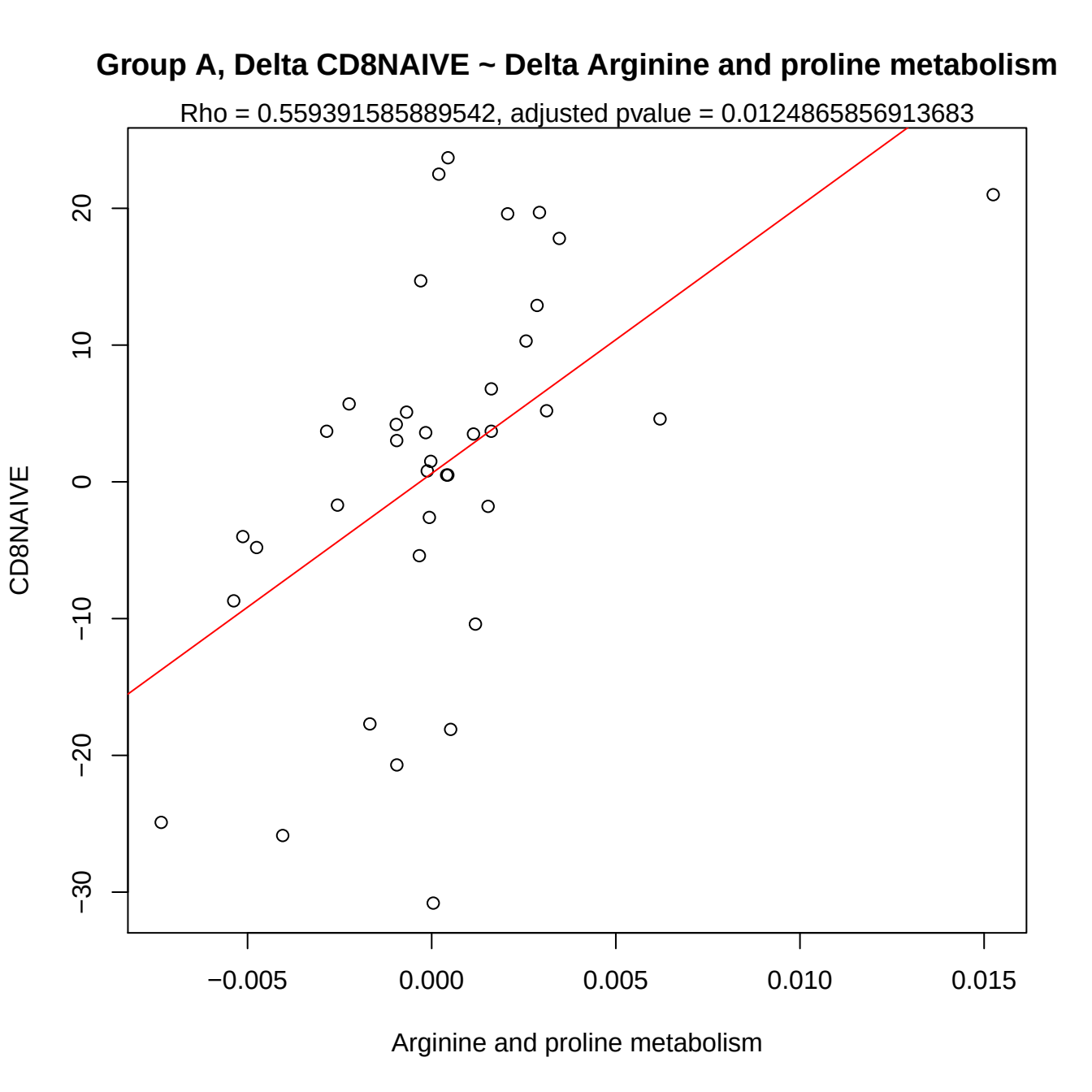
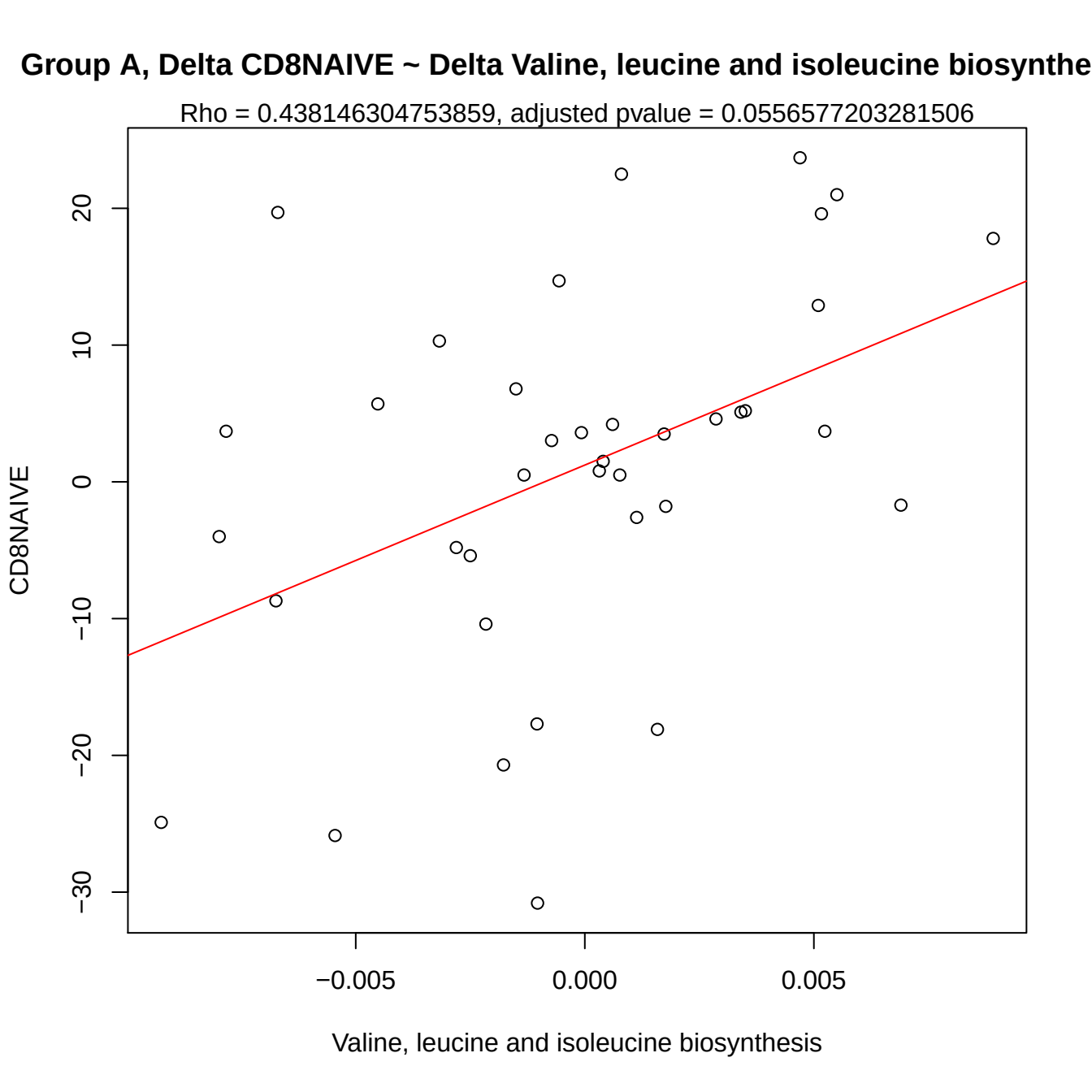
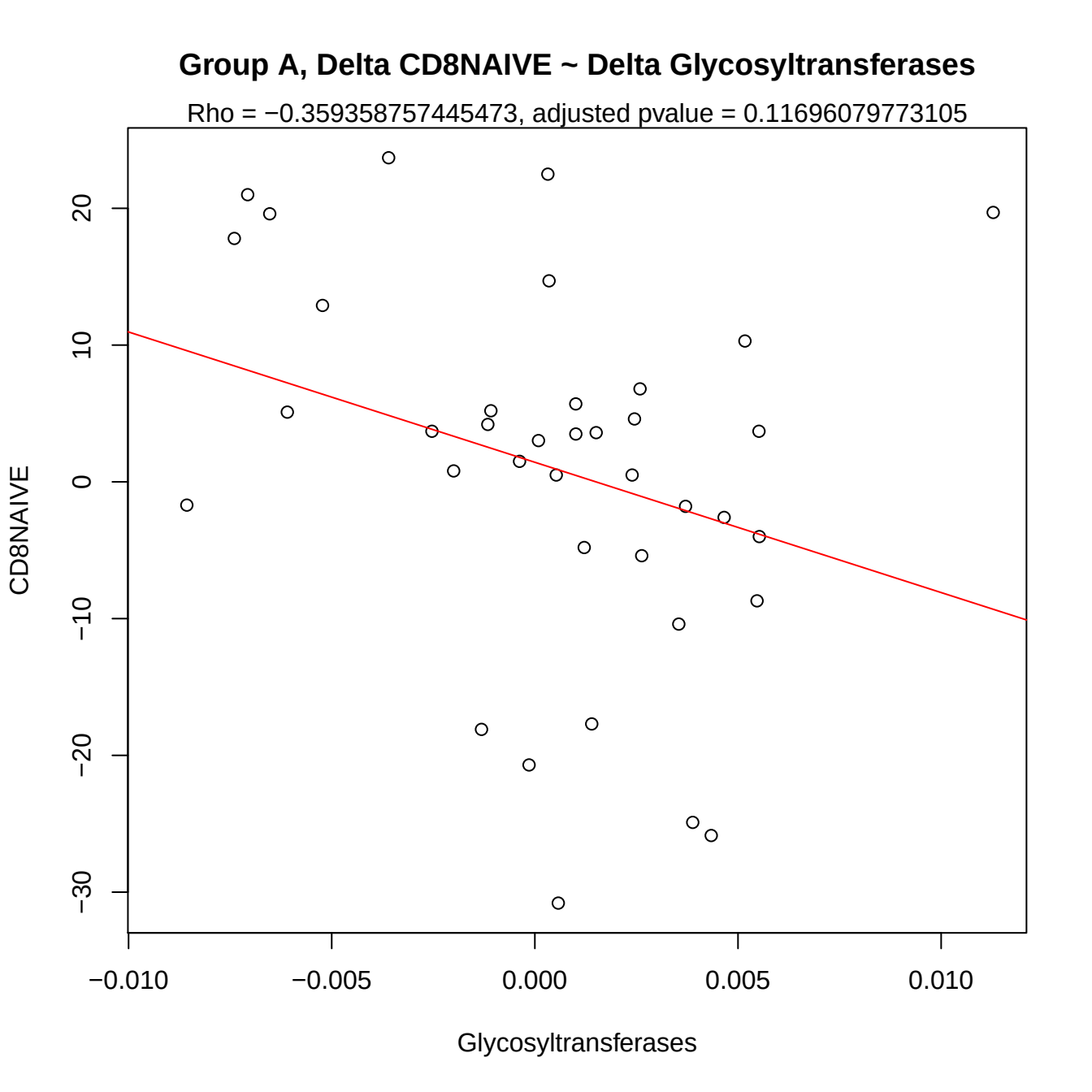
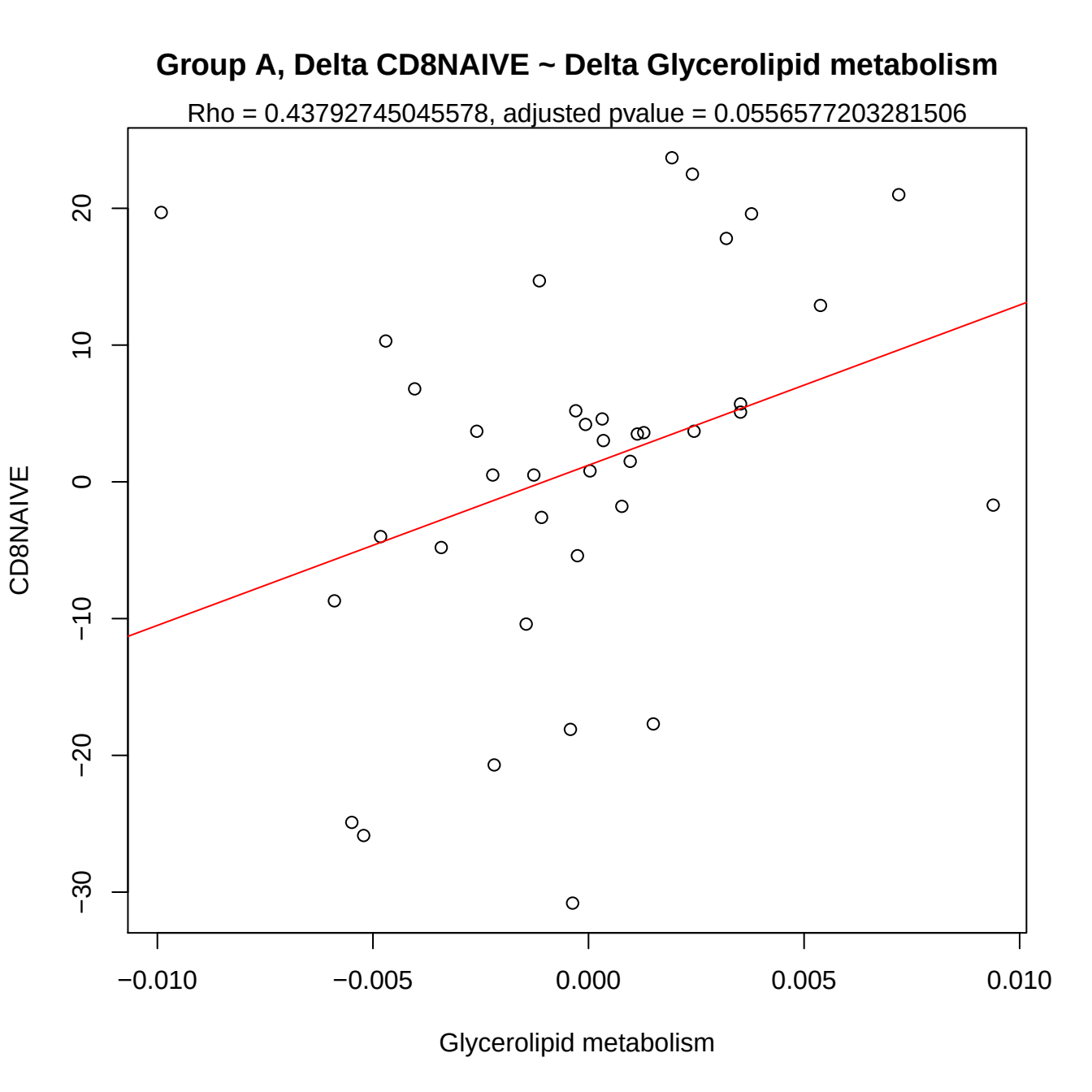
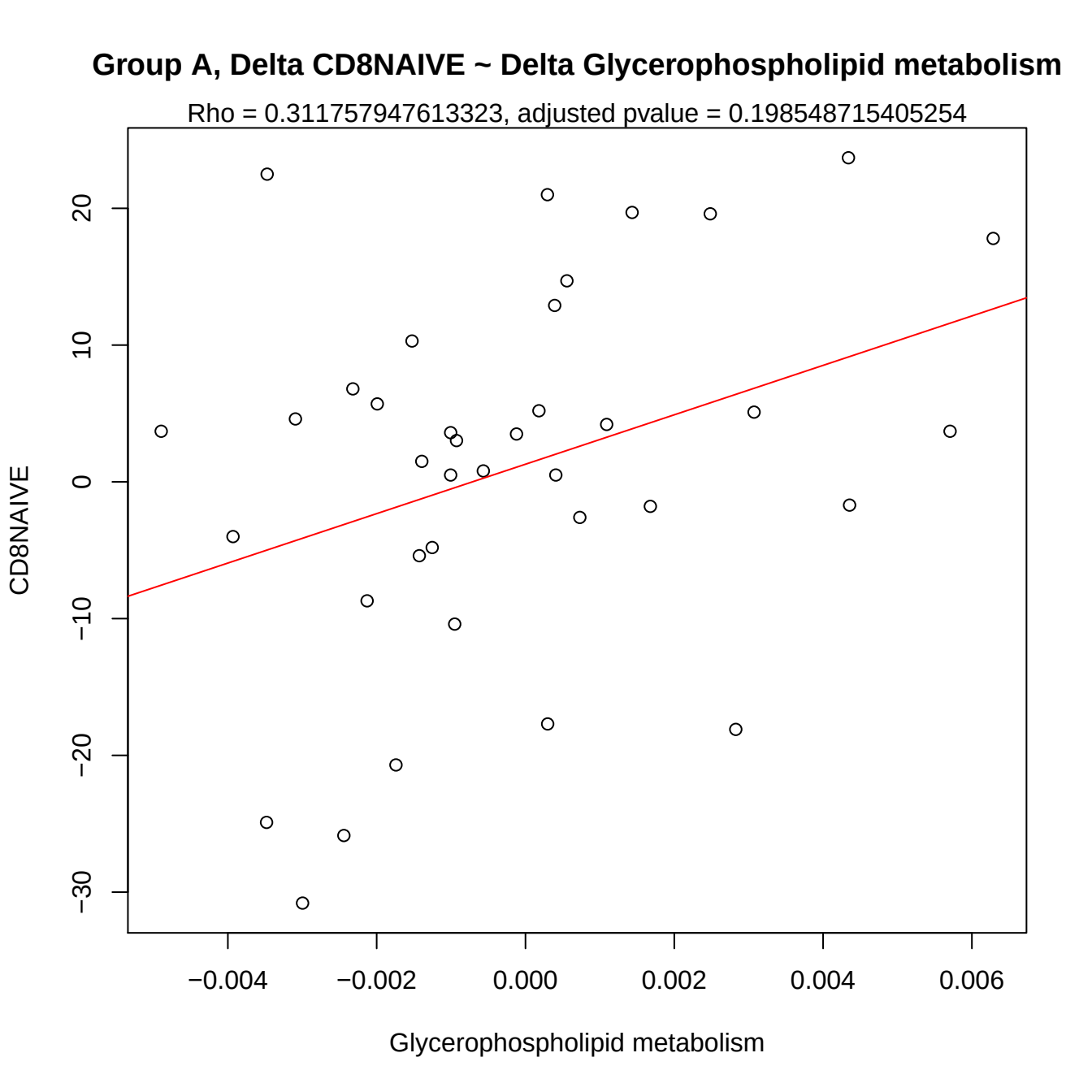
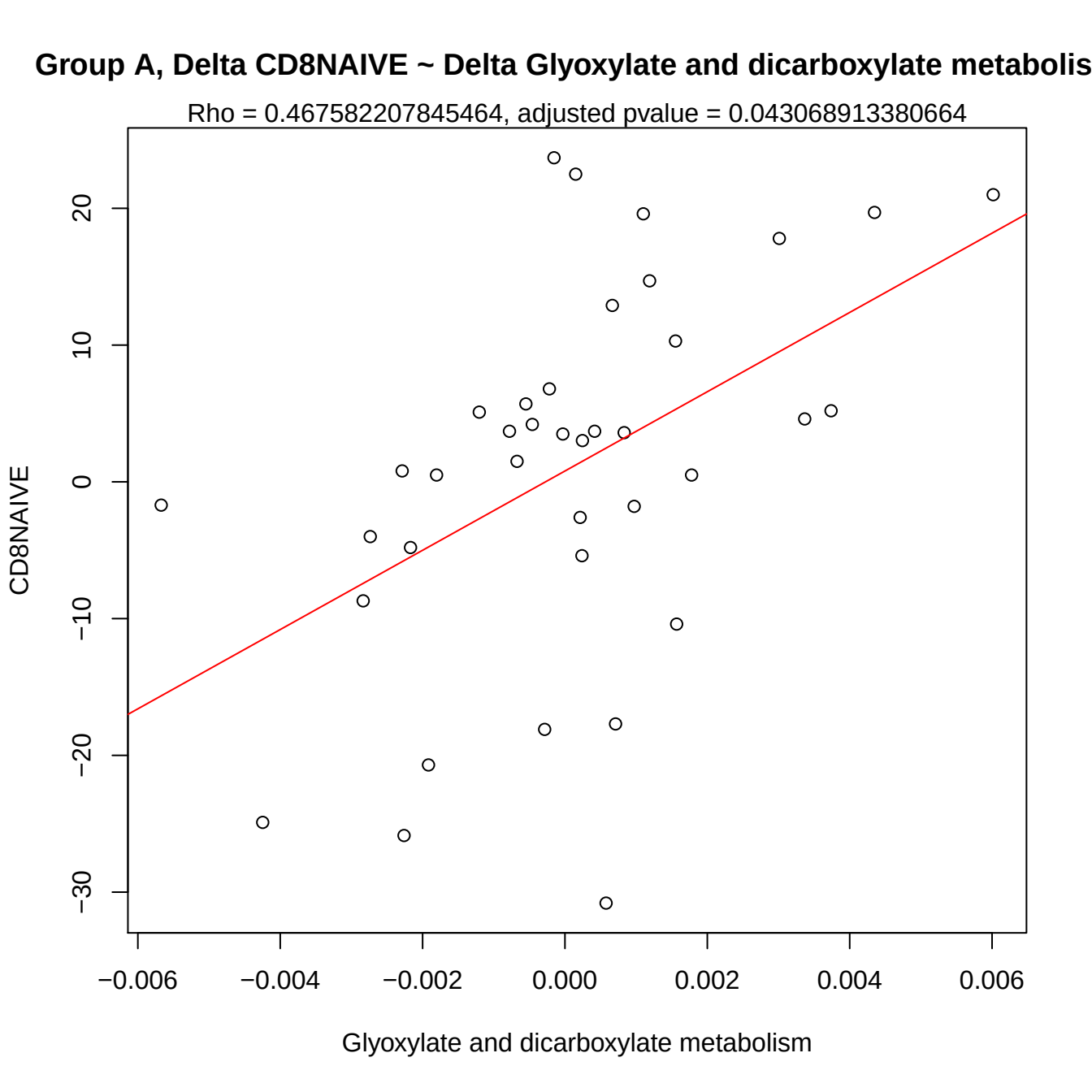

Group A, Delta CD8NAIVE ~ Delta Arginine and proline metabolism
Rho = 0.559391585889542, adjusted pvalue = 0.0124865856913683
CD8NAIVE
20
10
0
−10
−20
−30
−0.005
0.000
0.005
0.010
0.015
Arginine and proline metabolism

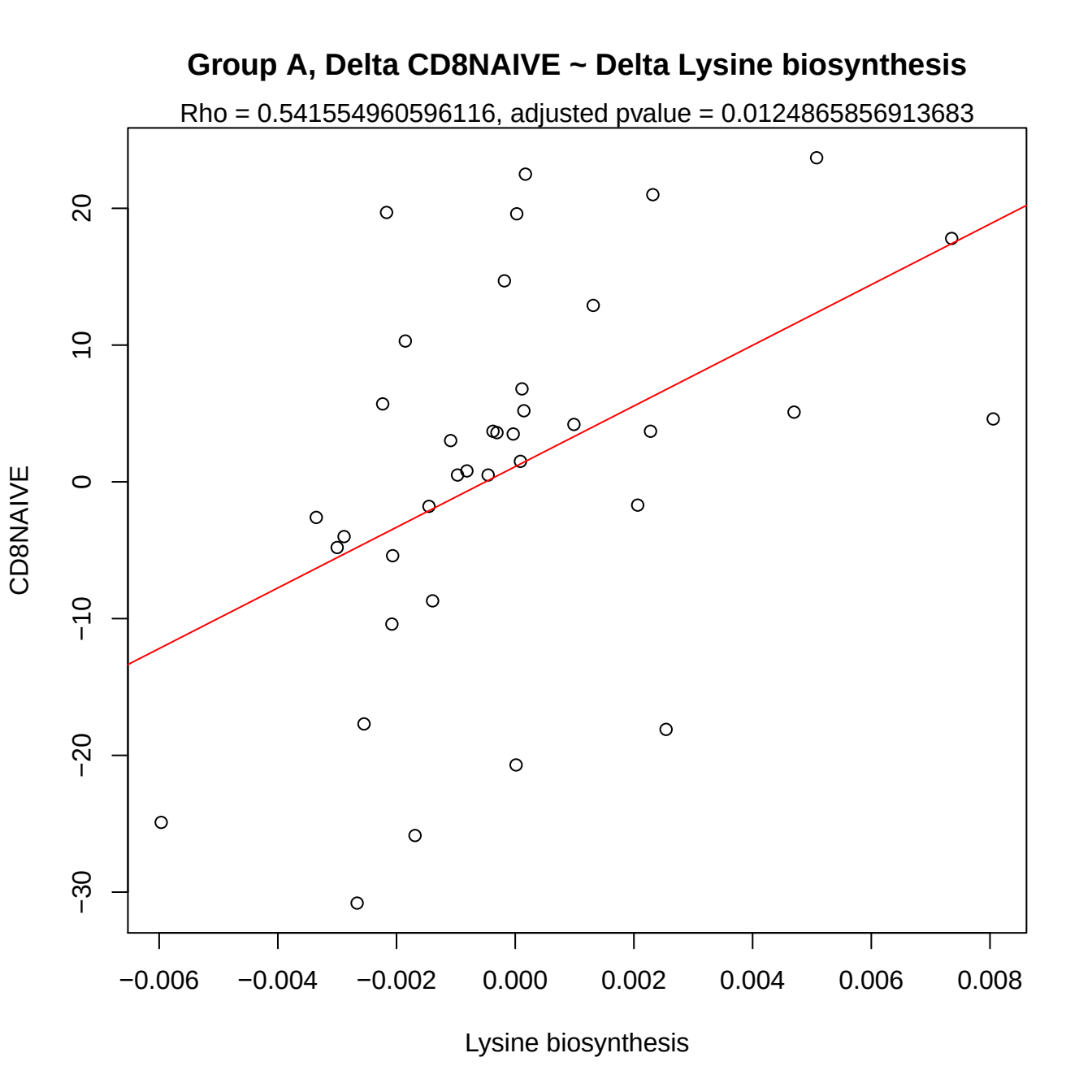

Group A, Delta CD8NAIVE ~ Delta Valine, leucine and isoleucine biosynthe
Rho = 0.438146304753859, adjusted pvalue = 0.0556577203281506
CD8NAIVE
20
10
0
−10
−20
−30
−0.005
0.000
0.005
Valine, leucine and isoleucine biosynthesis

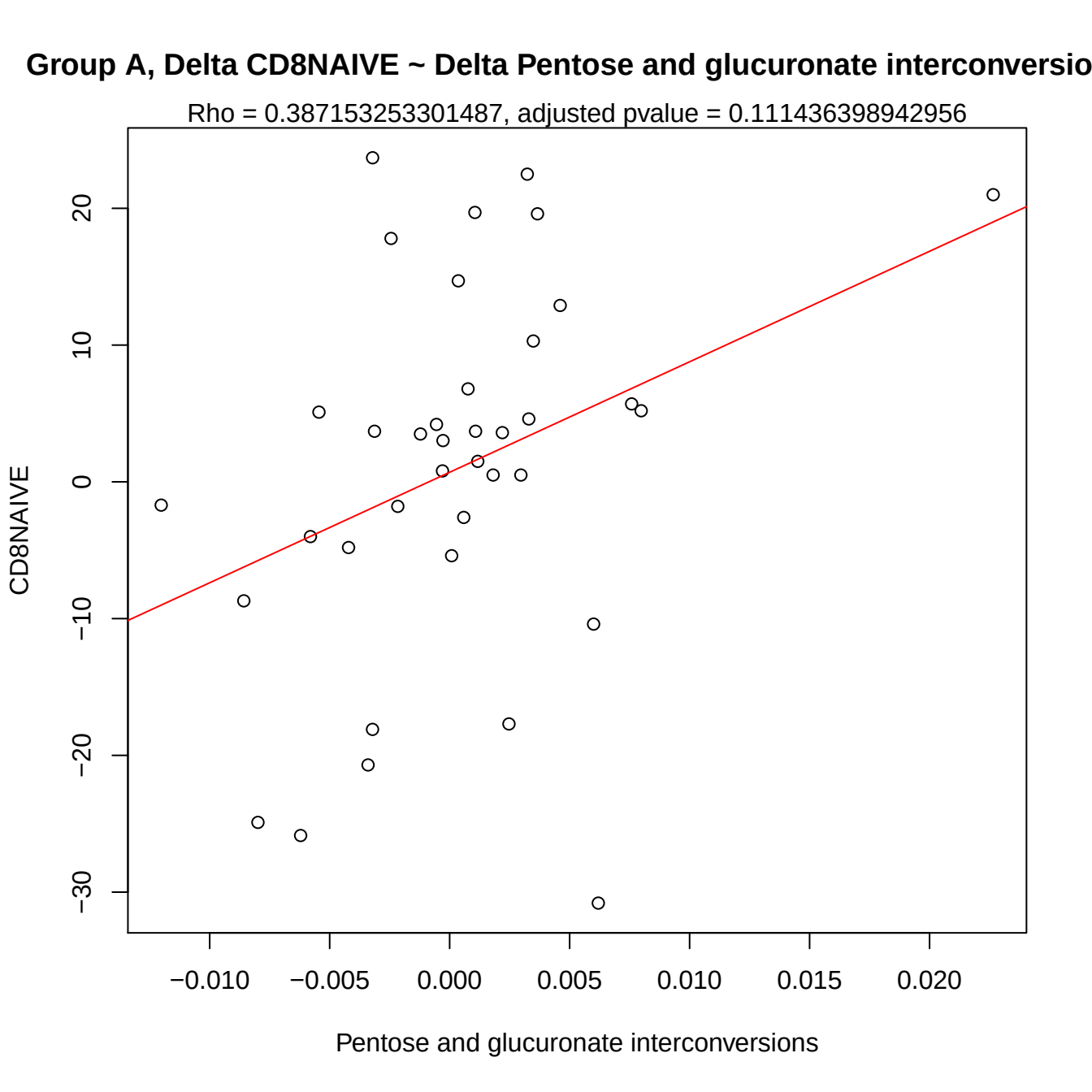

Group A, Delta CD8NAIVE ~ Delta Glycosyltransferases
Rho = −0.359358757445473, adjusted pvalue = 0.11696079773105
CD8NAIVE
20
10
0
−10
−20
−30
−0.010
−0.005
0.000
0.005
0.010
Glycosyltransferases

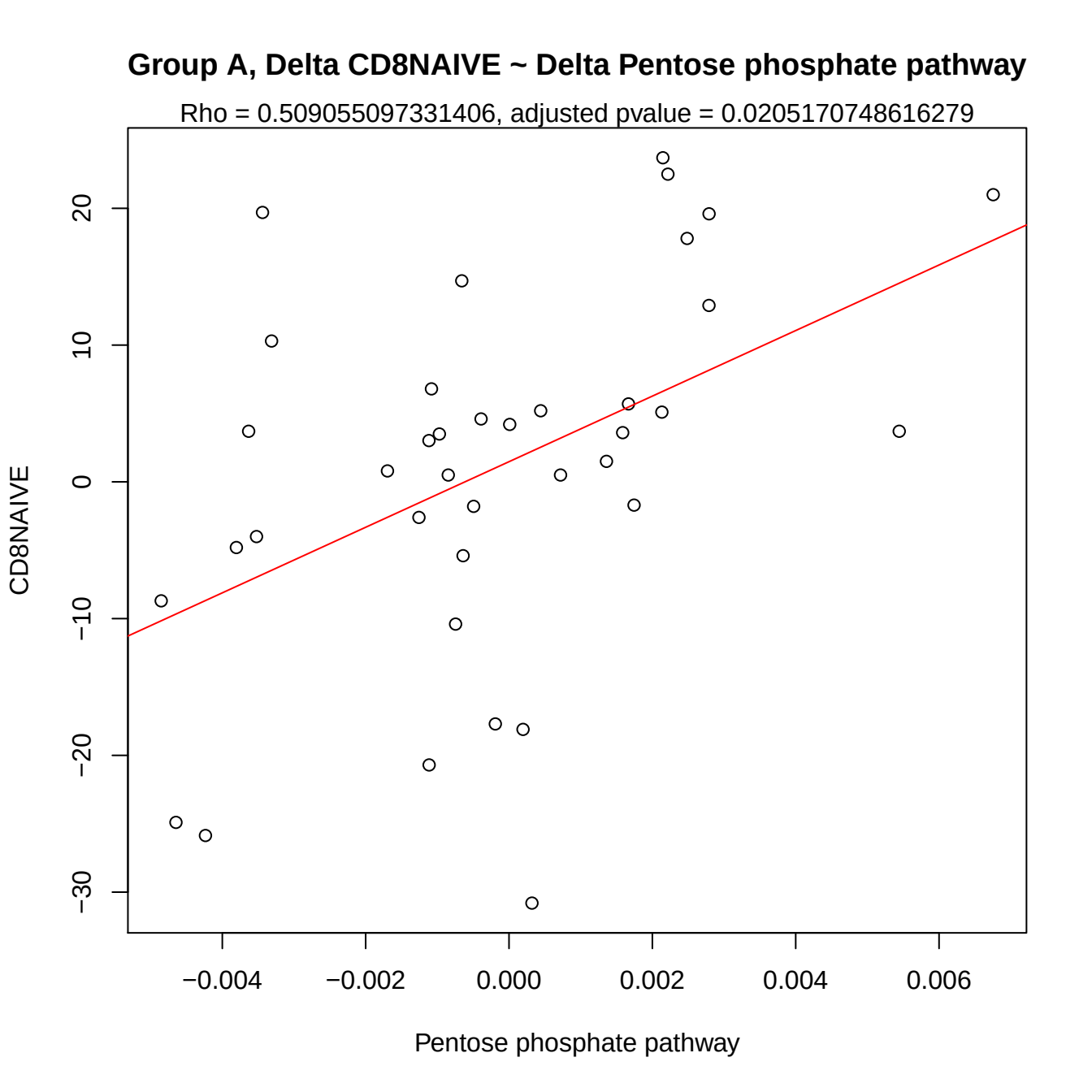

Group A, Delta CD8NAIVE ~ Delta Glycerolipid metabolism
Rho = 0.43792745045578, adjusted pvalue = 0.0556577203281506
CD8NAIVE
20
10
0
−10
−20
−30
−0.010
−0.005
0.000
0.005
0.010
Glycerolipid metabolism

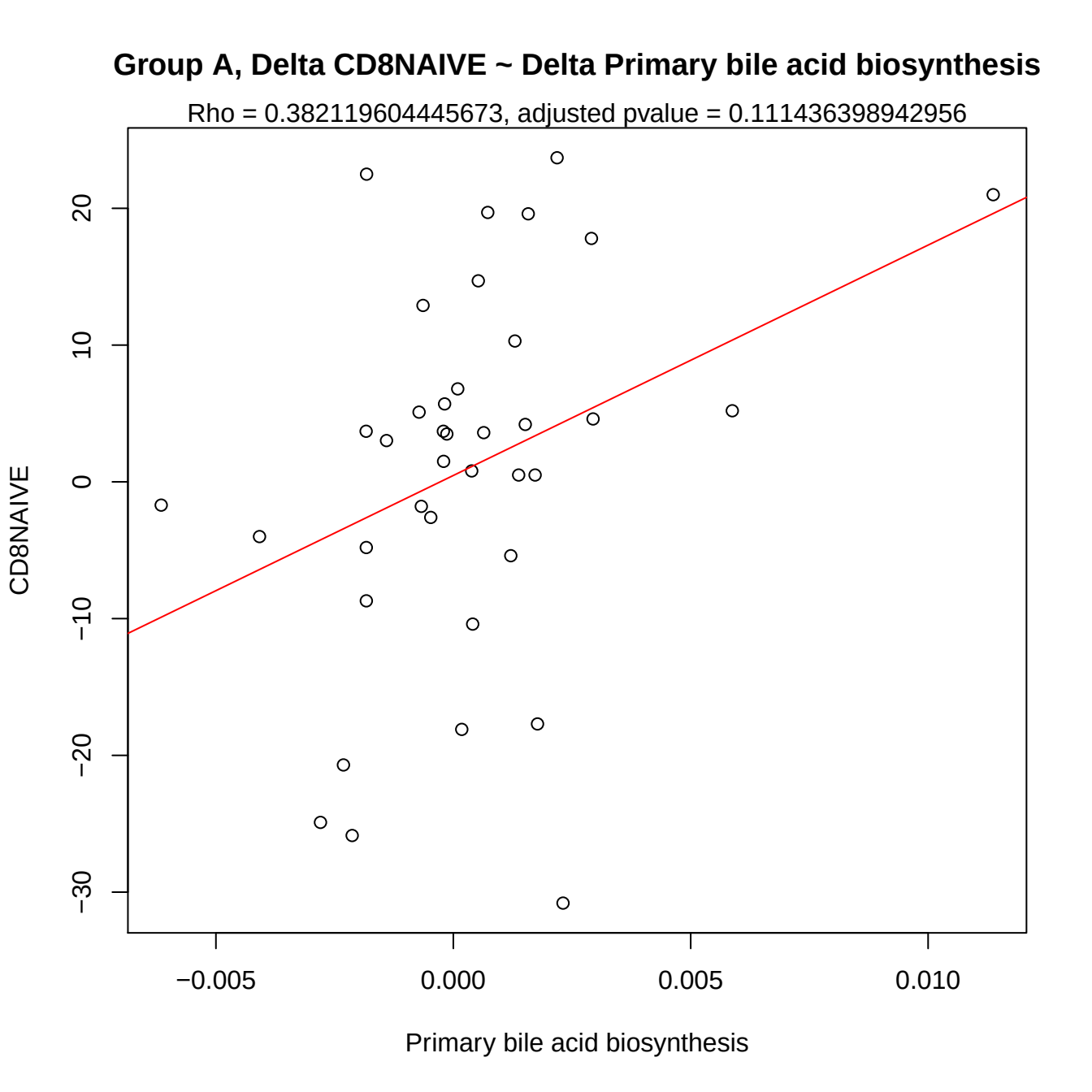

Group A, Delta CD8NAIVE ~ Delta Glycerophospholipid metabolism
Rho = 0.311757947613323, adjusted pvalue = 0.198548715405254
CD8NAIVE
20
10
0
−10
−20
−30
−0.004
−0.002
0.000
0.002
0.004
0.006
Glycerophospholipid metabolism

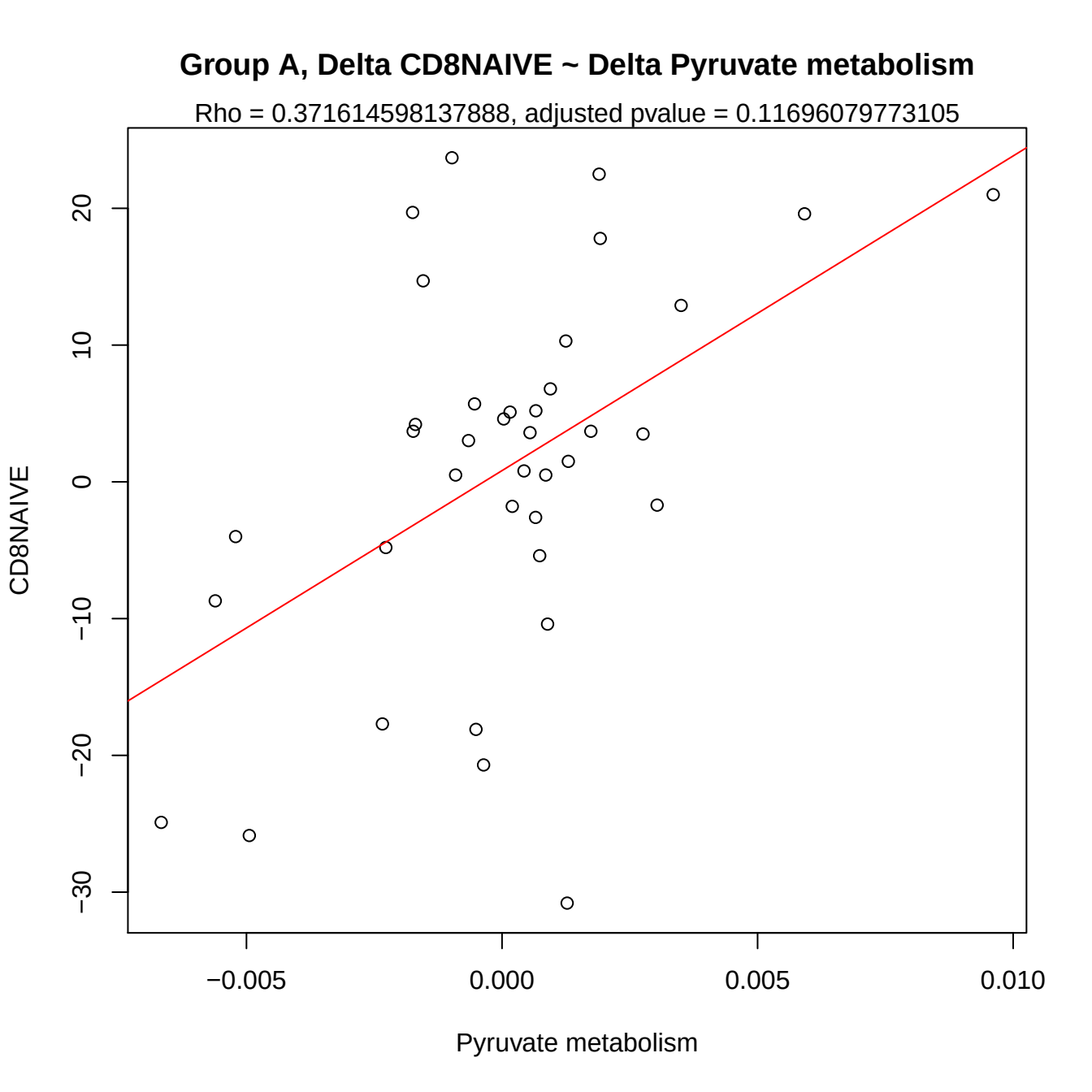

Group A, Delta CD8NAIVE ~ Delta Glyoxylate and dicarboxylate metabolis
Rho = 0.467582207845464, adjusted pvalue = 0.043068913380664
CD8NAIVE
20
10
0
−10
−20
−30
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Glyoxylate and dicarboxylate metabolism

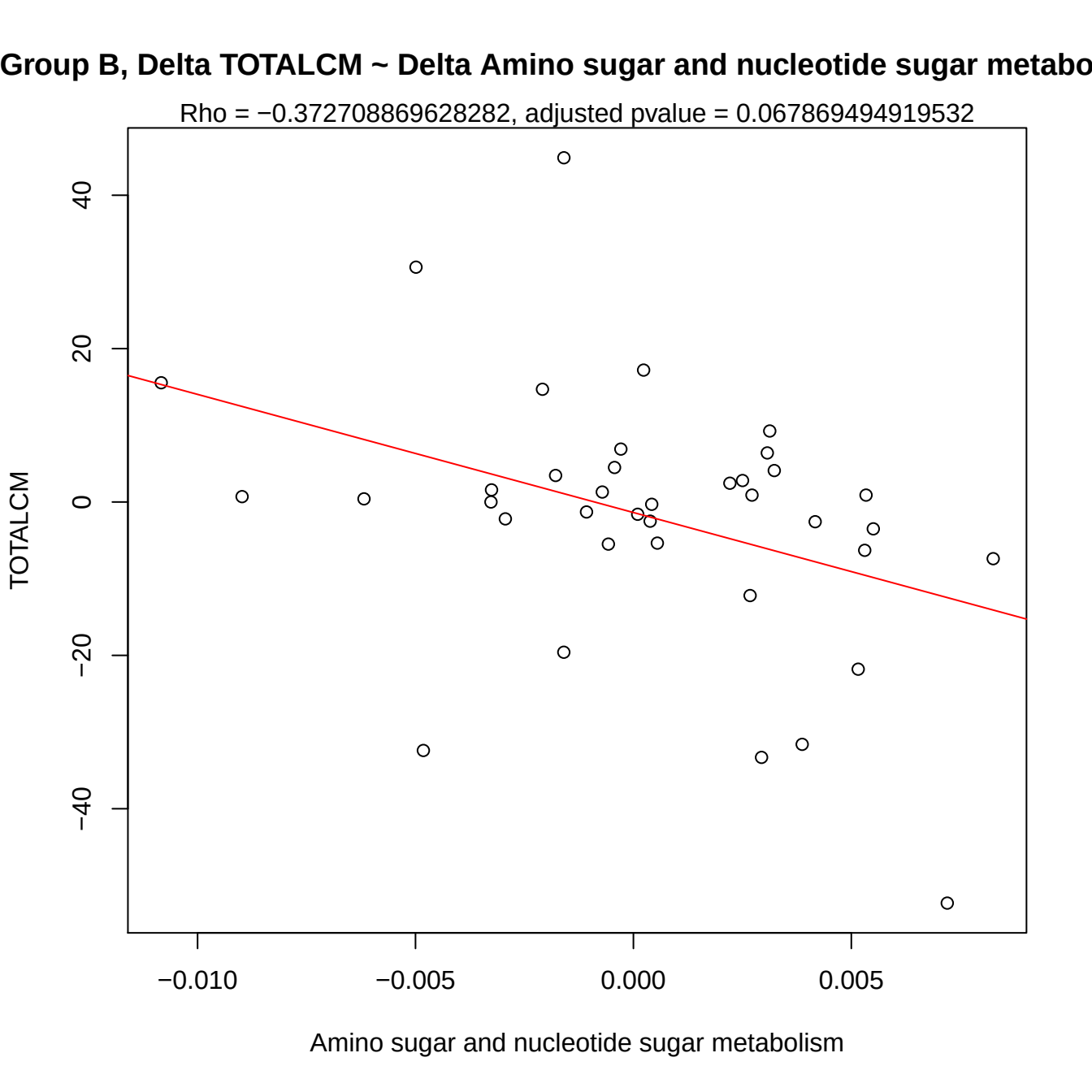

Group A, Delta CD8NAIVE ~ Delta Lysine biosynthesis
Rho = 0.541554960596116, adjusted pvalue = 0.0124865856913683
CD8NAIVE
20
10
0
−10
−20
−30
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
0.008
Lysine biosynthesis

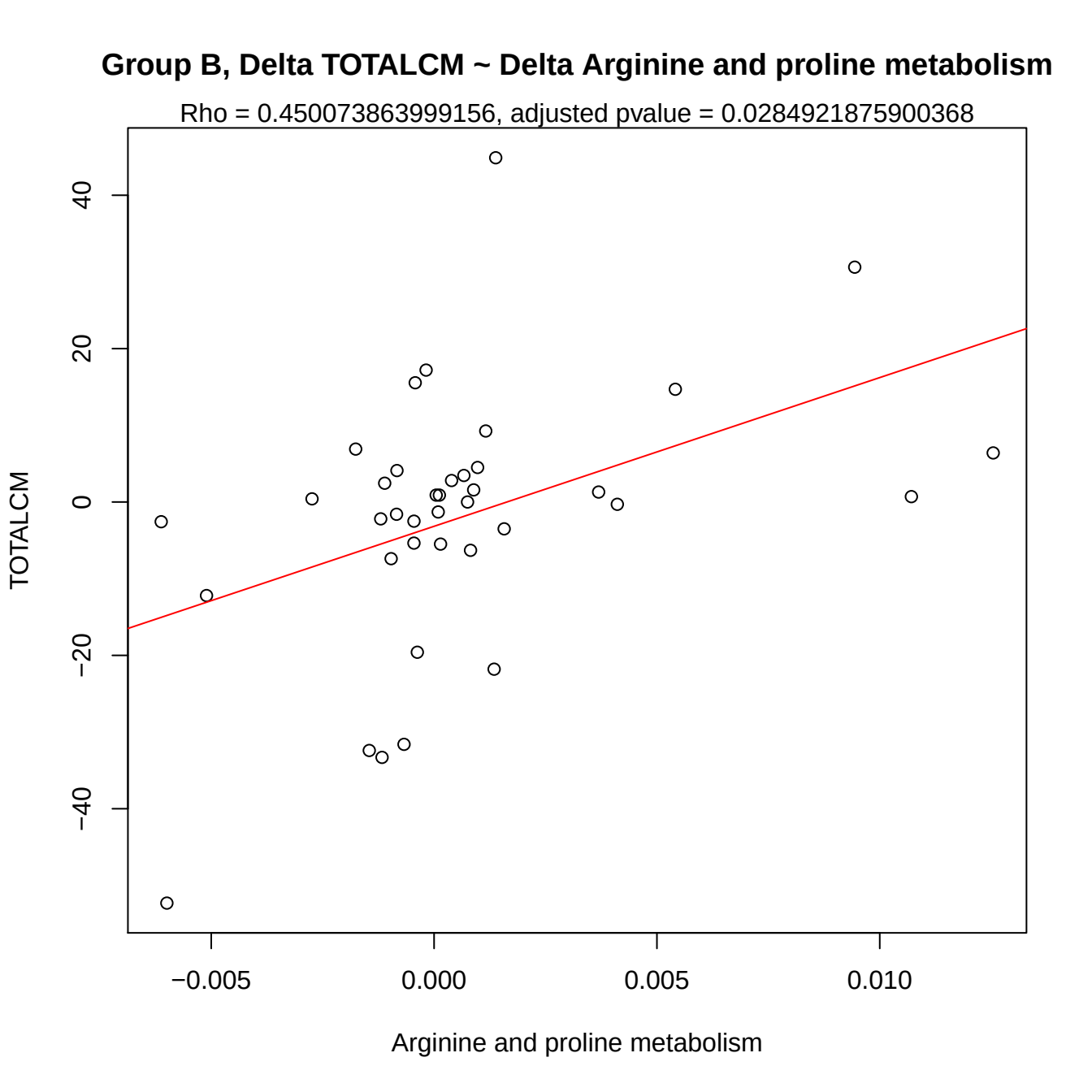

Group A, Delta CD8NAIVE ~ Delta Pentose and glucuronate interconversio
Rho = 0.387153253301487, adjusted pvalue = 0.111436398942956
CD8NAIVE
20
10
0
−10
−20
−30
−0.010
−0.005
0.000
0.005
0.010
0.015
0.020
Pentose and glucuronate interconversions

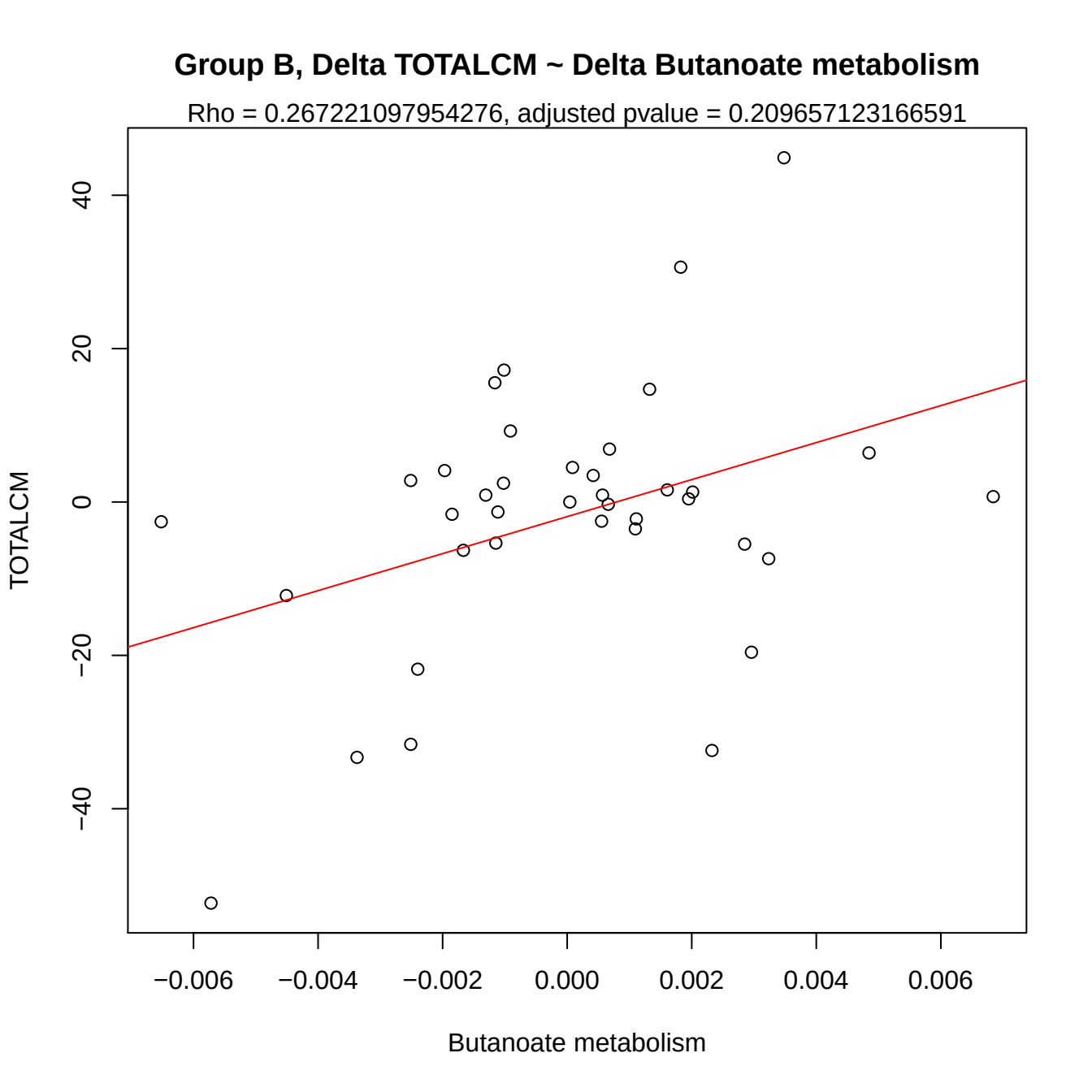

Group A, Delta CD8NAIVE ~ Delta Pentose phosphate pathway
Rho = 0.509055097331406, adjusted pvalue = 0.0205170748616279
CD8NAIVE
20
10
0
−10
−20
−30
−0.004
−0.002
0.000
0.002
0.004
0.006
Pentose phosphate pathway

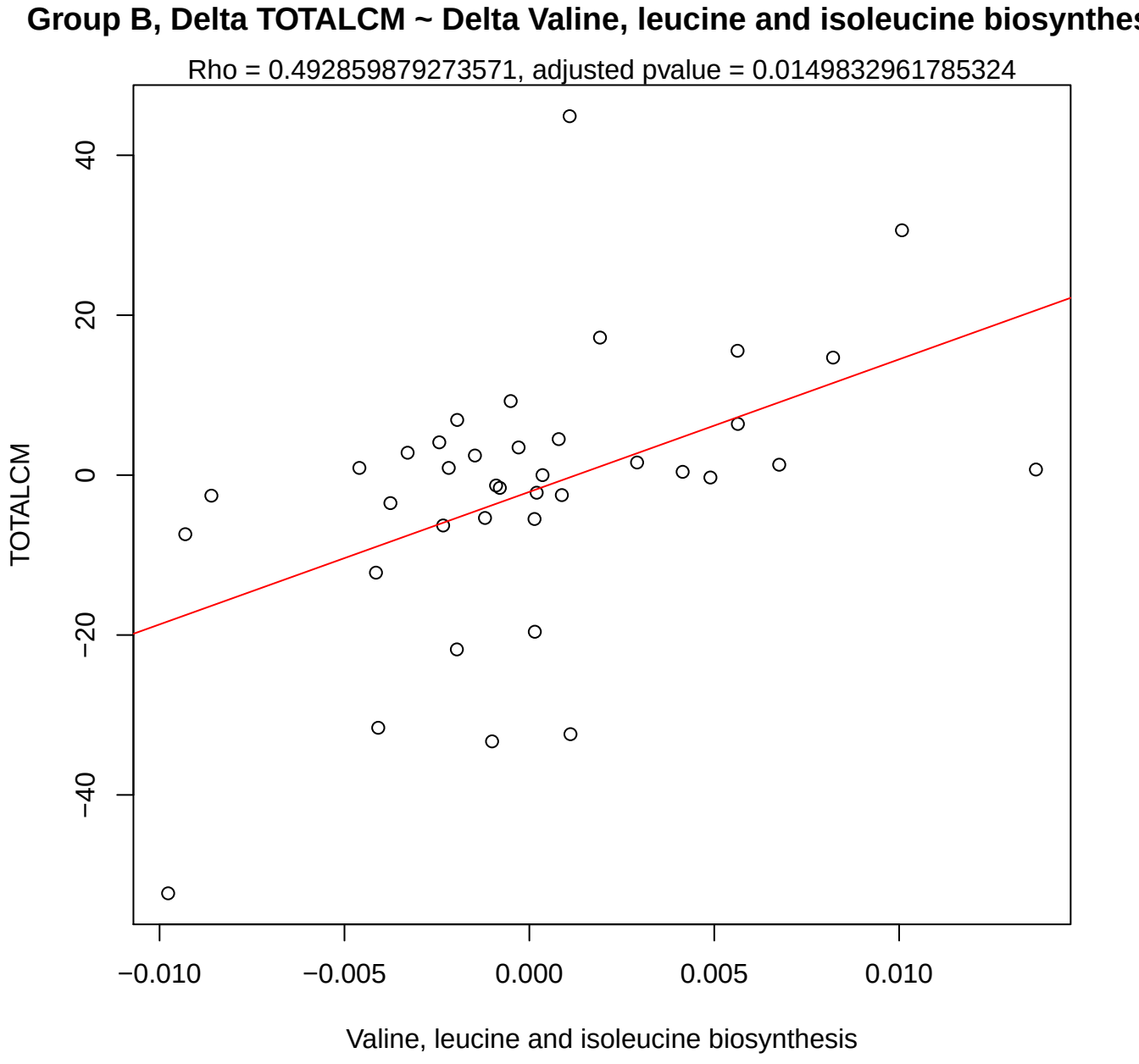

Group A, Delta CD8NAIVE ~ Delta Primary bile acid biosynthesis
Rho = 0.382119604445673, adjusted pvalue = 0.111436398942956
CD8NAIVE
20
10
0
−10
−20
−30
−0.005
0.000
0.005
0.010
Primary bile acid biosynthesis

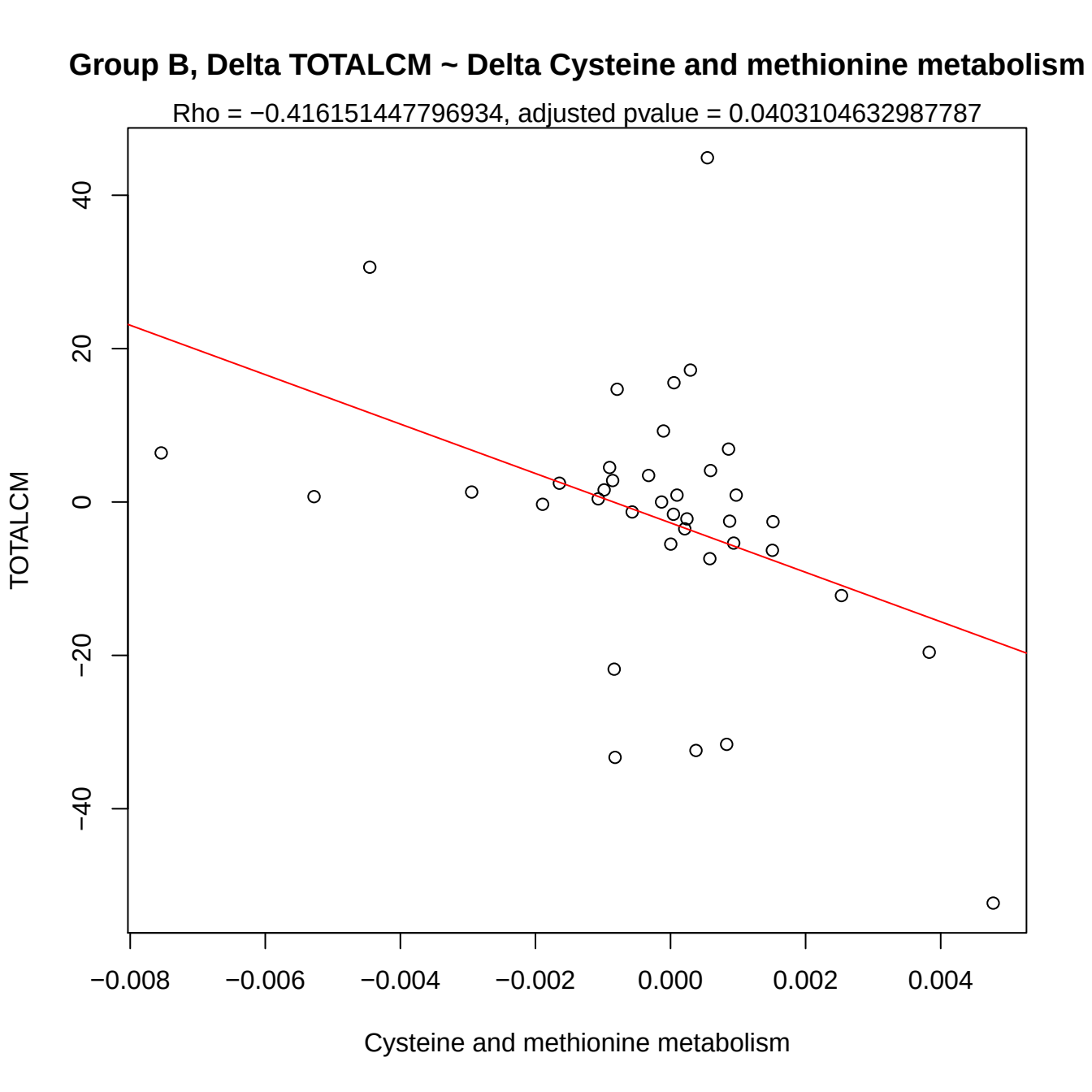

Group A, Delta CD8NAIVE ~ Delta Pyruvate metabolism
Rho = 0.371614598137888, adjusted pvalue = 0.11696079773105
CD8NAIVE
20
10
0
−10
−20
−30
−0.005
0.000
0.005
0.010
Pyruvate metabolism

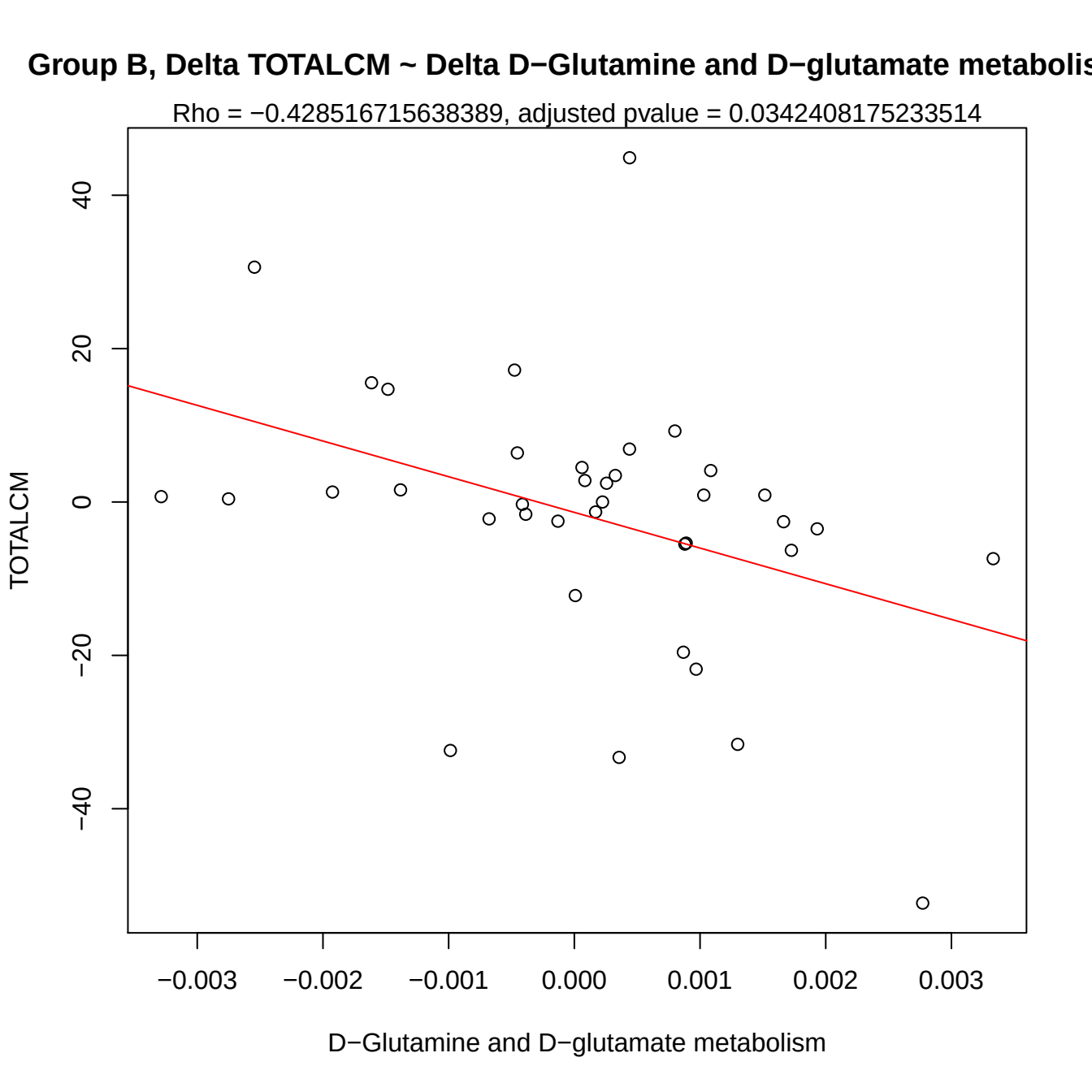

Group B, Delta TOTALCM ~ Delta Amino sugar and nucleotide sugar metabo
Rho = −0.372708869628282, adjusted pvalue = 0.067869494919532
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
Amino sugar and nucleotide sugar metabolism

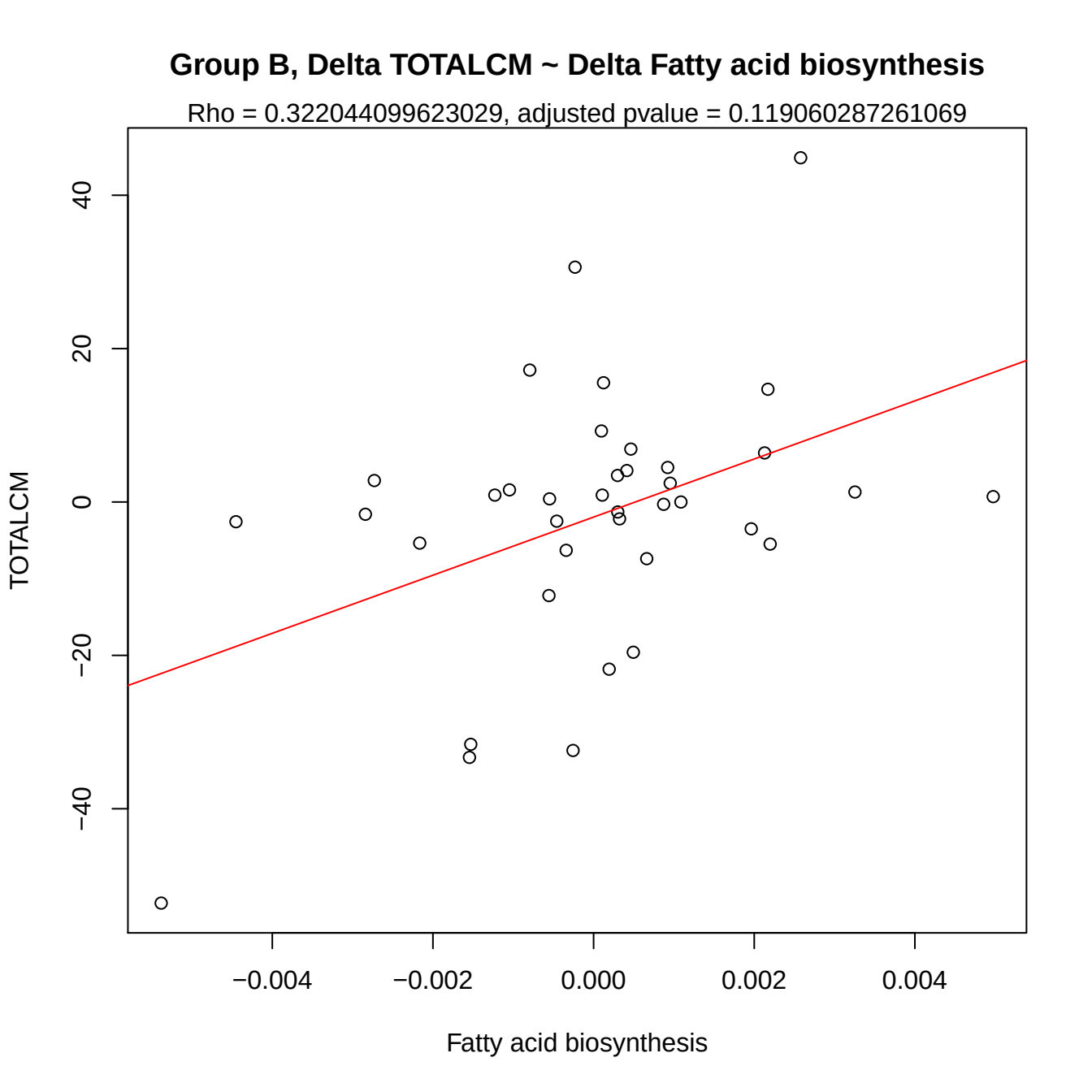

Group B, Delta TOTALCM ~ Delta Arginine and proline metabolism
Rho = 0.450073863999156, adjusted pvalue = 0.0284921875900368
TOTALCM
40
20
0
−20
−40
−0.005
0.000
0.005
0.010
Arginine and proline metabolism

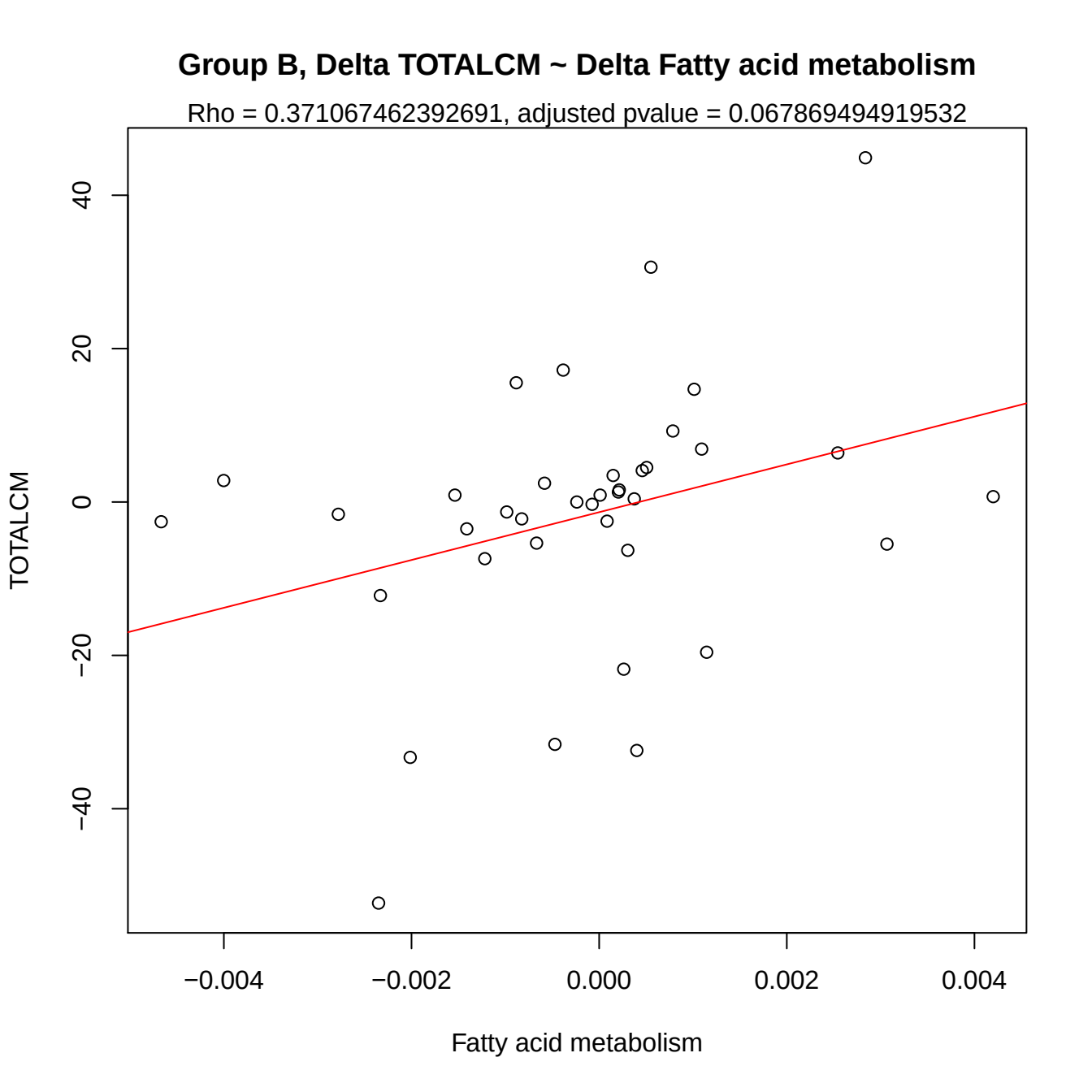

Group B, Delta TOTALCM ~ Delta Butanoate metabolism
Rho = 0.267221097954276, adjusted pvalue = 0.209657123166591
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Butanoate metabolism

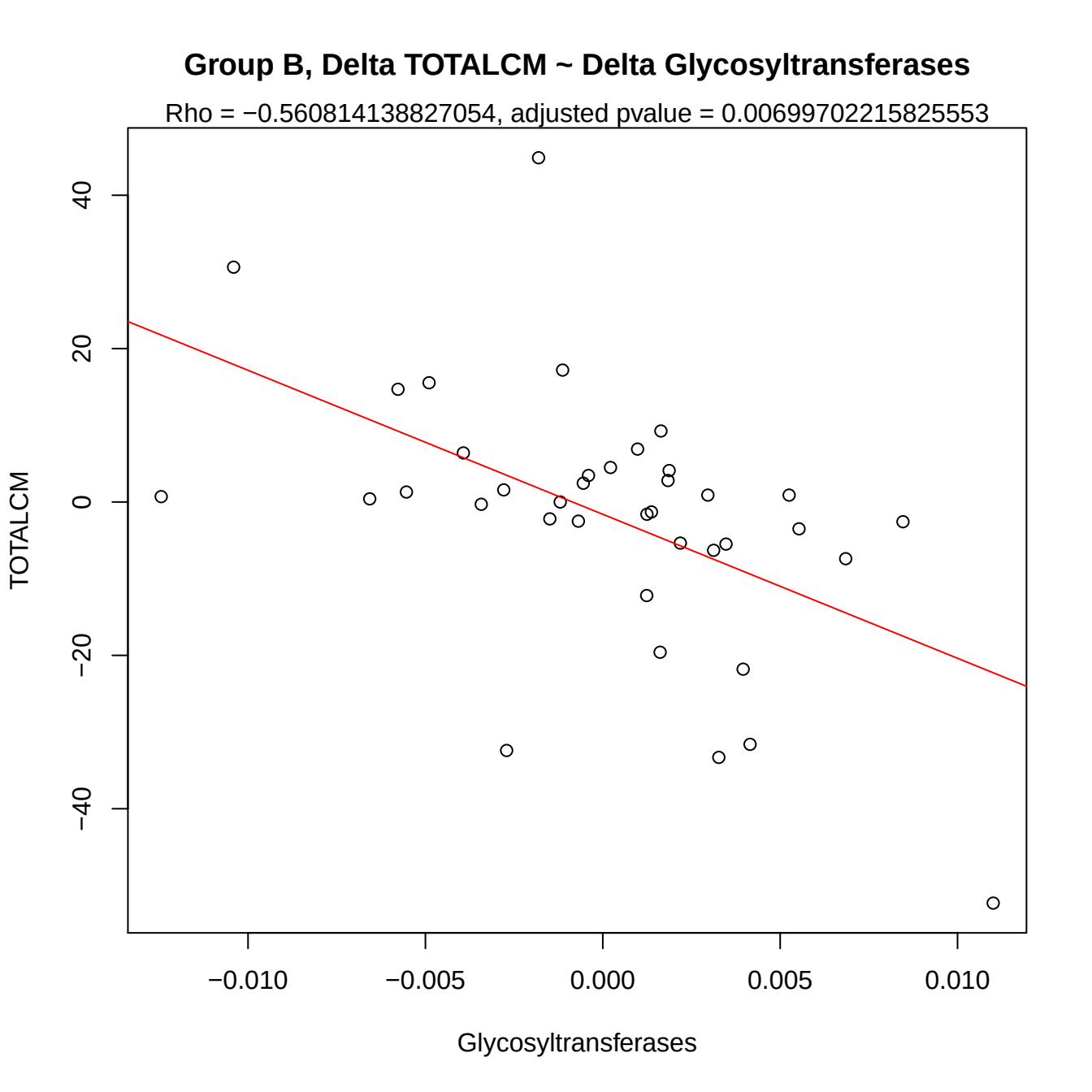

Group B, Delta TOTALCM ~ Delta Valine, leucine and isoleucine biosynthes
Rho = 0.492859879273571, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
0.010
Valine, leucine and isoleucine biosynthesis

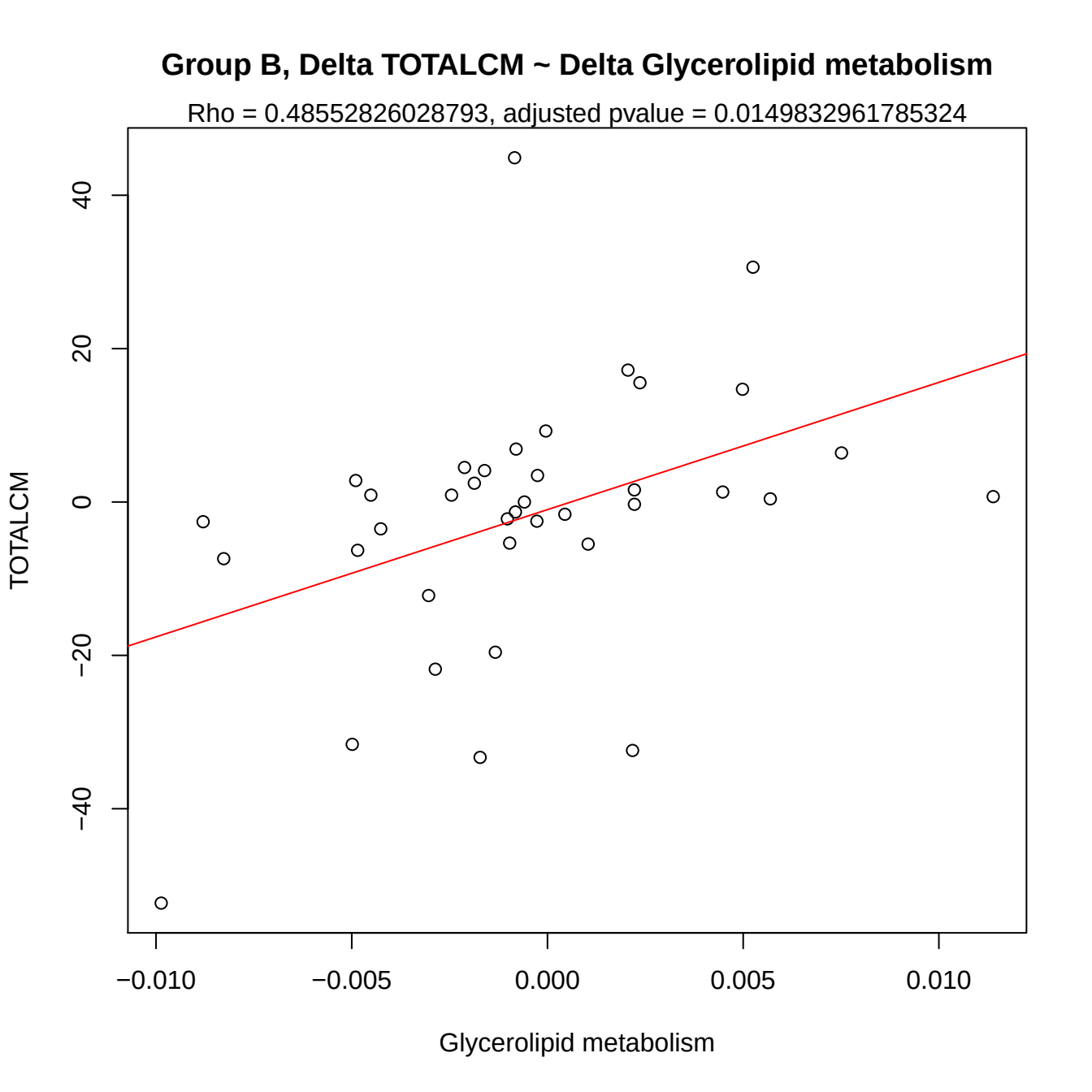

Group B, Delta TOTALCM ~ Delta Cysteine and methionine metabolism
Rho = −0.416151447796934, adjusted pvalue = 0.0403104632987787
TOTALCM
40
20
0
−20
−40
−0.008
−0.006
−0.004
−0.002
0.000
0.002
0.004
Cysteine and methionine metabolism

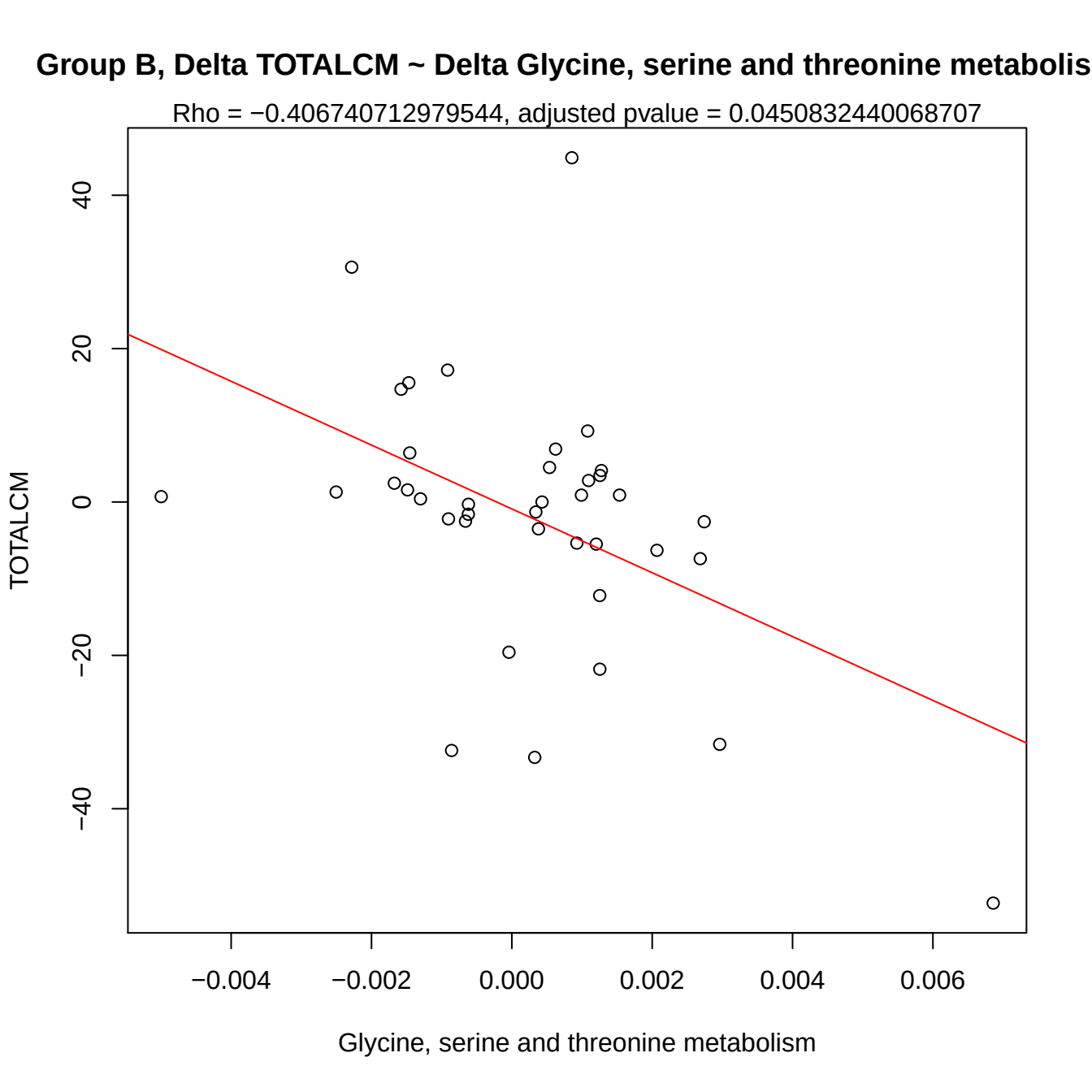

Group B, Delta TOTALCM ~ Delta D−Glutamine and D−glutamate metaboli
Rho = −0.428516715638389, adjusted pvalue = 0.0342408175233514
TOTALCM
40
20
0
−20
−40
−0.003
−0.002
−0.001
0.000
0.001
0.002
0.003
D−Glutamine and D−glutamate metabolism

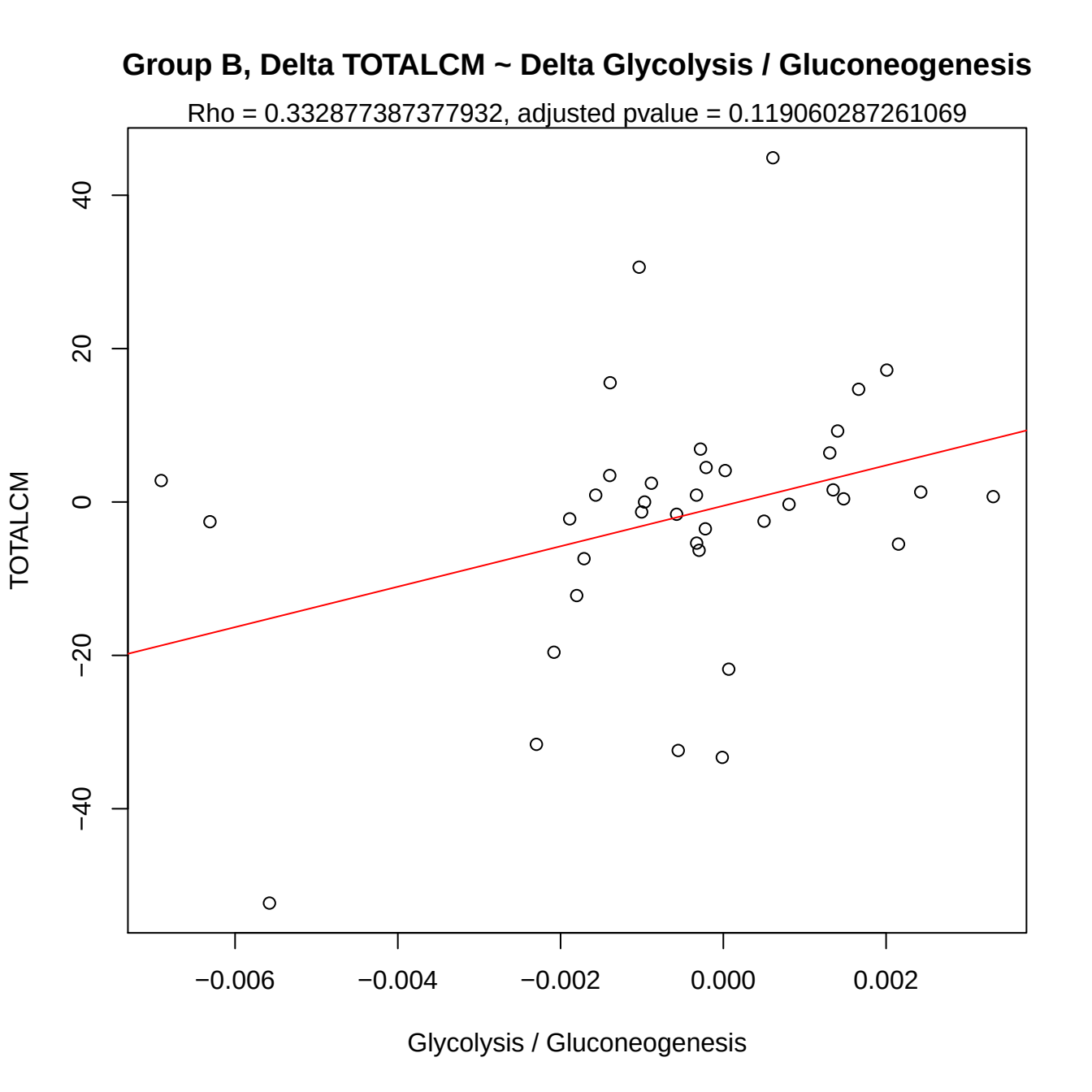

Group B, Delta TOTALCM ~ Delta Fatty acid biosynthesis
Rho = 0.322044099623029, adjusted pvalue = 0.119060287261069
TOTALCM
40
20
0
−20
−40
−0.004
−0.002
0.000
0.002
0.004
Fatty acid biosynthesis

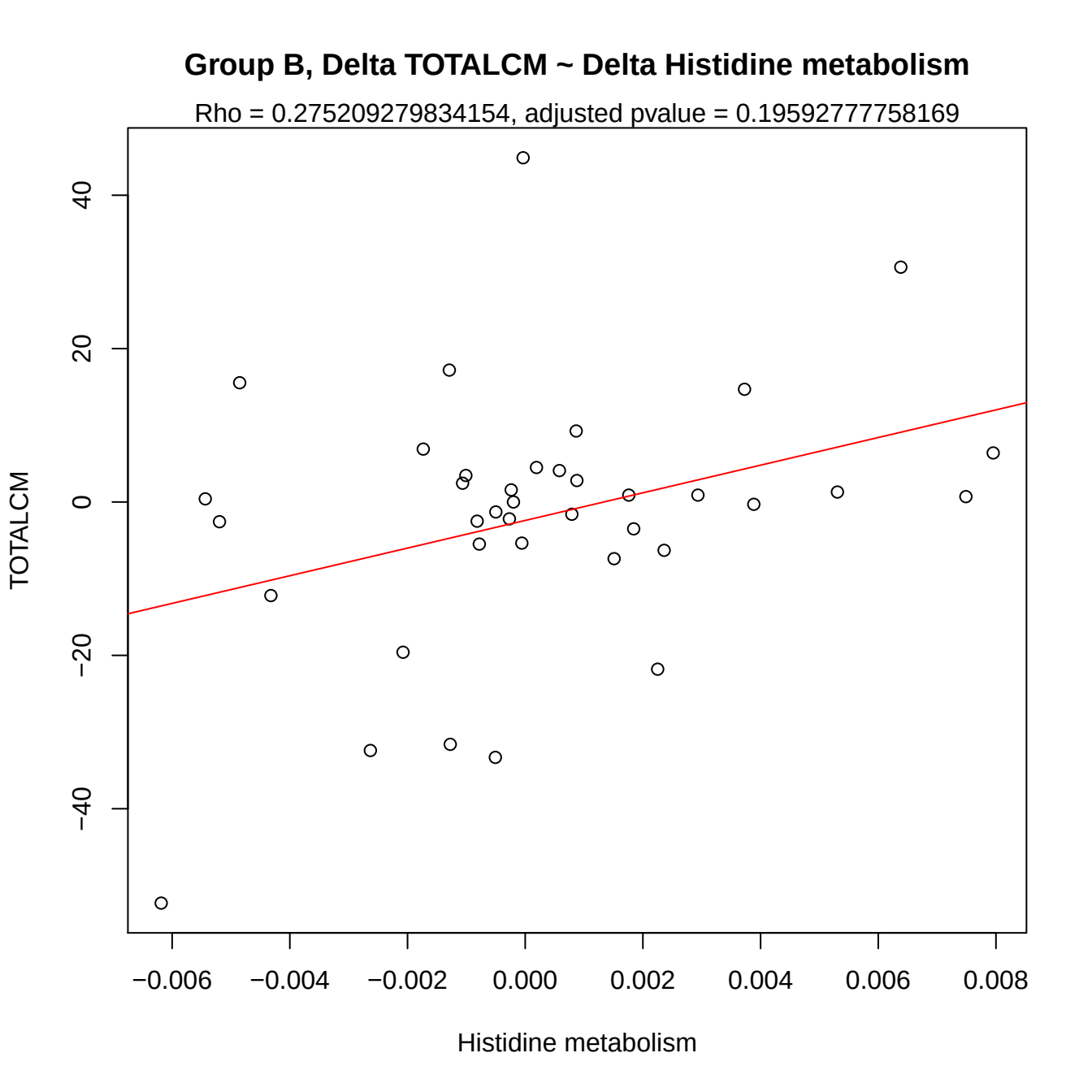

Group B, Delta TOTALCM ~ Delta Fatty acid metabolism
Rho = 0.371067462392691, adjusted pvalue = 0.067869494919532
TOTALCM
40
20
0
−20
−40
−0.004
−0.002
0.000
0.002
0.004
Fatty acid metabolism

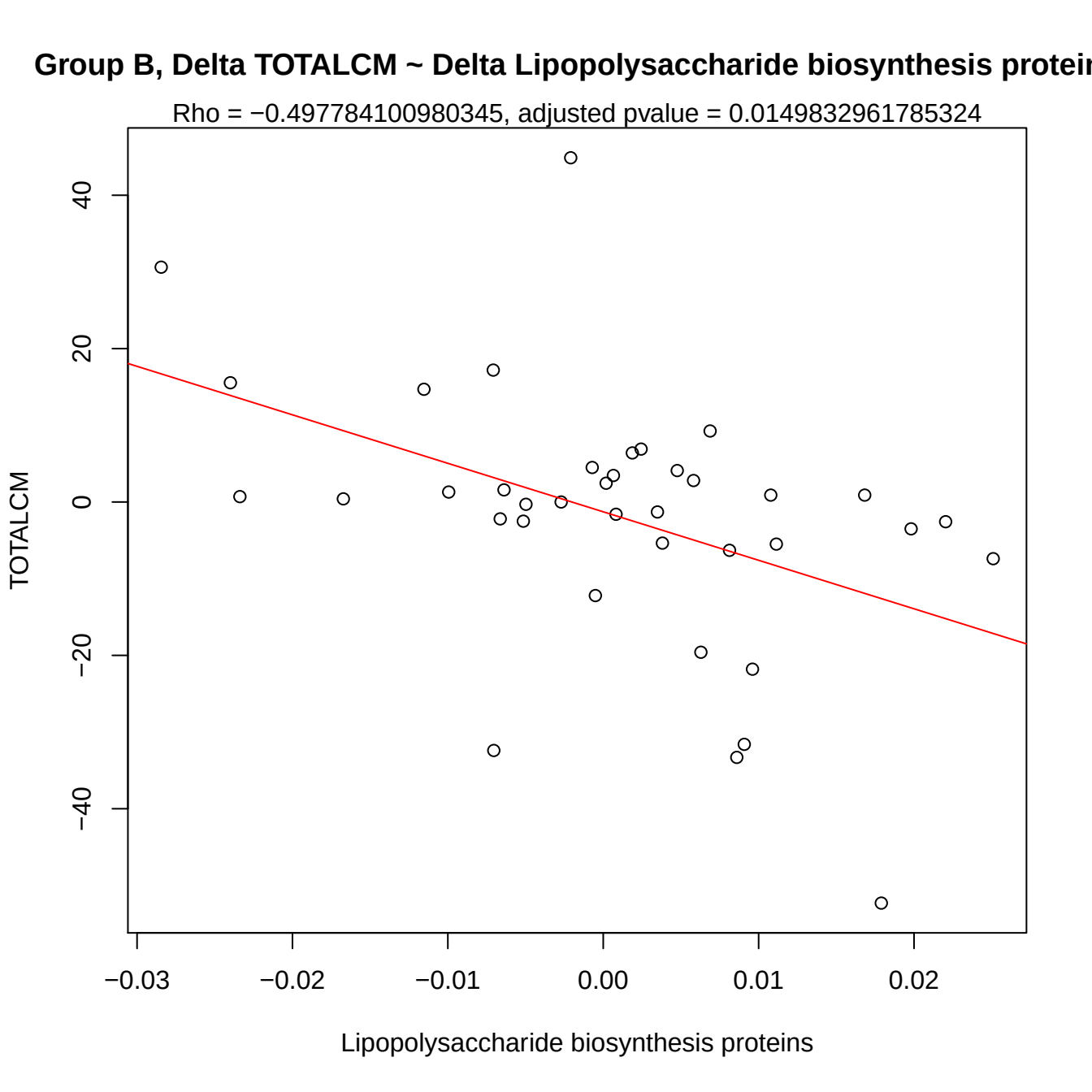

Group B, Delta TOTALCM ~ Delta Glycosyltransferases
Rho = −0.560814138827054, adjusted pvalue = 0.00699702215825553
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
0.010
Glycosyltransferases

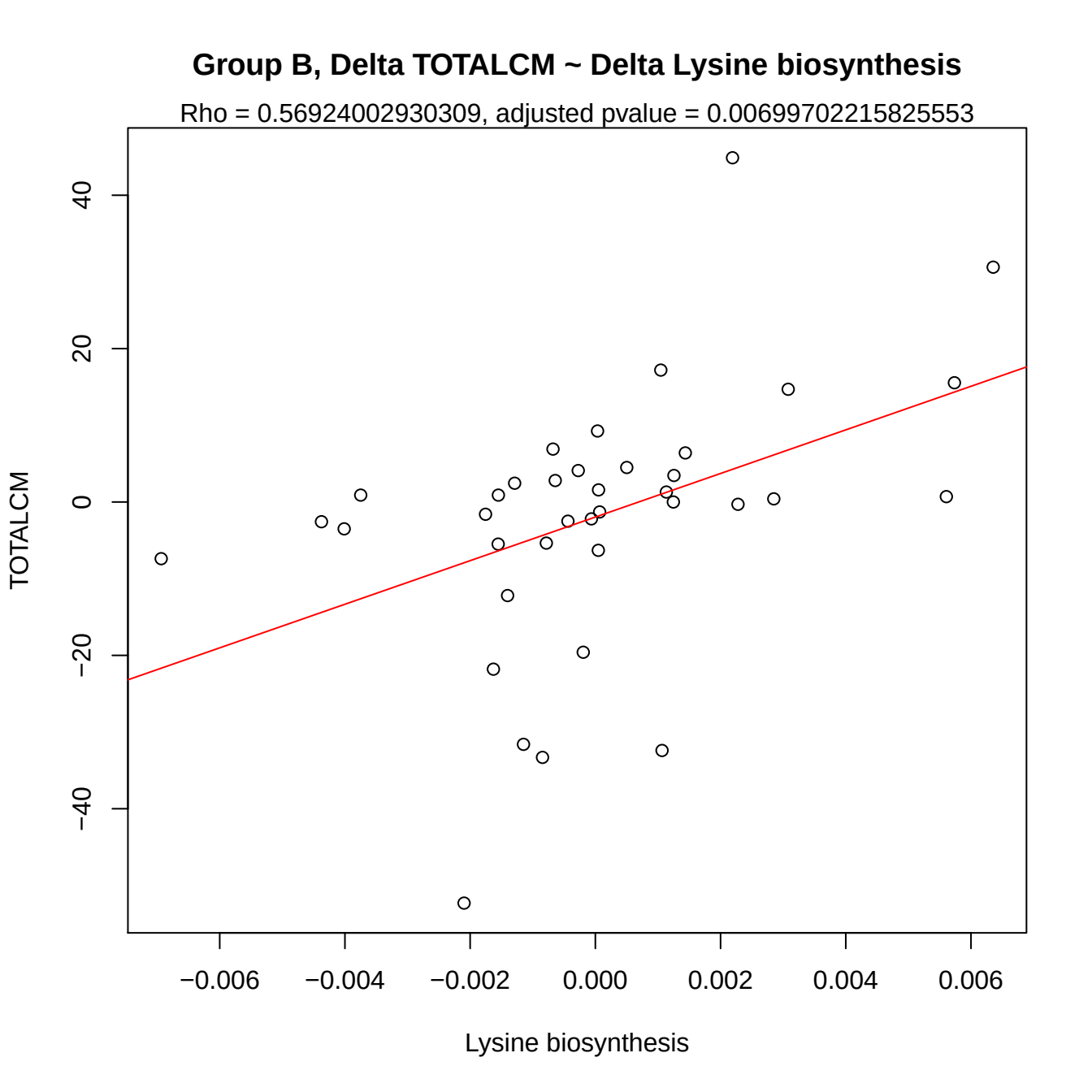

Group B, Delta TOTALCM ~ Delta Glycerolipid metabolism
Rho = 0.48552826028793, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
0.010
Glycerolipid metabolism

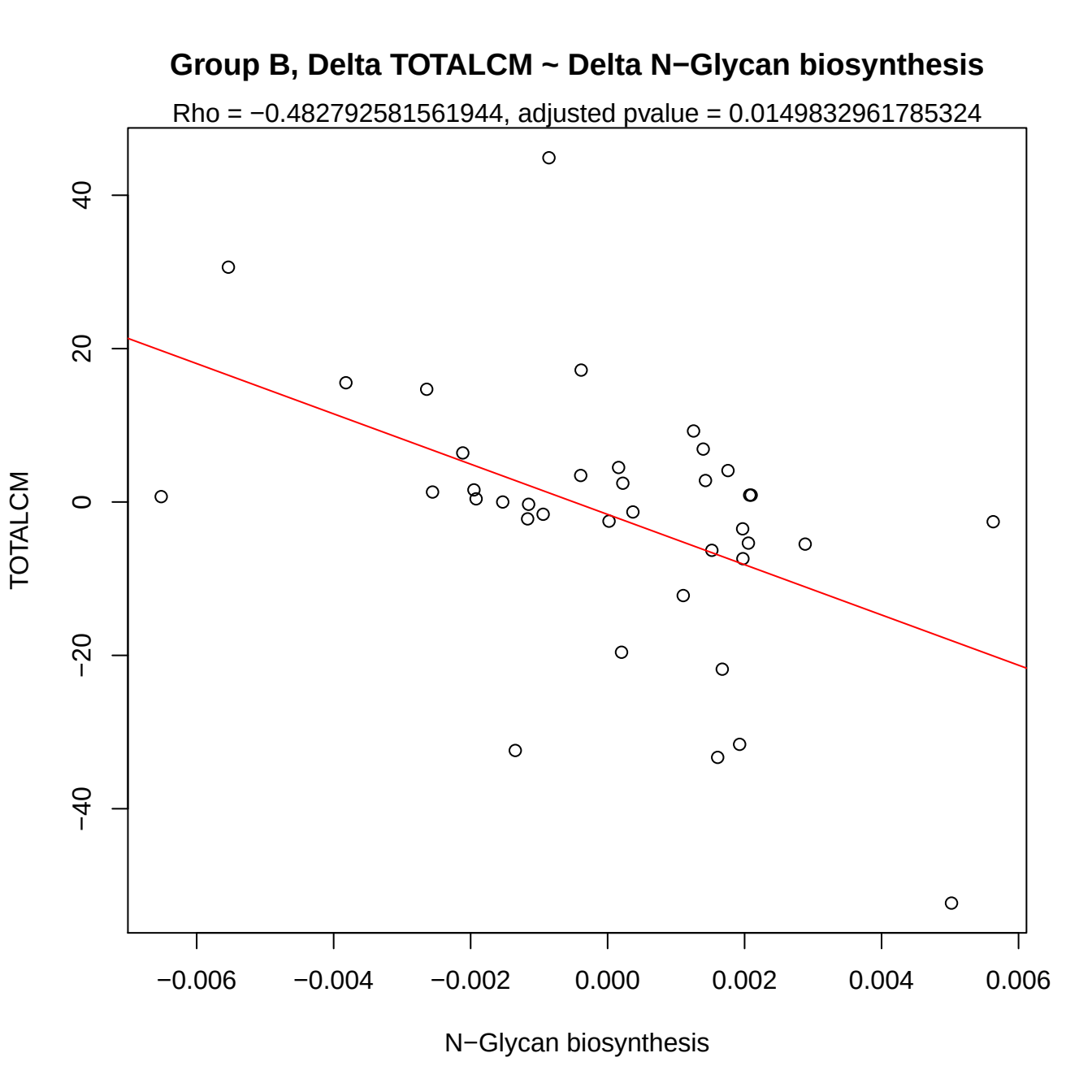

Group B, Delta TOTALCM ~ Delta Glycine, serine and threonine metabolis
Rho = −0.406740712979544, adjusted pvalue = 0.0450832440068707
TOTALCM
40
20
0
−20
−40
−0.004
−0.002
0.000
0.002
0.004
0.006
Glycine, serine and threonine metabolism

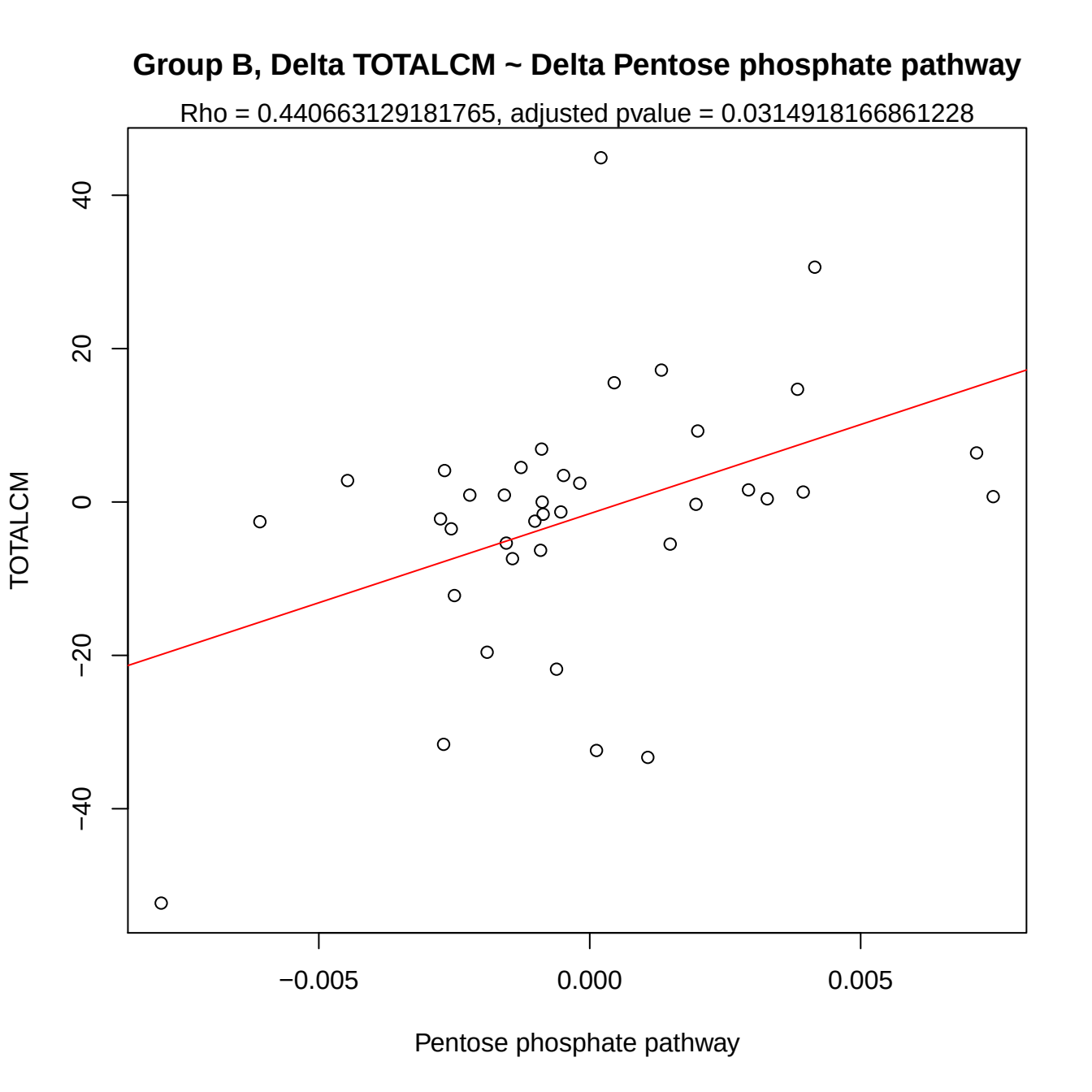

Group B, Delta TOTALCM ~ Delta Glycolysis / Gluconeogenesis
Rho = 0.332877387377932, adjusted pvalue = 0.119060287261069
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
Glycolysis / Gluconeogenesis

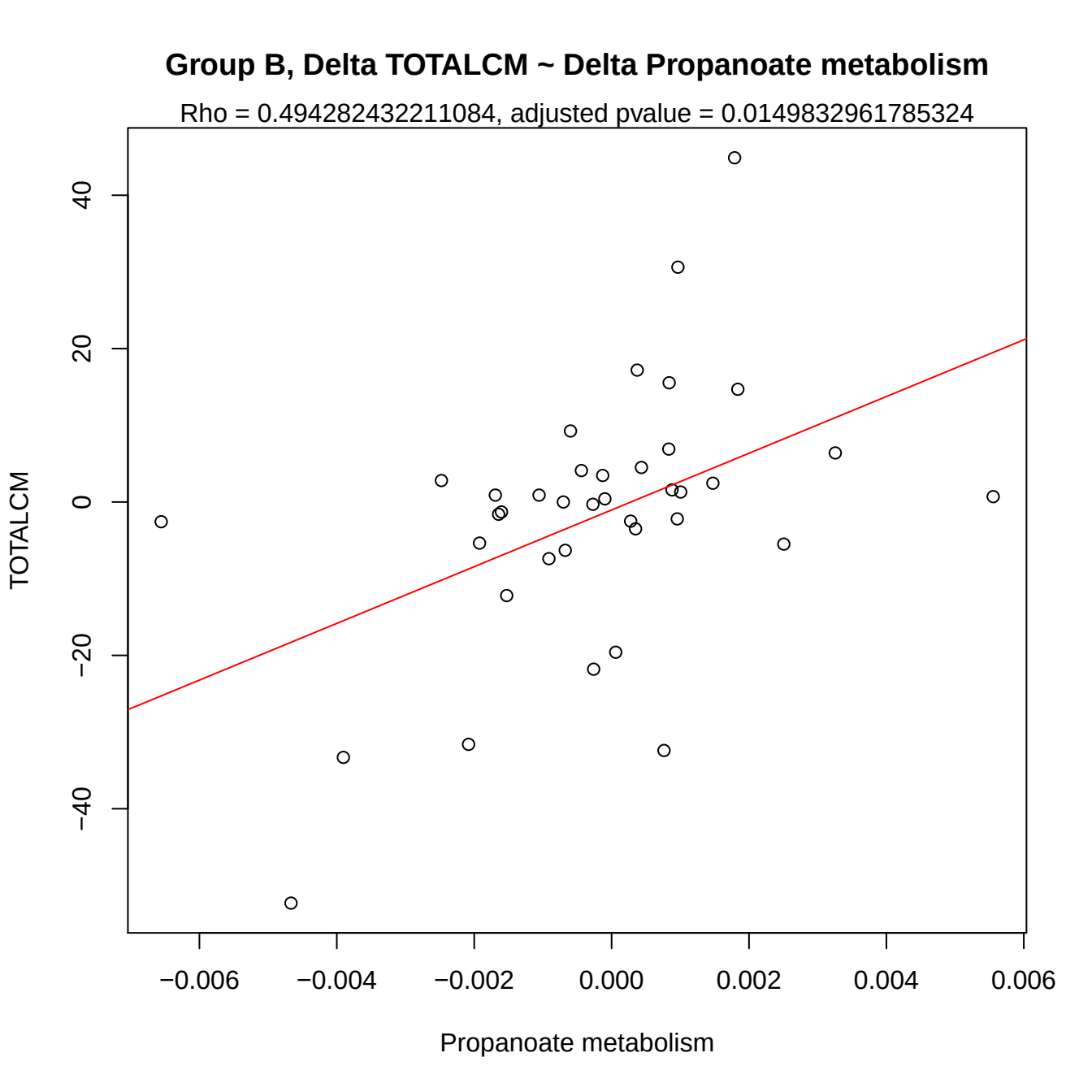

Group B, Delta TOTALCM ~ Delta Histidine metabolism
Rho = 0.275209279834154, adjusted pvalue = 0.19592777758169
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
0.008
Histidine metabolism

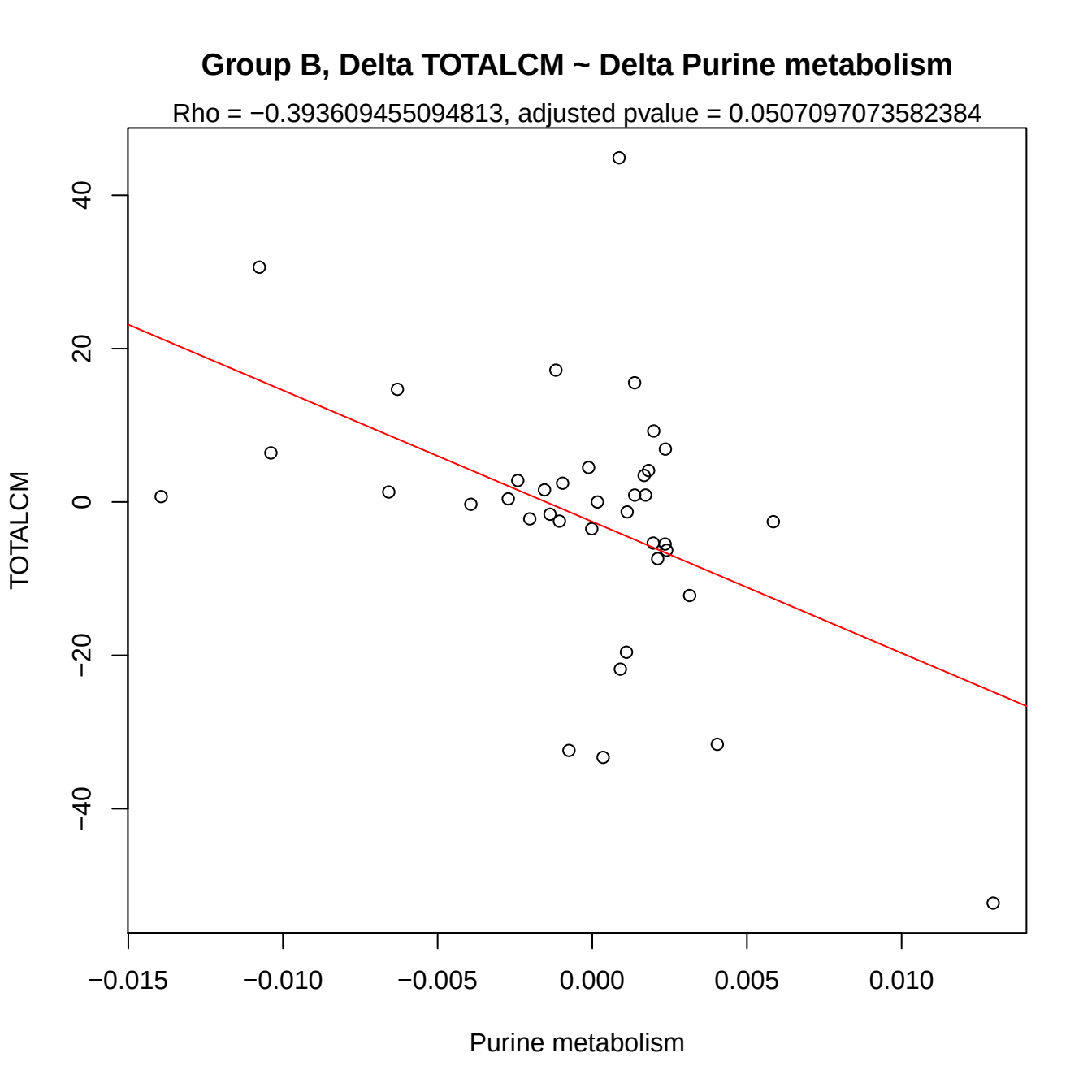

Group B, Delta TOTALCM ~ Delta Lipopolysaccharide biosynthesis protein
Rho = −0.497784100980345, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.03
−0.02
−0.01
0.00
0.01
0.02
Lipopolysaccharide biosynthesis proteins

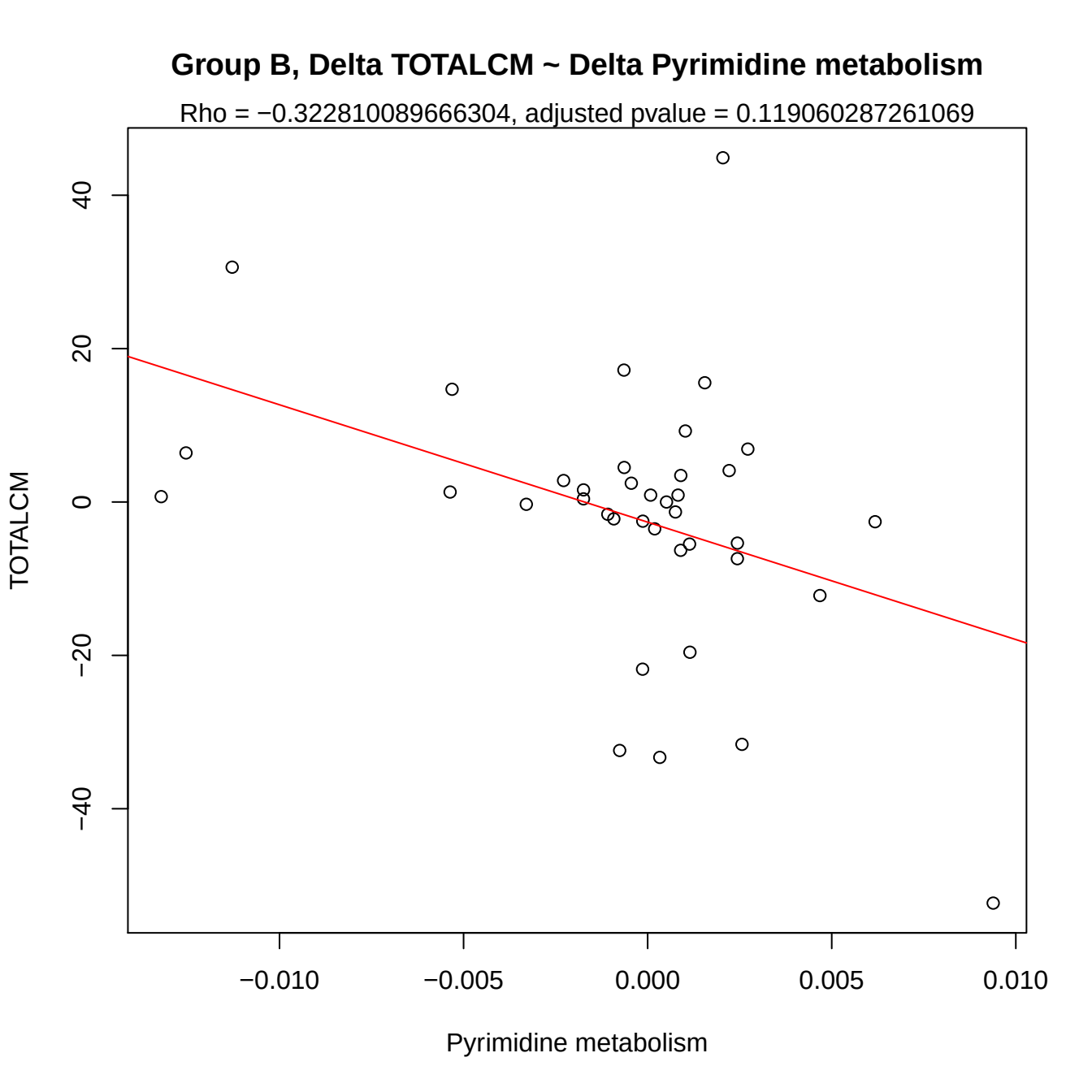

Group B, Delta TOTALCM ~ Delta Lysine biosynthesis
Rho = 0.56924002930309, adjusted pvalue = 0.00699702215825553
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Lysine biosynthesis

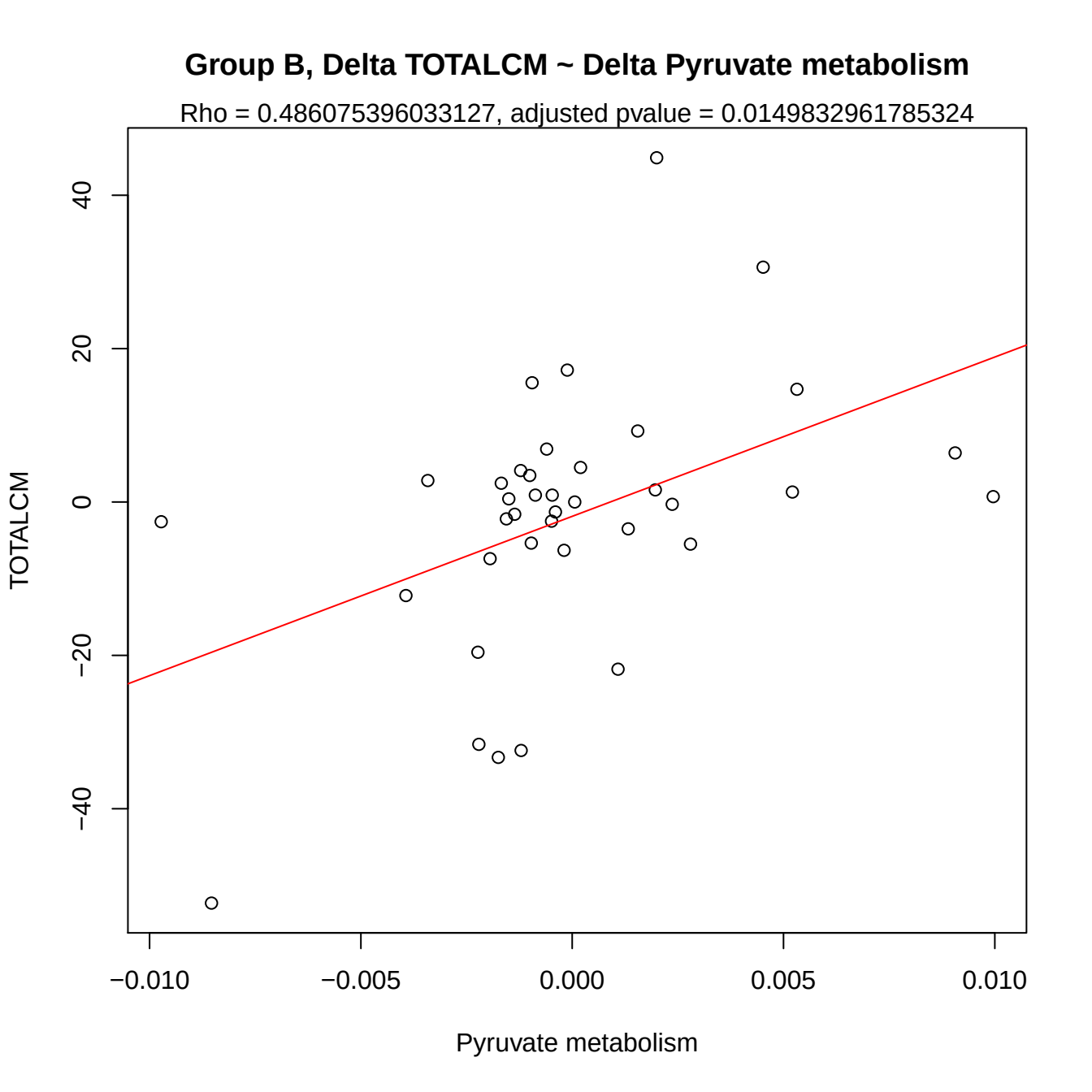

Group B, Delta TOTALCM ~ Delta N−Glycan biosynthesis
Rho = −0.482792581561944, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
N−Glycan biosynthesis

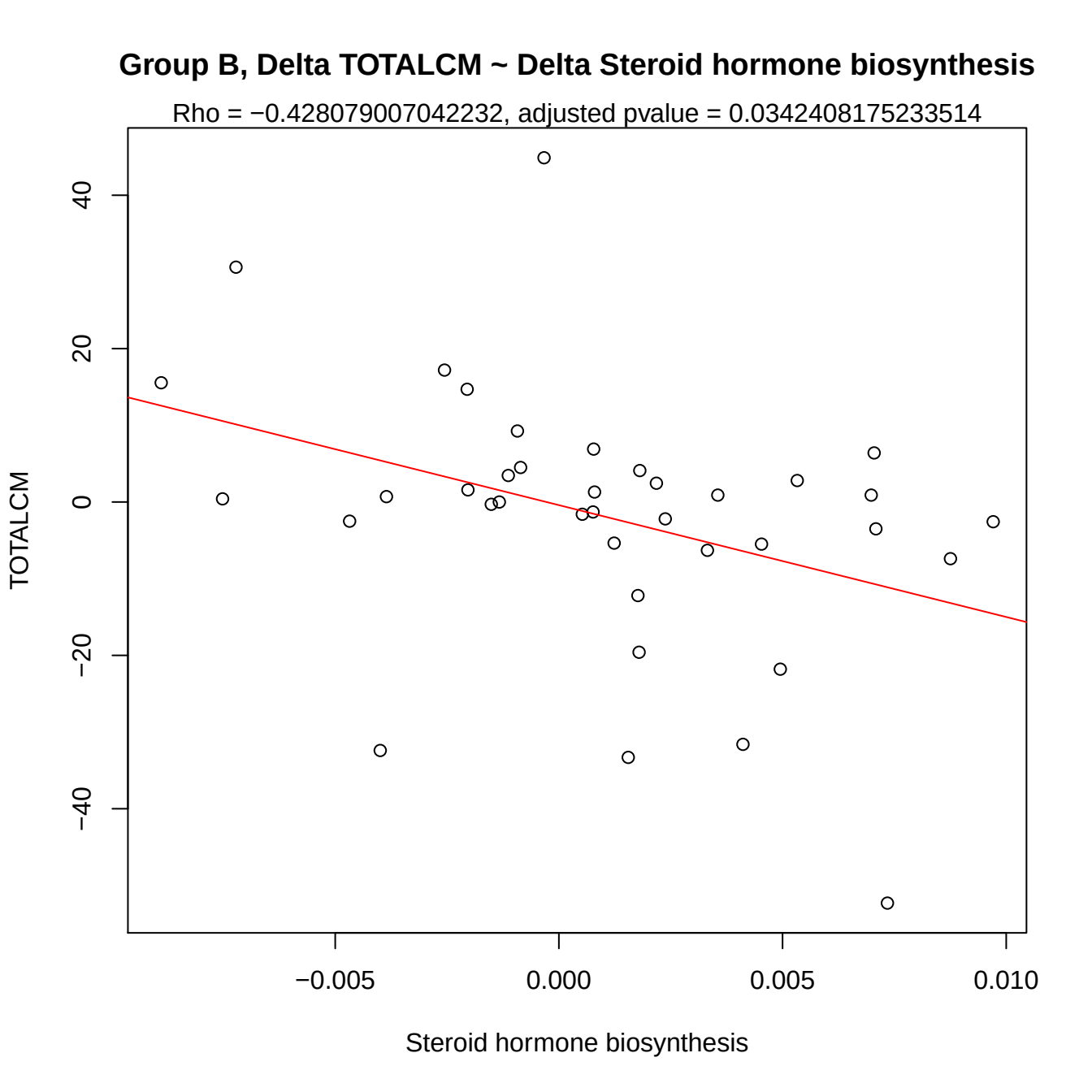

Group B, Delta TOTALCM ~ Delta Pentose phosphate pathway
Rho = 0.440663129181765, adjusted pvalue = 0.0314918166861228
TOTALCM
40
20
0
−20
−40
−0.005
0.000
0.005
Pentose phosphate pathway

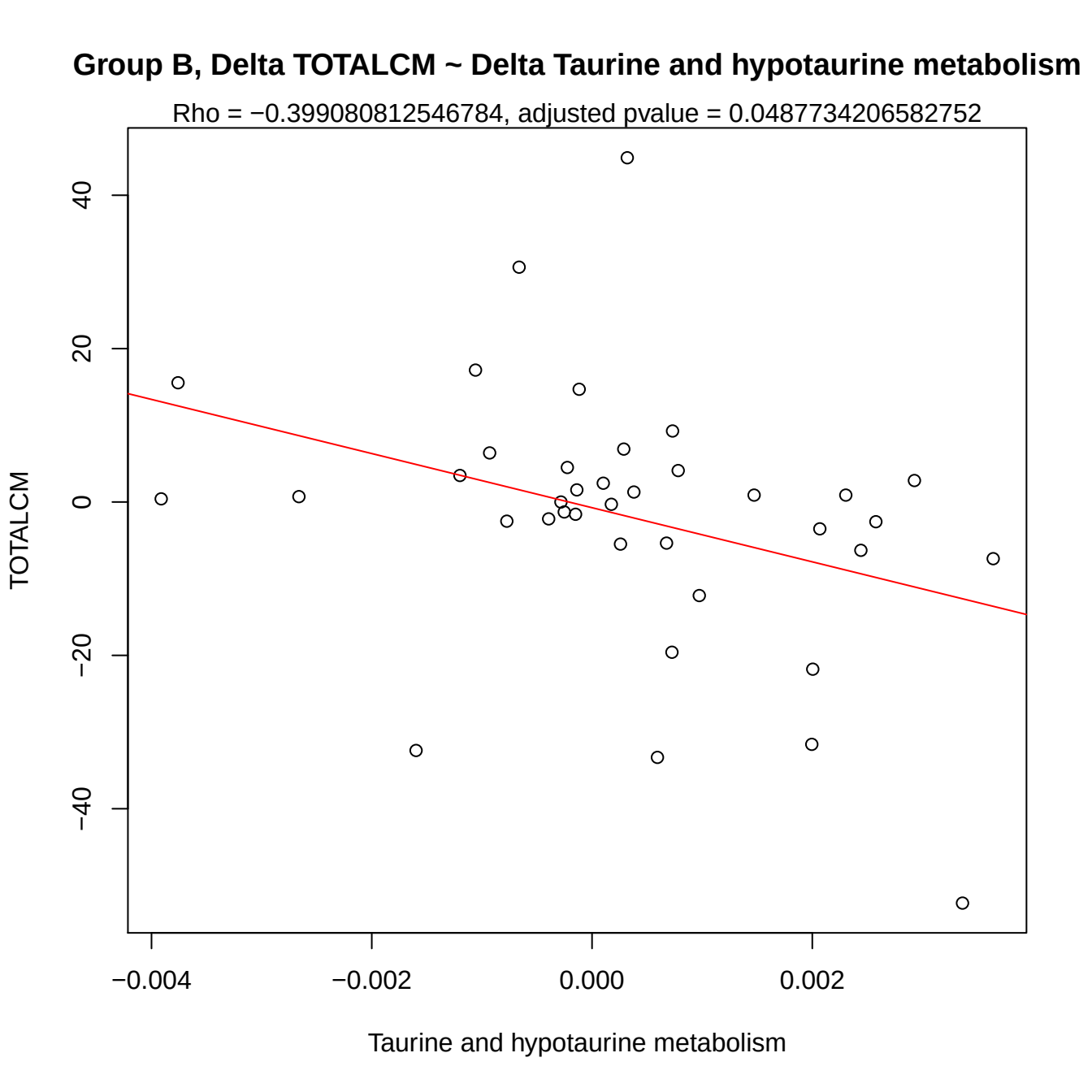

Group B, Delta TOTALCM ~ Delta Propanoate metabolism
Rho = 0.494282432211084, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Propanoate metabolism

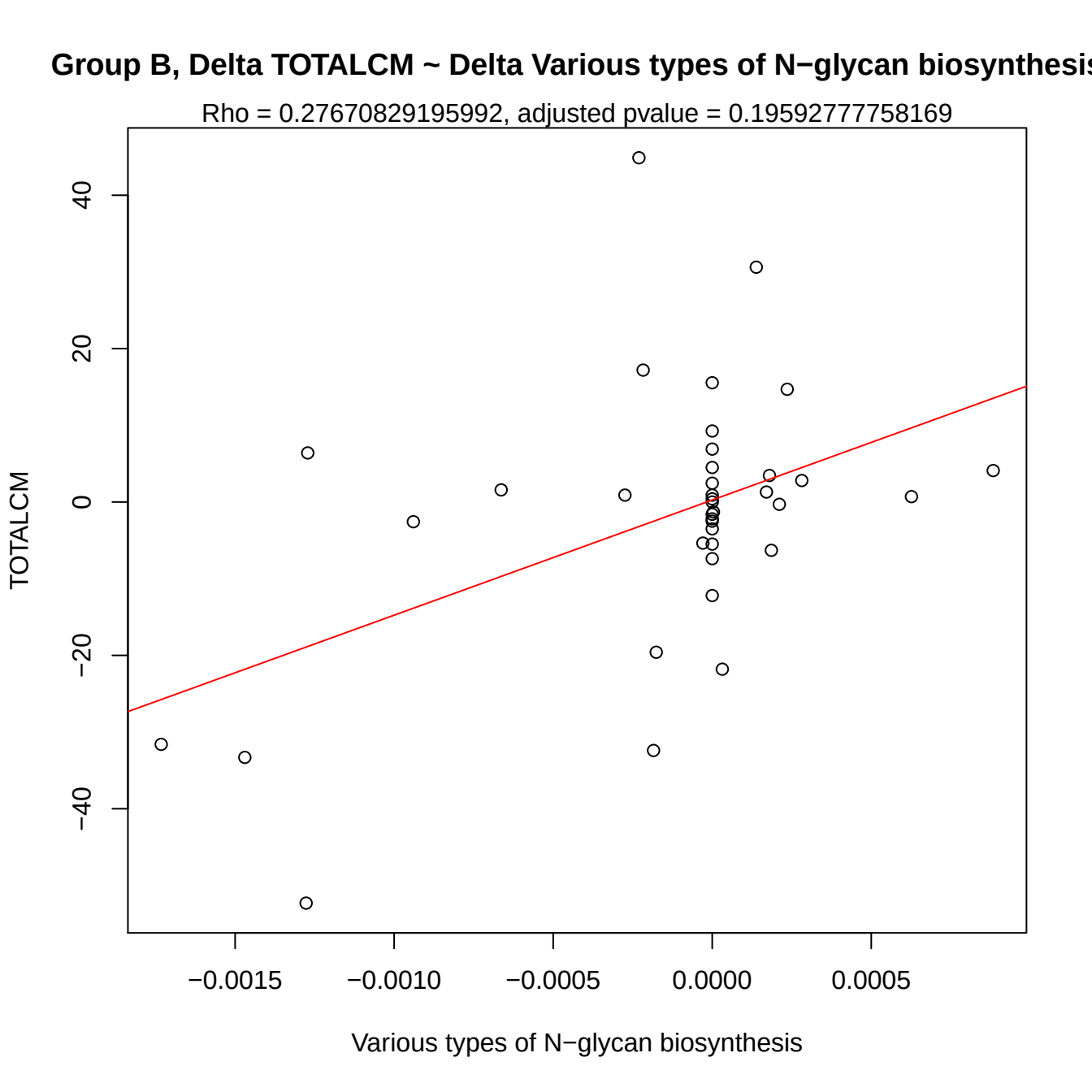

Group B, Delta TOTALCM ~ Delta Purine metabolism
Rho = −0.393609455094813, adjusted pvalue = 0.0507097073582384
TOTALCM
40
20
0
−20
−40
−0.015
−0.010
−0.005
0.000
0.005
0.010
Purine metabolism

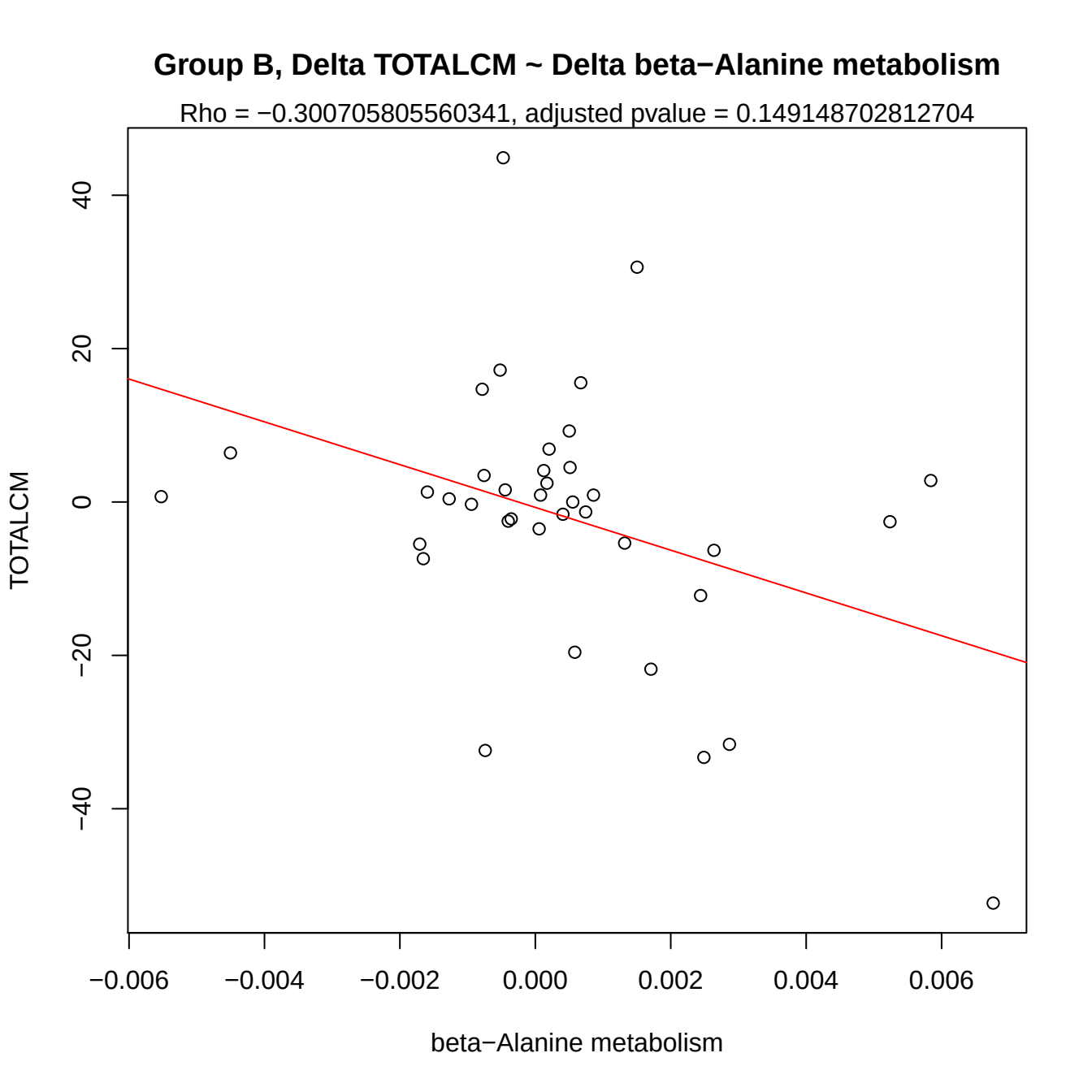

Group B, Delta TOTALCM ~ Delta Pyrimidine metabolism
Rho = −0.322810089666304, adjusted pvalue = 0.119060287261069
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
0.010
Pyrimidine metabolism

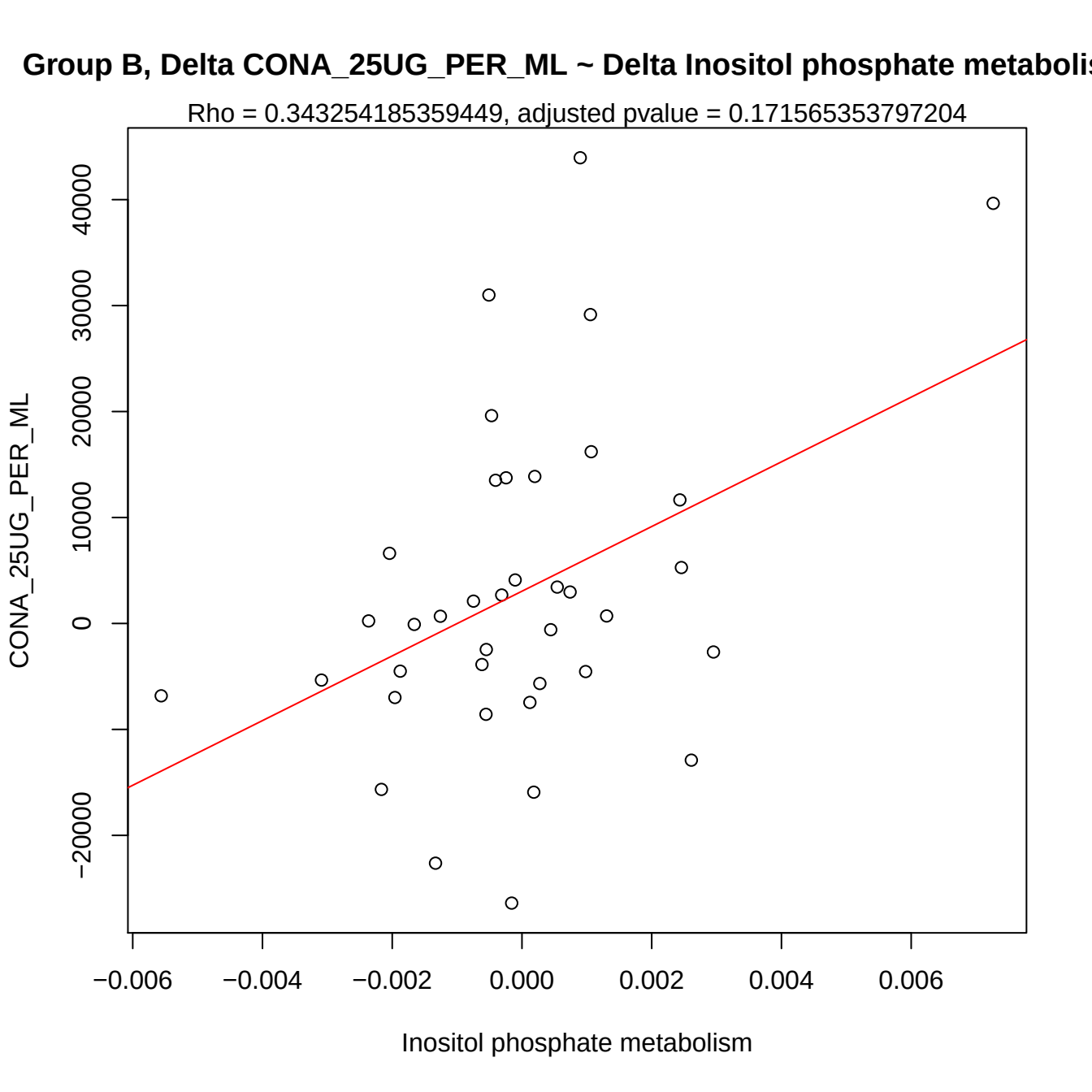

Group B, Delta TOTALCM ~ Delta Pyruvate metabolism
Rho = 0.486075396033127, adjusted pvalue = 0.0149832961785324
TOTALCM
40
20
0
−20
−40
−0.010
−0.005
0.000
0.005
0.010
Pyruvate metabolism

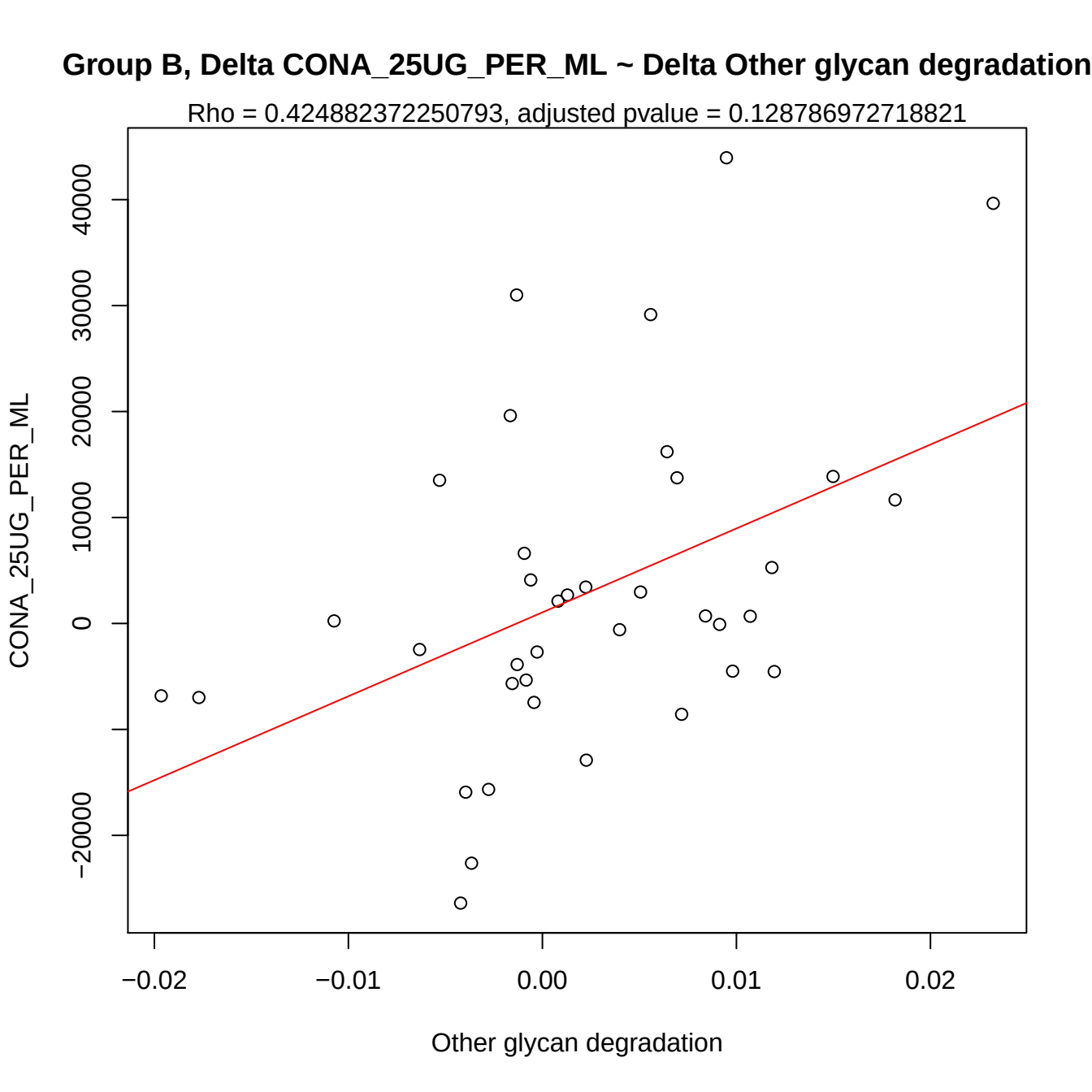

Group B, Delta TOTALCM ~ Delta Steroid hormone biosynthesis
Rho = −0.428079007042232, adjusted pvalue = 0.0342408175233514
TOTALCM
40
20
0
−20
−40
−0.005
0.000
0.005
0.010
Steroid hormone biosynthesis

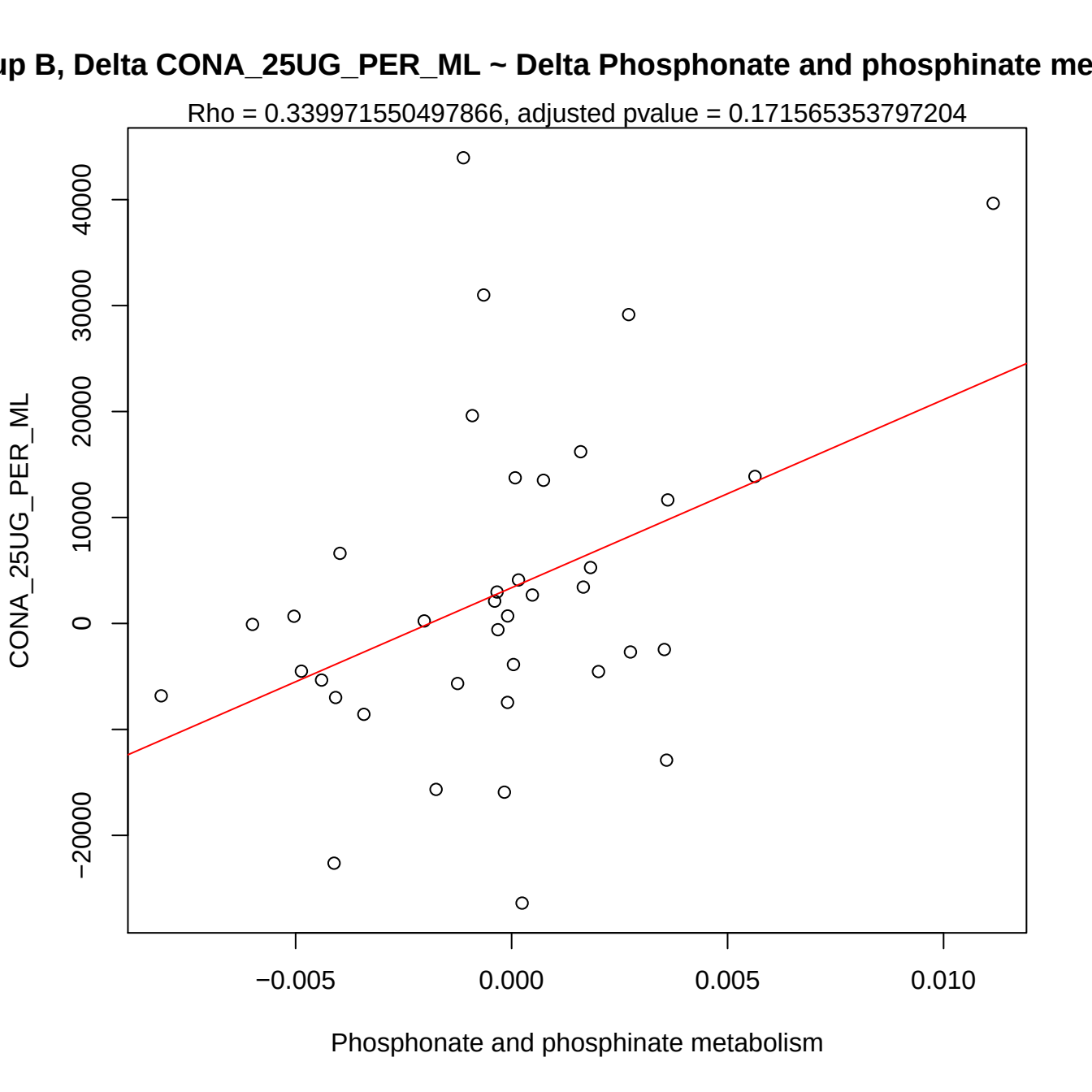

Group B, Delta TOTALCM ~ Delta Taurine and hypotaurine metabolism
Rho = −0.399080812546784, adjusted pvalue = 0.0487734206582752
TOTALCM
40
20
0
−20
−40
−0.004
−0.002
0.000
0.002
Taurine and hypotaurine metabolism

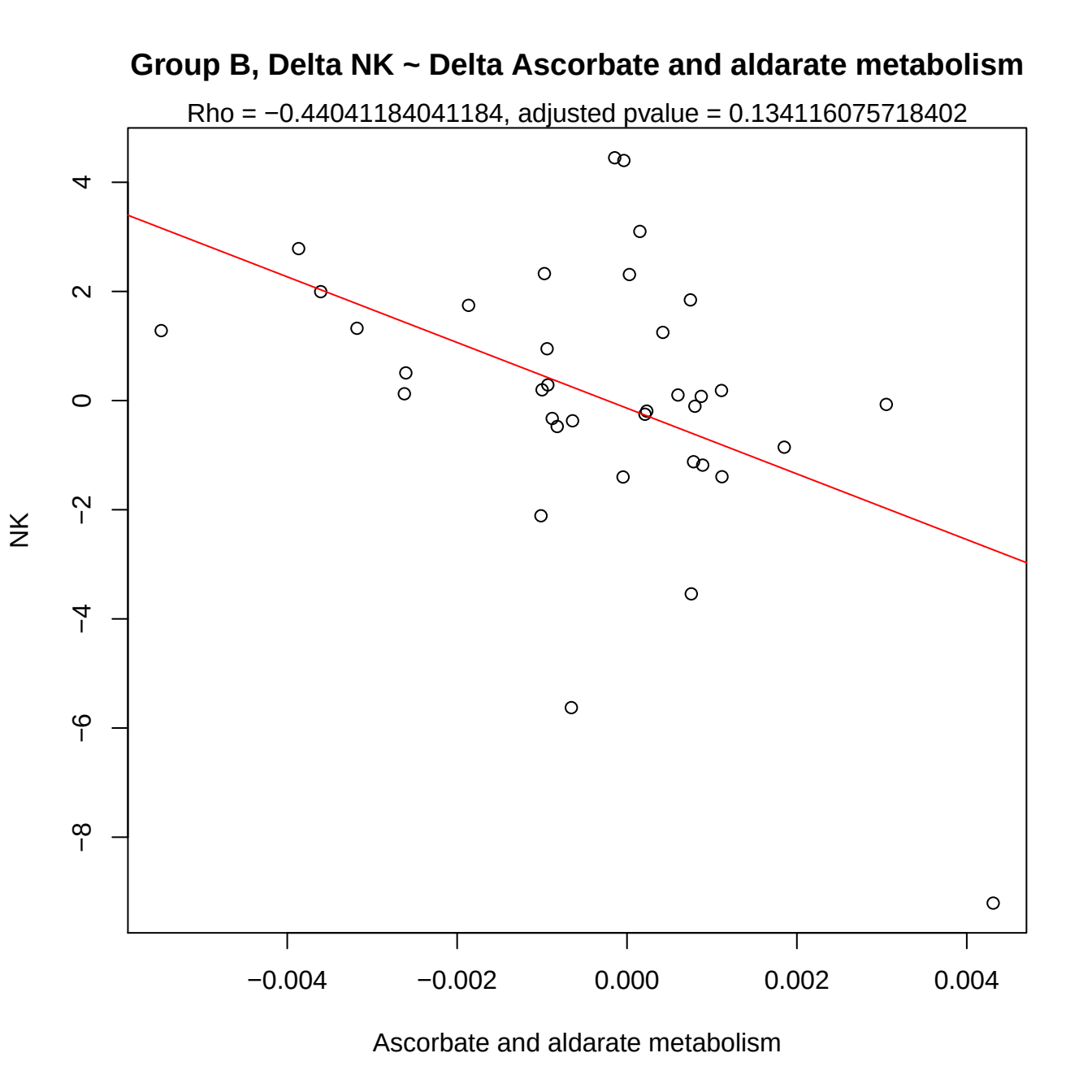

Group B, Delta TOTALCM ~ Delta Various types of N−glycan biosynthesis
Rho = 0.27670829195992, adjusted pvalue = 0.19592777758169
TOTALCM
40
20
0
−20
−40
−0.0015
−0.0010
−0.0005
0.0000
0.0005
Various types of N−glycan biosynthesis

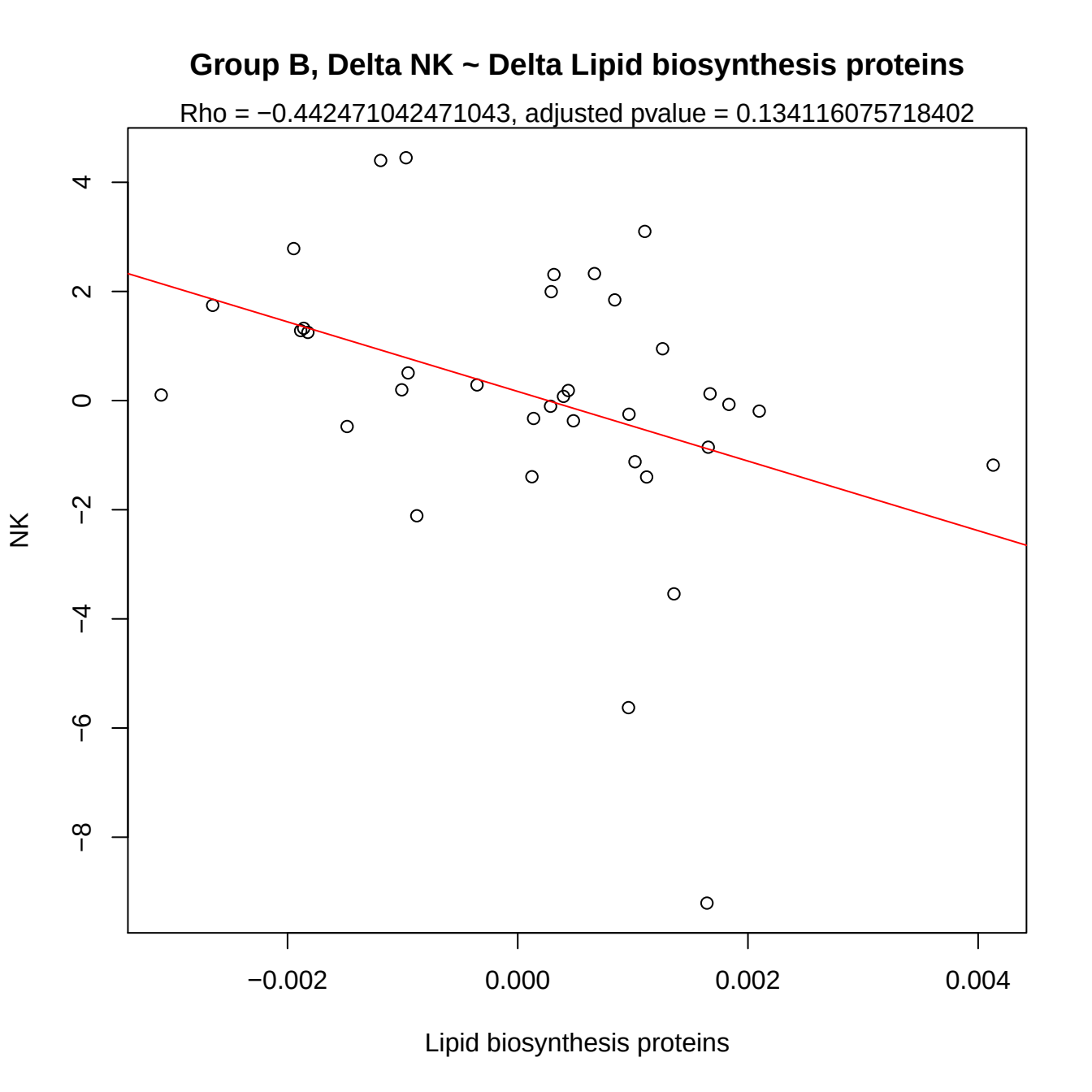

Group B, Delta TOTALCM ~ Delta beta−Alanine metabolism
Rho = −0.300705805560341, adjusted pvalue = 0.149148702812704
TOTALCM
40
20
0
−20
−40
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
beta−Alanine metabolism

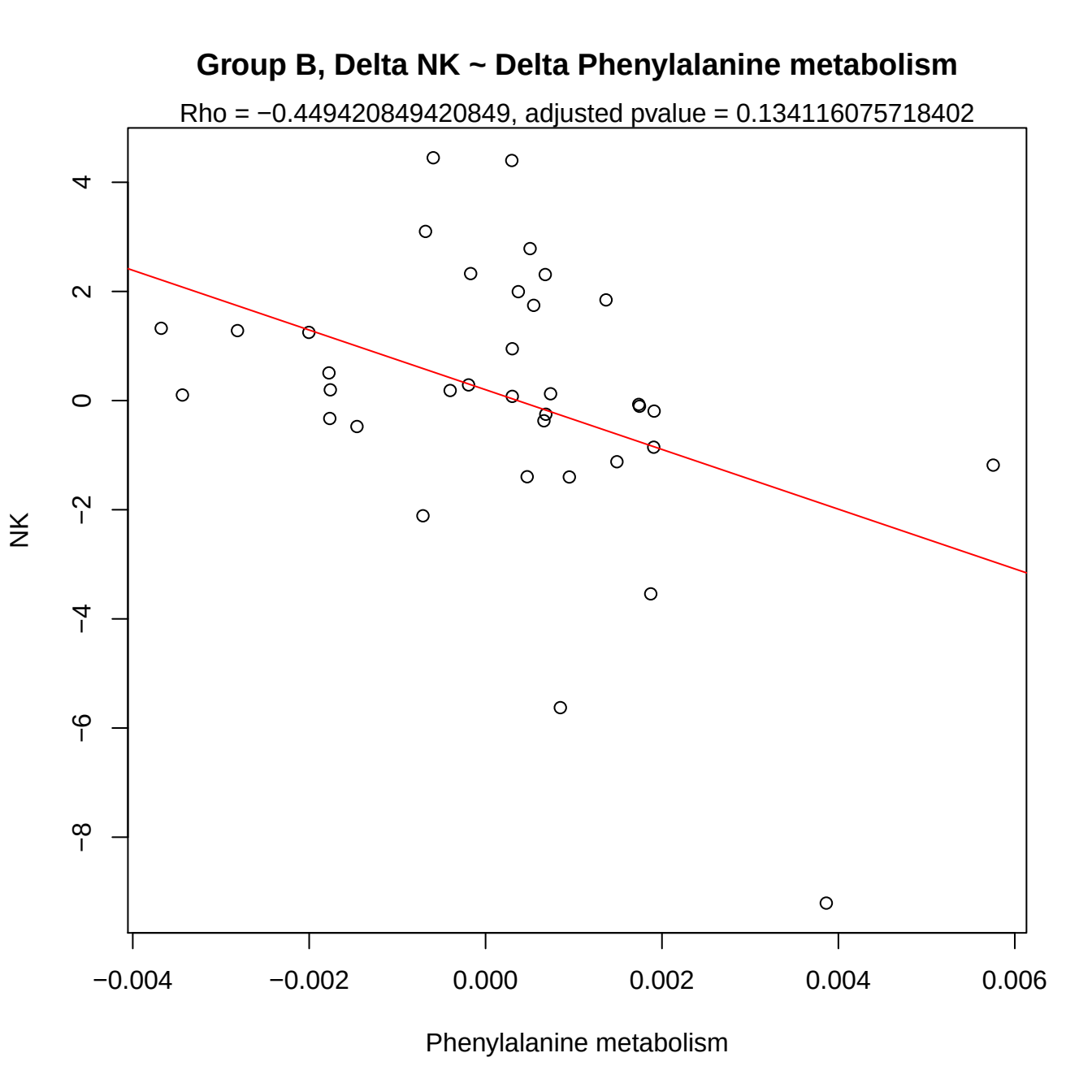

Group B, Delta CONA_25UG_PER_ML ~ Delta Inositol phosphate metaboli
Rho = 0.343254185359449, adjusted pvalue = 0.171565353797204
CONA_25UG_PER_ML
40000
30000
20000
10000
0
−20000
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Inositol phosphate metabolism

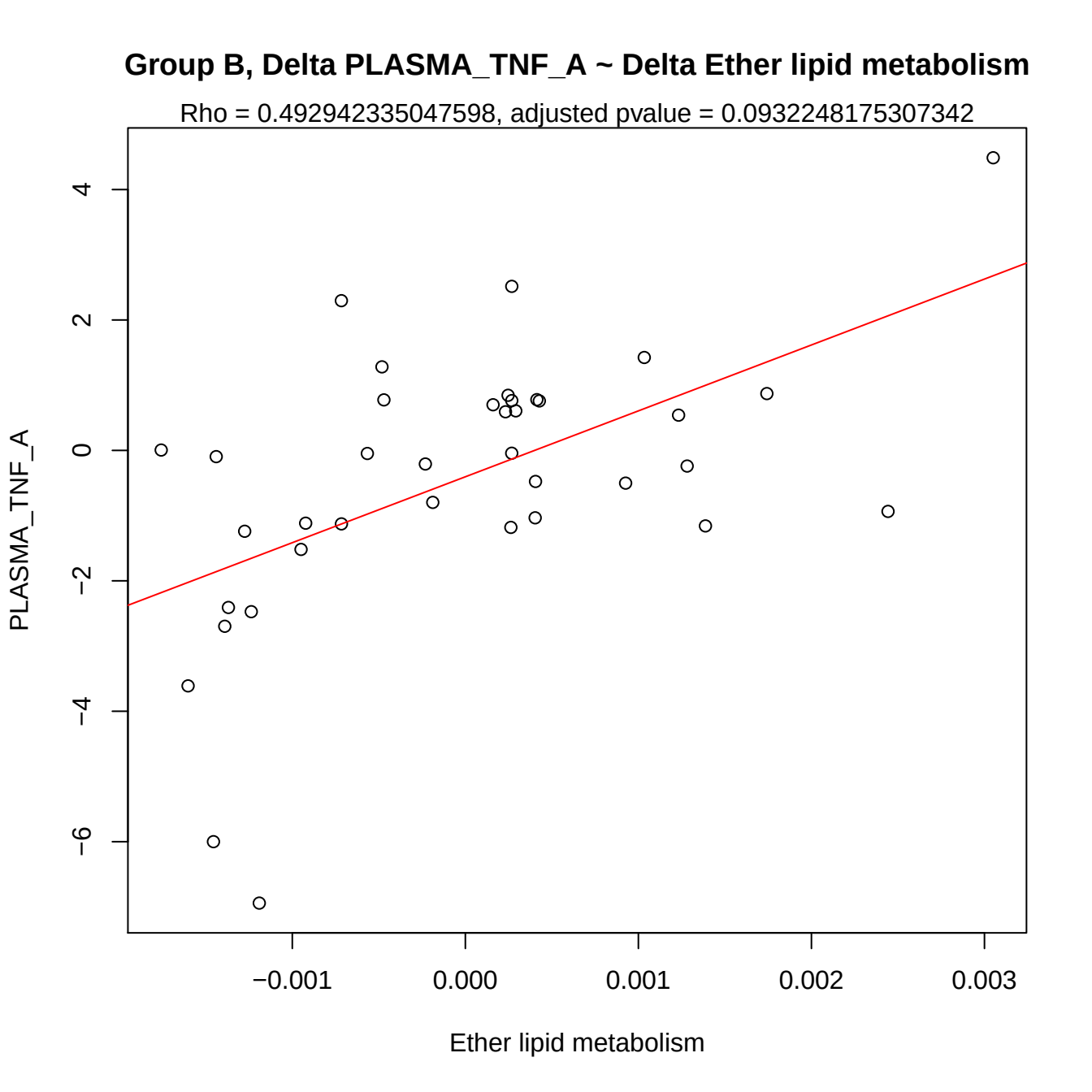

Group B, Delta CONA_25UG_PER_ML ~ Delta Other glycan degradation
Rho = 0.424882372250793, adjusted pvalue = 0.128786972718821
CONA_25UG_PER_ML
40000
30000
20000
10000
0
−20000
−0.02
−0.01
0.00
0.01
0.02
Other glycan degradation

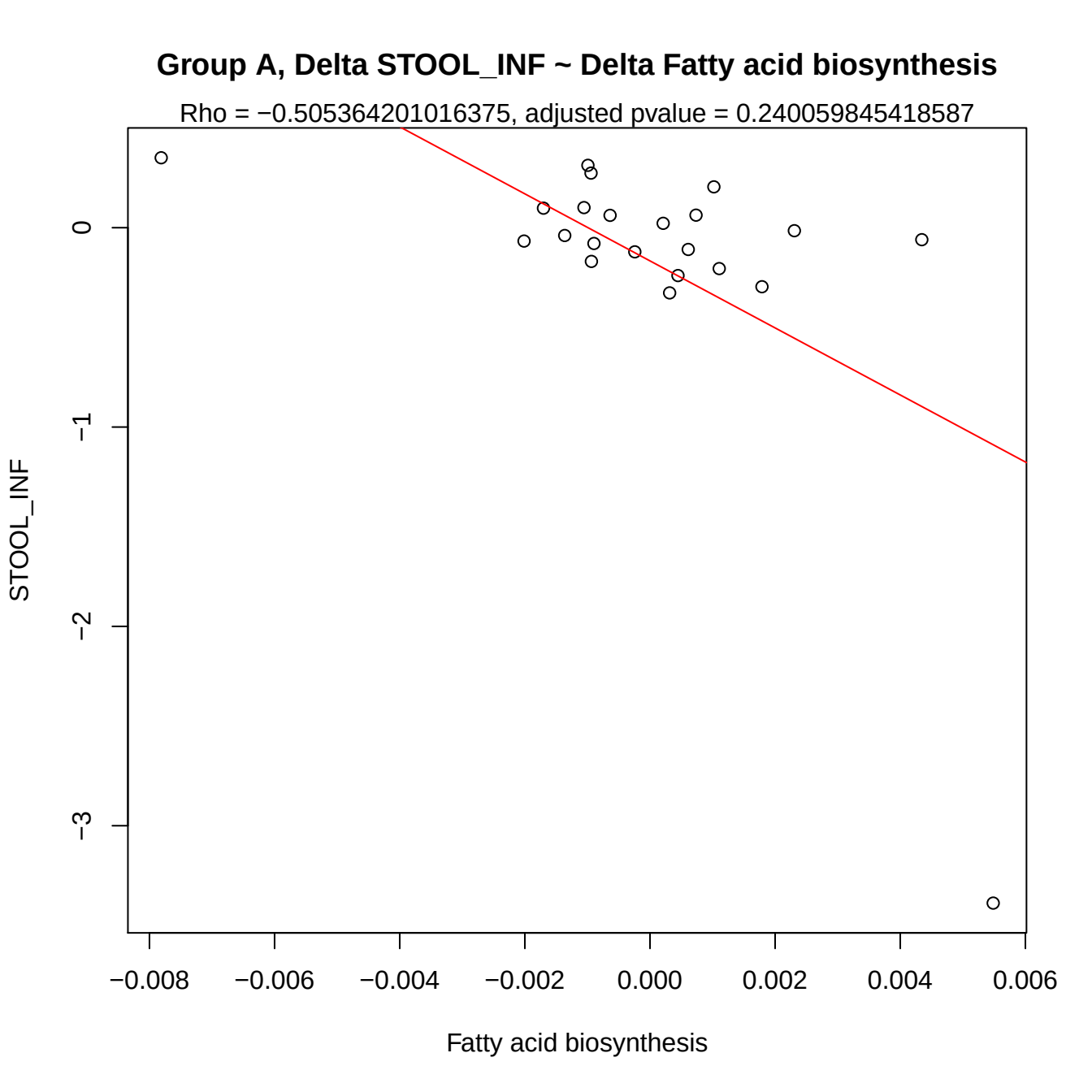

up B, Delta CONA_25UG_PER_ML ~ Delta Phosphonate and phosphinate me
Rho = 0.339971550497866, adjusted pvalue = 0.171565353797204
CONA_25UG_PER_ML
40000
30000
20000
10000
0
−20000
−0.005
0.000
0.005
0.010
Phosphonate and phosphinate metabolism

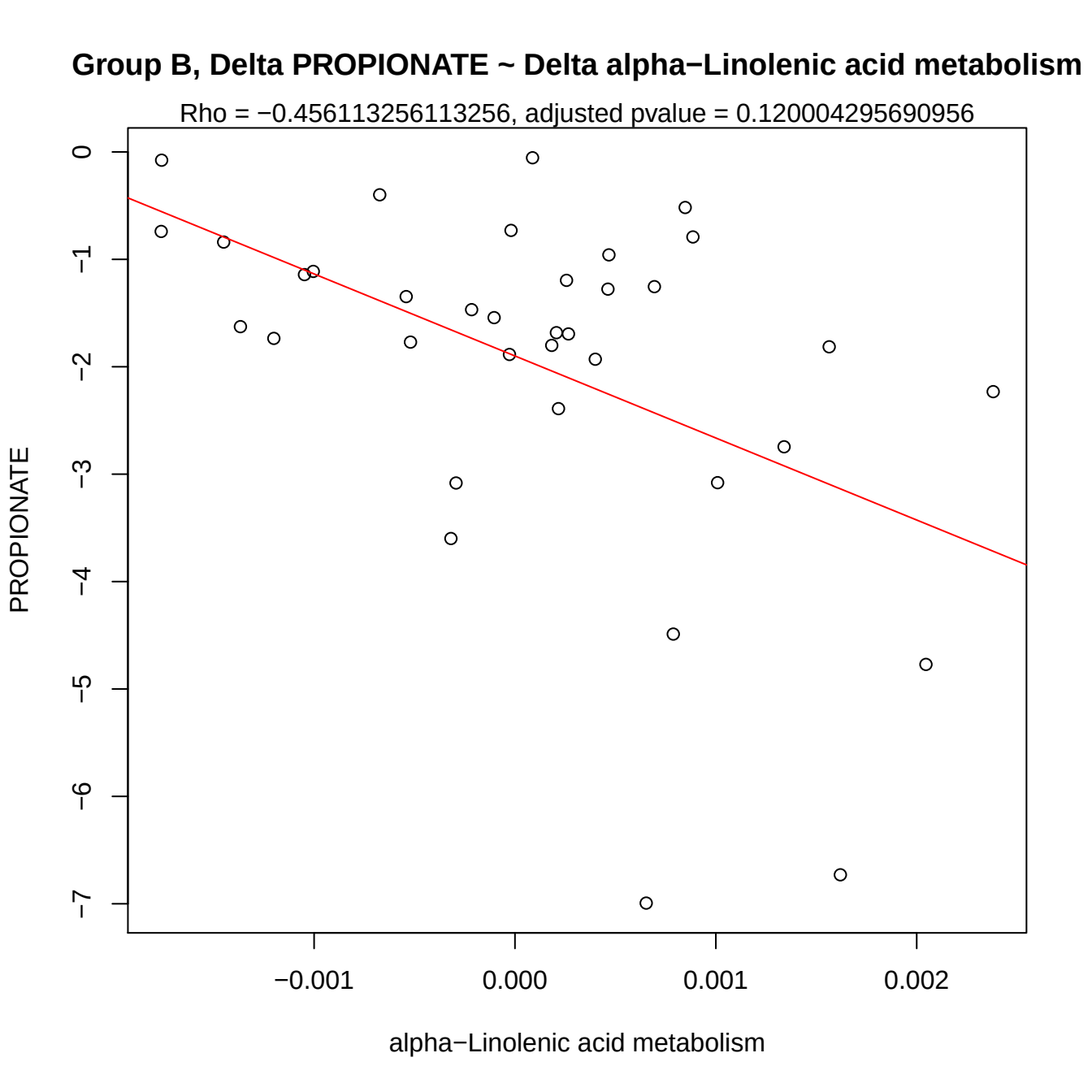

Group B, Delta NK ~ Delta Ascorbate and aldarate metabolism
Rho = −0.44041184041184, adjusted pvalue = 0.134116075718402
NK
4
2
0
−2
−4
−6
−8
−0.004
−0.002
0.000
0.002
0.004
Ascorbate and aldarate metabolism


Group B, Delta NK ~ Delta Lipid biosynthesis proteins
Rho = −0.442471042471043, adjusted pvalue = 0.134116075718402
NK
4
2
0
−2
−4
−6
−8
−0.002
0.000
0.002
0.004
Lipid biosynthesis proteins


Group B, Delta NK ~ Delta Phenylalanine metabolism
Rho = −0.449420849420849, adjusted pvalue = 0.134116075718402
NK
4
2
0
−2
−4
−6
−8
−0.004
−0.002
0.000
0.002
0.004
0.006
Phenylalanine metabolism


Group B, Delta PLASMA_TNF_A ~ Delta Ether lipid metabolism
Rho = 0.492942335047598, adjusted pvalue = 0.0932248175307342
PLASMA_TNF_A
4
2
0
−2
−4
−6
−0.001
0.000
0.001
0.002
0.003
Ether lipid metabolism


Group A, Delta STOOL_INF ~ Delta Fatty acid biosynthesis
Rho = −0.505364201016375, adjusted pvalue = 0.240059845418587
STOOL_INF
0
−1
−2
−3
−0.008
−0.006
−0.004
−0.002
0.000
0.002
0.004
0.006
Fatty acid biosynthesis


Group B, Delta PROPIONATE ~ Delta alpha−Linolenic acid metabolism
Rho = −0.456113256113256, adjusted pvalue = 0.120004295690956
PROPIONATE
0
−1
−2
−3
−4
−5
−6
−7
−0.001
0.000
0.001
0.002
alpha−Linolenic acid metabolism