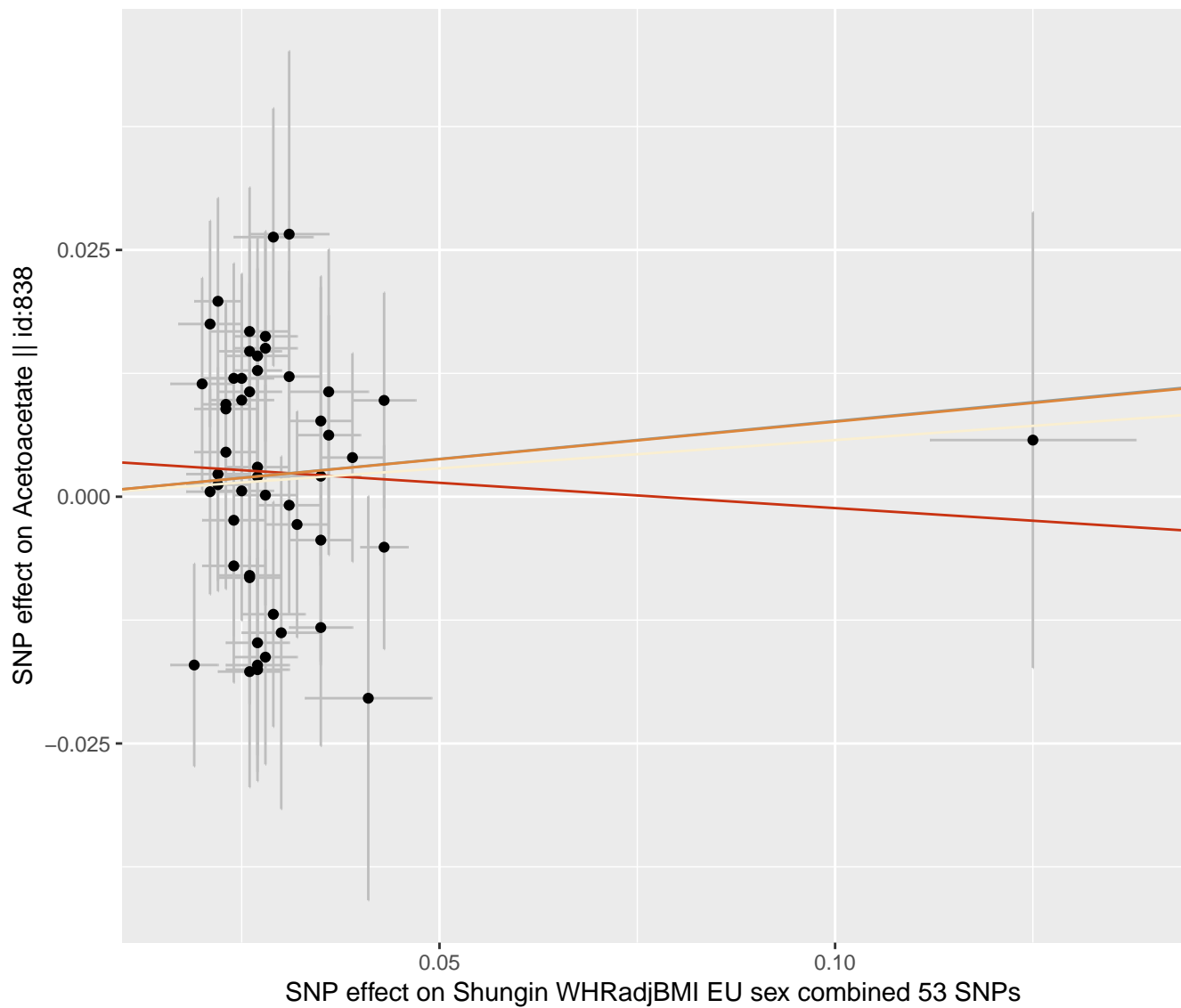


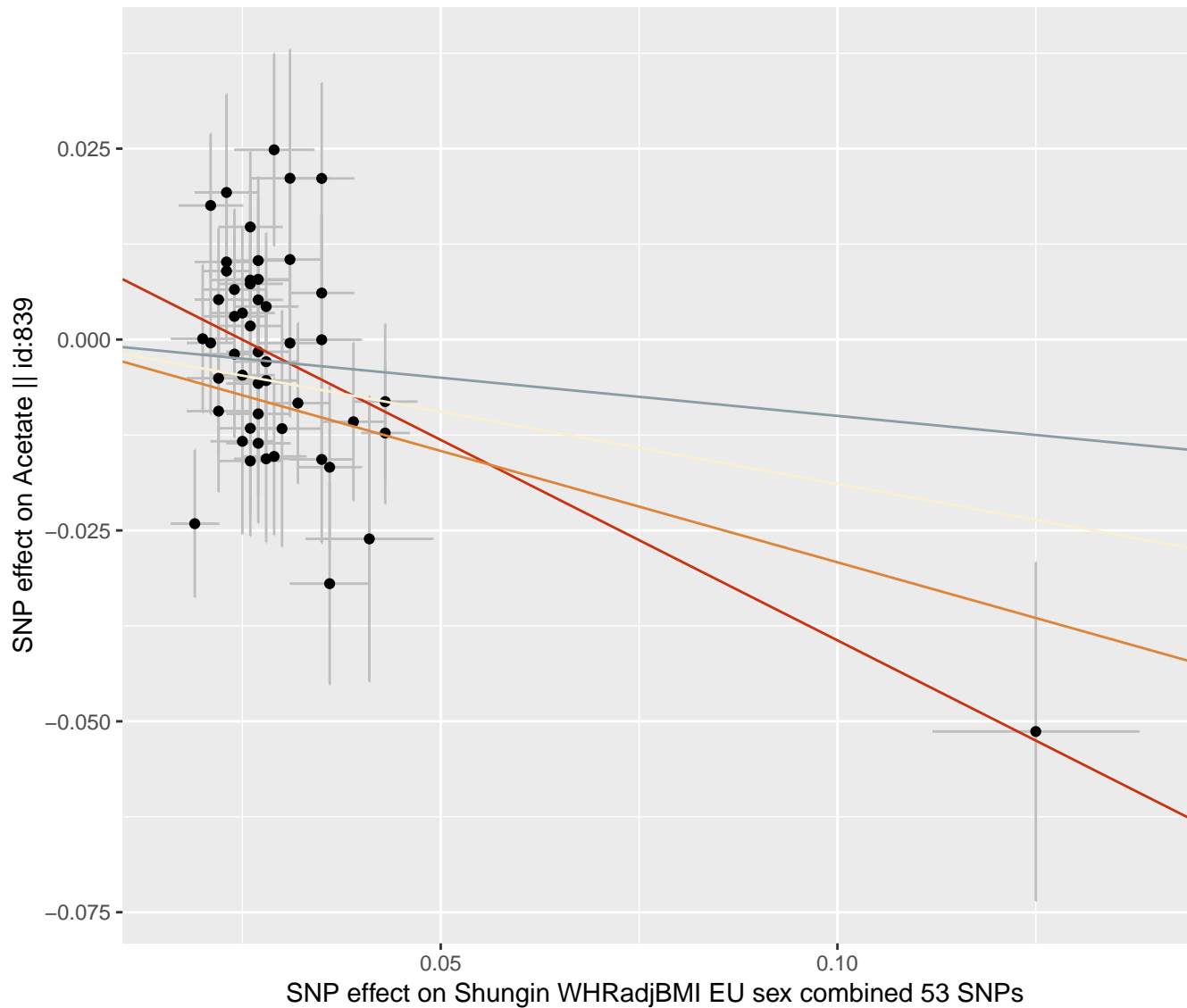
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



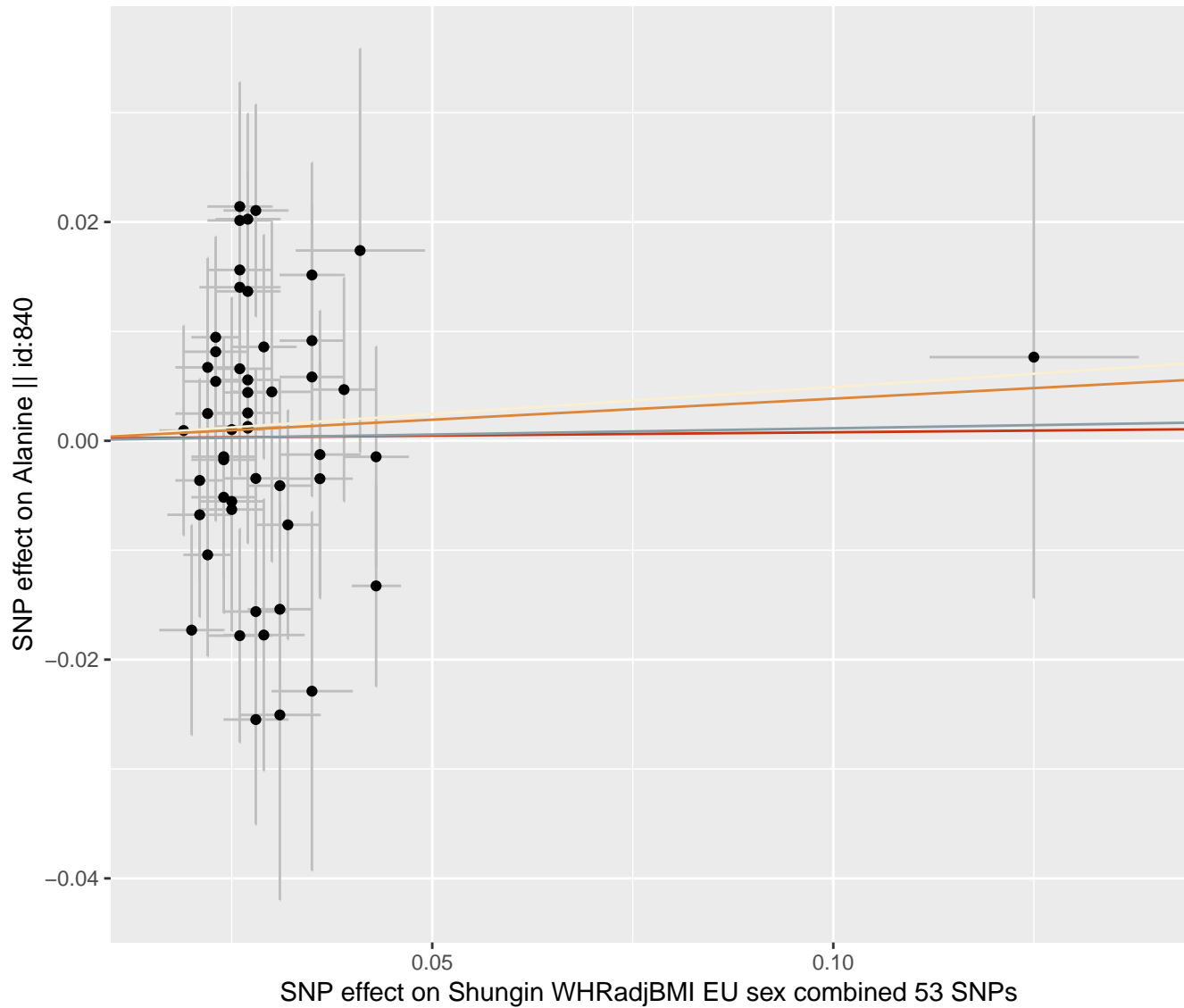
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



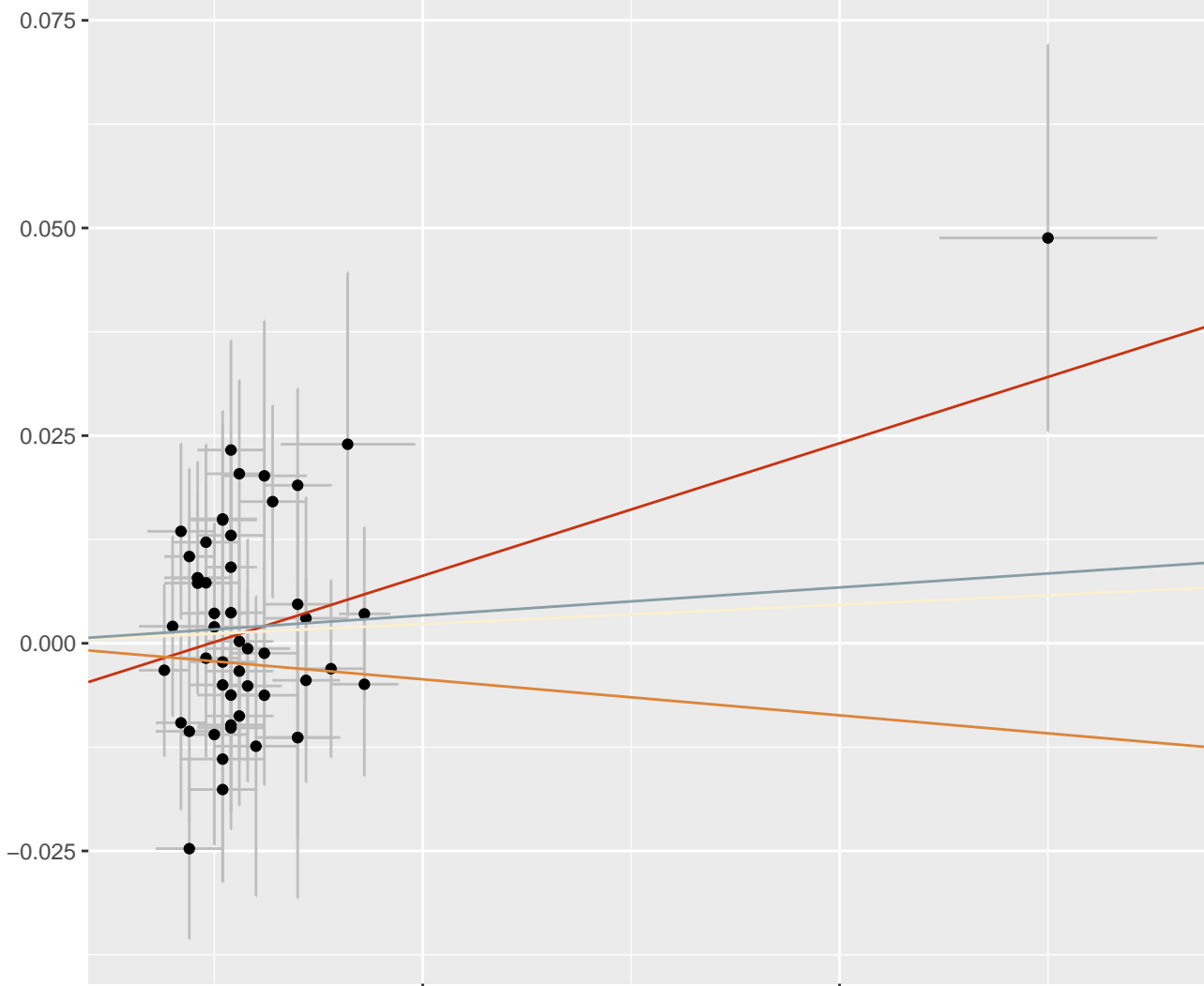
Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

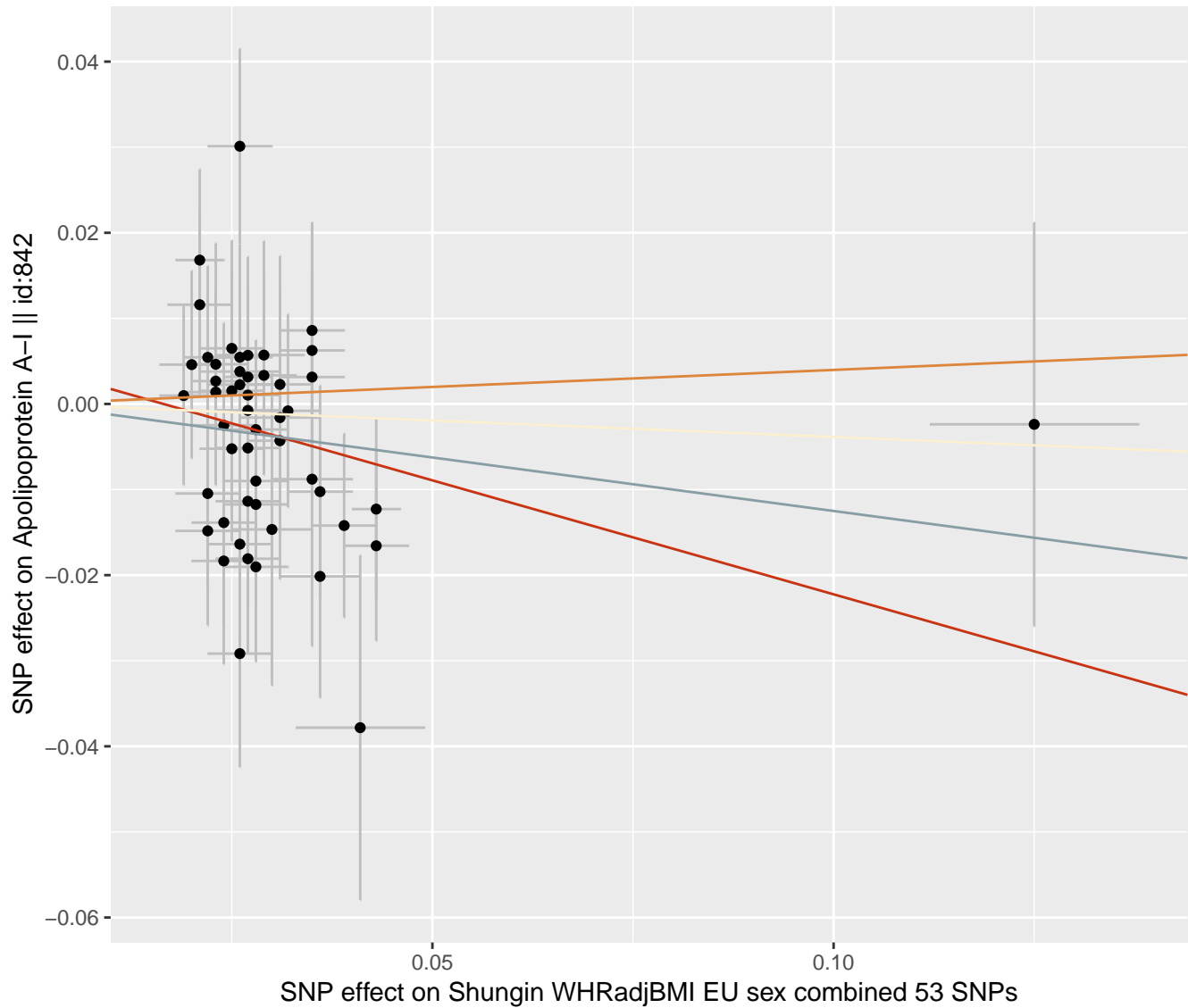
SNP effect on Albumin || id:841



SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs

# MR Test

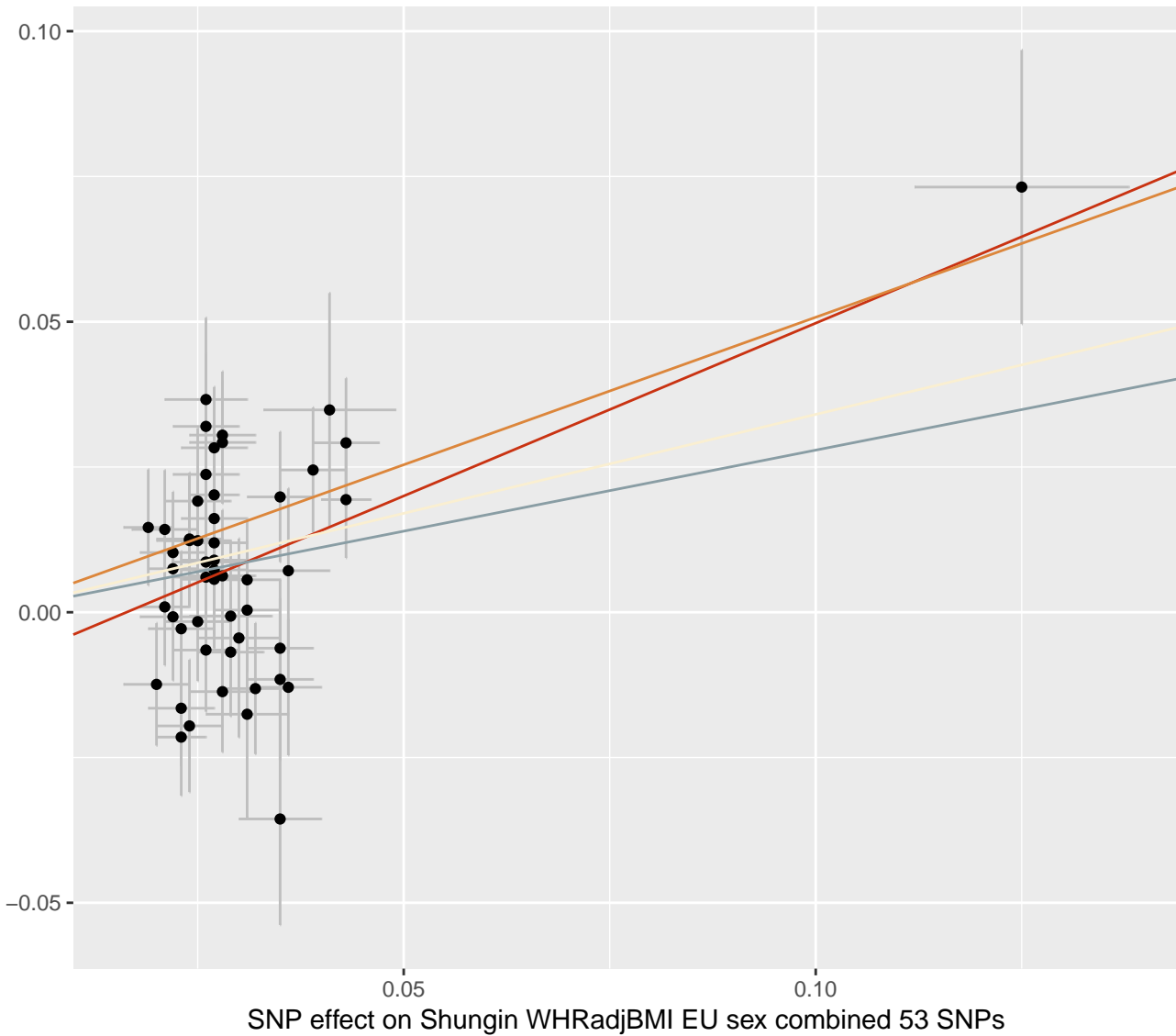
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

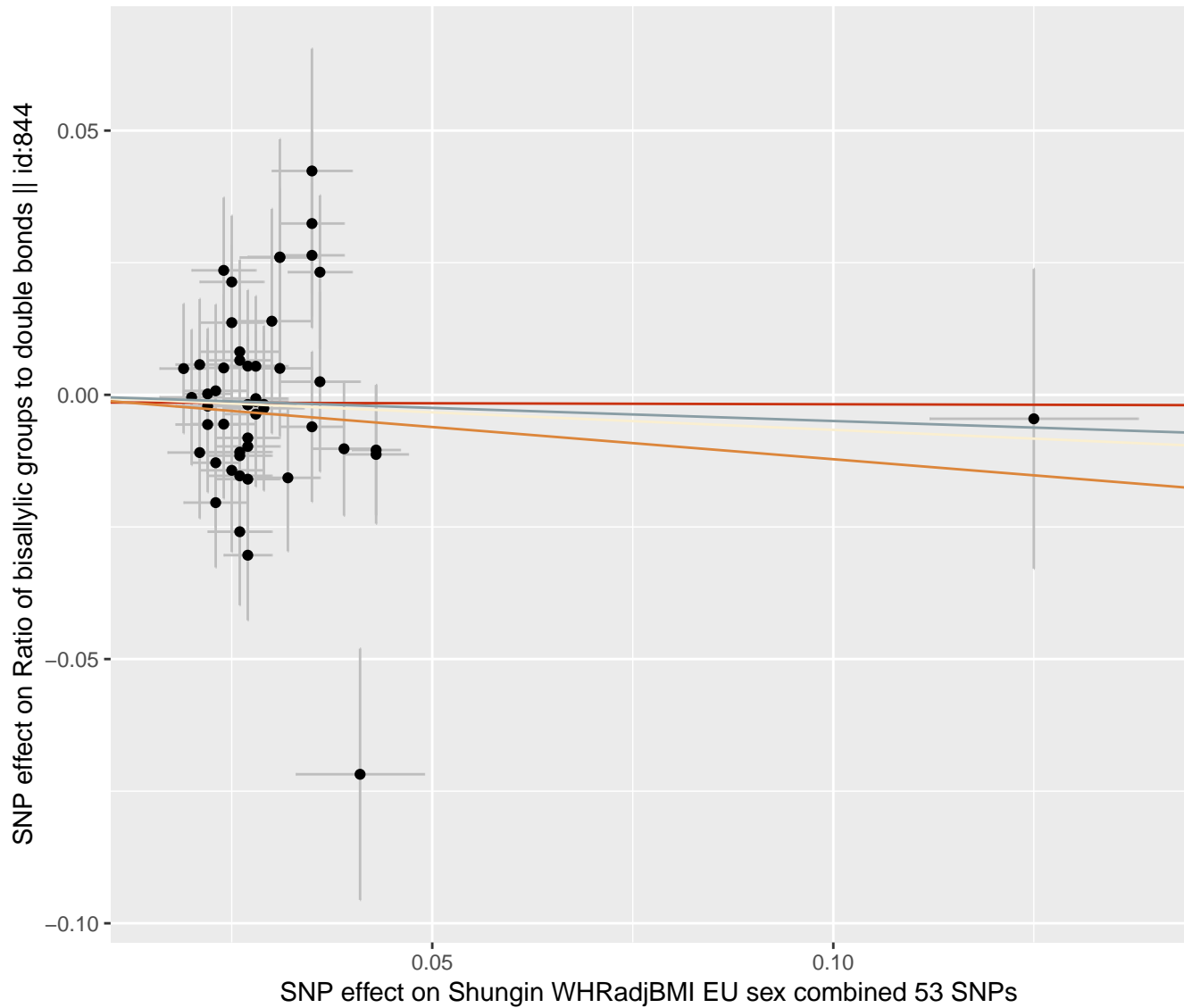
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Apolipoprotein B || id:843



# MR Test

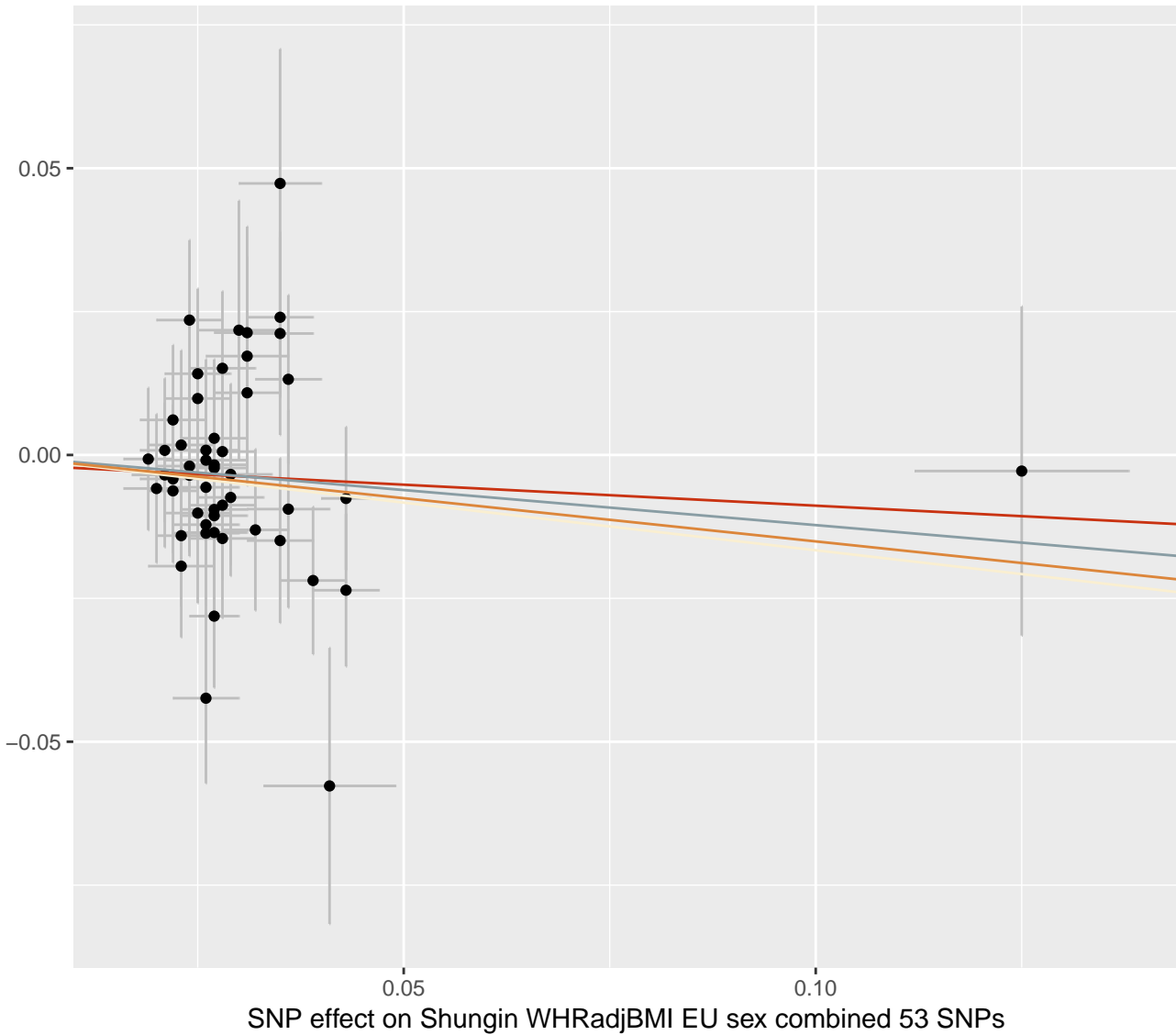
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Ratio of bisallylic groups to total fatty acids || id:845





# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

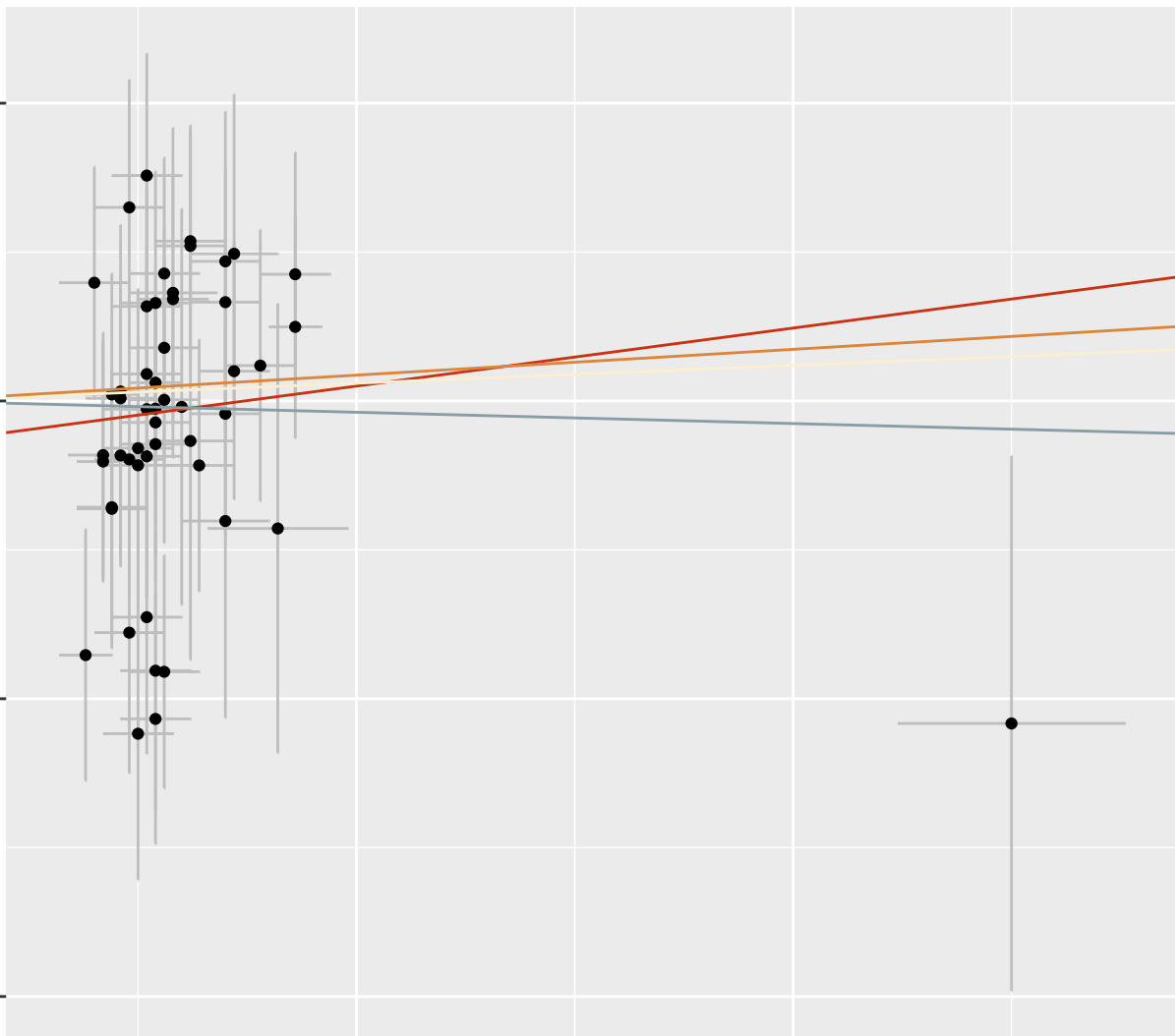
SNP effect on 3-hydroxybutyrate || id:846

0.025  
0.000  
-0.025  
-0.050

0.05

0.10

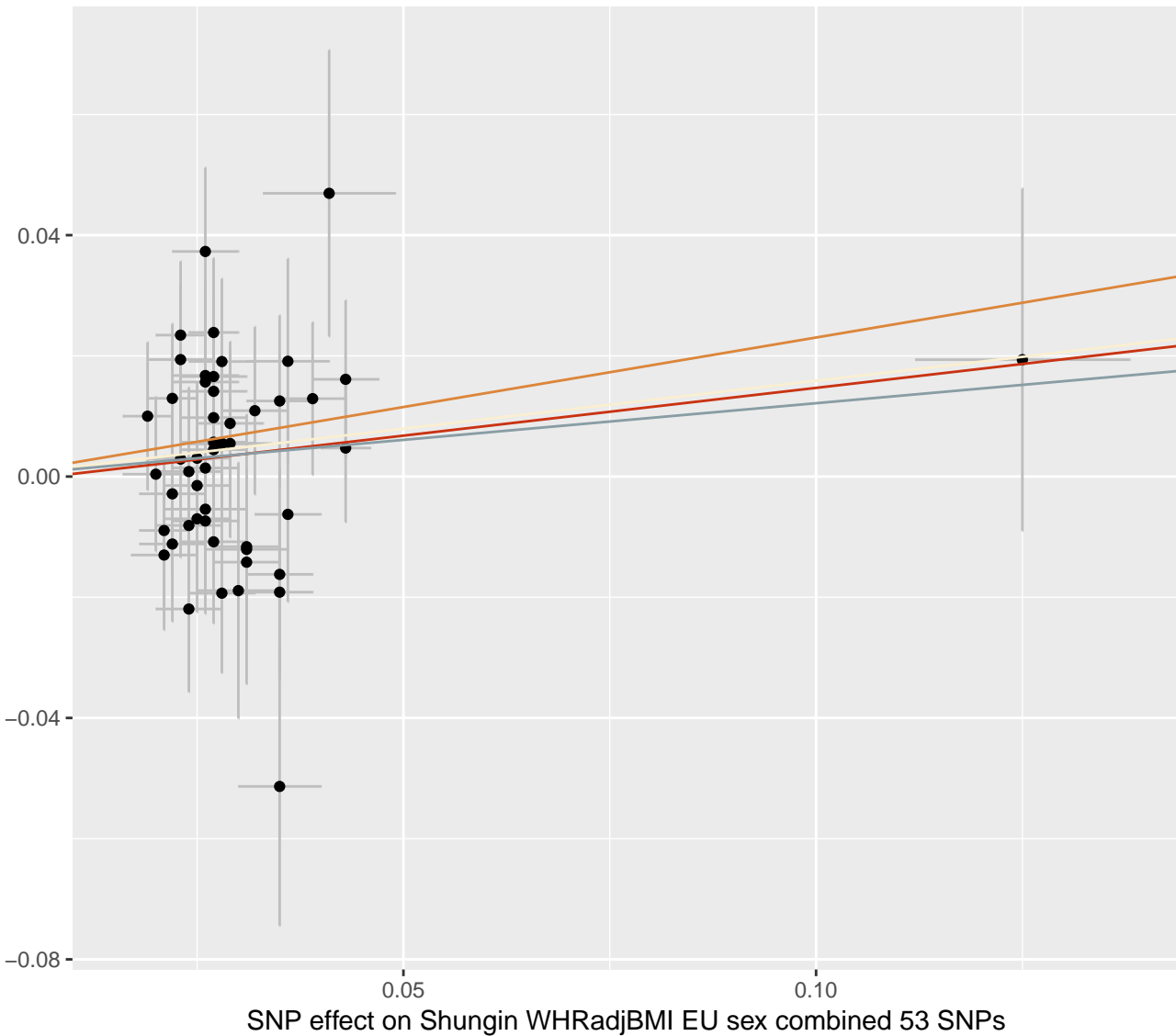
SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

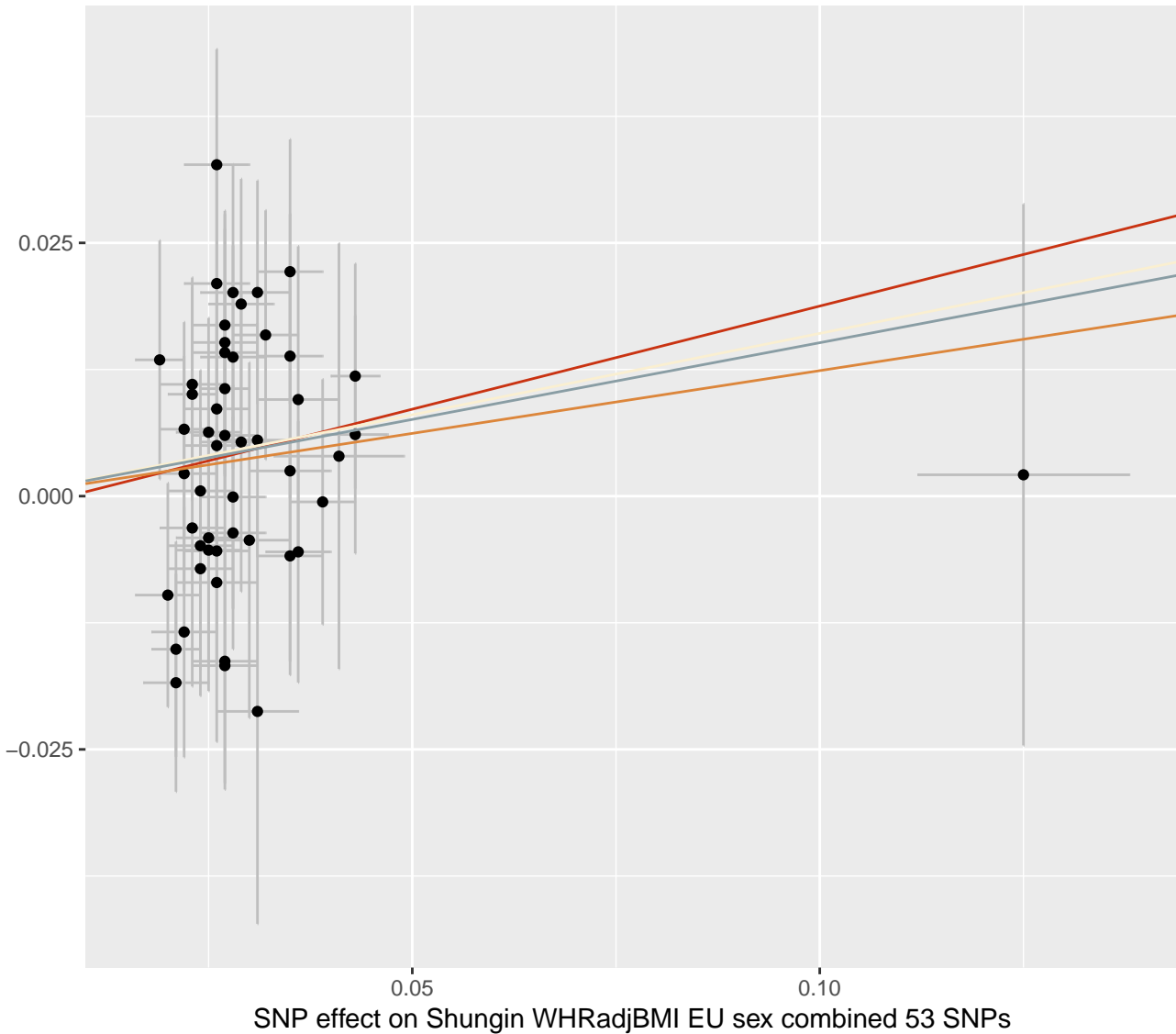
SNP effect on Average number of methylene groups per double bond || id:847



# MR Test

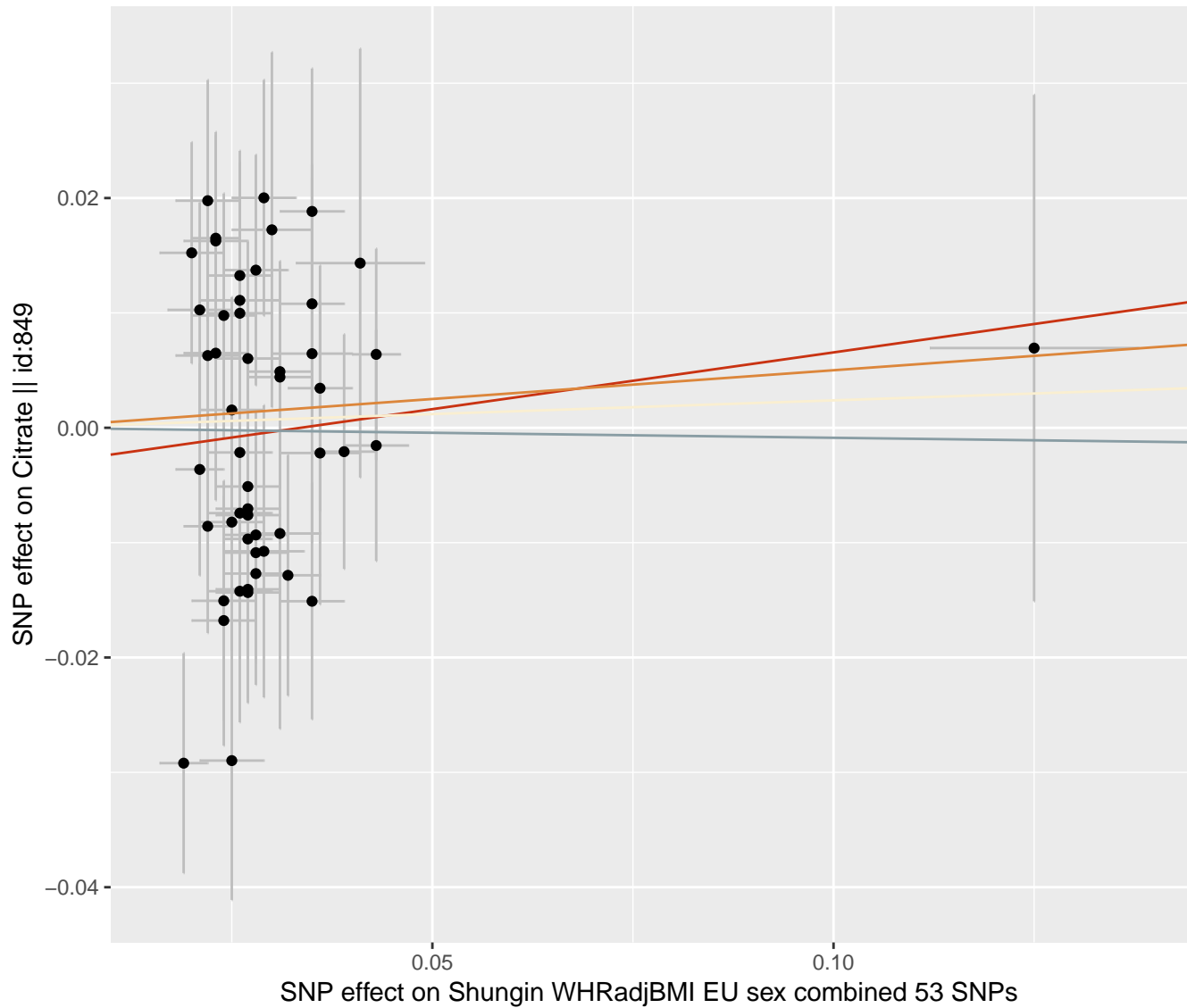
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Average number of methylene groups in a fatty acid chain || id:848



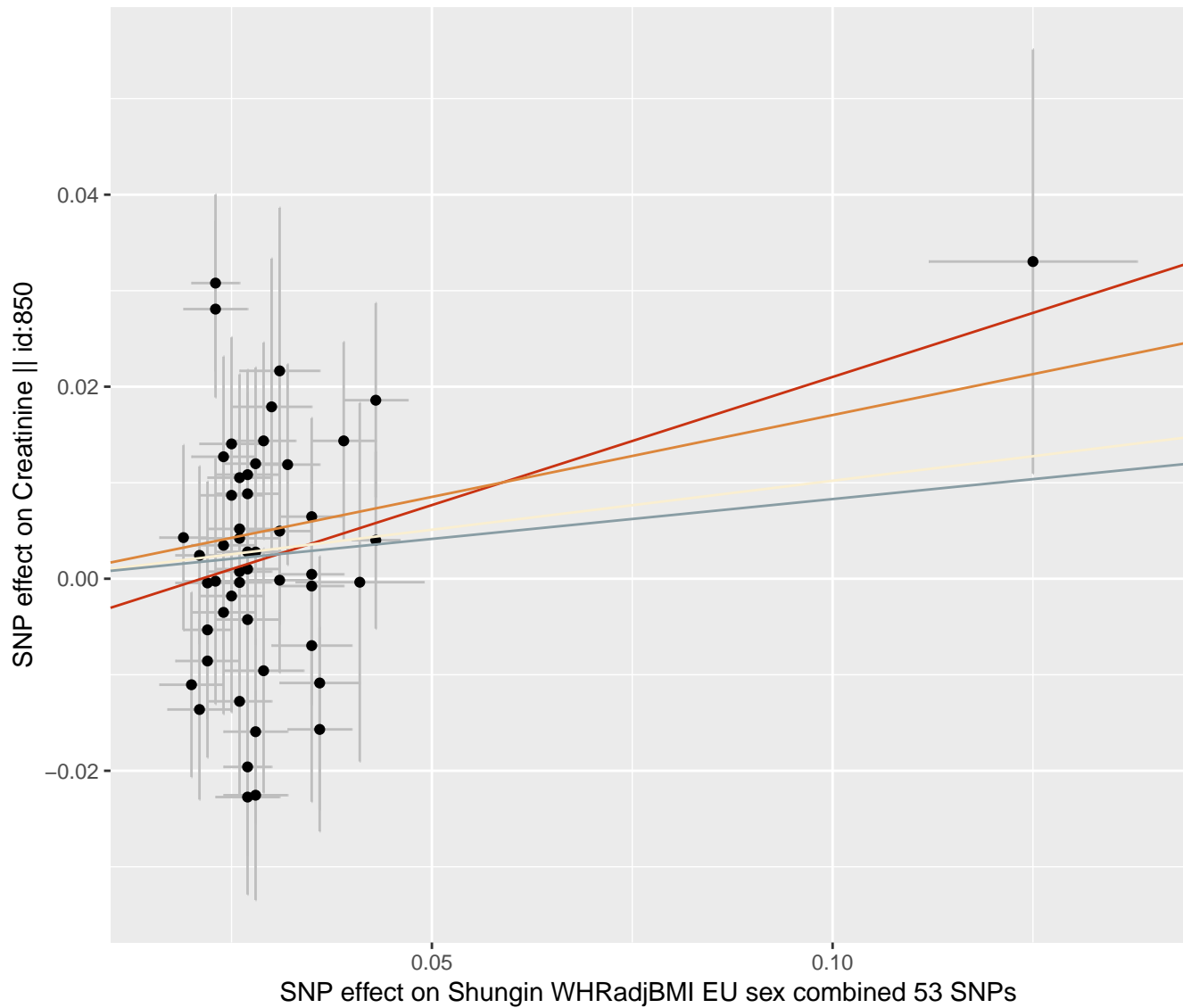
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



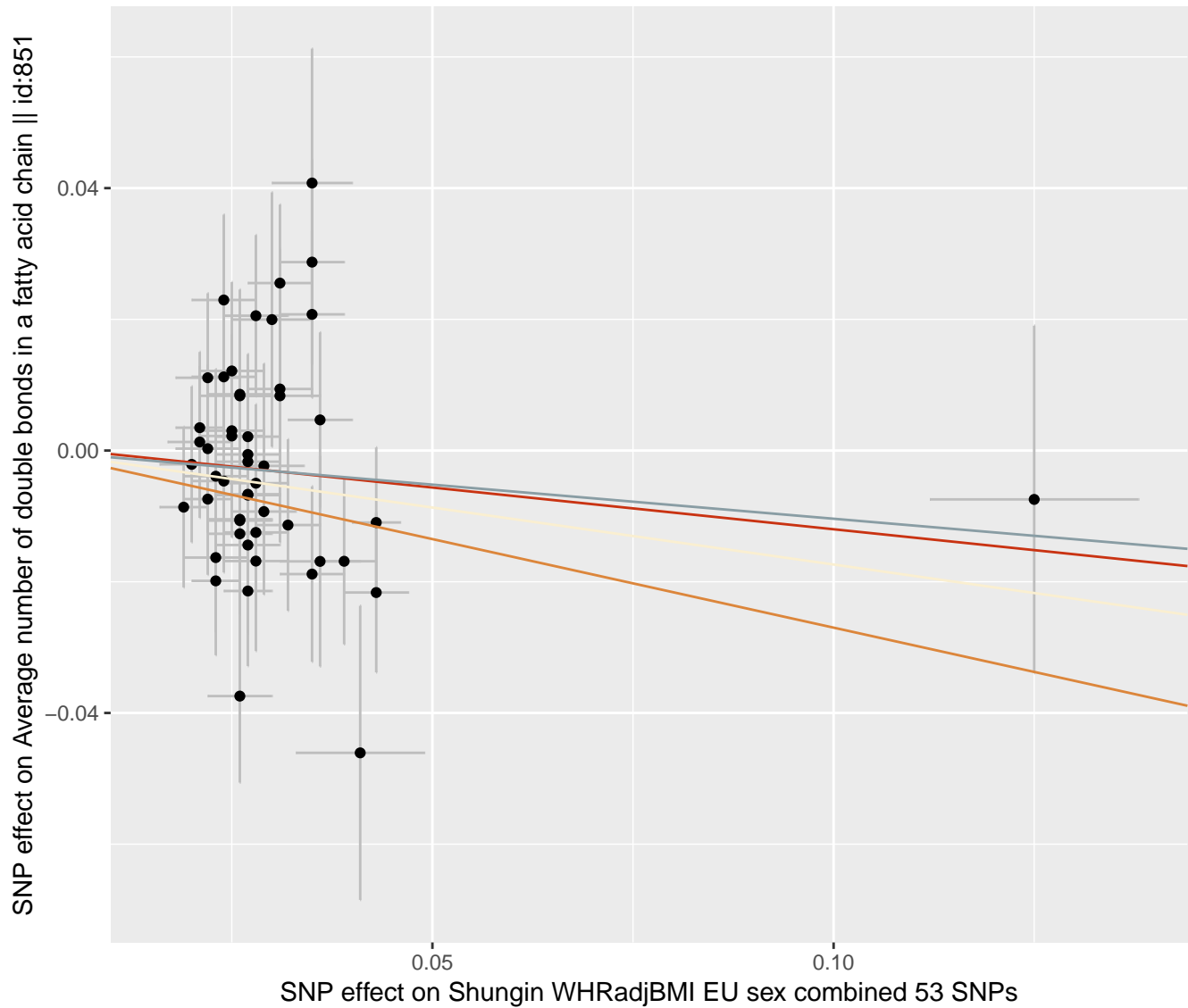
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



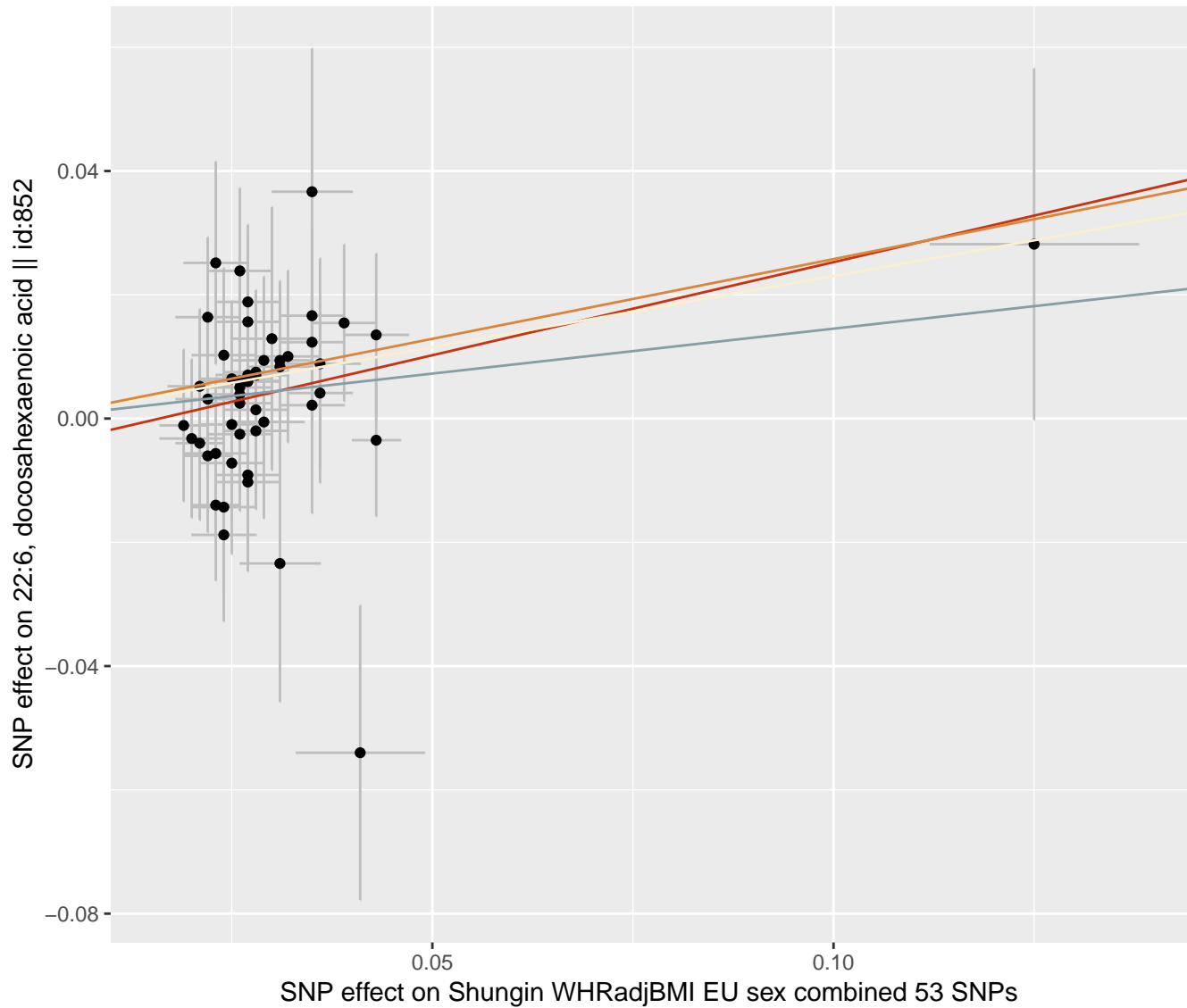
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

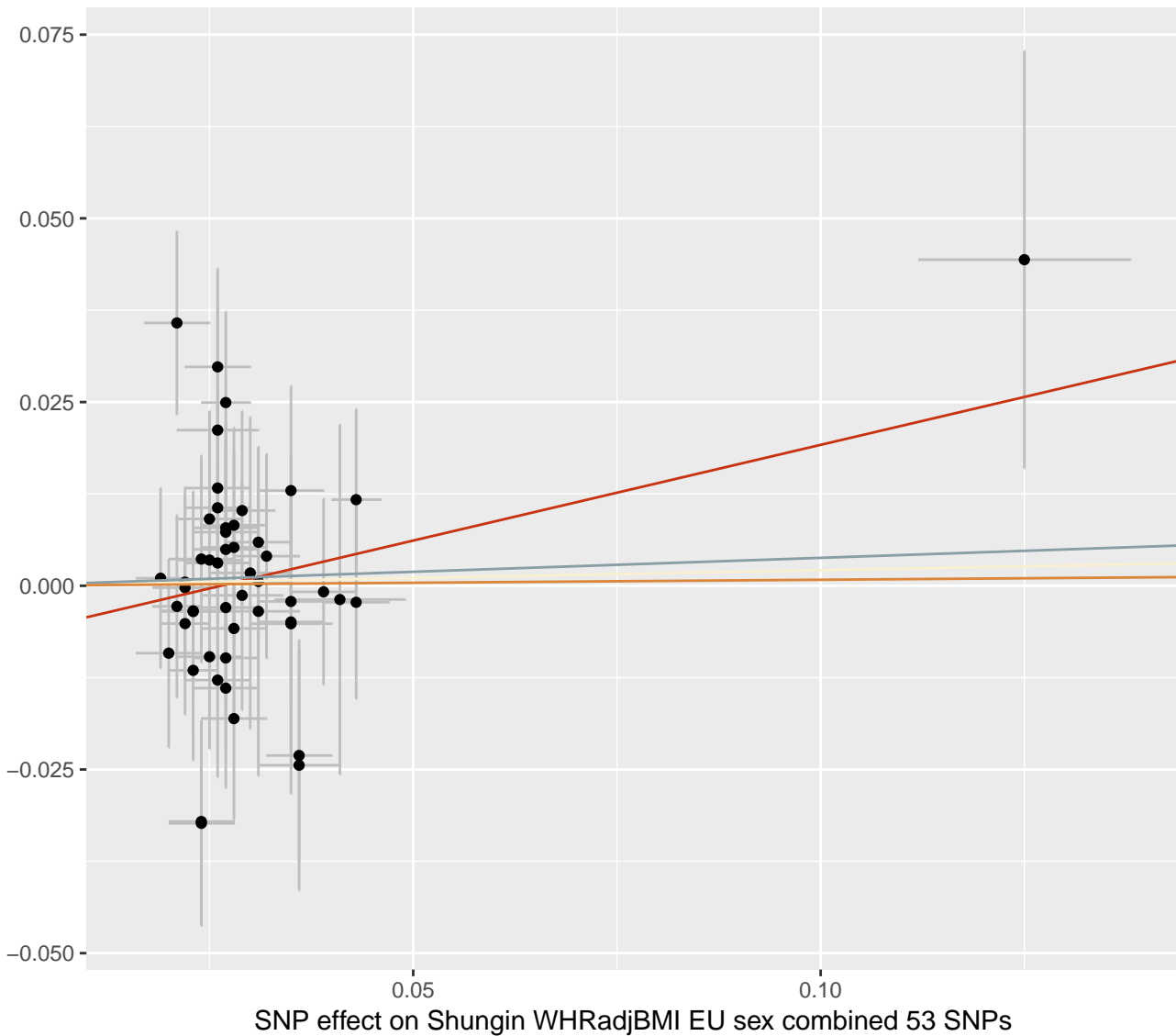
MR Egger



Weighted median

Weighted mode

SNP effect on Free cholesterol to esterified cholesterol ratio || id:853

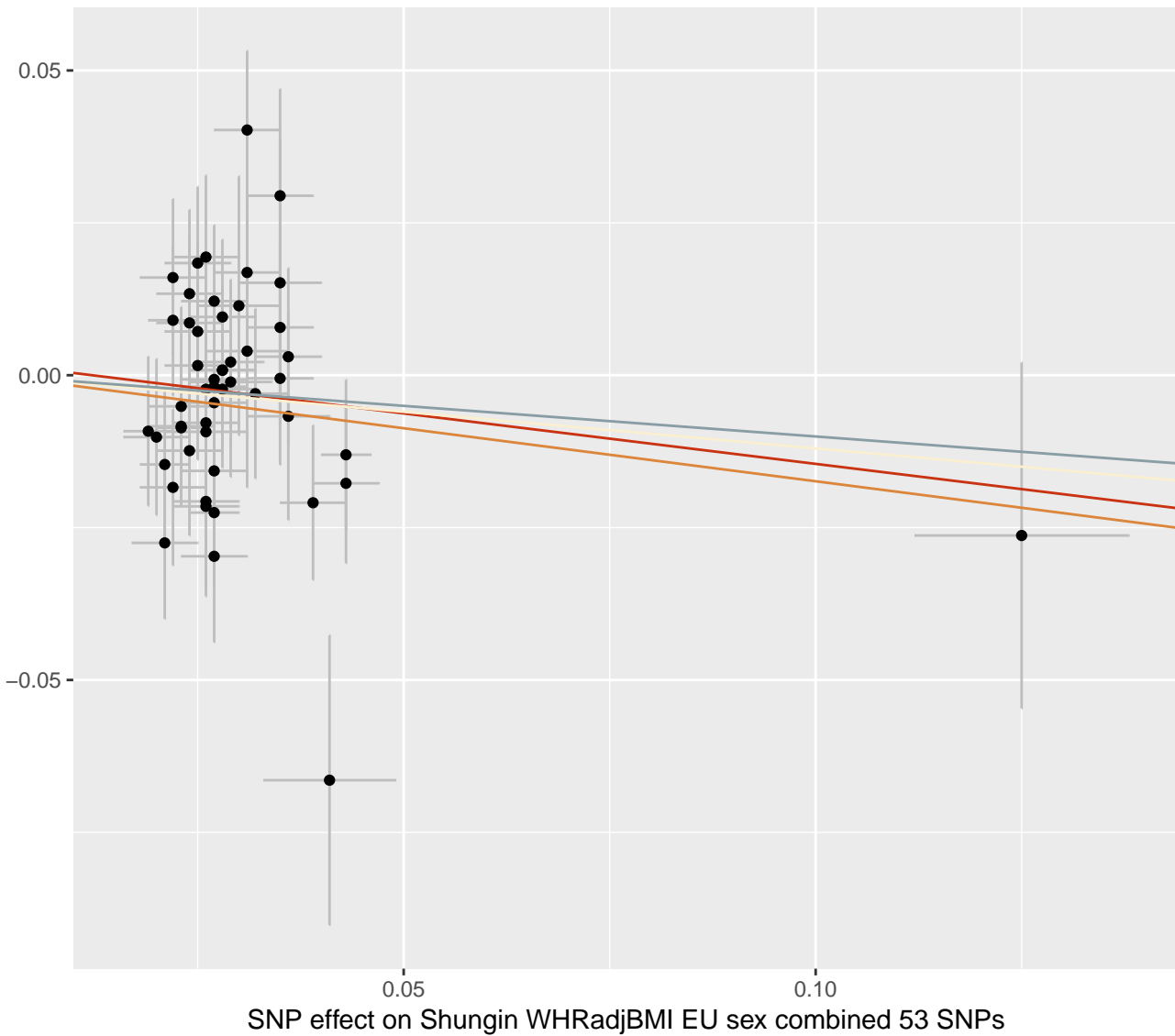




SNP effect on Description of average fatty acid chain length, not actual carbon number || id:854

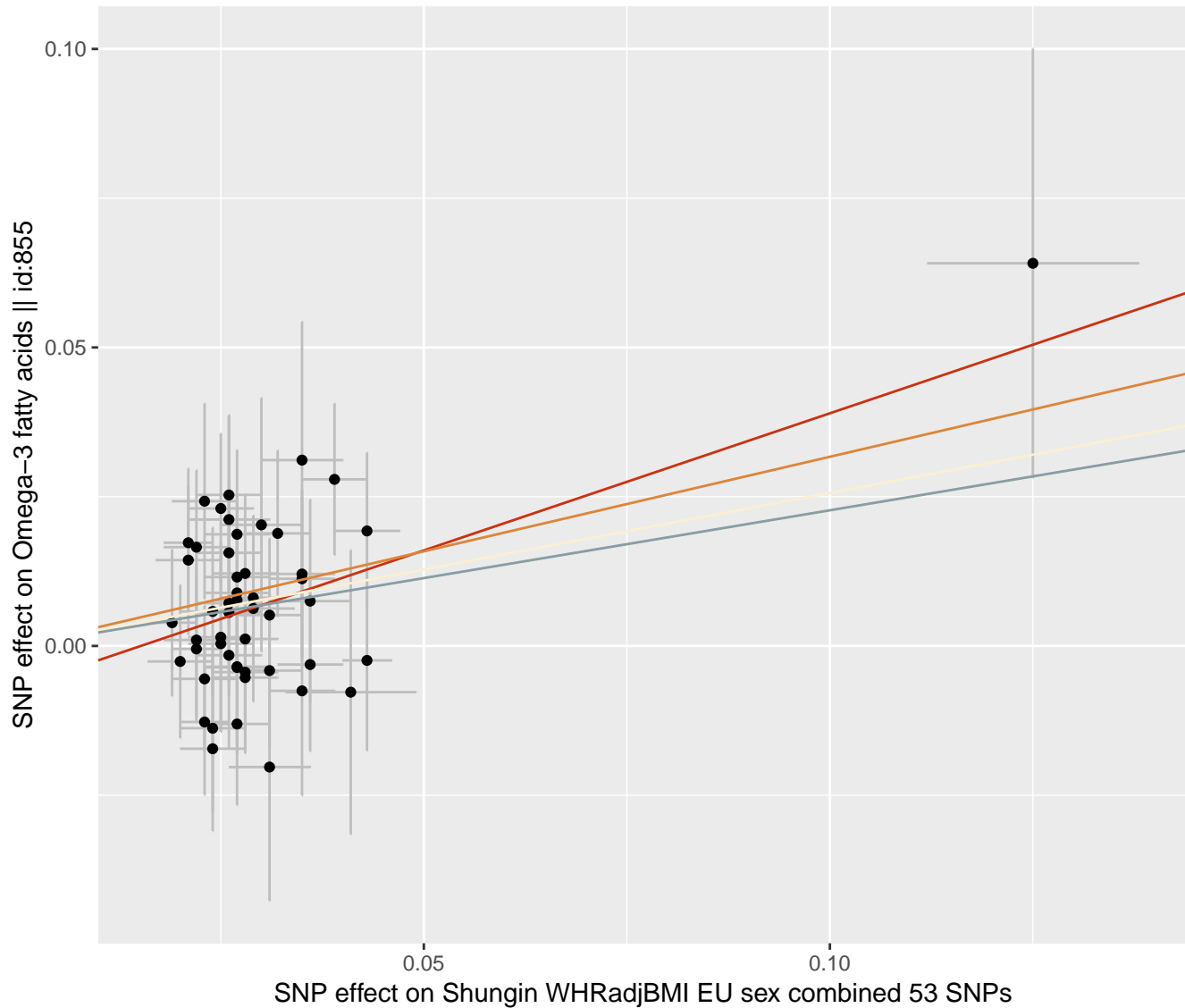
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

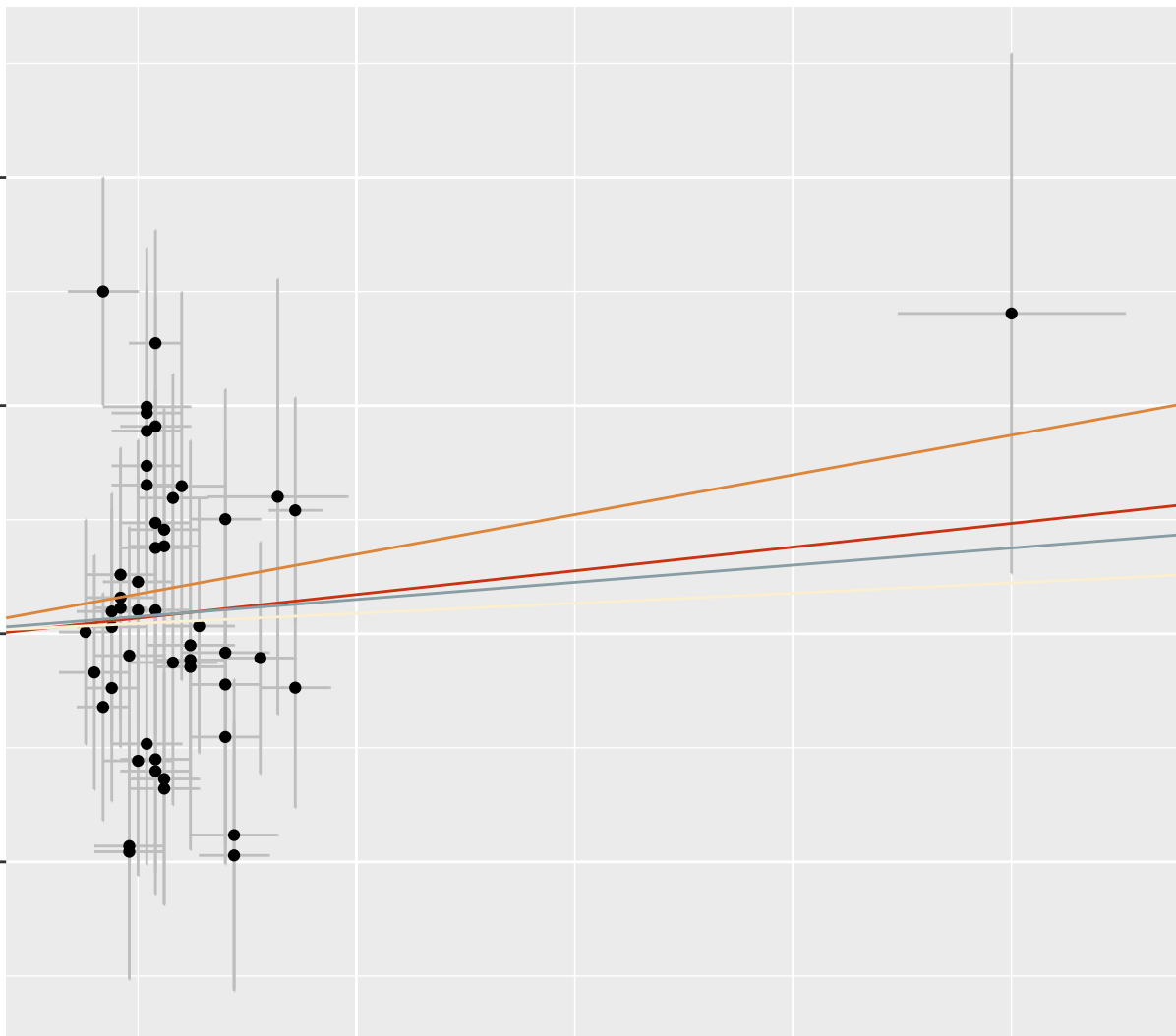
SNP effect on Omega-6 fatty acids || id:856

0.050  
0.025  
0.000  
-0.025

0.05

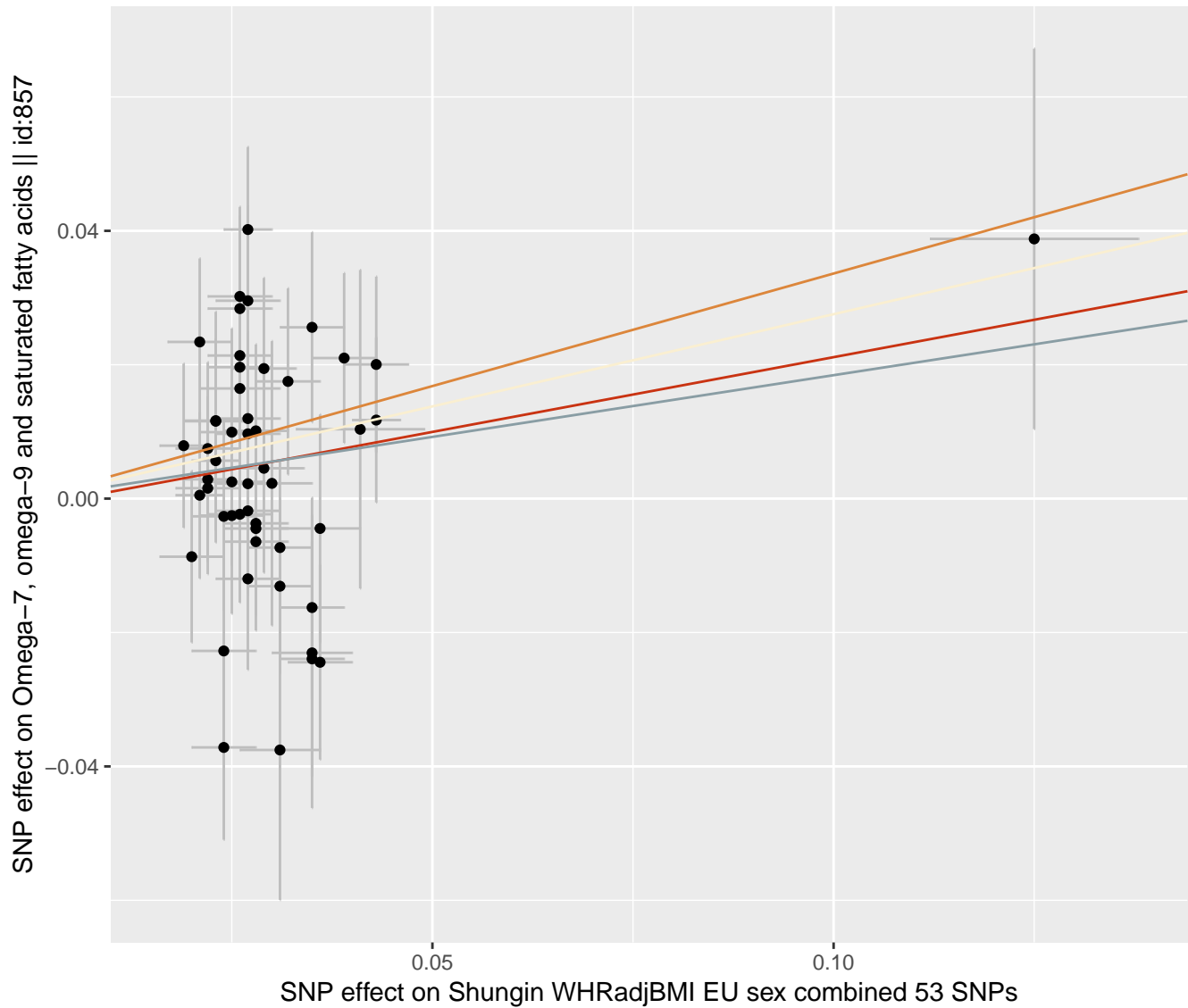
0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



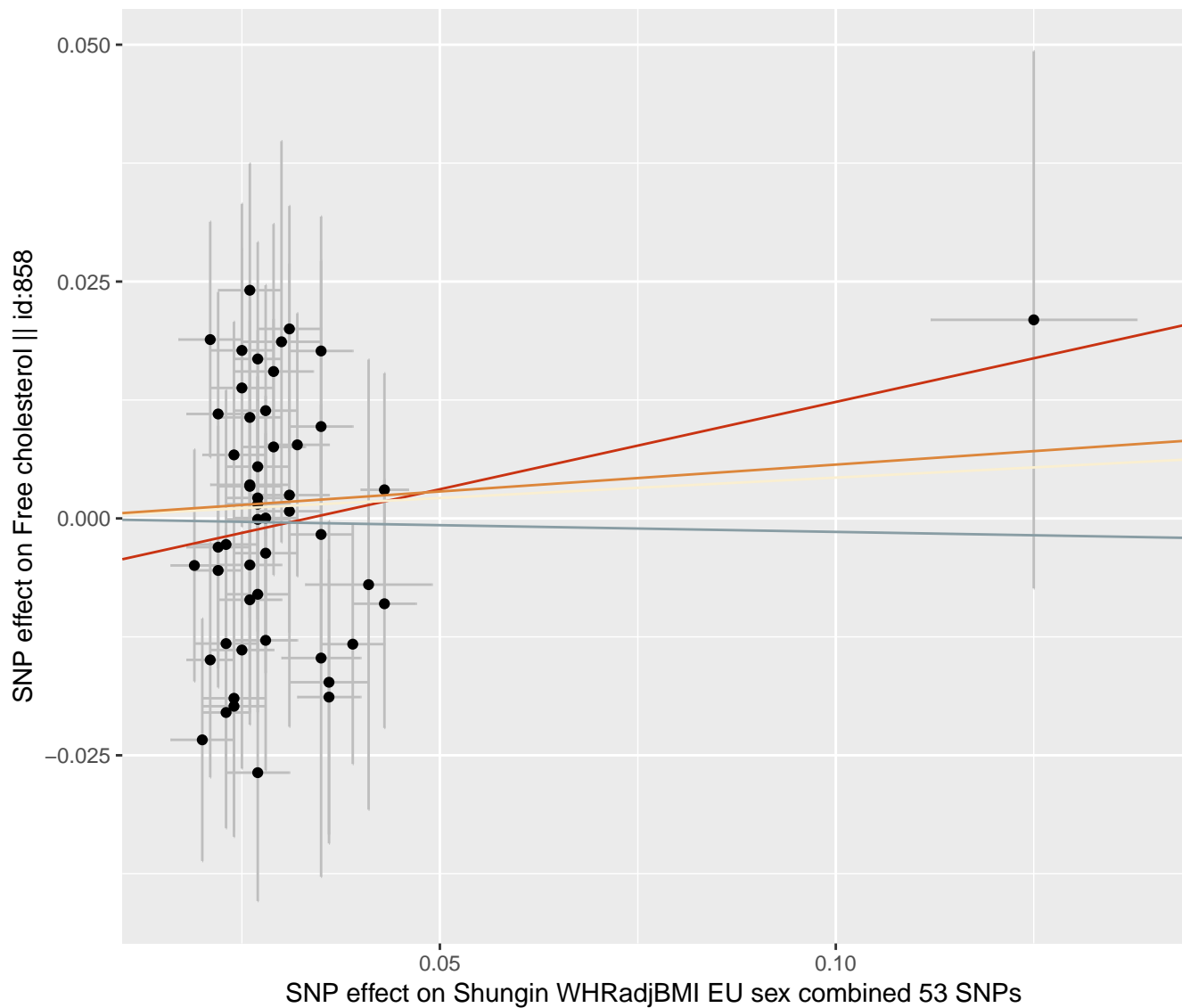
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



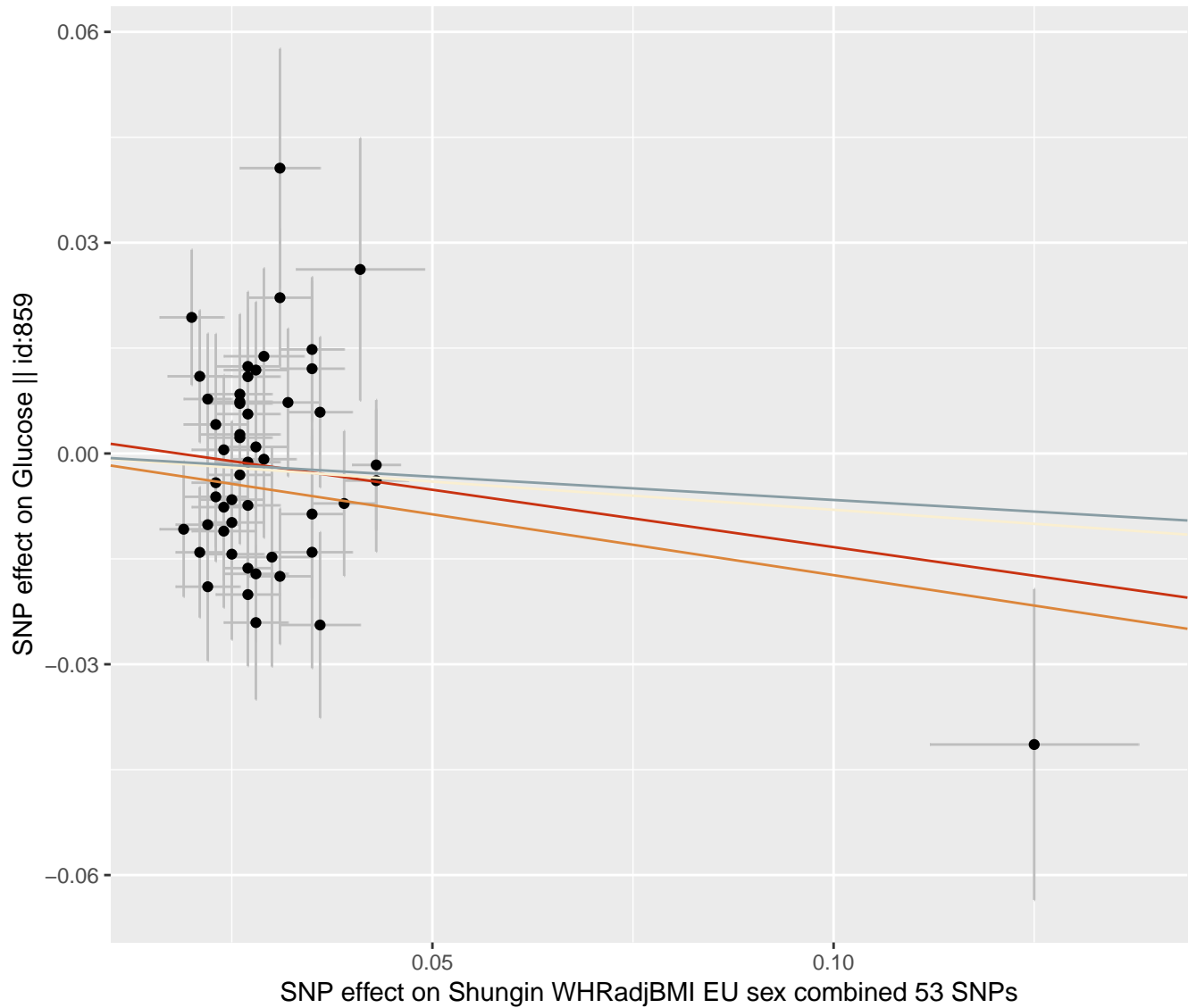
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



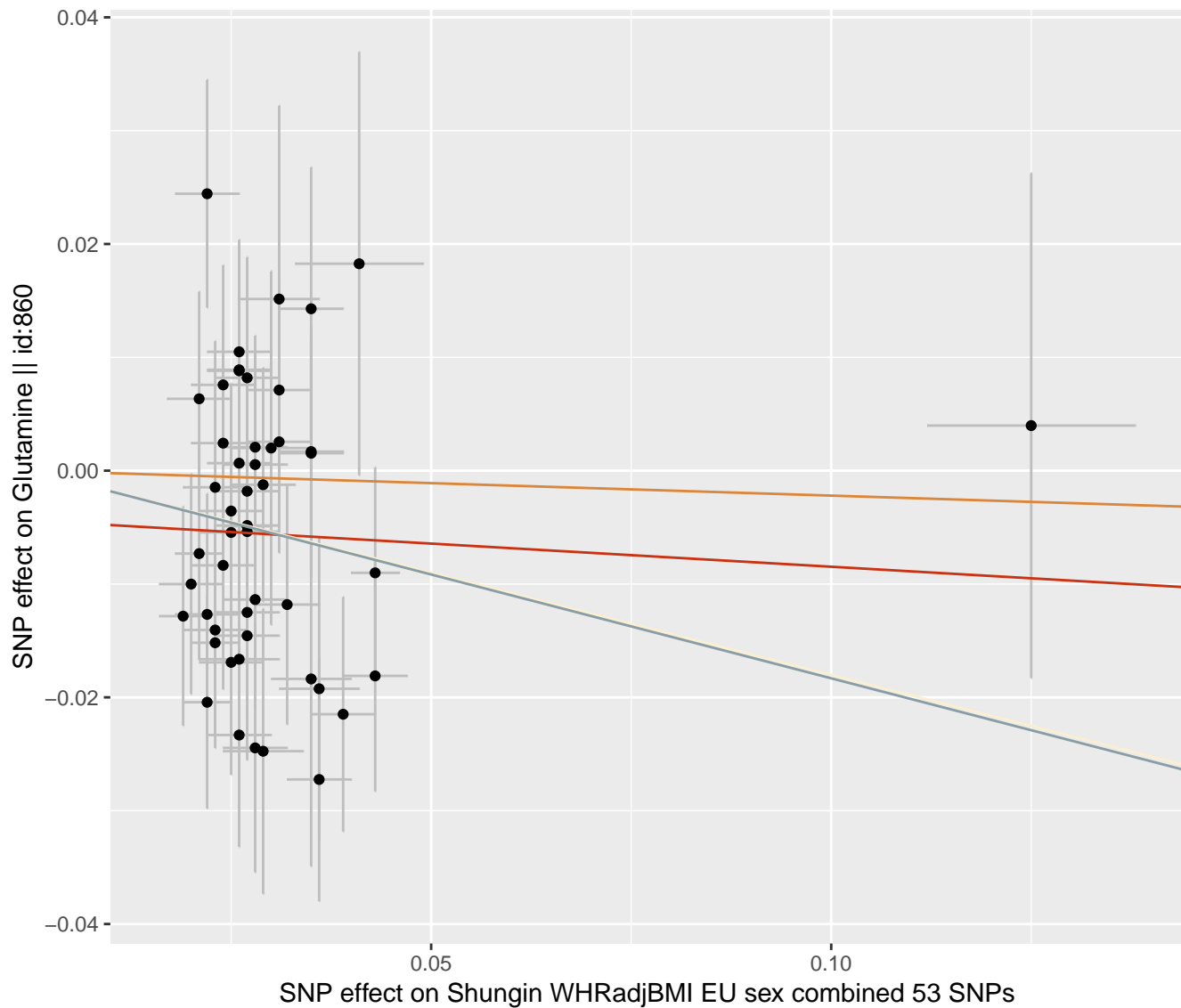
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



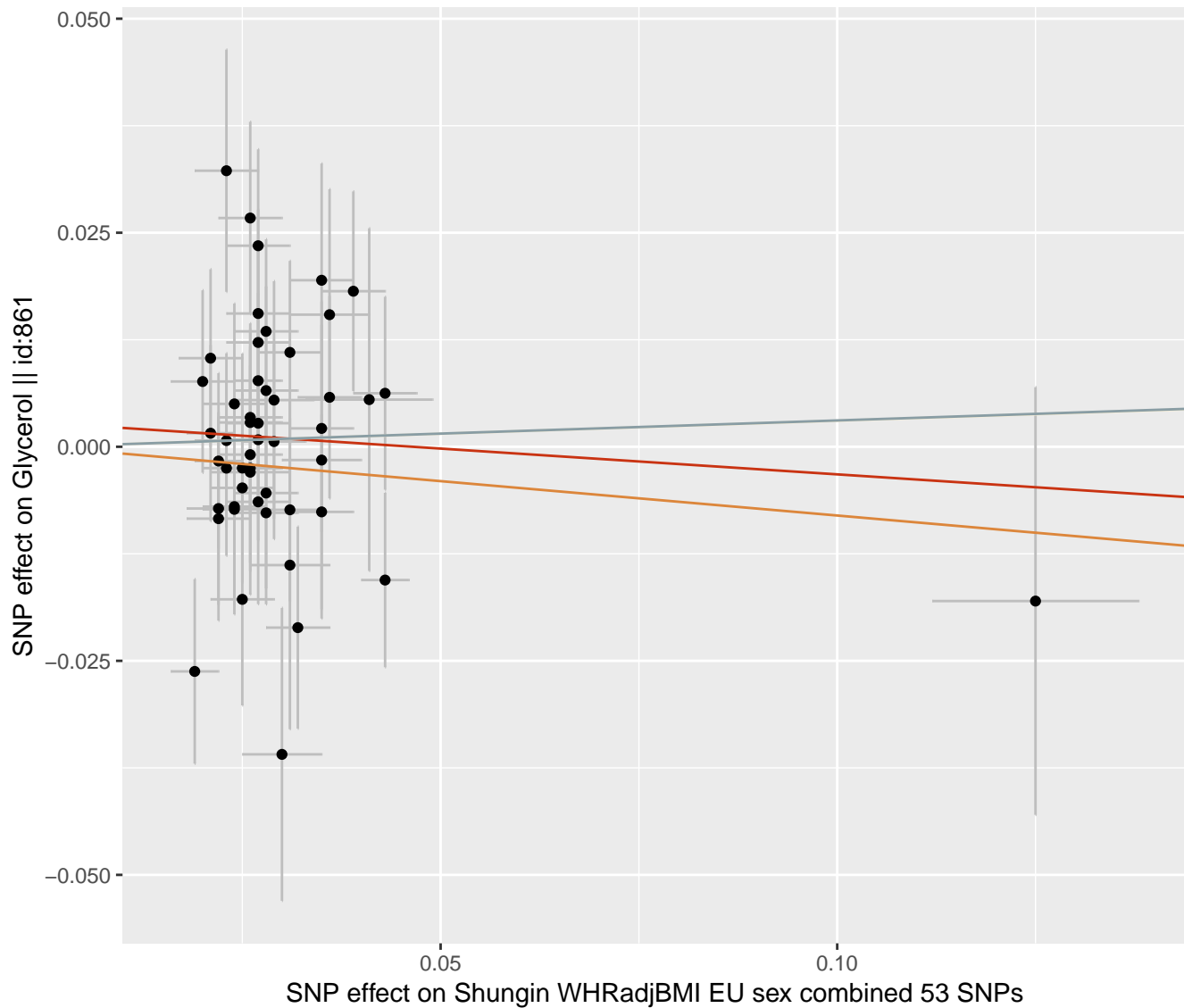
MR Egger



Weighted median



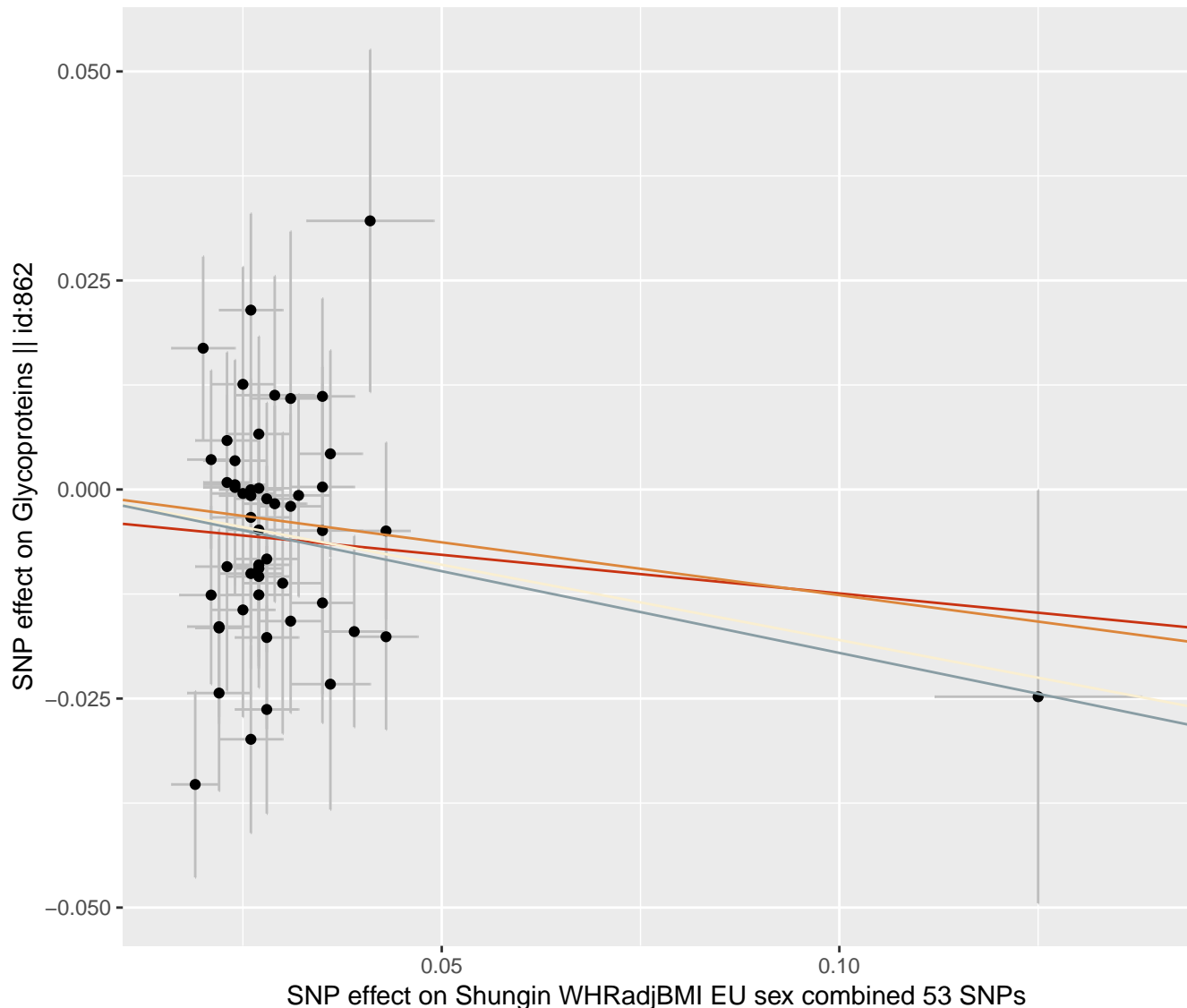
Weighted mode





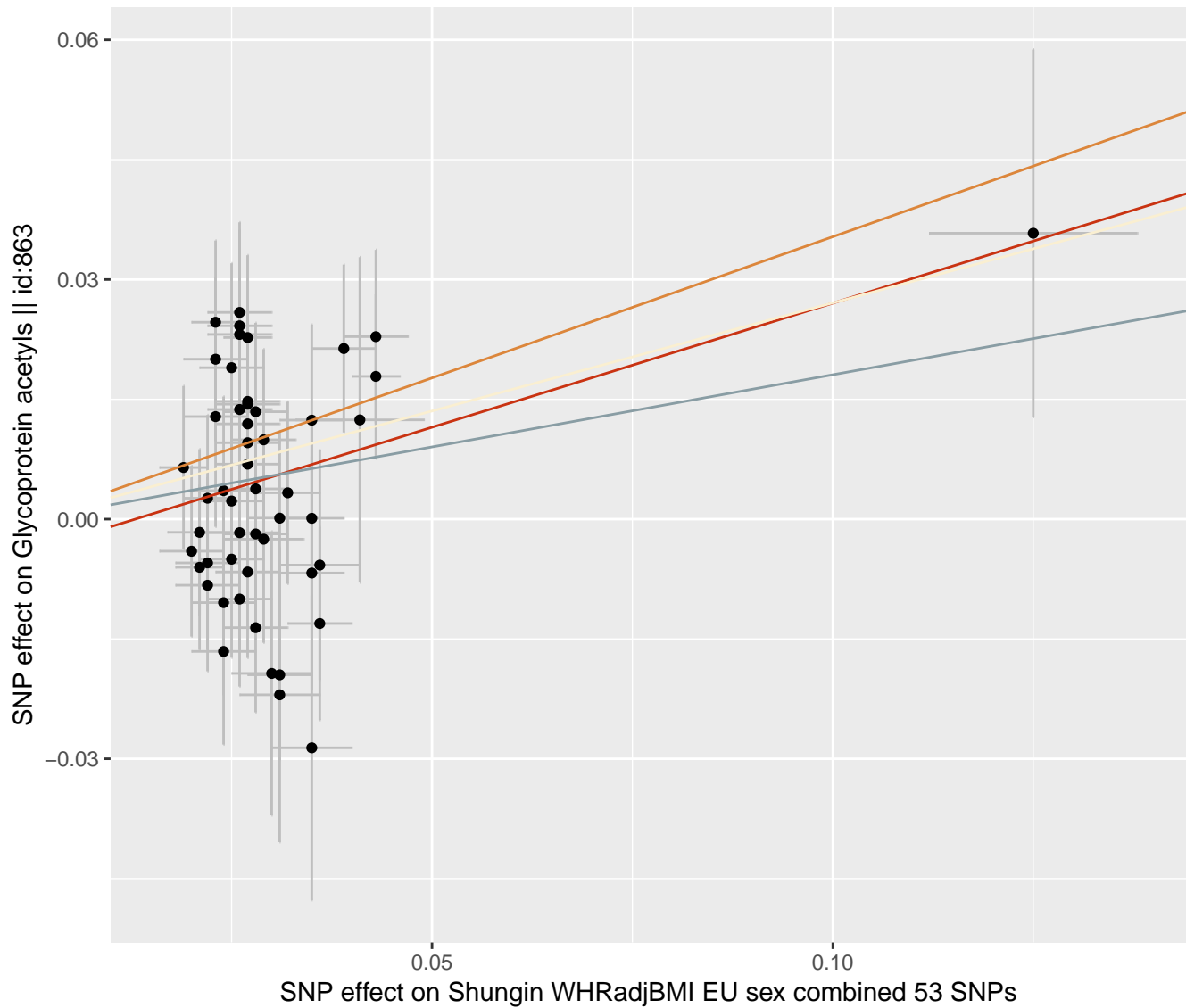
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



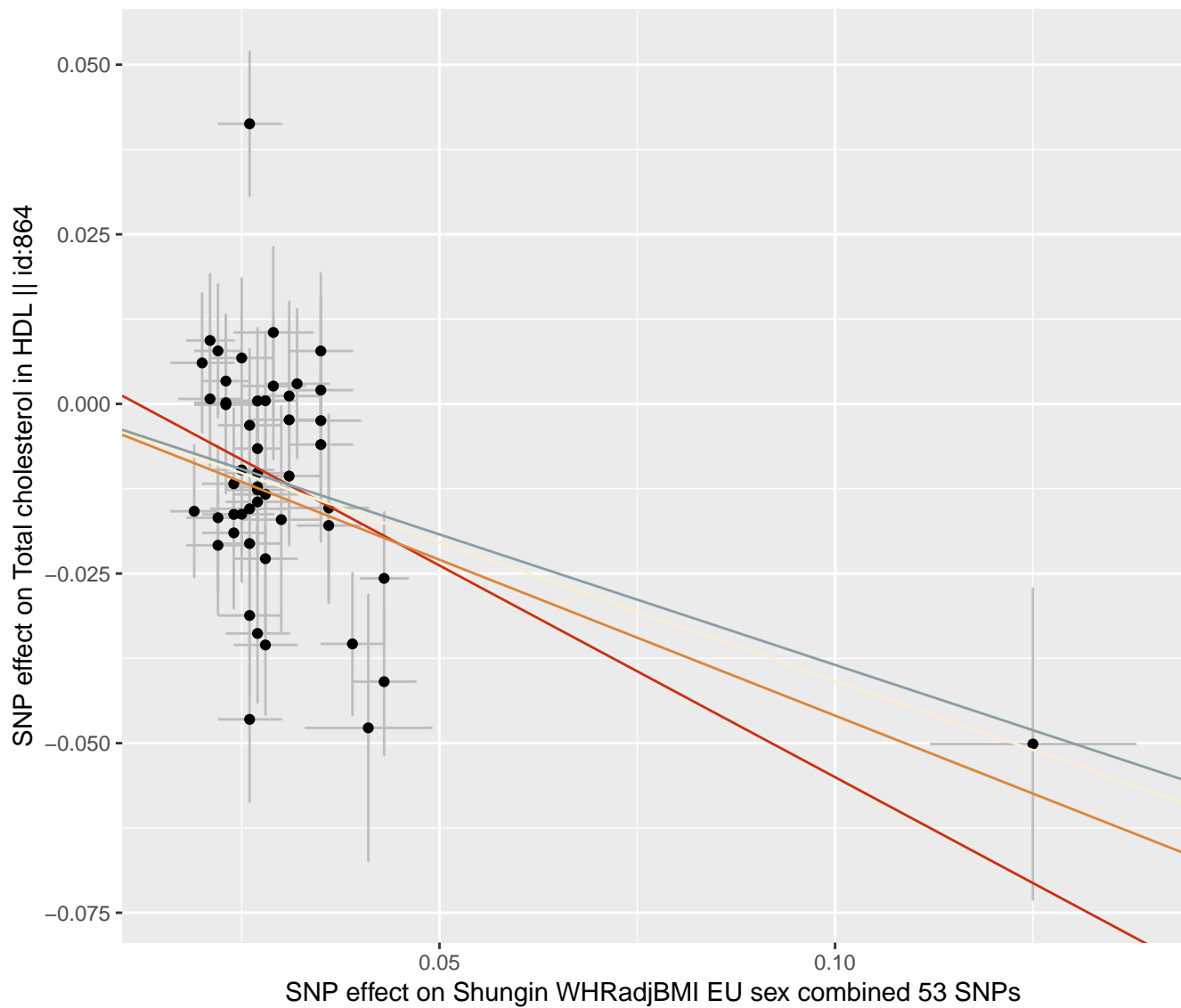
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

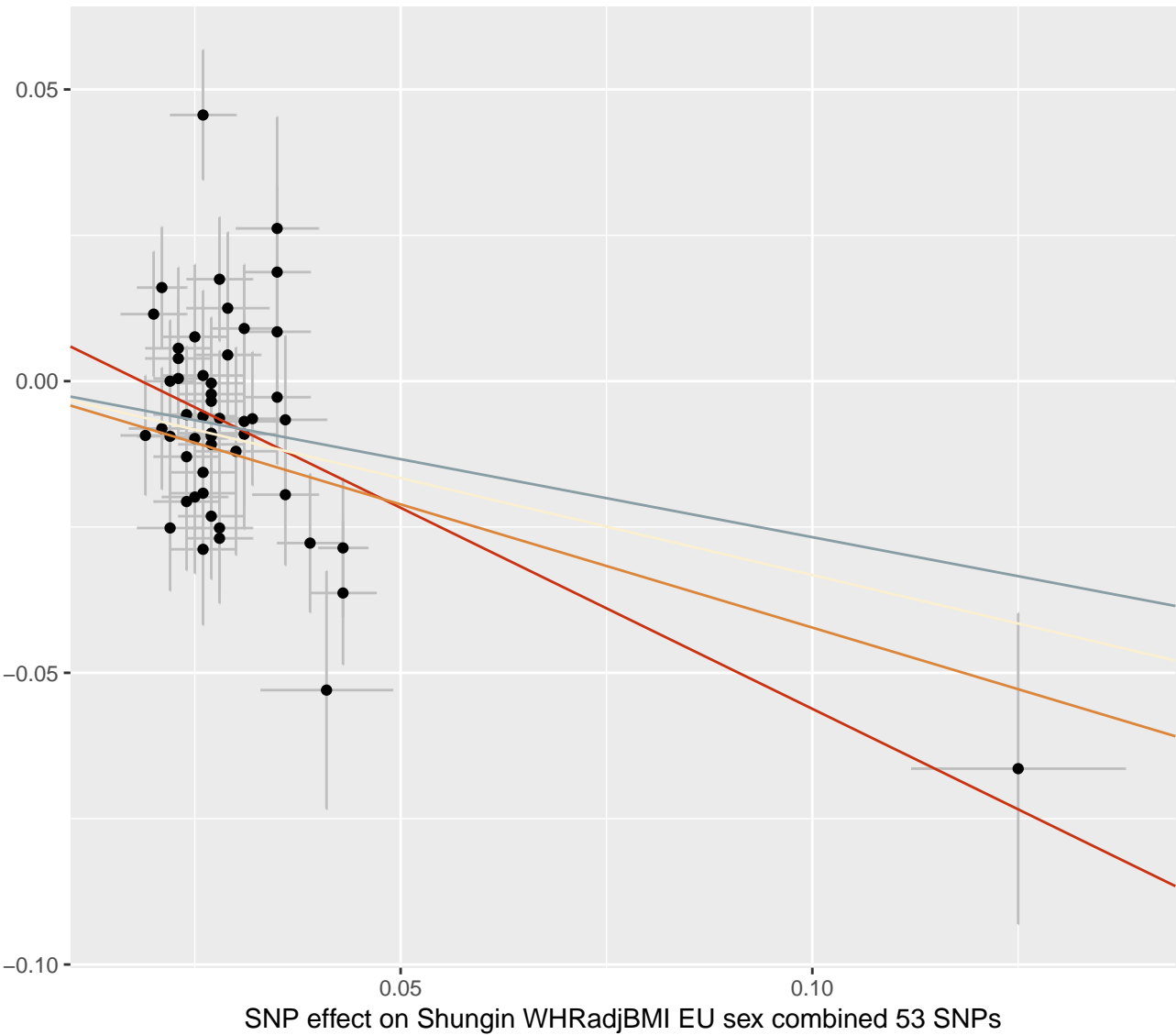
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

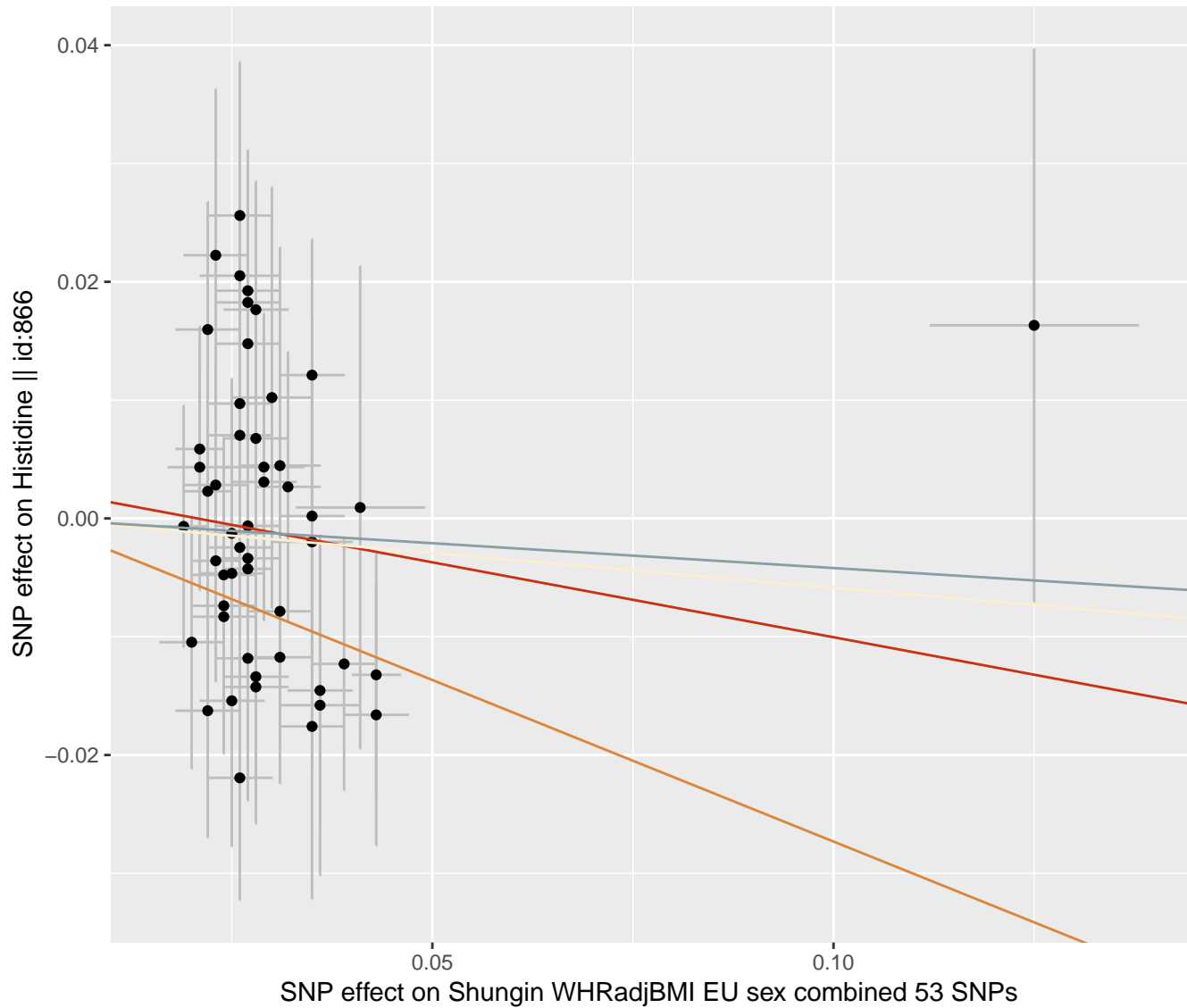
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Mean diameter for HDL particles || id:865



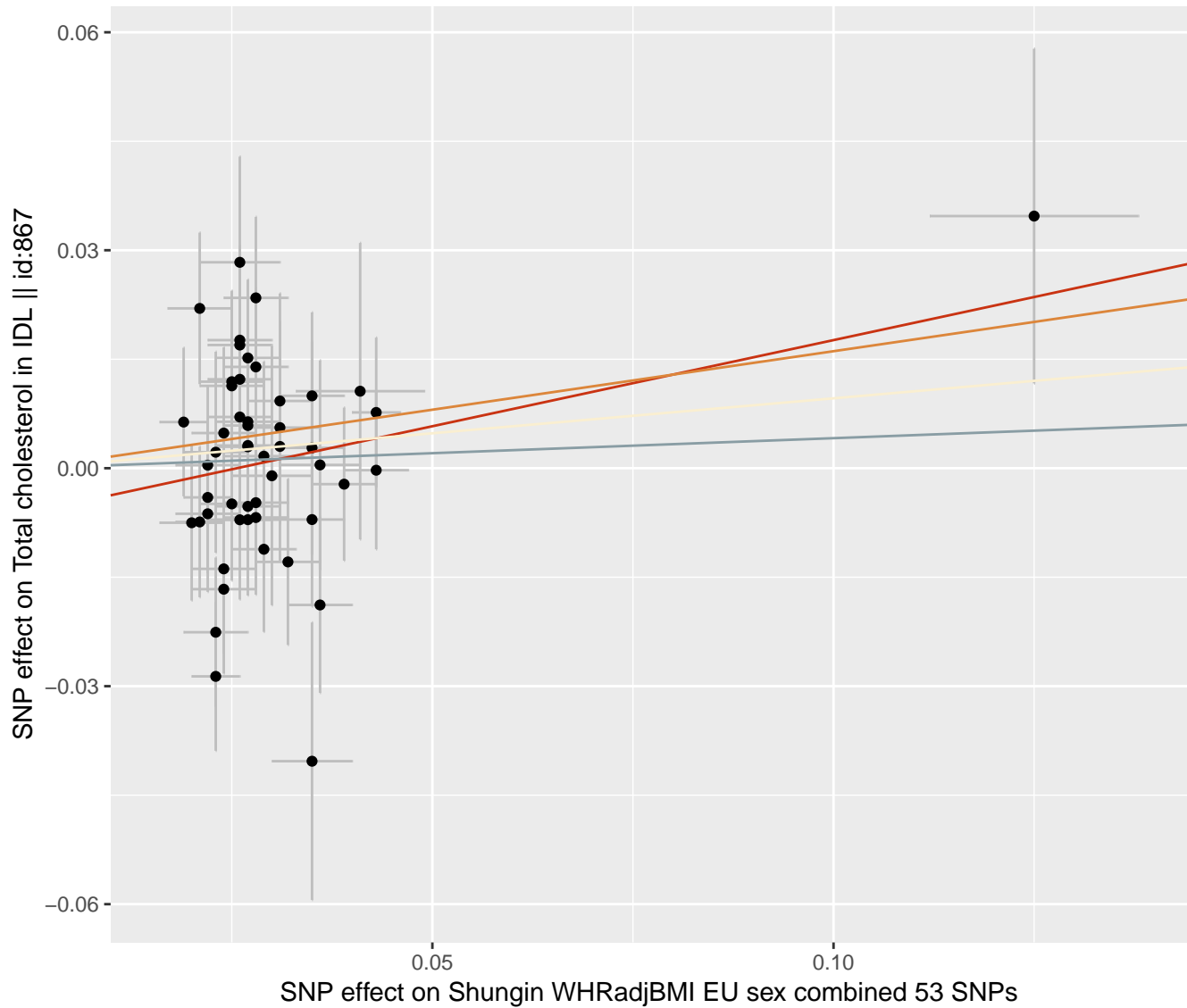
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

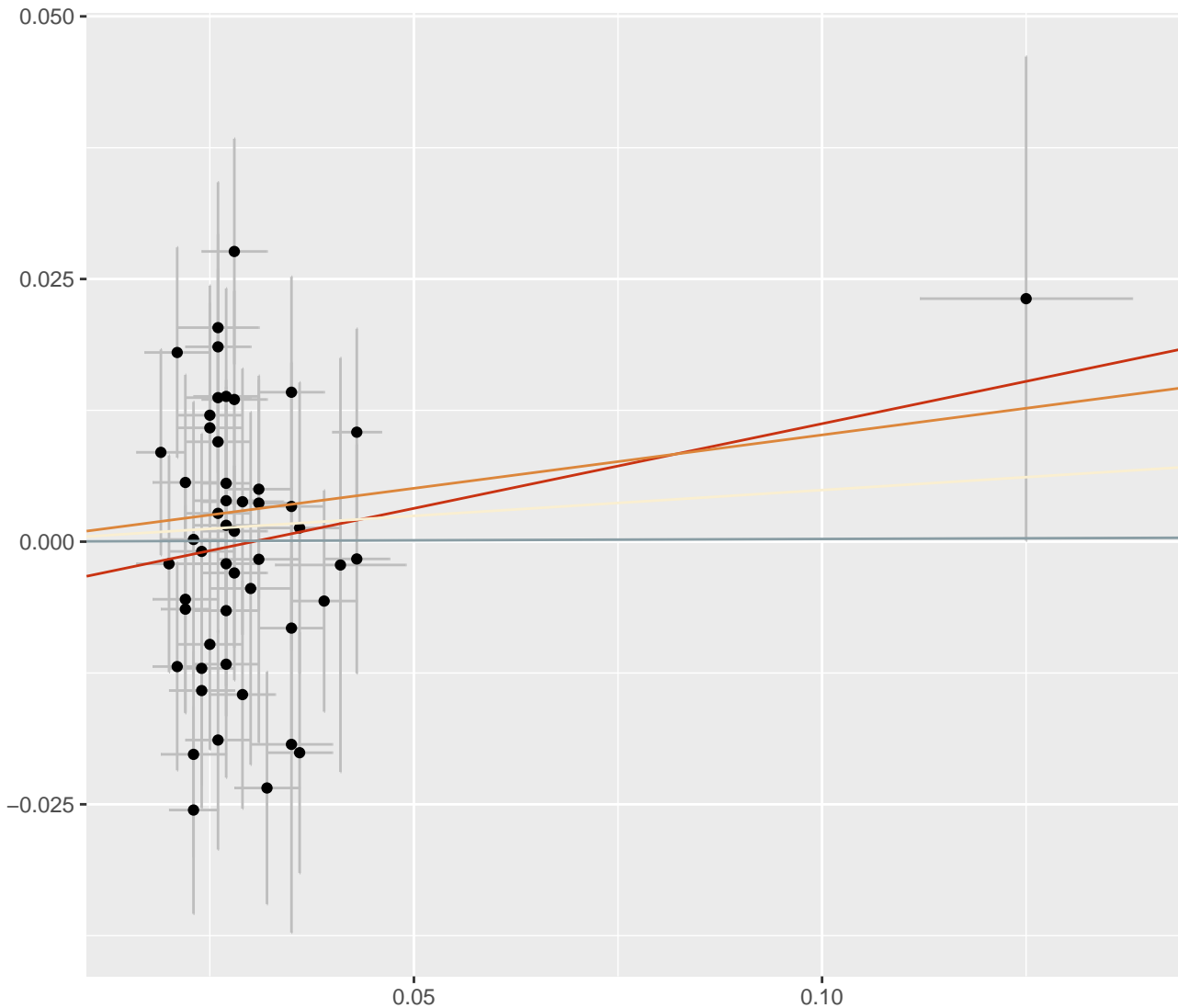
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

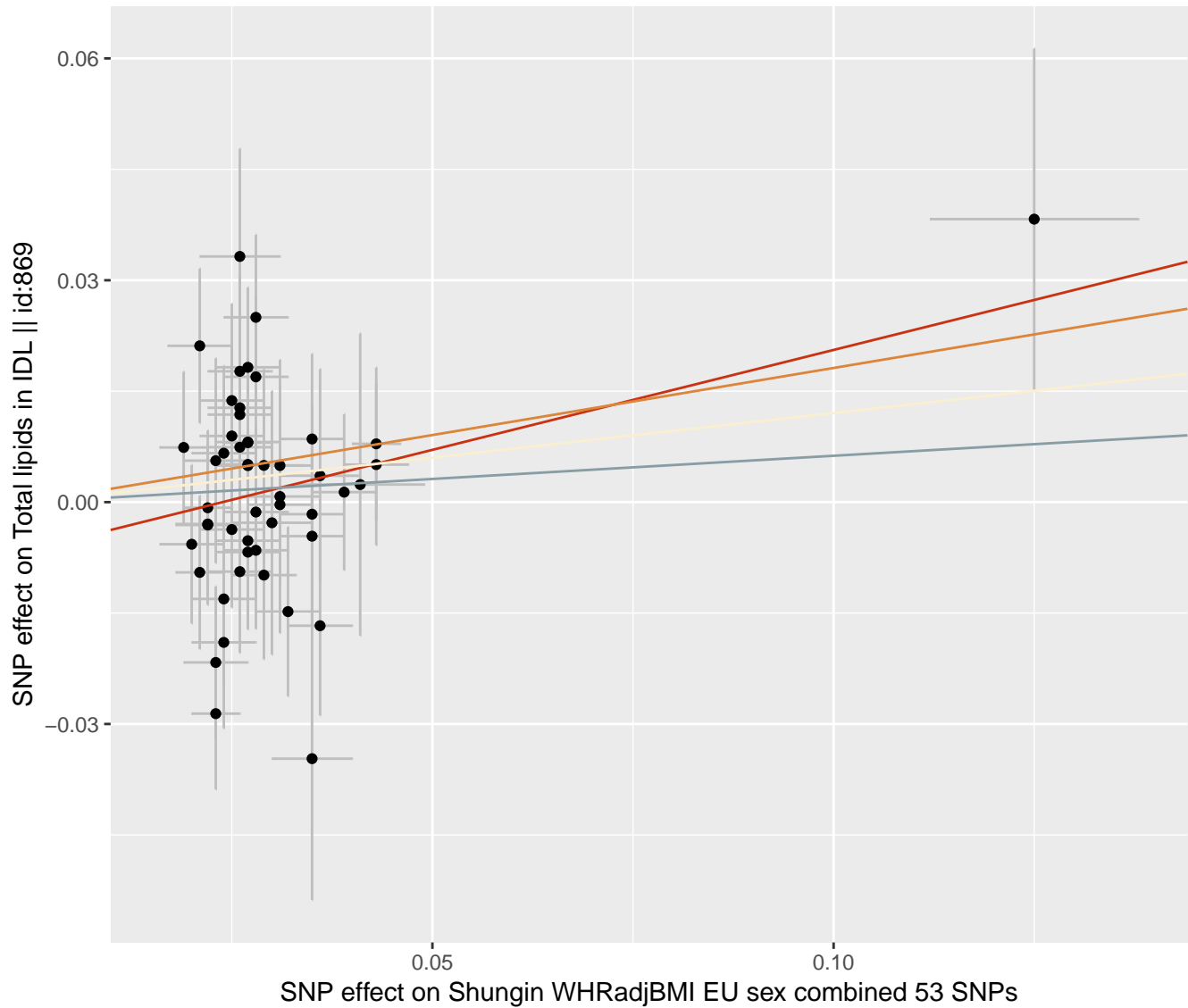
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Free cholesterol in IDL || id:868



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode





# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

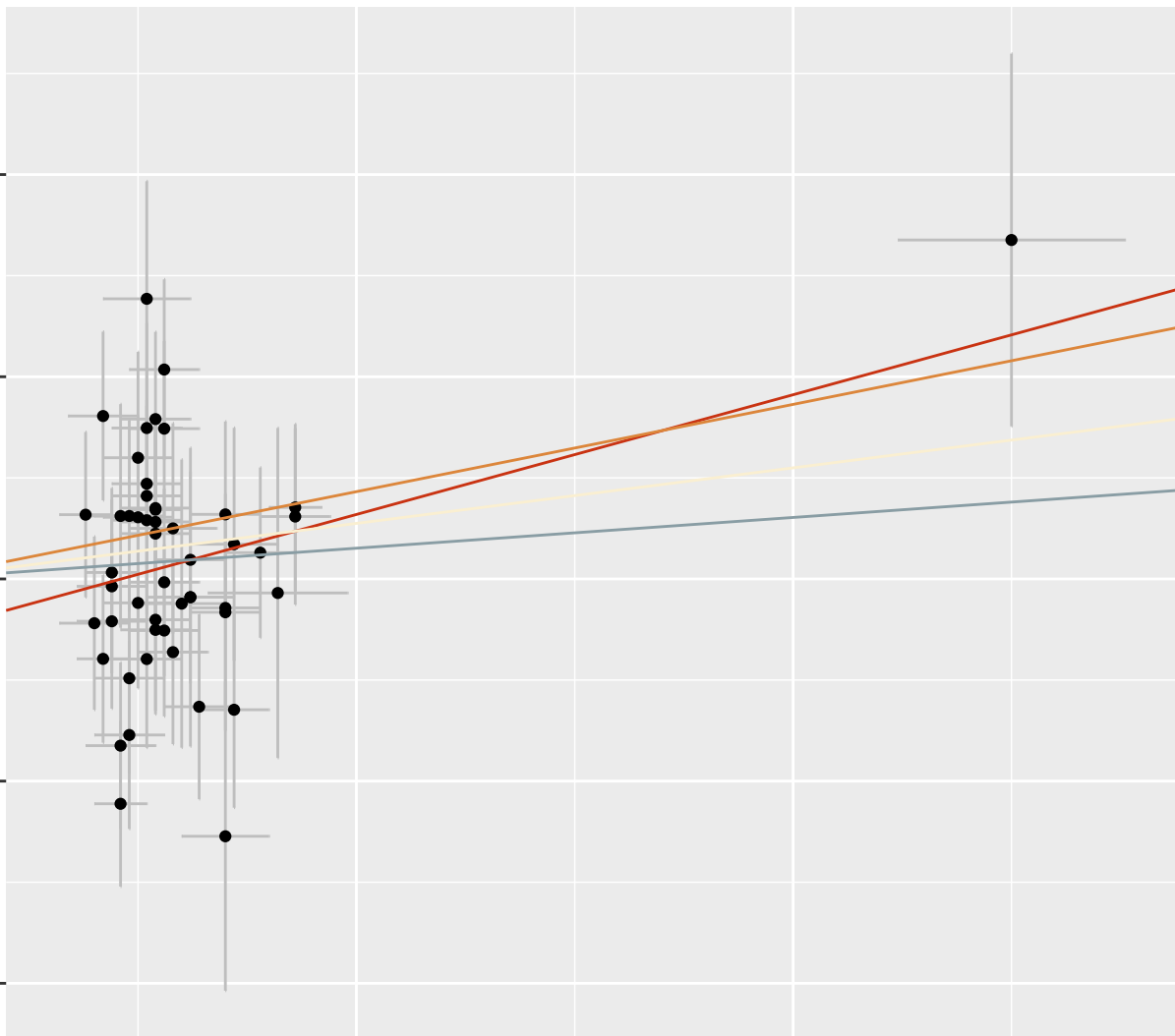
SNP effect on Concentration of LDL particles || id:870

0.050  
0.025  
0.000  
-0.025  
-0.050

0.05

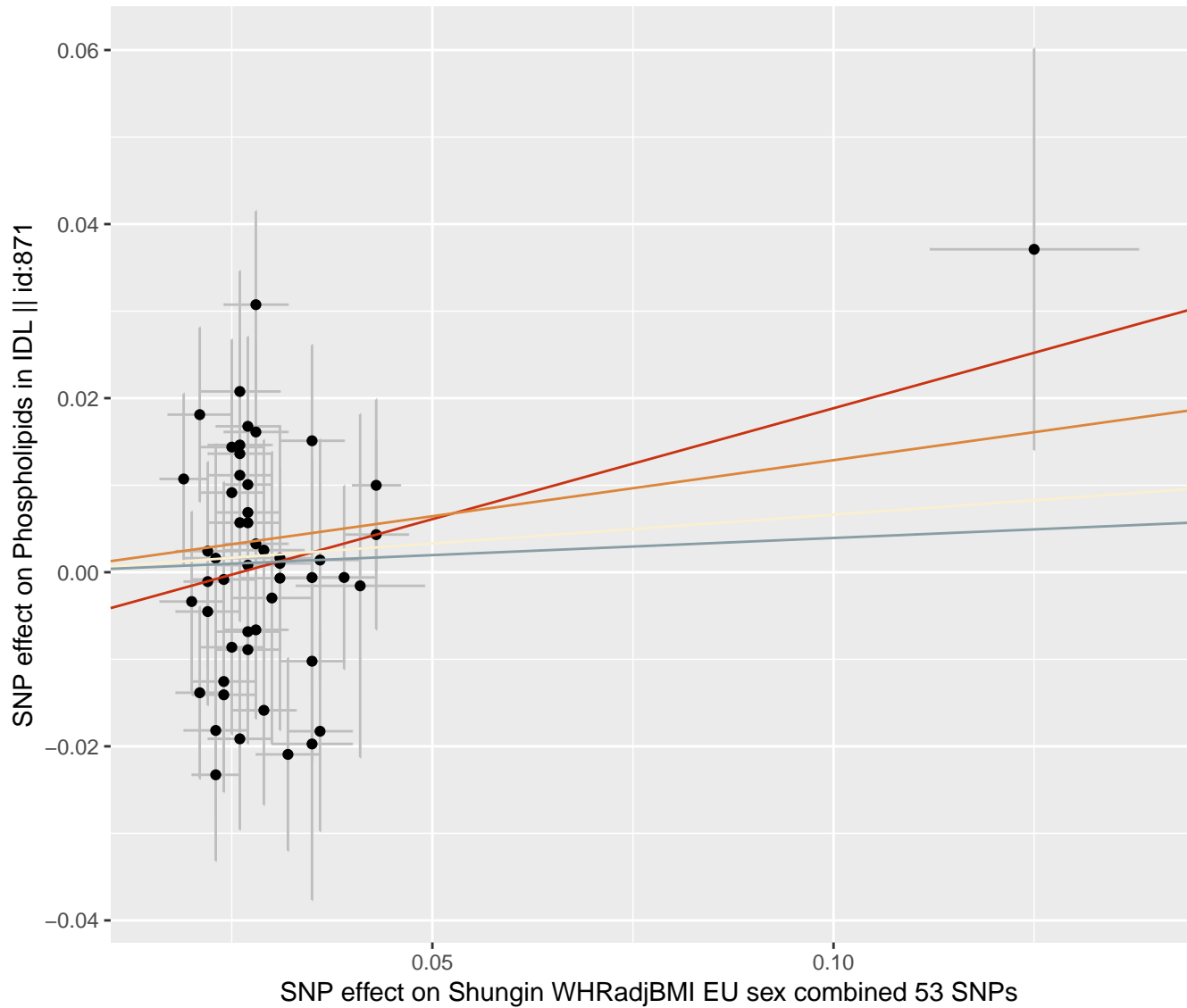
0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

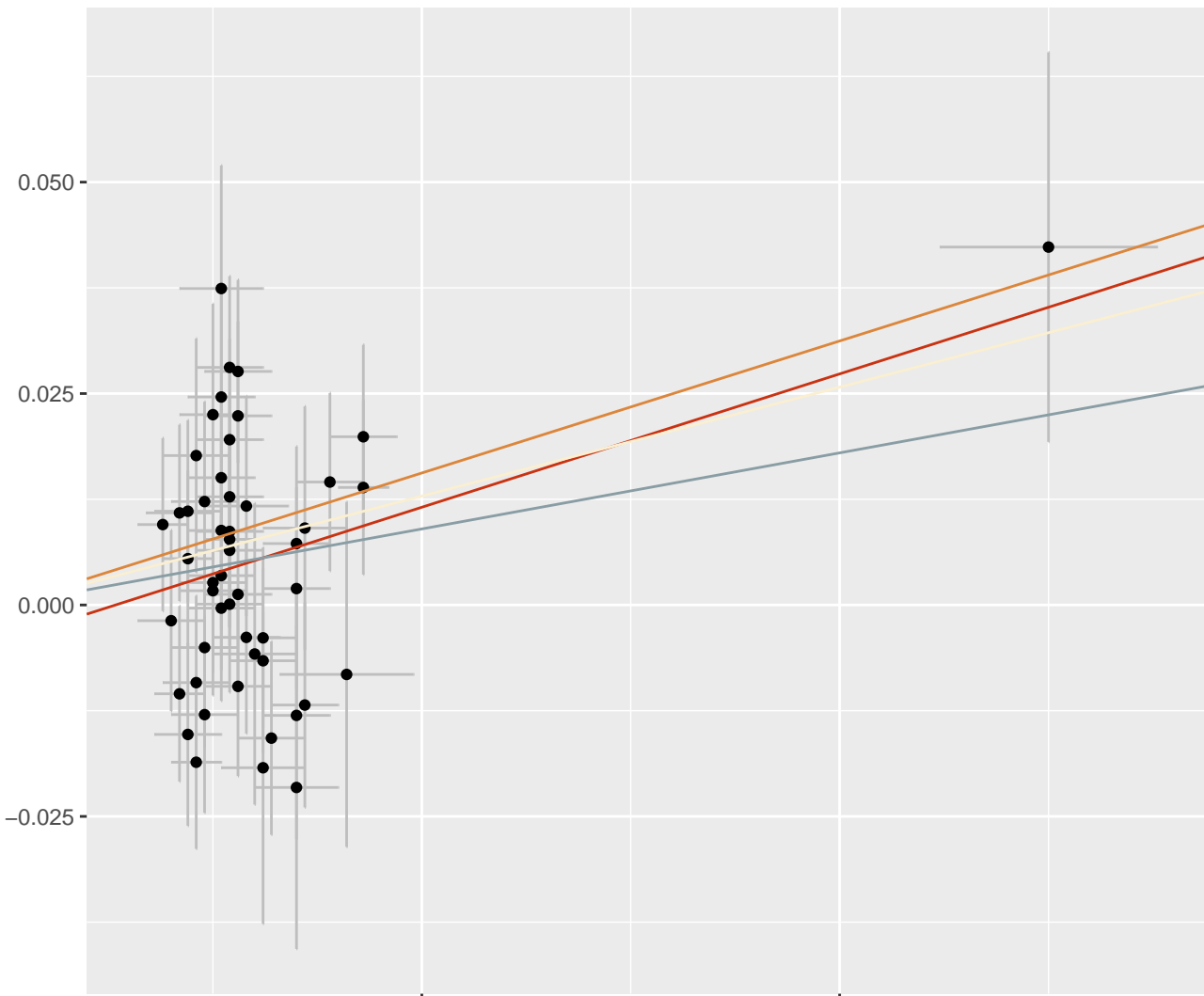
MR Egger



Weighted median

Weighted mode

SNP effect on Triglycerides in IDL || id:872



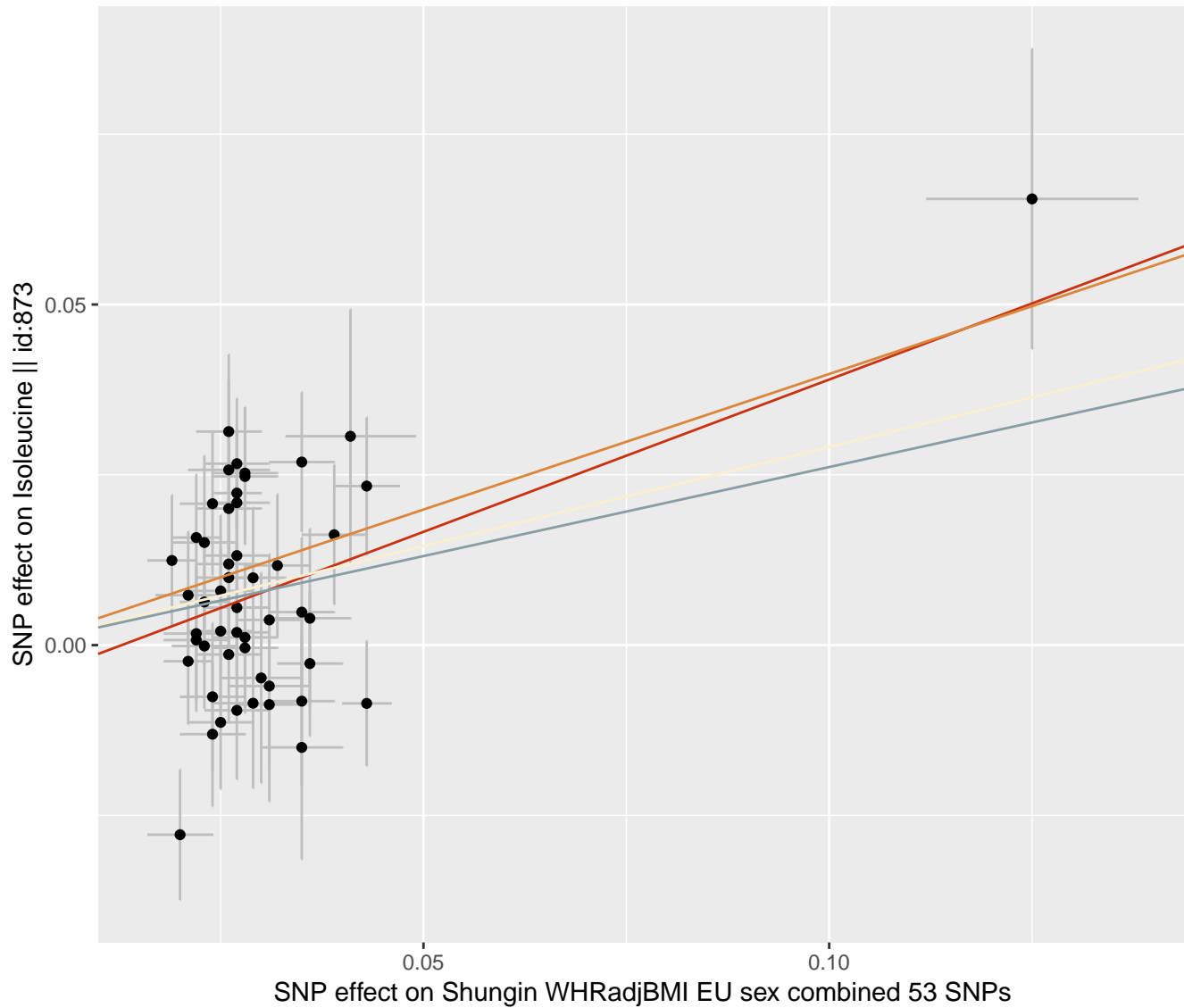
0.05

0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs

# MR Test

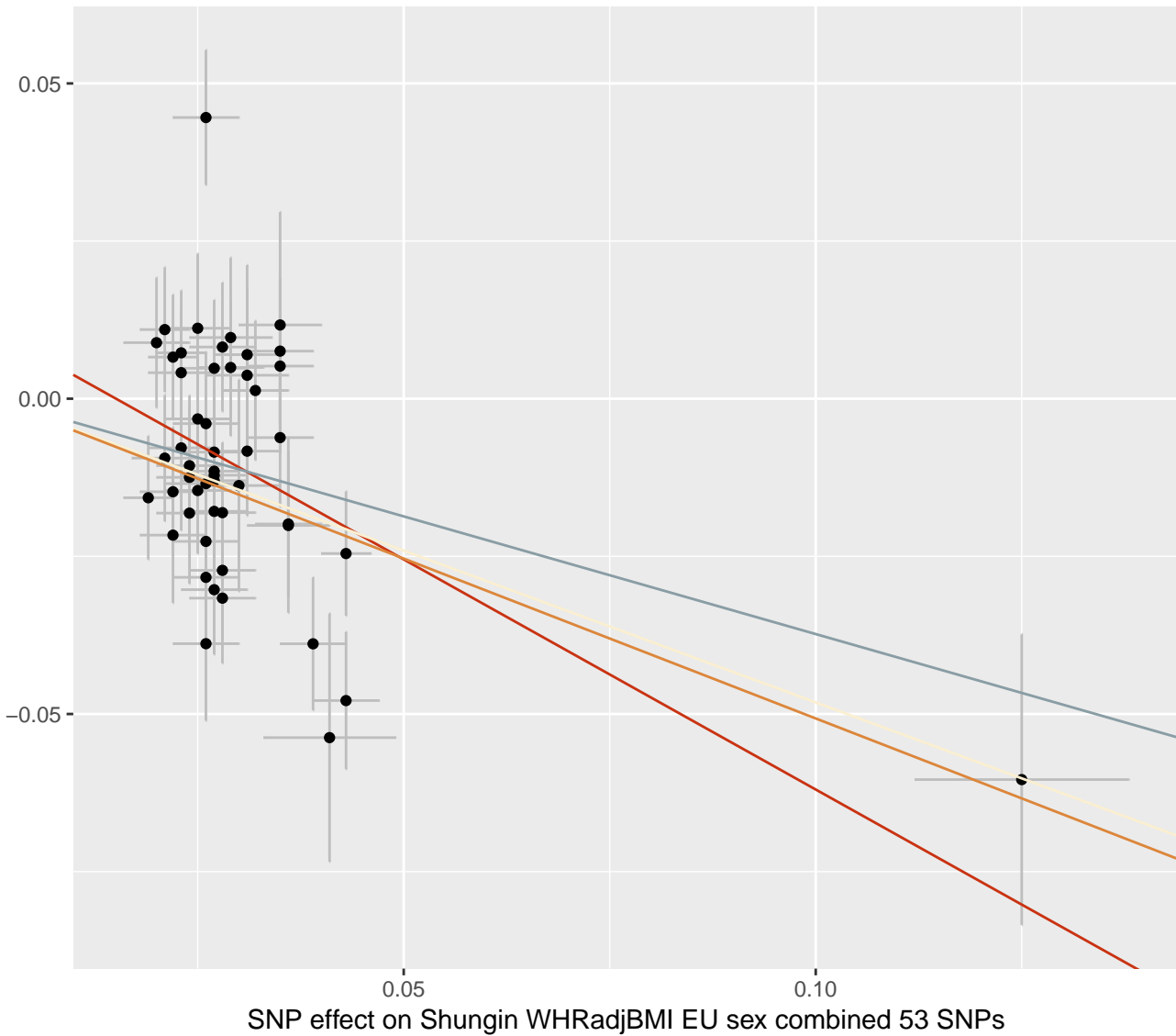
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

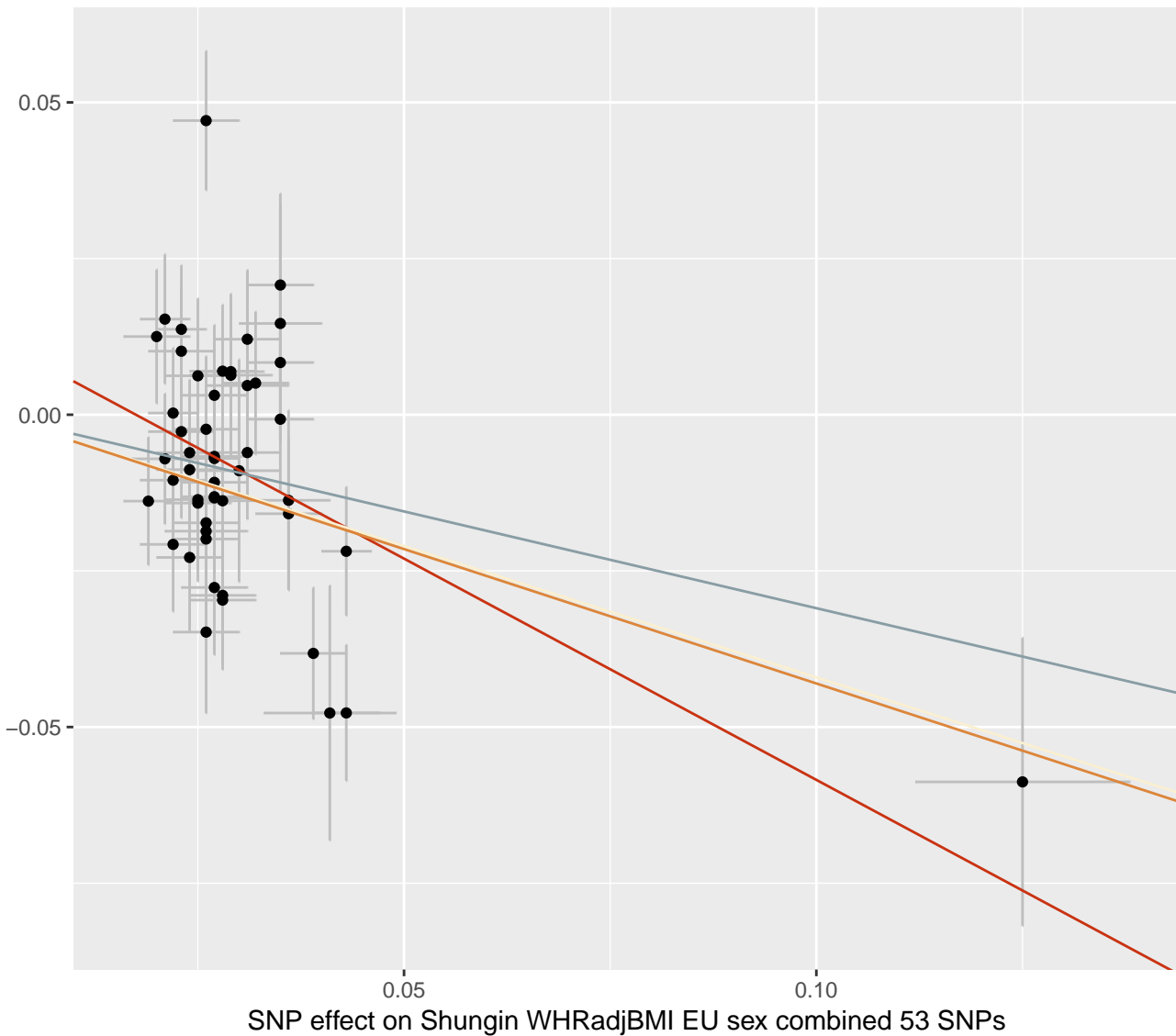
SNP effect on Total cholesterol in large HDL || id:874



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

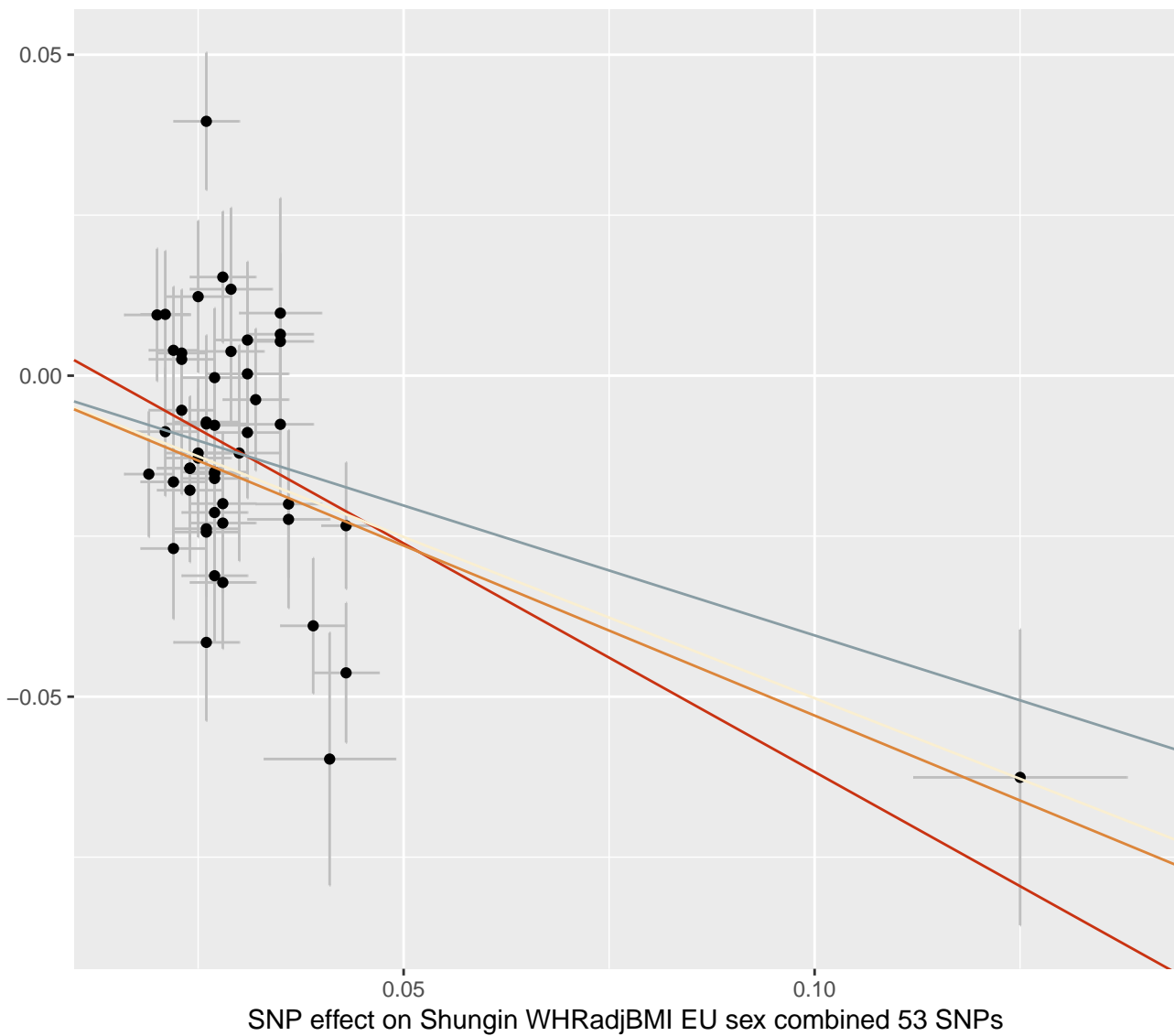
SNP effect on Cholesterol esters in large HDL || id:875



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

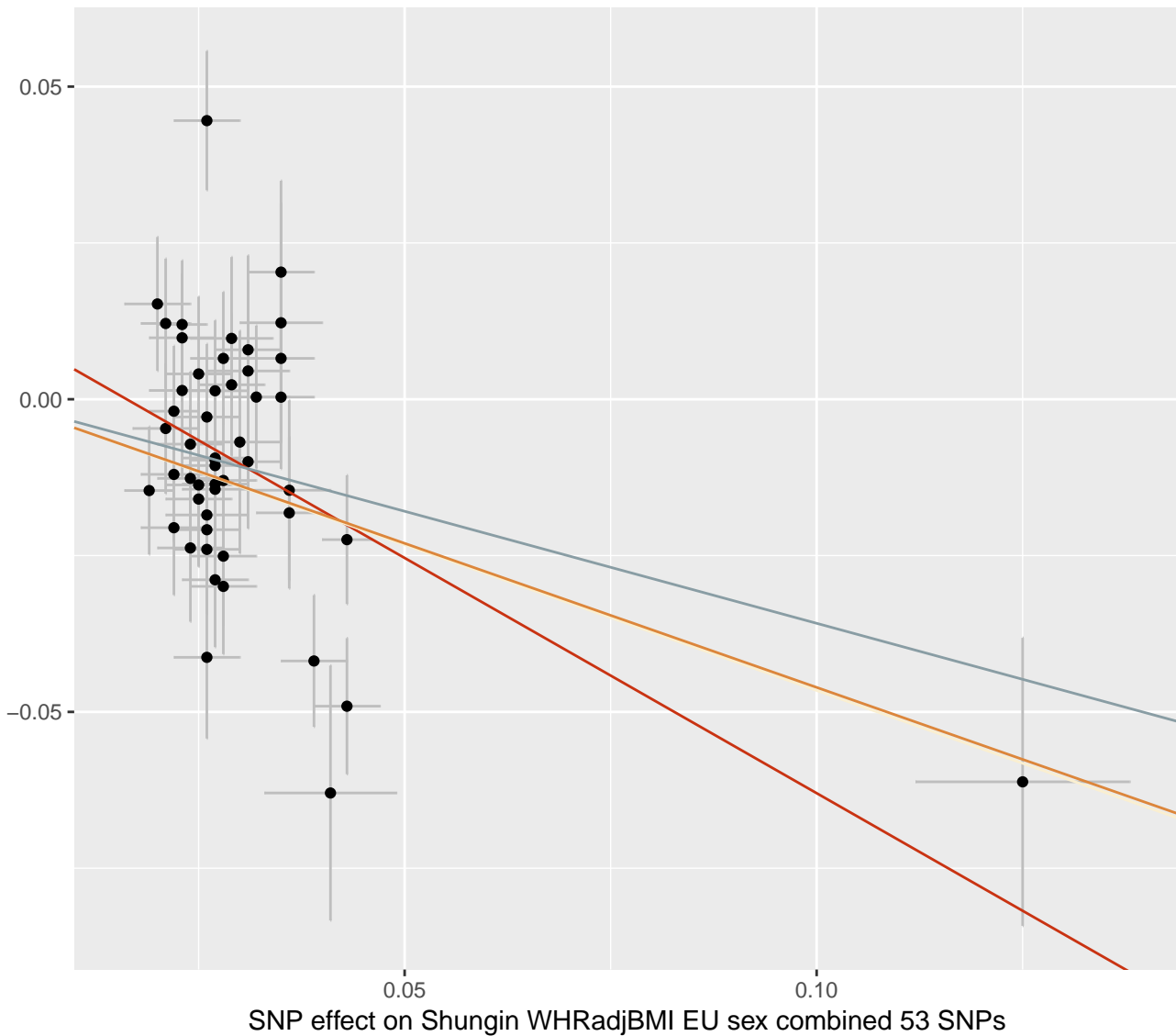
SNP effect on Free cholesterol in large HDL || id:876



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total lipids in large HDL || id:877

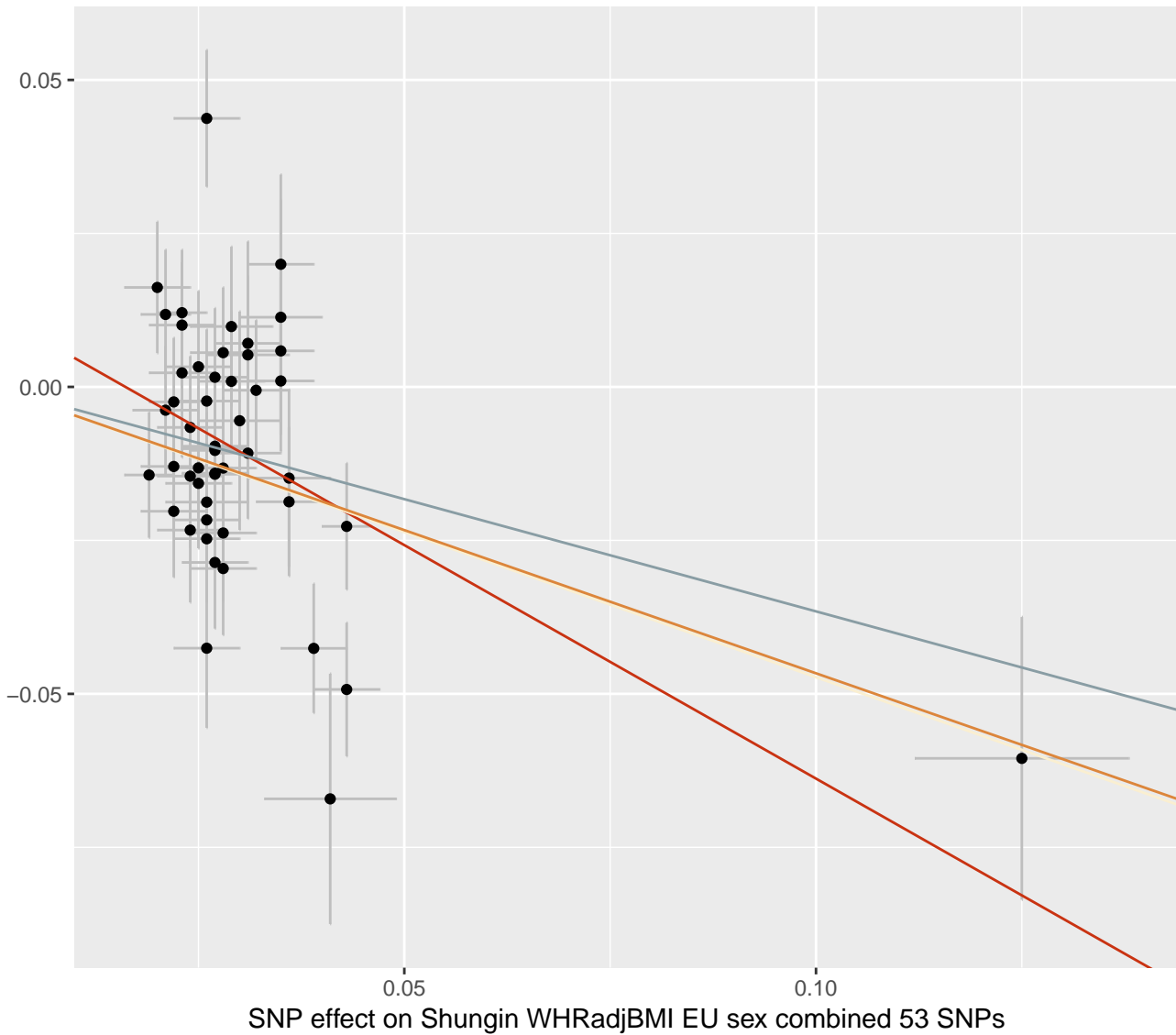




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

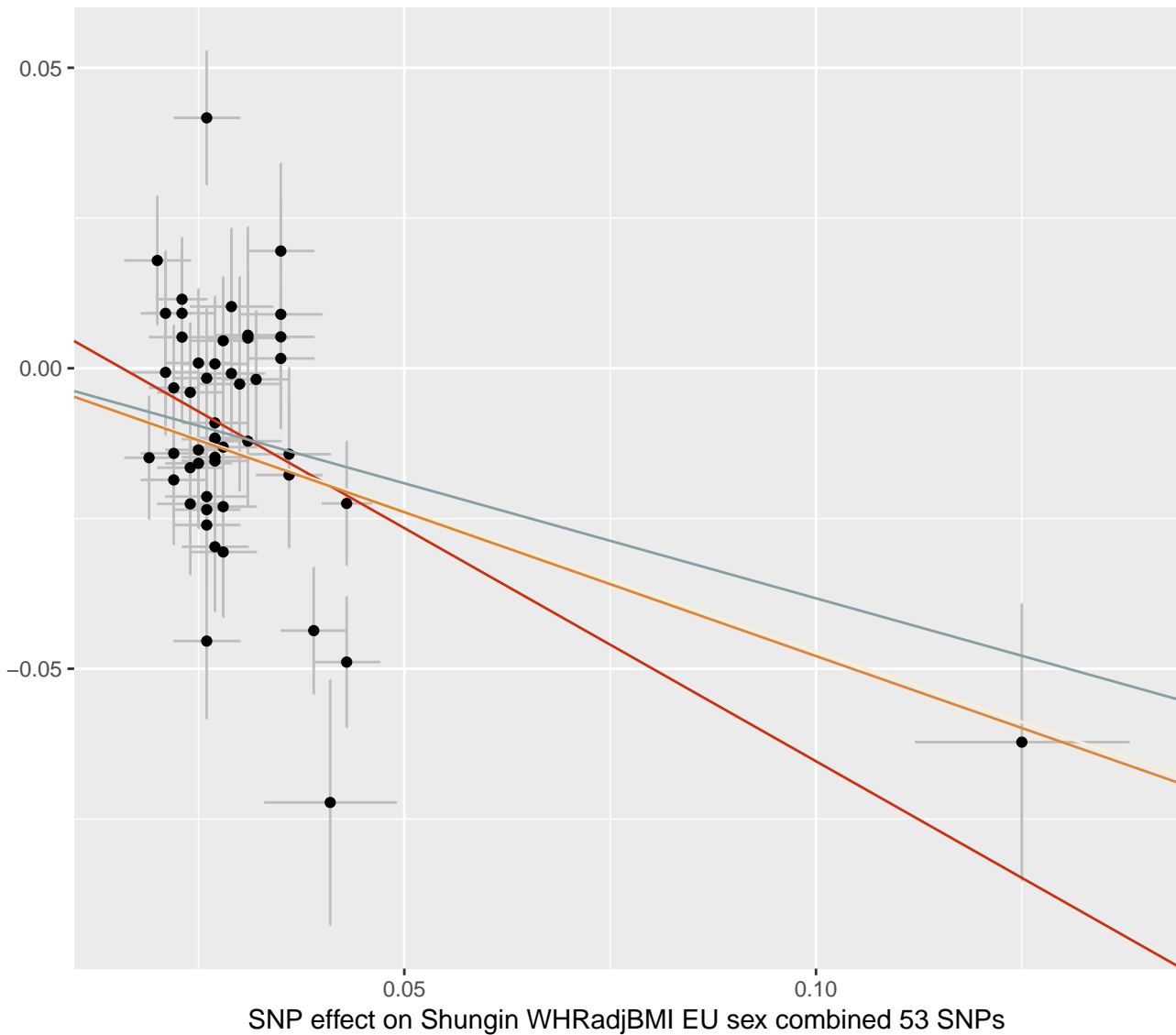
SNP effect on Concentration of large HDL particles || id:878



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

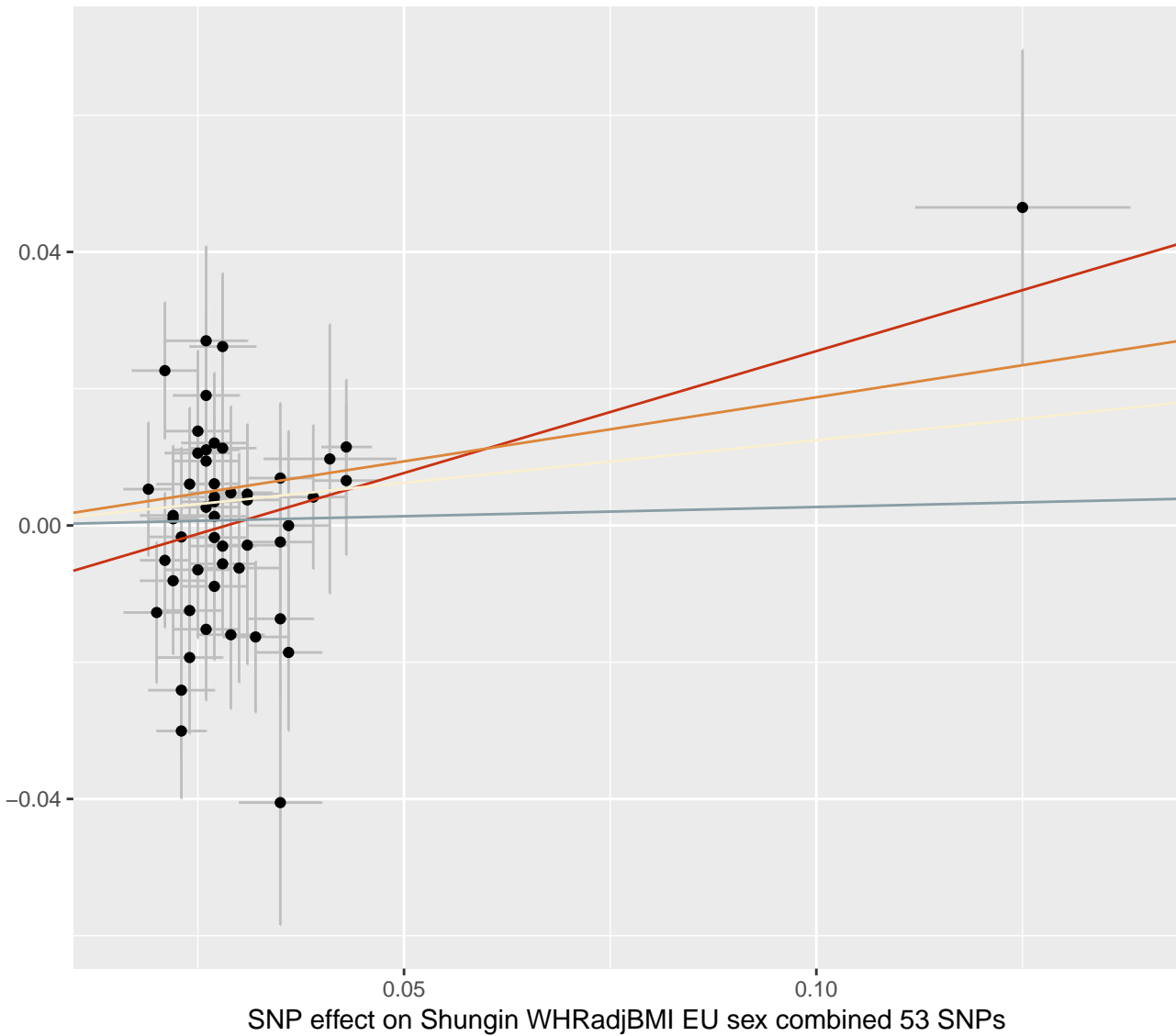
SNP effect on Phospholipids in large HDL || id:879



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

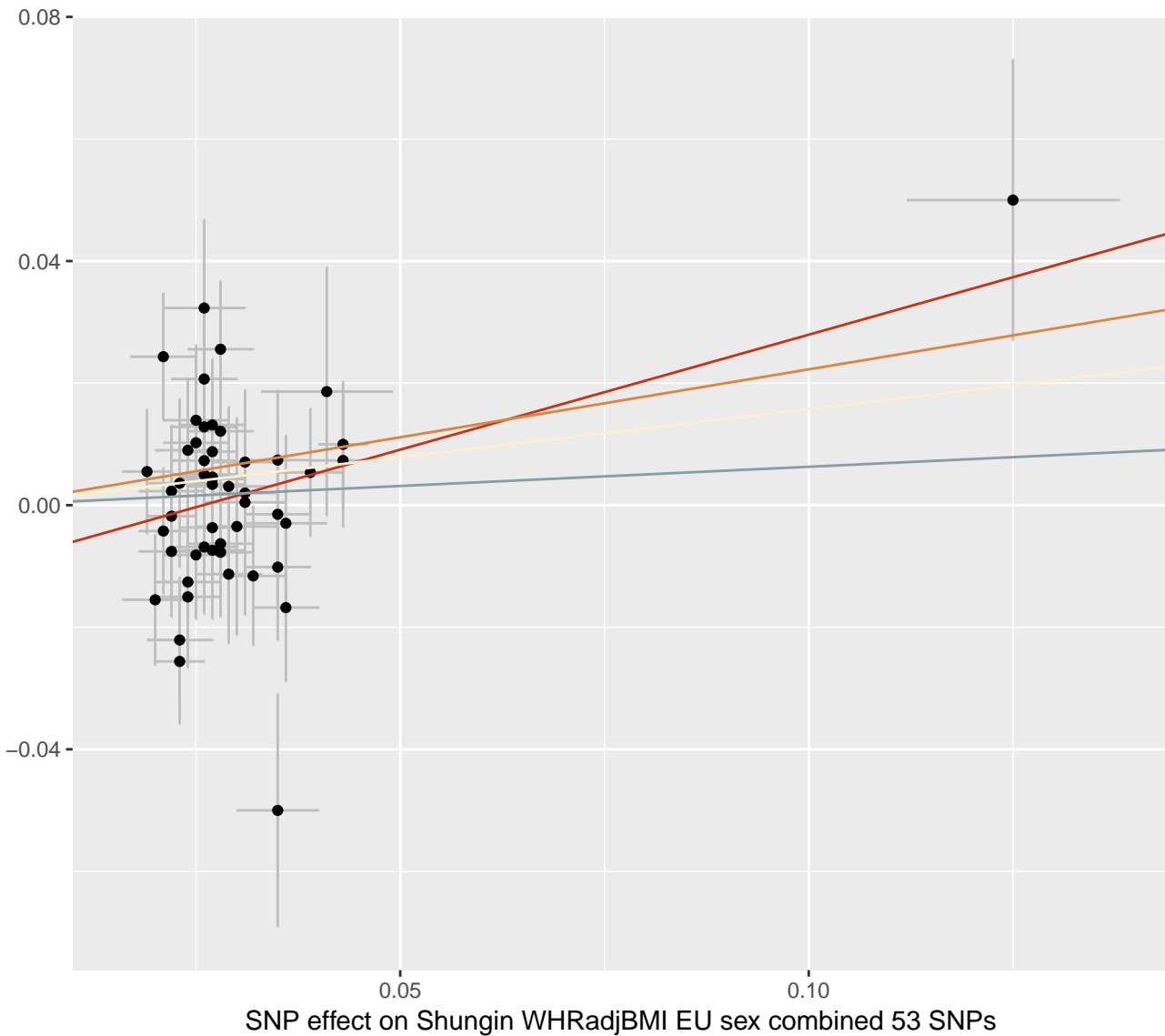
SNP effect on Total cholesterol in large LDL || id:880



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

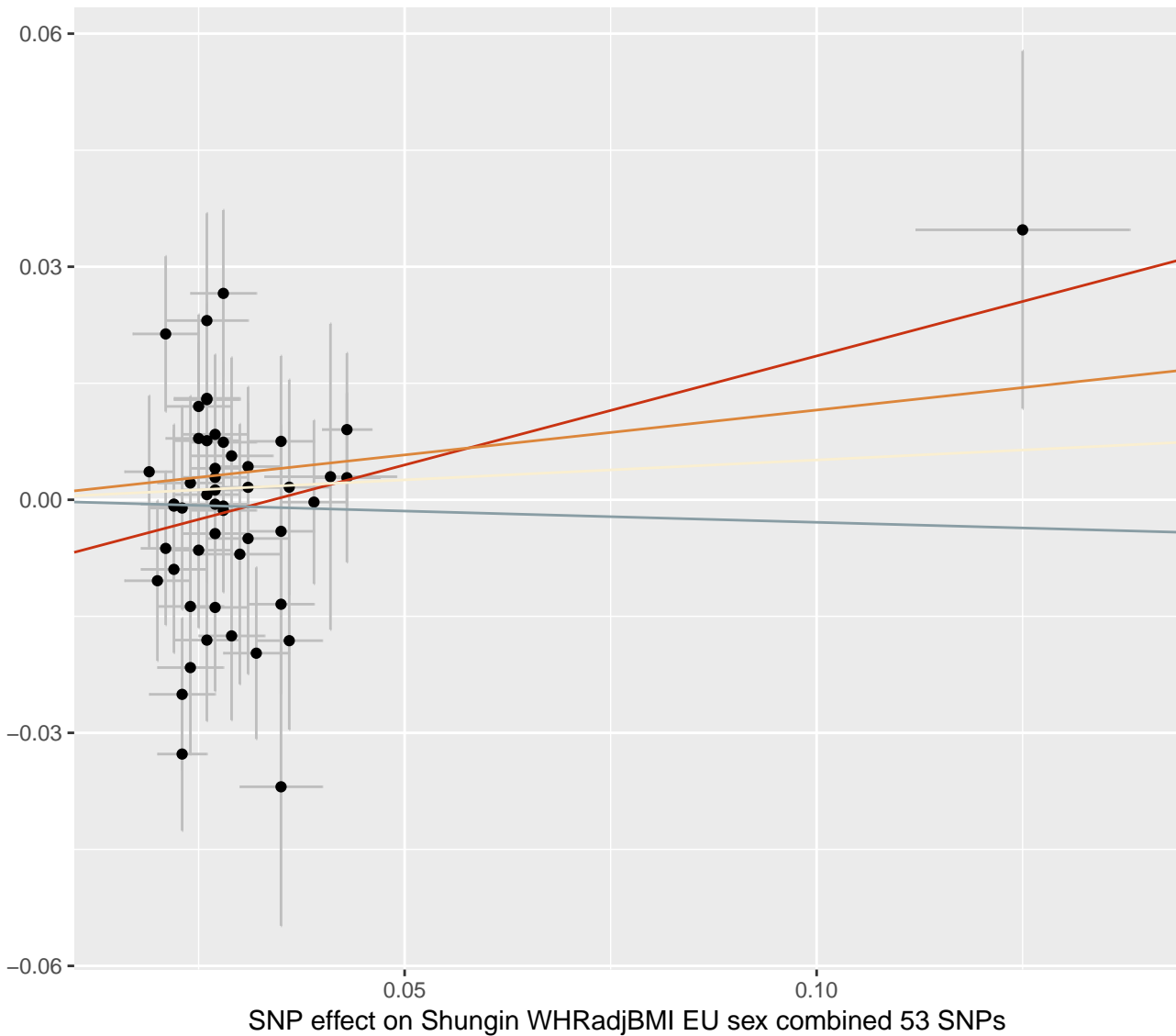
SNP effect on Cholesterol esters in large VLDL || id:881



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

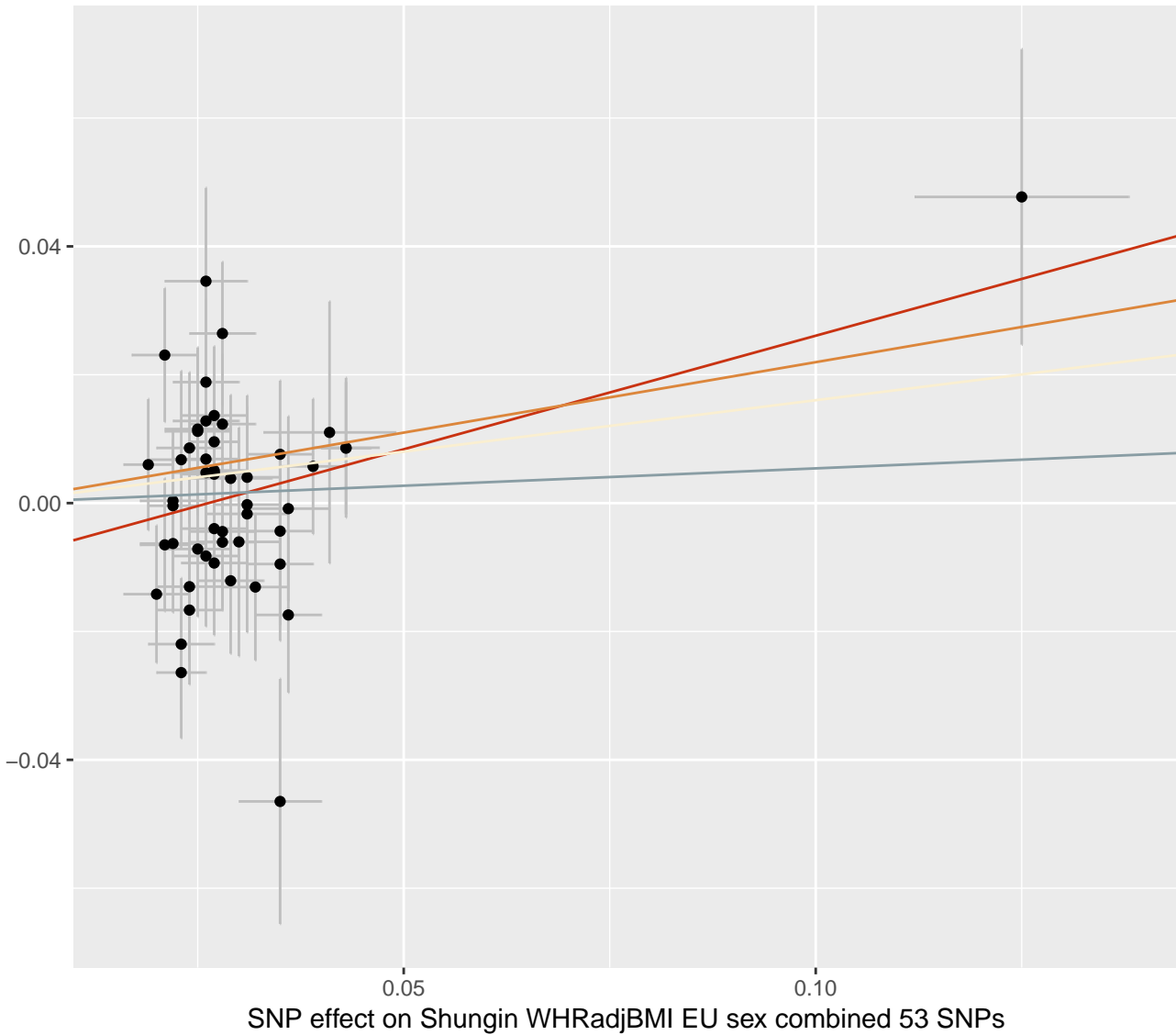
SNP effect on Free cholesterol in large LDL || id:882



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

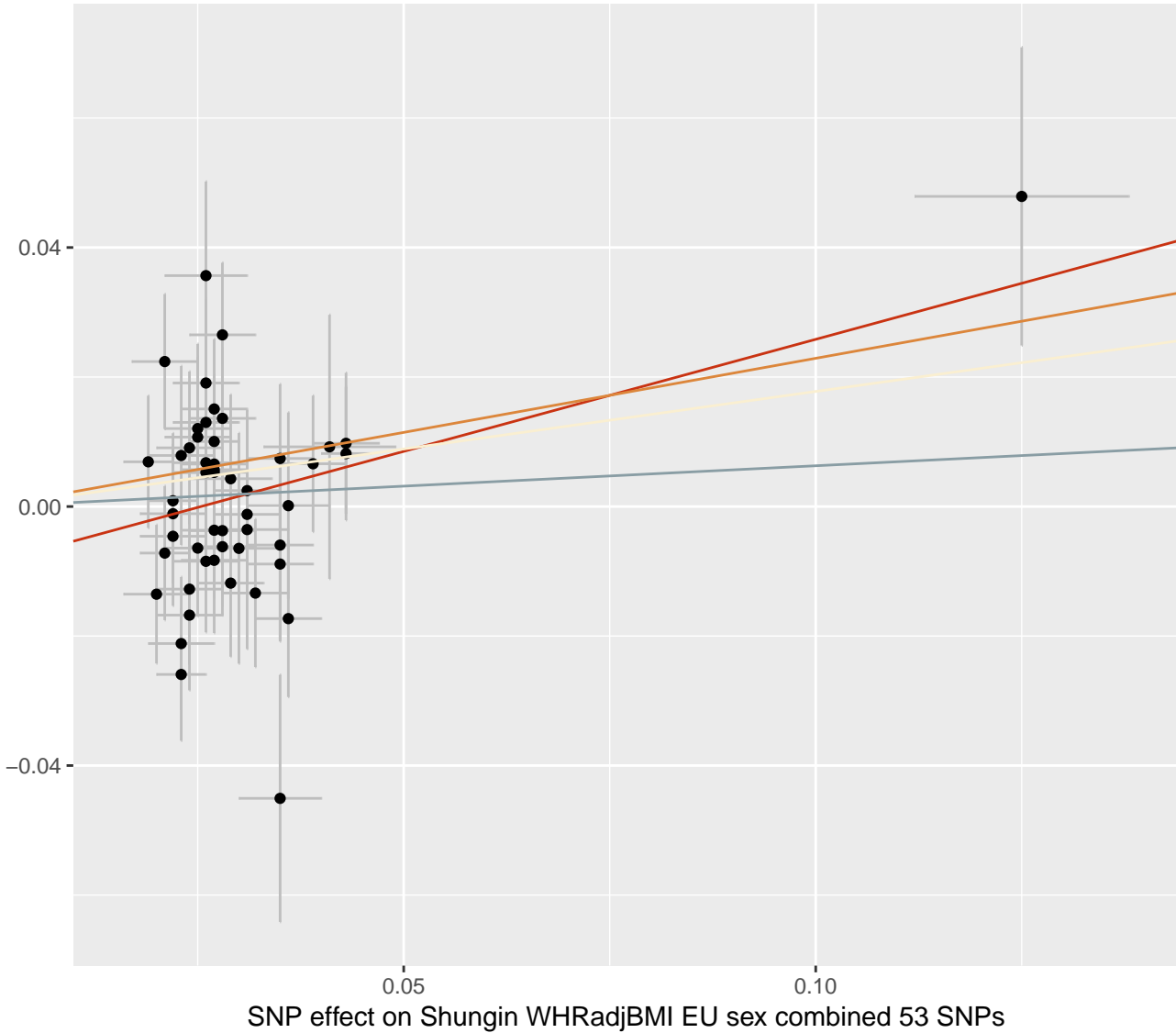
SNP effect on Total lipids in large LDL || id:883



# MR Test

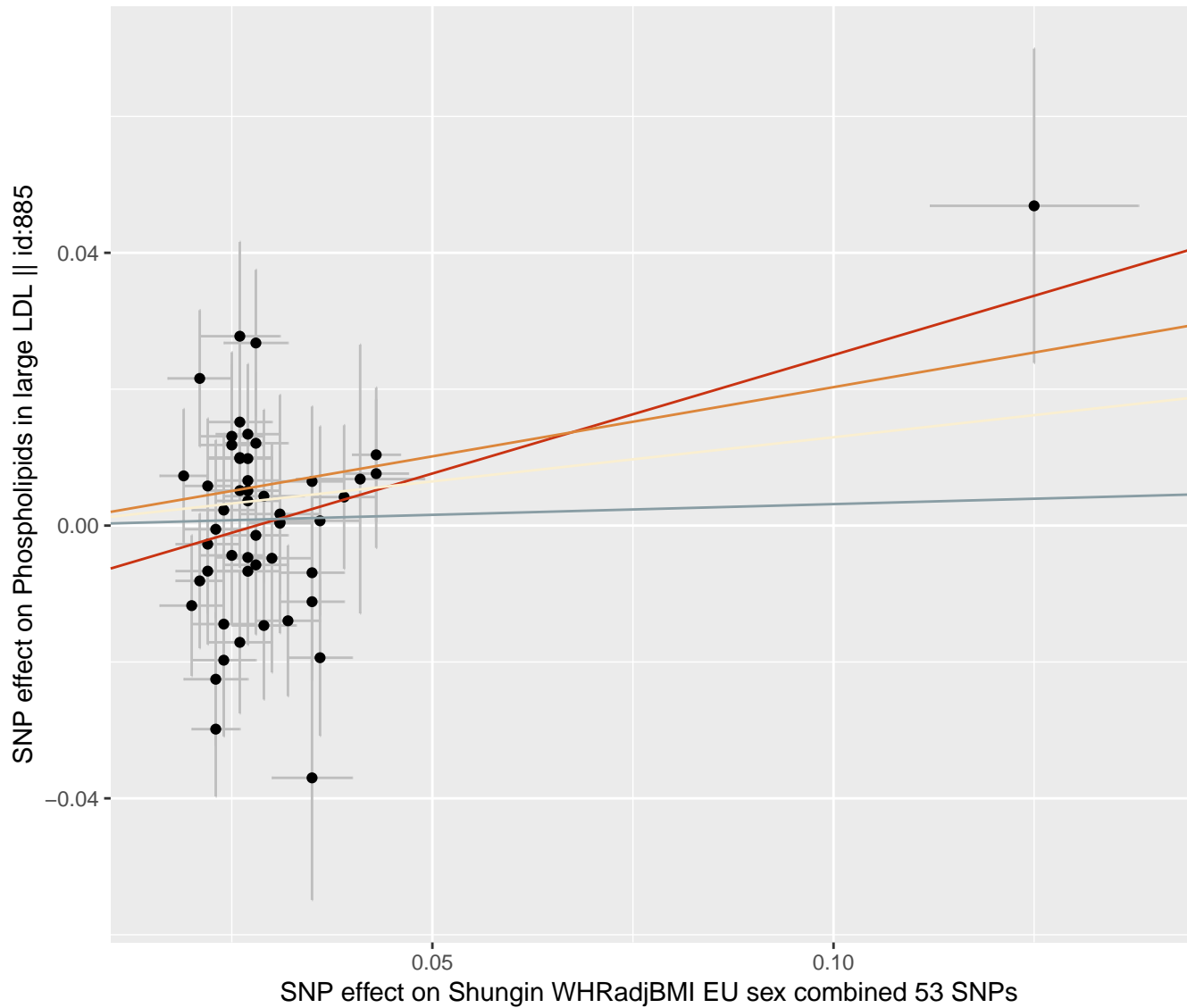
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Concentration of large LDL particles || id:884



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

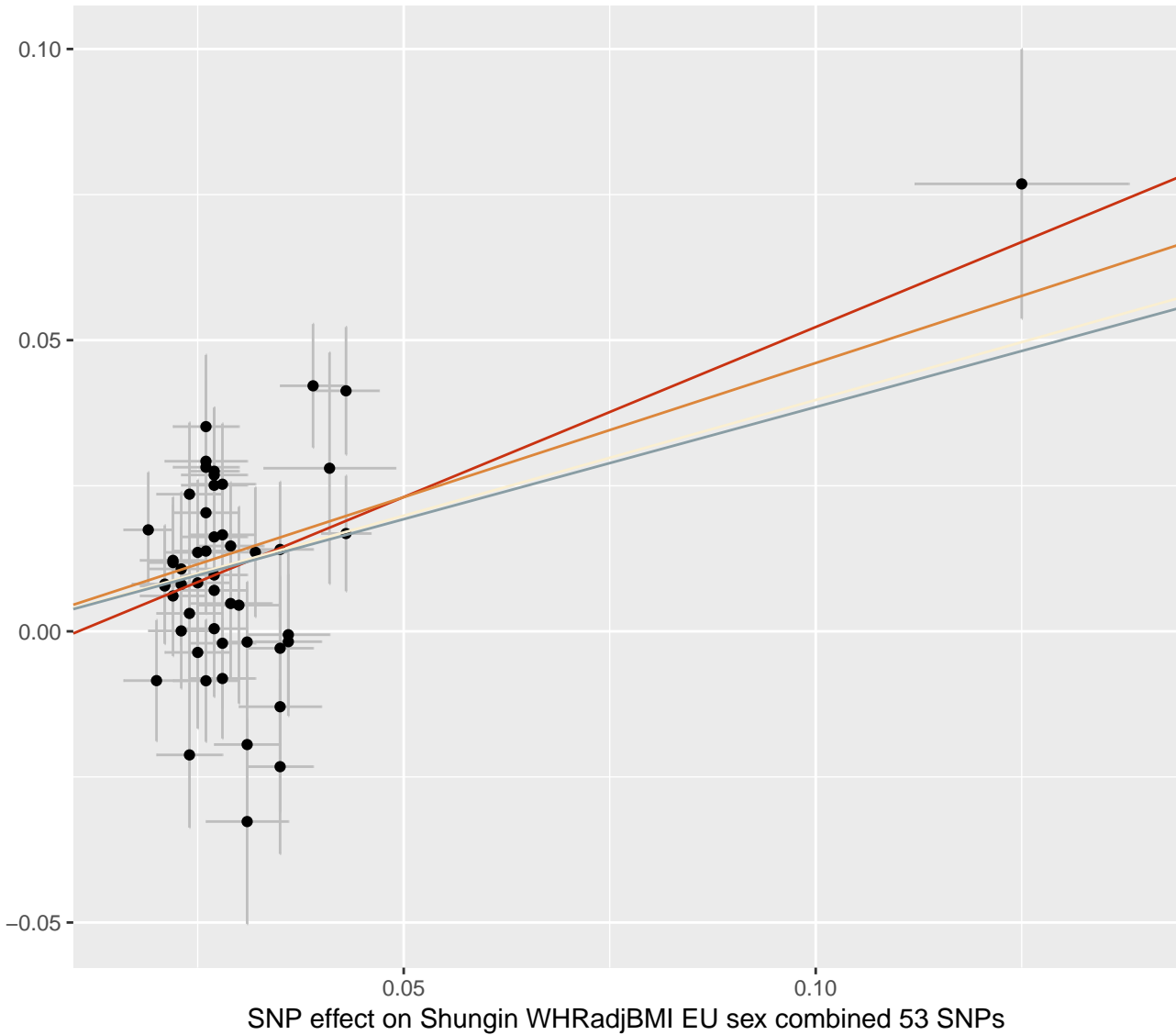




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

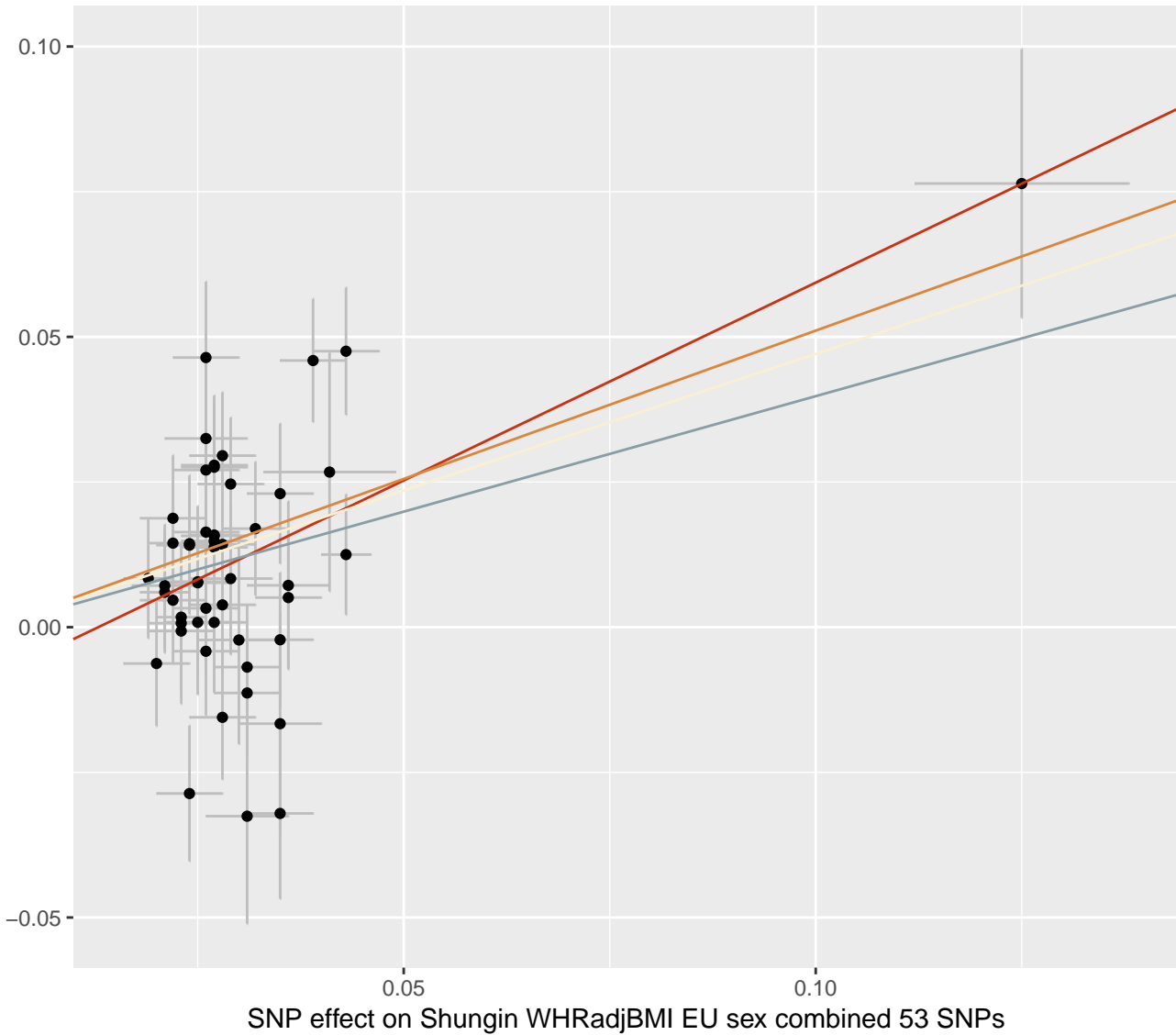
SNP effect on Total cholesterol in large VLDL || id:886



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

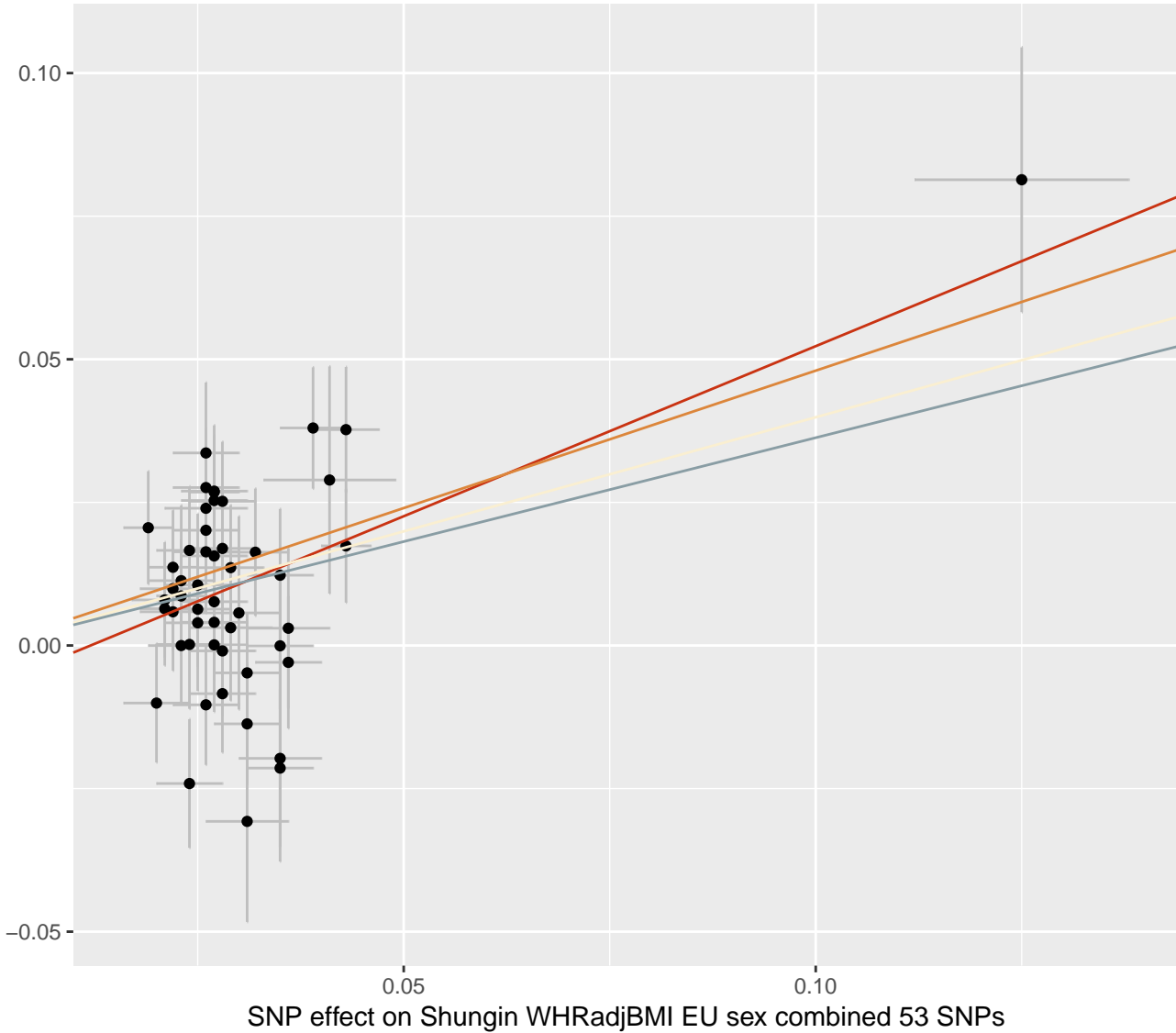
SNP effect on Cholesterol esters in large VLDL || id:887



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

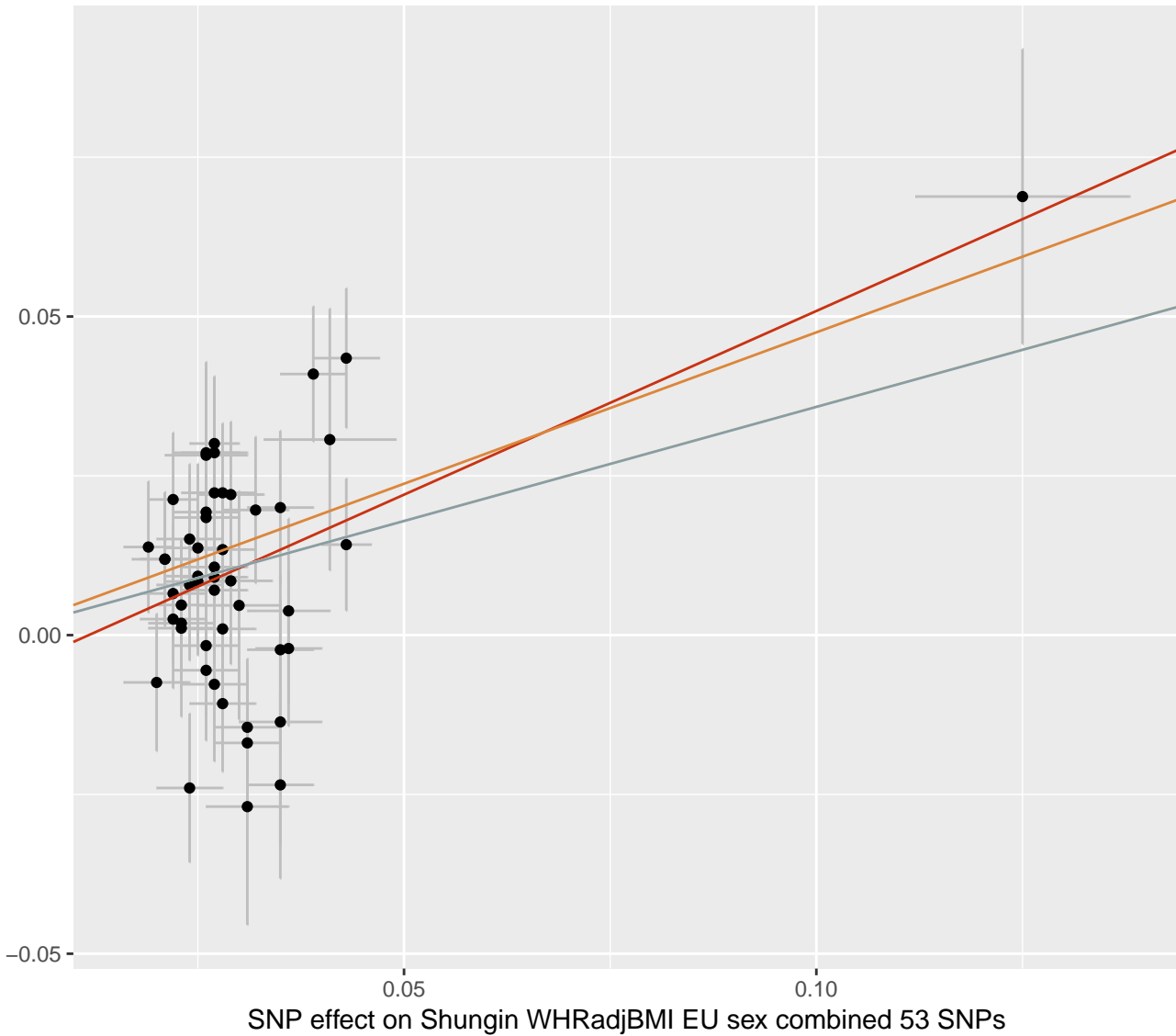
SNP effect on Free cholesterol in large VLDL || id:888



# MR Test

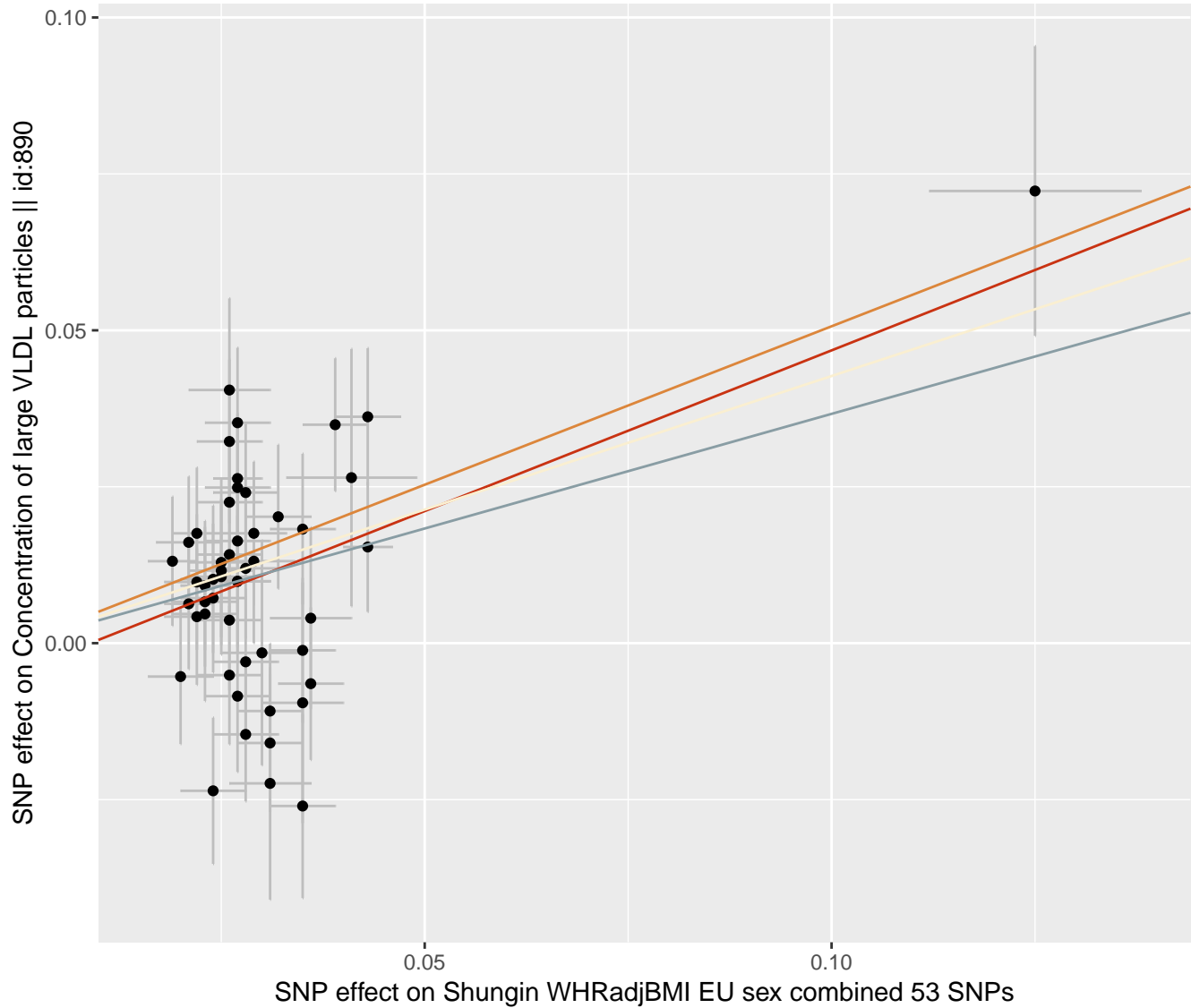
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total lipids in large VLDL || id:889



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

SNP effect on Phospholipids in large VLDL || id:891

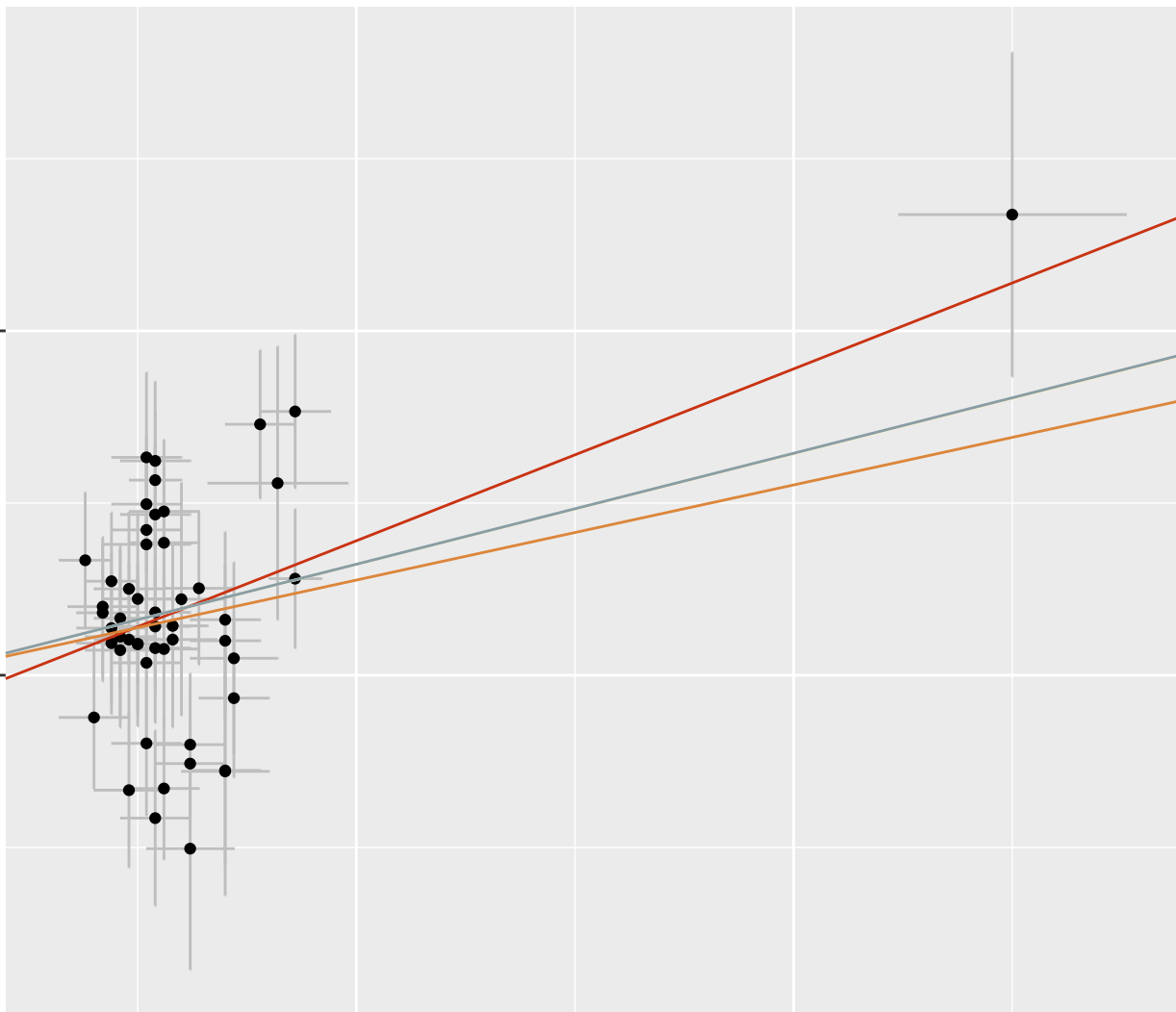
0.05

0.00

0.05

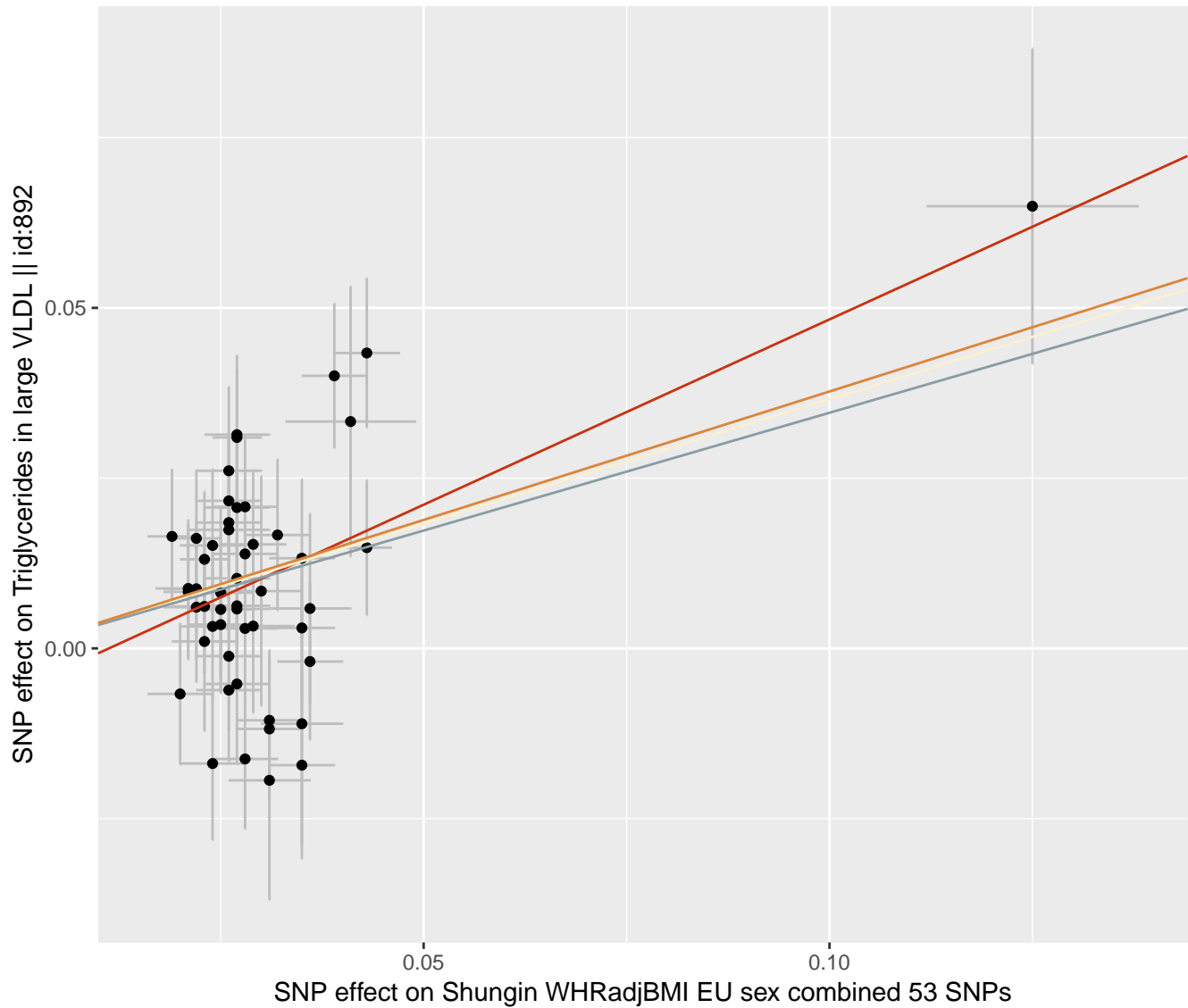
0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger



Weighted median

Weighted mode

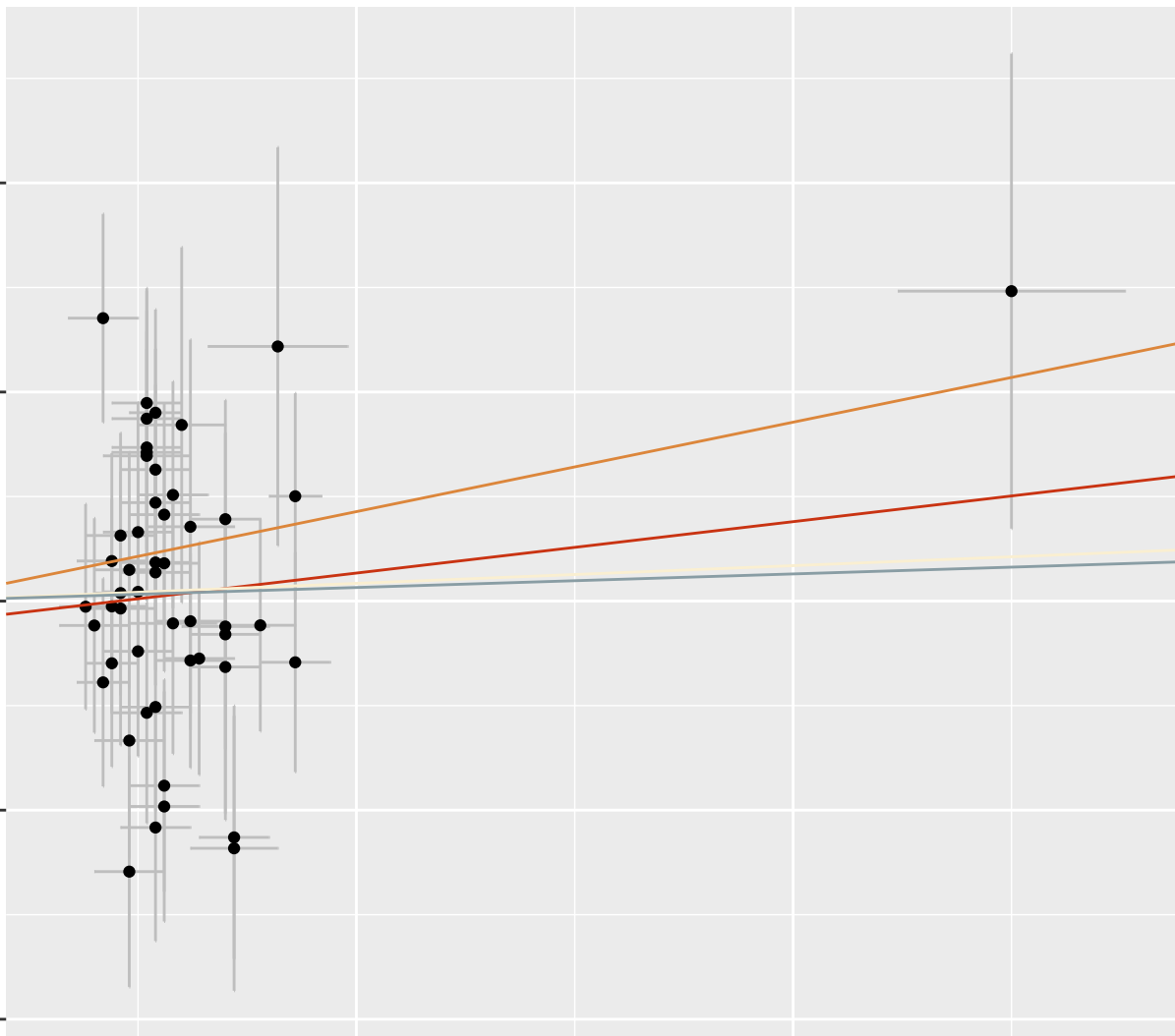
SNP effect on 18:2, linoleic acid (LA) || id:893

0.050  
0.025  
0.000  
-0.025  
-0.050

0.05

0.10

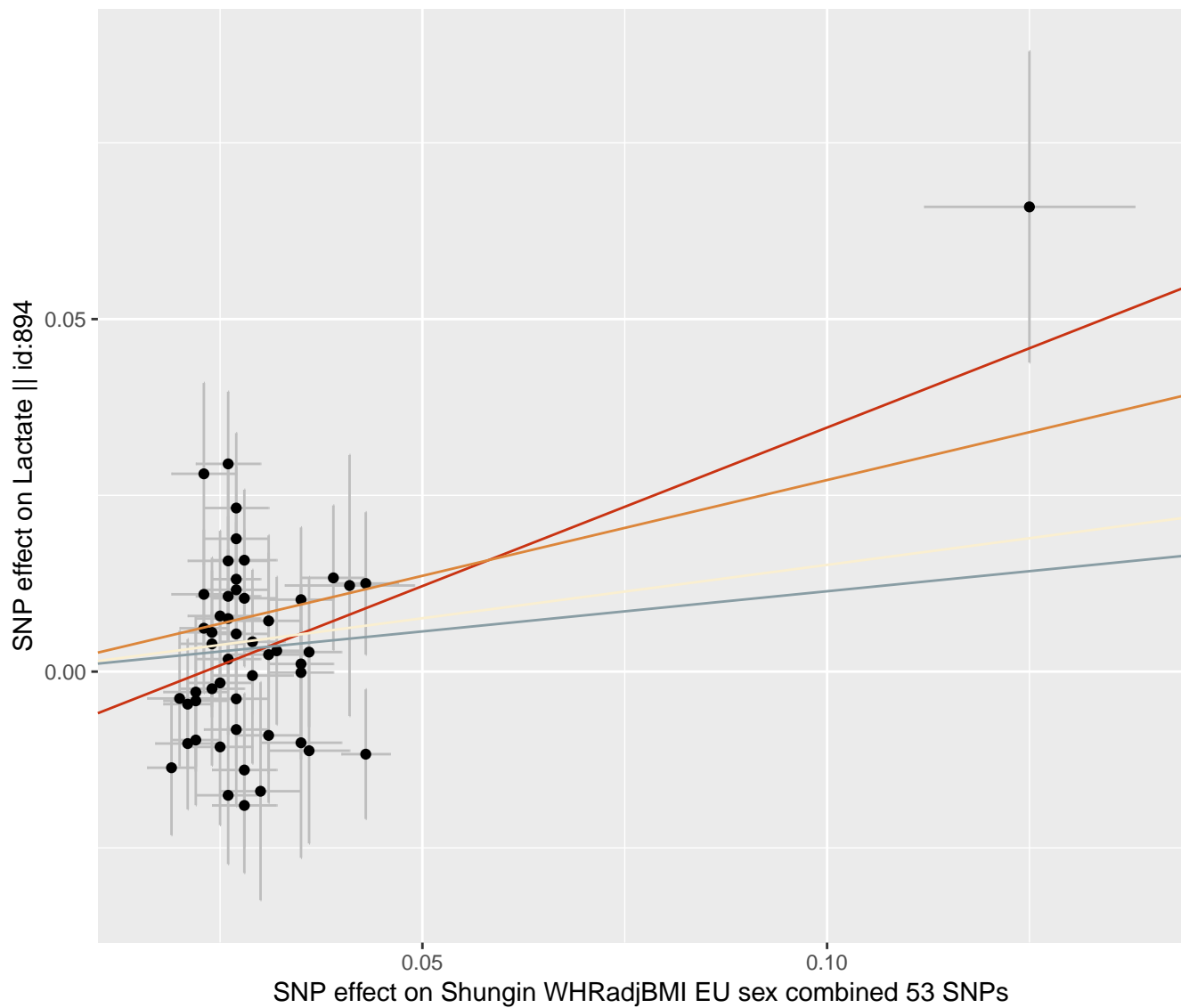
SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs





# MR Test

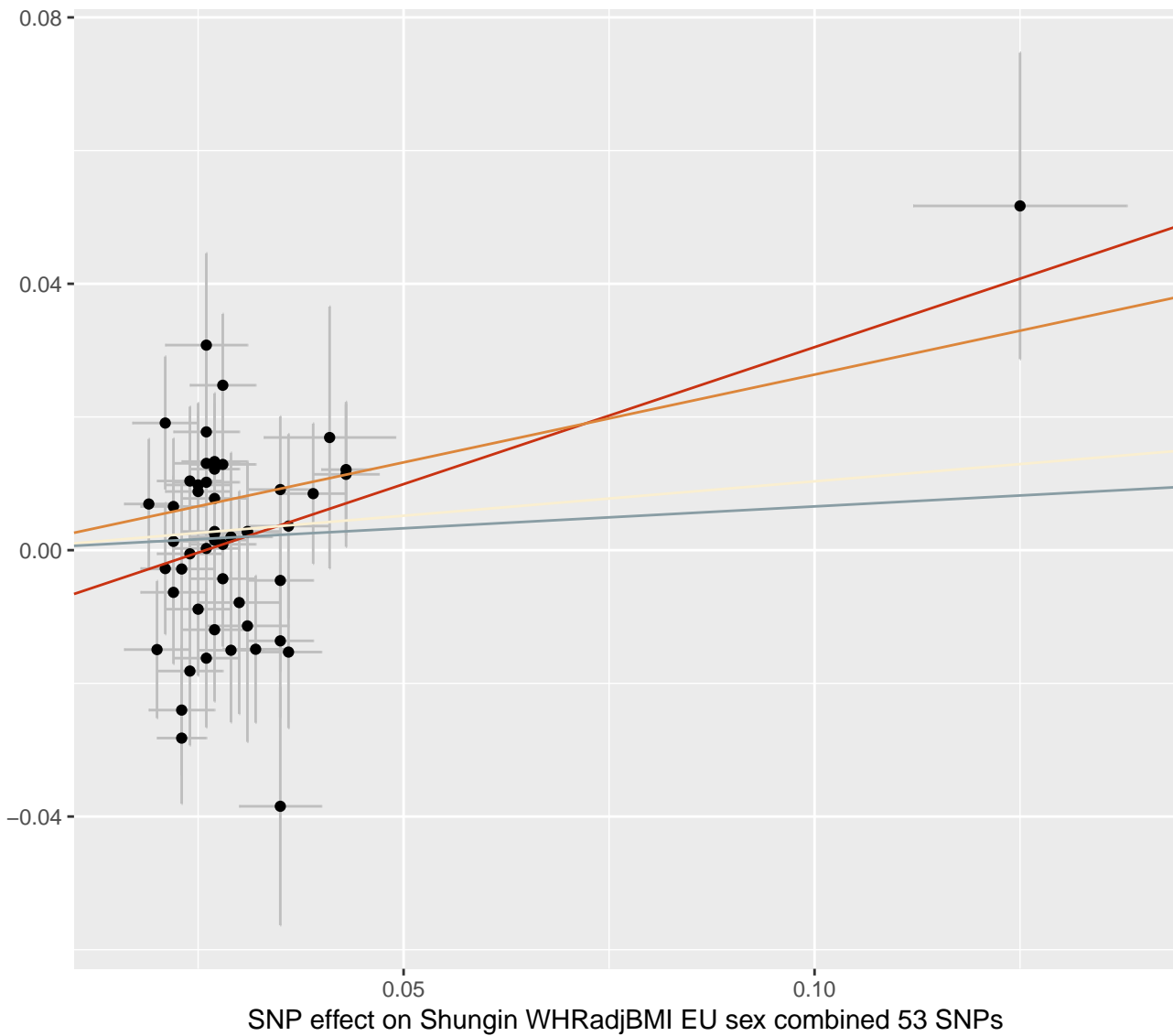
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total cholesterol in LDL || id:895



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

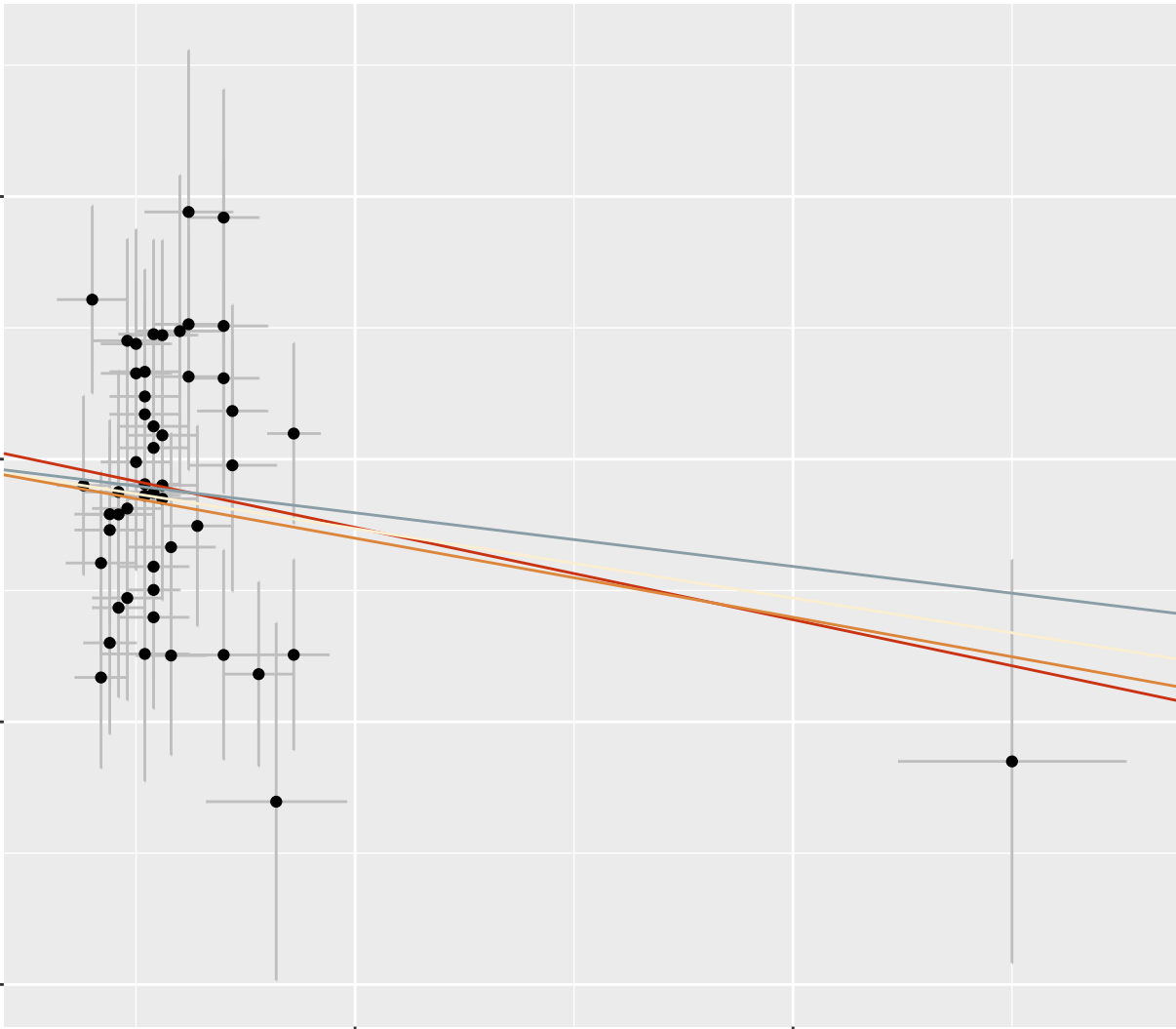
SNP effect on Mean diameter for LDL particles || id:896

0.03  
0.00  
-0.03  
-0.06

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs

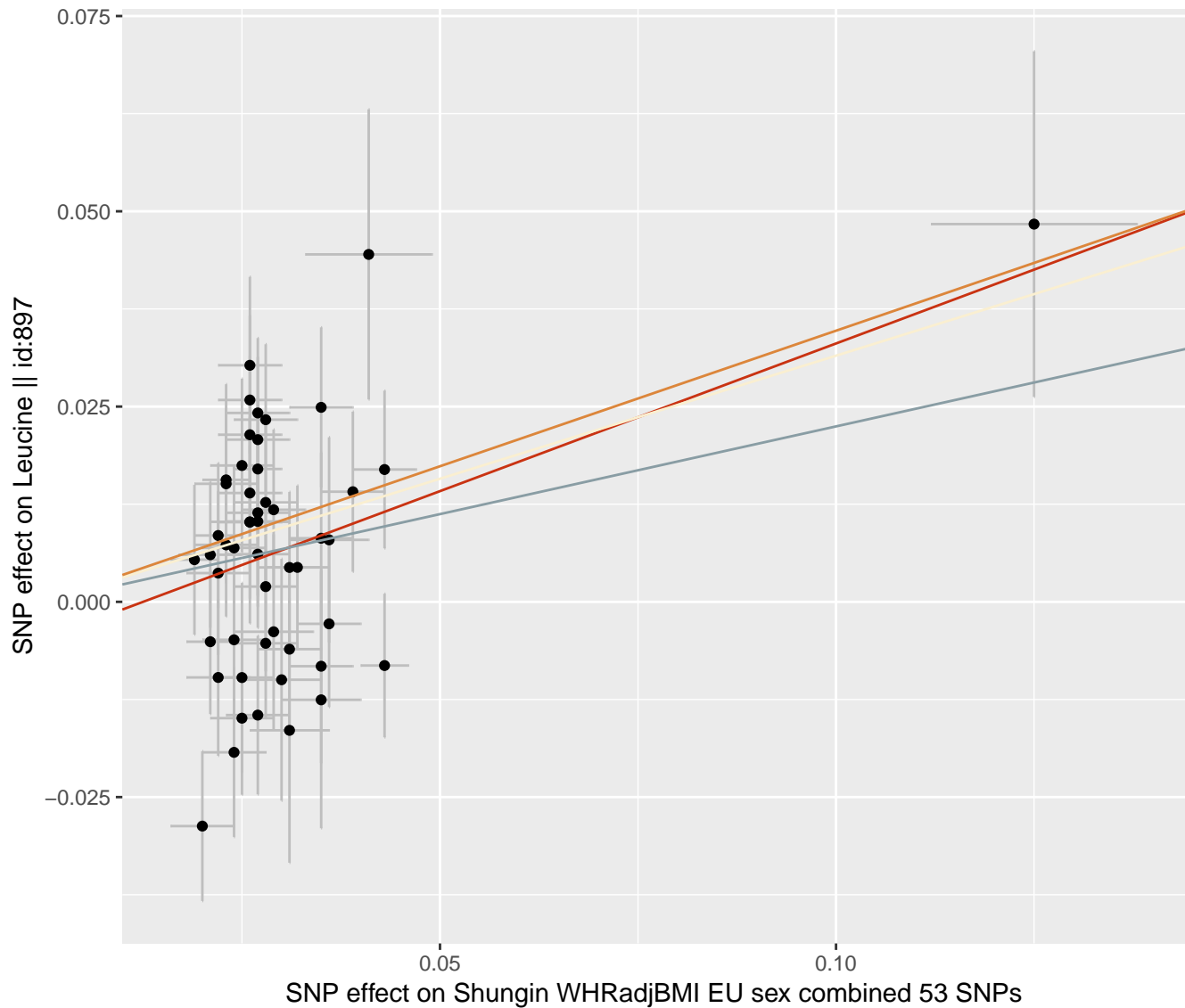
0.05

0.10



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

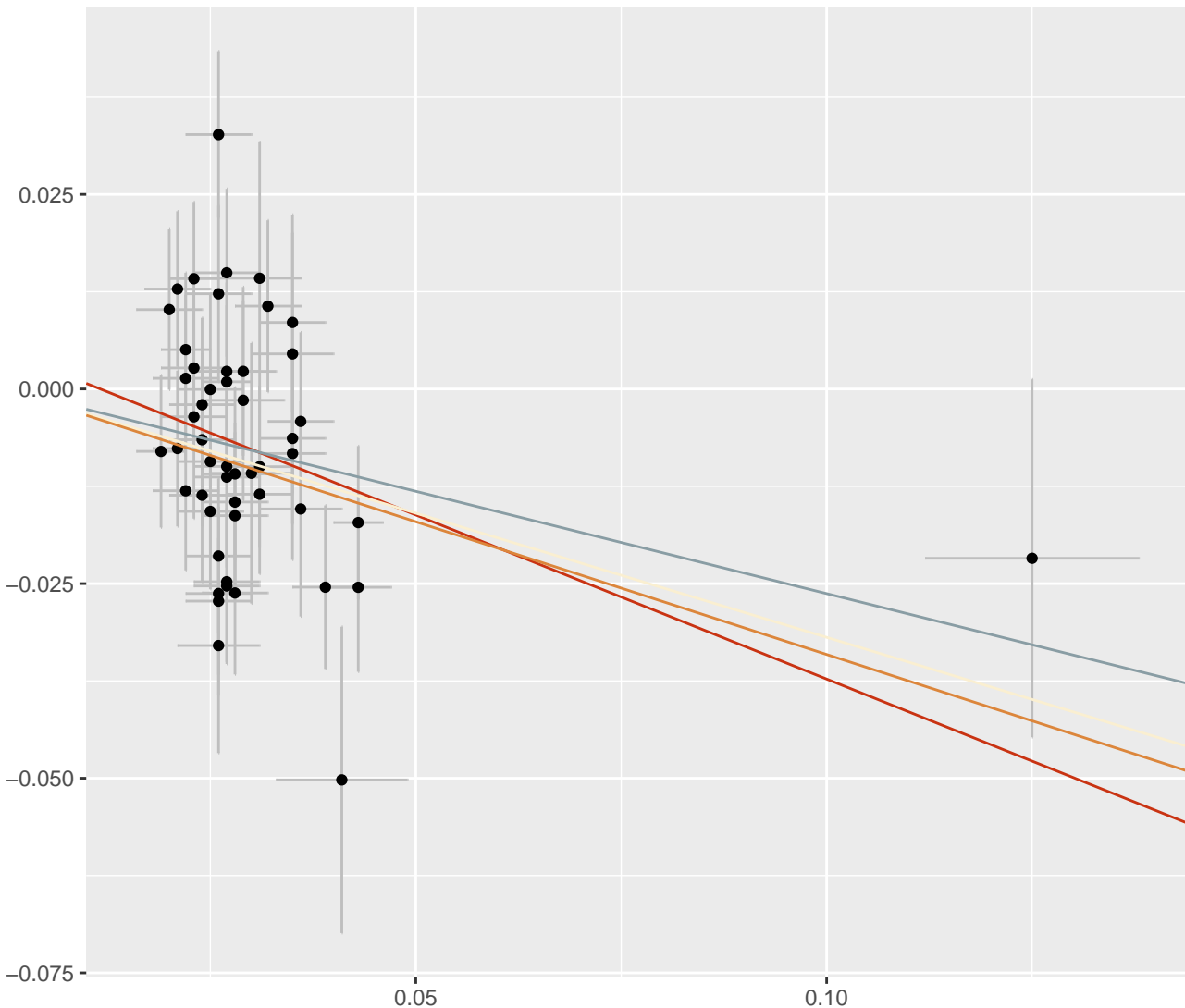
MR Egger



Weighted median

Weighted mode

SNP effect on Total cholesterol in medium HDL || id:898



# MR Test



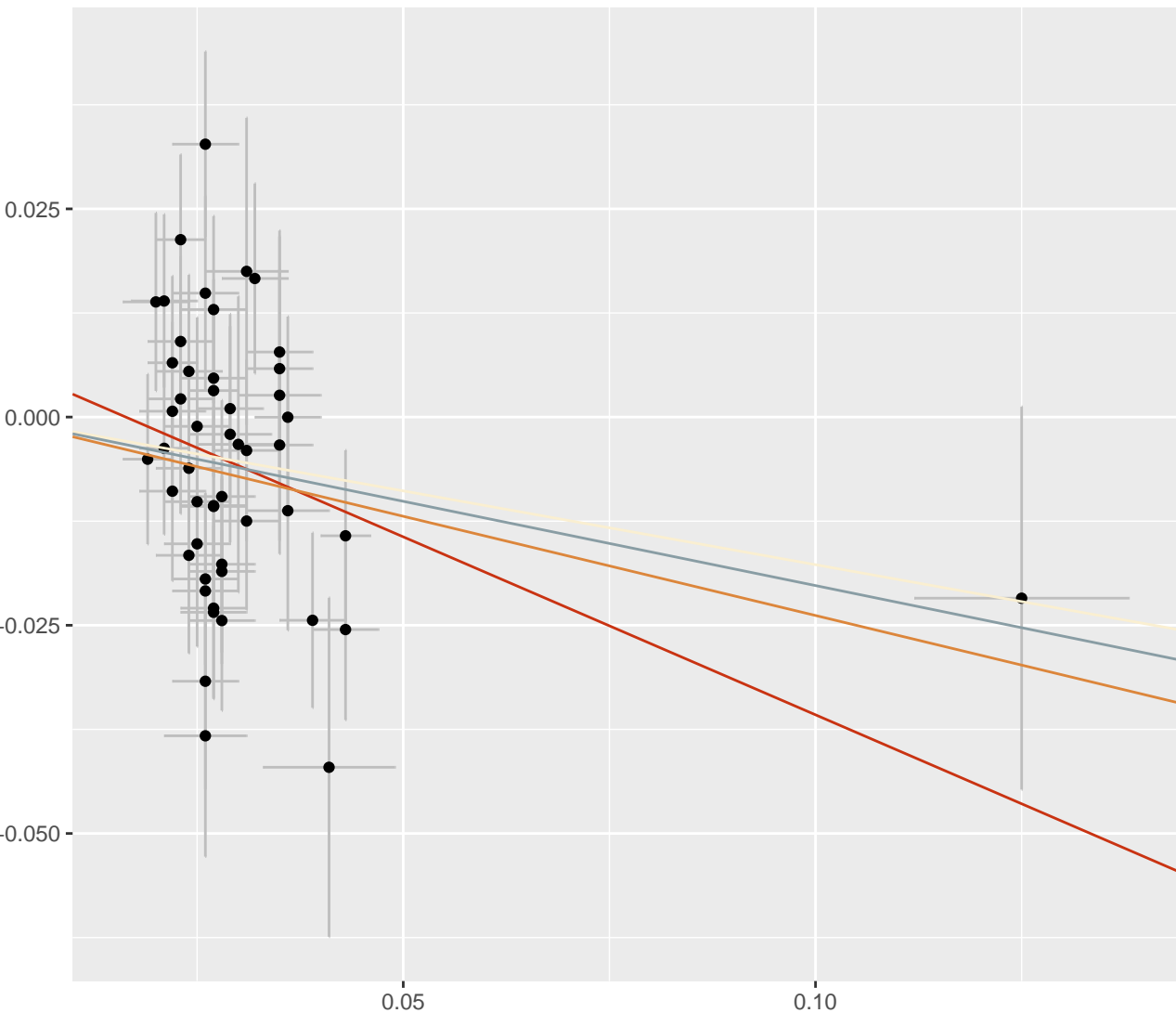
Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

SNP effect on Cholesterol esters in medium HDL || id:899



# MR Test



Inverse variance weighted (multiplicative random effects)

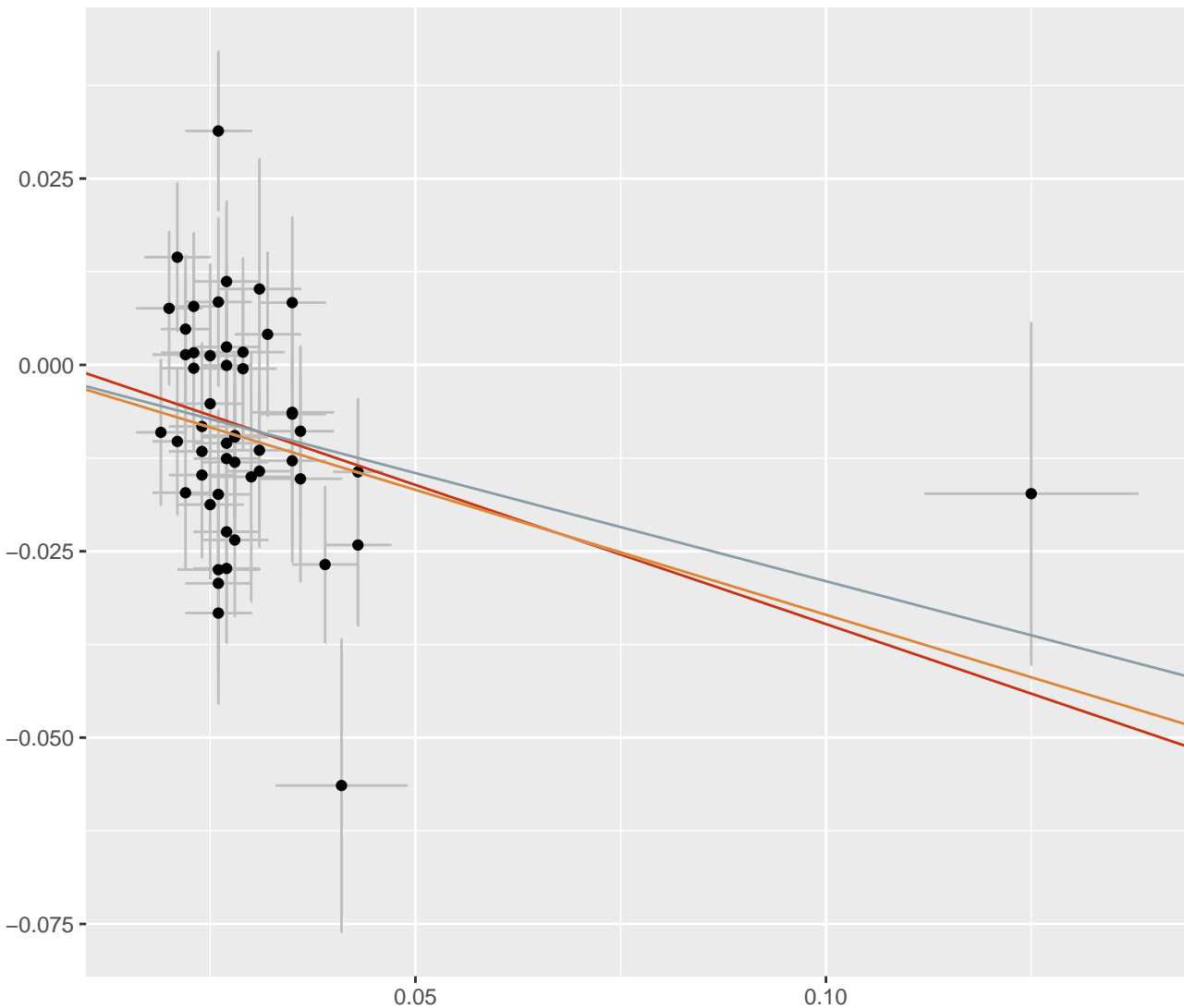
MR Egger



Weighted median

Weighted mode

SNP effect on Free cholesterol in medium HDL || id:900



# MR Test



Inverse variance weighted (multiplicative random effects)



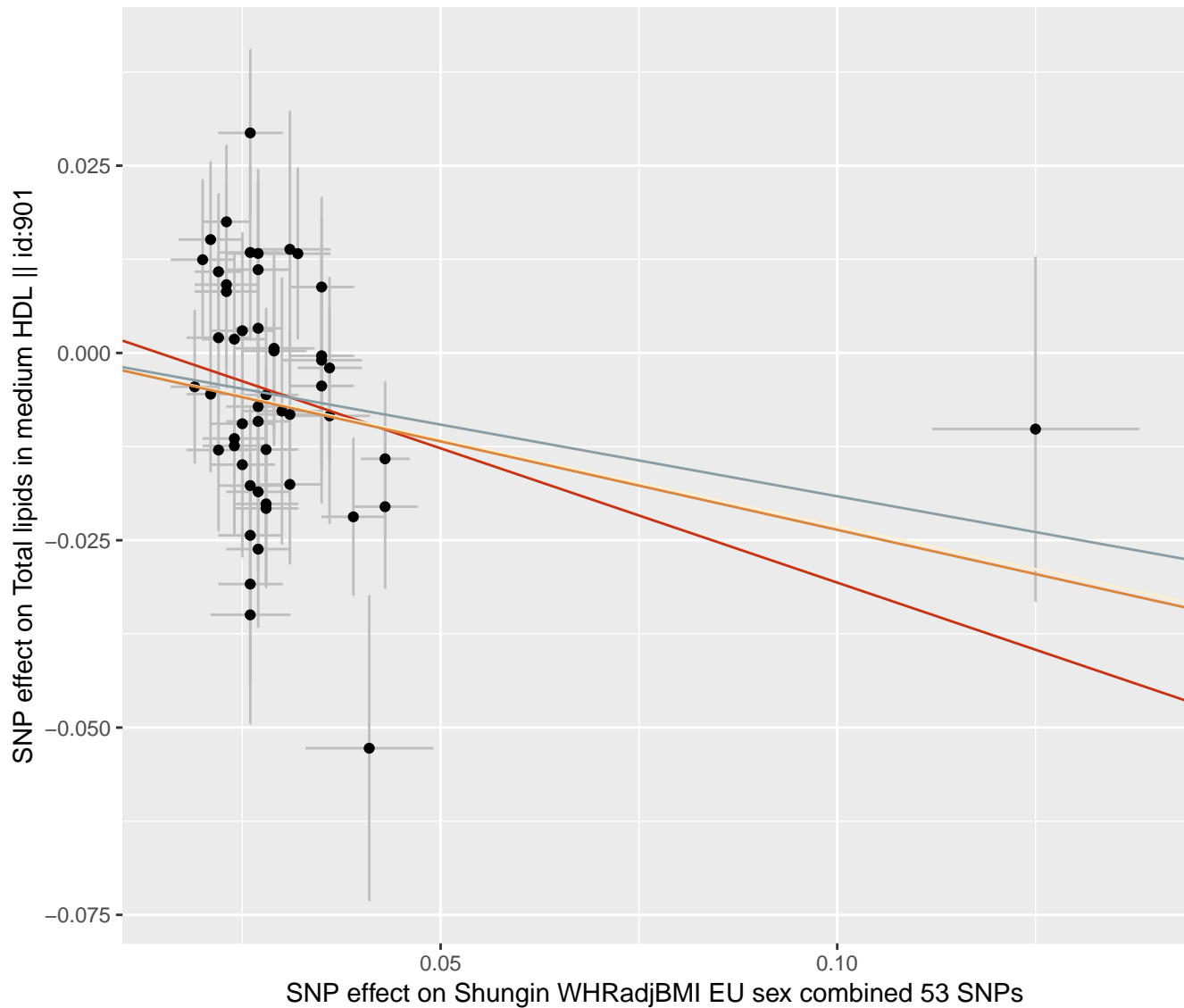
MR Egger



Weighted median



Weighted mode

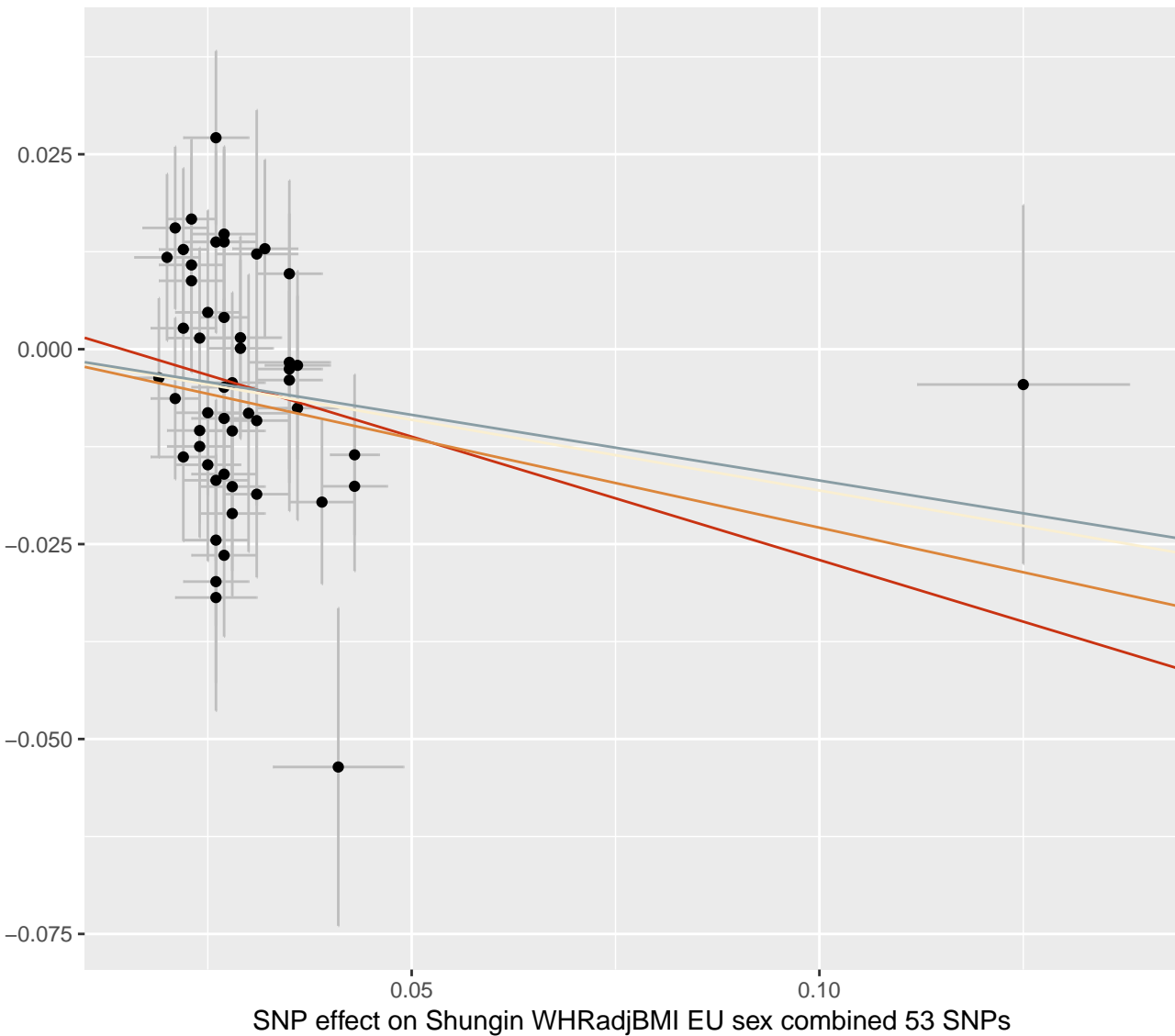




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

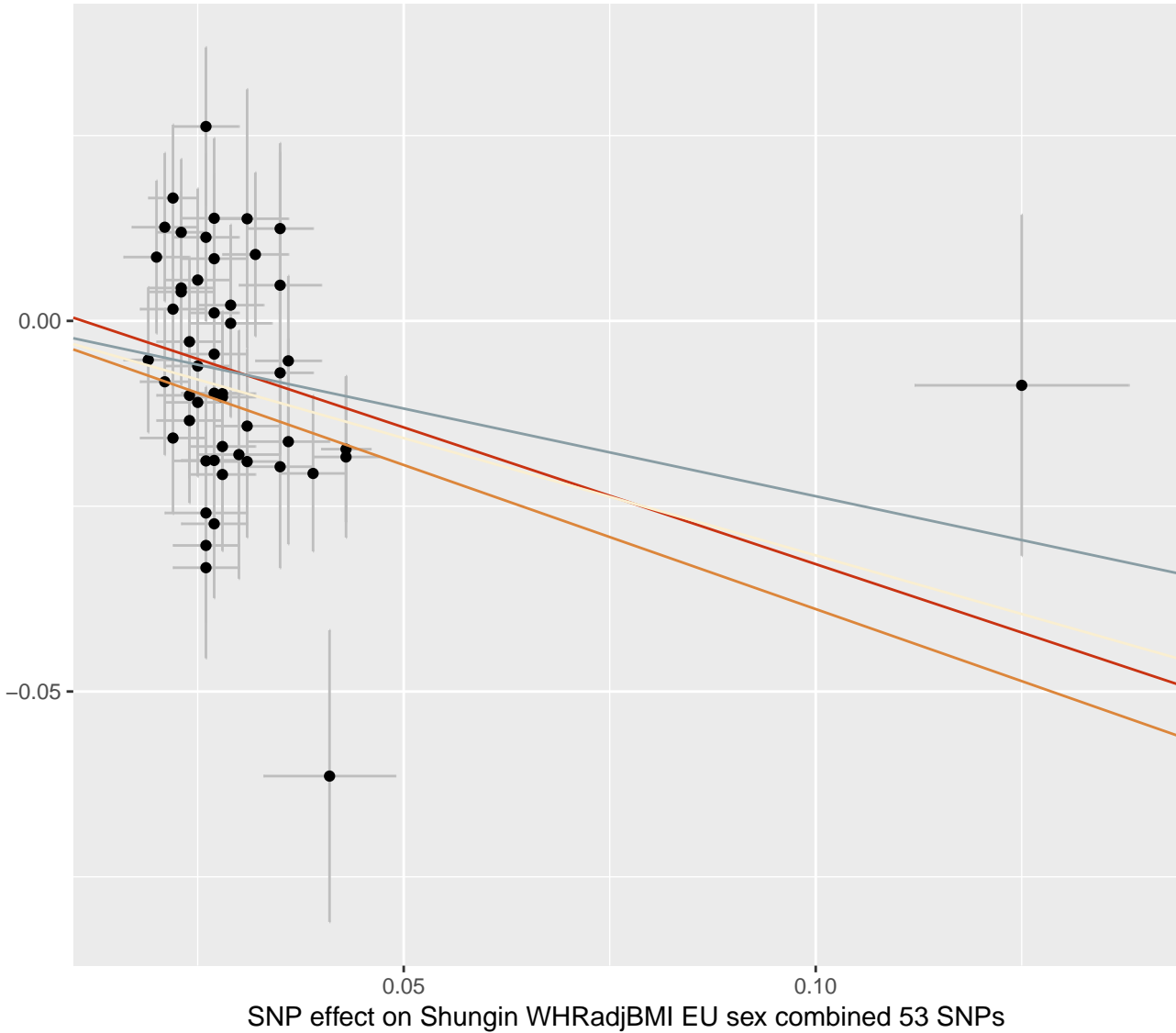
SNP effect on Concentration of medium HDL particles || id:902



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

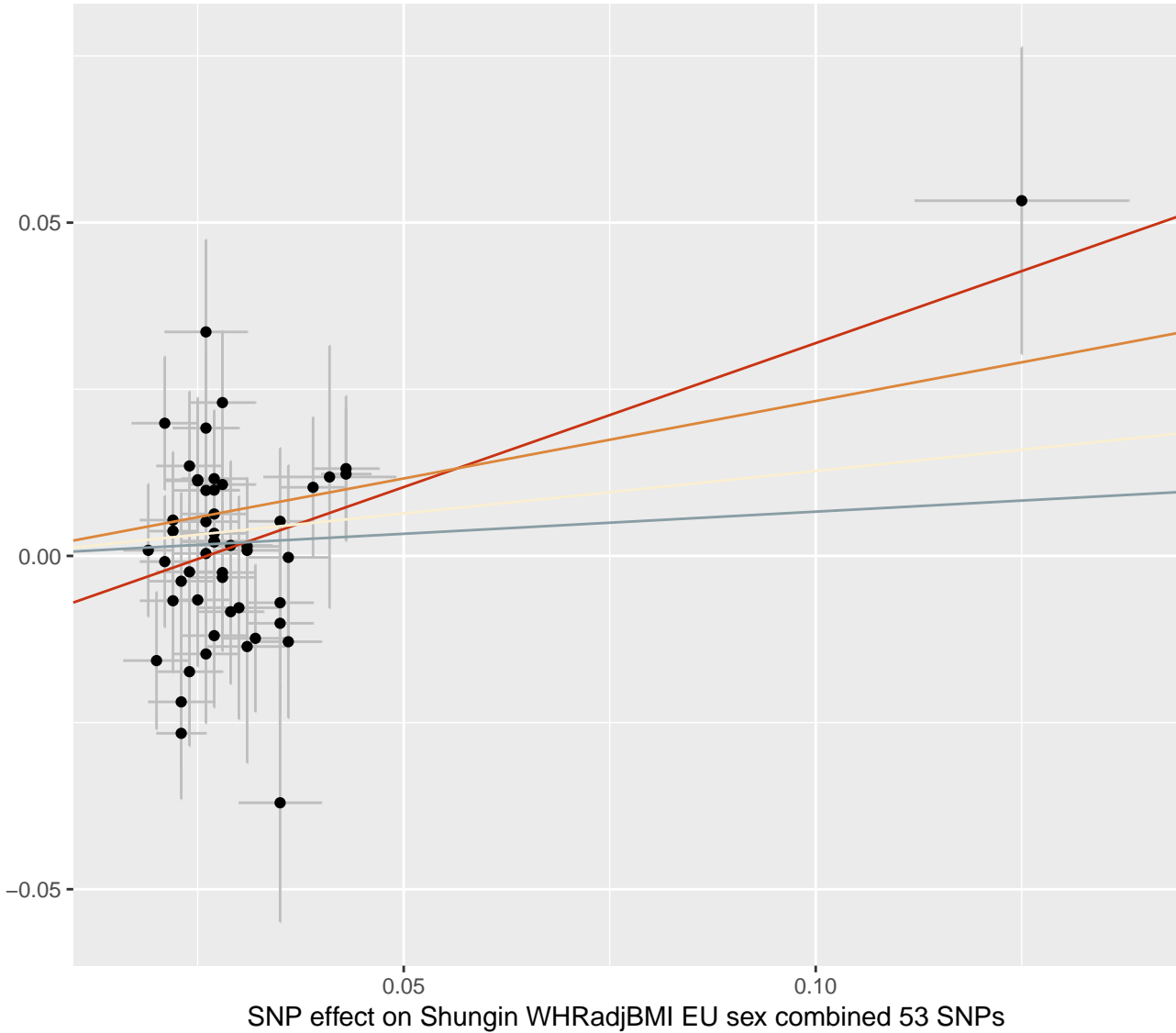
SNP effect on Phospholipids in medium HDL || id:903



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

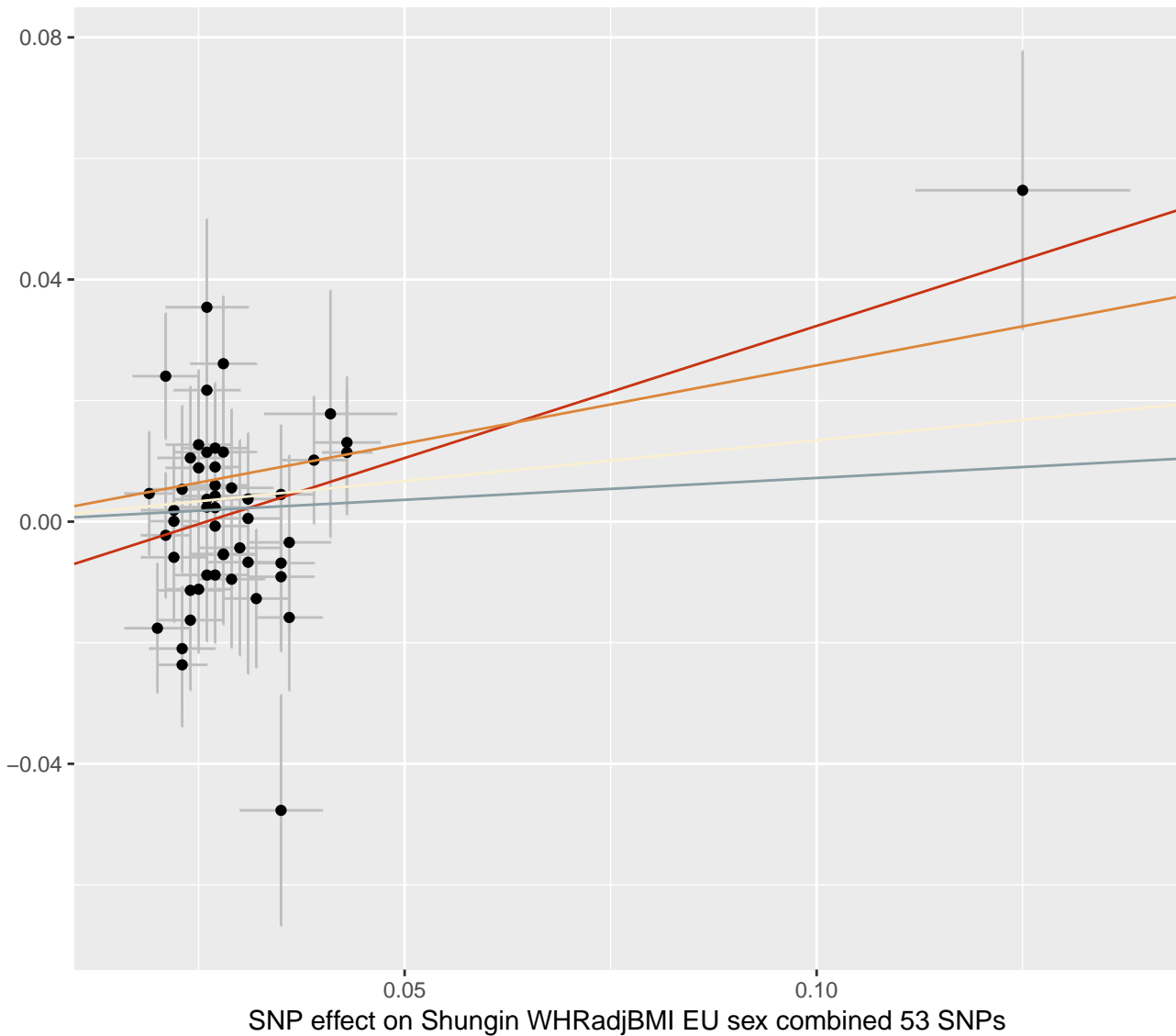
SNP effect on Total cholesterol in medium LDL || id:904



# MR Test

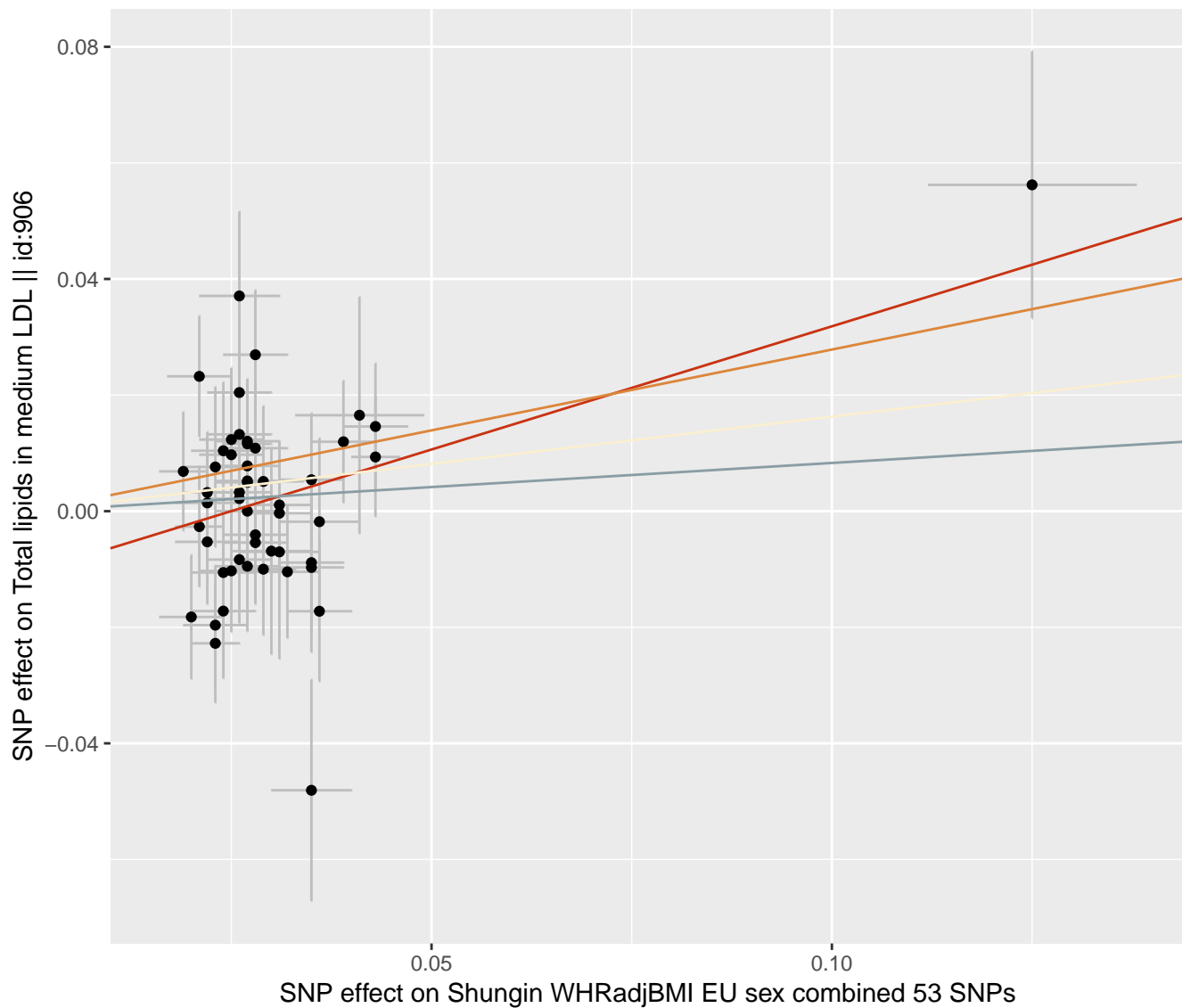
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Cholesterol esters in medium LDL || id:905



# MR Test

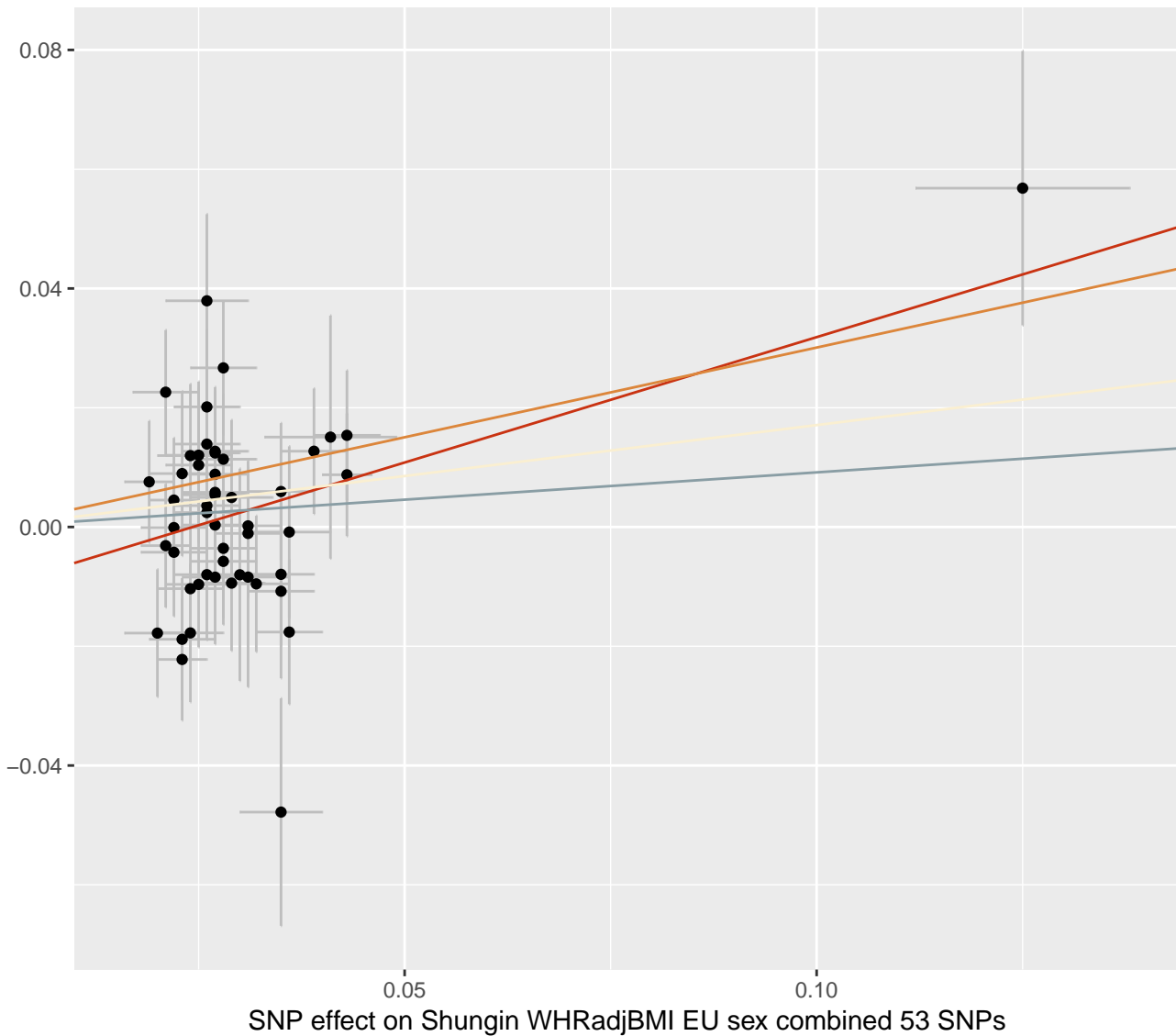
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

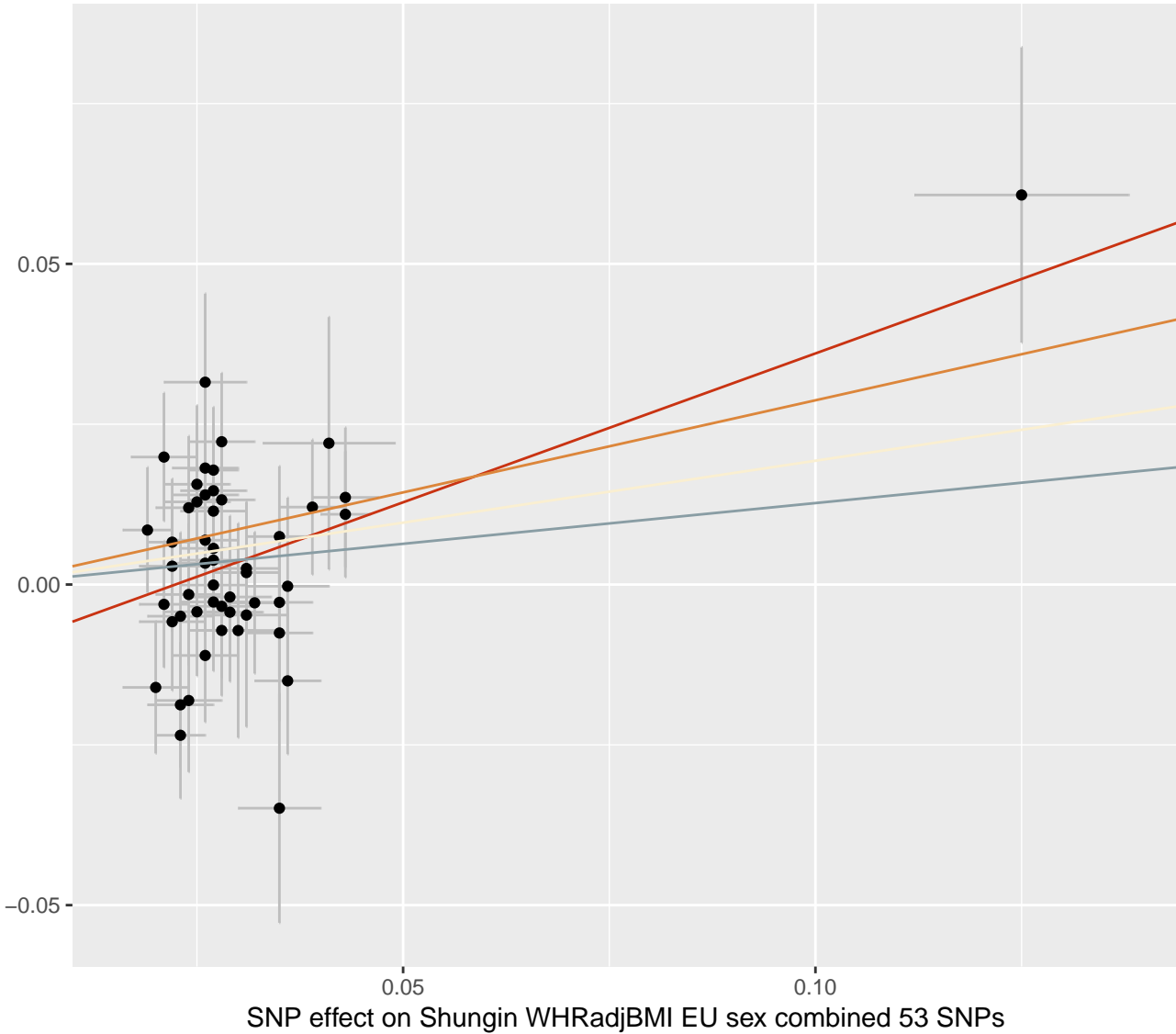
SNP effect on Concentration of medium LDL particles || id:907



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Phospholipids in medium LDL || id:908



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total cholesterol in medium VLDL || id:909

0.10

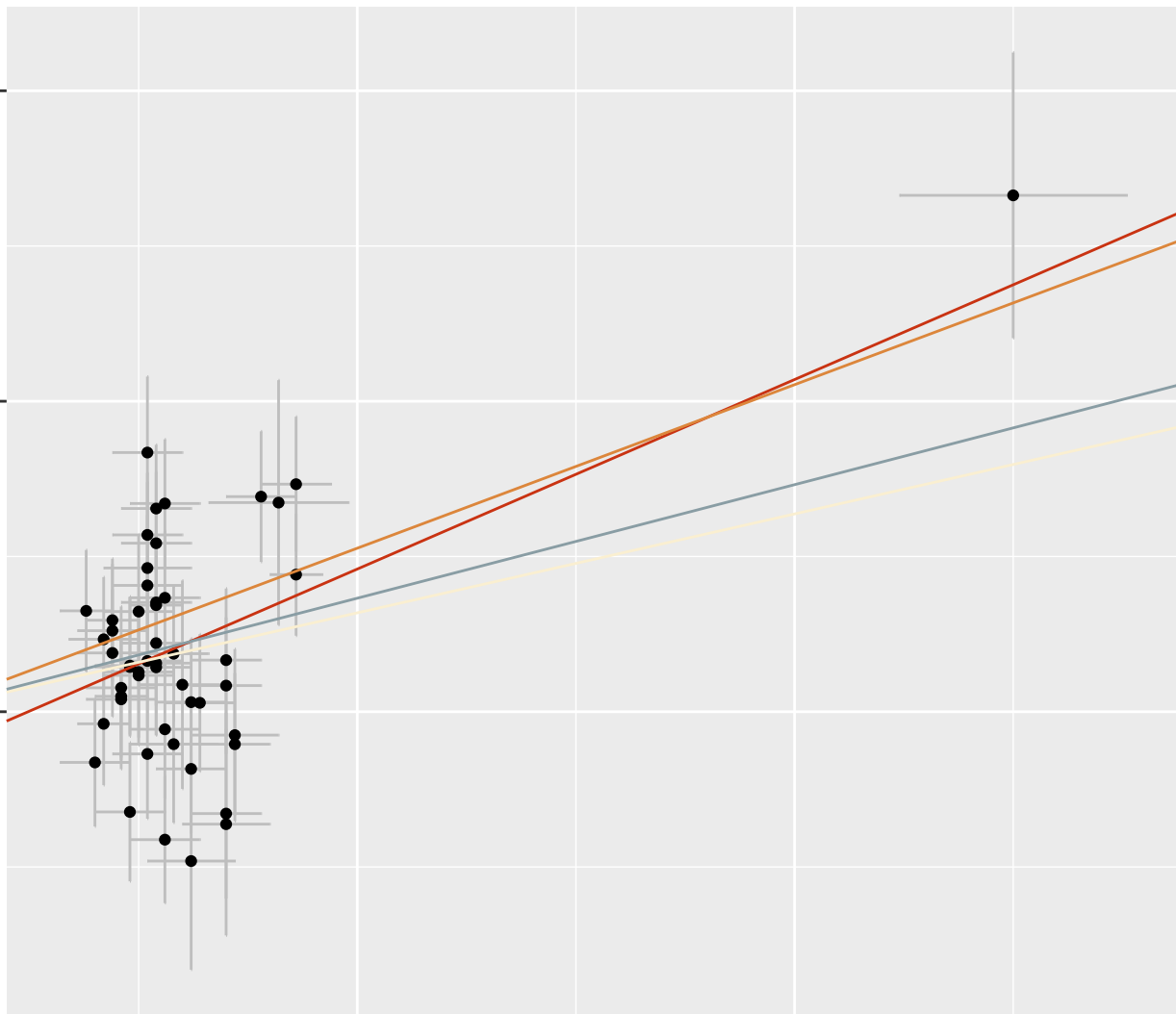
0.05

0.00

0.05

0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs

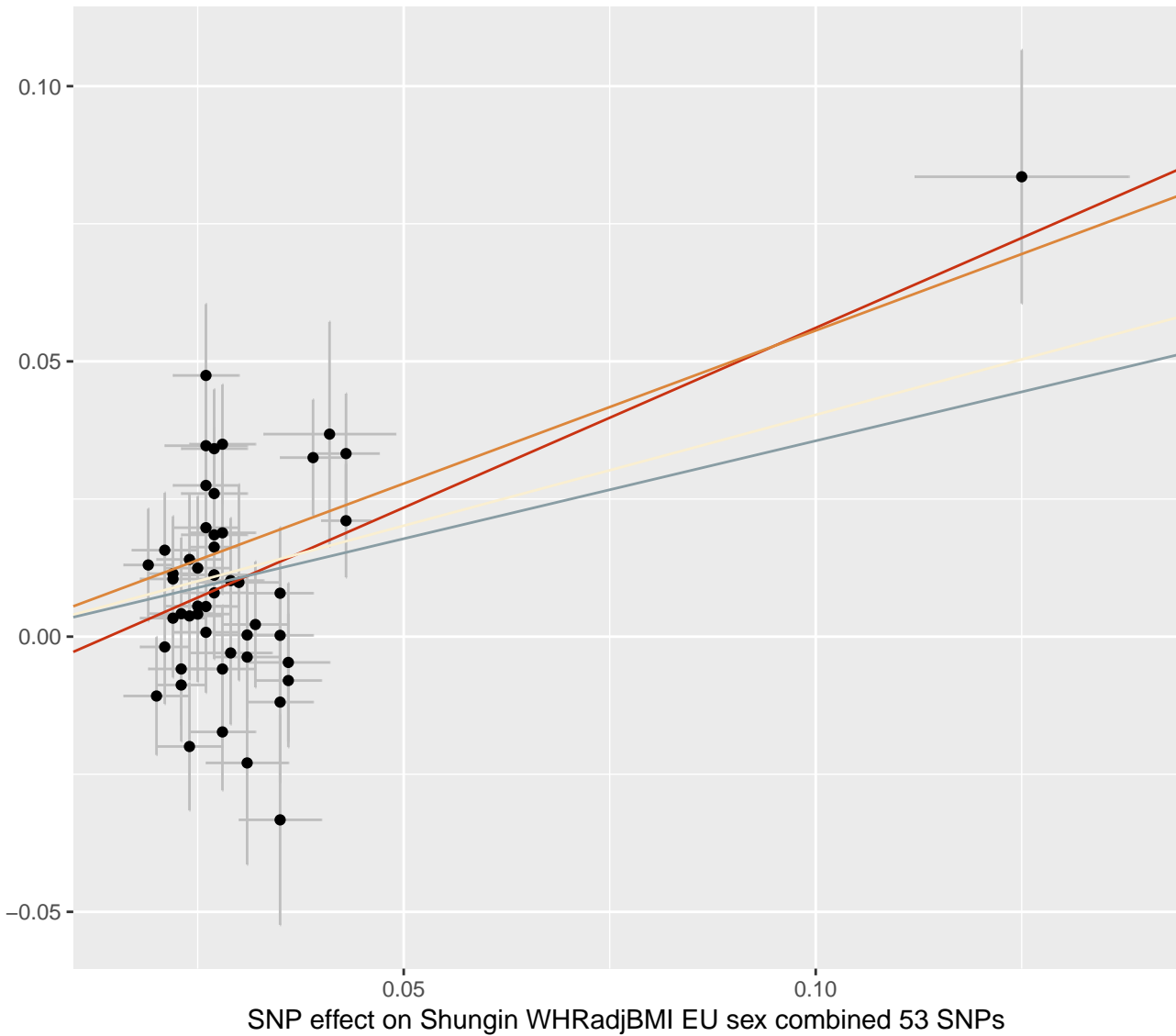




# MR Test

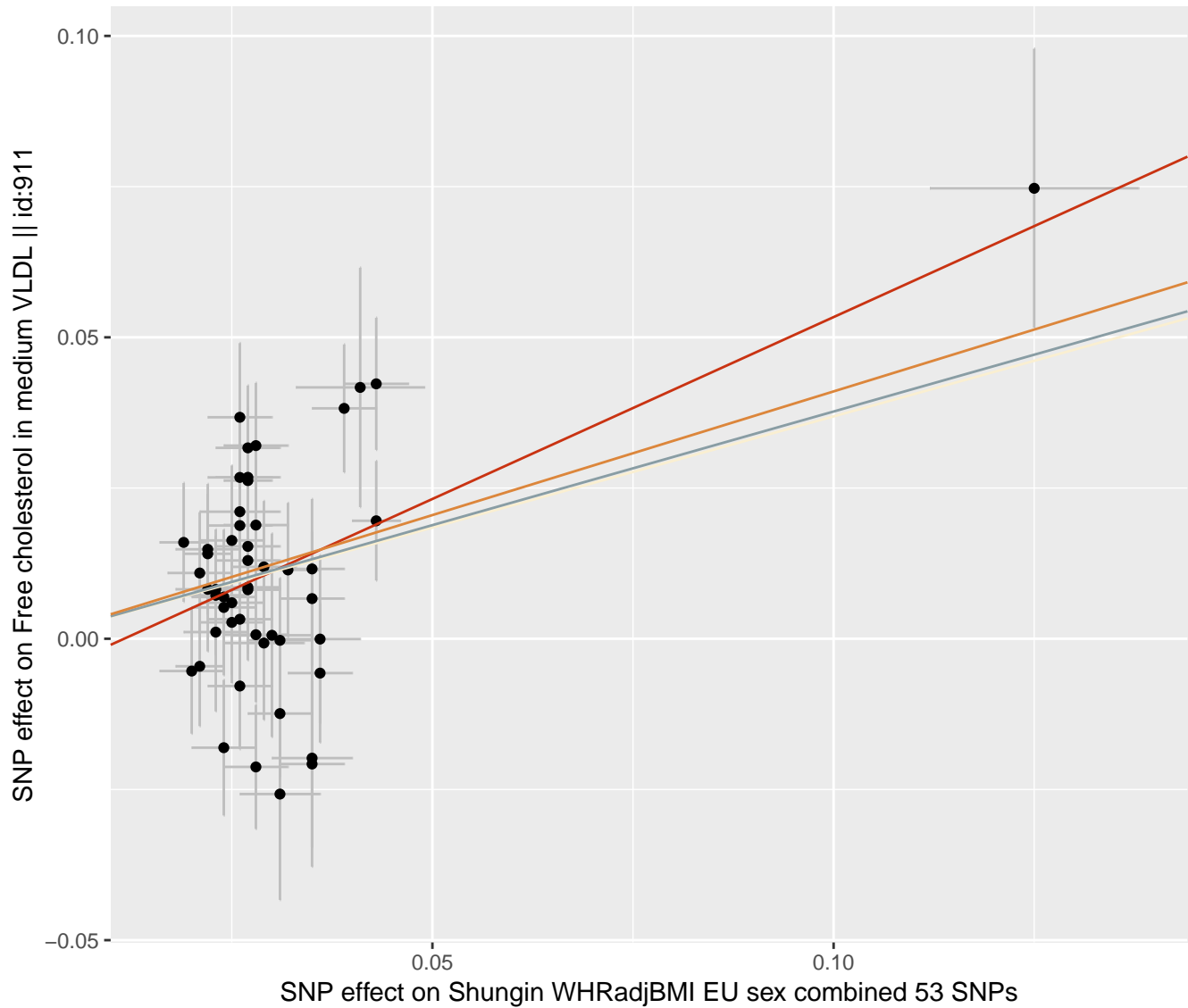
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Cholesterol esters in medium VLDL || id:910



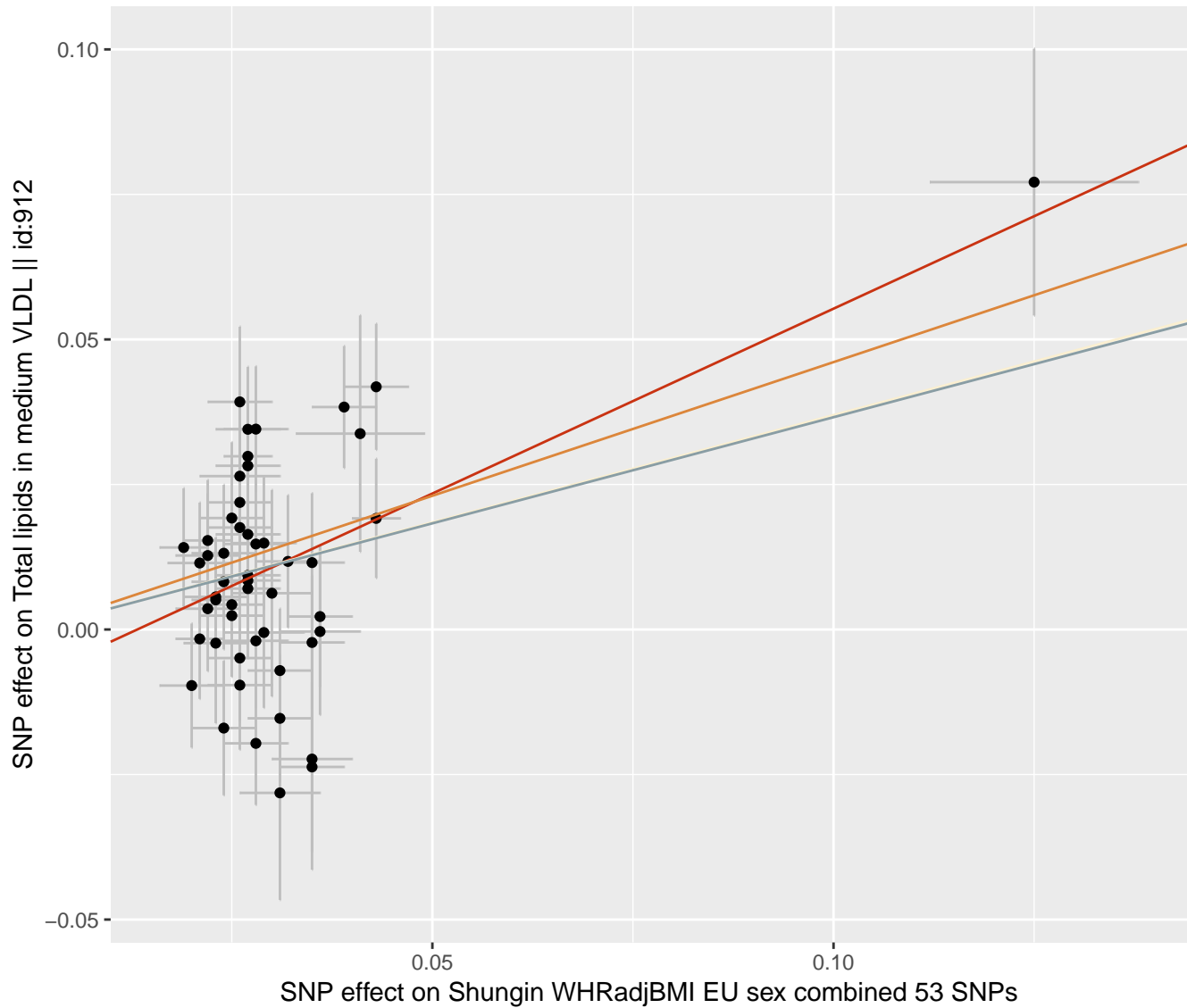
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



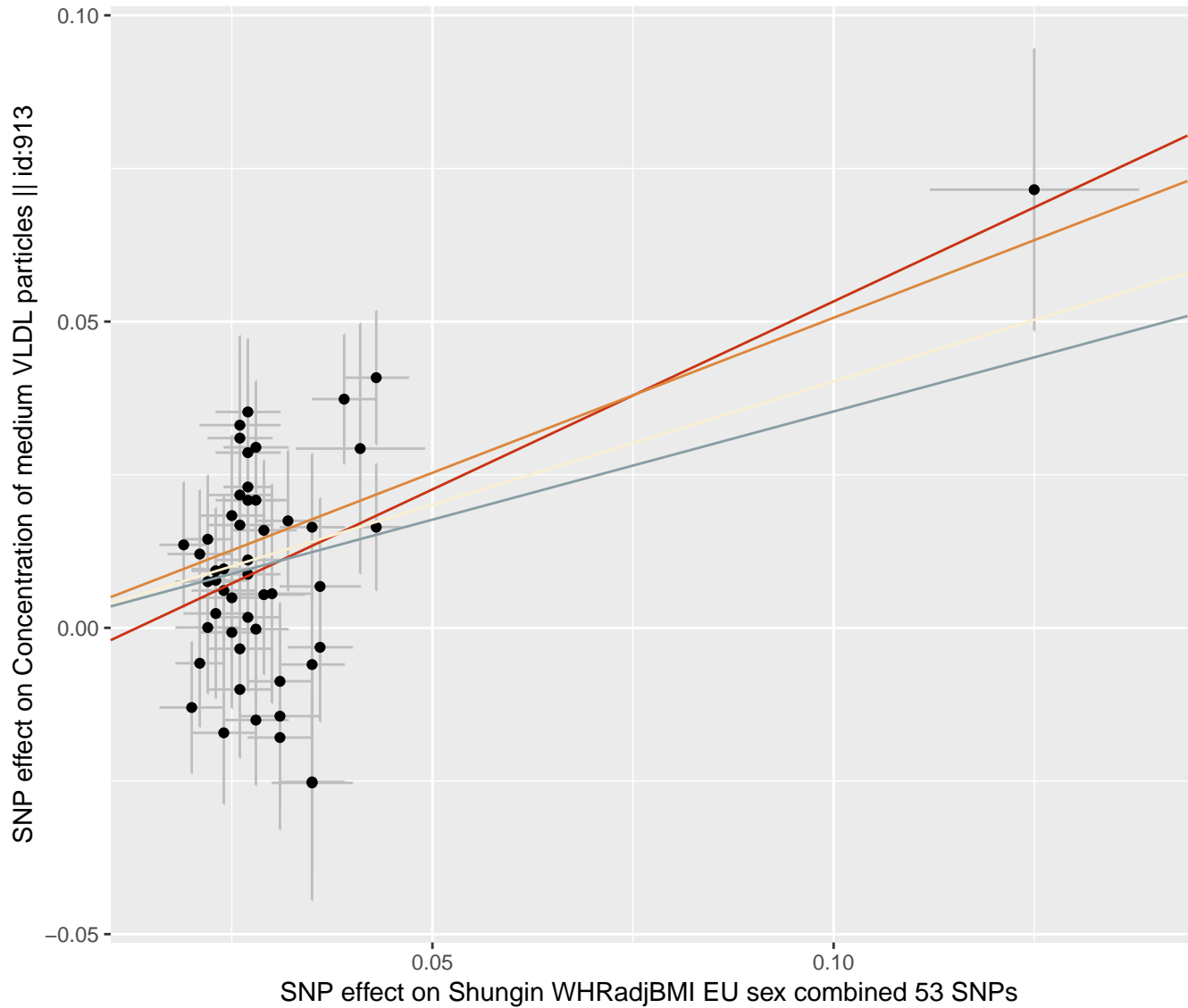
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger



Weighted median

Weighted mode

SNP effect on Phospholipids in medium VLDL || id:914

0.10

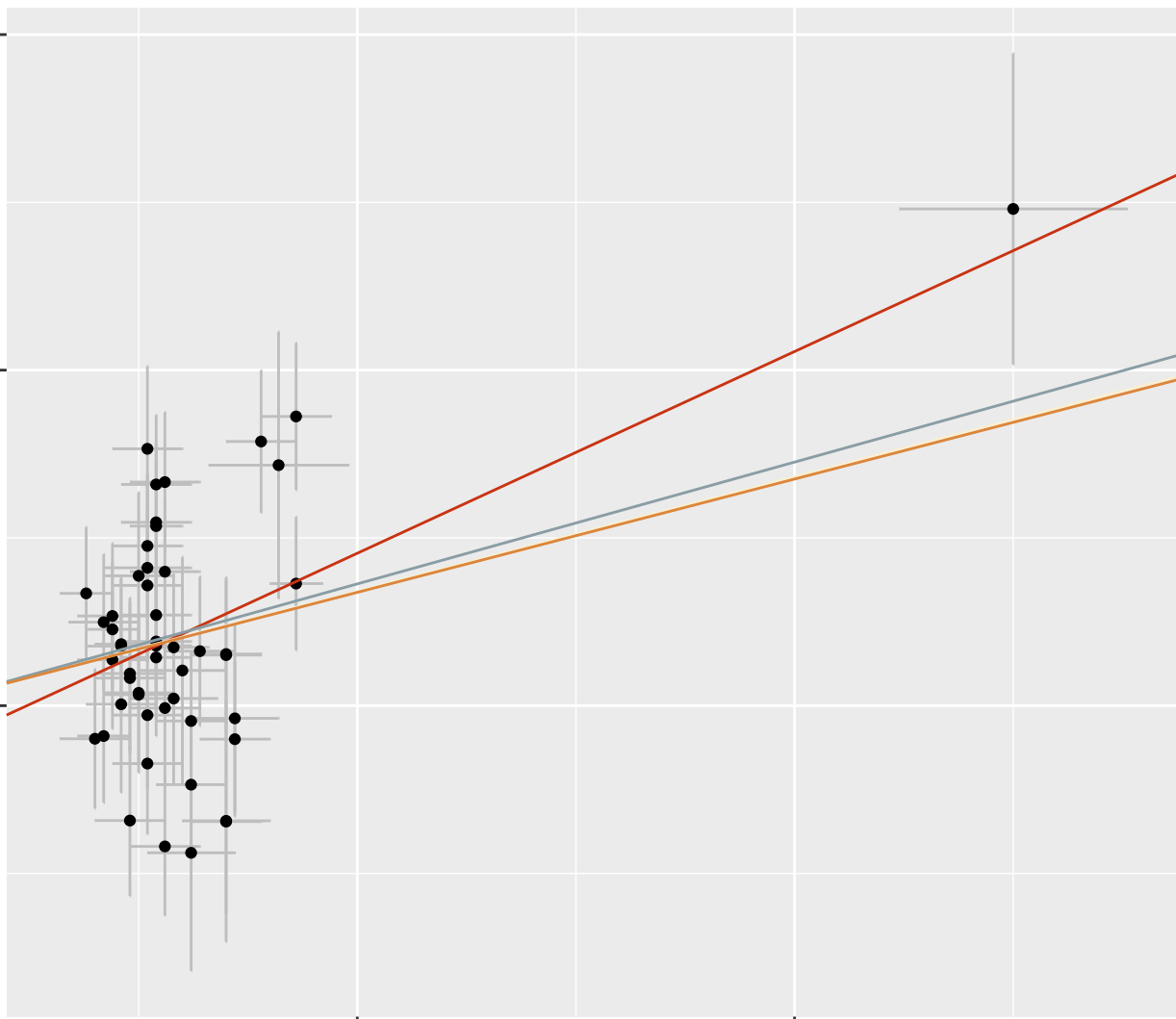
0.05

0.00

0.05

0.10

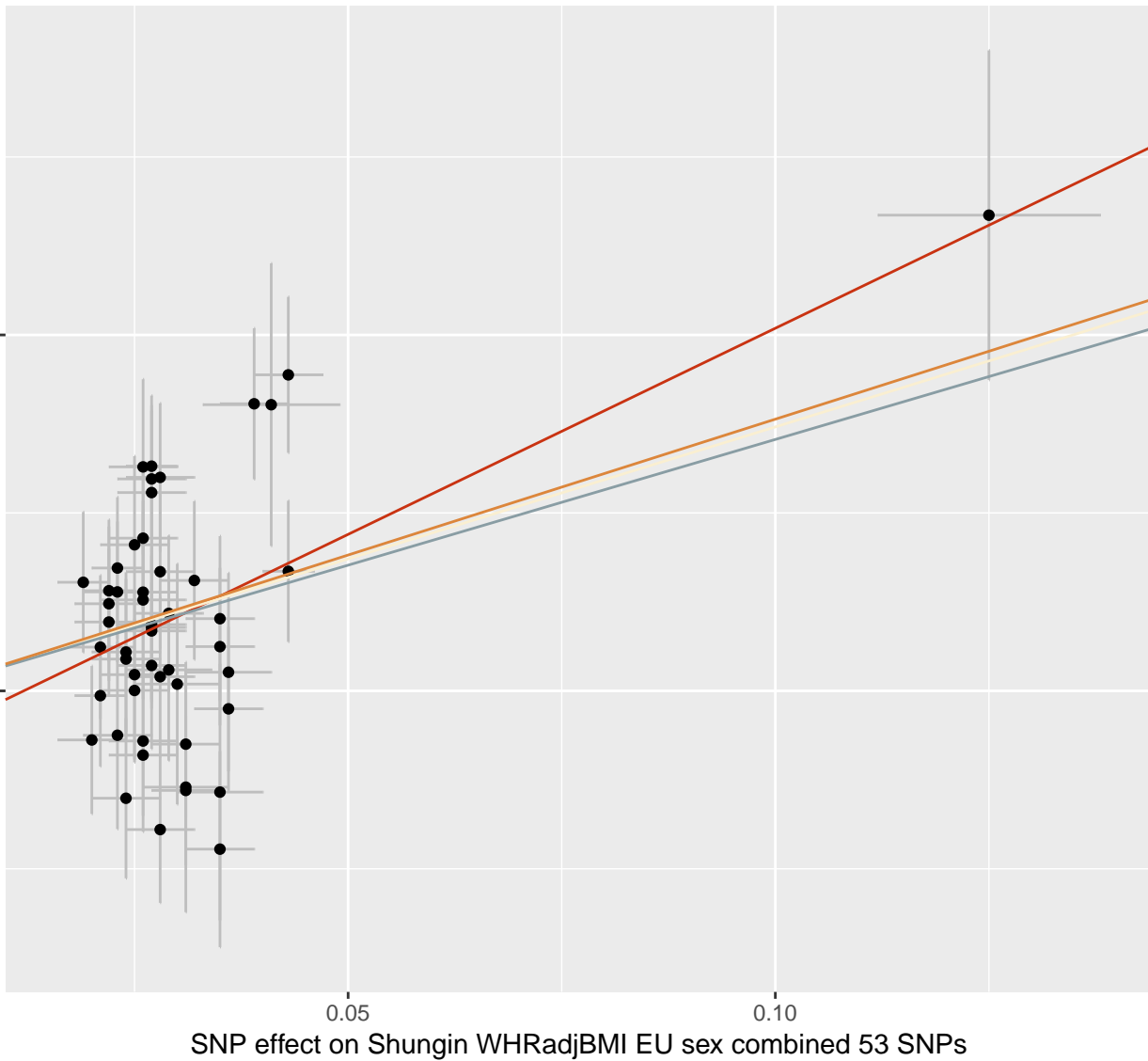
SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

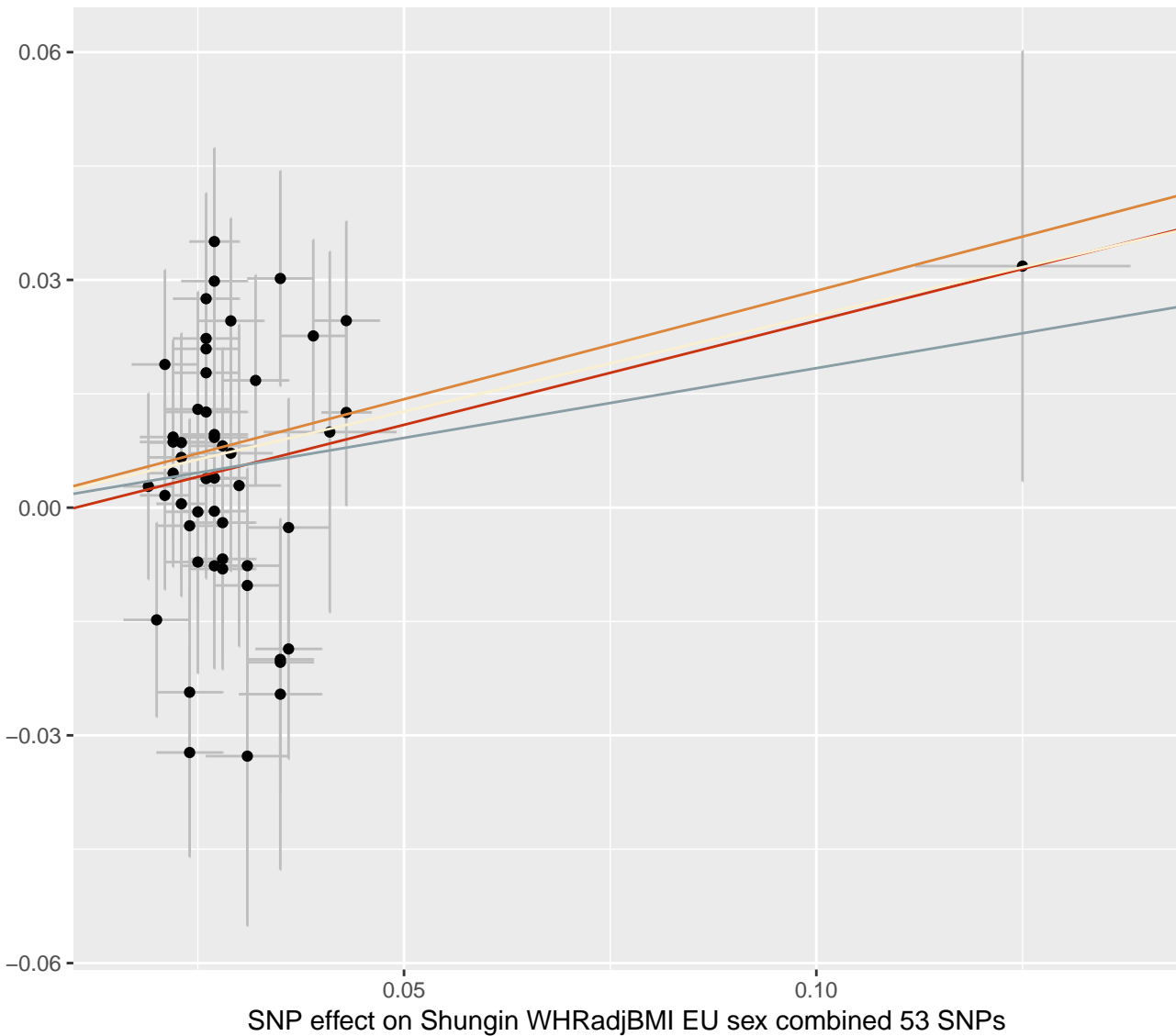
SNP effect on Triglycerides in medium VLDL || id:915



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

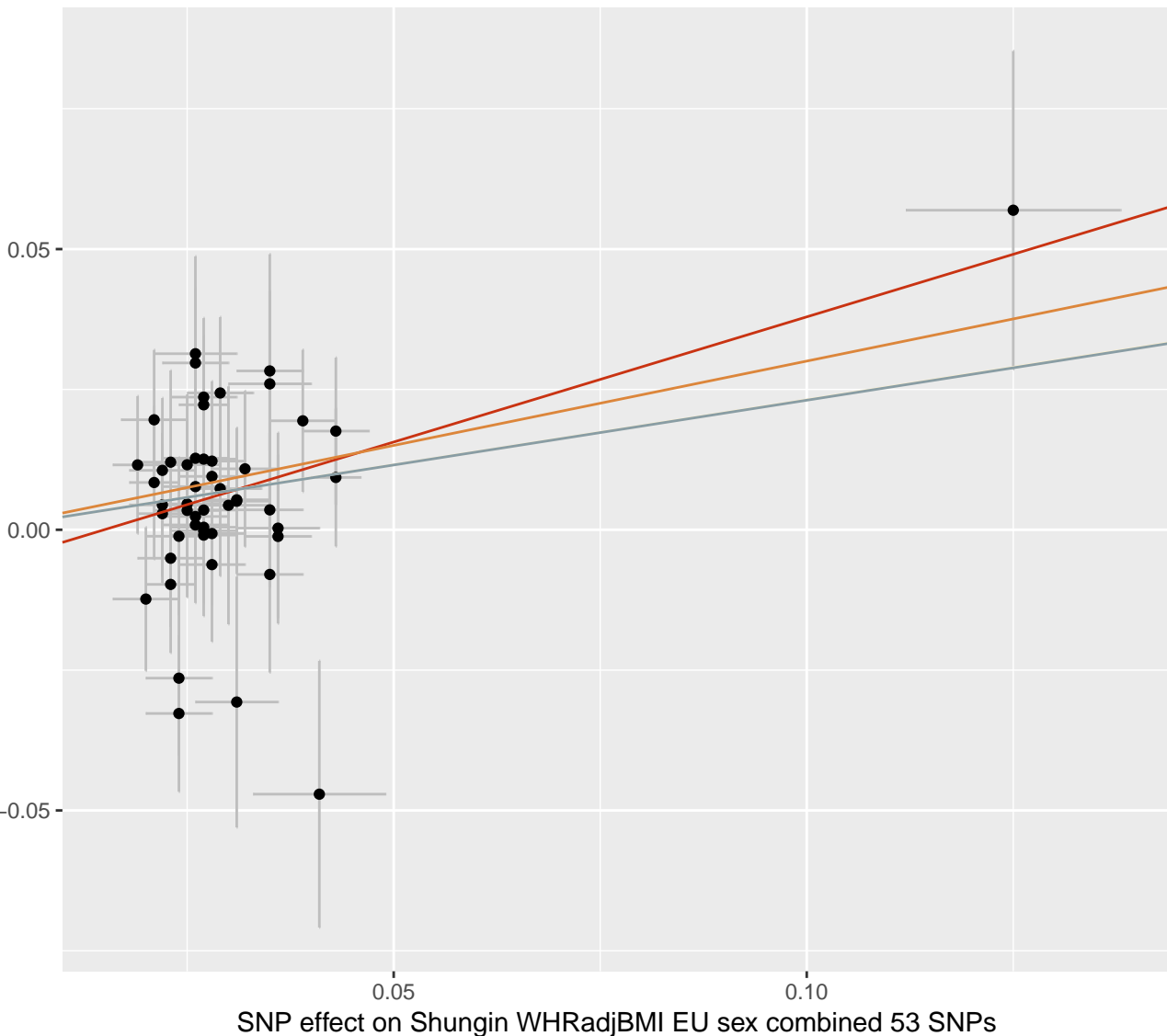
SNP effect on Mono-unsaturated fatty acids || id:916



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

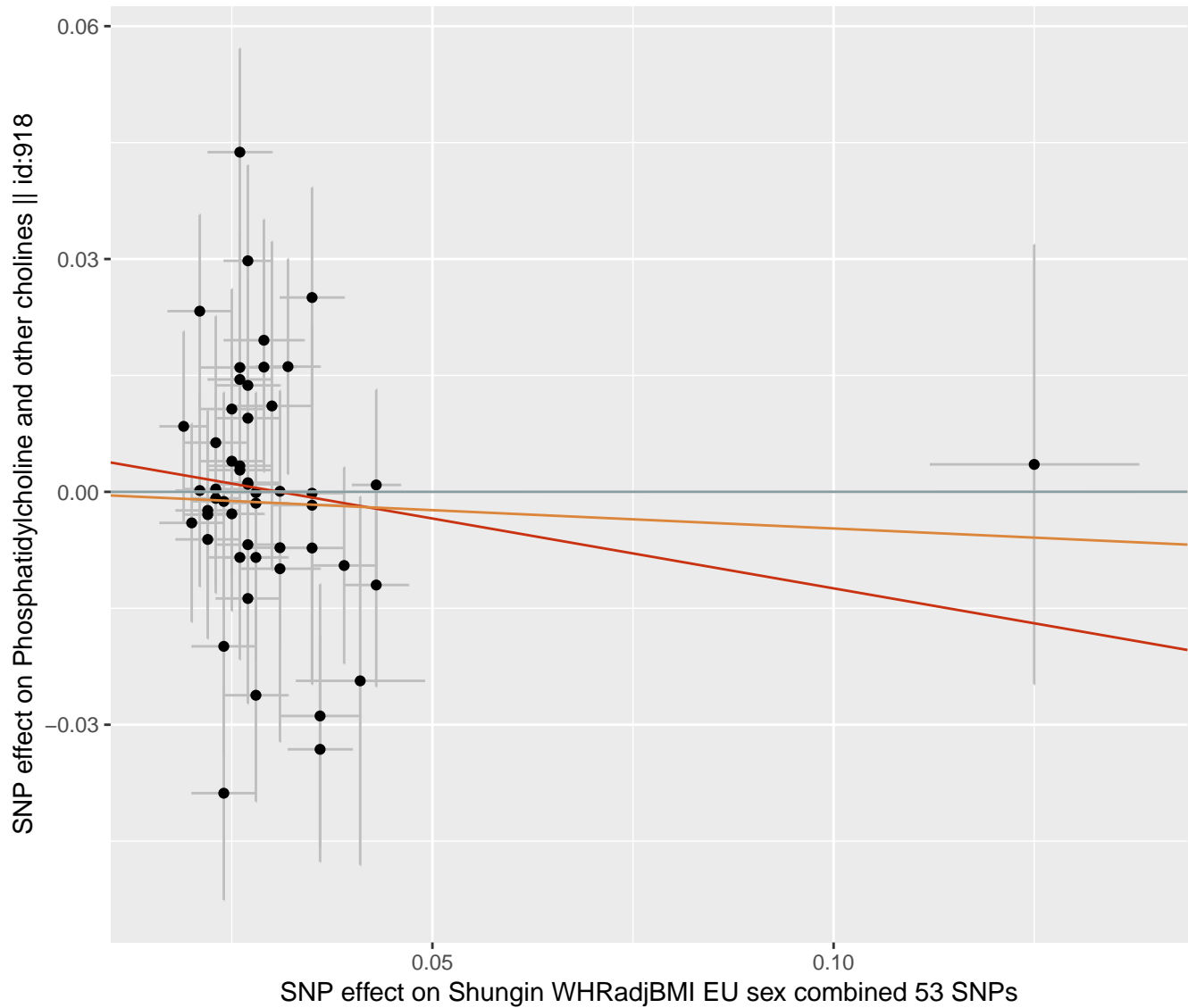
SNP effect on Other polyunsaturated fatty acids than 18:2 || id:917





# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

SNP effect on Phenylalanine || id:919

0.025

0.000

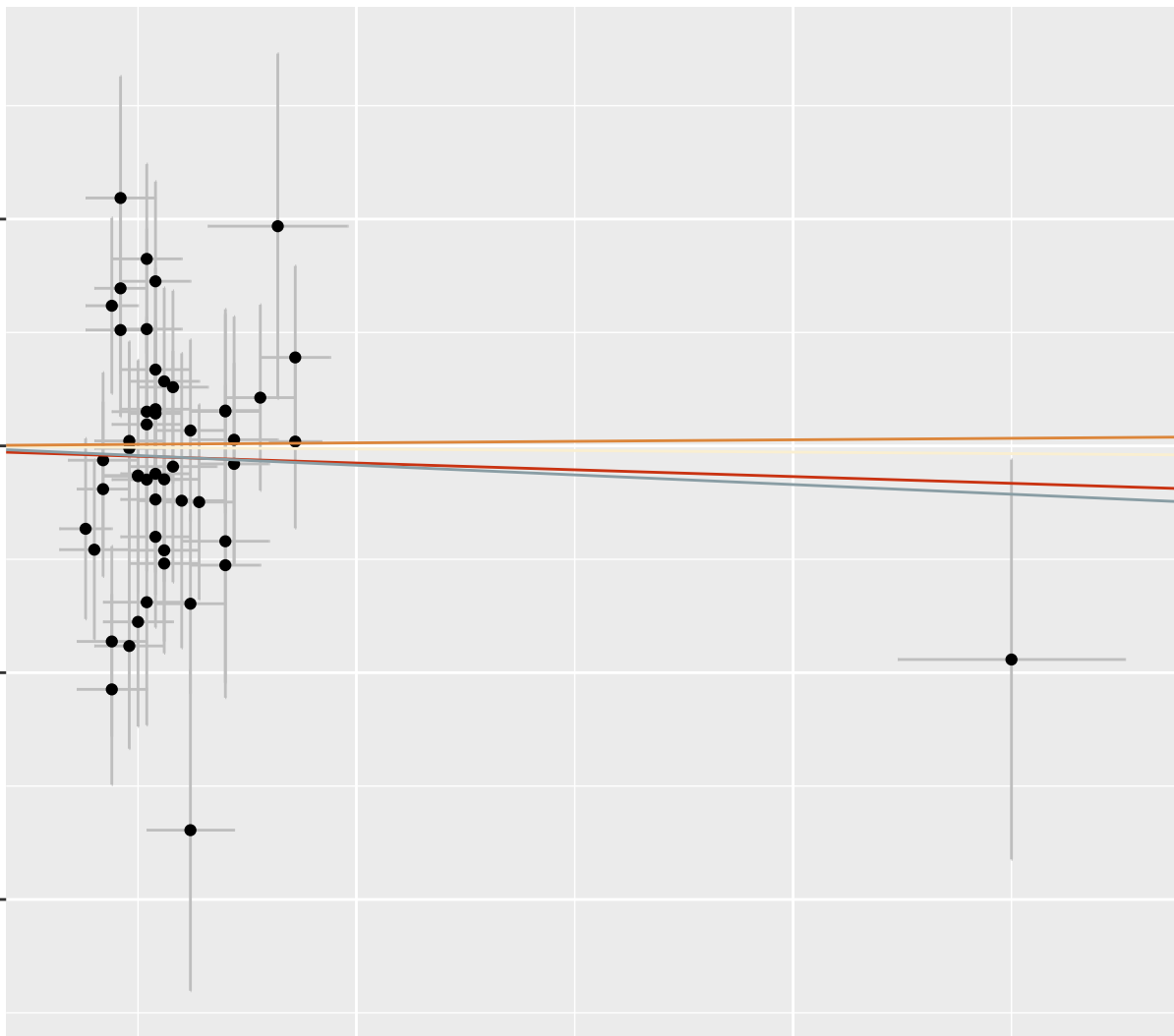
-0.025

-0.050

0.05

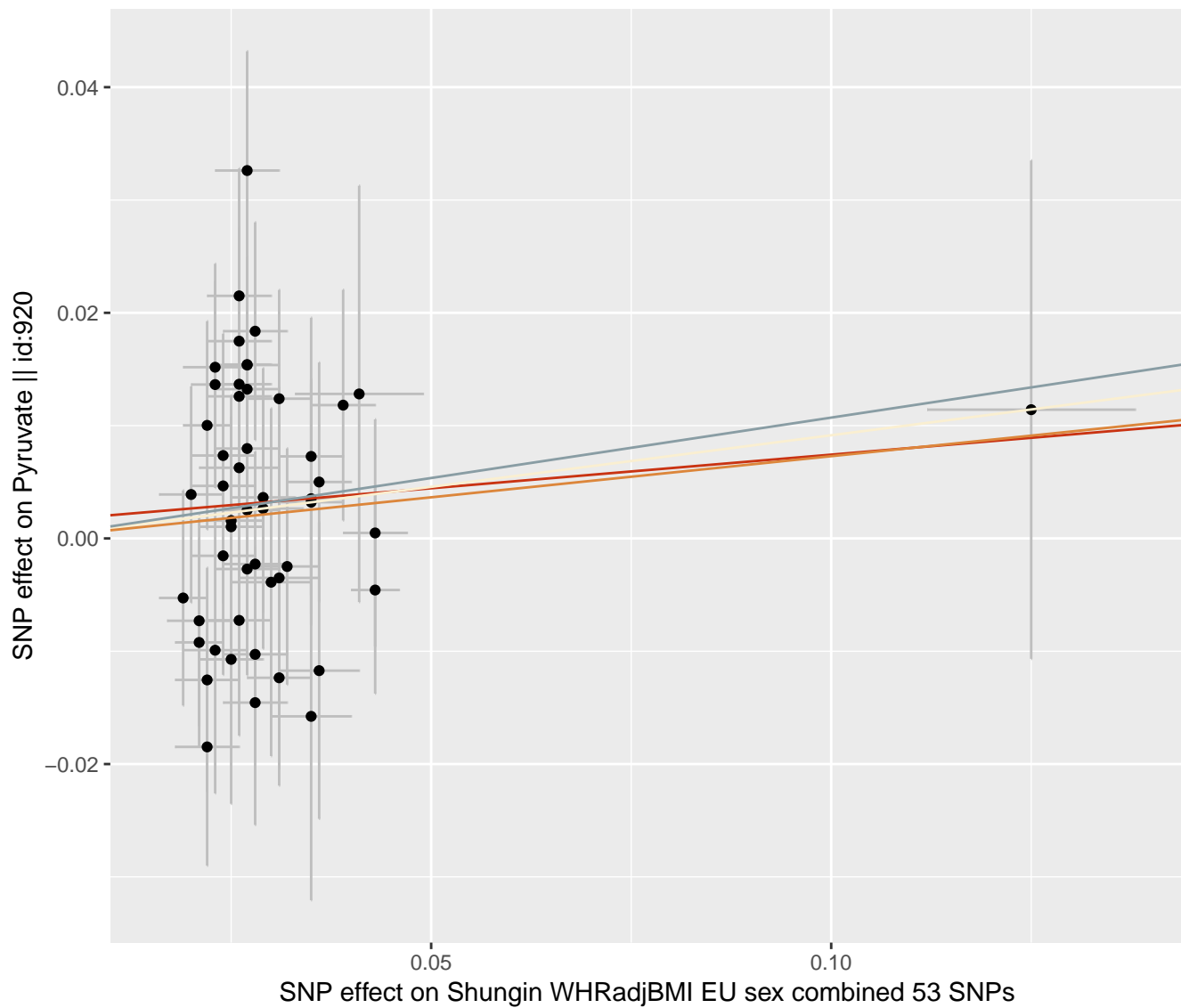
0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



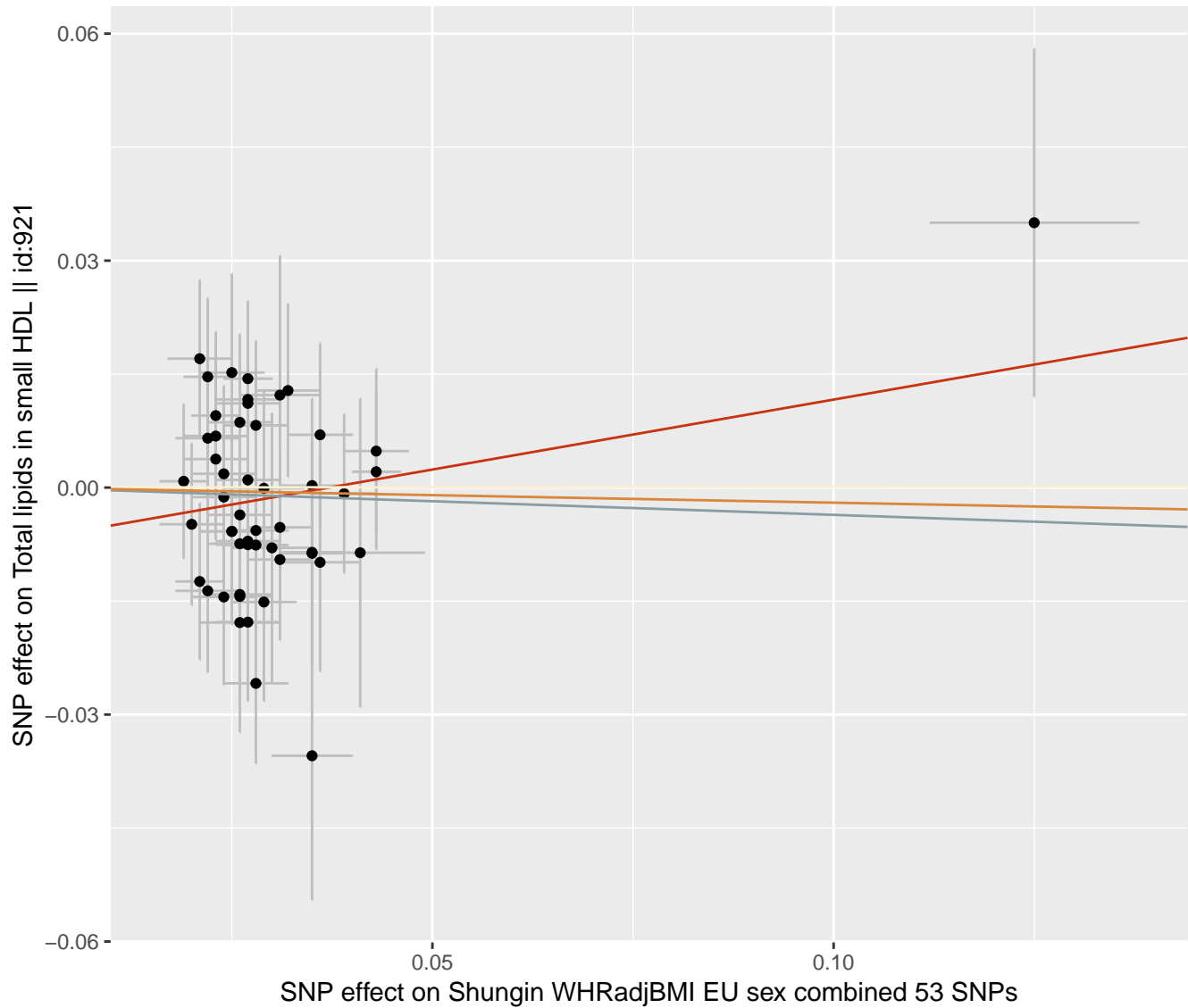
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

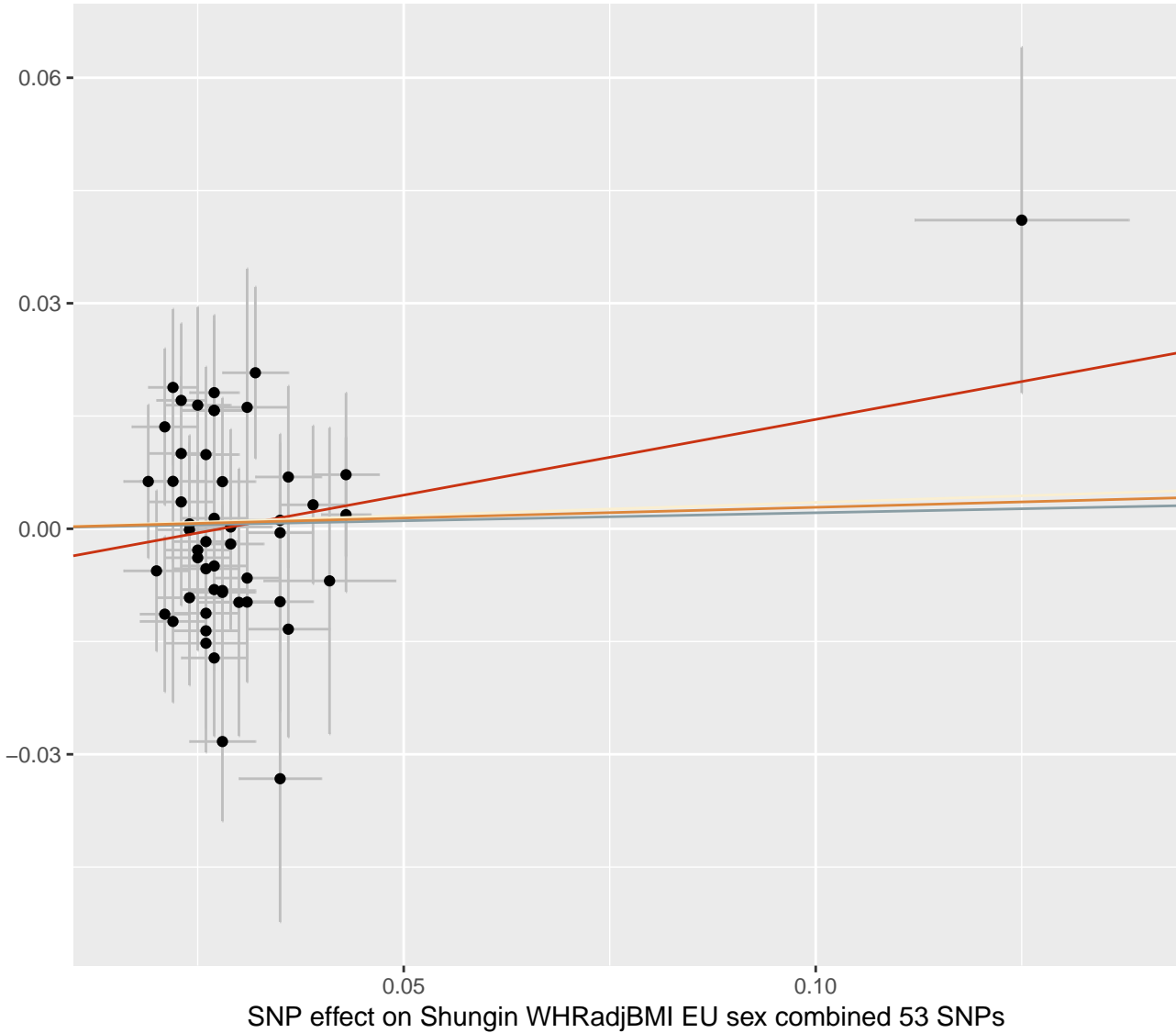
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Concentration of small HDL particles || id:922



# MR Test



Inverse variance weighted (multiplicative random effects)

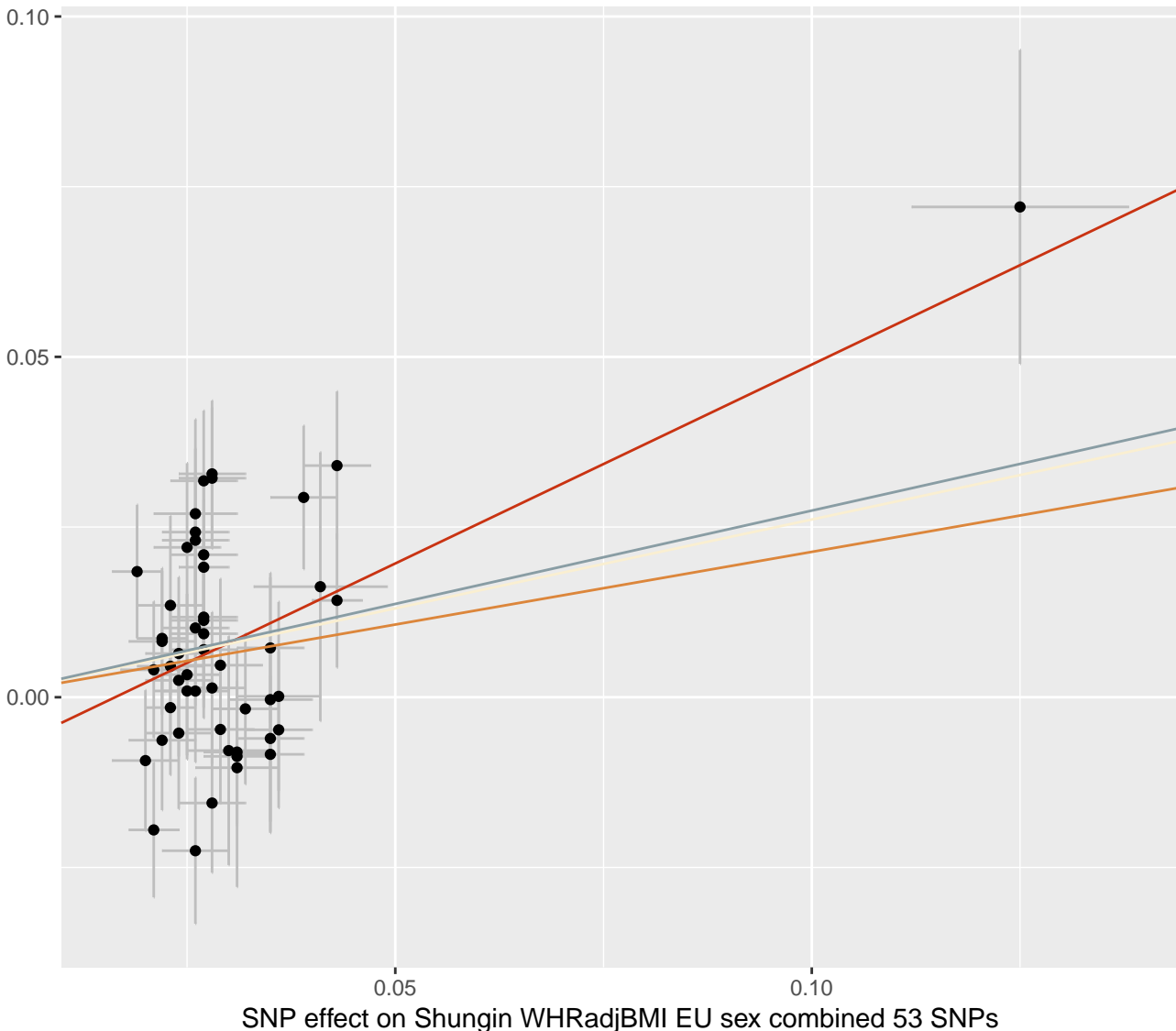
MR Egger



Weighted median

Weighted mode

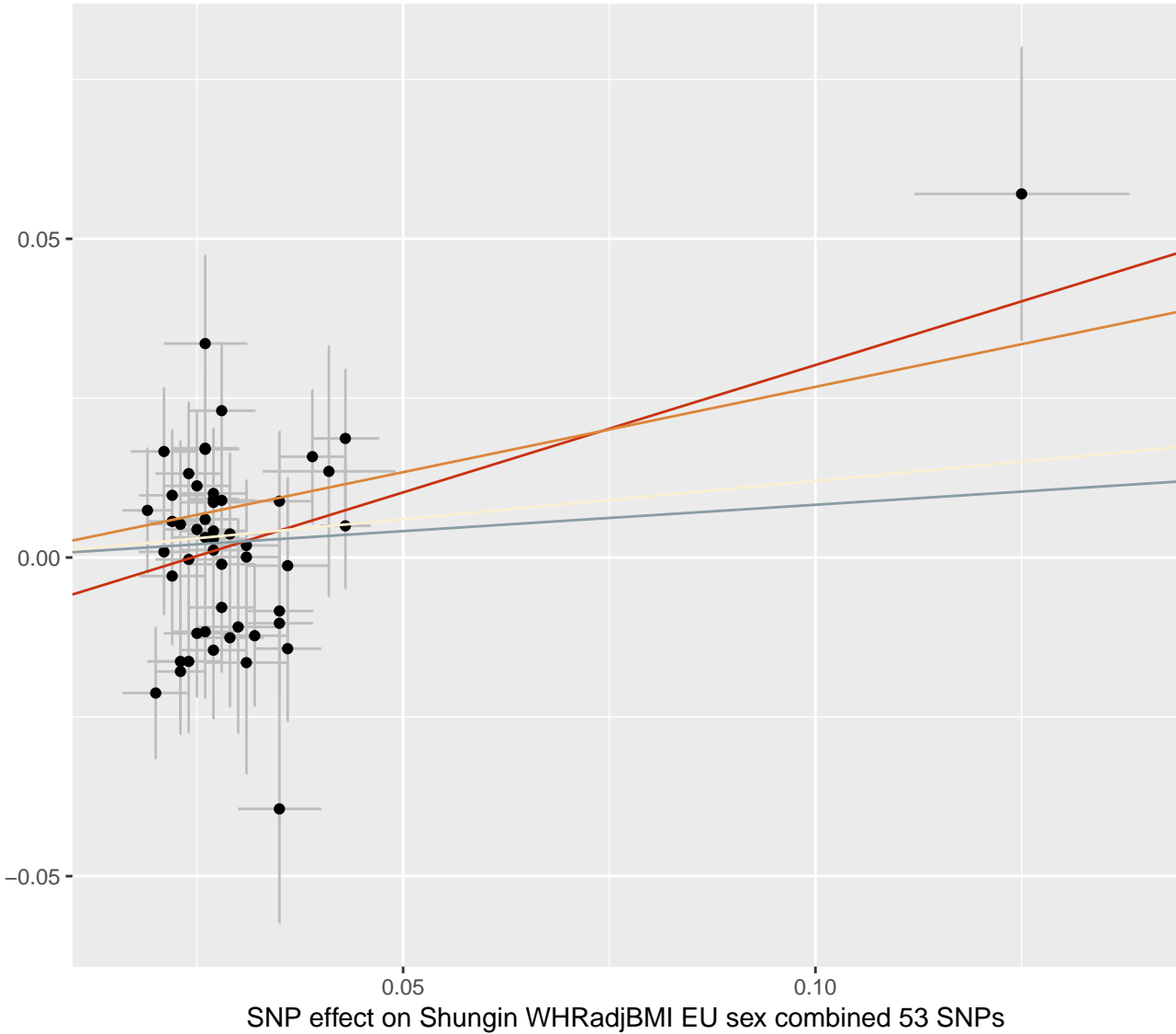
SNP effect on Triglycerides in small HDL || id:923



# MR Test

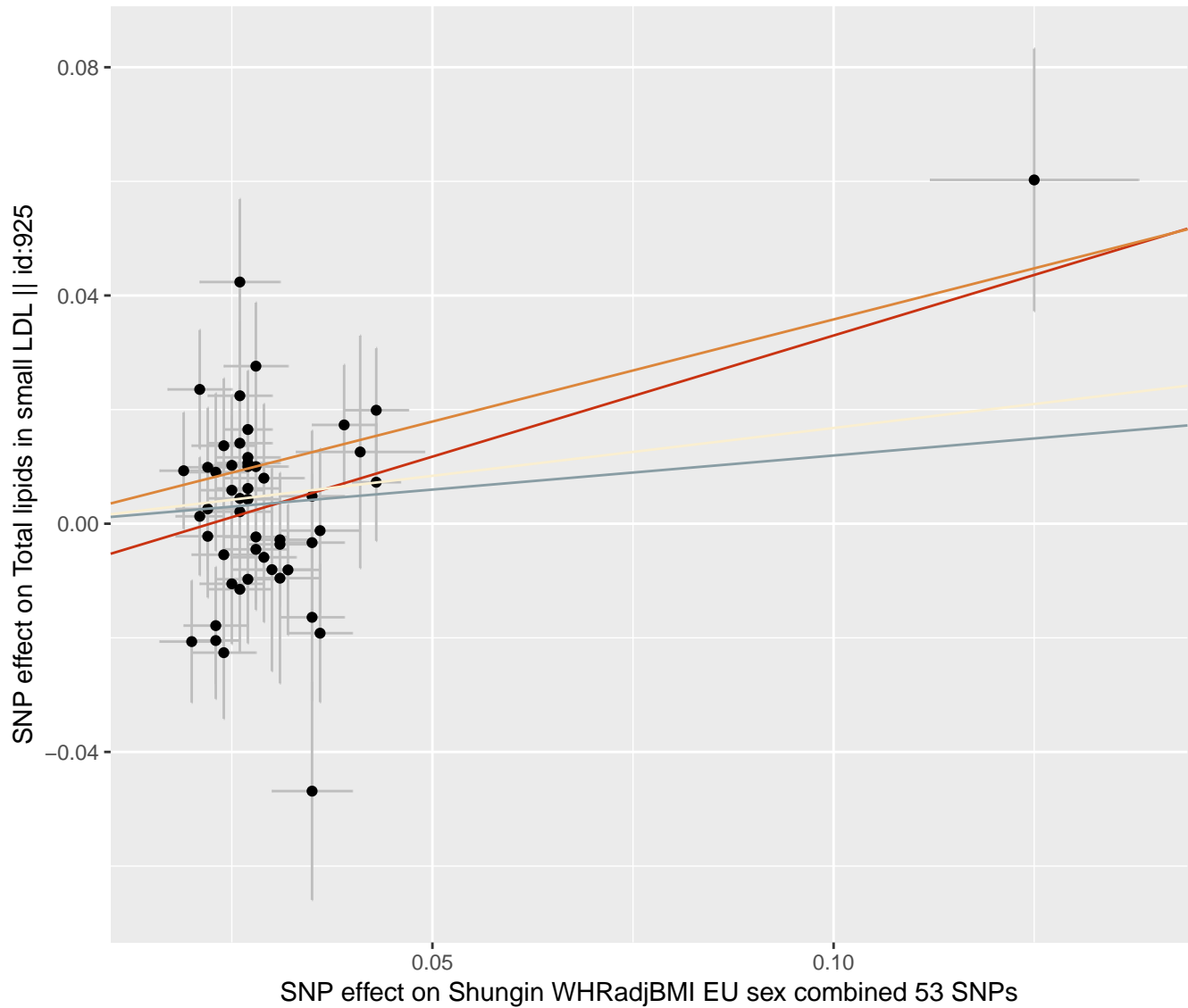
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total cholesterol in small LDL || id:924



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

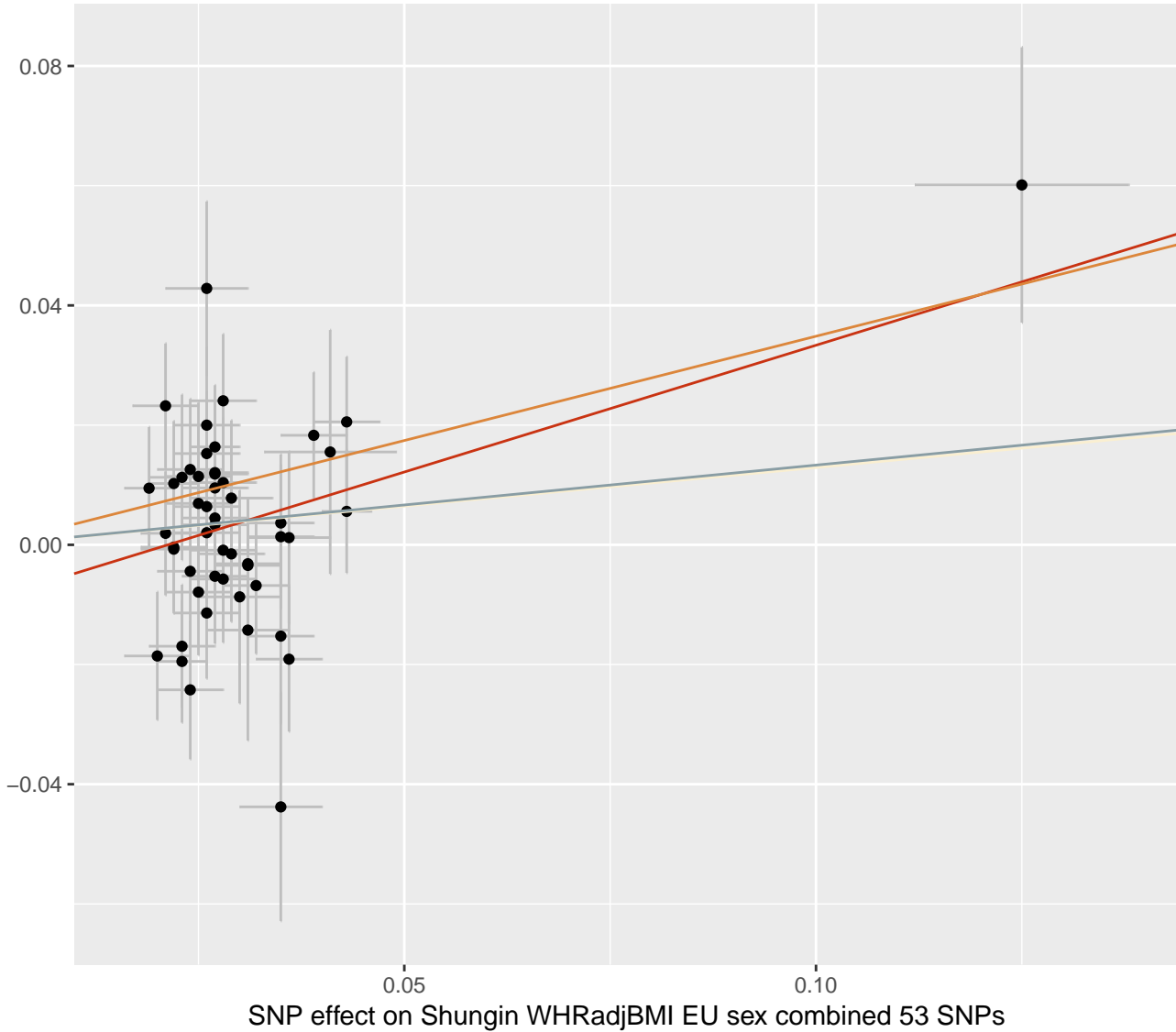




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

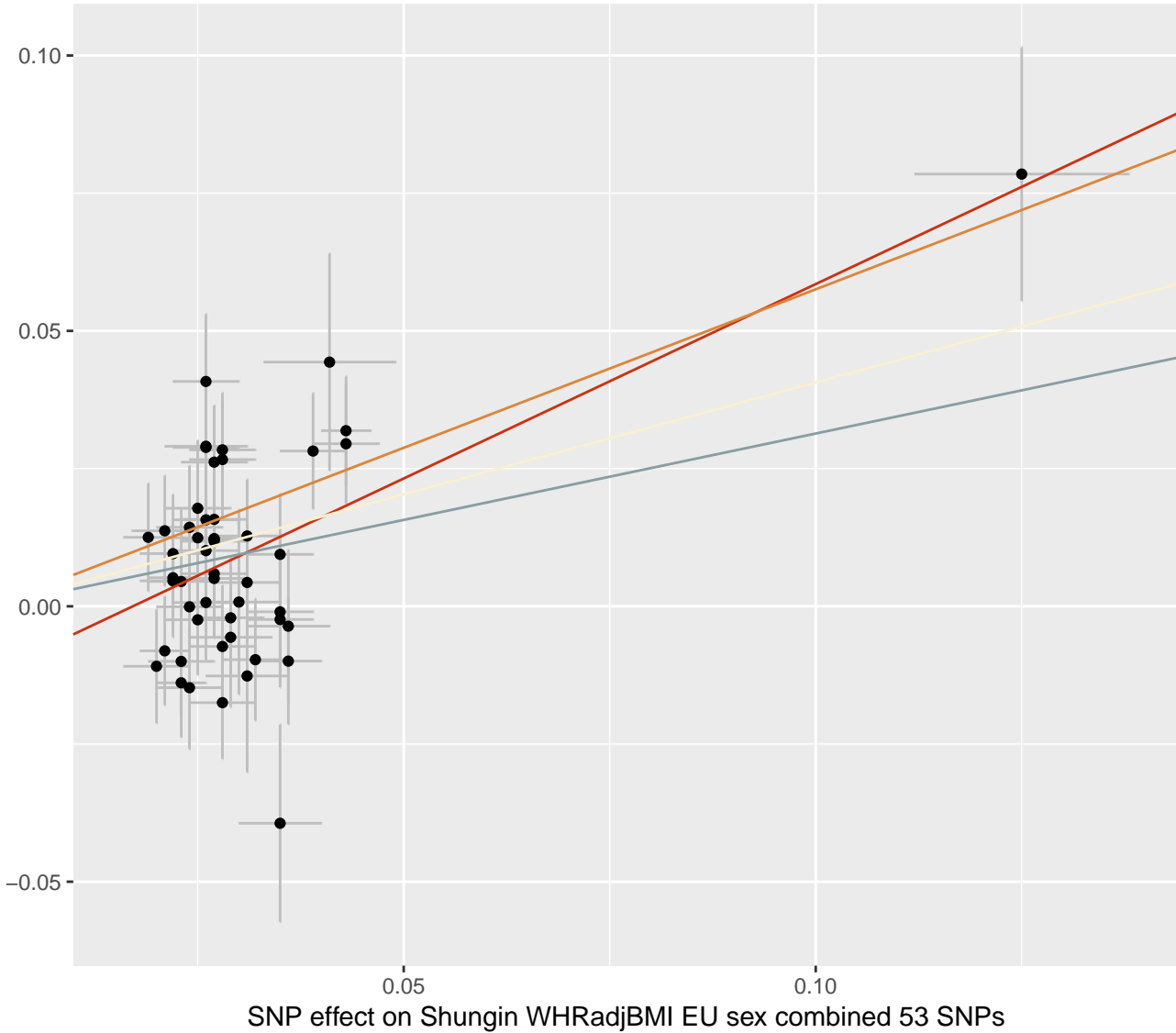
SNP effect on Concentration of small LDL particles || id:926



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

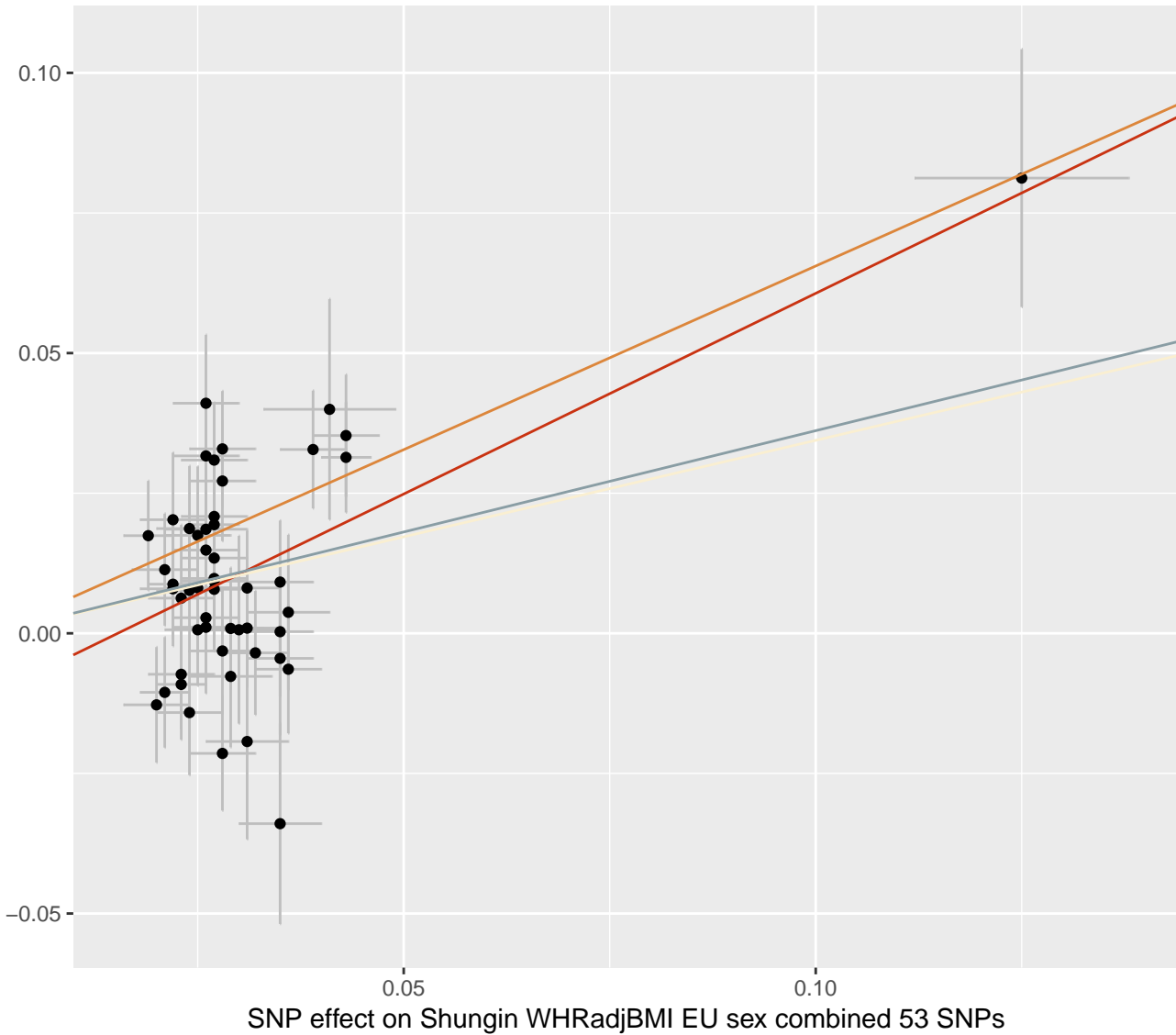
SNP effect on Total cholesterol in small VLDL || id:927



# MR Test

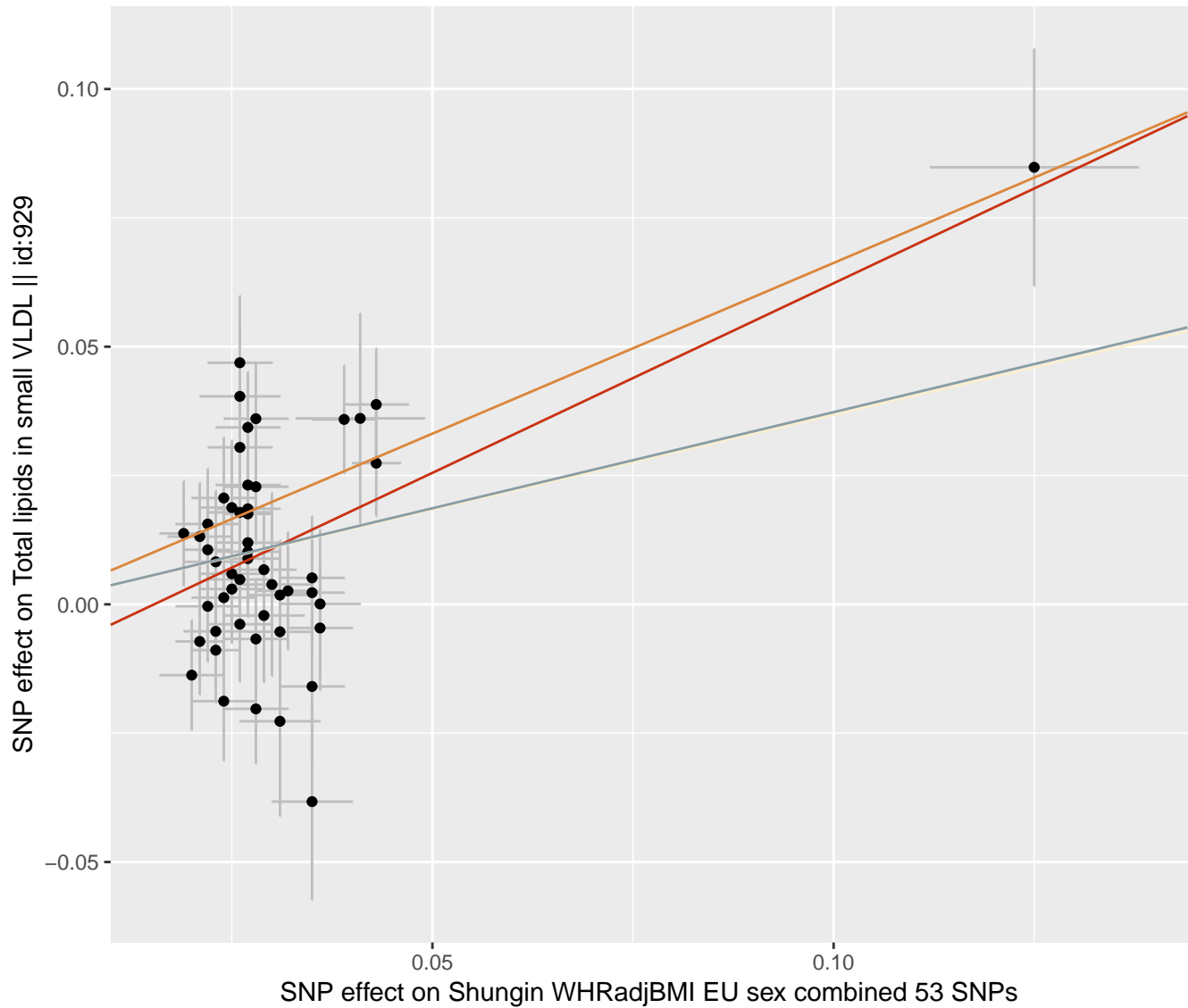
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Free cholesterol in small VLDL || id:928



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

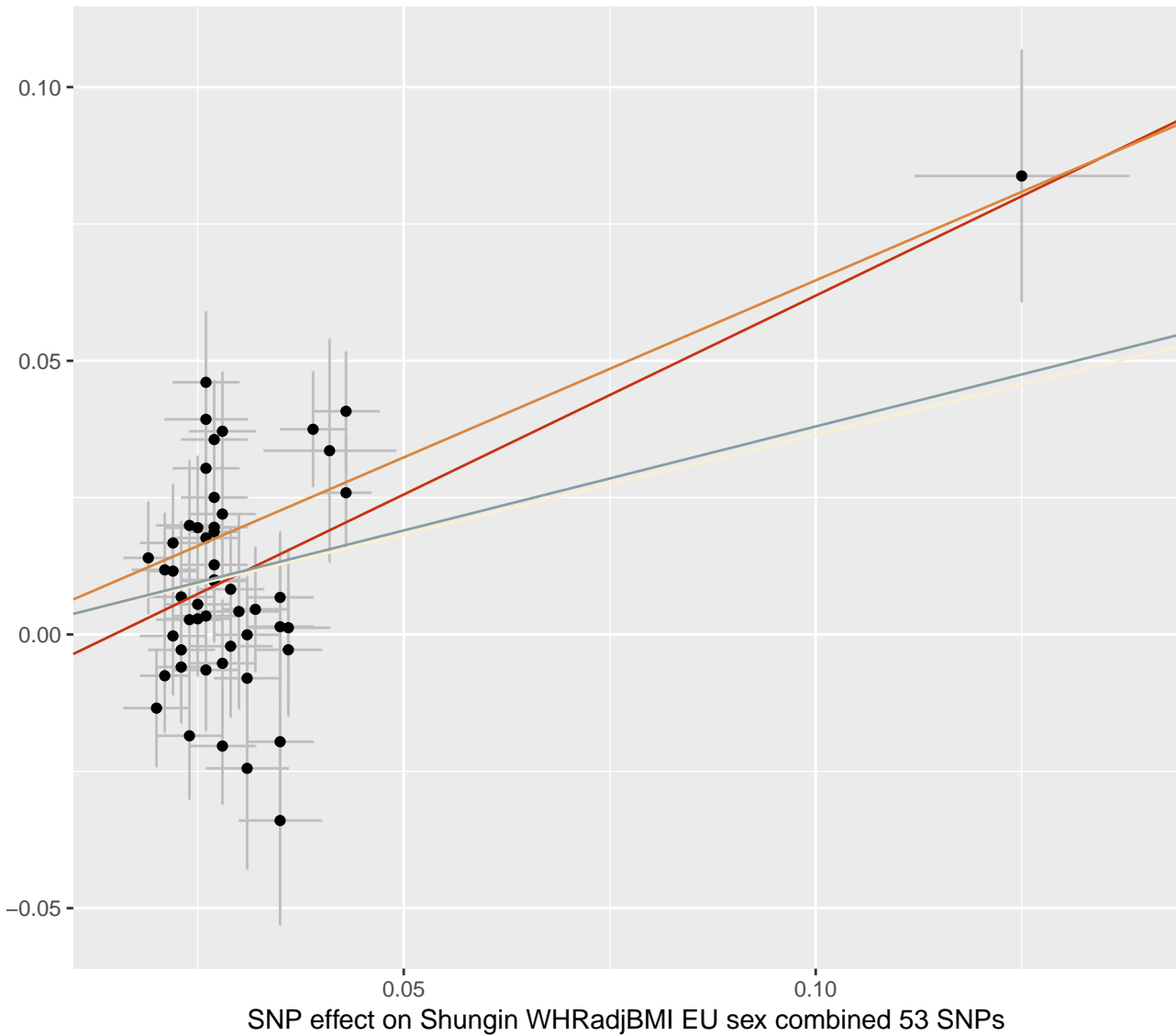


Weighted median



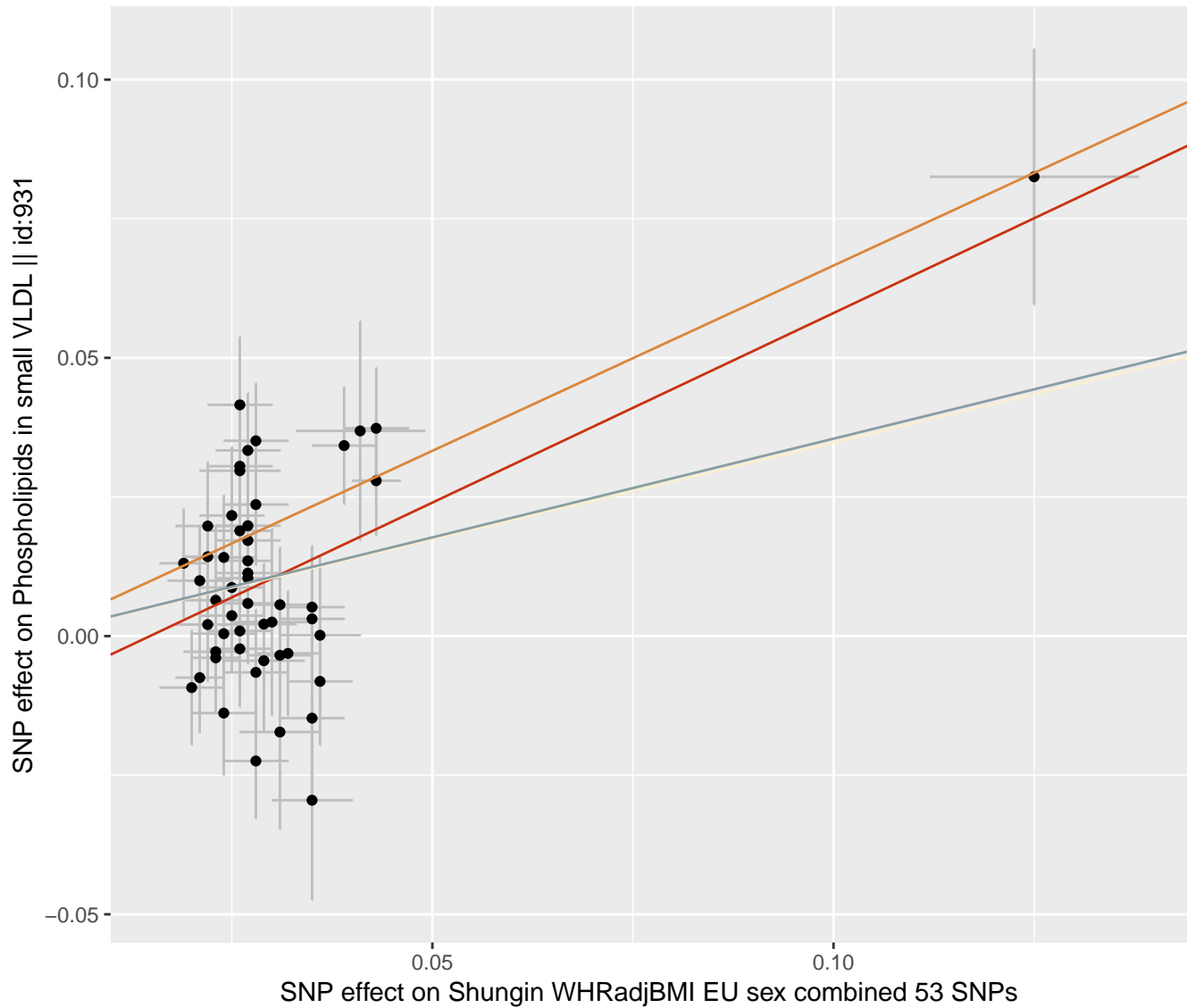
Weighted mode

SNP effect on Concentration of small VLDL particles || id:930



# MR Test

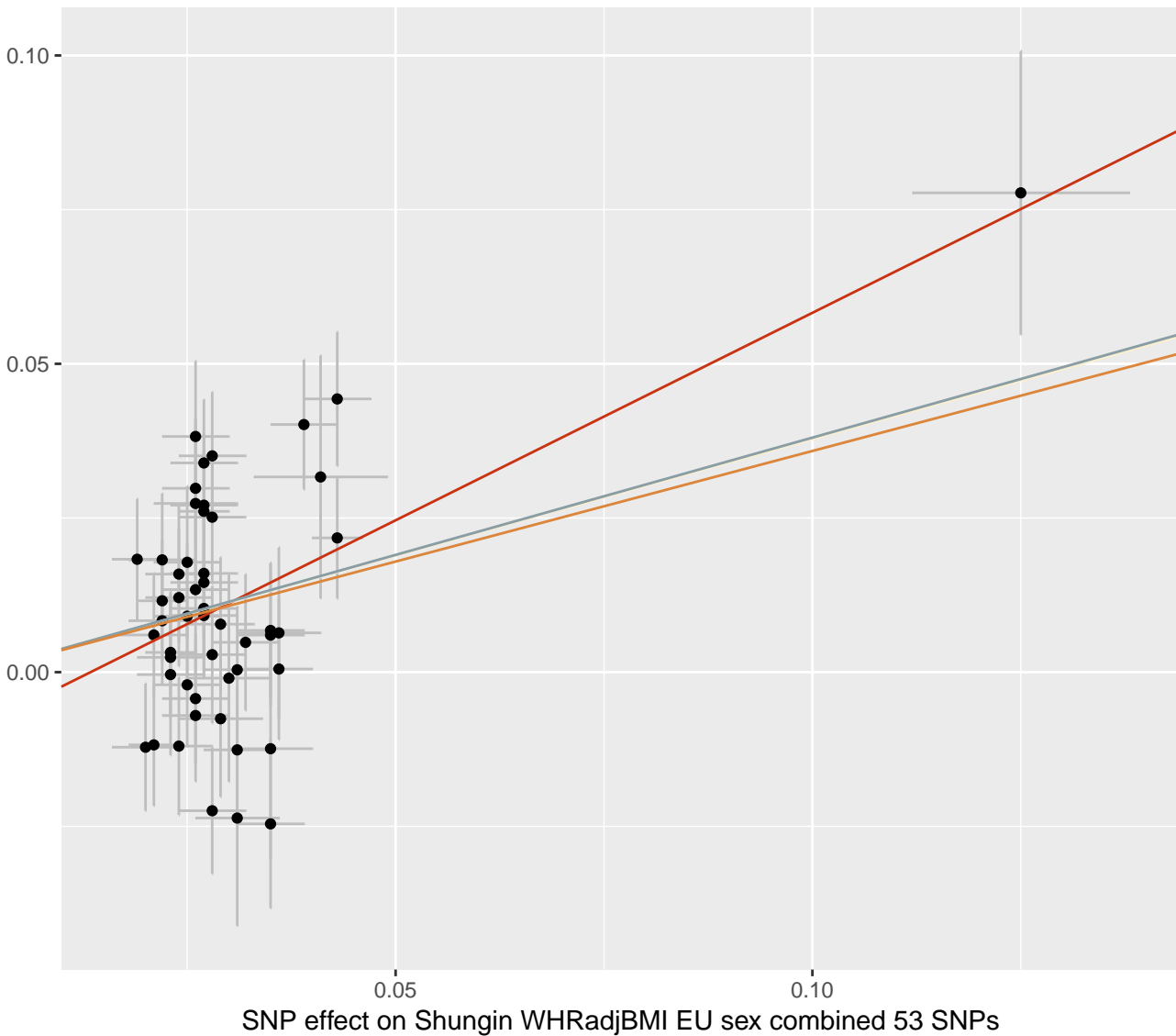
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

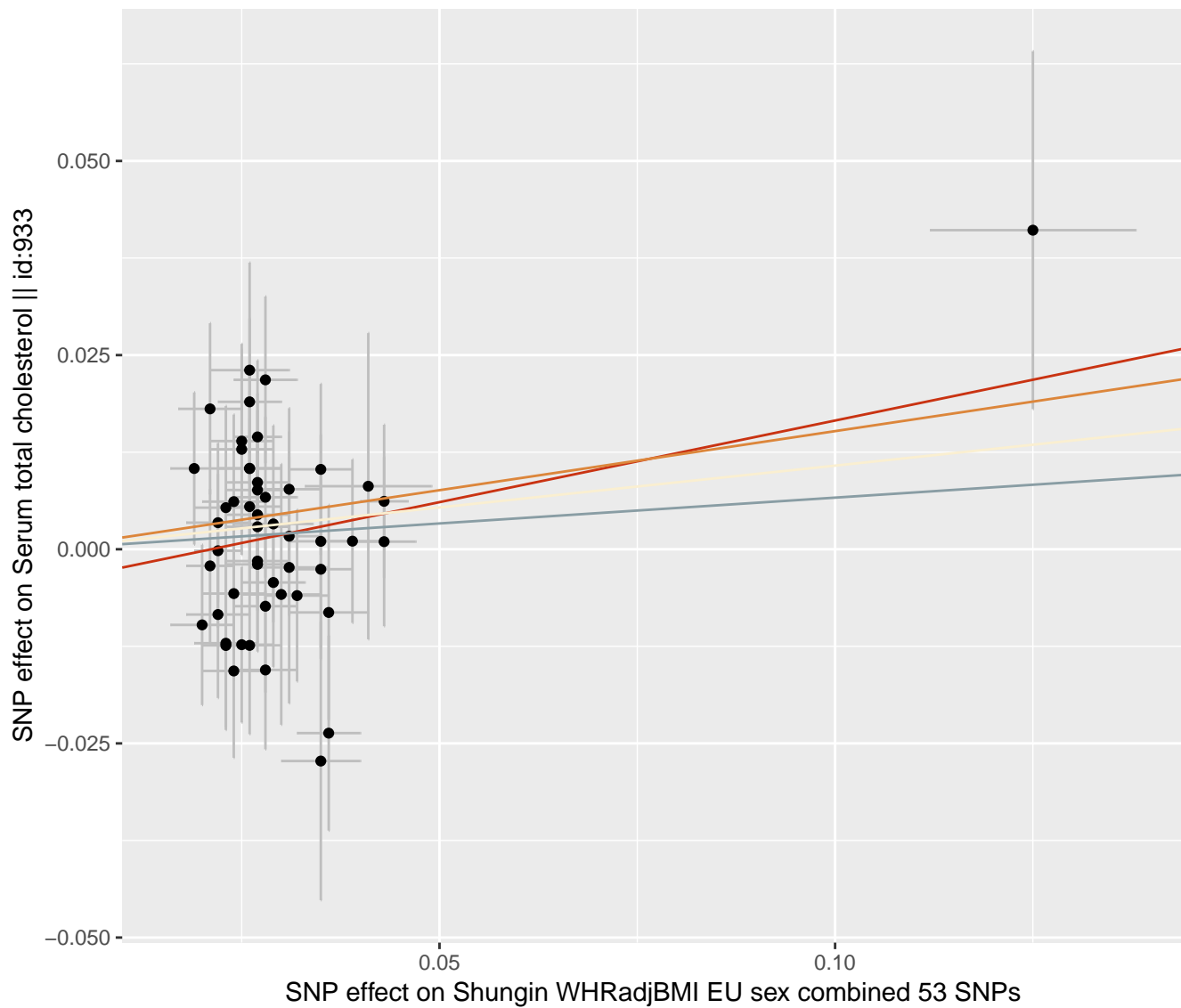
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Triglycerides in small VLDL || id:932



# MR Test

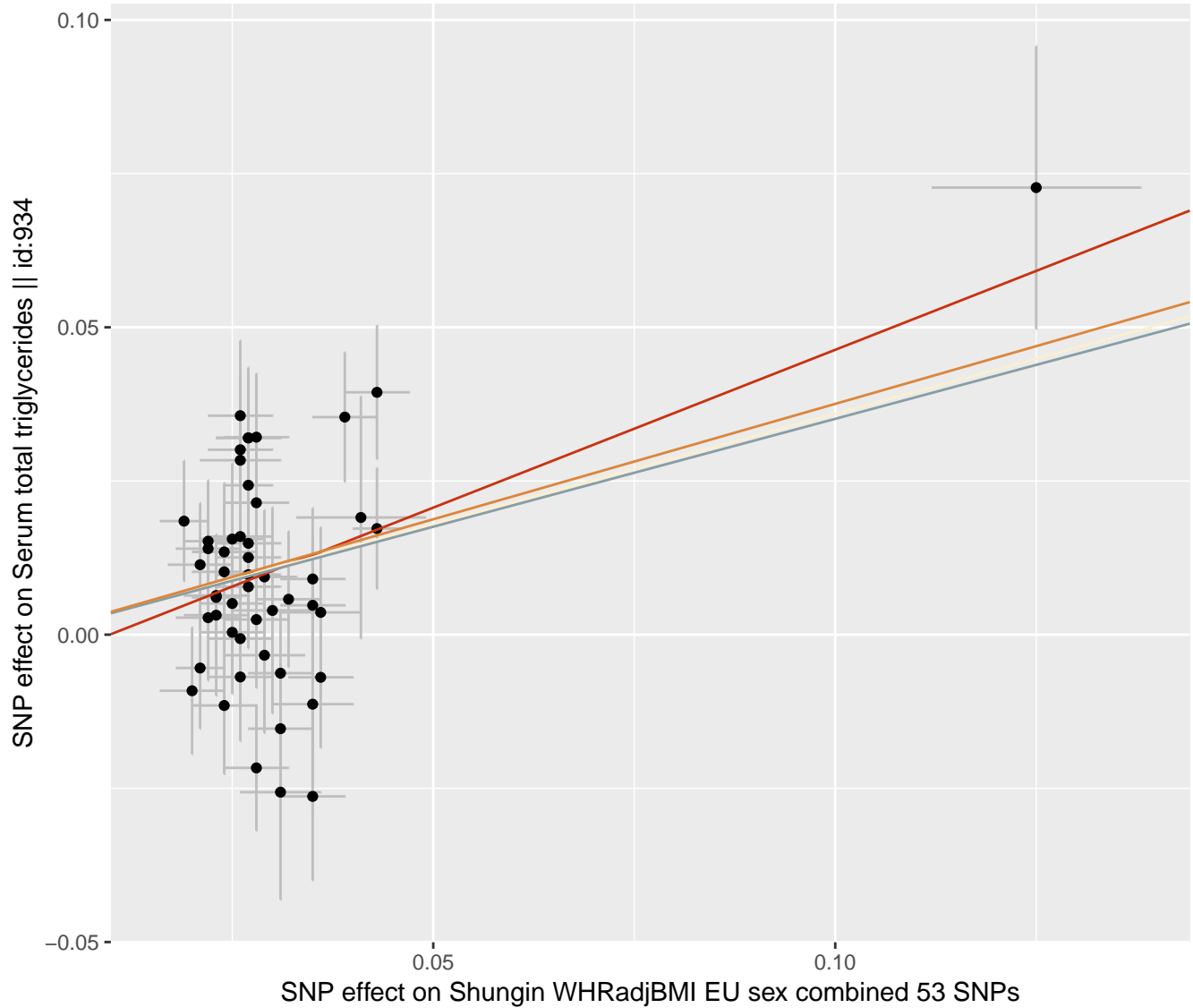
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode





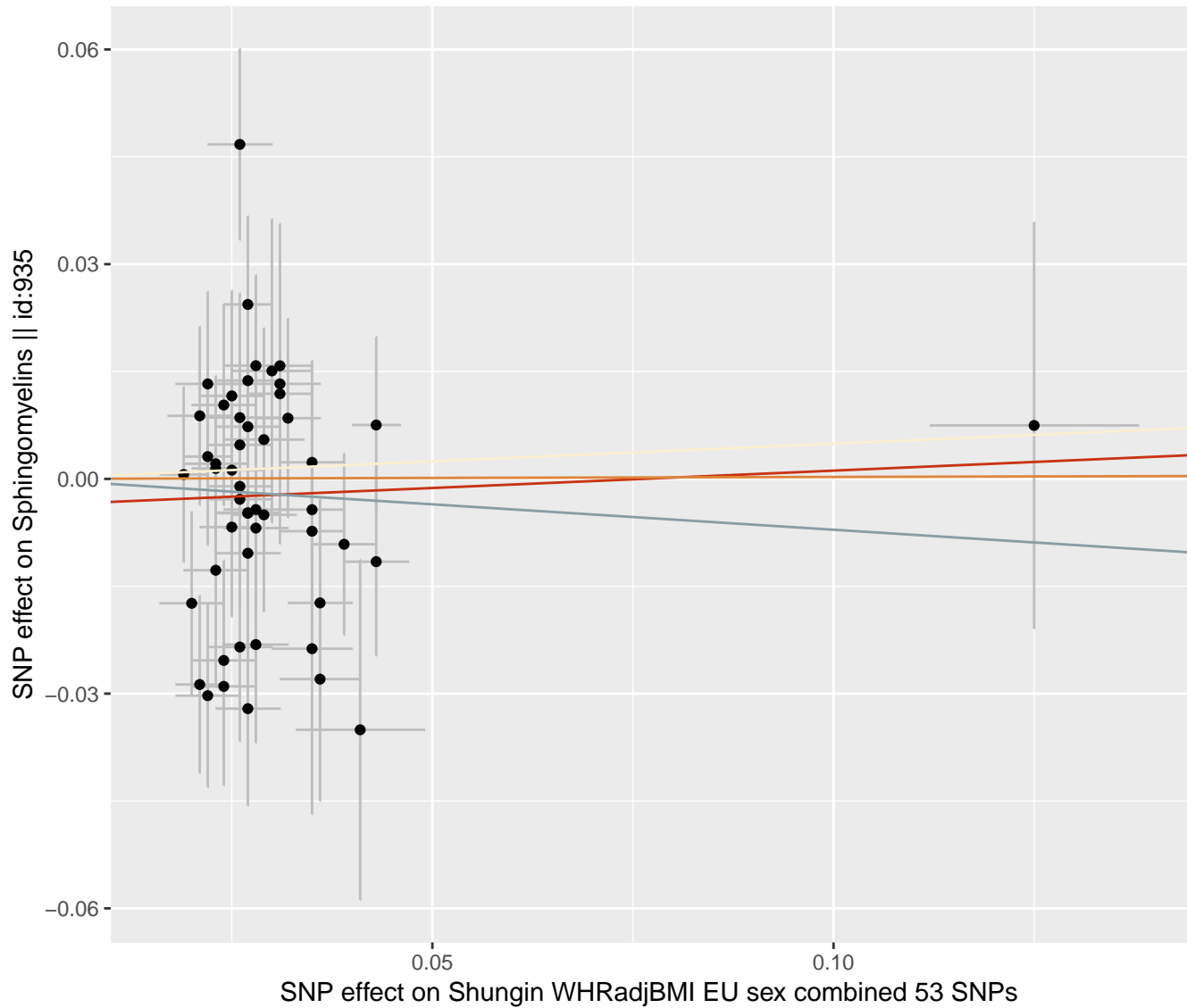
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



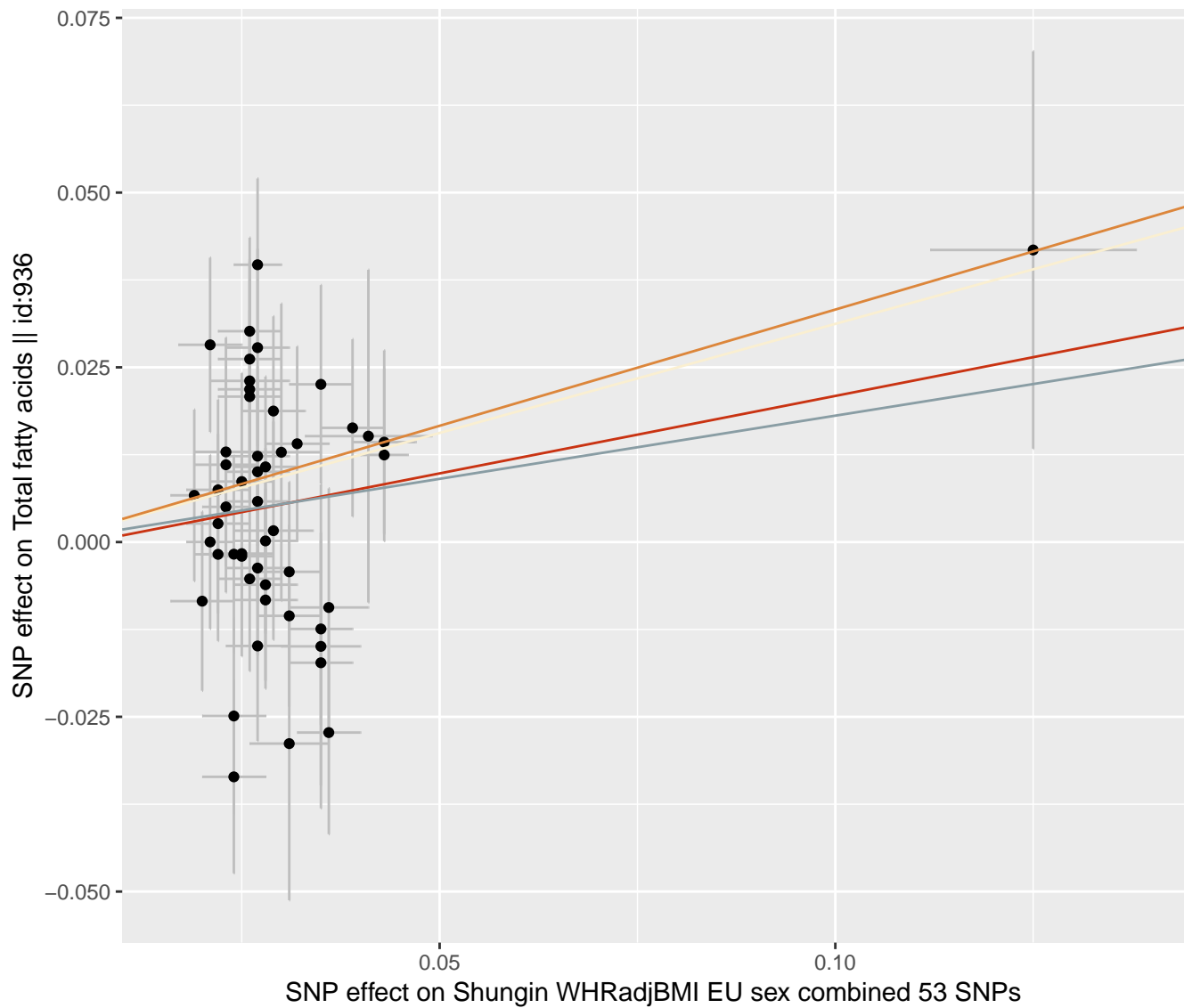
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



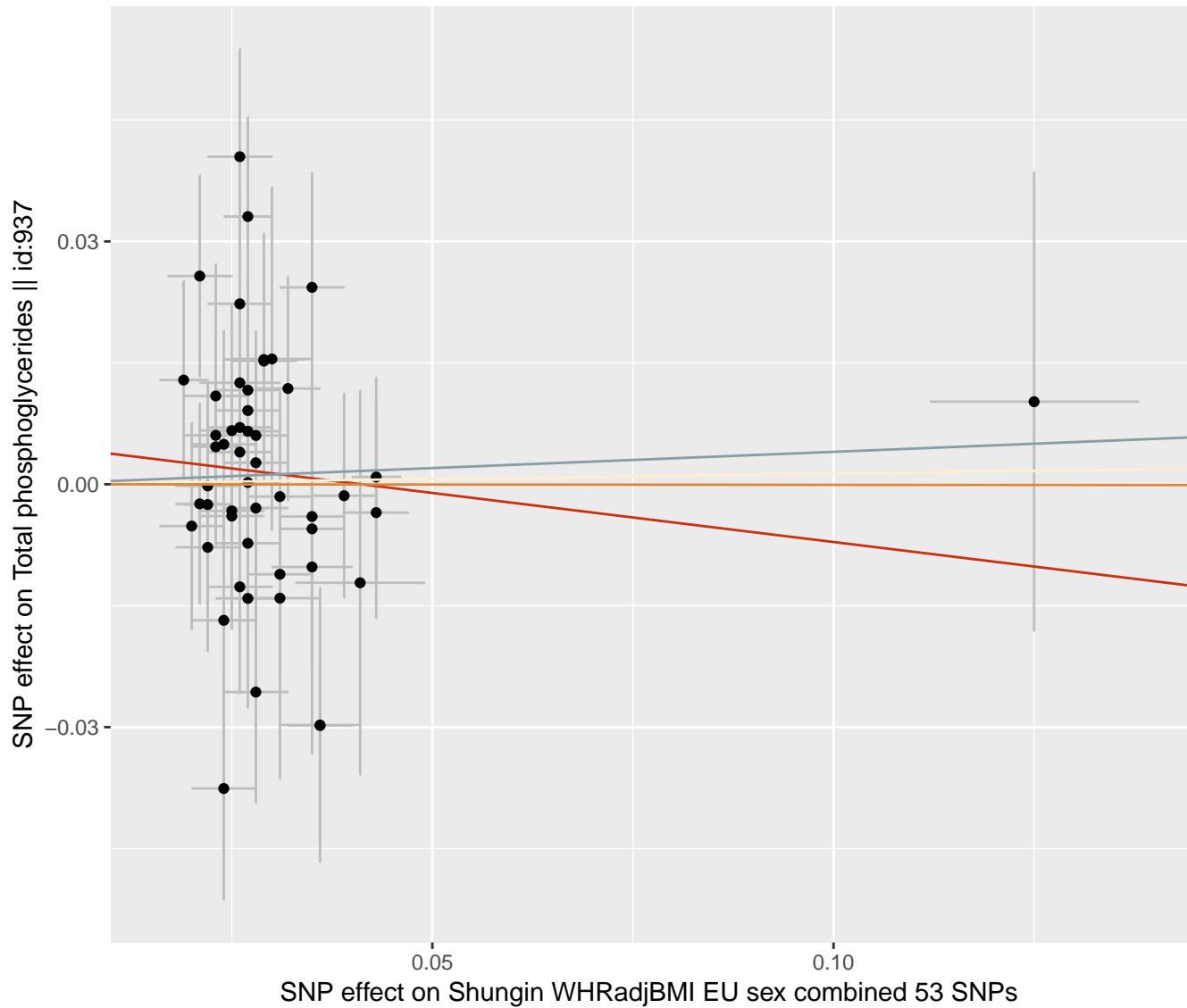
# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

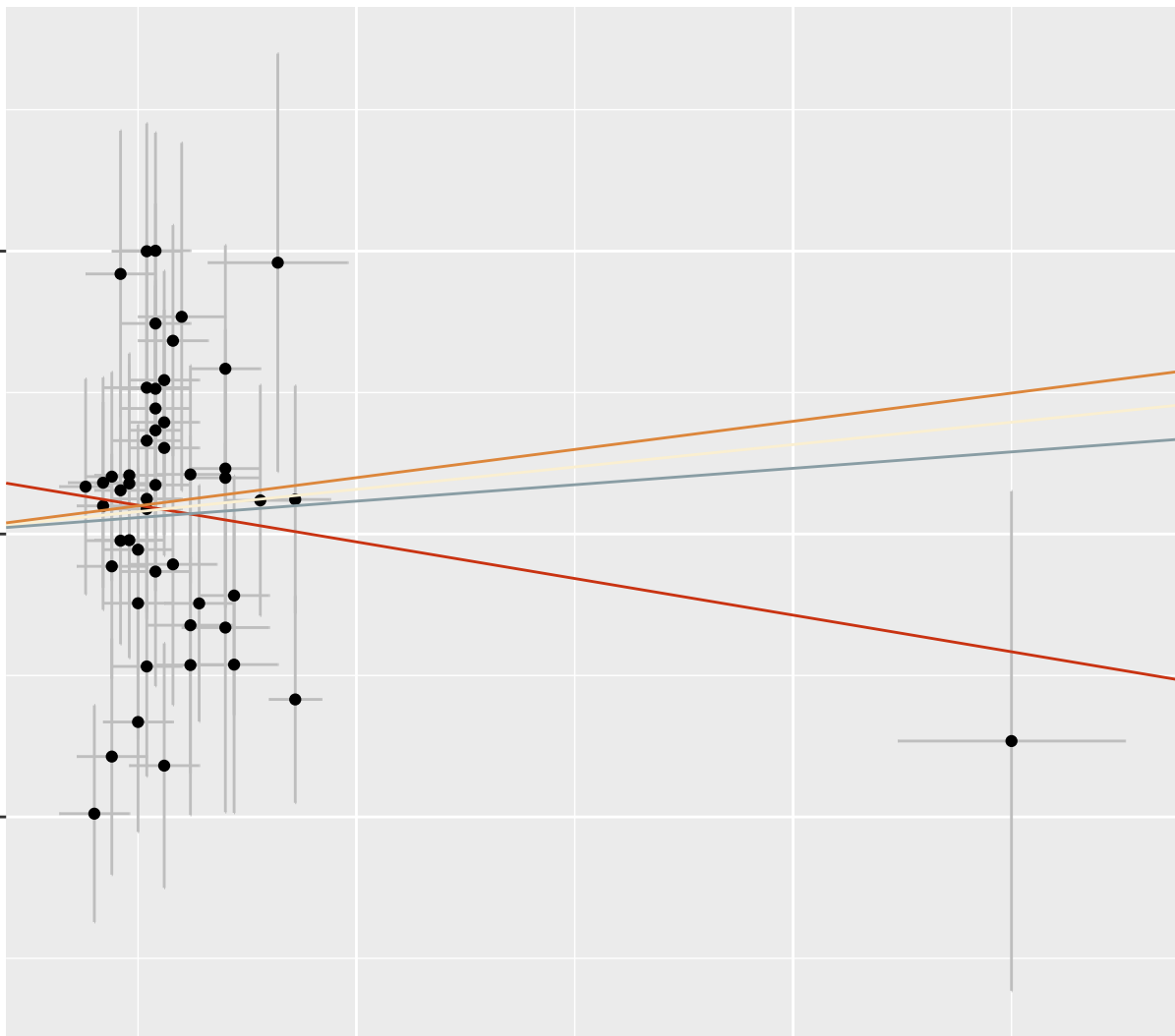
SNP effect on Tyrosine || id:938

0.025  
0.000  
-0.025

0.05

0.10

SNP effect on Shungin WHRadjBMI EU sex combined 53 SNPs



# MR Test

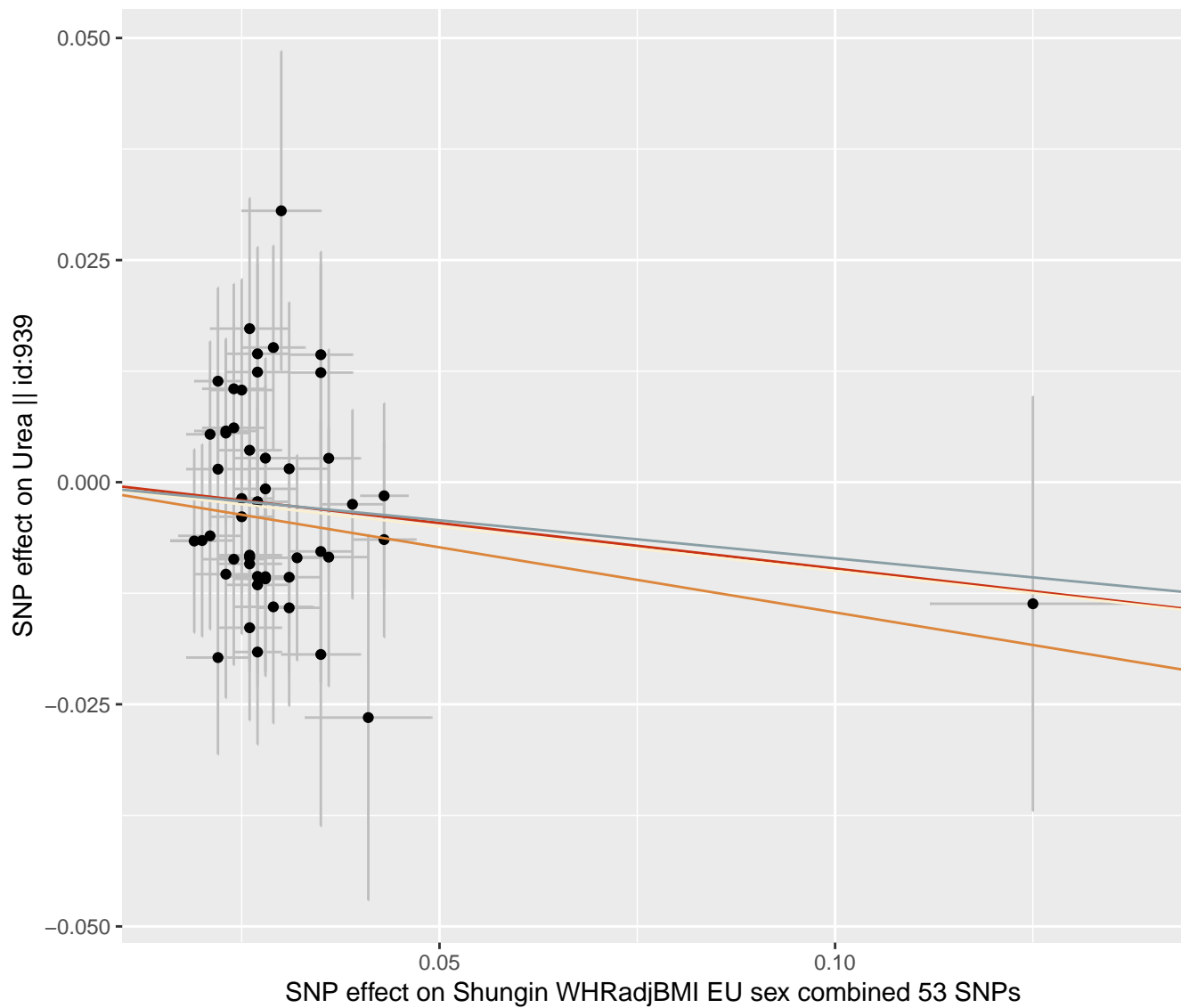


Inverse variance weighted (multiplicative random effects)

MR Egger

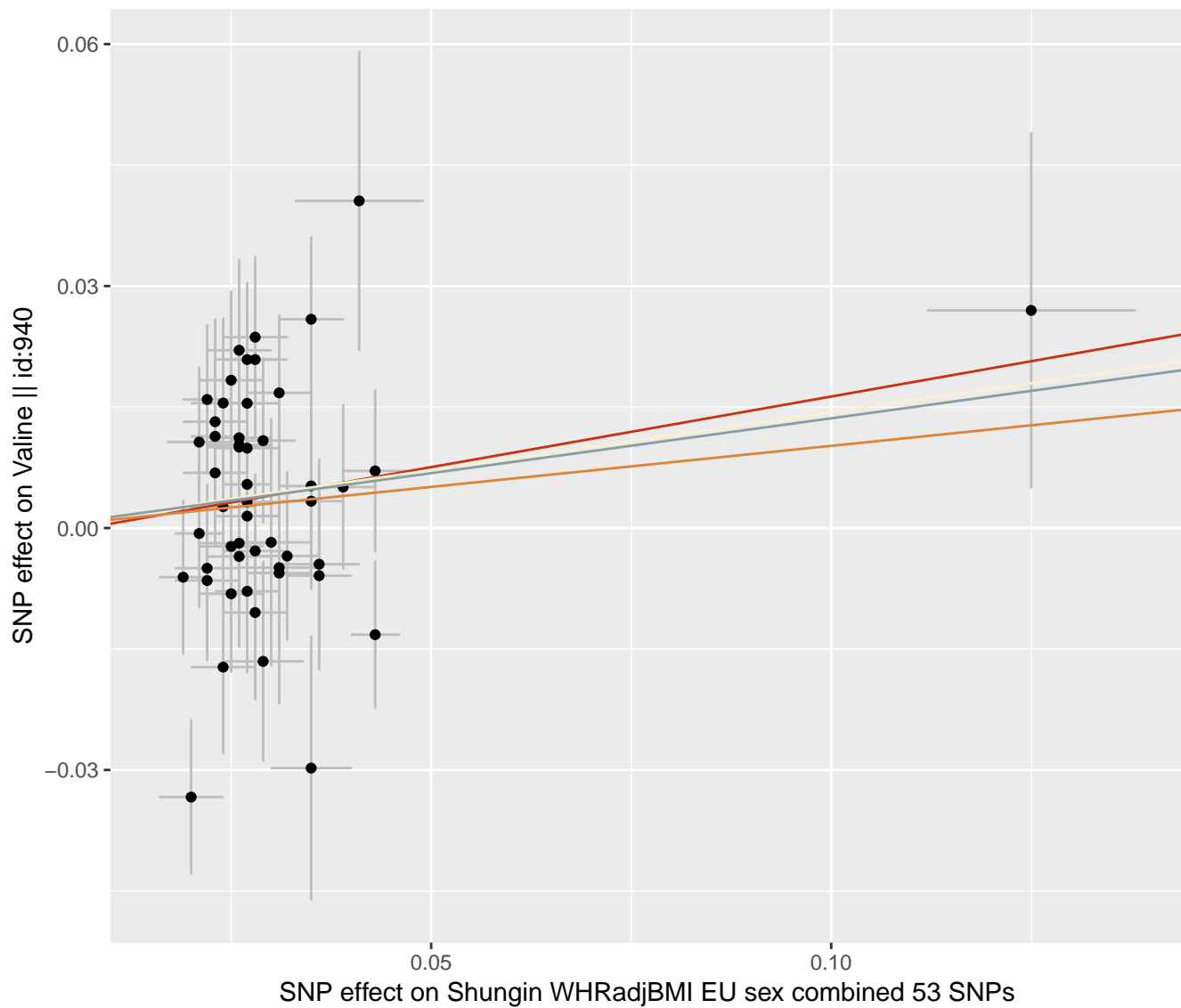
Weighted median

Weighted mode



# MR Test

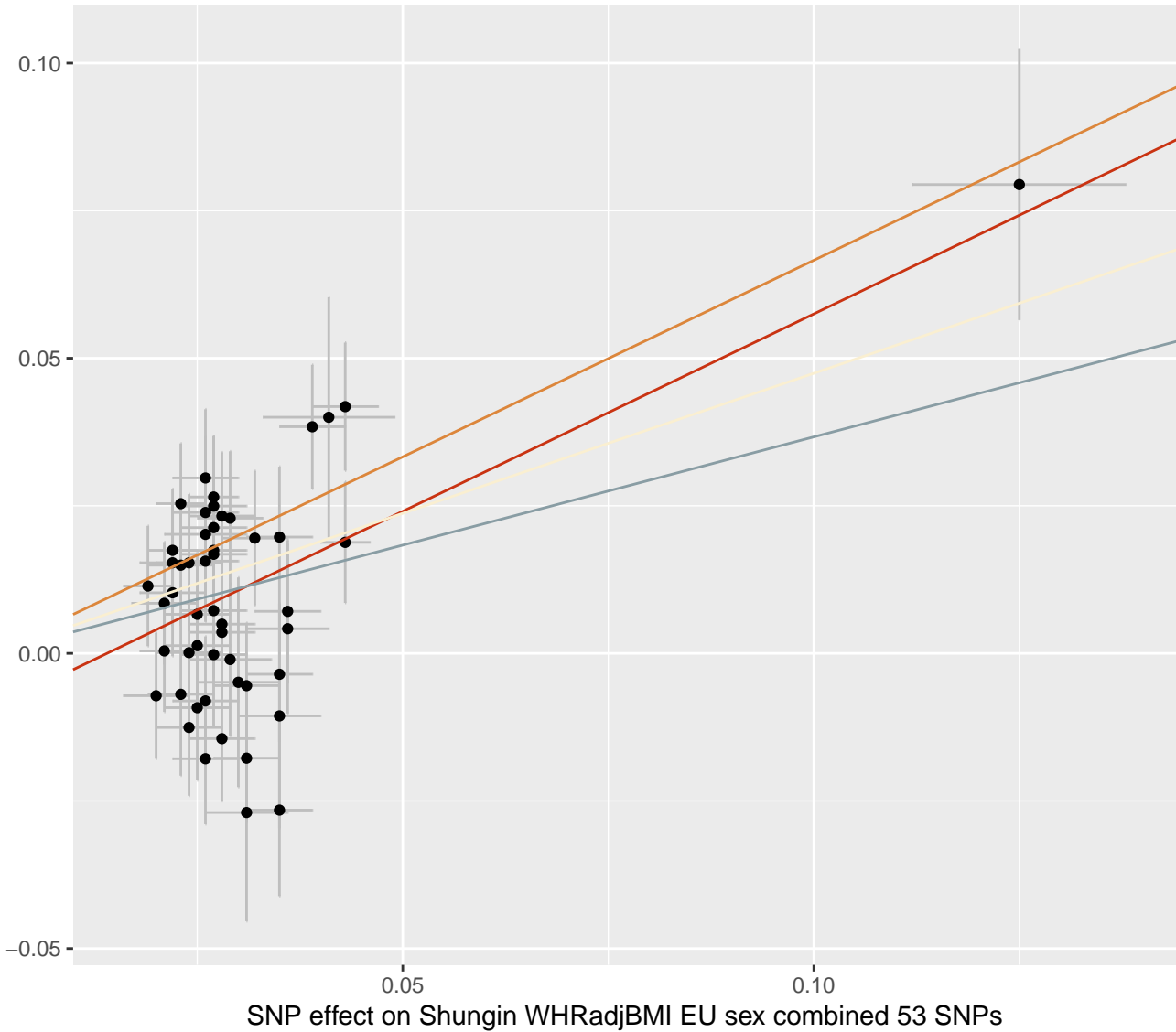
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Mean diameter for VLDL particles || id:941

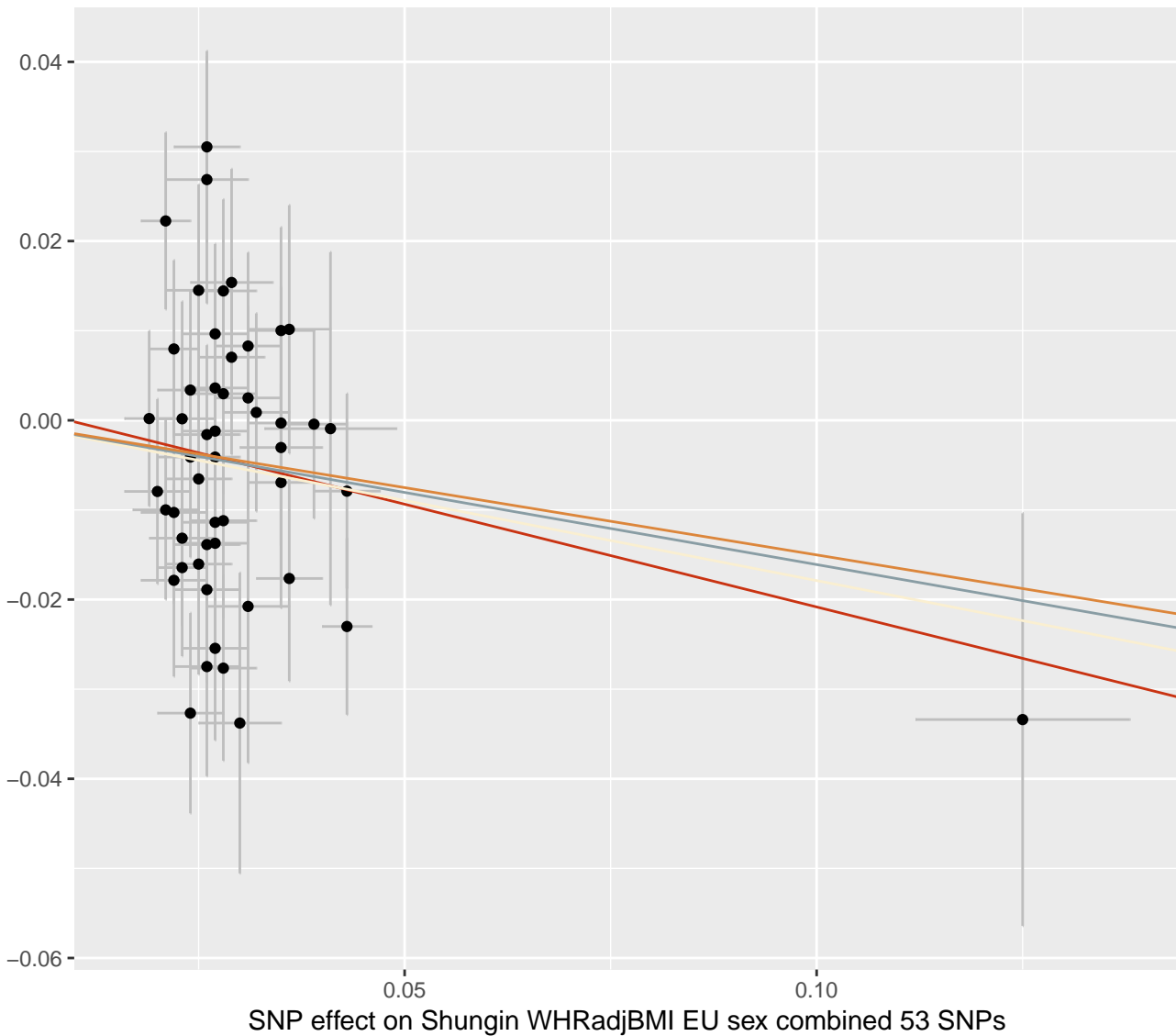




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

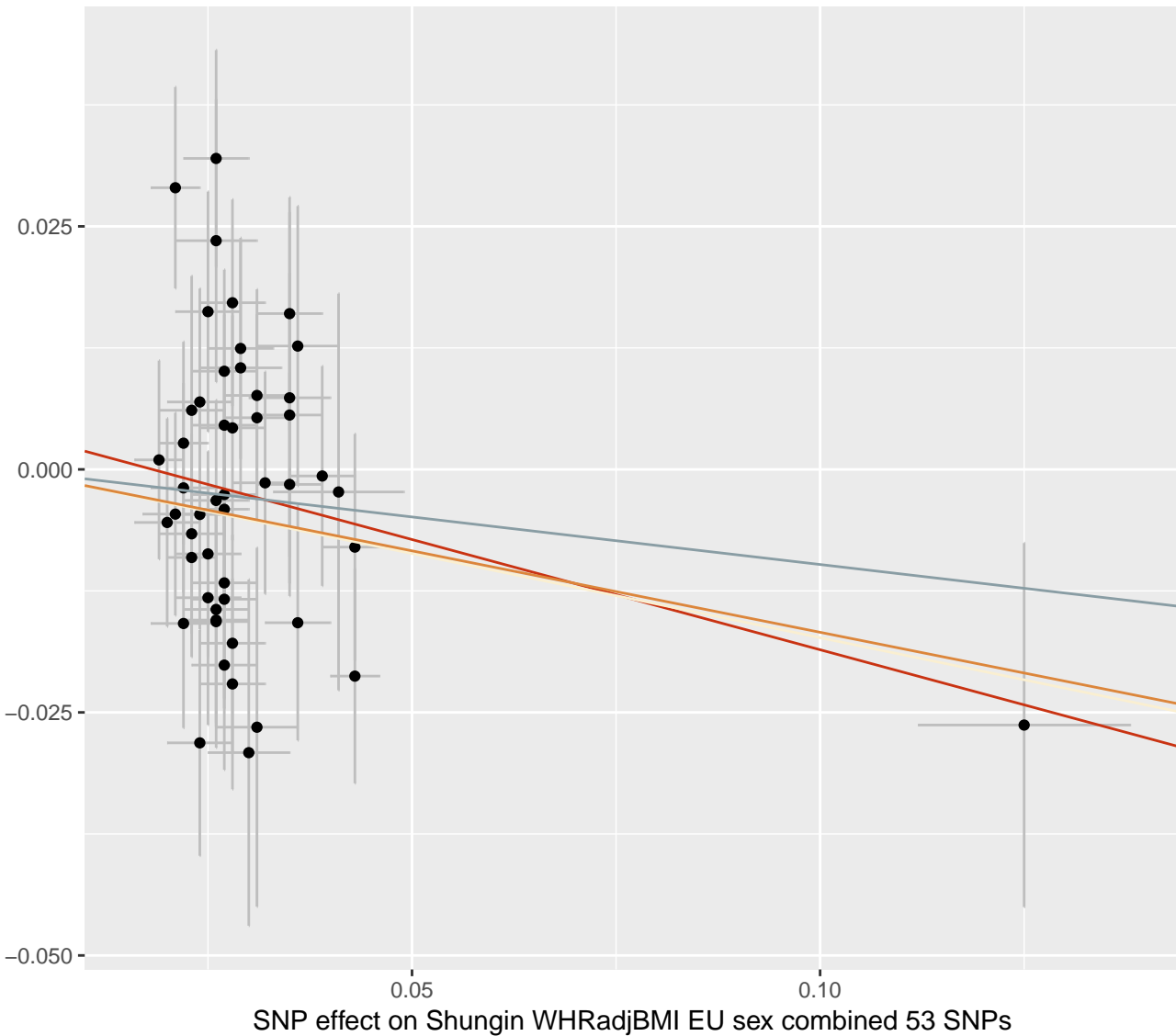
SNP effect on Total cholesterol in very large HDL || id:942



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

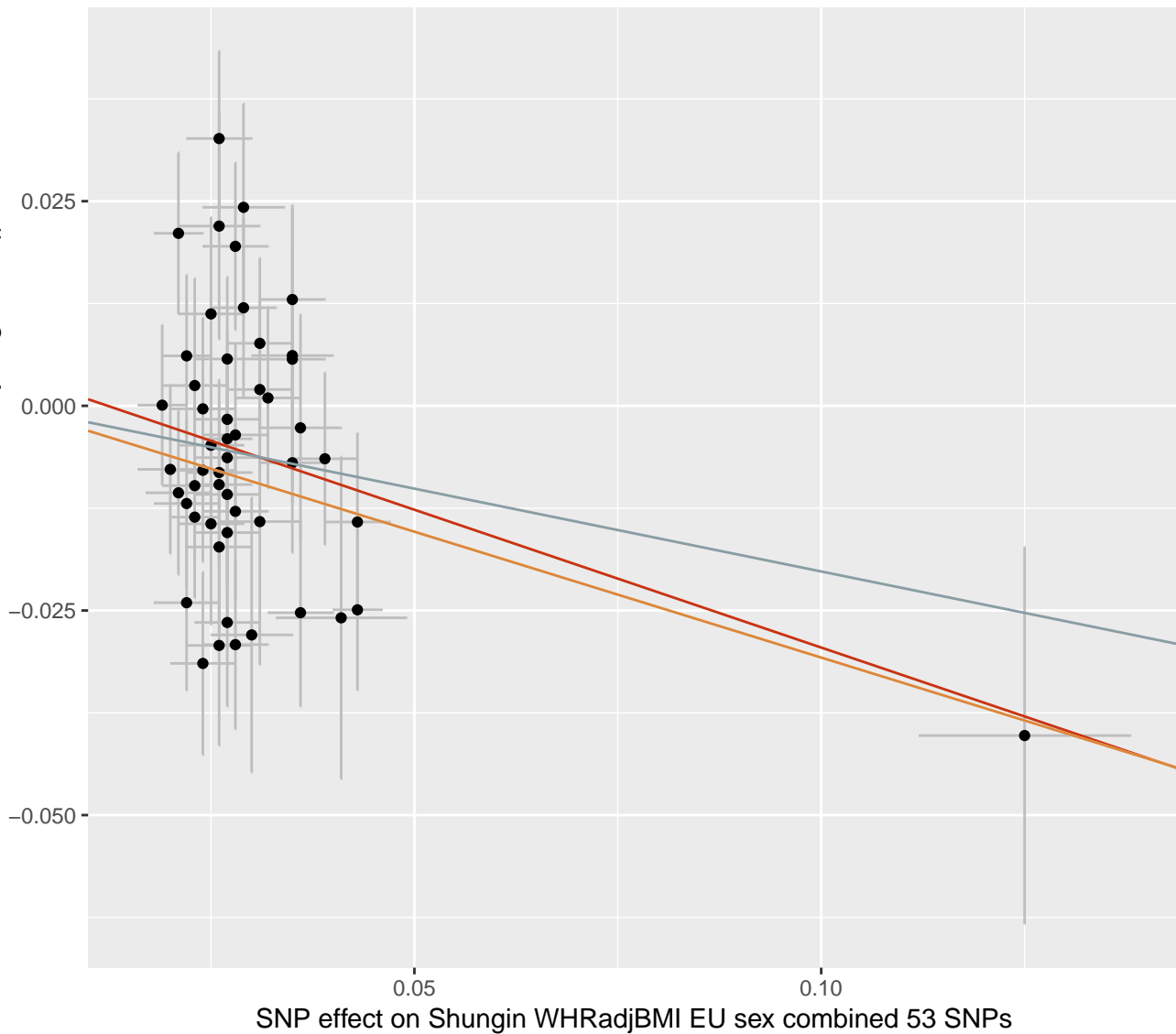
SNP effect on Cholesterol esters in very large HDL || id:943



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Free cholesterol in very large HDL || id:944



# MR Test



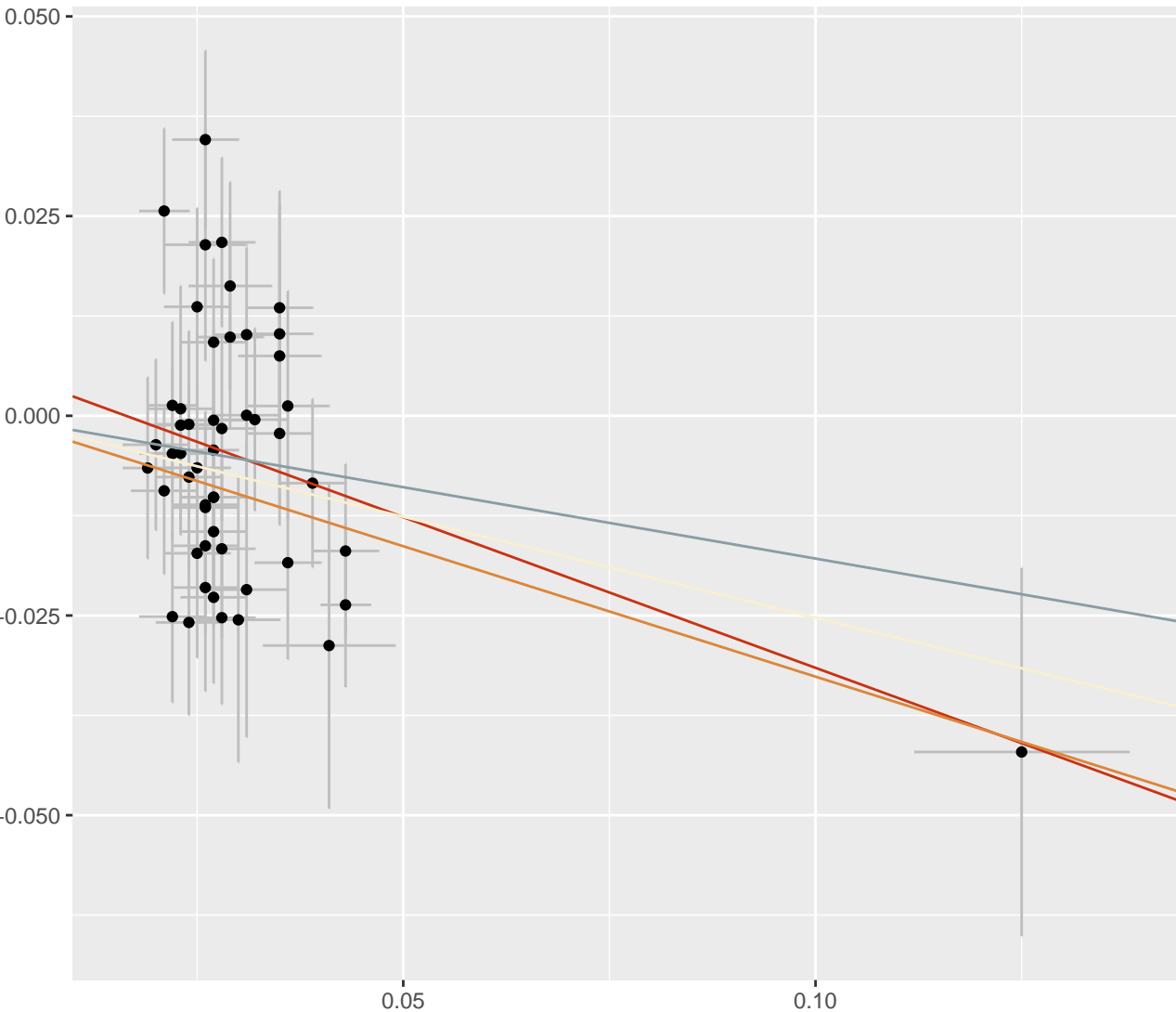
Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

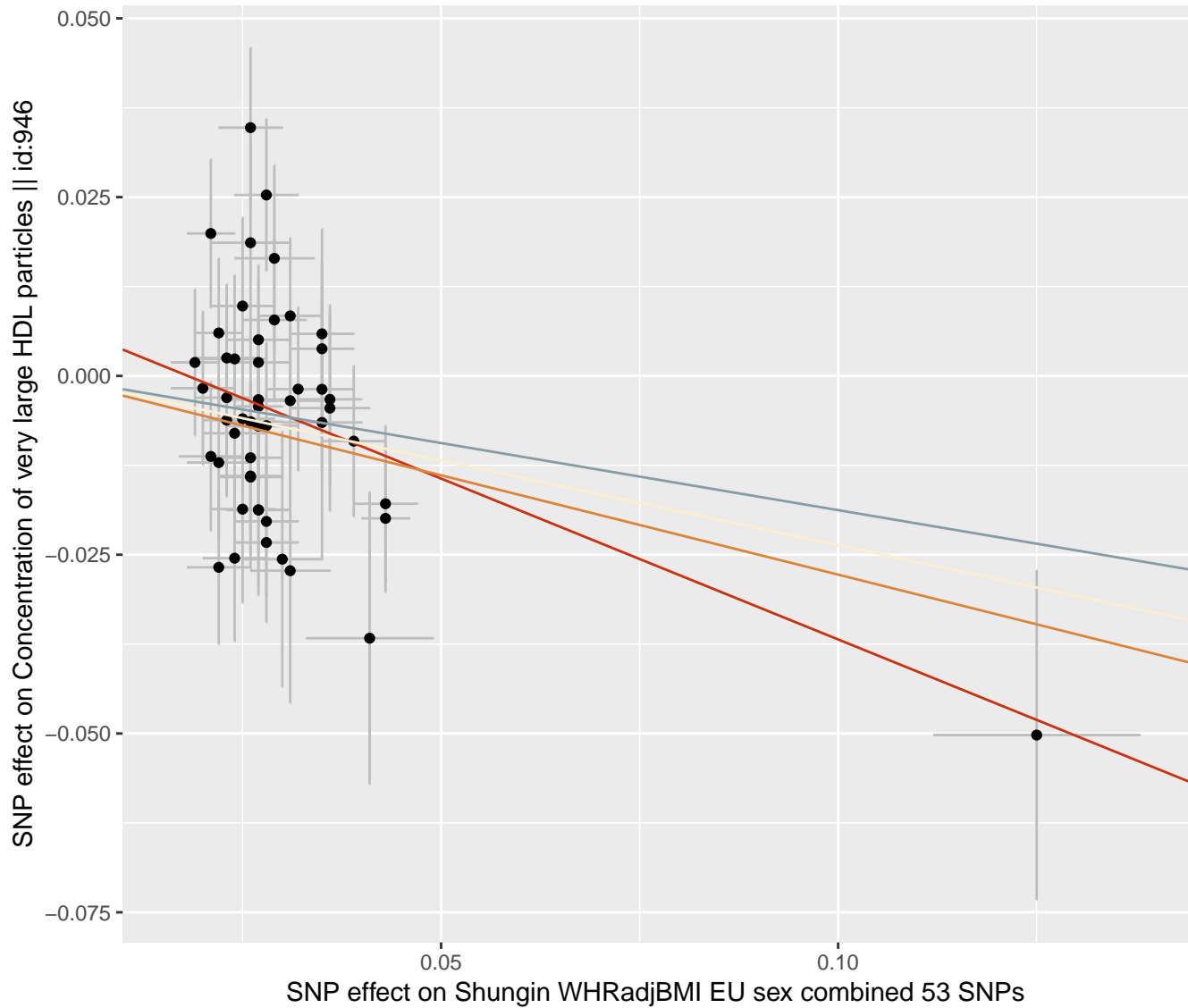
Weighted mode

SNP effect on Total lipids in very large HDL || id:945



# MR Test

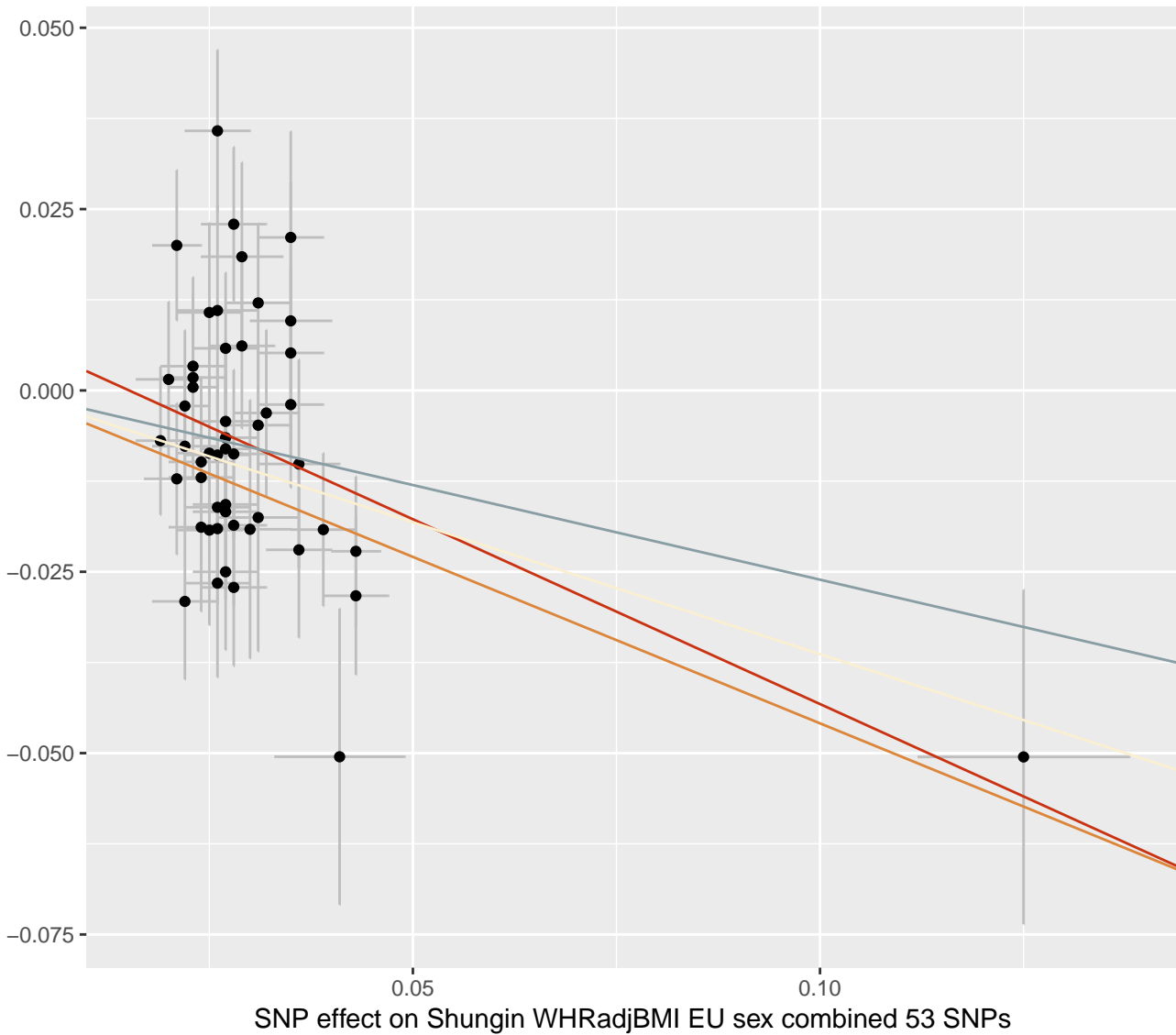
- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Phospholipids in very large HDL || id:947



# MR Test



Inverse variance weighted (multiplicative random effects)

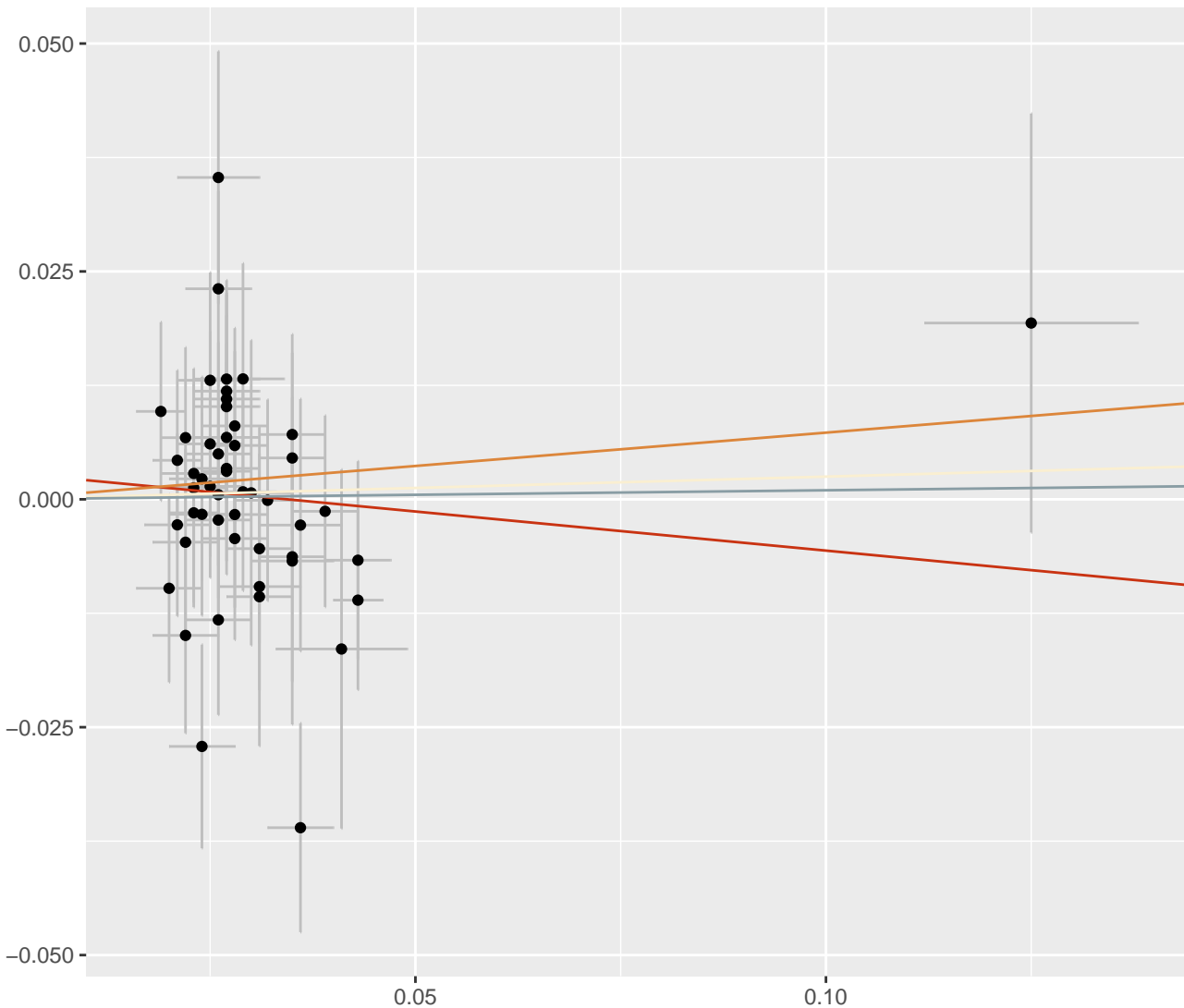
MR Egger



Weighted median

Weighted mode

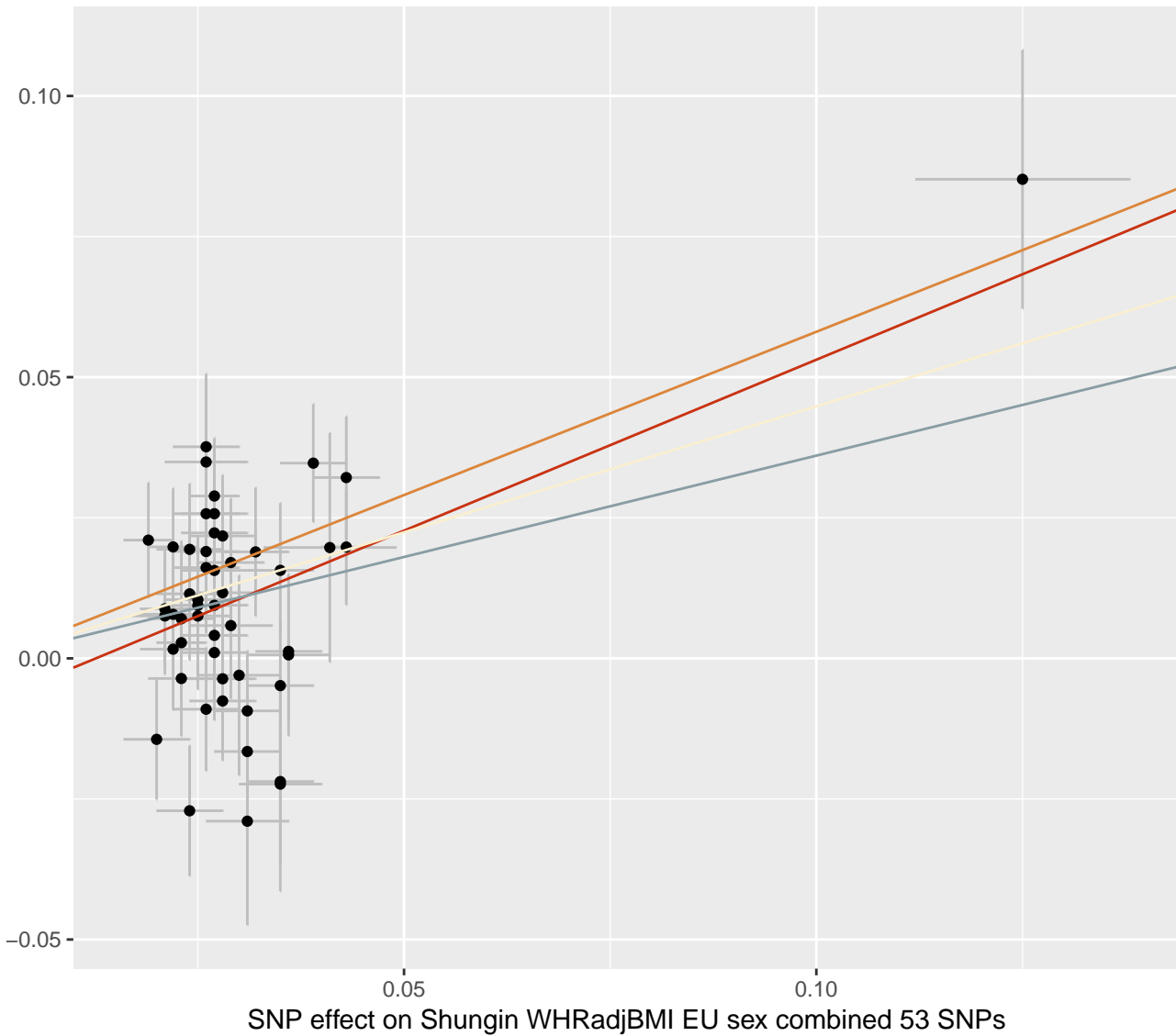
SNP effect on Triglycerides in very large HDL || id:948



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total lipids in very large VLDL || id:949

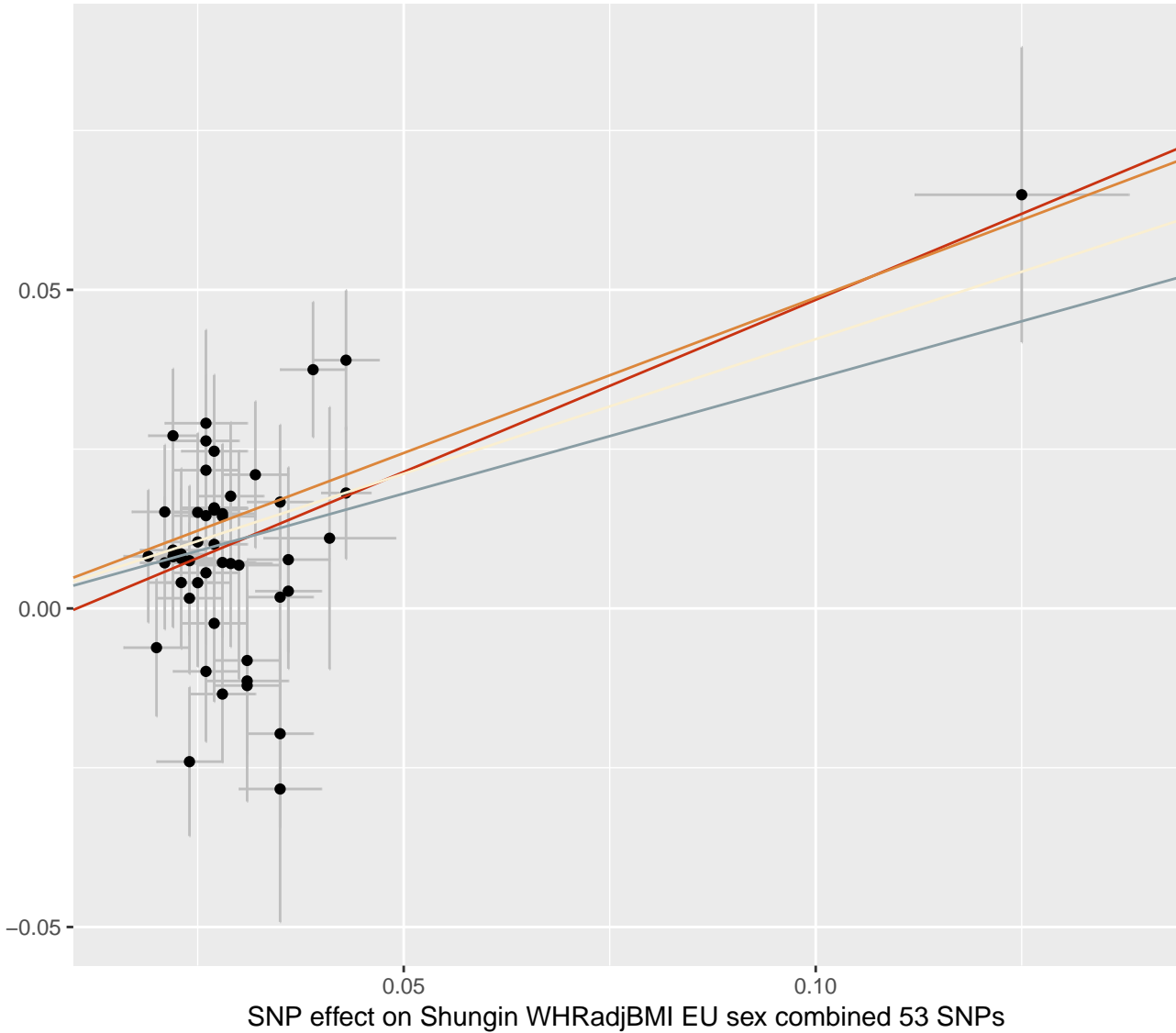




# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

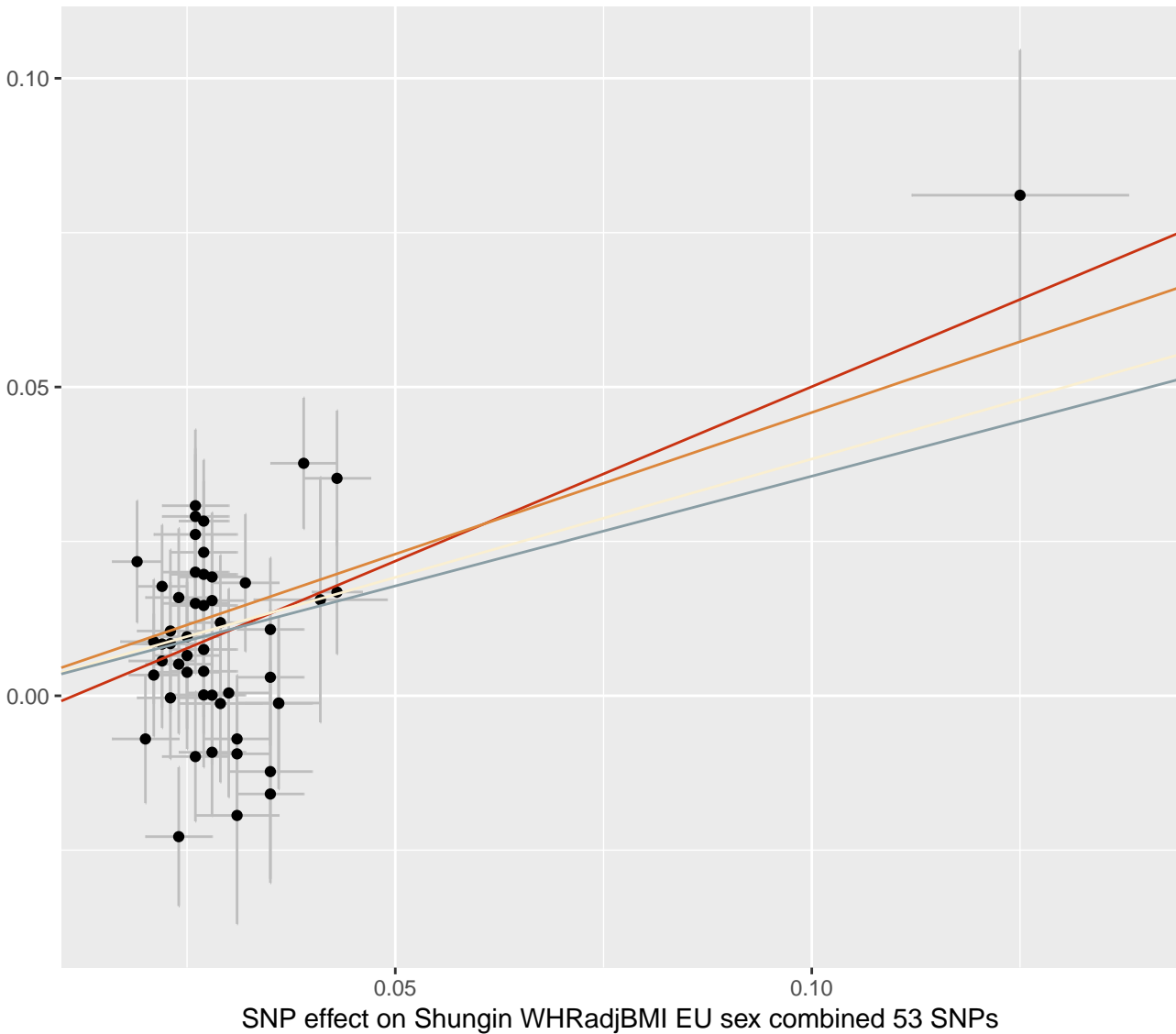
SNP effect on Concentration of very large VLDL particles || id:950



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

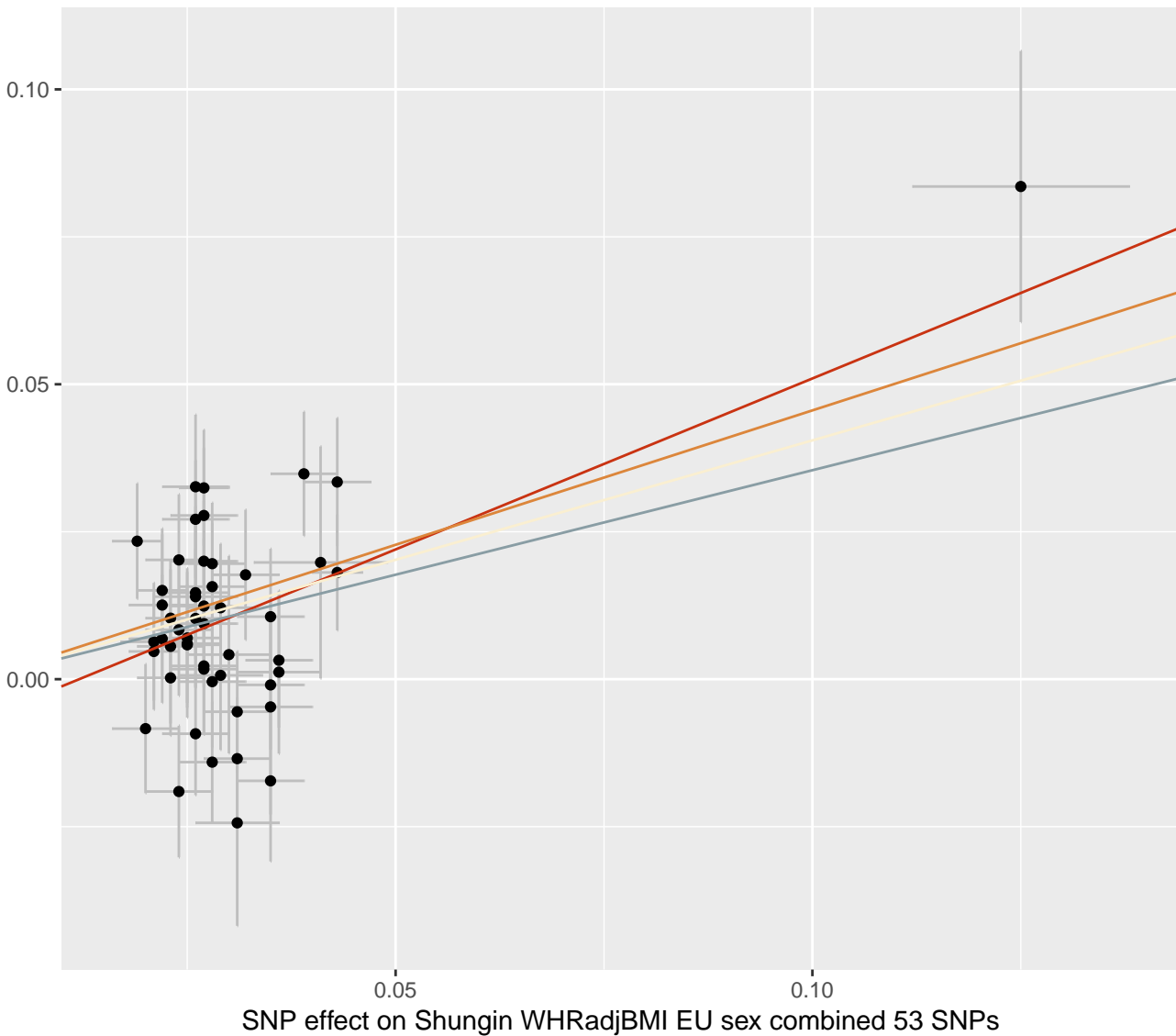
SNP effect on Phospholipids in very large VLDL || id:951



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Triglycerides in very large VLDL || id:952



# MR Test



Inverse variance weighted (multiplicative random effects)

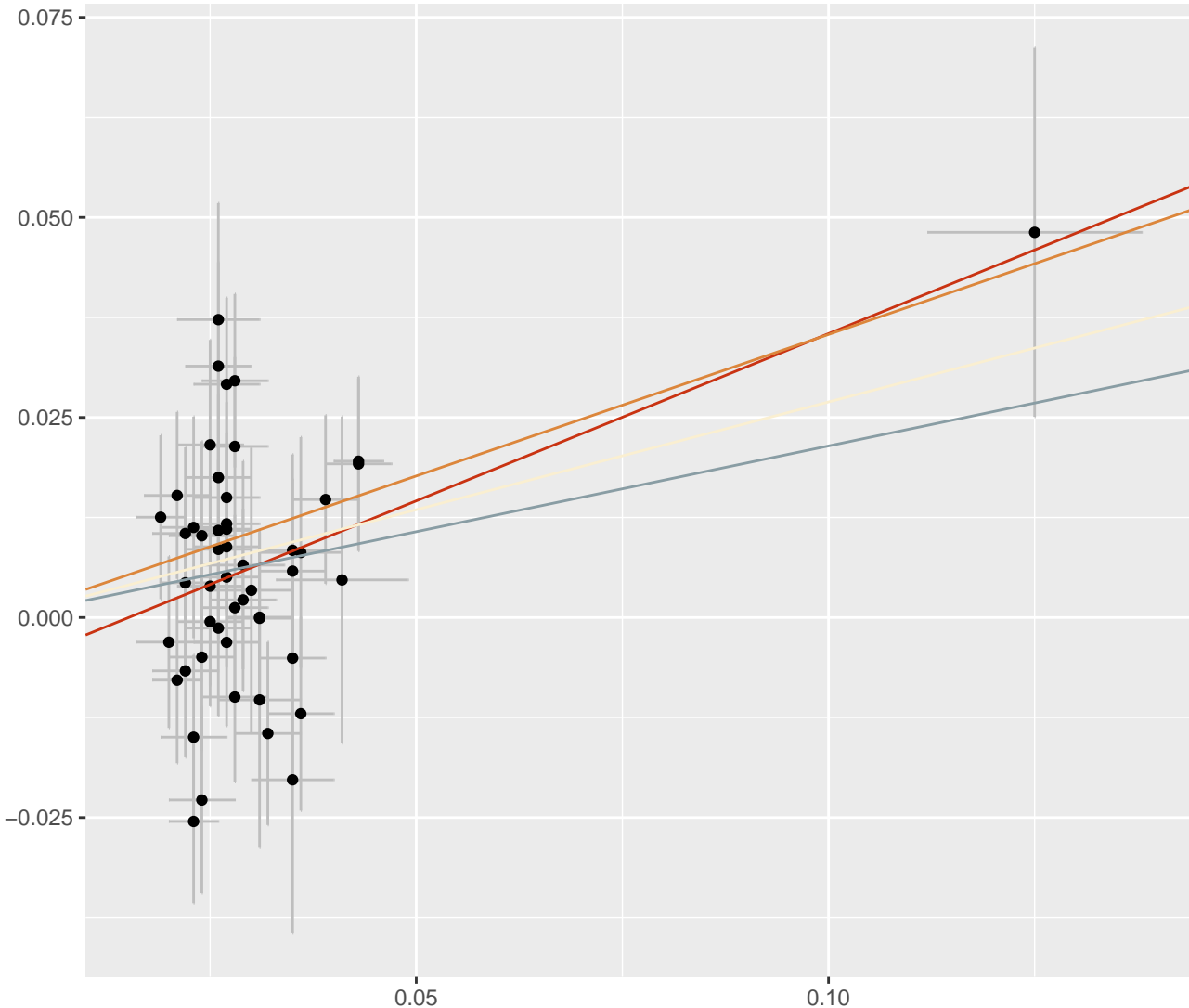
MR Egger



Weighted median

Weighted mode

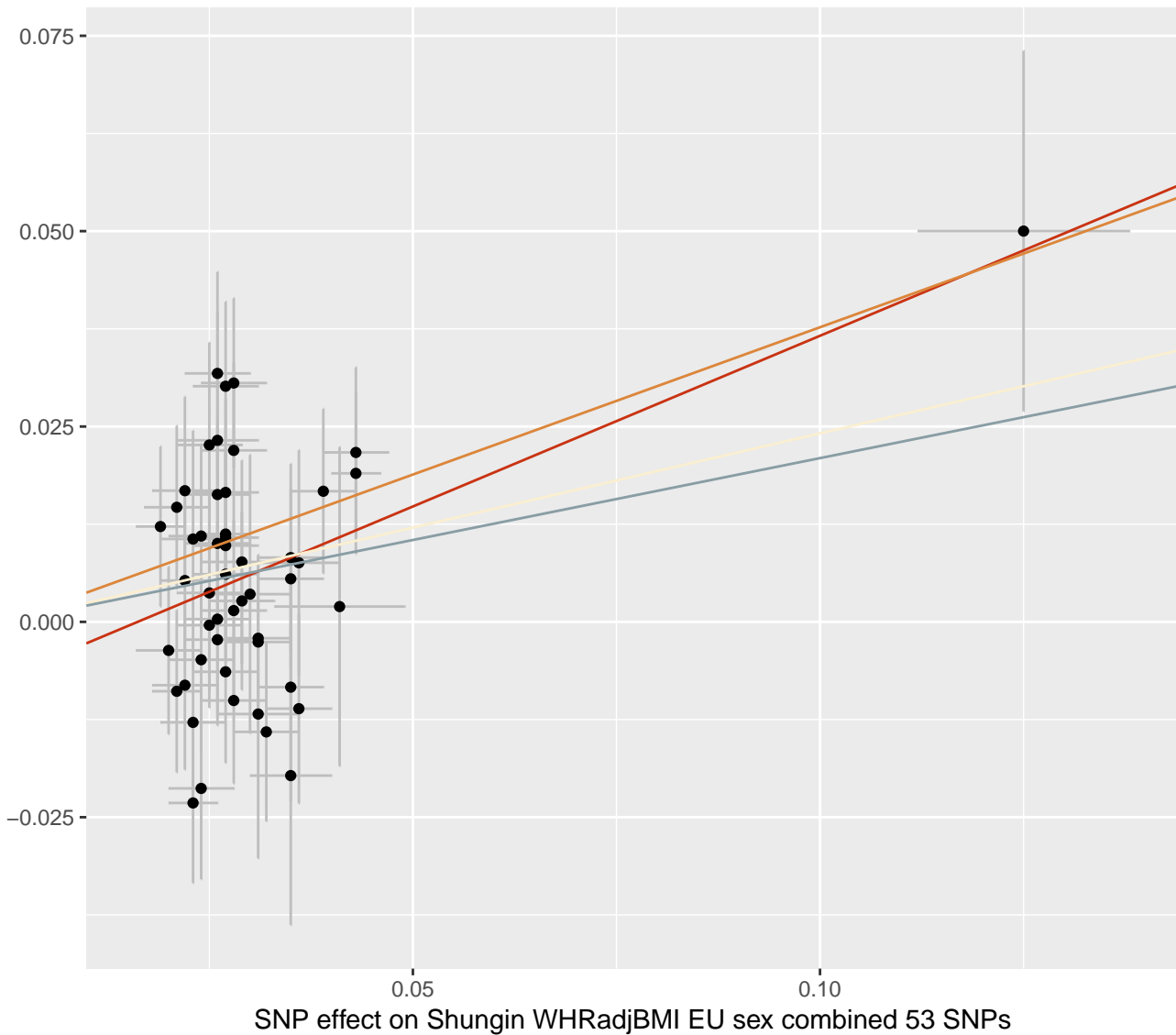
SNP effect on Total lipids in very small VLDL || id:953



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

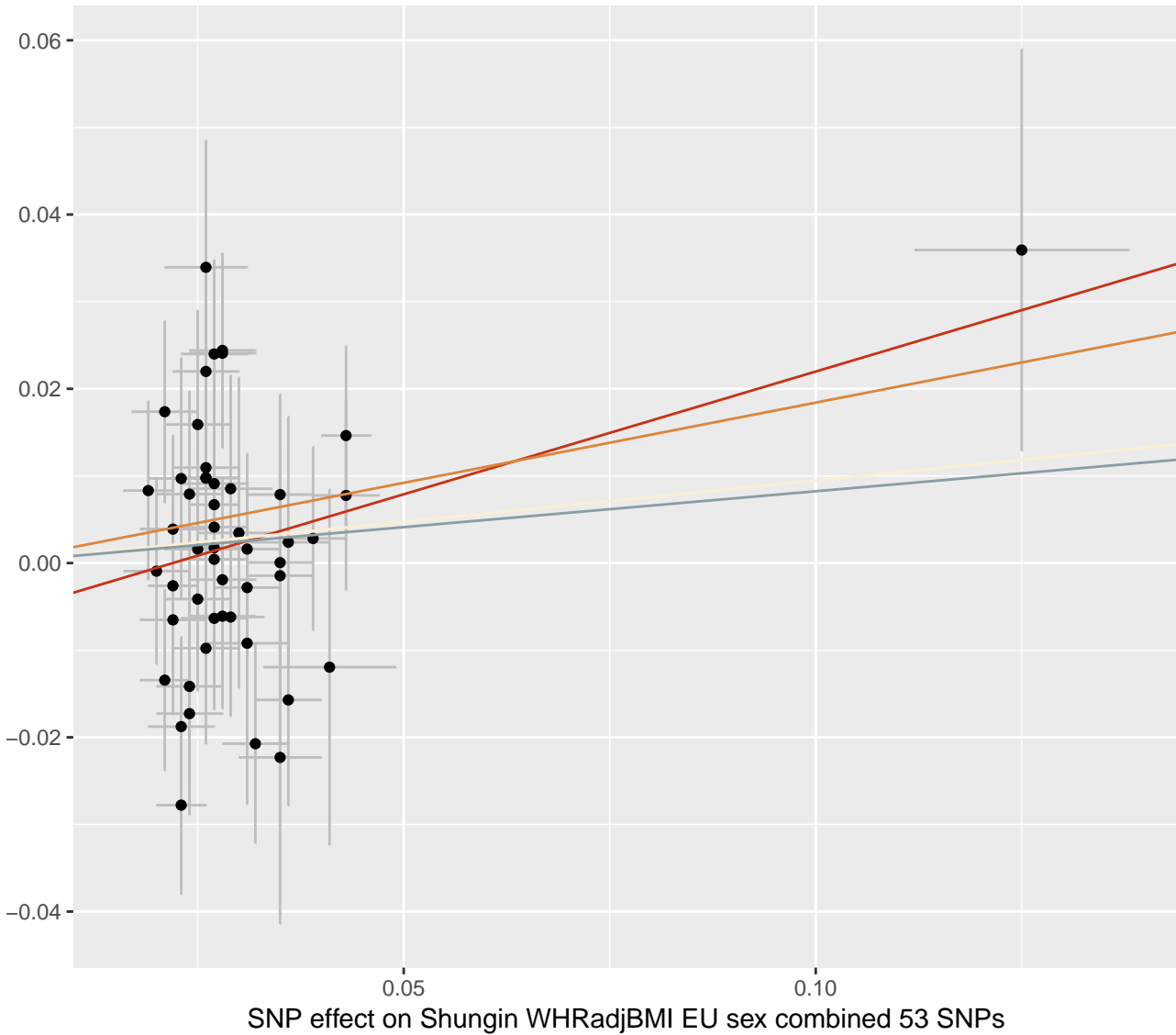
SNP effect on Concentration of very small VLDL particles || id:954



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

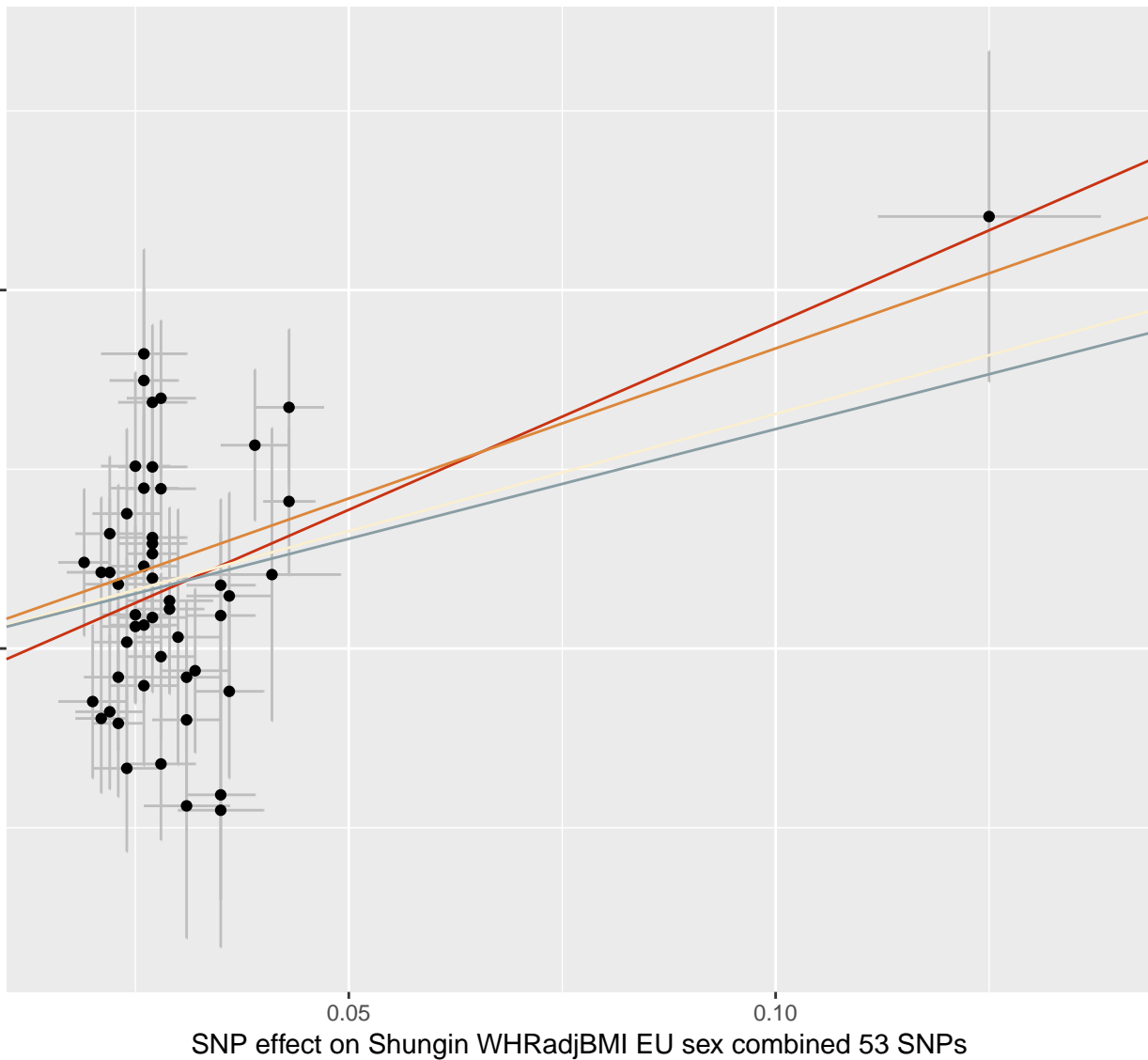
SNP effect on Phospholipids in very small VLDL || id:955



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

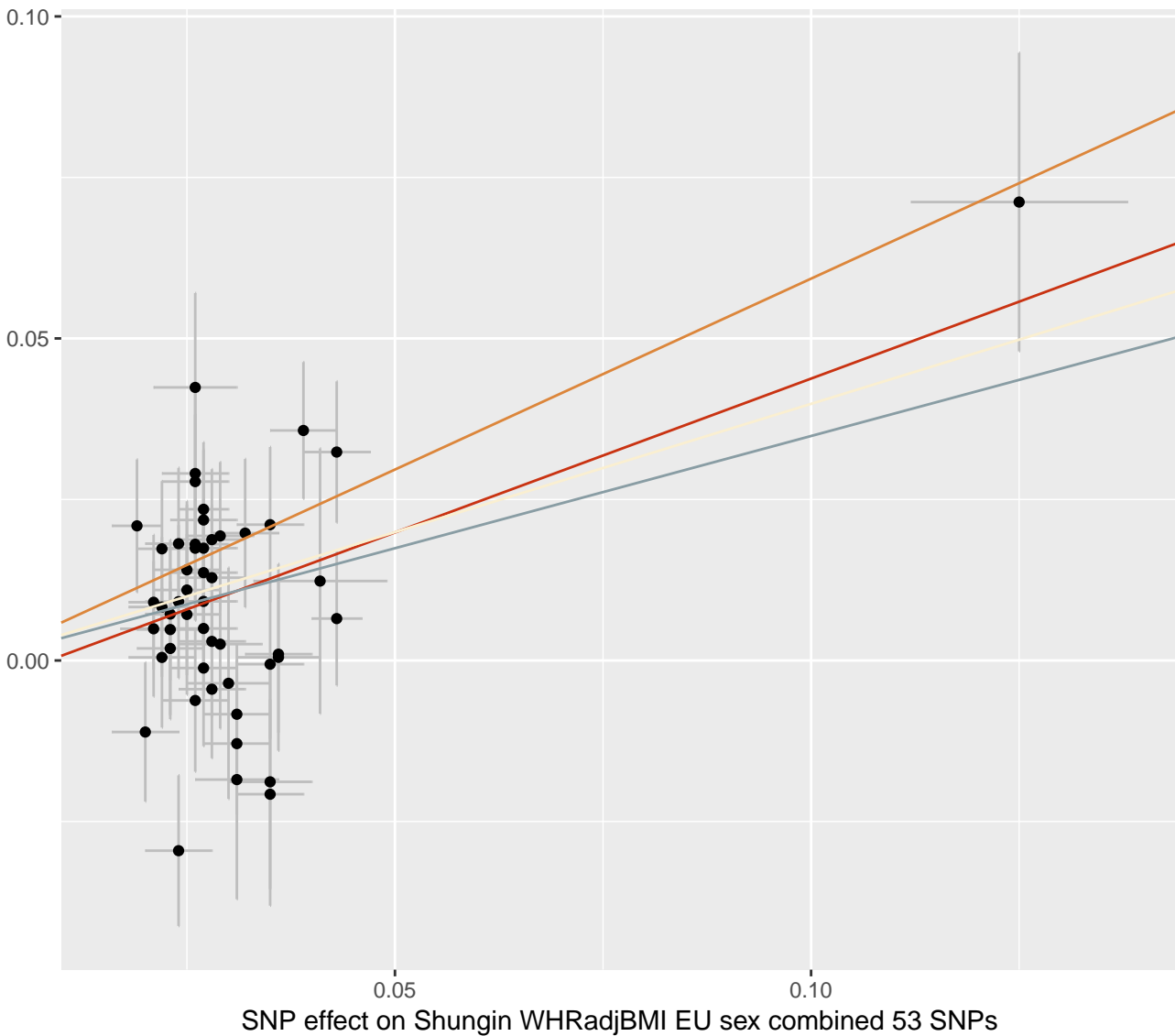
SNP effect on Triglycerides in very small VLDL || id:956



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Total lipids in chylomicrons and largest VLDL particles || id:957





SNP effect on Concentration of chylomicrons and largest VLDL particles || id:958

# MR Test



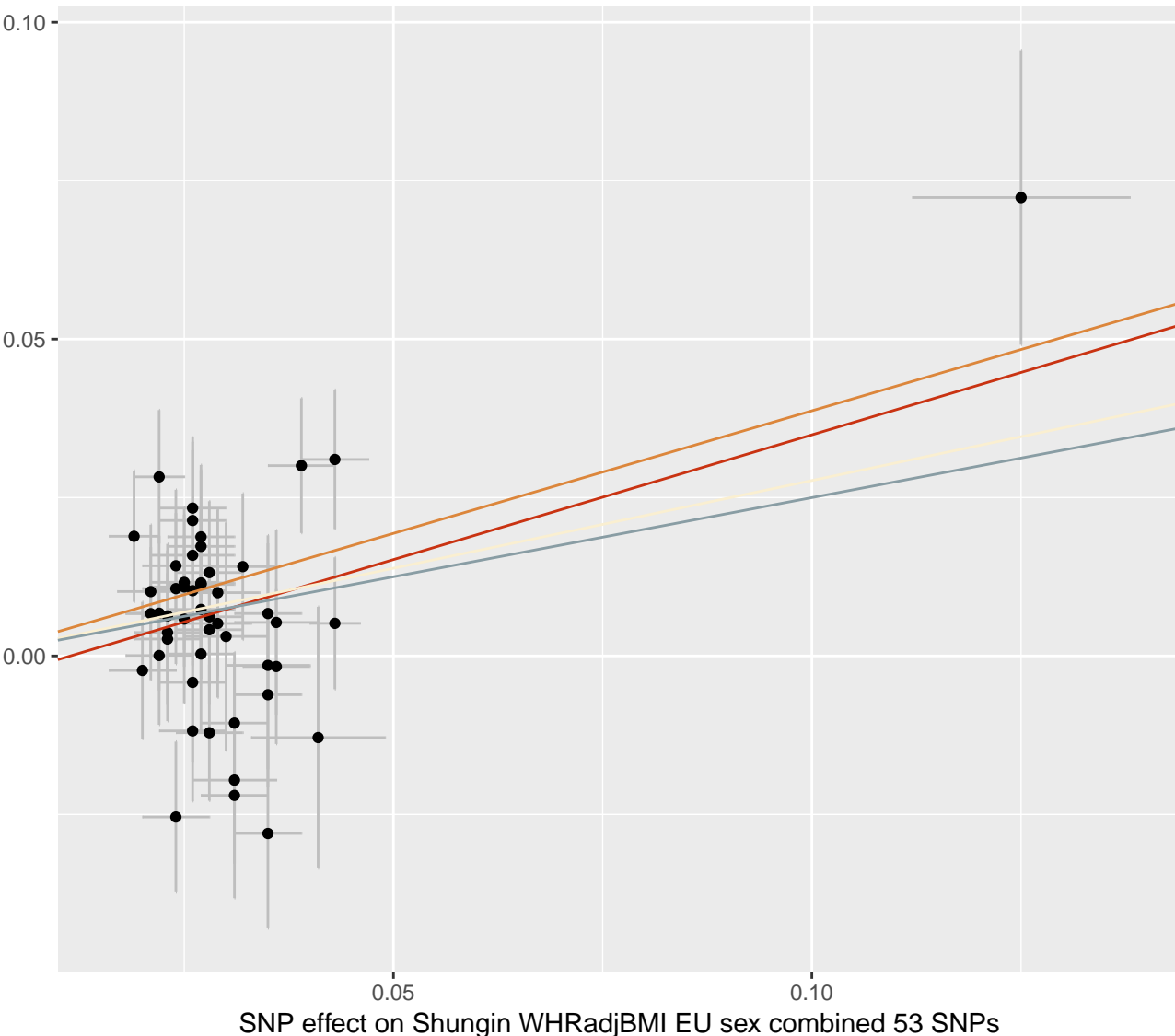
Inverse variance weighted (multiplicative random effects)

MR Egger



Weighted median

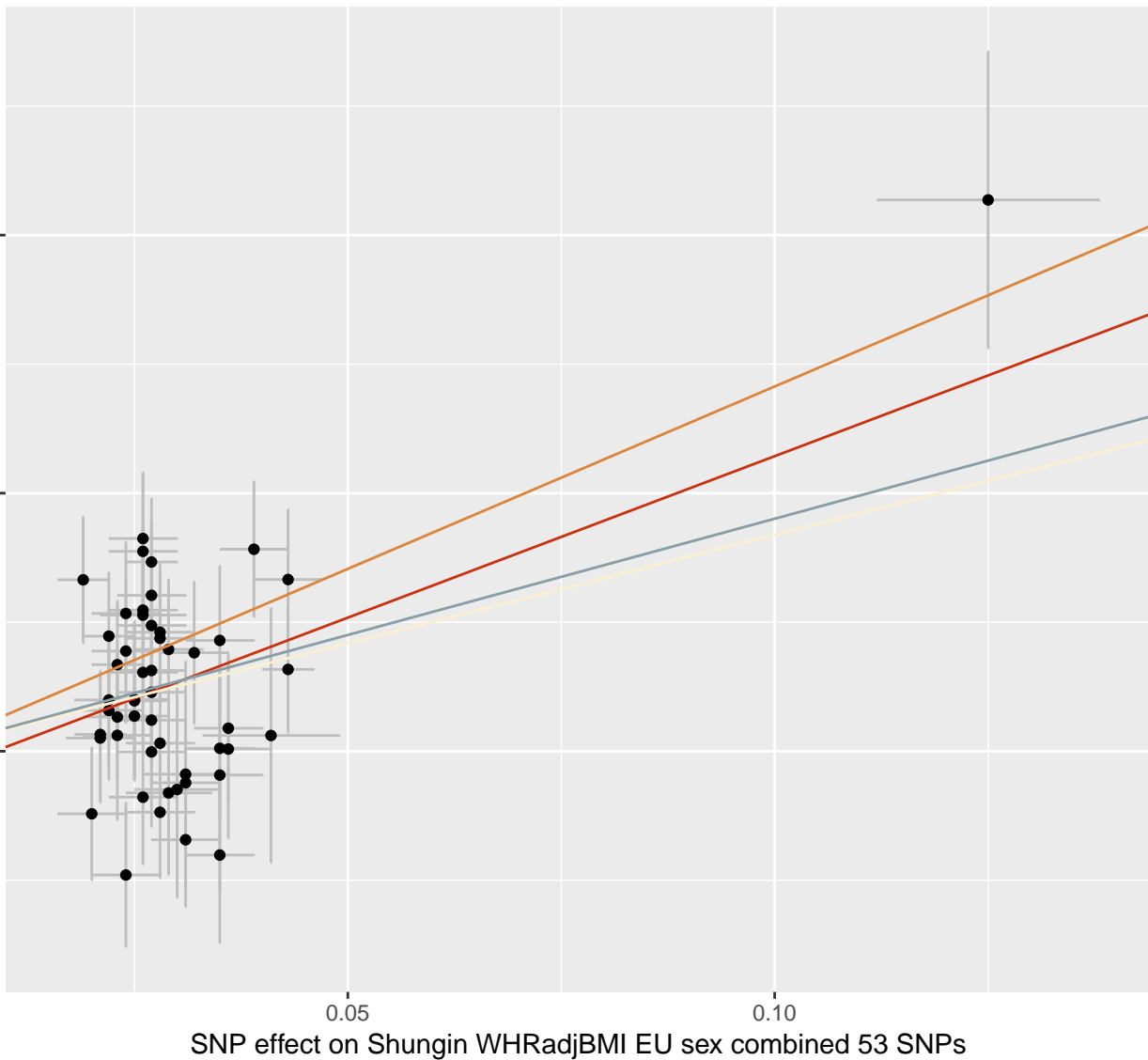
Weighted mode



# MR Test

- Inverse variance weighted (multiplicative random effects)
- MR Egger
- Weighted median
- Weighted mode

SNP effect on Phospholipids in chylomicrons and largest VLDL particles || id:959



SNP effect on Triglycerides in chylomicrons and largest VLDL particles || id:960

# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode

