25
30
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

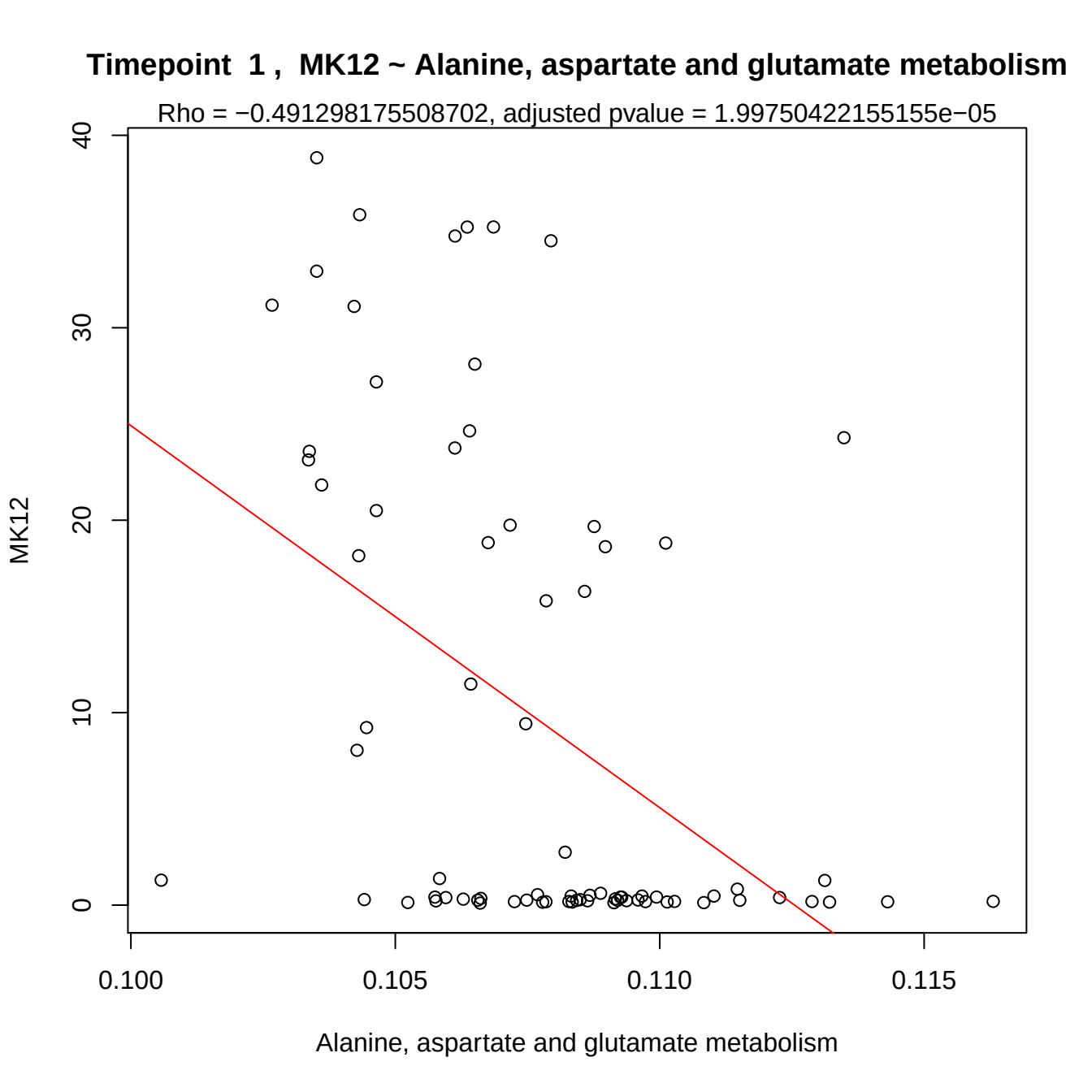

Timepoint 1 , MK11 ~ Pyruvate metabolism
Rho = −0.297018770702981, adjusted pvalue = 0.019513234670195
MK11
5
10
15
20
25
30
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

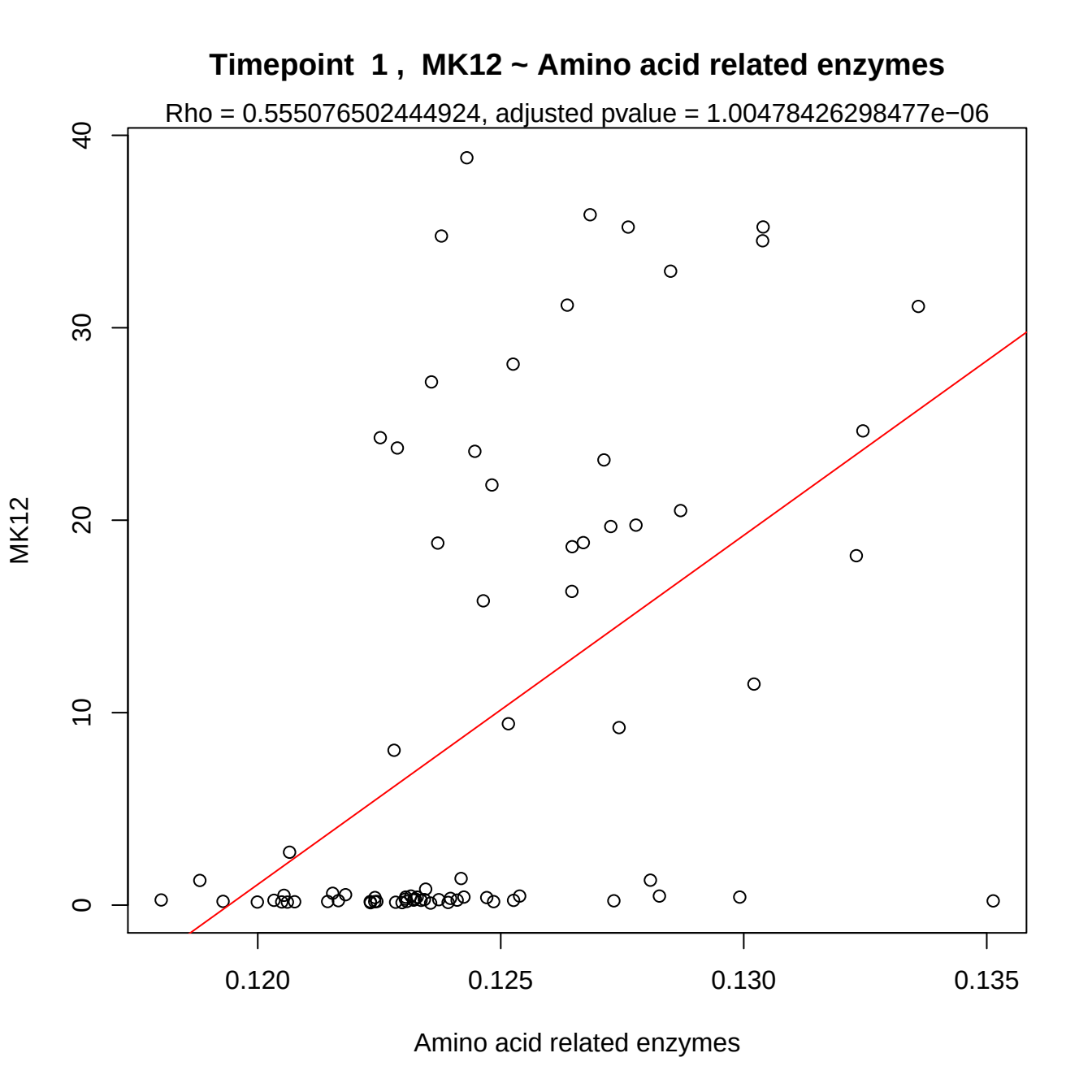

Timepoint 1 , MK11 ~ Starch and sucrose metabolism
Rho = −0.374809401125191, adjusted pvalue = 0.00231004786518376
MK11
5
10
15
20
25
30
0.10
0.11
0.12
0.13
Starch and sucrose metabolism

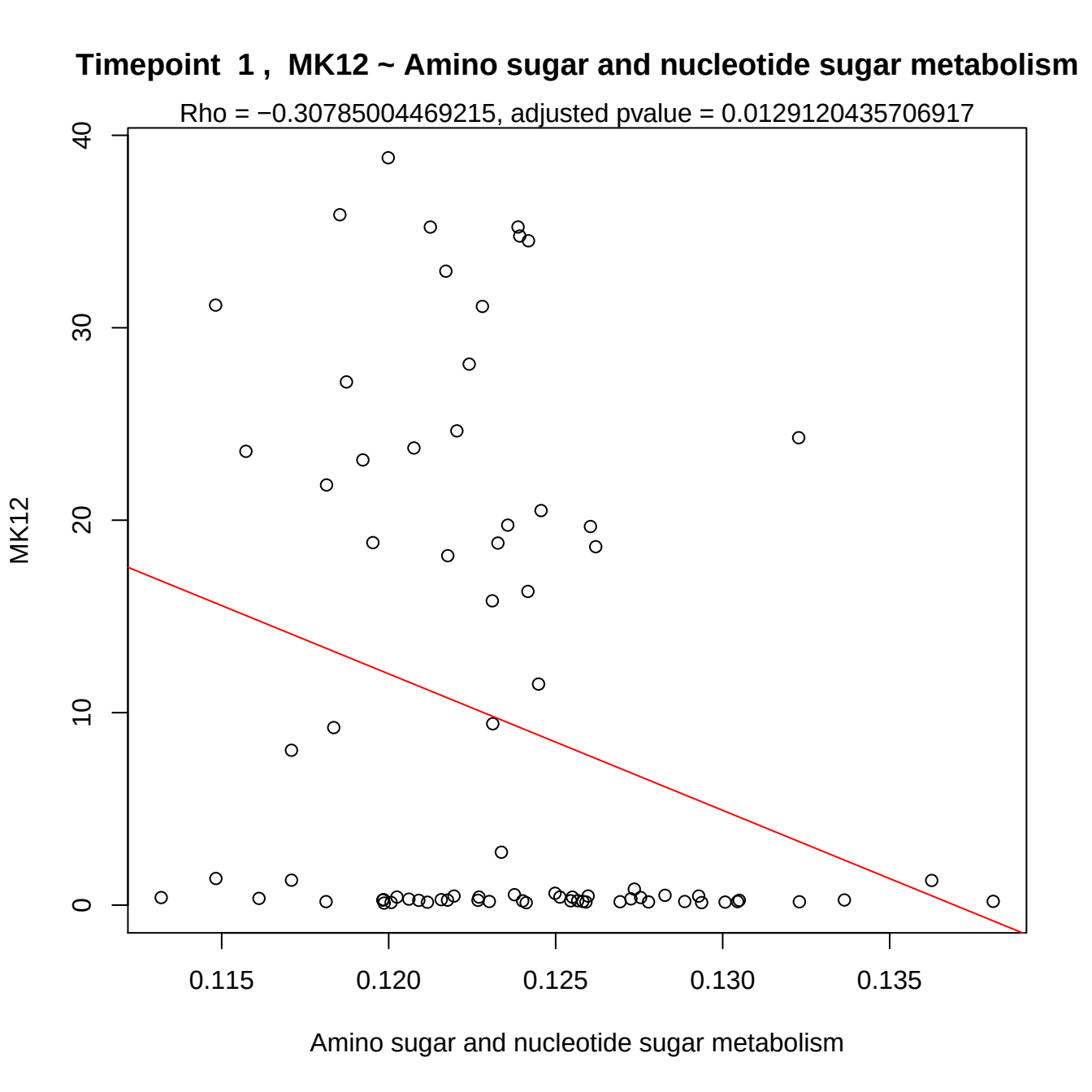

Timepoint 1 , MK11 ~ Steroid hormone biosynthesis
Rho = −0.201272411798728, adjusted pvalue = 0.116465574745613
MK11
5
10
15
20
25
30
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis

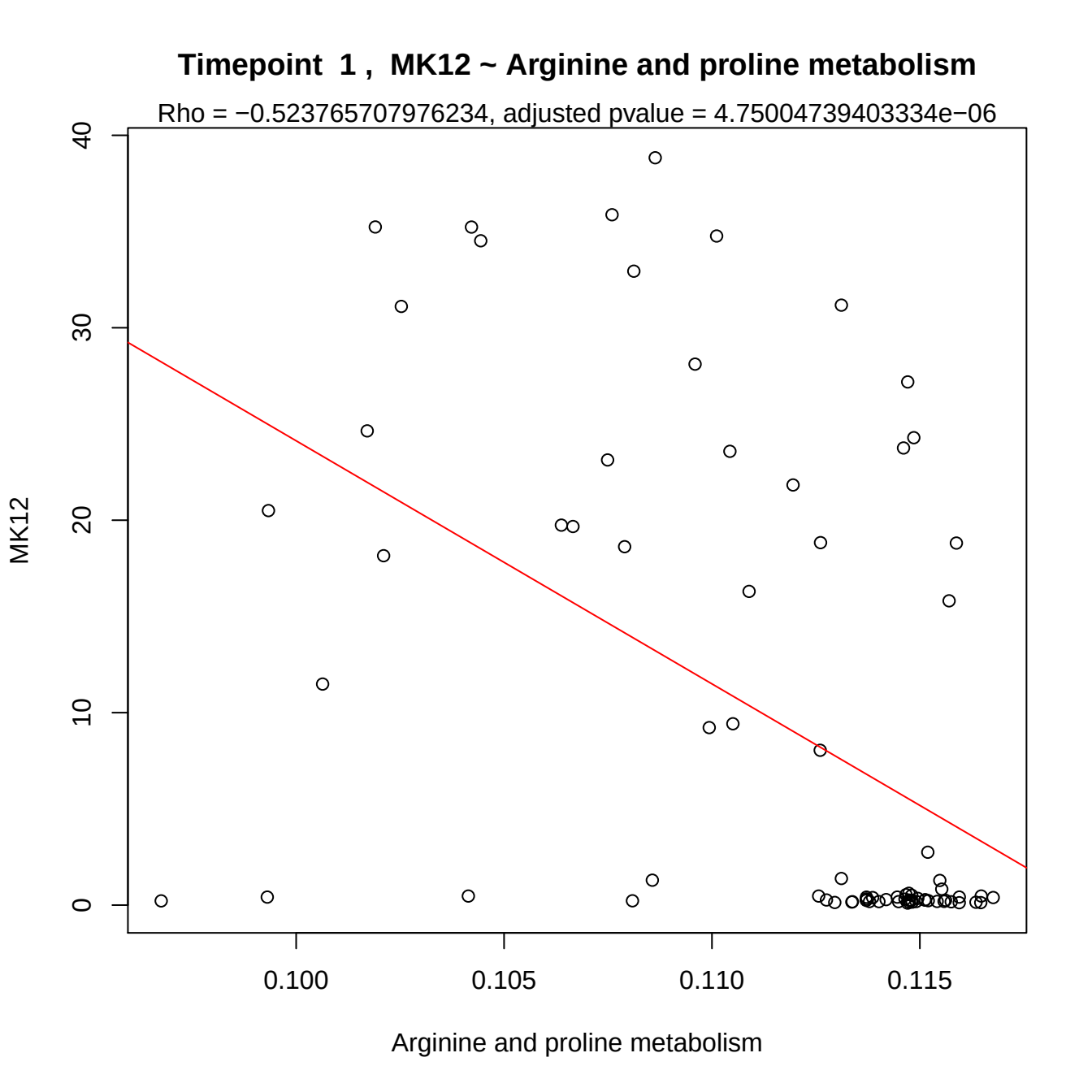

Timepoint 1 , MK11 ~ Tyrosine metabolism
Rho = 0.30643041169357, adjusted pvalue = 0.0156771200284917
MK11
5
10
15
20
25
30
0.054
0.056
0.058
0.060
Tyrosine metabolism

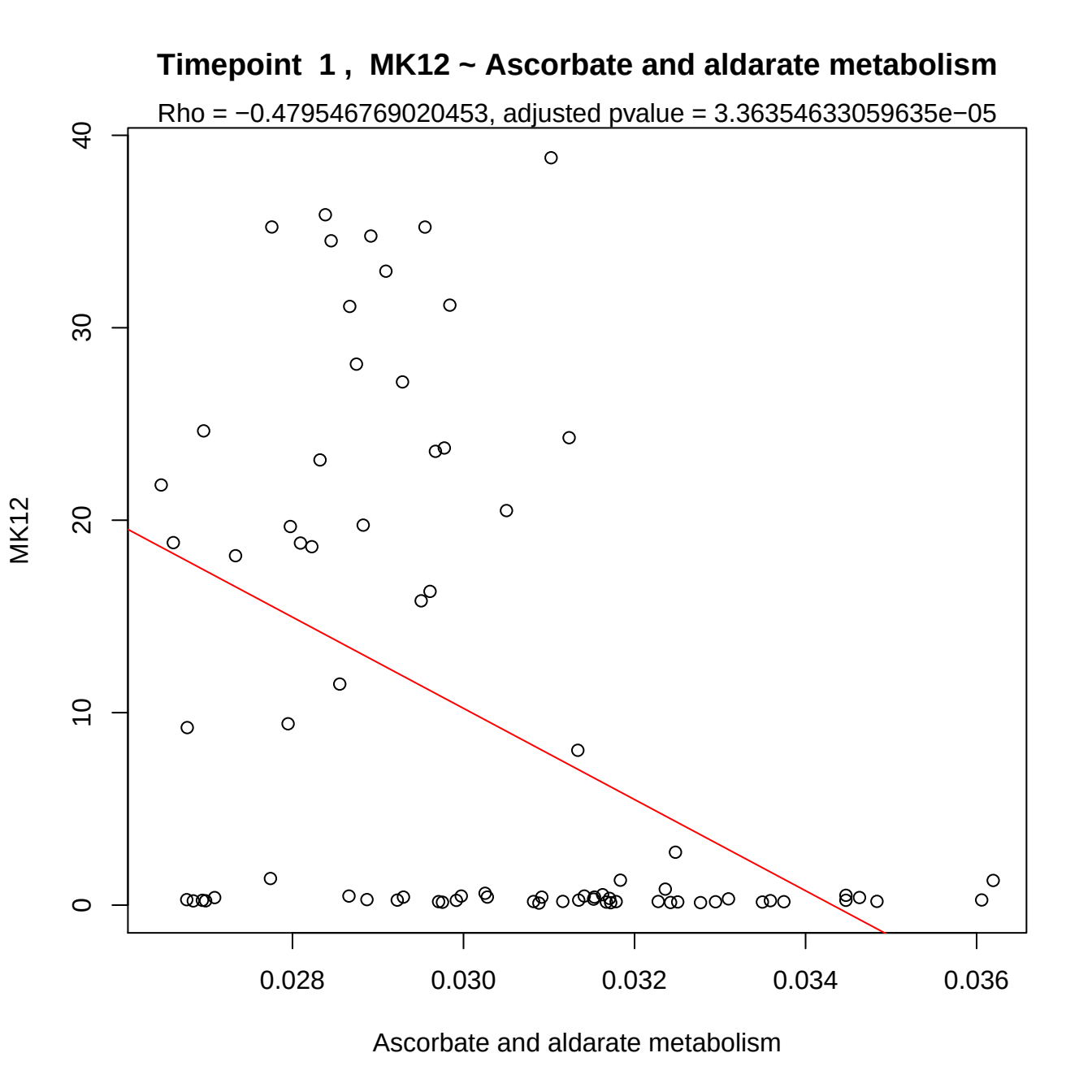

Timepoint 1 , MK11 ~ Various types of N−glycan biosynthesis
Rho = 0.461913634864467, adjusted pvalue = 0.000219359026362148
MK11
5
10
15
20
25
30
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

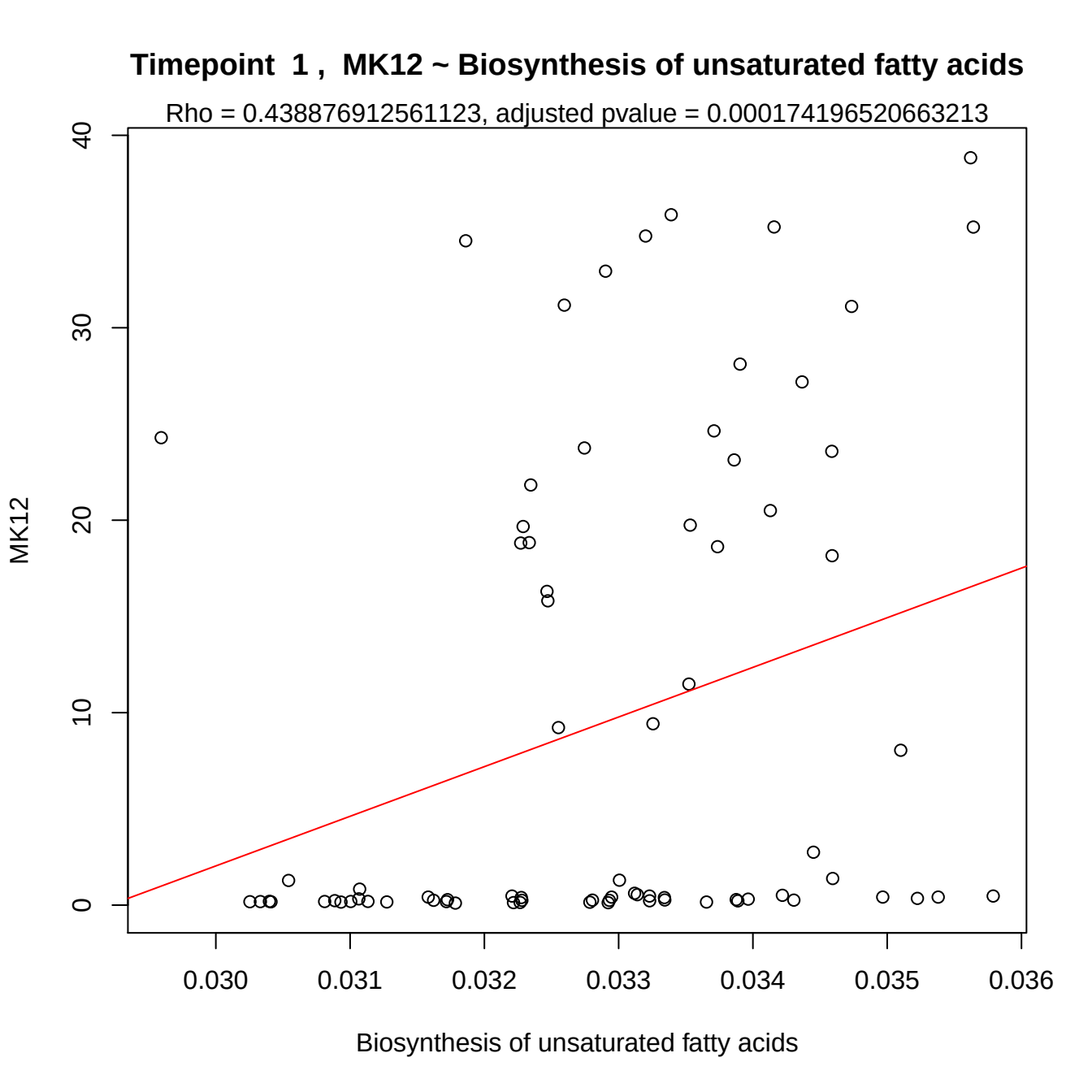

Timepoint 1 , MK12 ~ Alanine, aspartate and glutamate metabolism
Rho = −0.491298175508702, adjusted pvalue = 1.99750422155155e−05
MK12
0
10
20
30
40
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

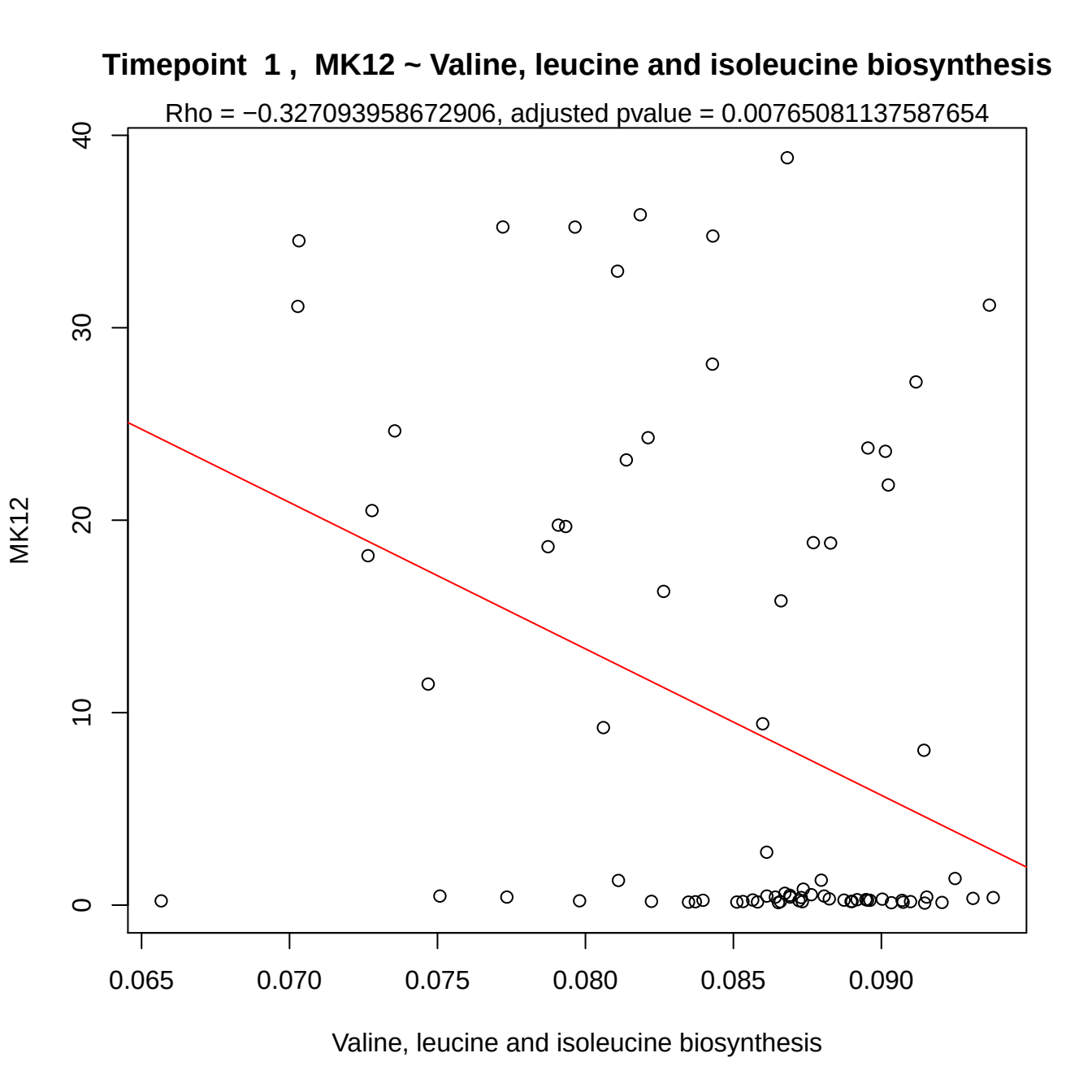

Timepoint 1 , MK12 ~ Amino acid related enzymes
Rho = 0.555076502444924, adjusted pvalue = 1.00478426298477e−06
MK12
0
10
20
30
40
0.120
0.125
0.130
0.135
Amino acid related enzymes

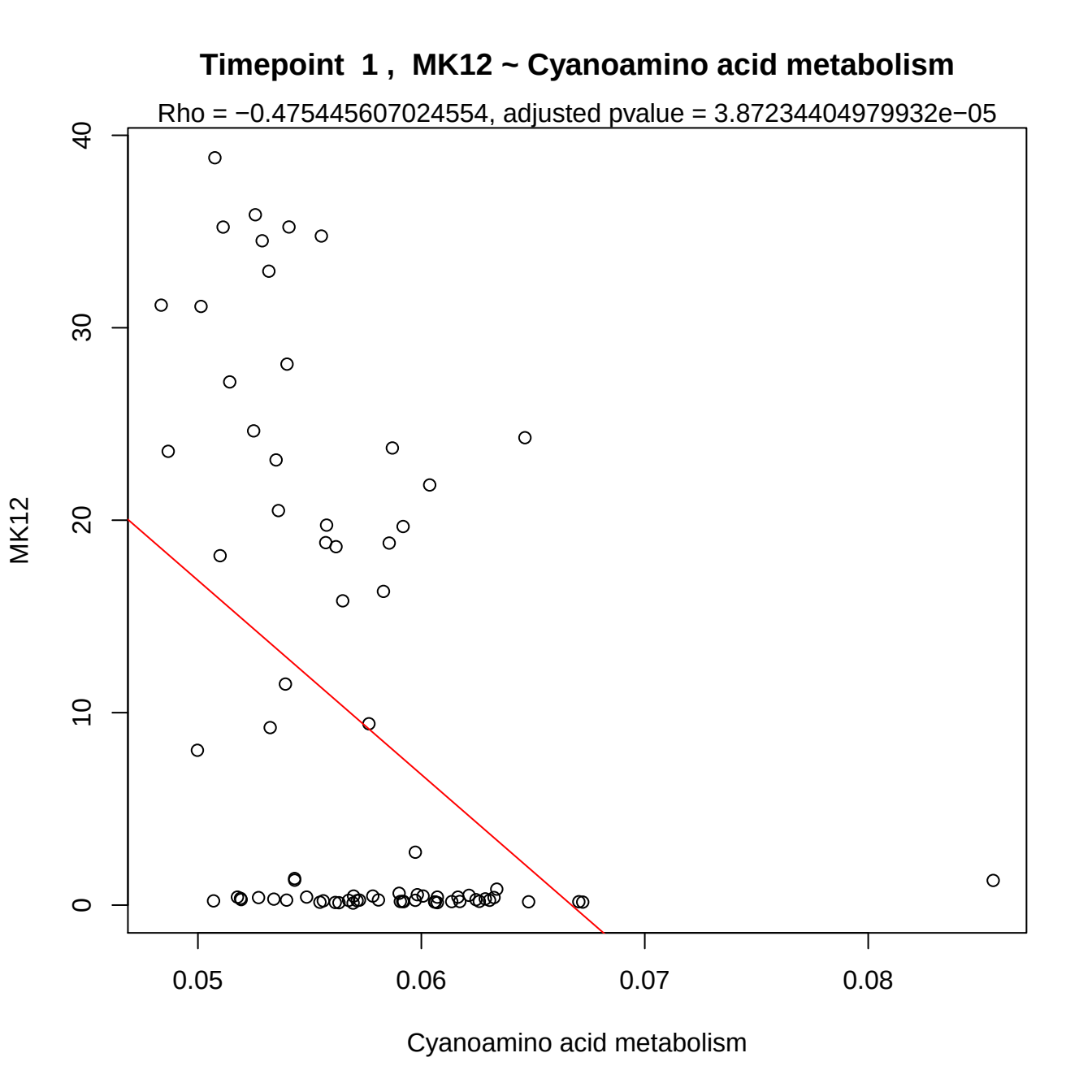

Timepoint 1 , MK12 ~ Amino sugar and nucleotide sugar metabolism
Rho = −0.30785004469215, adjusted pvalue = 0.0129120435706917
MK12
0
10
20
30
40
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

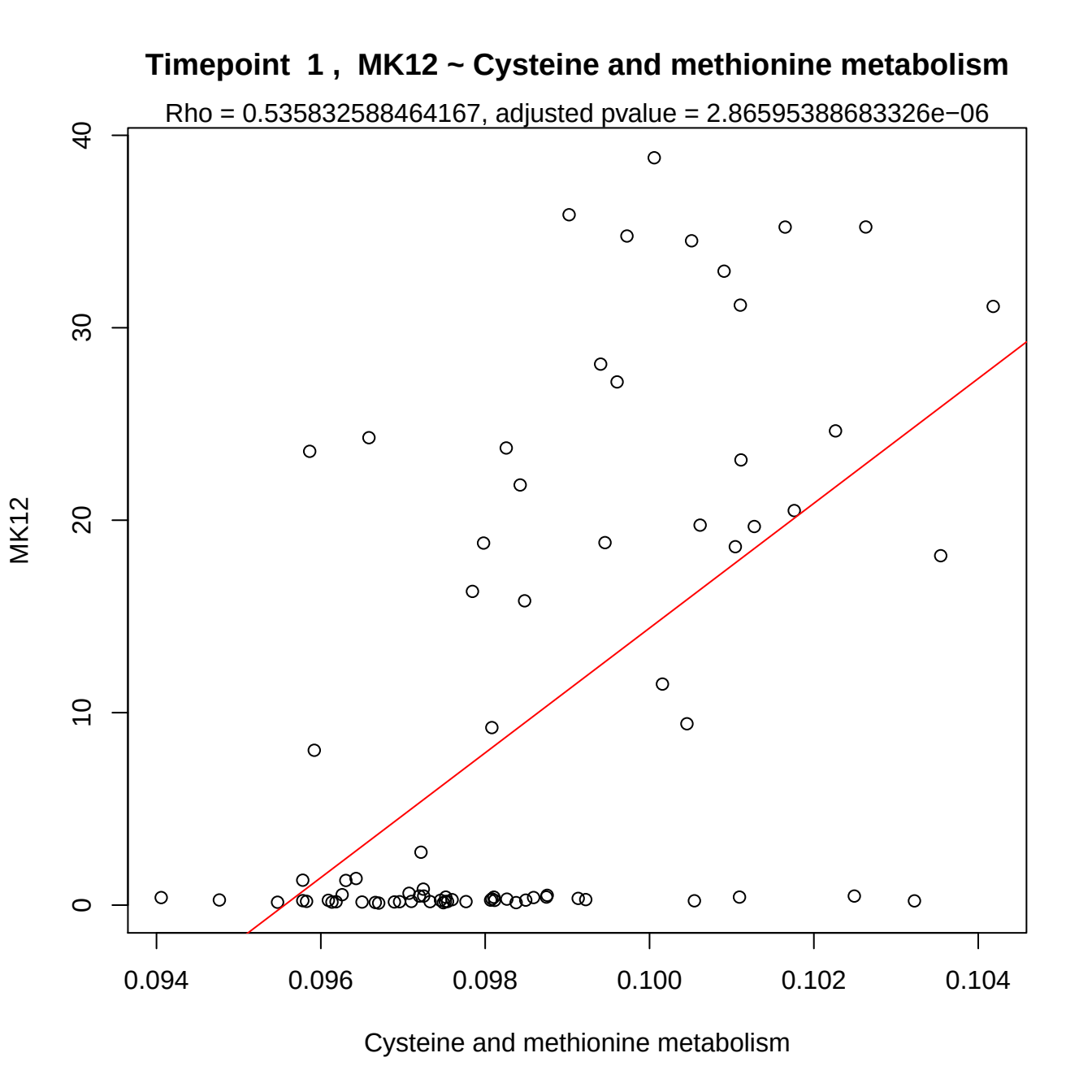

Timepoint 1 , MK12 ~ Arginine and proline metabolism
Rho = −0.523765707976234, adjusted pvalue = 4.75004739403334e−06
MK12
0
10
20
30
40
0.100
0.105
0.110
0.115
Arginine and proline metabolism

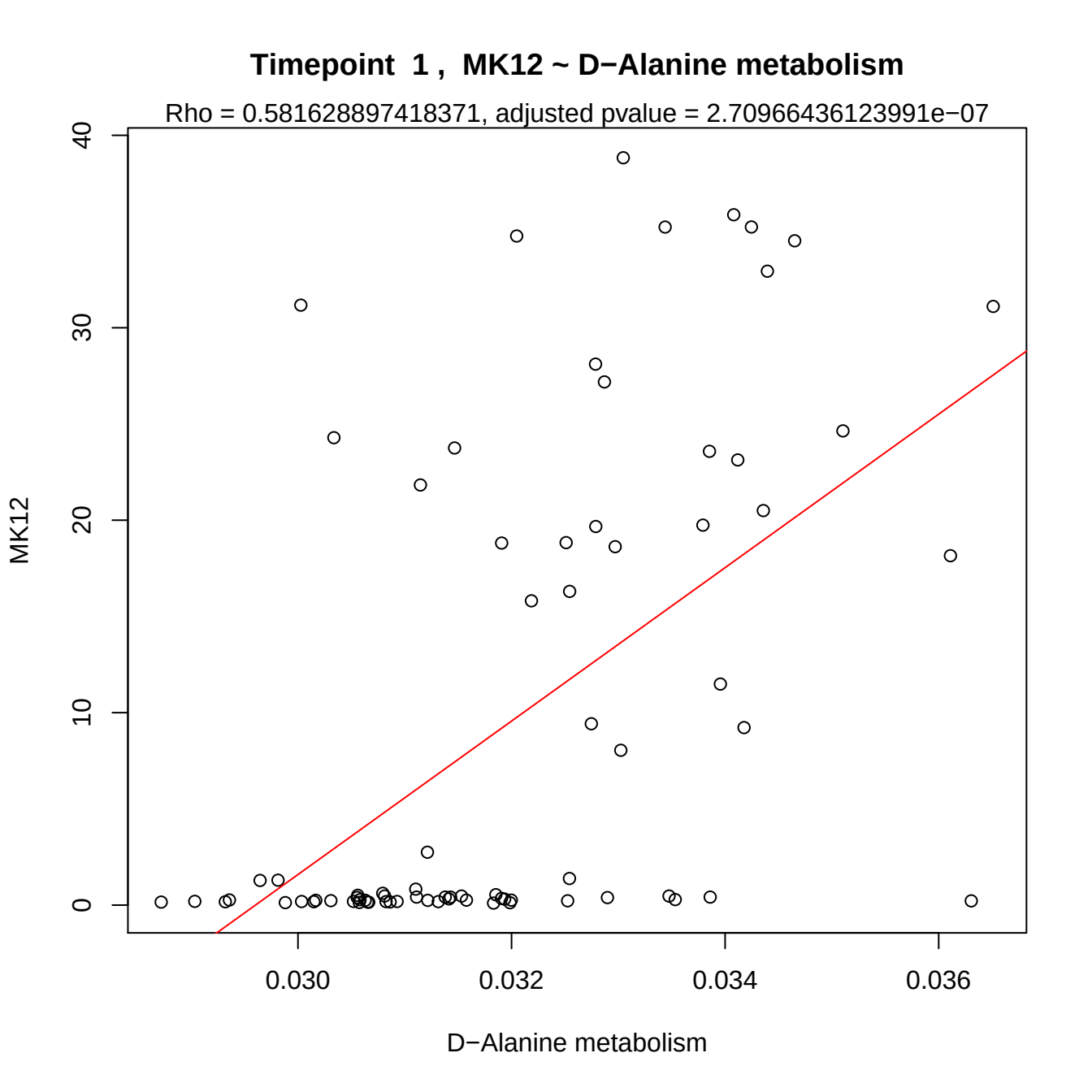

Timepoint 1 , MK12 ~ Ascorbate and aldarate metabolism
Rho = −0.479546769020453, adjusted pvalue = 3.36354633059635e−05
MK12
0
10
20
30
40
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

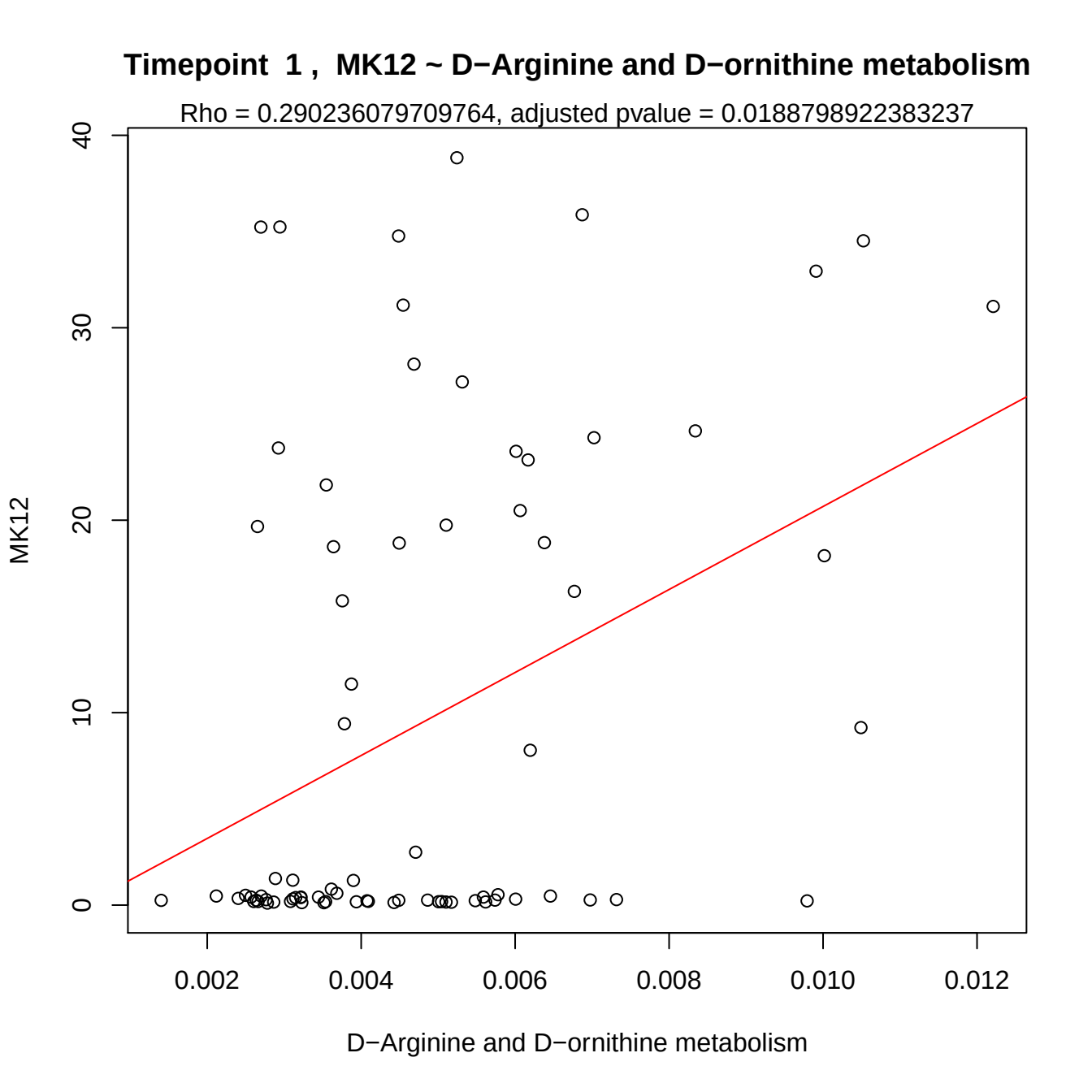

Timepoint 1 , MK12 ~ Biosynthesis of unsaturated fatty acids
Rho = 0.438876912561123, adjusted pvalue = 0.000174196520663213
MK12
0
10
20
30
40
0.030
0.031
0.032
0.033
0.034
0.035
0.036
Biosynthesis of unsaturated fatty acids

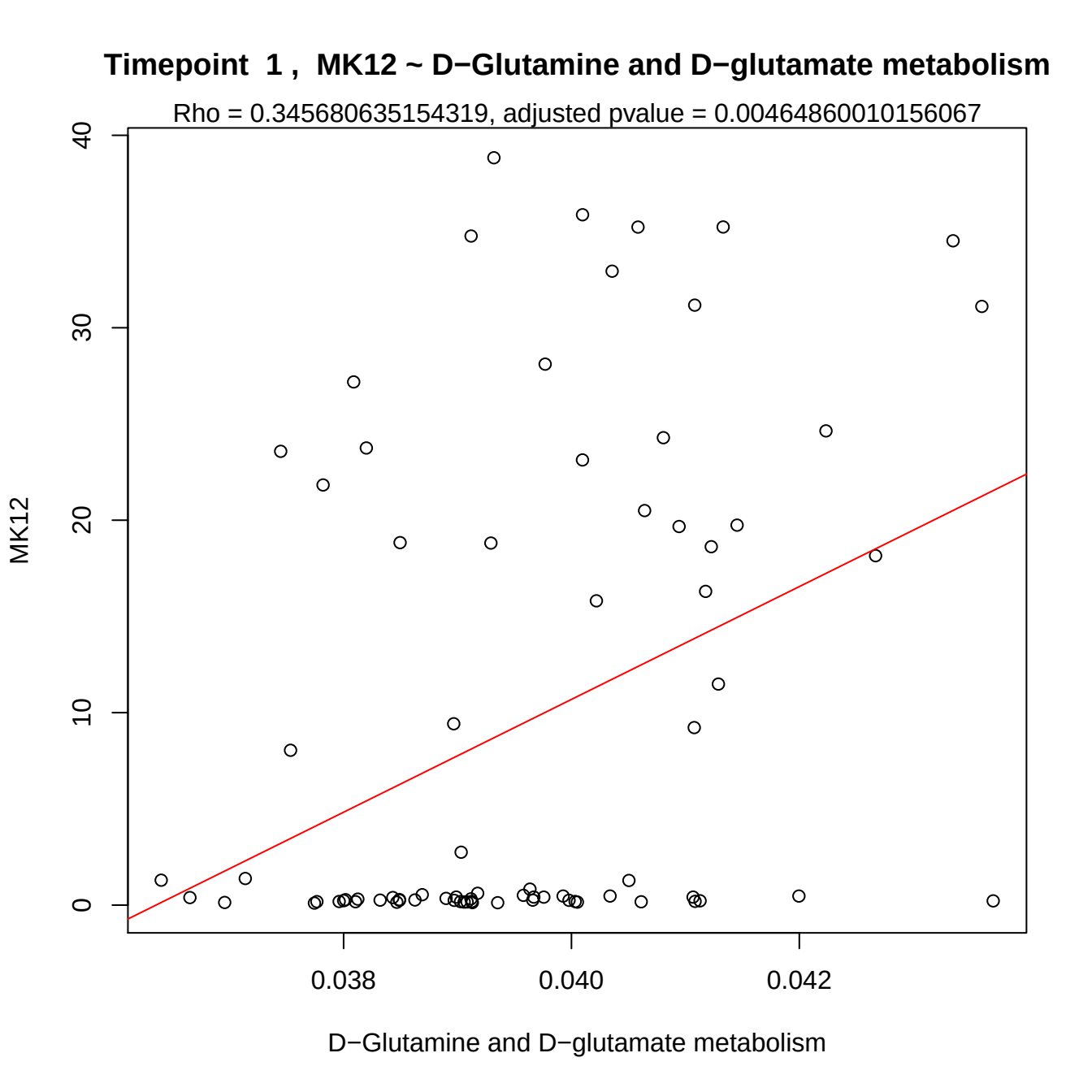

Timepoint 1 , MK12 ~ Valine, leucine and isoleucine biosynthesis
Rho = −0.327093958672906, adjusted pvalue = 0.00765081137587654
MK12
0
10
20
30
40
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

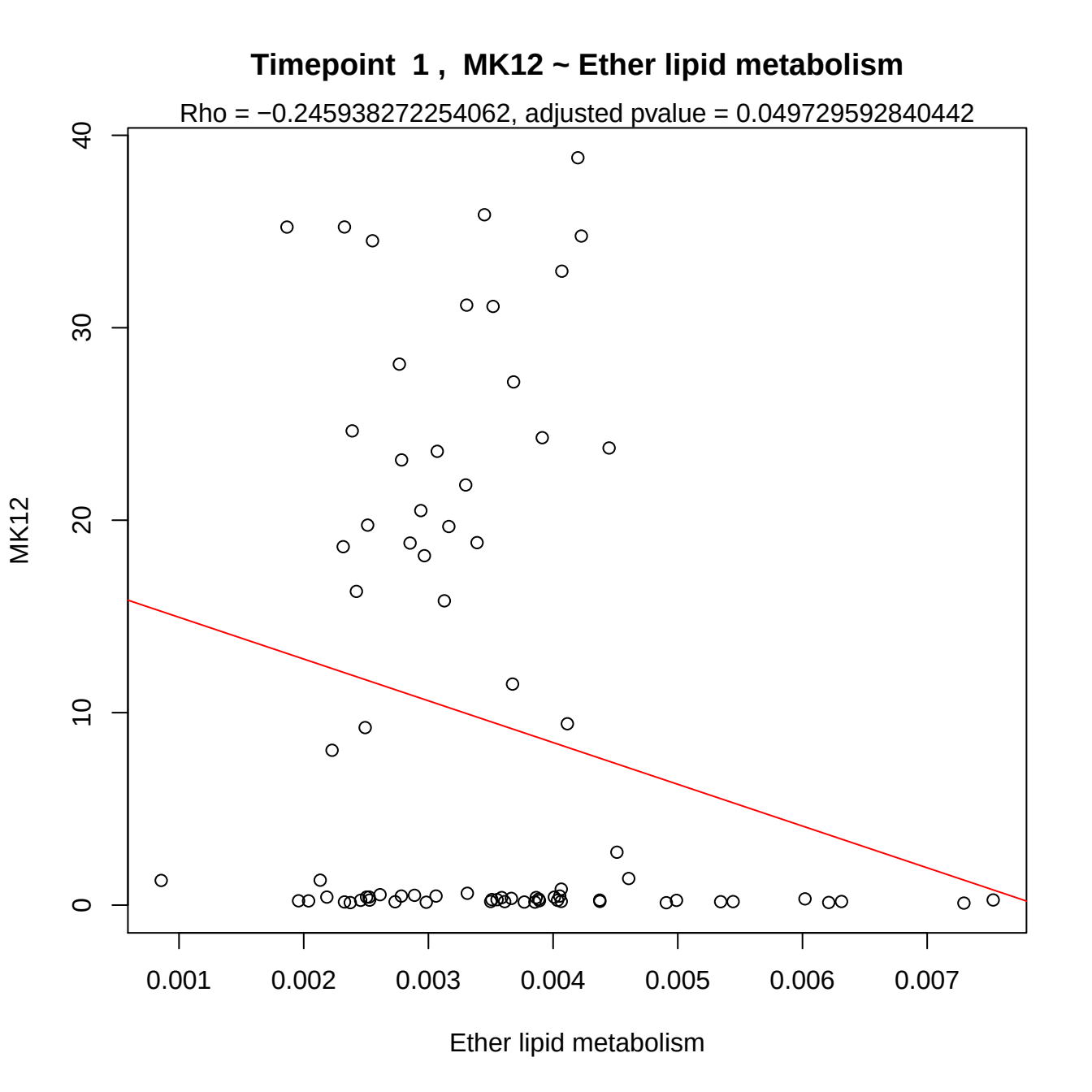

Timepoint 1 , MK12 ~ Cyanoamino acid metabolism
Rho = −0.475445607024554, adjusted pvalue = 3.87234404979932e−05
MK12
0
10
20
30
40
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

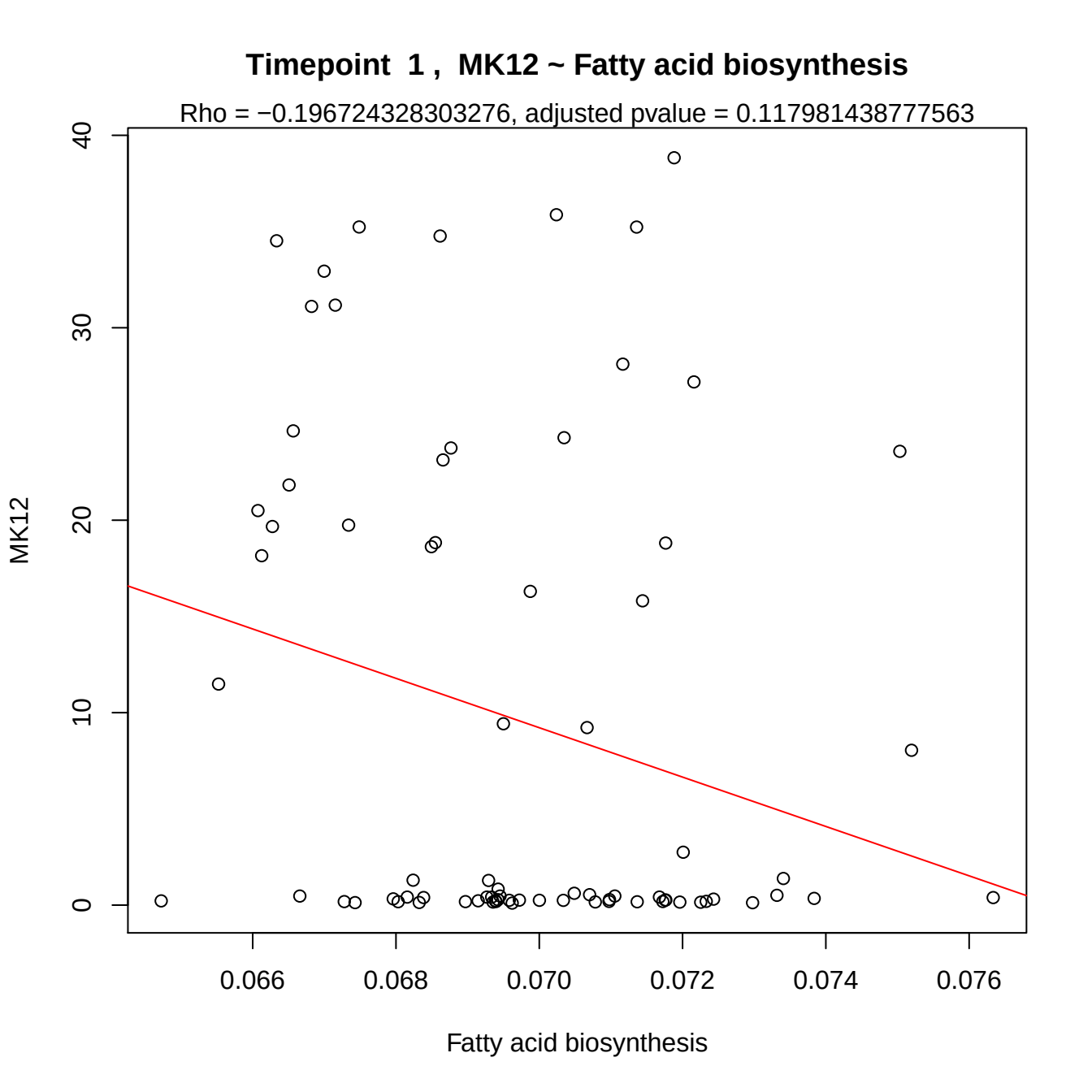

Timepoint 1 , MK12 ~ Cysteine and methionine metabolism
Rho = 0.535832588464167, adjusted pvalue = 2.86595388683326e−06
MK12
0
10
20
30
40
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

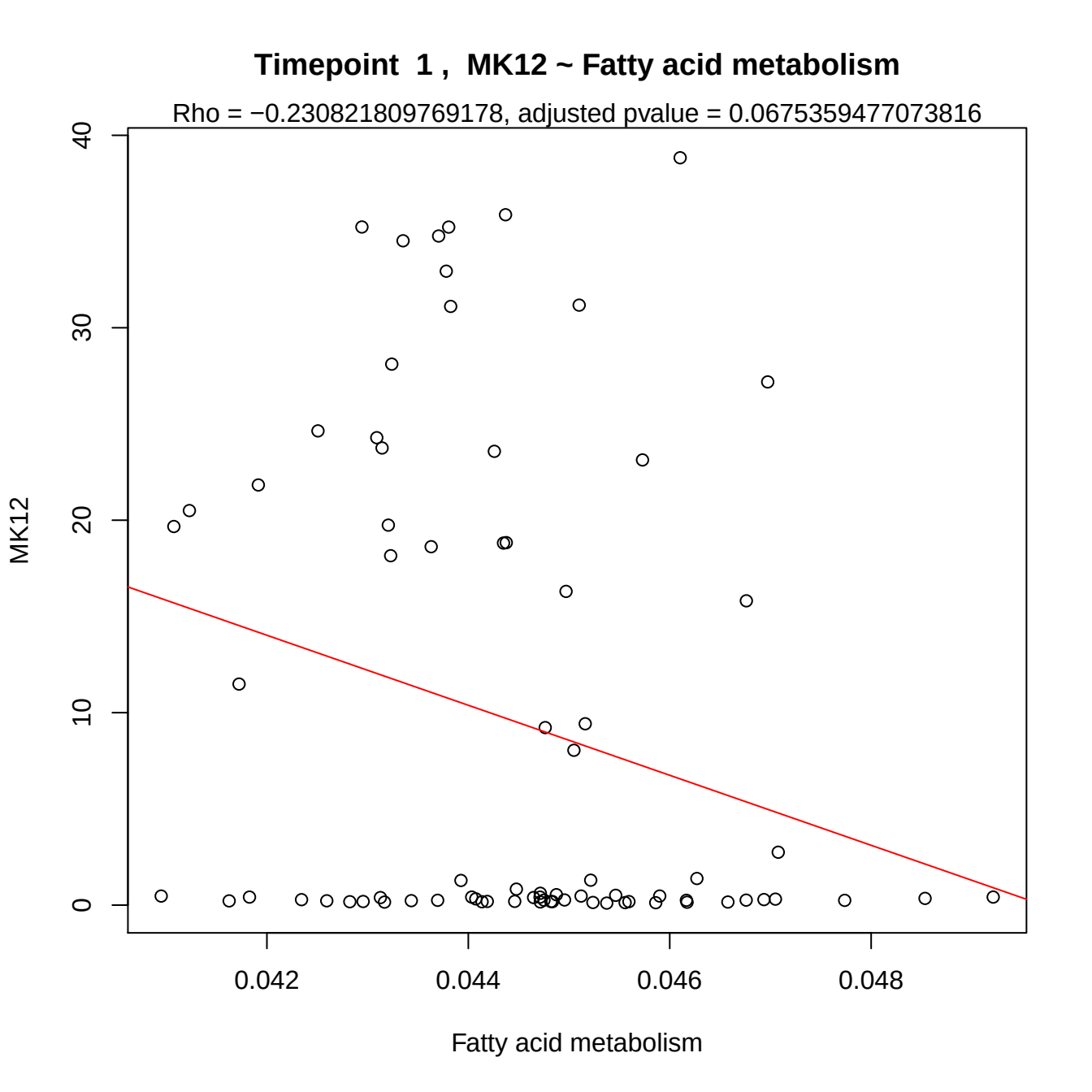

Timepoint 1 , MK12 ~ D−Alanine metabolism
Rho = 0.581628897418371, adjusted pvalue = 2.70966436123991e−07
MK12
0
10
20
30
40
0.030
0.032
0.034
0.036
D−Alanine metabolism

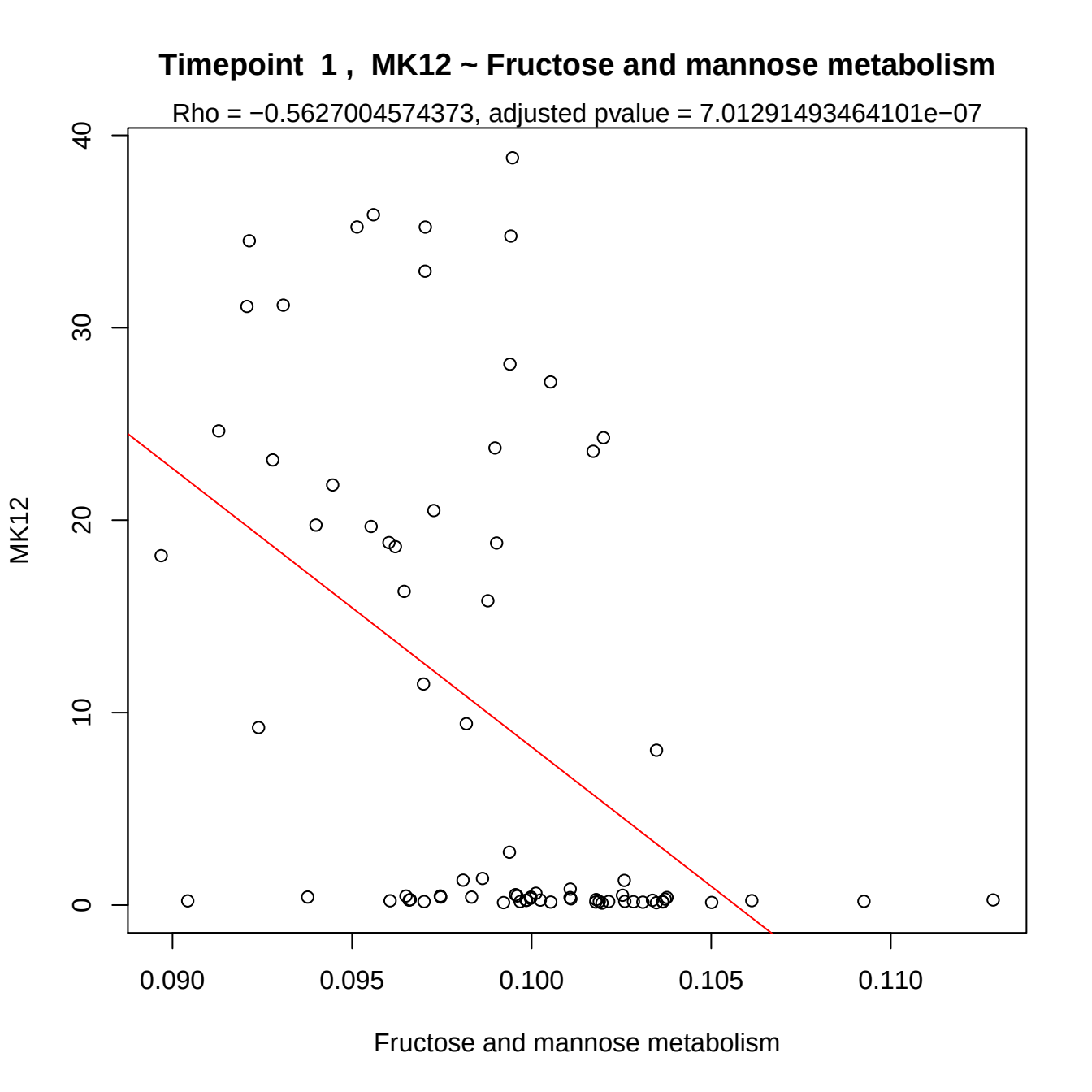

Timepoint 1 , MK12 ~ D−Arginine and D−ornithine metabolism
Rho = 0.290236079709764, adjusted pvalue = 0.0188798922383237
MK12
0
10
20
30
40
0.002
0.004
0.006
0.008
0.010
0.012
D−Arginine and D−ornithine metabolism

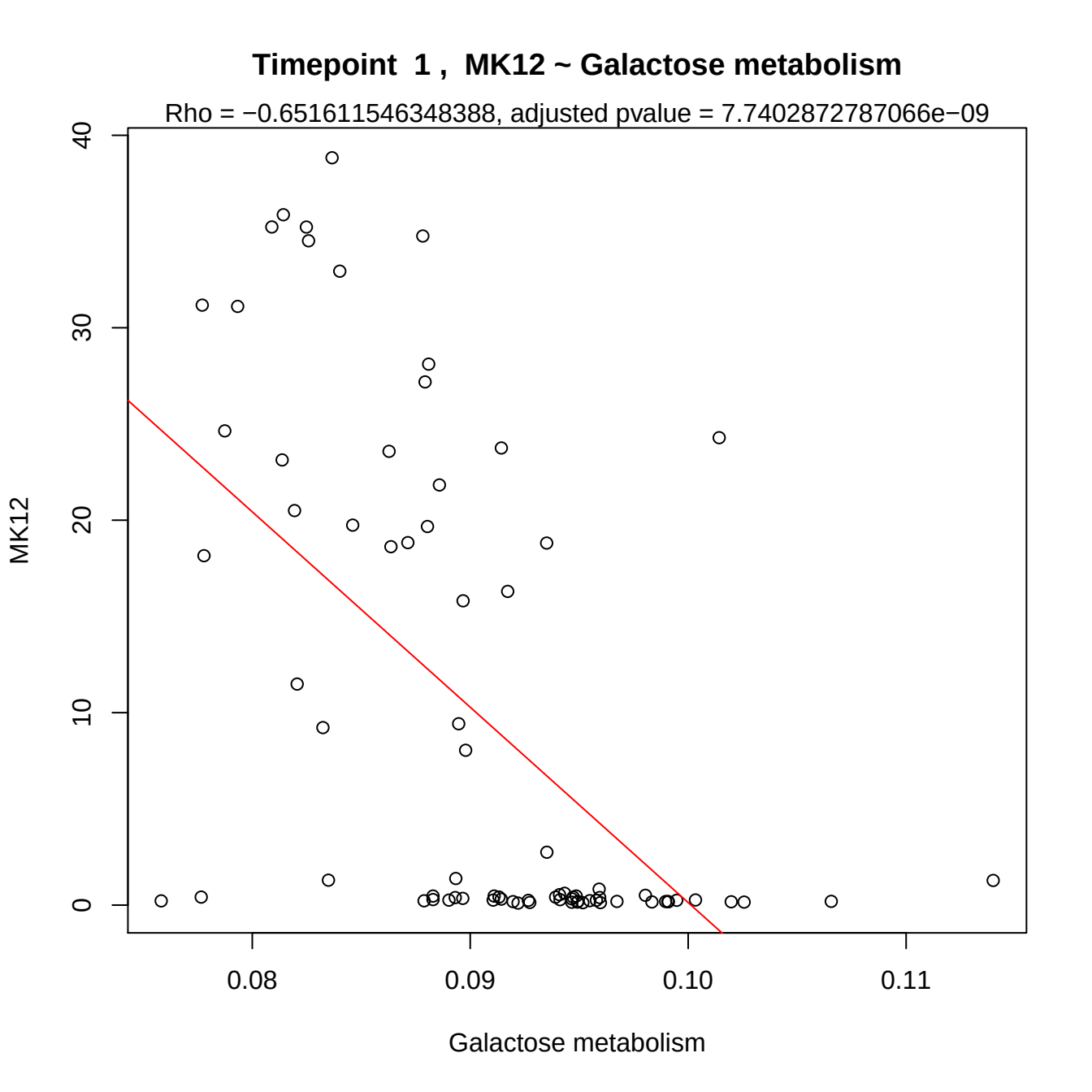

Timepoint 1 , MK12 ~ D−Glutamine and D−glutamate metabolism
Rho = 0.345680635154319, adjusted pvalue = 0.00464860010156067
MK12
0
10
20
30
40
0.038
0.040
0.042
D−Glutamine and D−glutamate metabolism

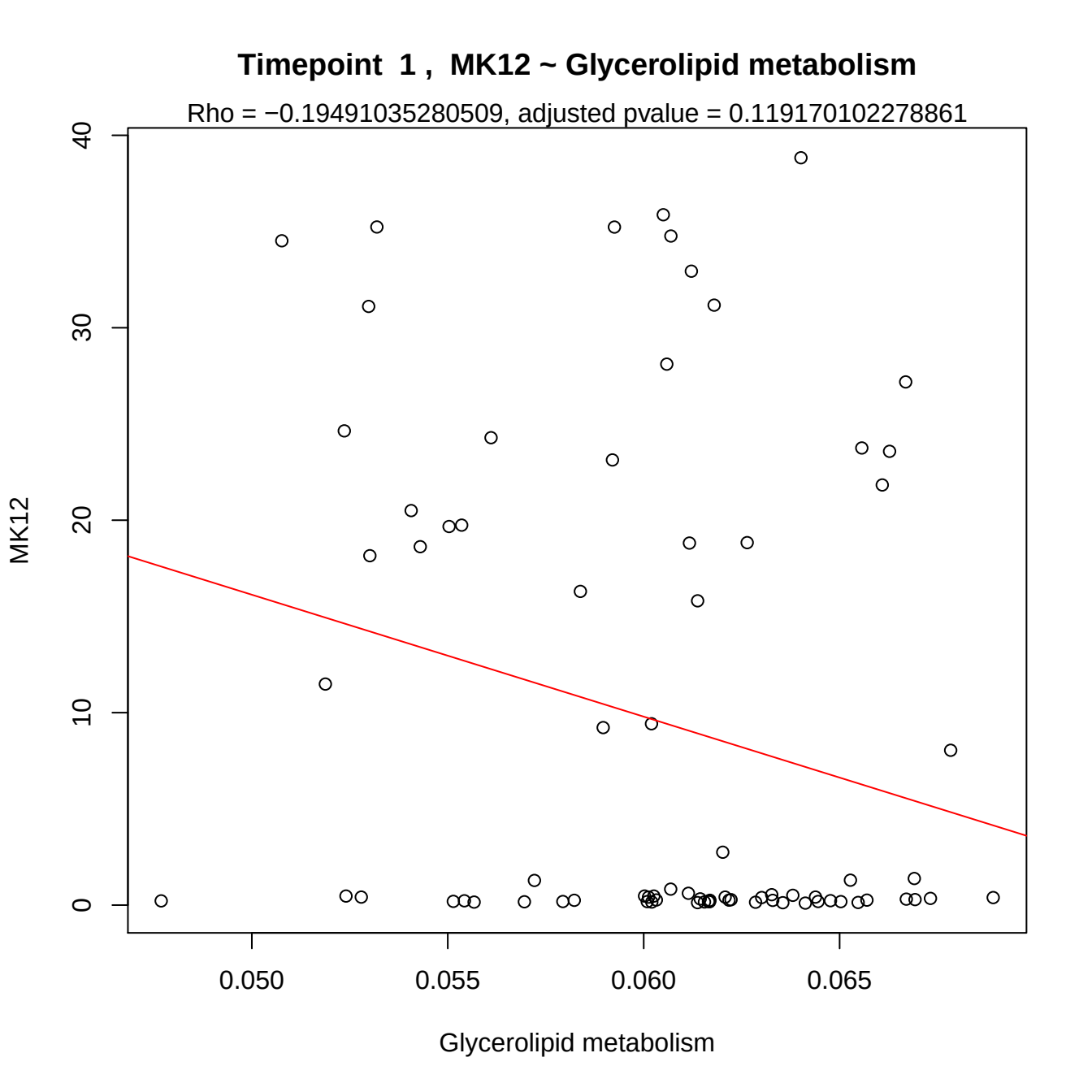

Timepoint 1 , MK12 ~ Ether lipid metabolism
Rho = −0.245938272254062, adjusted pvalue = 0.049729592840442
MK12
0
10
20
30
40
0.001
0.002
0.003
0.004
0.005
0.006
0.007
Ether lipid metabolism

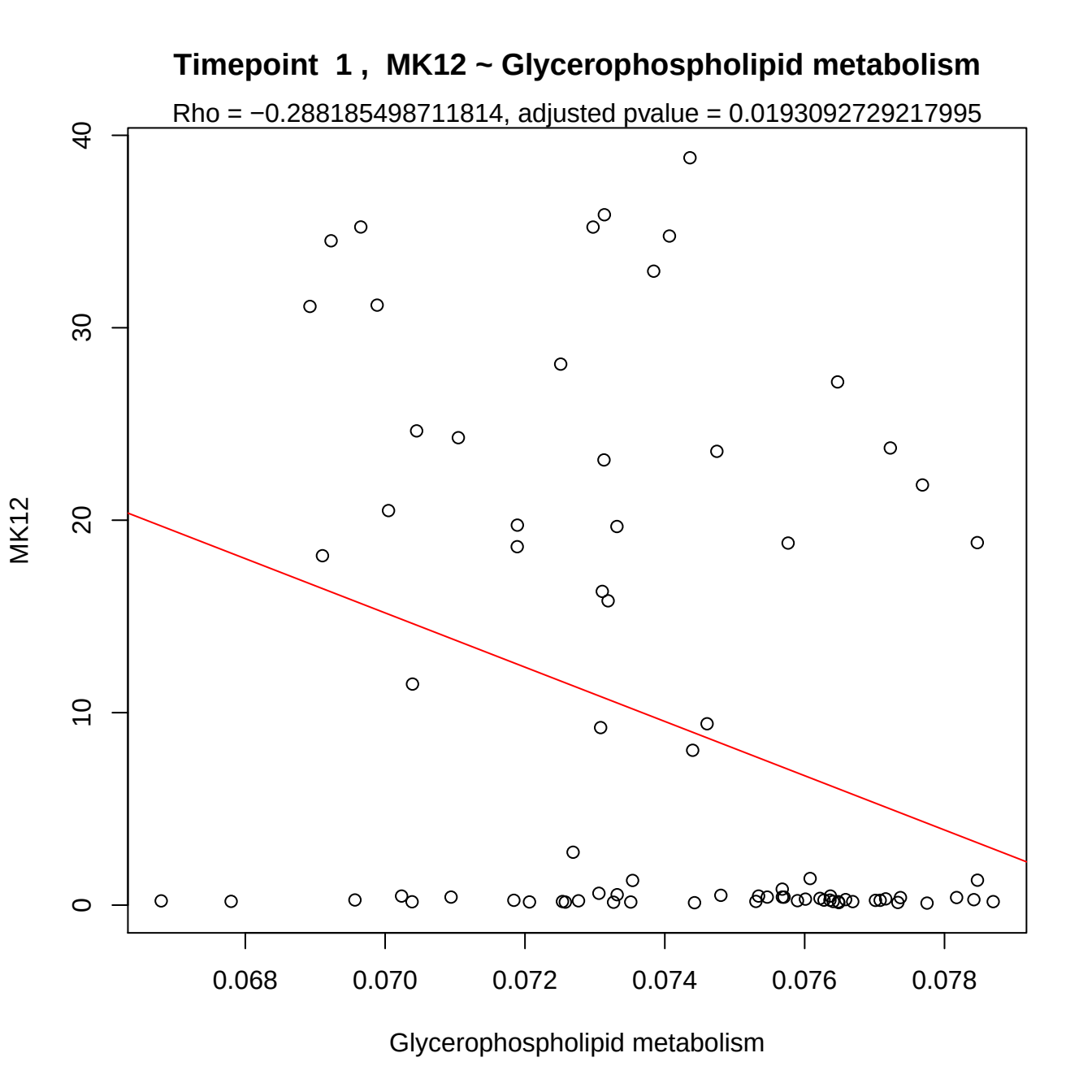

Timepoint 1 , MK12 ~ Fatty acid biosynthesis
Rho = −0.196724328303276, adjusted pvalue = 0.117981438777563
MK12
0
10
20
30
40
0.066
0.068
0.070
0.072
0.074
0.076
Fatty acid biosynthesis

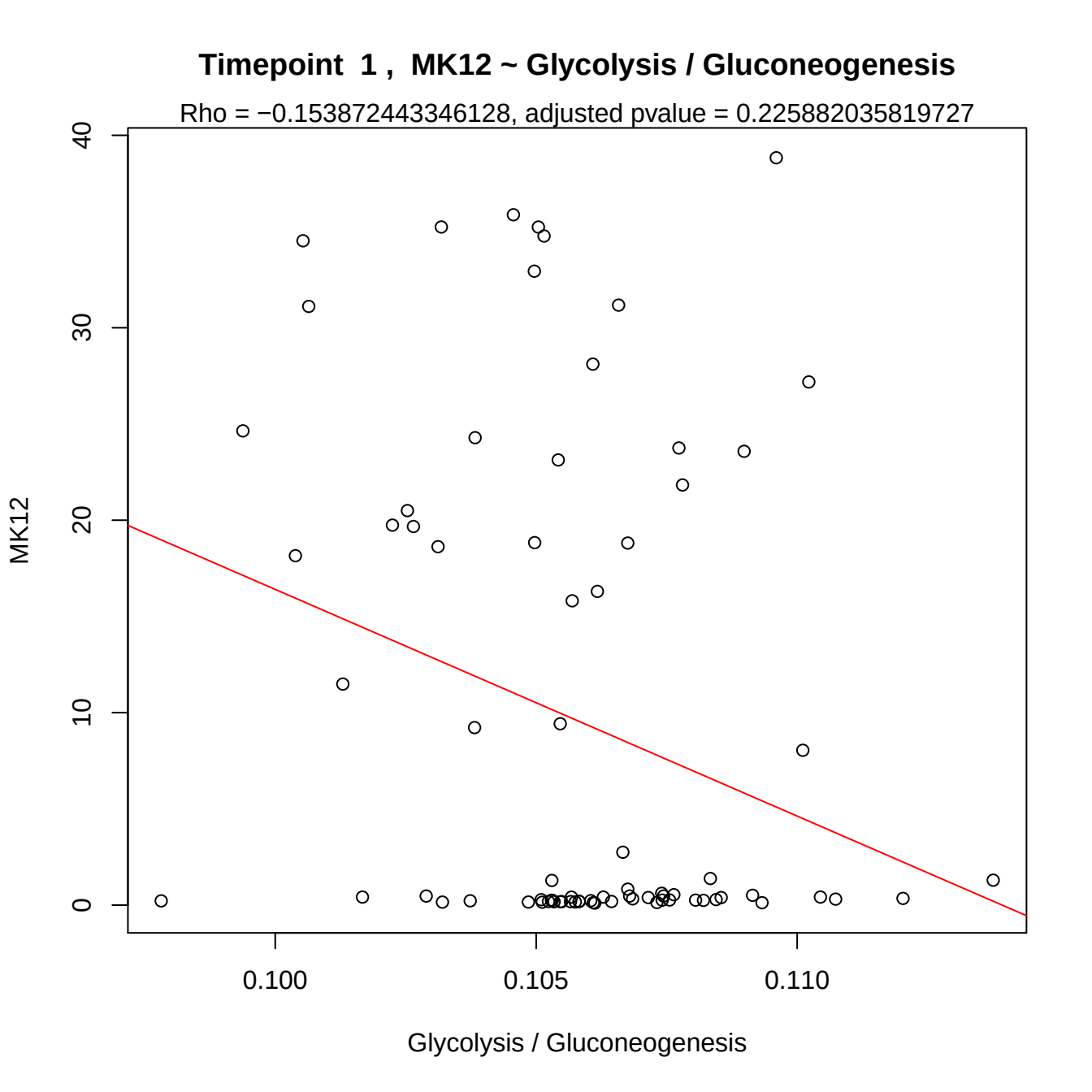

Timepoint 1 , MK12 ~ Fatty acid metabolism
Rho = −0.230821809769178, adjusted pvalue = 0.0675359477073816
MK12
0
10
20
30
40
0.042
0.044
0.046
0.048
Fatty acid metabolism

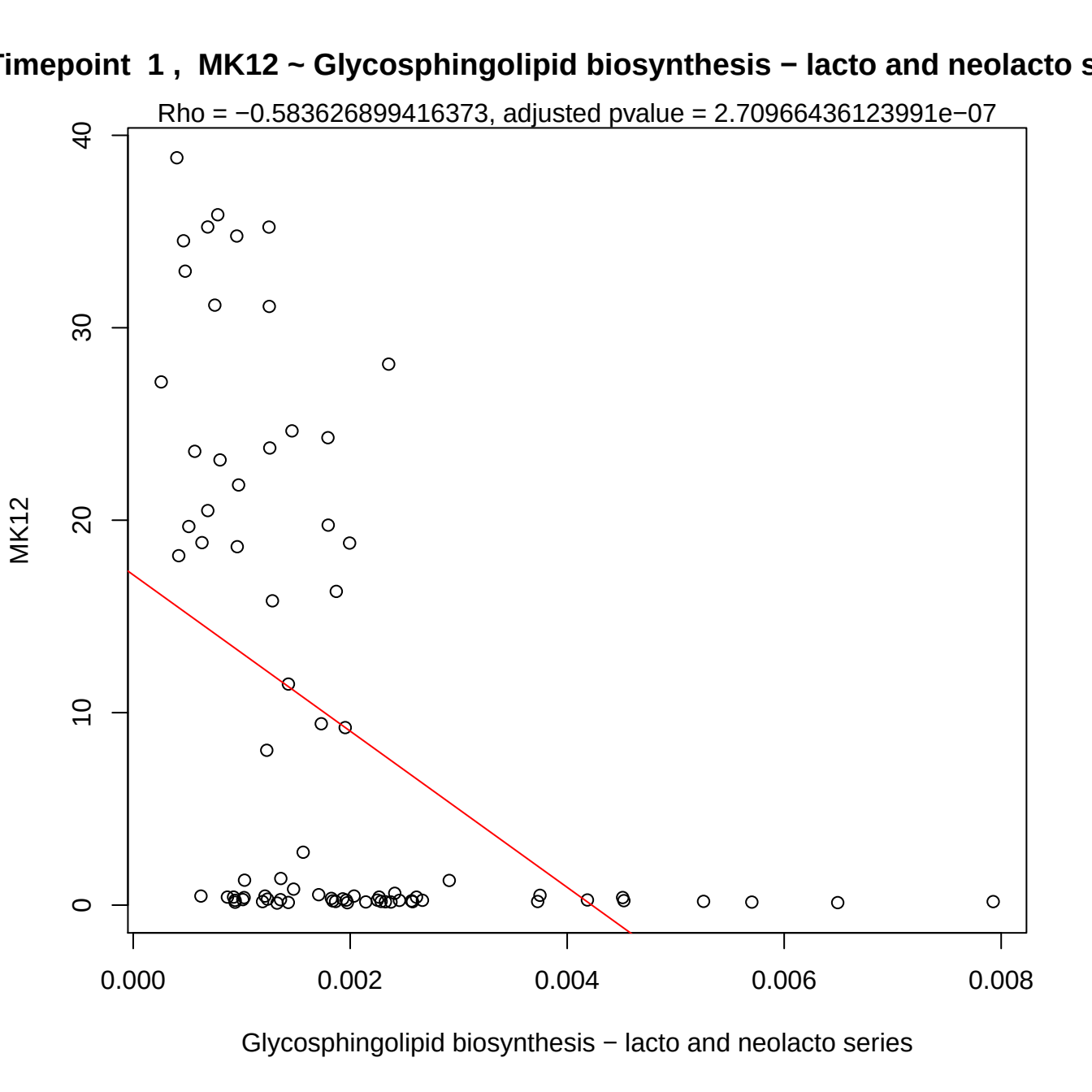

Timepoint 1 , MK12 ~ Fructose and mannose metabolism
Rho = −0.5627004574373, adjusted pvalue = 7.01291493464101e−07
MK12
0
10
20
30
40
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

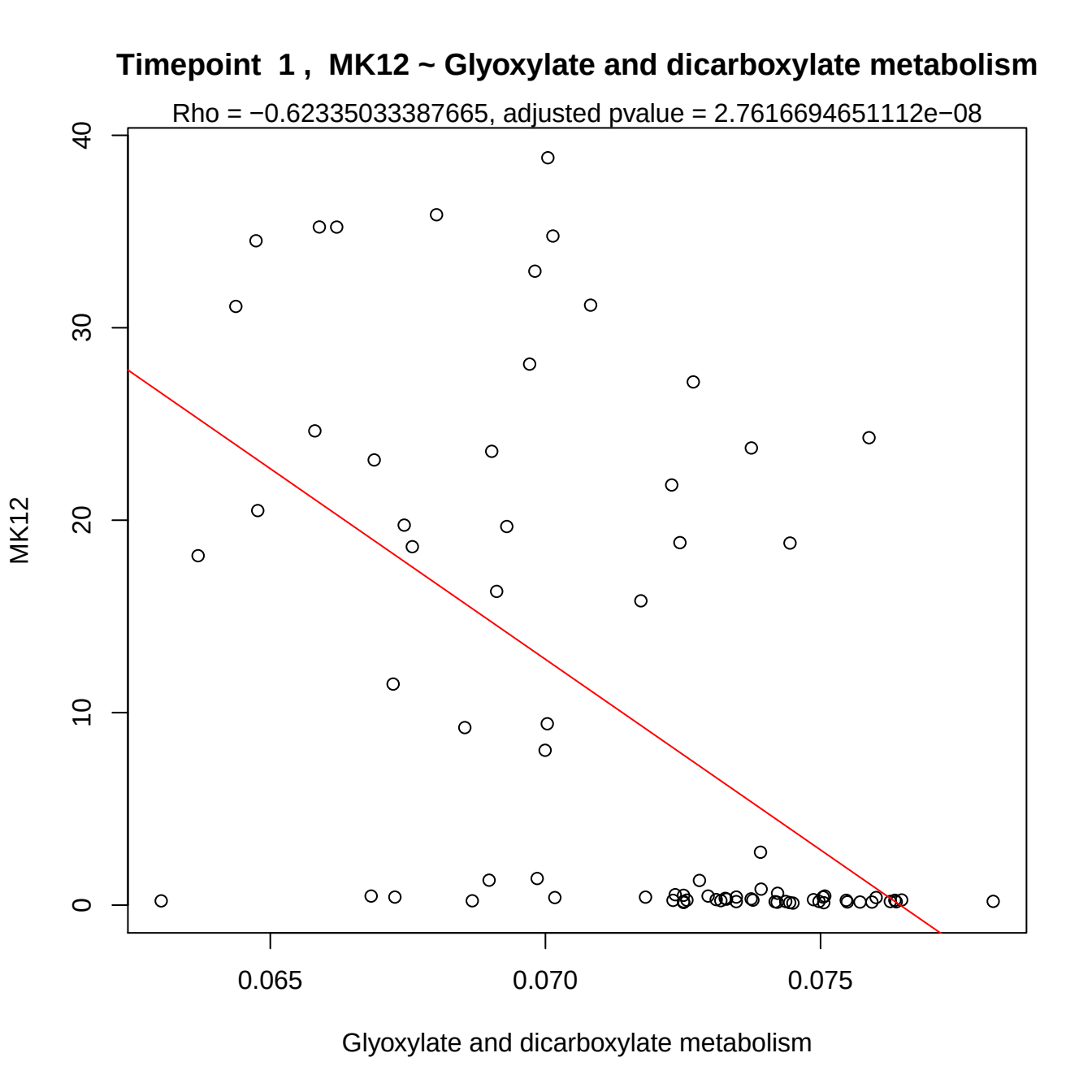

Timepoint 1 , MK12 ~ Galactose metabolism
Rho = −0.651611546348388, adjusted pvalue = 7.7402872787066e−09
MK12
0
10
20
30
40
0.08
0.09
0.10
0.11
Galactose metabolism

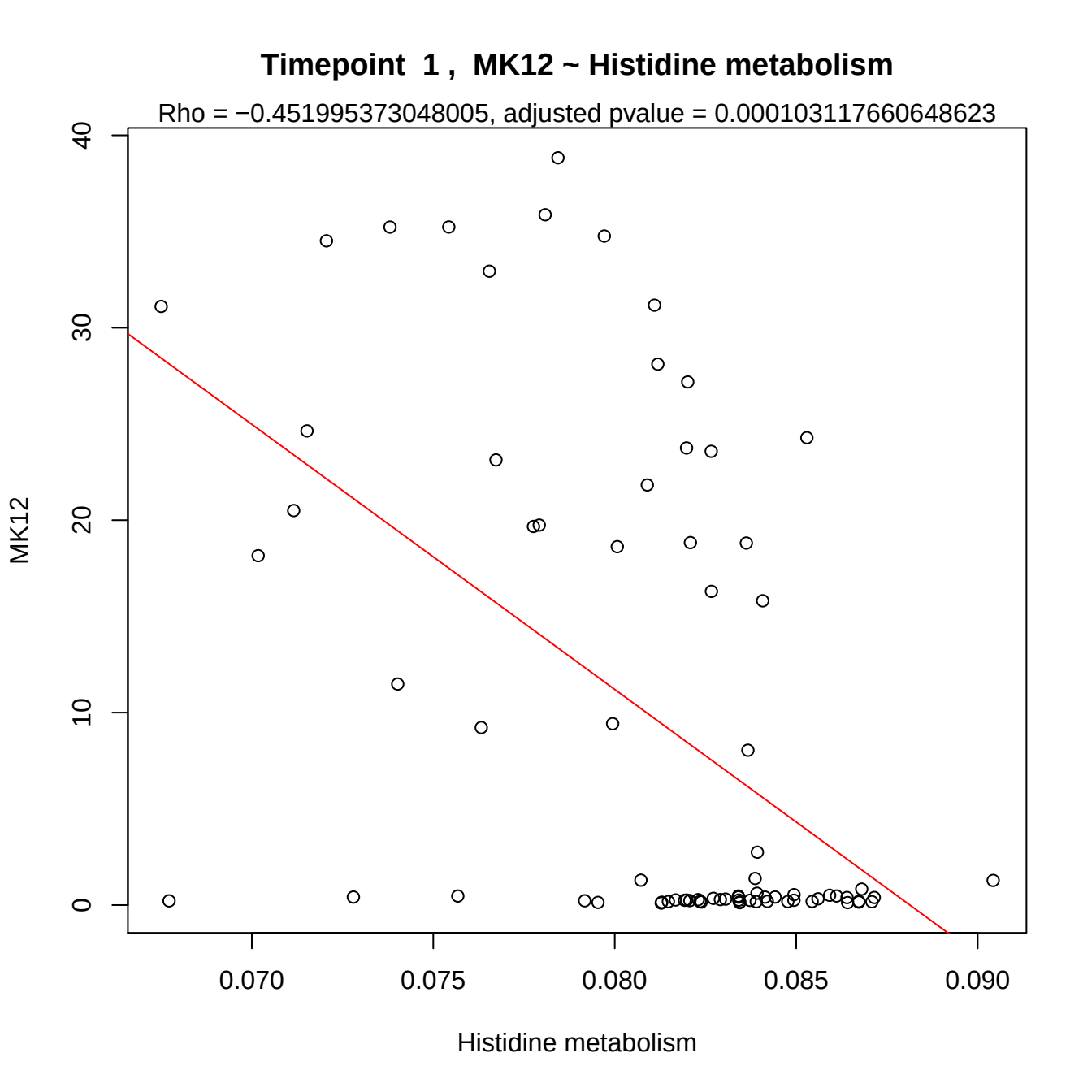

Timepoint 1 , MK12 ~ Glycerolipid metabolism
Rho = −0.19491035280509, adjusted pvalue = 0.119170102278861
MK12
0
10
20
30
40
0.050
0.055
0.060
0.065
Glycerolipid metabolism

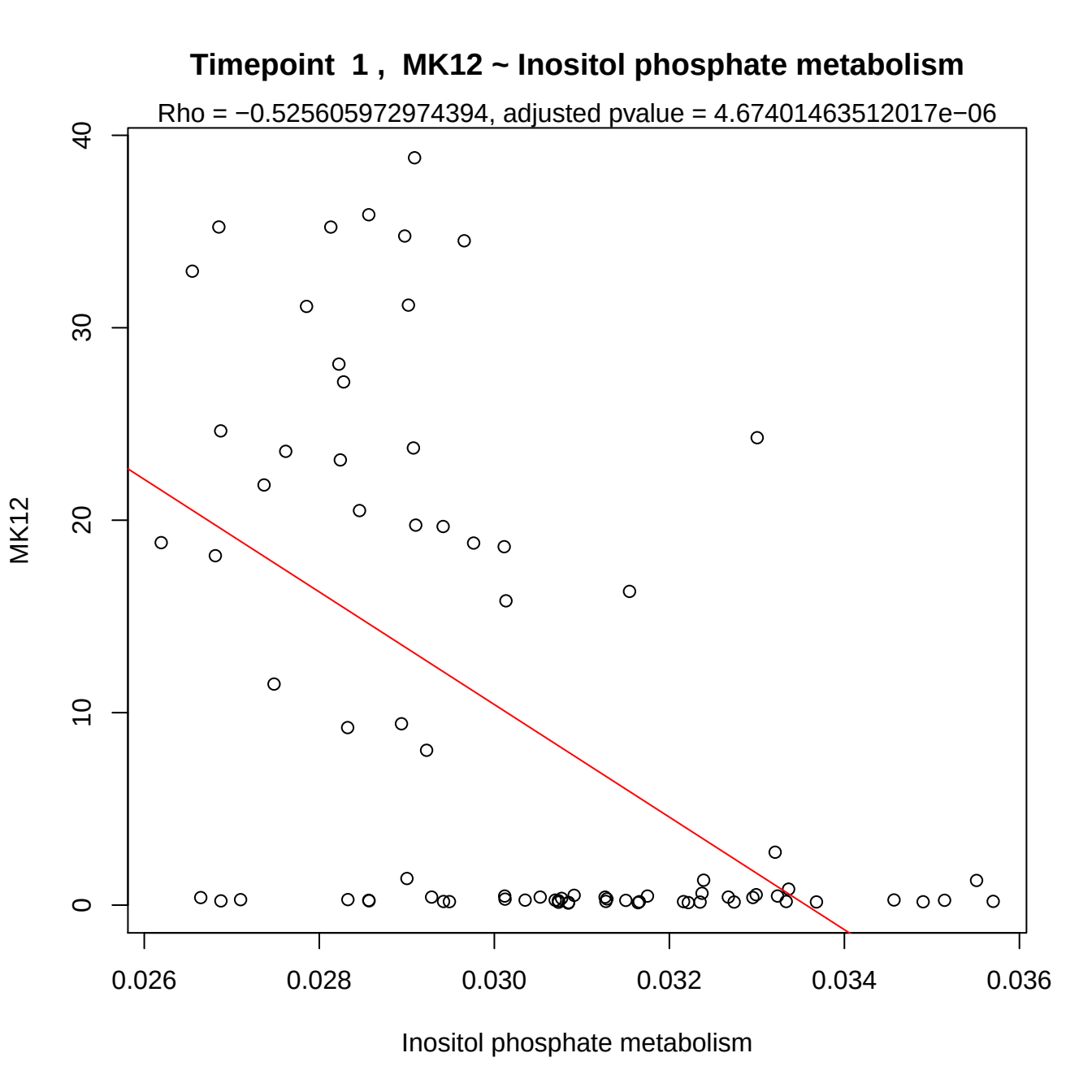

Timepoint 1 , MK12 ~ Glycerophospholipid metabolism
Rho = −0.288185498711814, adjusted pvalue = 0.0193092729217995
MK12
0
10
20
30
40
0.068
0.070
0.072
0.074
0.076
0.078
Glycerophospholipid metabolism

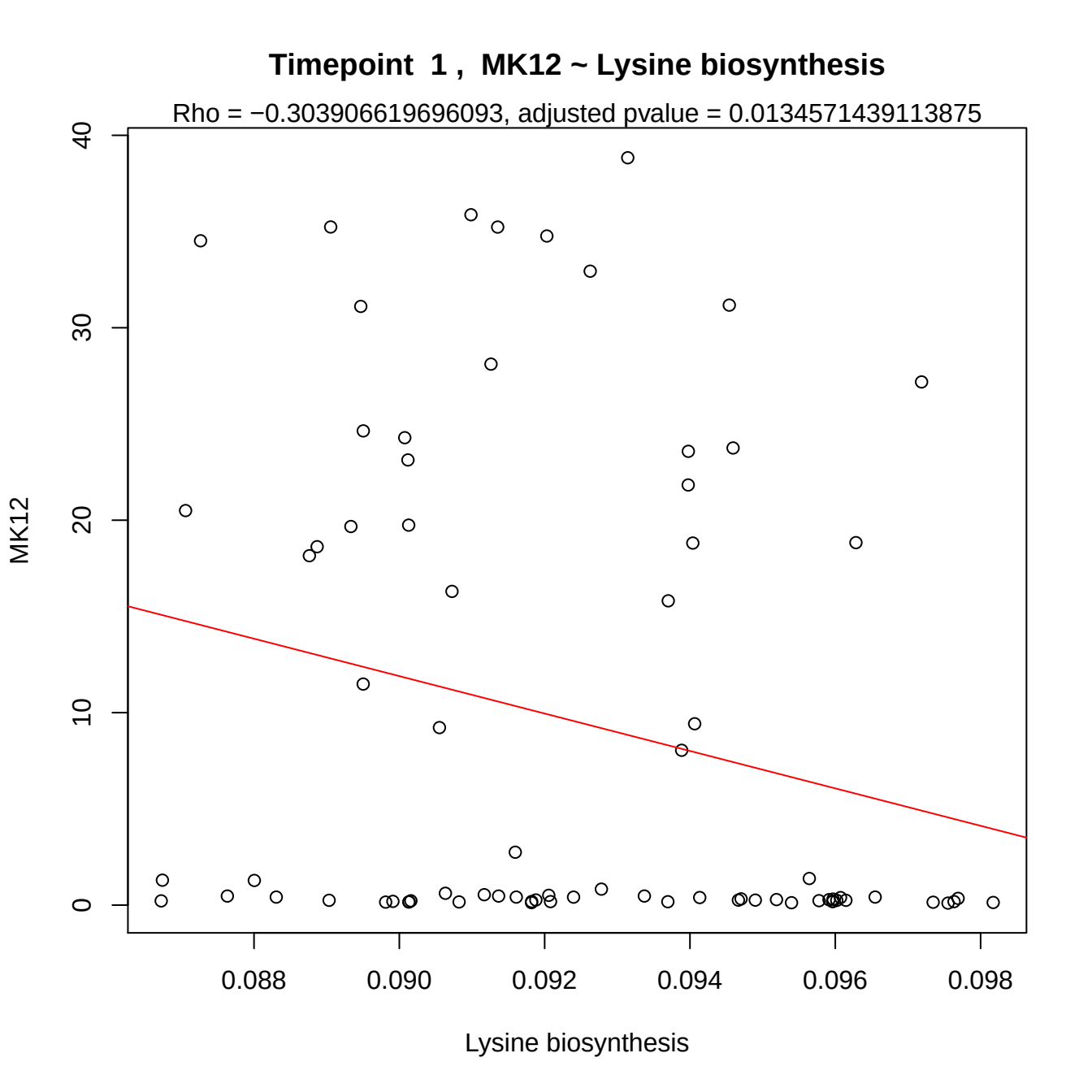

Timepoint 1 , MK12 ~ Glycolysis / Gluconeogenesis
Rho = −0.153872443346128, adjusted pvalue = 0.225882035819727
MK12
0
10
20
30
40
0.100
0.105
0.110
Glycolysis / Gluconeogenesis

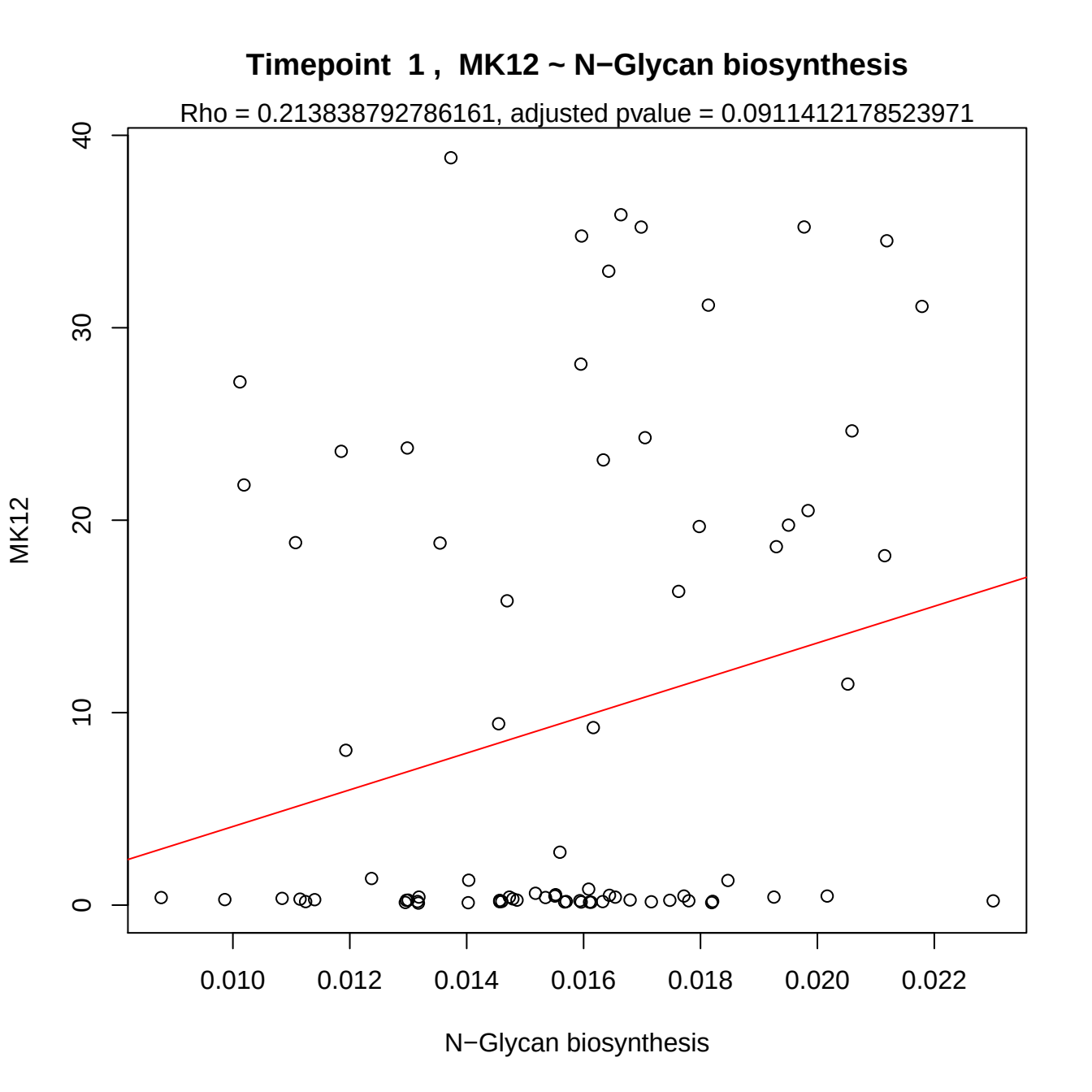

Timepoint 1 , MK12 ~ Glycosphingolipid biosynthesis − lacto and neolacto s
Rho = −0.583626899416373, adjusted pvalue = 2.70966436123991e−07
MK12
0
10
20
30
40
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

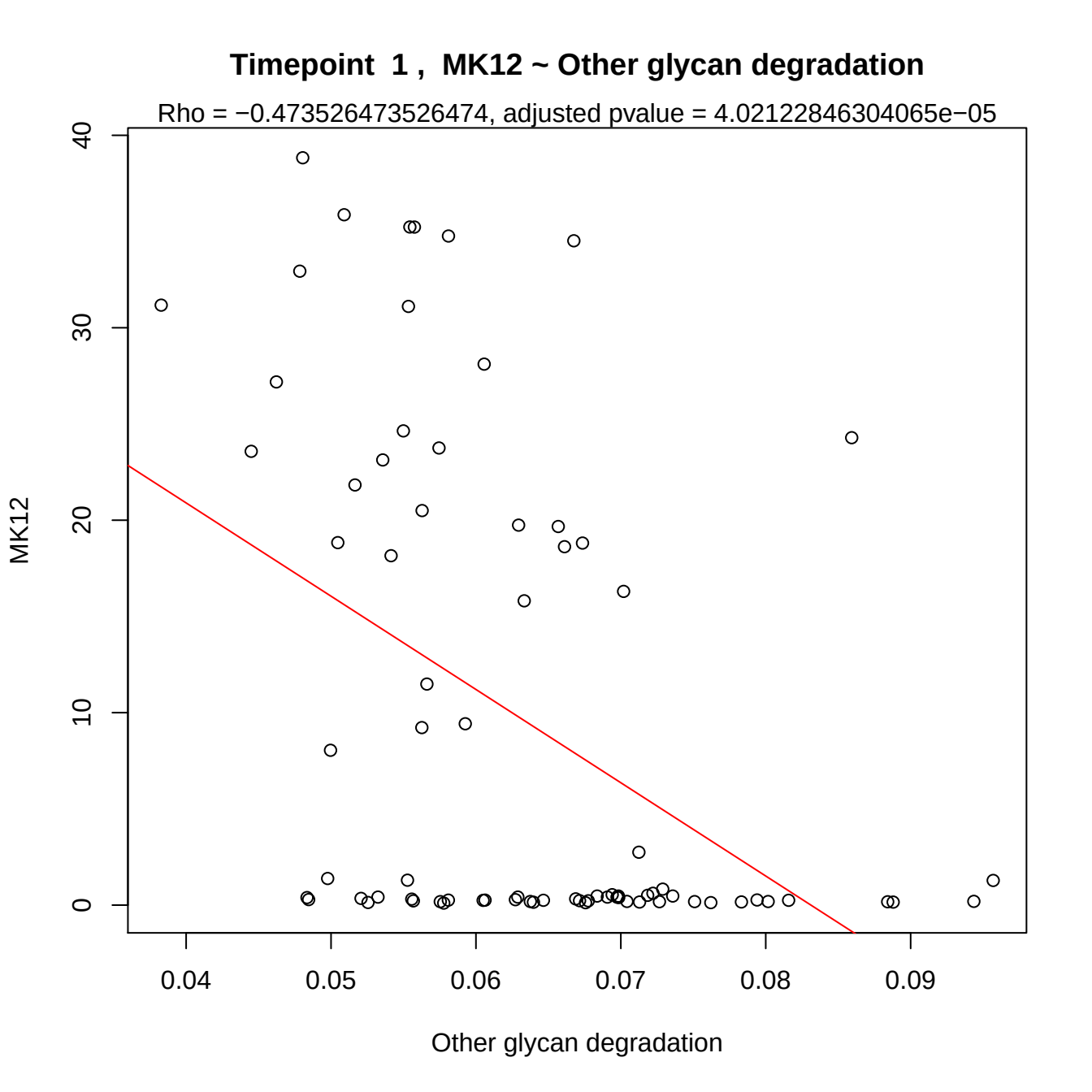

Timepoint 1 , MK12 ~ Glyoxylate and dicarboxylate metabolism
Rho = −0.62335033387665, adjusted pvalue = 2.7616694651112e−08
MK12
0
10
20
30
40
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

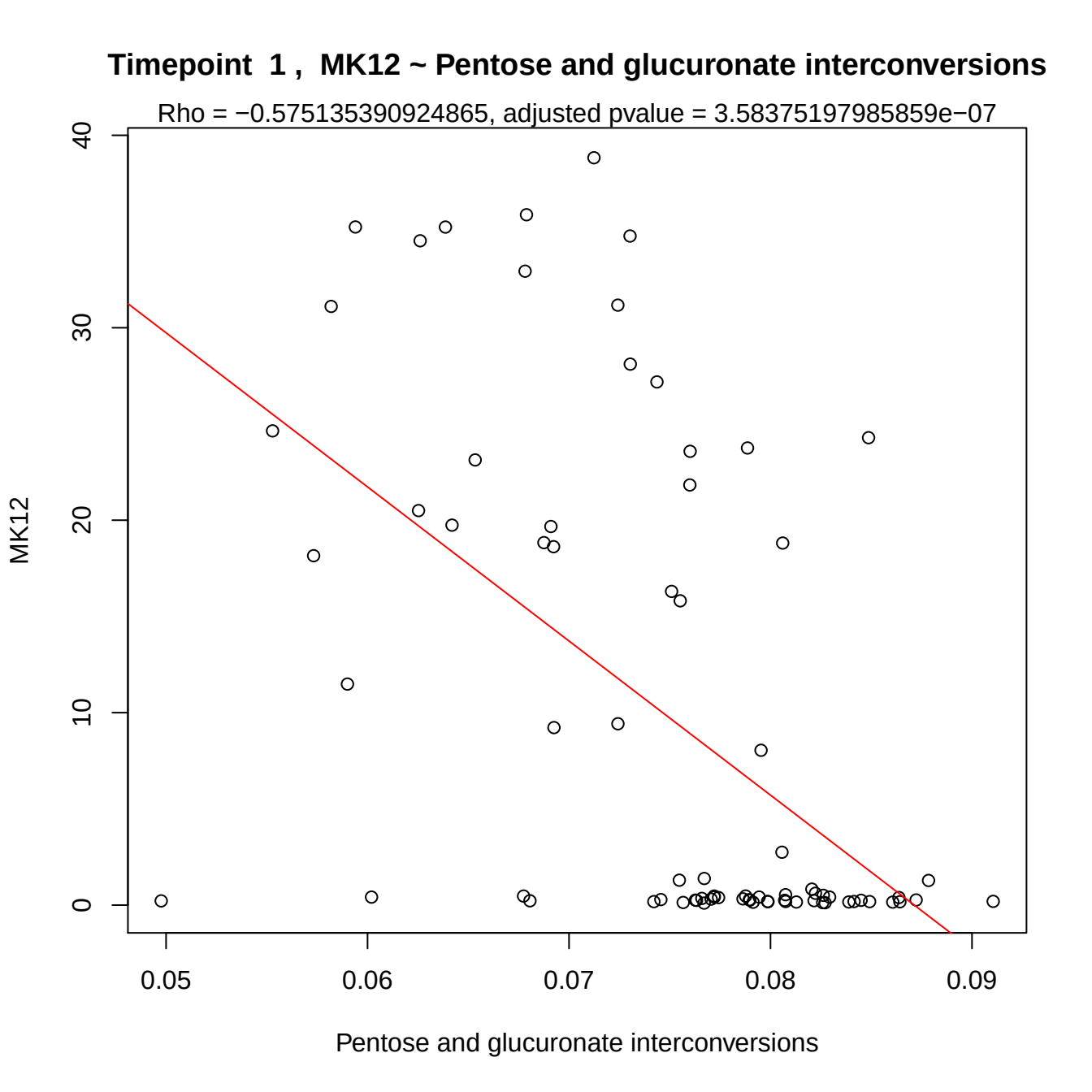

Timepoint 1 , MK12 ~ Histidine metabolism
Rho = −0.451995373048005, adjusted pvalue = 0.000103117660648623
MK12
0
10
20
30
40
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

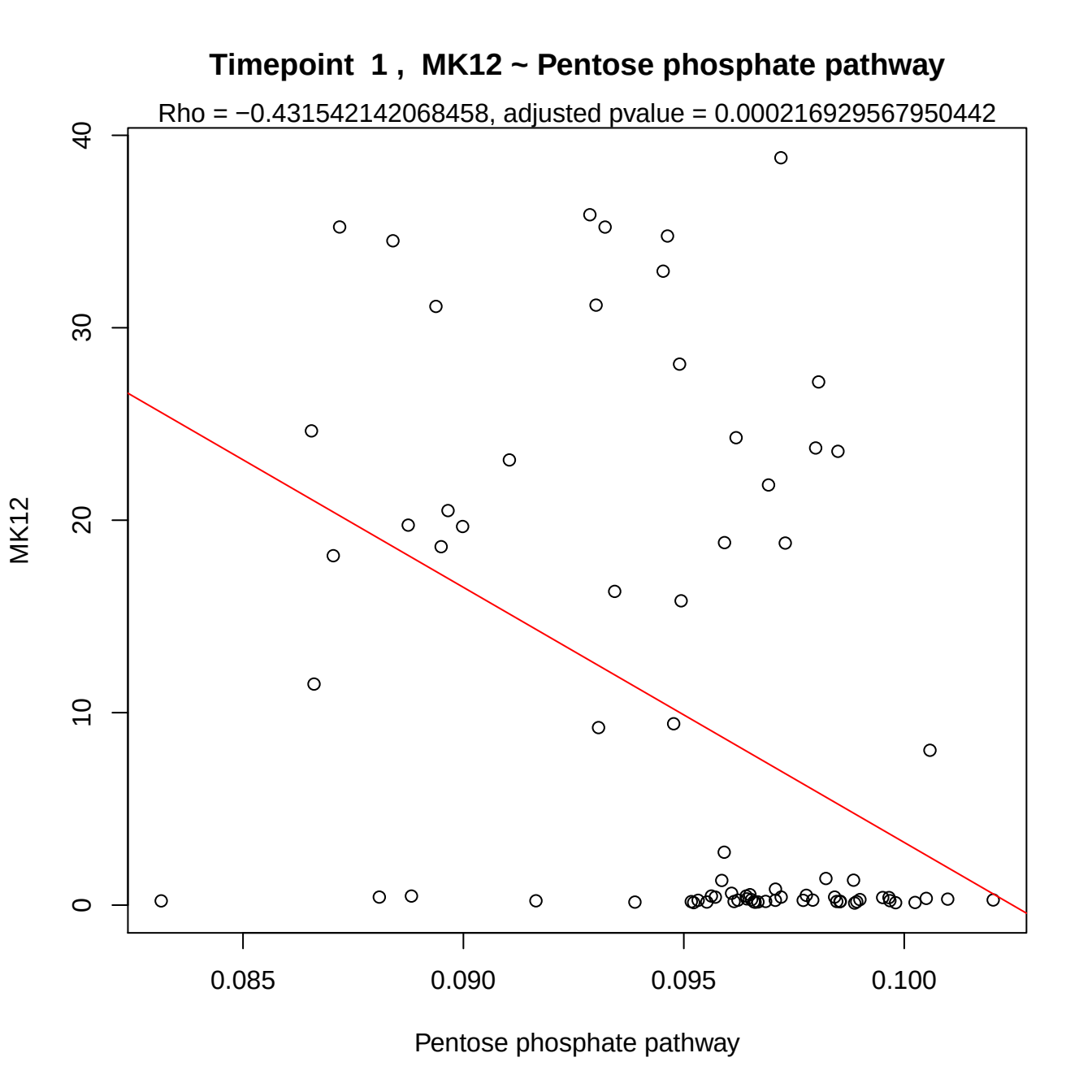

Timepoint 1 , MK12 ~ Inositol phosphate metabolism
Rho = −0.525605972974394, adjusted pvalue = 4.67401463512017e−06
MK12
0
10
20
30
40
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

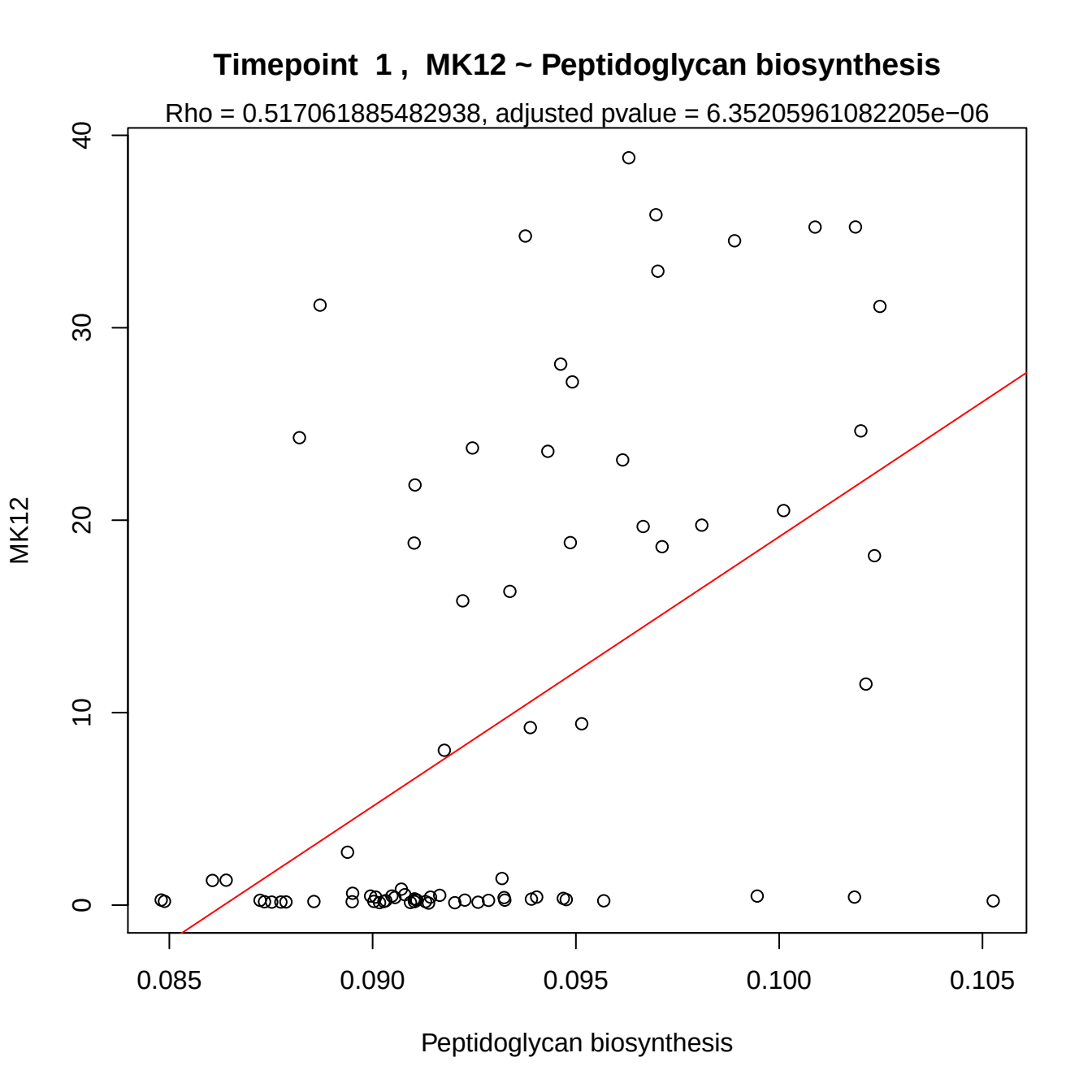

Timepoint 1 , MK12 ~ Lysine biosynthesis
Rho = −0.303906619696093, adjusted pvalue = 0.0134571439113875
MK12
0
10
20
30
40
0.088
0.090
0.092
0.094
0.096
0.098
Lysine biosynthesis

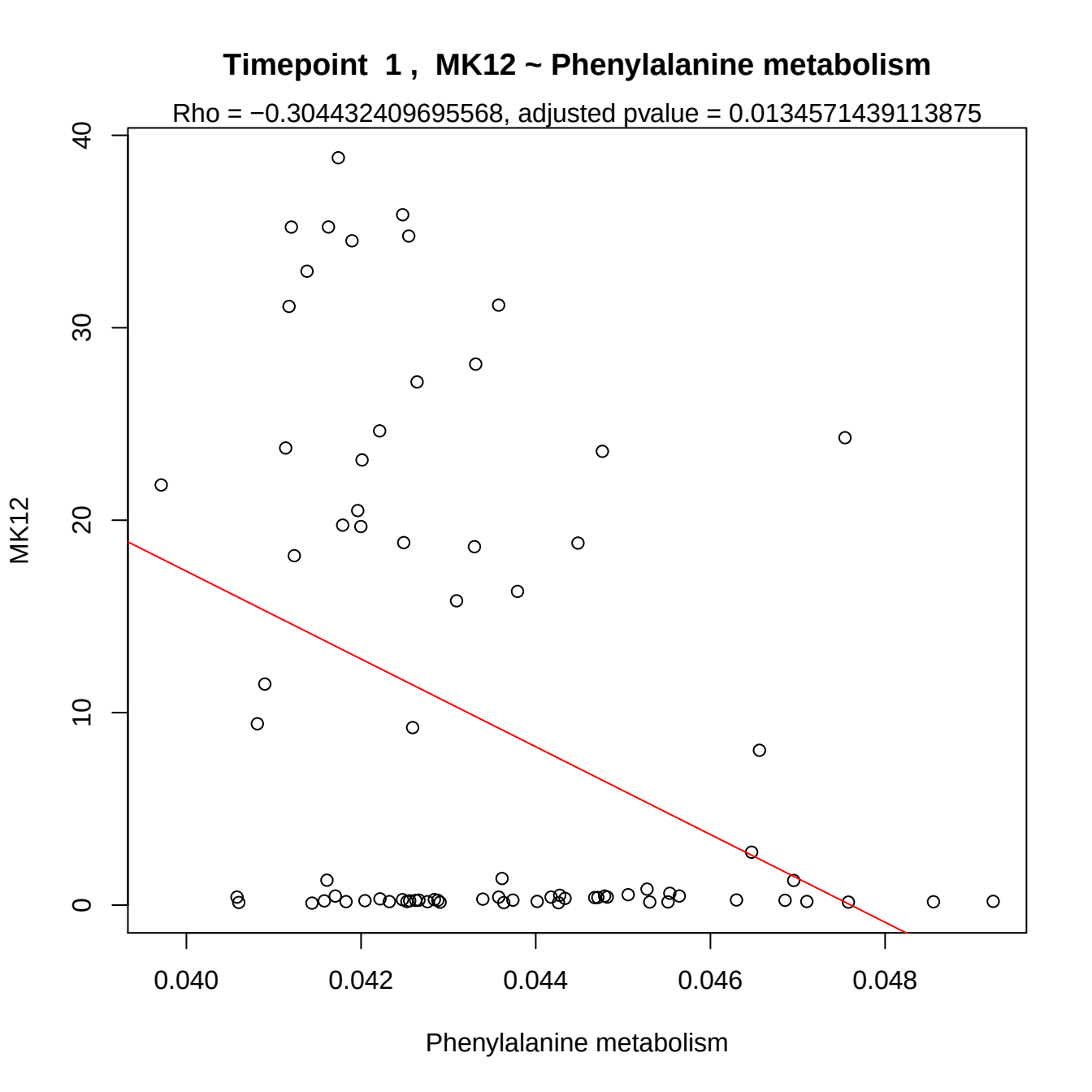

Timepoint 1 , MK12 ~ N−Glycan biosynthesis
Rho = 0.213838792786161, adjusted pvalue = 0.0911412178523971
MK12
0
10
20
30
40
0.010
0.012
0.014
0.016
0.018
0.020
0.022
N−Glycan biosynthesis

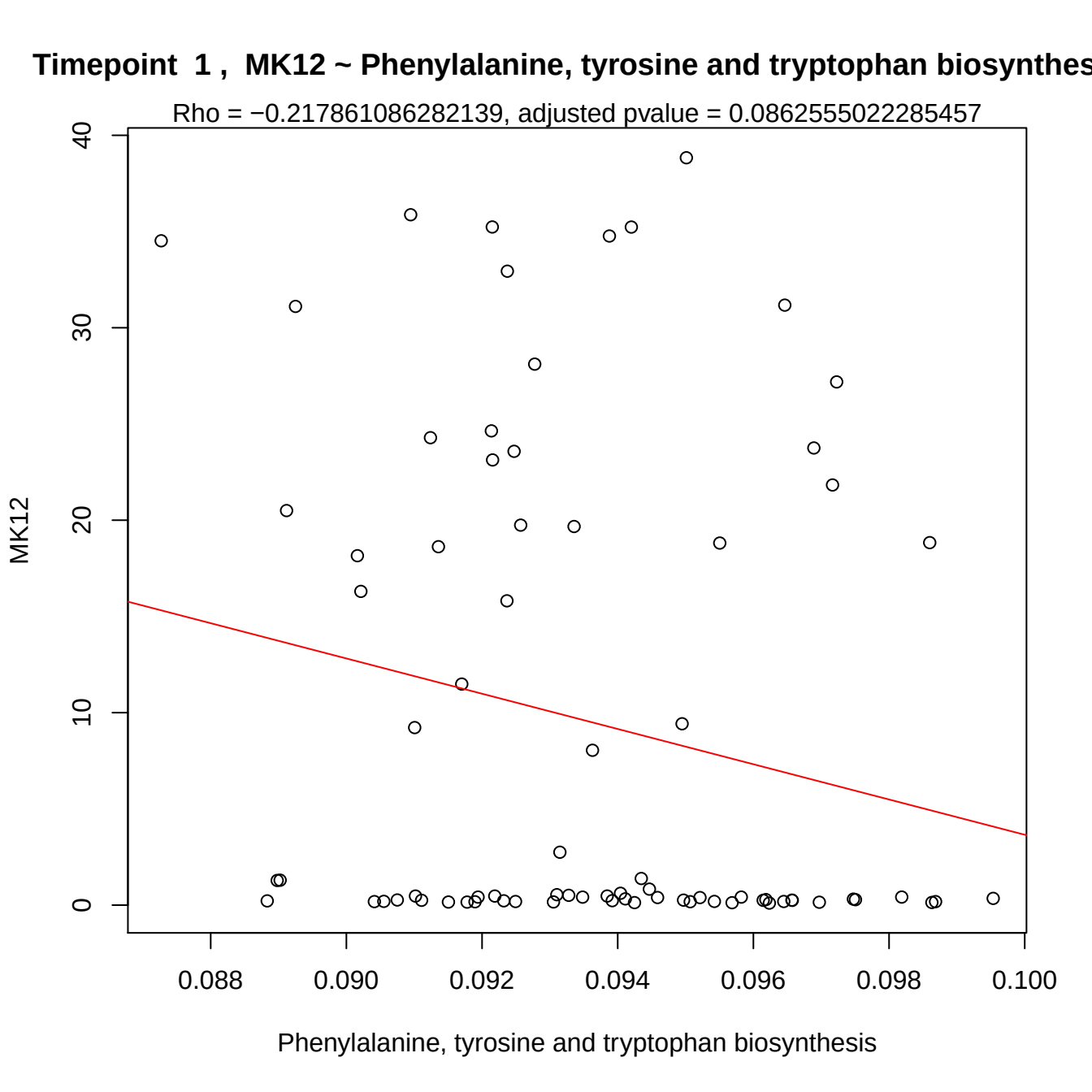

Timepoint 1 , MK12 ~ Other glycan degradation
Rho = −0.473526473526474, adjusted pvalue = 4.02122846304065e−05
MK12
0
10
20
30
40
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

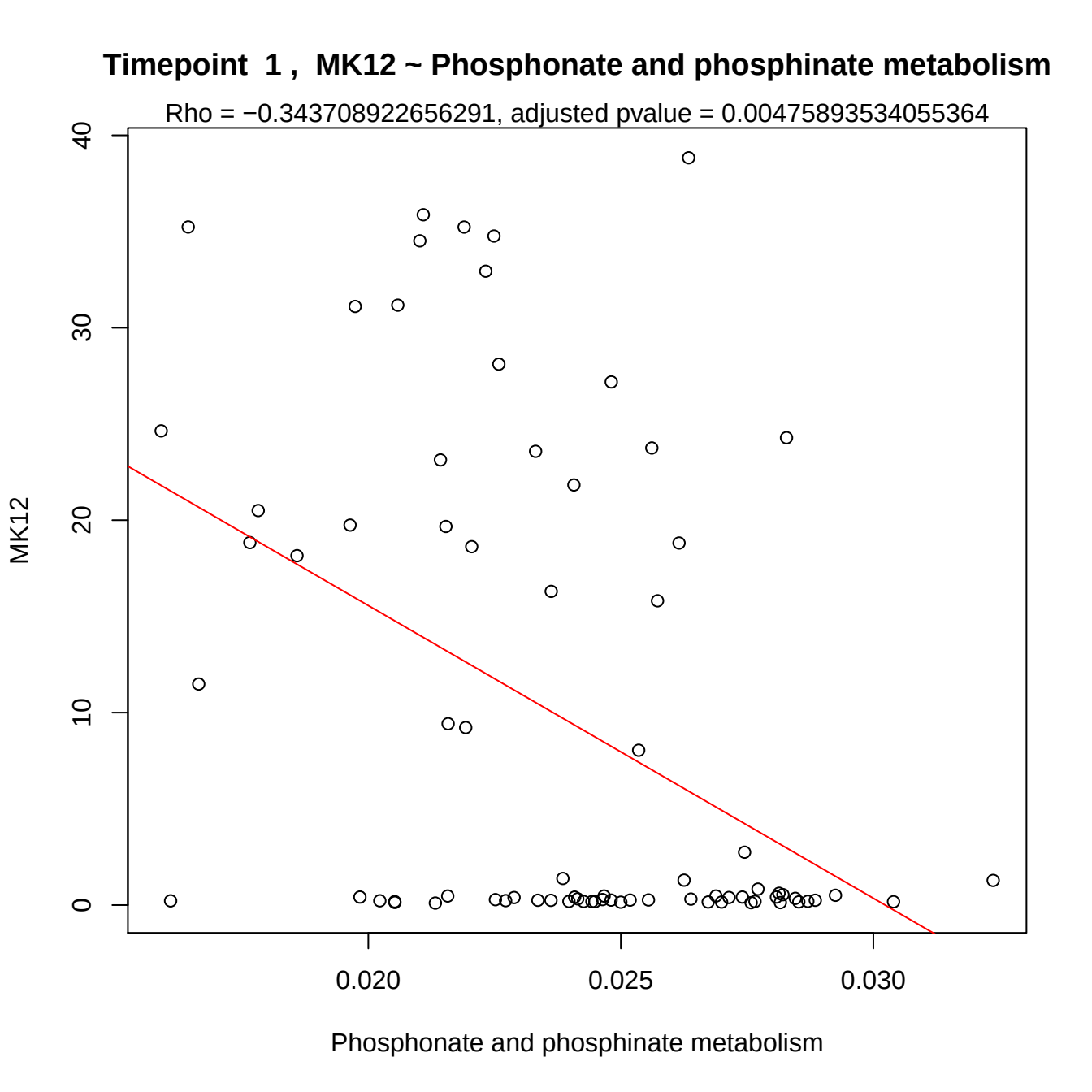

Timepoint 1 , MK12 ~ Pentose and glucuronate interconversions
Rho = −0.575135390924865, adjusted pvalue = 3.58375197985859e−07
MK12
0
10
20
30
40
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

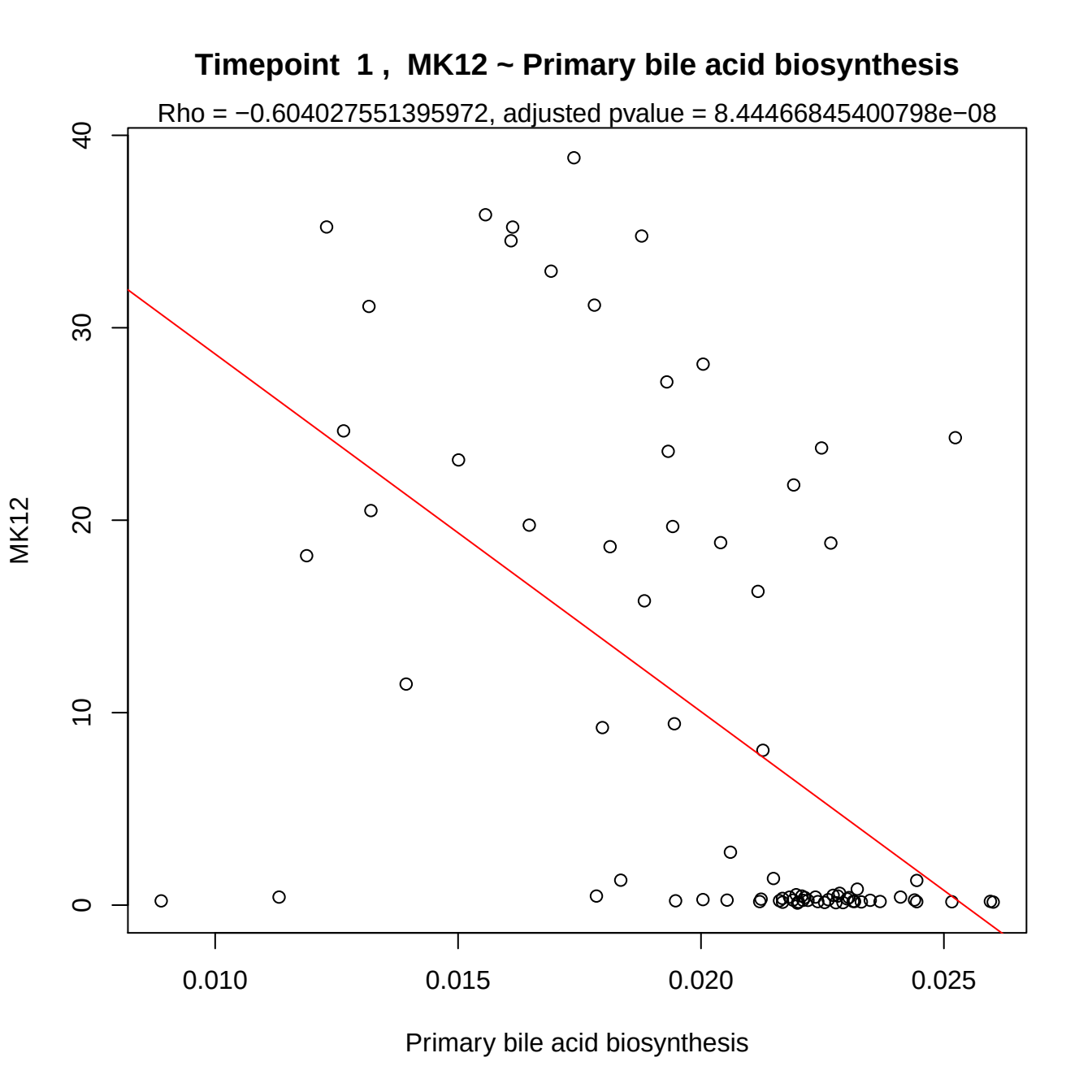

Timepoint 1 , MK12 ~ Pentose phosphate pathway
Rho = −0.431542142068458, adjusted pvalue = 0.000216929567950442
MK12
0
10
20
30
40
0.085
0.090
0.095
0.100
Pentose phosphate pathway

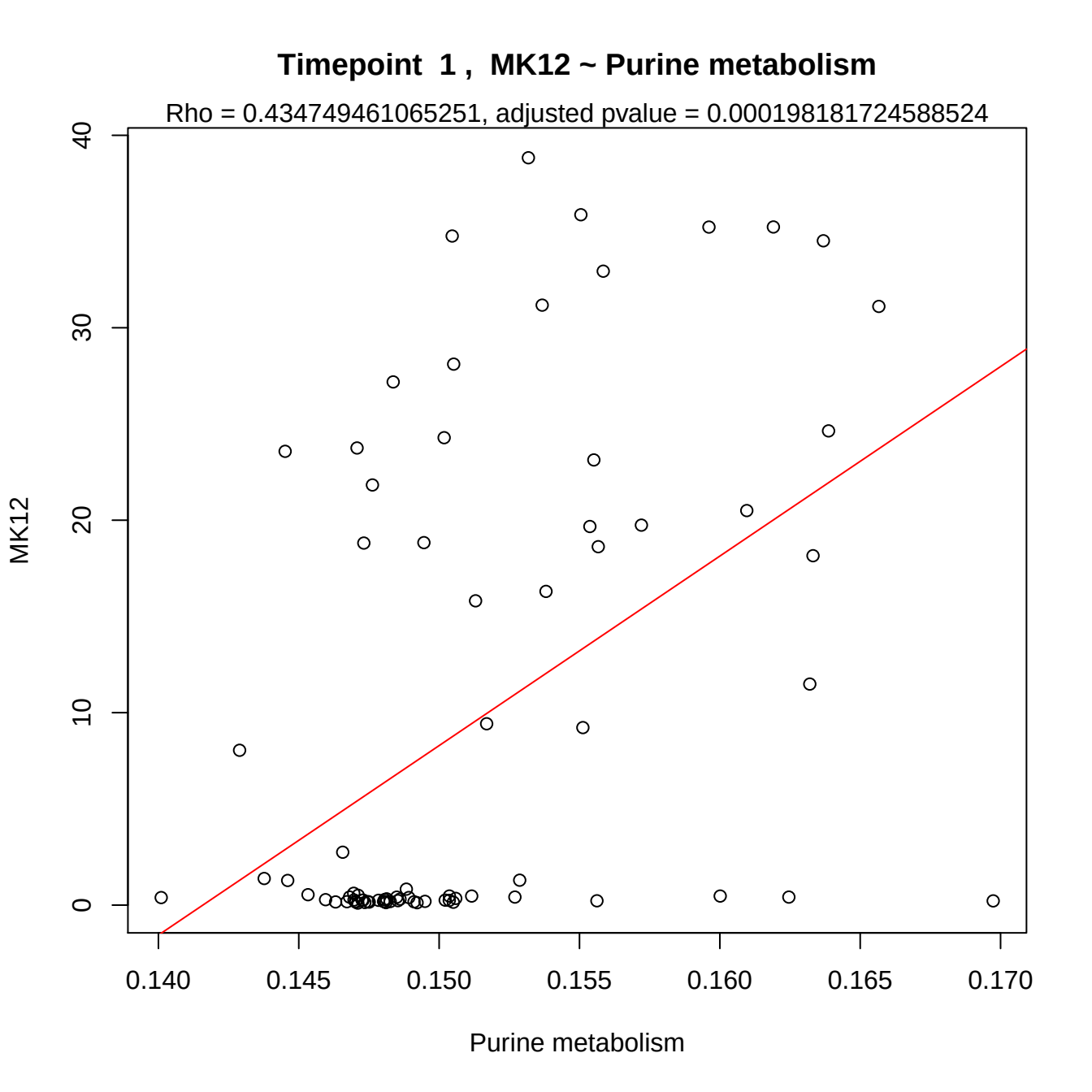

Timepoint 1 , MK12 ~ Peptidoglycan biosynthesis
Rho = 0.517061885482938, adjusted pvalue = 6.35205961082205e−06
MK12
0
10
20
30
40
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

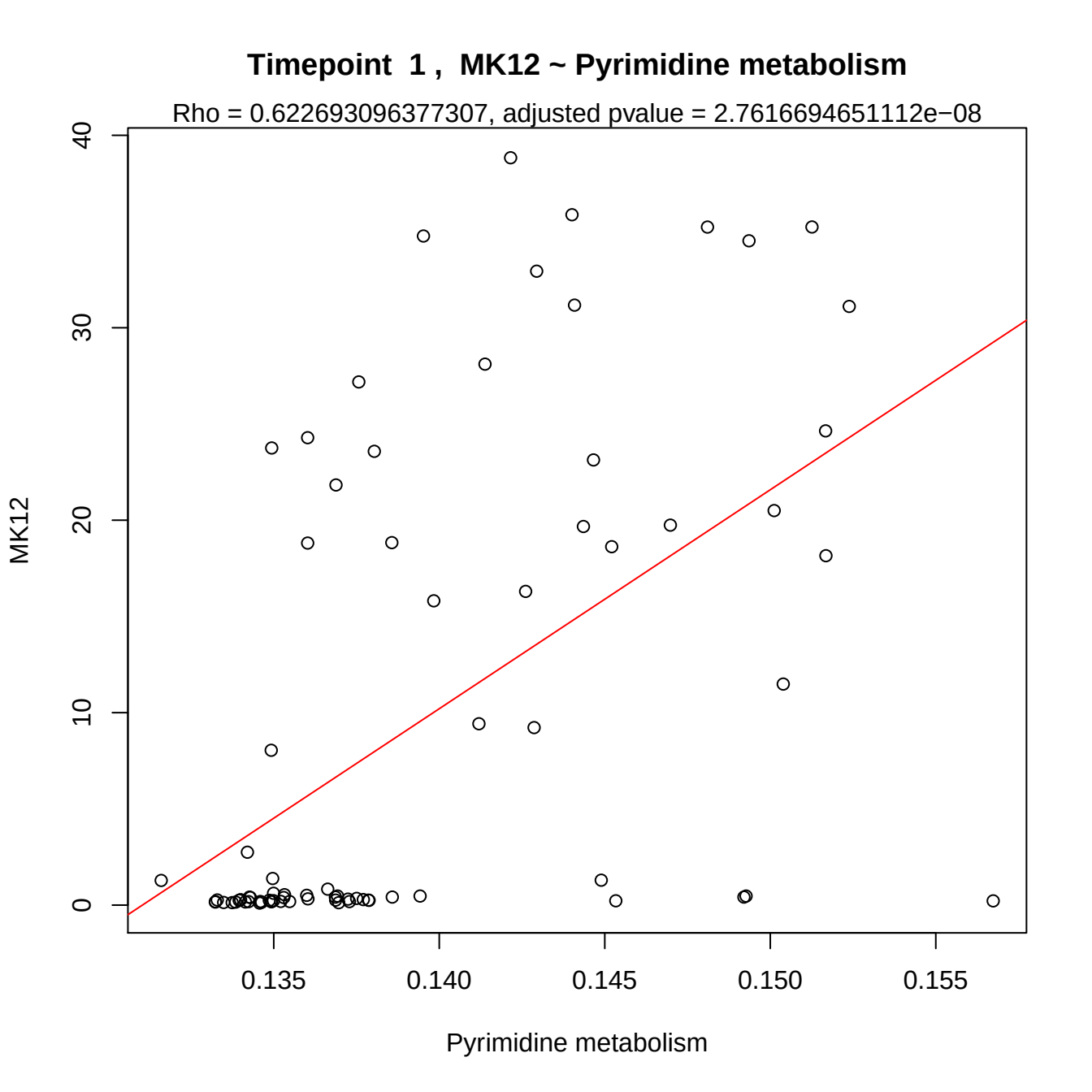

Timepoint 1 , MK12 ~ Phenylalanine metabolism
Rho = −0.304432409695568, adjusted pvalue = 0.0134571439113875
MK12
0
10
20
30
40
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

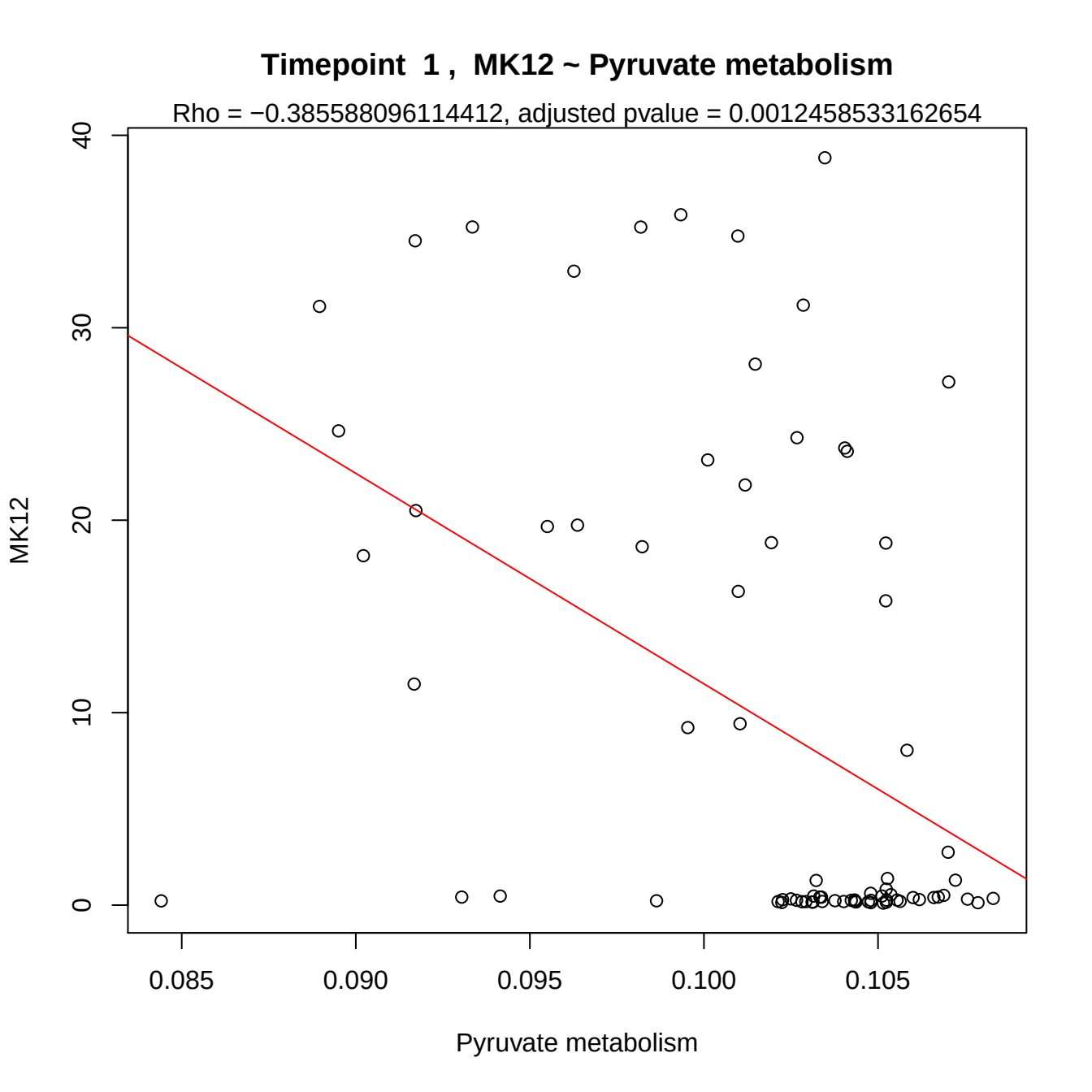

Timepoint 1 , MK12 ~ Phenylalanine, tyrosine and tryptophan biosynthes
Rho = −0.217861086282139, adjusted pvalue = 0.0862555022285457
MK12
0
10
20
30
40
0.088
0.090
0.092
0.094
0.096
0.098
0.100
Phenylalanine, tyrosine and tryptophan biosynthesis

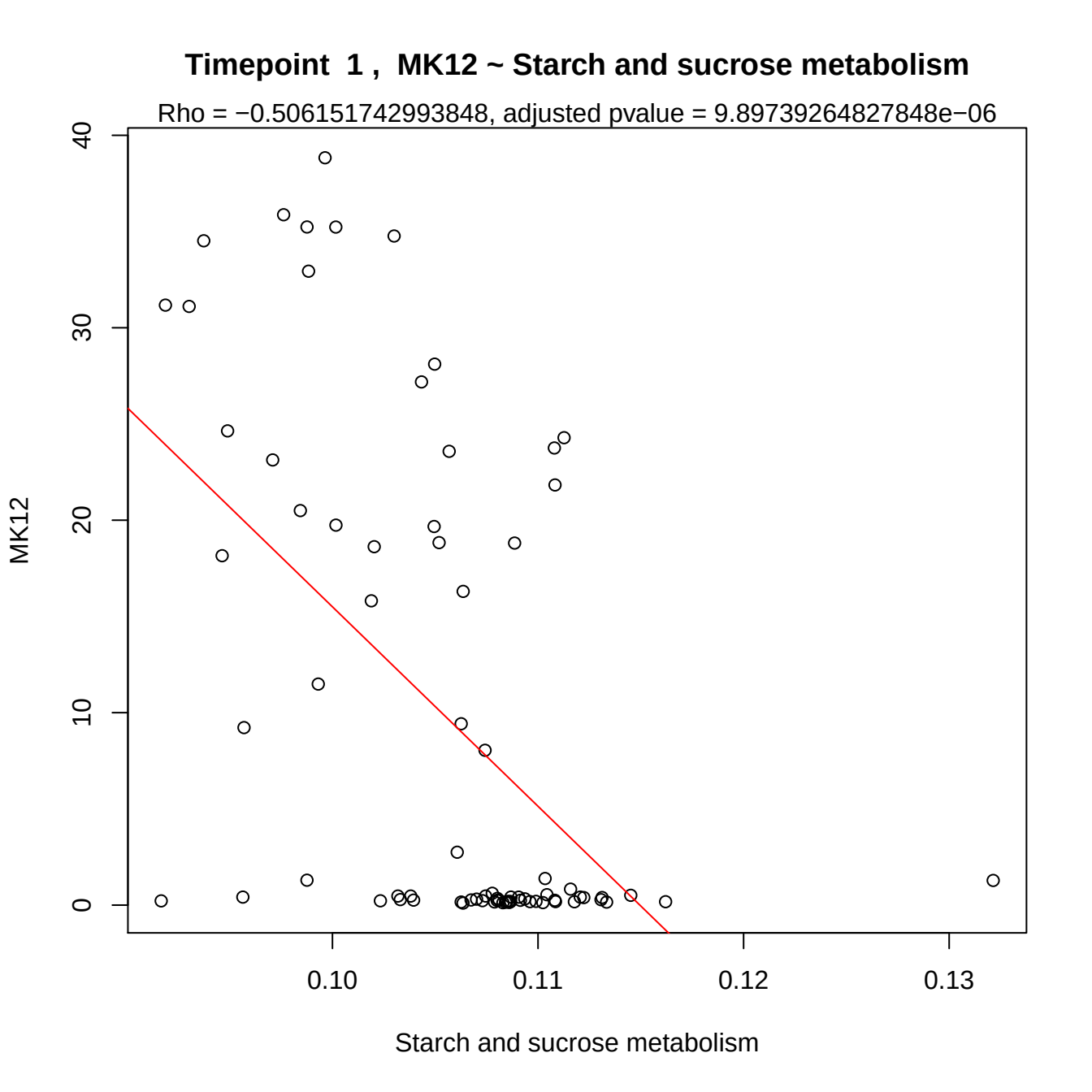

Timepoint 1 , MK12 ~ Phosphonate and phosphinate metabolism
Rho = −0.343708922656291, adjusted pvalue = 0.00475893534055364
MK12
0
10
20
30
40
0.020
0.025
0.030
Phosphonate and phosphinate metabolism

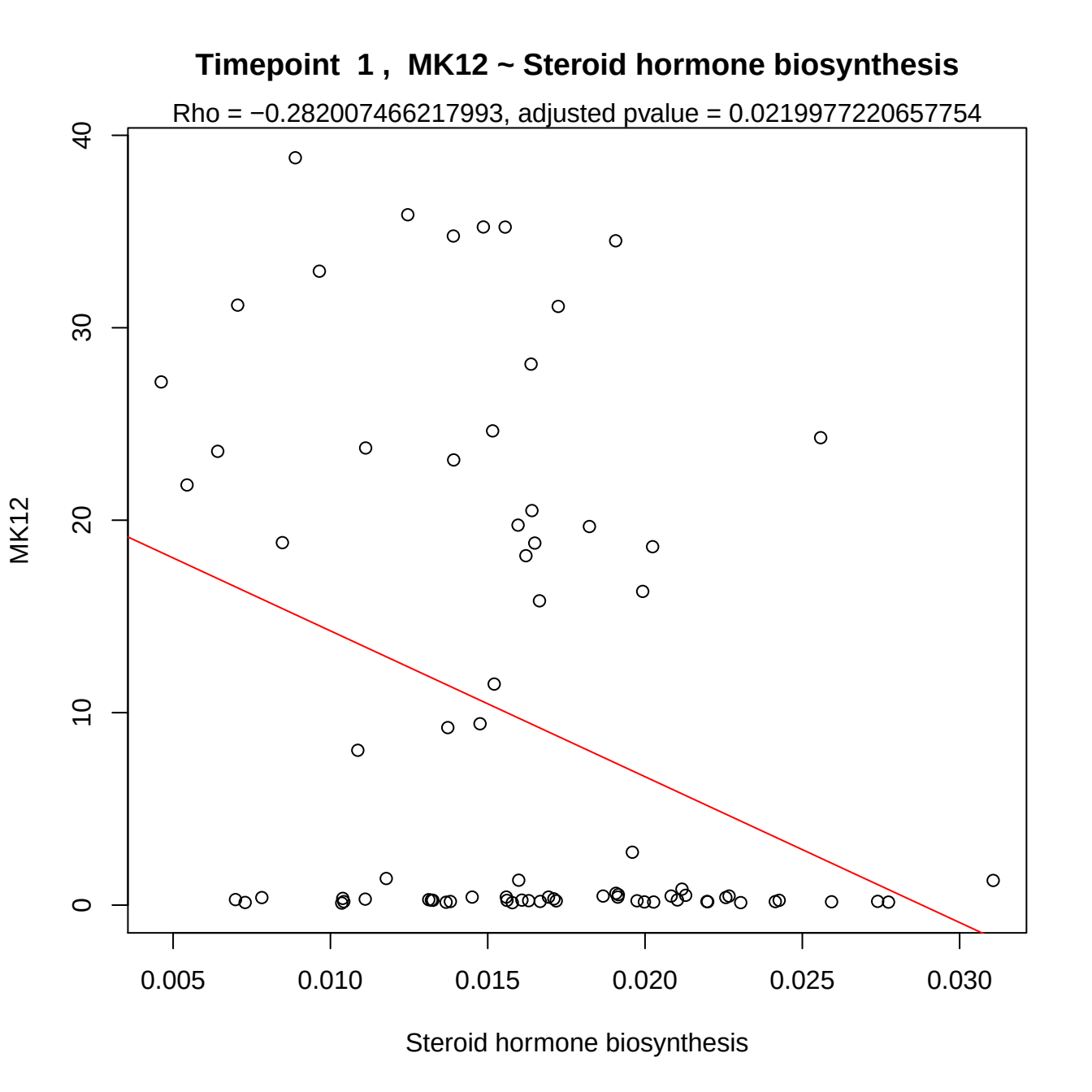

Timepoint 1 , MK12 ~ Primary bile acid biosynthesis
Rho = −0.604027551395972, adjusted pvalue = 8.44466845400798e−08
MK12
0
10
20
30
40
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

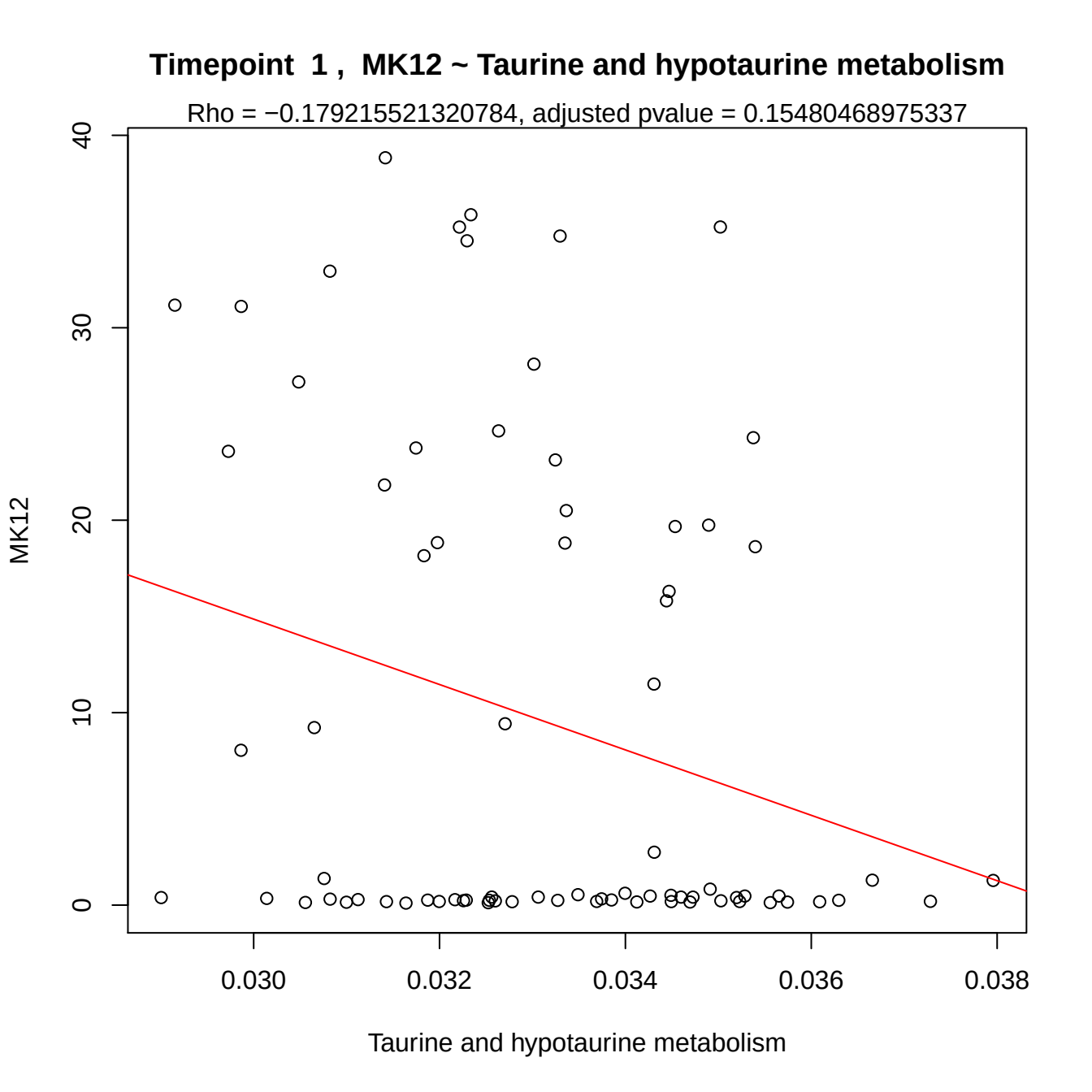

Timepoint 1 , MK12 ~ Purine metabolism
Rho = 0.434749461065251, adjusted pvalue = 0.000198181724588524
MK12
0
10
20
30
40
0.140
0.145
0.150
0.155
0.160
0.165
0.170
Purine metabolism

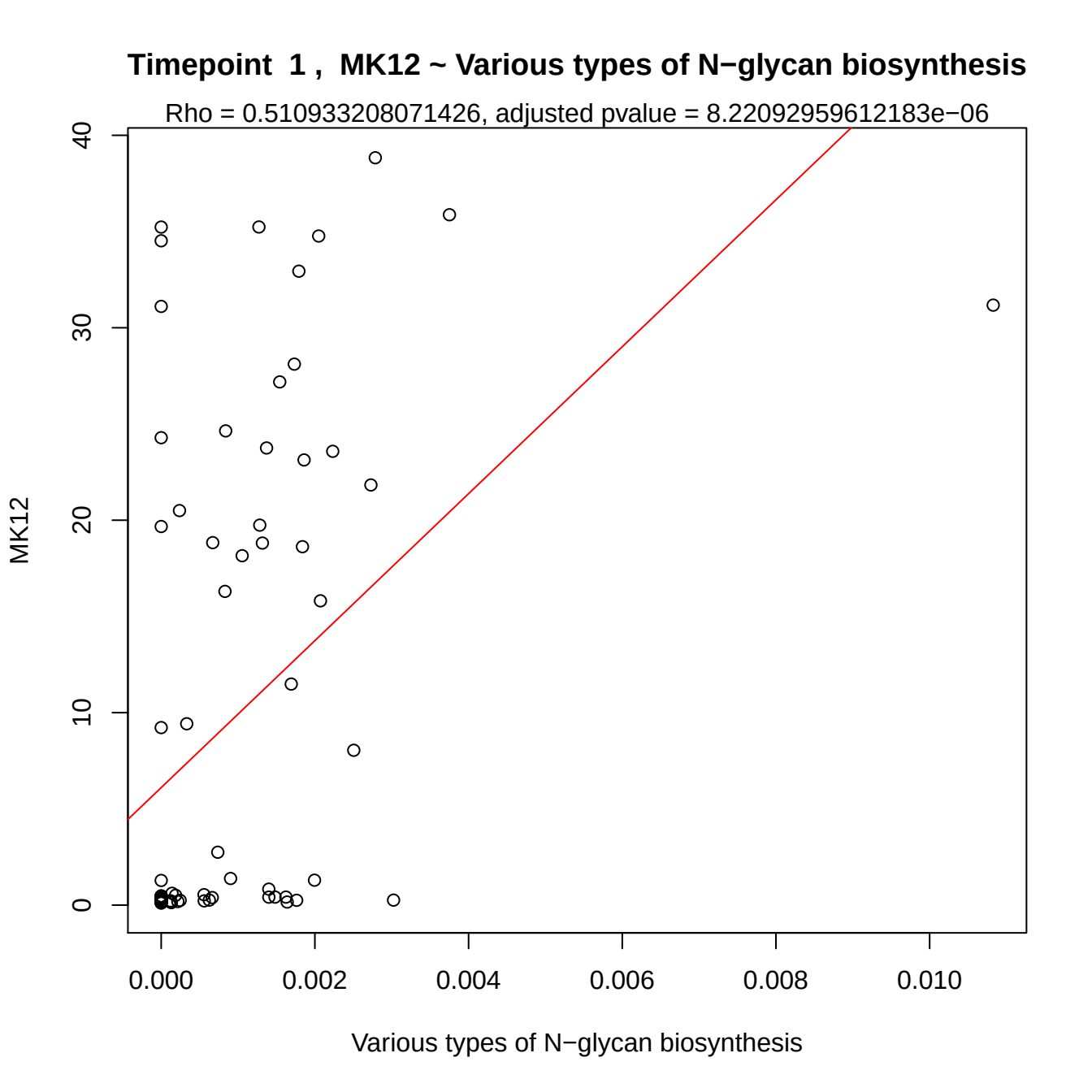

Timepoint 1 , MK12 ~ Pyrimidine metabolism
Rho = 0.622693096377307, adjusted pvalue = 2.7616694651112e−08
MK12
0
10
20
30
40
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

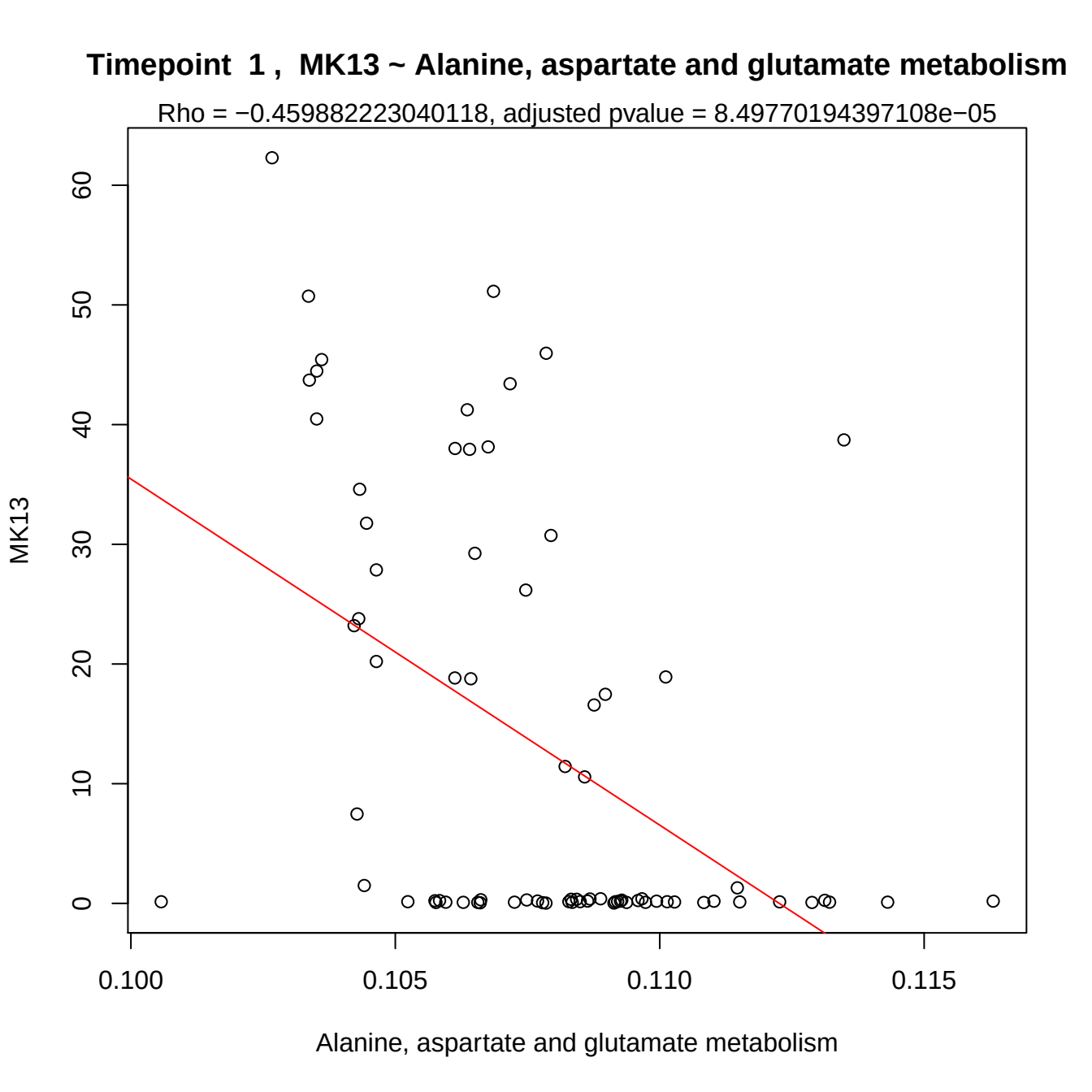

Timepoint 1 , MK12 ~ Pyruvate metabolism
Rho = −0.385588096114412, adjusted pvalue = 0.0012458533162654
MK12
0
10
20
30
40
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

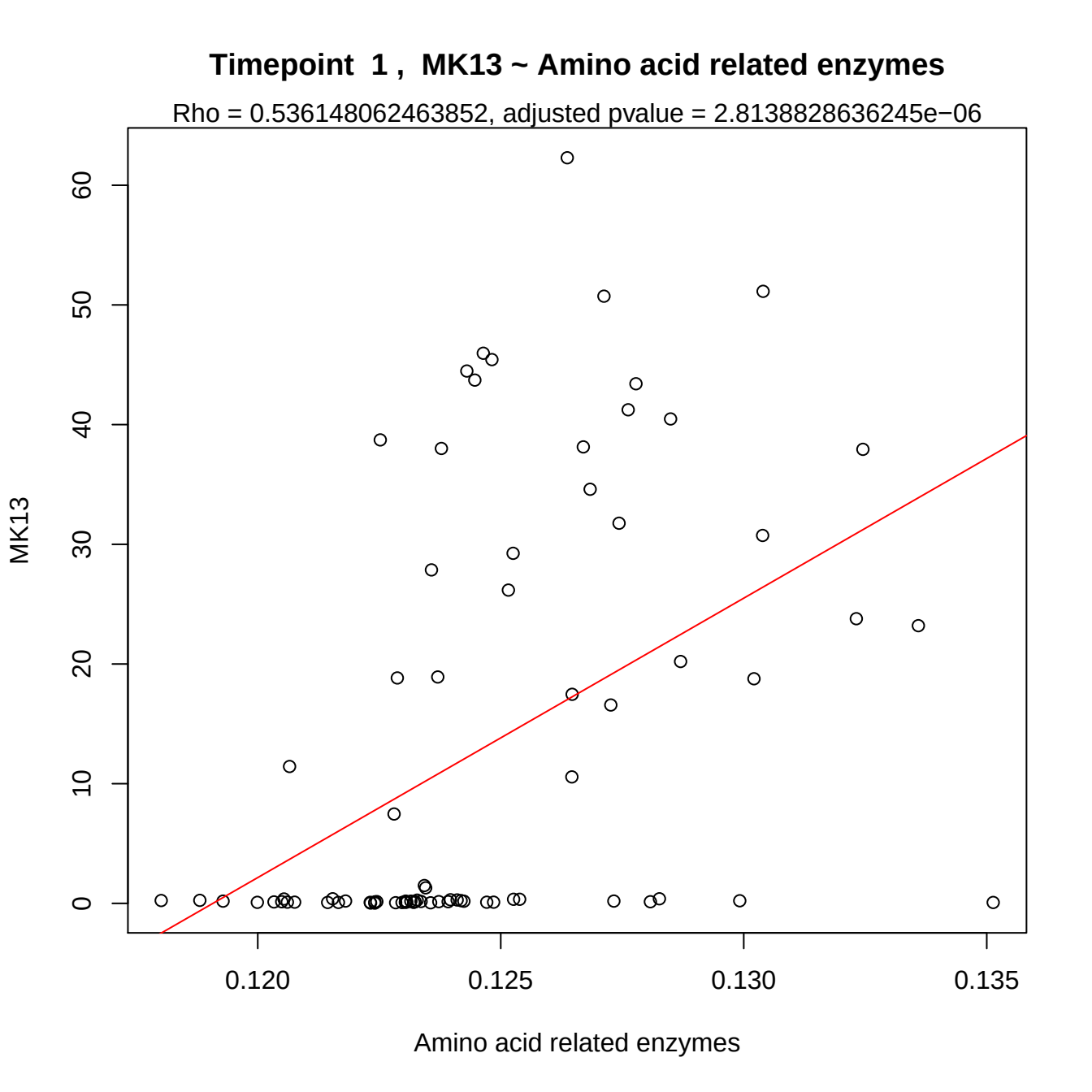

Timepoint 1 , MK12 ~ Starch and sucrose metabolism
Rho = −0.506151742993848, adjusted pvalue = 9.89739264827848e−06
MK12
0
10
20
30
40
0.10
0.11
0.12
0.13
Starch and sucrose metabolism

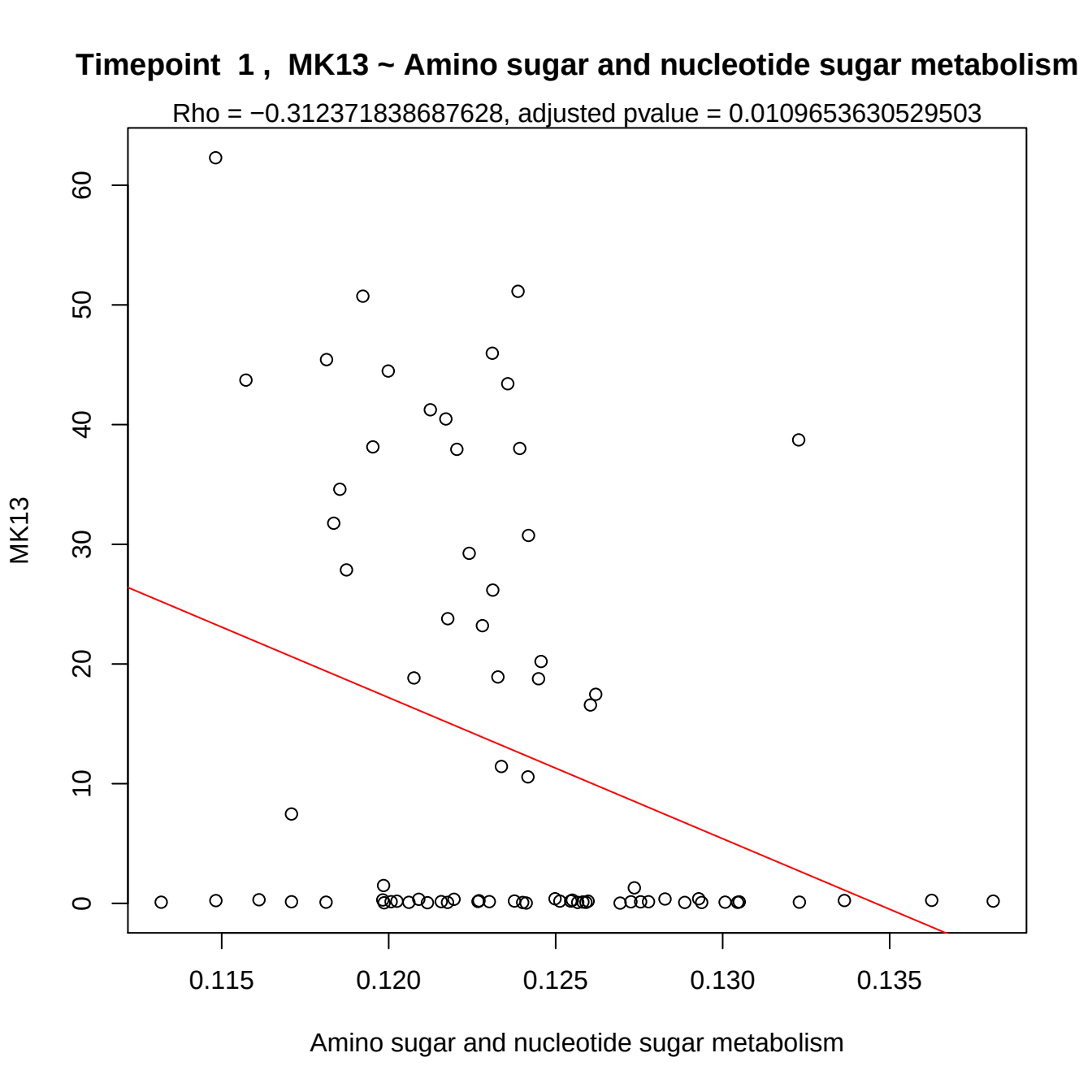

Timepoint 1 , MK12 ~ Steroid hormone biosynthesis
Rho = −0.282007466217993, adjusted pvalue = 0.0219977220657754
MK12
0
10
20
30
40
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis

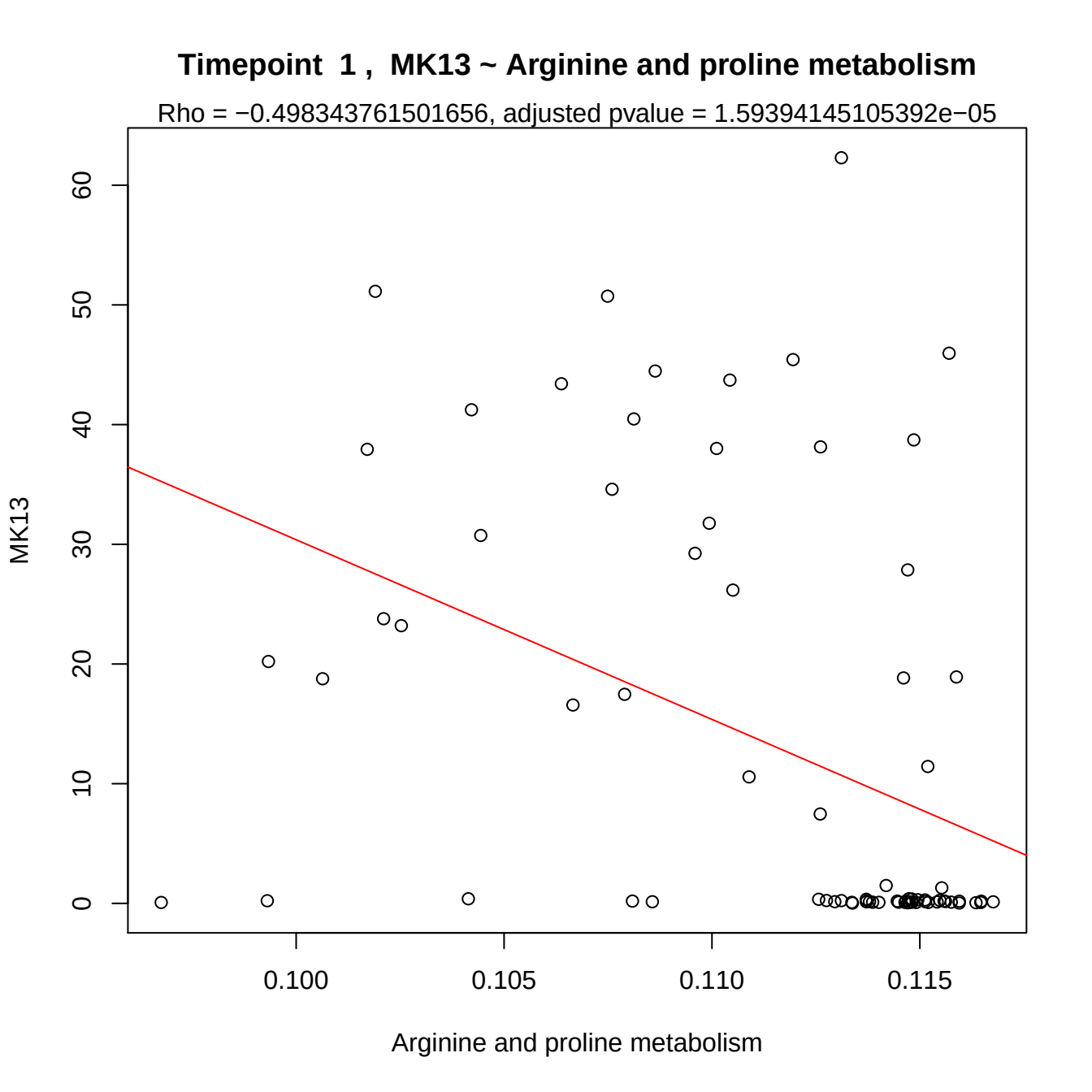

Timepoint 1 , MK12 ~ Taurine and hypotaurine metabolism
Rho = −0.179215521320784, adjusted pvalue = 0.15480468975337
MK12
0
10
20
30
40
0.030
0.032
0.034
0.036
0.038
Taurine and hypotaurine metabolism

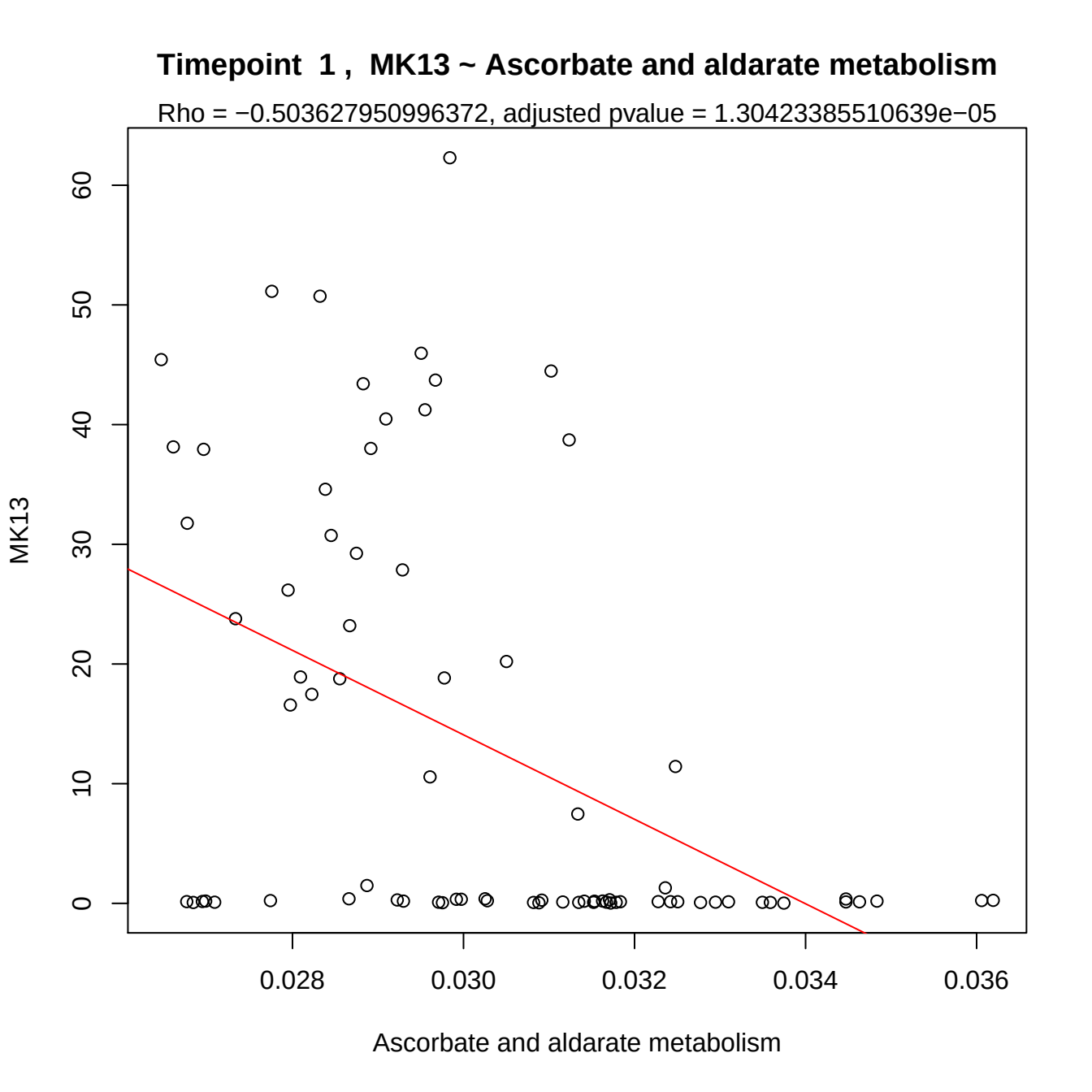

Timepoint 1 , MK12 ~ Various types of N−glycan biosynthesis
Rho = 0.510933208071426, adjusted pvalue = 8.22092959612183e−06
MK12
0
10
20
30
40
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis

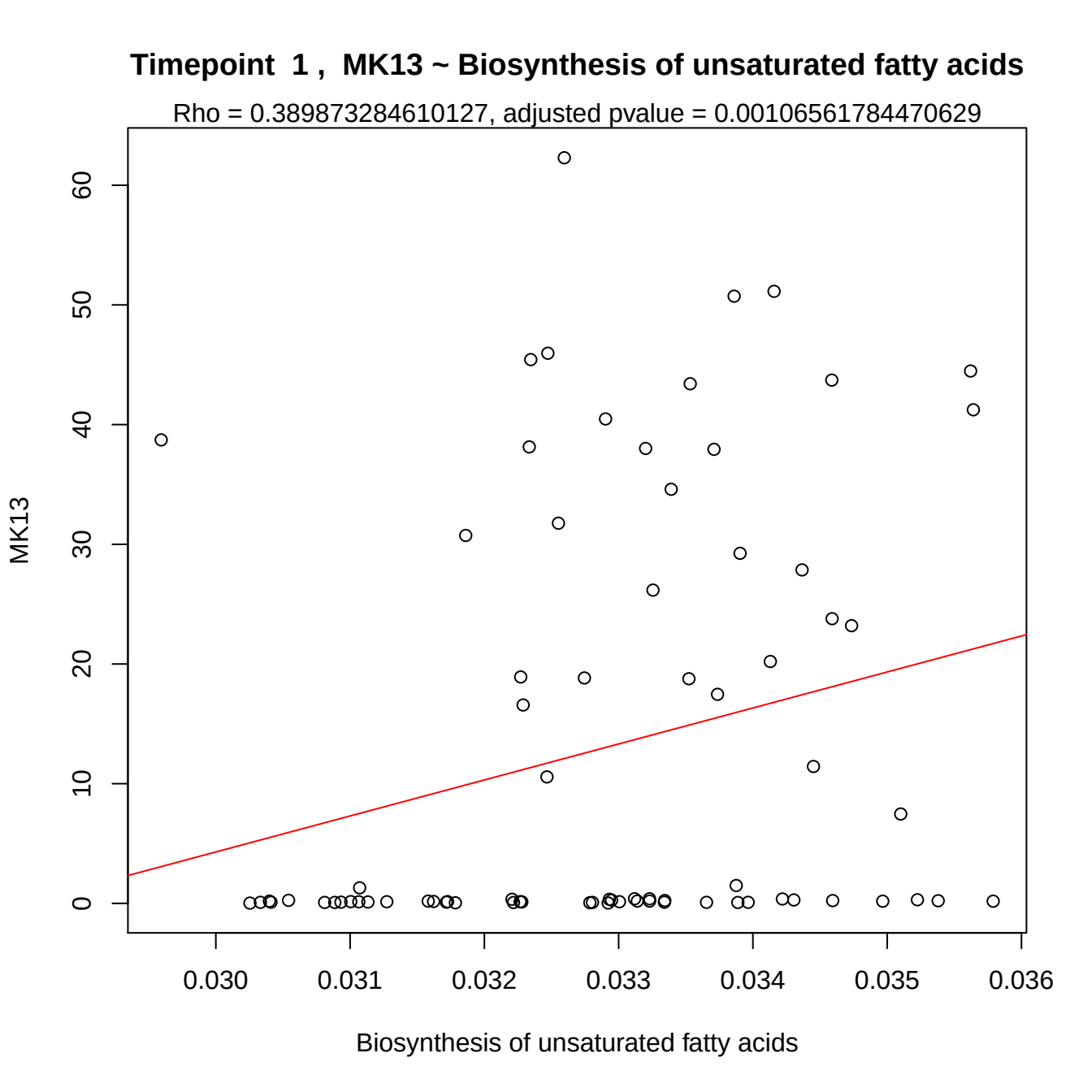

Timepoint 1 , MK13 ~ Alanine, aspartate and glutamate metabolism
Rho = −0.459882223040118, adjusted pvalue = 8.49770194397108e−05
MK13
0
10
20
30
40
50
60
0.100
0.105
0.110
0.115
Alanine, aspartate and glutamate metabolism

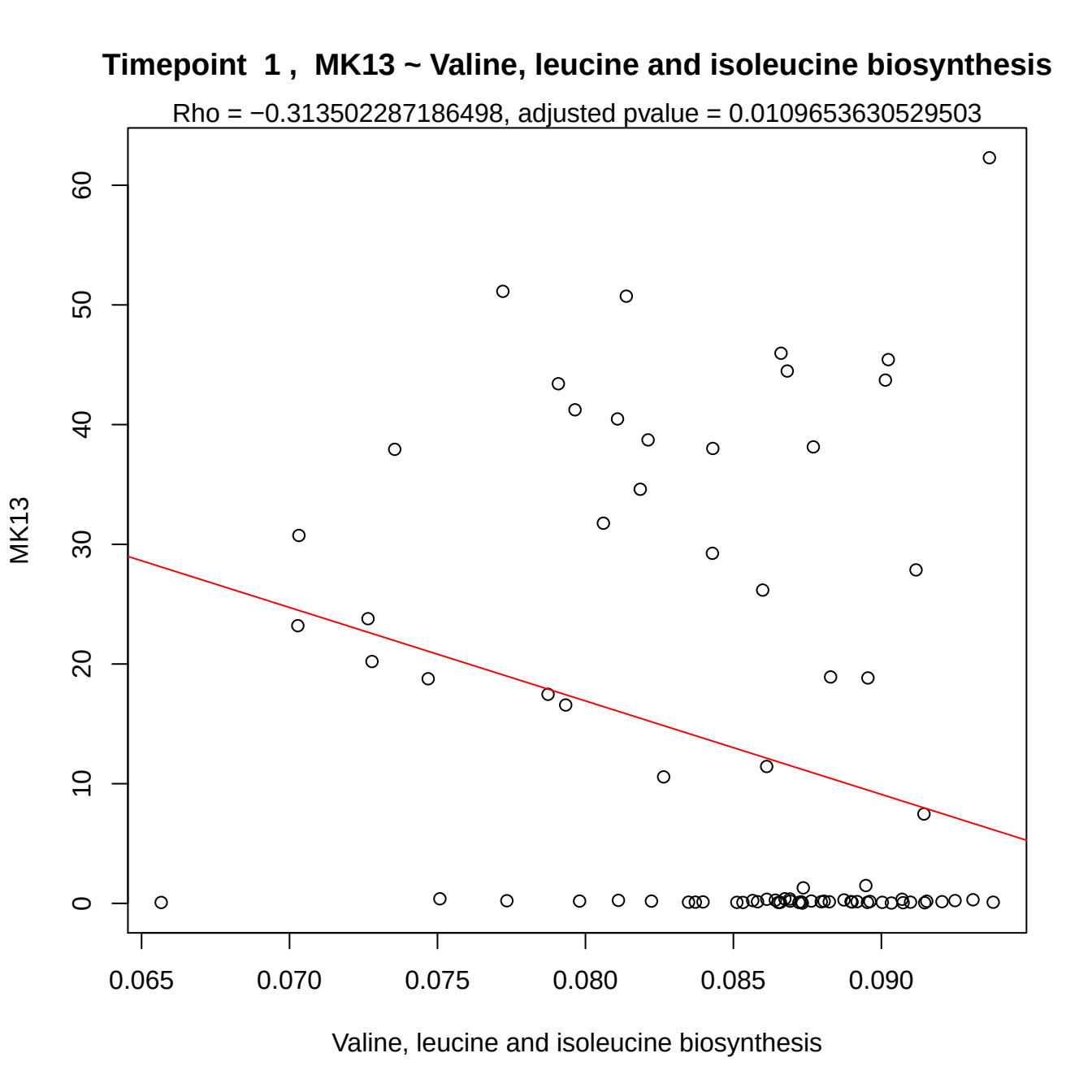

Timepoint 1 , MK13 ~ Amino acid related enzymes
Rho = 0.536148062463852, adjusted pvalue = 2.8138828636245e−06
MK13
0
10
20
30
40
50
60
0.120
0.125
0.130
0.135
Amino acid related enzymes

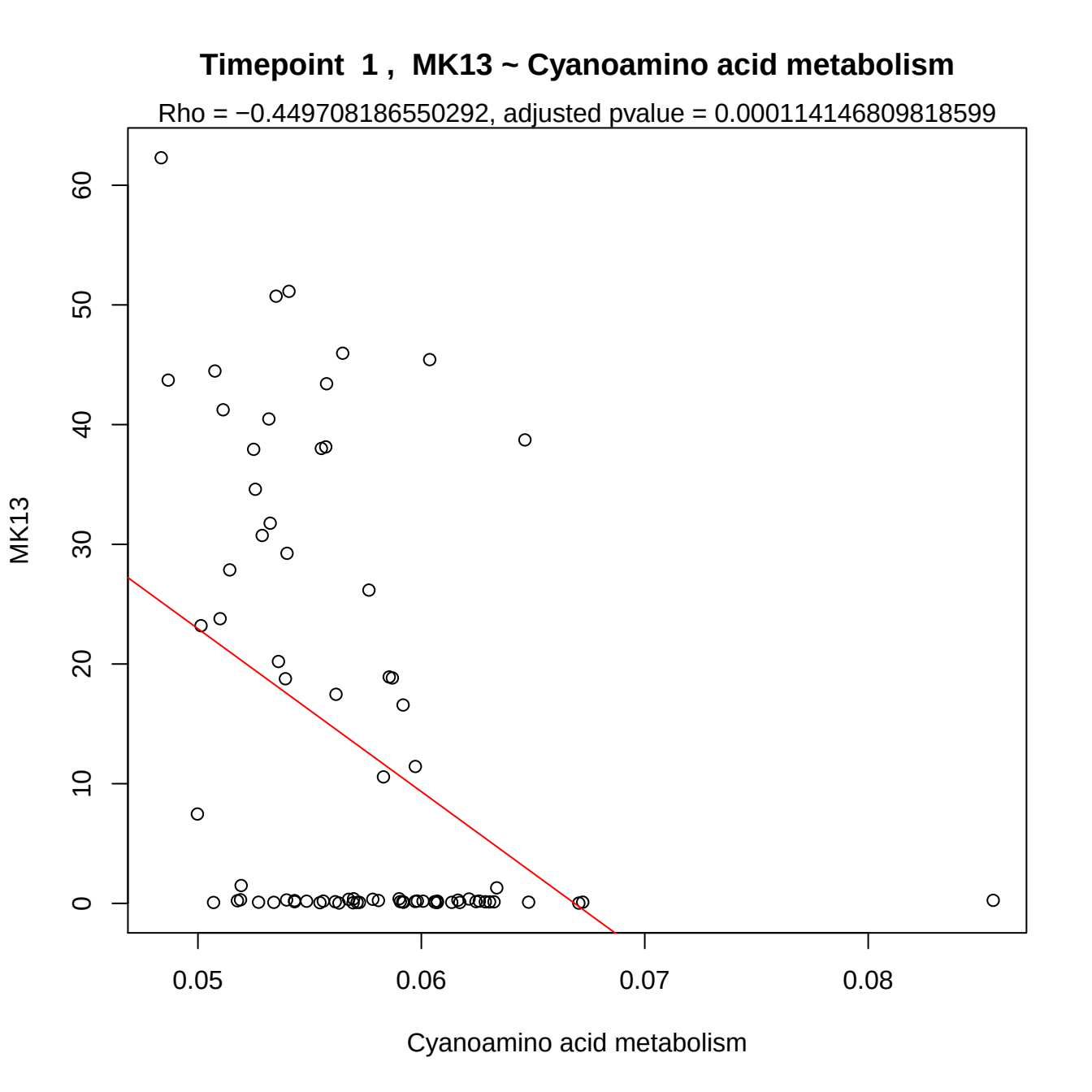

Timepoint 1 , MK13 ~ Amino sugar and nucleotide sugar metabolism
Rho = −0.312371838687628, adjusted pvalue = 0.0109653630529503
MK13
0
10
20
30
40
50
60
0.115
0.120
0.125
0.130
0.135
Amino sugar and nucleotide sugar metabolism

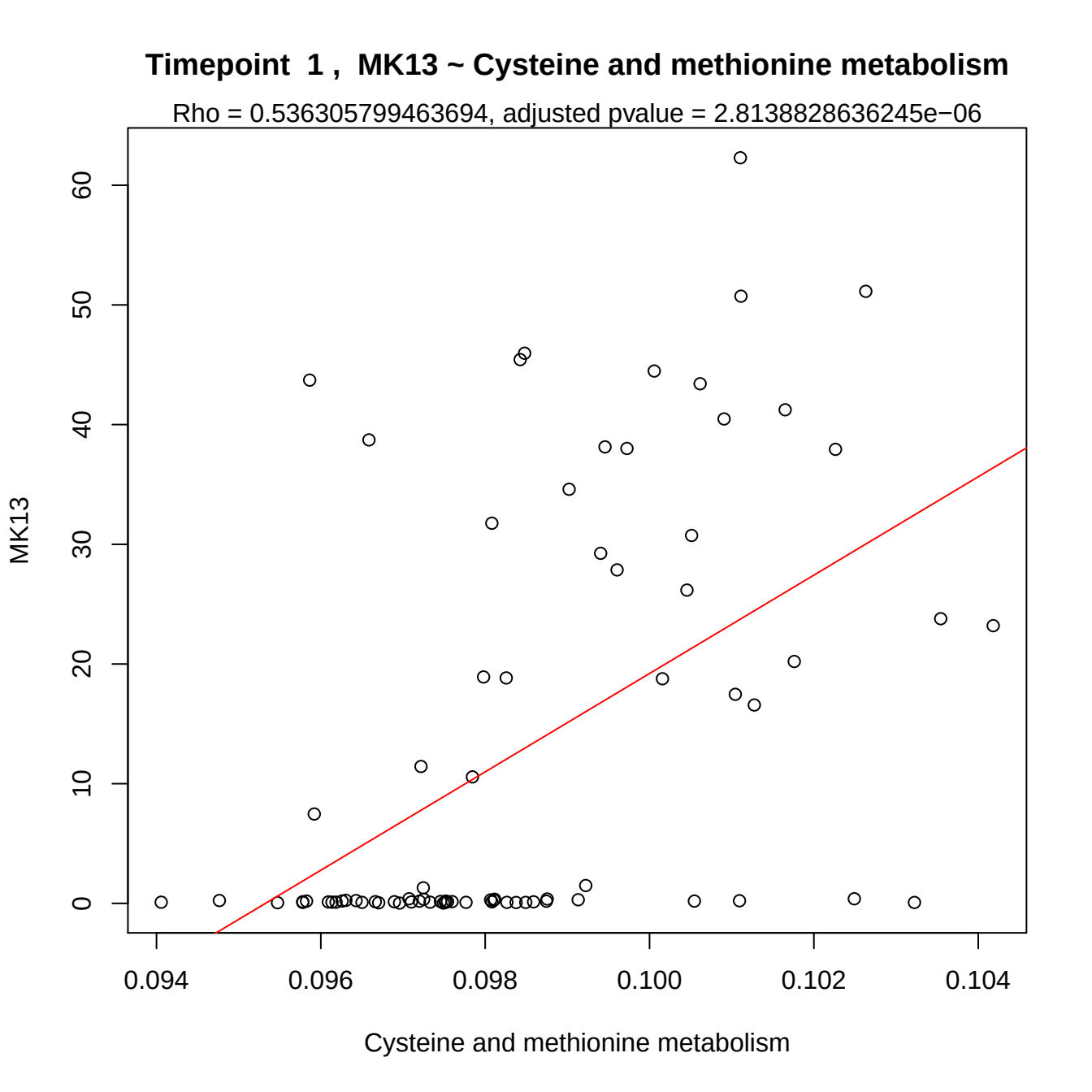

Timepoint 1 , MK13 ~ Arginine and proline metabolism
Rho = −0.498343761501656, adjusted pvalue = 1.59394145105392e−05
MK13
0
10
20
30
40
50
60
0.100
0.105
0.110
0.115
Arginine and proline metabolism

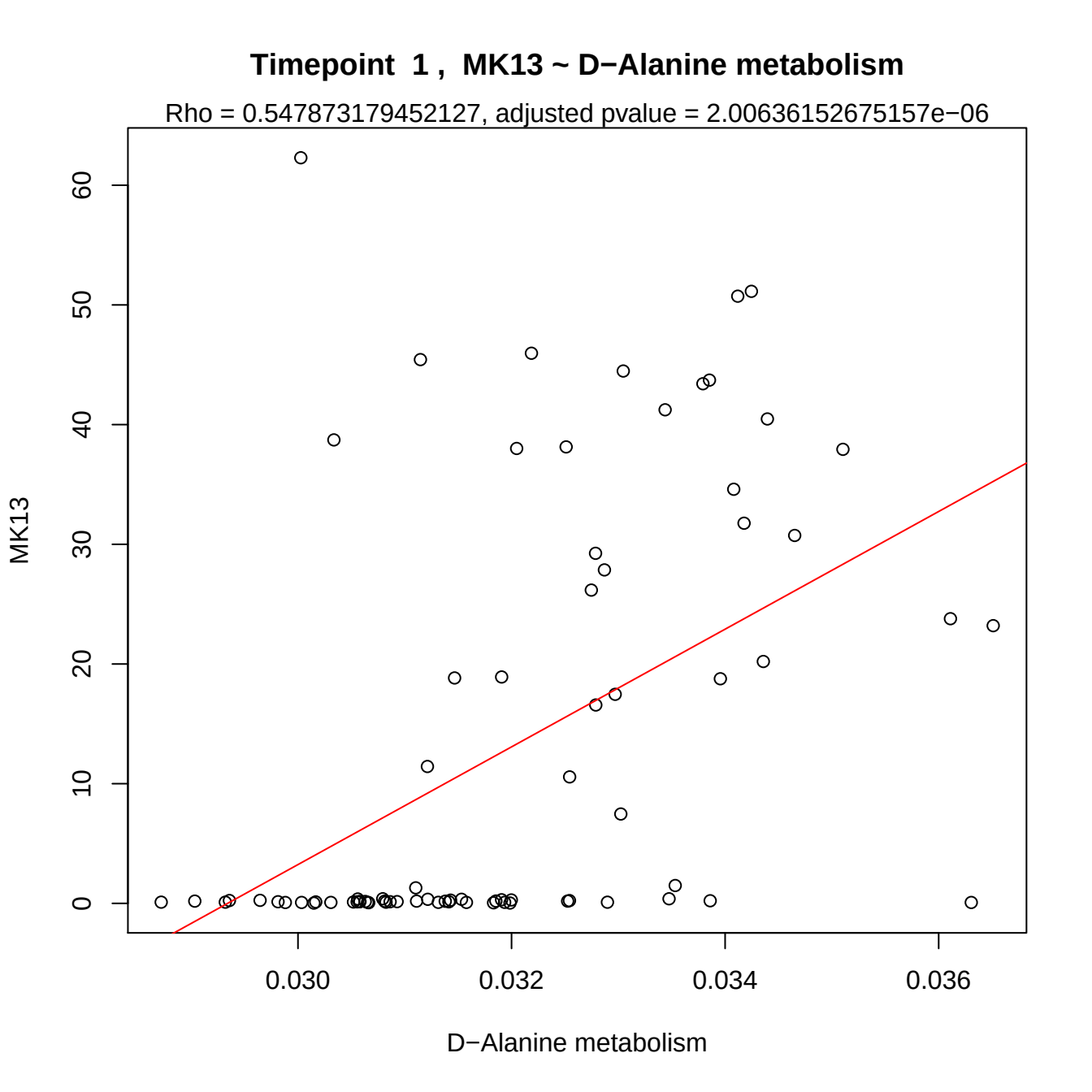

Timepoint 1 , MK13 ~ Ascorbate and aldarate metabolism
Rho = −0.503627950996372, adjusted pvalue = 1.30423385510639e−05
MK13
0
10
20
30
40
50
60
0.028
0.030
0.032
0.034
0.036
Ascorbate and aldarate metabolism

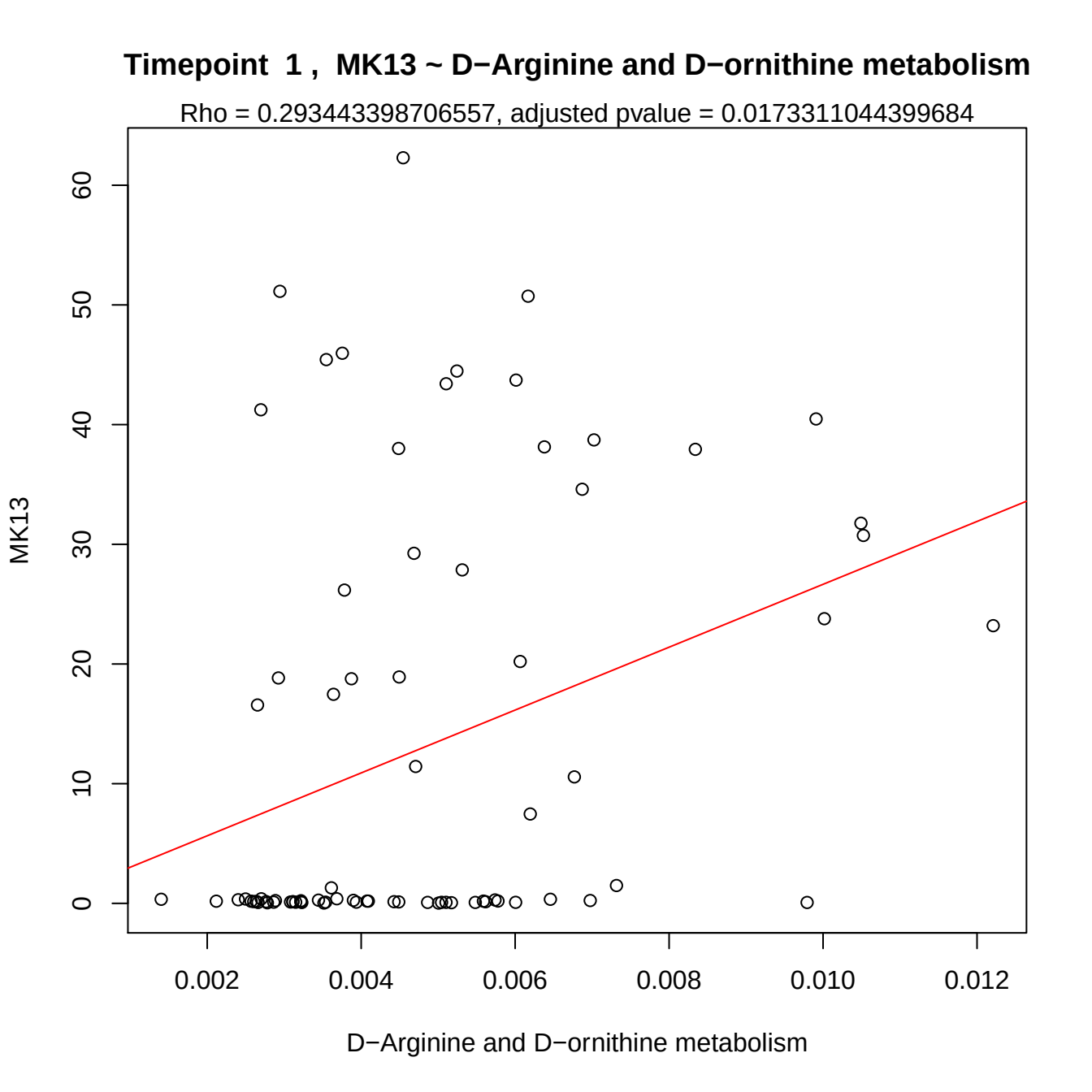

Timepoint 1 , MK13 ~ Biosynthesis of unsaturated fatty acids
Rho = 0.389873284610127, adjusted pvalue = 0.00106561784470629
MK13
0
10
20
30
40
50
60
0.030
0.031
0.032
0.033
0.034
0.035
0.036
Biosynthesis of unsaturated fatty acids

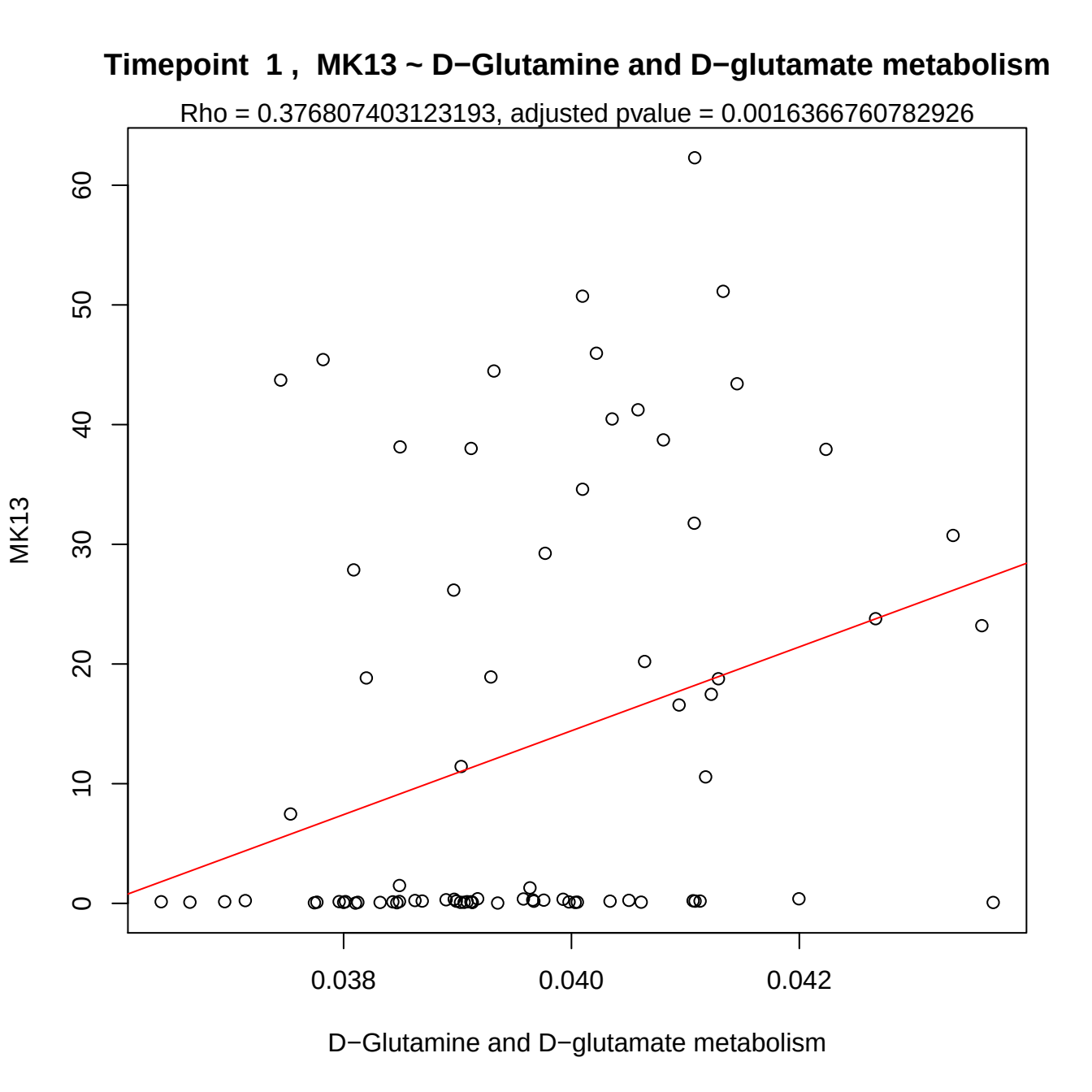

Timepoint 1 , MK13 ~ Valine, leucine and isoleucine biosynthesis
Rho = −0.313502287186498, adjusted pvalue = 0.0109653630529503
MK13
0
10
20
30
40
50
60
0.065
0.070
0.075
0.080
0.085
0.090
Valine, leucine and isoleucine biosynthesis

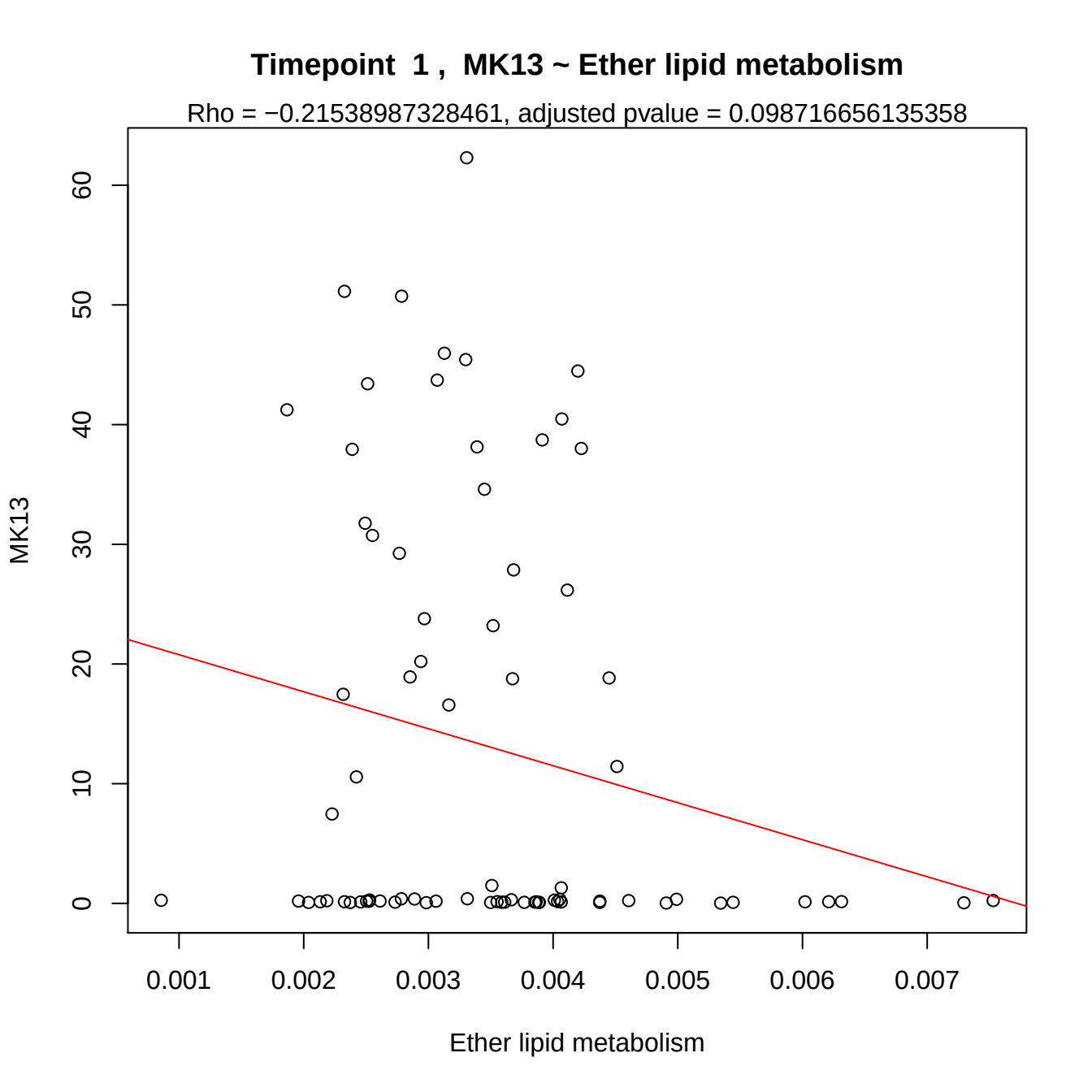

Timepoint 1 , MK13 ~ Cyanoamino acid metabolism
Rho = −0.449708186550292, adjusted pvalue = 0.000114146809818599
MK13
0
10
20
30
40
50
60
0.05
0.06
0.07
0.08
Cyanoamino acid metabolism

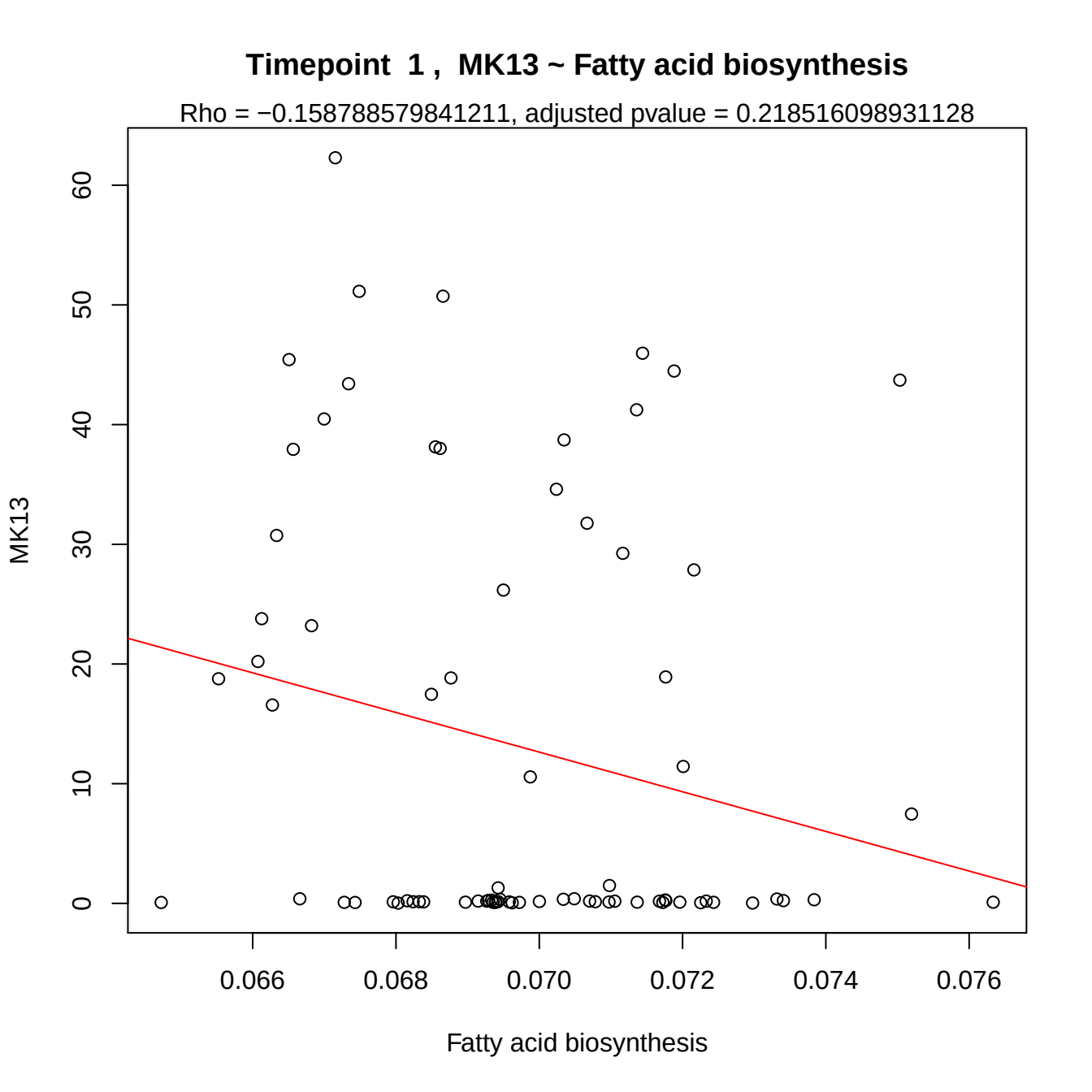

Timepoint 1 , MK13 ~ Cysteine and methionine metabolism
Rho = 0.536305799463694, adjusted pvalue = 2.8138828636245e−06
MK13
0
10
20
30
40
50
60
0.094
0.096
0.098
0.100
0.102
0.104
Cysteine and methionine metabolism

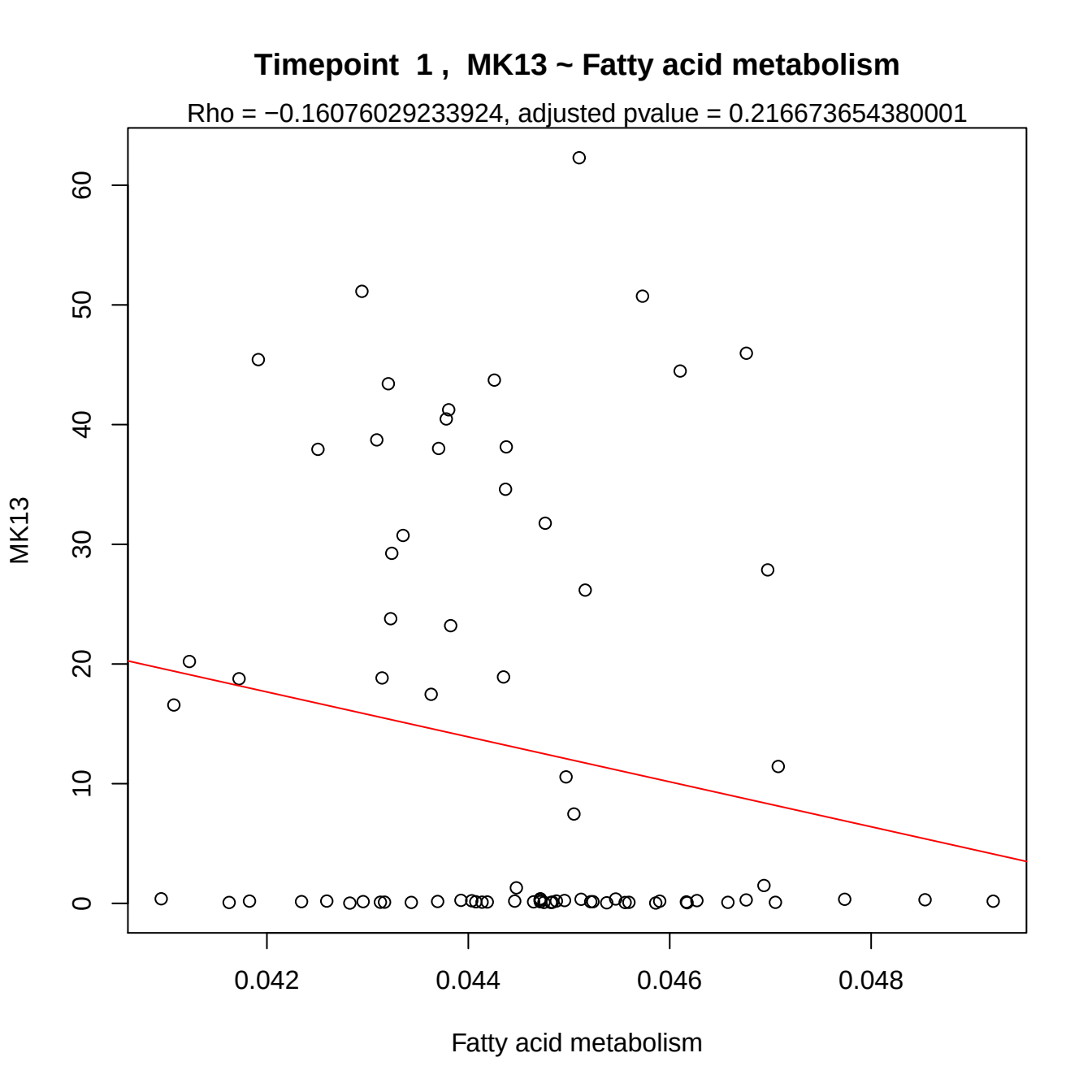

Timepoint 1 , MK13 ~ D−Alanine metabolism
Rho = 0.547873179452127, adjusted pvalue = 2.00636152675157e−06
MK13
0
10
20
30
40
50
60
0.030
0.032
0.034
0.036
D−Alanine metabolism

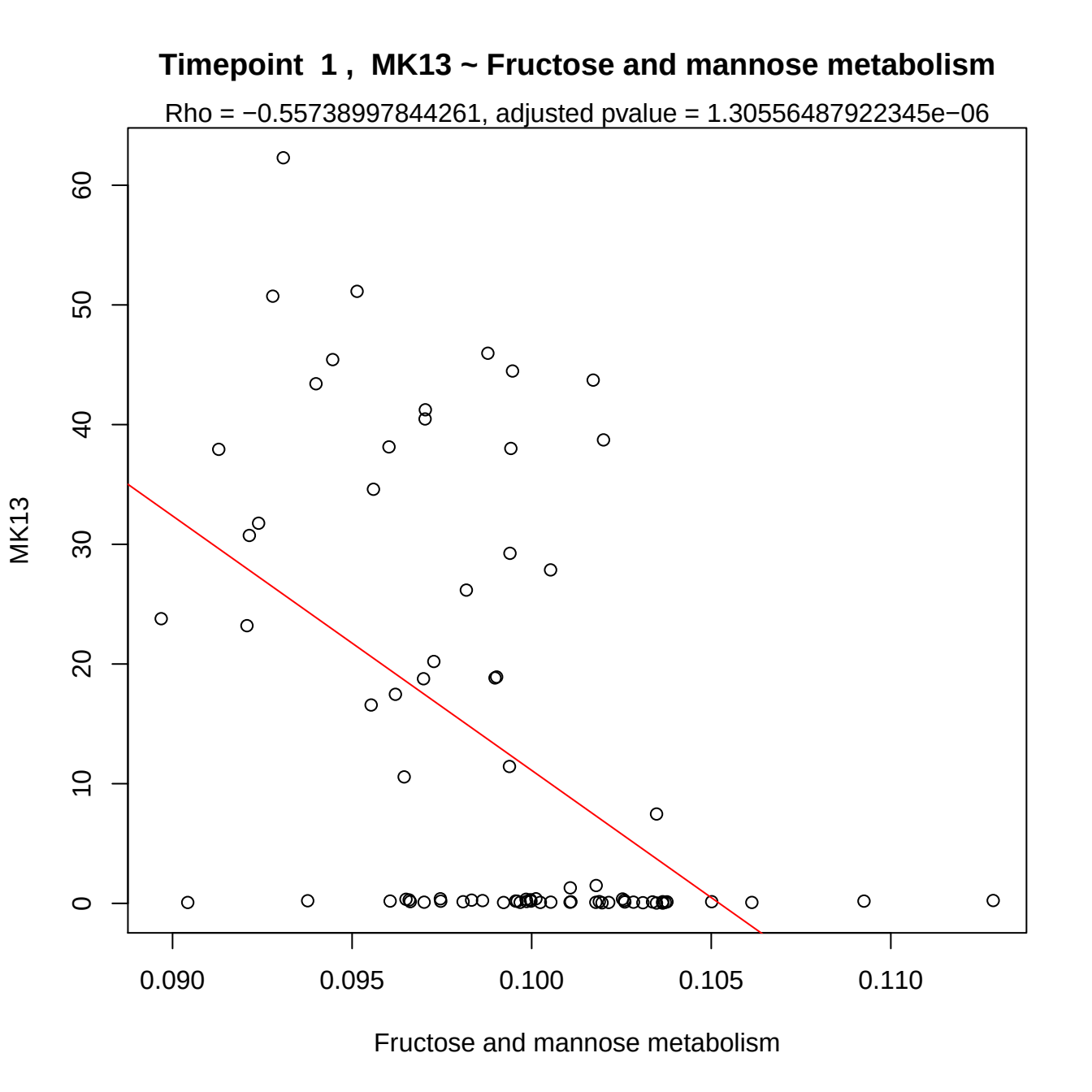

Timepoint 1 , MK13 ~ D−Arginine and D−ornithine metabolism
Rho = 0.293443398706557, adjusted pvalue = 0.0173311044399684
MK13
0
10
20
30
40
50
60
0.002
0.004
0.006
0.008
0.010
0.012
D−Arginine and D−ornithine metabolism

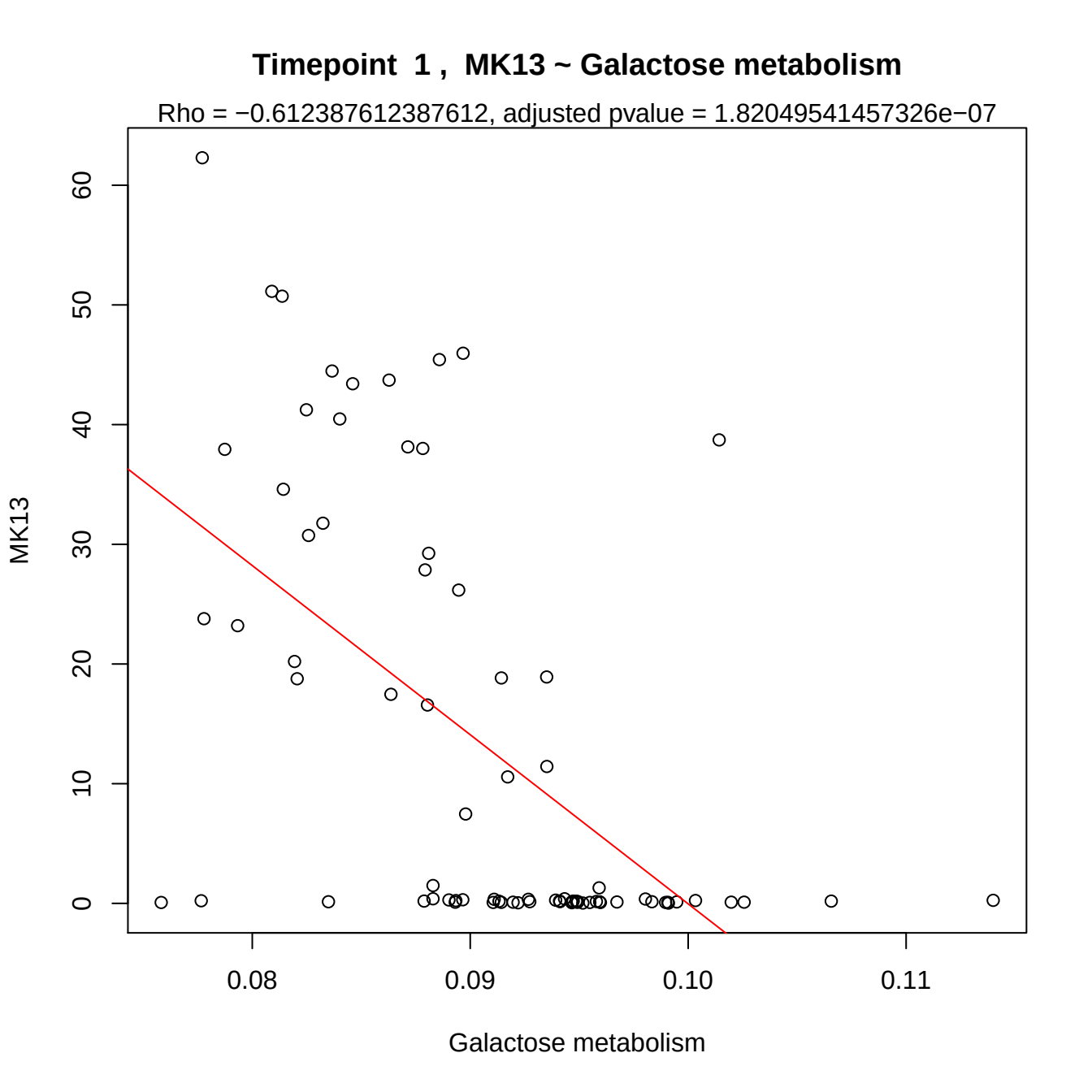

Timepoint 1 , MK13 ~ D−Glutamine and D−glutamate metabolism
Rho = 0.376807403123193, adjusted pvalue = 0.0016366760782926
MK13
0
10
20
30
40
50
60
0.038
0.040
0.042
D−Glutamine and D−glutamate metabolism

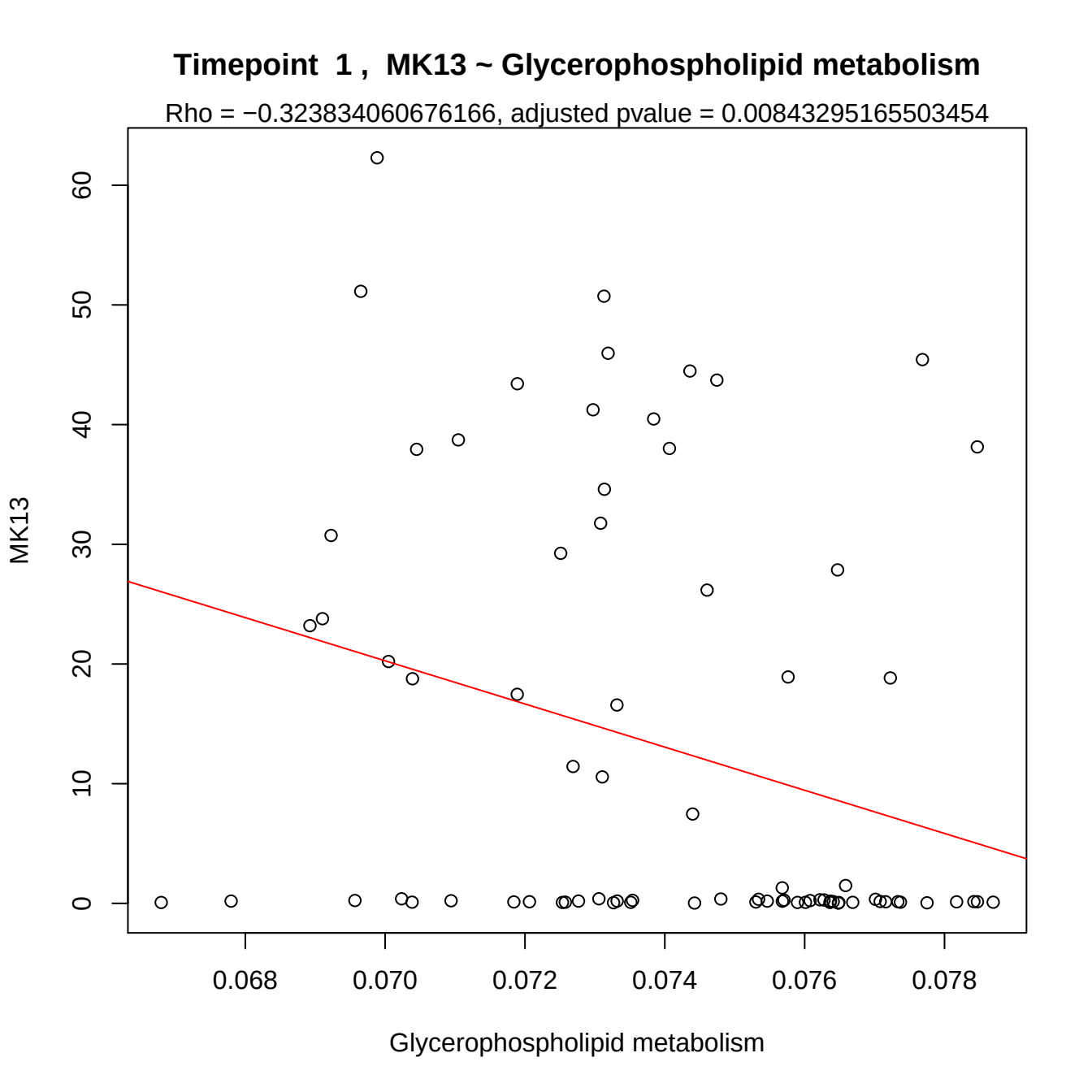

Timepoint 1 , MK13 ~ Ether lipid metabolism
Rho = −0.21538987328461, adjusted pvalue = 0.098716656135358
MK13
0
10
20
30
40
50
60
0.001
0.002
0.003
0.004
0.005
0.006
0.007
Ether lipid metabolism

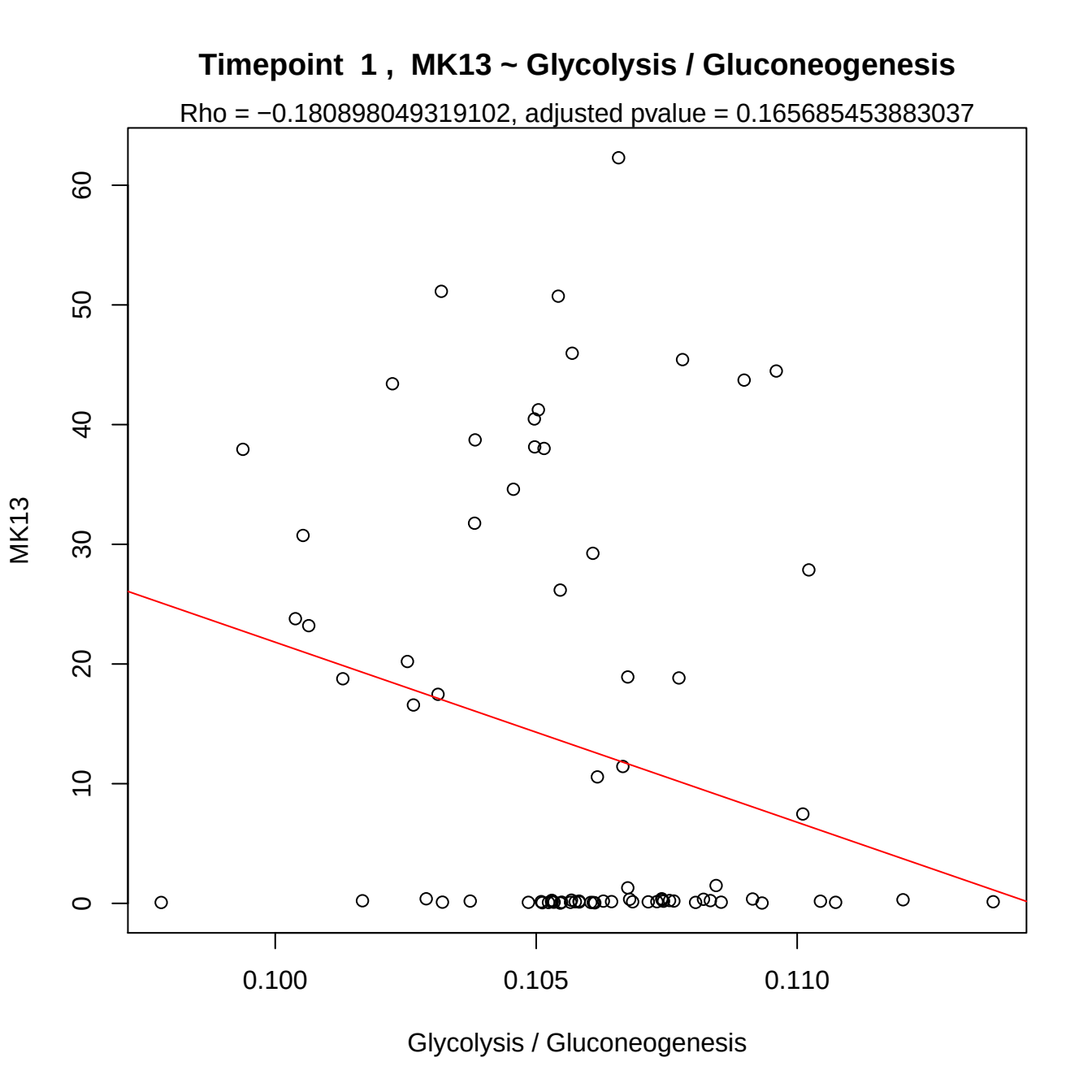

Timepoint 1 , MK13 ~ Fatty acid biosynthesis
Rho = −0.158788579841211, adjusted pvalue = 0.218516098931128
MK13
0
10
20
30
40
50
60
0.066
0.068
0.070
0.072
0.074
0.076
Fatty acid biosynthesis

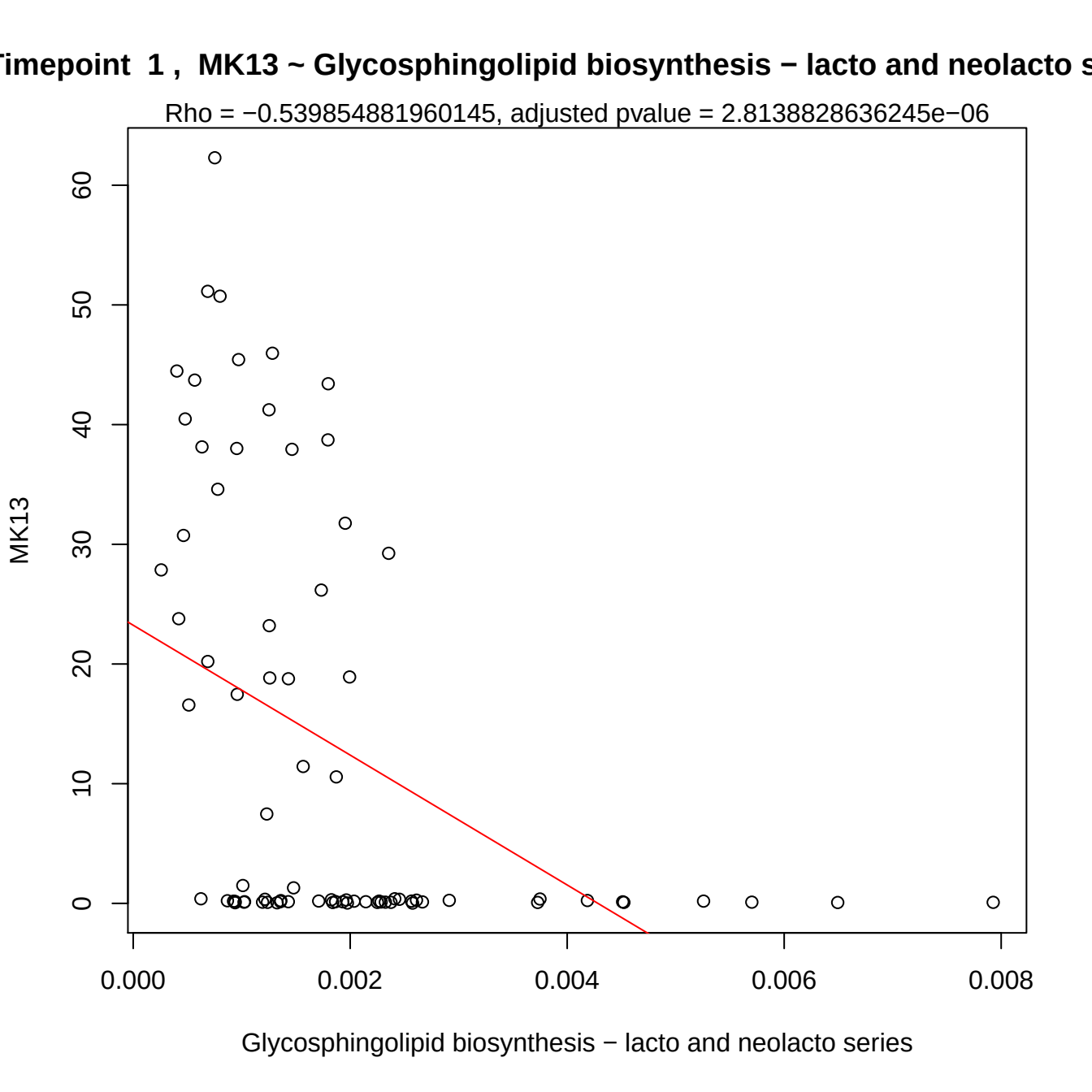

Timepoint 1 , MK13 ~ Fatty acid metabolism
Rho = −0.16076029233924, adjusted pvalue = 0.216673654380001
MK13
0
10
20
30
40
50
60
0.042
0.044
0.046
0.048
Fatty acid metabolism

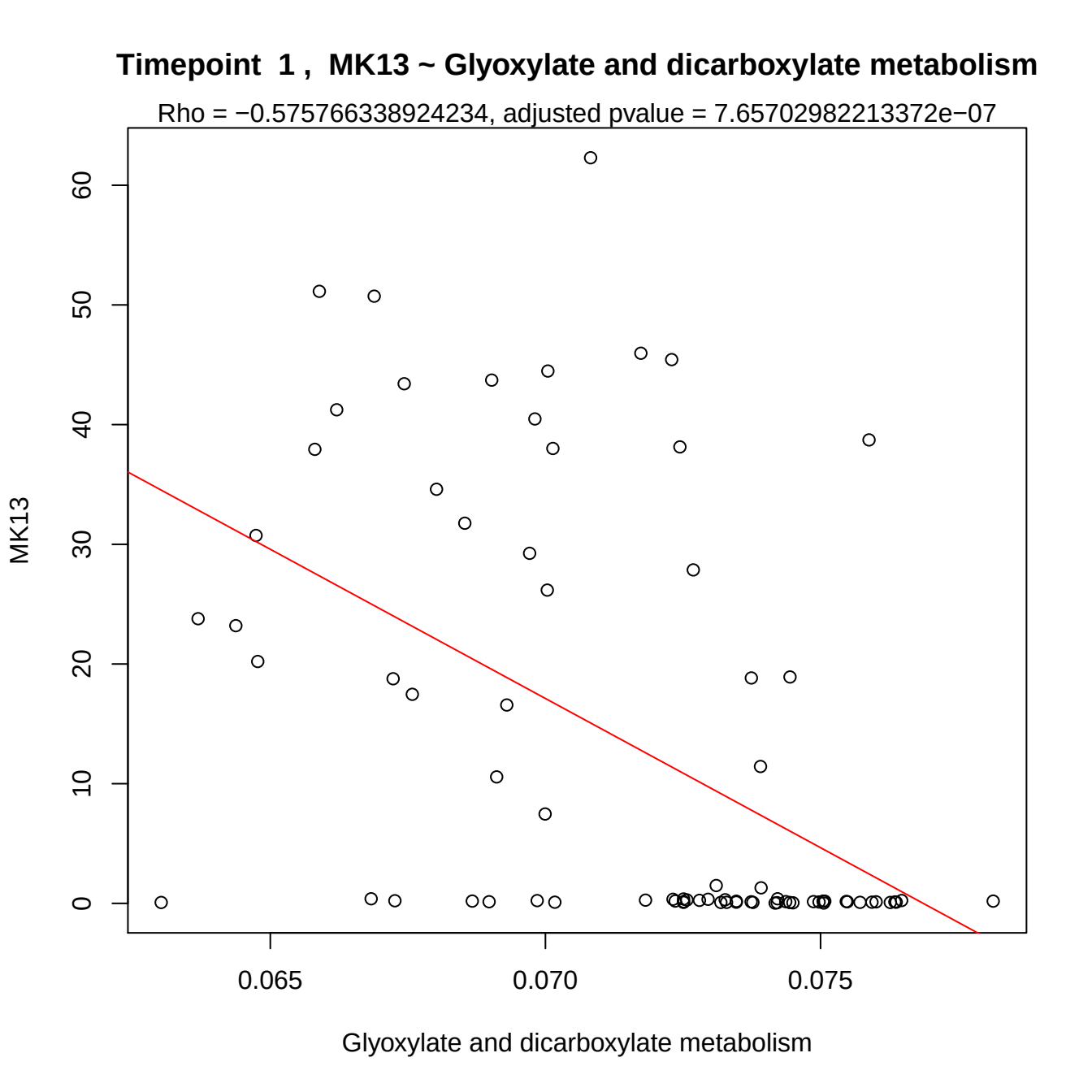

Timepoint 1 , MK13 ~ Fructose and mannose metabolism
Rho = −0.55738997844261, adjusted pvalue = 1.30556487922345e−06
MK13
0
10
20
30
40
50
60
0.090
0.095
0.100
0.105
0.110
Fructose and mannose metabolism

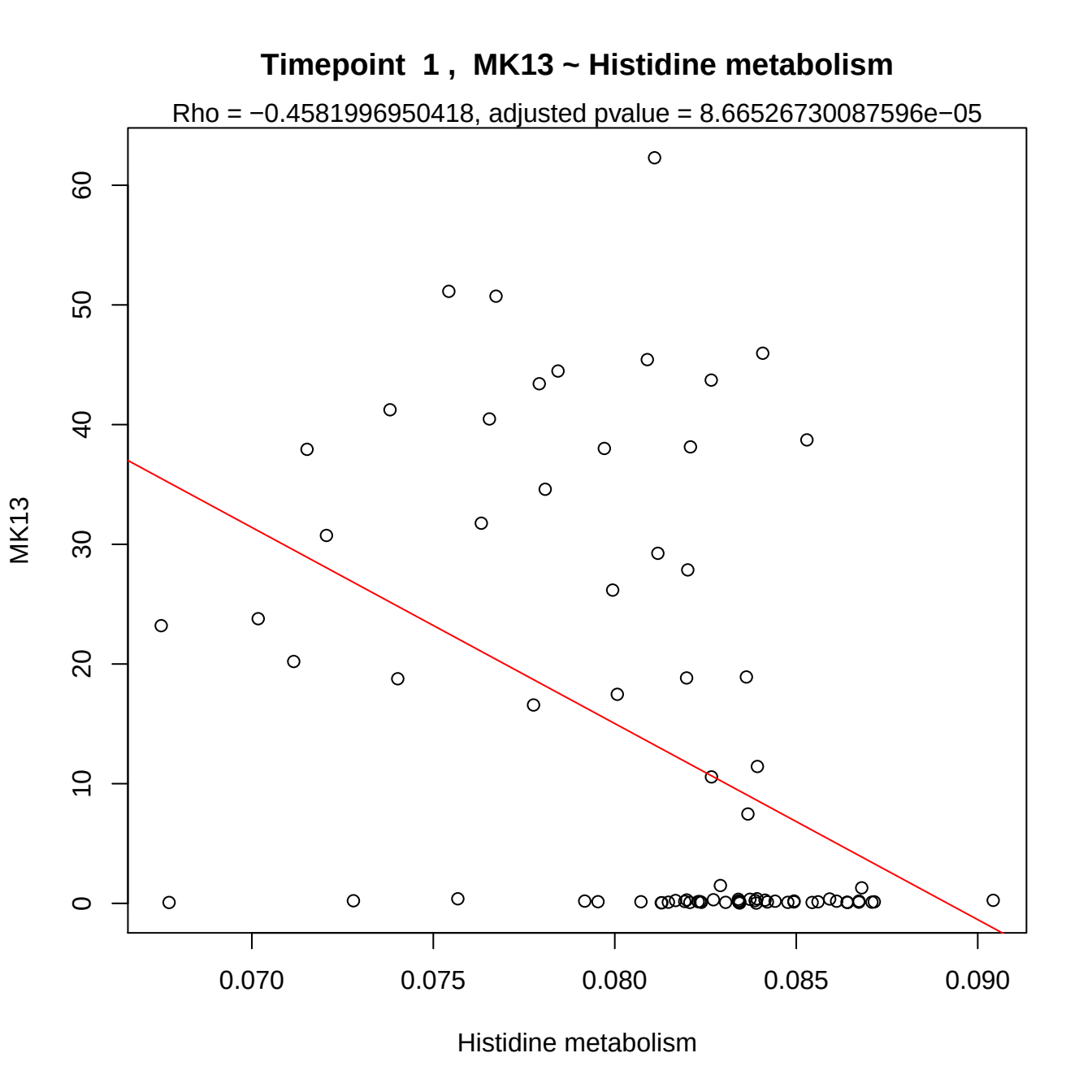

Timepoint 1 , MK13 ~ Galactose metabolism
Rho = −0.612387612387612, adjusted pvalue = 1.82049541457326e−07
MK13
0
10
20
30
40
50
60
0.08
0.09
0.10
0.11
Galactose metabolism

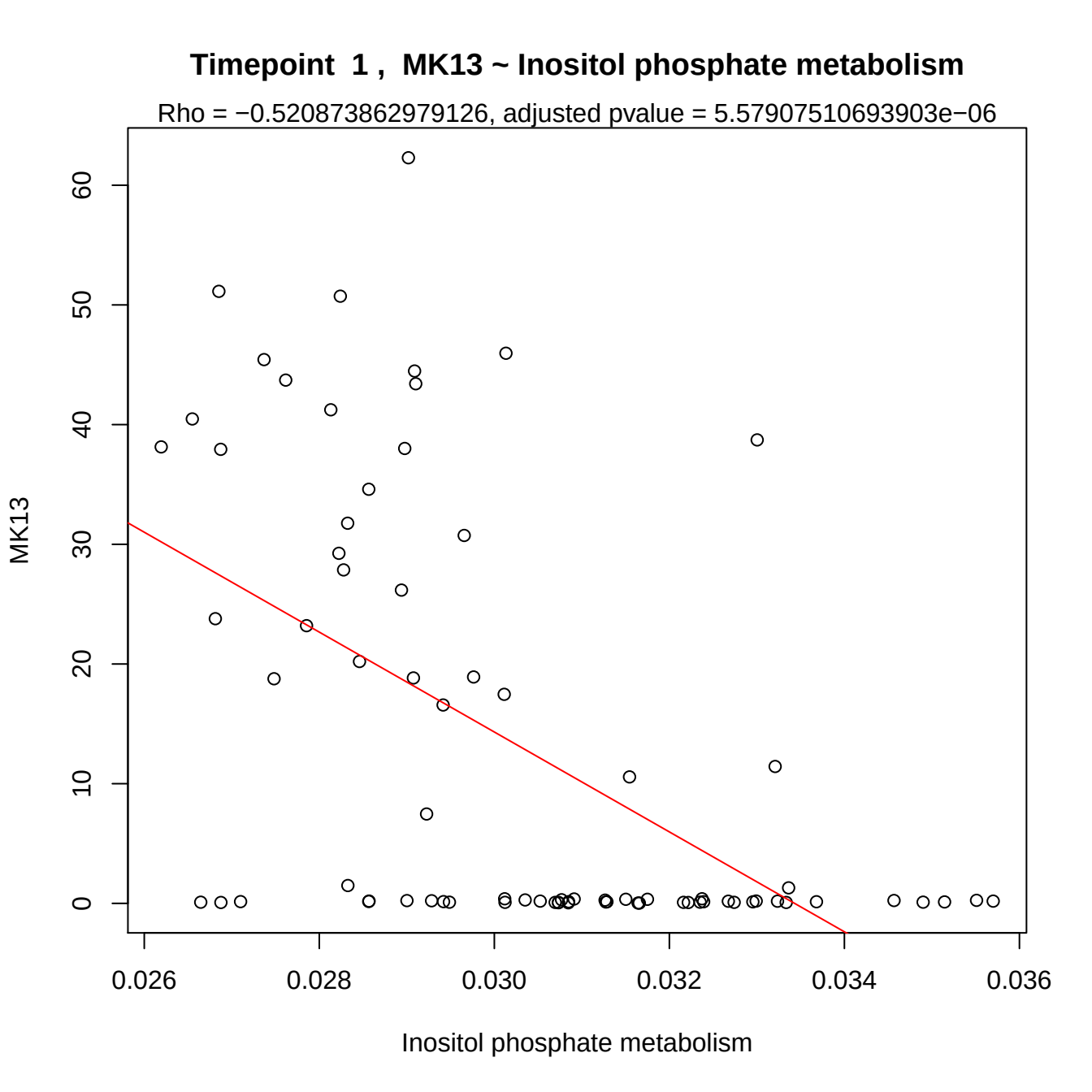

Timepoint 1 , MK13 ~ Glycerophospholipid metabolism
Rho = −0.323834060676166, adjusted pvalue = 0.00843295165503454
MK13
0
10
20
30
40
50
60
0.068
0.070
0.072
0.074
0.076
0.078
Glycerophospholipid metabolism

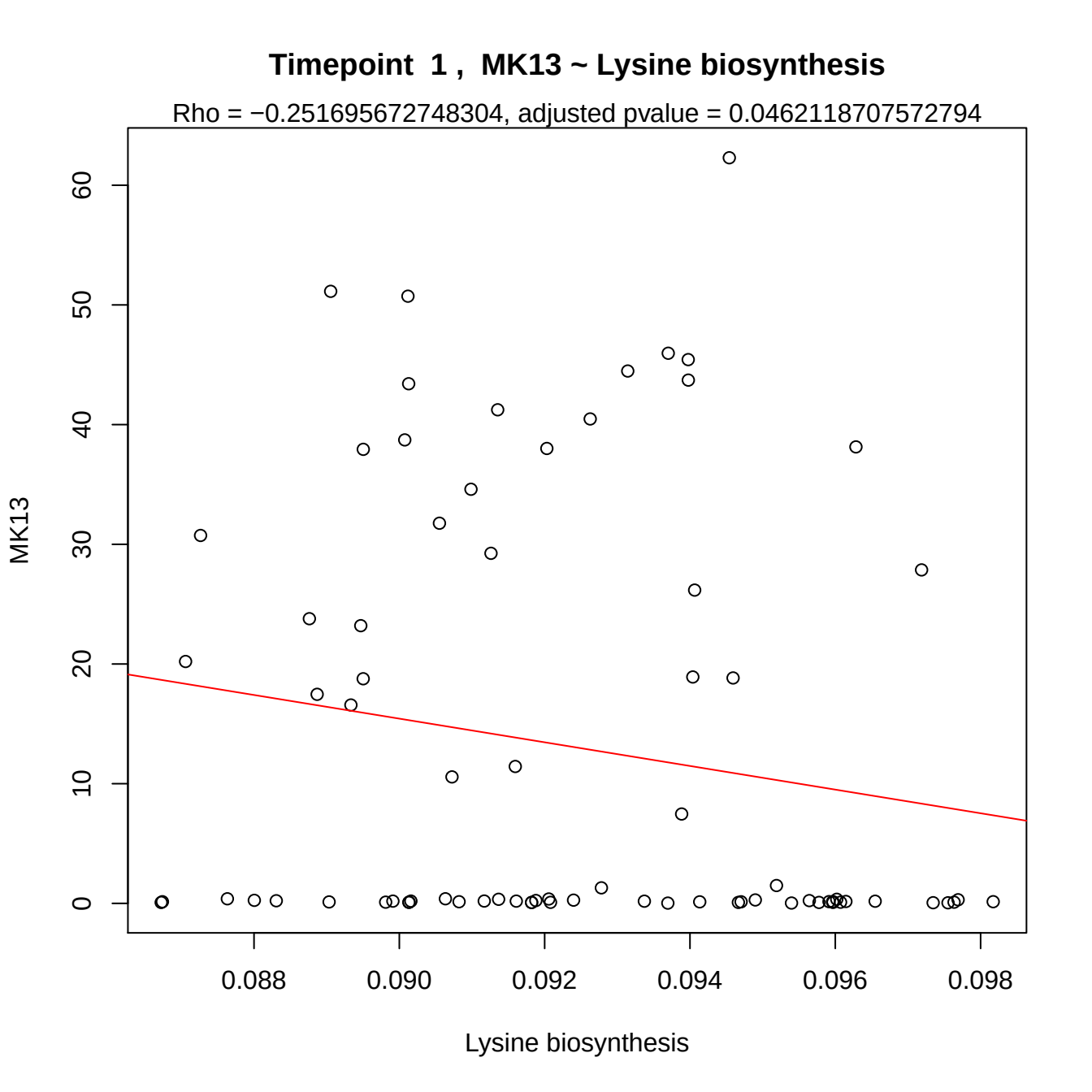

Timepoint 1 , MK13 ~ Glycolysis / Gluconeogenesis
Rho = −0.180898049319102, adjusted pvalue = 0.165685453883037
MK13
0
10
20
30
40
50
60
0.100
0.105
0.110
Glycolysis / Gluconeogenesis

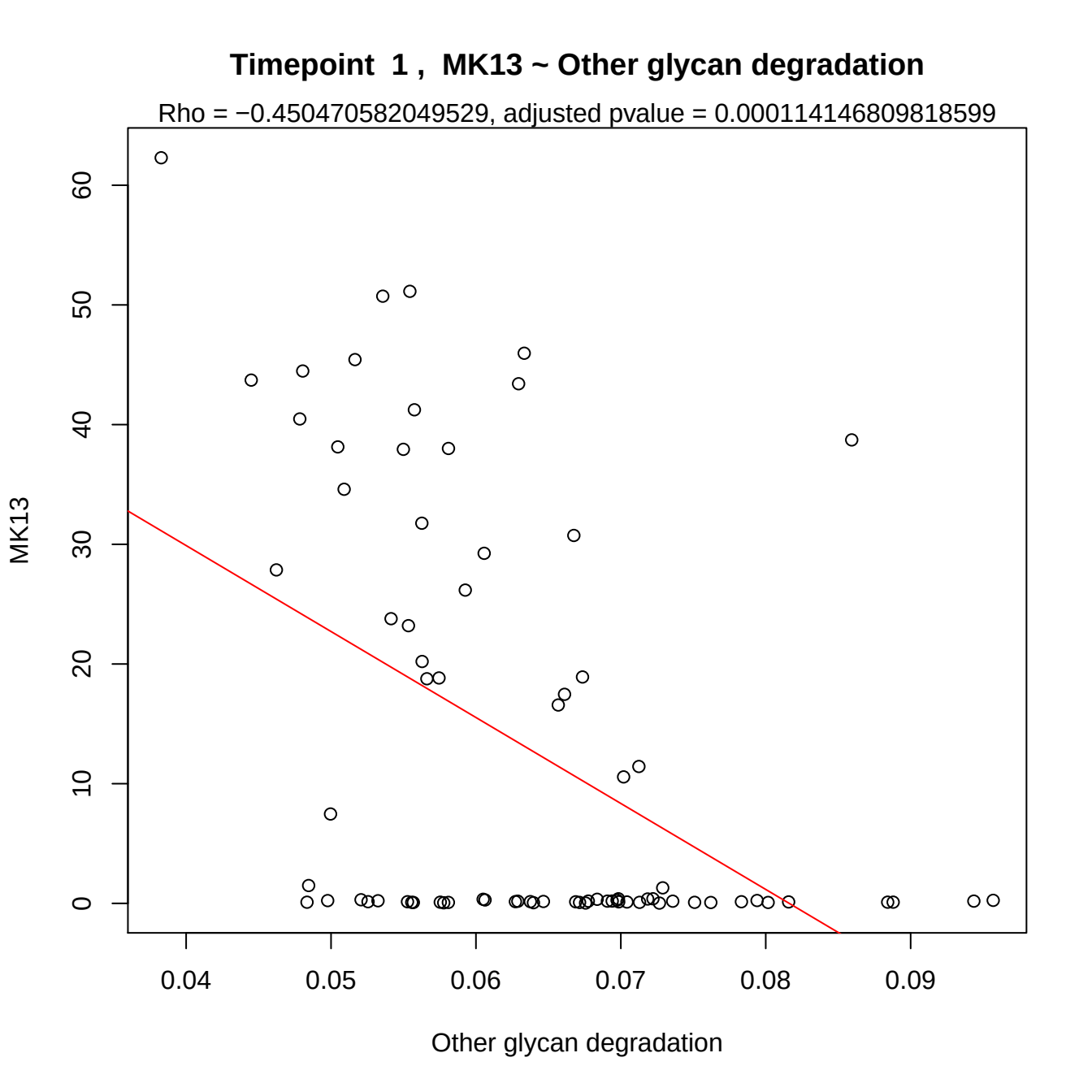

Timepoint 1 , MK13 ~ Glycosphingolipid biosynthesis − lacto and neolacto s
Rho = −0.539854881960145, adjusted pvalue = 2.8138828636245e−06
MK13
0
10
20
30
40
50
60
0.000
0.002
0.004
0.006
0.008
Glycosphingolipid biosynthesis − lacto and neolacto series

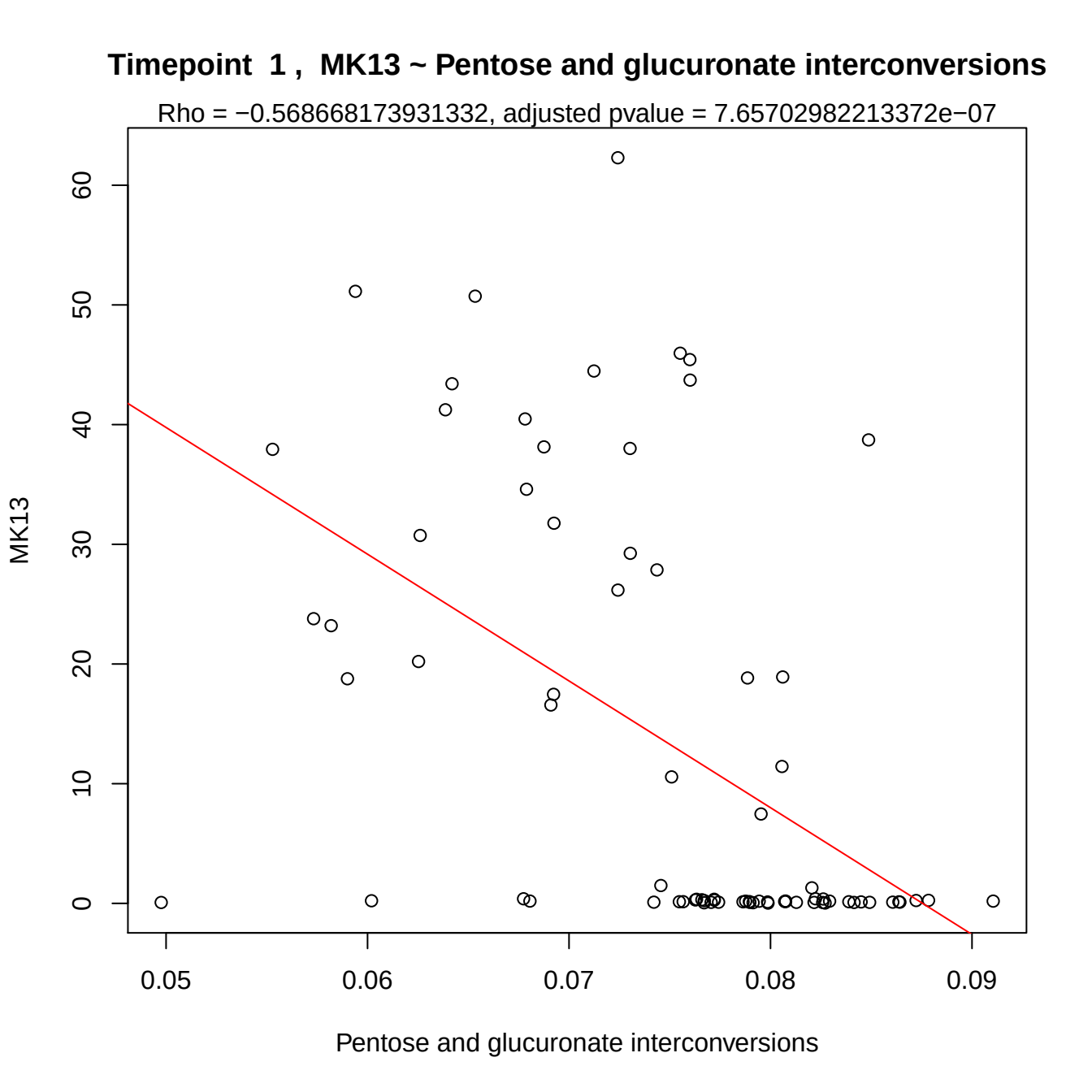

Timepoint 1 , MK13 ~ Glyoxylate and dicarboxylate metabolism
Rho = −0.575766338924234, adjusted pvalue = 7.65702982213372e−07
MK13
0
10
20
30
40
50
60
0.065
0.070
0.075
Glyoxylate and dicarboxylate metabolism

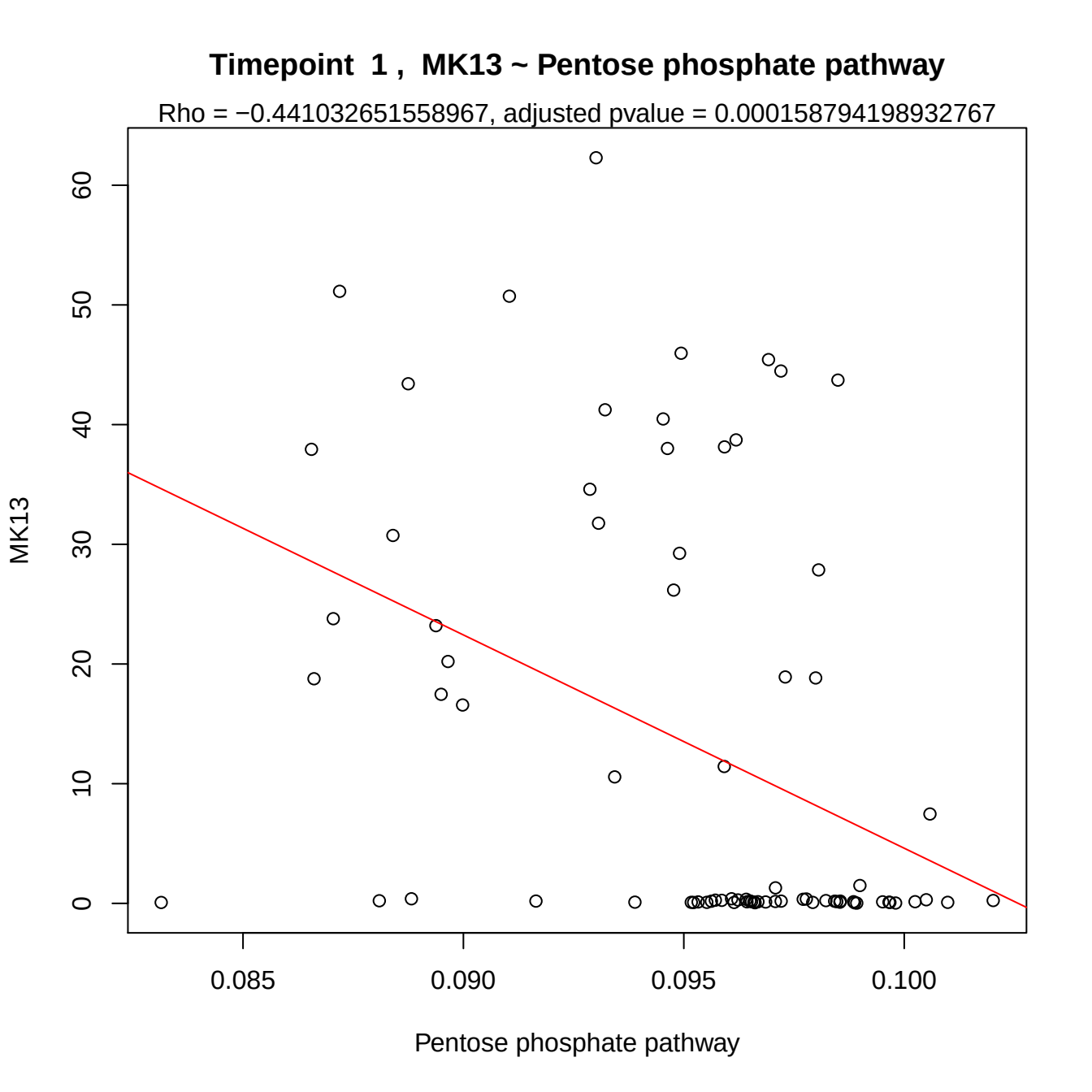

Timepoint 1 , MK13 ~ Histidine metabolism
Rho = −0.4581996950418, adjusted pvalue = 8.66526730087596e−05
MK13
0
10
20
30
40
50
60
0.070
0.075
0.080
0.085
0.090
Histidine metabolism

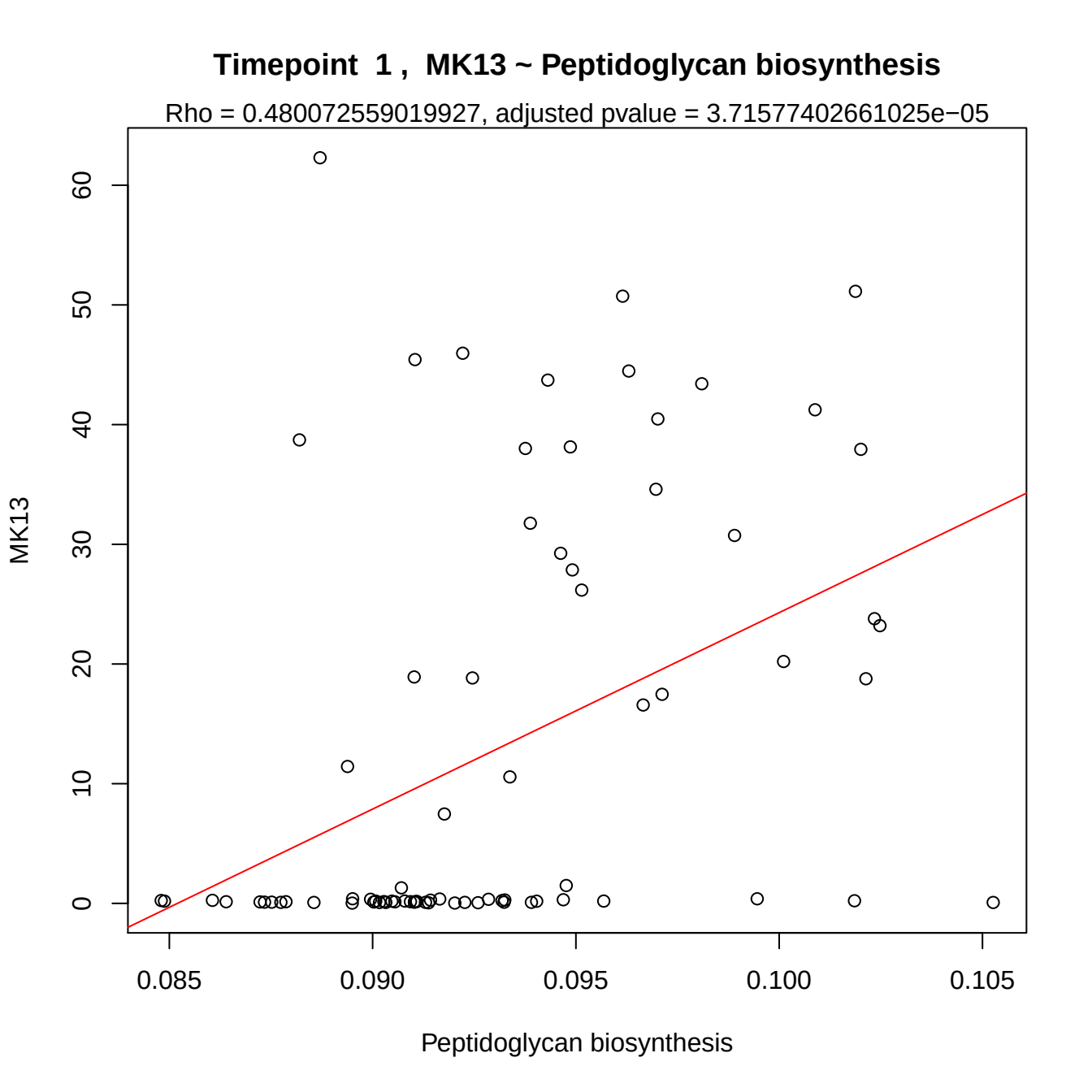

Timepoint 1 , MK13 ~ Inositol phosphate metabolism
Rho = −0.520873862979126, adjusted pvalue = 5.57907510693903e−06
MK13
0
10
20
30
40
50
60
0.026
0.028
0.030
0.032
0.034
0.036
Inositol phosphate metabolism

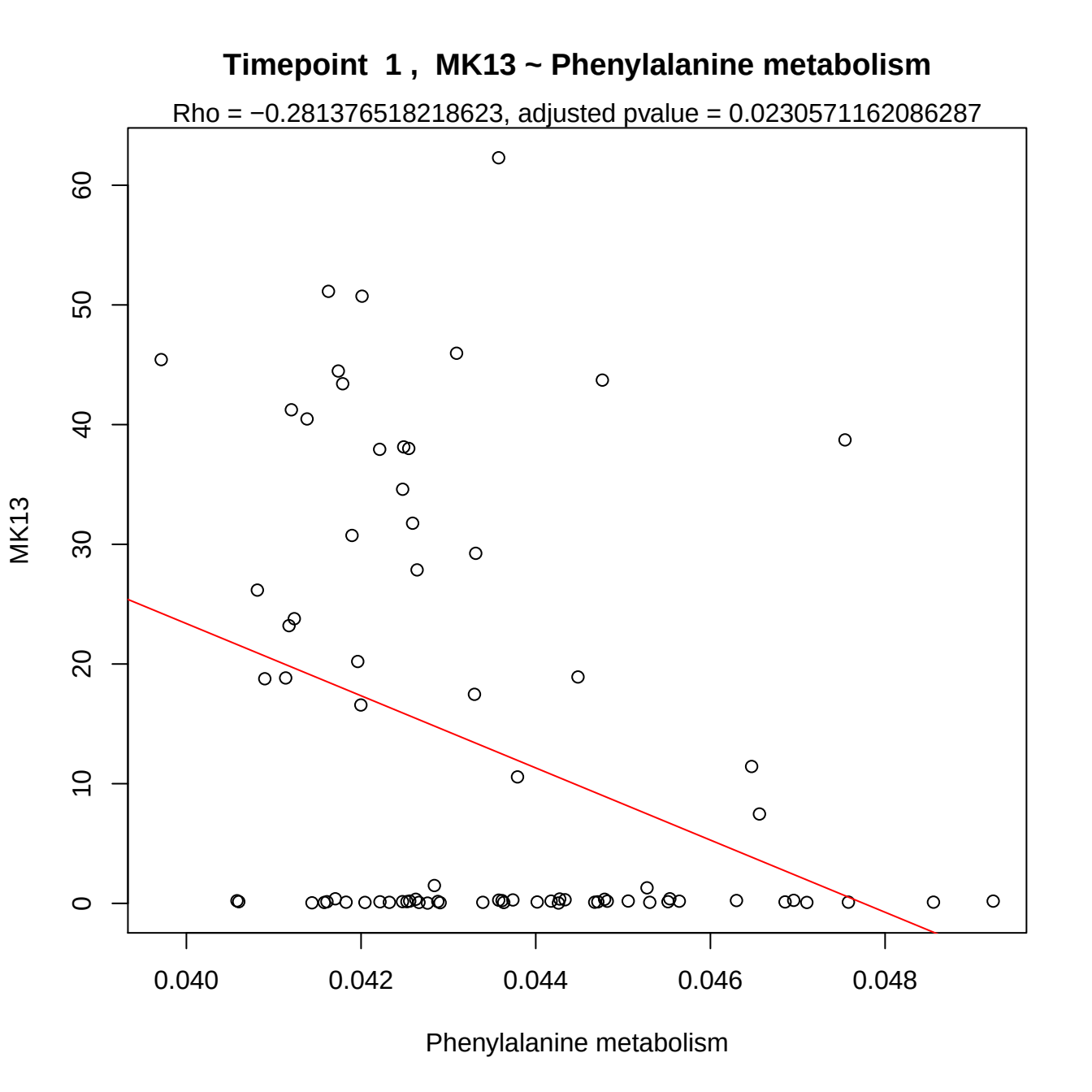

Timepoint 1 , MK13 ~ Lysine biosynthesis
Rho = −0.251695672748304, adjusted pvalue = 0.0462118707572794
MK13
0
10
20
30
40
50
60
0.088
0.090
0.092
0.094
0.096
0.098
Lysine biosynthesis

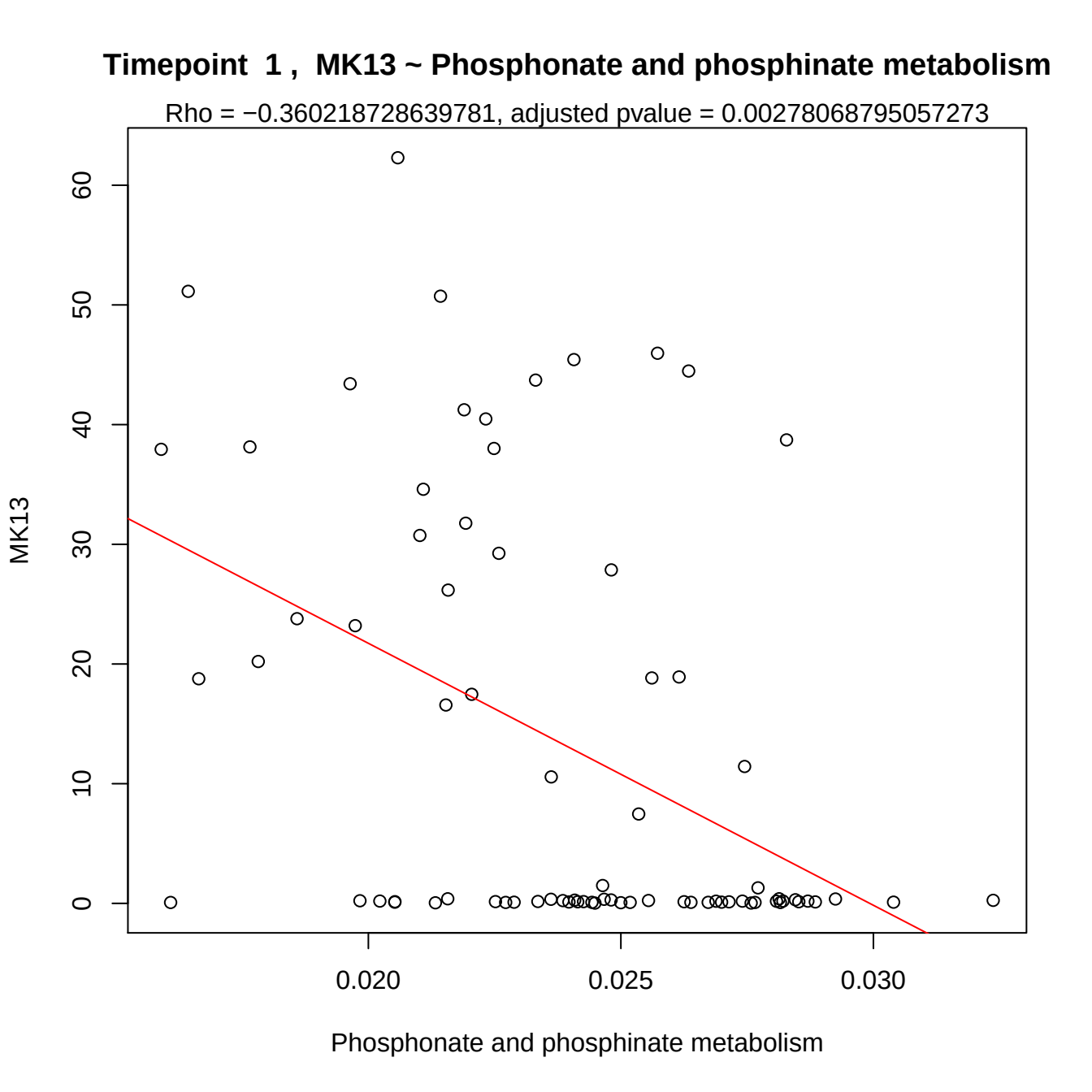

Timepoint 1 , MK13 ~ Other glycan degradation
Rho = −0.450470582049529, adjusted pvalue = 0.000114146809818599
MK13
0
10
20
30
40
50
60
0.04
0.05
0.06
0.07
0.08
0.09
Other glycan degradation

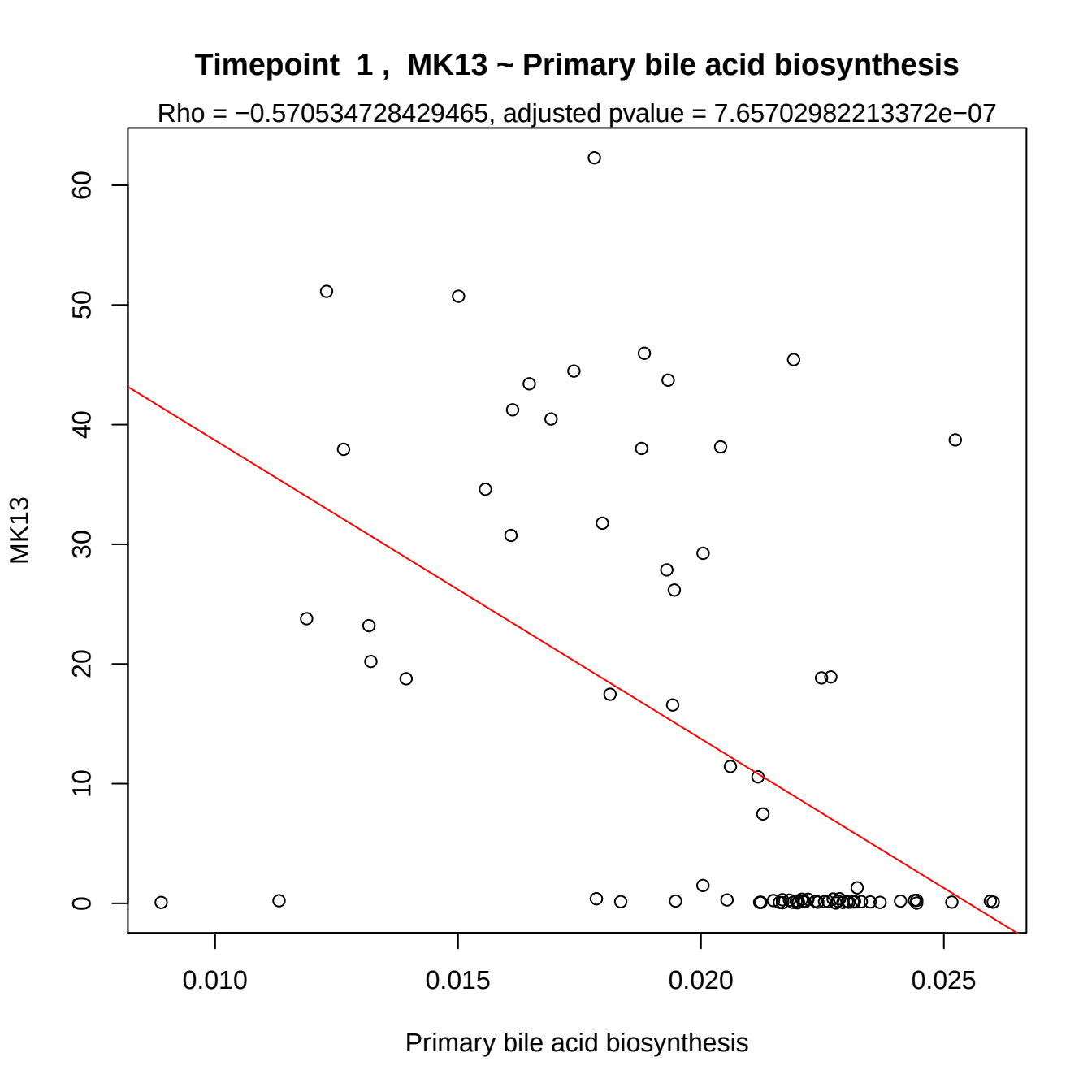

Timepoint 1 , MK13 ~ Pentose and glucuronate interconversions
Rho = −0.568668173931332, adjusted pvalue = 7.65702982213372e−07
MK13
0
10
20
30
40
50
60
0.05
0.06
0.07
0.08
0.09
Pentose and glucuronate interconversions

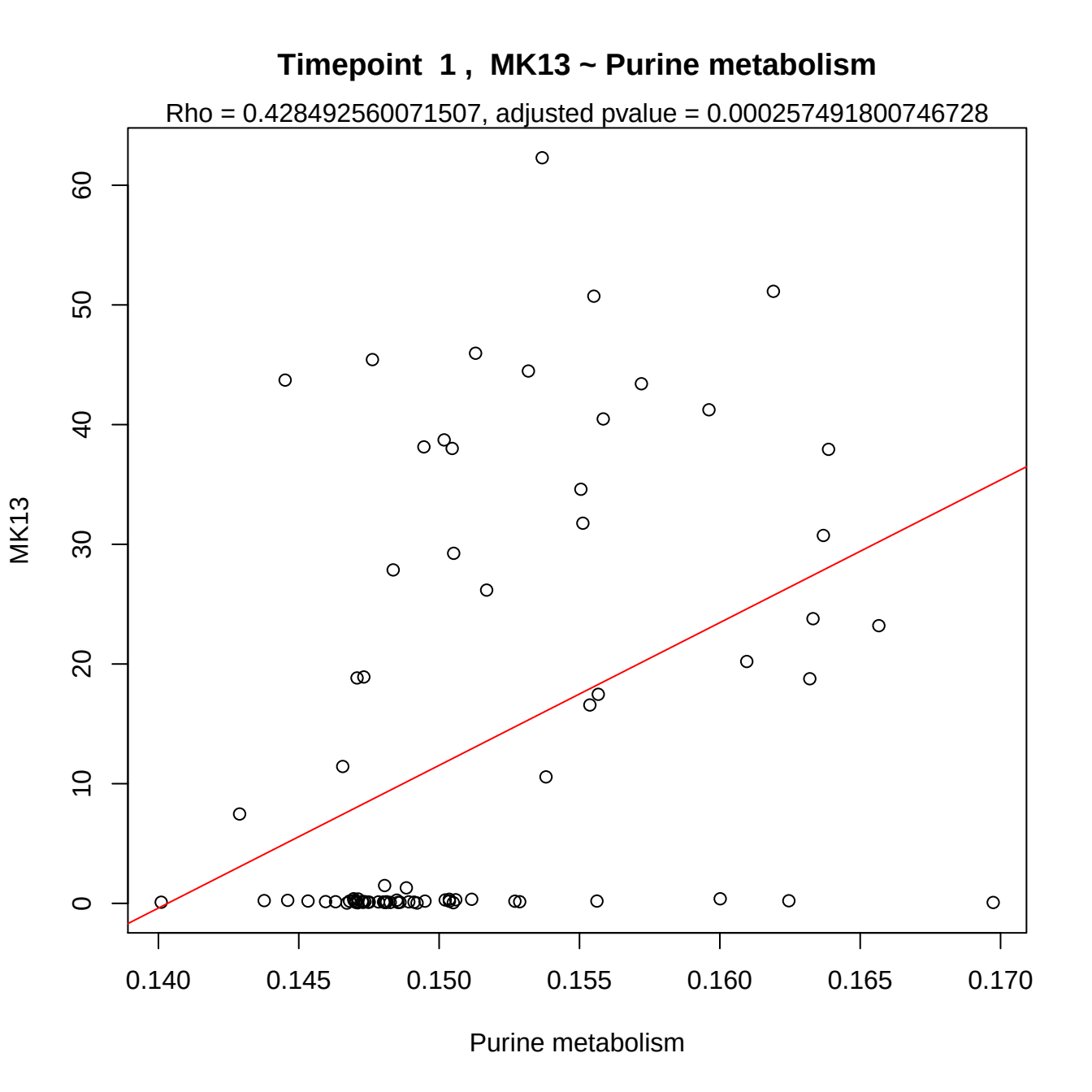

Timepoint 1 , MK13 ~ Pentose phosphate pathway
Rho = −0.441032651558967, adjusted pvalue = 0.000158794198932767
MK13
0
10
20
30
40
50
60
0.085
0.090
0.095
0.100
Pentose phosphate pathway

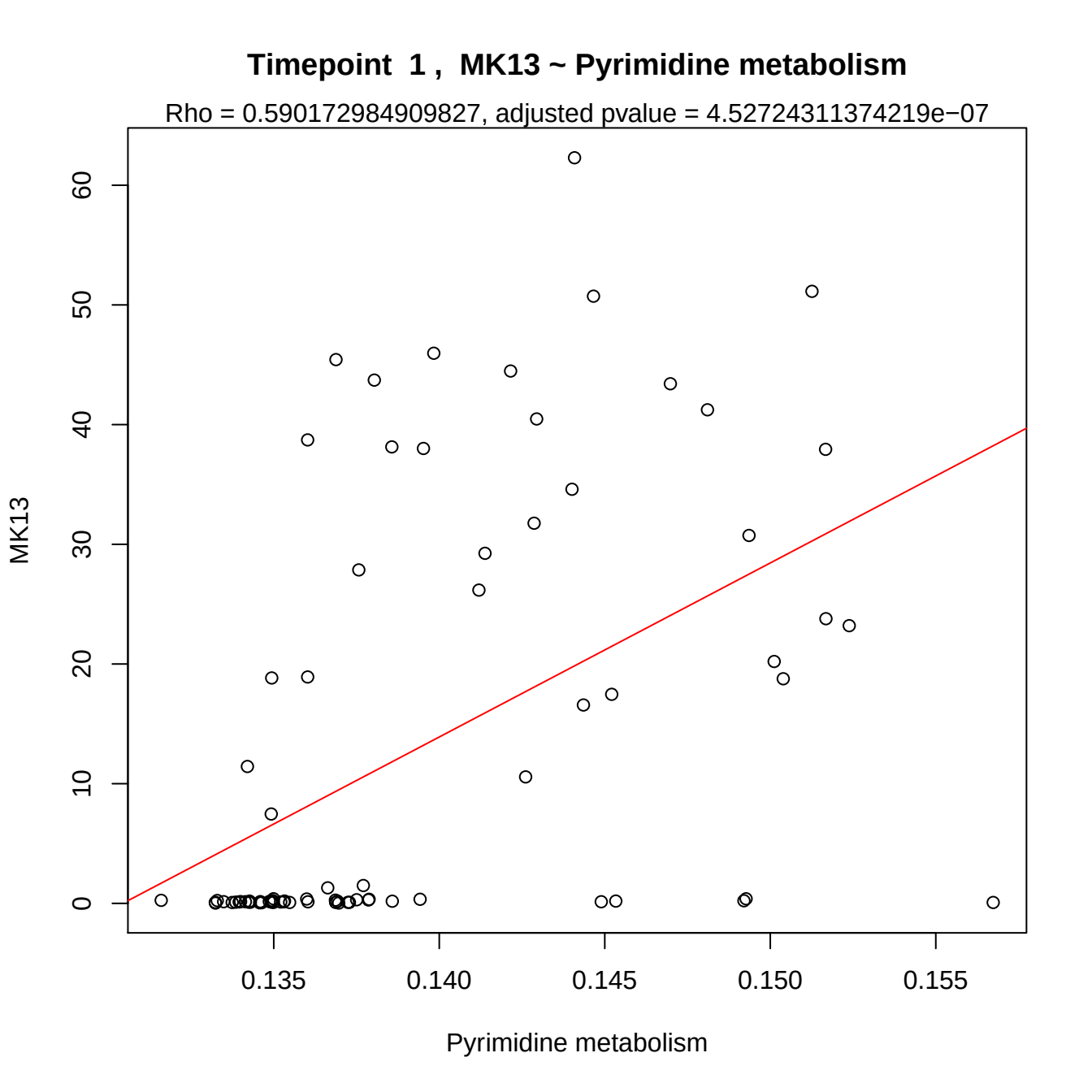

Timepoint 1 , MK13 ~ Peptidoglycan biosynthesis
Rho = 0.480072559019927, adjusted pvalue = 3.71577402661025e−05
MK13
0
10
20
30
40
50
60
0.085
0.090
0.095
0.100
0.105
Peptidoglycan biosynthesis

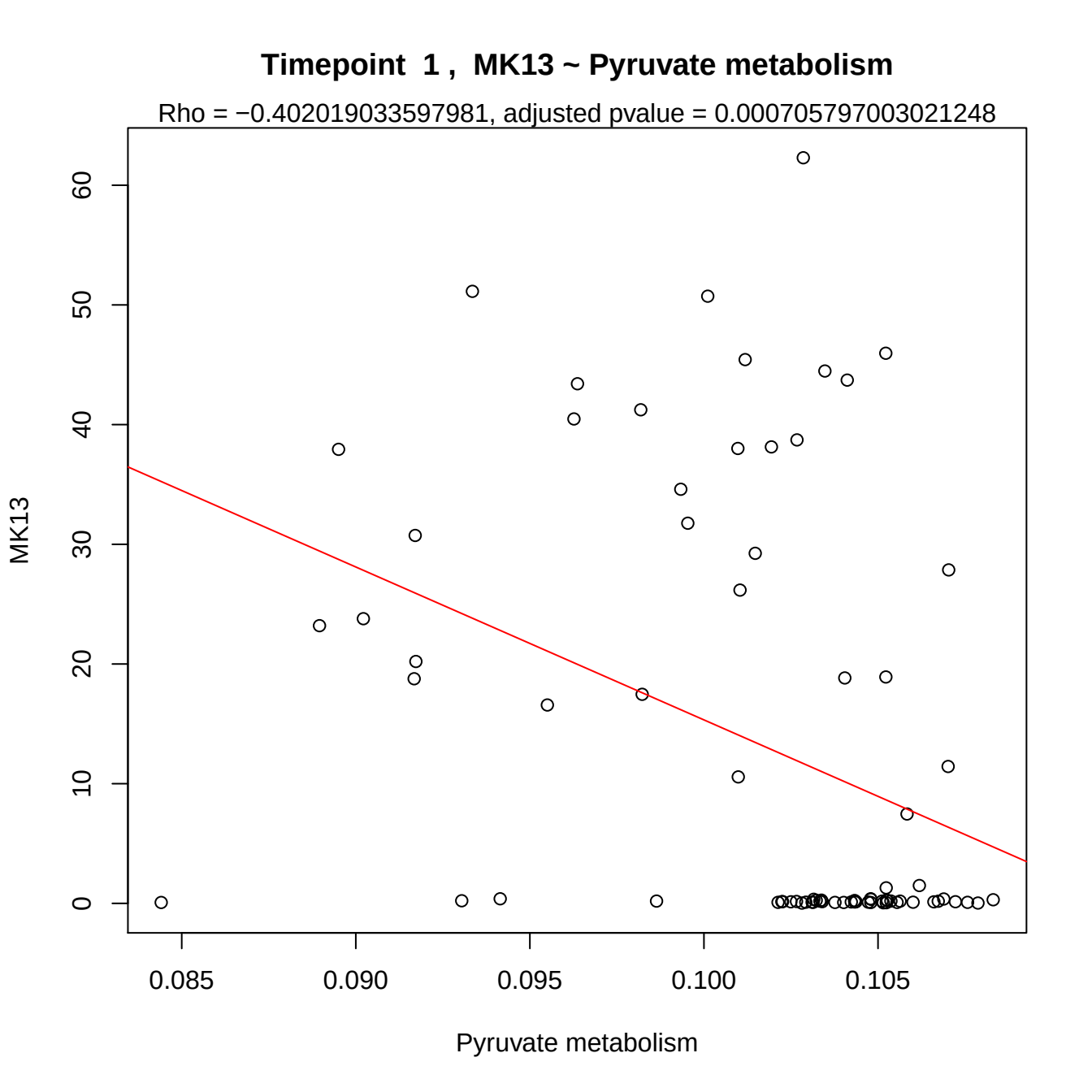

Timepoint 1 , MK13 ~ Phenylalanine metabolism
Rho = −0.281376518218623, adjusted pvalue = 0.0230571162086287
MK13
0
10
20
30
40
50
60
0.040
0.042
0.044
0.046
0.048
Phenylalanine metabolism

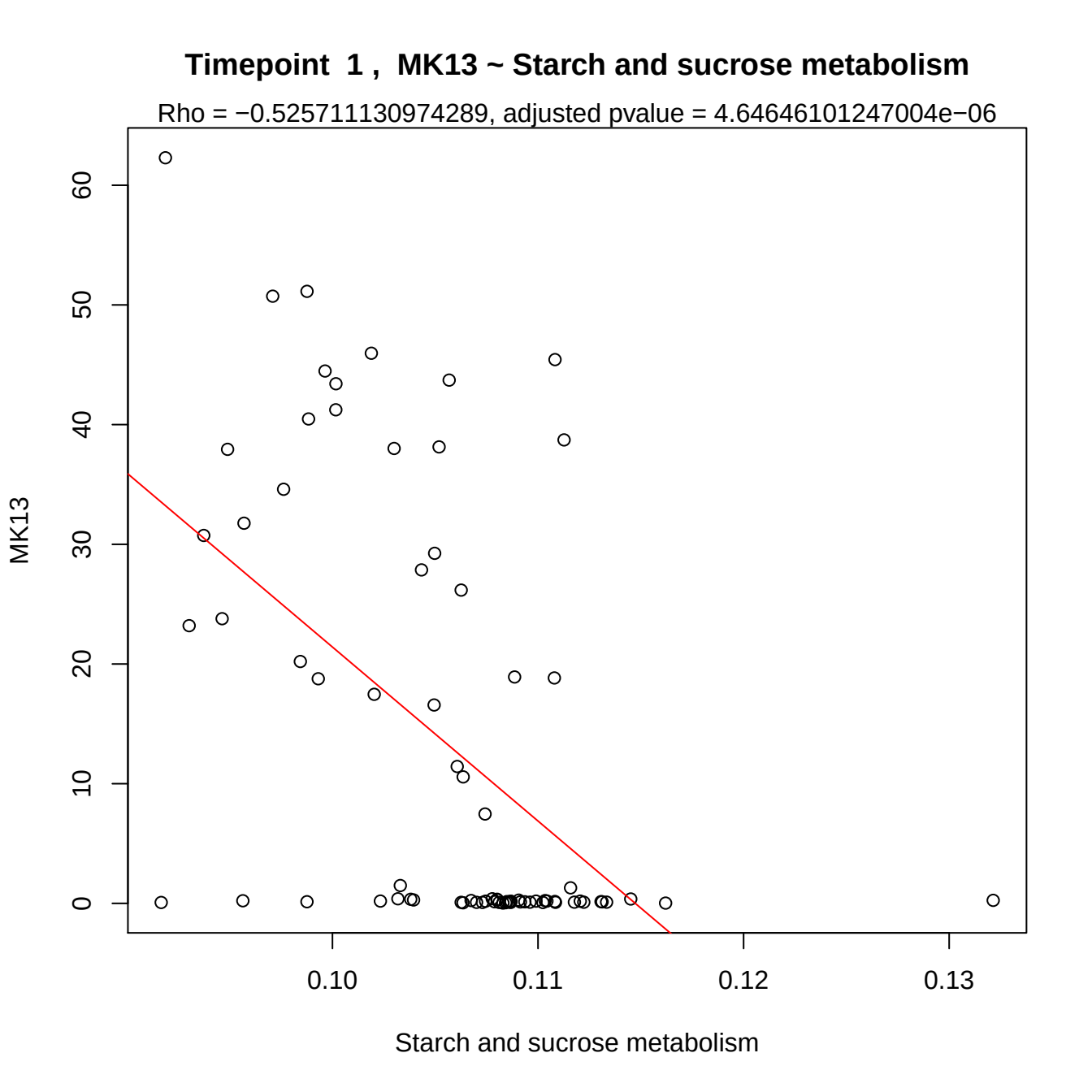

Timepoint 1 , MK13 ~ Phosphonate and phosphinate metabolism
Rho = −0.360218728639781, adjusted pvalue = 0.00278068795057273
MK13
0
10
20
30
40
50
60
0.020
0.025
0.030
Phosphonate and phosphinate metabolism

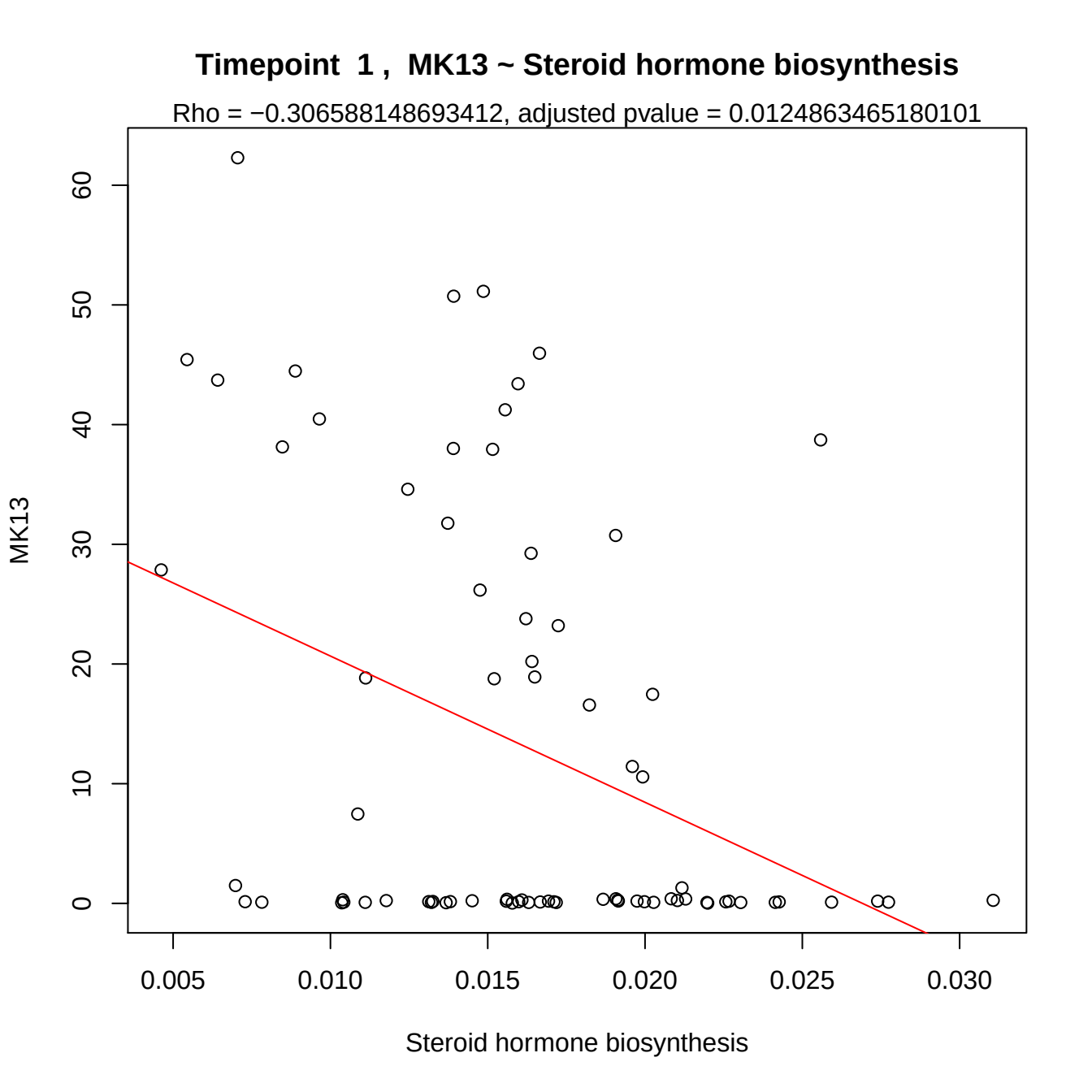

Timepoint 1 , MK13 ~ Primary bile acid biosynthesis
Rho = −0.570534728429465, adjusted pvalue = 7.65702982213372e−07
MK13
0
10
20
30
40
50
60
0.010
0.015
0.020
0.025
Primary bile acid biosynthesis

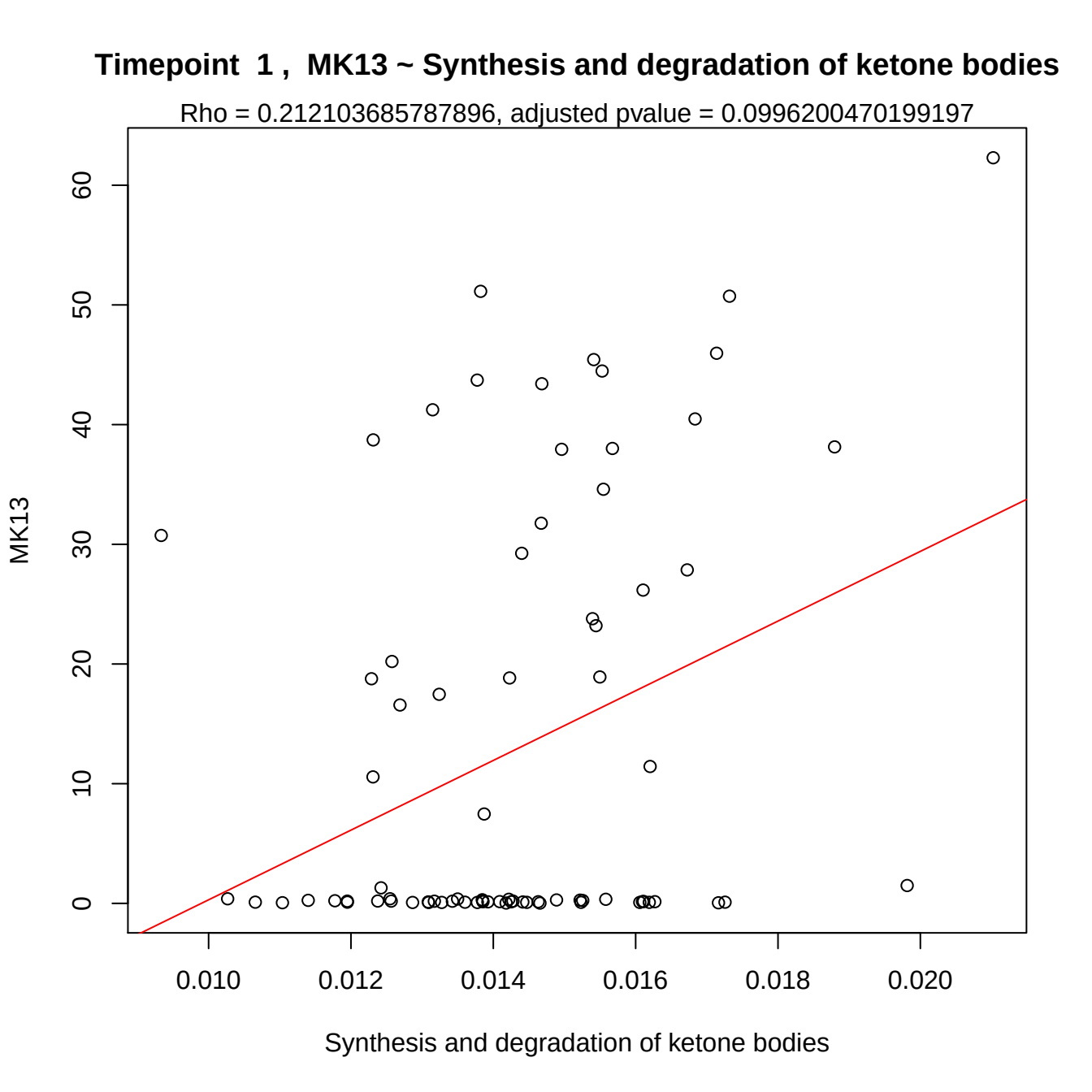

Timepoint 1 , MK13 ~ Purine metabolism
Rho = 0.428492560071507, adjusted pvalue = 0.000257491800746728
MK13
0
10
20
30
40
50
60
0.140
0.145
0.150
0.155
0.160
0.165
0.170
Purine metabolism

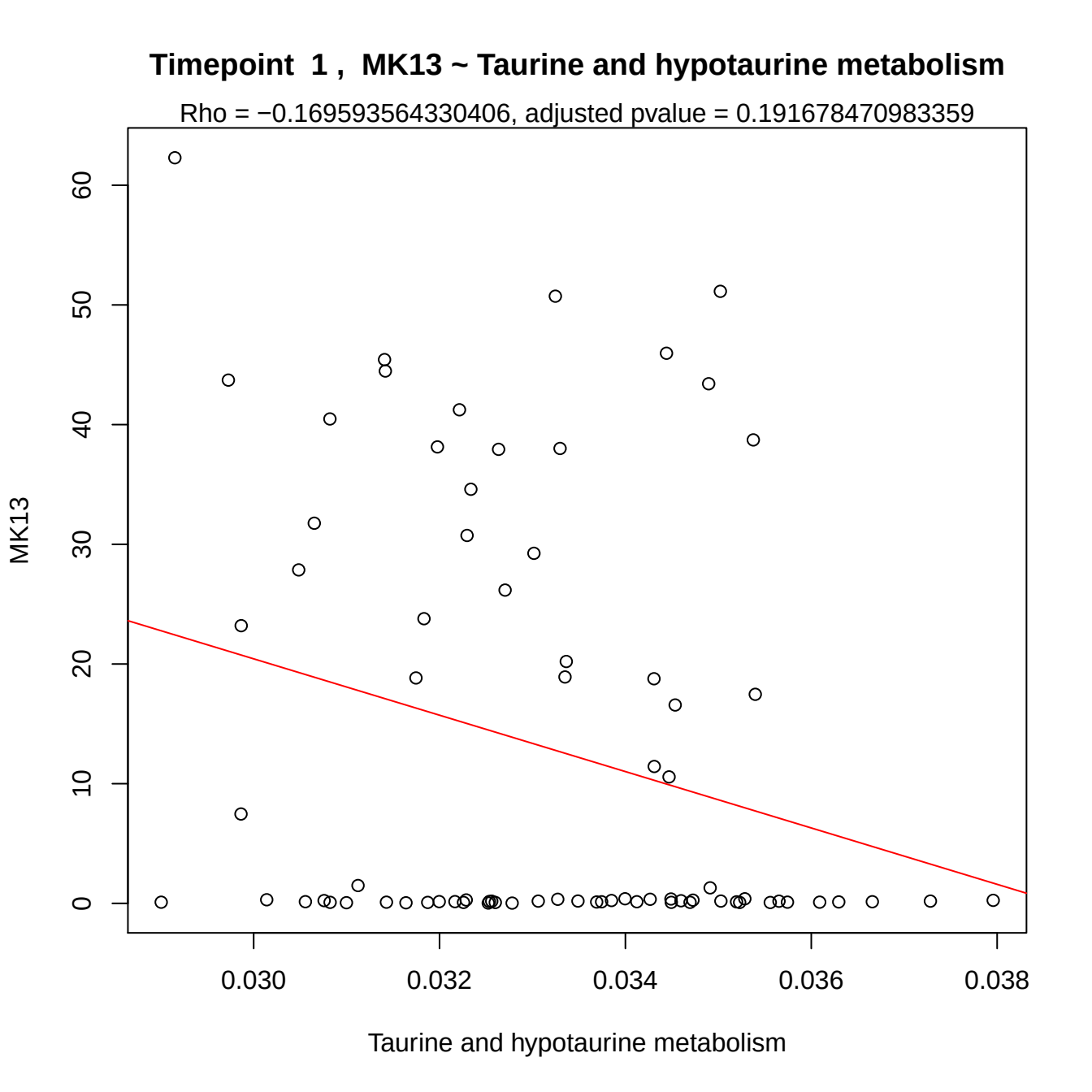

Timepoint 1 , MK13 ~ Pyrimidine metabolism
Rho = 0.590172984909827, adjusted pvalue = 4.52724311374219e−07
MK13
0
10
20
30
40
50
60
0.135
0.140
0.145
0.150
0.155
Pyrimidine metabolism

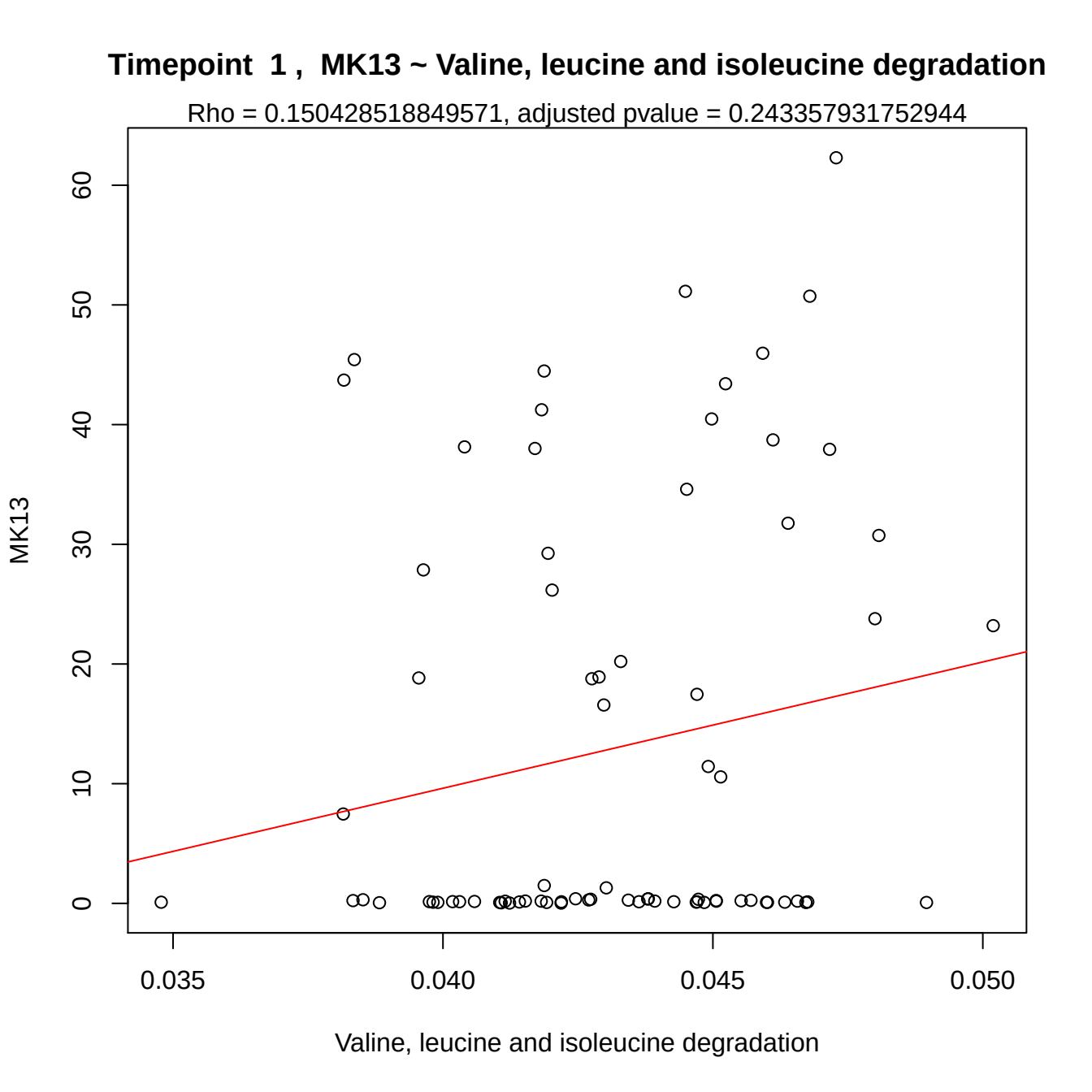

Timepoint 1 , MK13 ~ Pyruvate metabolism
Rho = −0.402019033597981, adjusted pvalue = 0.000705797003021248
MK13
0
10
20
30
40
50
60
0.085
0.090
0.095
0.100
0.105
Pyruvate metabolism

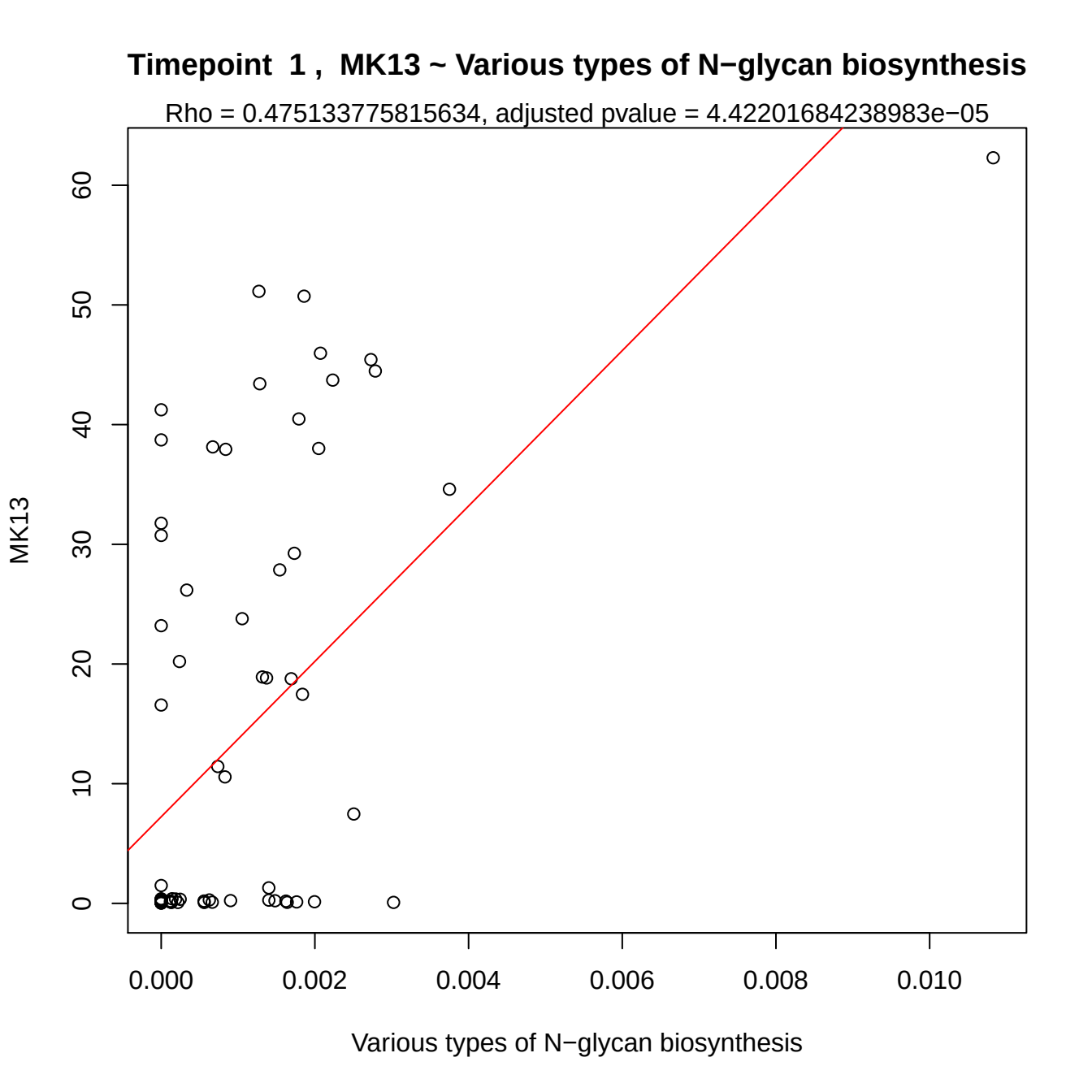

Timepoint 1 , MK13 ~ Starch and sucrose metabolism
Rho = −0.525711130974289, adjusted pvalue = 4.64646101247004e−06
MK13
0
10
20
30
40
50
60
0.10
0.11
0.12
0.13
Starch and sucrose metabolism


Timepoint 1 , MK13 ~ Steroid hormone biosynthesis
Rho = −0.306588148693412, adjusted pvalue = 0.0124863465180101
MK13
0
10
20
30
40
50
60
0.005
0.010
0.015
0.020
0.025
0.030
Steroid hormone biosynthesis


Timepoint 1 , MK13 ~ Synthesis and degradation of ketone bodies
Rho = 0.212103685787896, adjusted pvalue = 0.0996200470199197
MK13
0
10
20
30
40
50
60
0.010
0.012
0.014
0.016
0.018
0.020
Synthesis and degradation of ketone bodies


Timepoint 1 , MK13 ~ Taurine and hypotaurine metabolism
Rho = −0.169593564330406, adjusted pvalue = 0.191678470983359
MK13
0
10
20
30
40
50
60
0.030
0.032
0.034
0.036
0.038
Taurine and hypotaurine metabolism


Timepoint 1 , MK13 ~ Valine, leucine and isoleucine degradation
Rho = 0.150428518849571, adjusted pvalue = 0.243357931752944
MK13
0
10
20
30
40
50
60
0.035
0.040
0.045
0.050
Valine, leucine and isoleucine degradation


Timepoint 1 , MK13 ~ Various types of N−glycan biosynthesis
Rho = 0.475133775815634, adjusted pvalue = 4.42201684238983e−05
MK13
0
10
20
30
40
50
60
0.000
0.002
0.004
0.006
0.008
0.010
Various types of N−glycan biosynthesis