

### MR Test



Inverse variance weighted (multiplicative random effects)



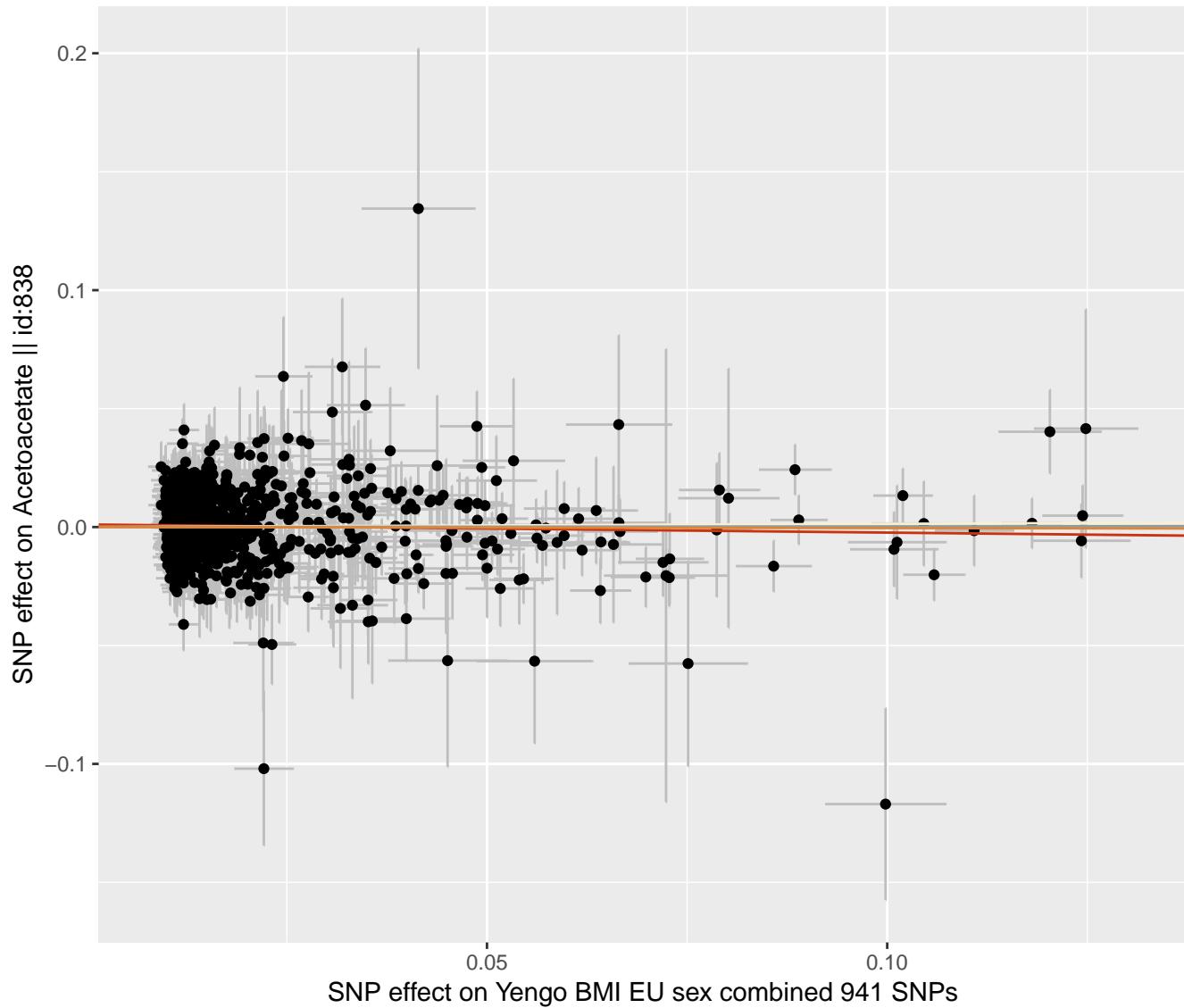
MR Egger



Weighted median



Weighted mode



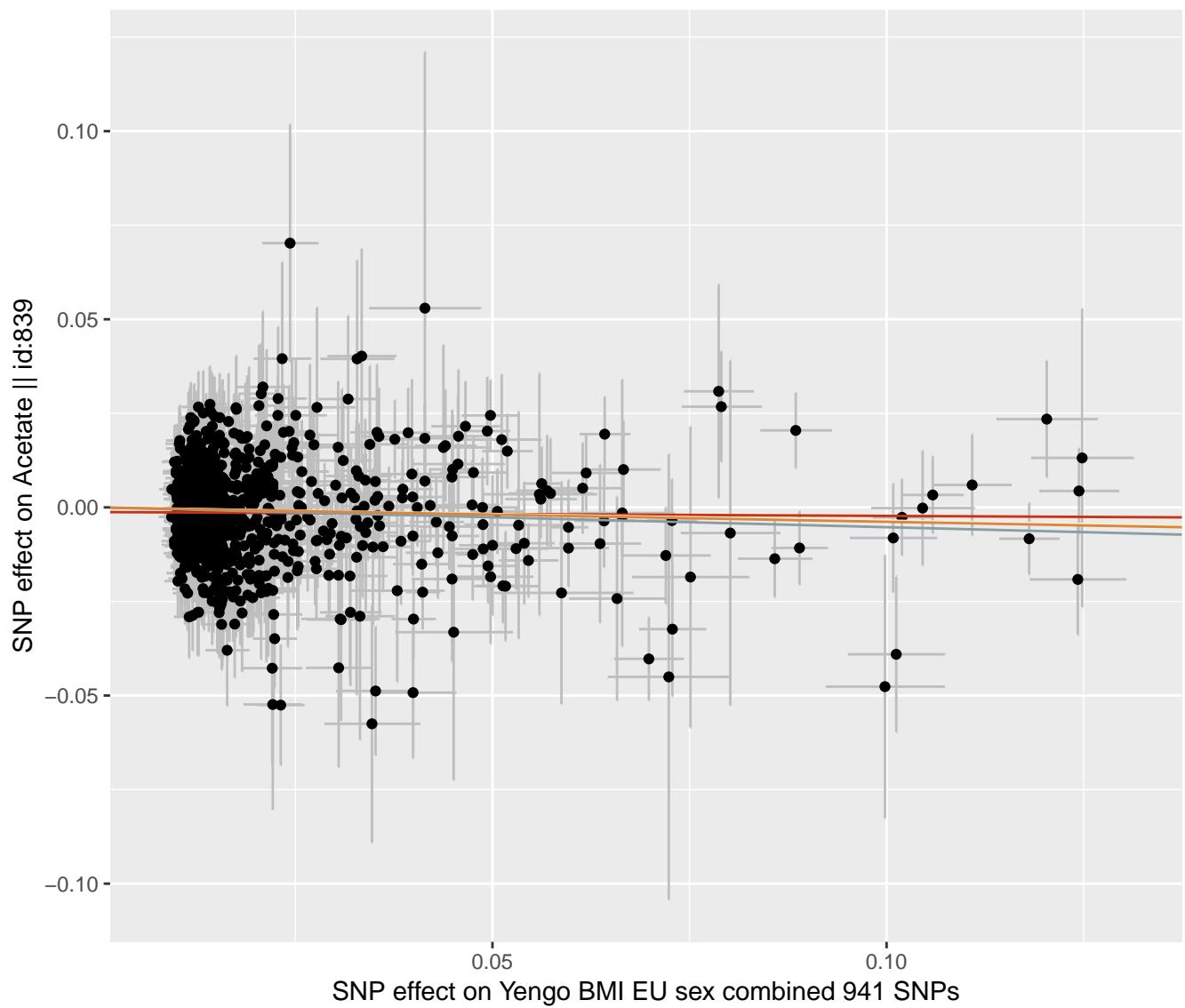
### MR Test

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 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



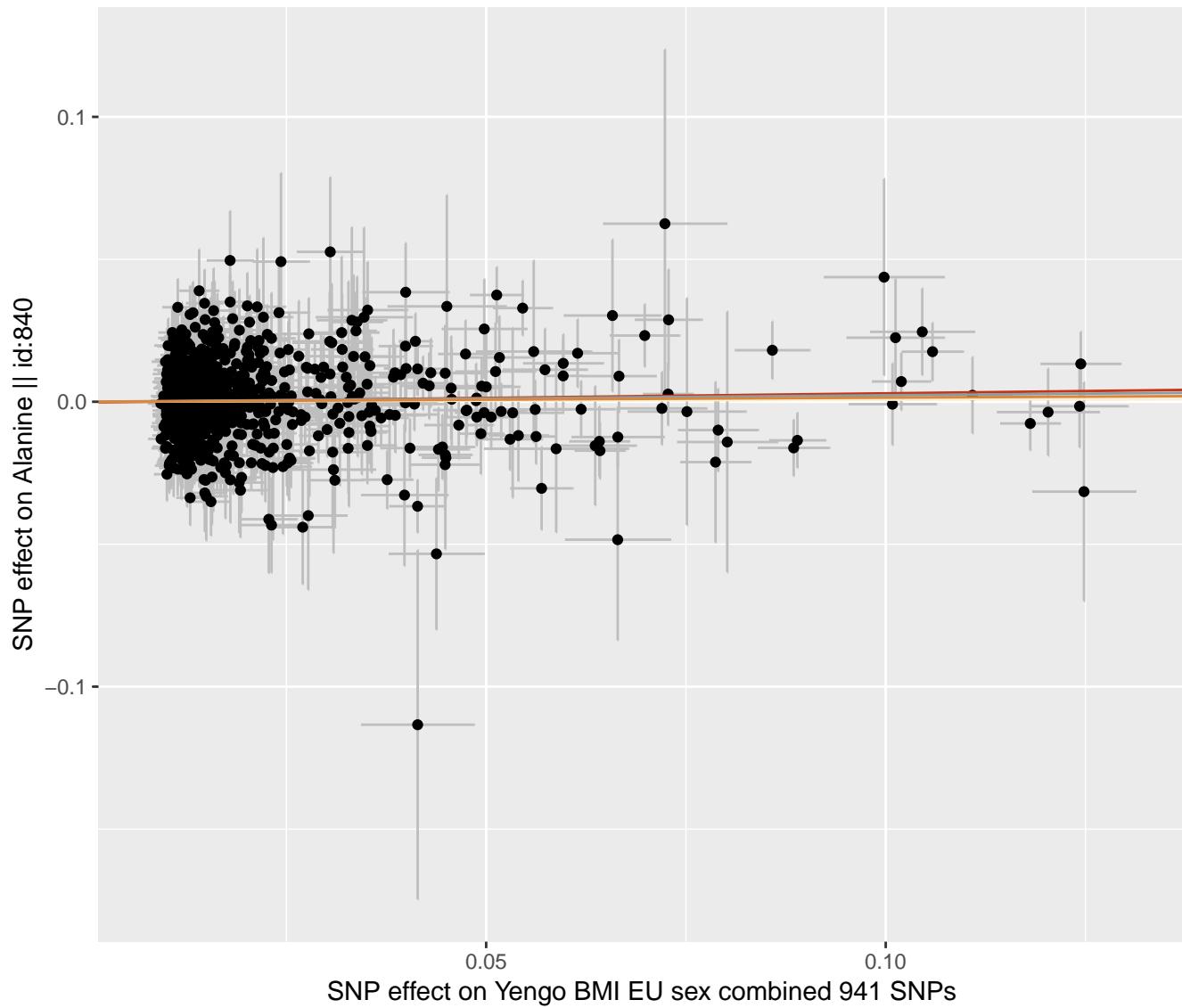
MR Egger



Weighted median

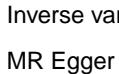


Weighted mode



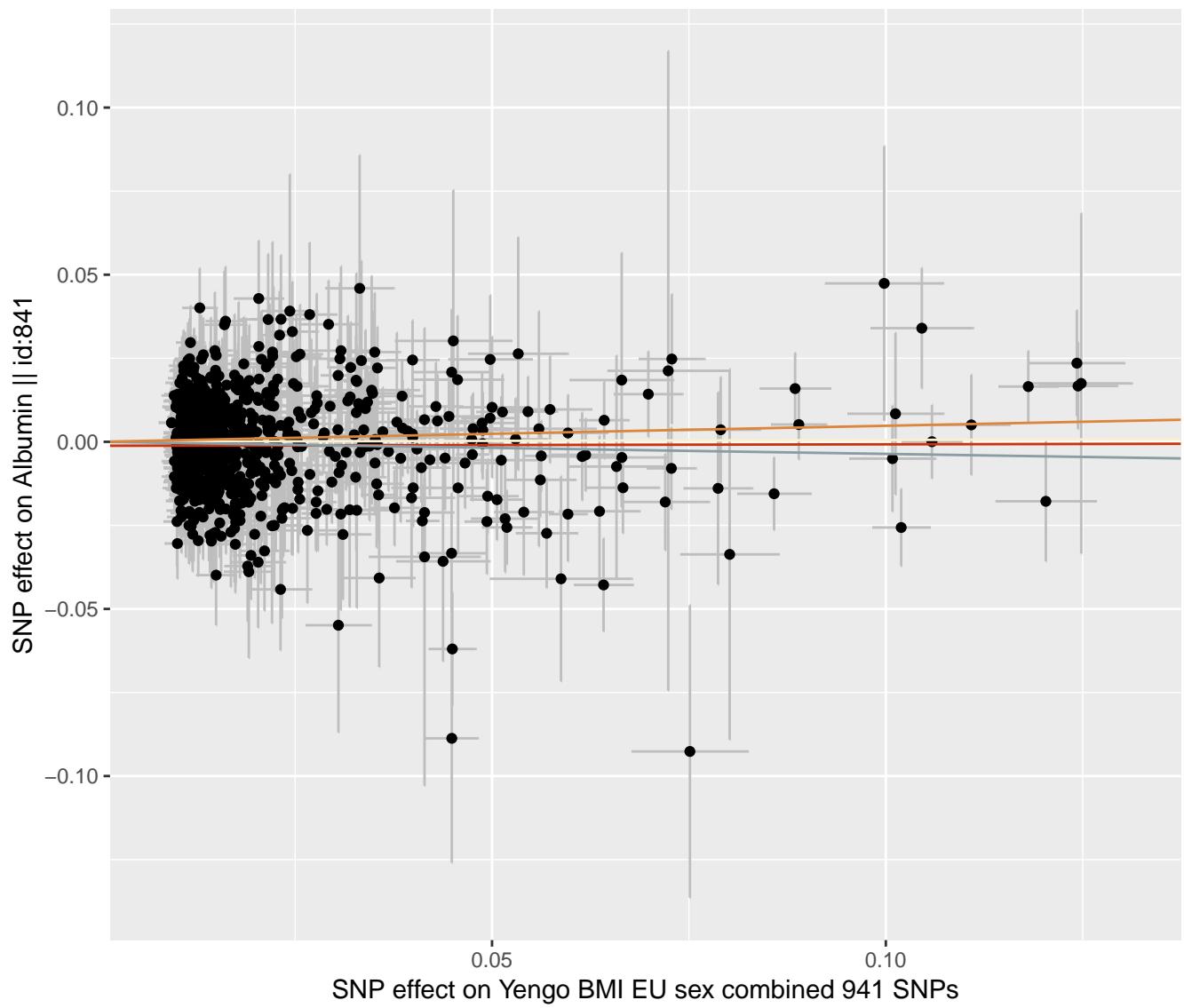
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 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



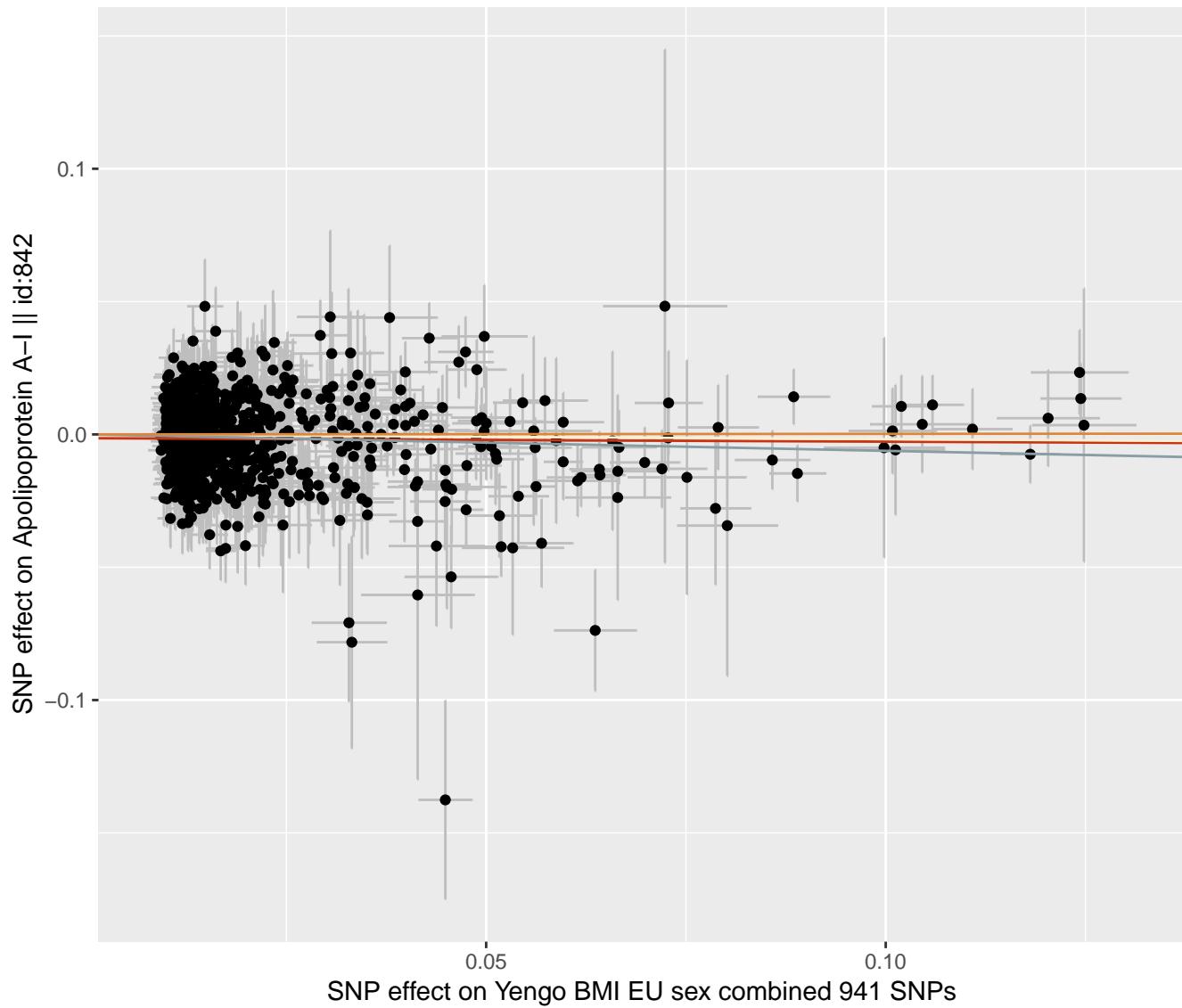
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



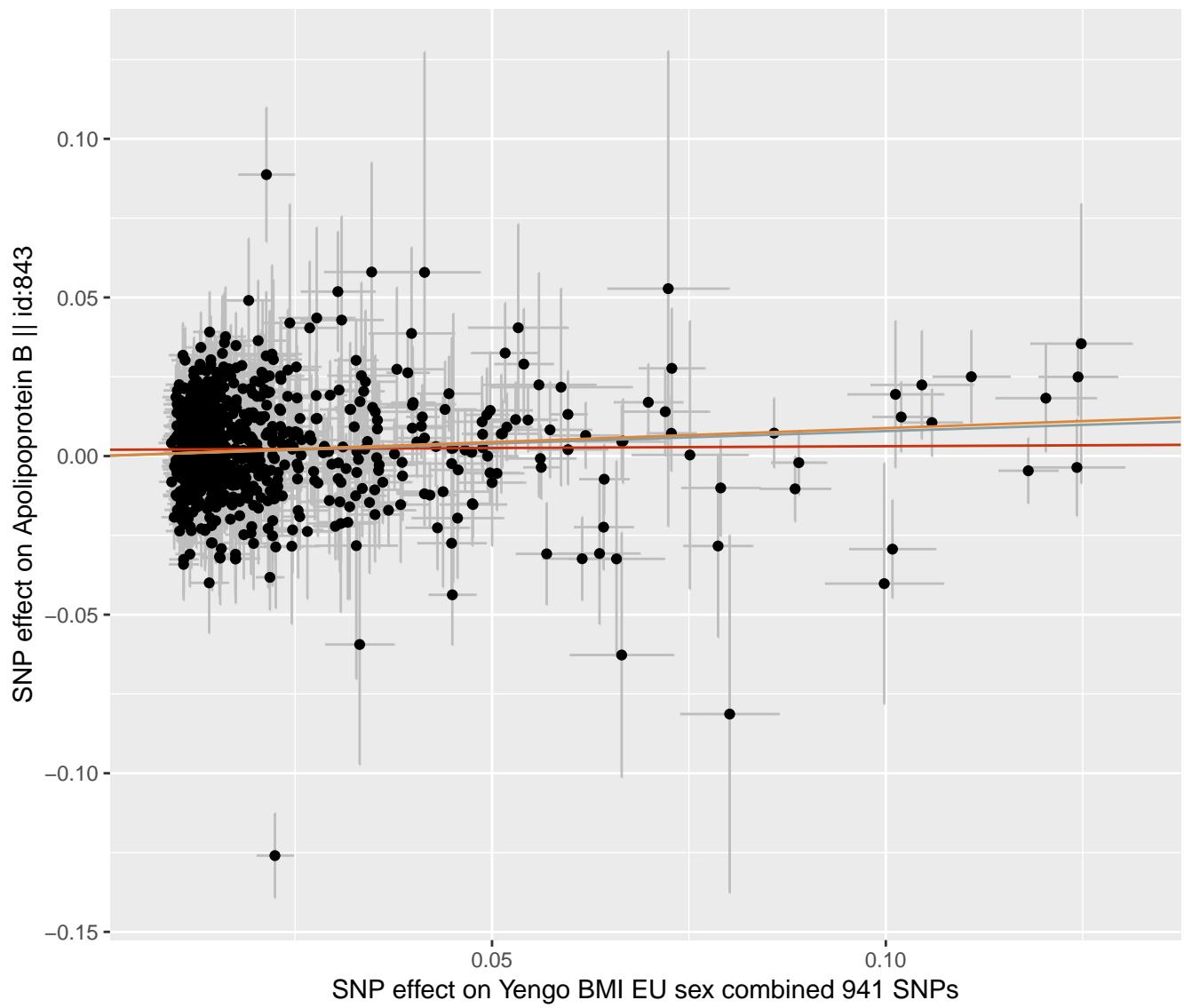
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



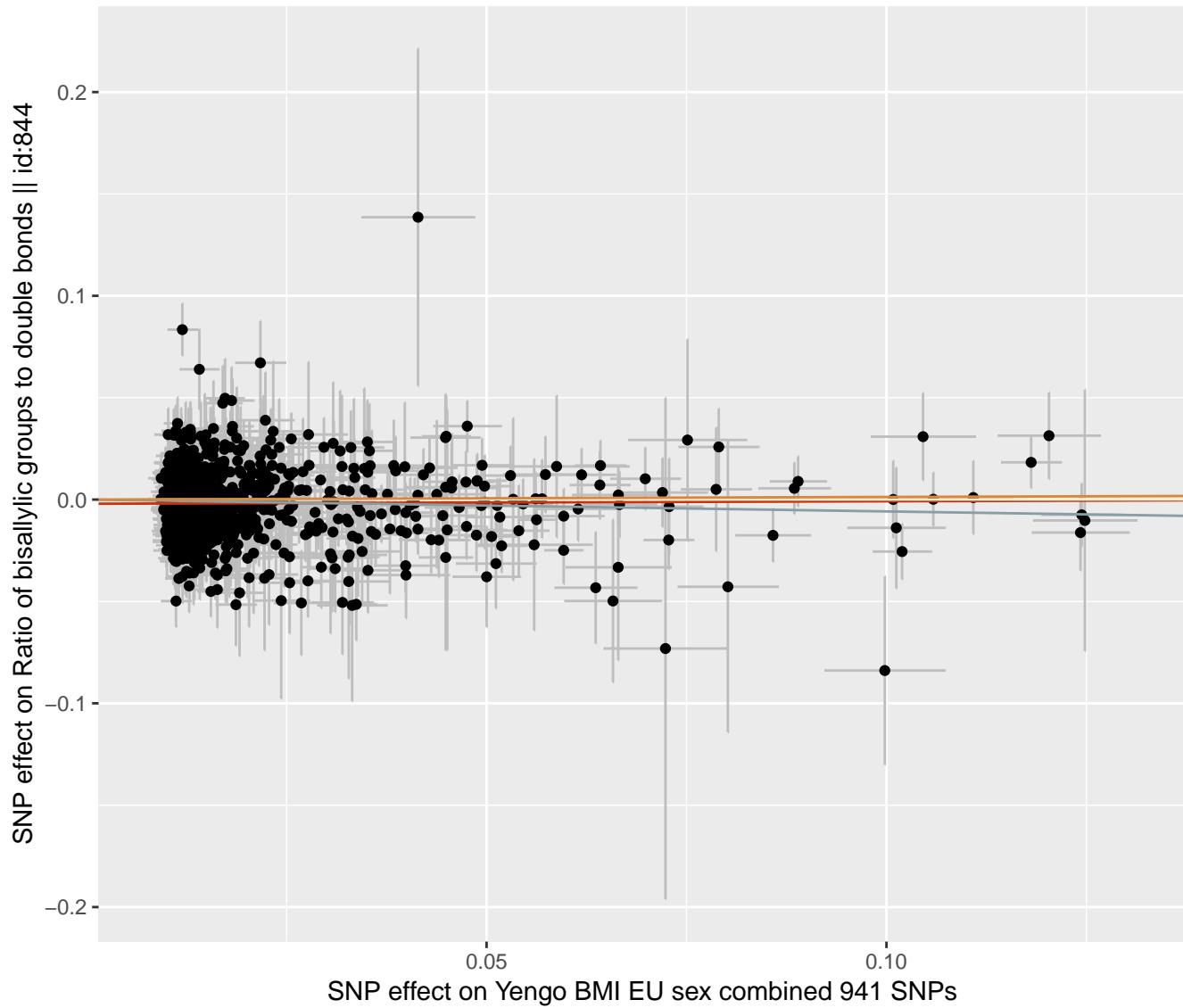
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

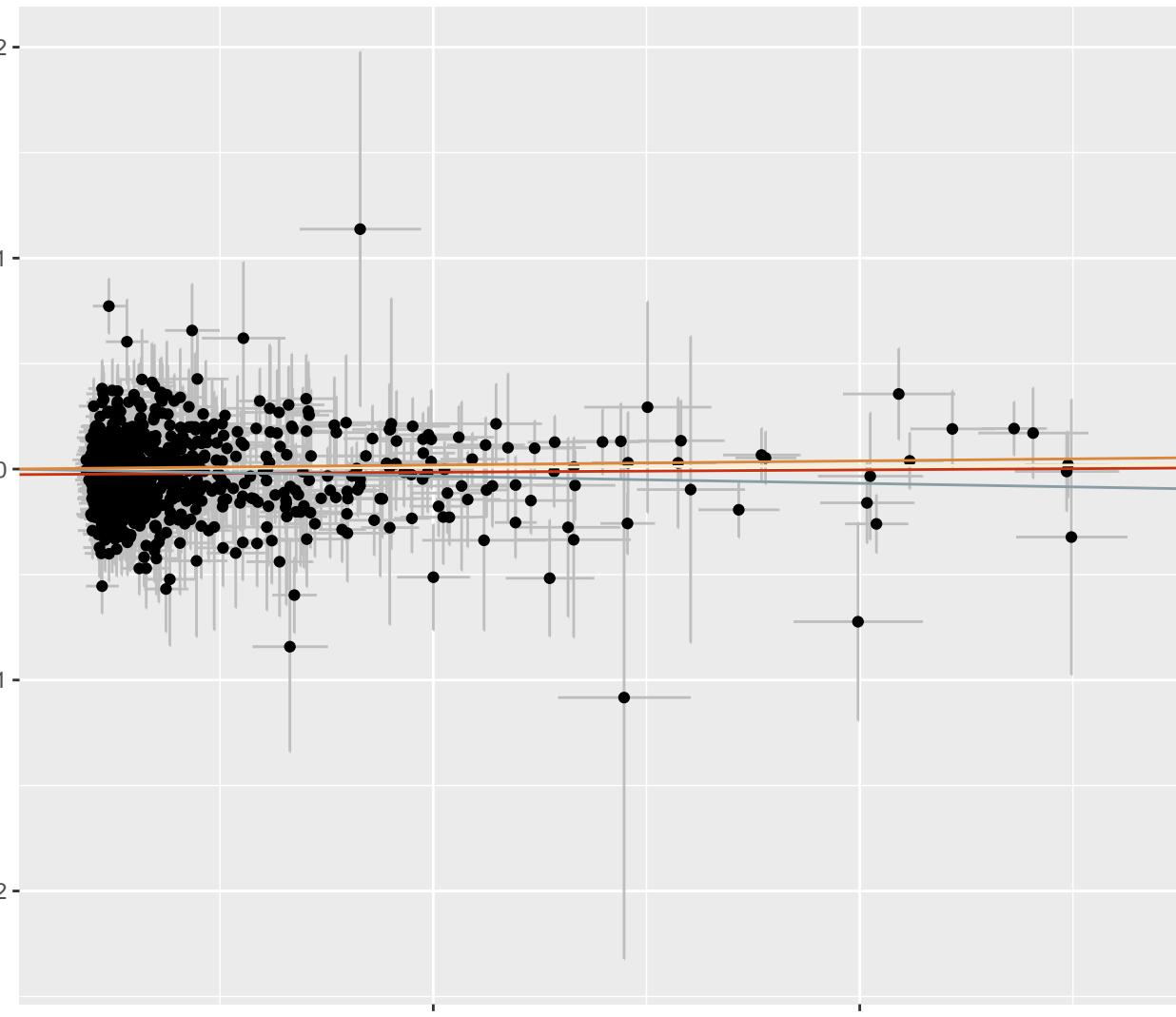


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

## MR Test



Inverse variance weighted (multiplicative random effects)



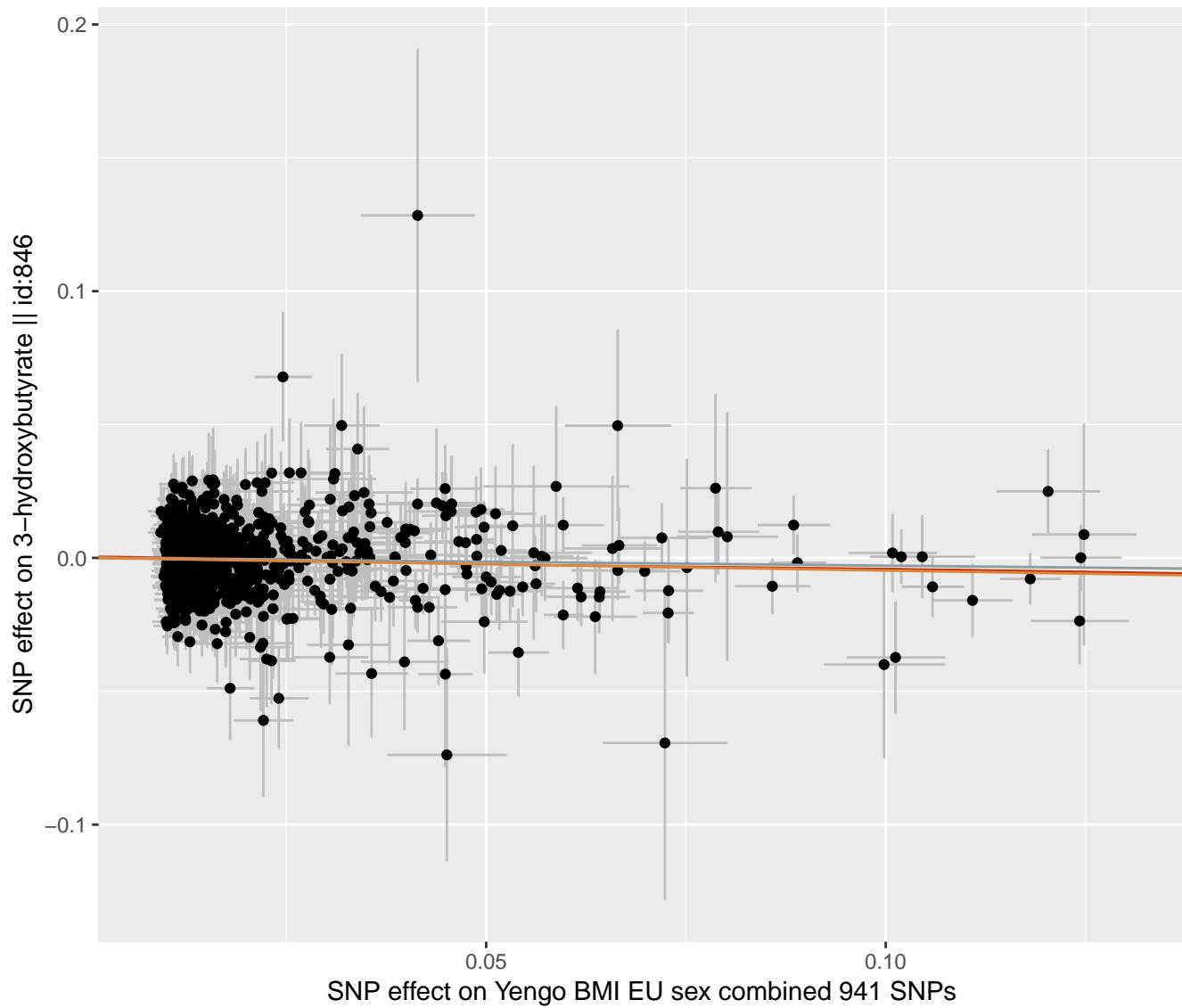
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

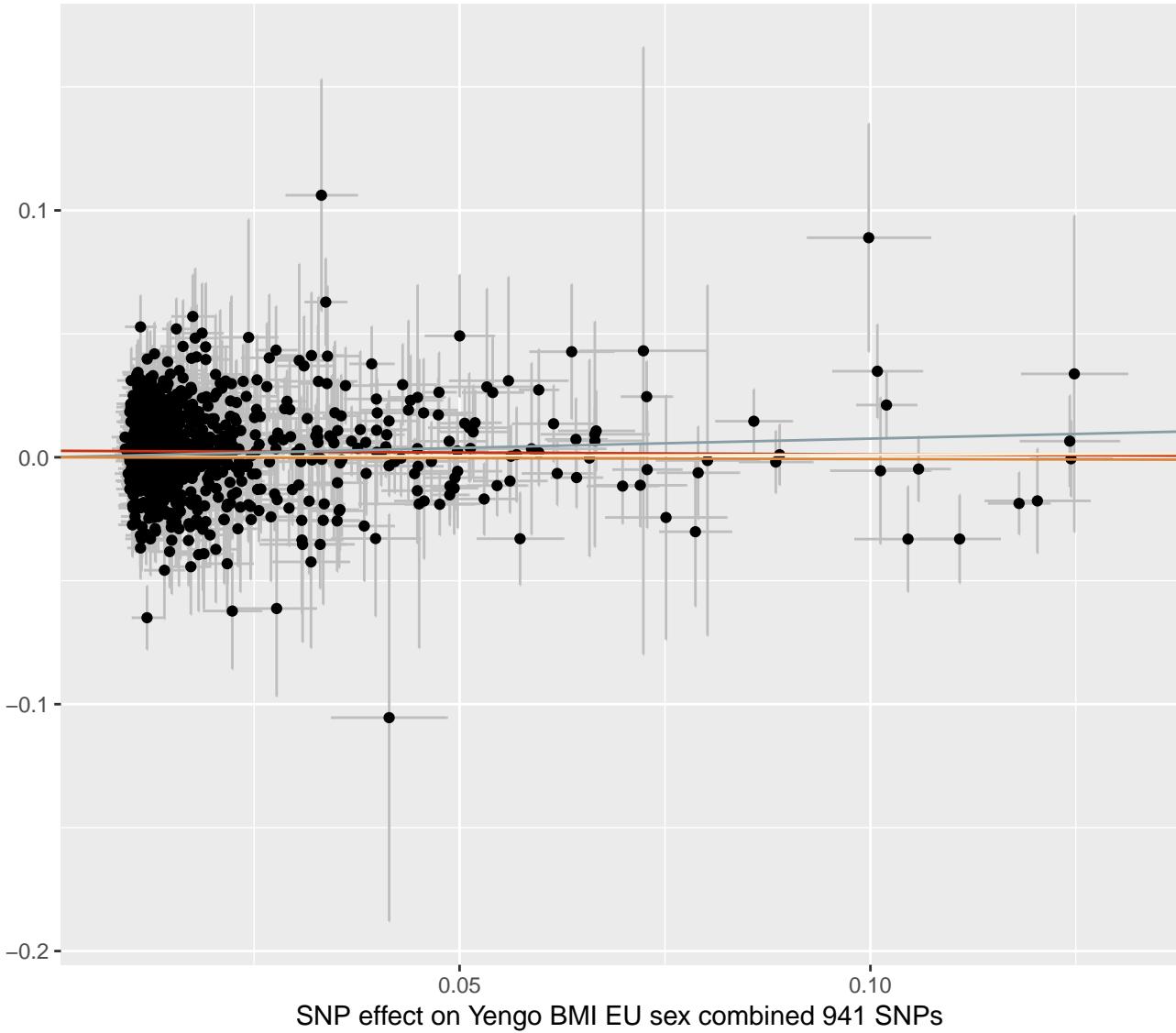


Weighted median



Weighted mode

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



### MR Test

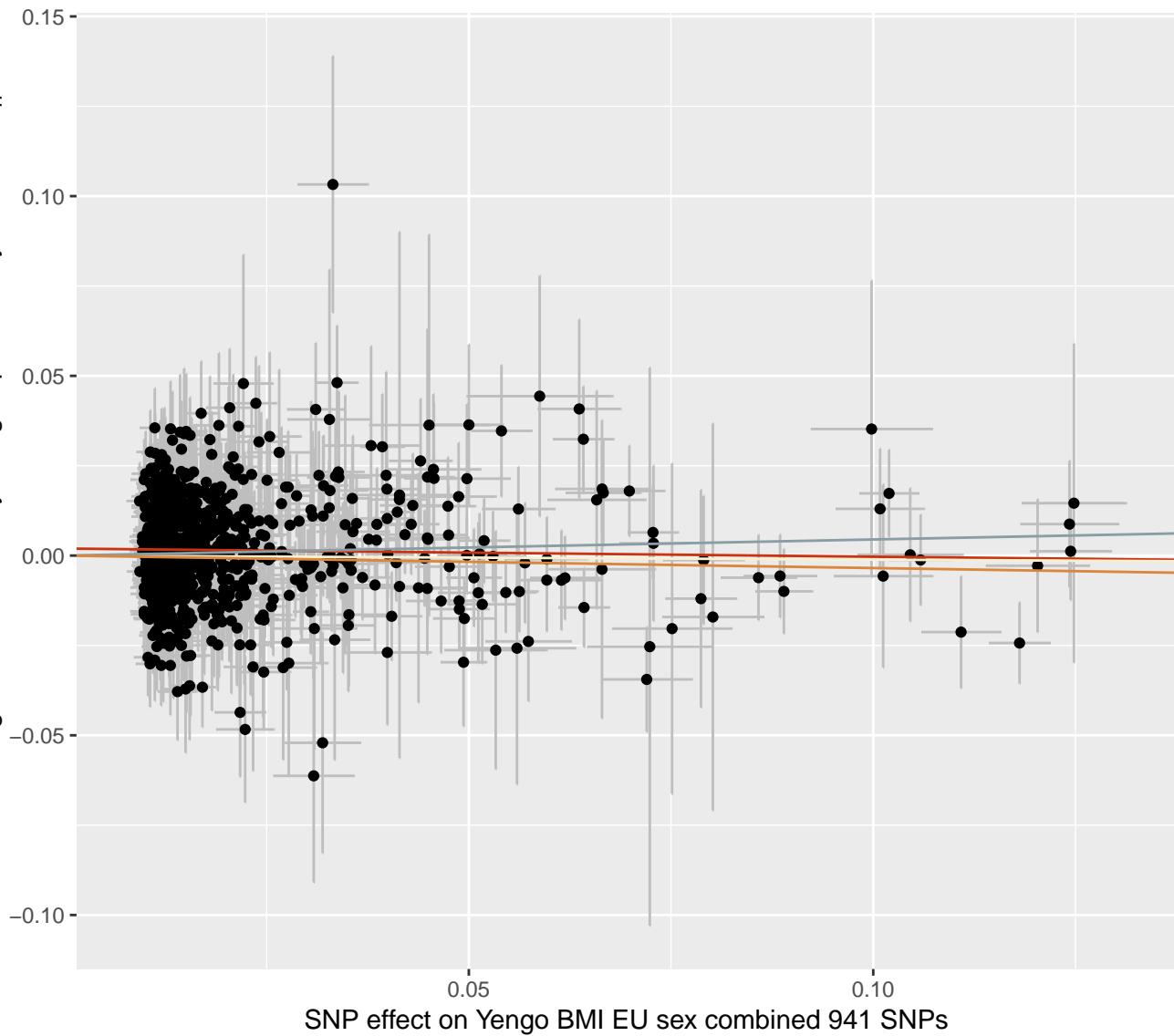
 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

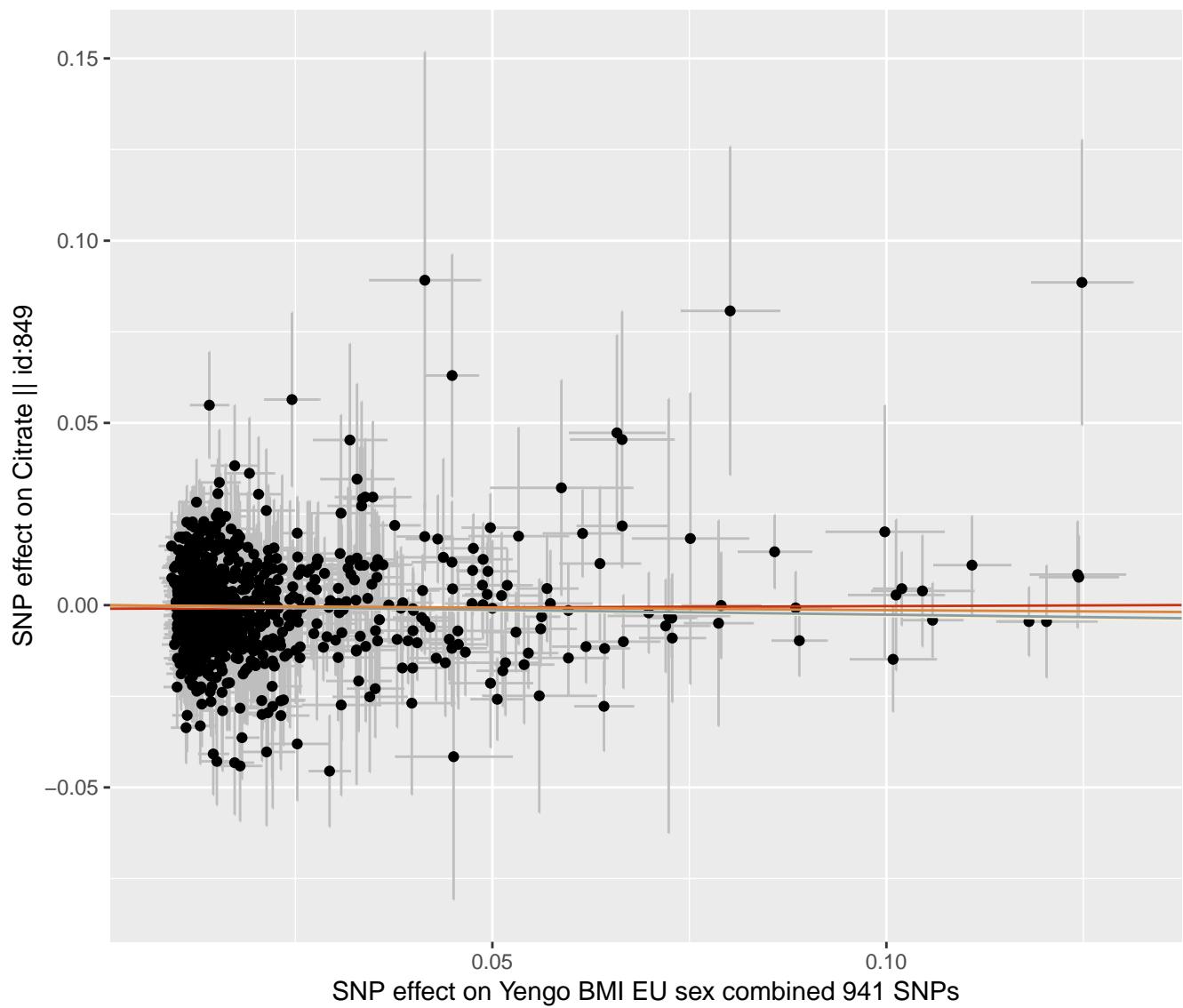
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



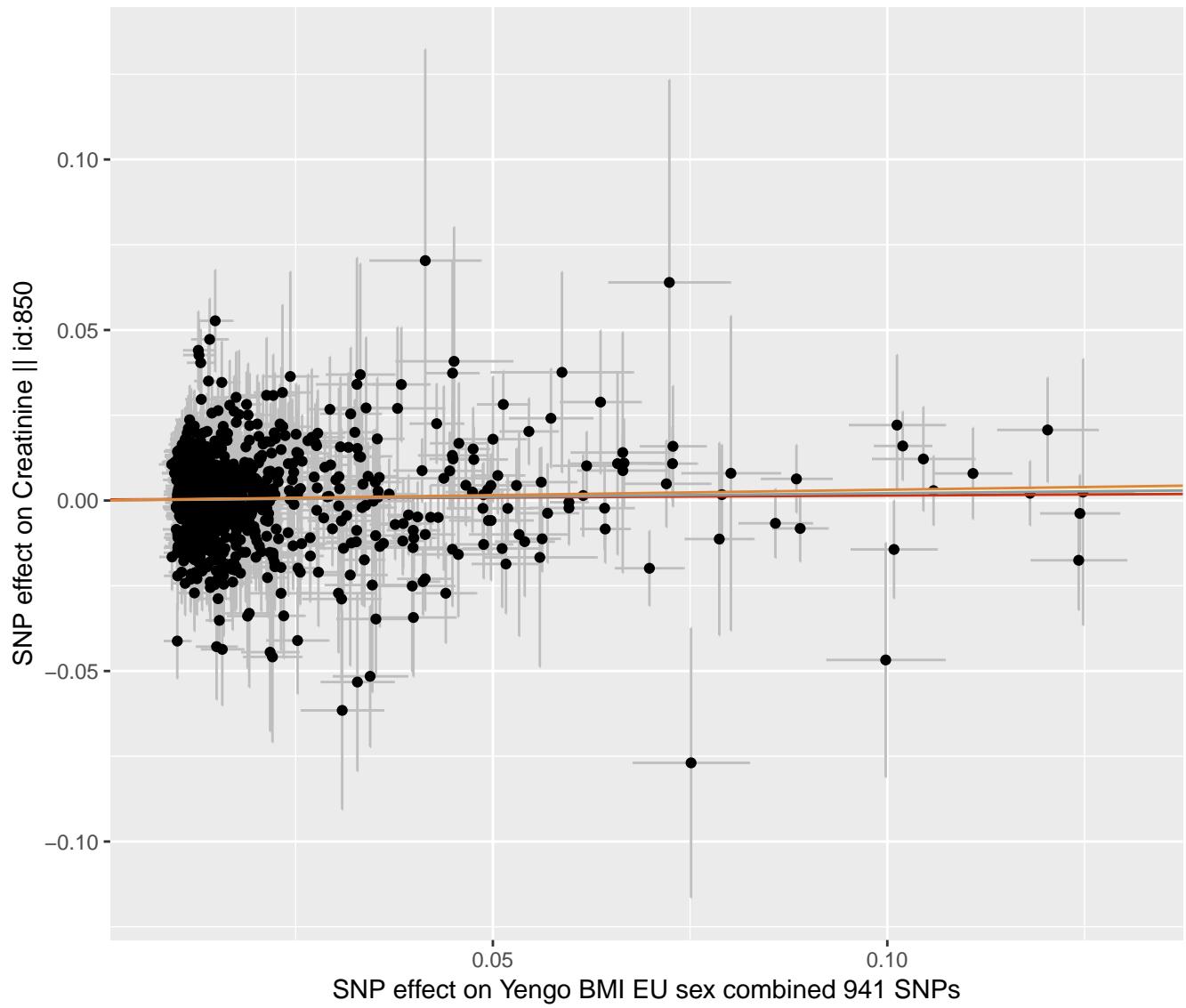
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

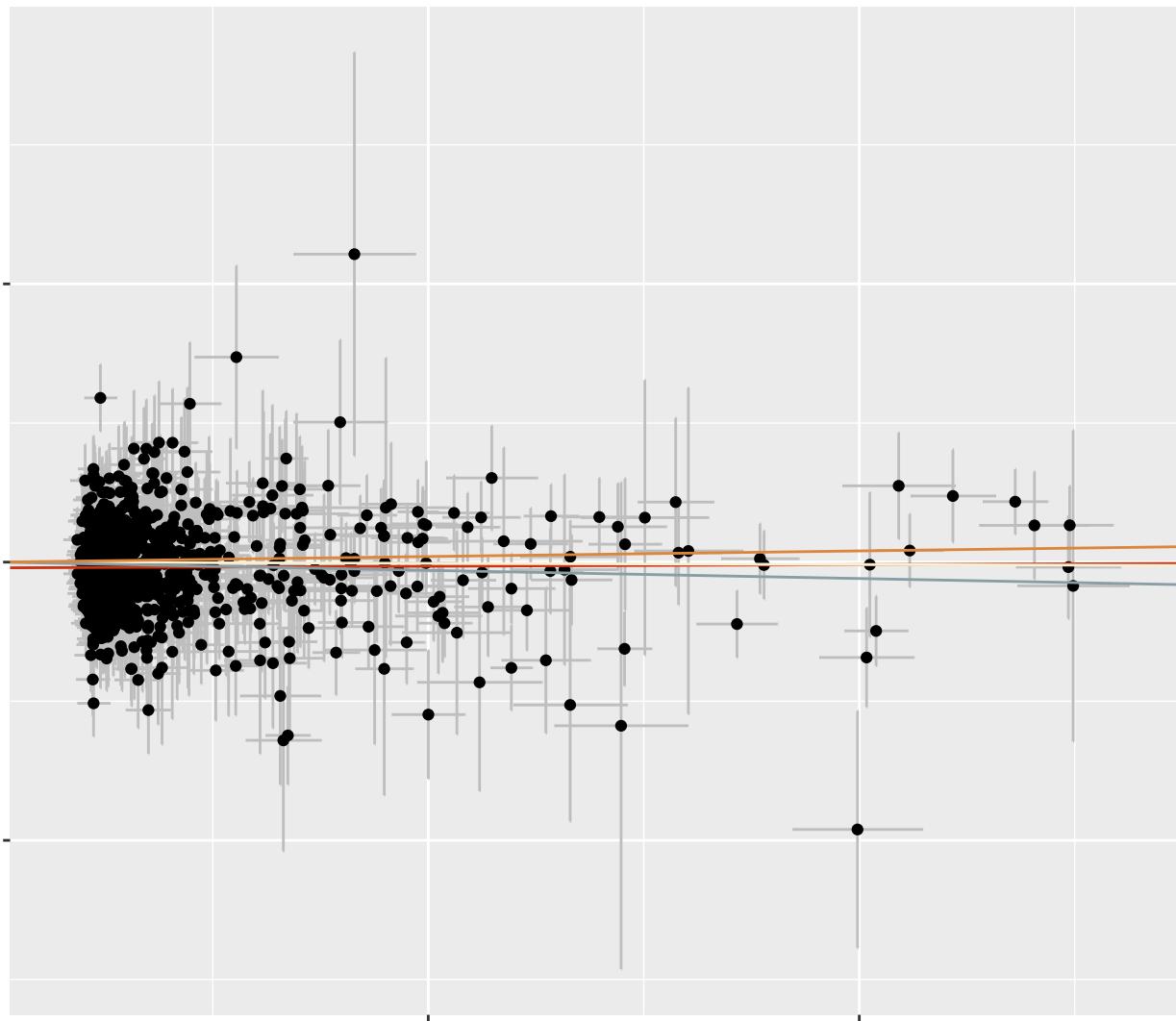


Weighted median



Weighted mode

SNP effect on Average number of double bonds in a fatty acid chain || id:851



SNP effect on Yengo BMI EU sex combined 941 SNPs

### MR Test



Inverse variance weighted (multiplicative random effects)



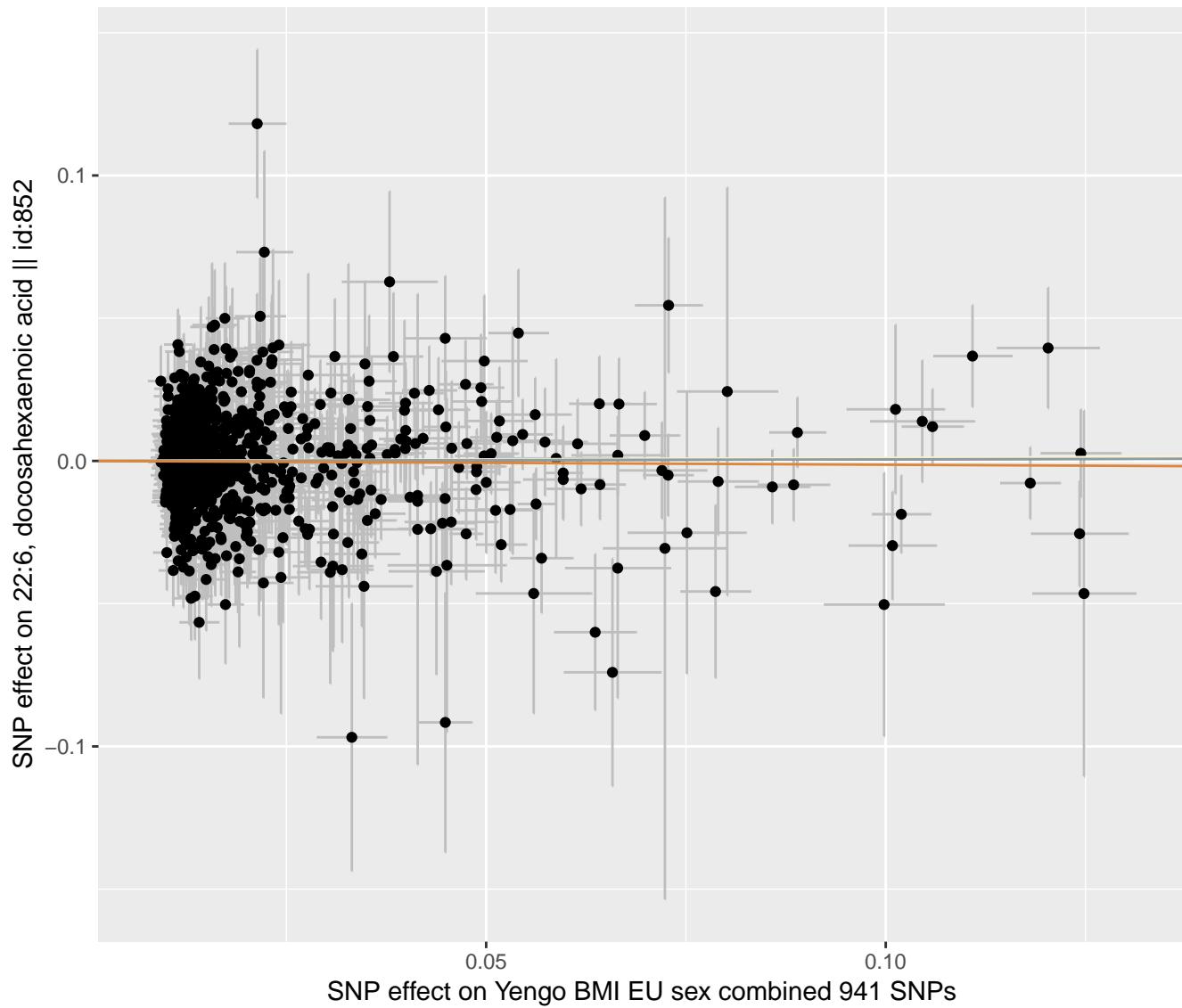
MR Egger



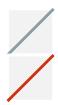
Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



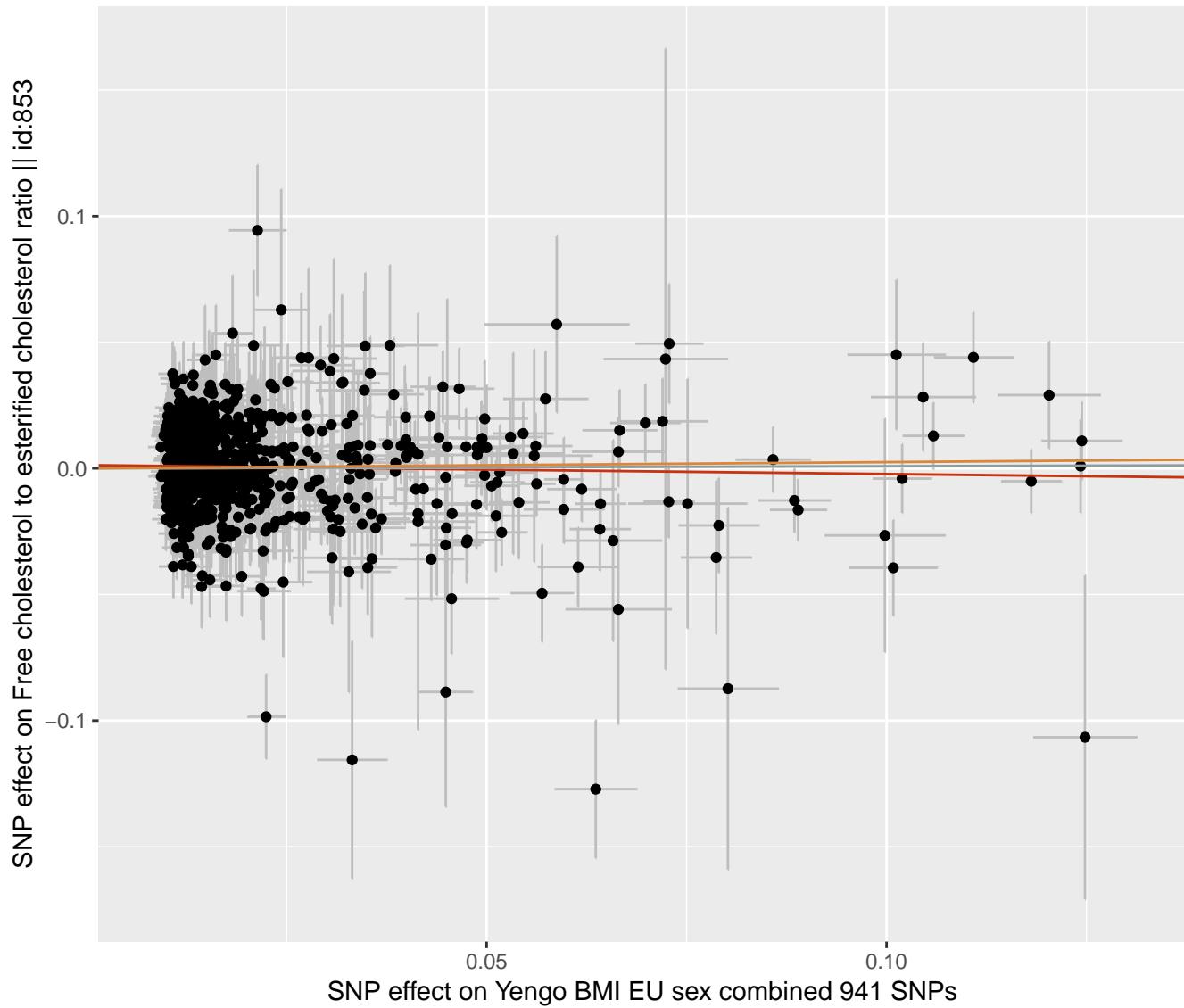
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

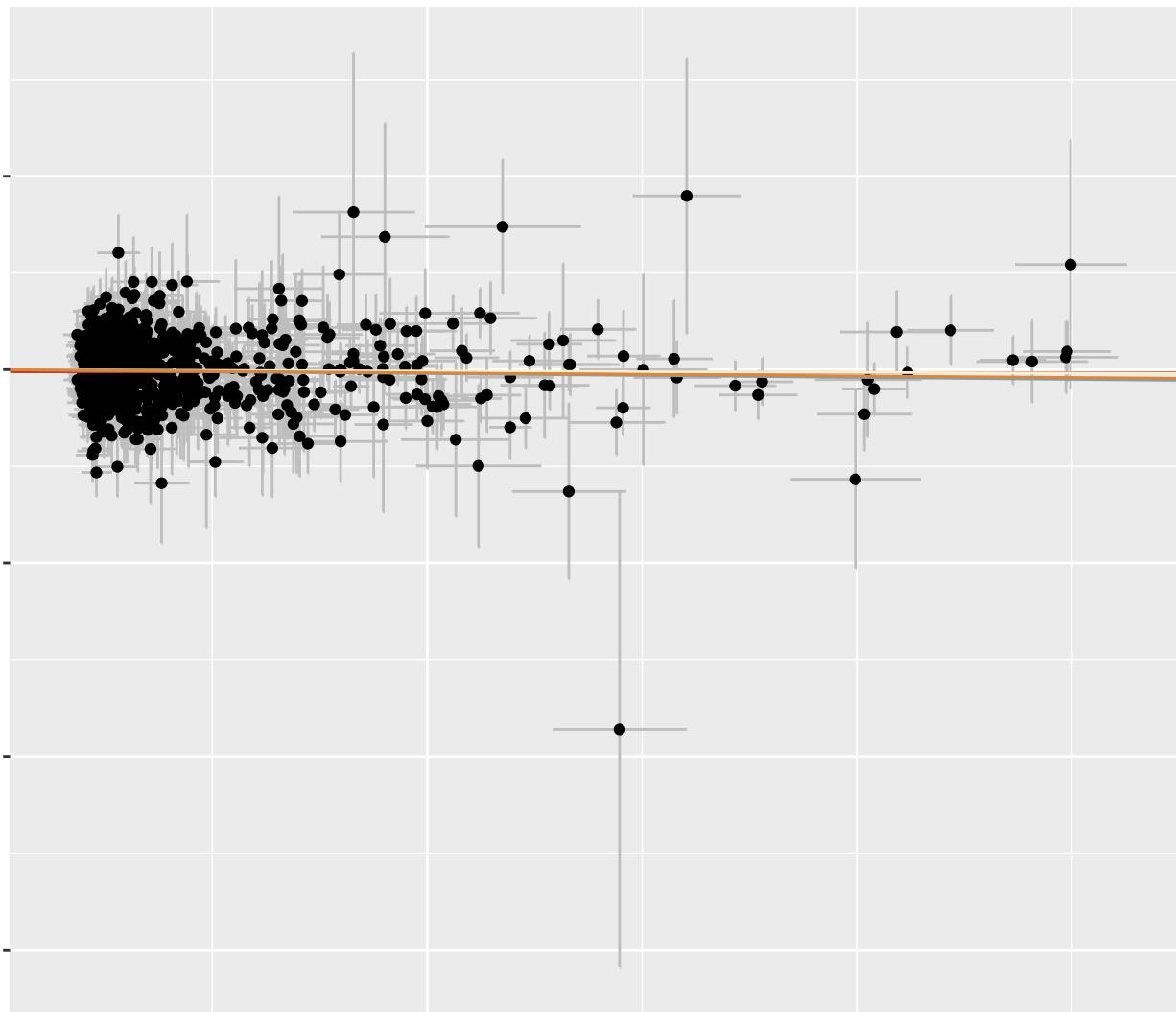


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

### MR Test



Inverse variance weighted (multiplicative random effects)



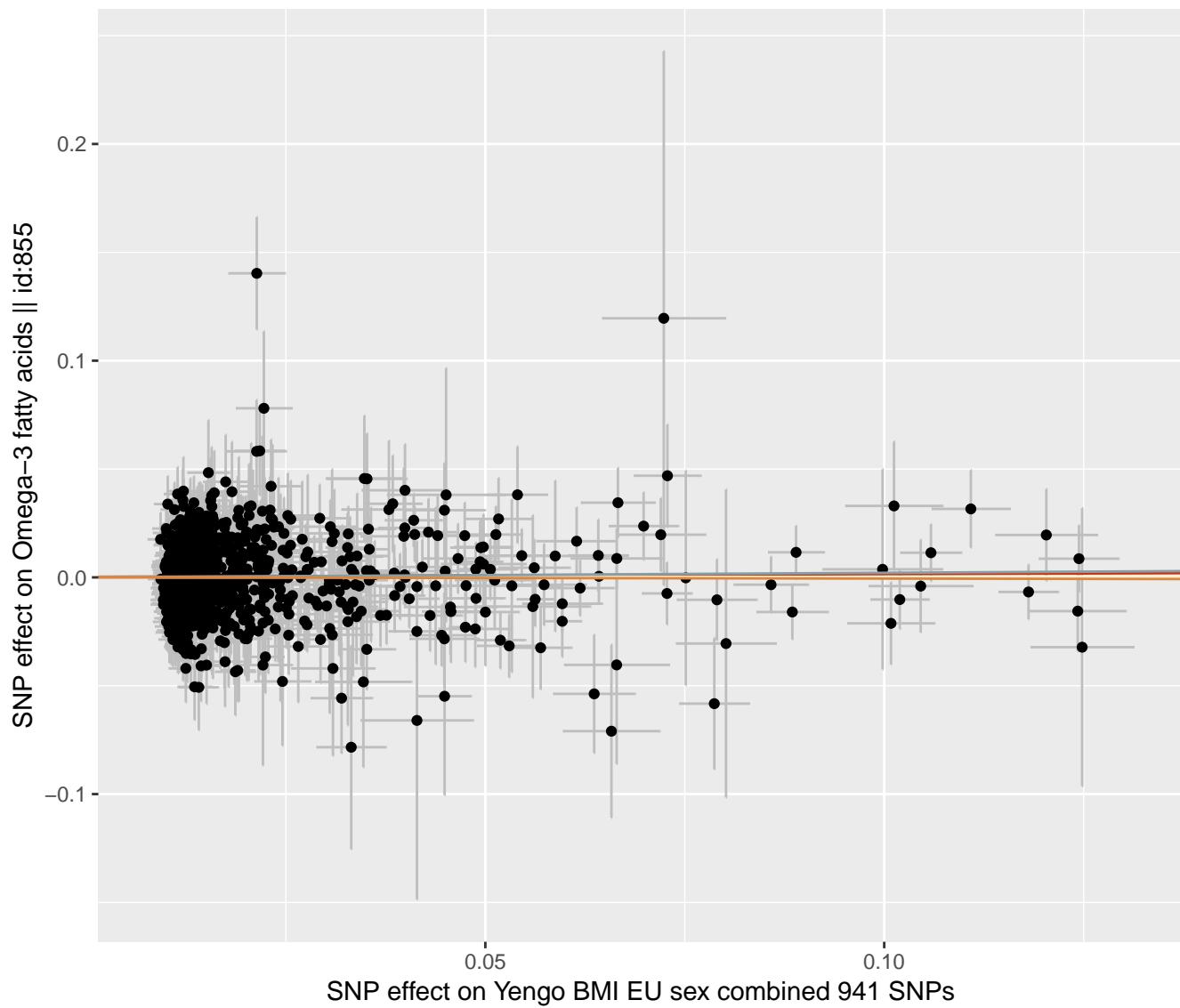
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



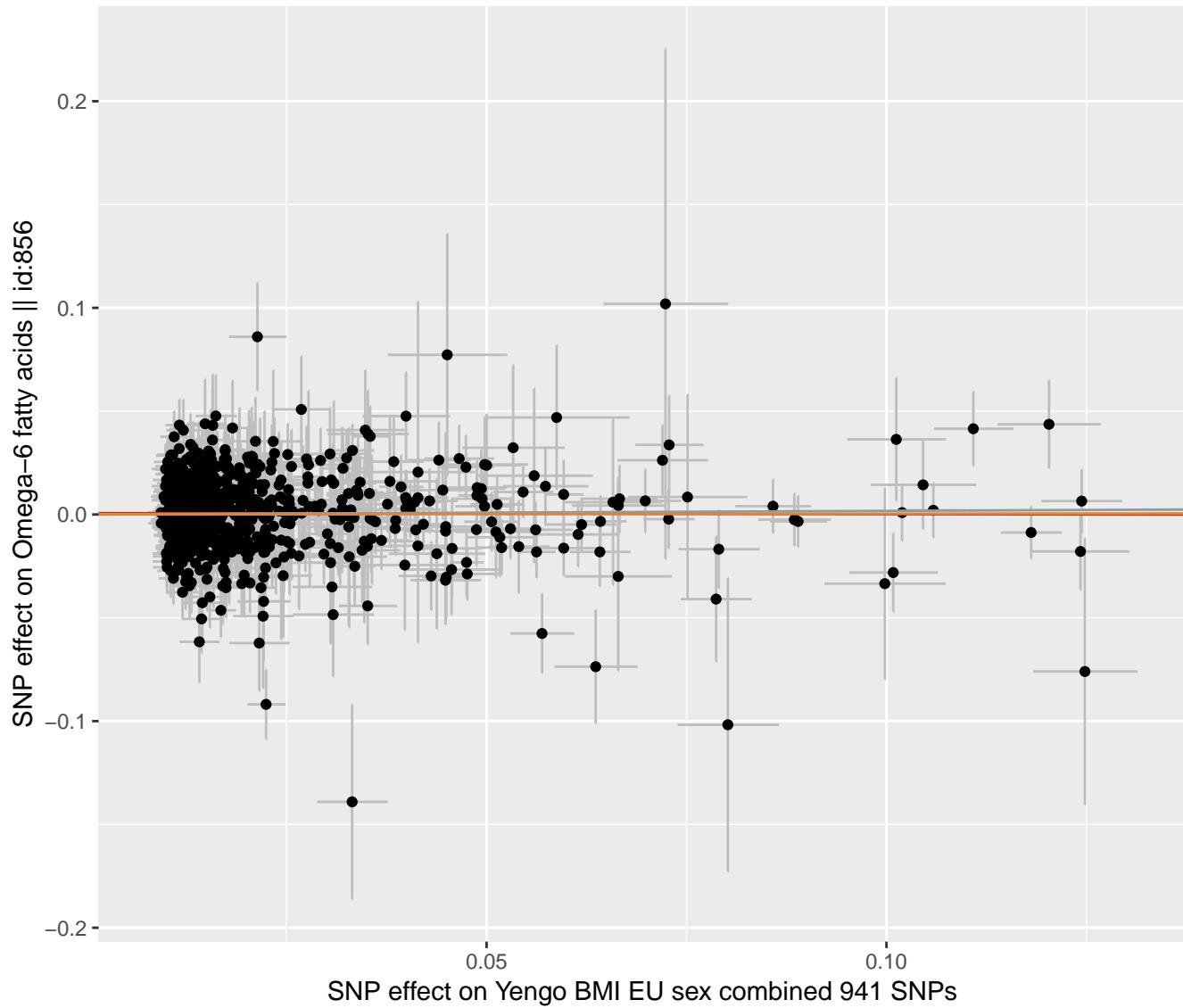
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



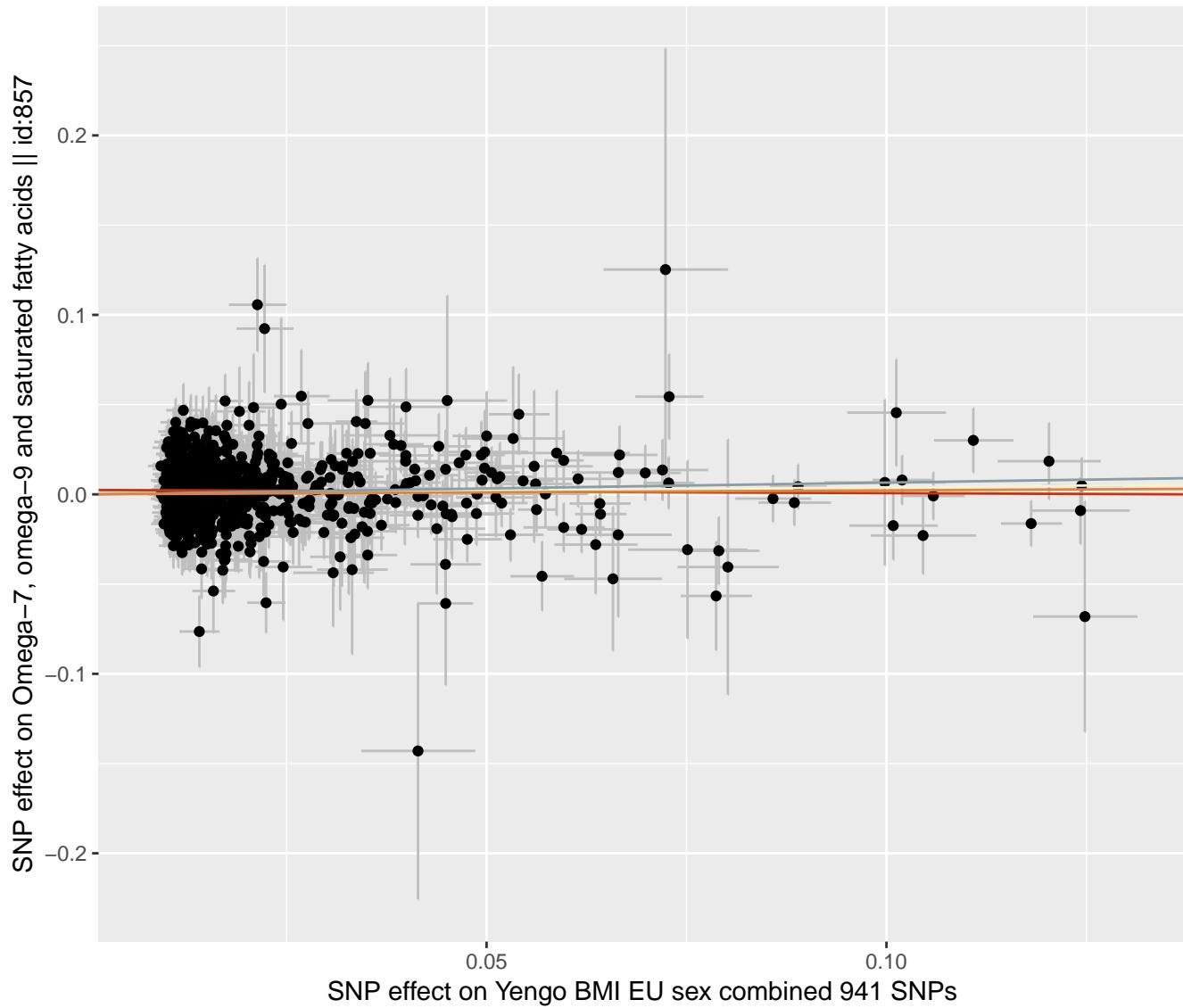
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



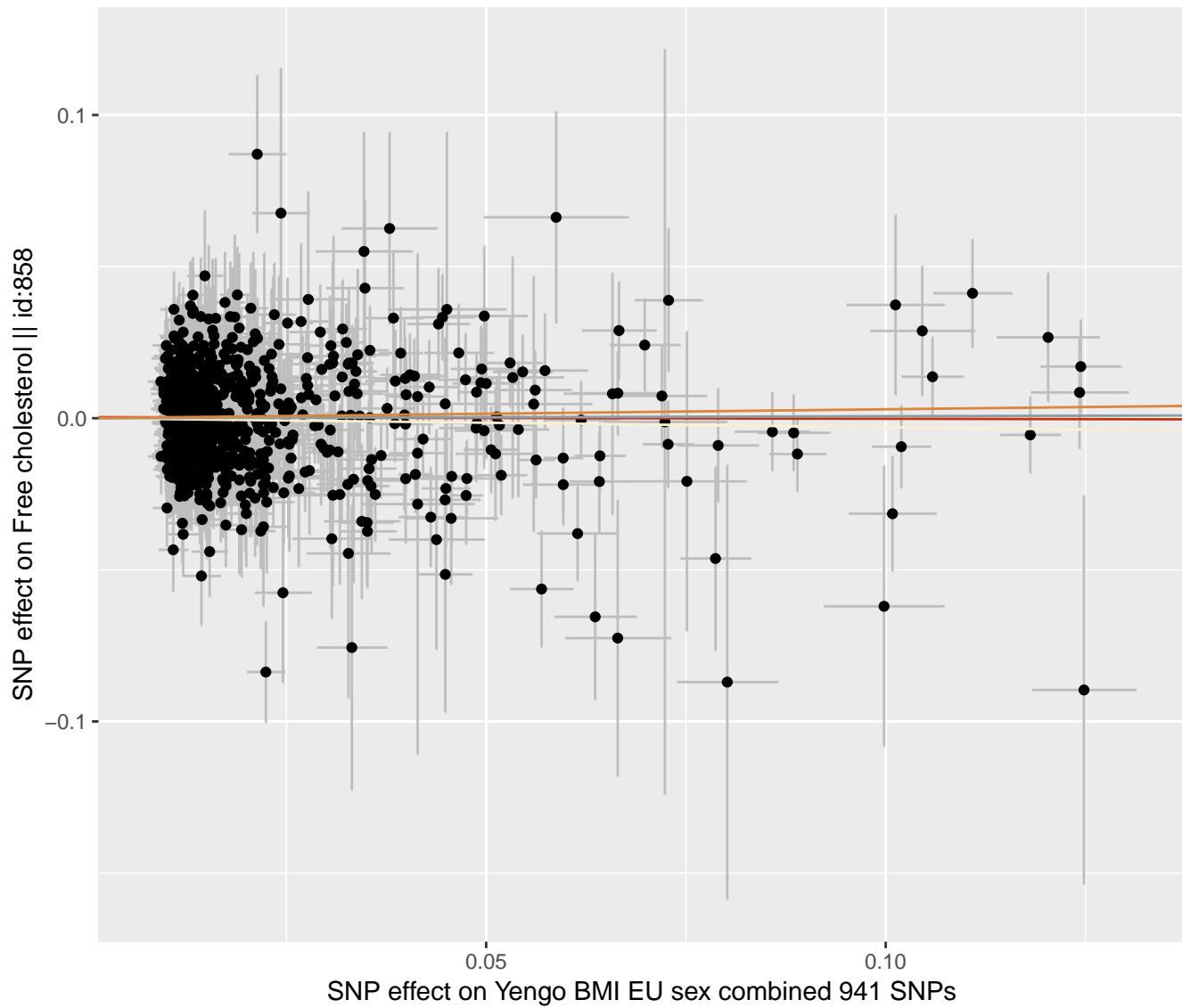
MR Egger



Weighted median



Weighted mode



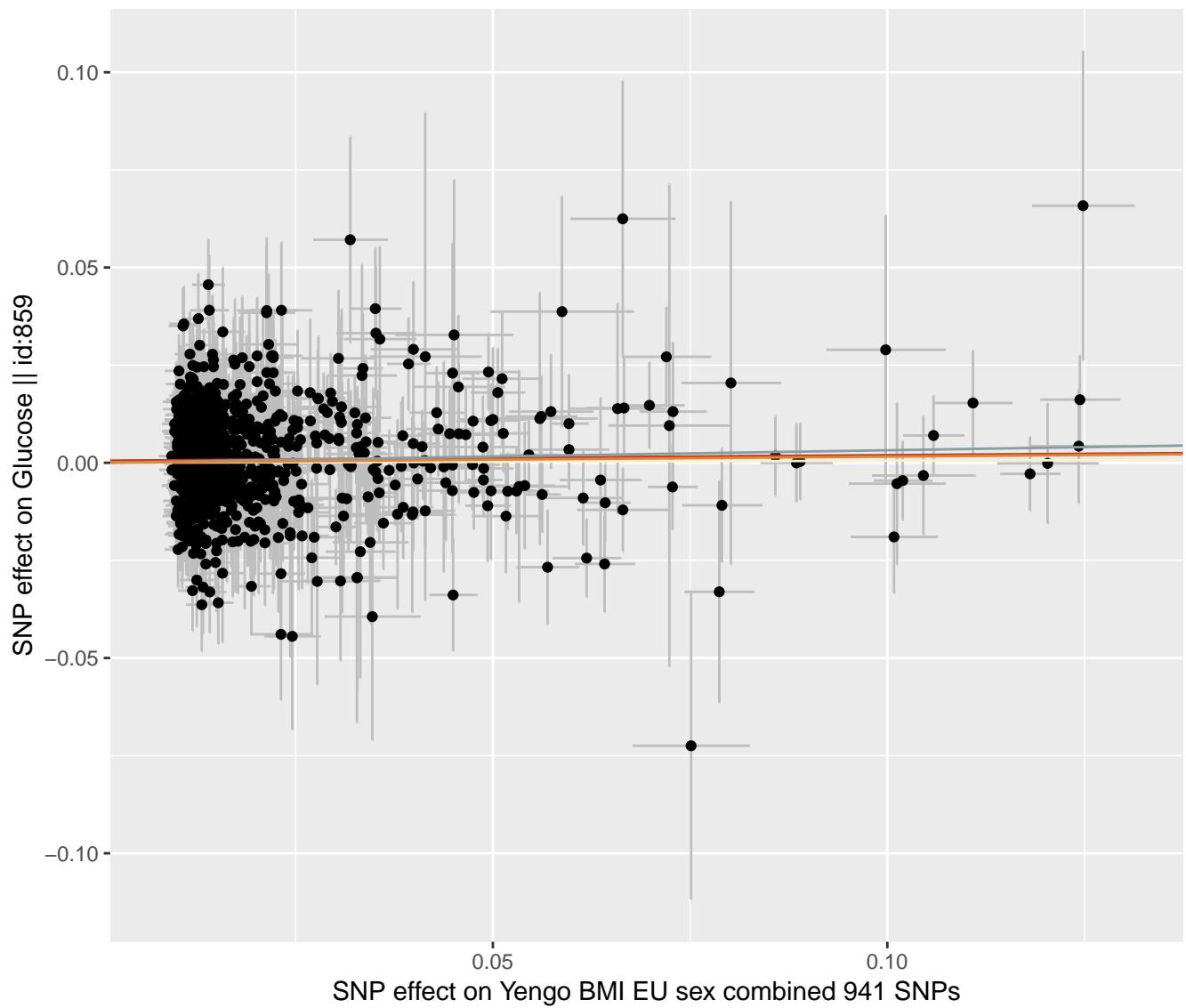
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

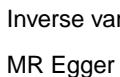
 Weighted median

 Weighted mode

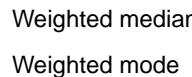


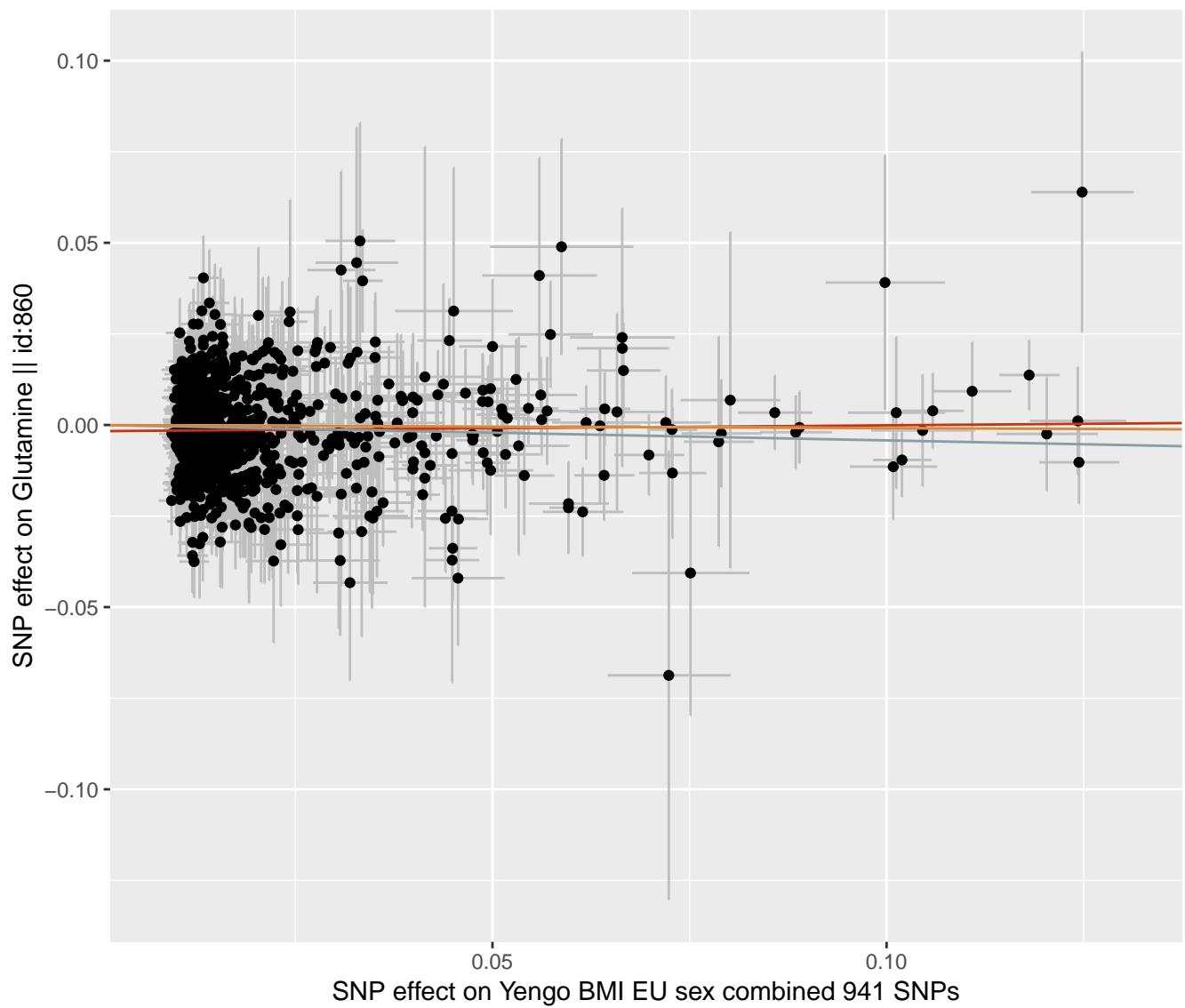
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



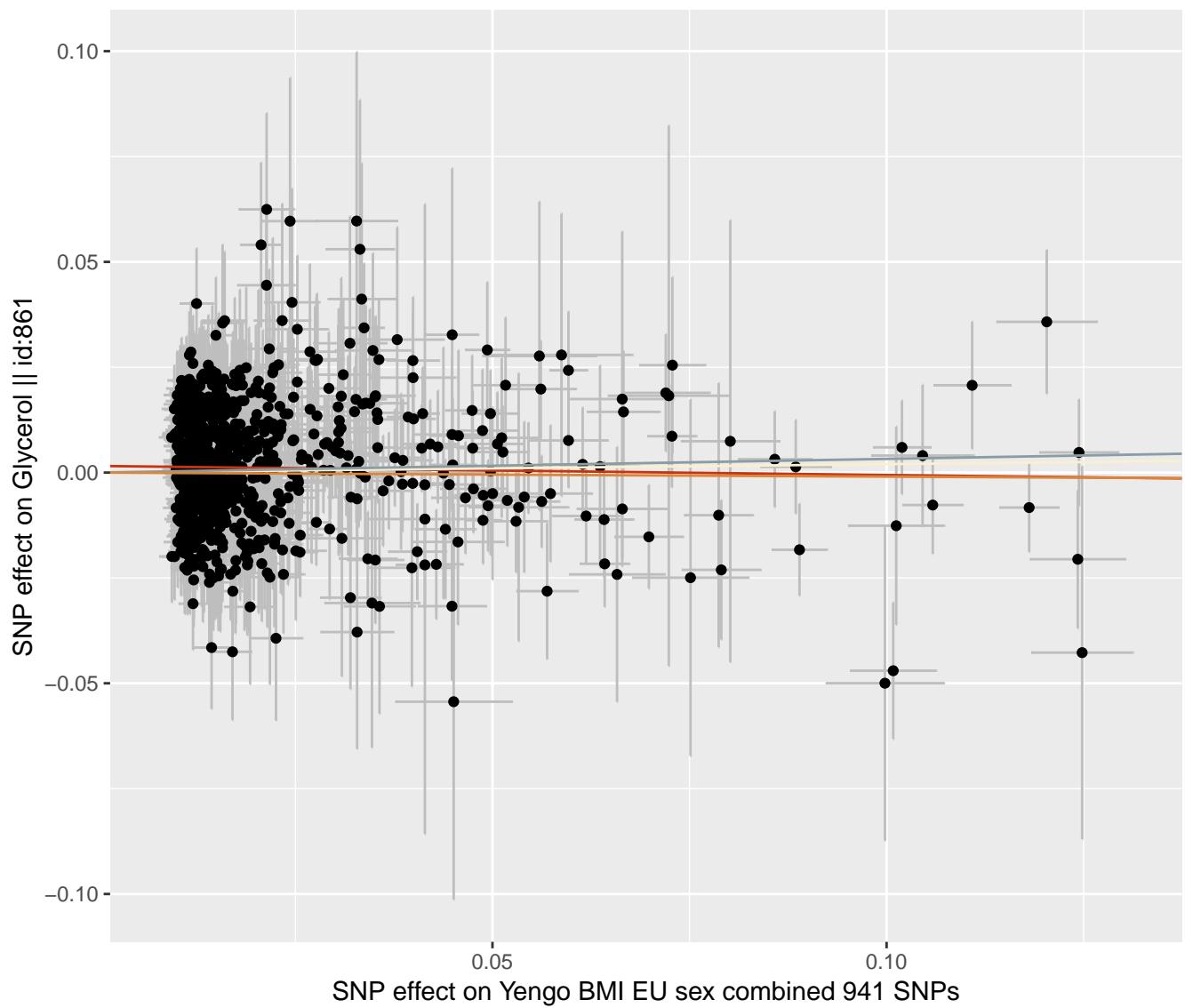
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



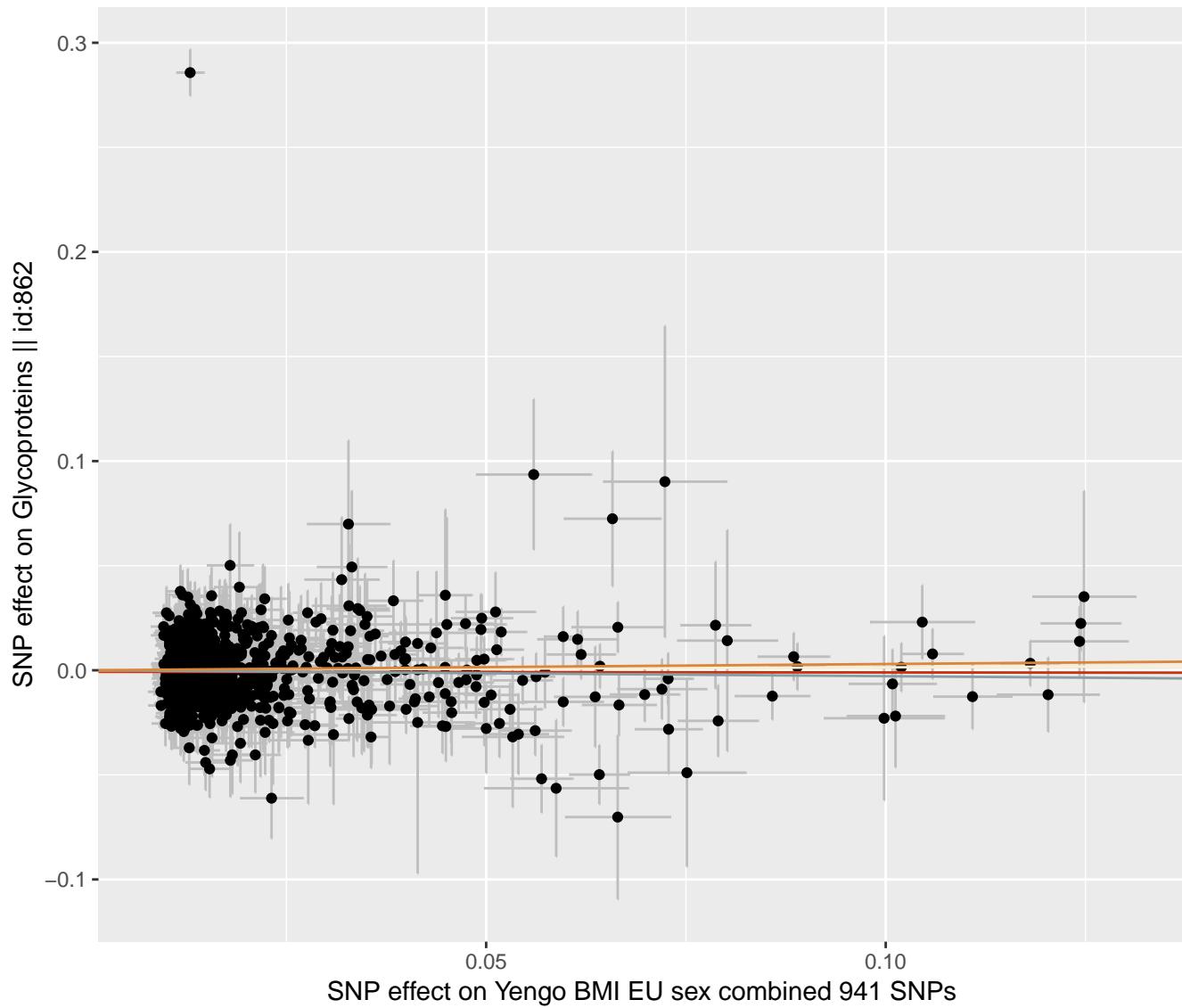
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

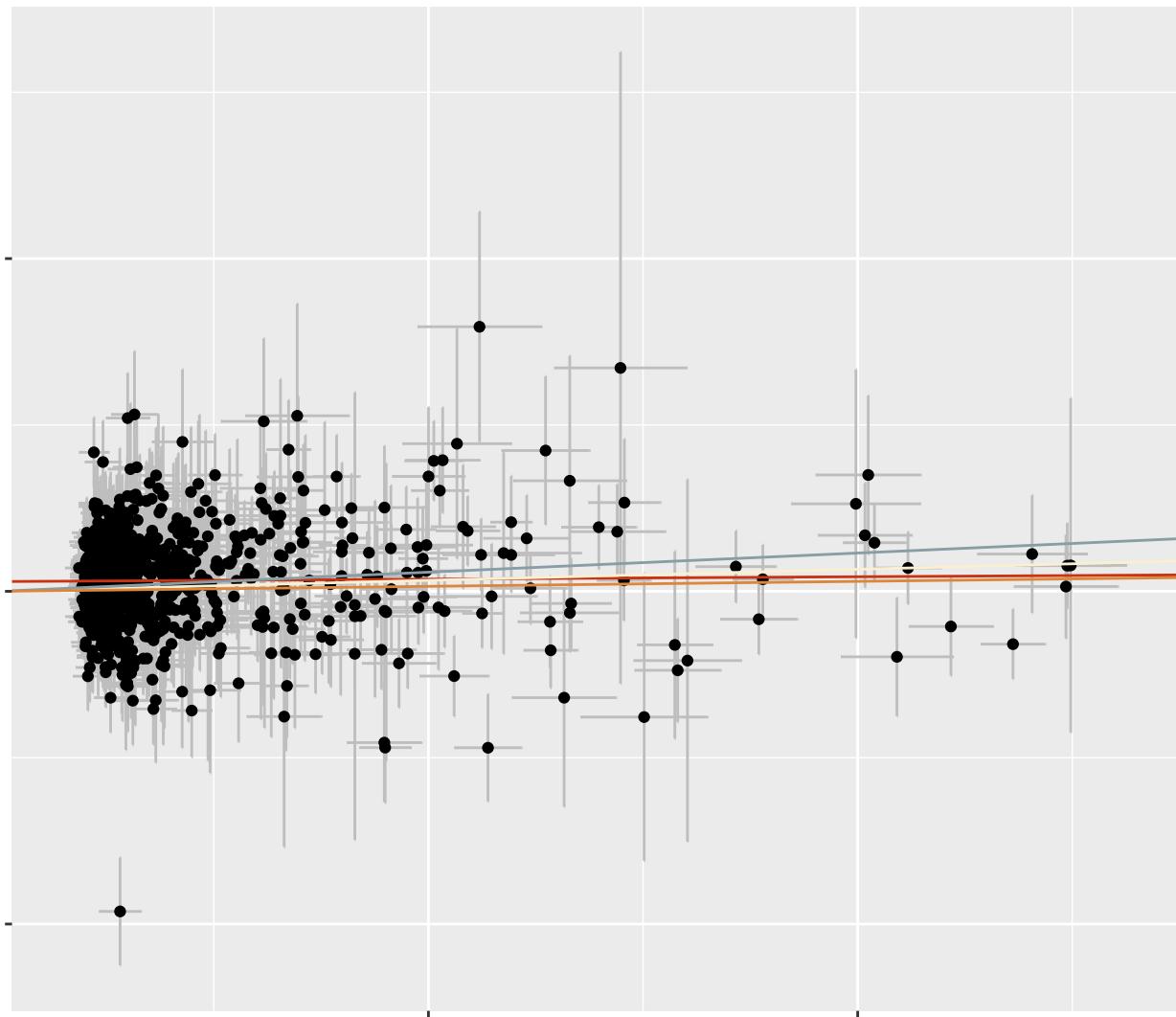


Weighted median



Weighted mode

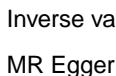
SNP effect on Glycoprotein acetyls || id:863



SNP effect on Yengo BMI EU sex combined 941 SNPs

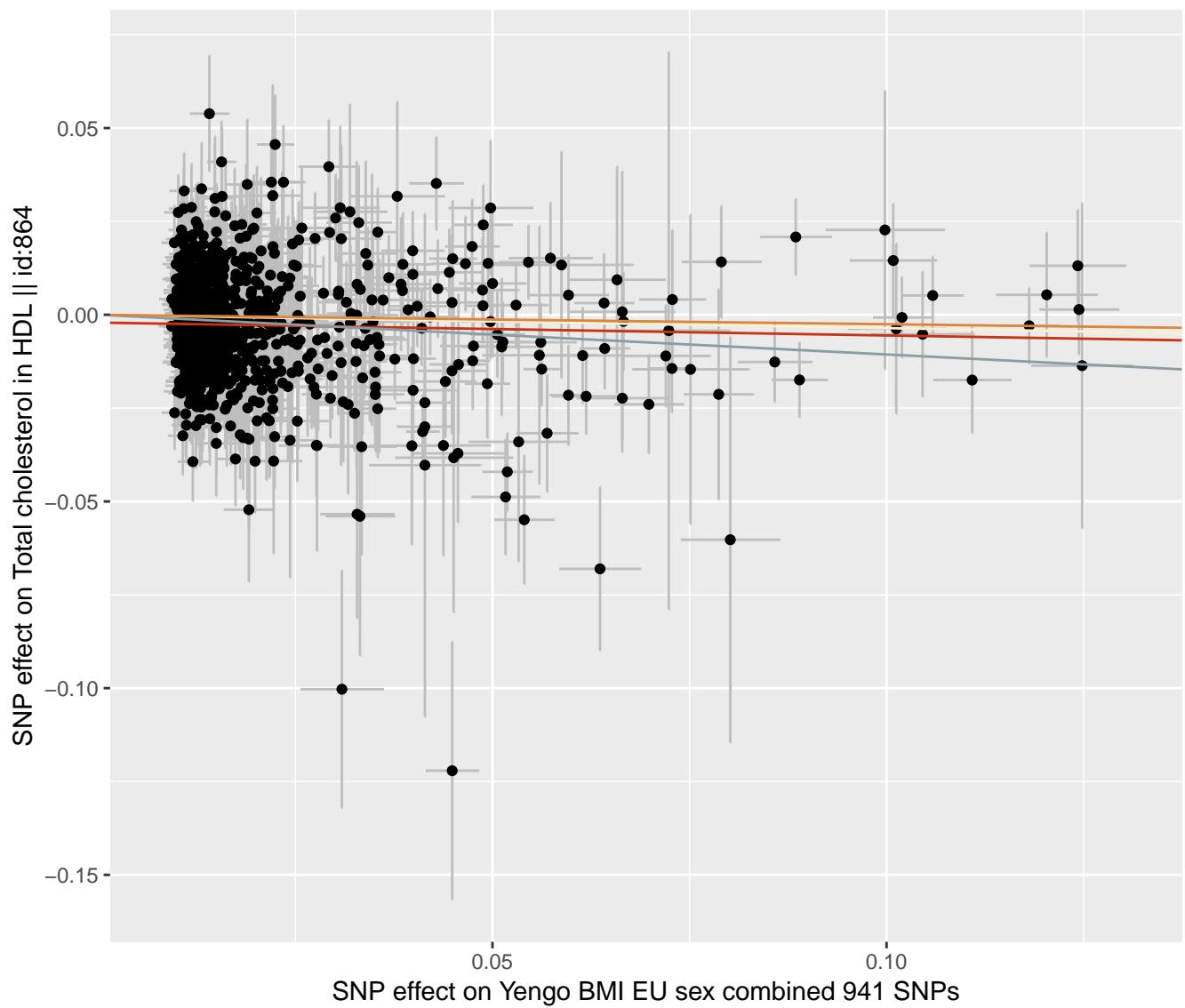
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



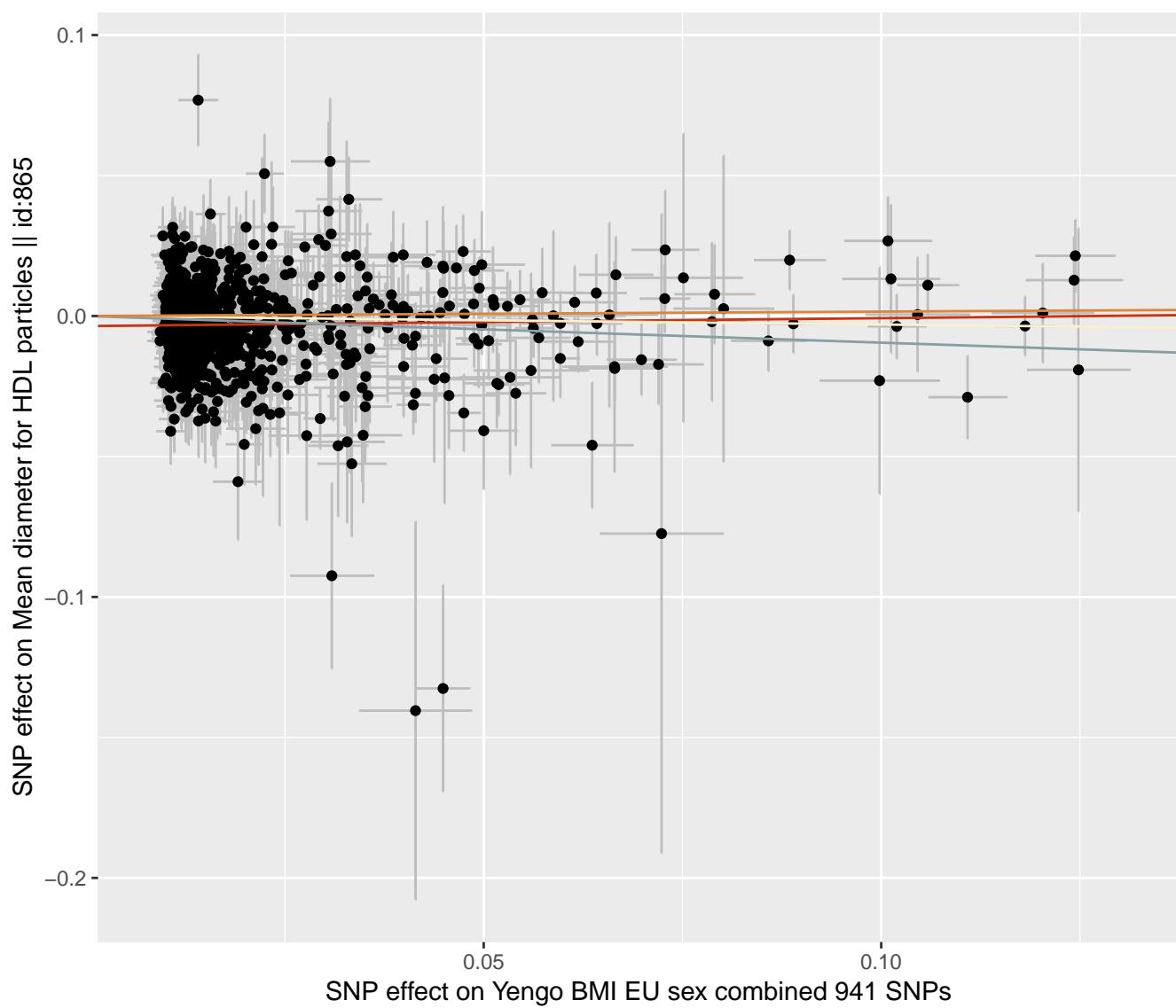
MR Egger



Weighted median

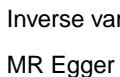


Weighted mode



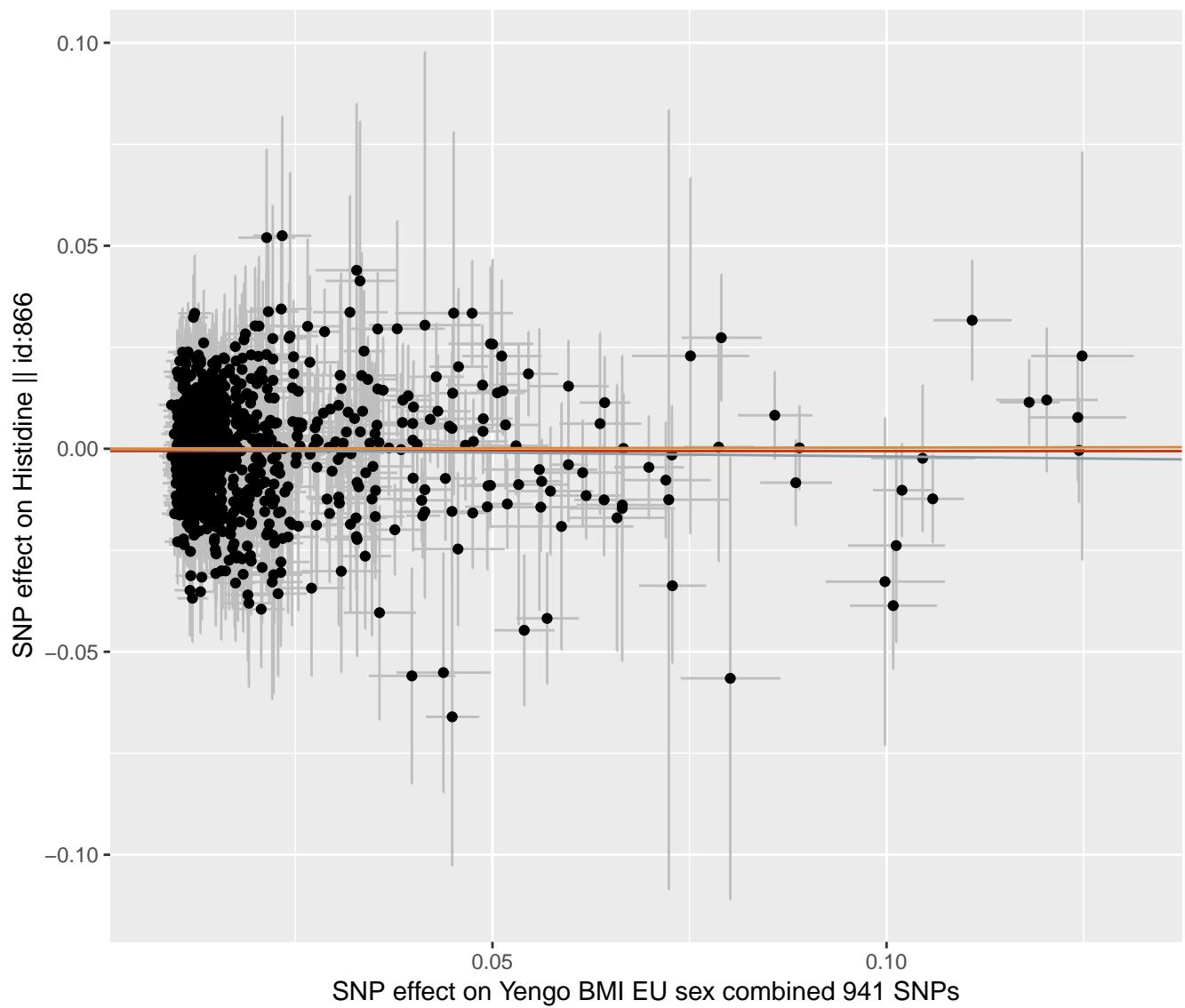
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



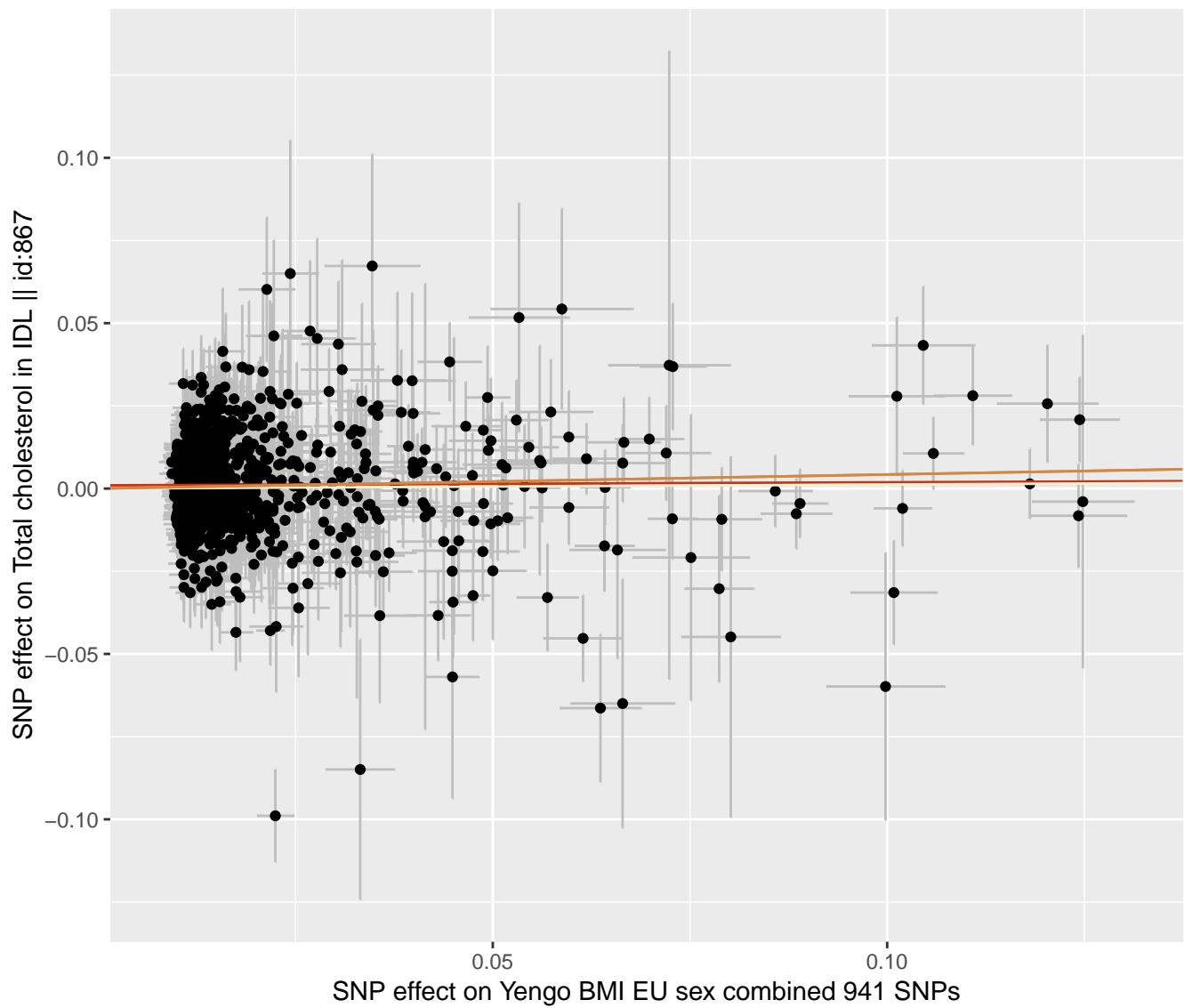
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



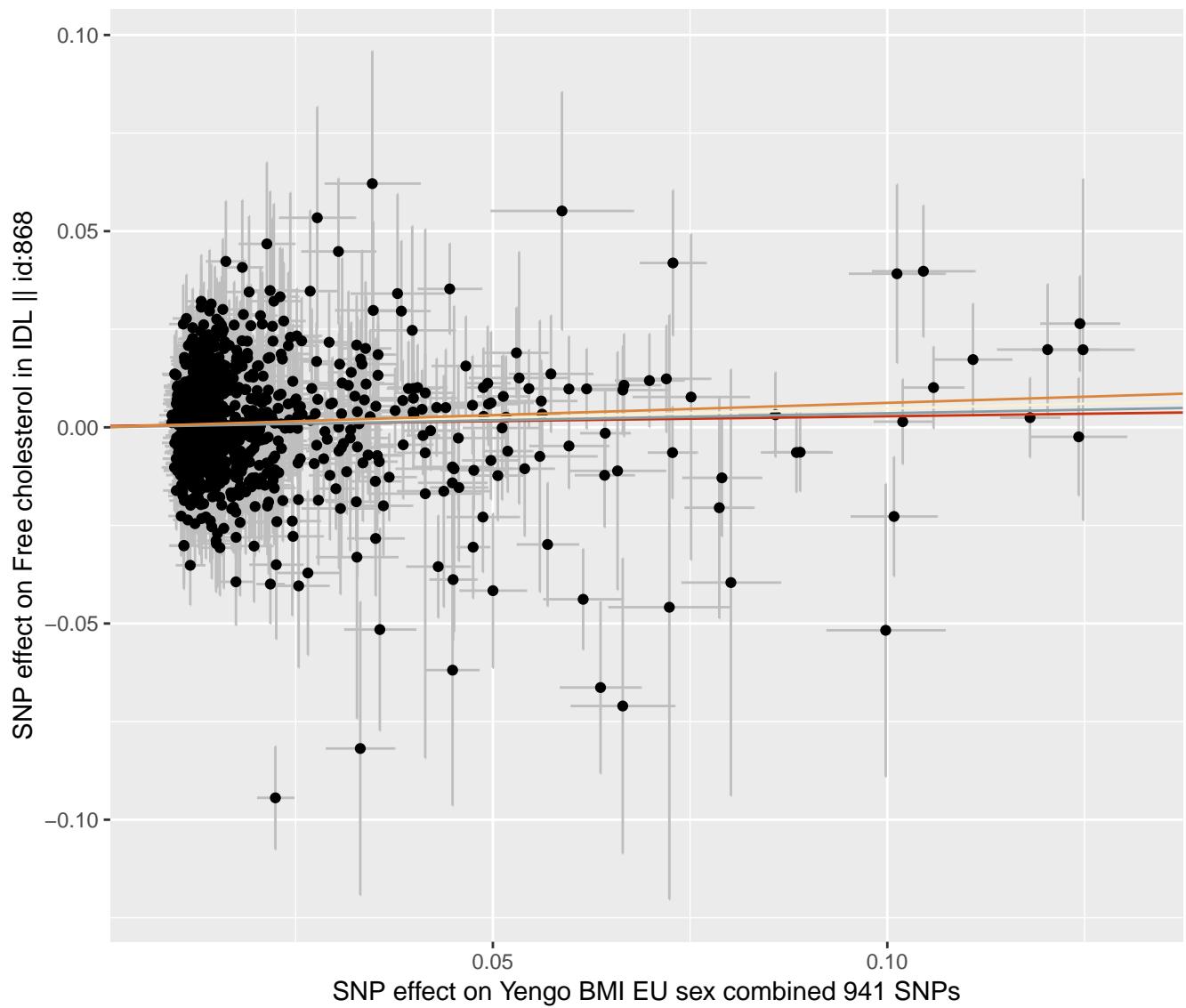
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



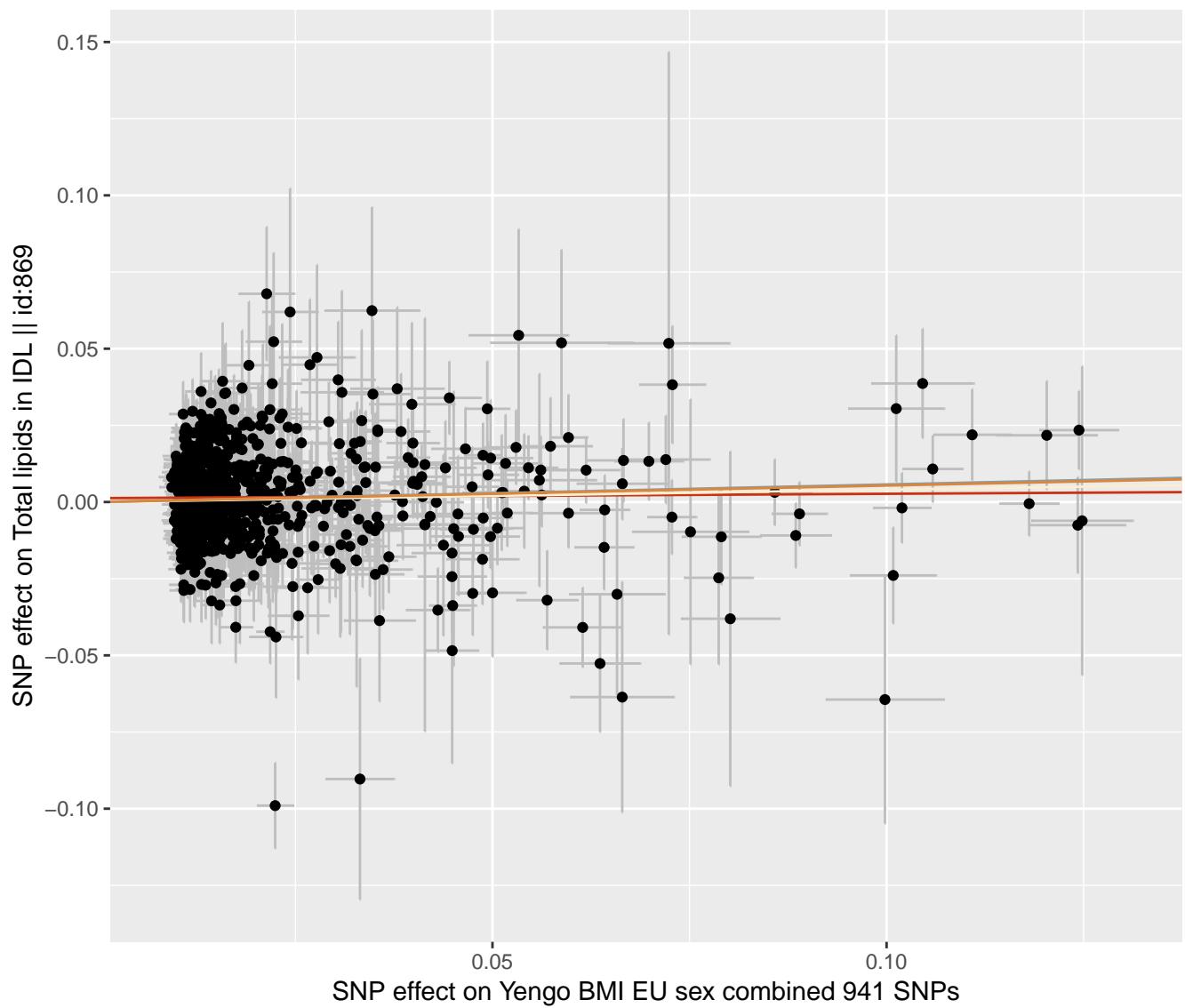
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

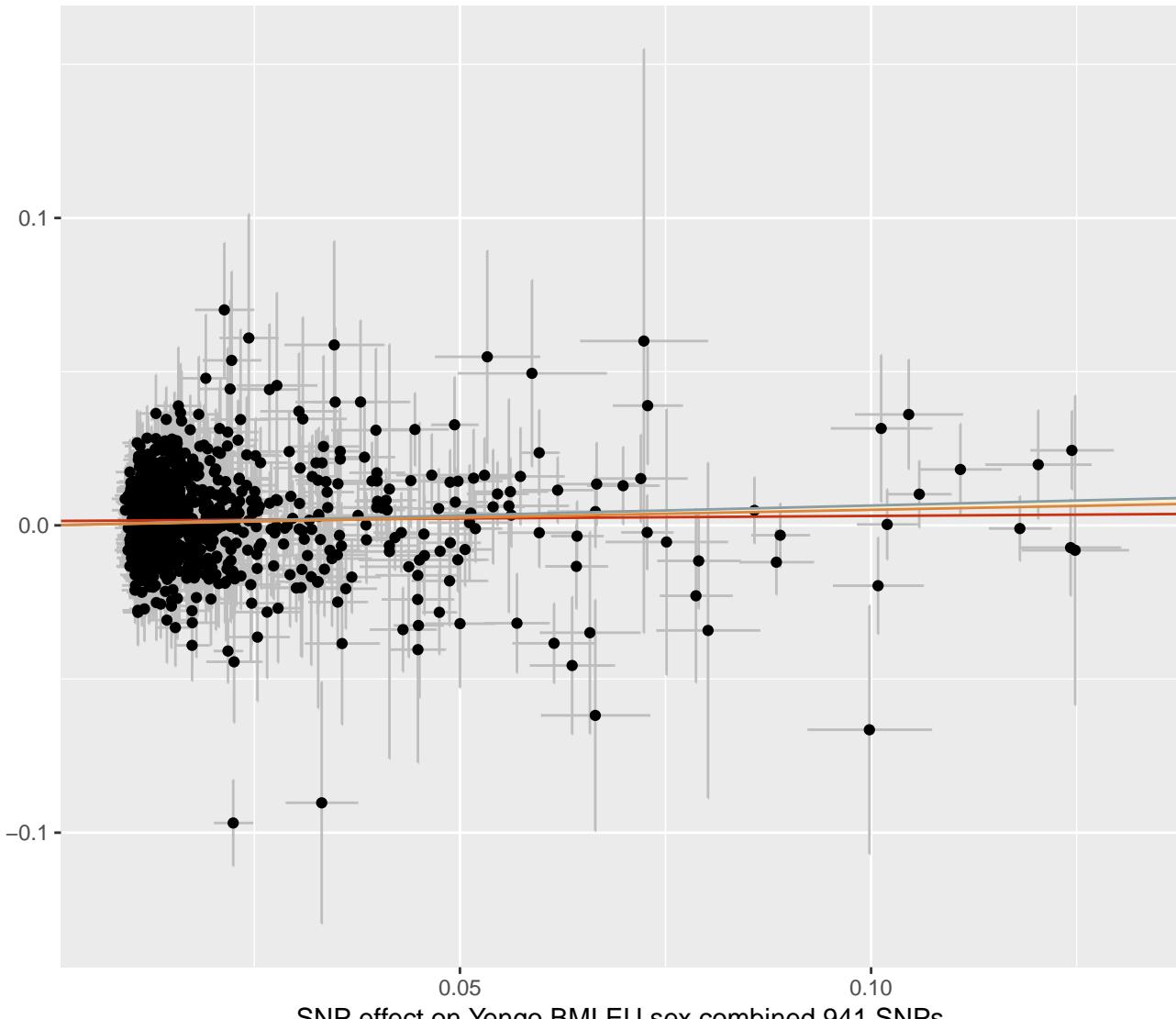


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



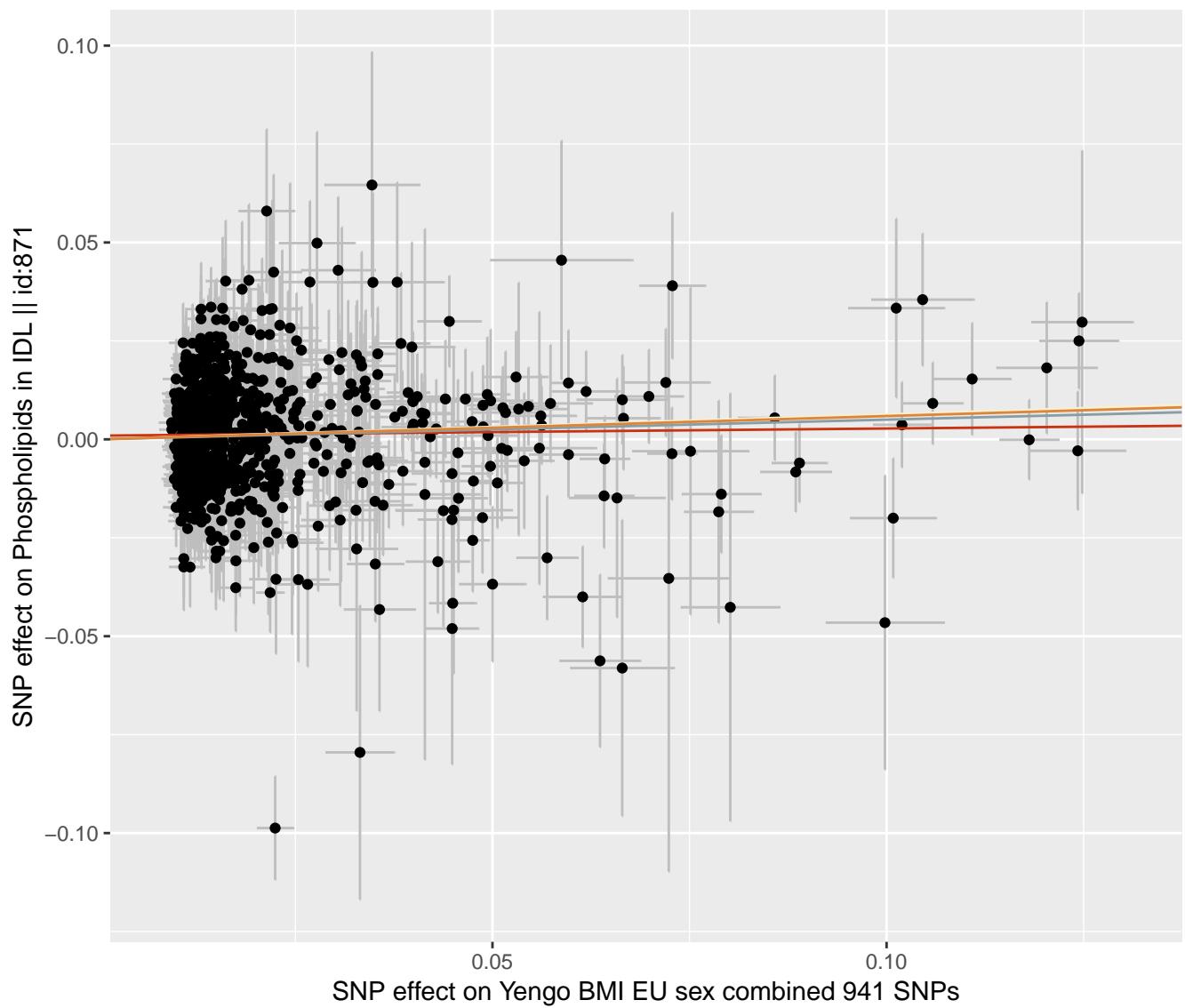
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



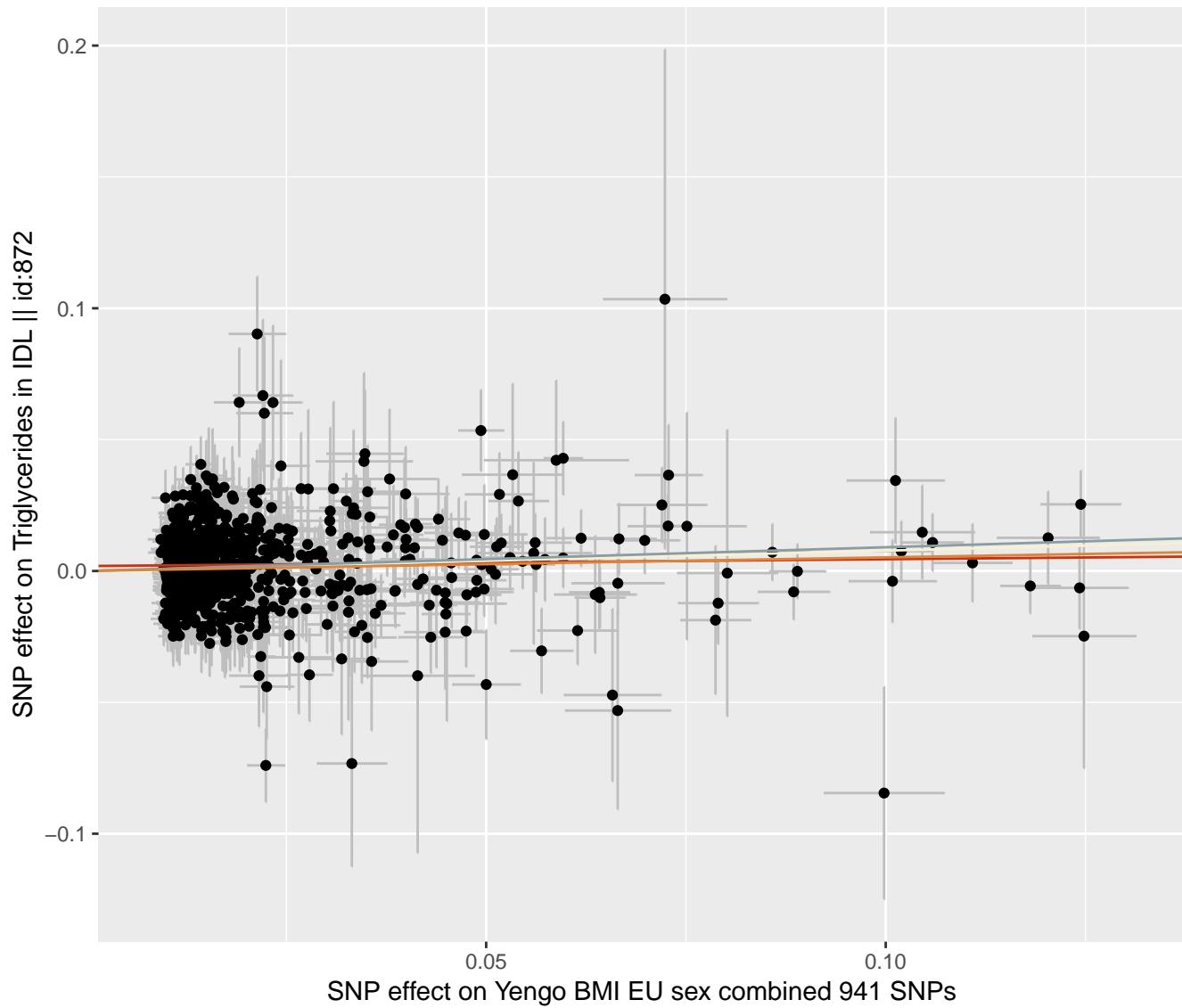
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



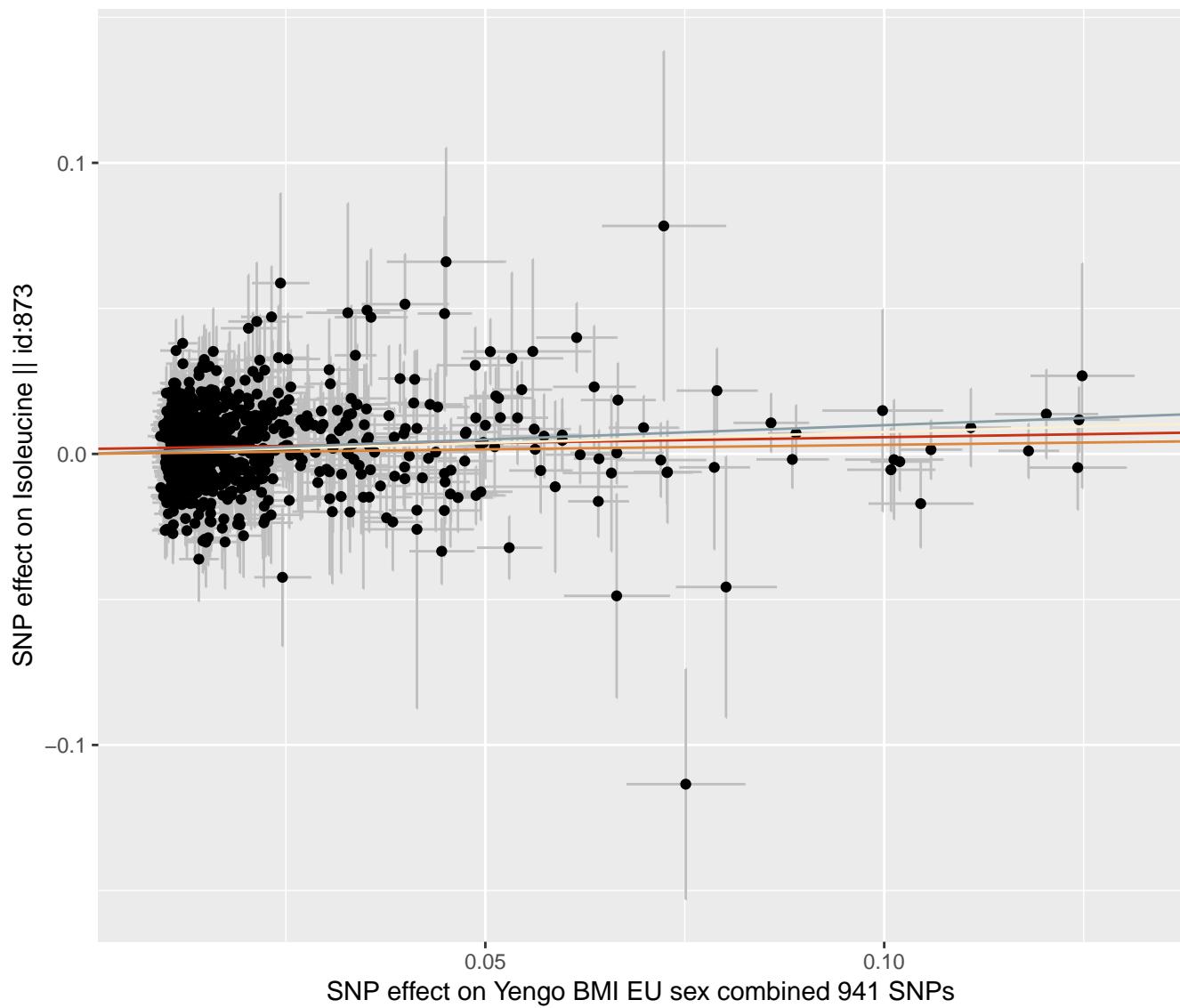
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

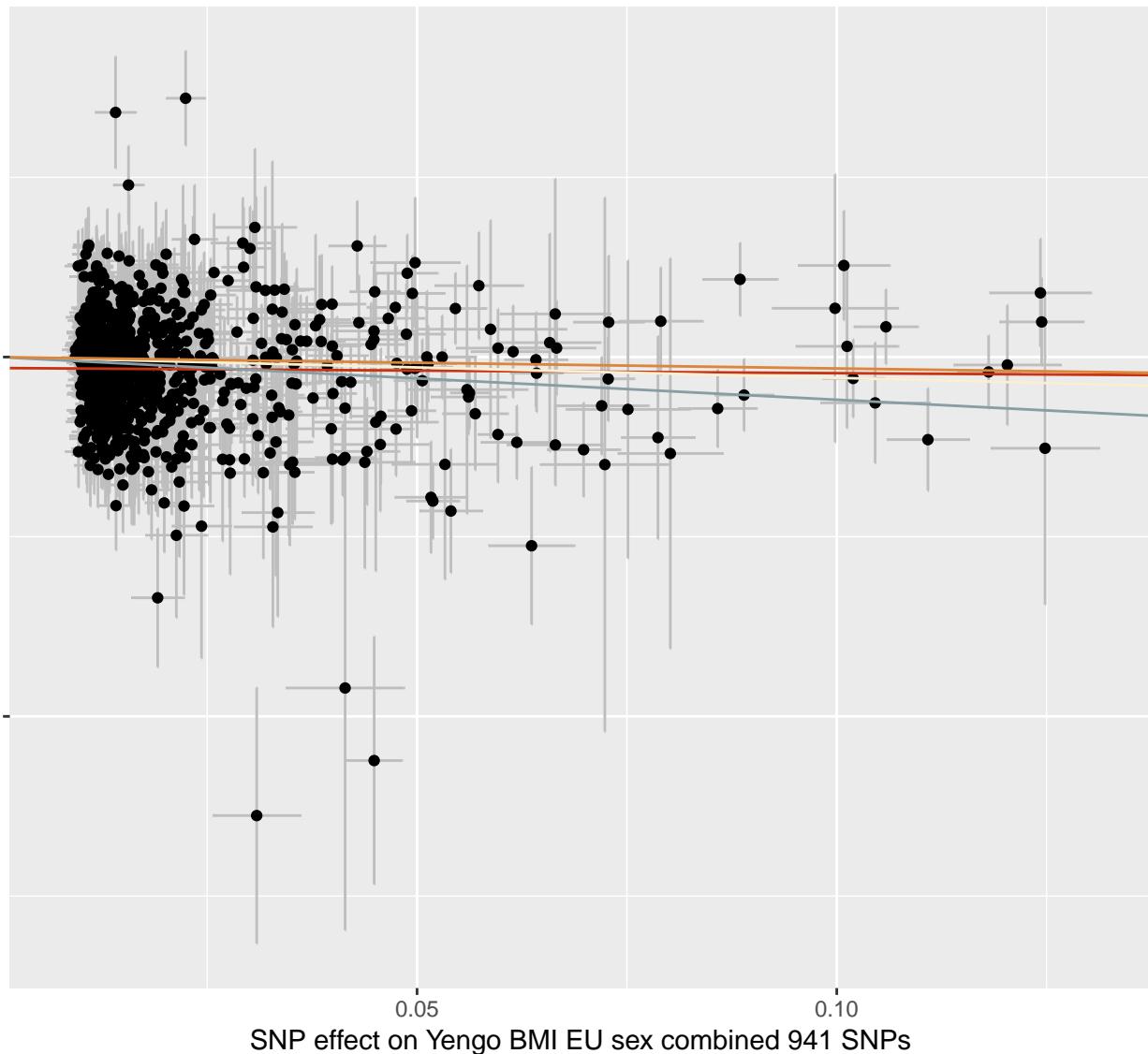


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

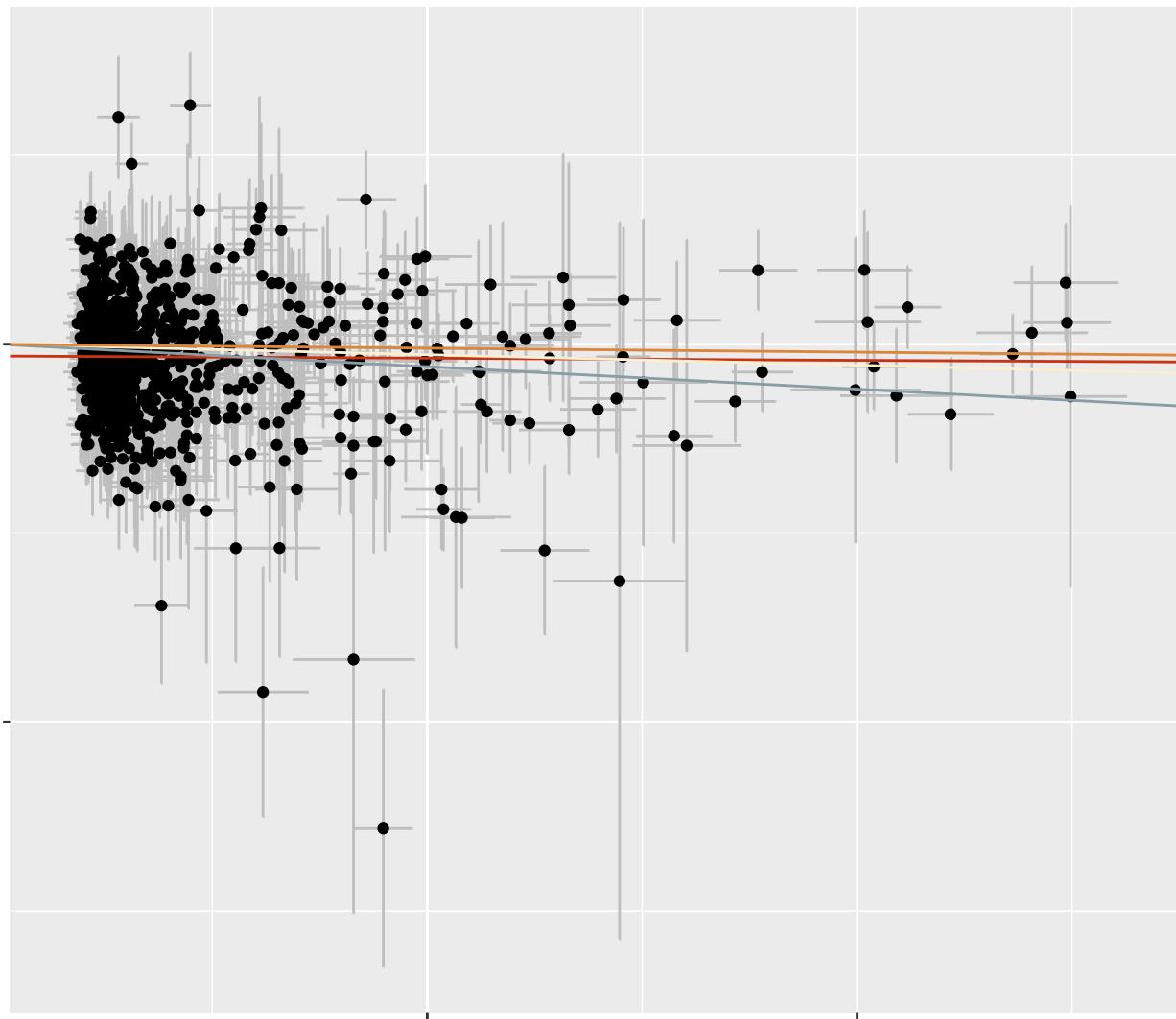


Weighted median



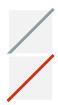
Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

### MR Test



Inverse variance weighted (multiplicative random effects)



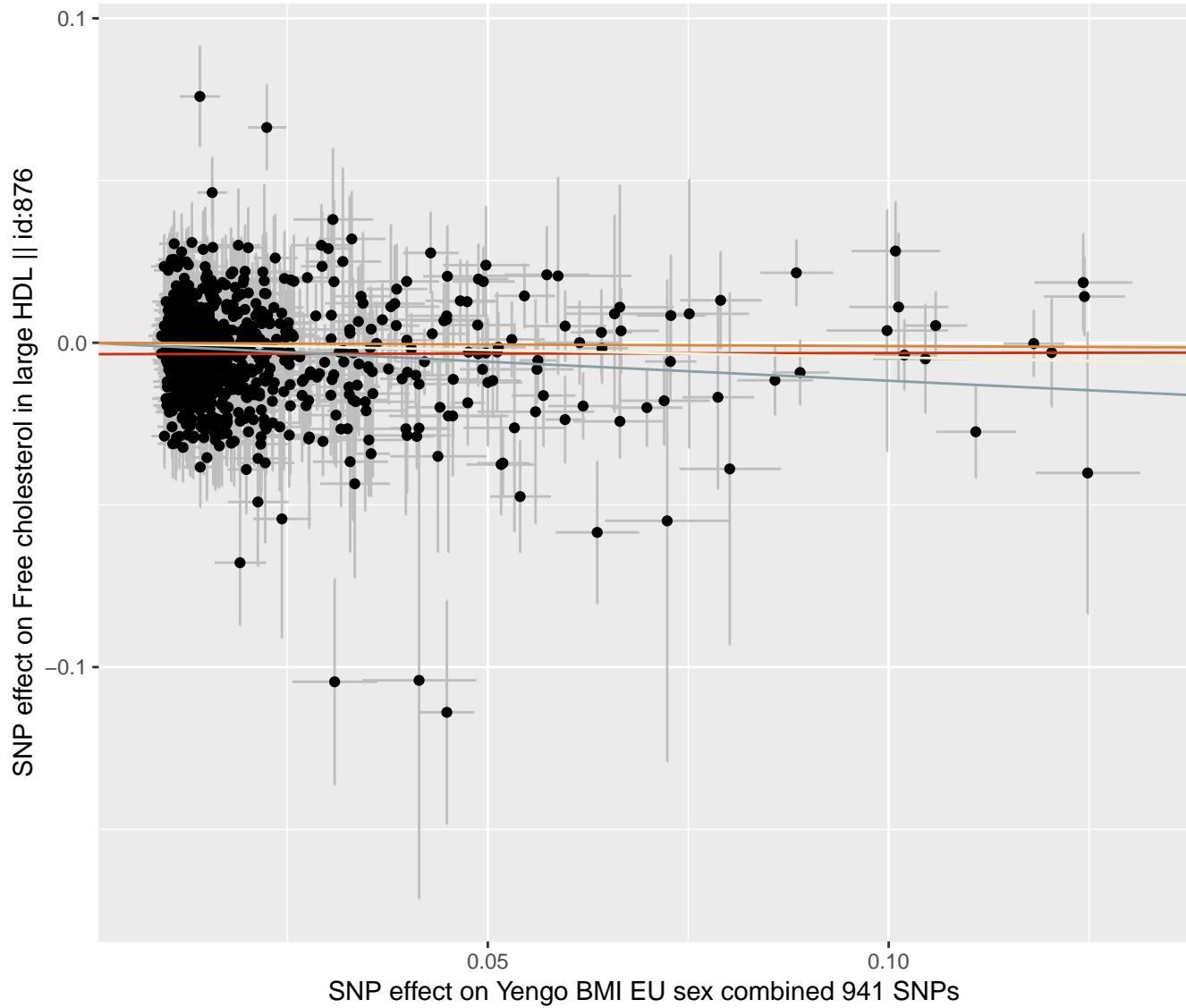
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

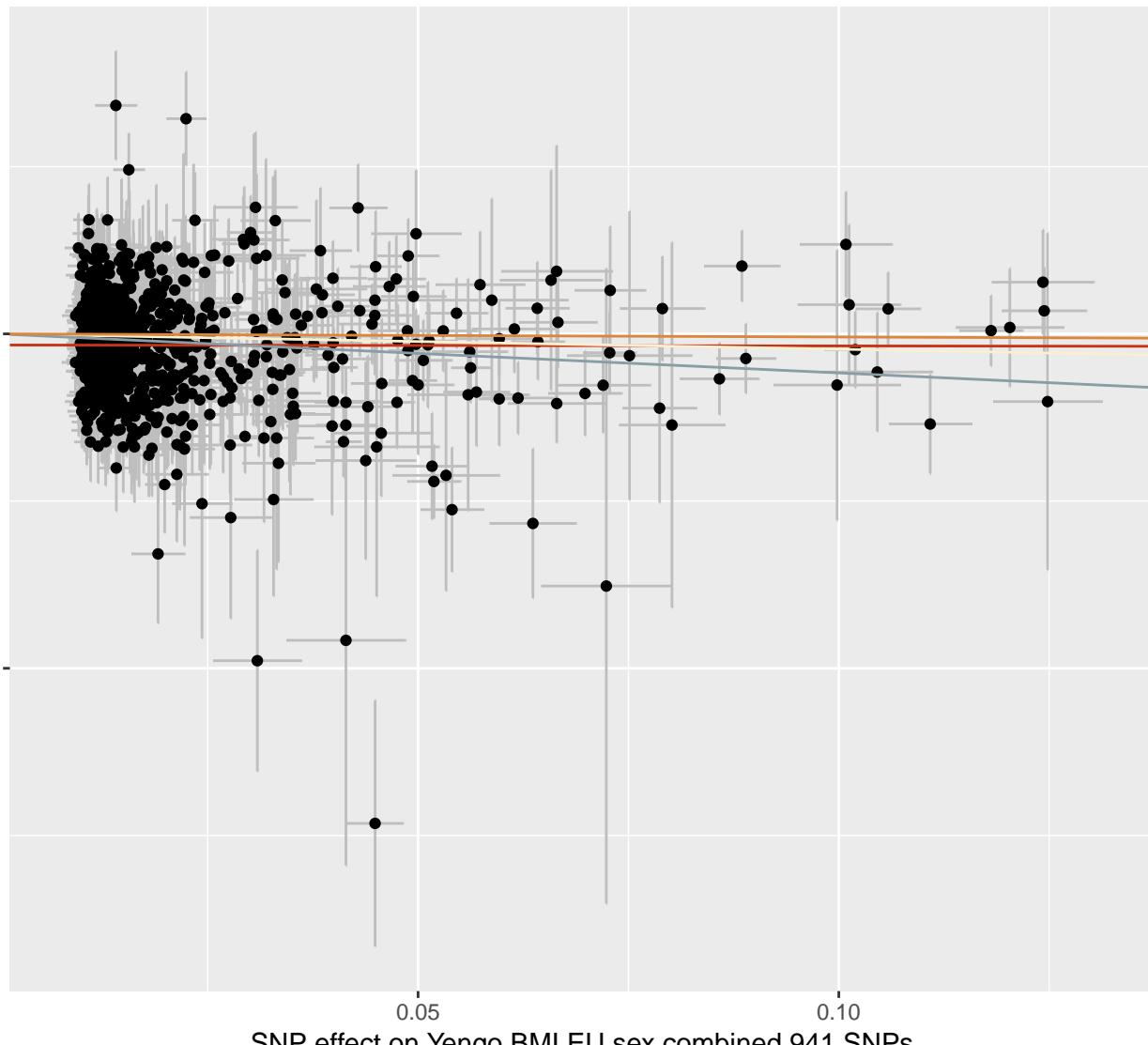


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

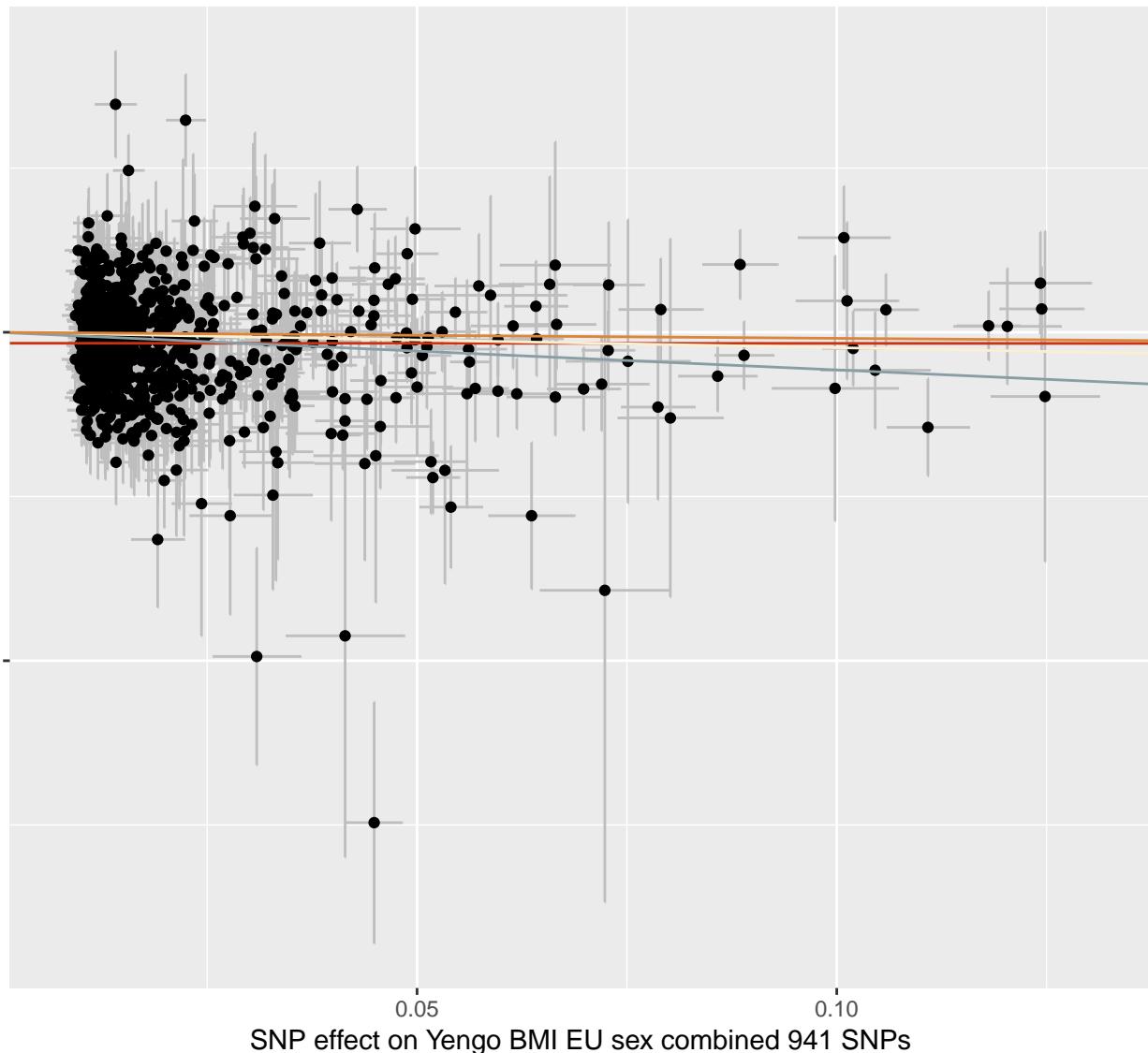


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



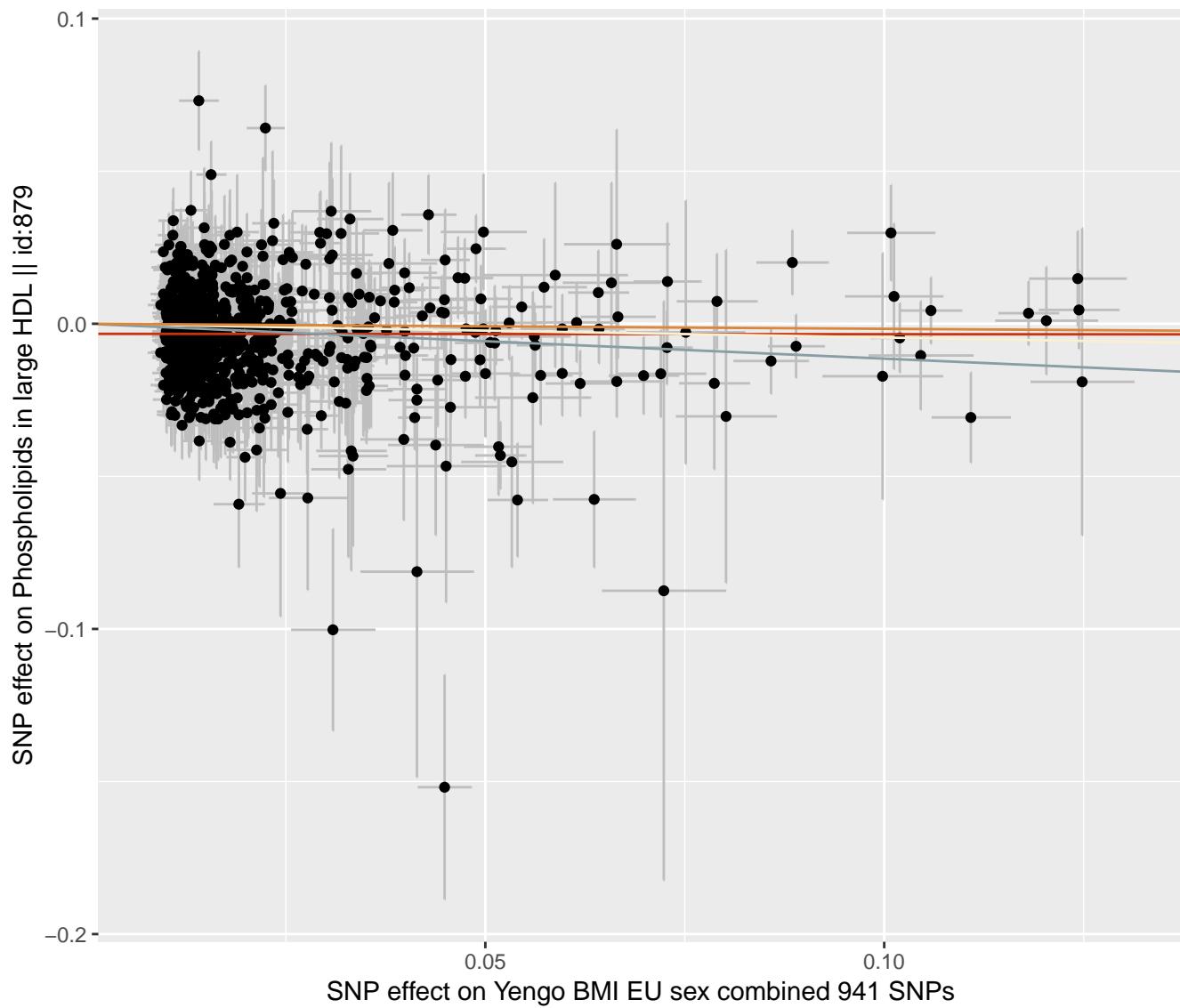
MR Egger



Weighted median



Weighted mode



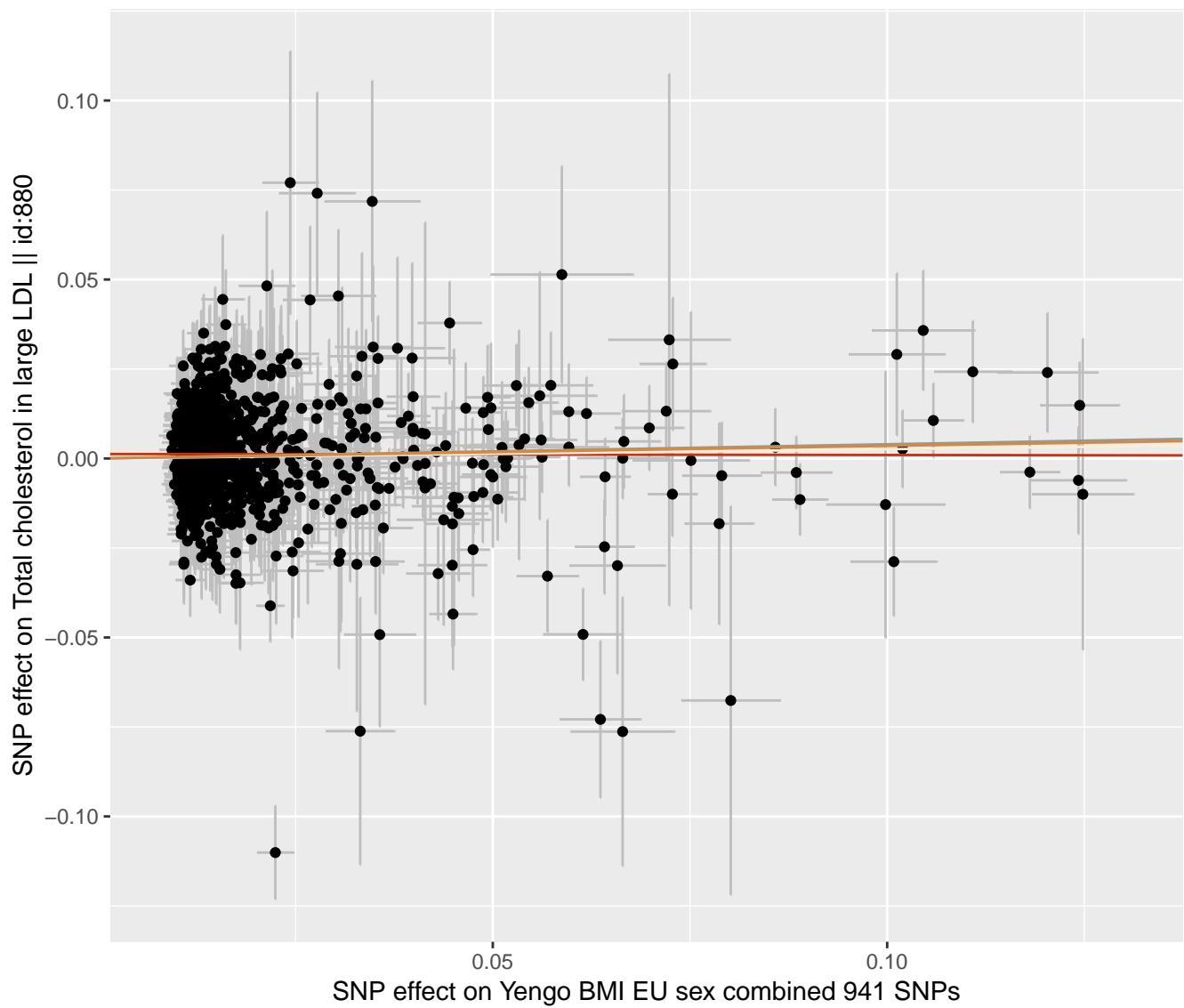
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



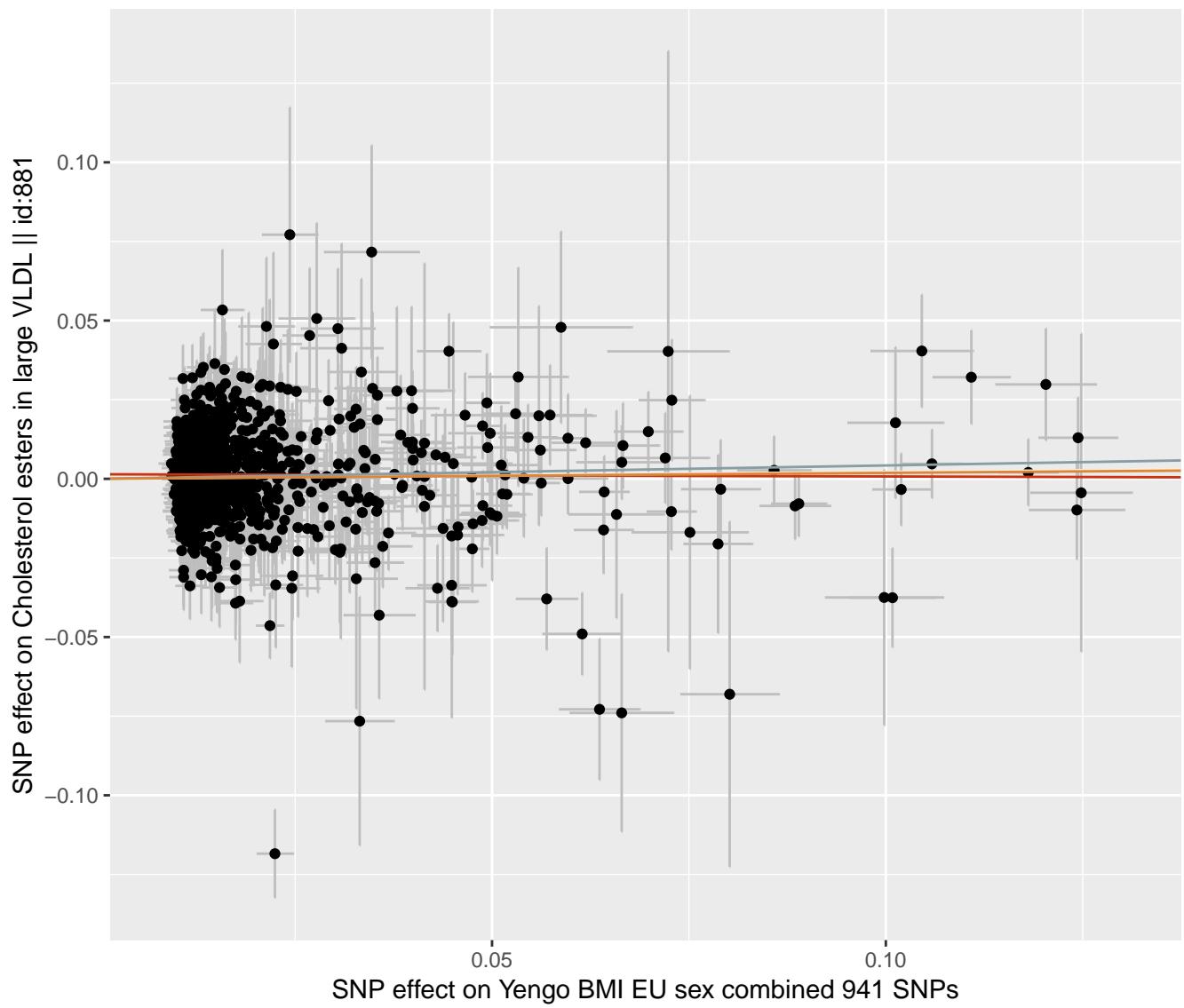
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

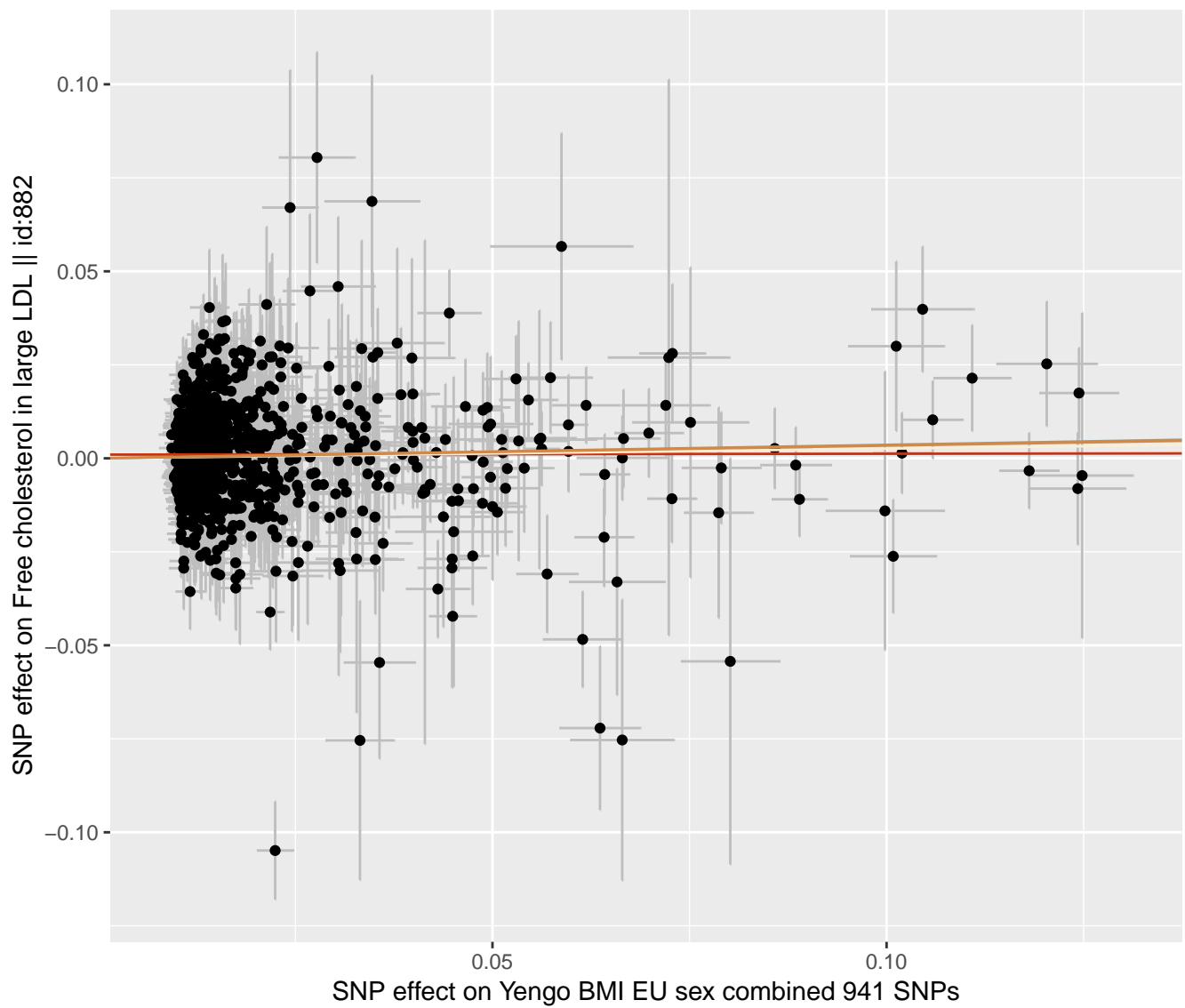
 Weighted mode



### MR Test

 Inverse variance weighted (multiplicative random effects)  
 MR Egger

 Weighted median  
 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



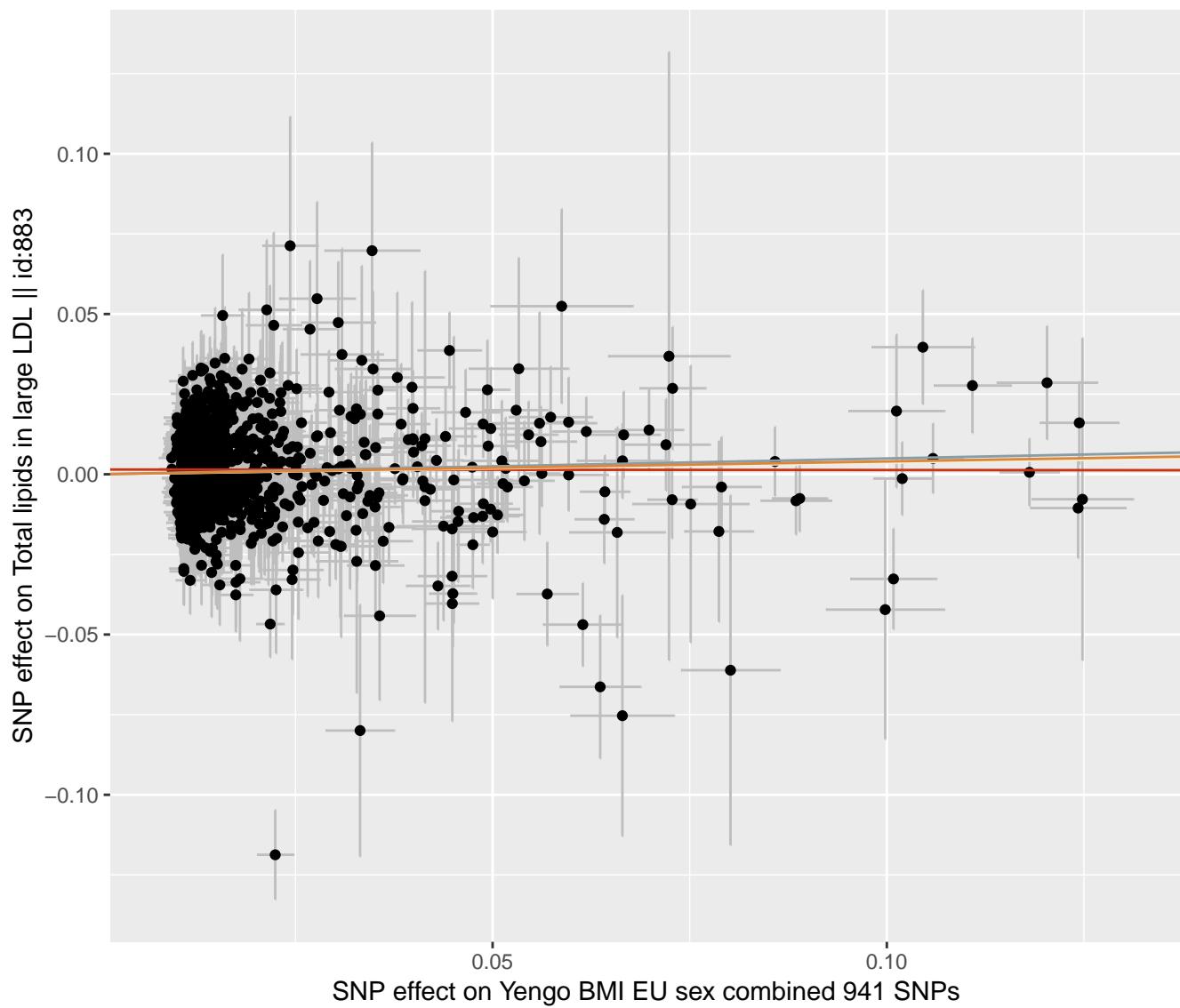
MR Egger



Weighted median



Weighted mode



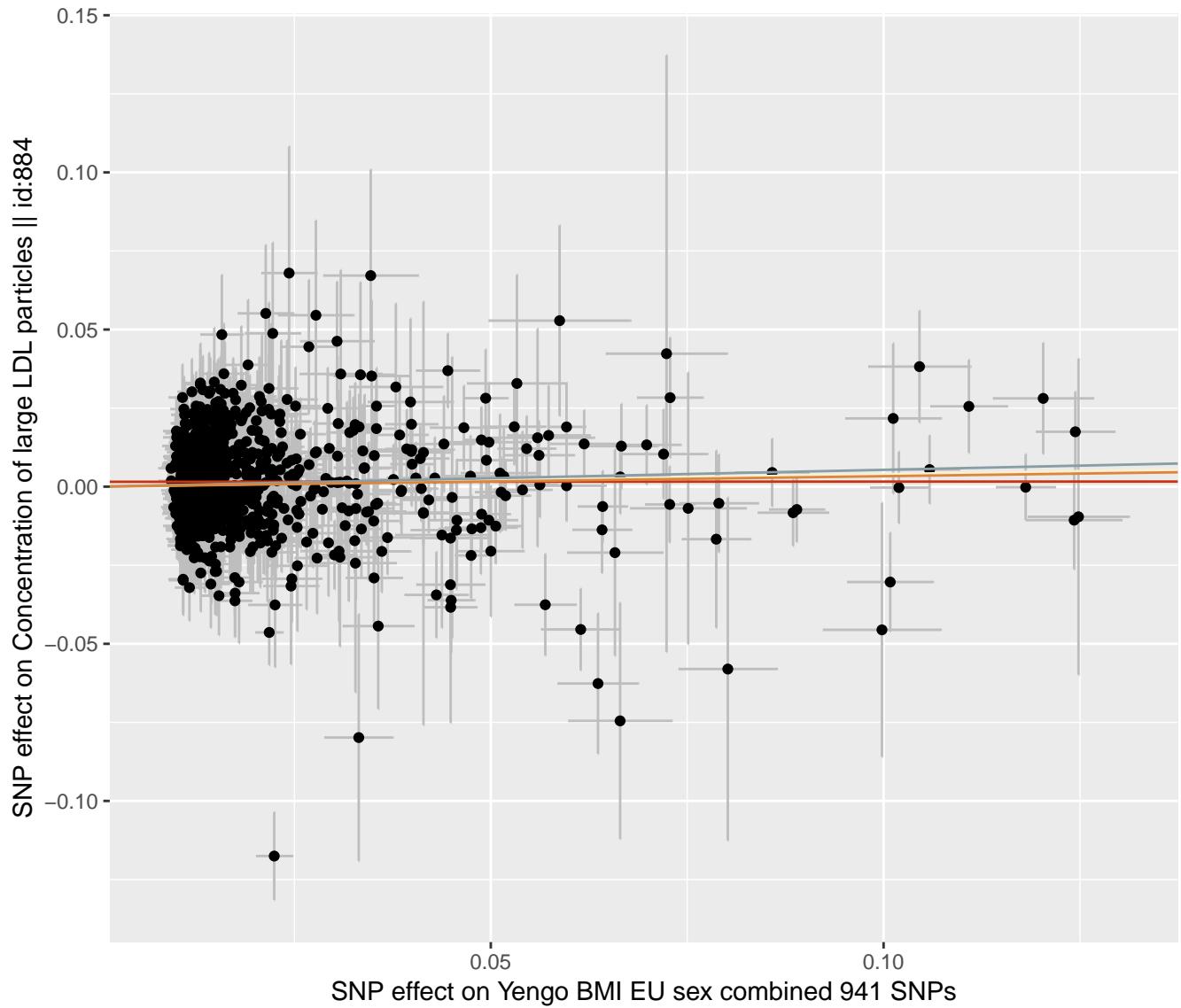
### MR Test

Inverse variance weighted (multiplicative random effects)

MR Egger

Weighted median

Weighted mode



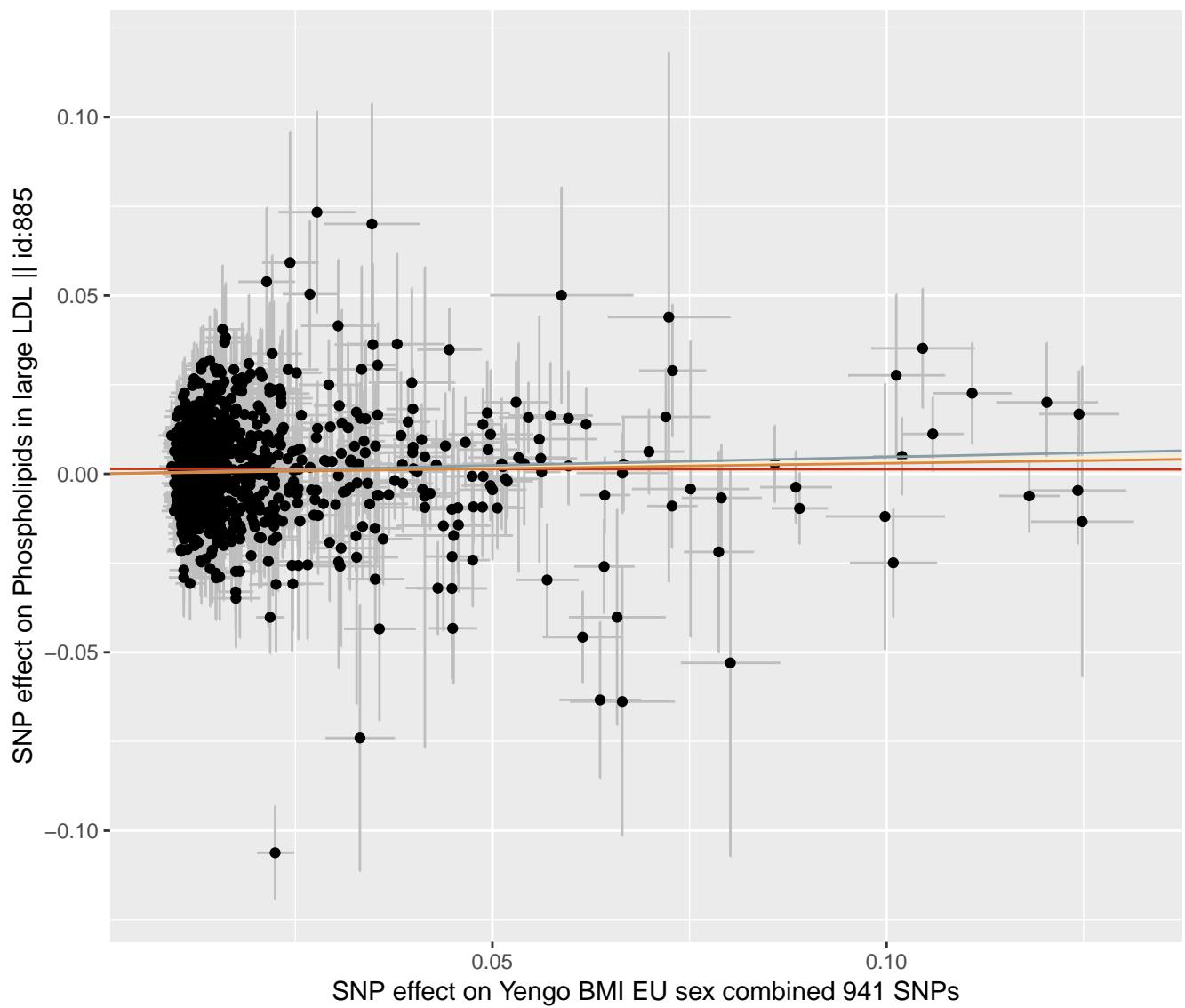
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



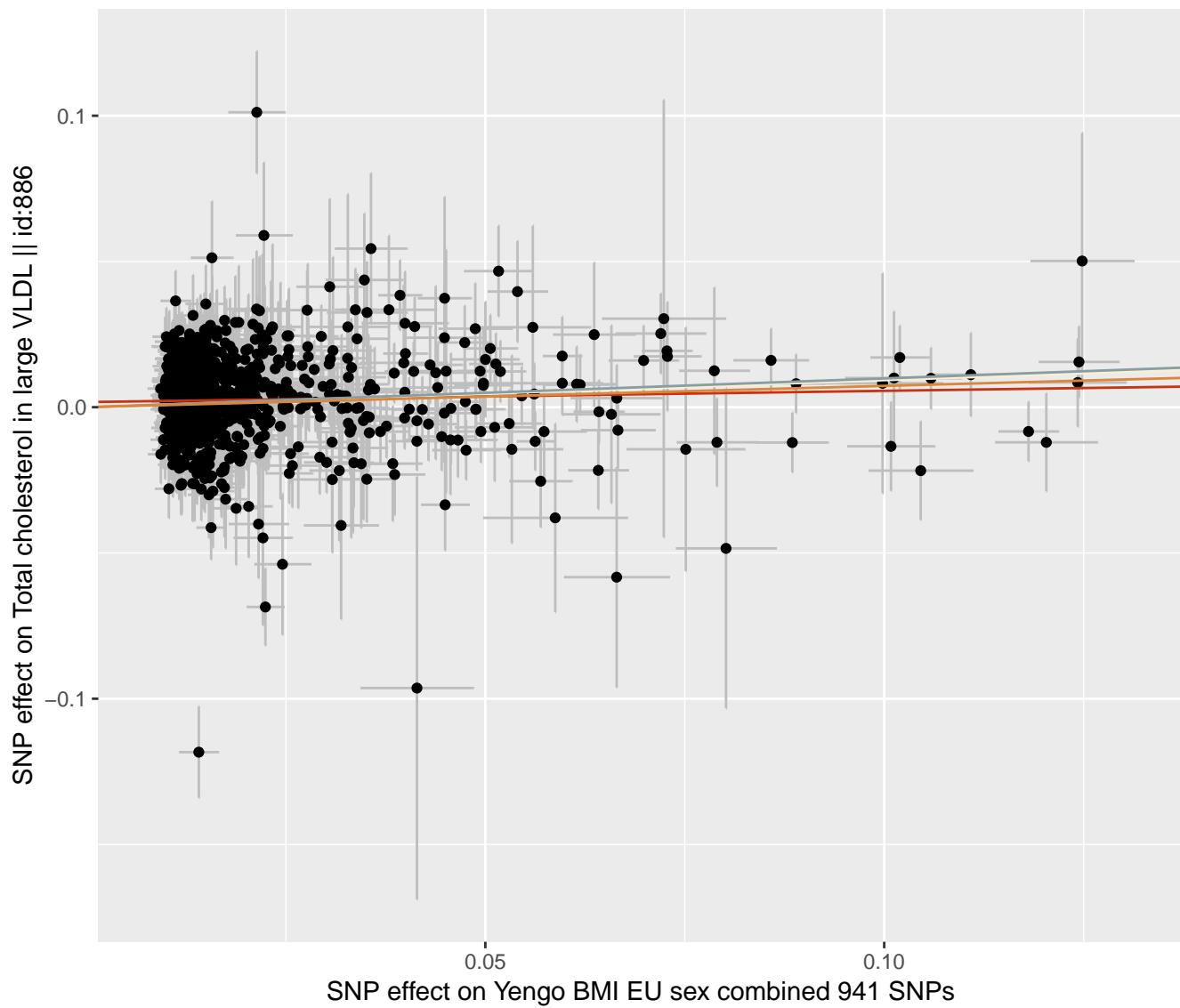
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

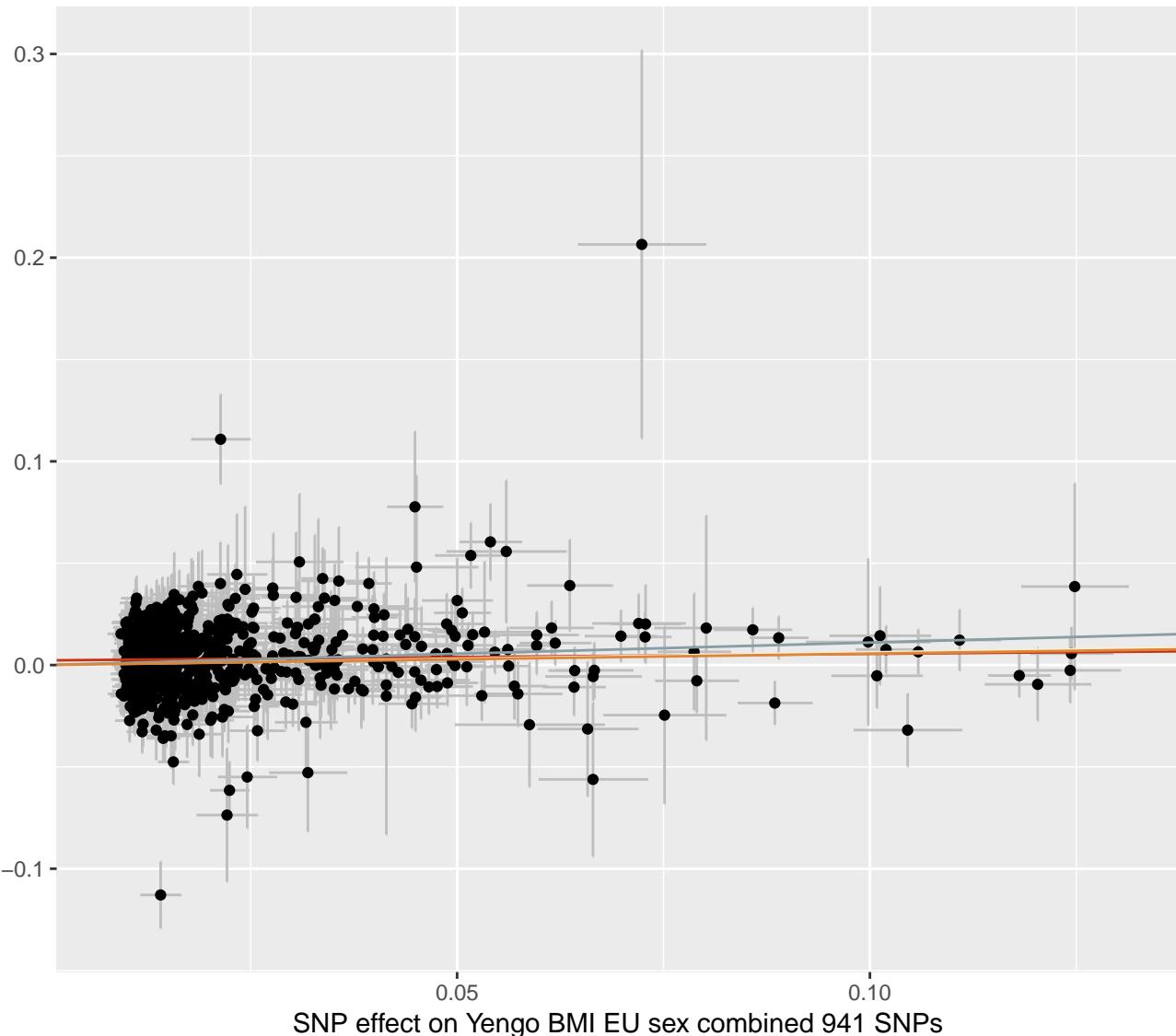


Weighted median



Weighted mode

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



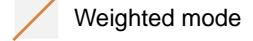
SNP effect on Yengo BMI EU sex combined 941 SNPs

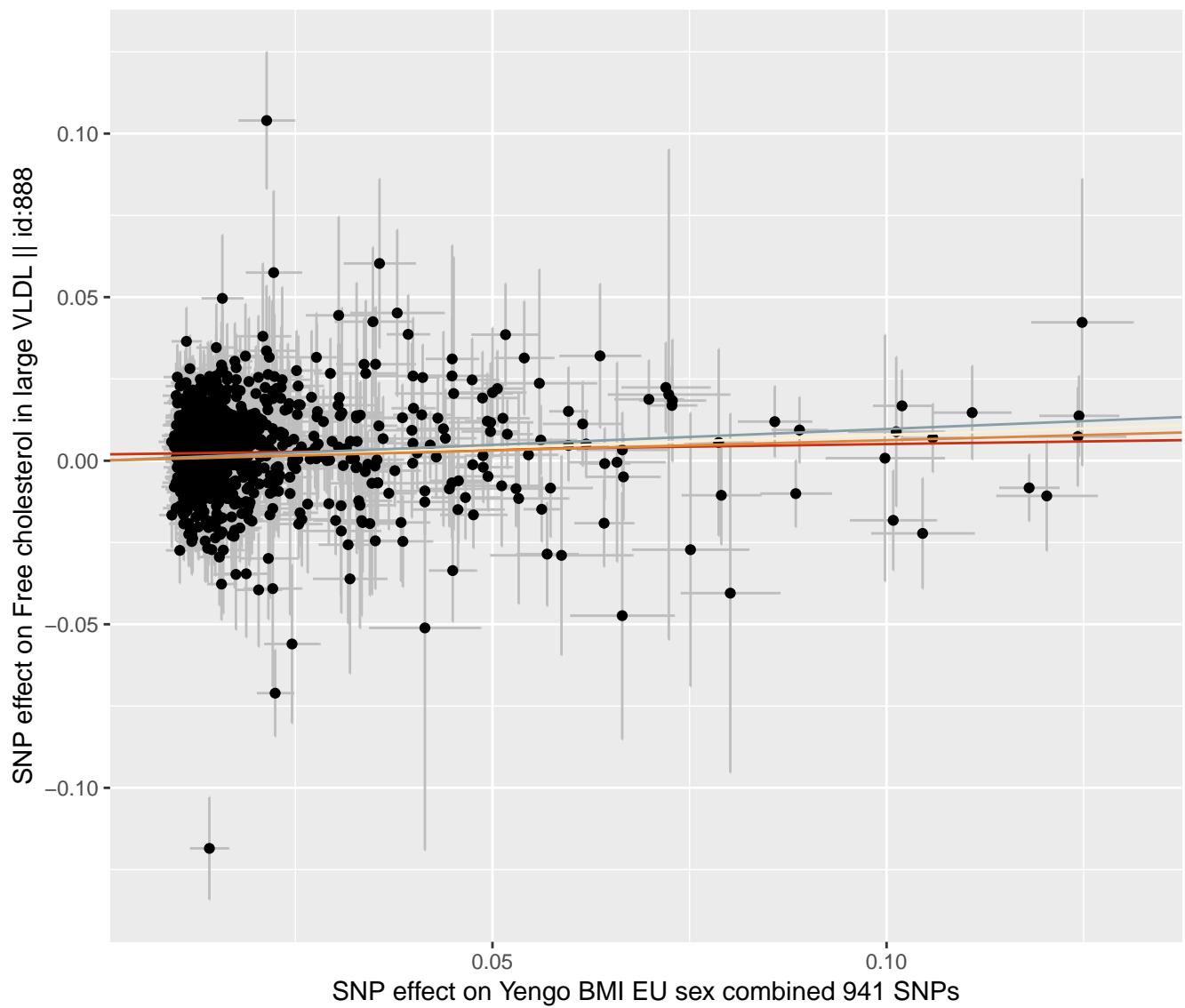
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



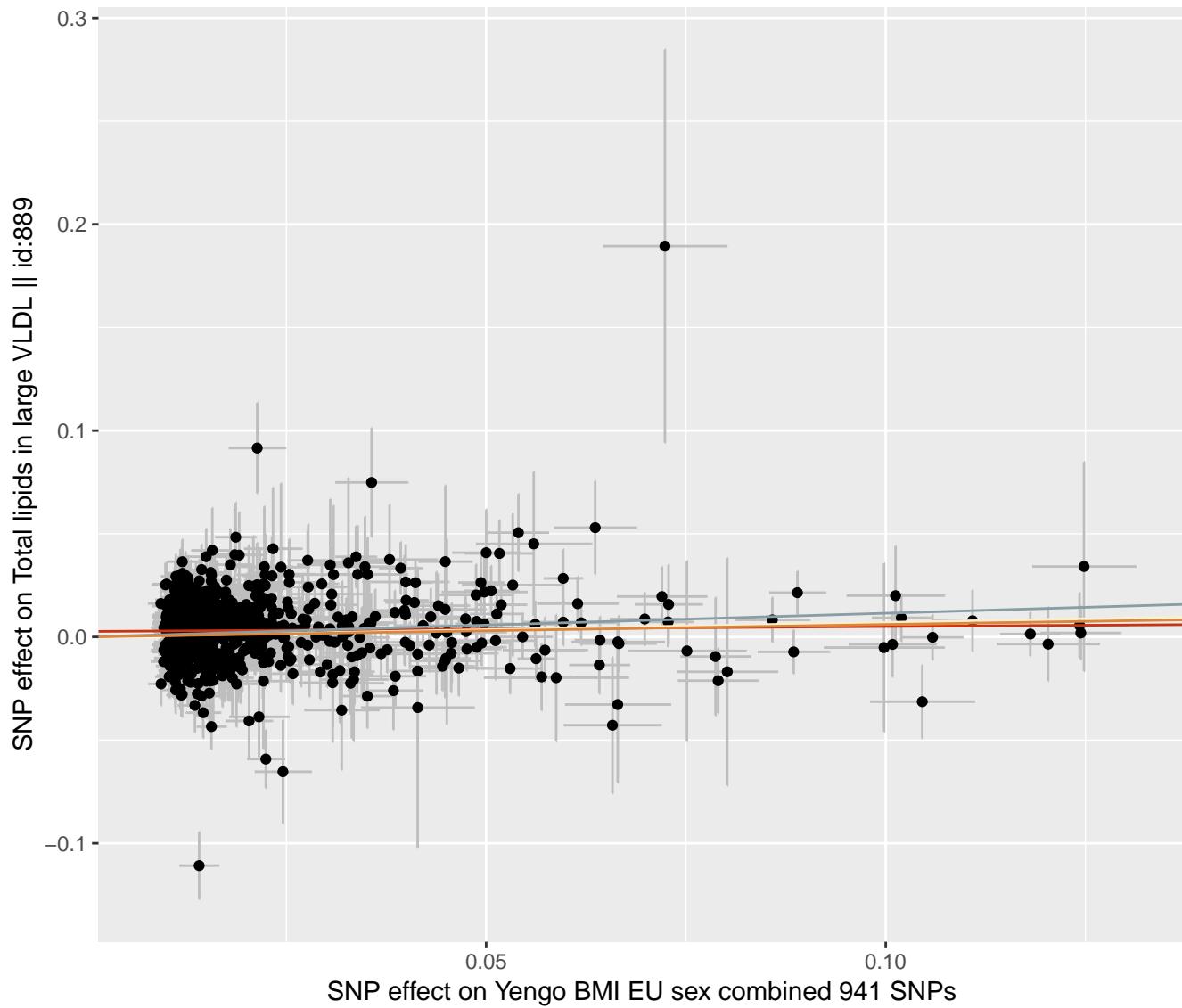
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



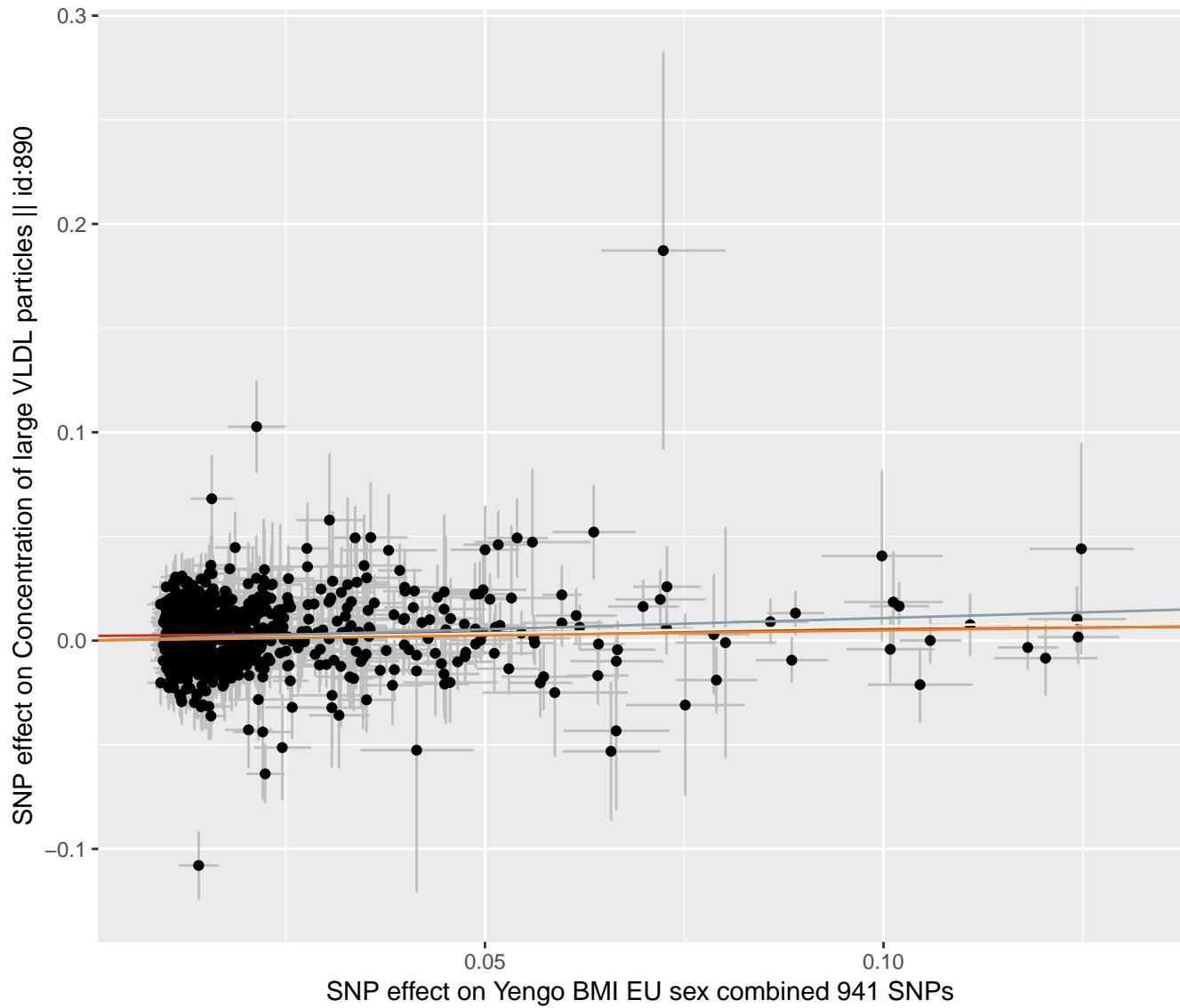
MR Egger



Weighted median



Weighted mode



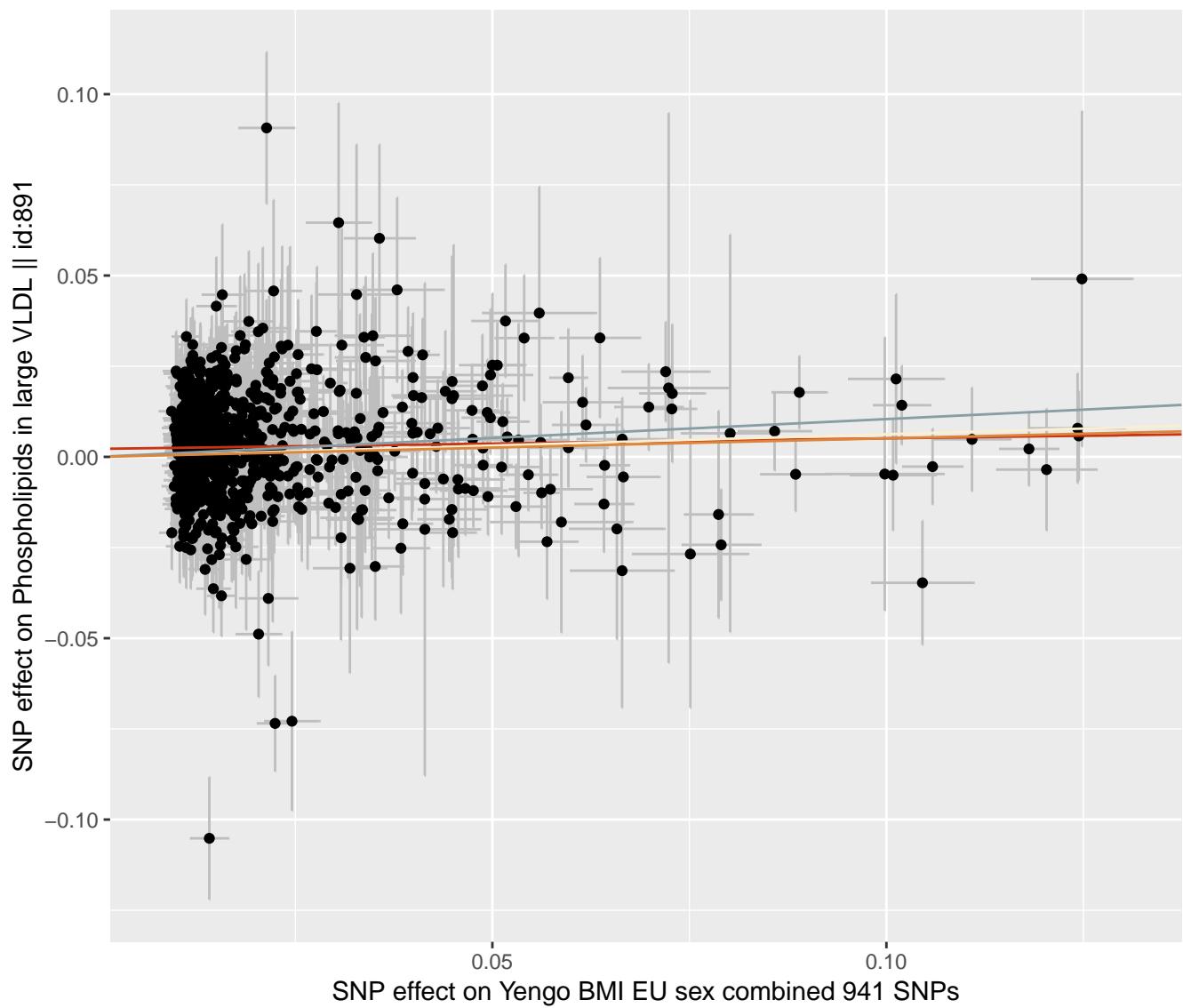
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



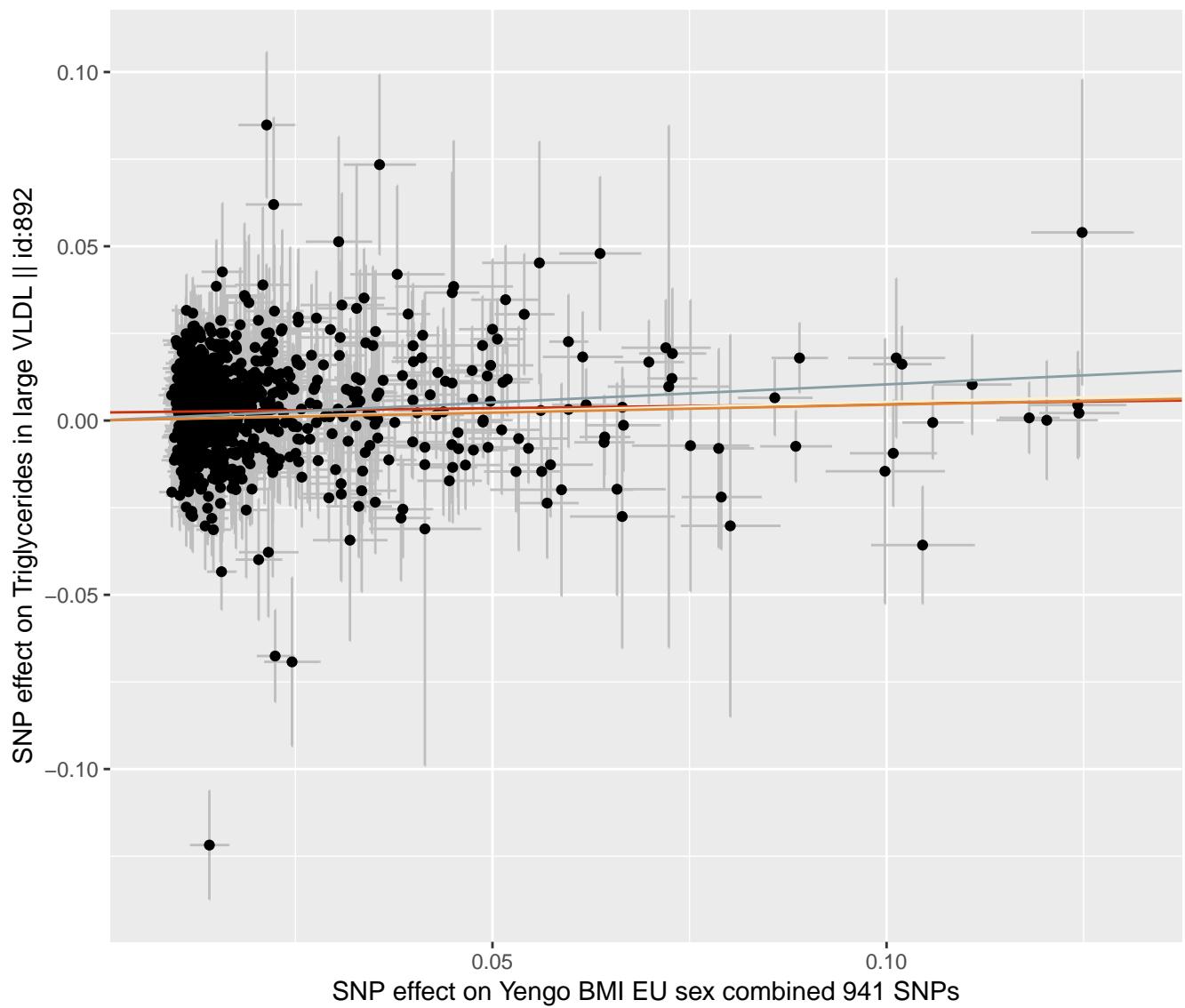
### MR Test

 Inverse variance weighted (multiplicative random effects)

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Inverse variance weighted (multiplicative random effects)



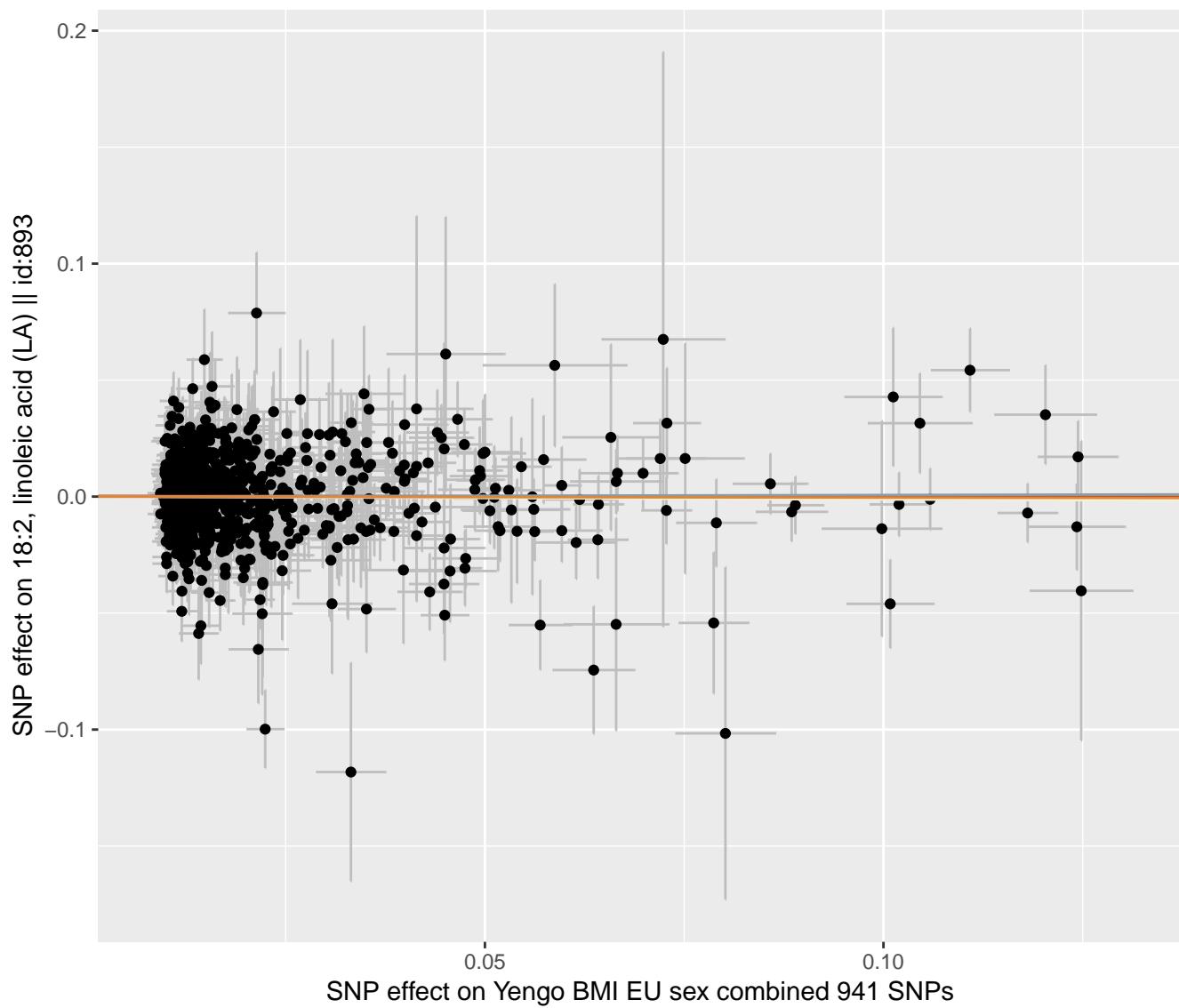
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



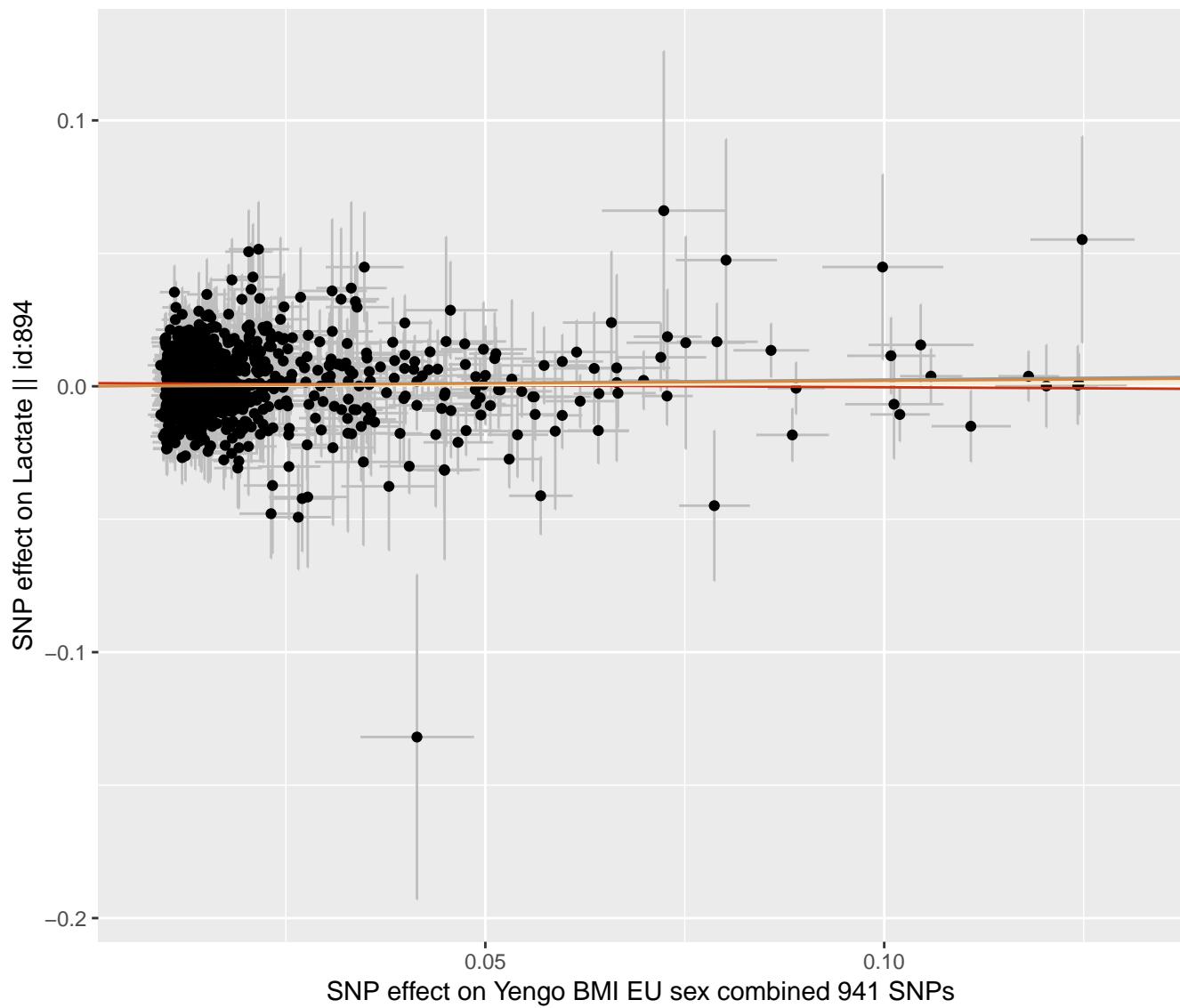
MR Egger



Weighted median

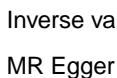


Weighted mode



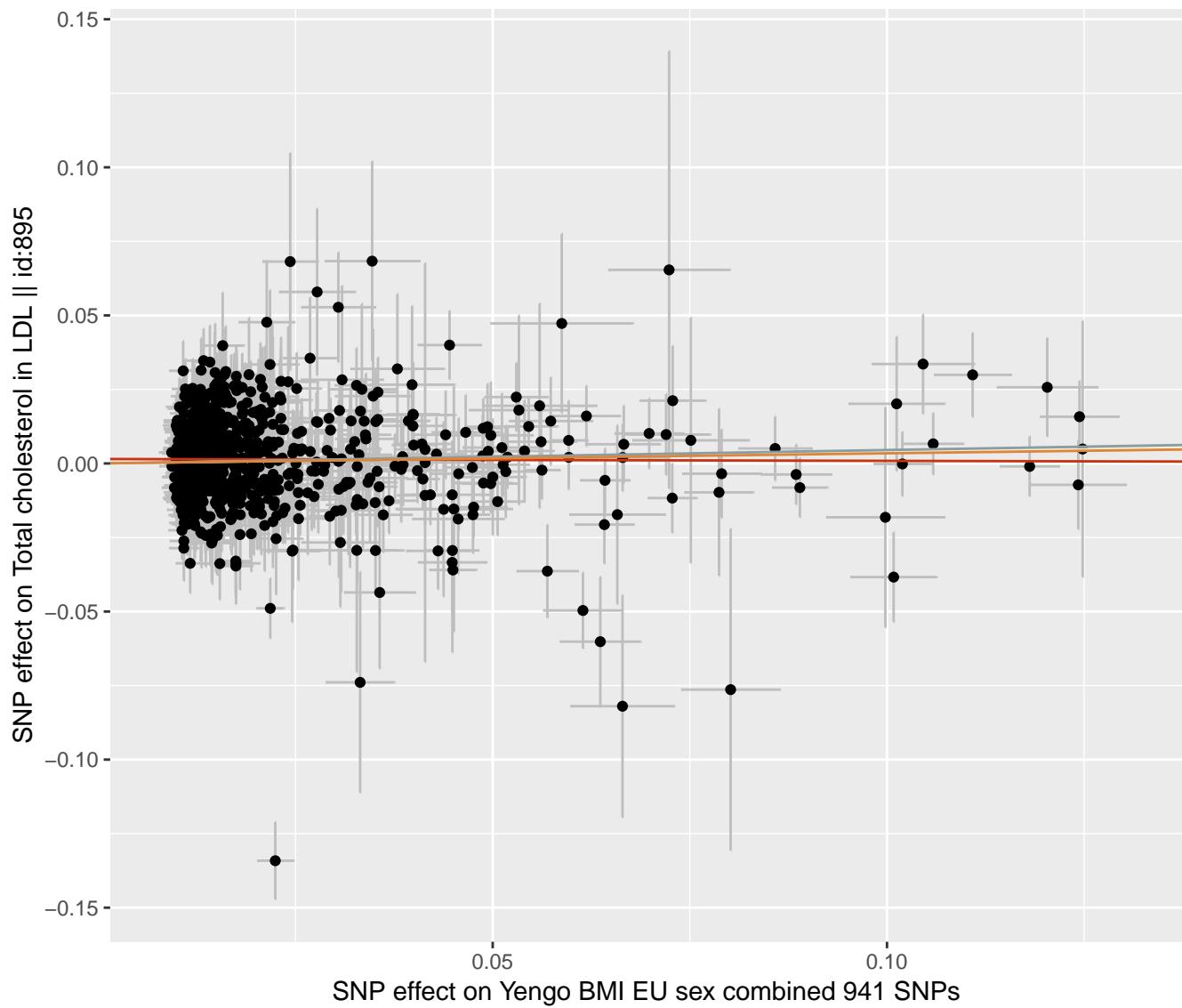
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

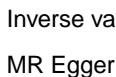
 Weighted median

 Weighted mode

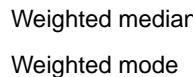


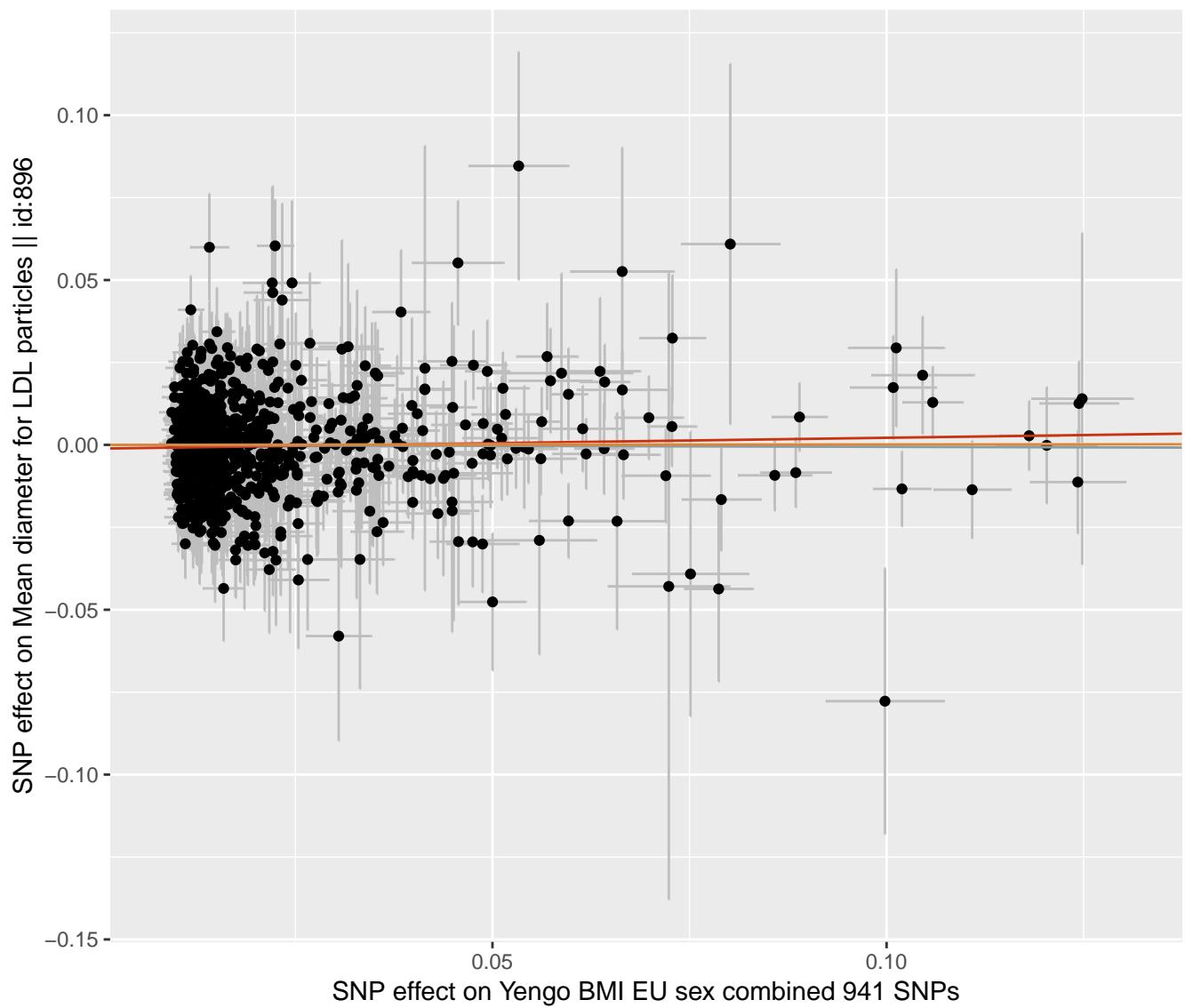
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

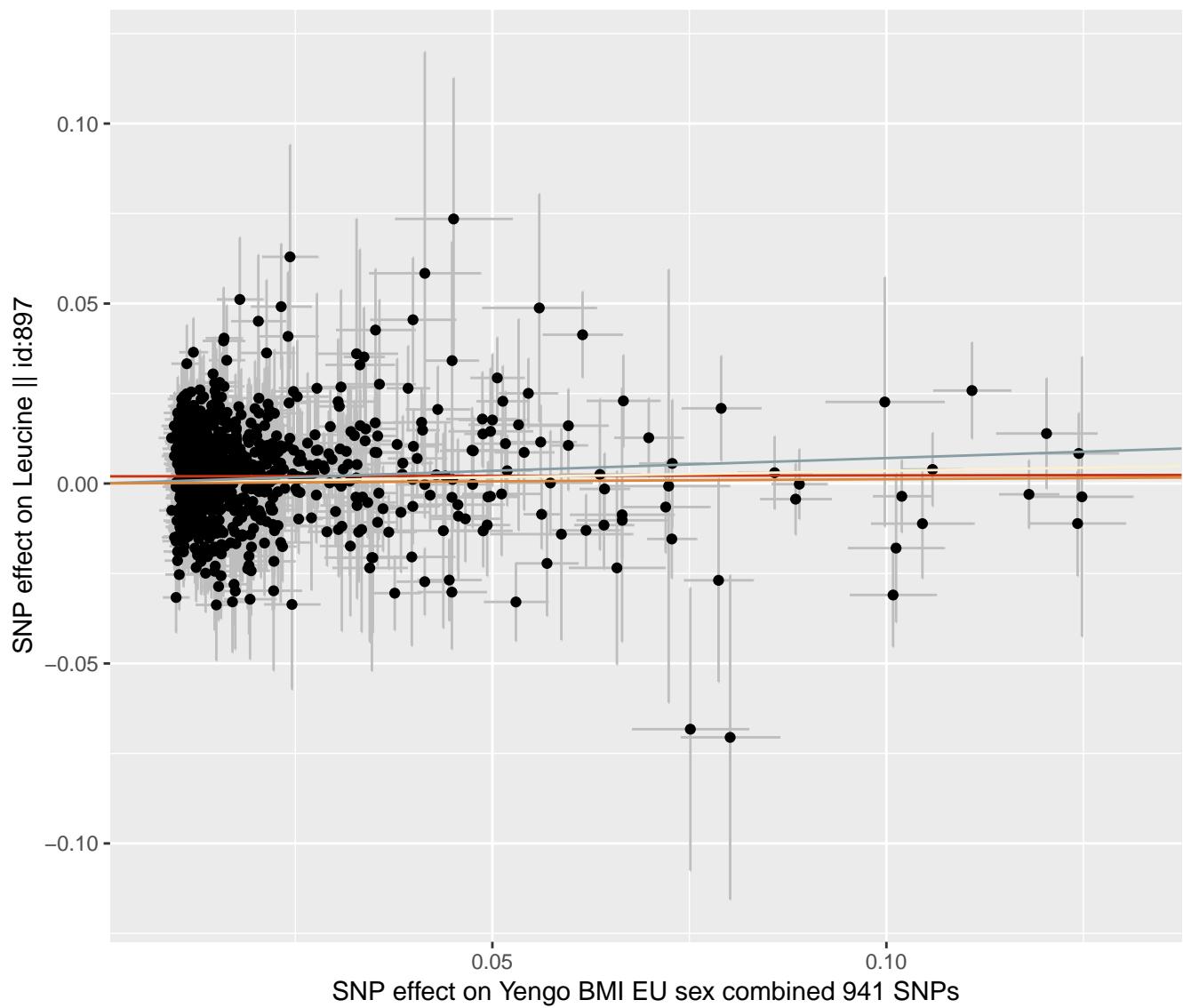
 Weighted mode



### MR Test

Inverse variance weighted (multiplicative random effects)  
MR Egger

Weighted median  
Weighted mode



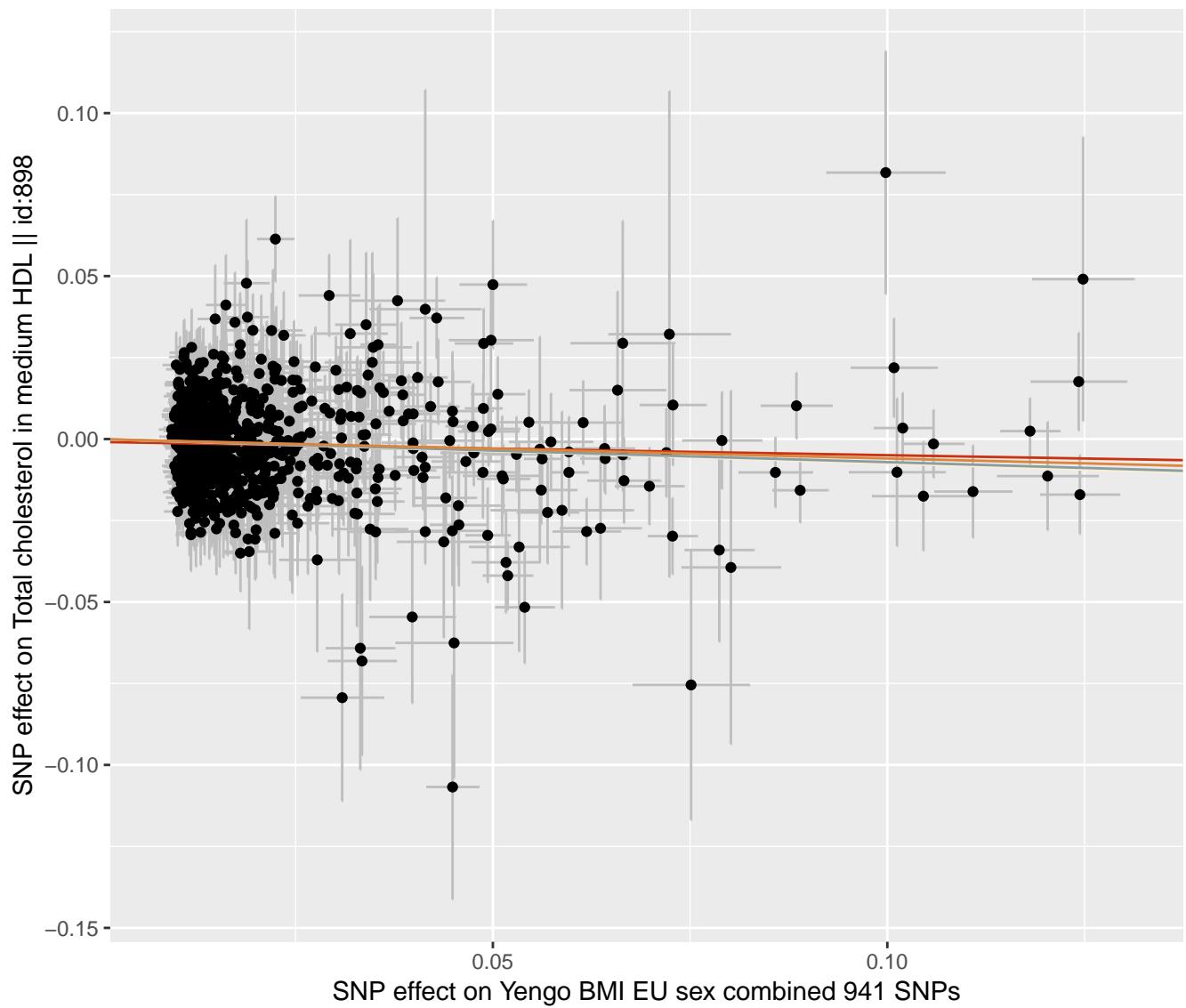
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



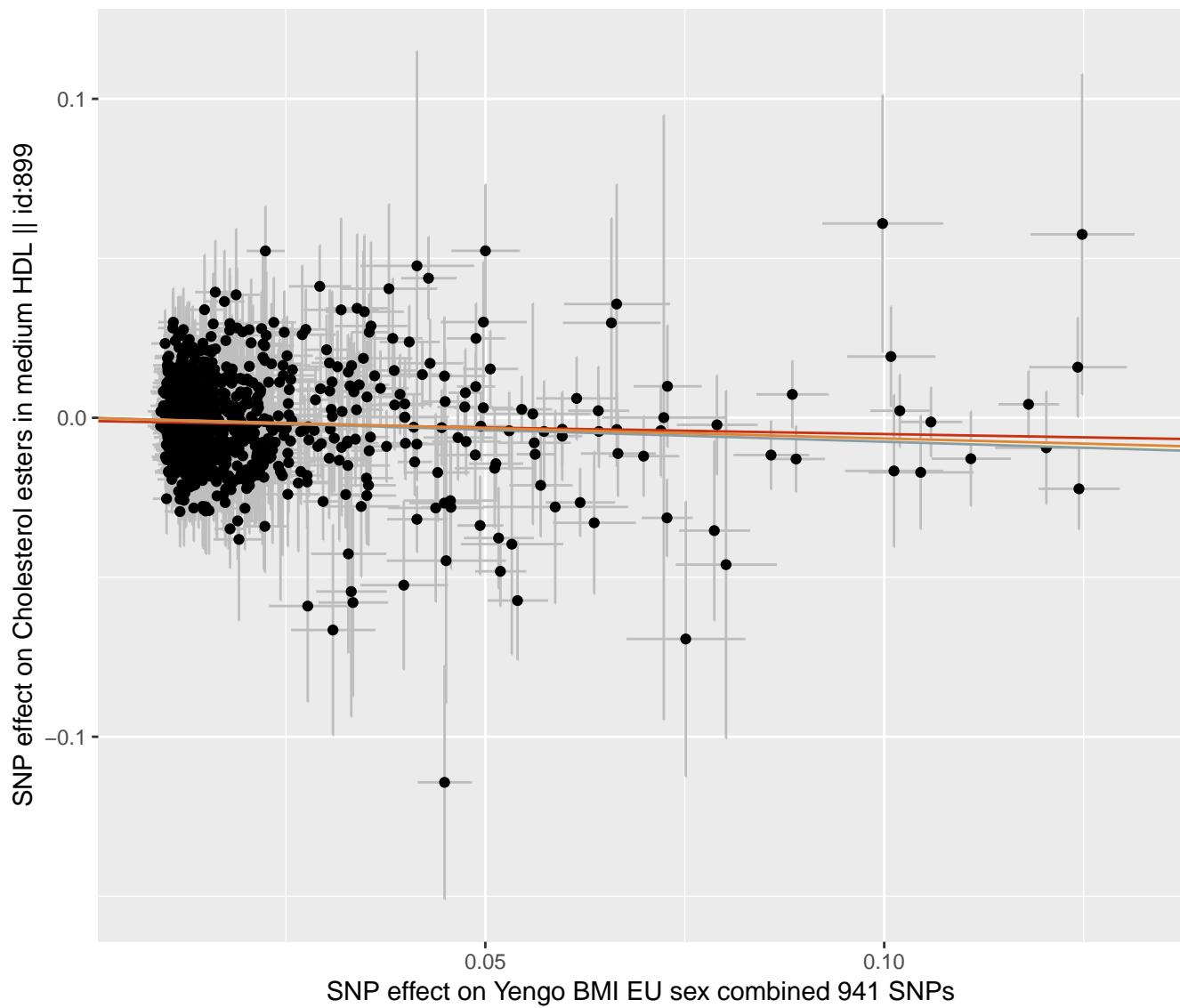
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



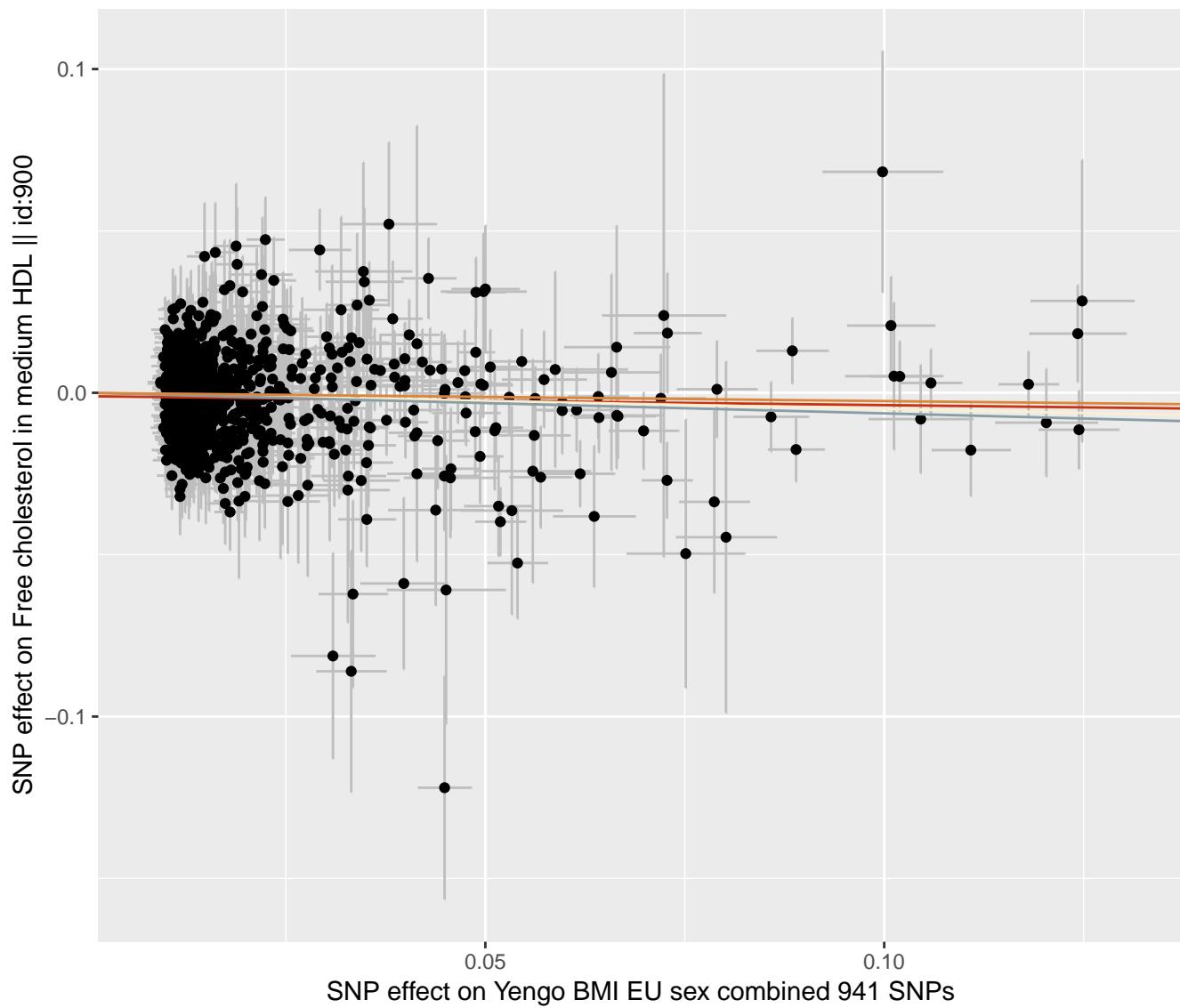
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



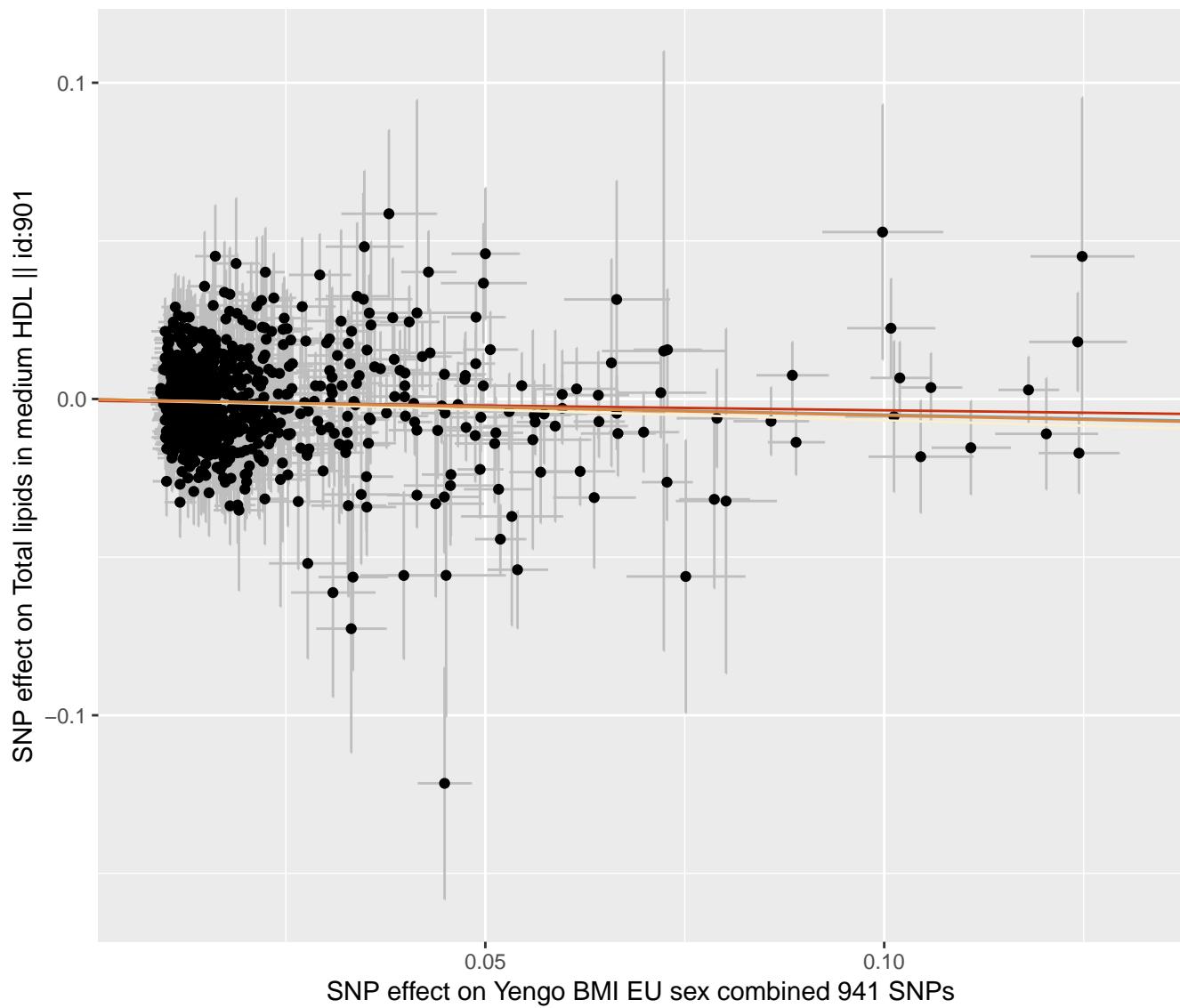
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

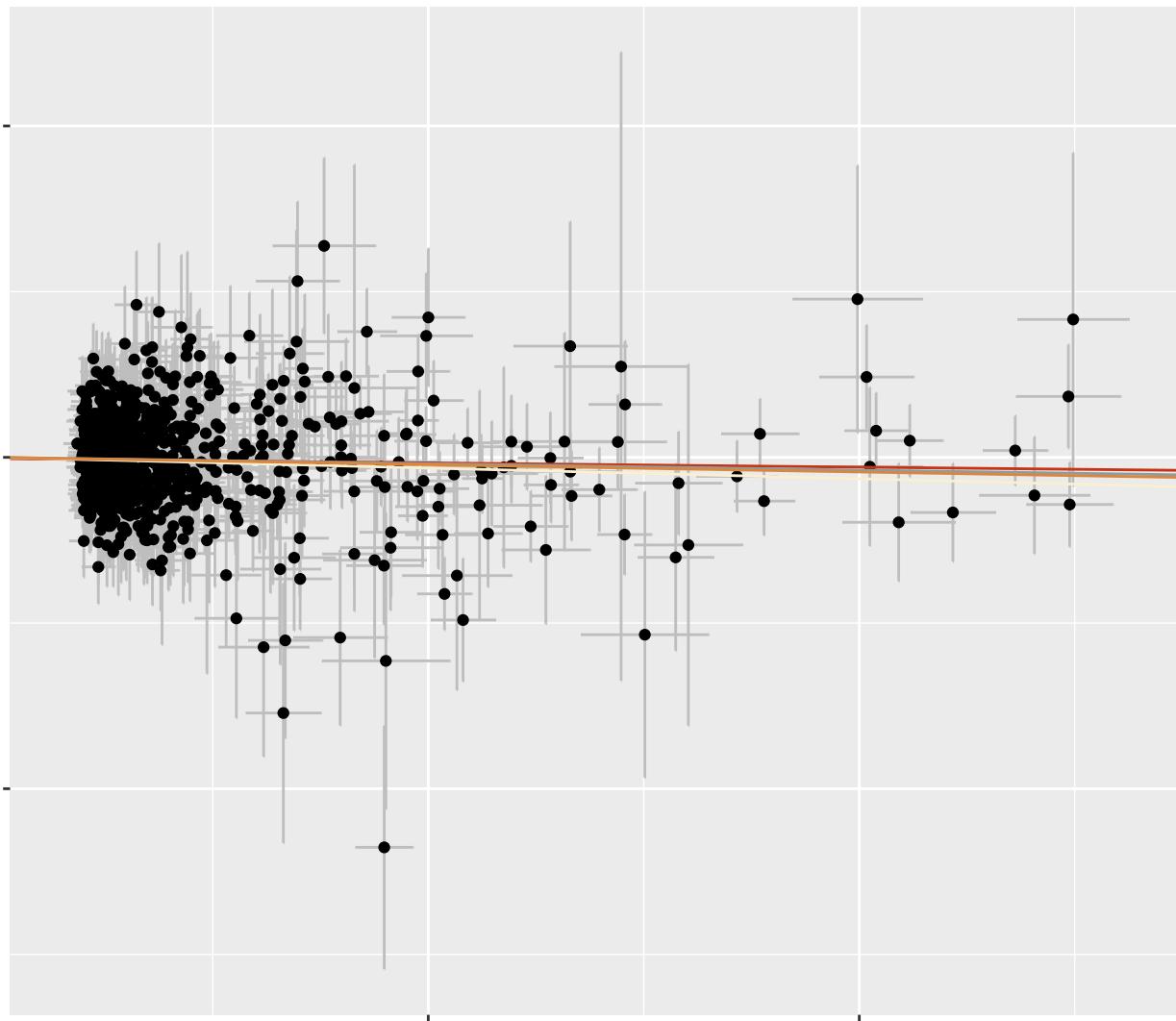


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

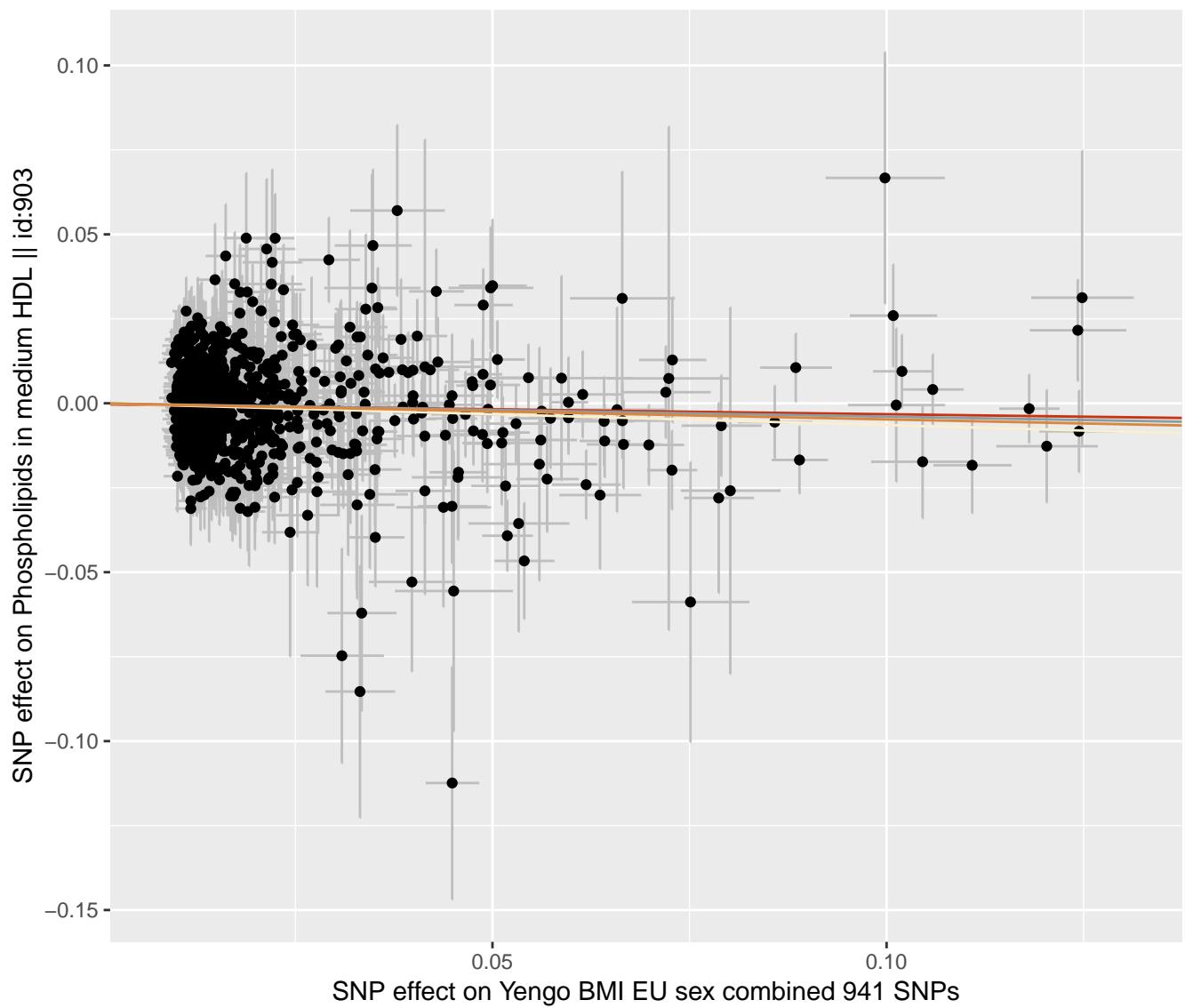
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



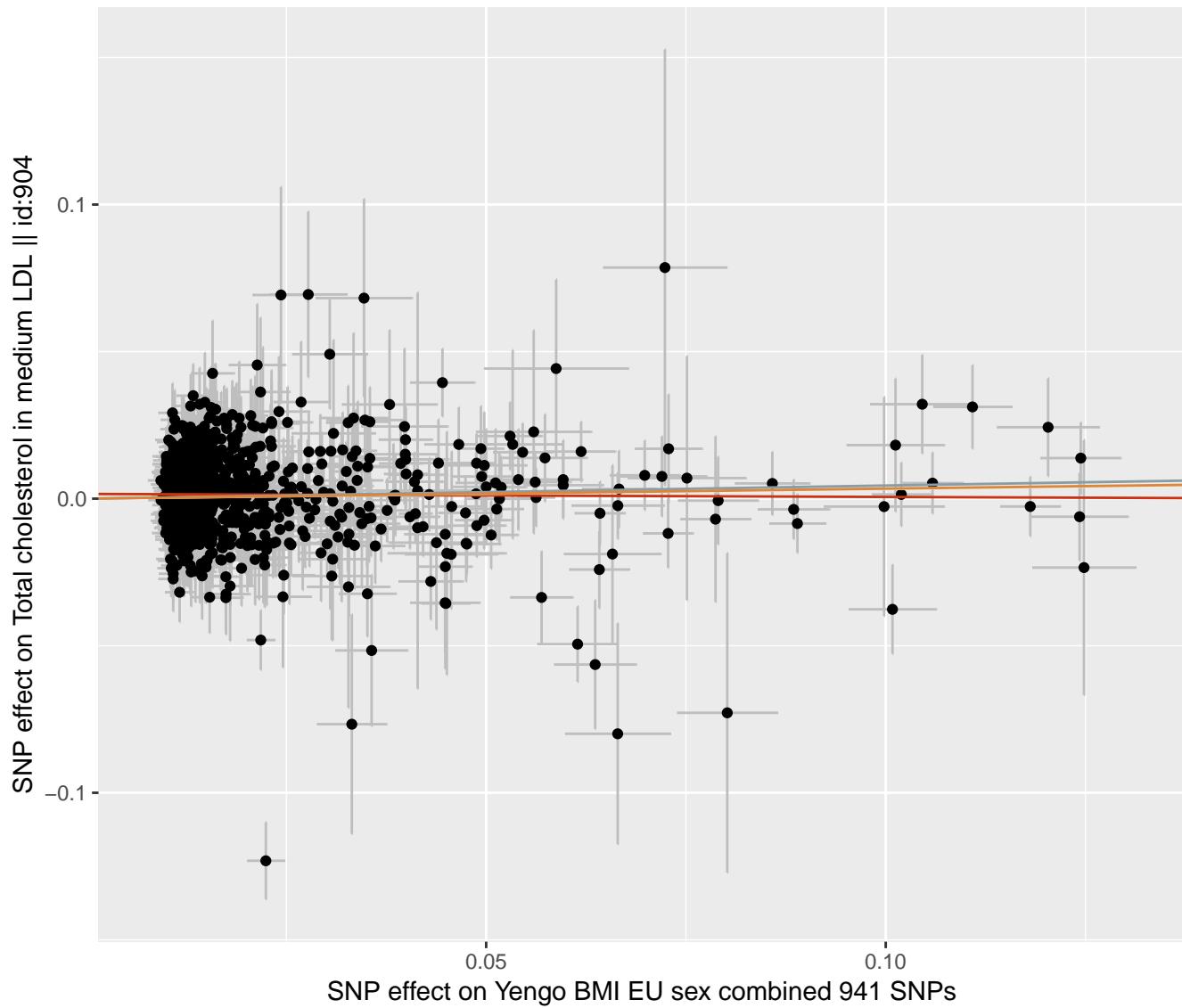
MR Egger



Weighted median



Weighted mode



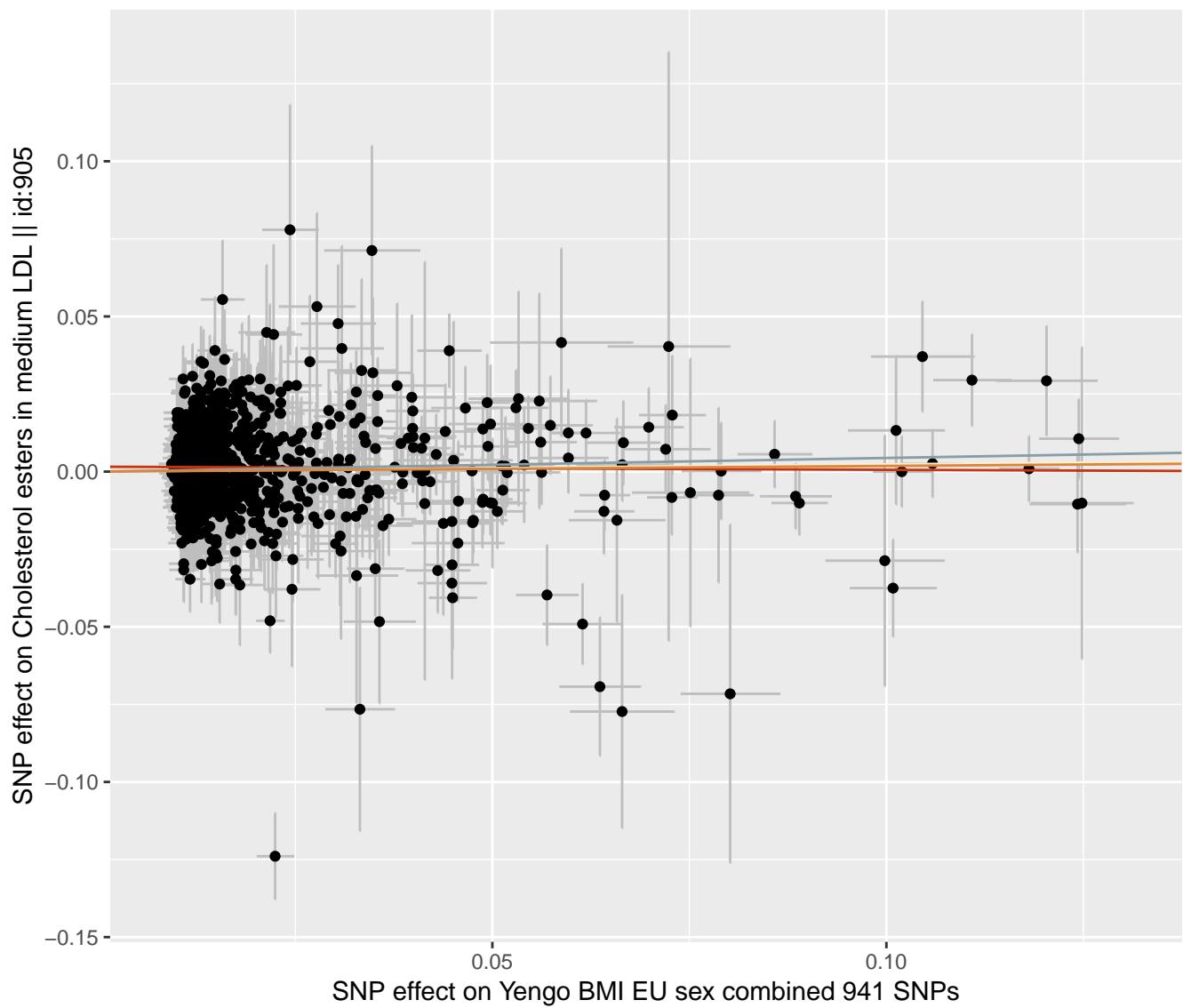
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



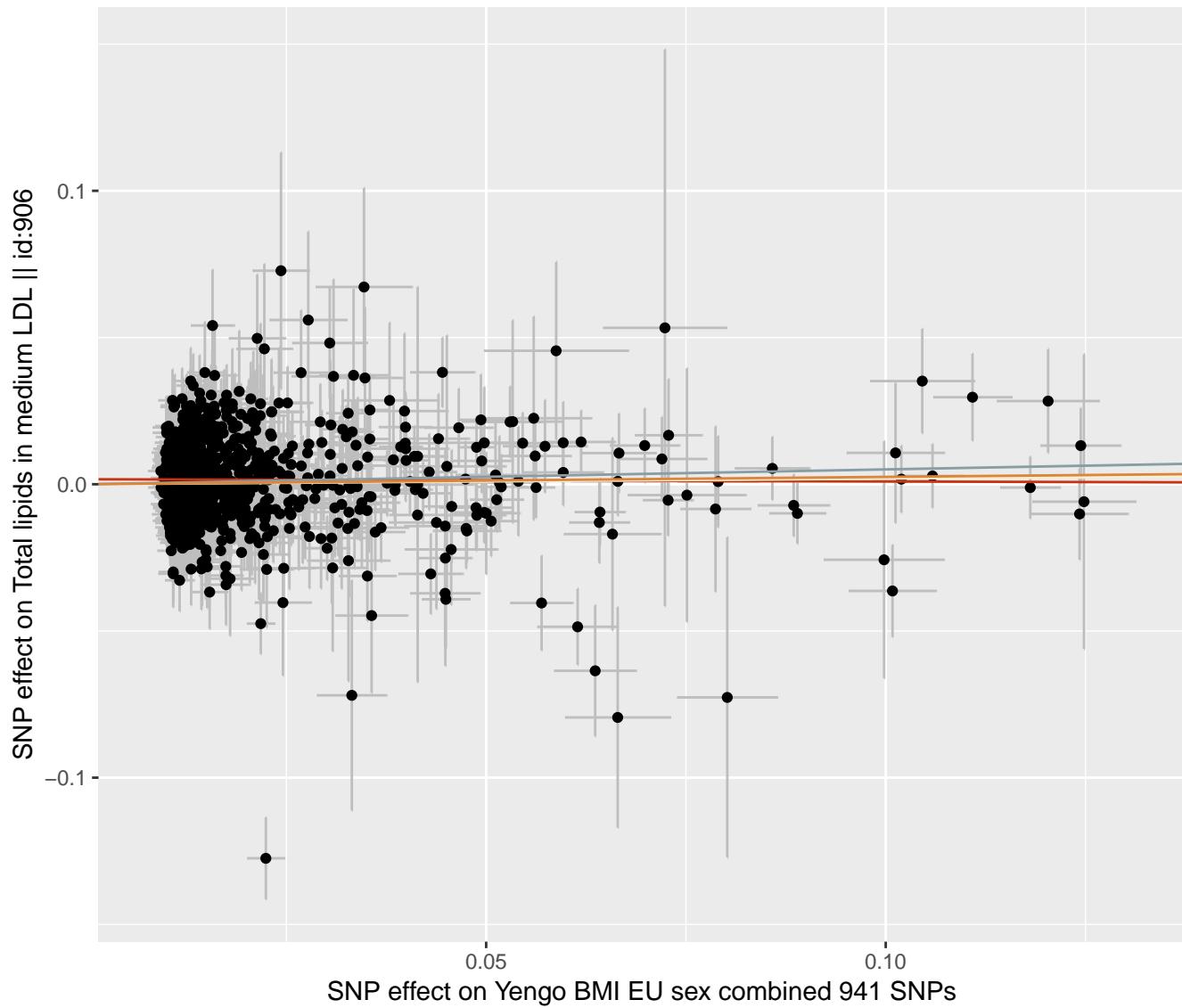
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



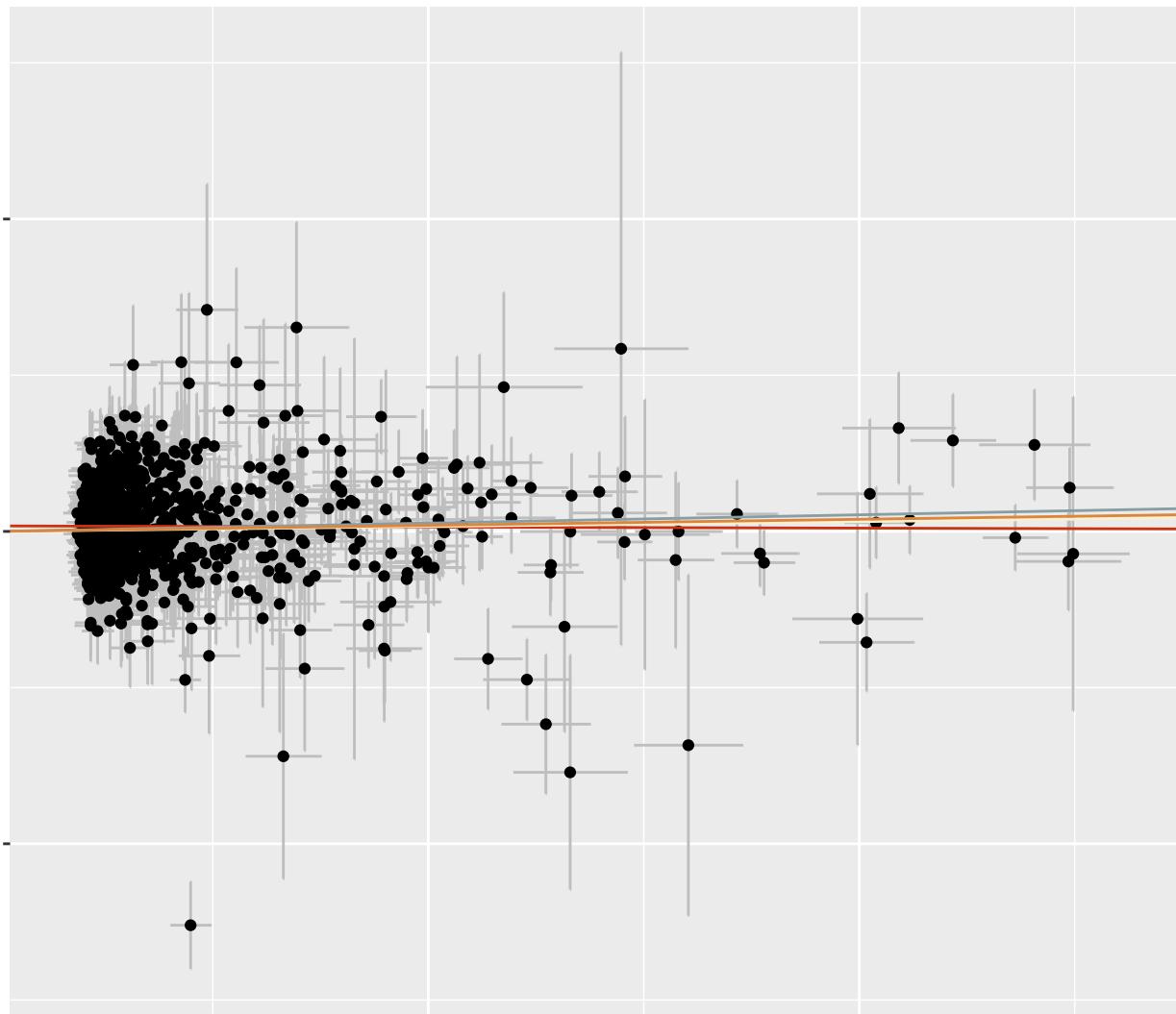
Weighted mode

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

0.05

0.10

SNP effect on Yengo BMI EU sex combined 941 SNPs



## MR Test



Inverse variance weighted (multiplicative random effects)



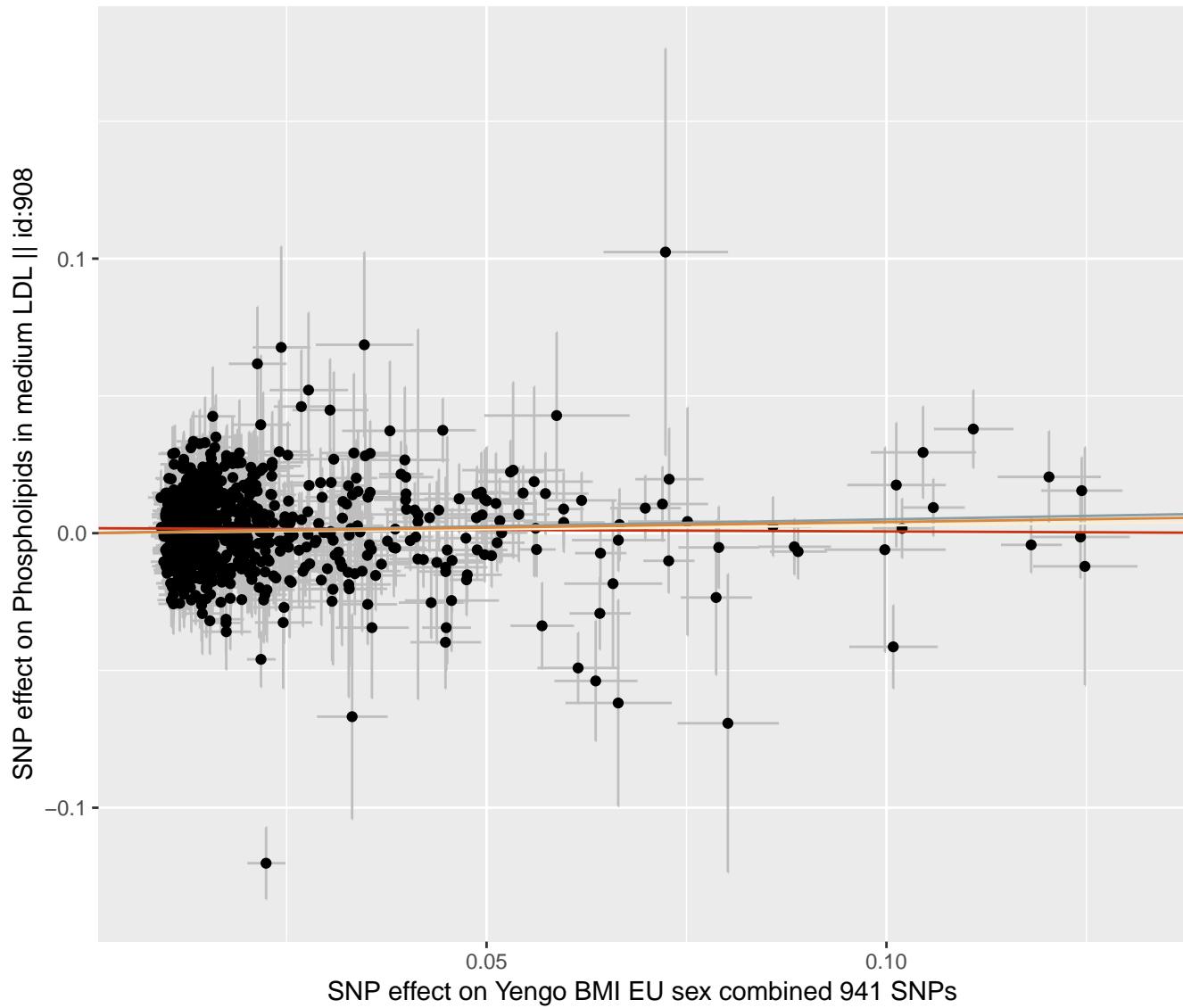
MR Egger



Weighted median



Weighted mode



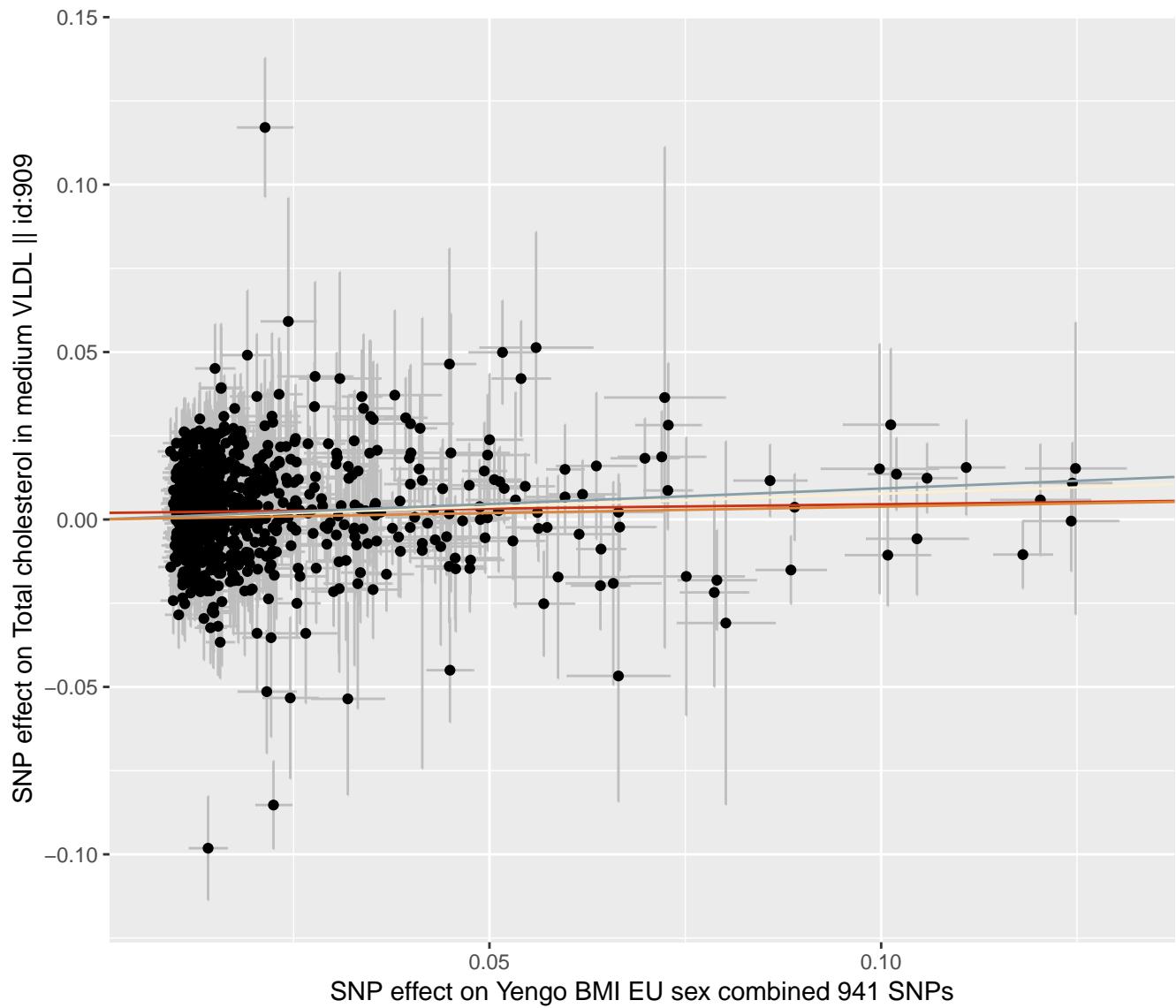
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

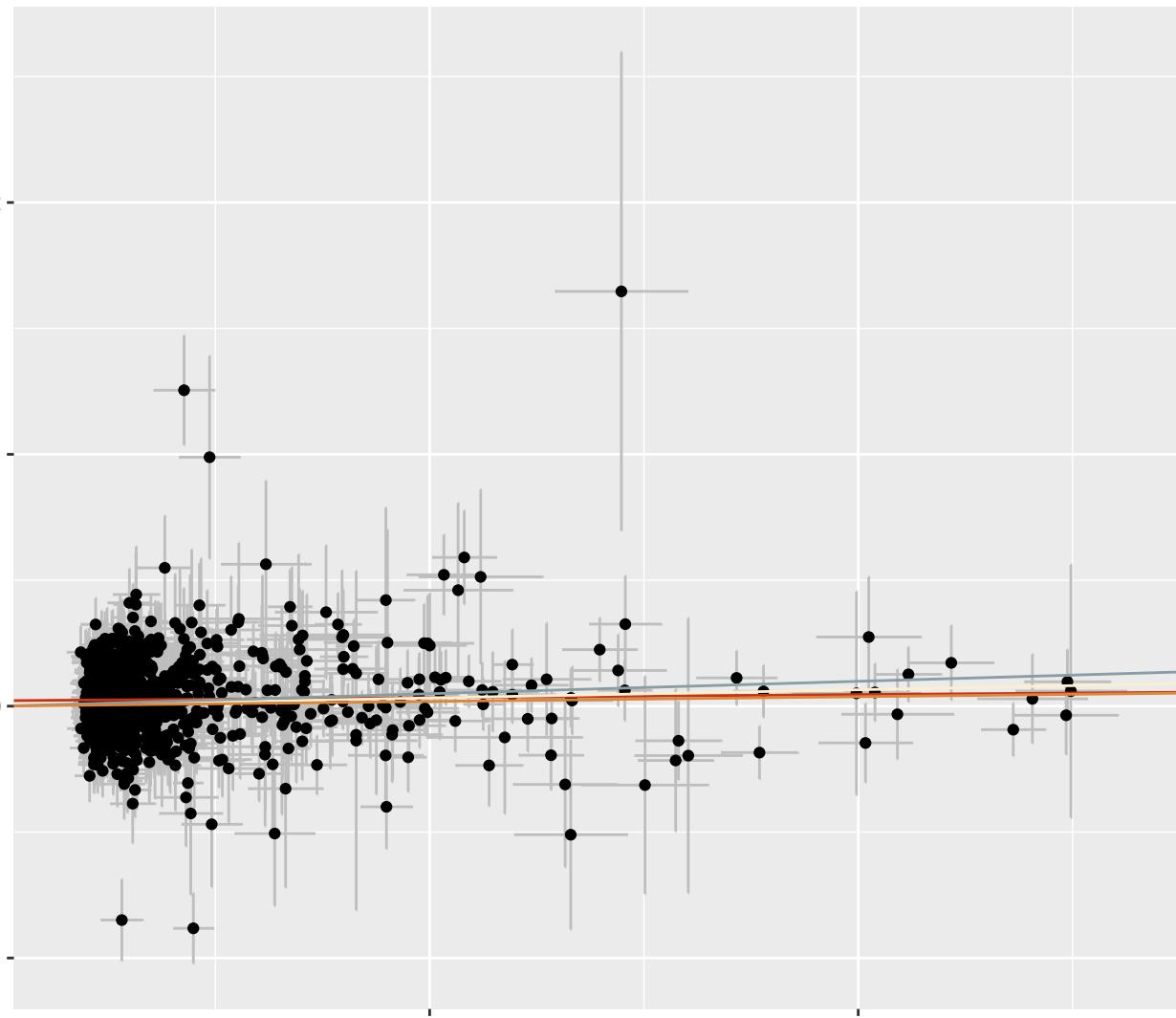


Weighted median



Weighted mode

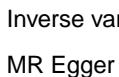
SNP effect on Cholesterol esters in medium VLDL || id:910



SNP effect on Yengo BMI EU sex combined 941 SNPs

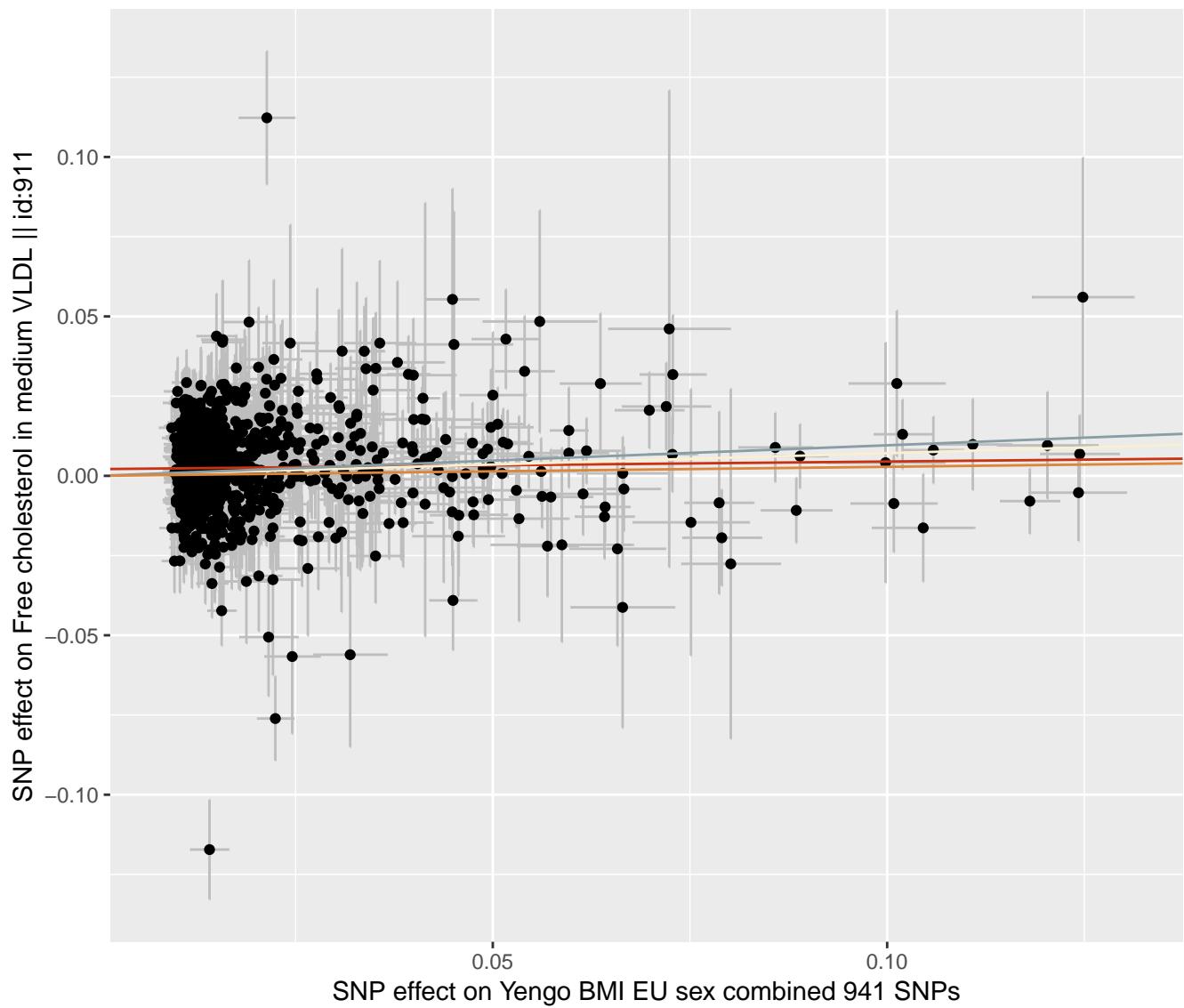
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



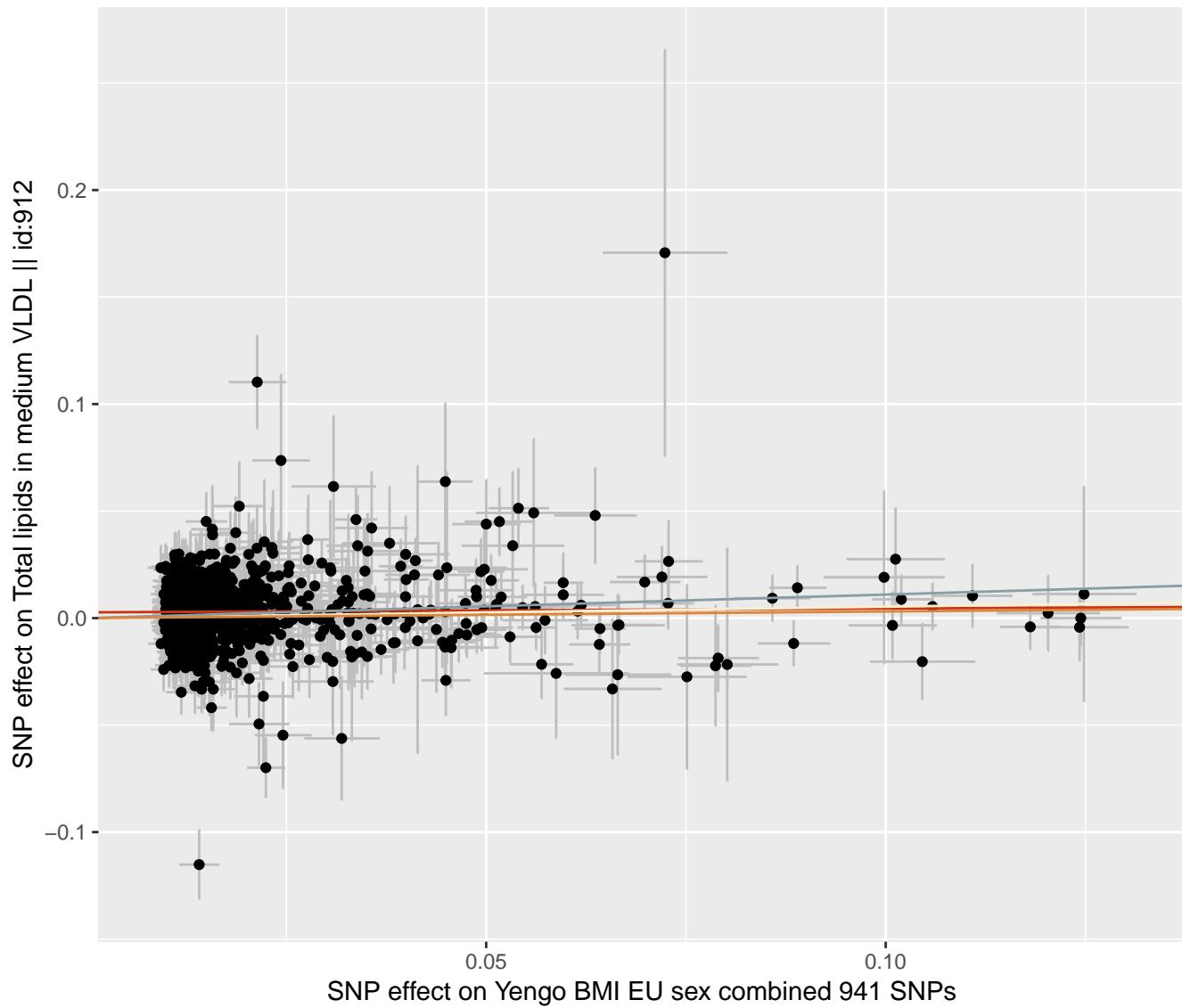
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

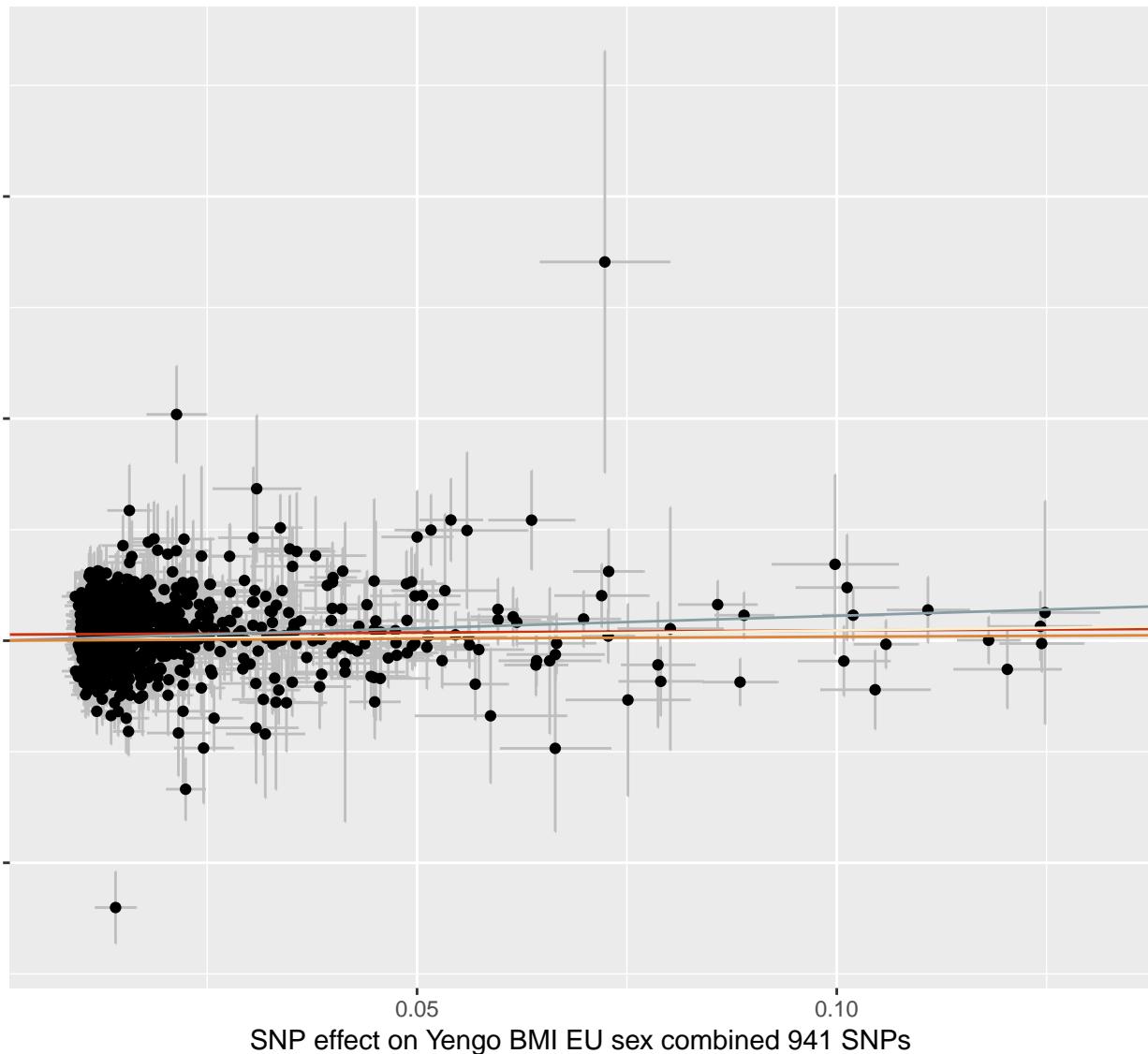


Weighted median



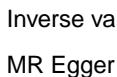
Weighted mode

SNP effect on Concentration of medium VLDL particles || id:913



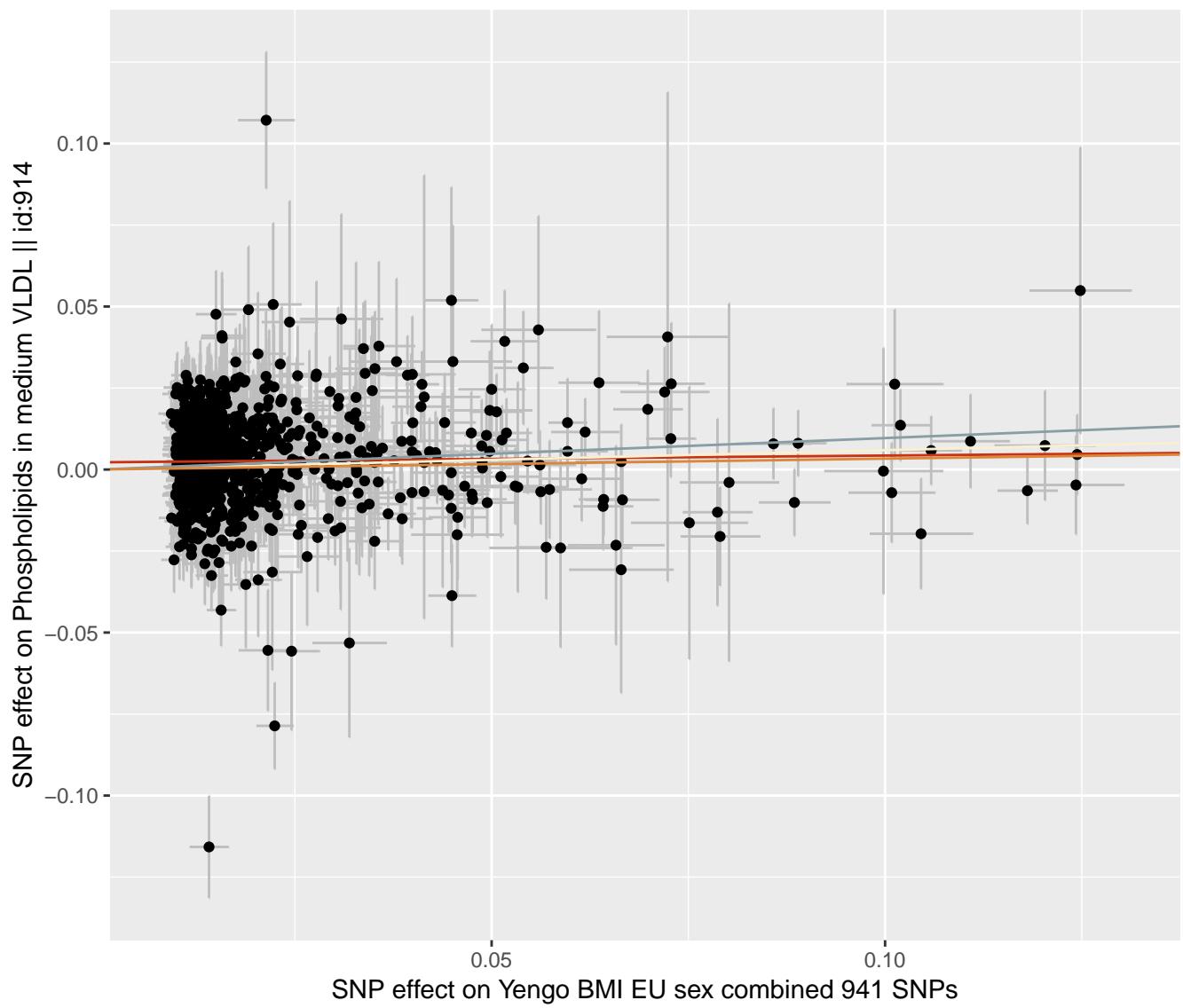
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



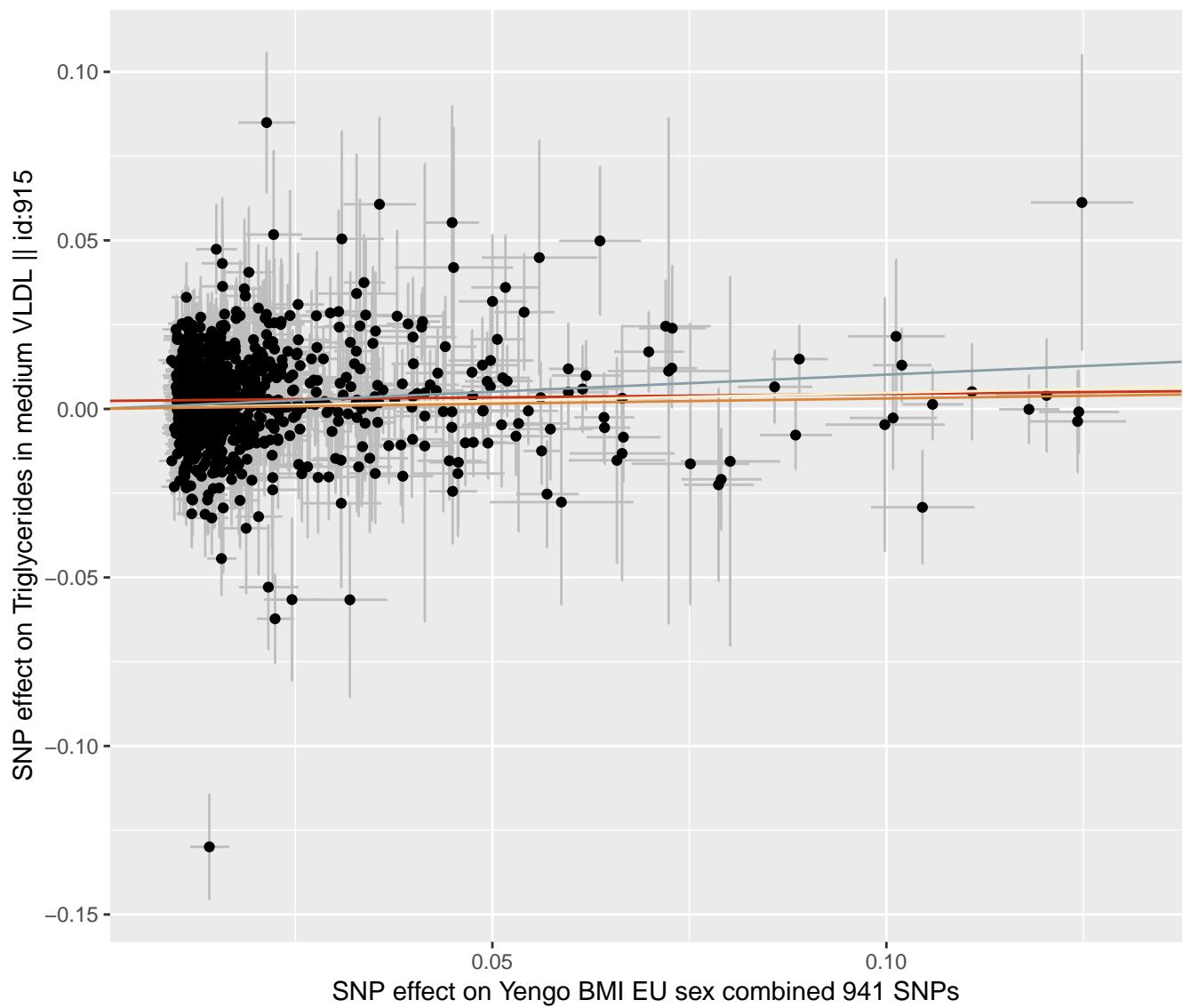
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



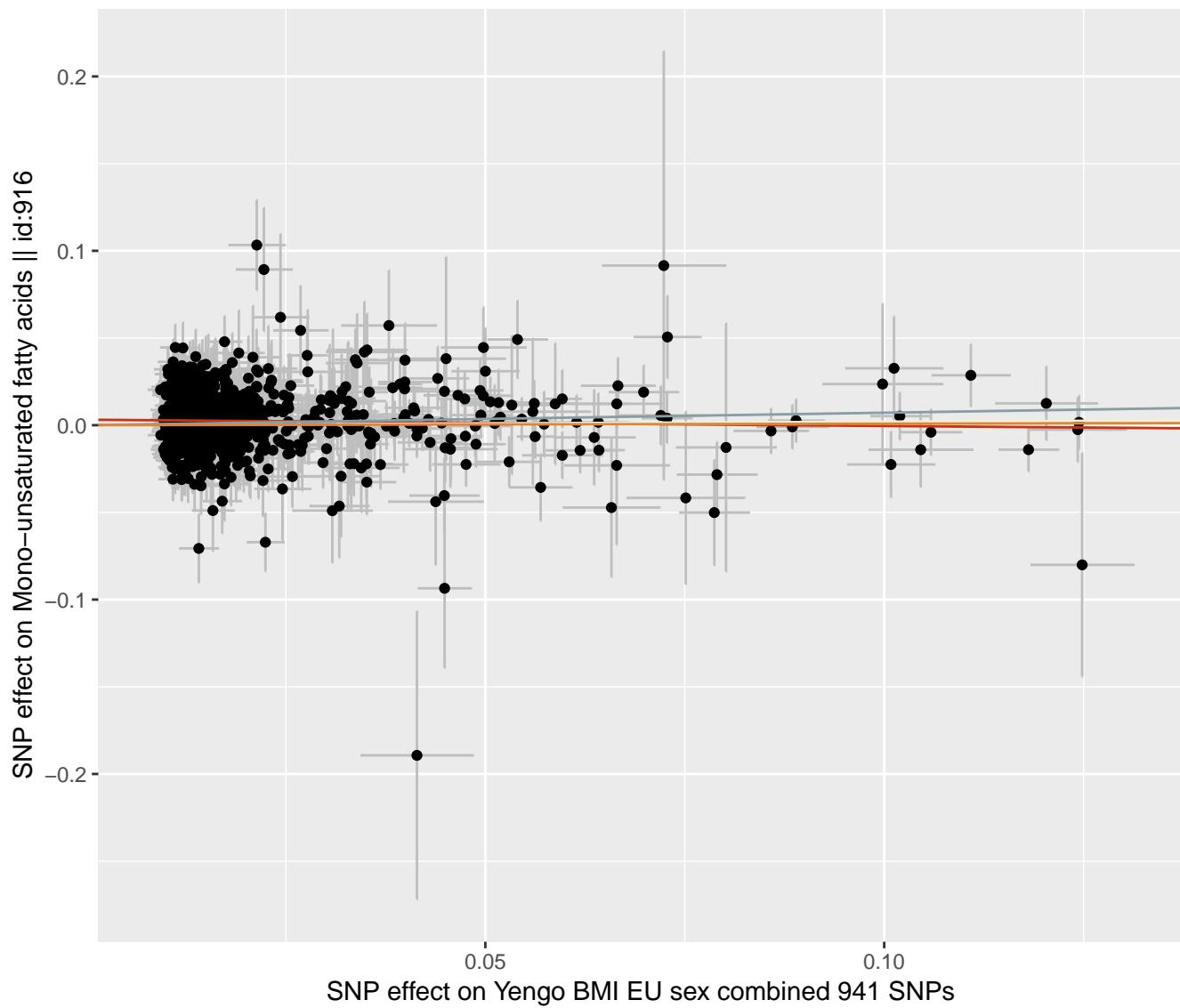
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



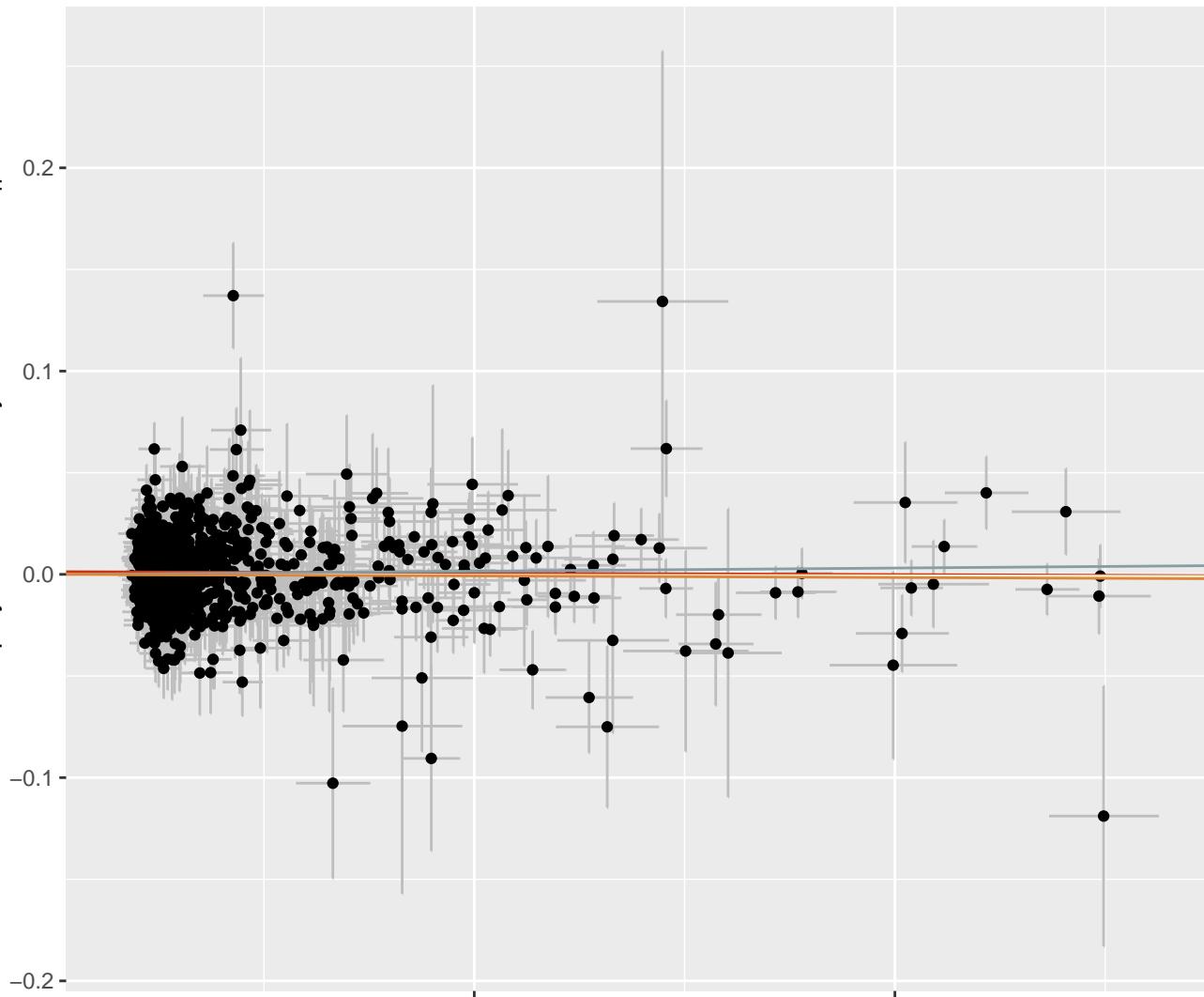
Weighted mode

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

0.05

0.10

SNP effect on Yengo BMI EU sex combined 941 SNPs



## MR Test



Inverse variance weighted (multiplicative random effects)



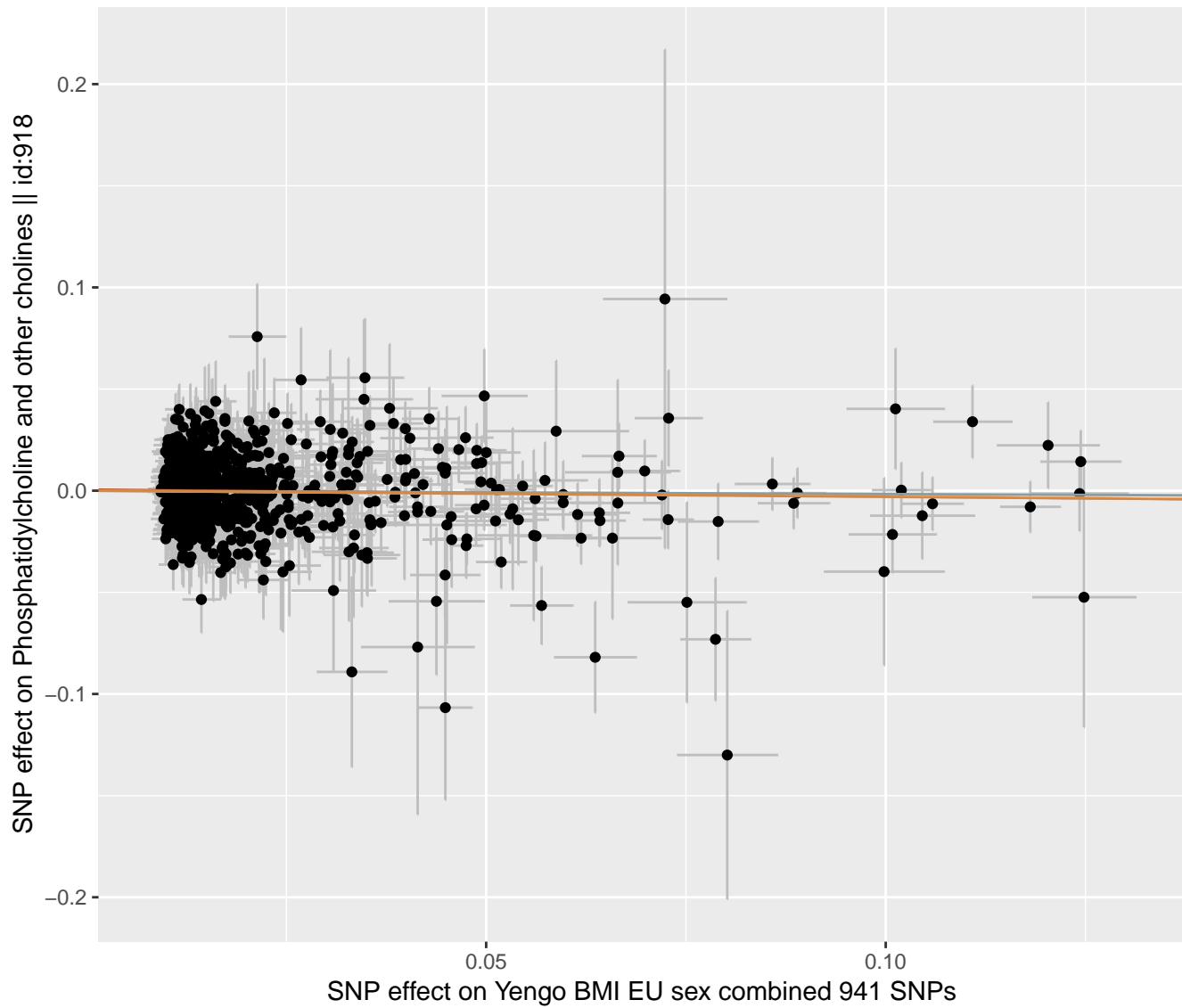
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



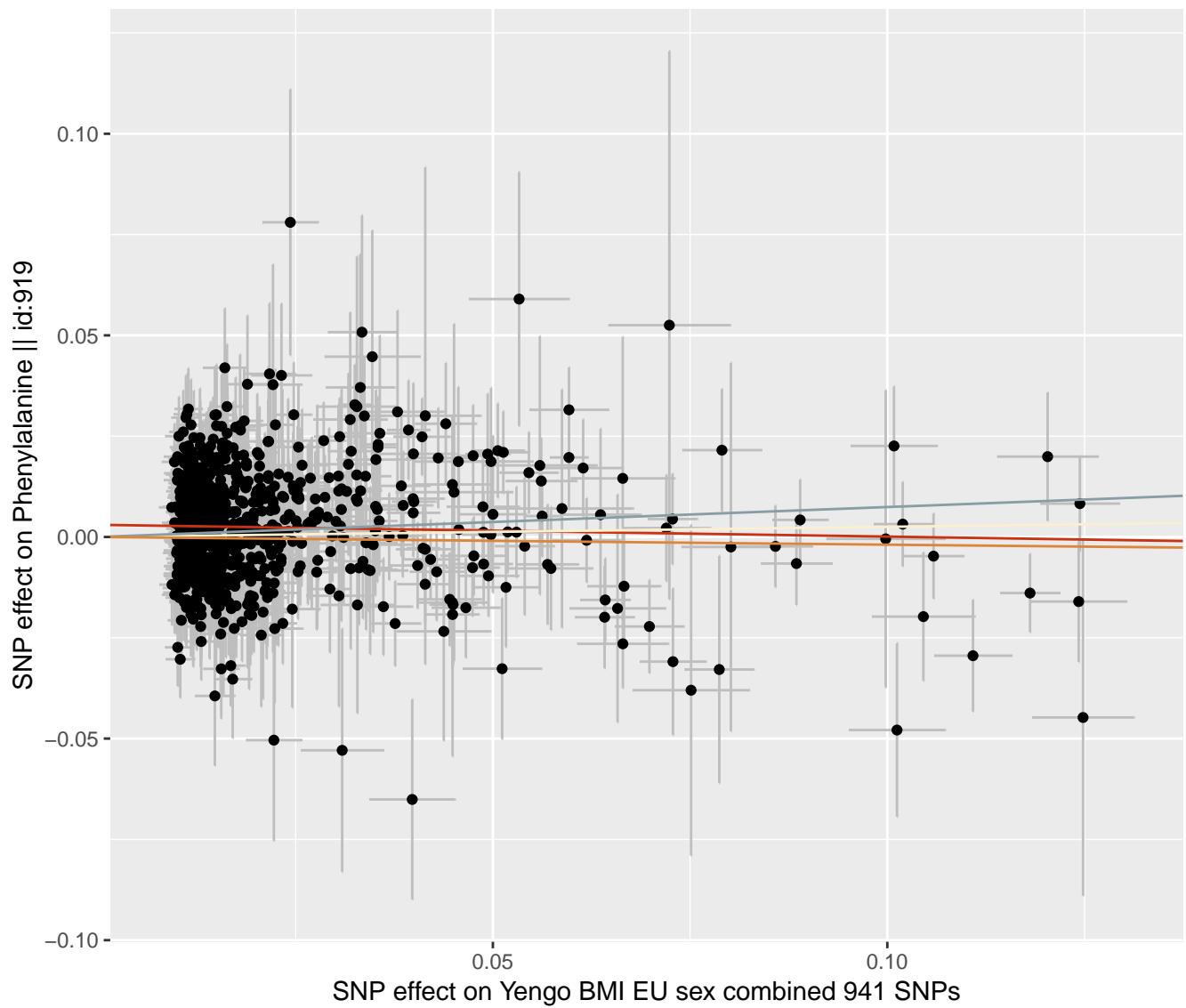
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

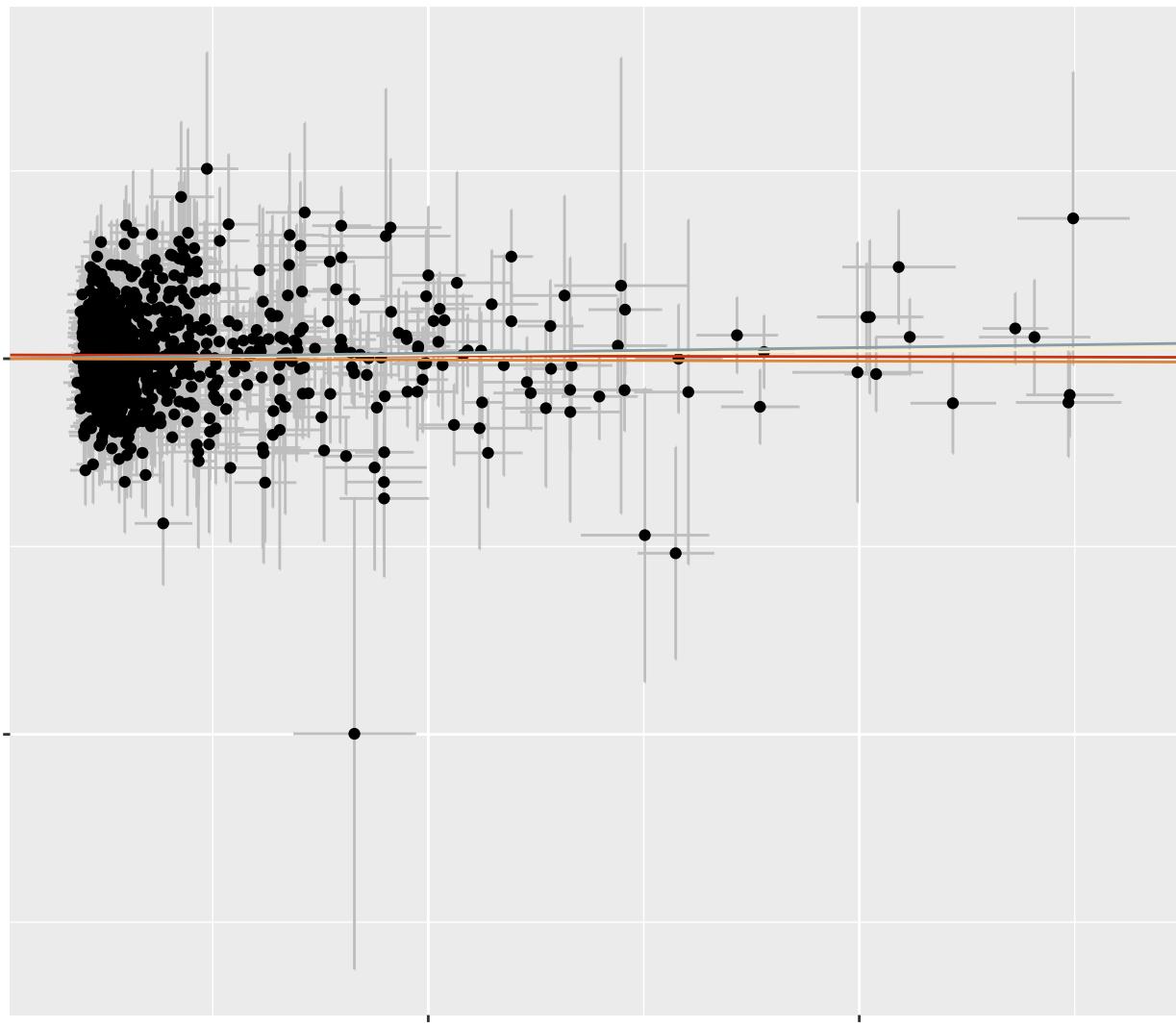


Weighted median



Weighted mode

SNP effect on Pyruvate || id:920



SNP effect on Yengo BMI EU sex combined 941 SNPs

## MR Test



Inverse variance weighted (multiplicative random effects)



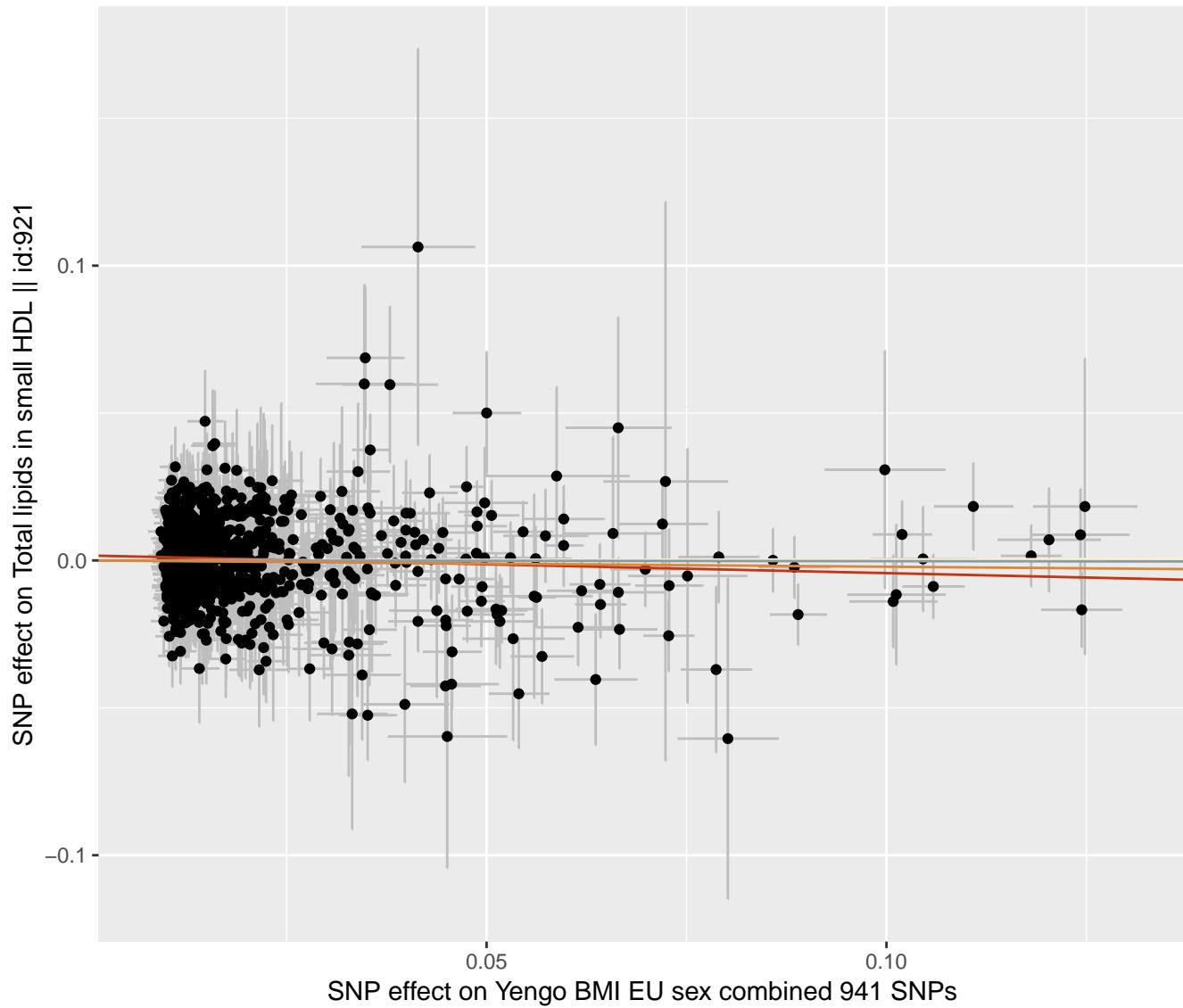
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

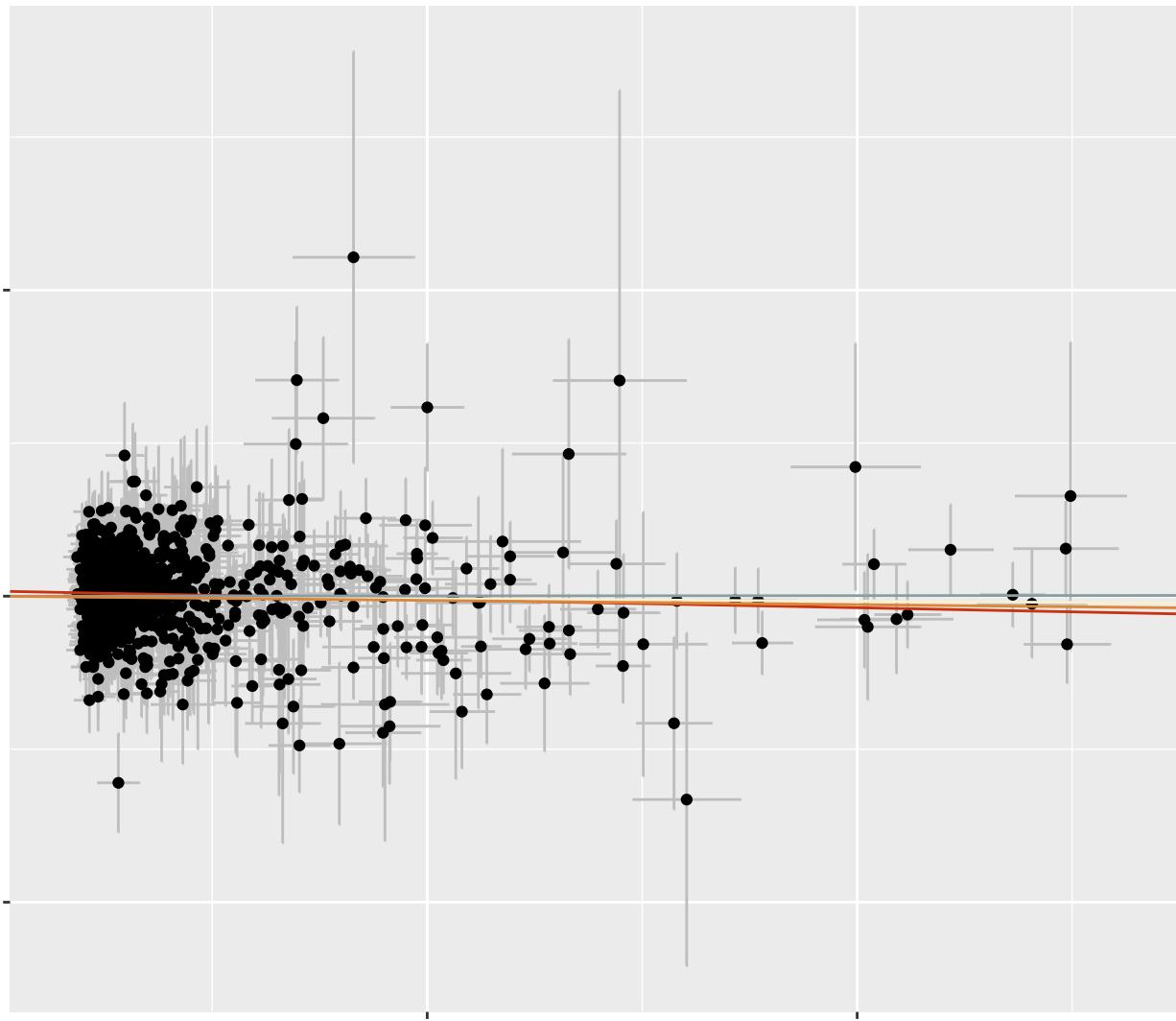


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

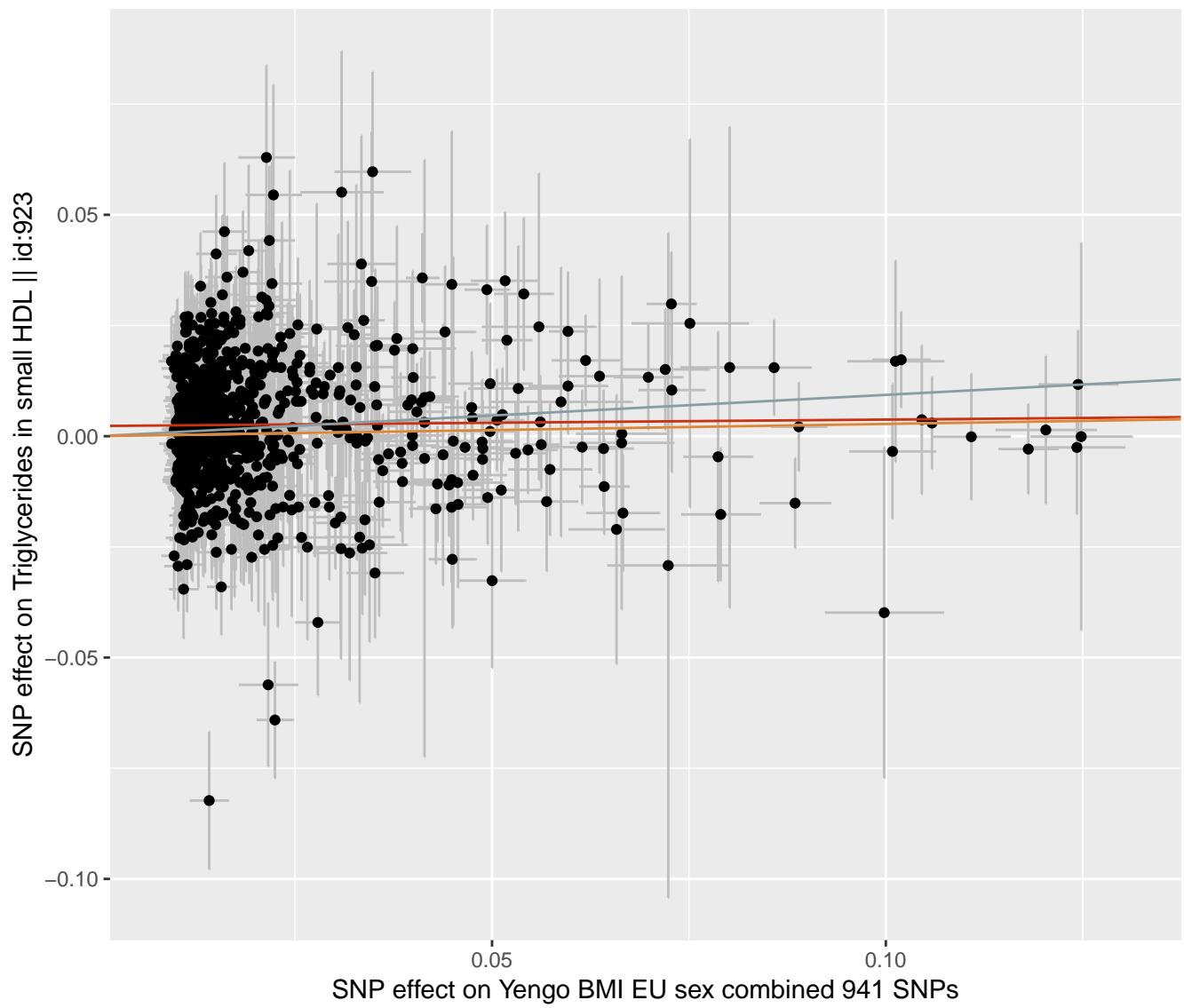
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



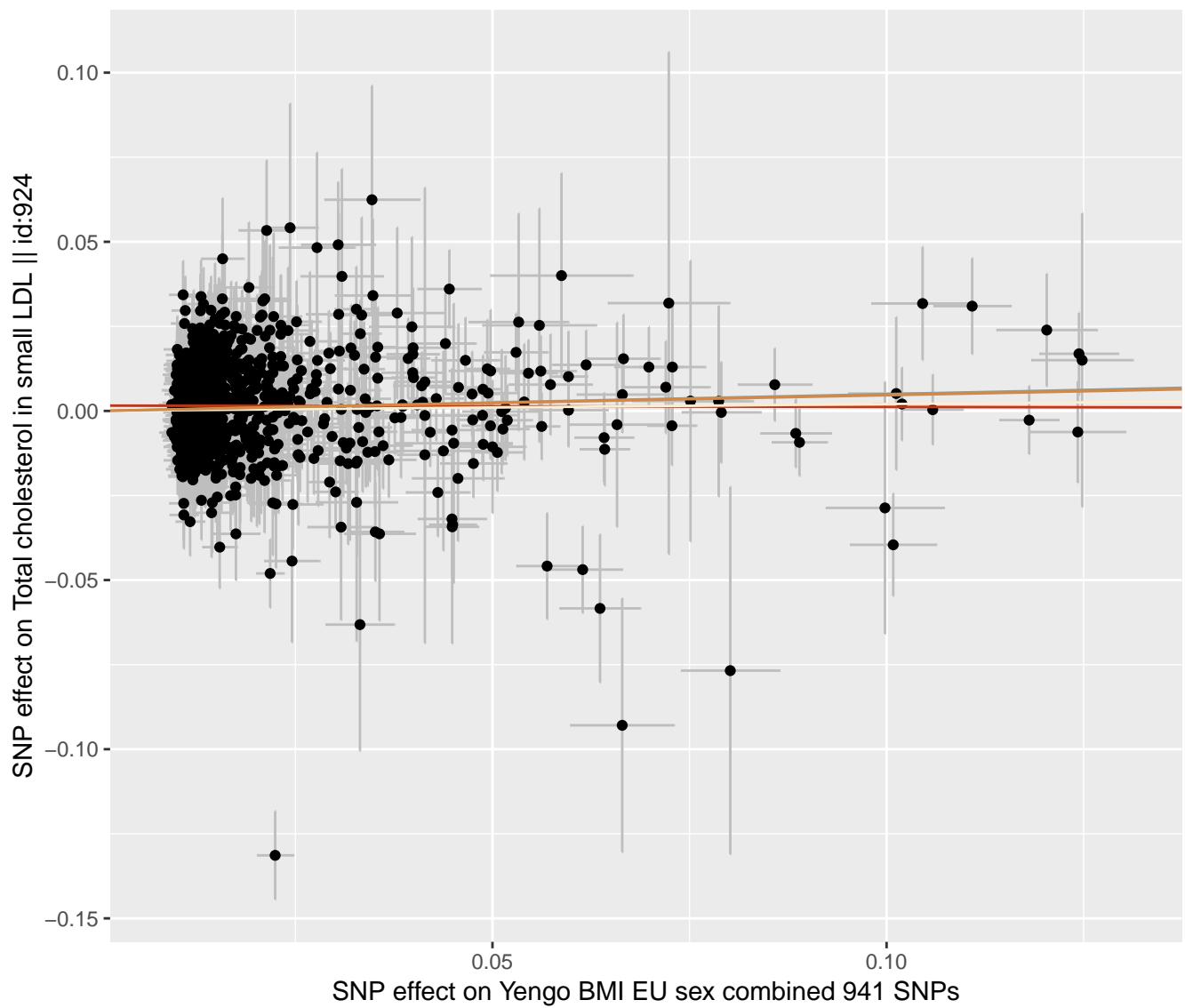
## MR Test

### Inverse variance weighted (multiplicative random effects)

MR Egger

## Weighted median

### Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



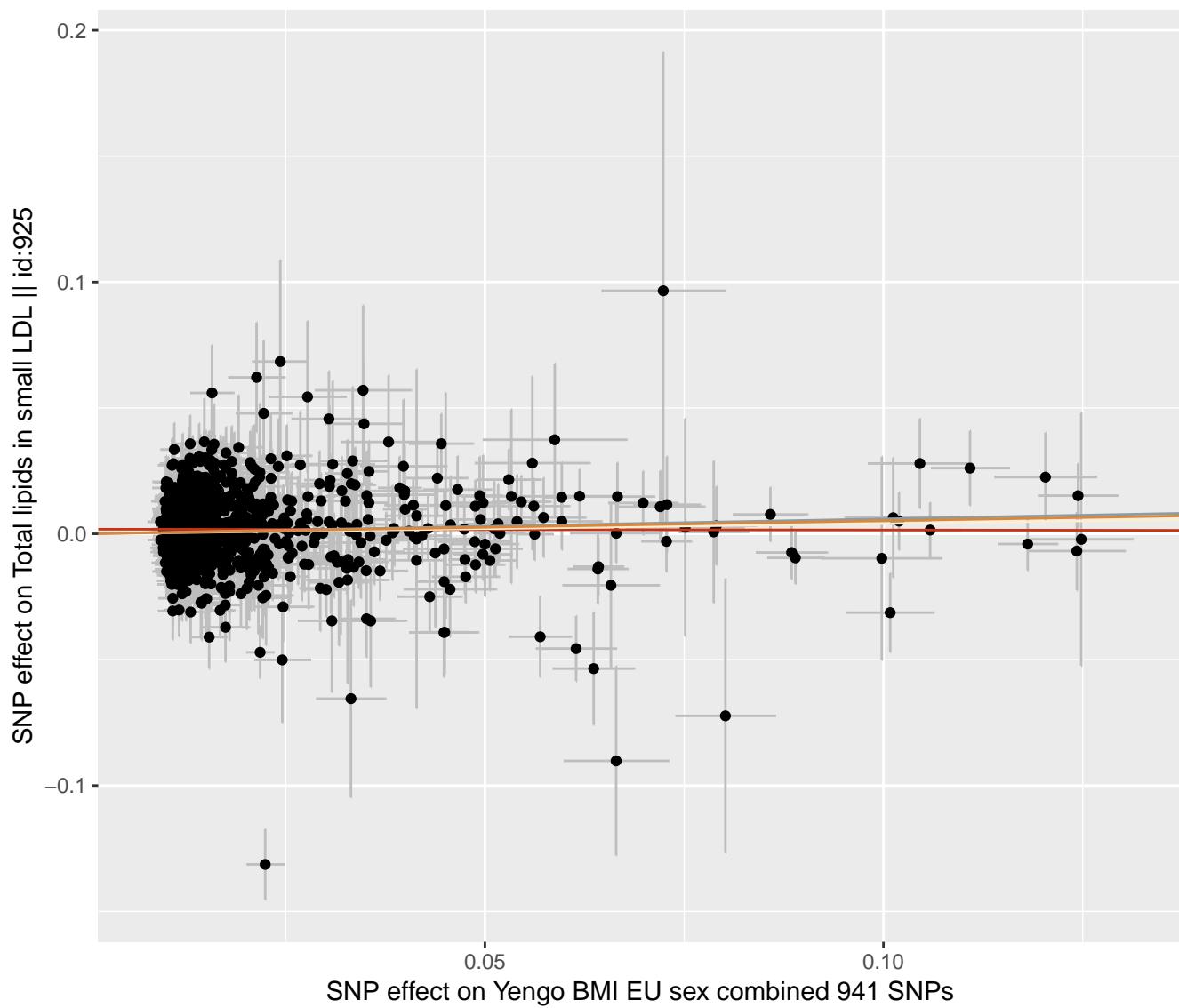
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



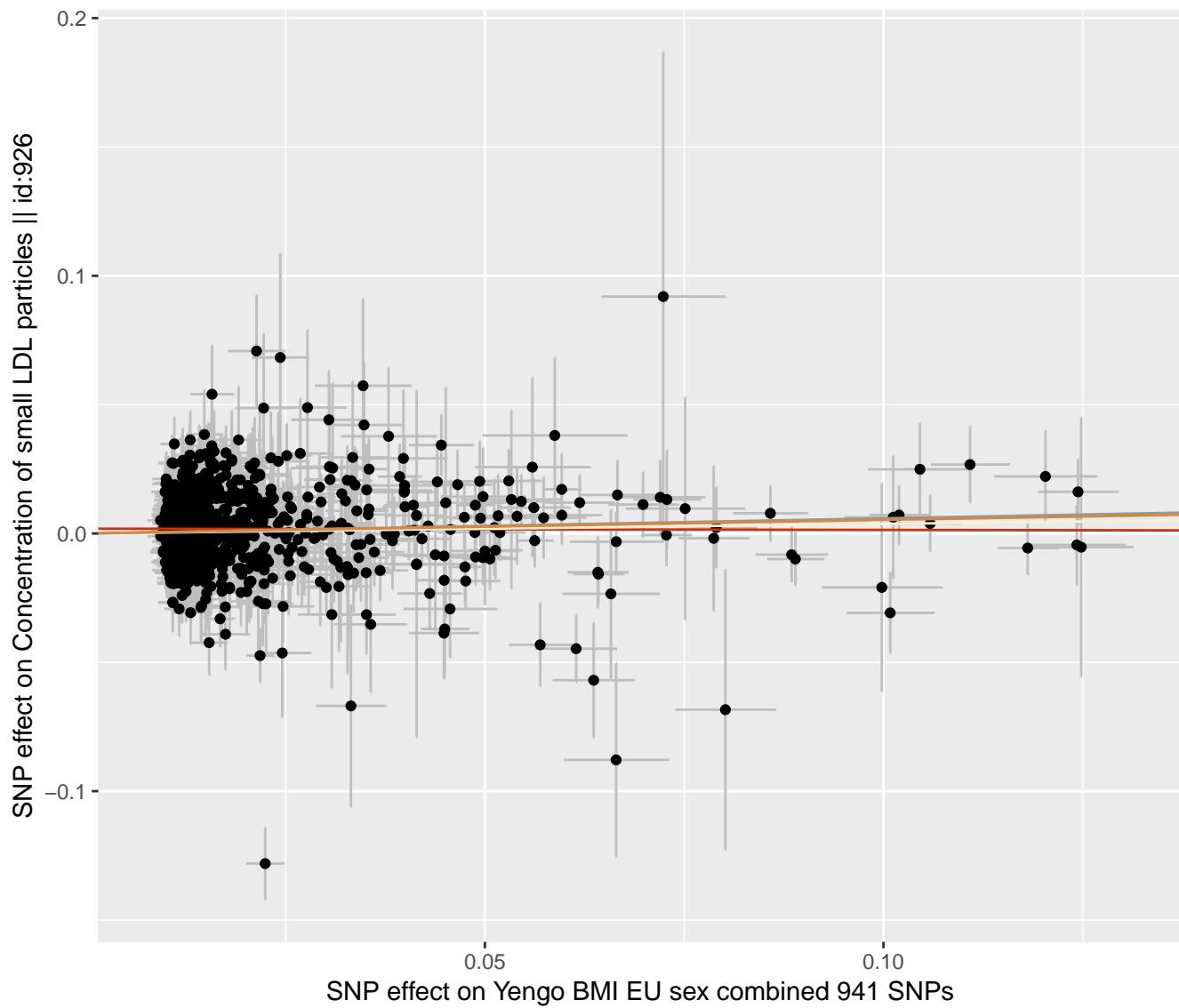
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



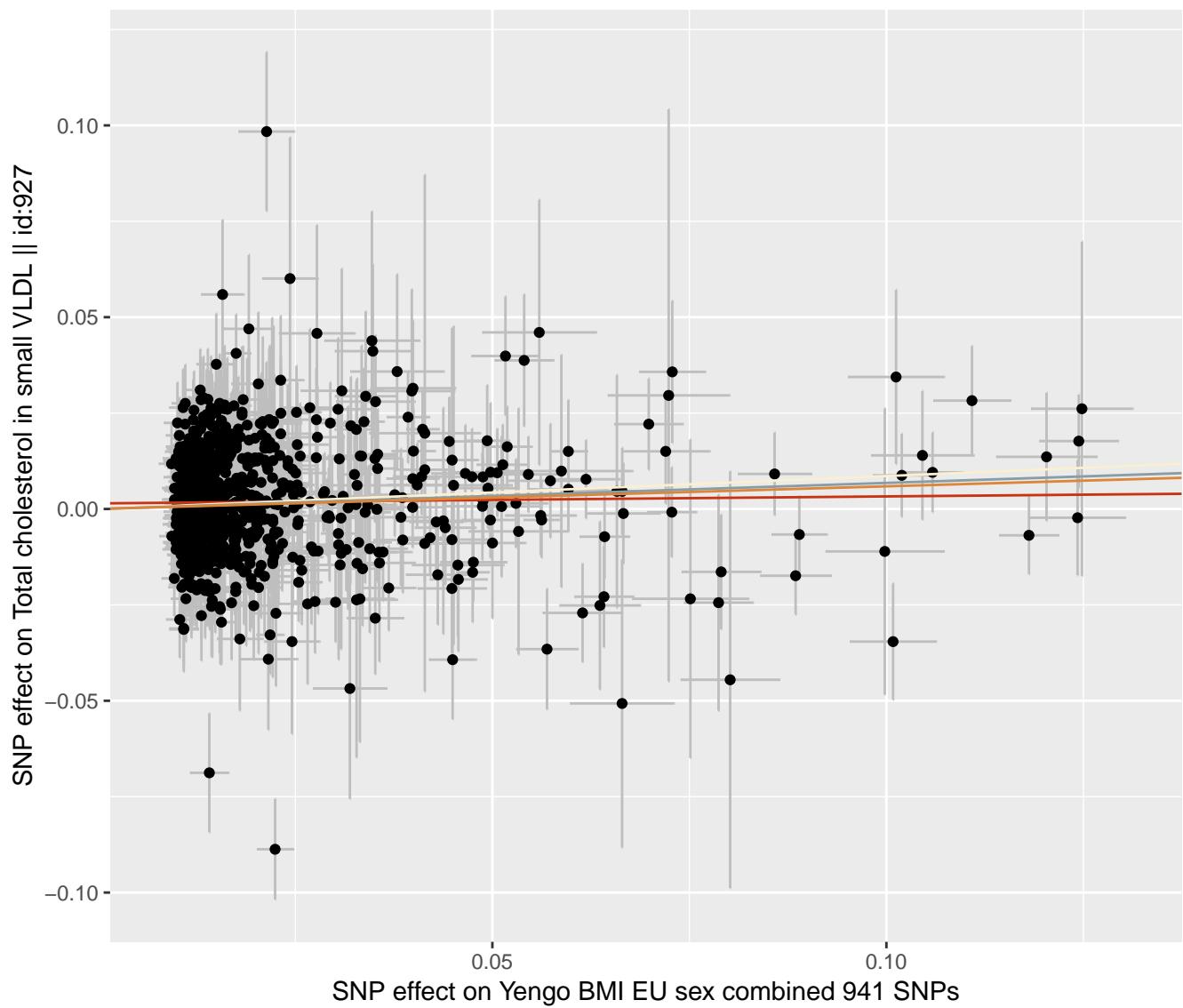
MR Egger



Weighted median

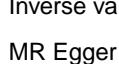


Weighted mode

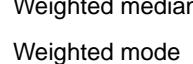


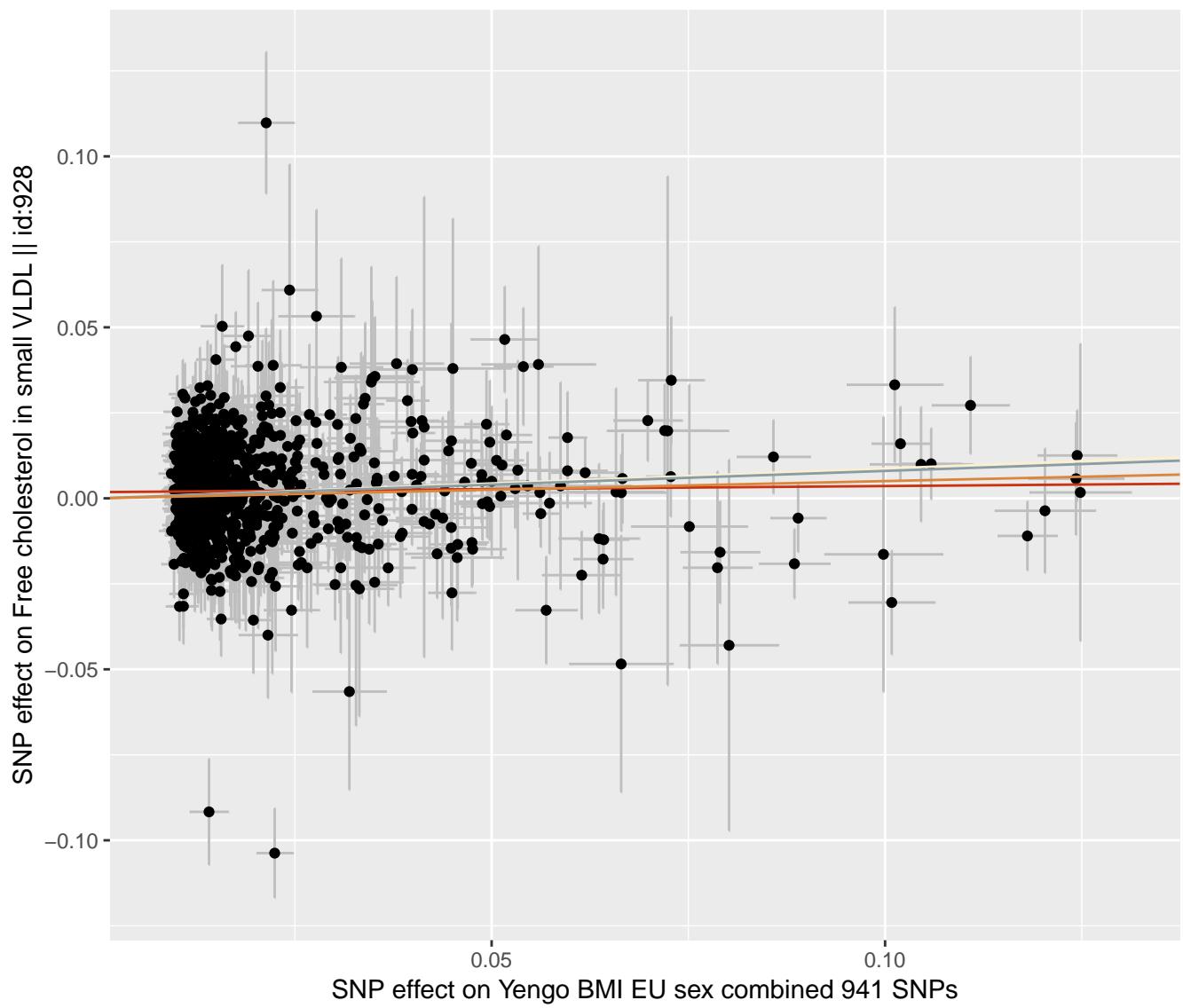
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



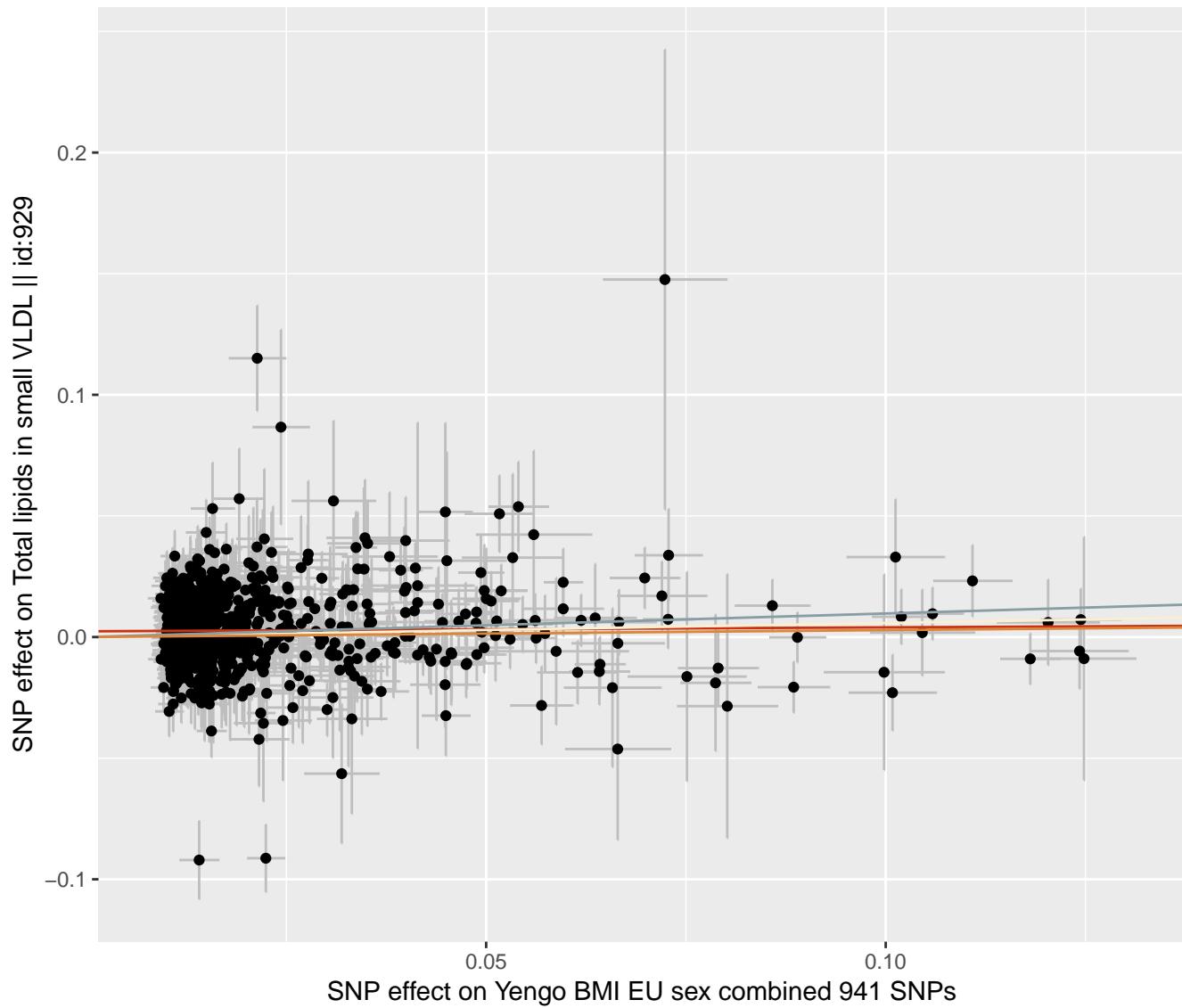
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



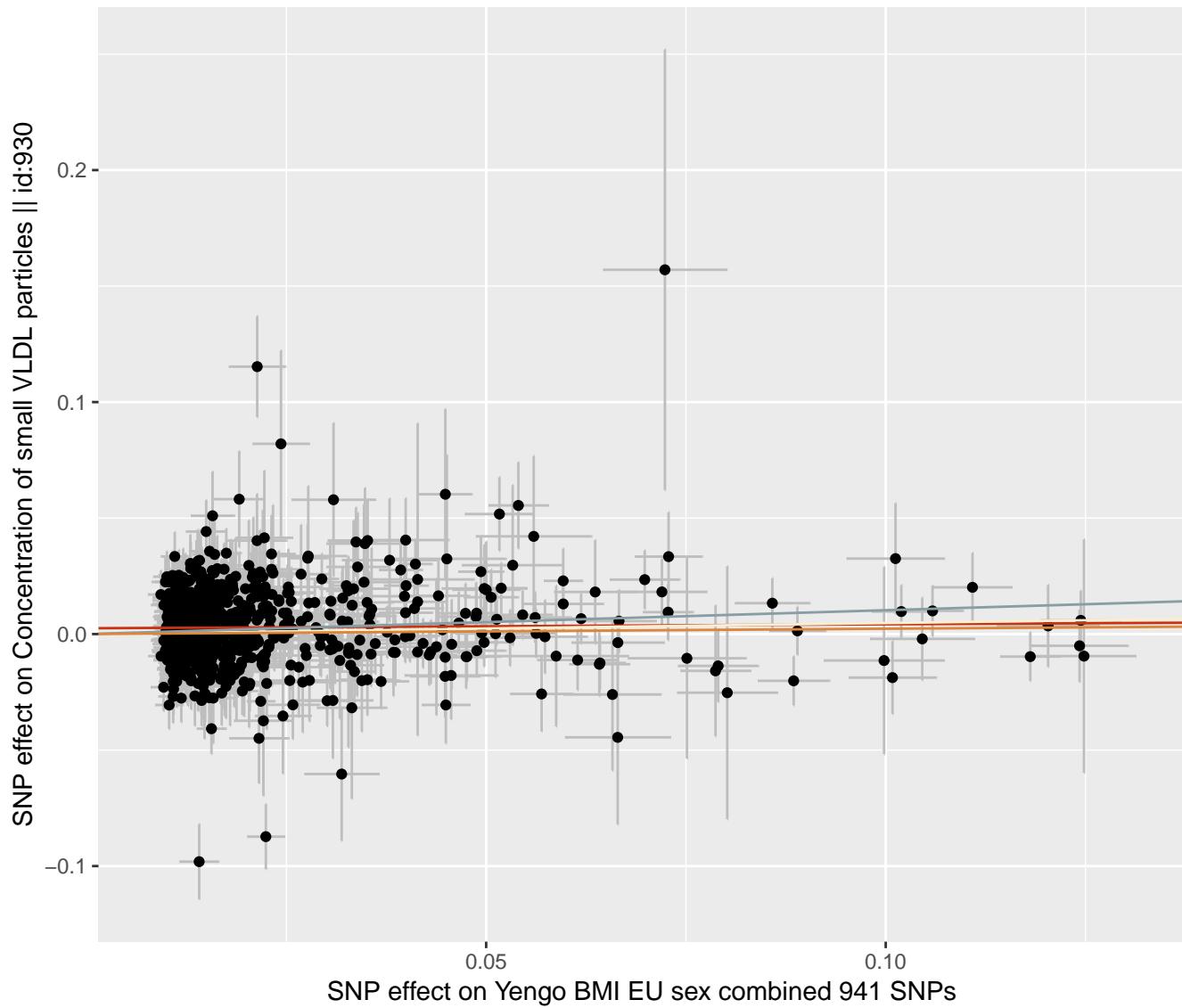
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



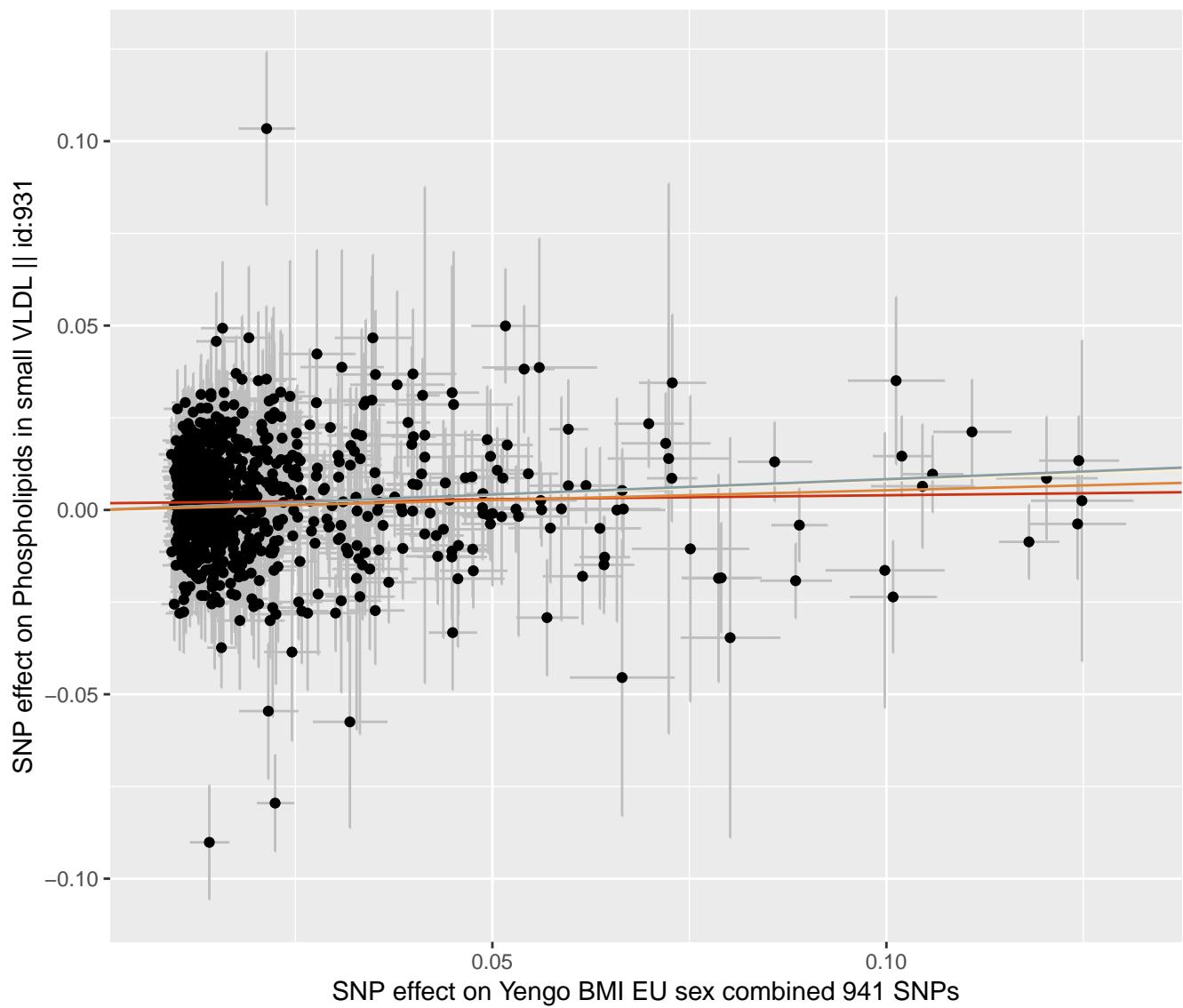
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



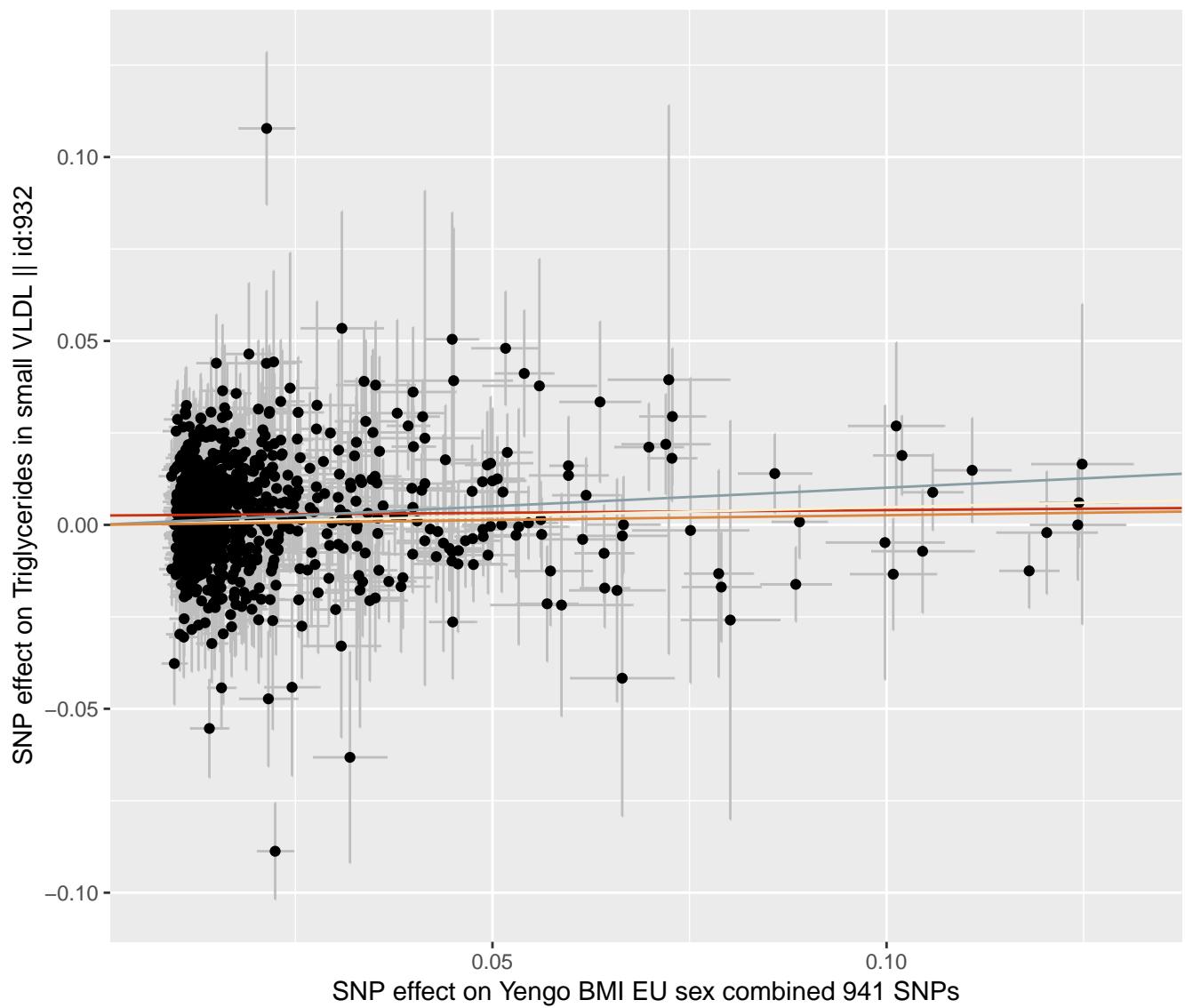
MR Egger



Weighted median



Weighted mode



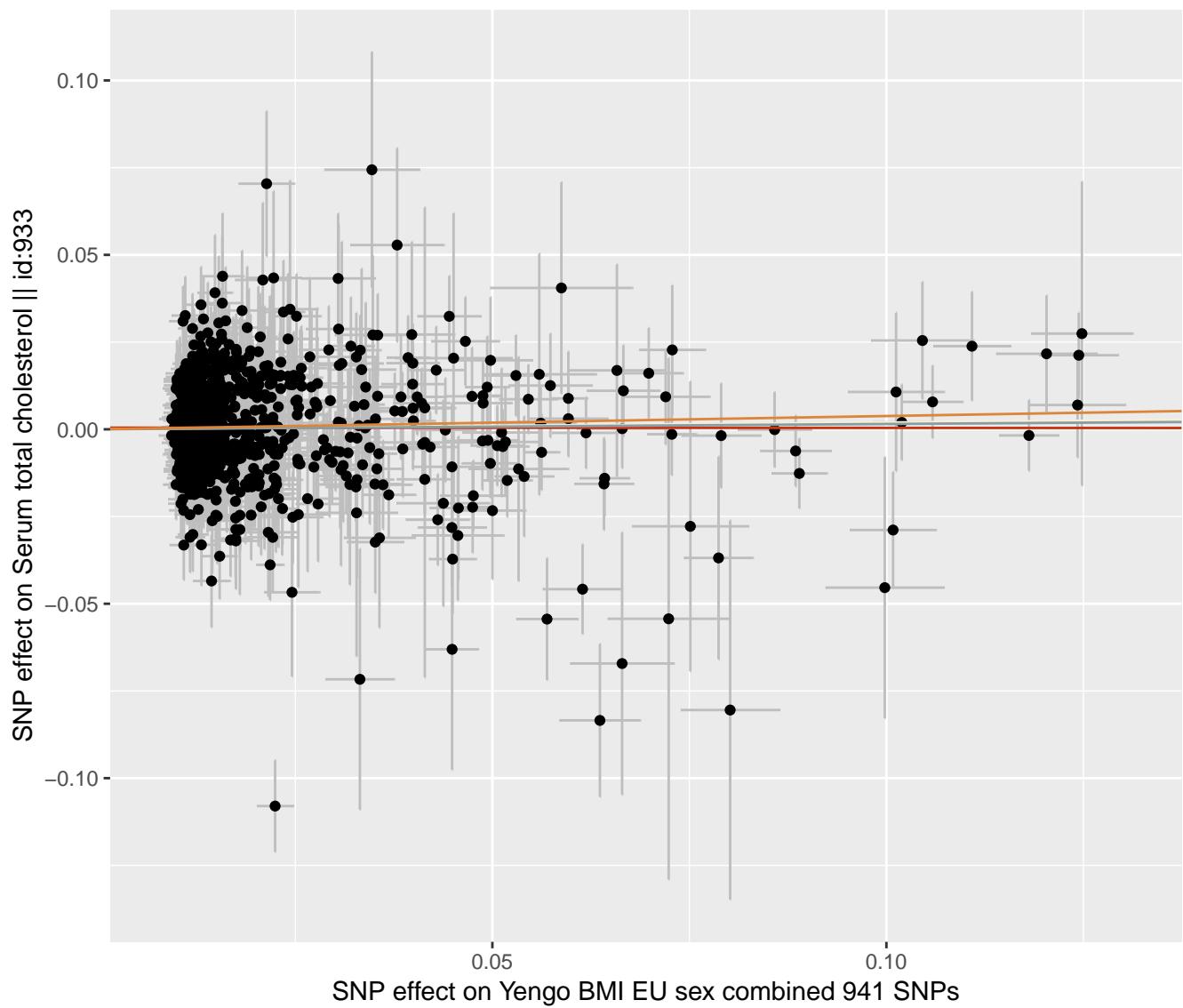
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

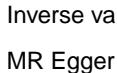
 Weighted median

 Weighted mode



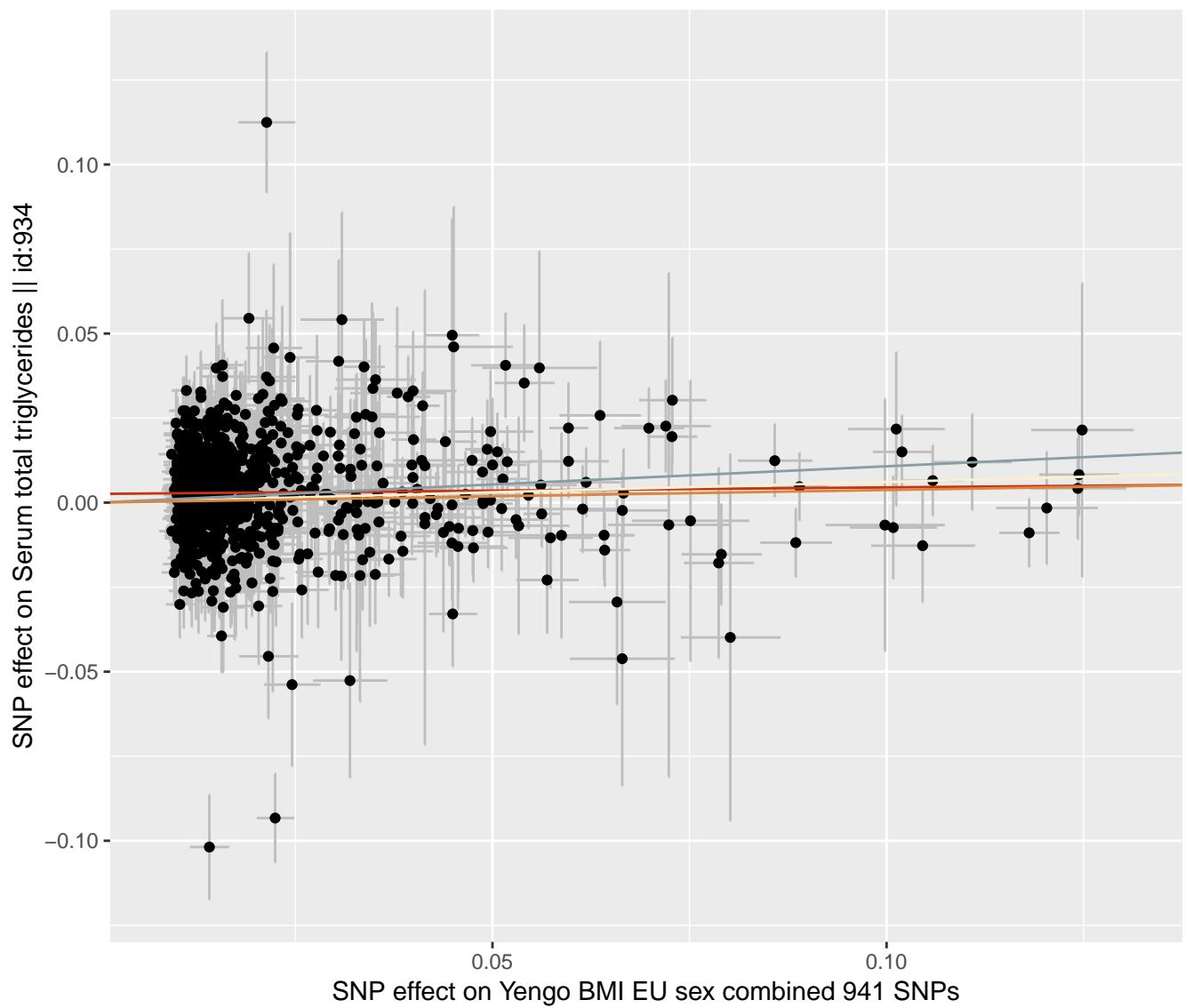
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



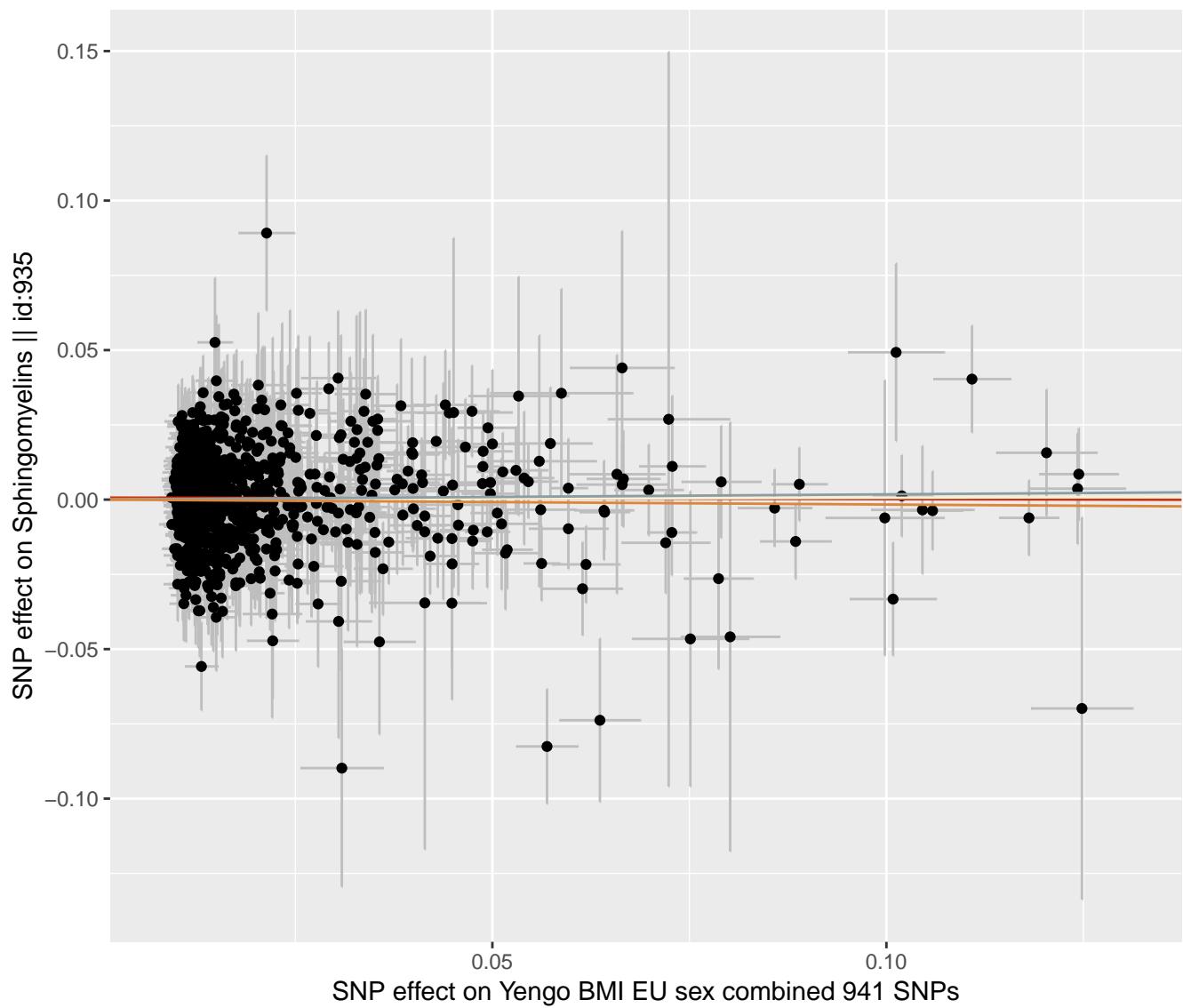
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



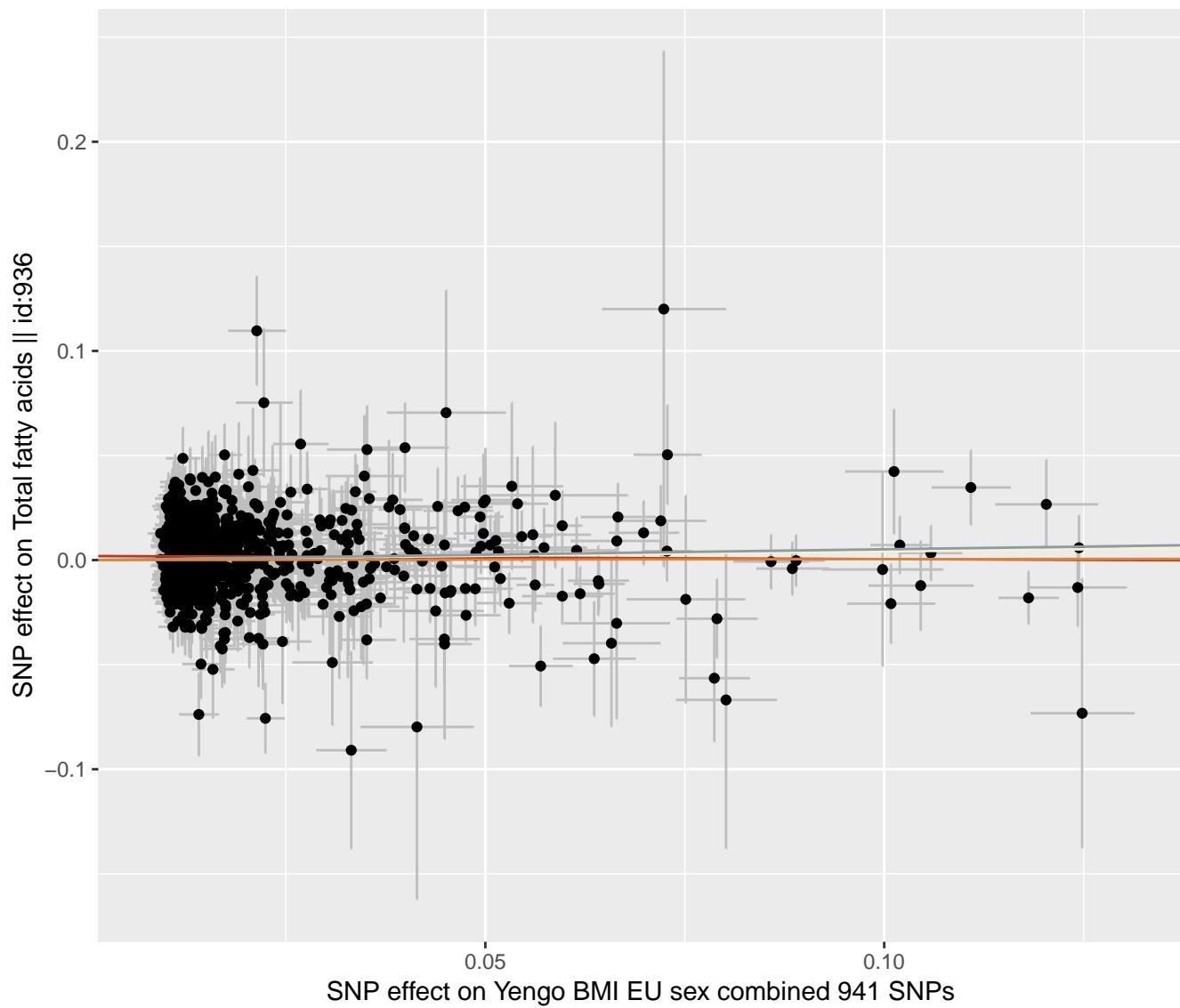
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



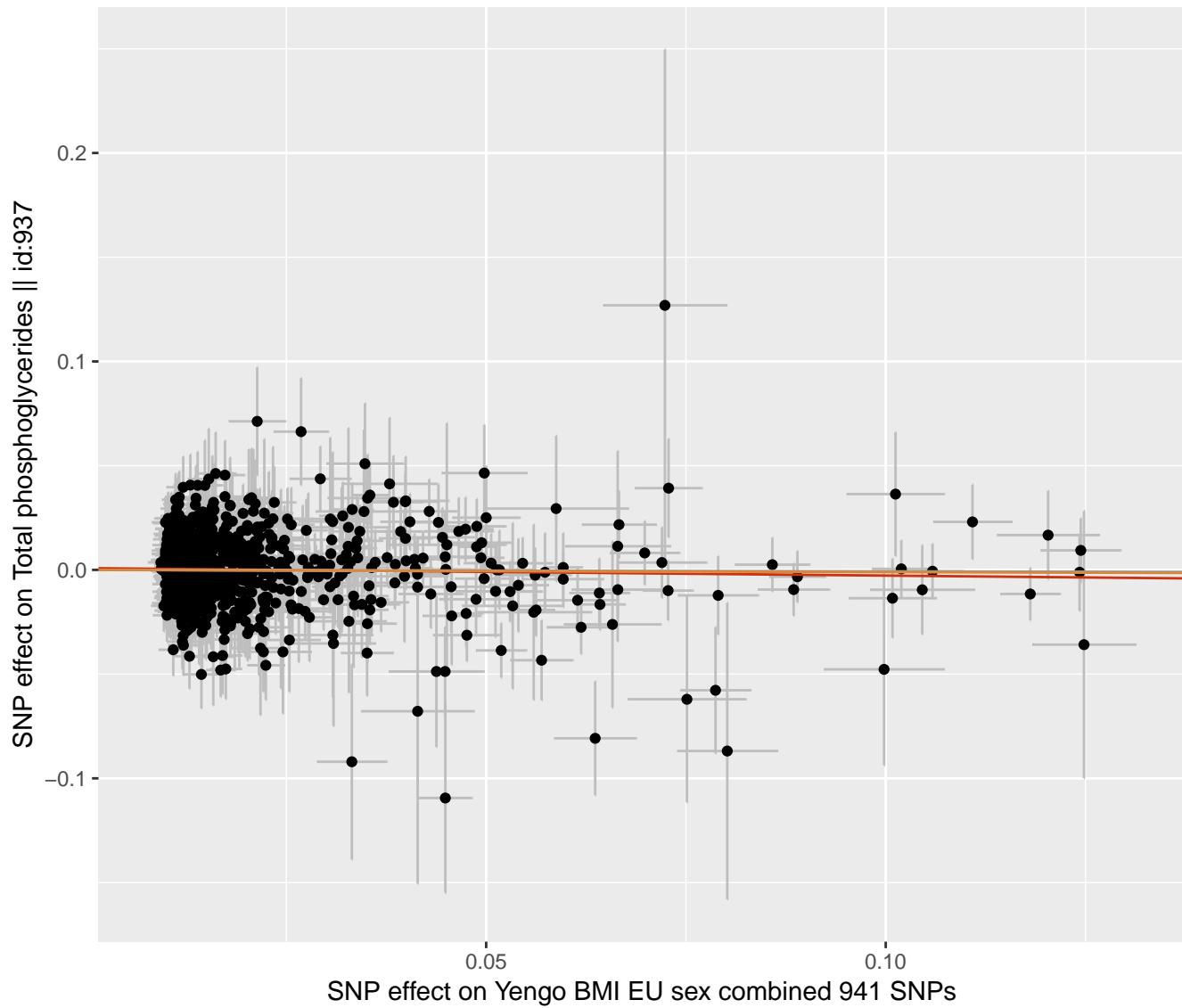
MR Egger



Weighted median

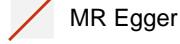


Weighted mode

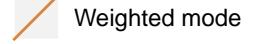


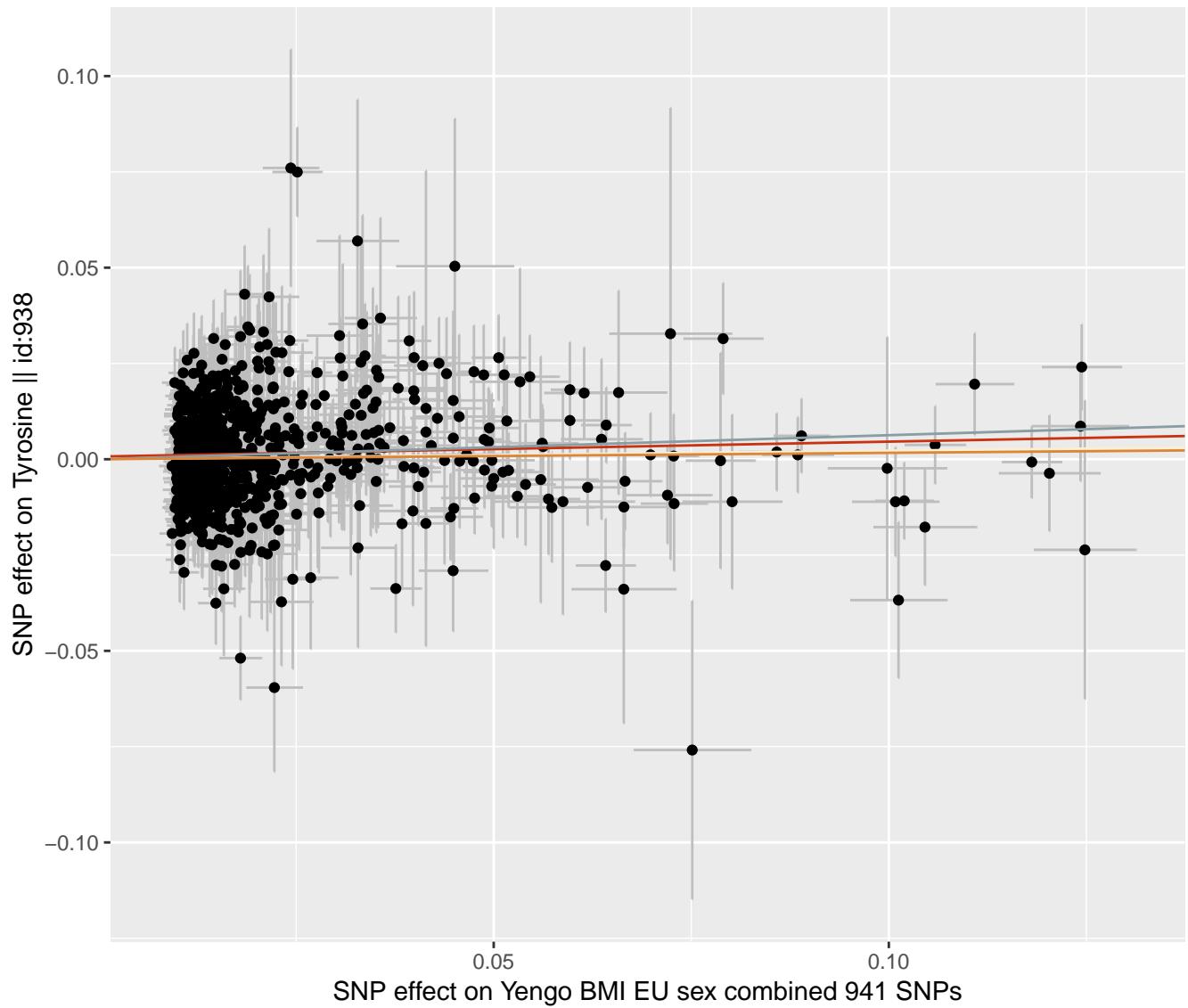
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



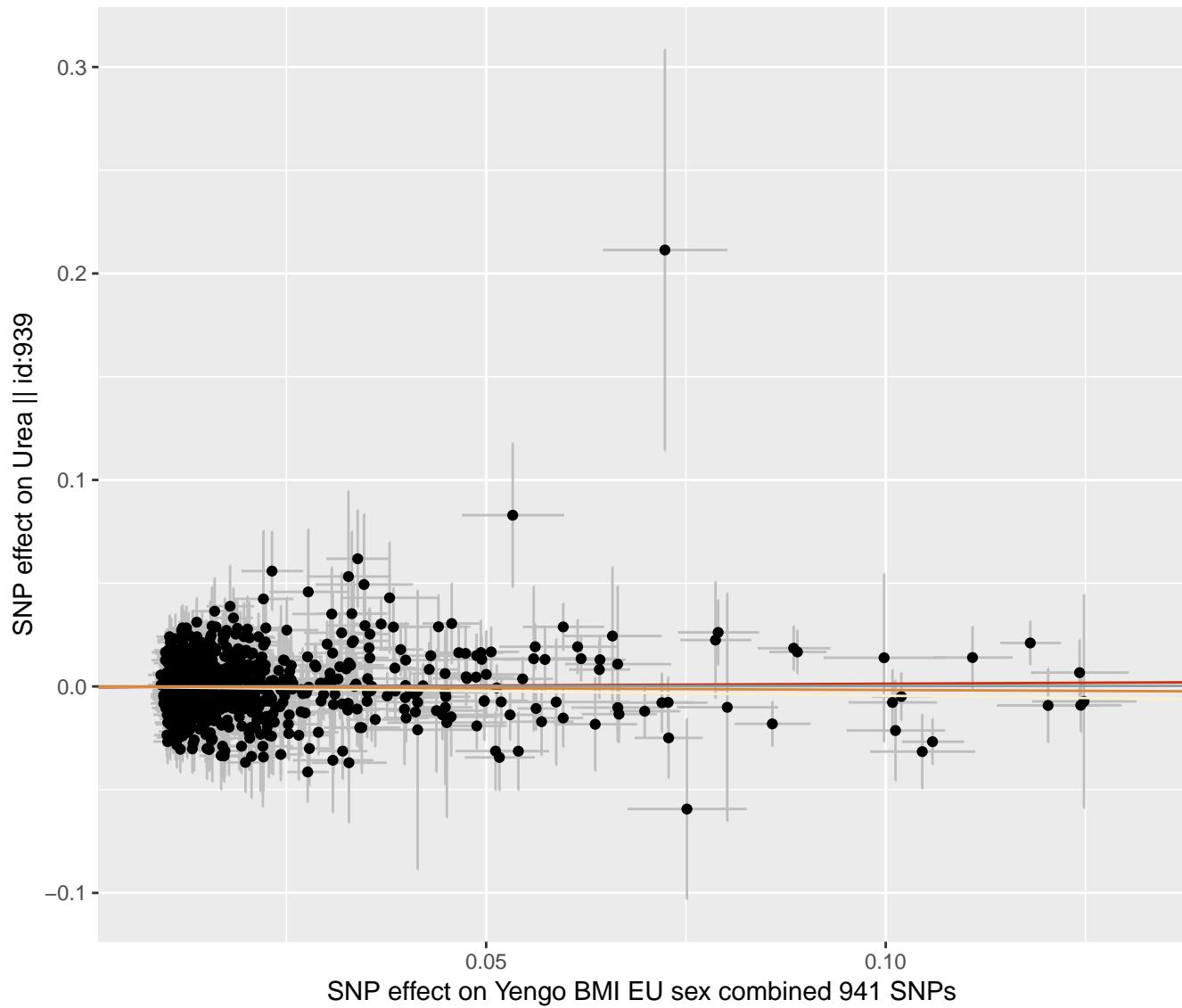
MR Egger



Weighted median



Weighted mode



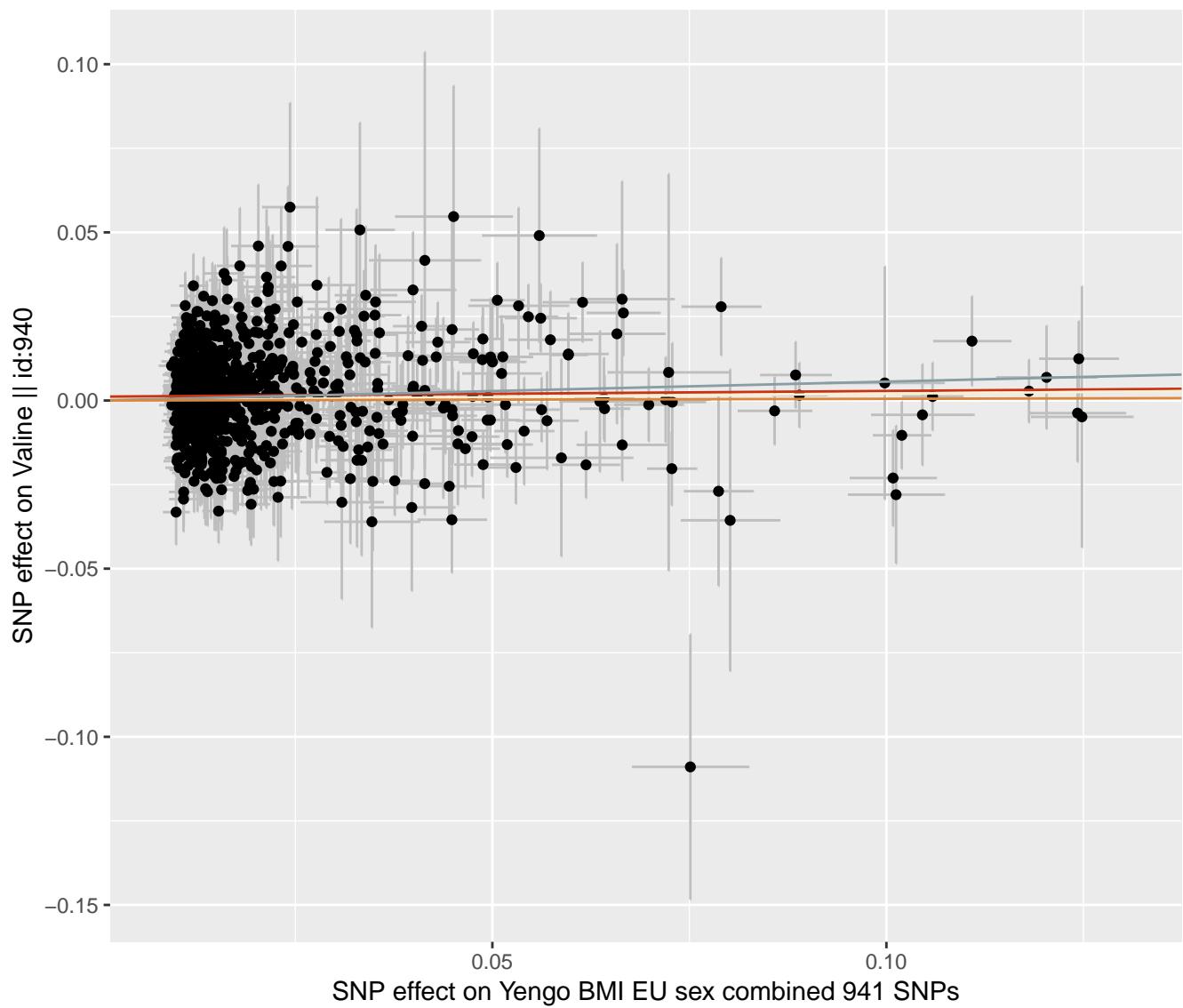
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

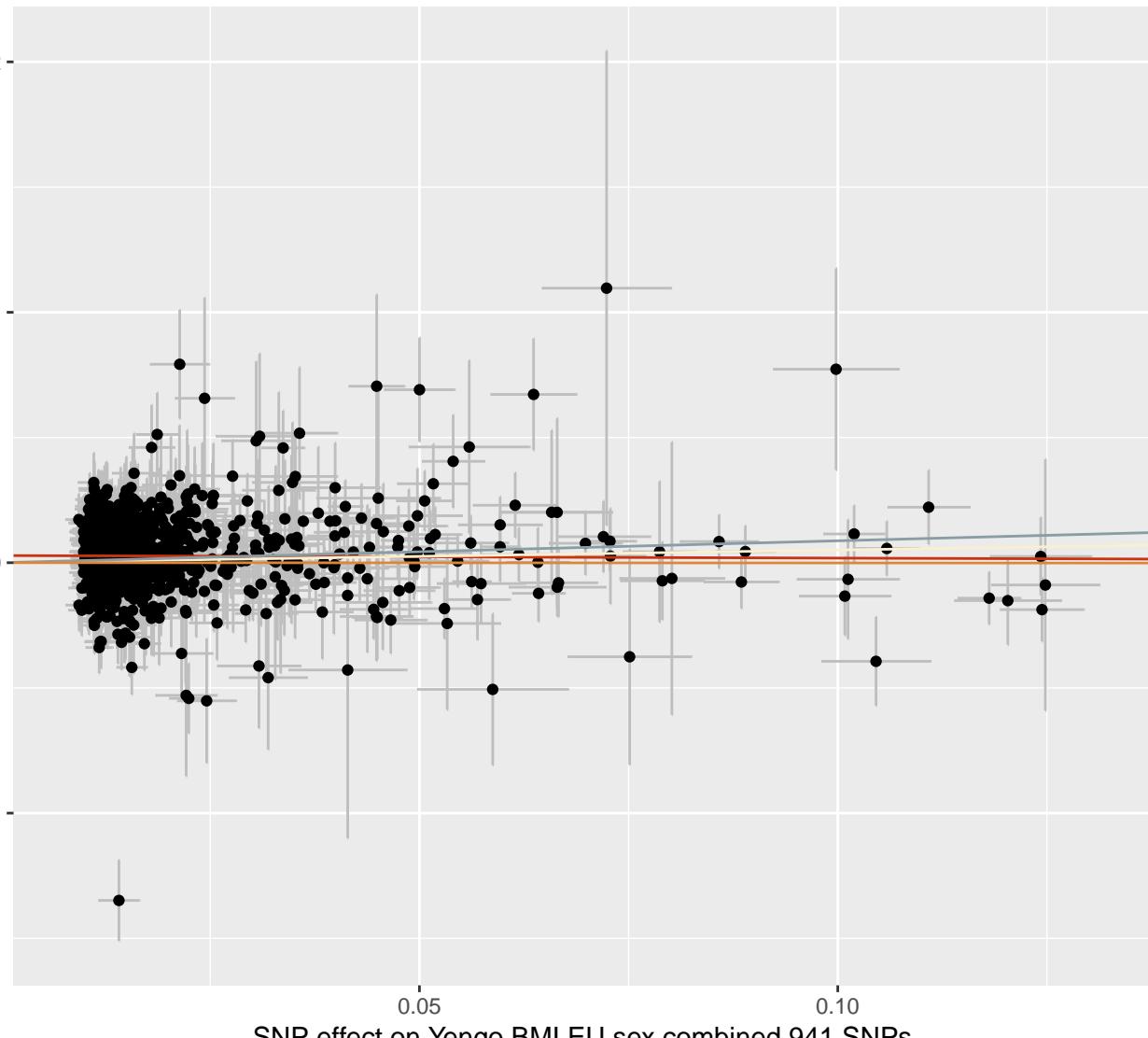


Weighted median



Weighted mode

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



## MR Test



Inverse variance weighted (multiplicative random effects)



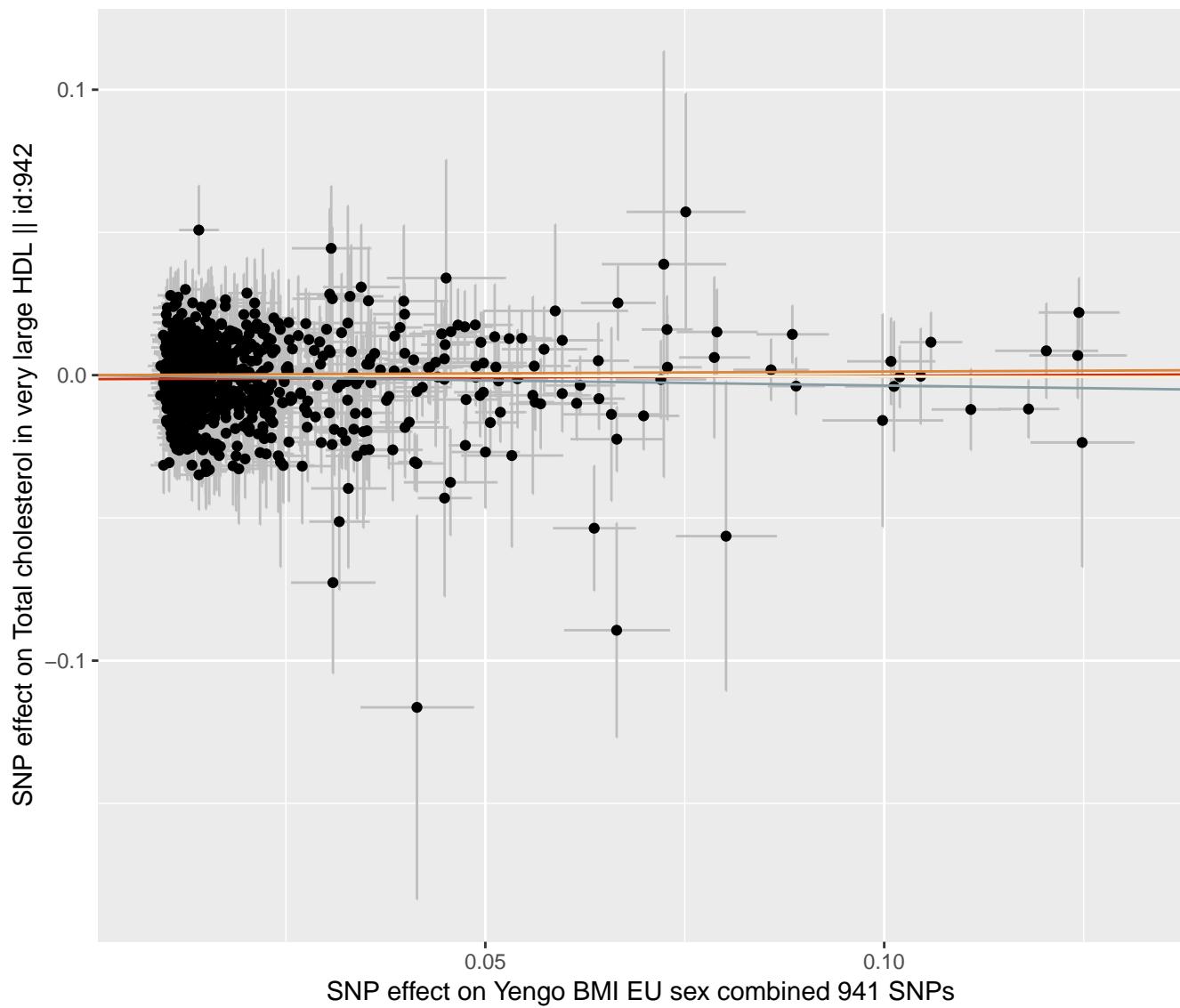
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



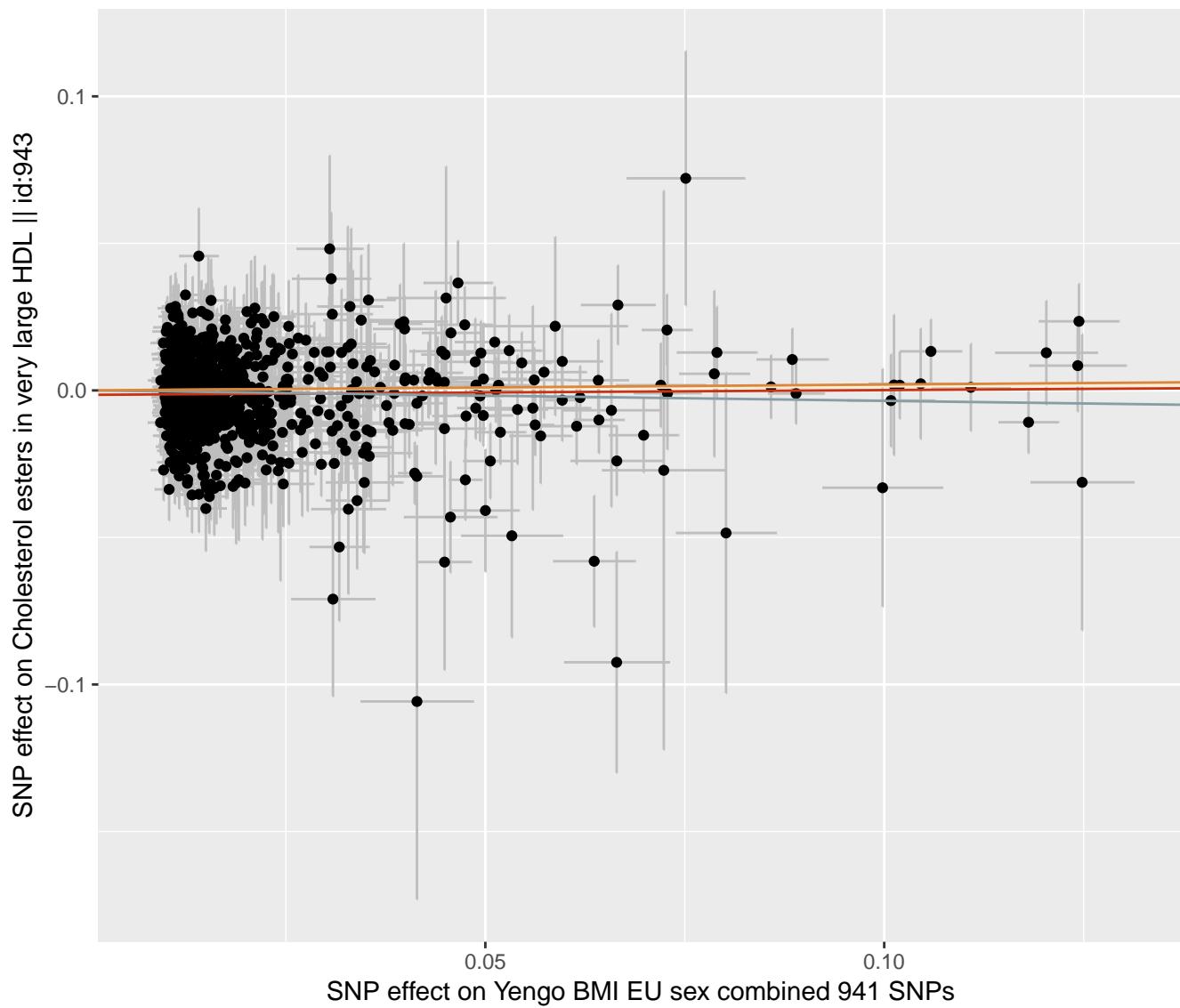
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

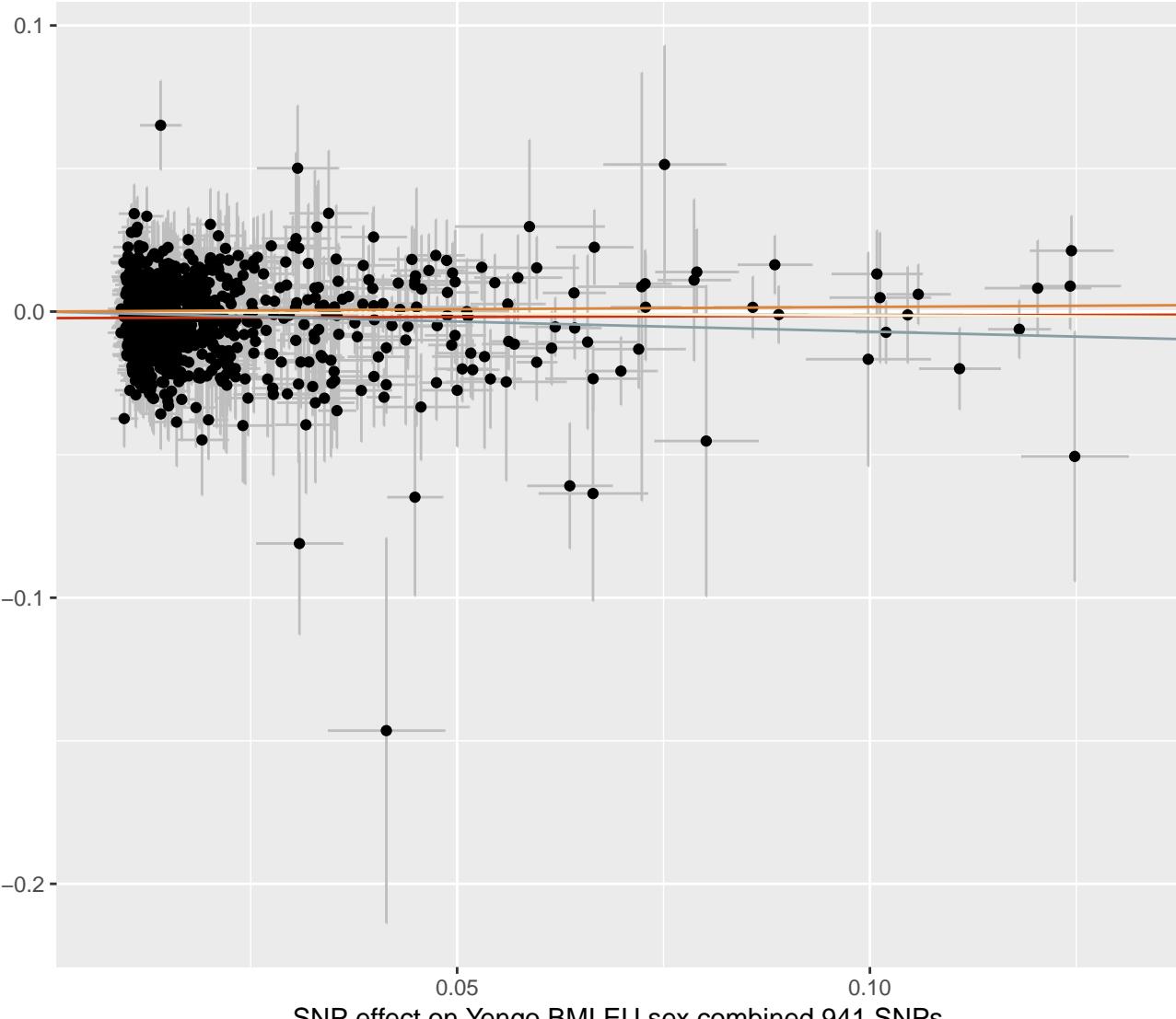


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



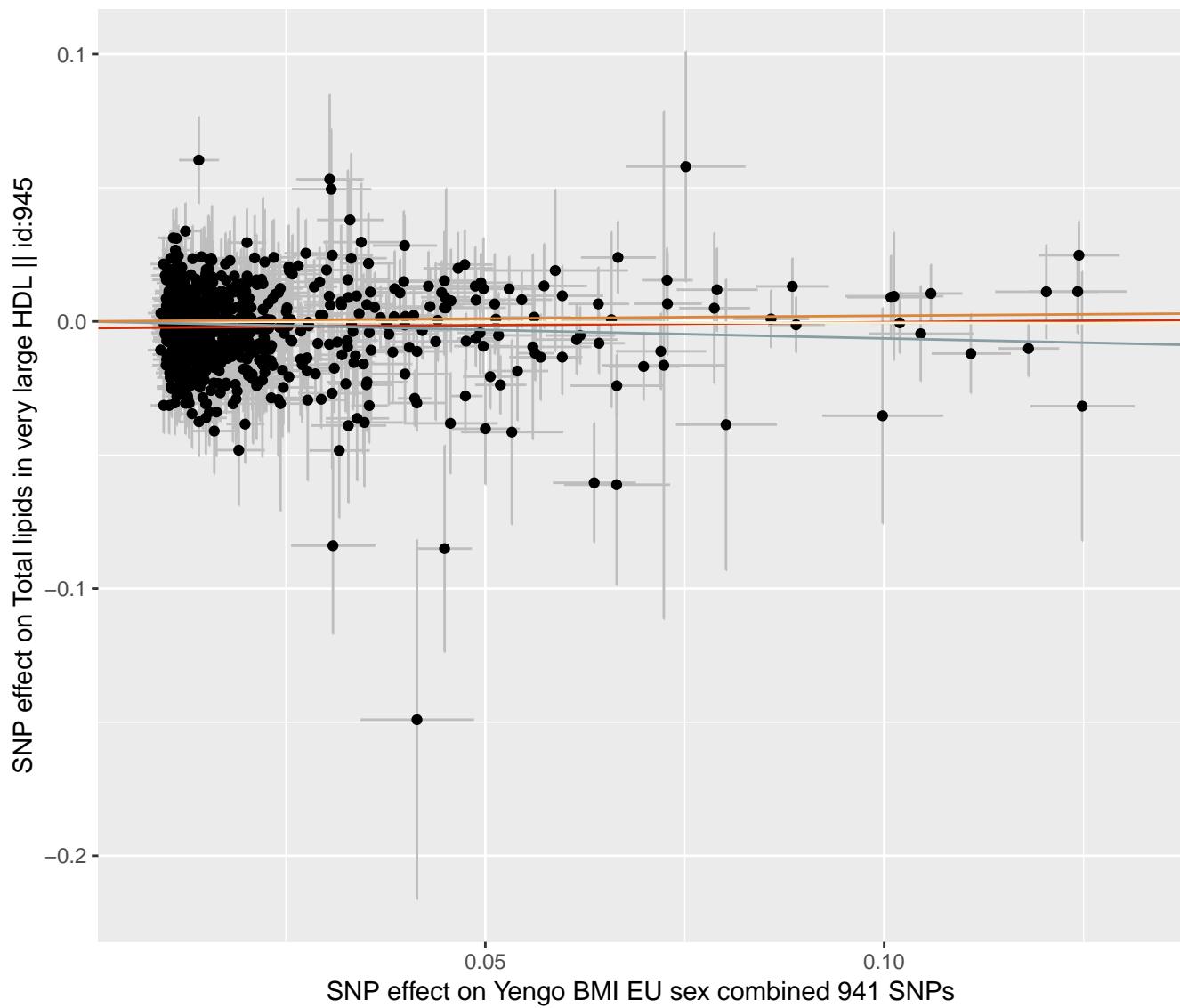
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

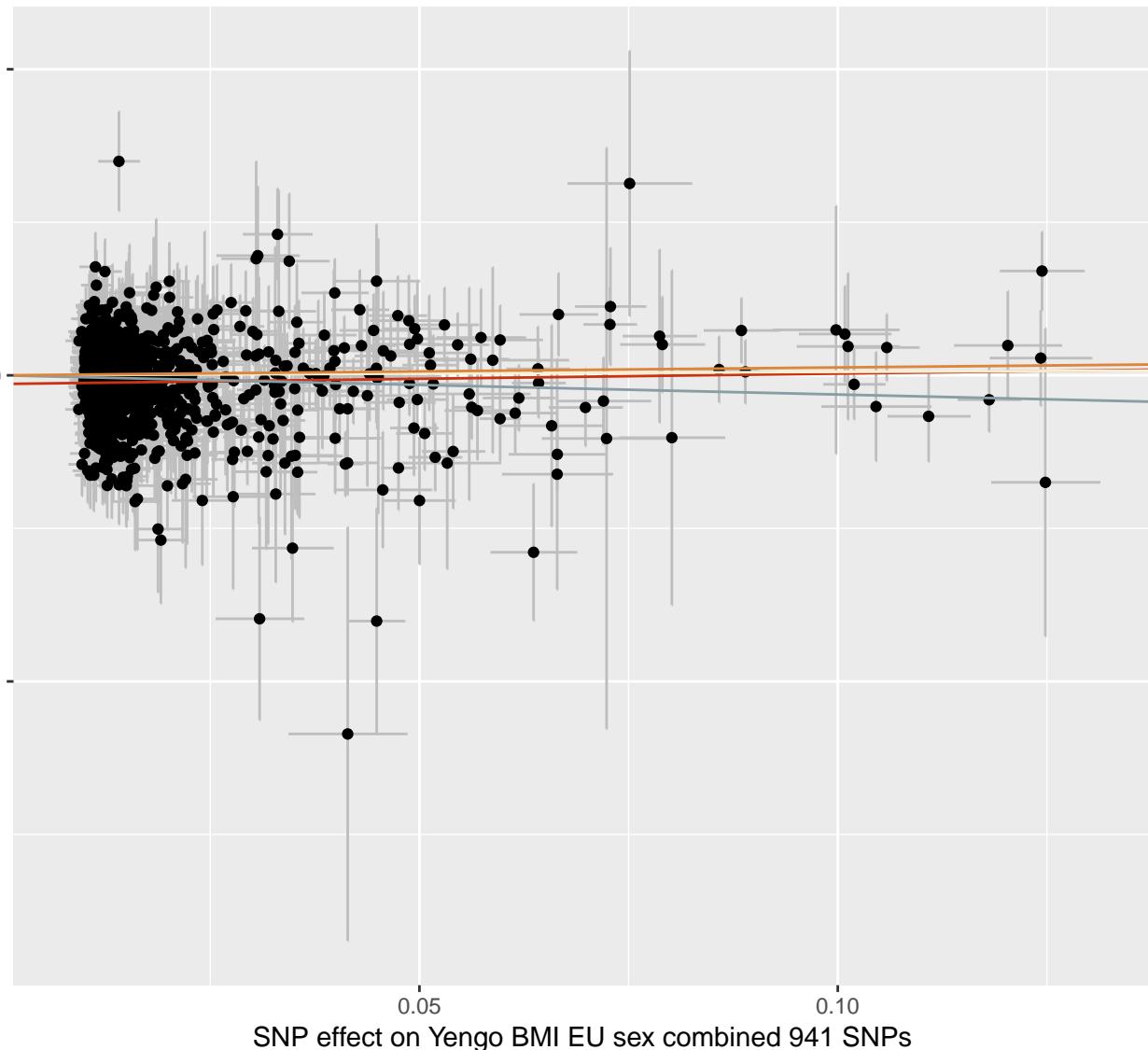


Weighted median



Weighted mode

SNP effect on Concentration of very large HDL particles || id:946



### MR Test



Inverse variance weighted (multiplicative random effects)



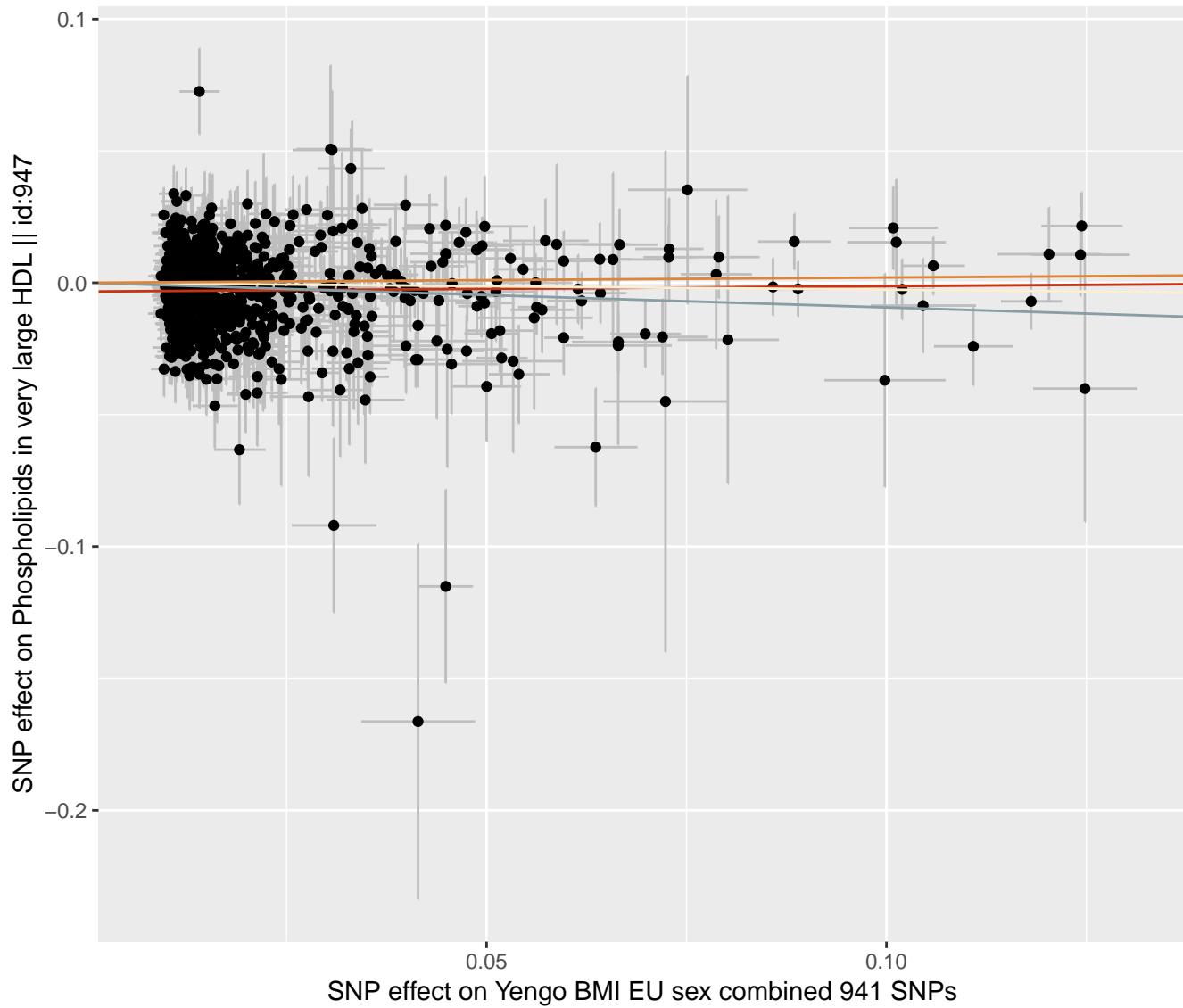
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



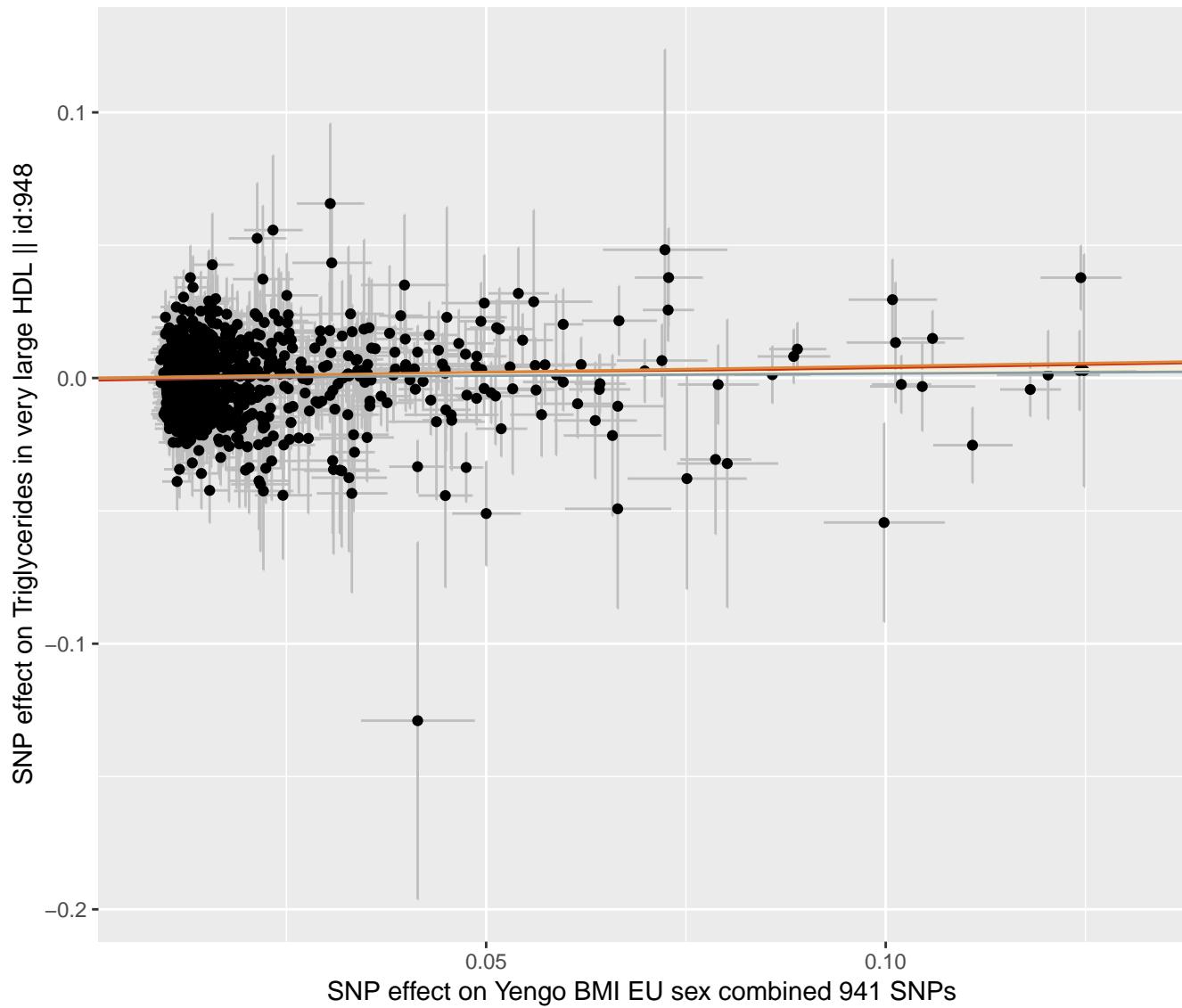
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

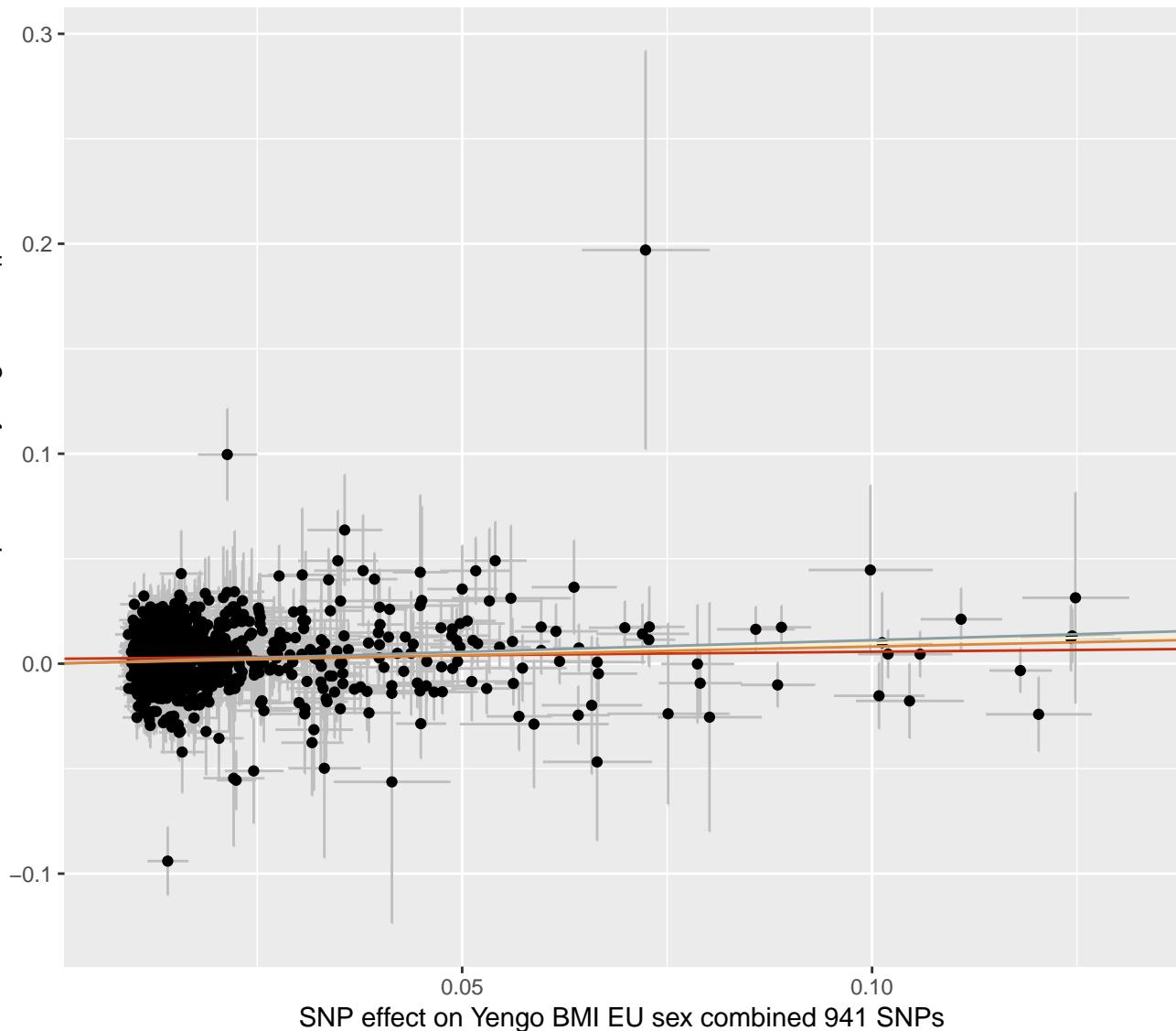


Weighted median



Weighted mode

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



### MR Test



Inverse variance weighted (multiplicative random effects)



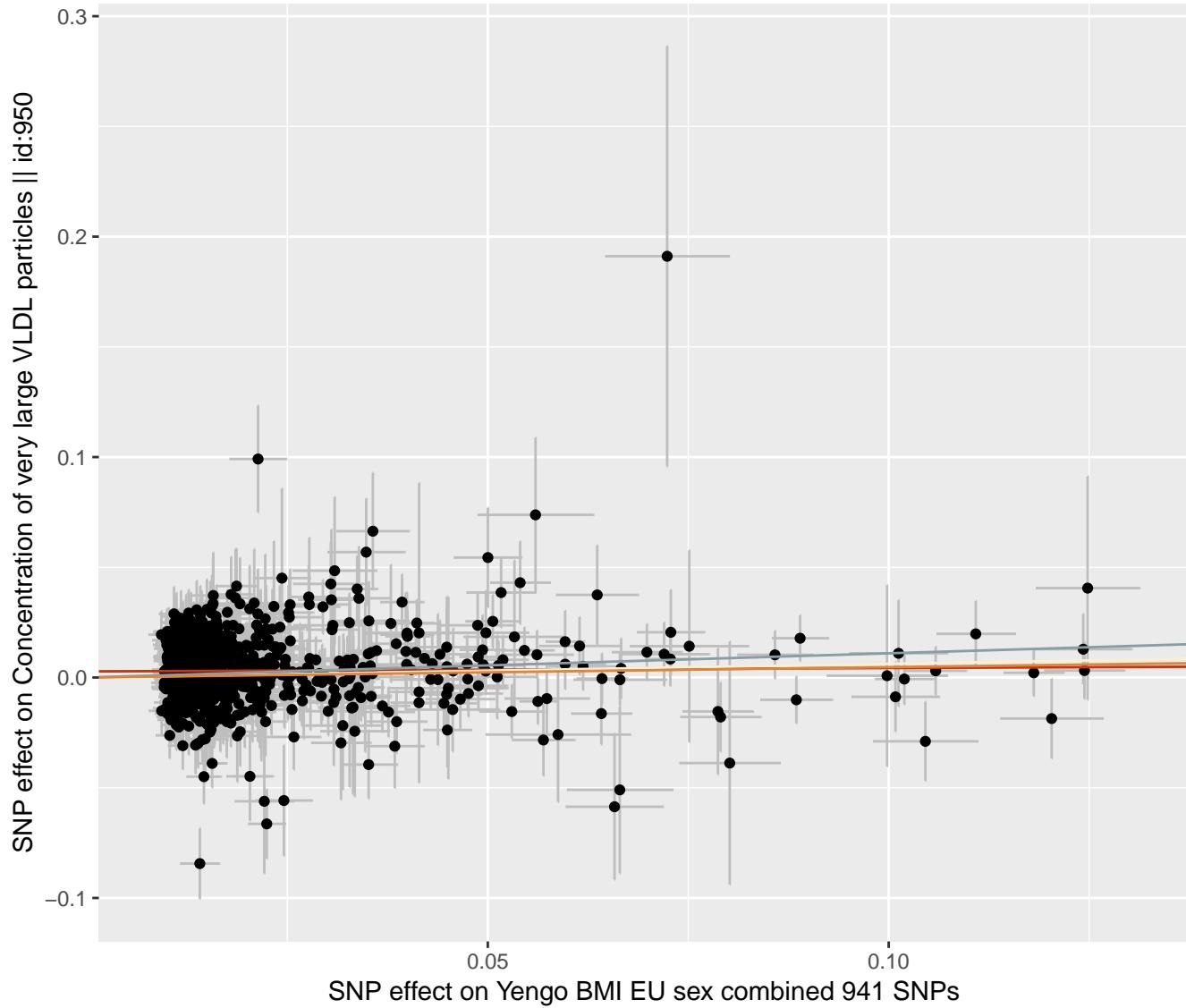
MR Egger



Weighted median



Weighted mode



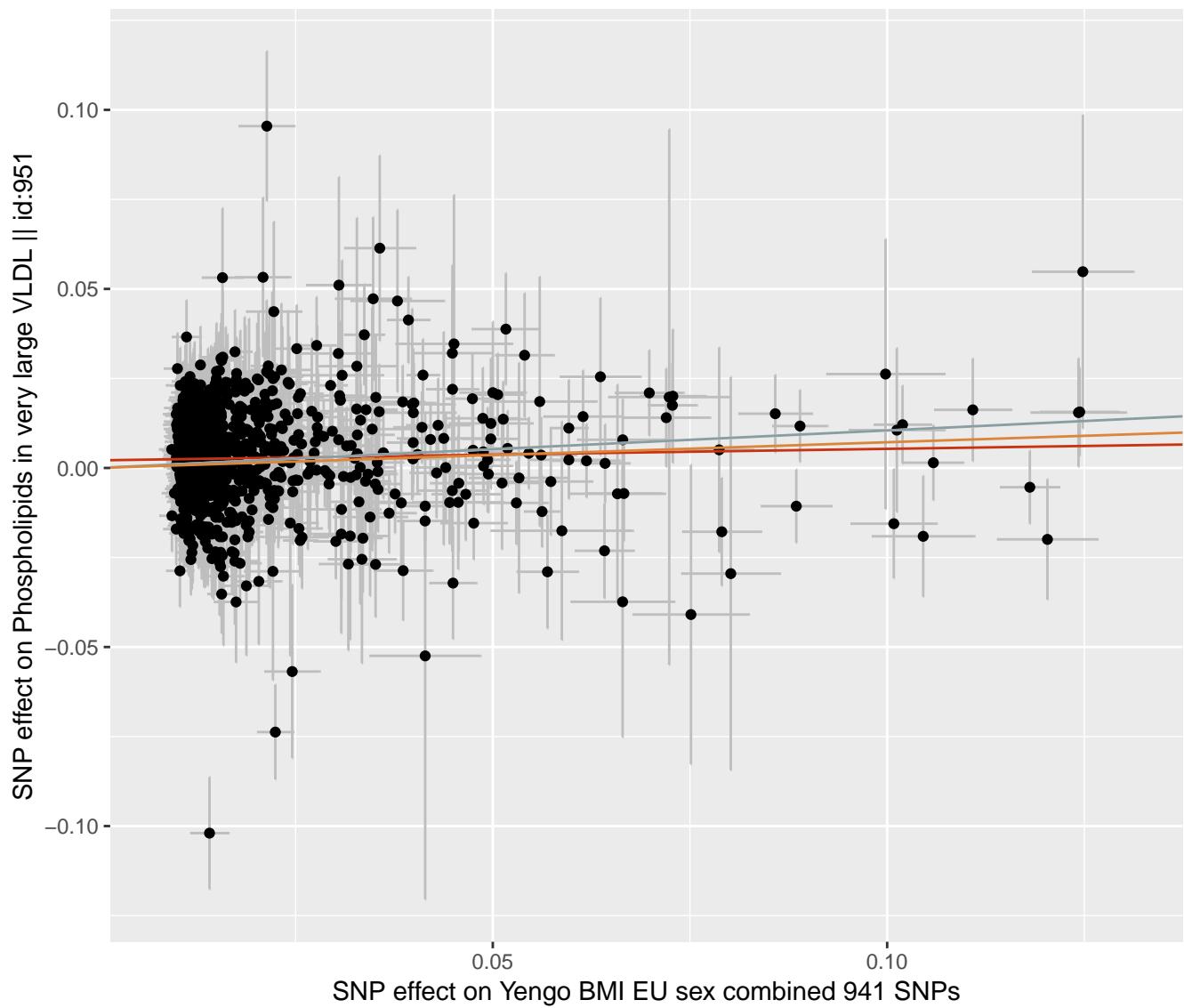
### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



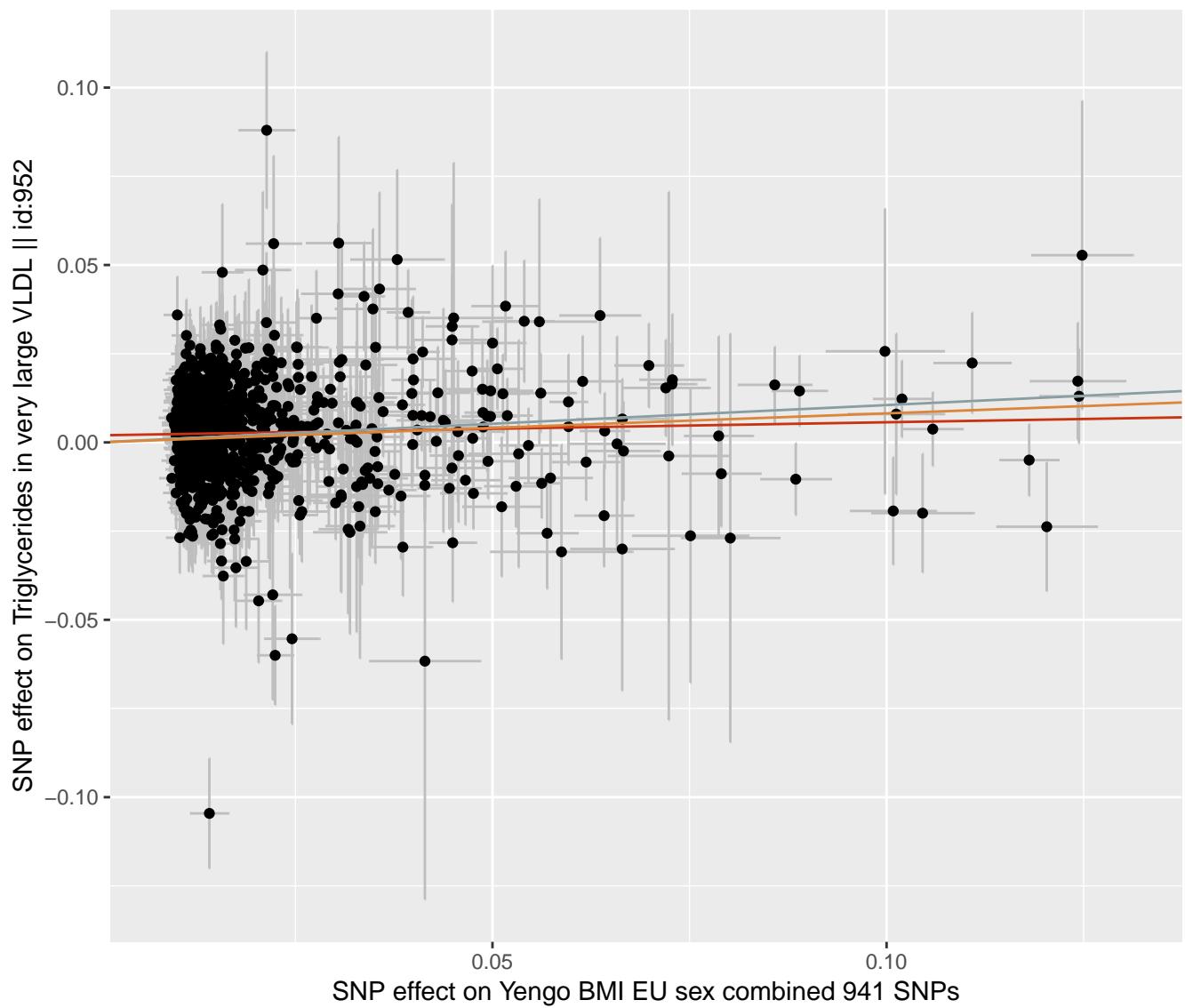
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



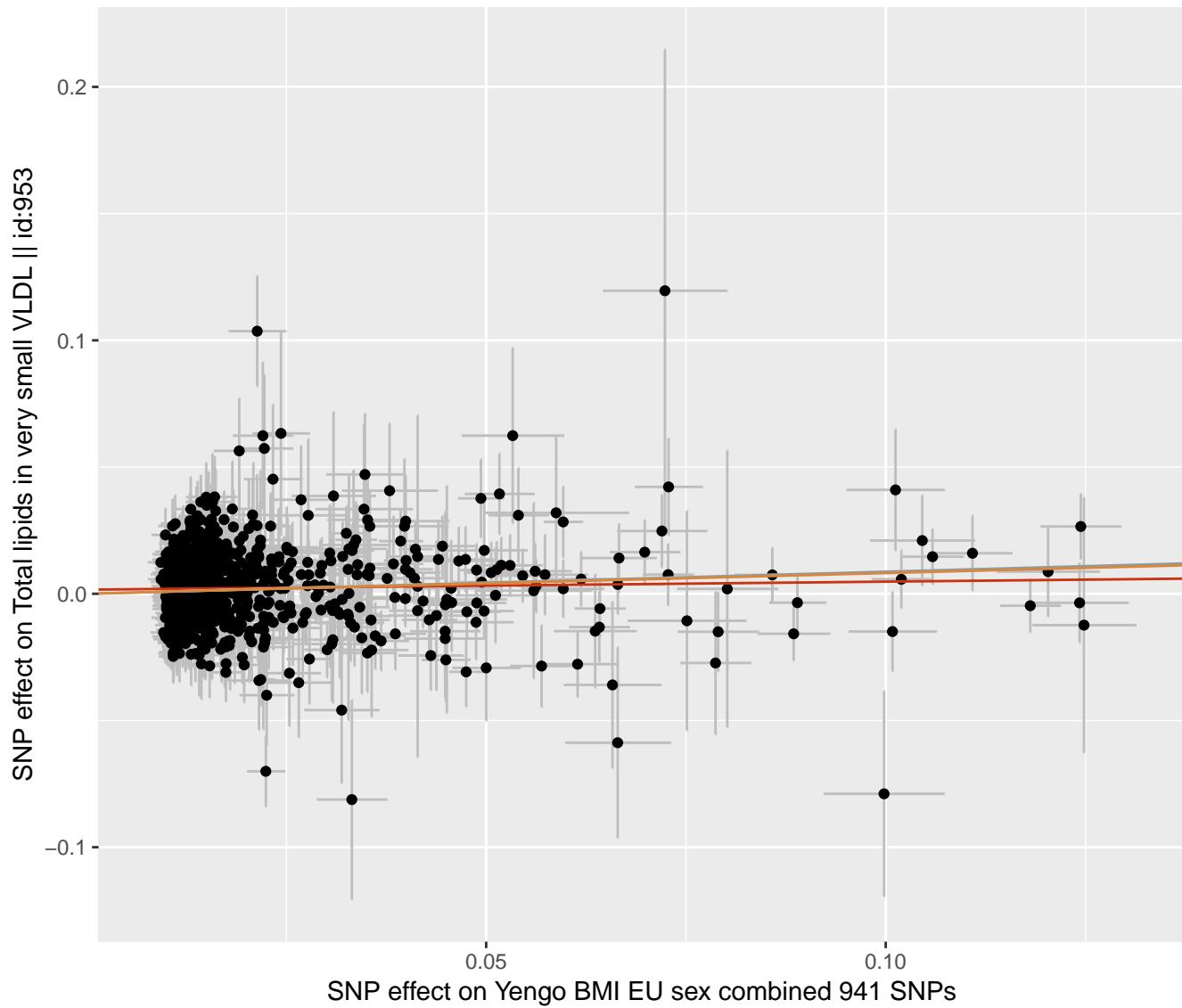
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

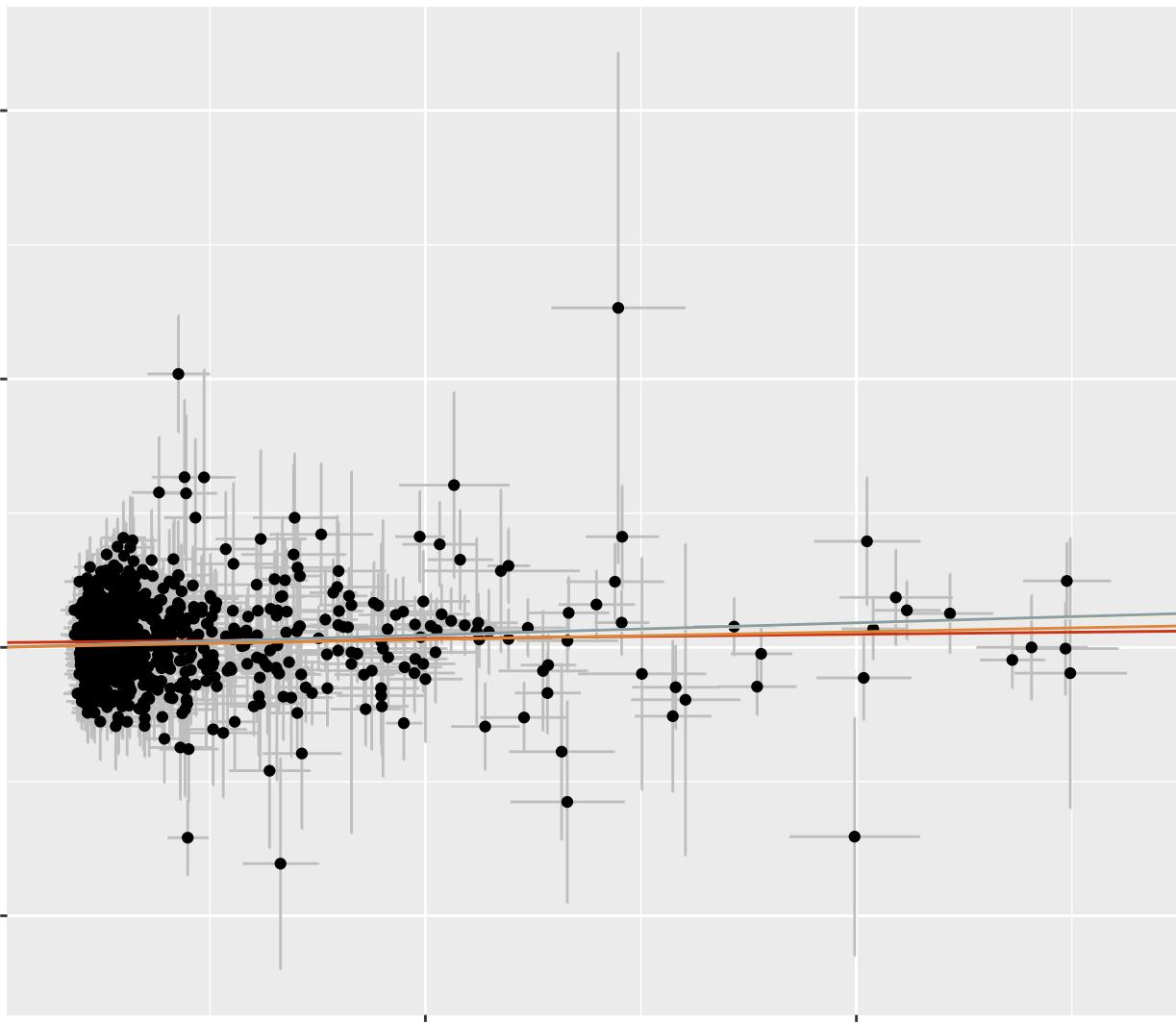


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

### MR Test



Inverse variance weighted (multiplicative random effects)



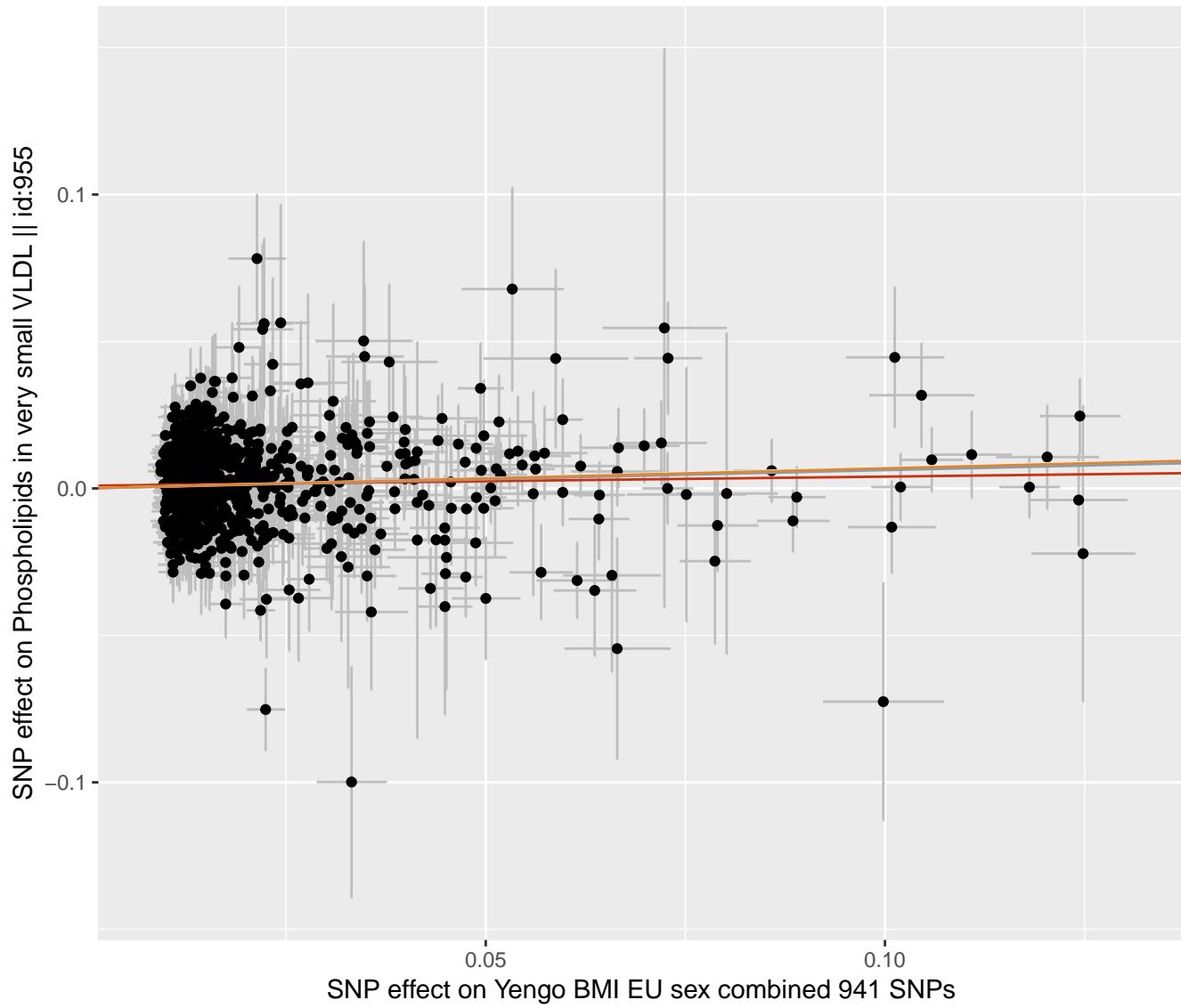
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



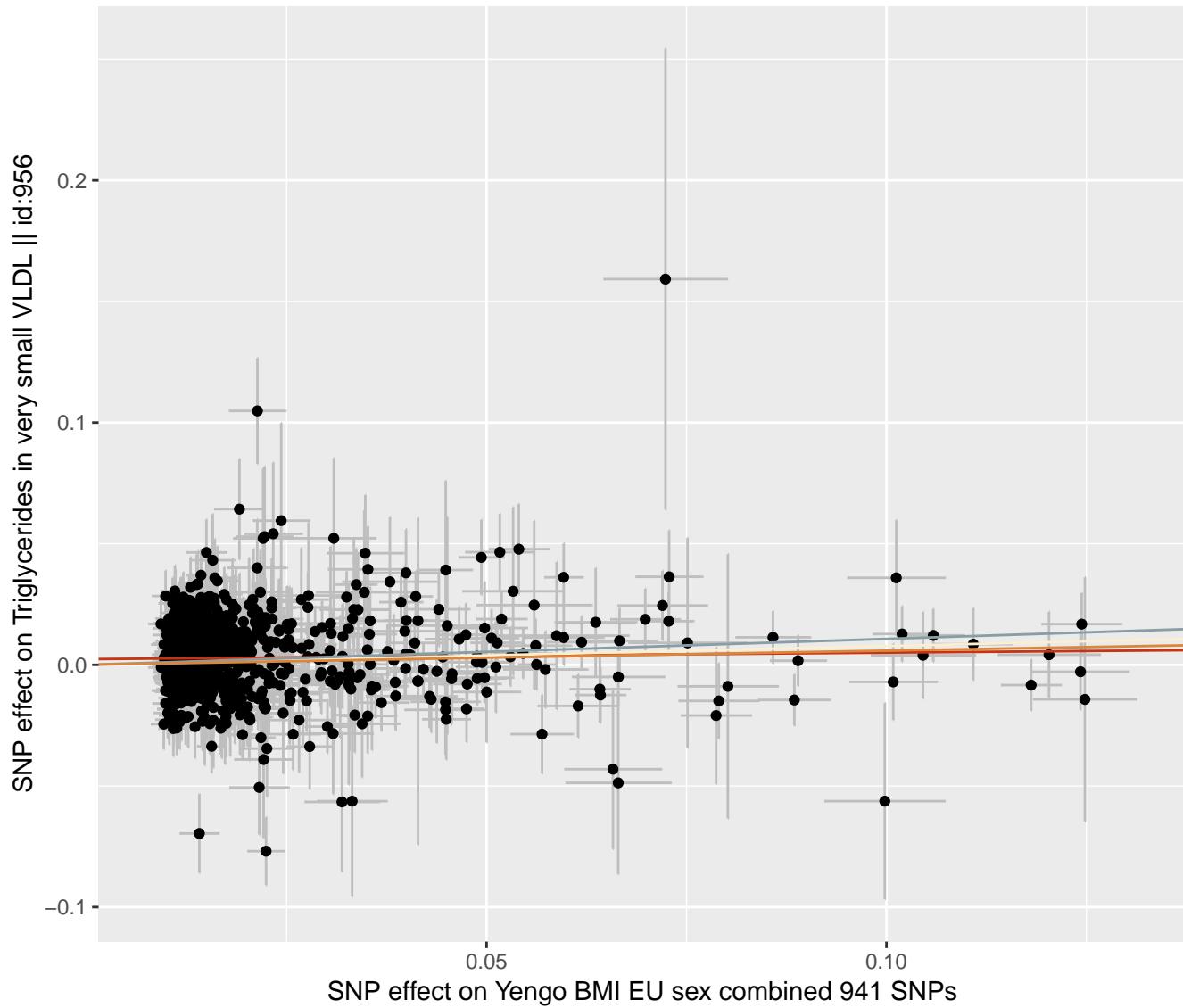
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

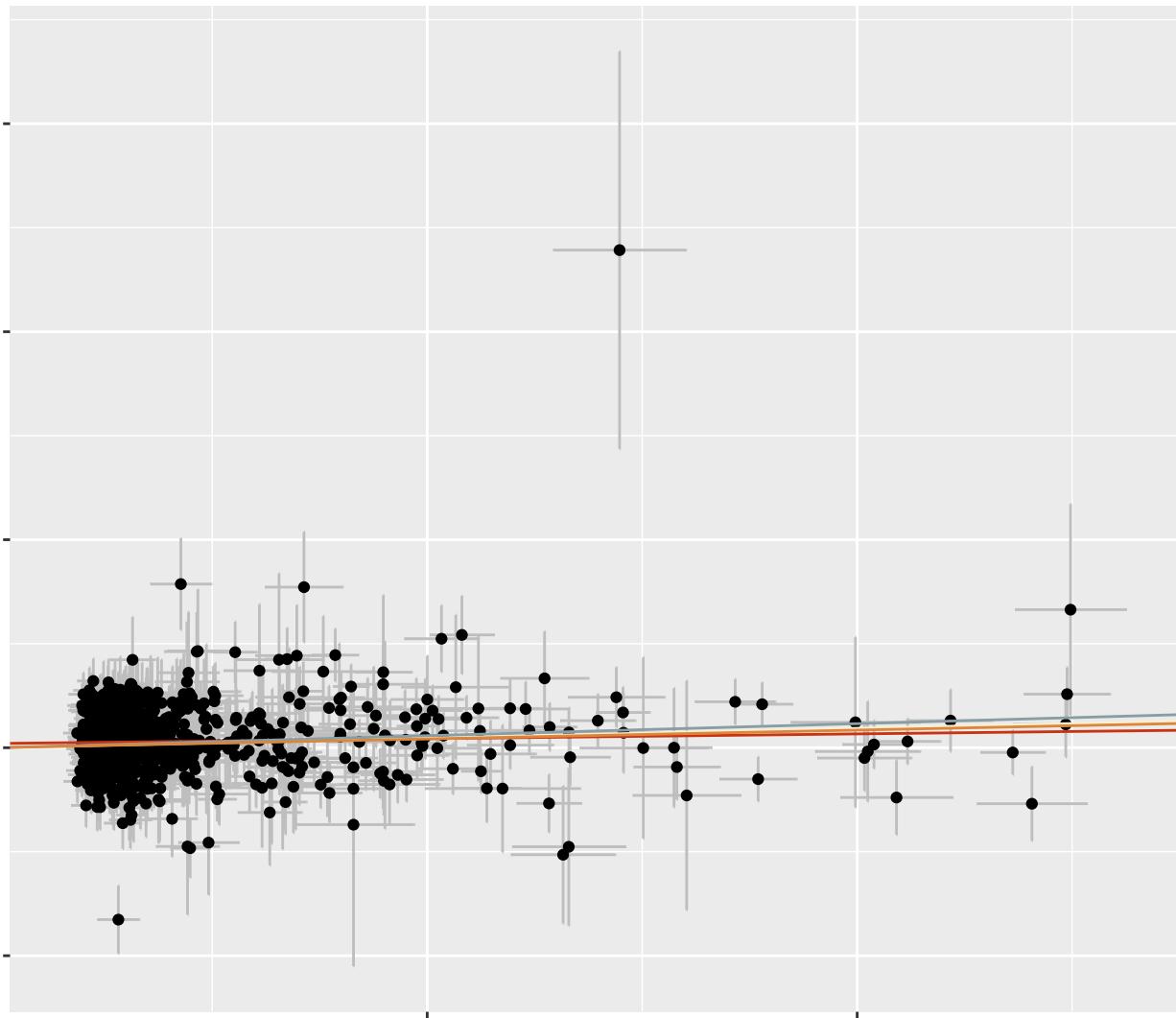


Weighted median



Weighted mode

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



SNP effect on Yengo BMI EU sex combined 941 SNPs

### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

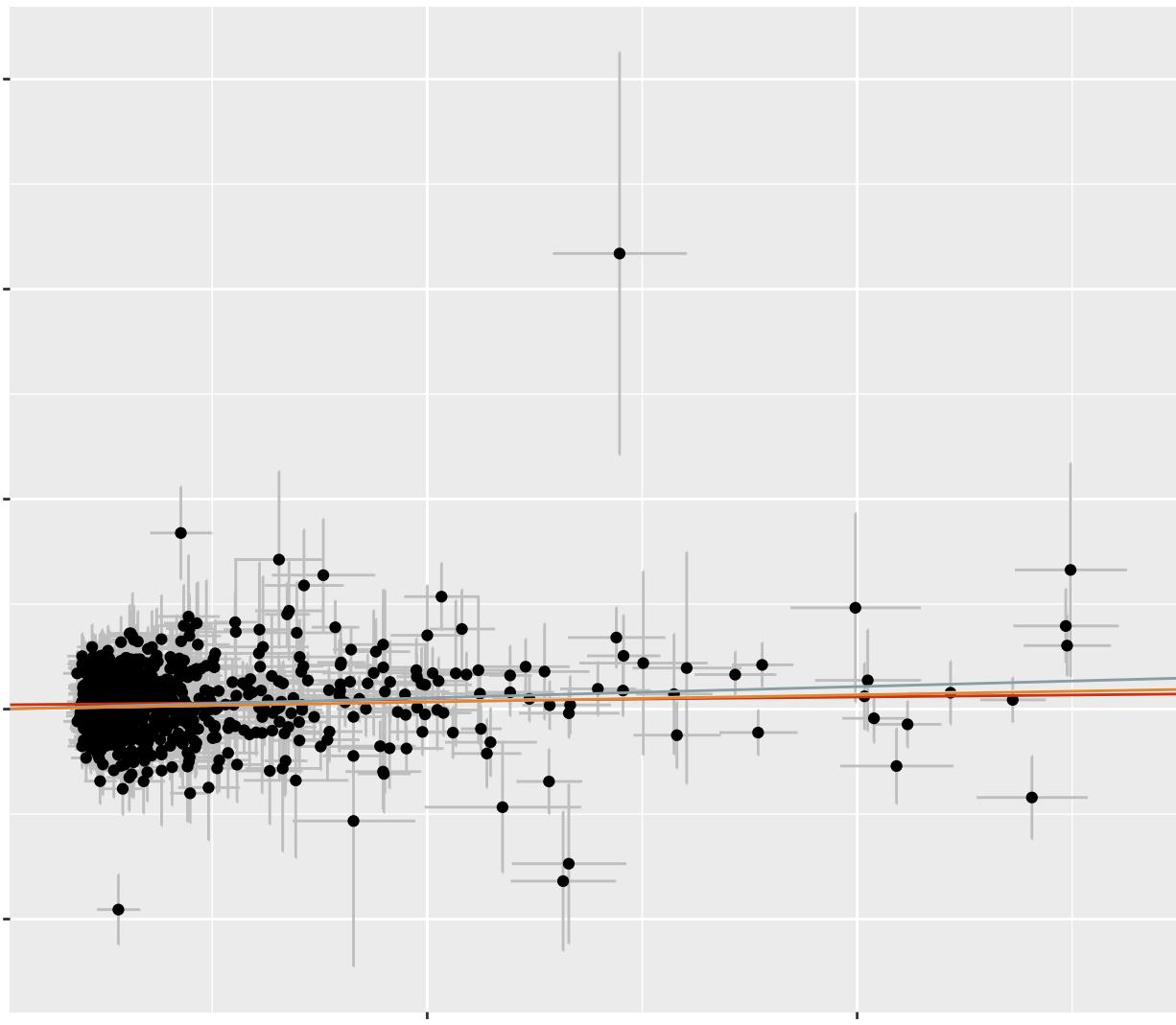


Weighted median



Weighted mode

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



### MR Test

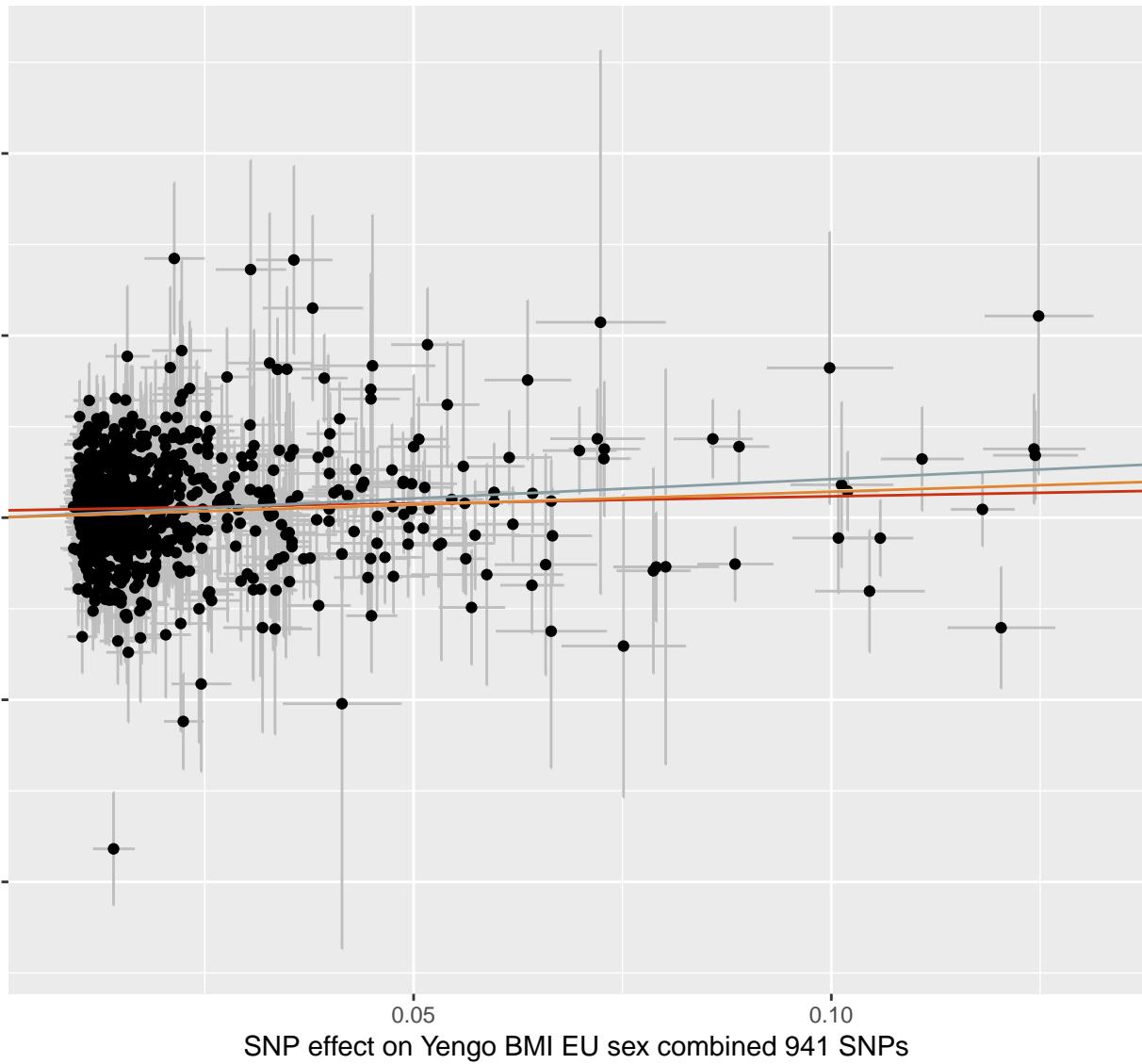
 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode

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



### MR Test

 Inverse variance weighted (multiplicative random effects)

 MR Egger

 Weighted median

 Weighted mode

