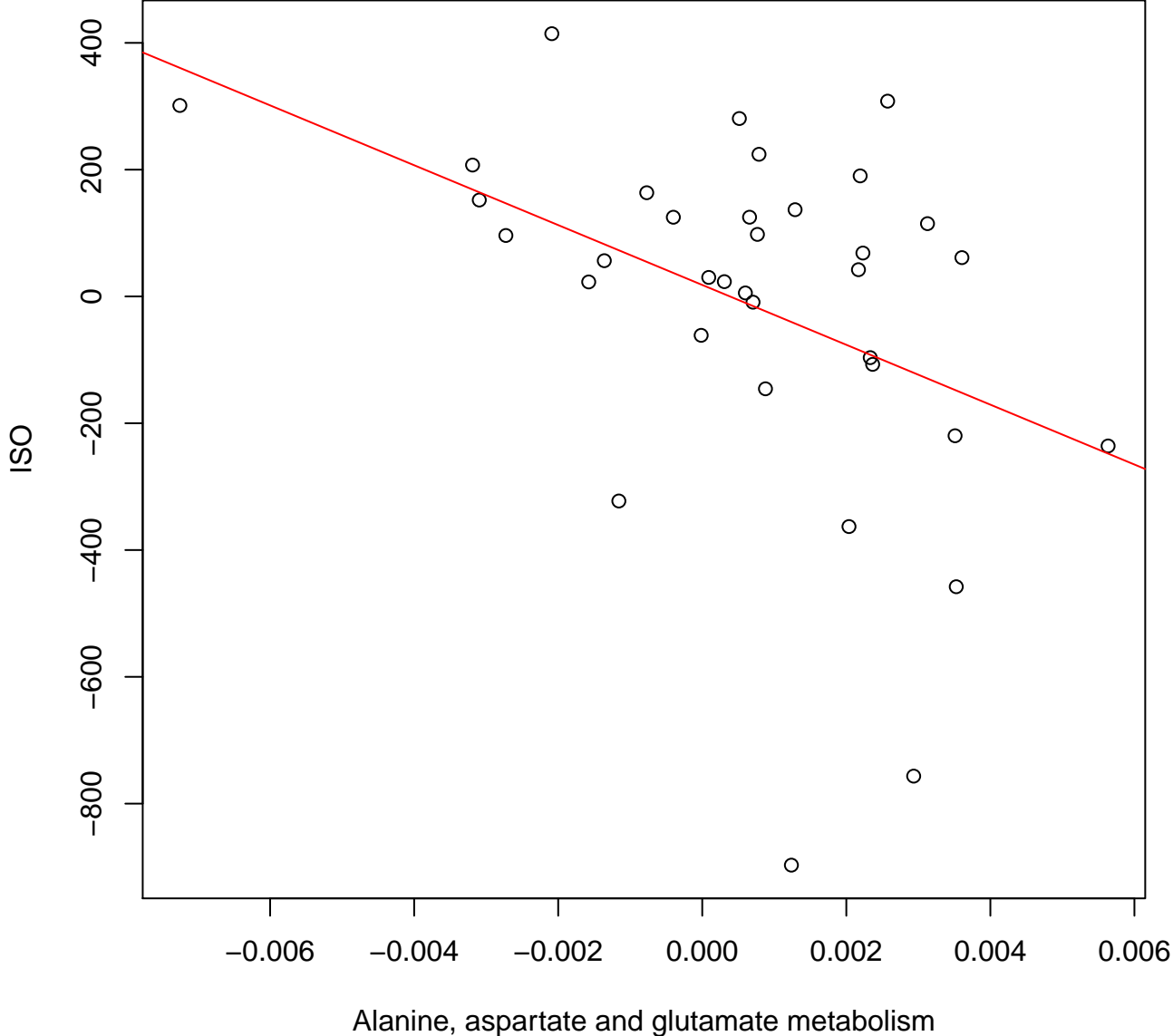


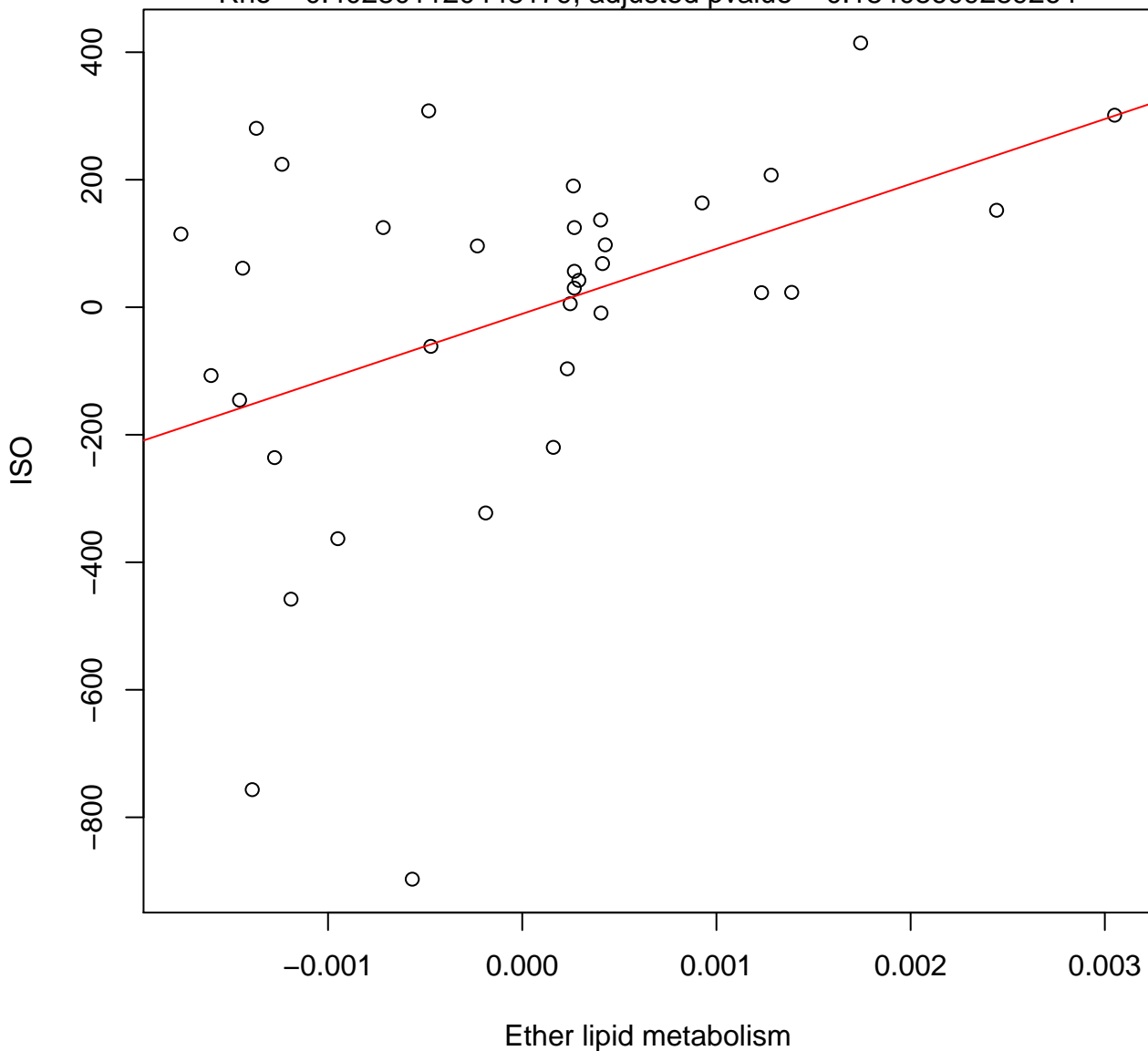
**Group B, Delta ISO ~ Delta Alanine, aspartate and glutamate metabolism**

Rho = -0.410924369747899, adjusted pvalue = 0.18408609289264



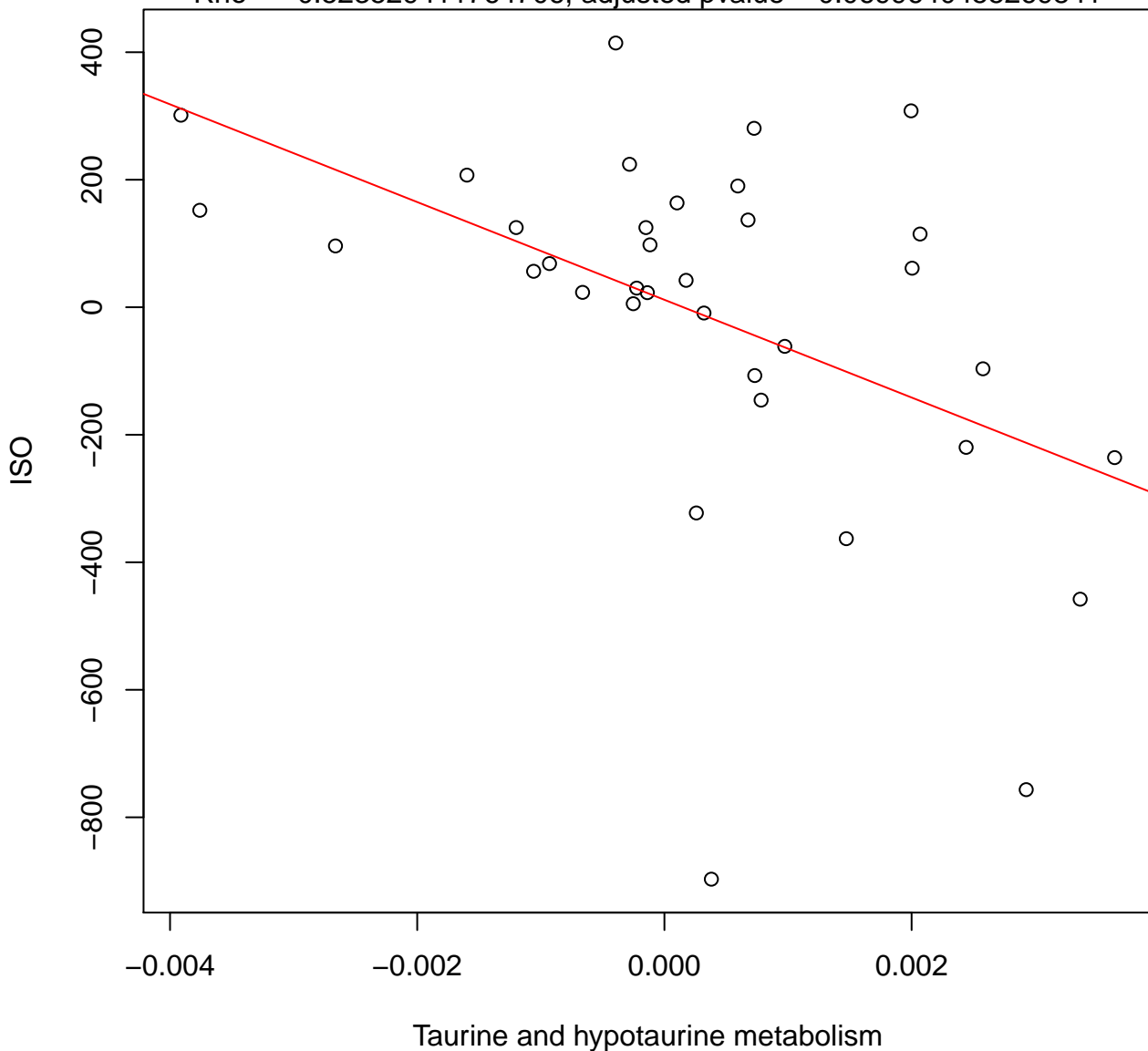
# Group B, Delta ISO ~ Delta Ether lipid metabolism

Rho = 0.402801120448179, adjusted pvalue = 0.18408609289264



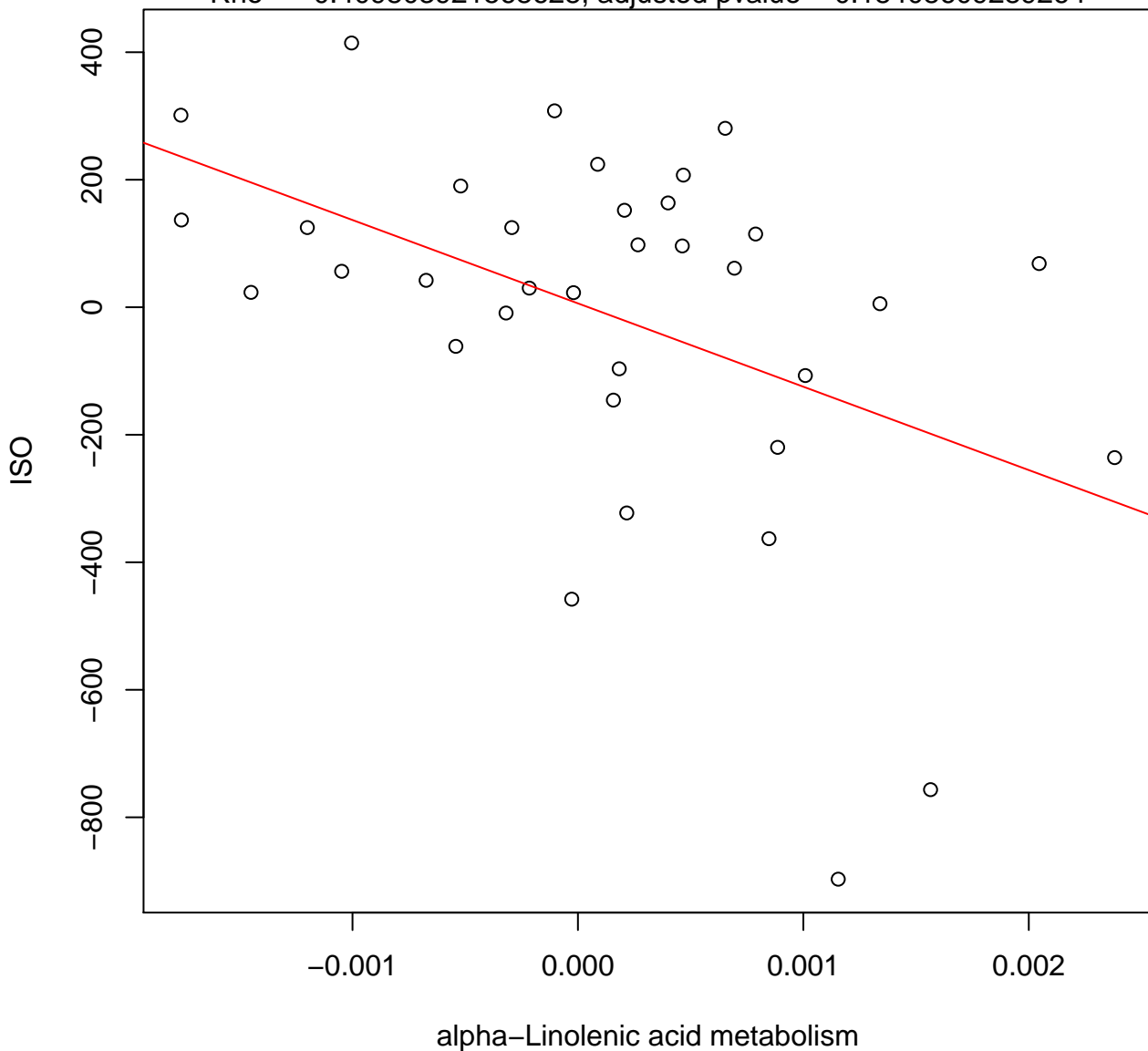
# Group B, Delta ISO ~ Delta Taurine and hypotaurine metabolism

Rho =  $-0.523529411764706$ , adjusted pvalue =  $0.0699640455269841$



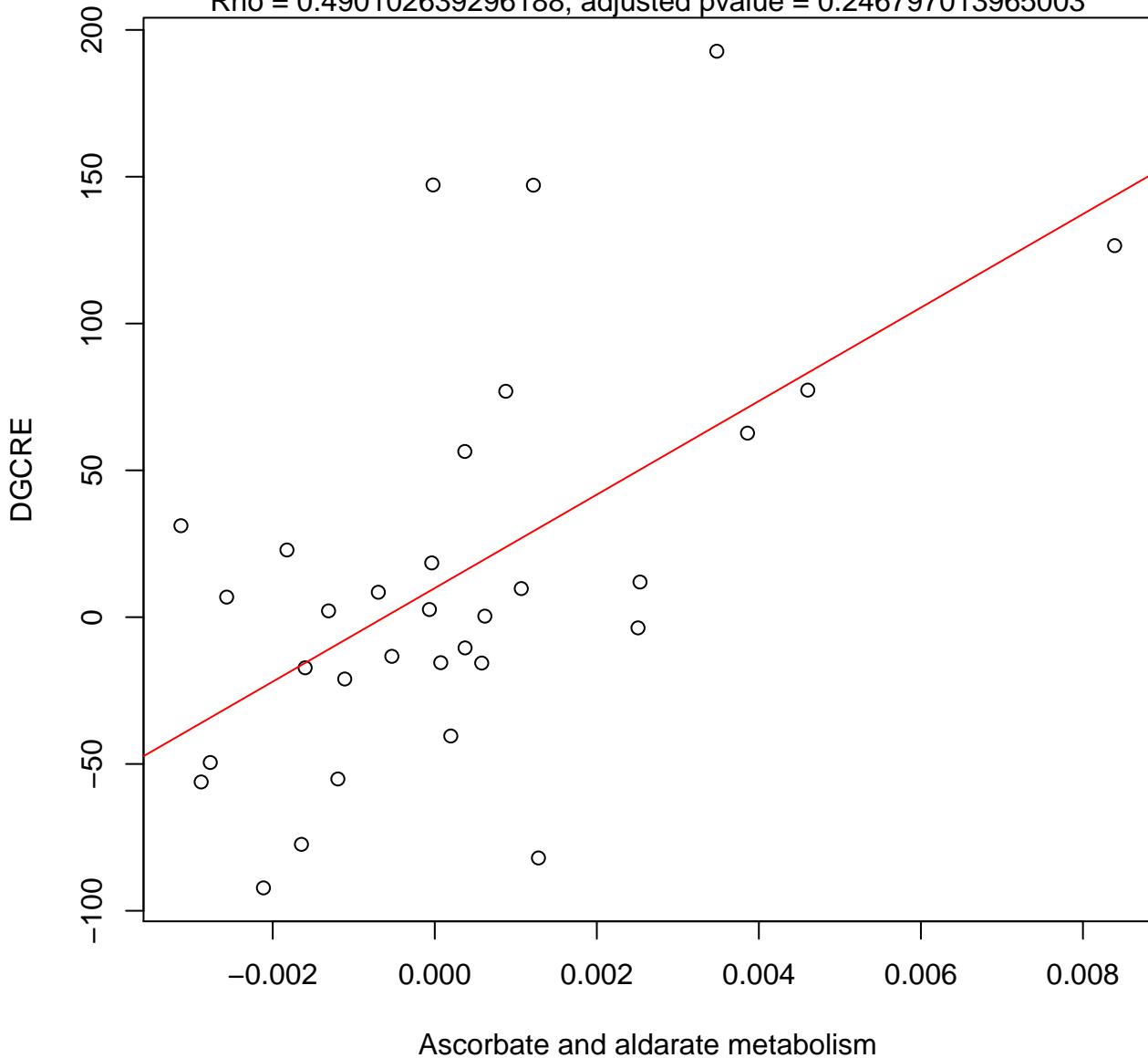
# Group B, Delta ISO ~ Delta alpha-Linolenic acid metabolism

Rho =  $-0.409803921568628$ , adjusted pvalue =  $0.18408609289264$



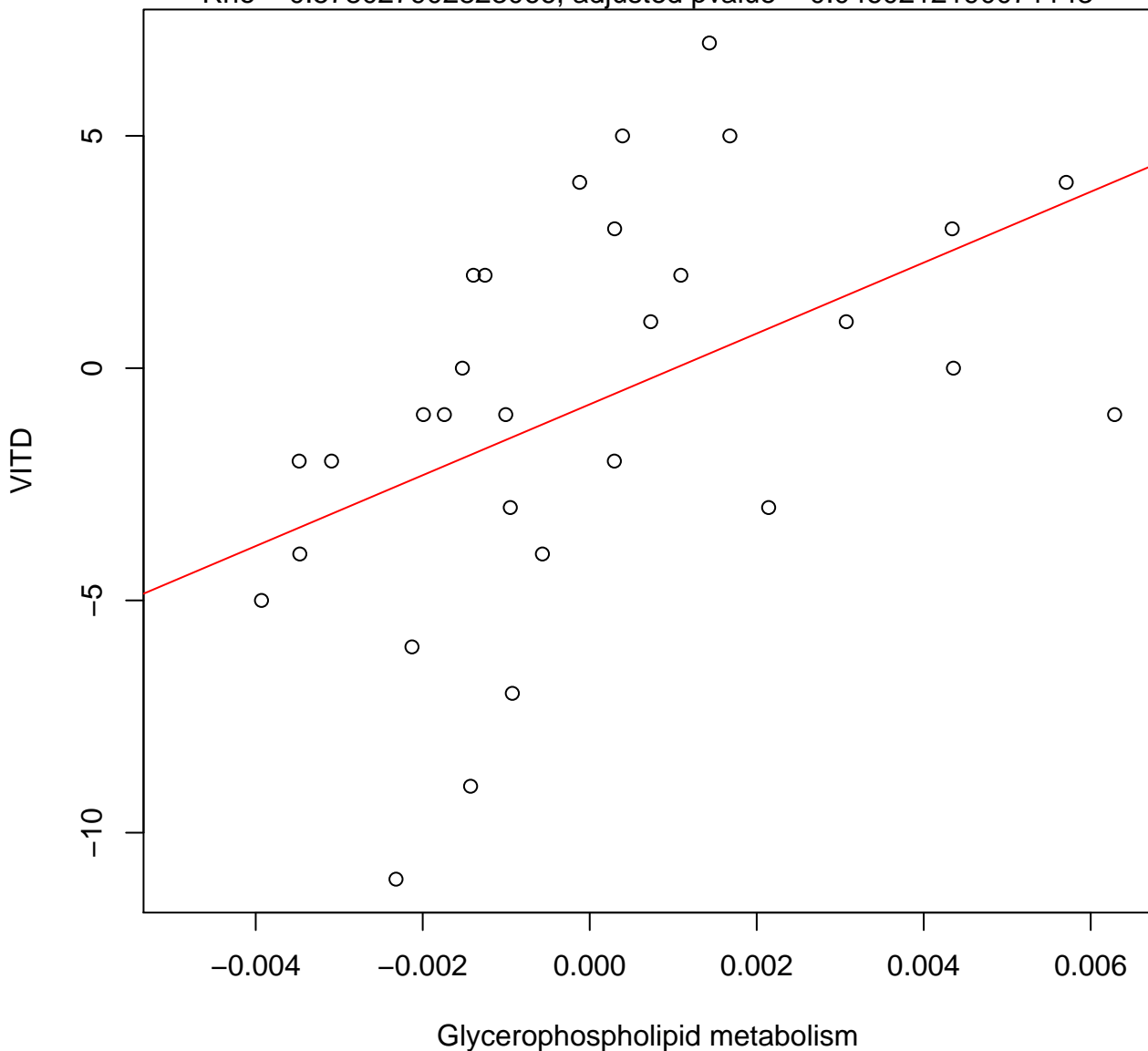
# Group A, Delta DGCRC ~ Delta Ascorbate and aldarate metabolism

Rho = 0.490102639296188, adjusted pvalue = 0.246797013965003



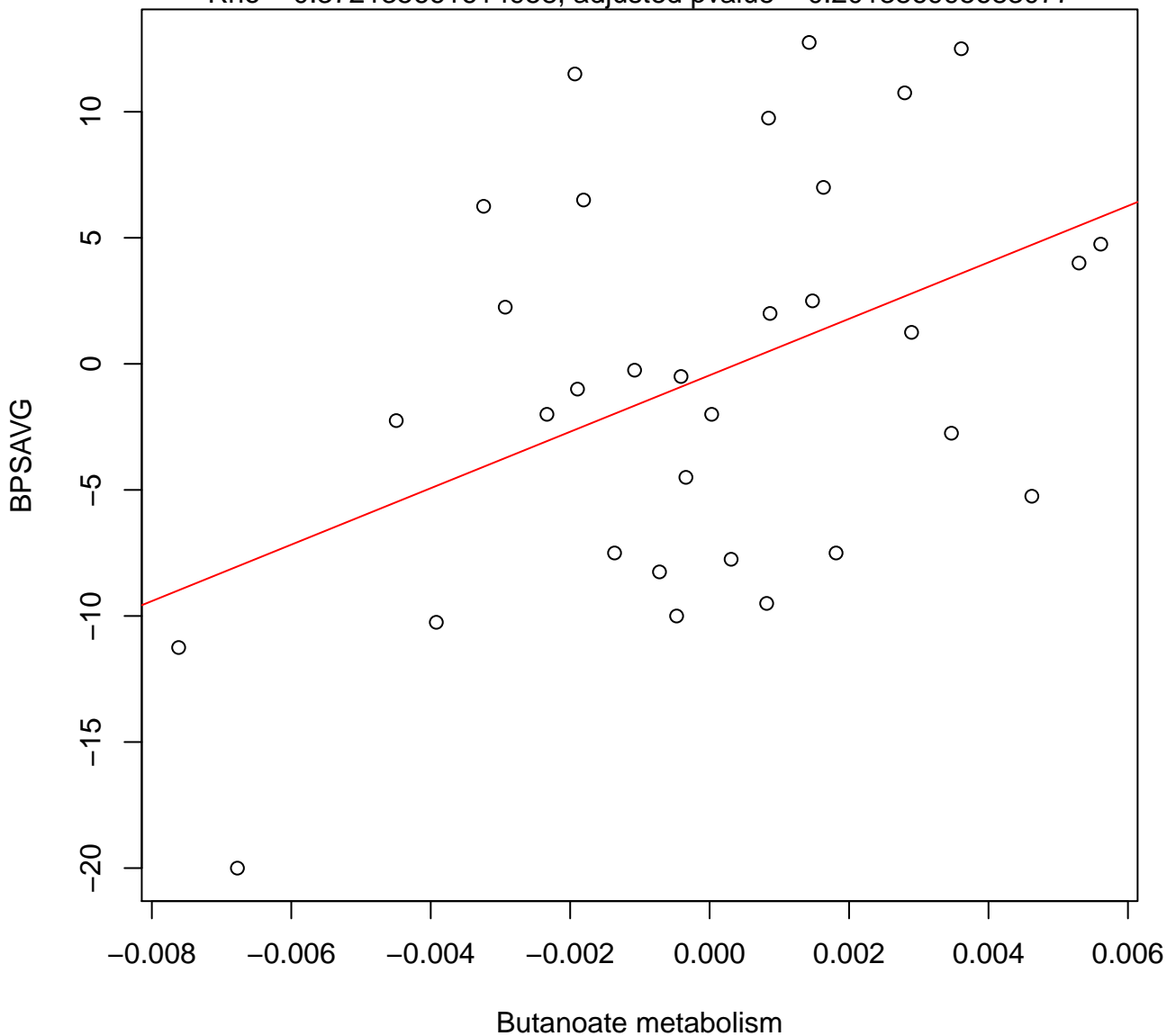
# Group A, Delta VITD ~ Delta Glycerophospholipid metabolism

Rho = 0.578027902823066, adjusted pvalue = 0.0460212190071143



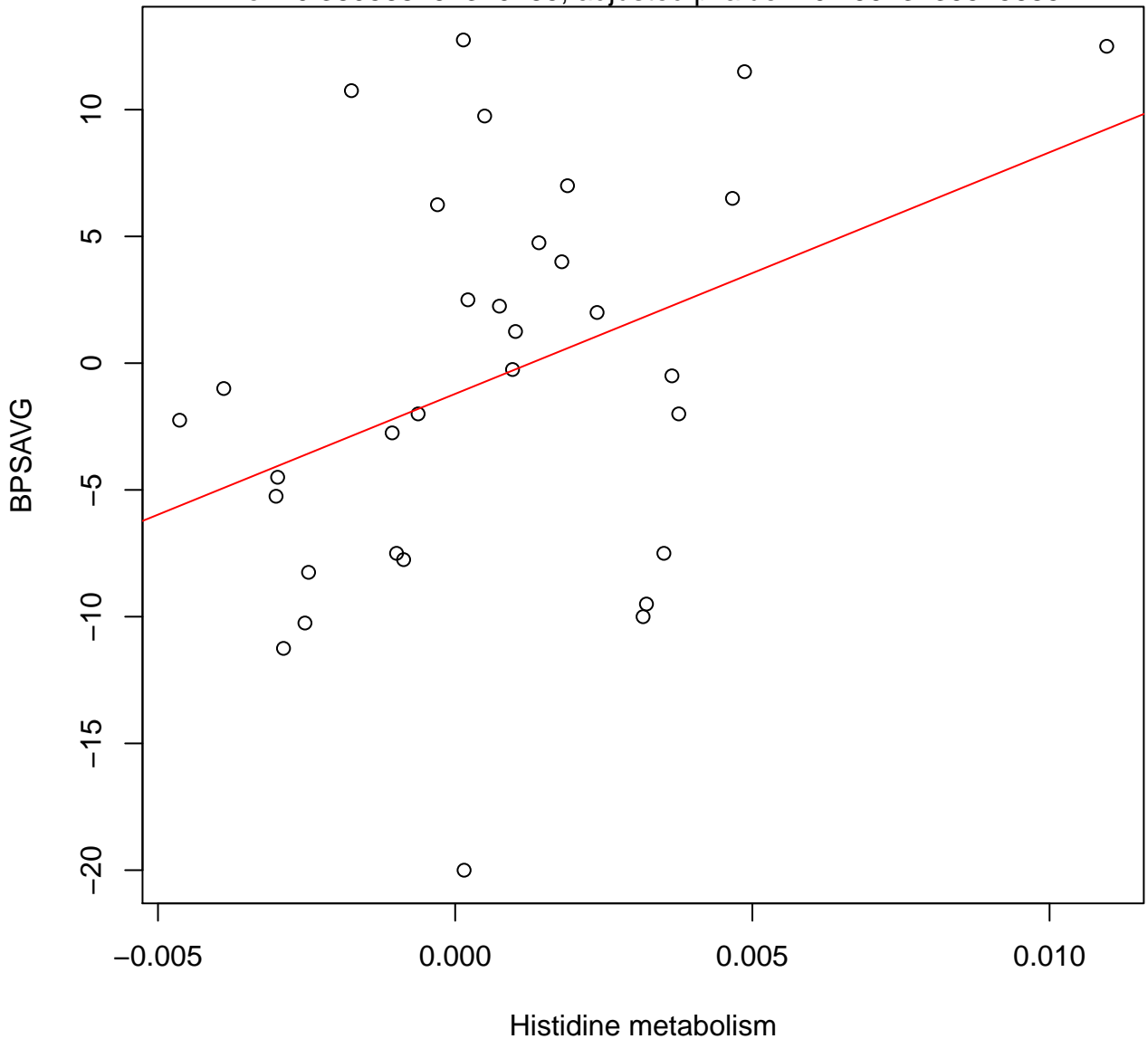
# Group A, Delta BPSAVG ~ Delta Butanoate metabolism

Rho = 0.372135661614958, adjusted pvalue = 0.201386995683077



# Group A, Delta BPSAVG ~ Delta Histidine metabolism

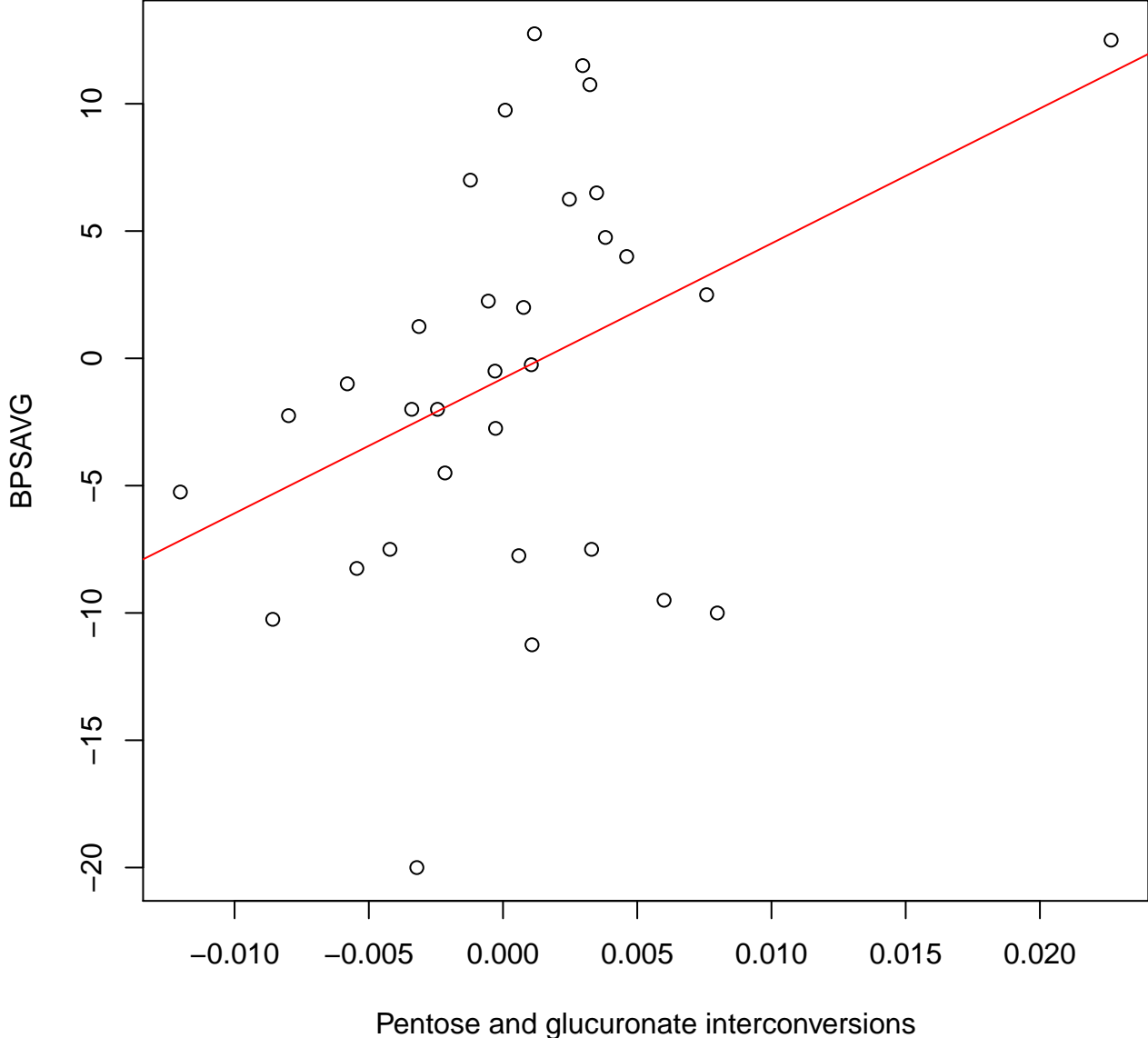
Rho = 0.380568292370765, adjusted pvalue = 0.199734395156852





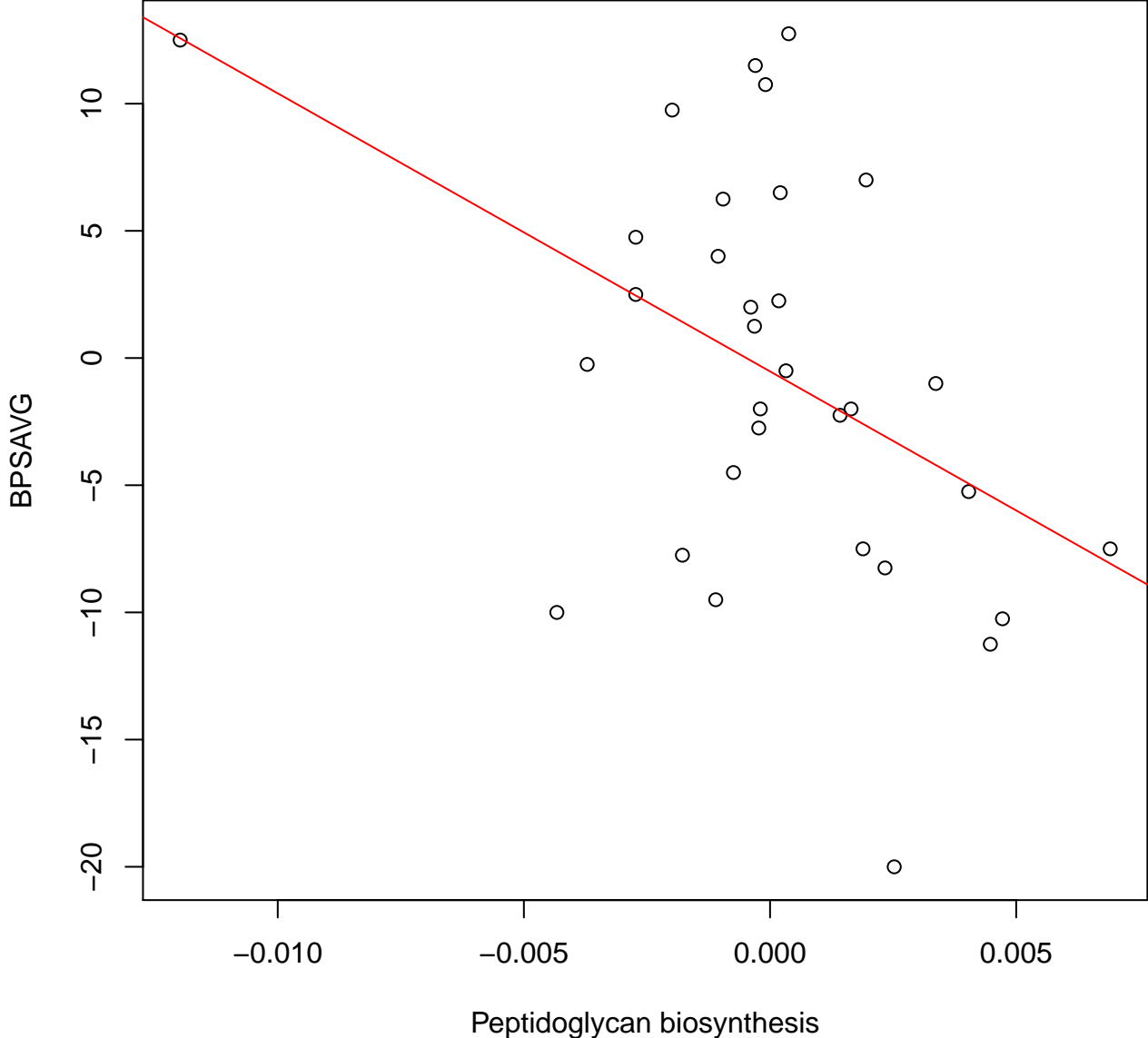
Group A, Delta BPSAVG ~ Delta Pentose and glucuronate interconversion

Rho = 0.391567375965295, adjusted pvalue = 0.199734395156852



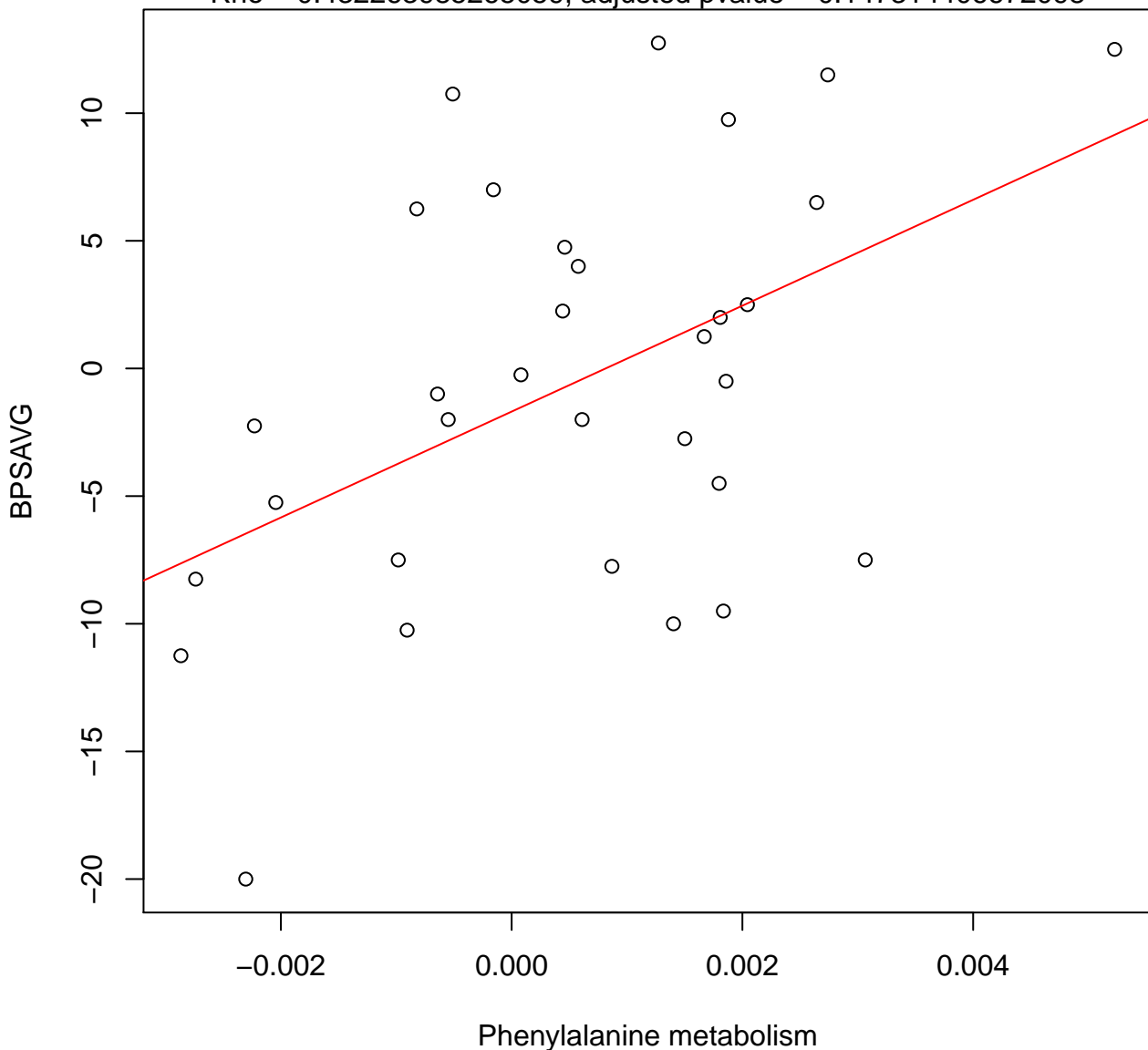
**Group A, Delta BPSAVG ~ Delta Peptidoglycan biosynthesis**

Rho =  $-0.37965170207122$ , adjusted pvalue =  $0.199734395156852$



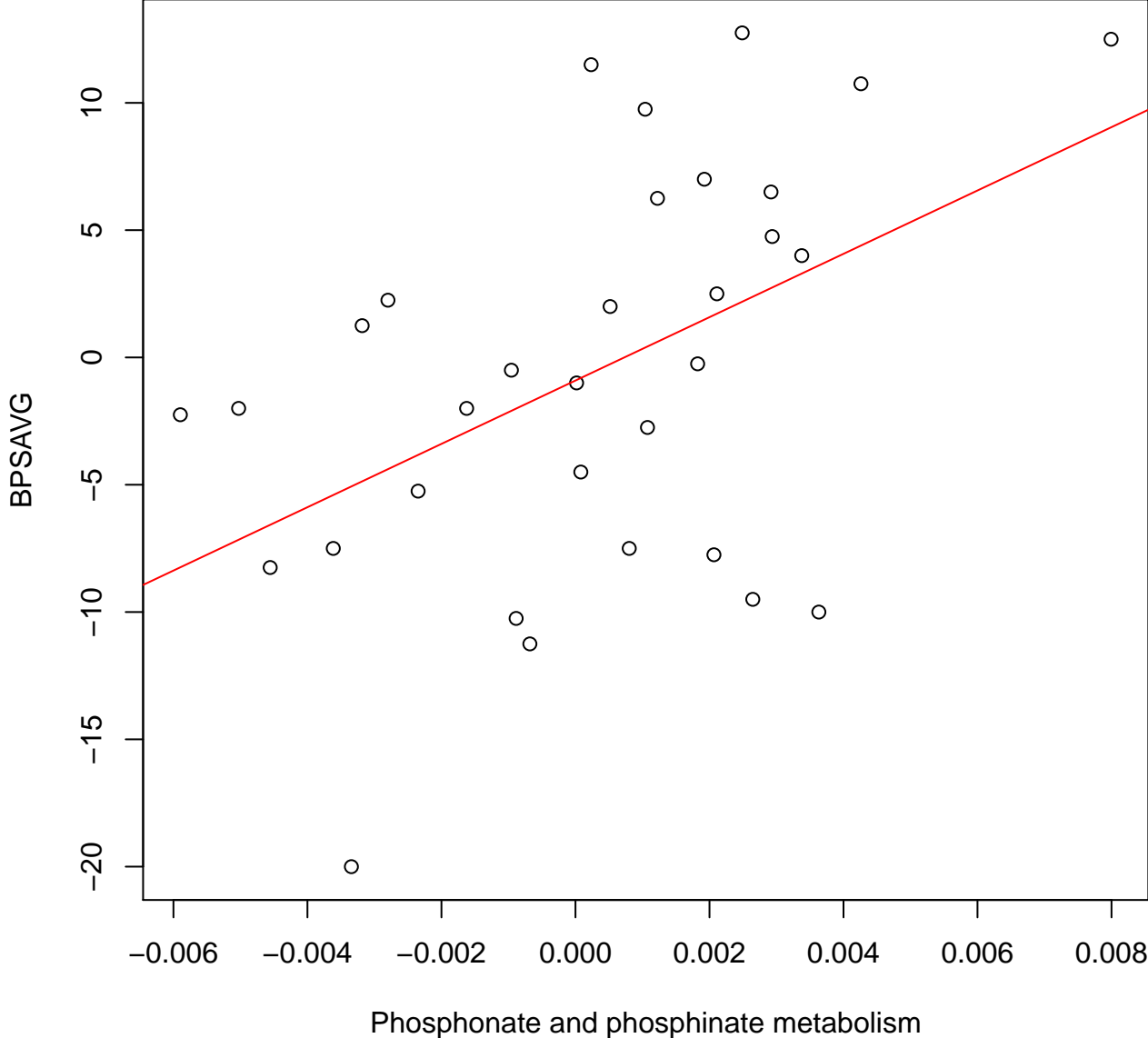
# Group A, Delta BPSAVG ~ Delta Phenylalanine metabolism

Rho = 0.432263985265059, adjusted pvalue = 0.147314406672098



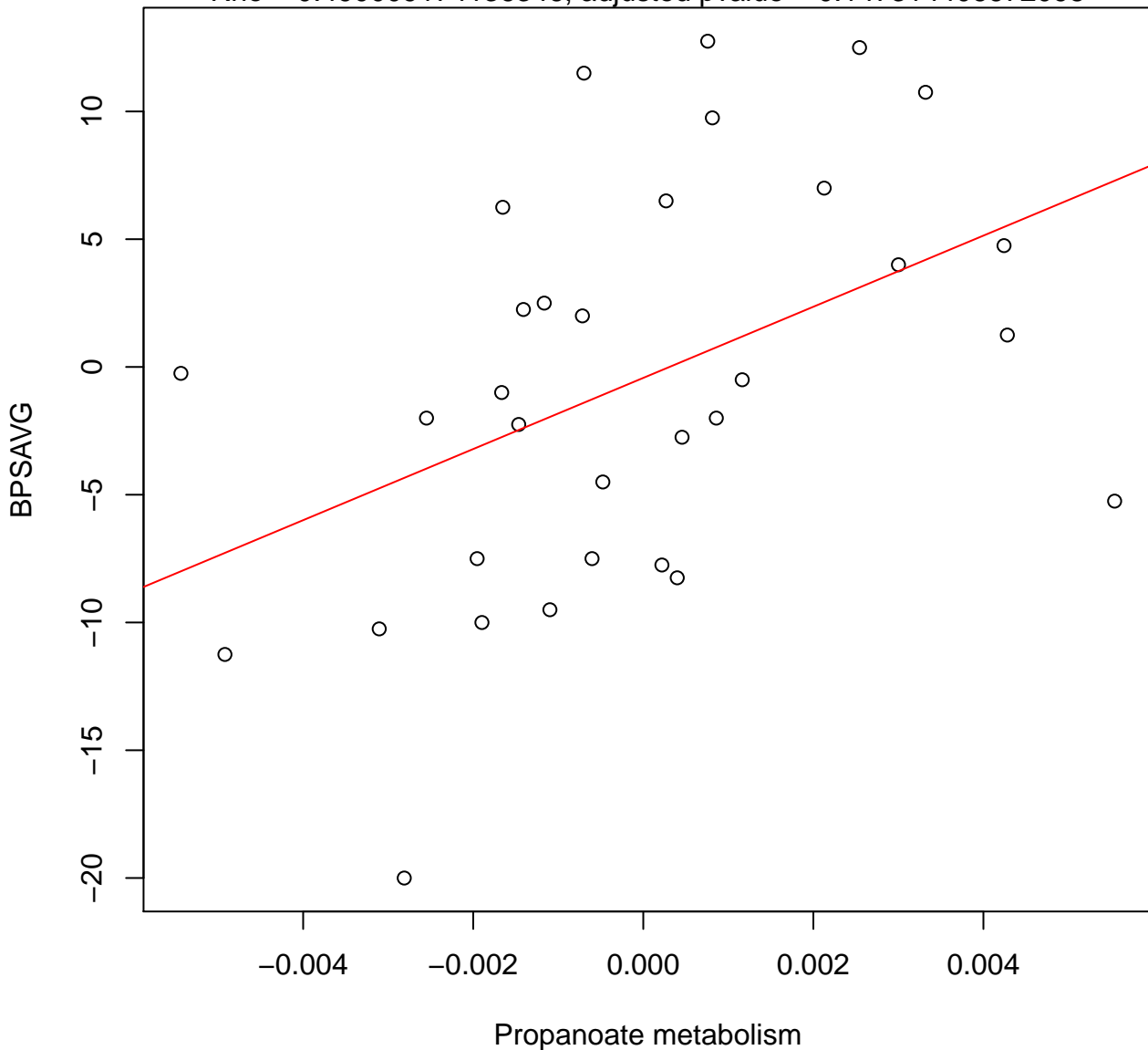
**Group A, Delta BPSAVG ~ Delta Phosphonate and phosphinate metabolis**

Rho = 0.453528880214485, adjusted pvalue = 0.147314406672098



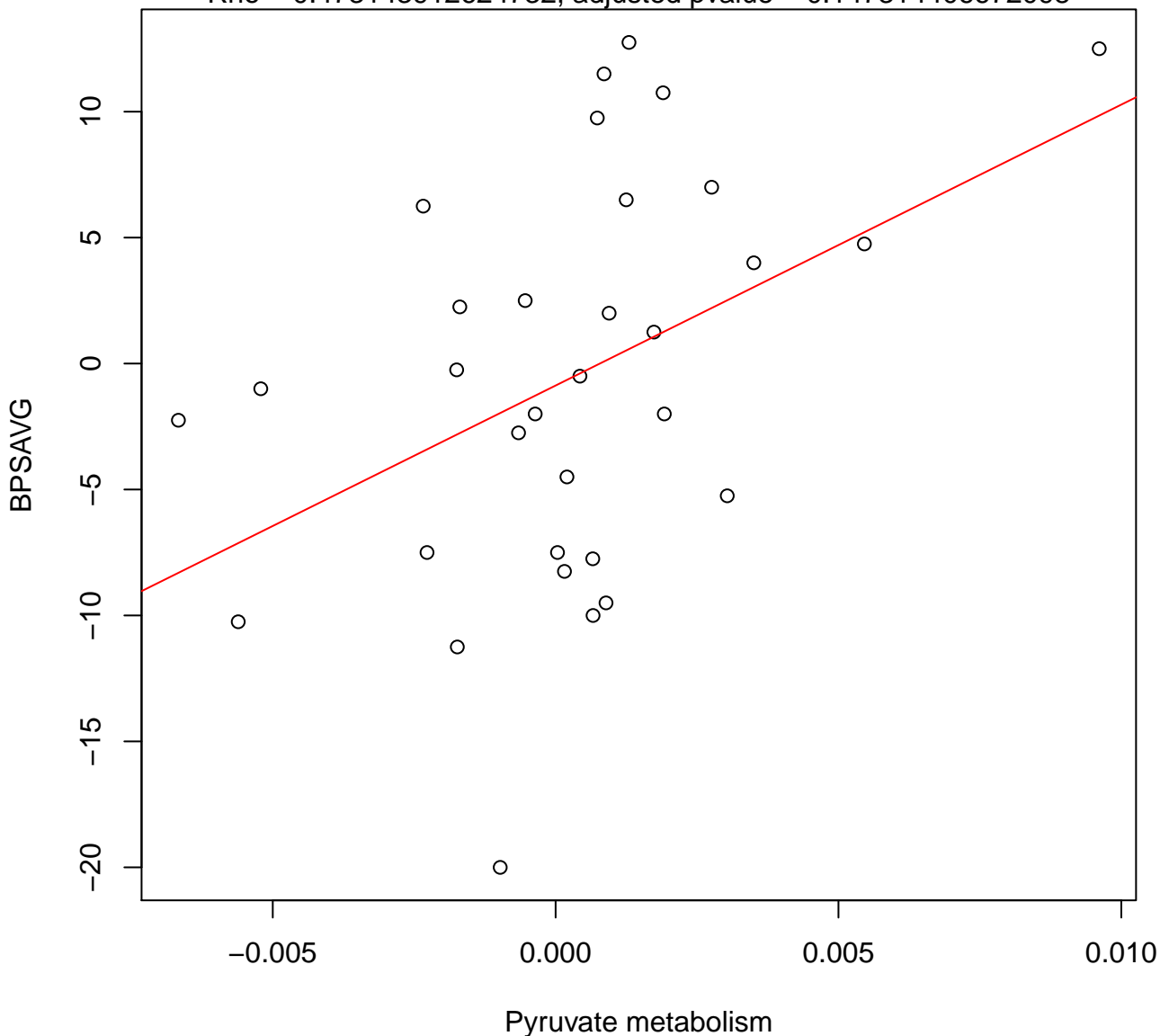
# Group A, Delta BPSAVG ~ Delta Propanoate metabolism

Rho = 0.490009174136346, adjusted pvalue = 0.147314406672098



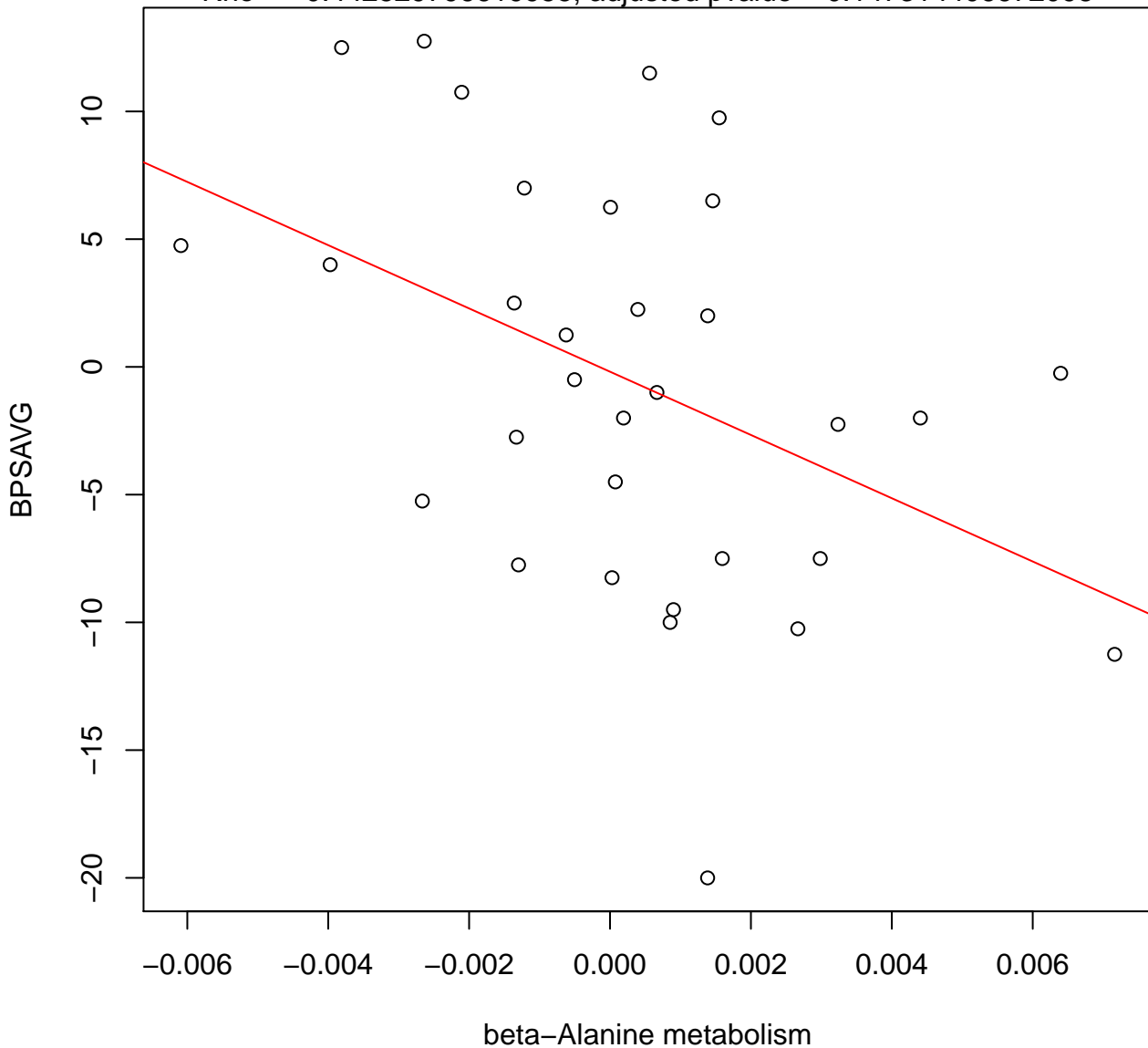
# Group A, Delta BPSAVG ~ Delta Pyruvate metabolism

Rho = 0.473143912624732, adjusted pvalue = 0.147314406672098



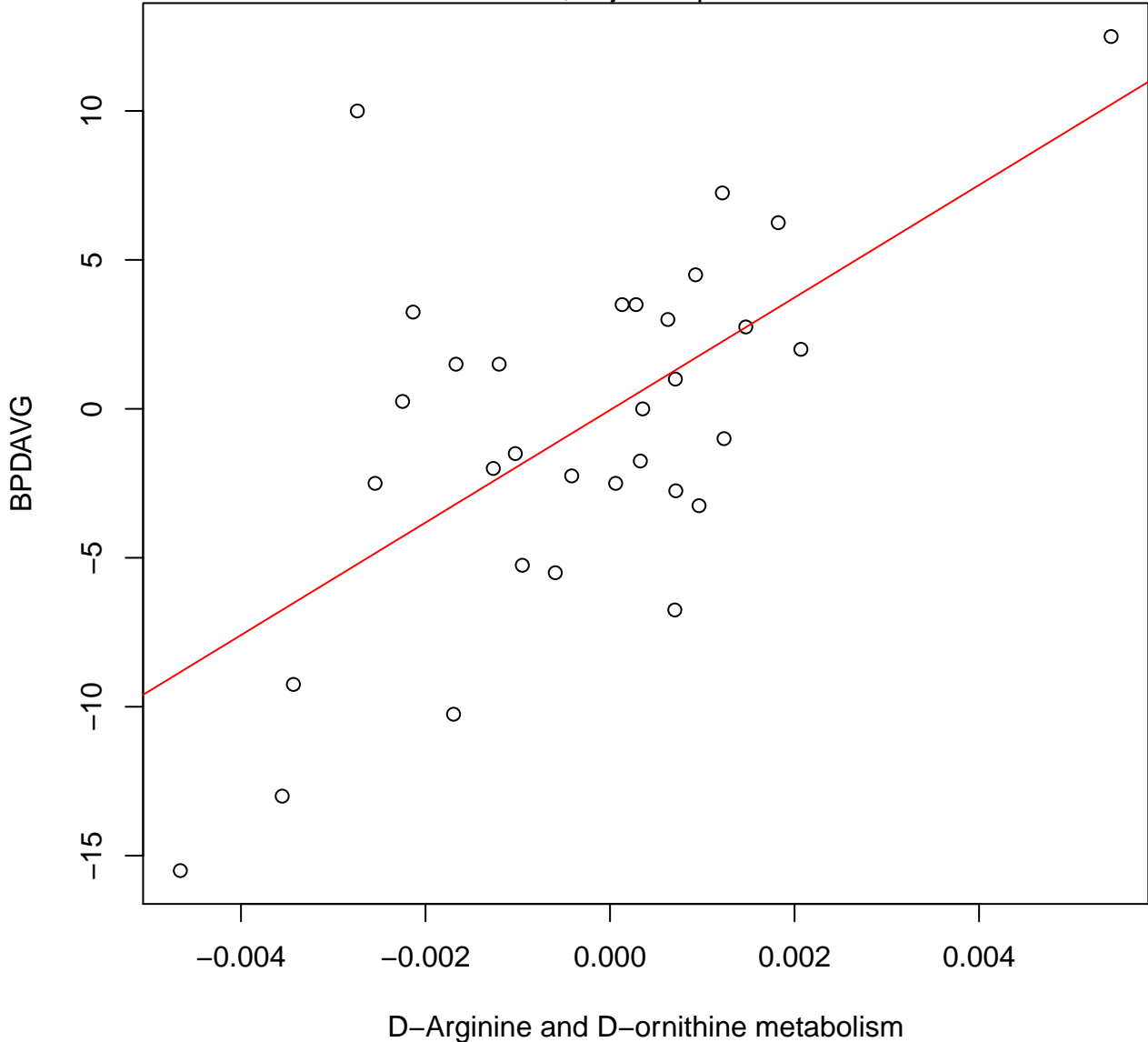
# Group A, Delta BPSAVG ~ Delta beta-Alanine metabolism

Rho = -0.442529796619955, adjusted pvalue = 0.147314406672098



**Group A, Delta BPD AVG ~ Delta D-Arginine and D-ornithine metabolism**

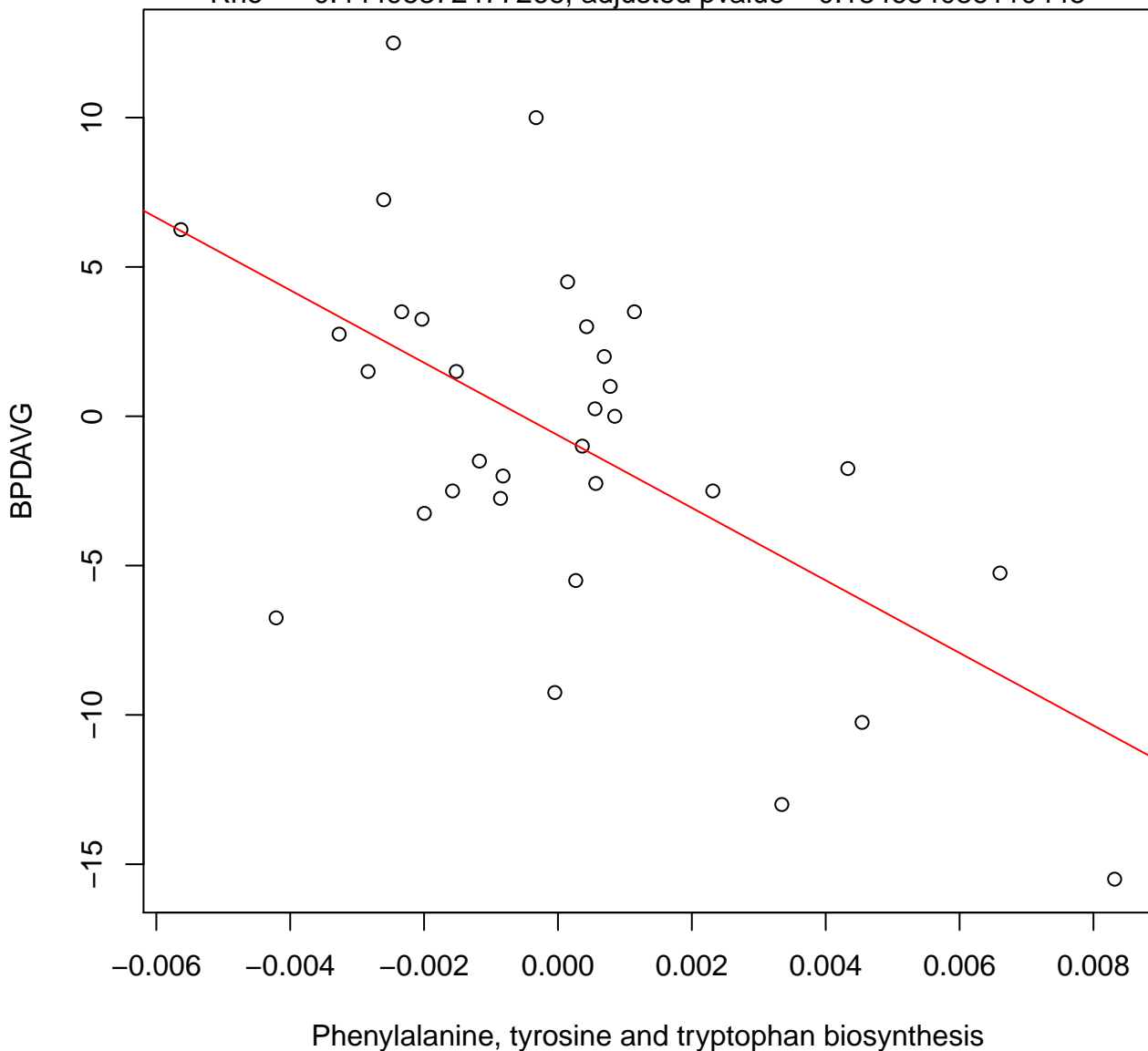
Rho = 0.455037142515757, adjusted pvalue = 0.184654086110445





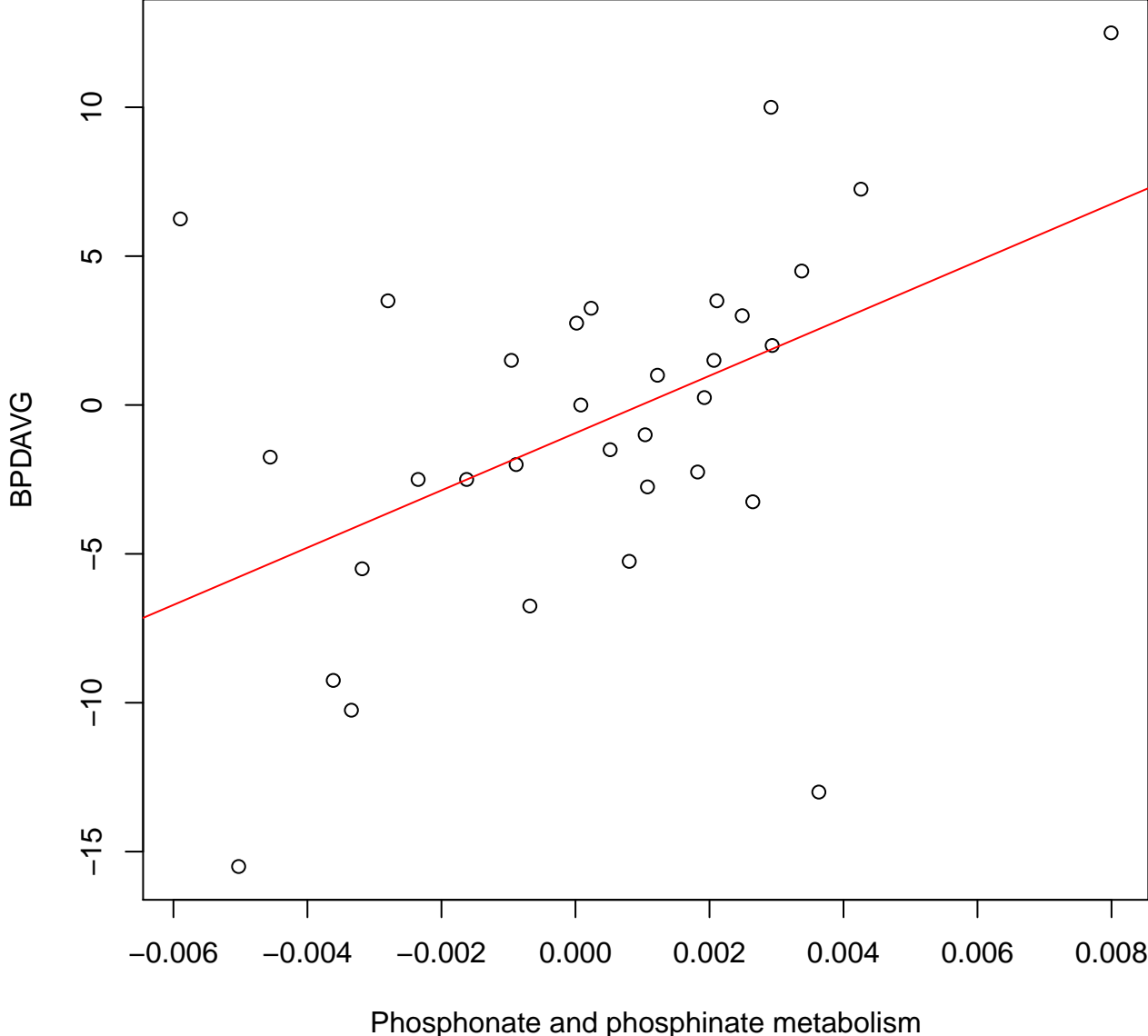
Group A, Delta BPD AVG ~ Delta Phenylalanine, tyrosine and tryptophan biosynthesis

Rho =  $-0.44495372477266$ , adjusted pvalue =  $0.184654086110445$



**Group A, Delta BPDAVG ~ Delta Phosphonate and phosphinate metabolis**

Rho = 0.42258687086979, adjusted pvalue = 0.184654086110445



# Group A, Delta BPDAVG ~ Delta beta-Alanine metabolism

Rho = -0.457420495800489, adjusted pvalue = 0.184654086110445

