

# MR Test



Inverse variance weighted (multiplicative random effects)



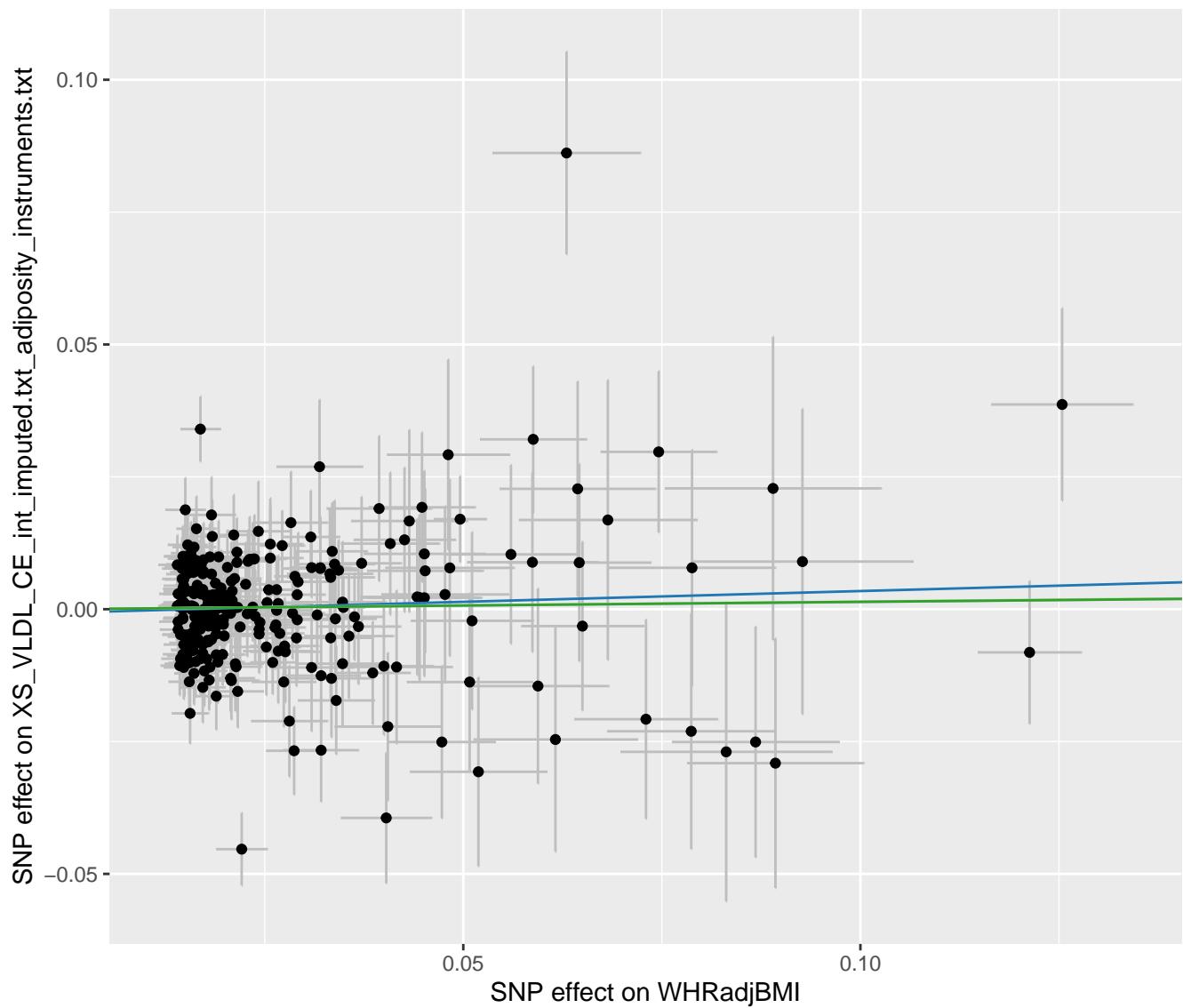
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



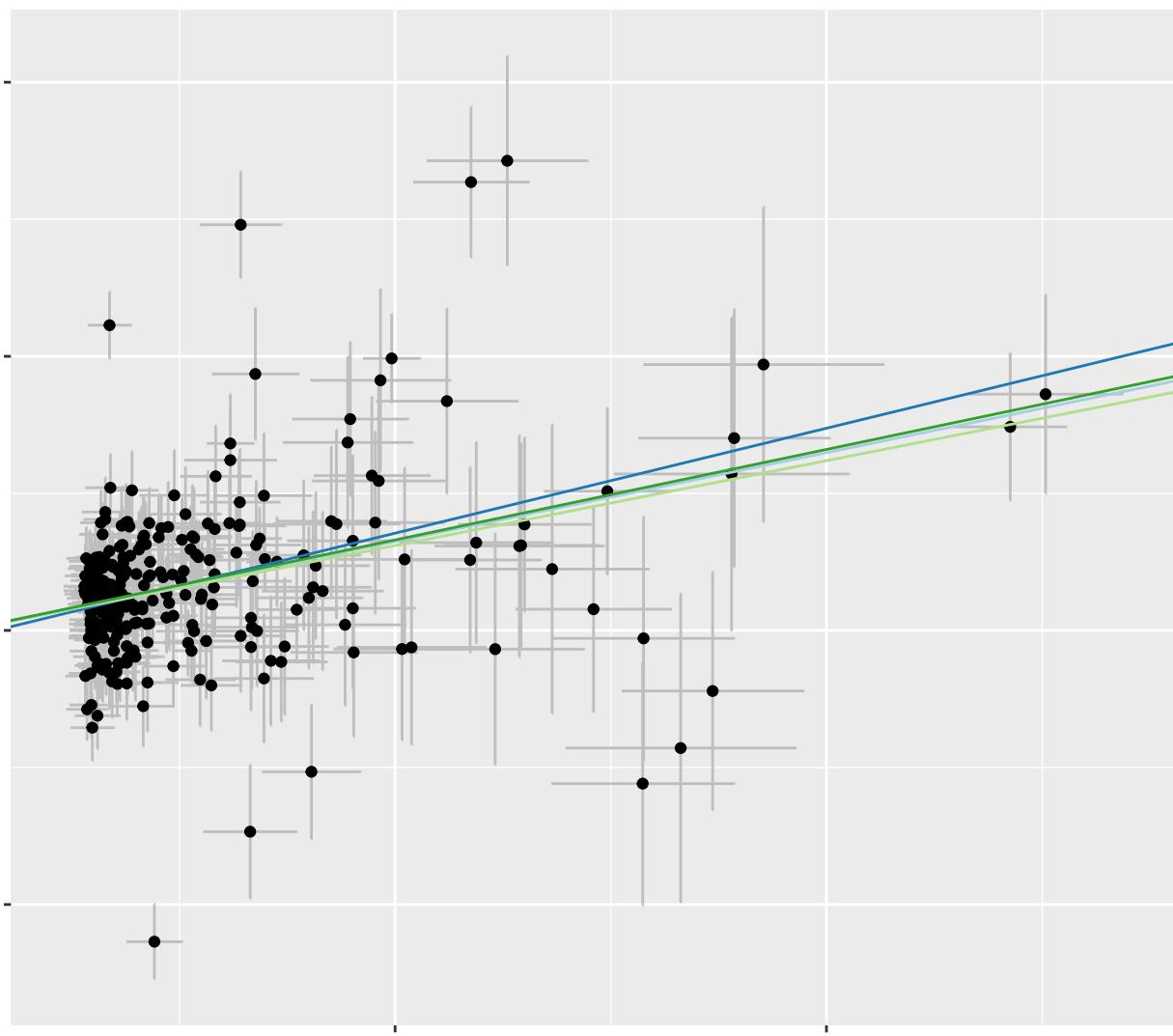
Weighted median



Weighted mode

SNP effect on VLDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



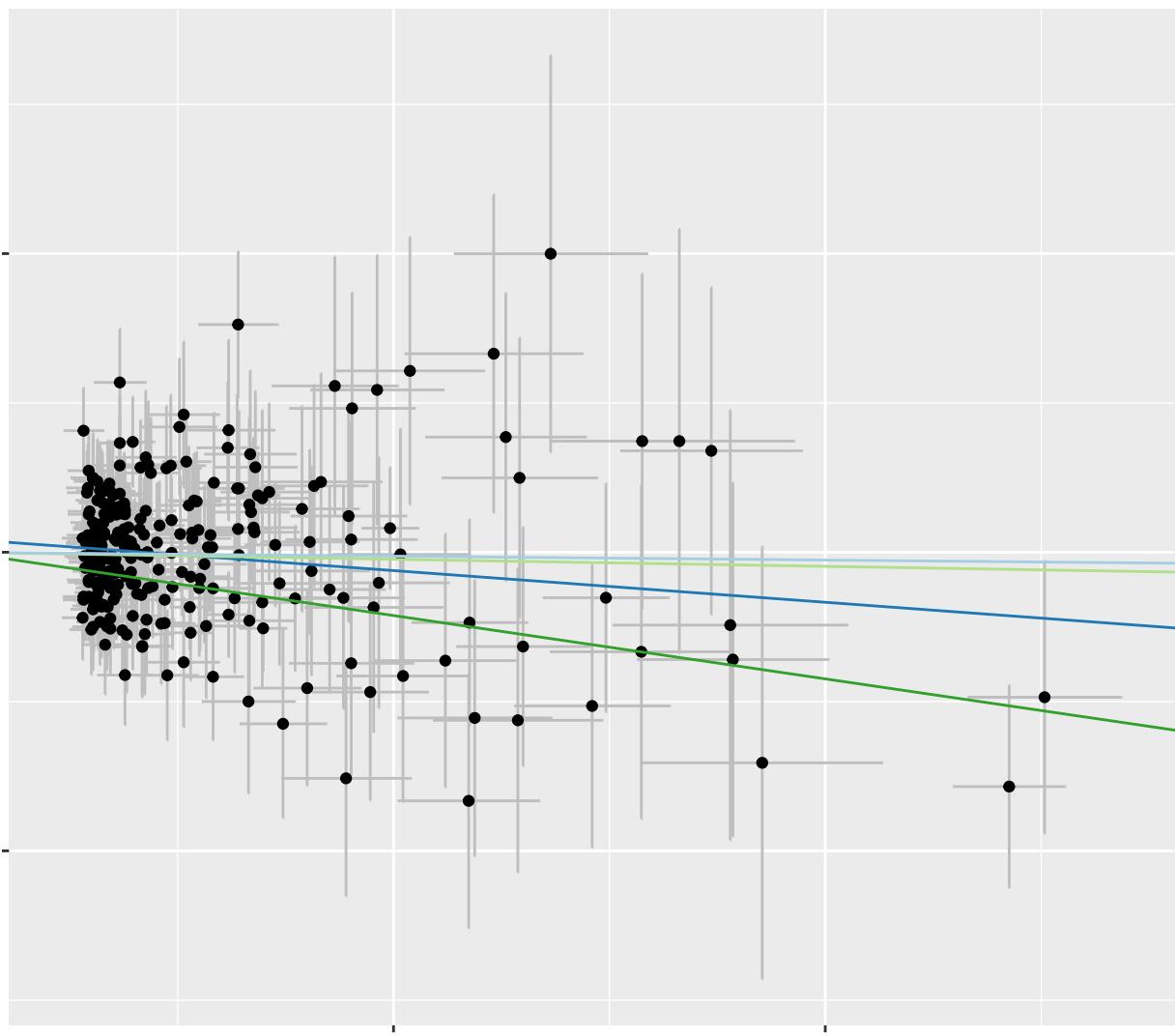
Weighted median



Weighted mode

SNP effect on Pyruvate\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



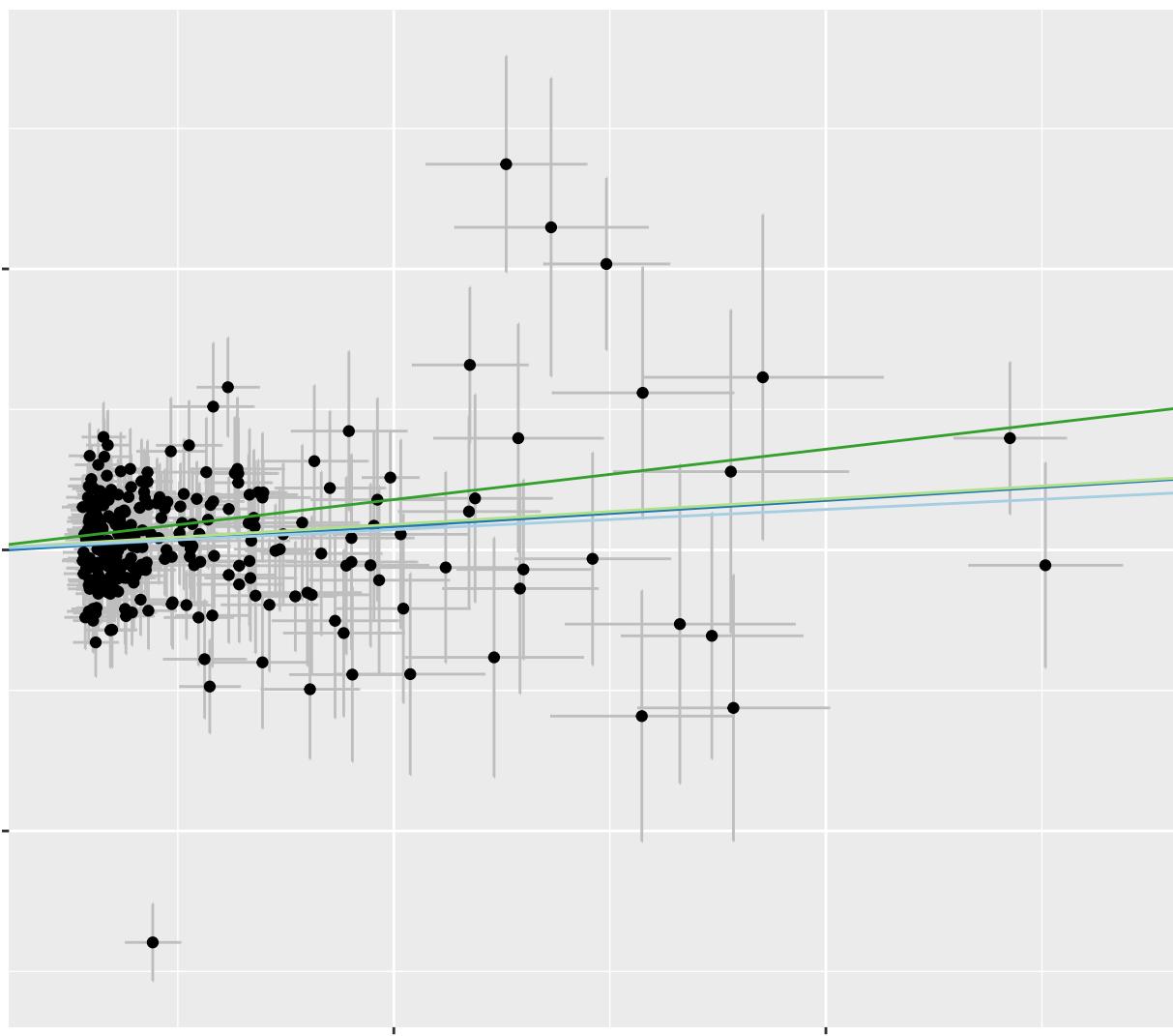
Weighted median



Weighted mode

SNP effect on M\_LDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



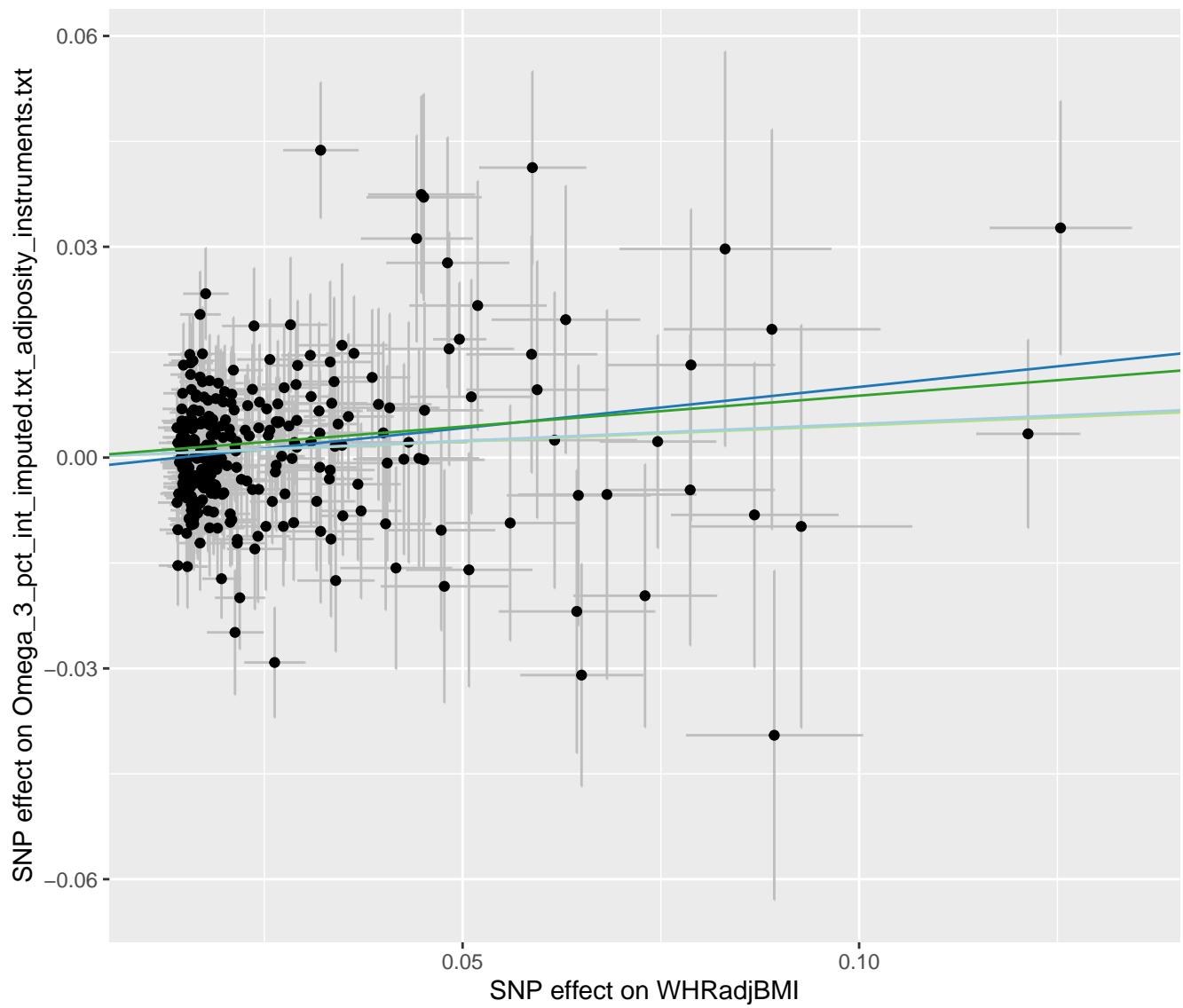
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



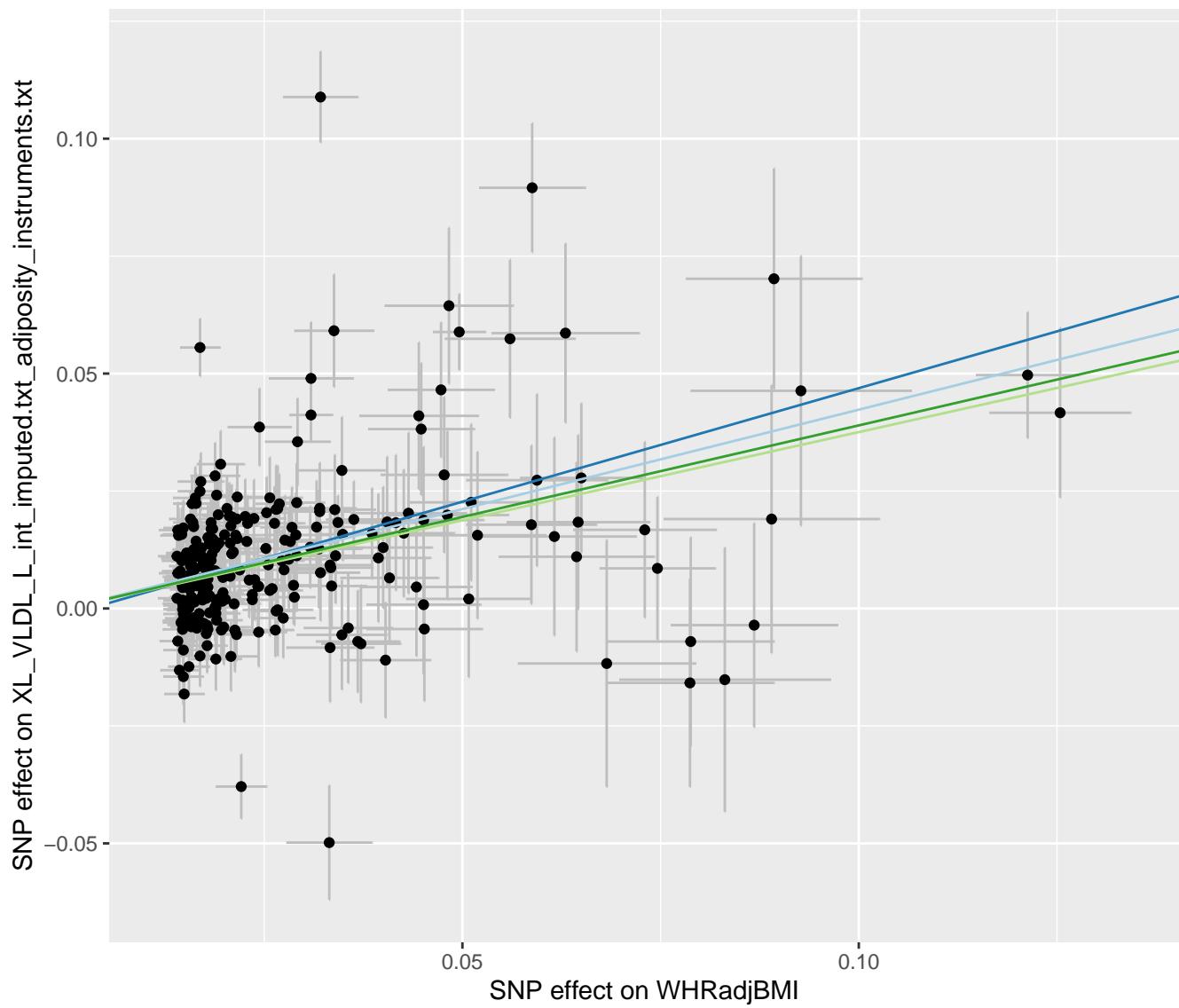
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



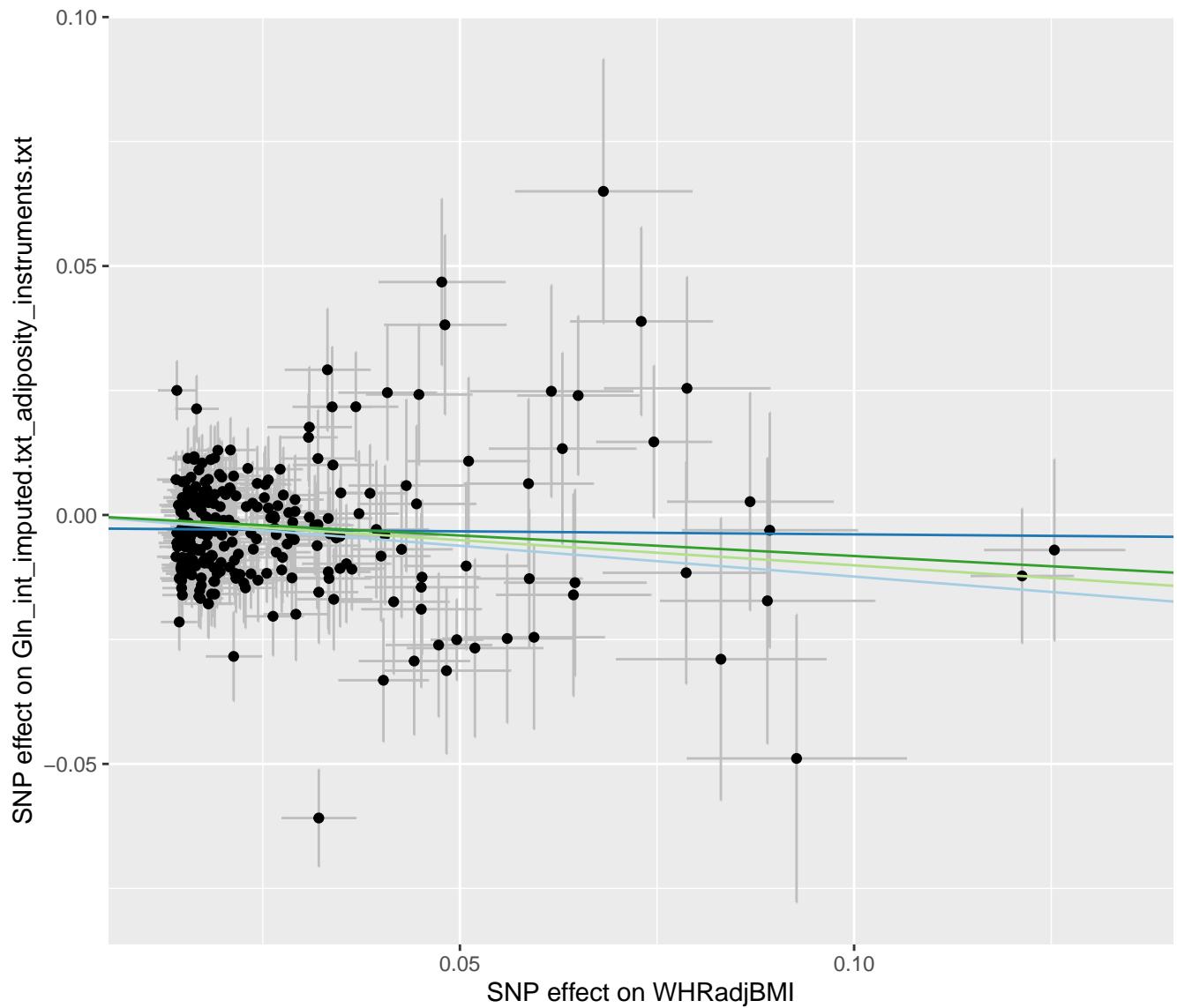
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



Weighted mode

SNP effect on L\_HDL\_CE\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI

0.05  
0.00  
-0.05  
-0.10

0.05  
0.00  
-0.05  
-0.10

### MR Test



Inverse variance weighted (multiplicative random effects)



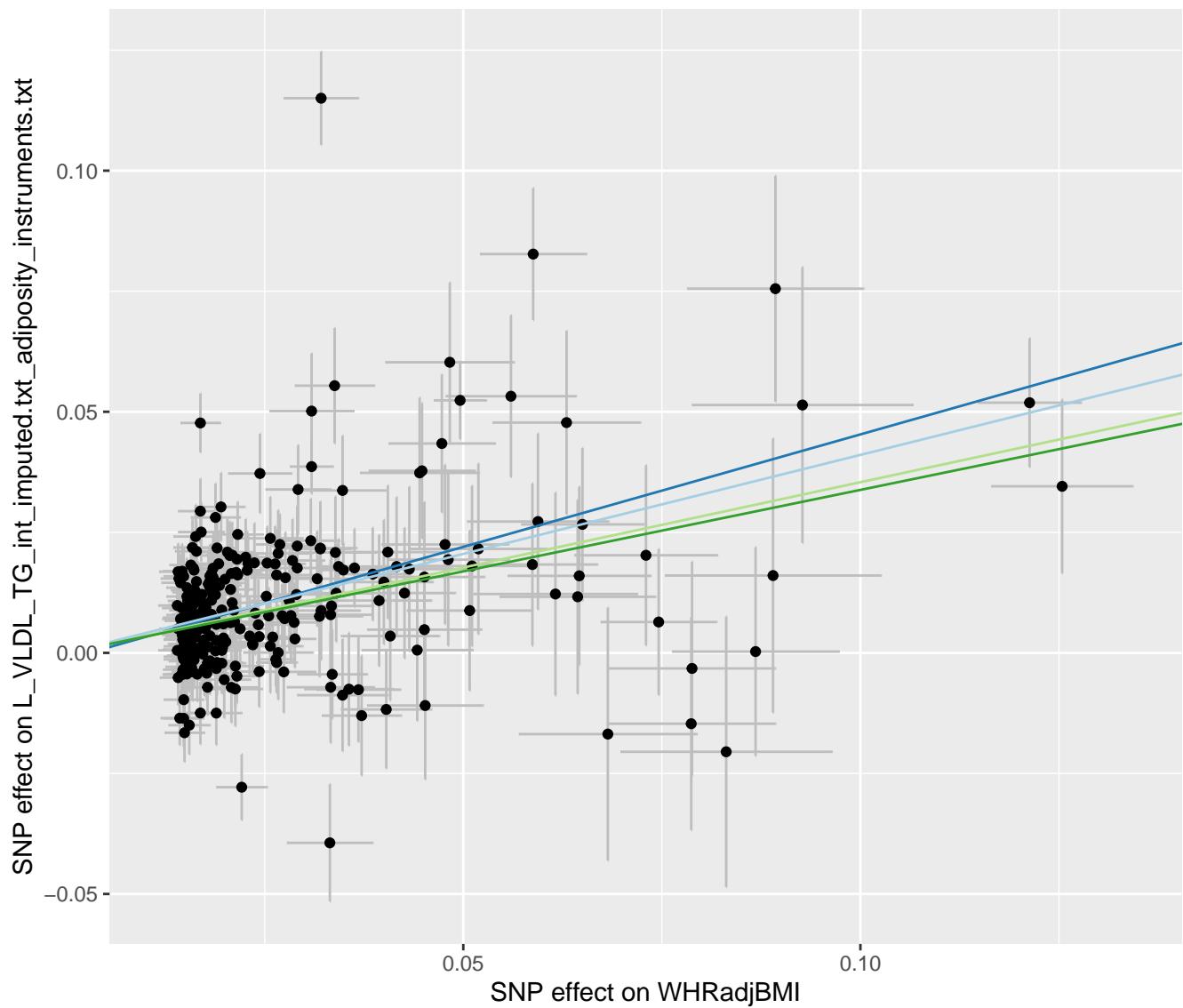
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



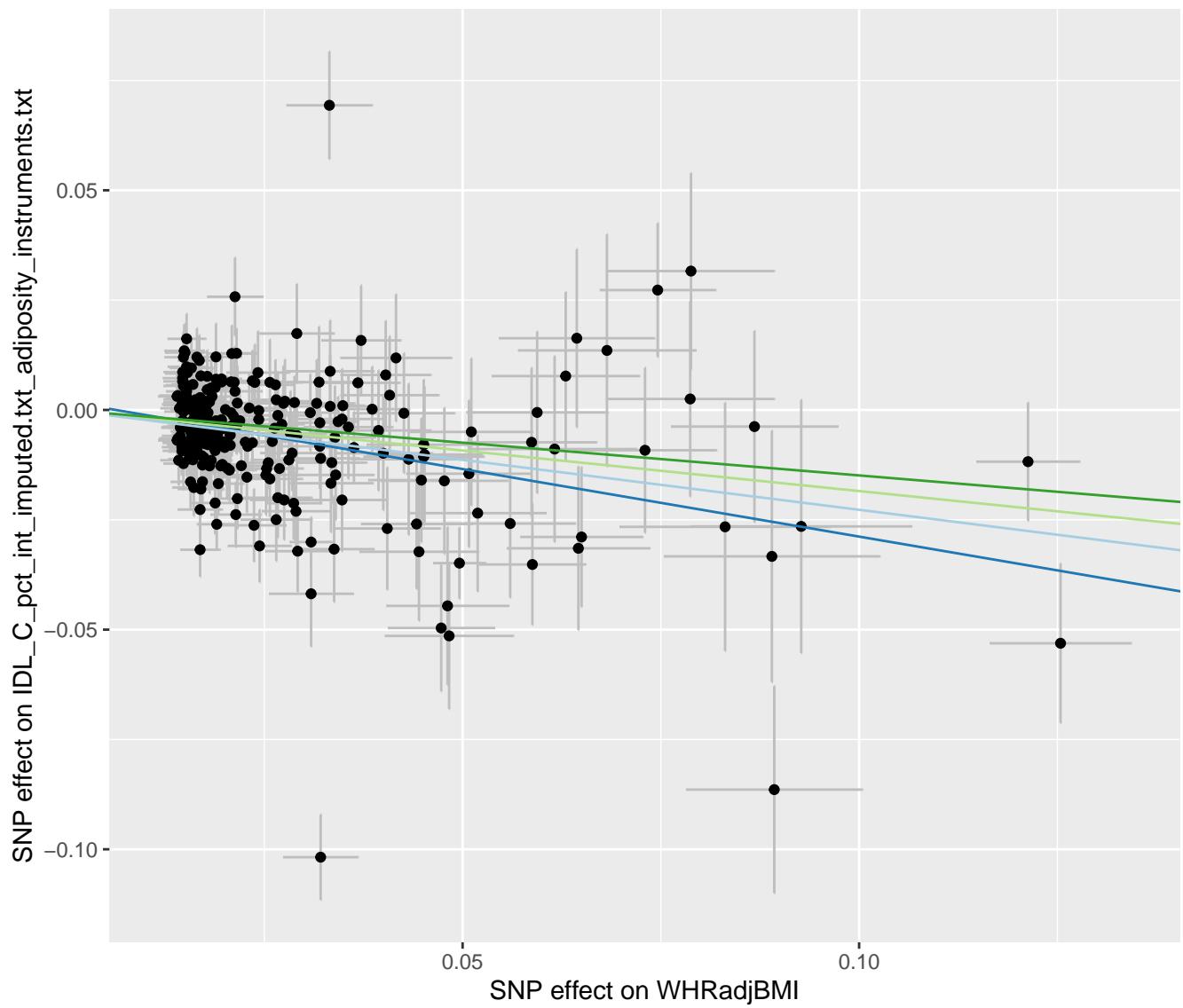
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



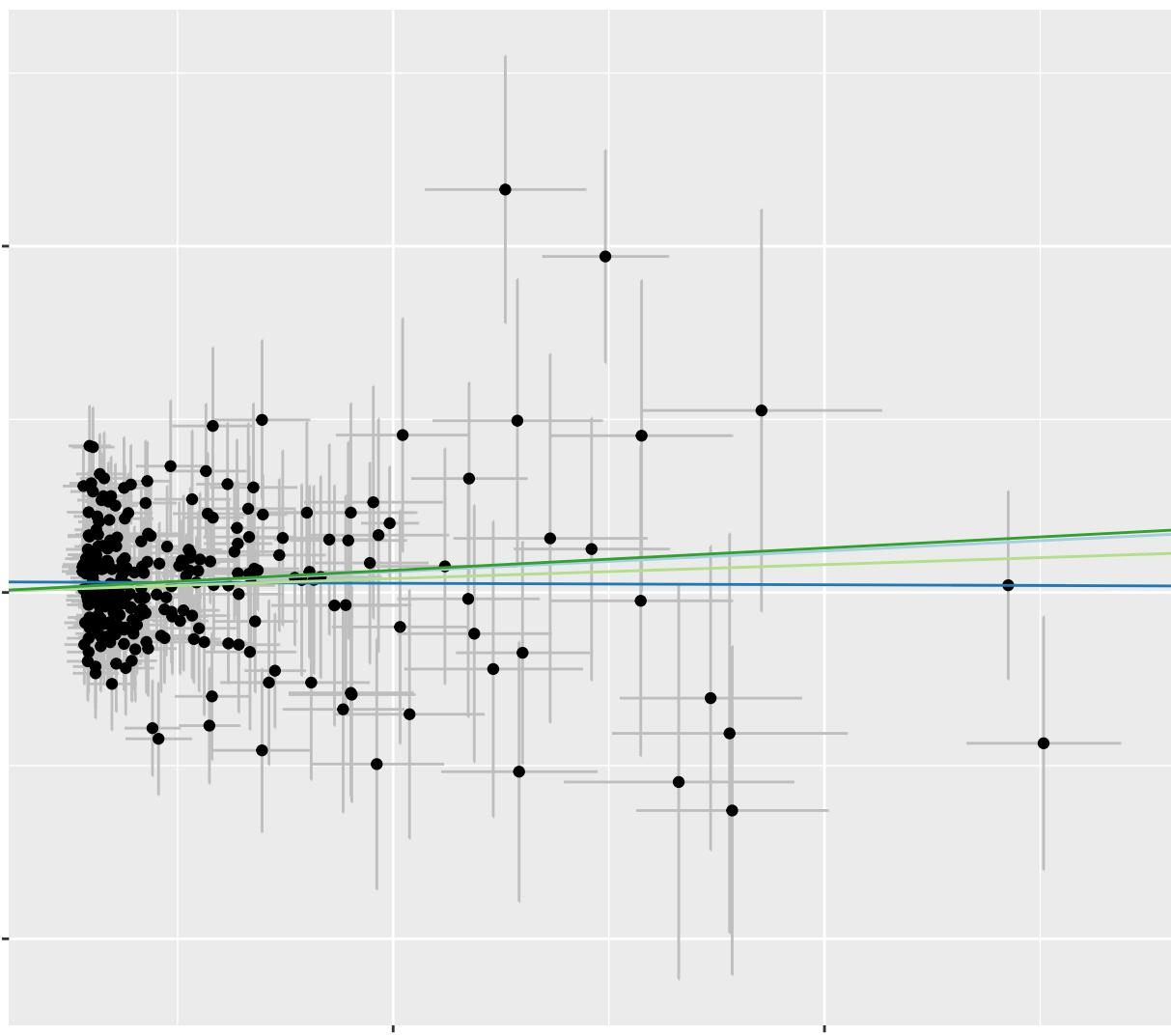
Weighted median



Weighted mode

SNP effect on S\_LDL\_C\_pct\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



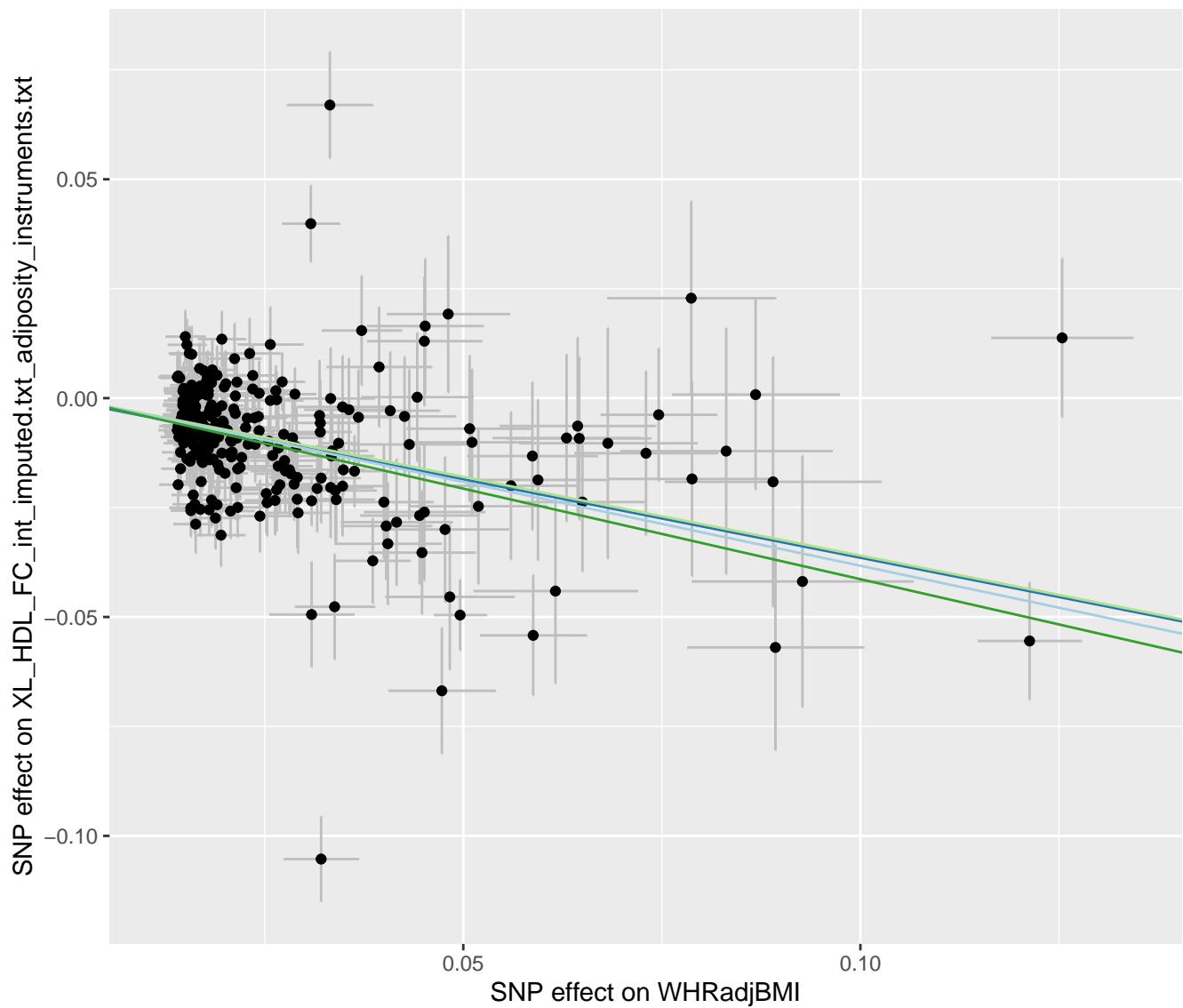
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



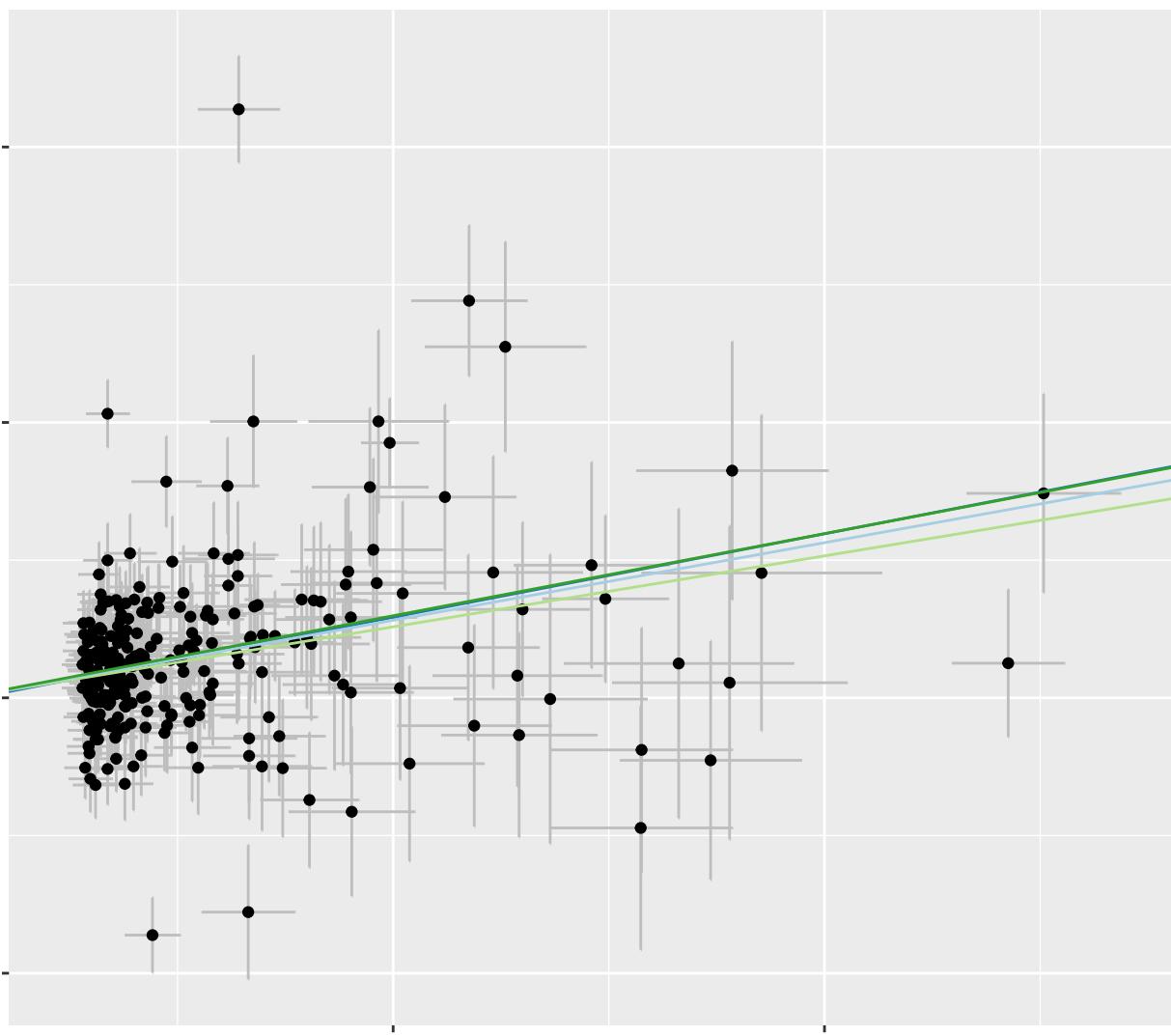
Weighted median



Weighted mode

SNP effect on MUFA\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



## MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

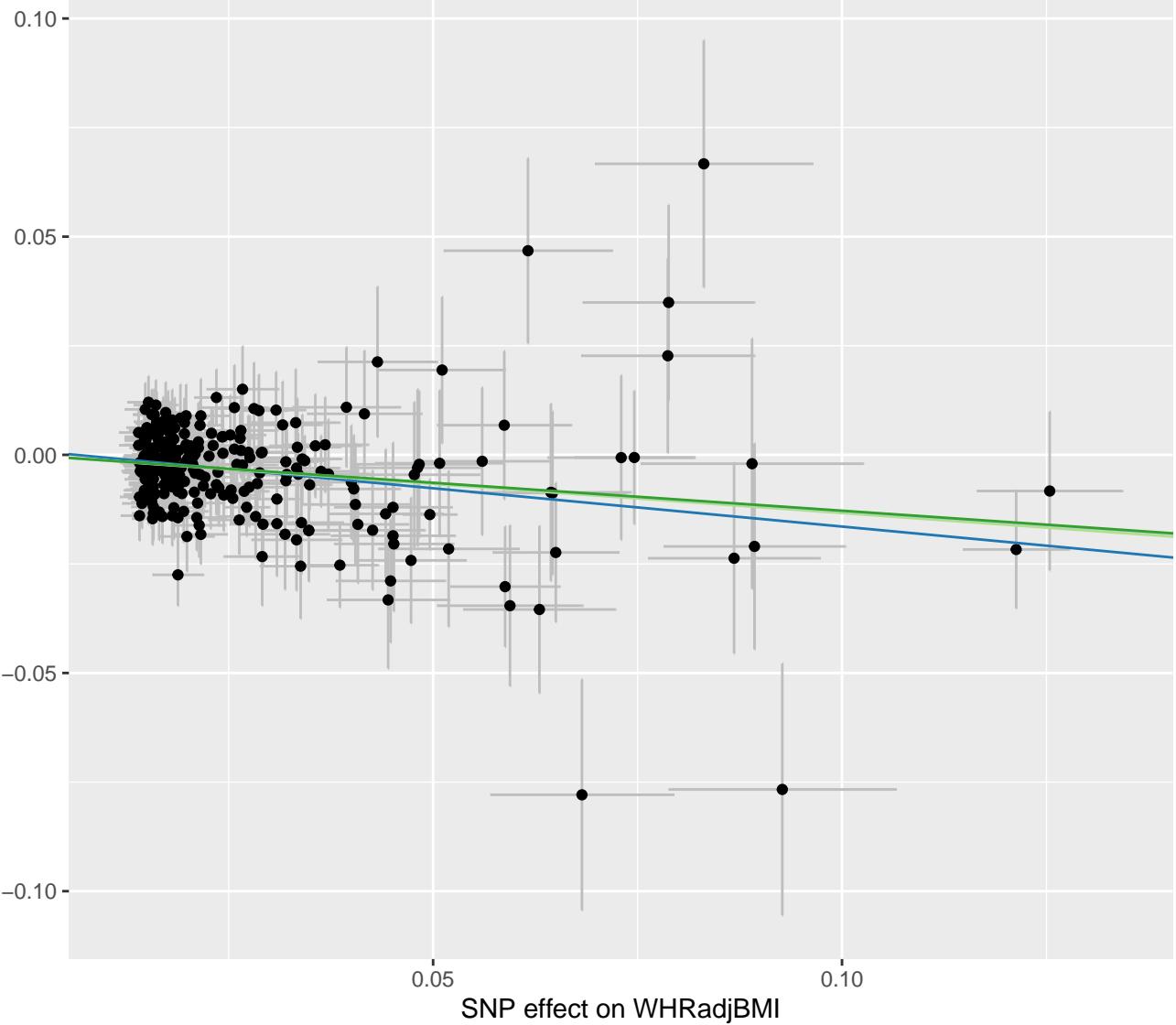


Weighted median



Weighted mode

SNP effect on Acetone\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



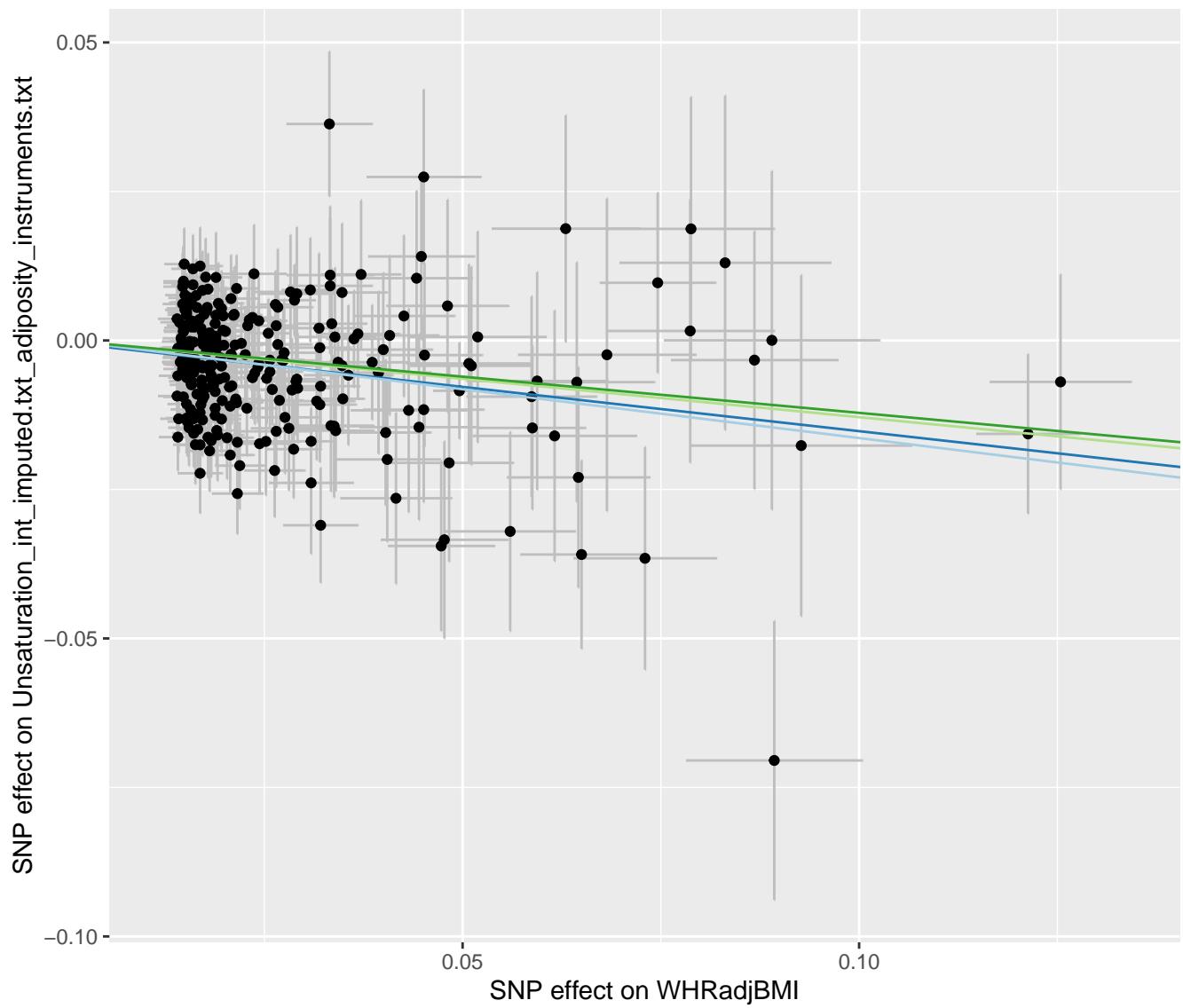
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



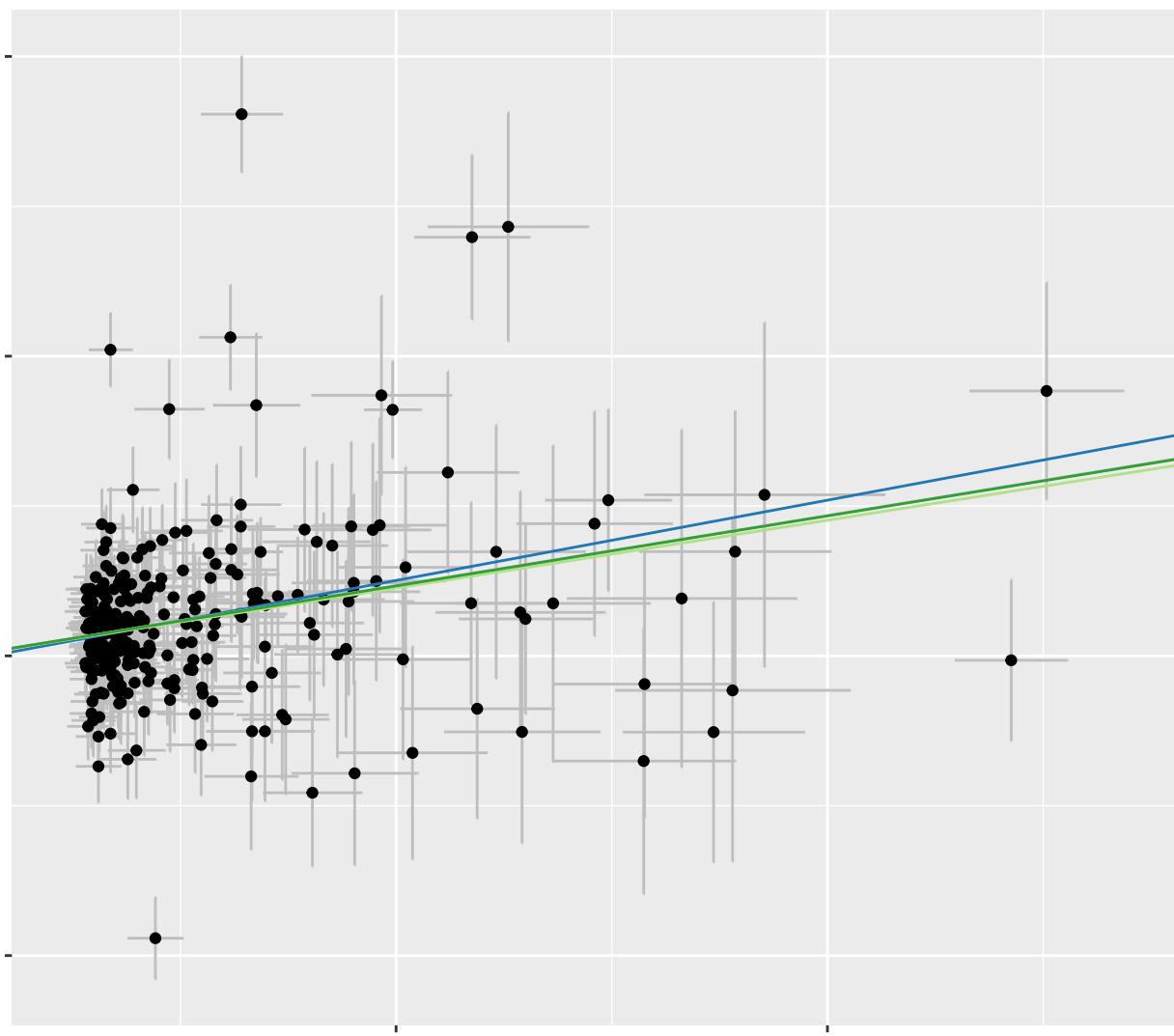
Weighted median



Weighted mode

SNP effect on Total\_FA\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

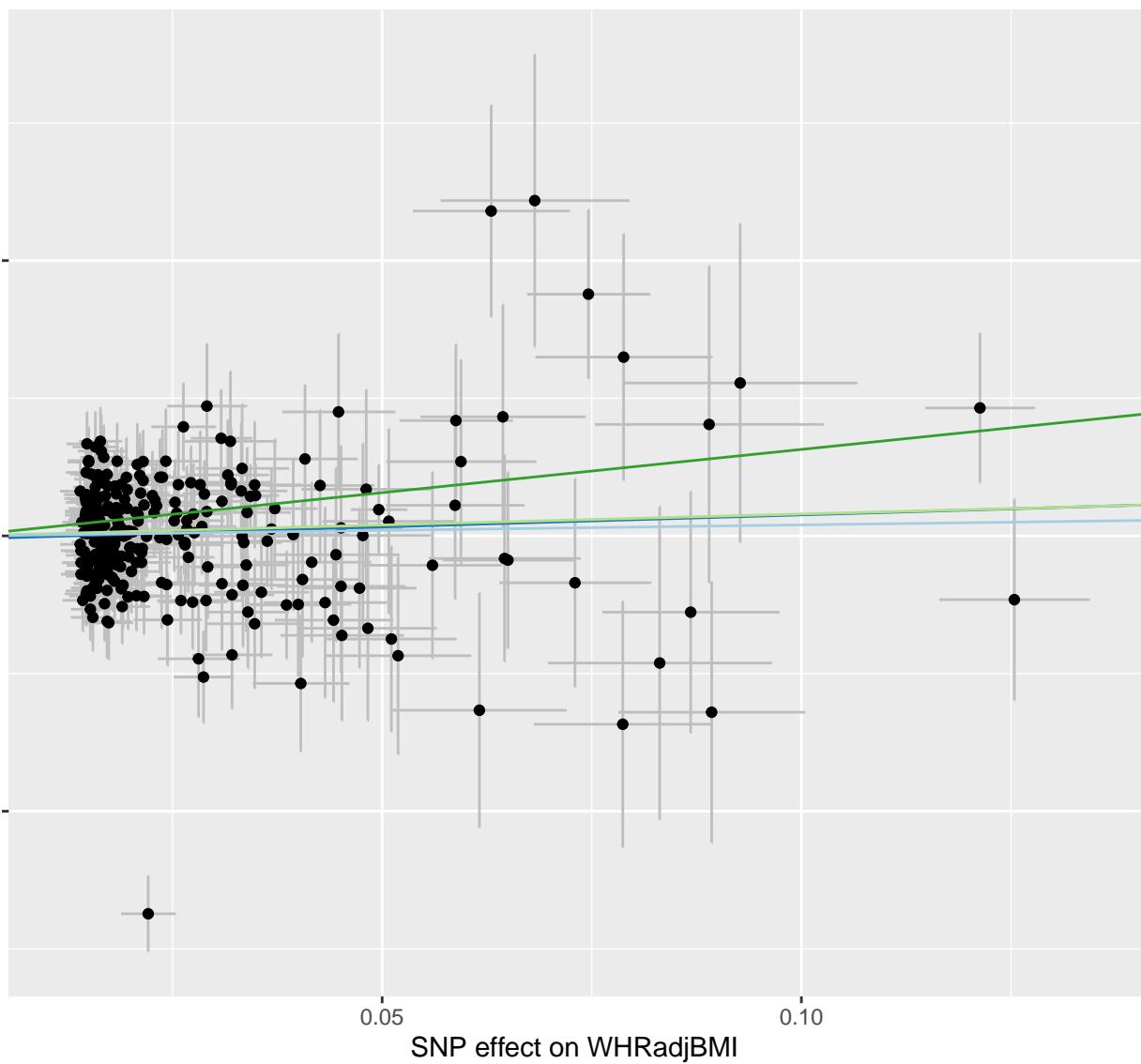


Weighted median



Weighted mode

SNP effect on S\_LDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



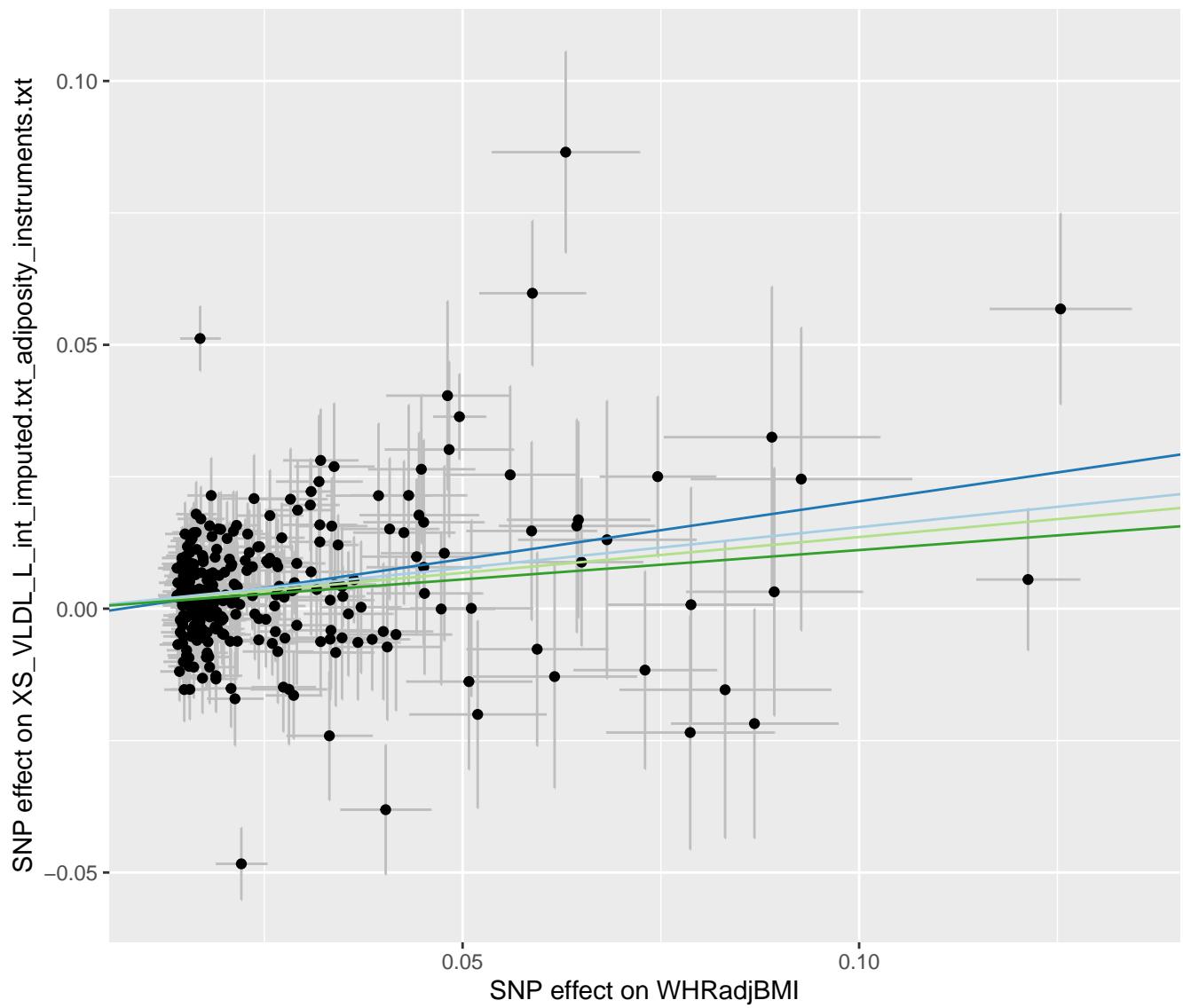
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



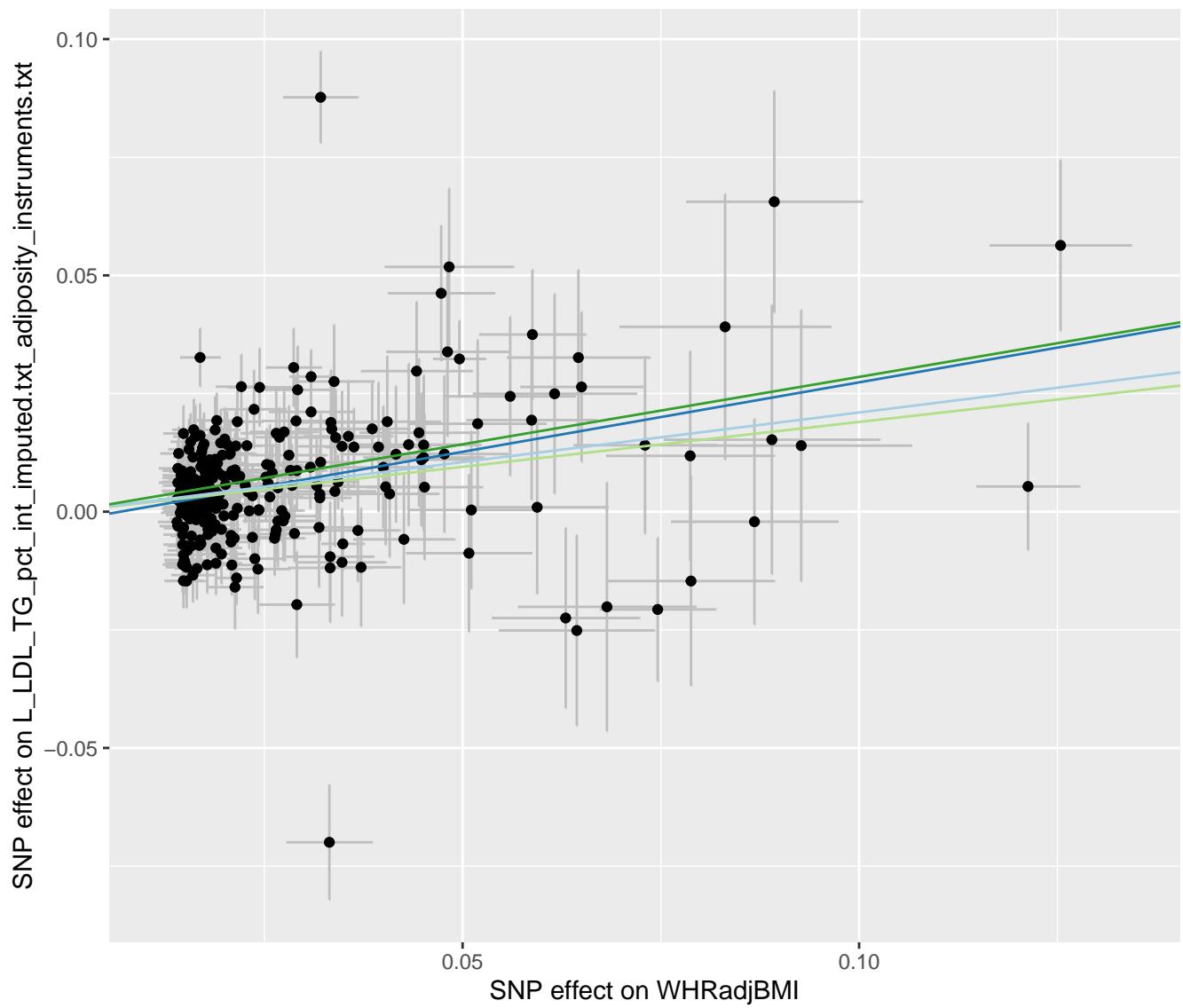
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



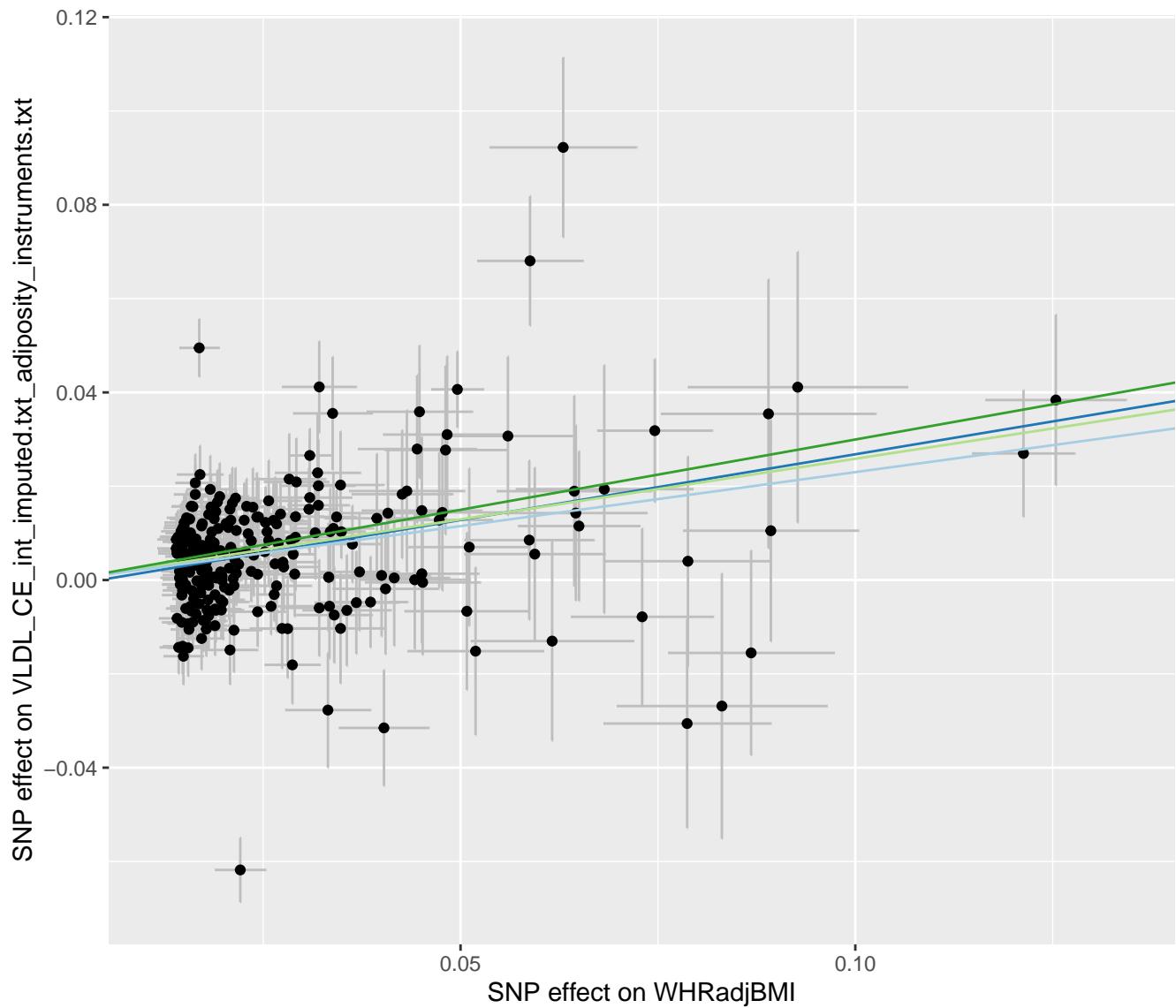
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



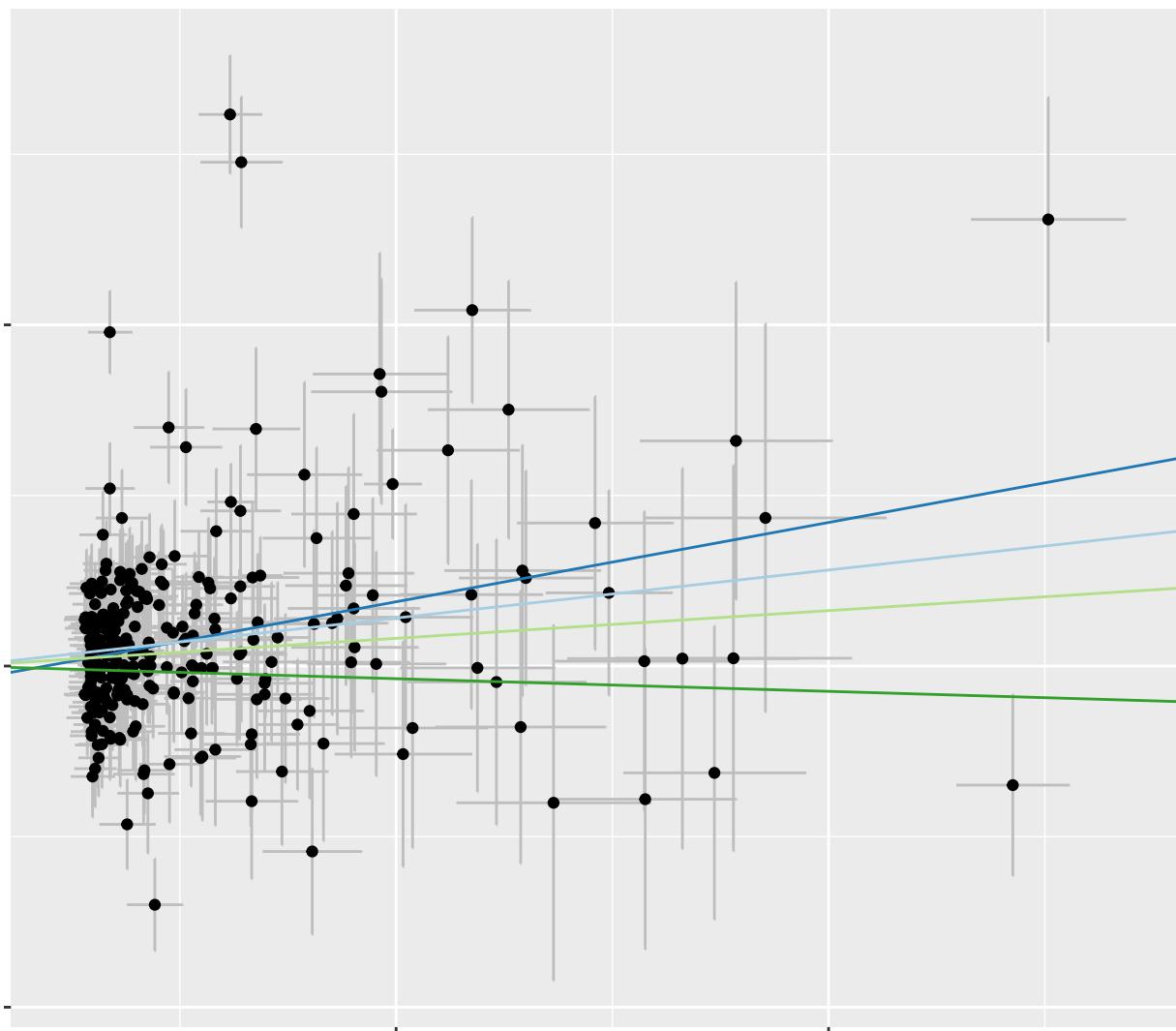
Weighted median



Weighted mode

SNP effect on XL\_HDL\_TG\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



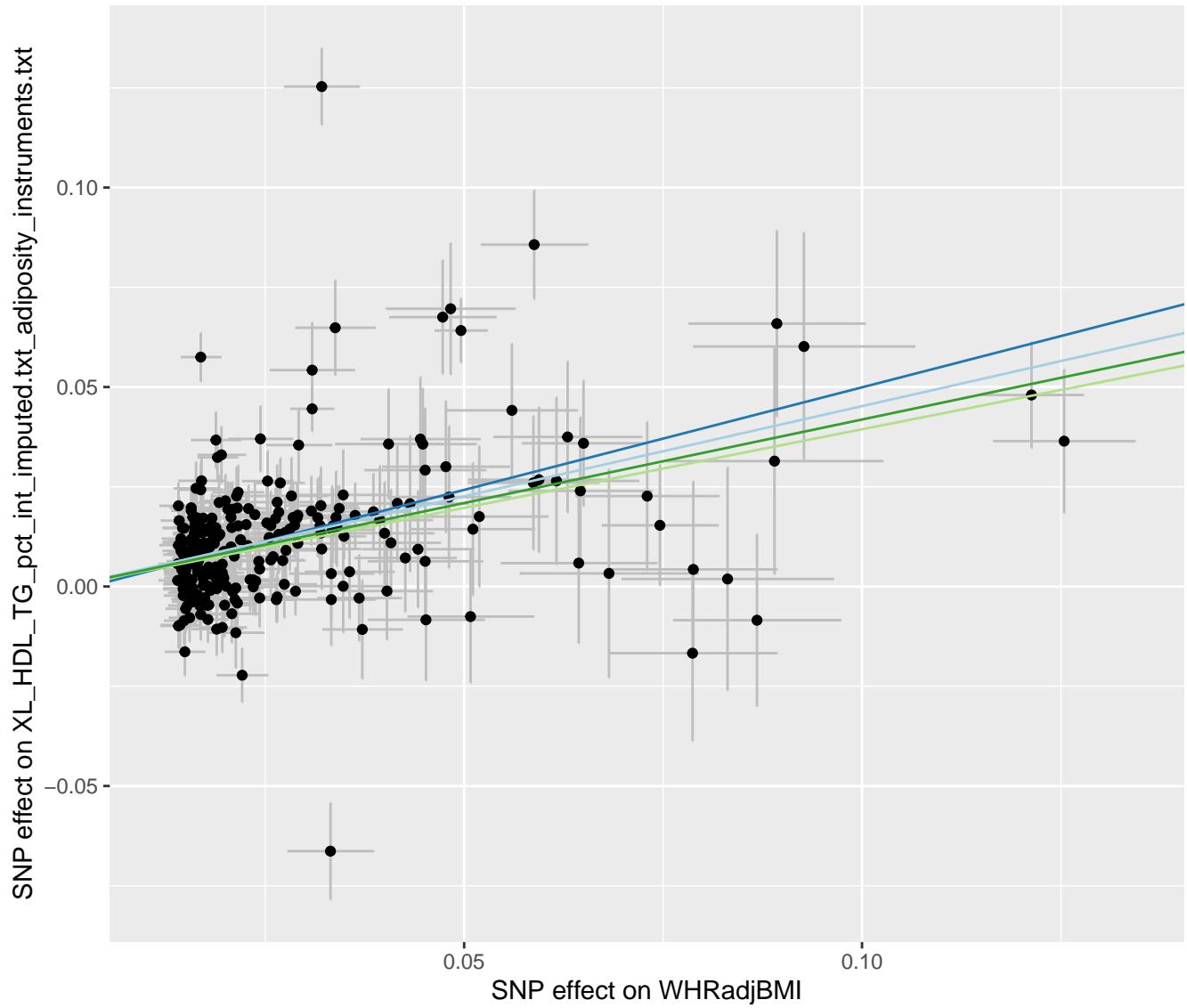
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



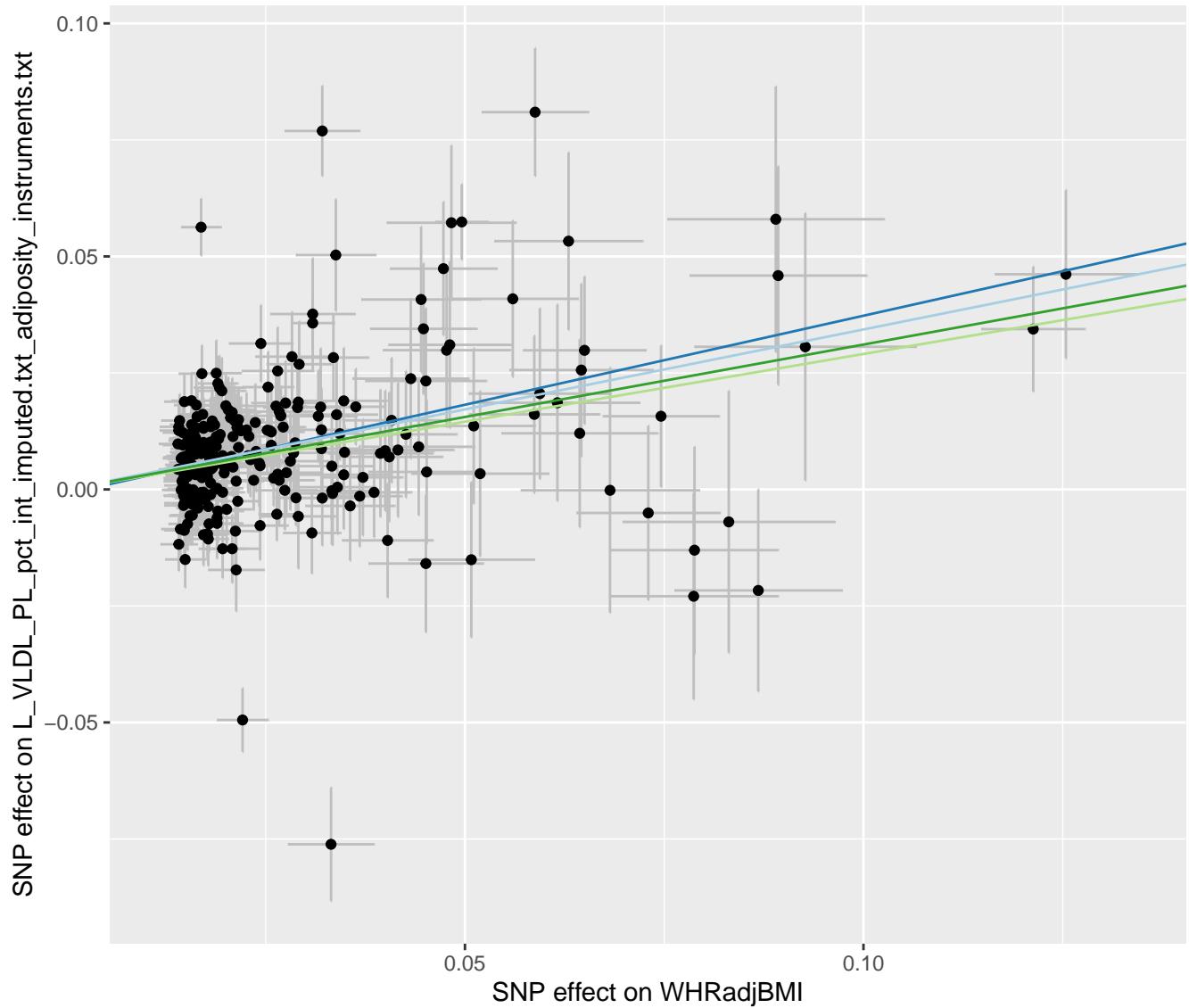
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



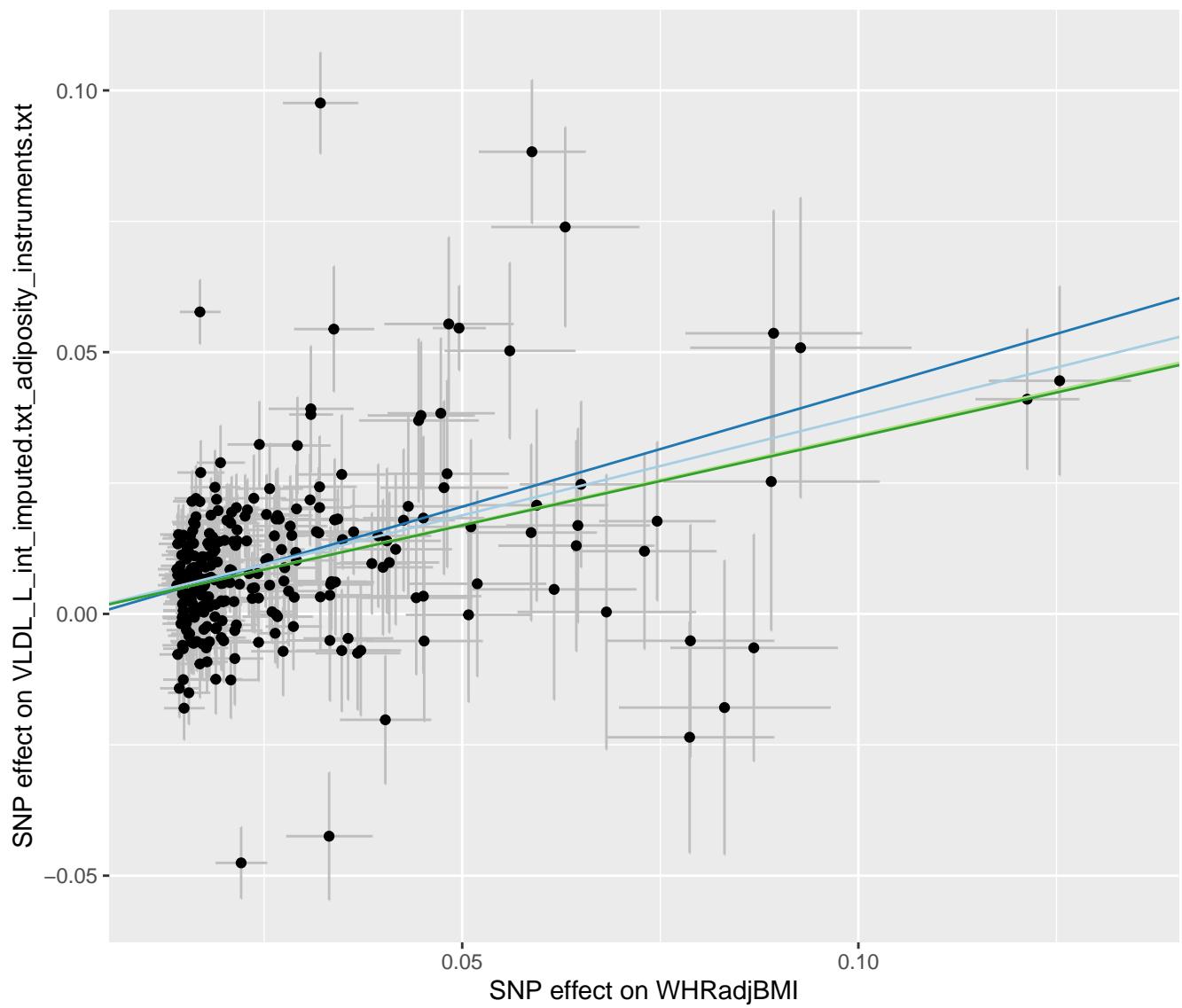
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



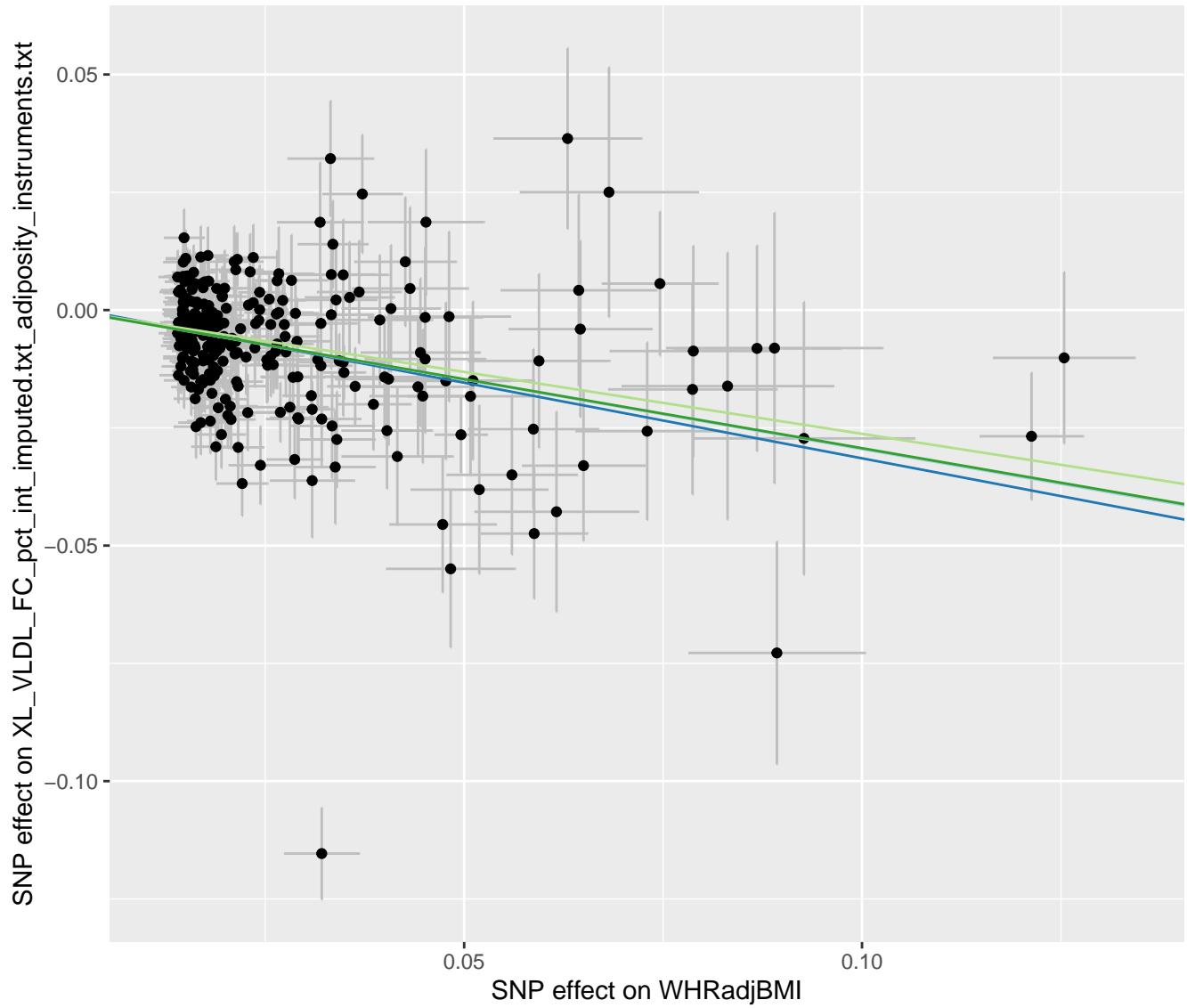
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



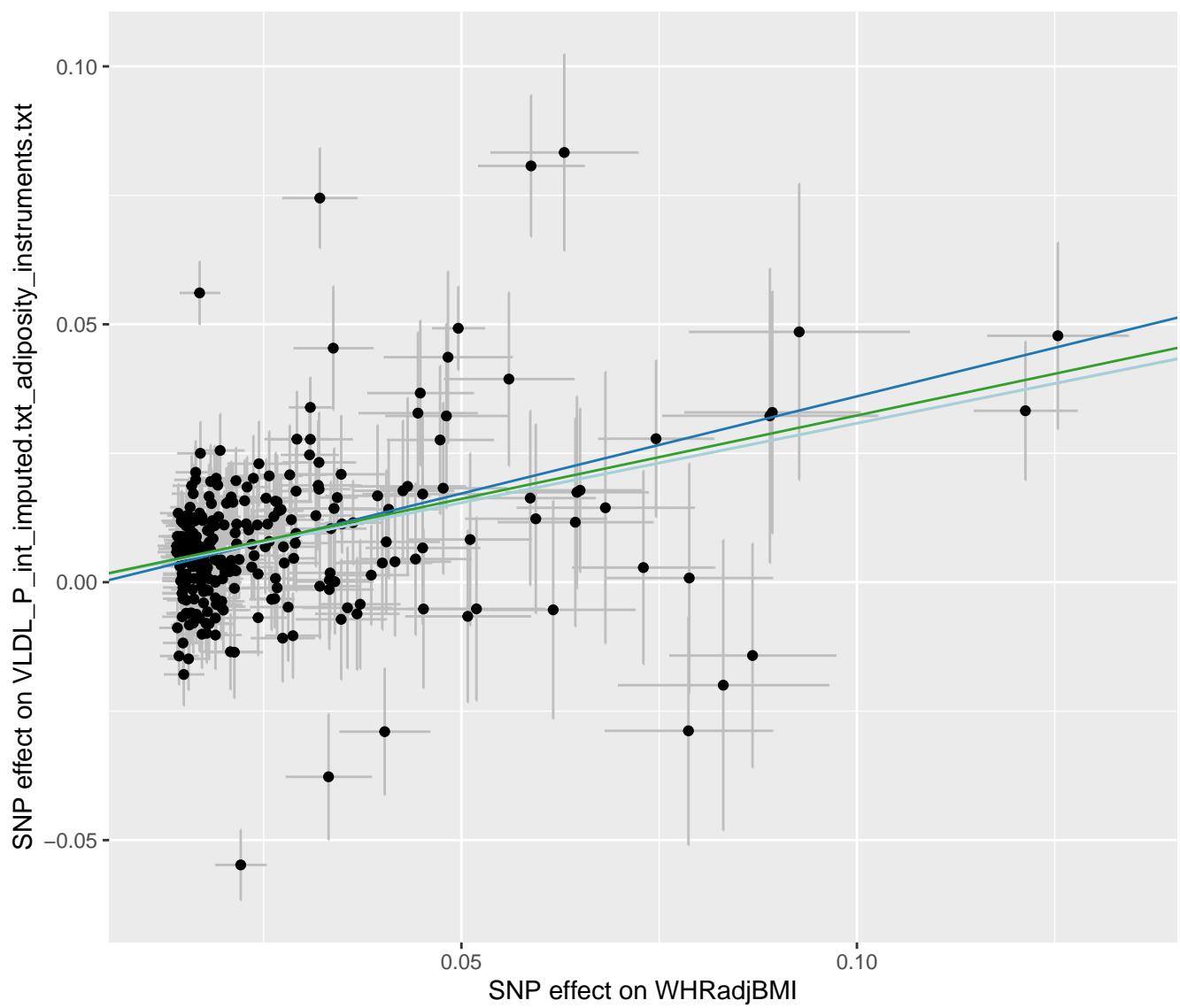
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



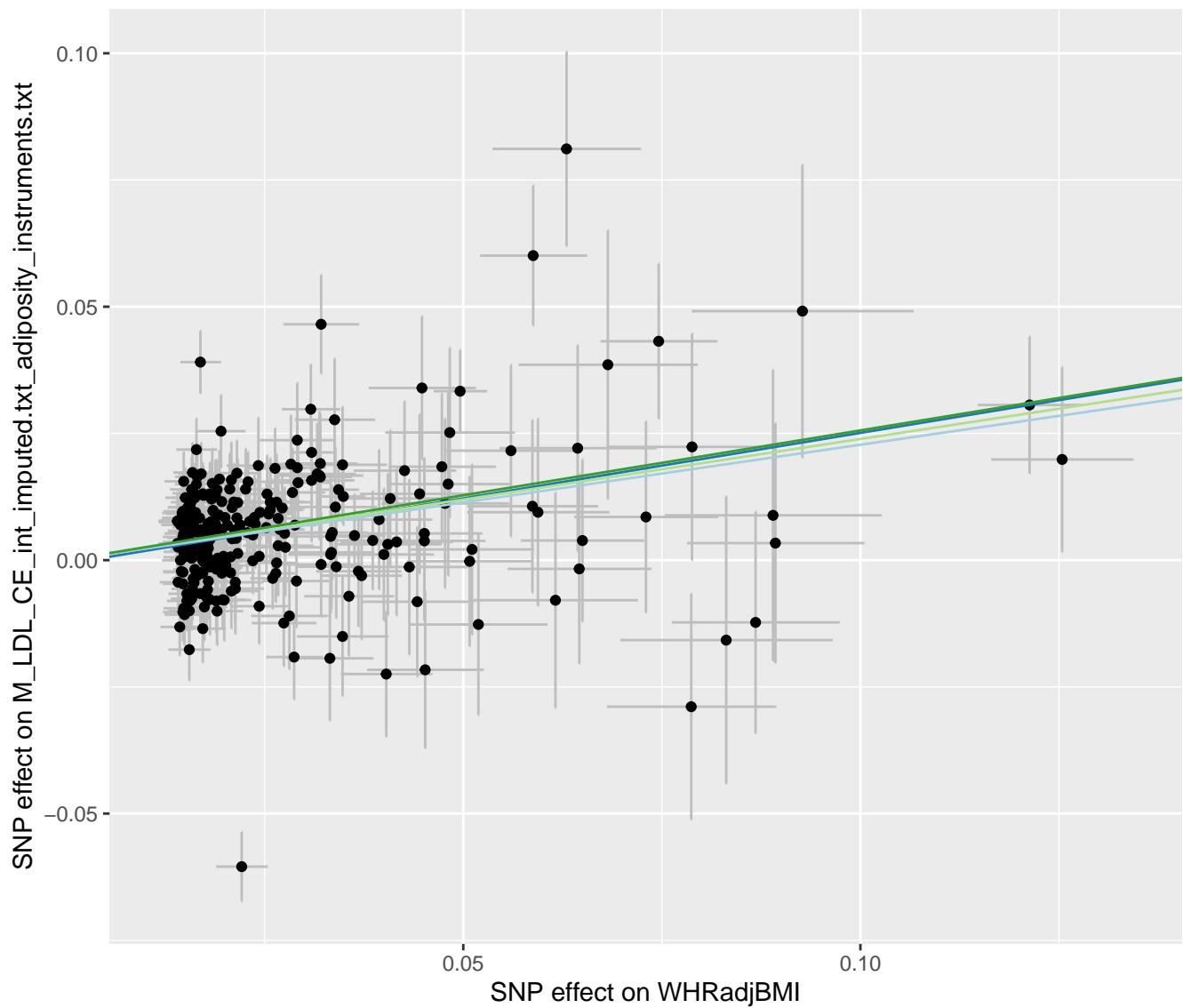
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



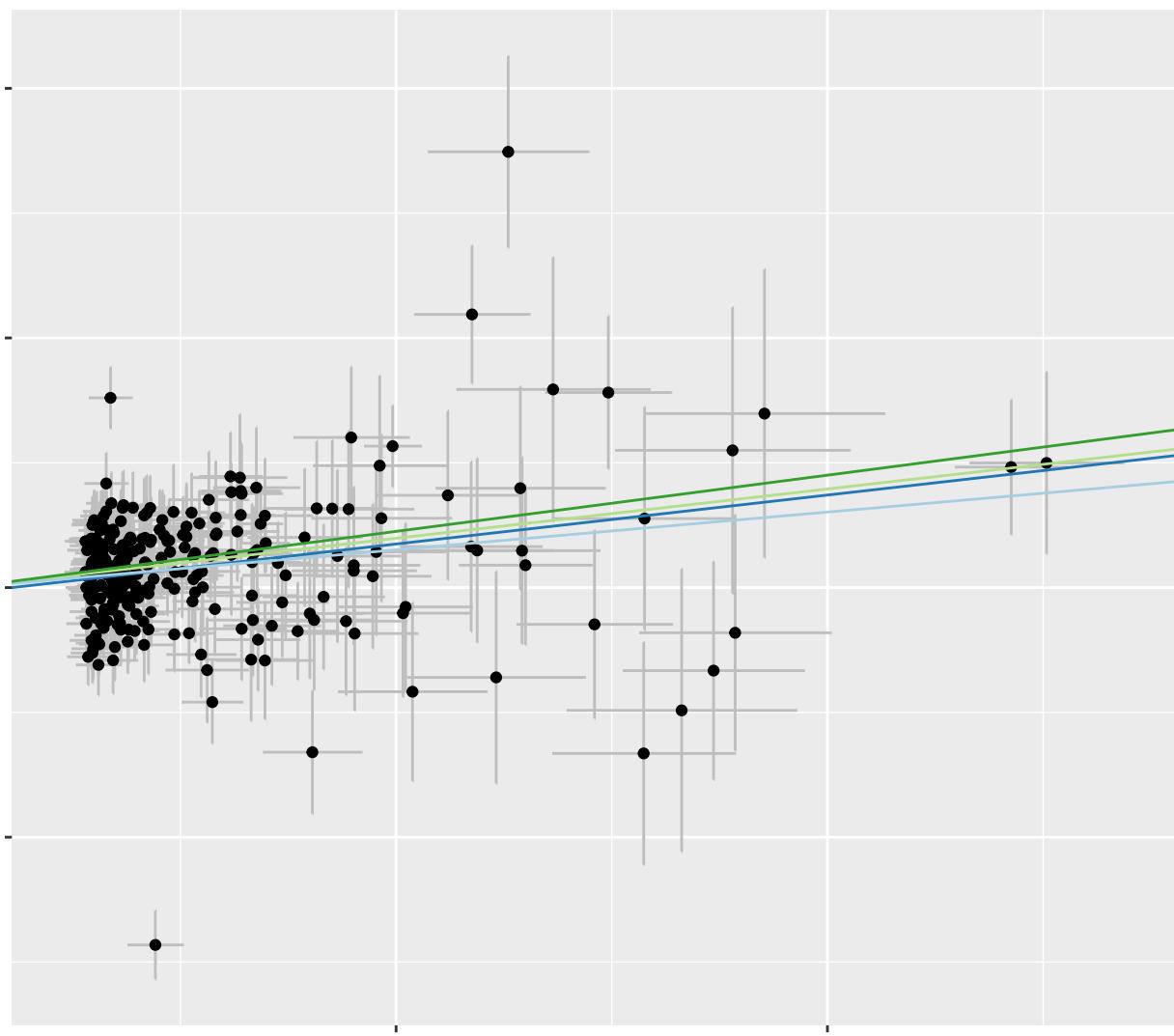
Weighted median



Weighted mode

SNP effect on ApoB\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



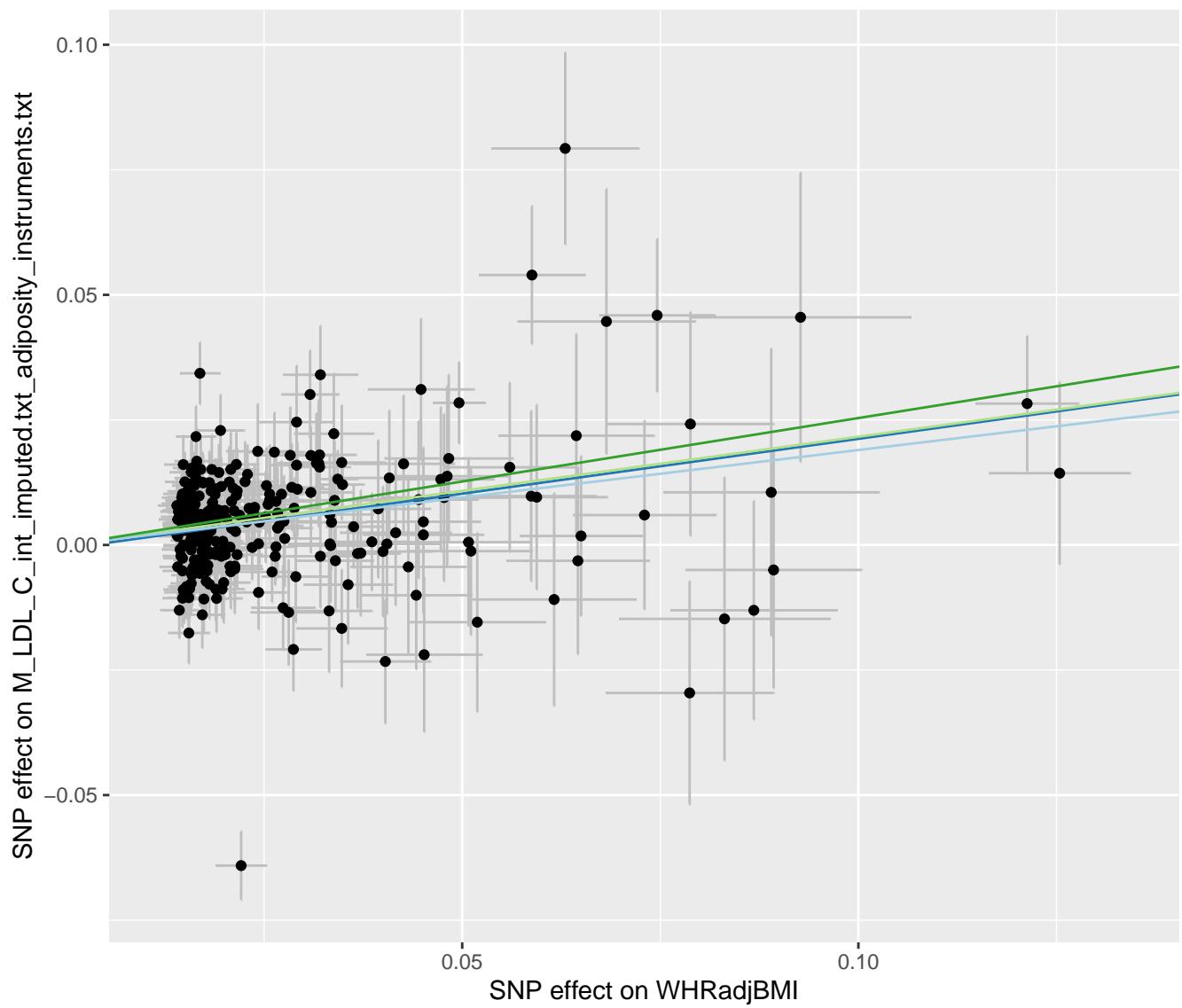
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

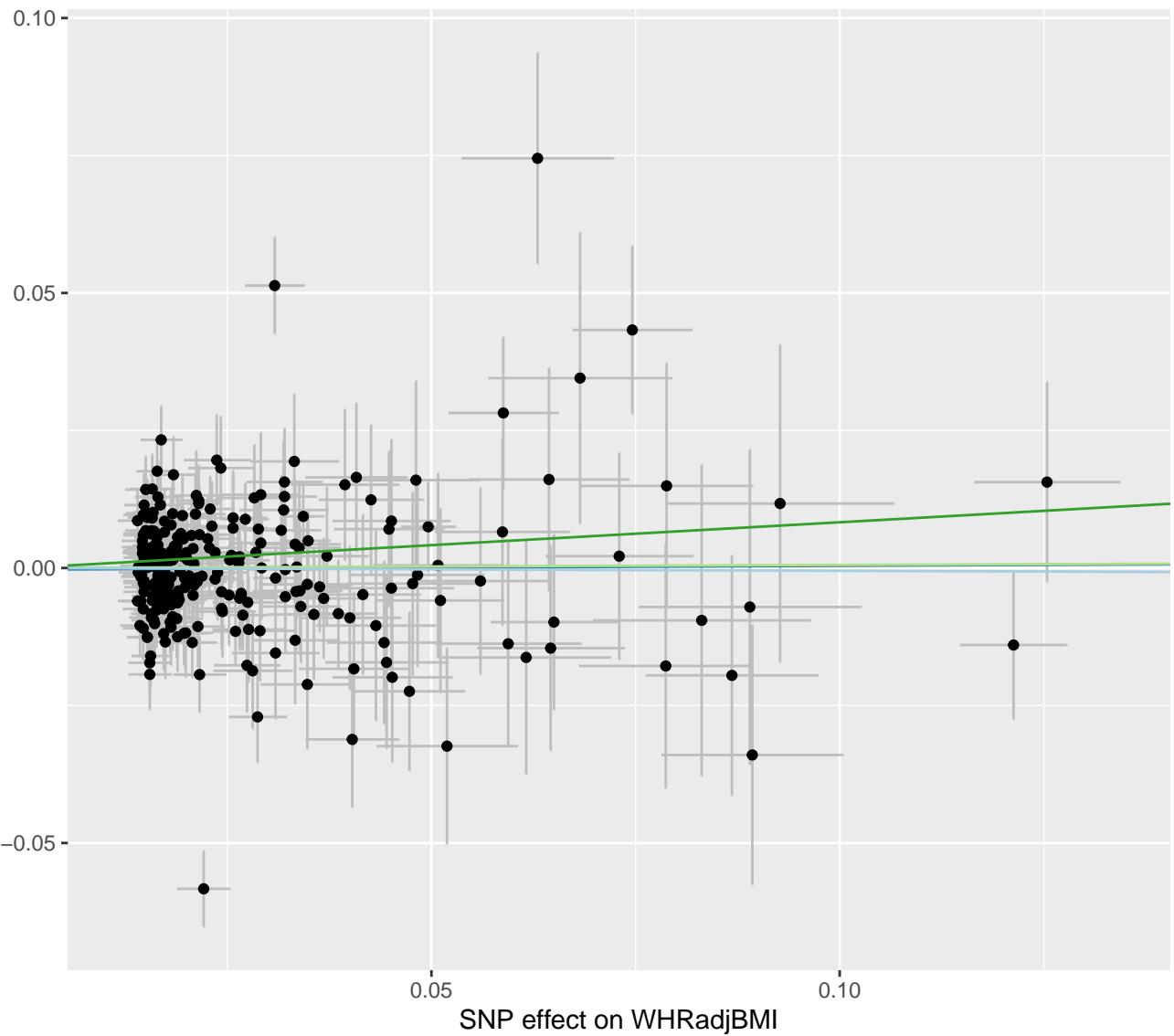


Weighted median



Weighted mode

SNP effect on Total\_C\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



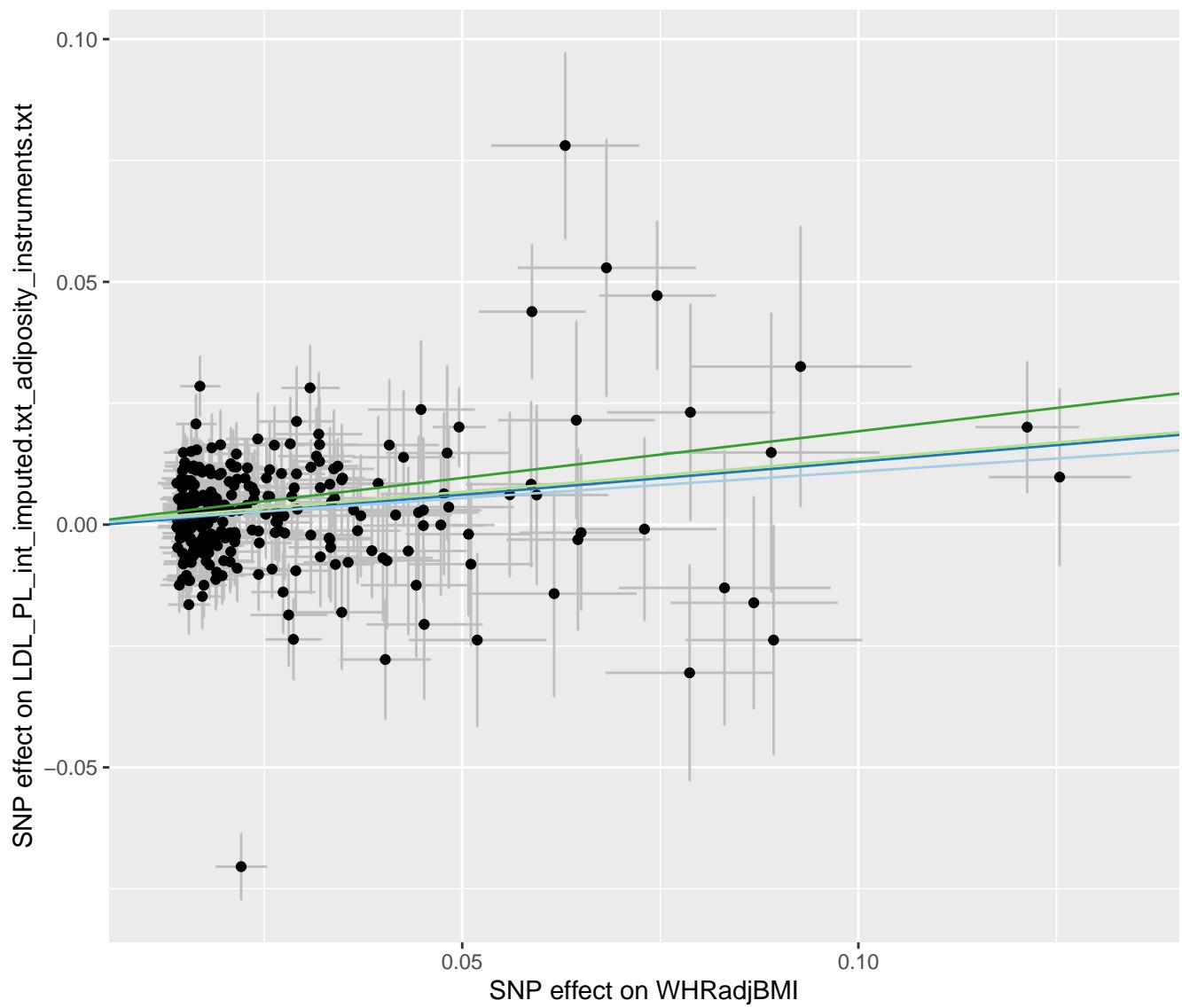
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

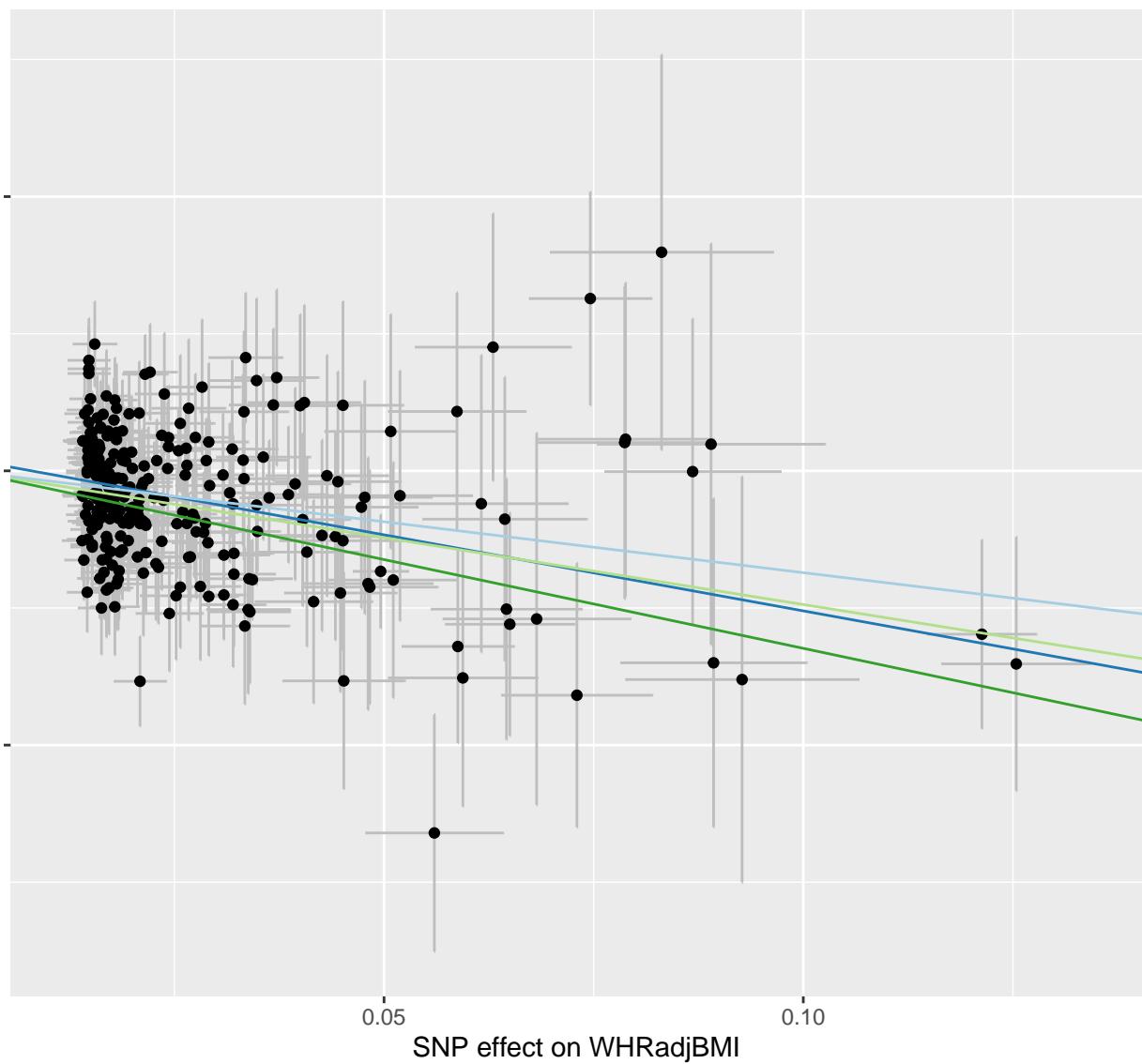


Weighted median



Weighted mode

SNP effect on XXL\_VLDL\_FC\_pct\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



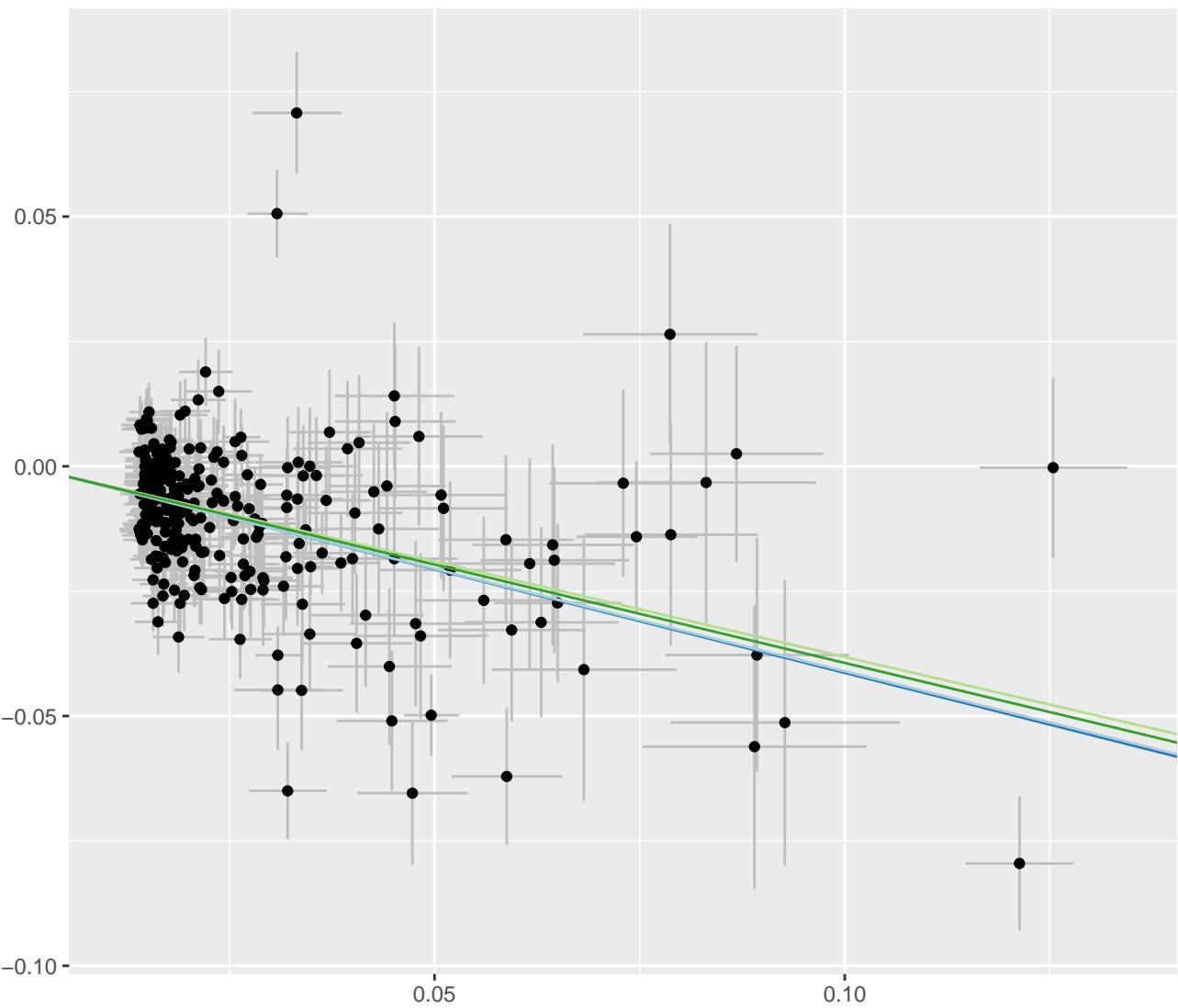
Weighted median



Weighted mode

SNP effect on HDL\_size\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



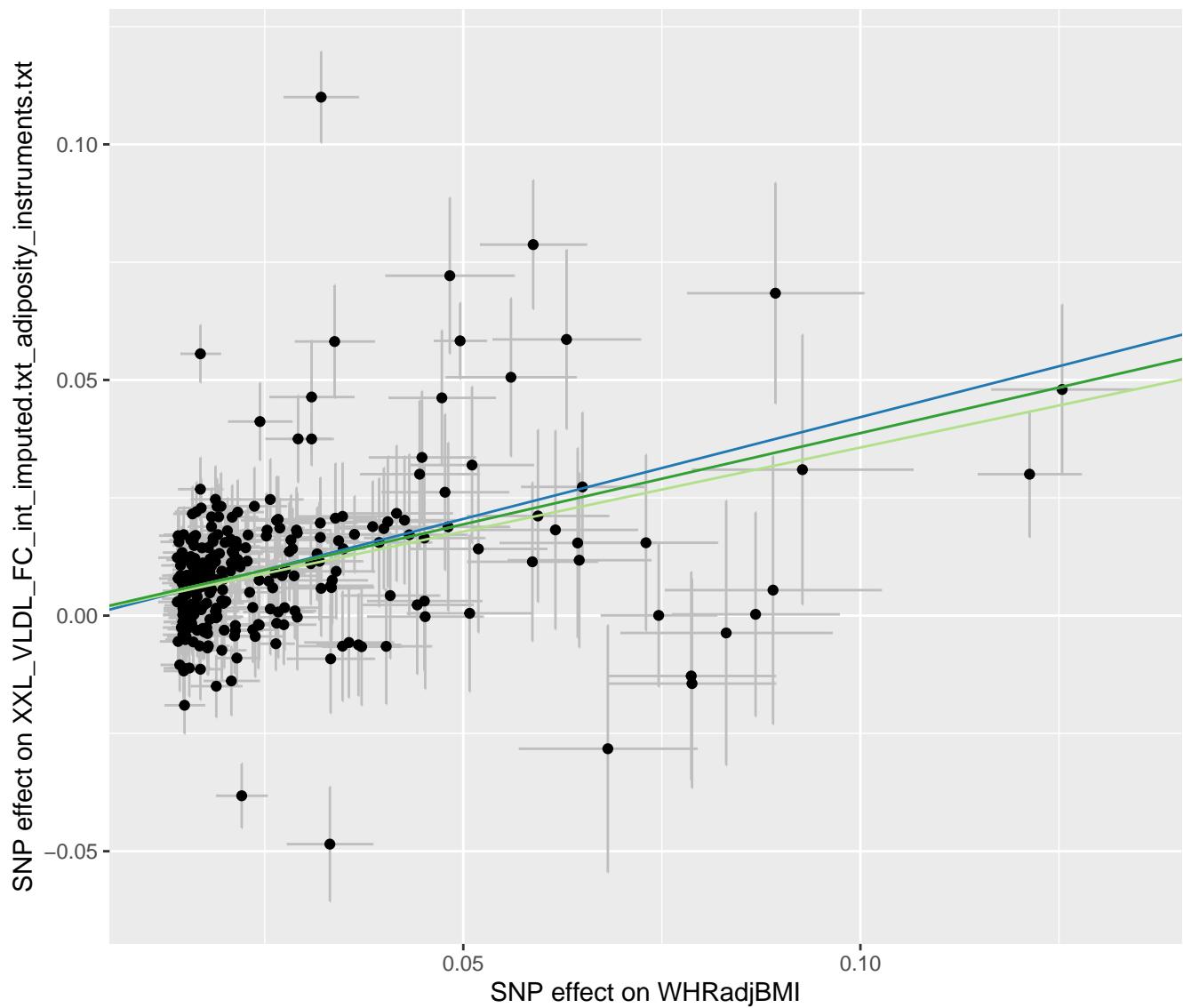
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



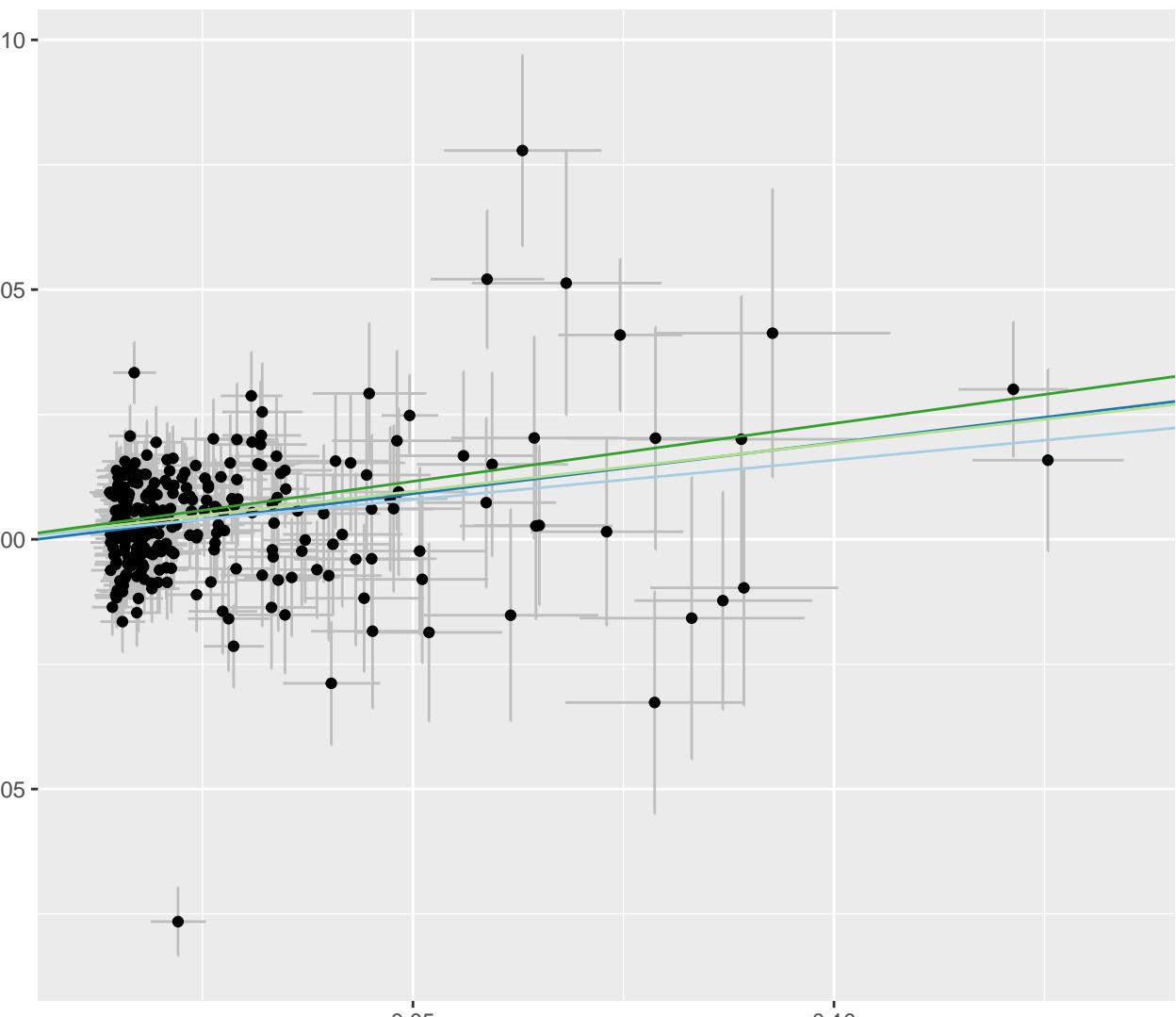
Weighted median



Weighted mode

SNP effect on S\_LDL\_L\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



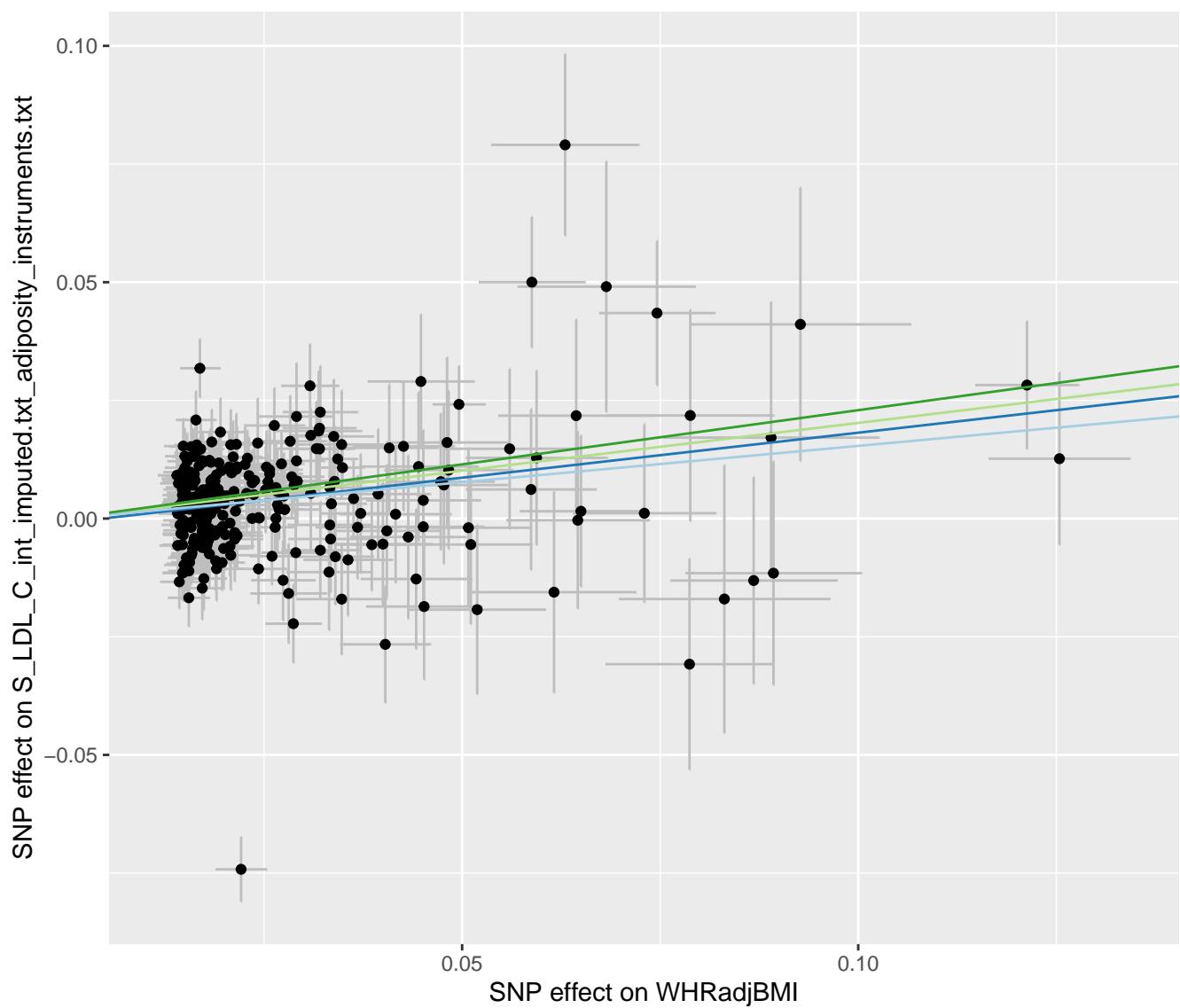
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



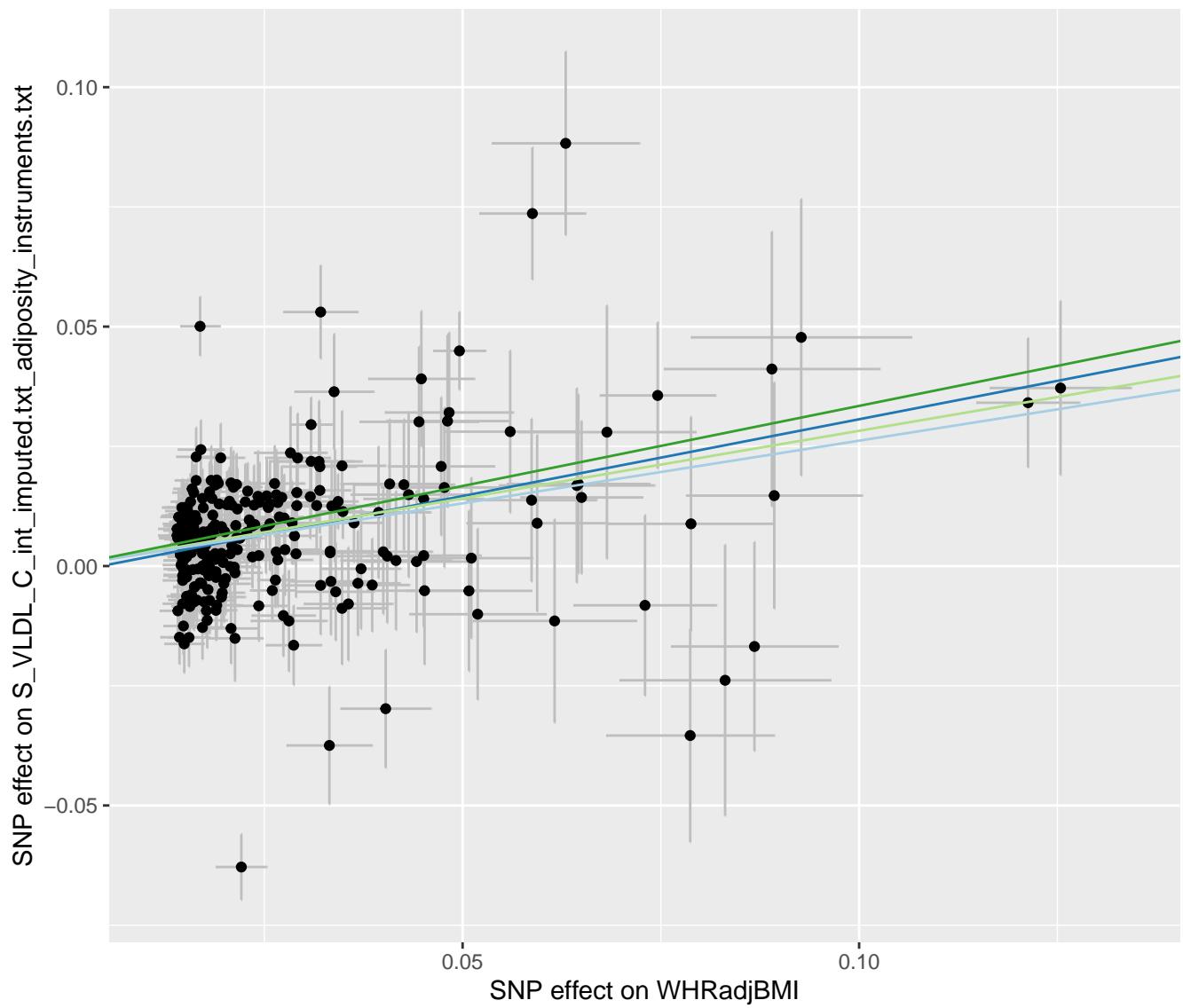
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



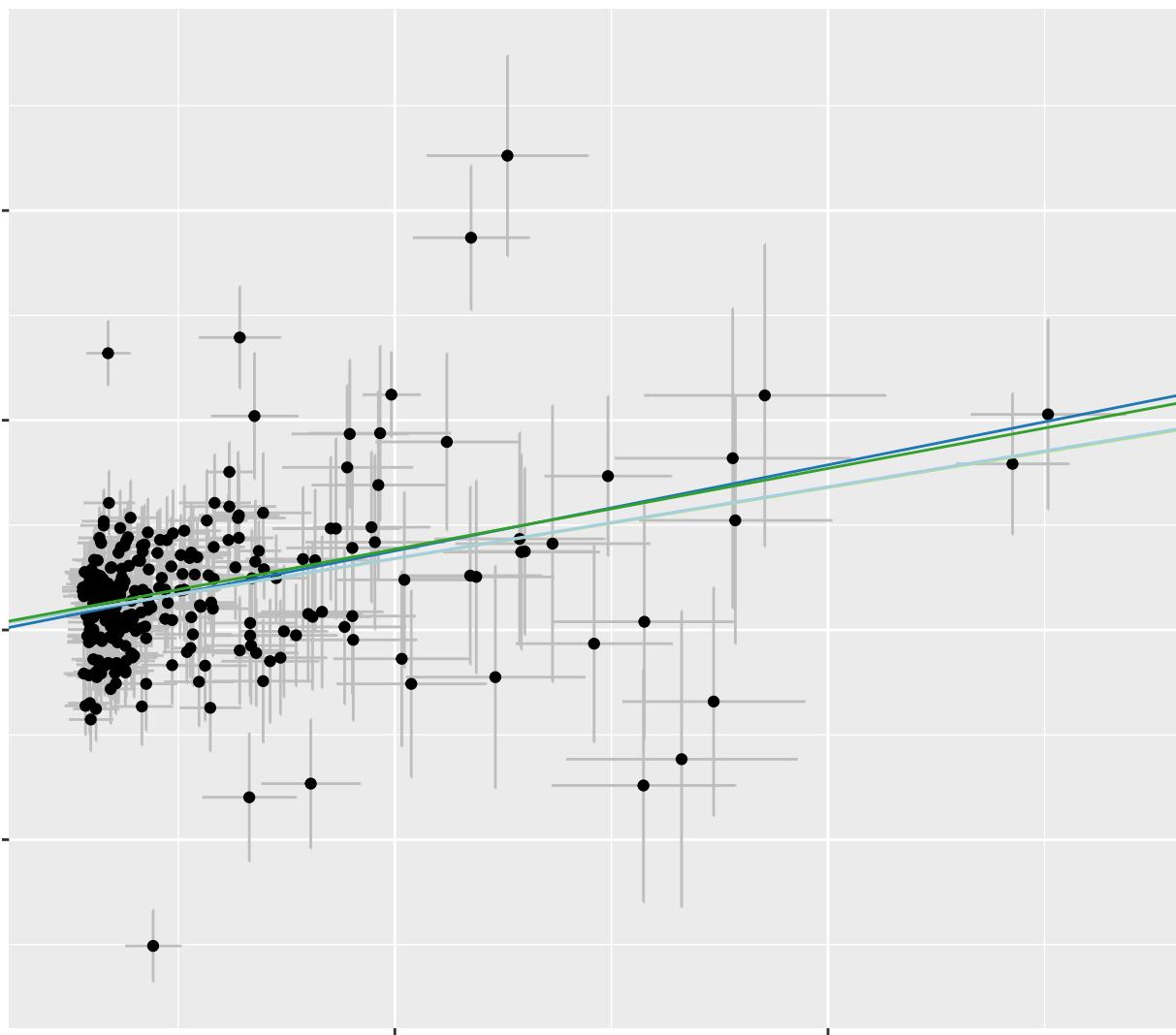
Weighted median



Weighted mode

SNP effect on VLDL\_C\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



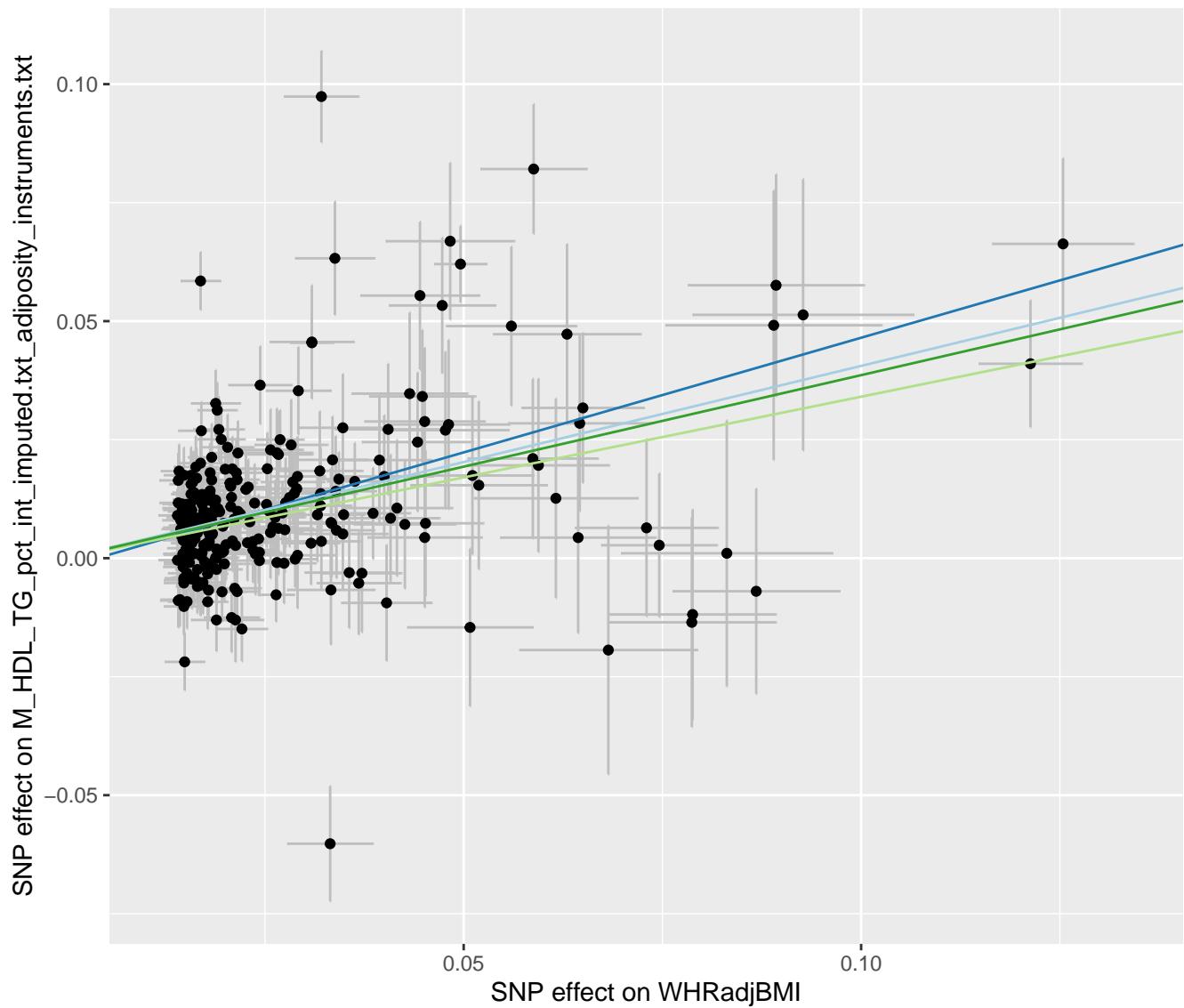
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



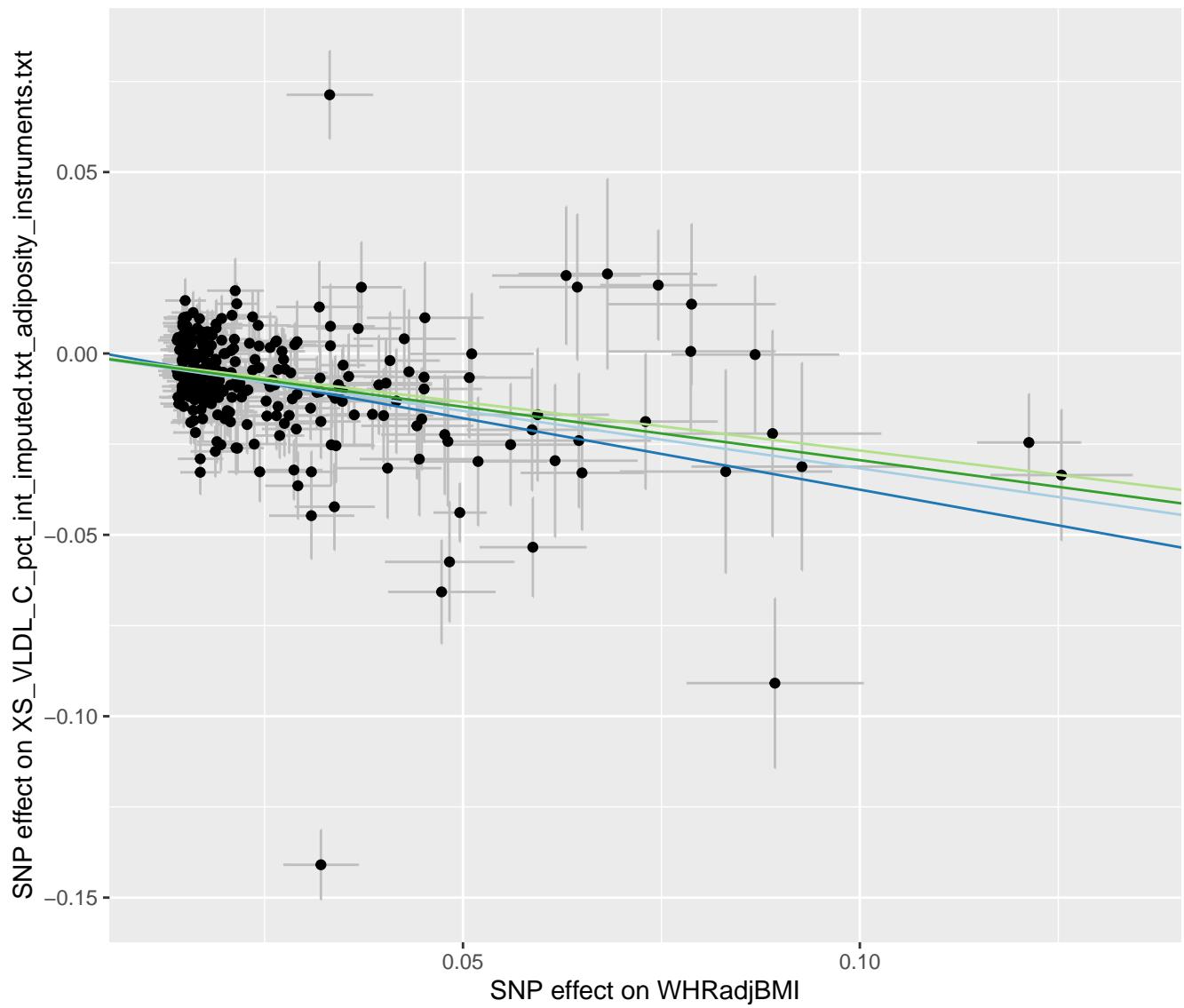
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



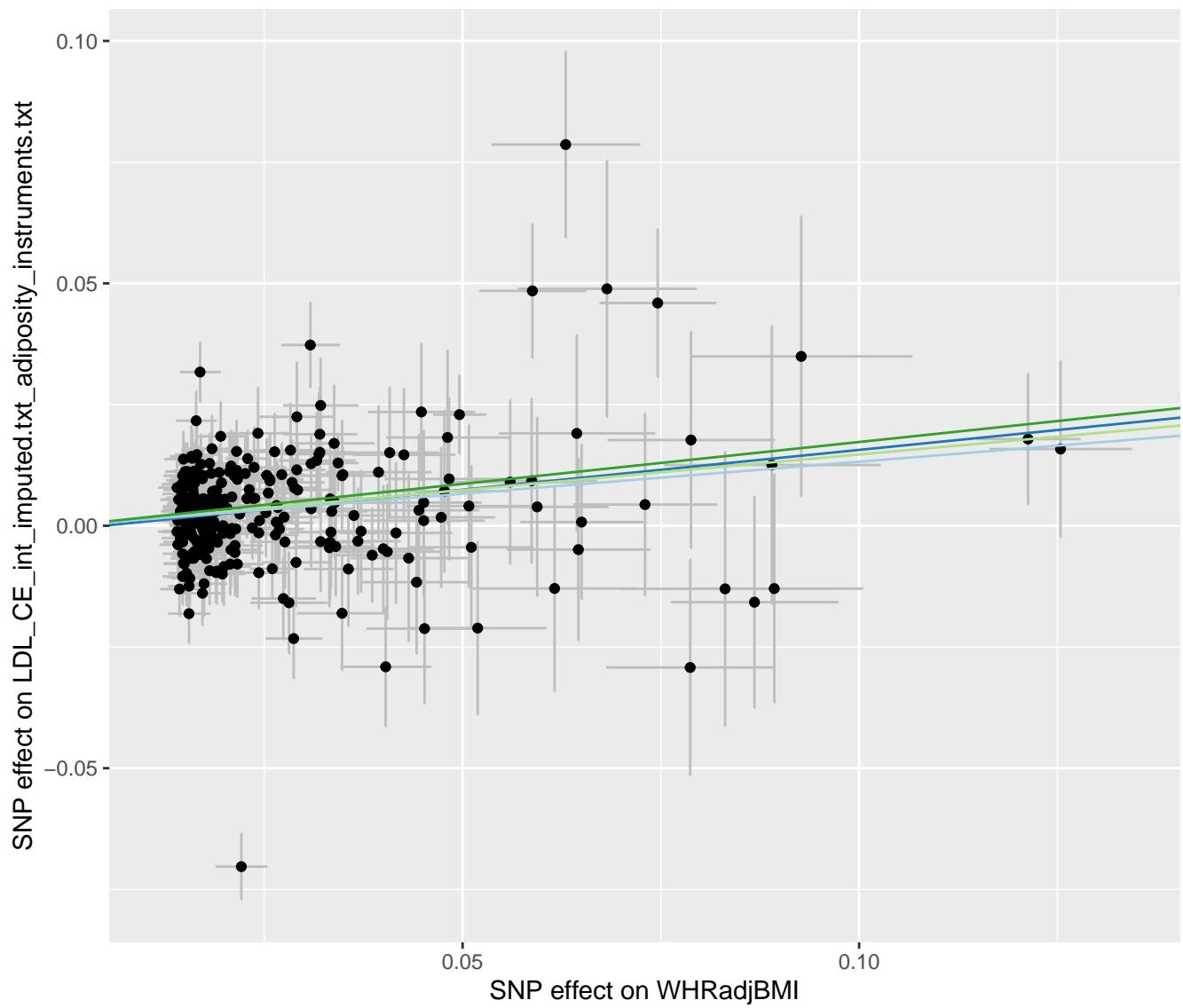
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



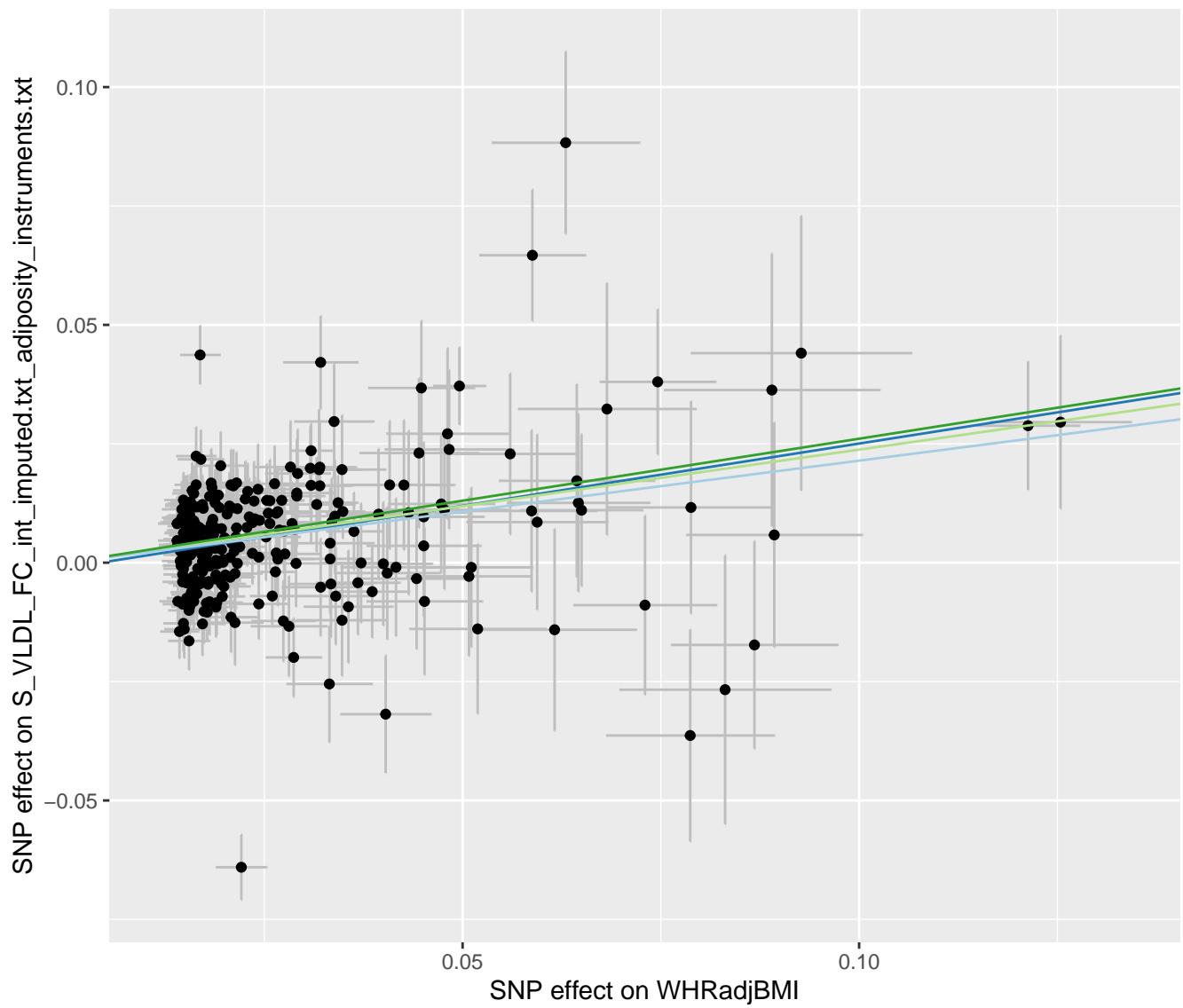
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



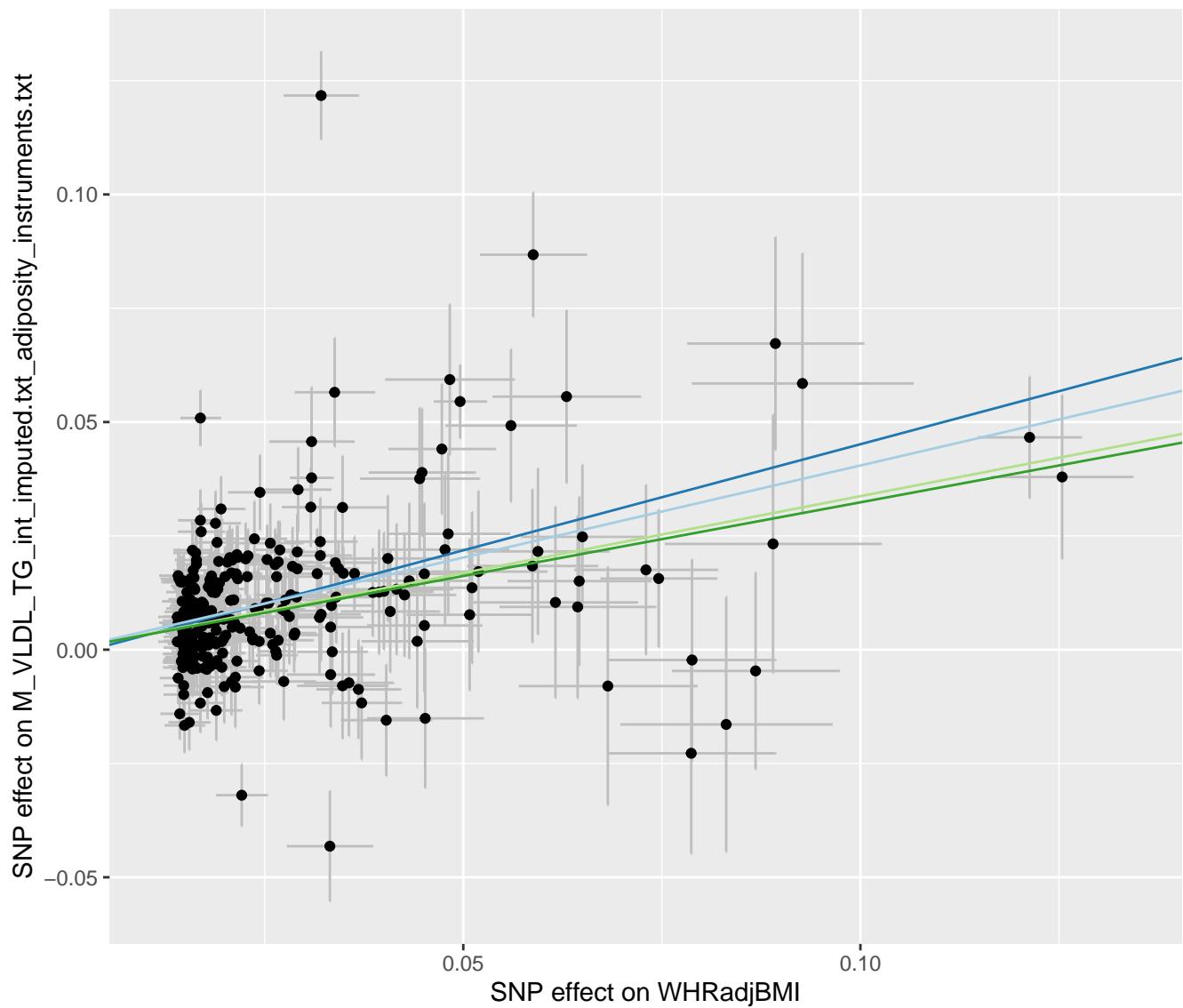
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



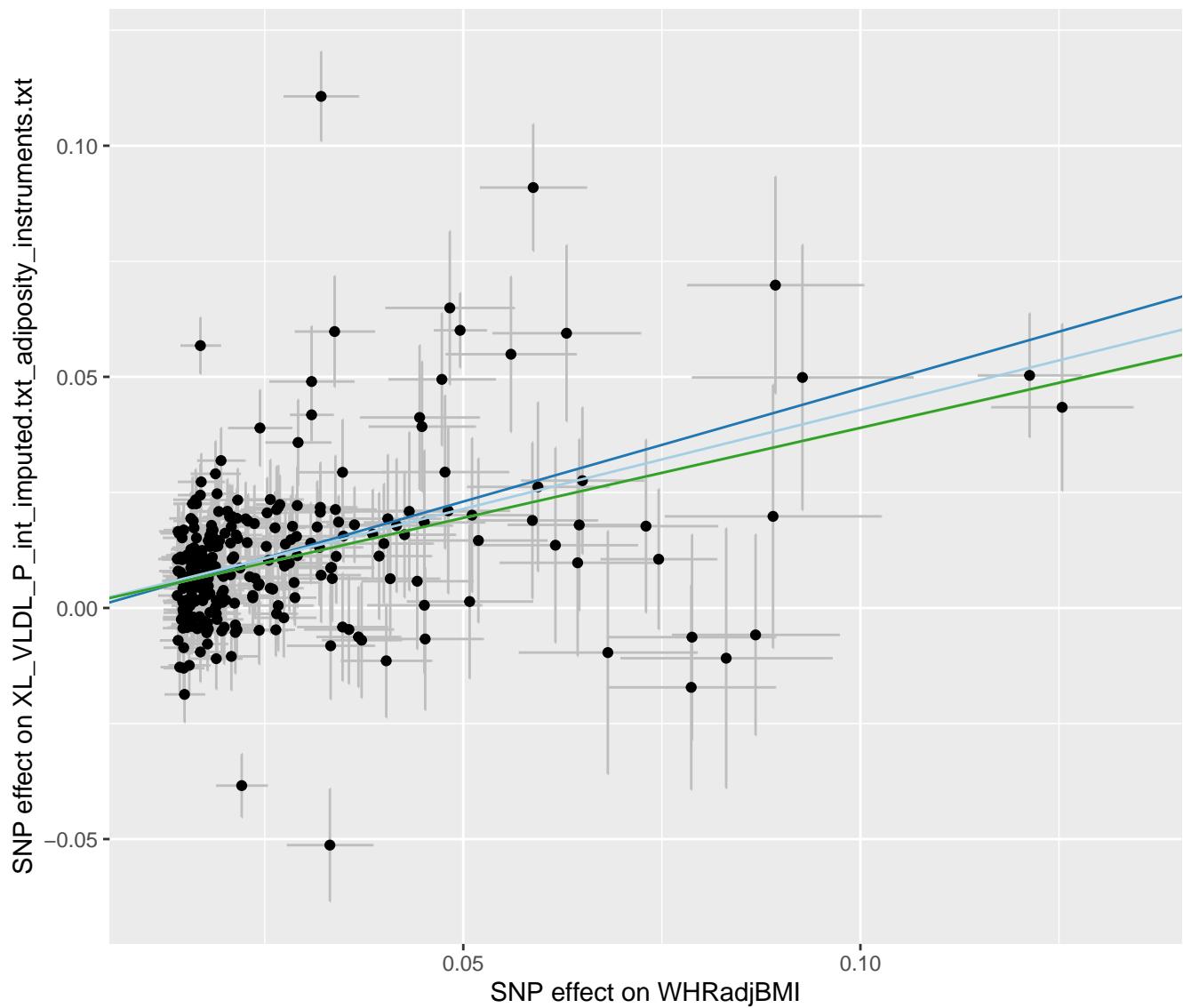
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger

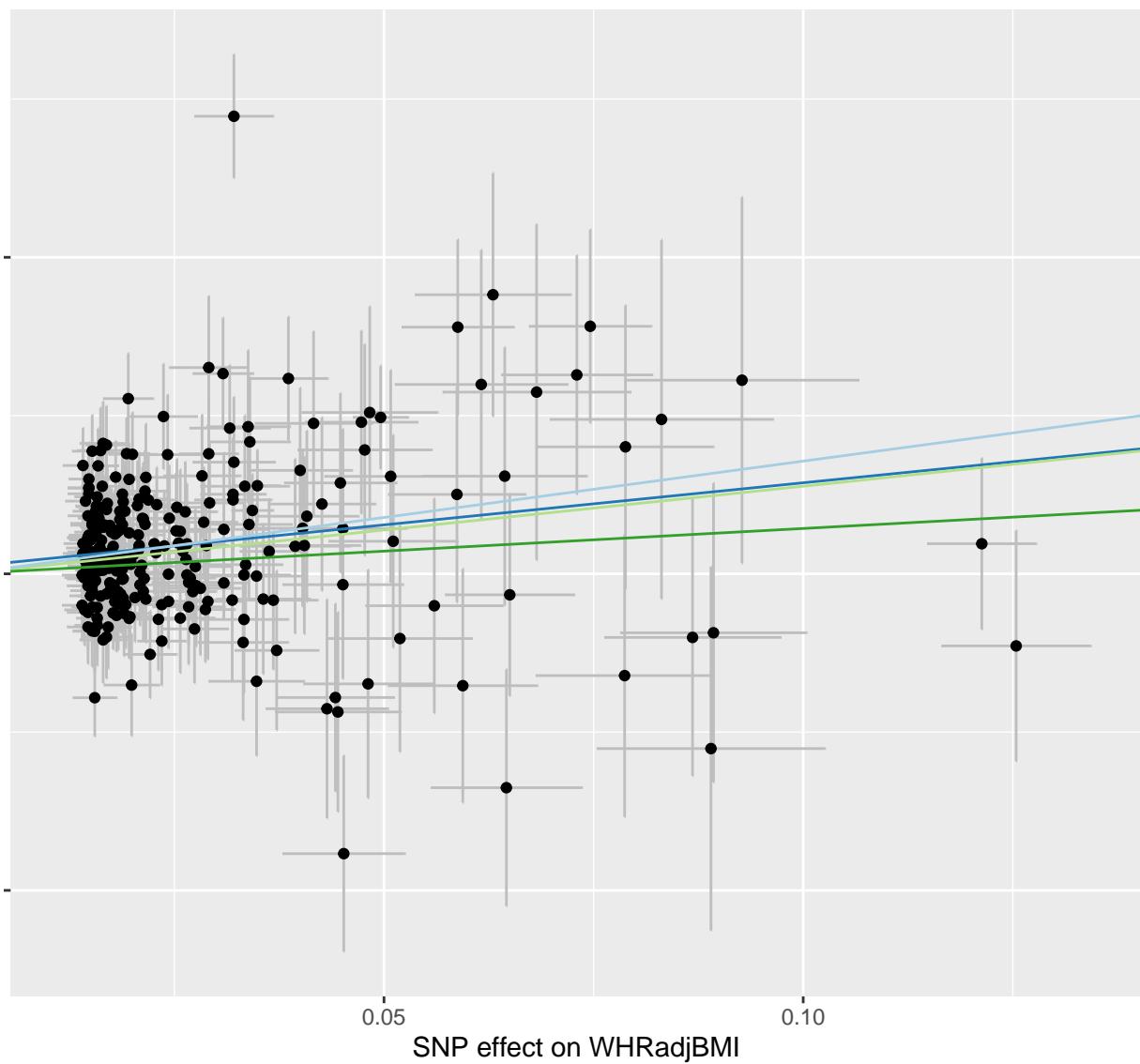


Weighted median



Weighted mode

SNP effect on S\_HDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



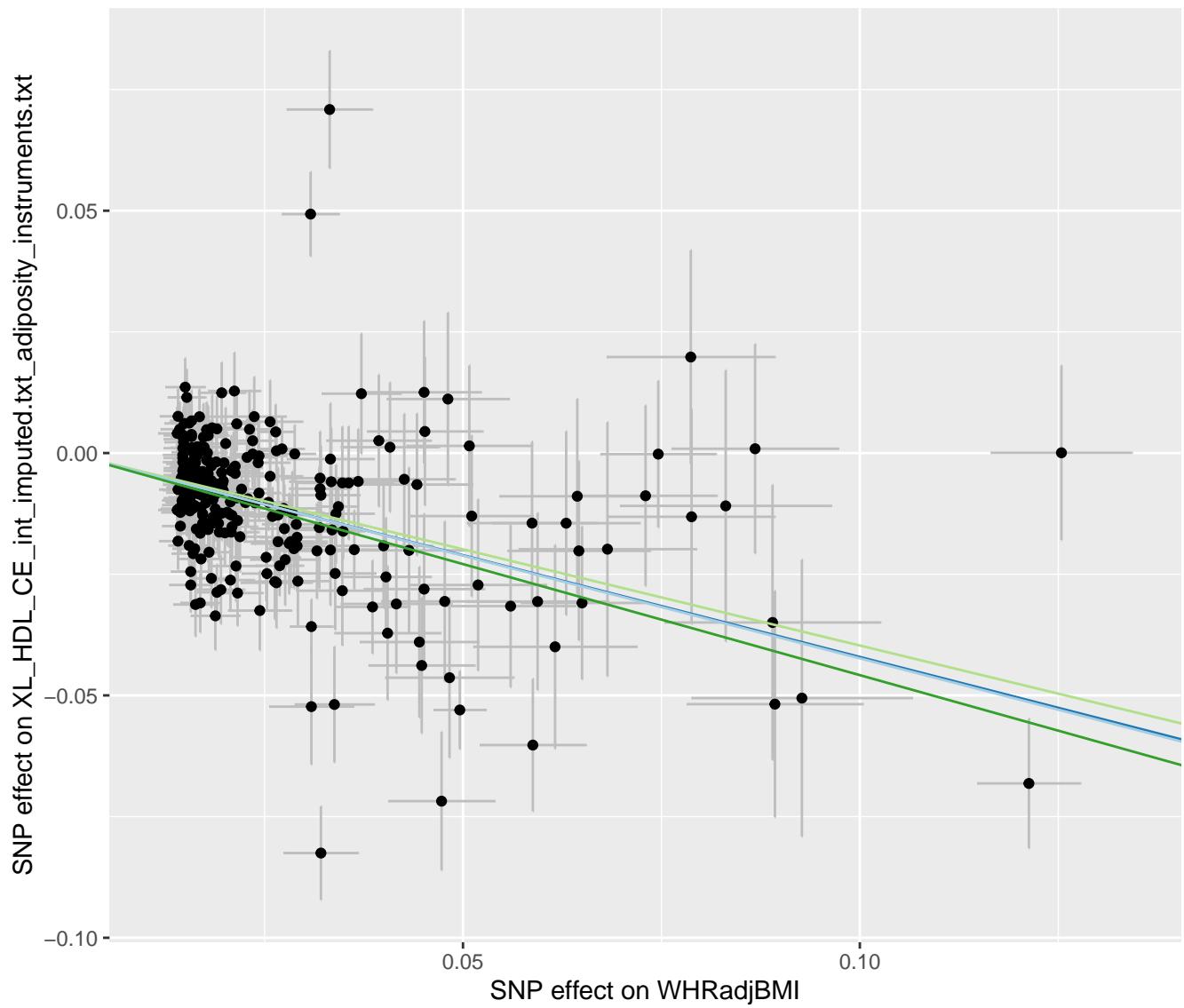
MR Egger



Weighted median



Weighted mode



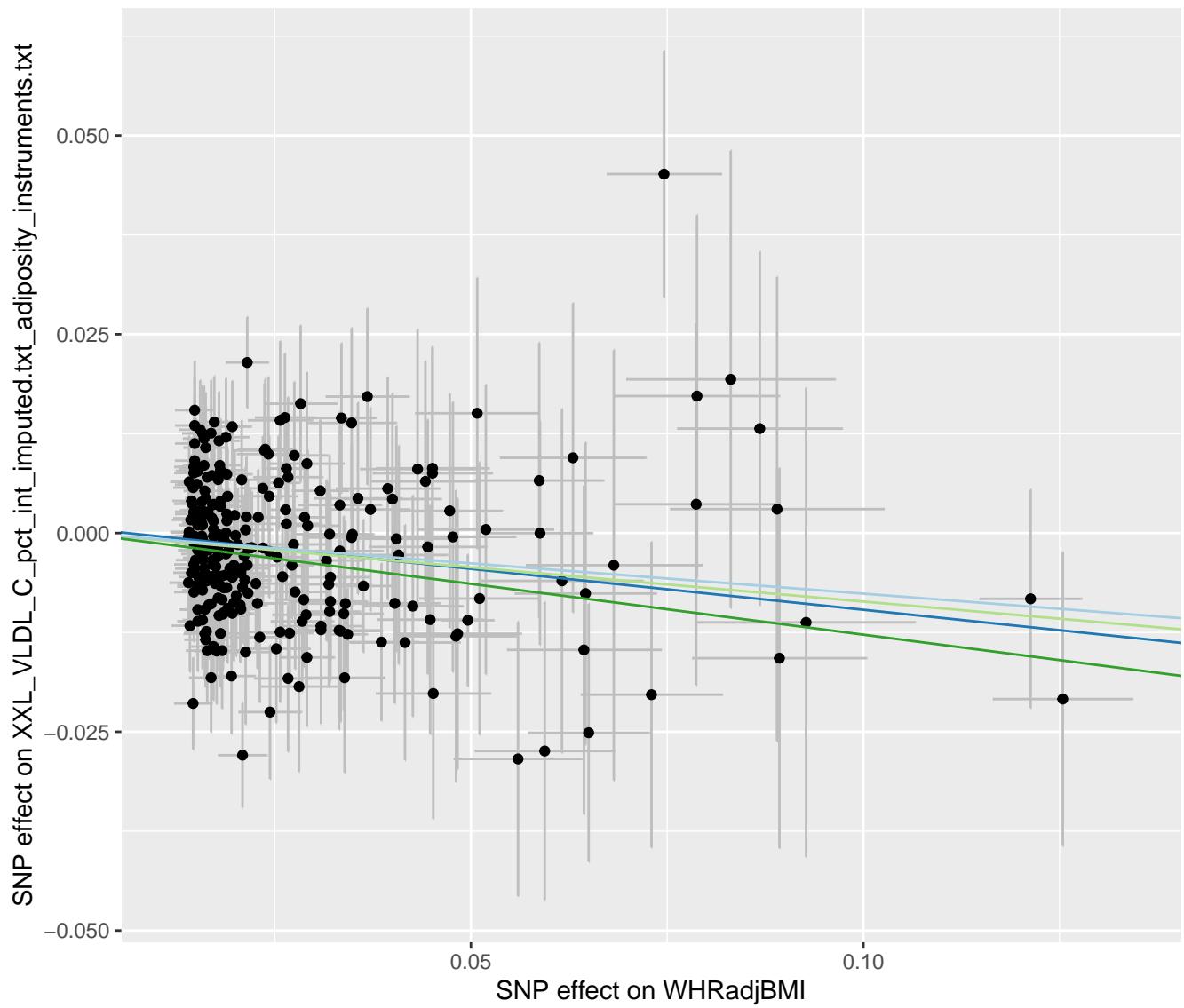
## MR Test



Inverse variance weighted (multiplicative random effects)  
MR Egger



Weighted median  
Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

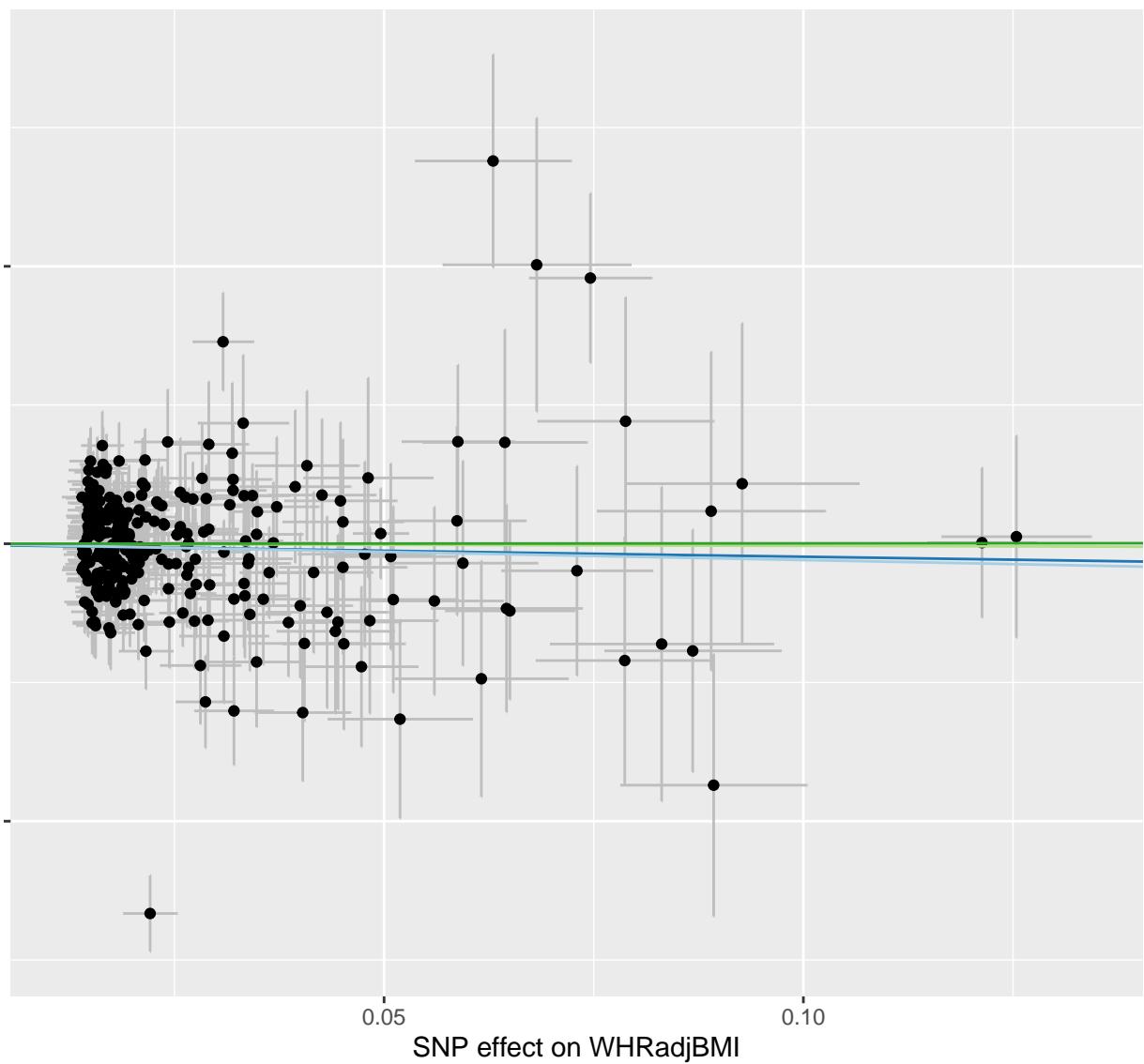


Weighted median



Weighted mode

SNP effect on L\_LDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



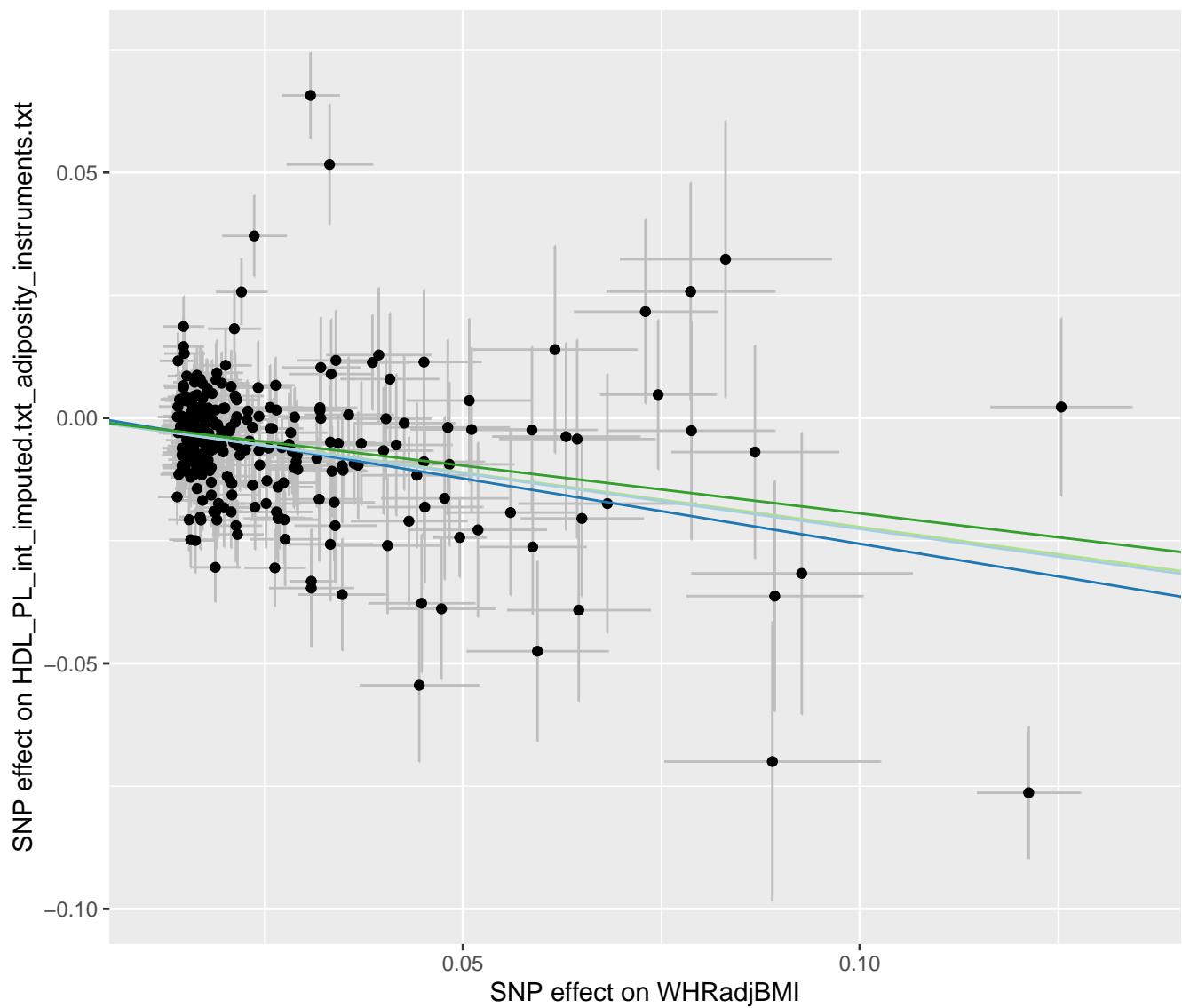
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



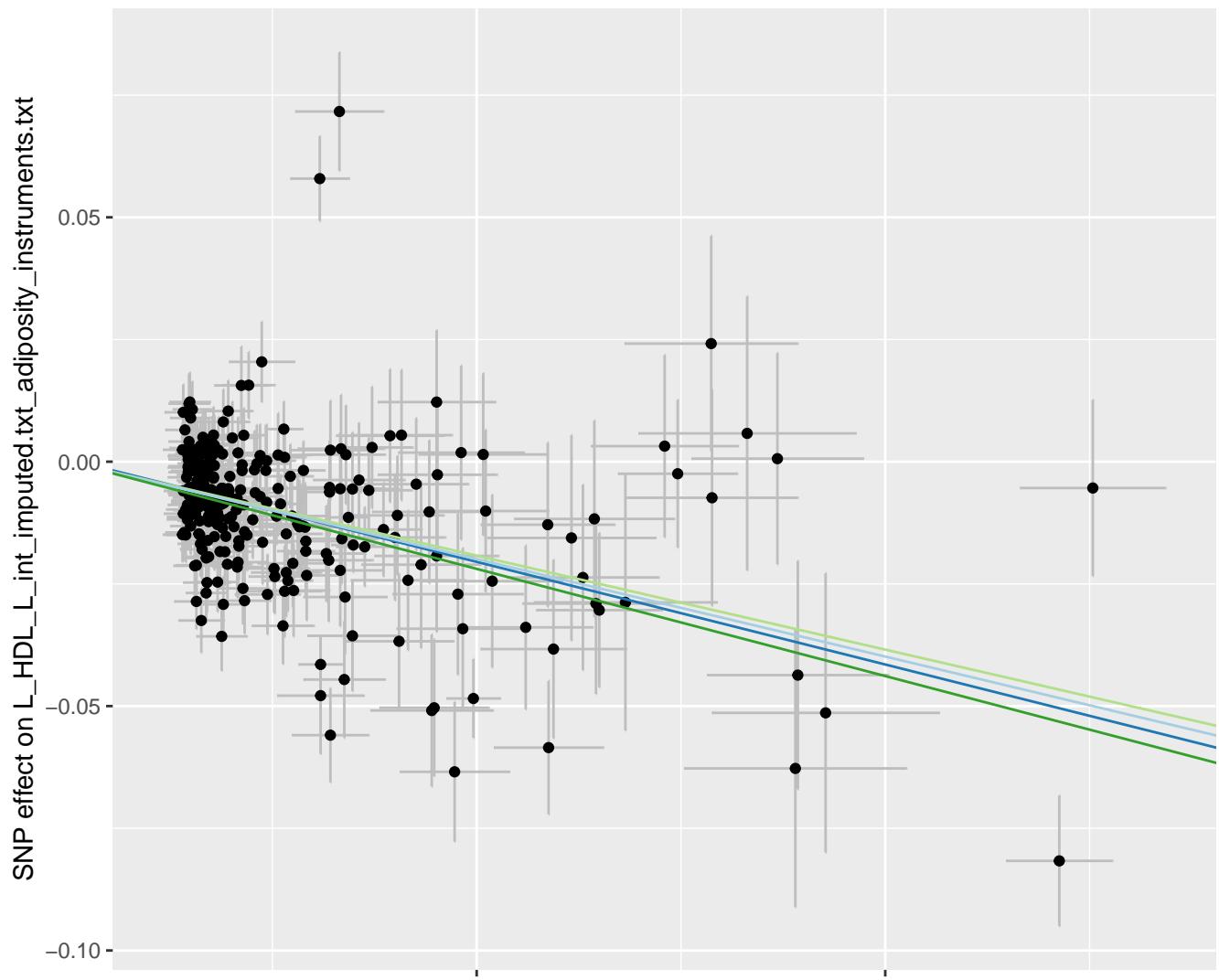
Weighted median



Weighted mode

SNP effect on L\_HDL\_L\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

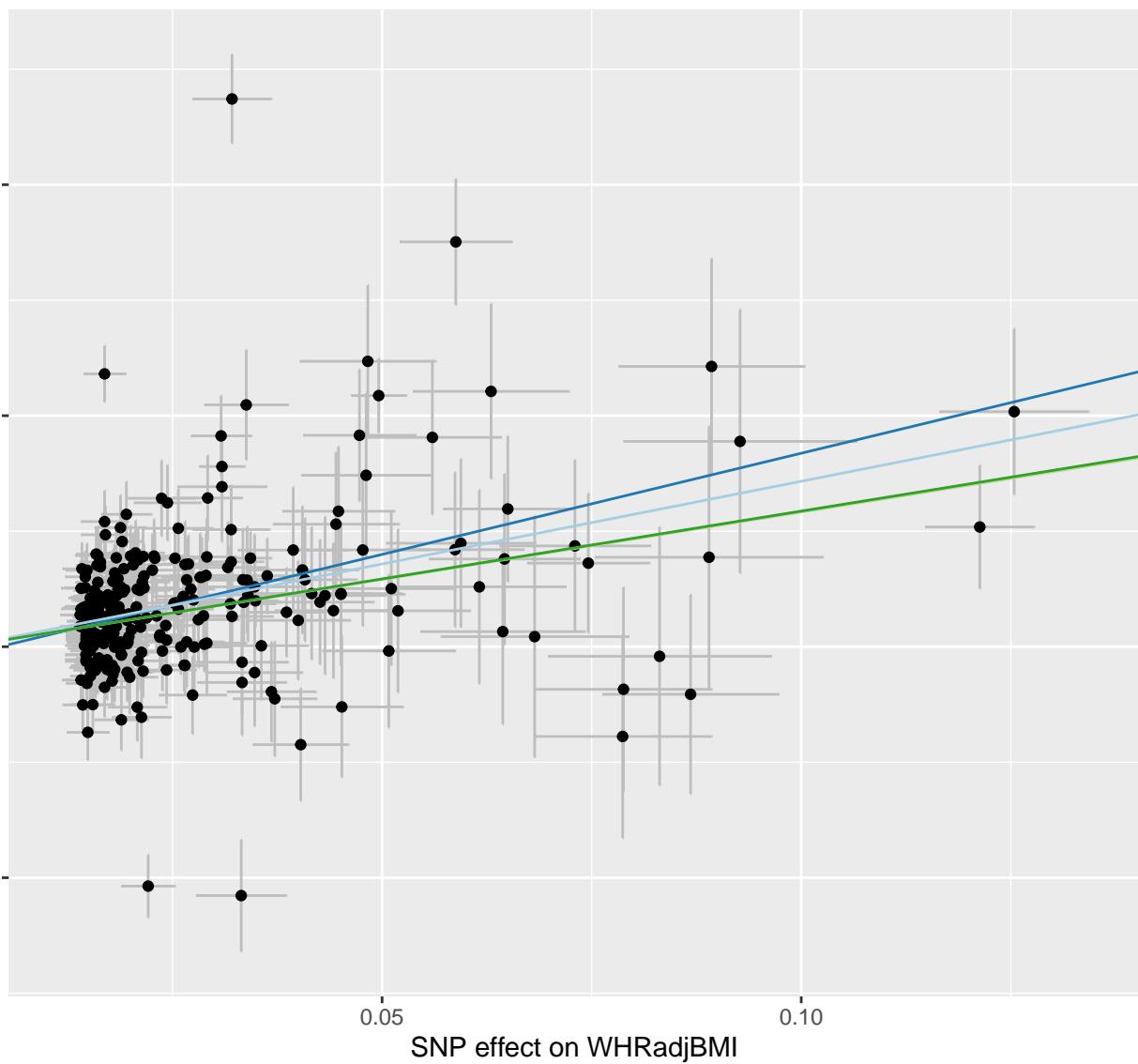


Weighted median



Weighted mode

SNP effect on S\_LDL\_TG\_int\_imputed.txt\_adiposity\_instruments.txt



MR Test

A blue line that slopes upwards from left to right.

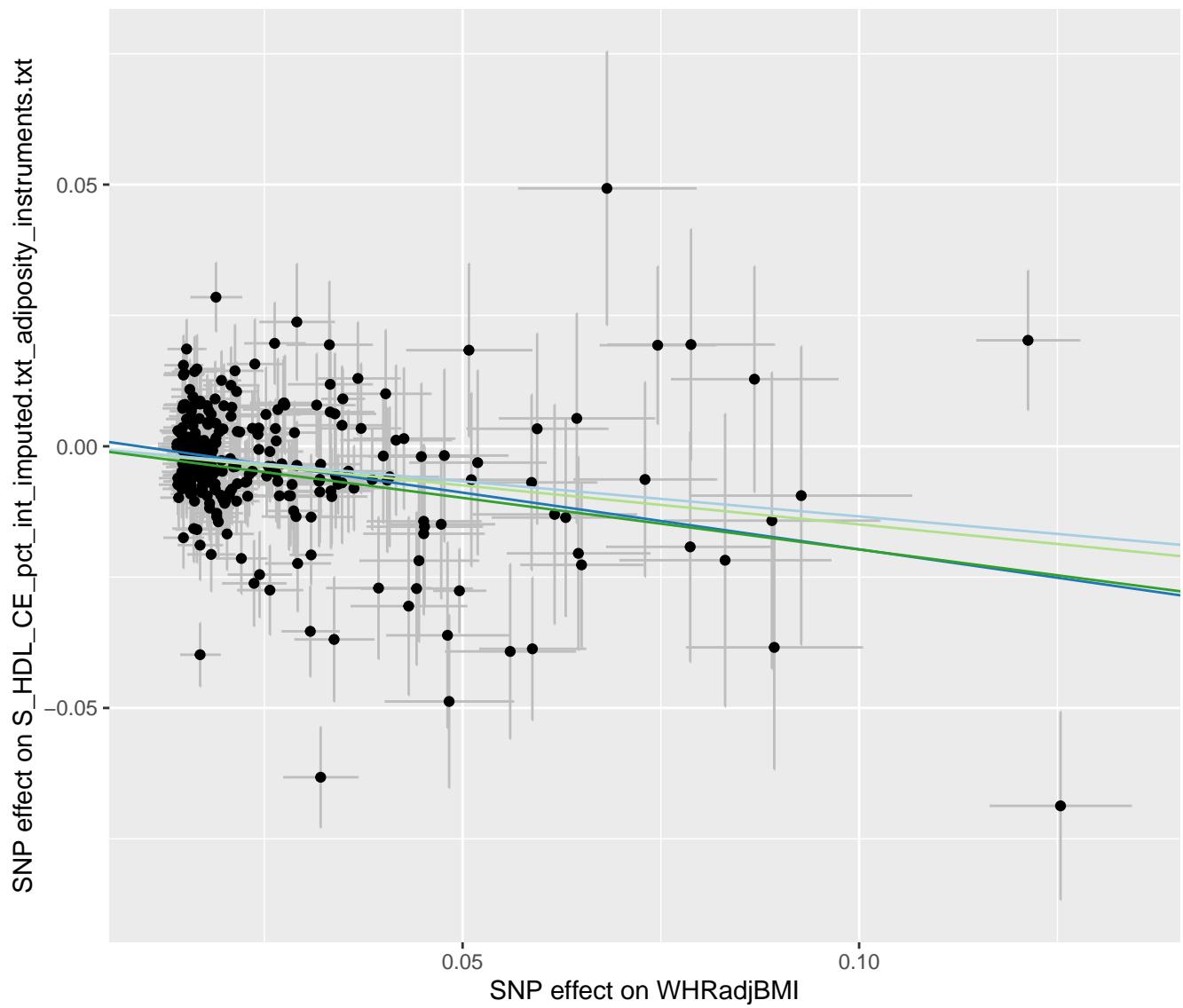
### Inverse variance weighted (multiplicative random effects)

MR Egger

100

## Weighted median

## Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



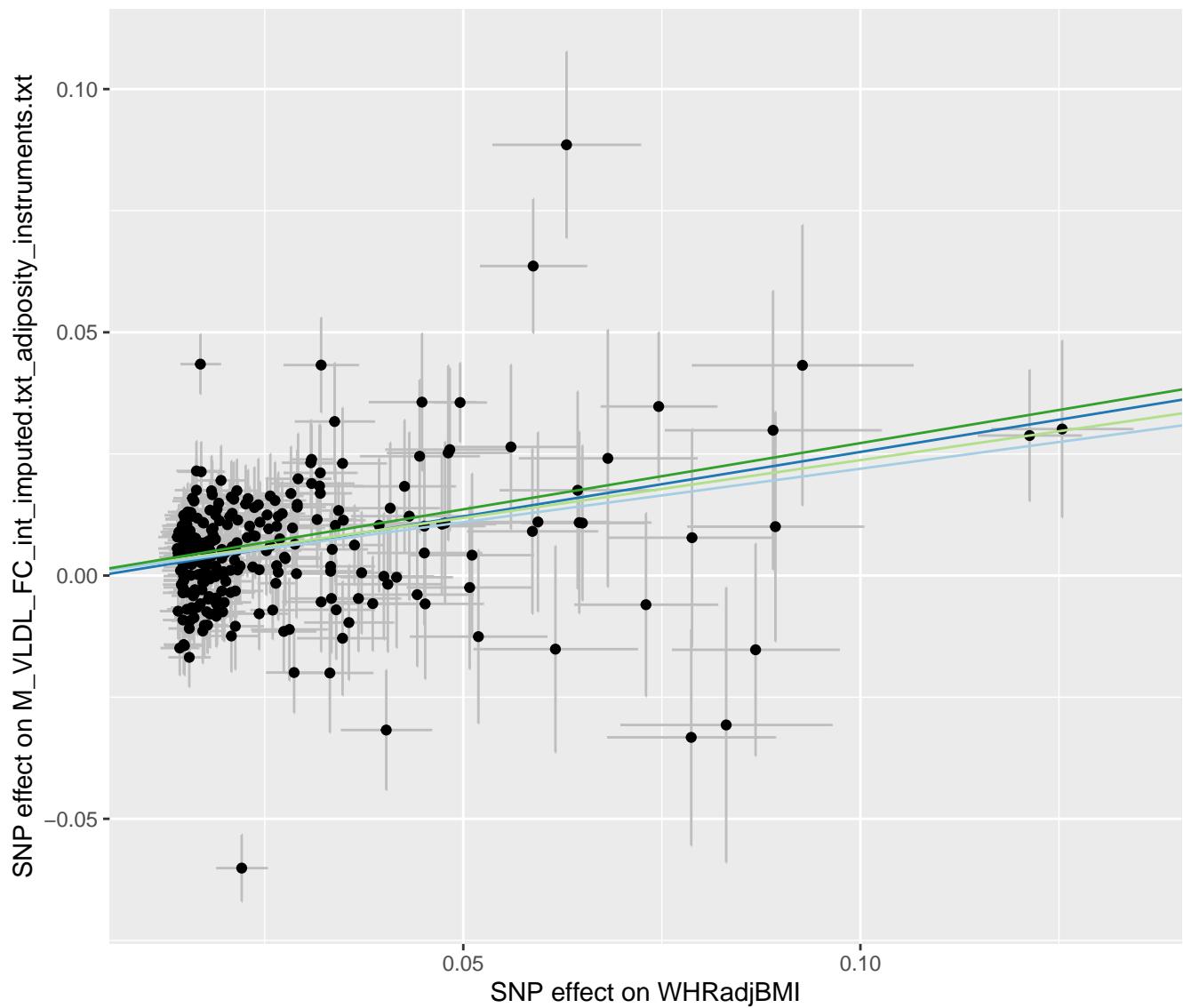
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

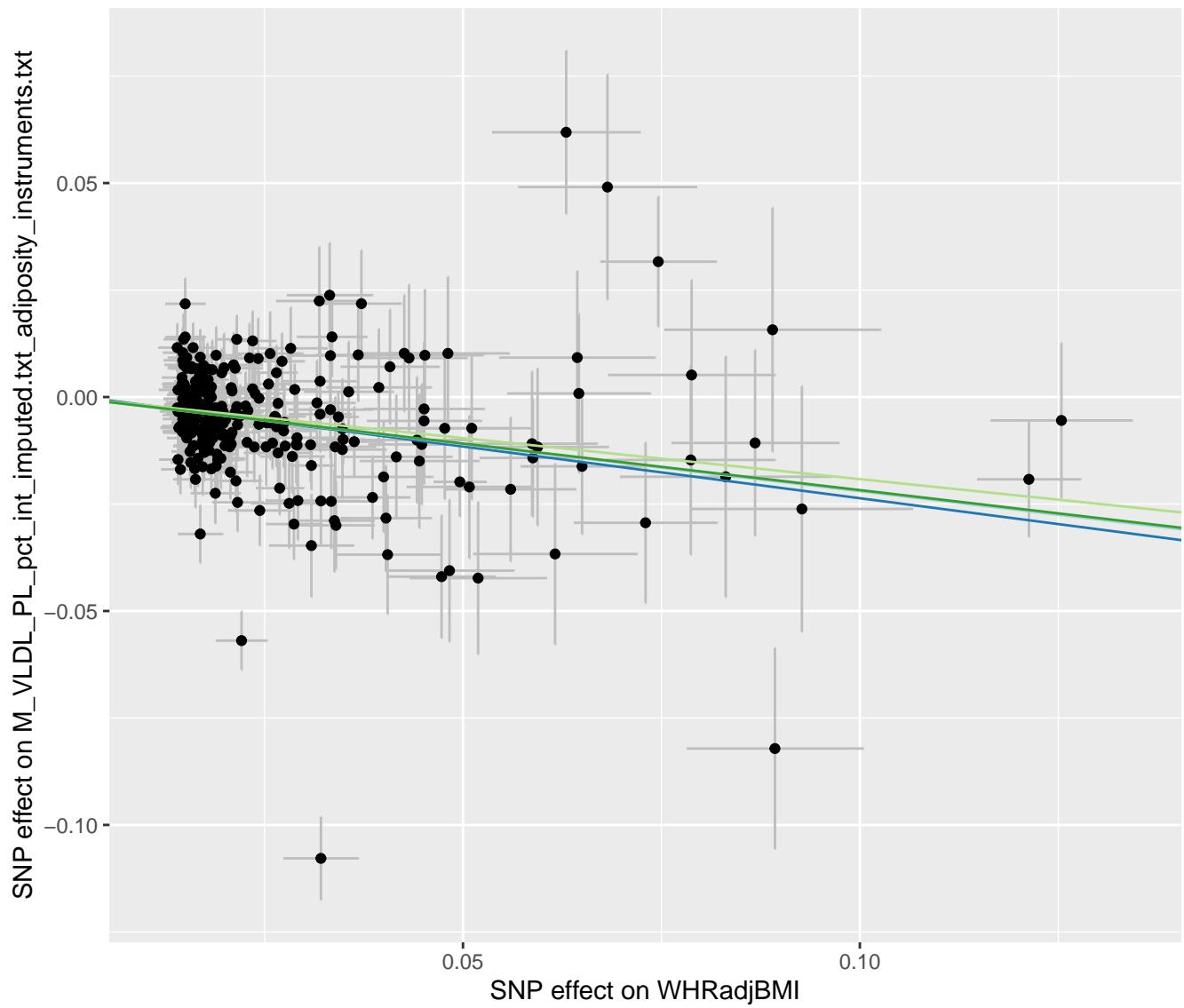
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)

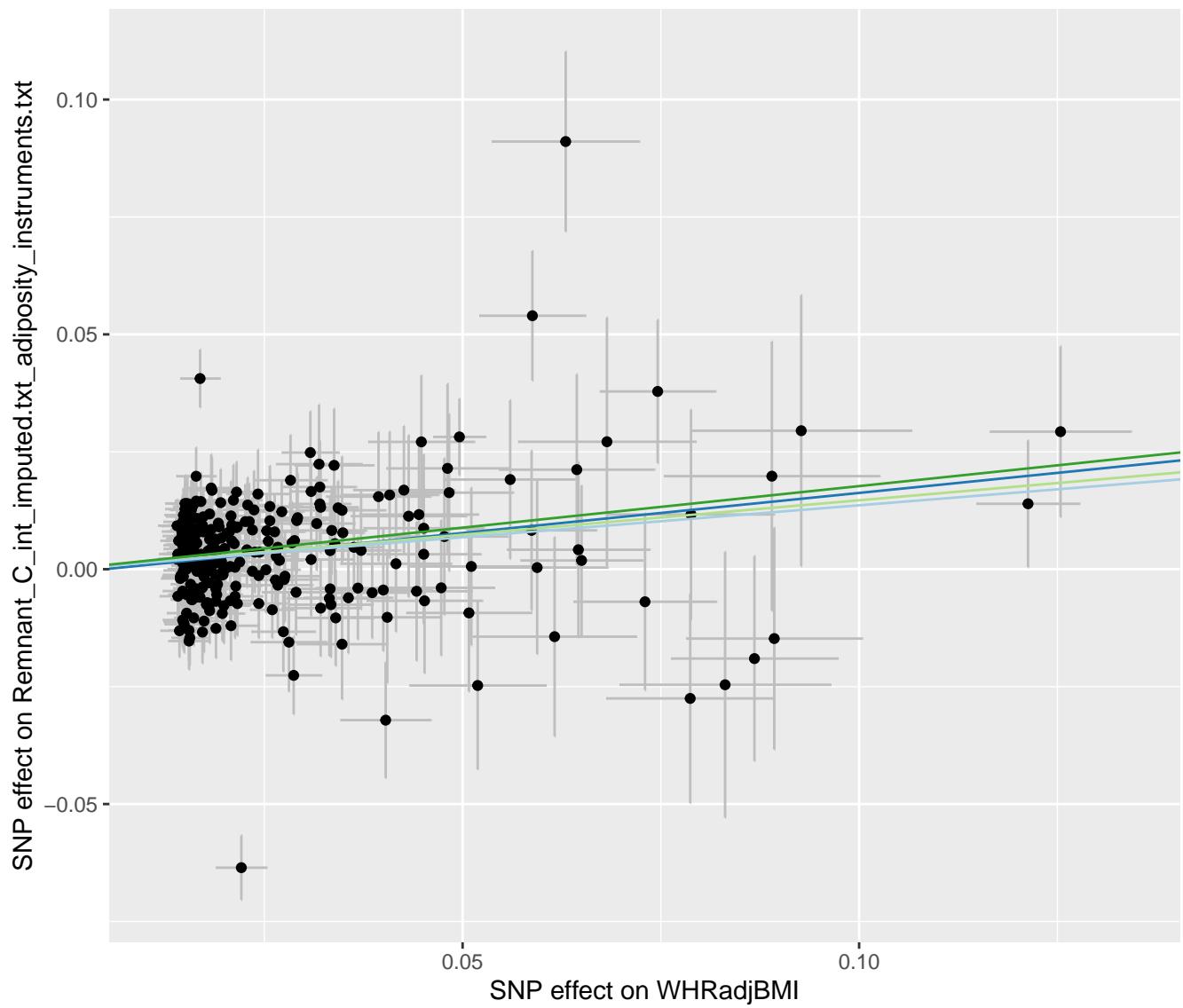
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



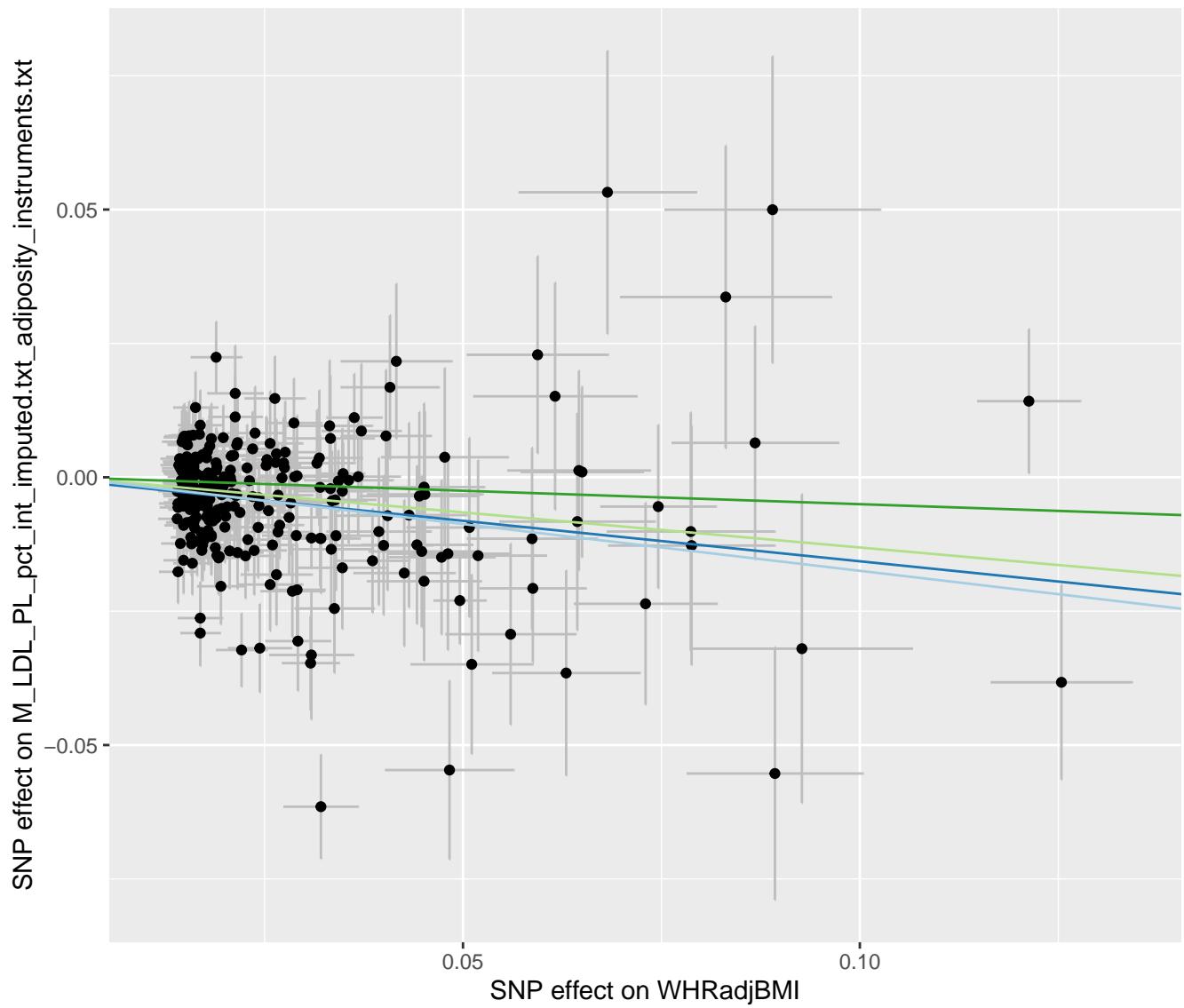
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



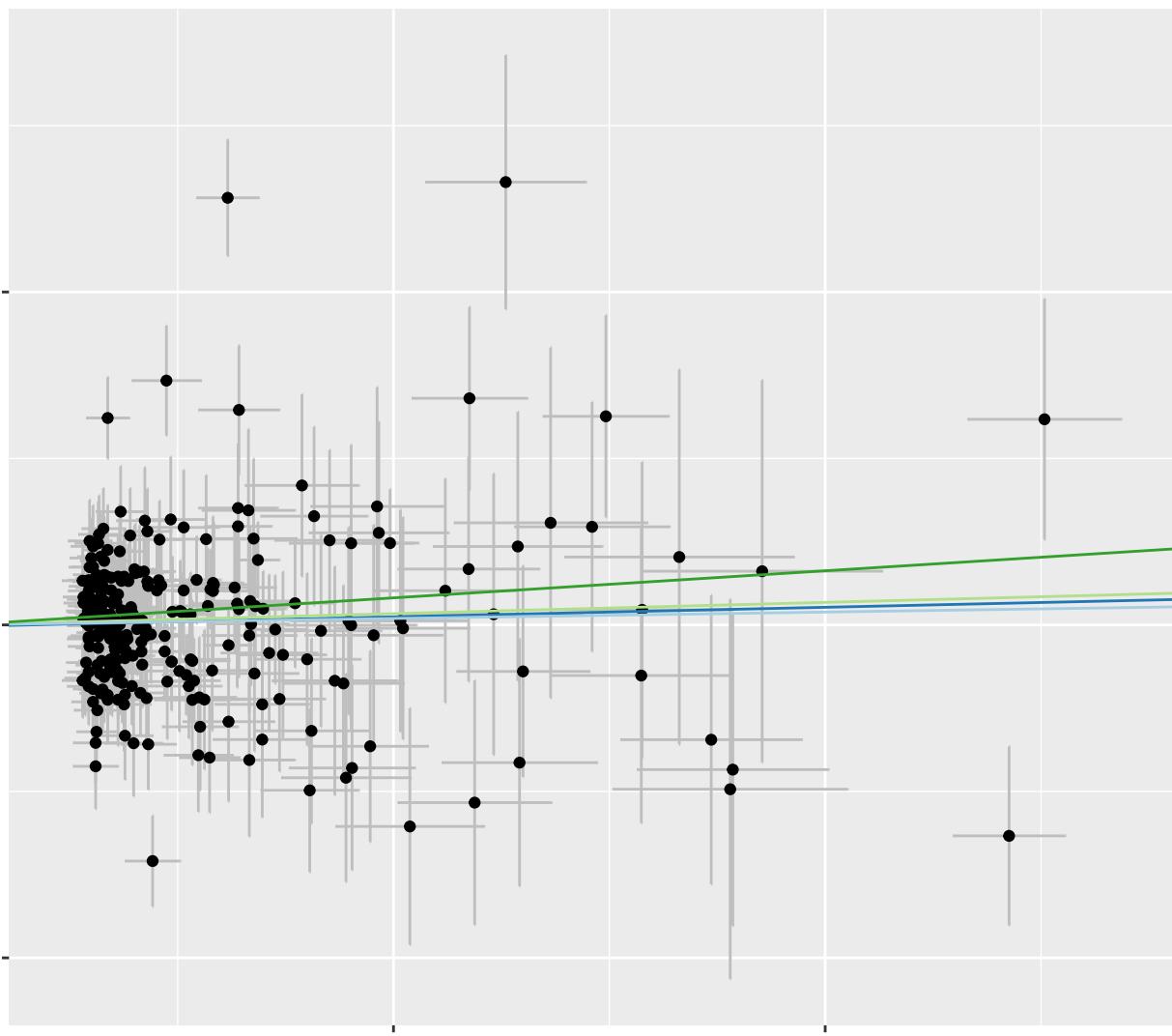
Weighted median



Weighted mode

SNP effect on Total\_PL\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



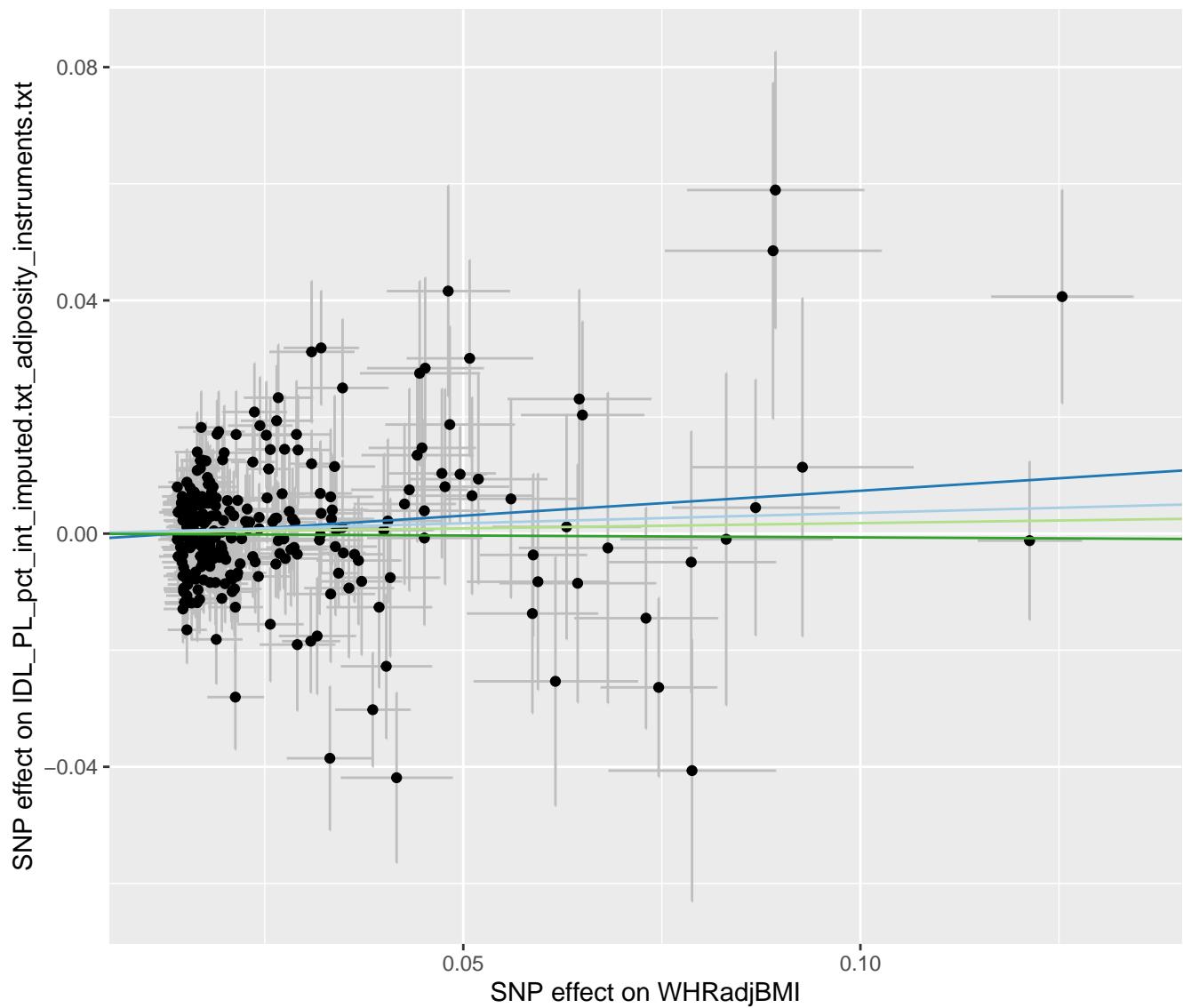
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



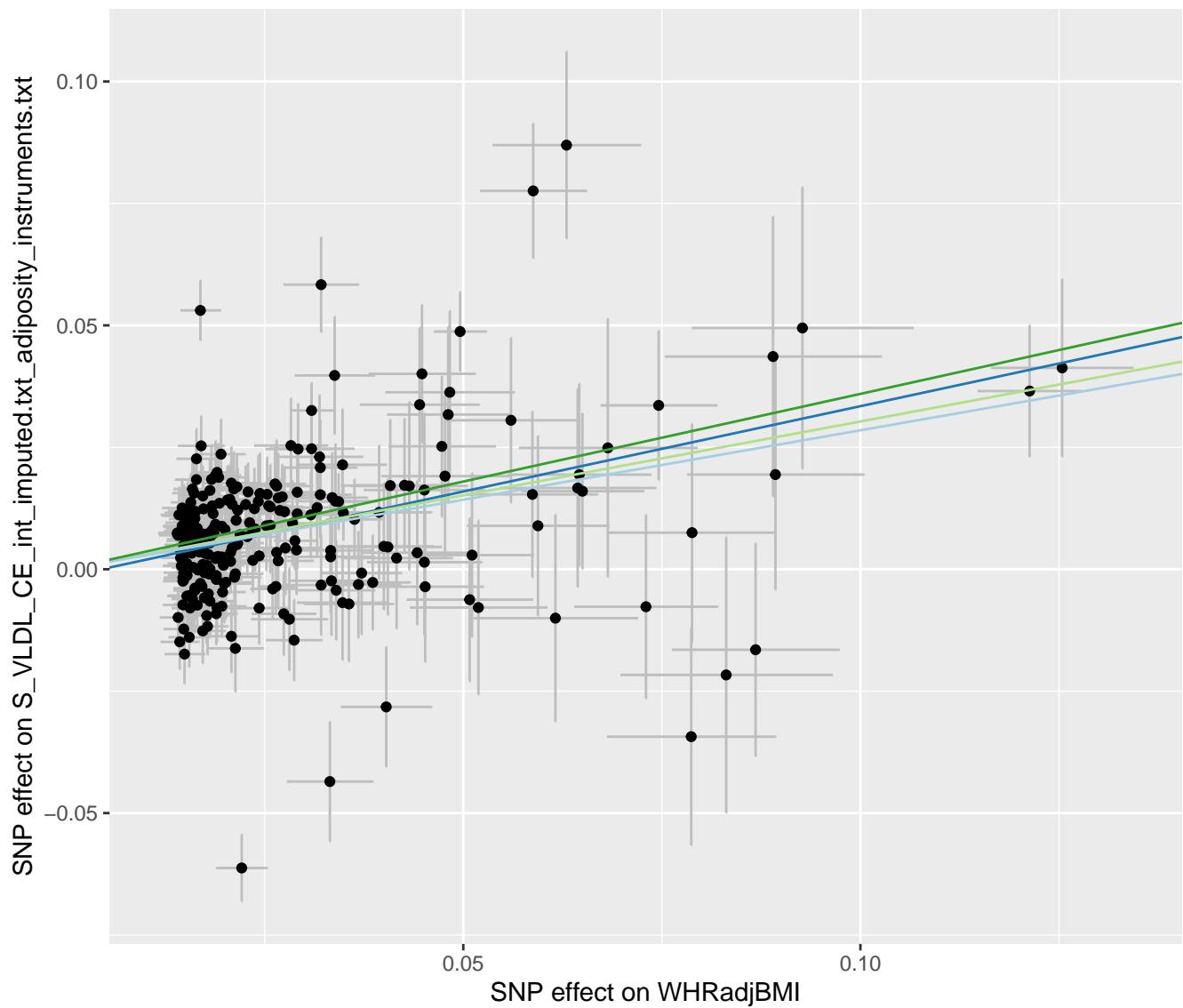
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



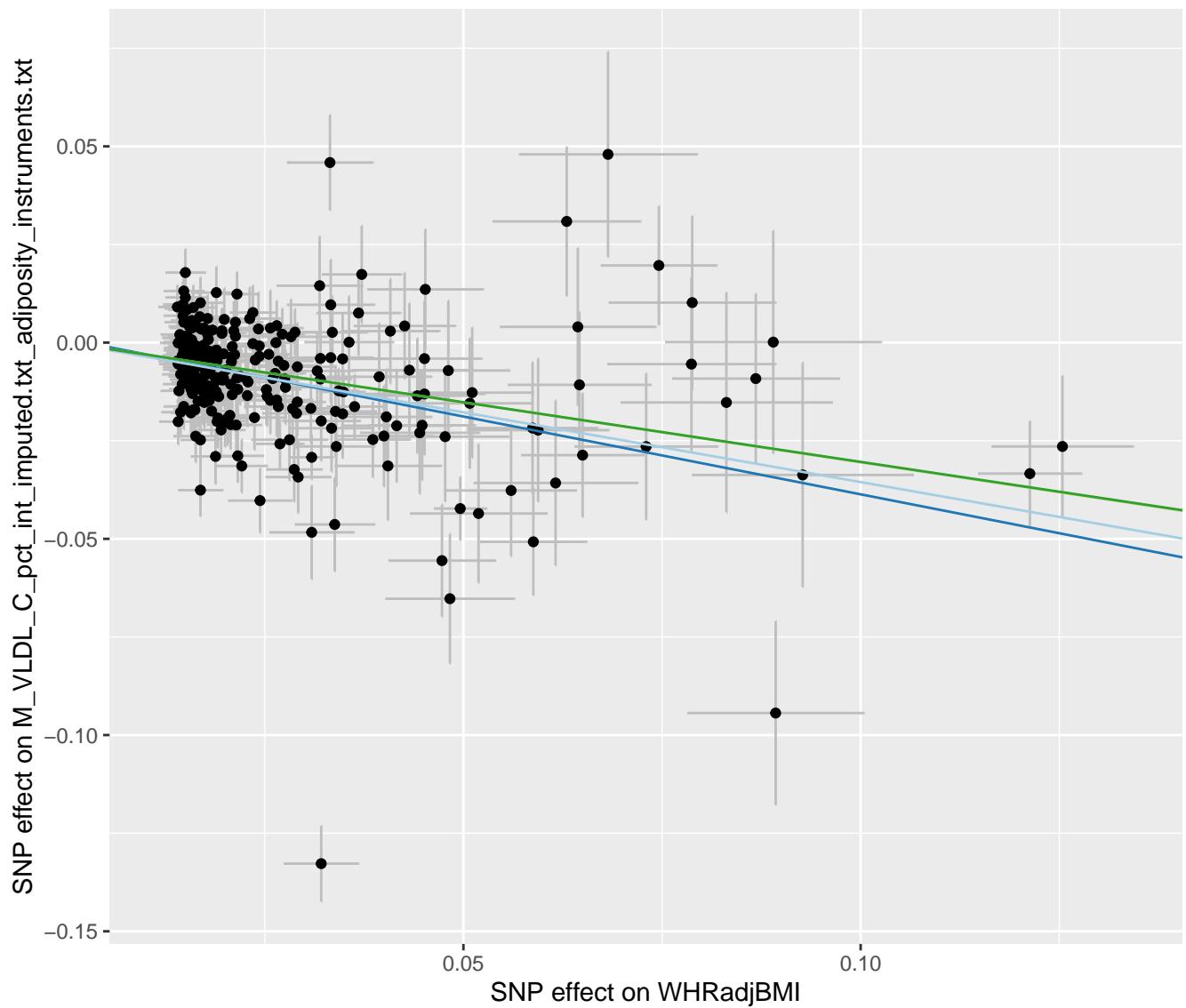
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



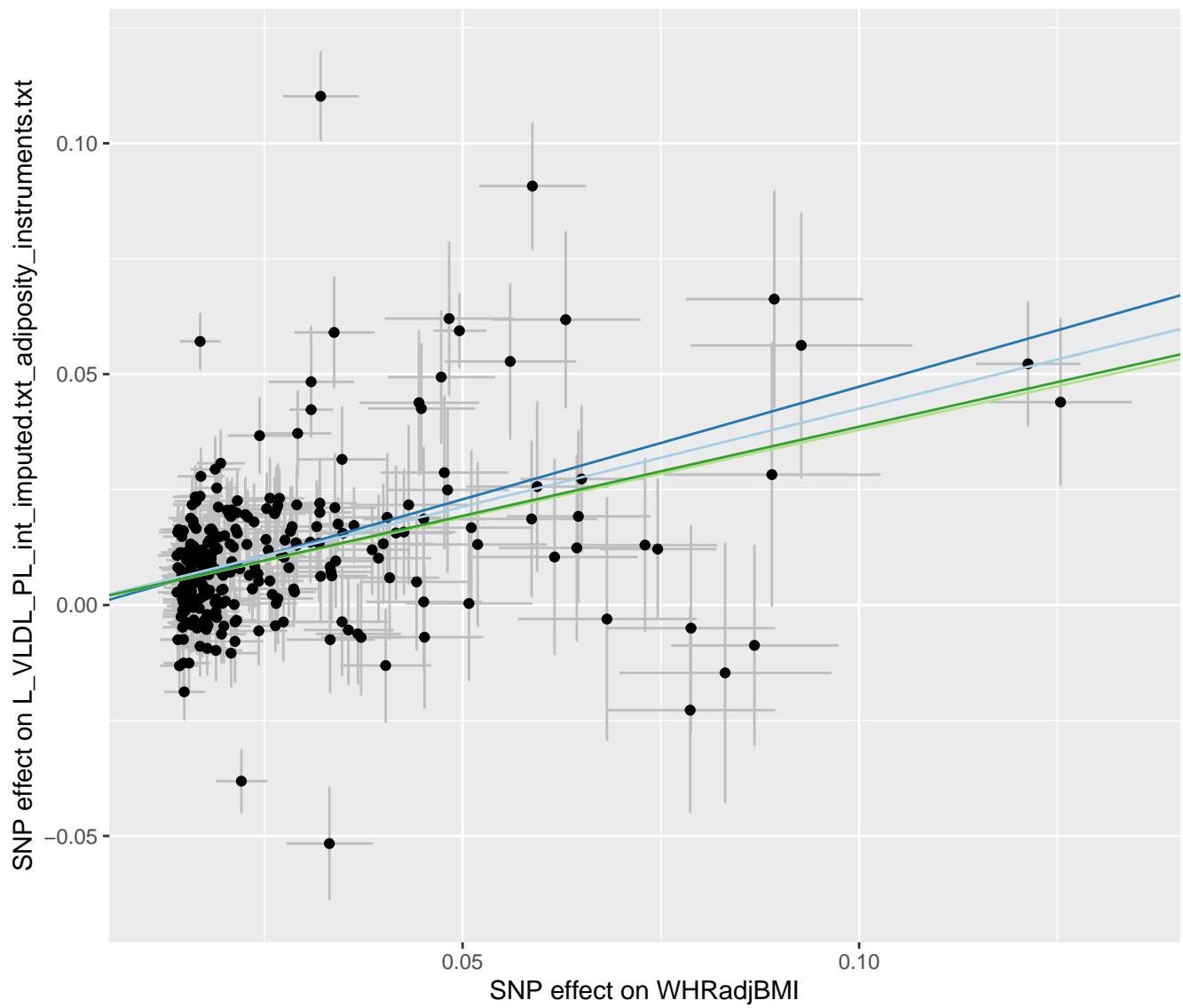
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



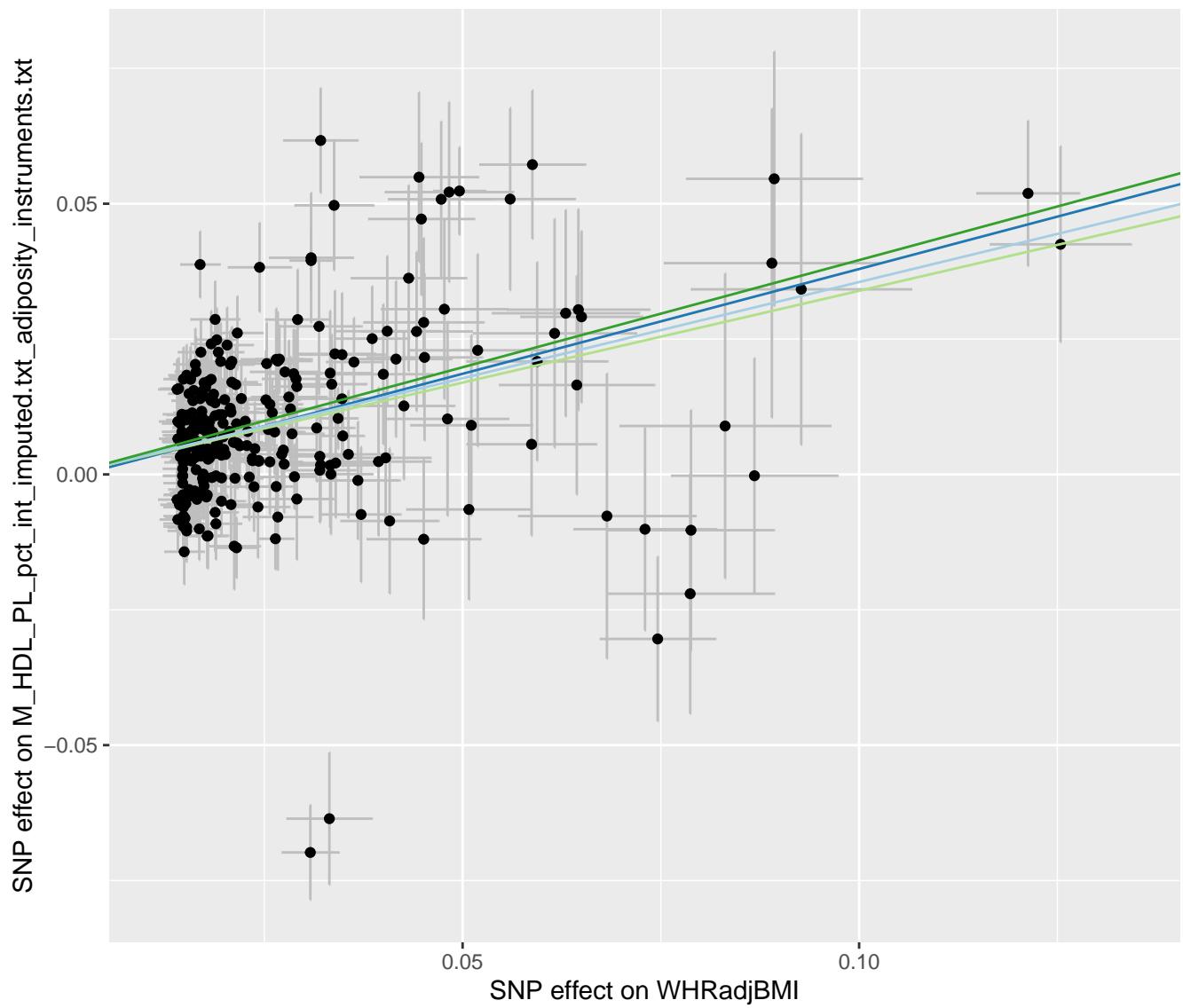
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



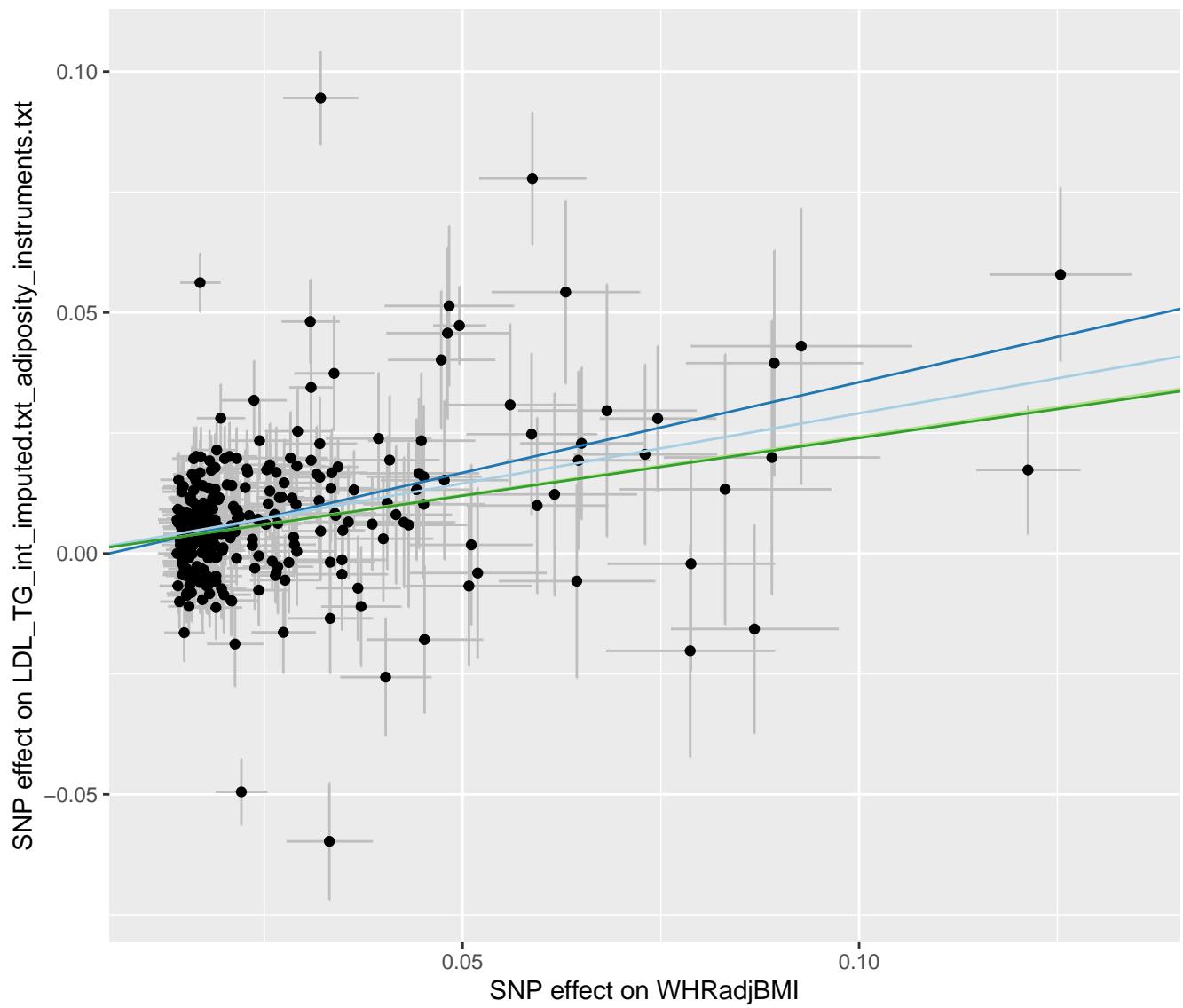
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



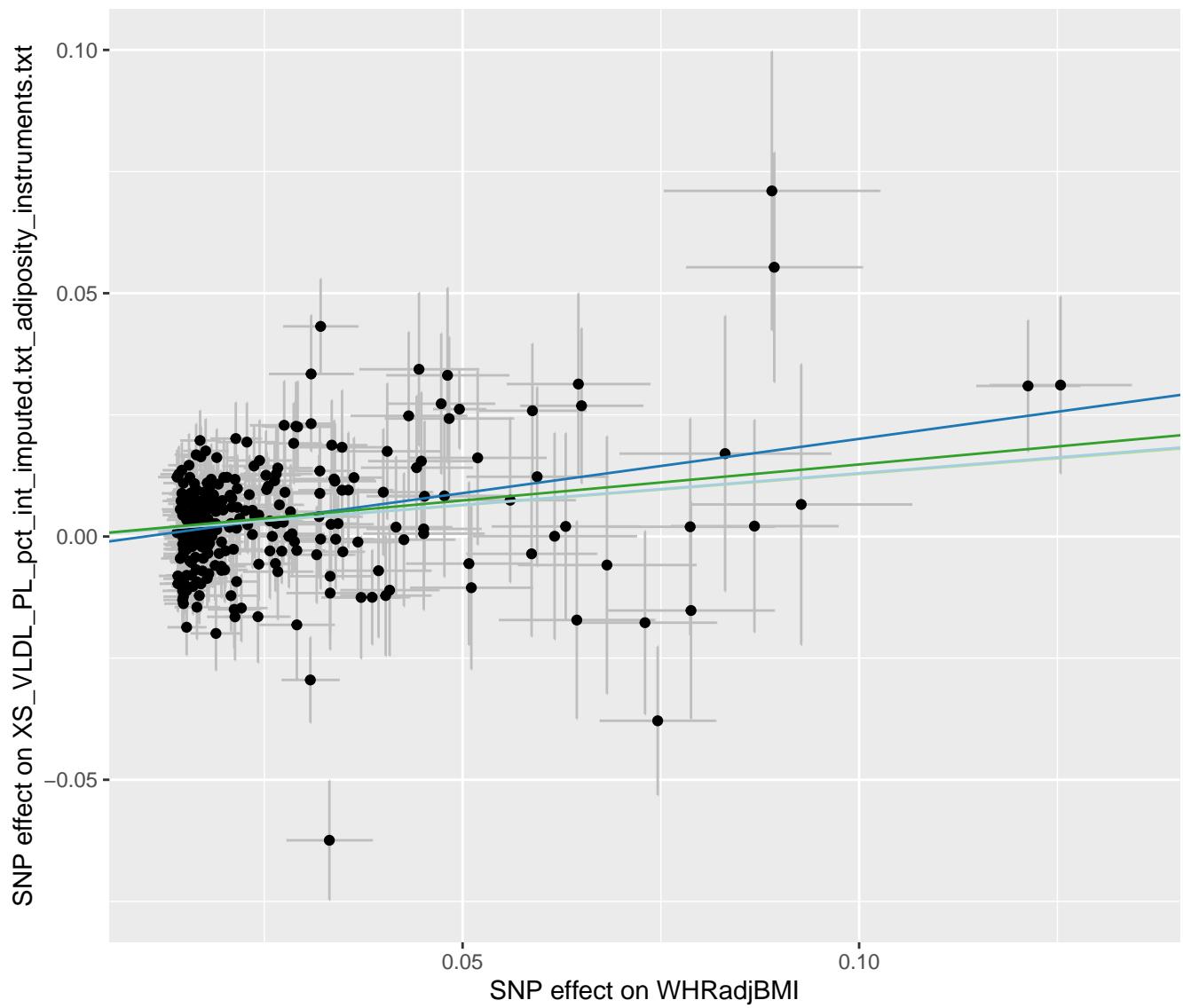
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



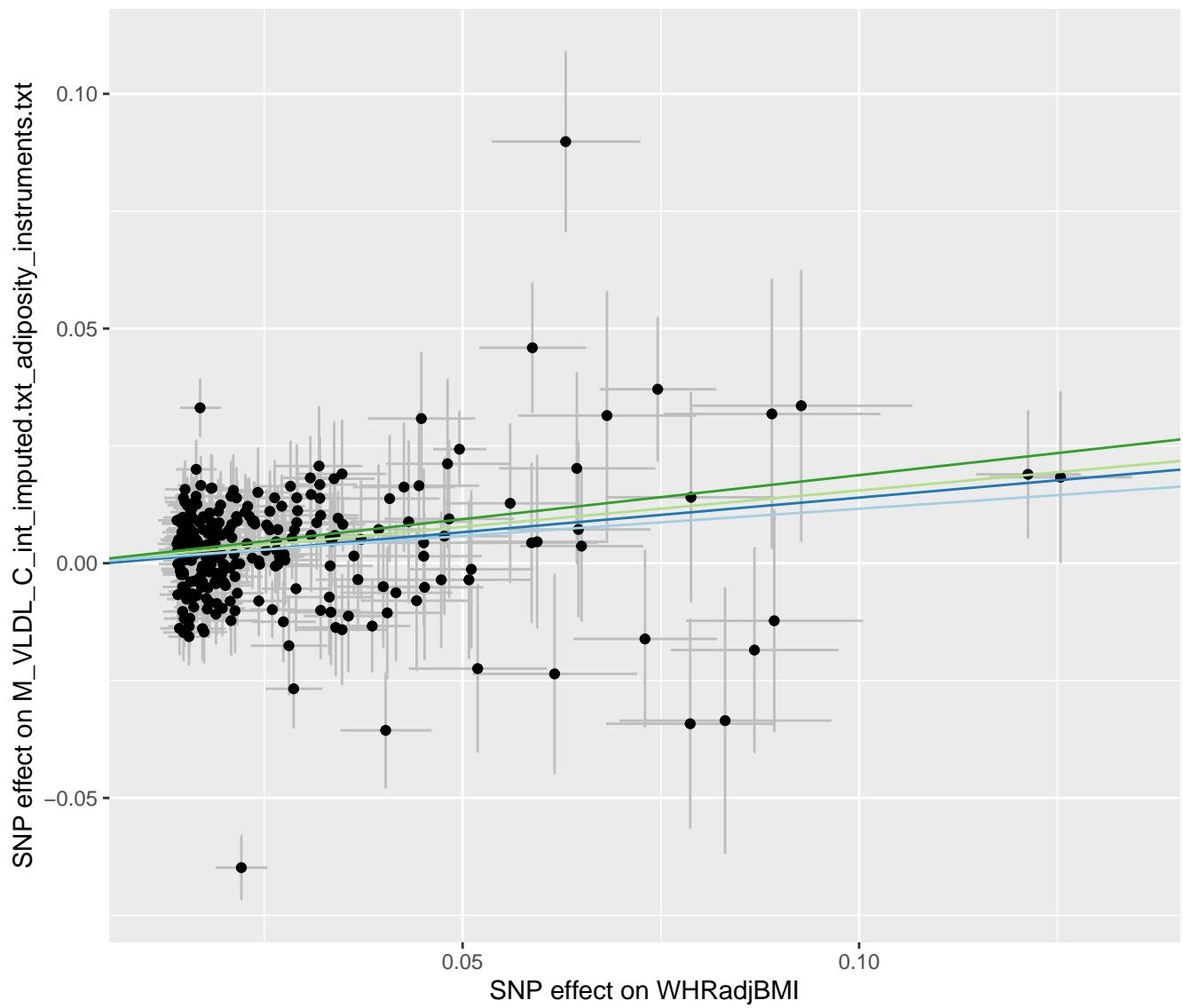
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



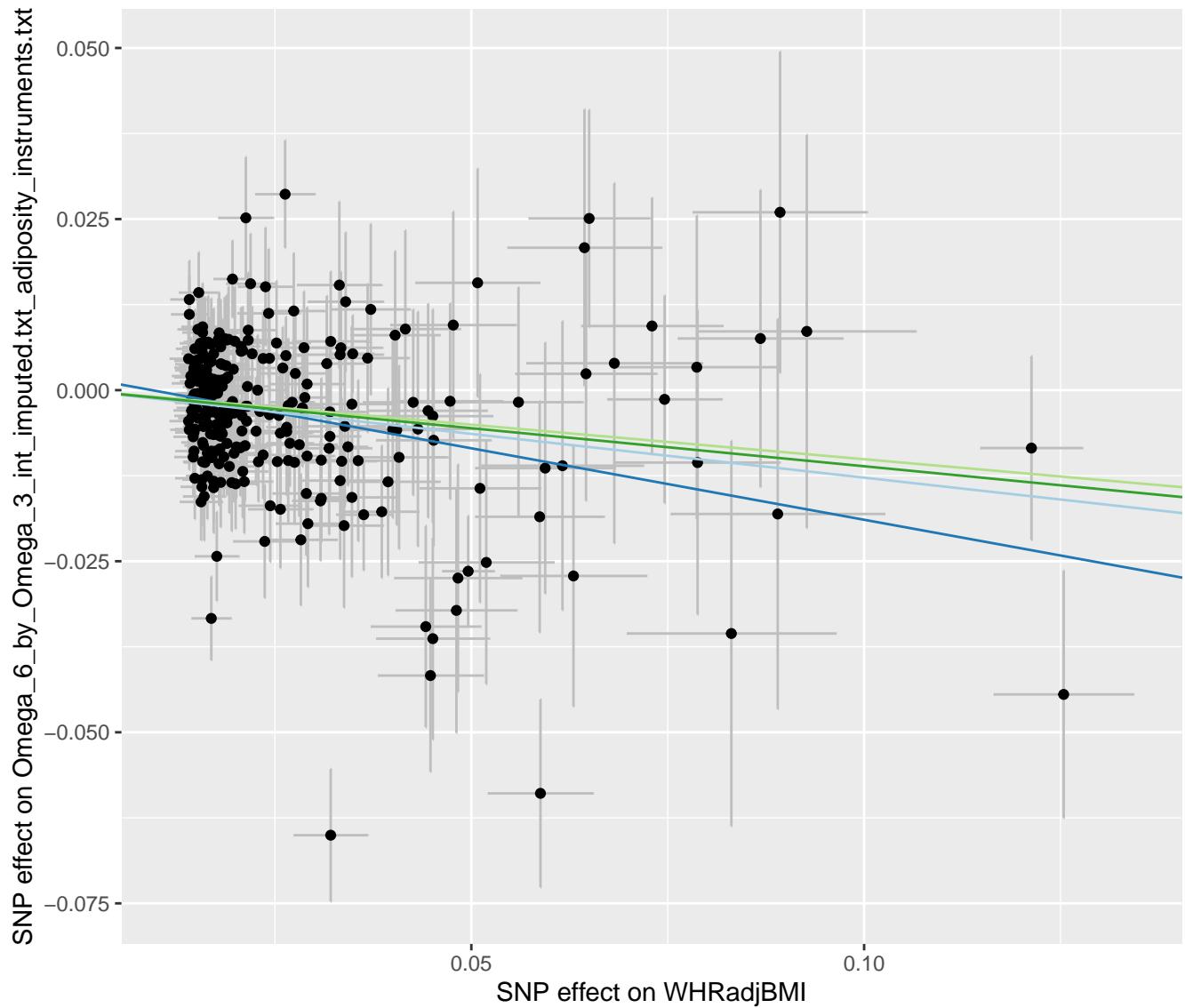
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



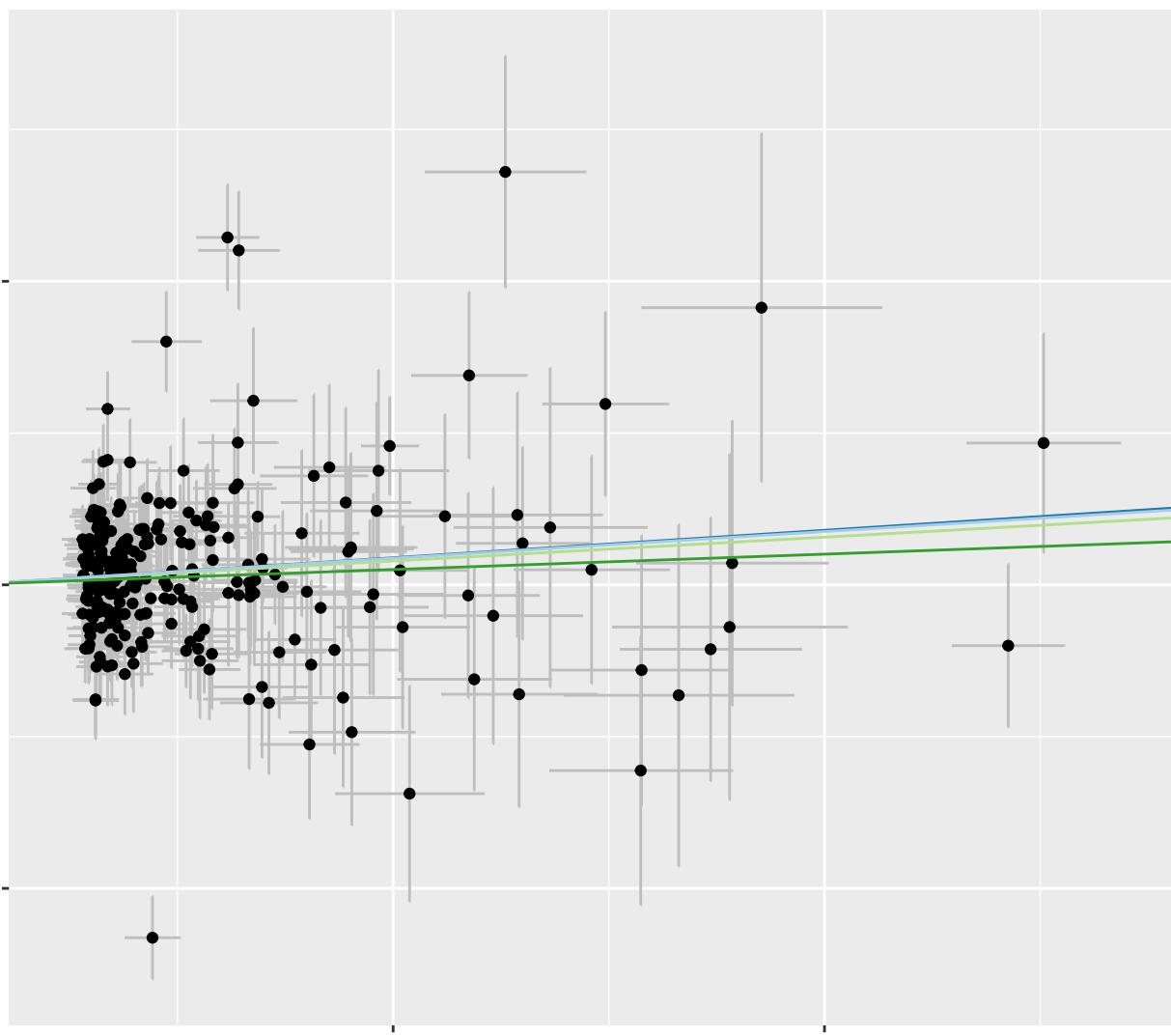
Weighted median



Weighted mode

SNP effect on LA\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)

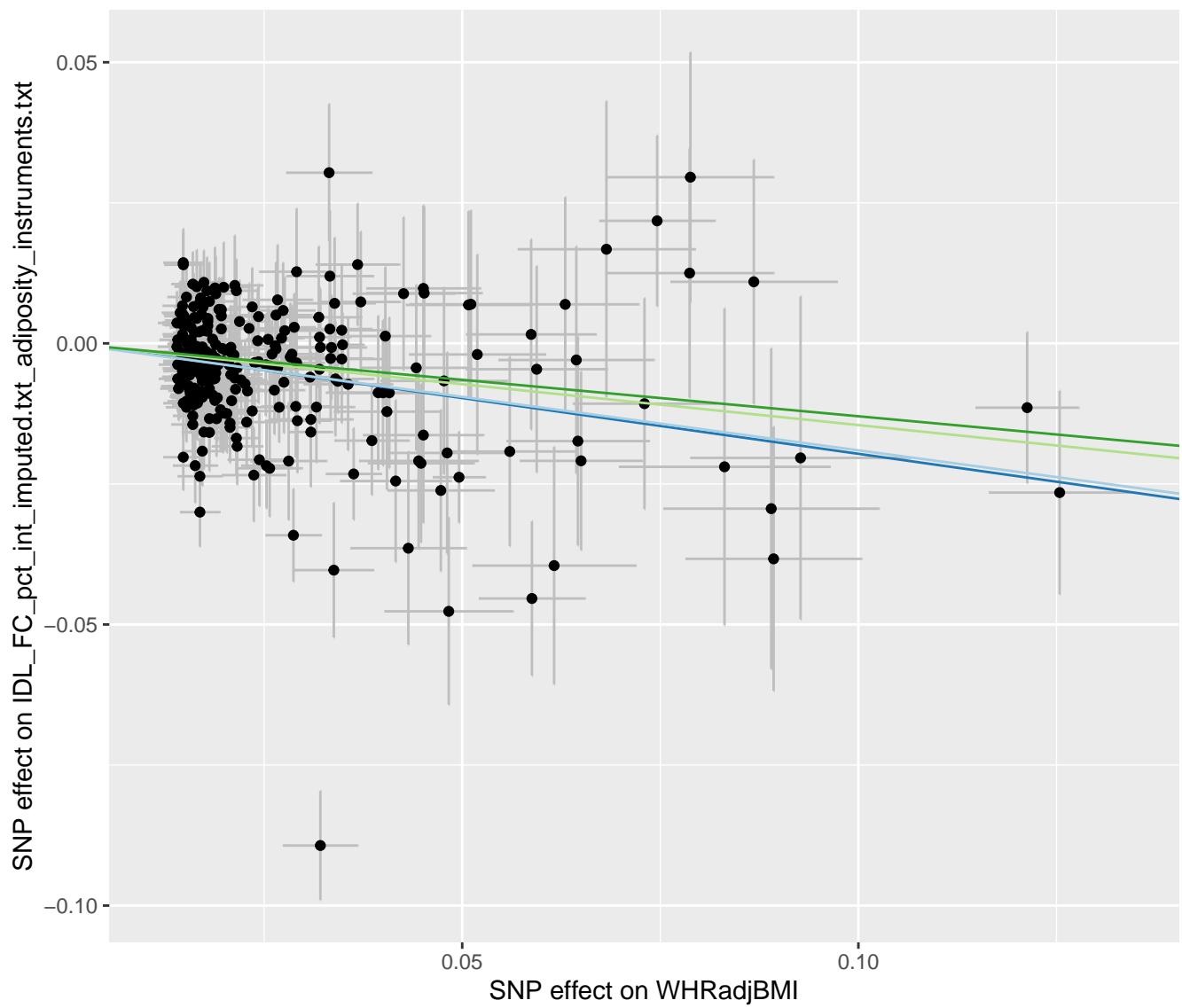
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



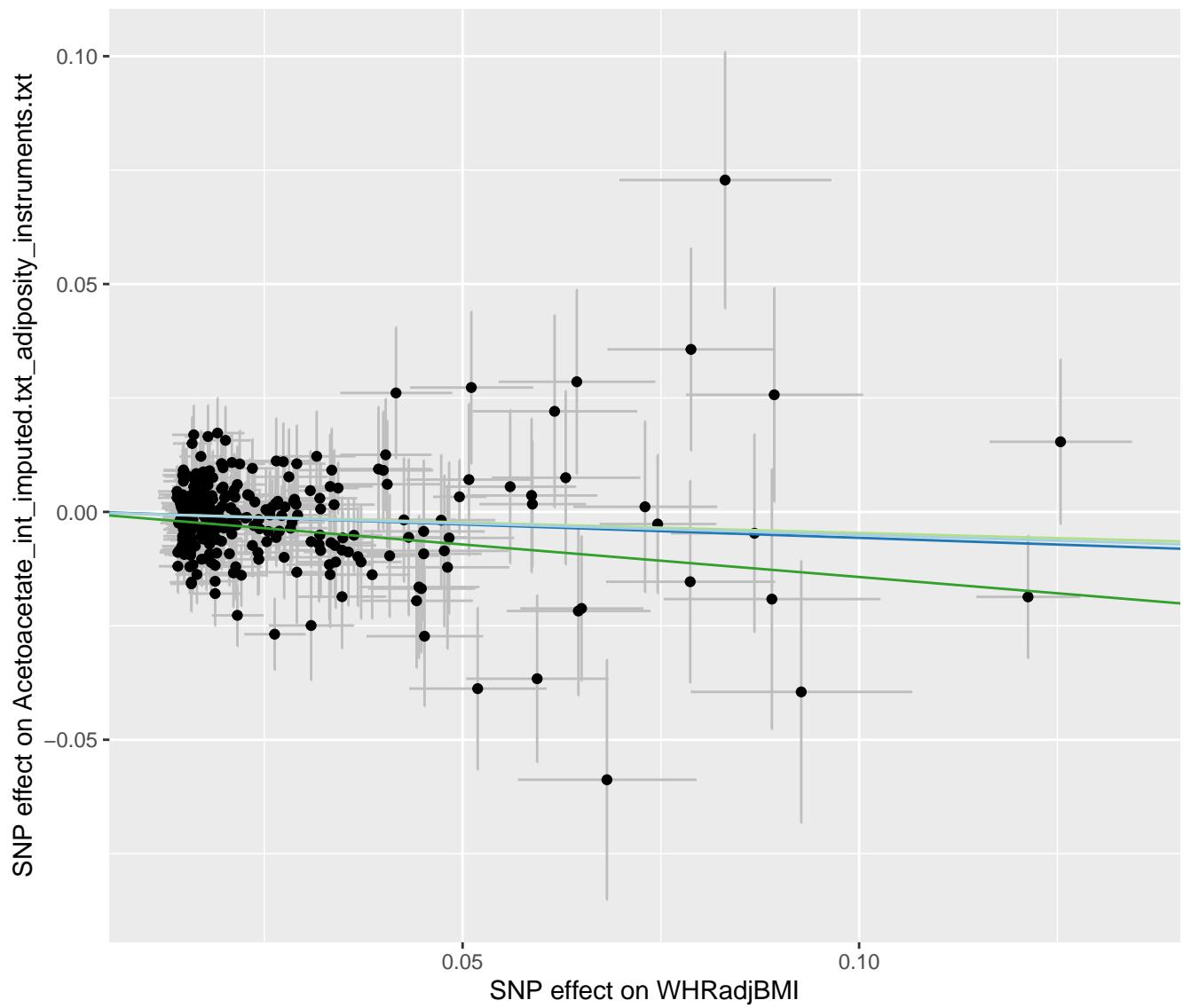
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



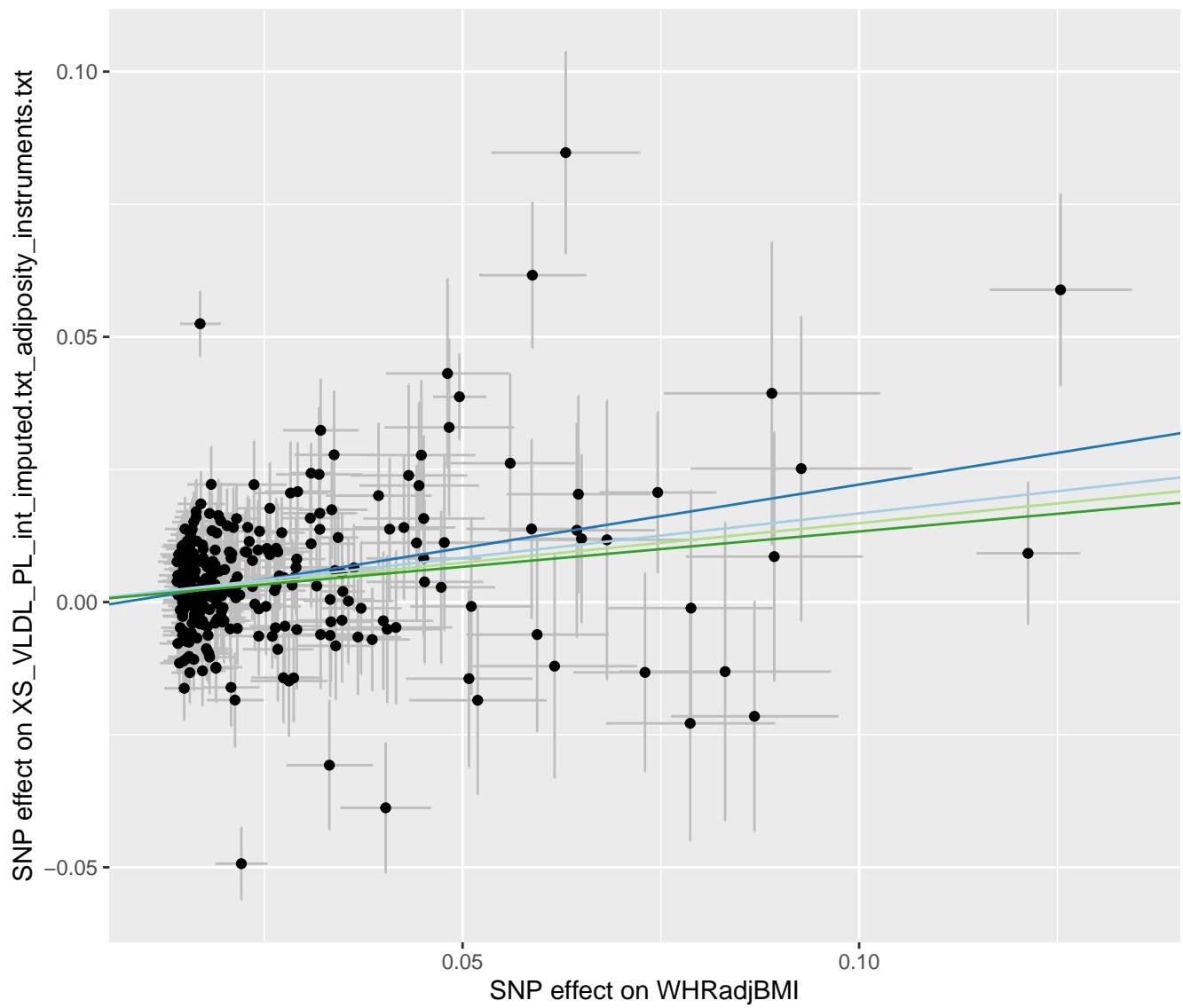
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

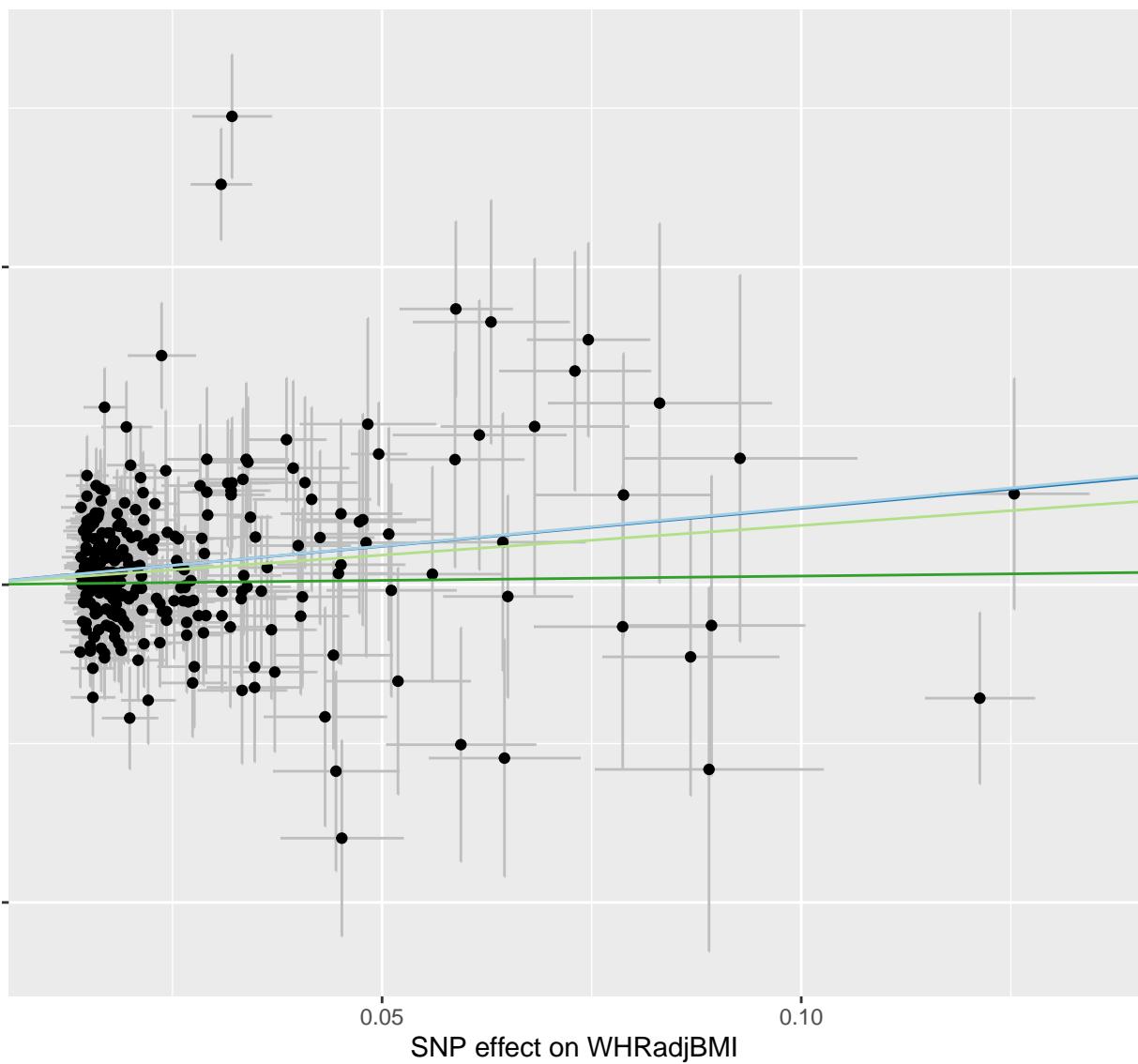


Weighted median



Weighted mode

SNP effect on S\_HDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



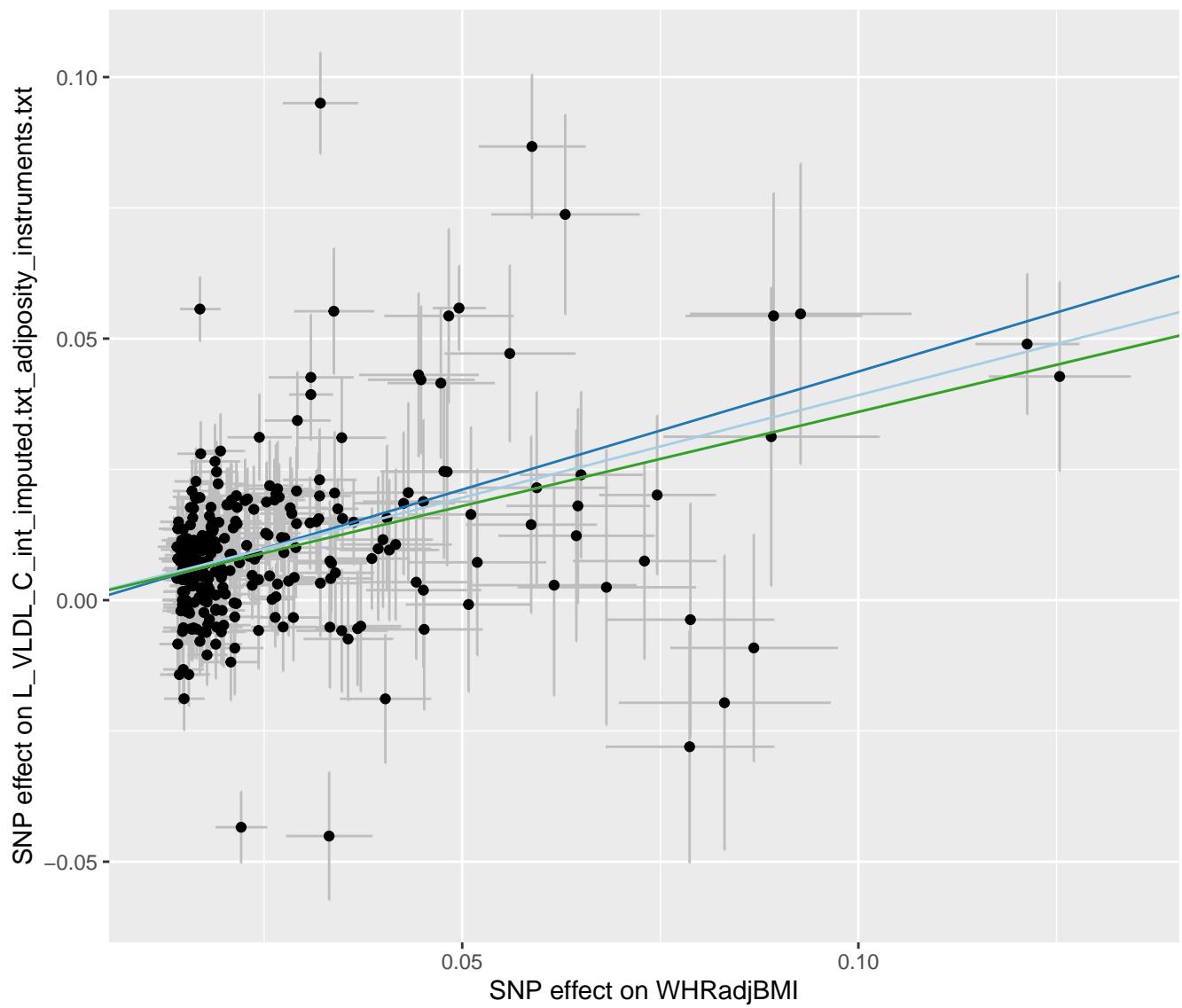
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



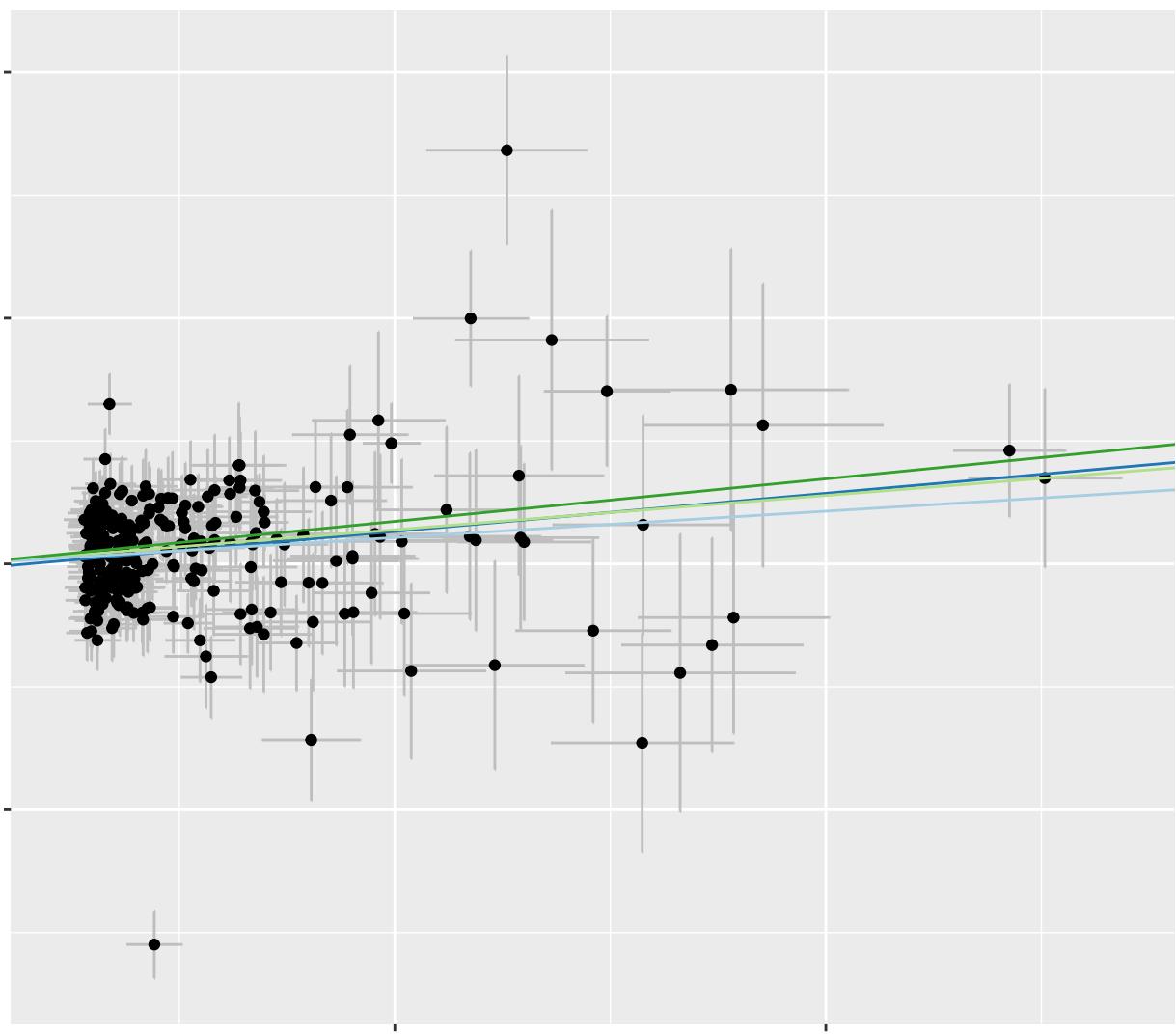
Weighted median



Weighted mode

SNP effect on L\_LDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



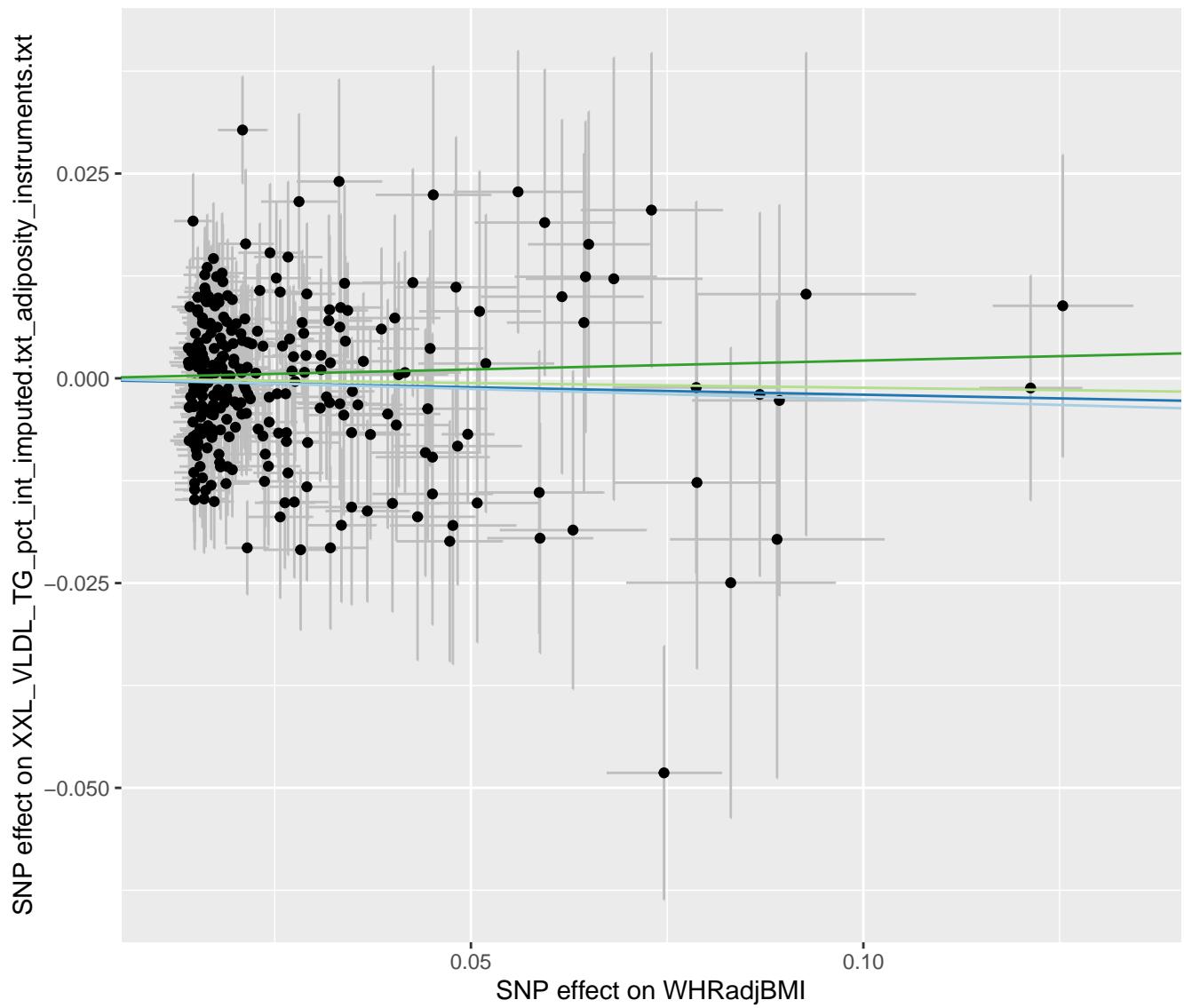
MR Test

100

Inverse variance weighted (multiplicative random effects)  
MR Egger

100

Weighted median  
Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



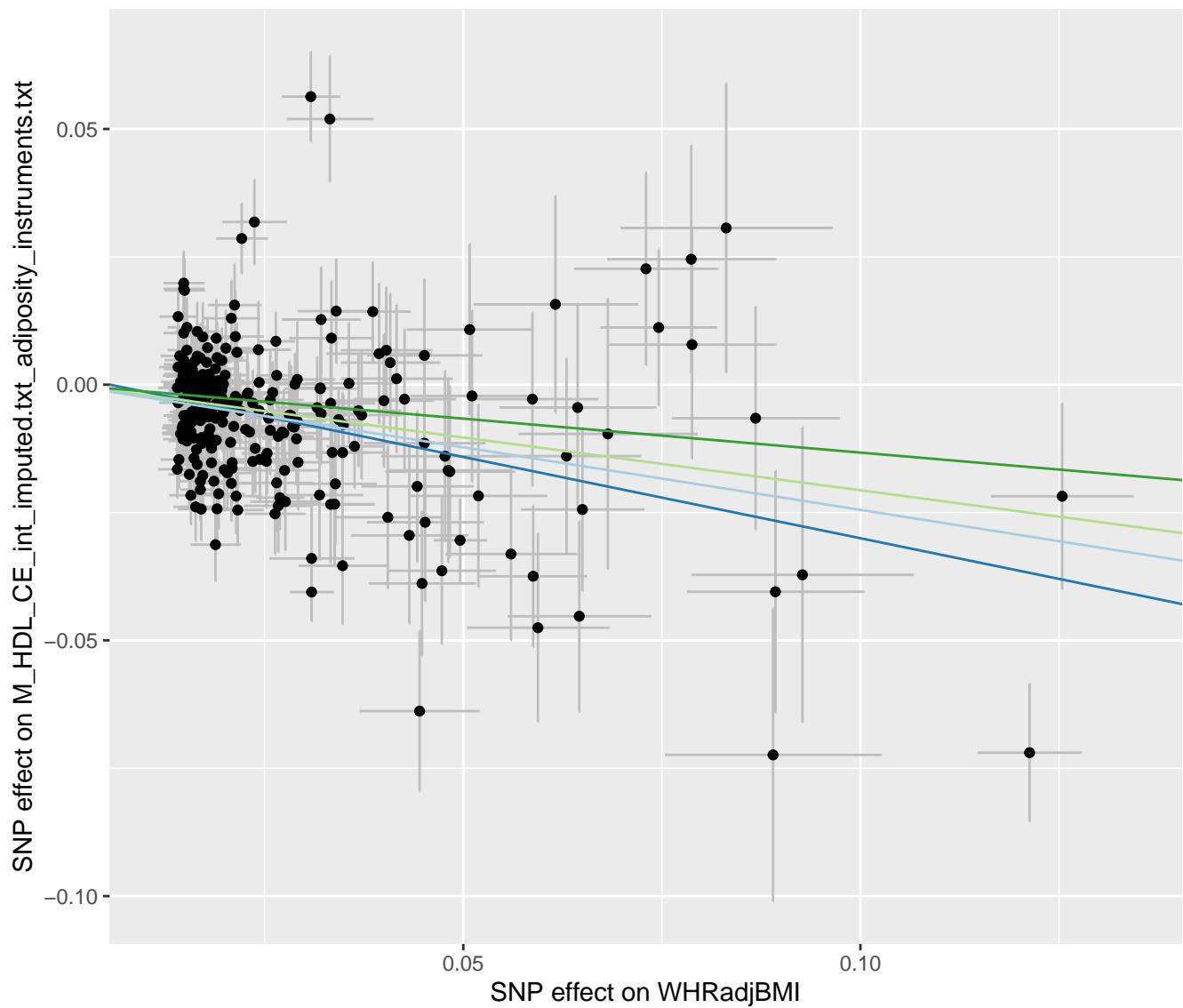
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



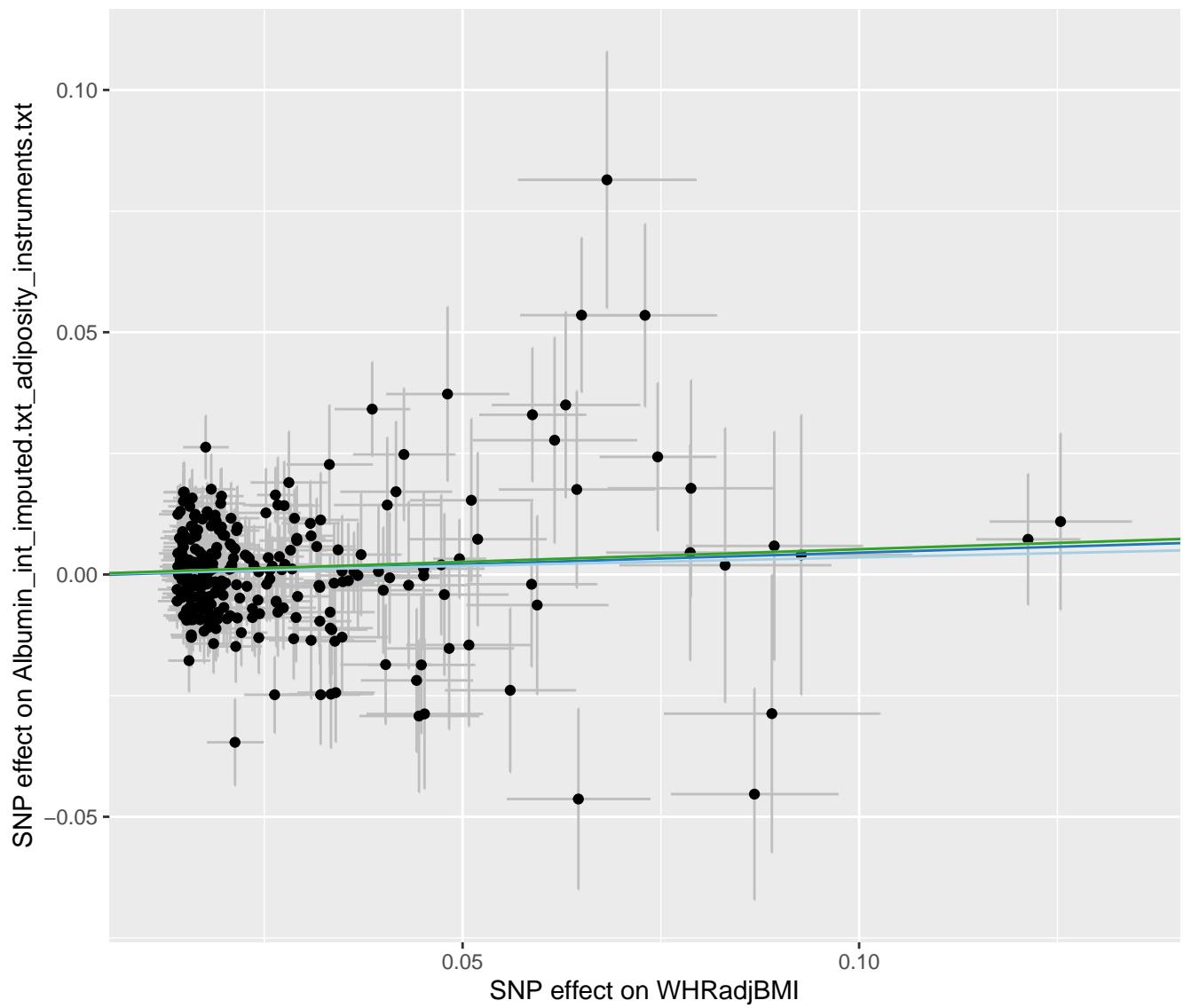
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



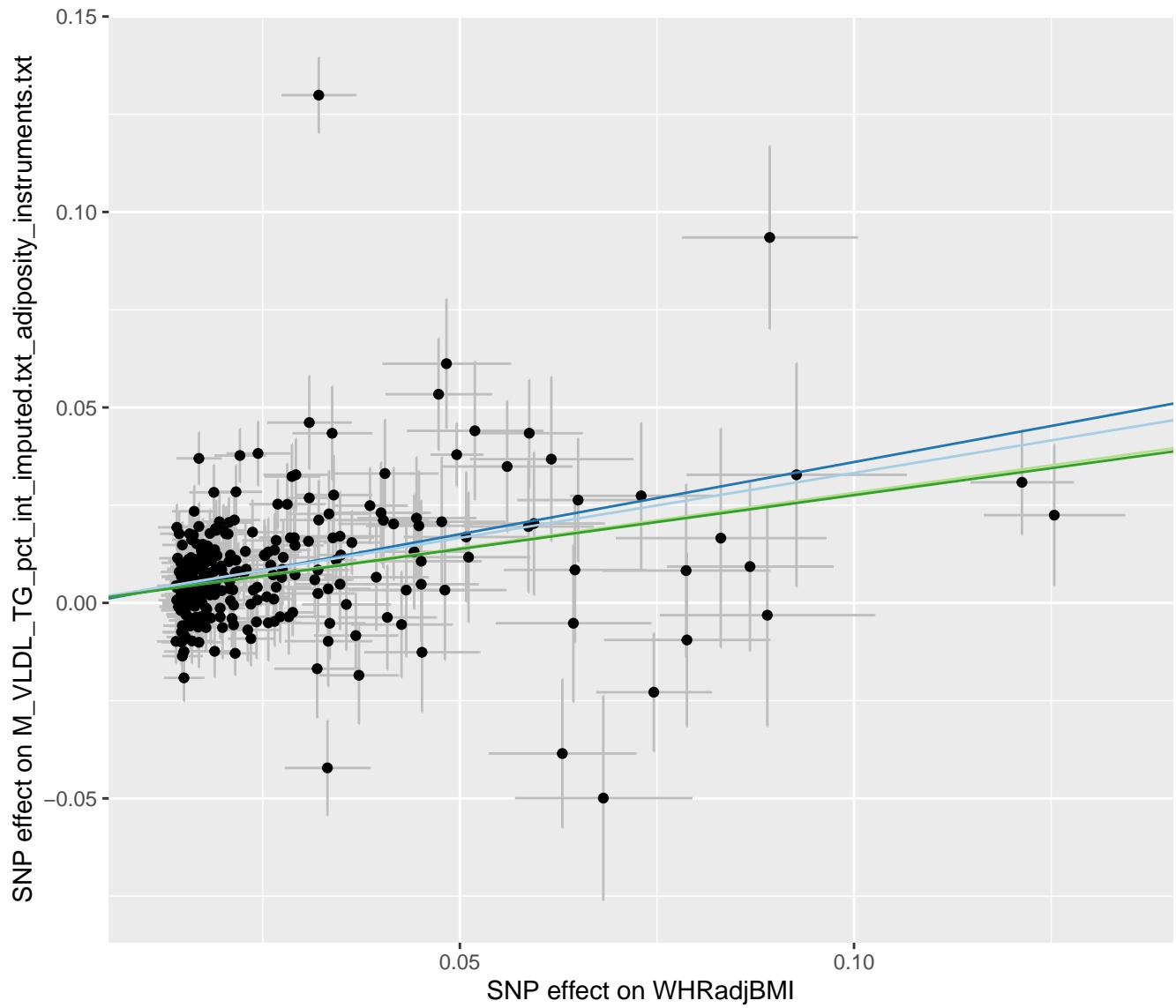
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



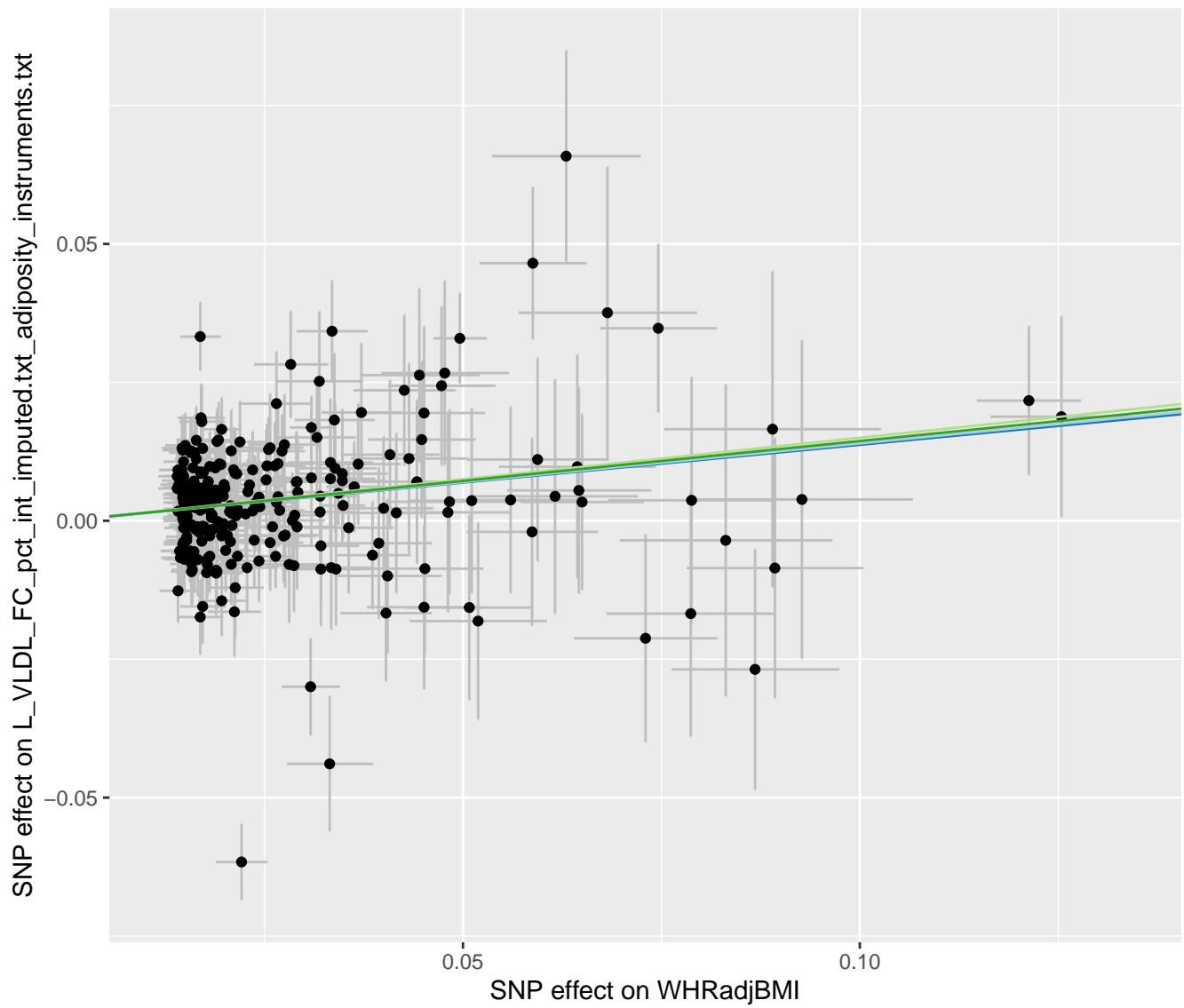
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



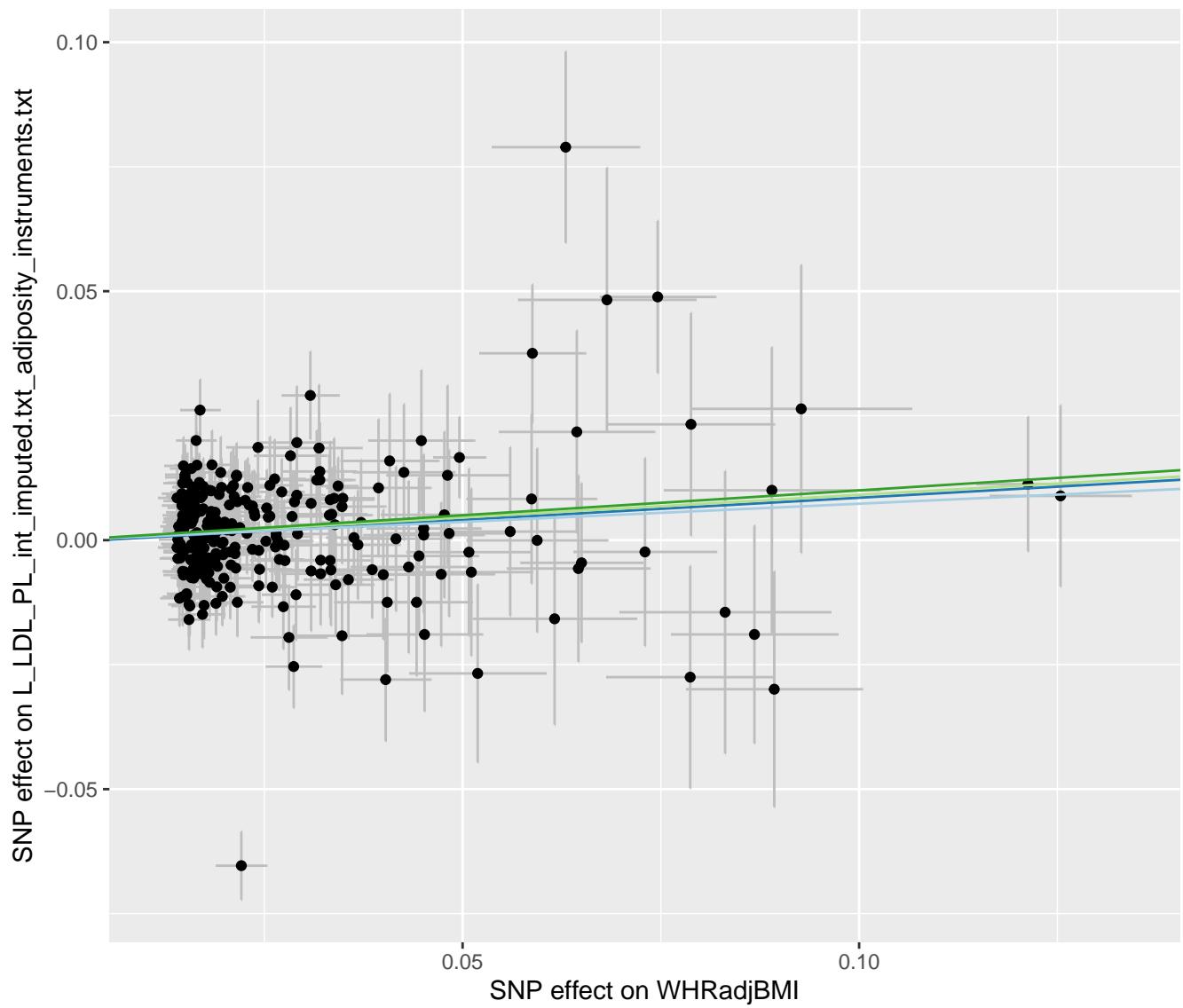
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



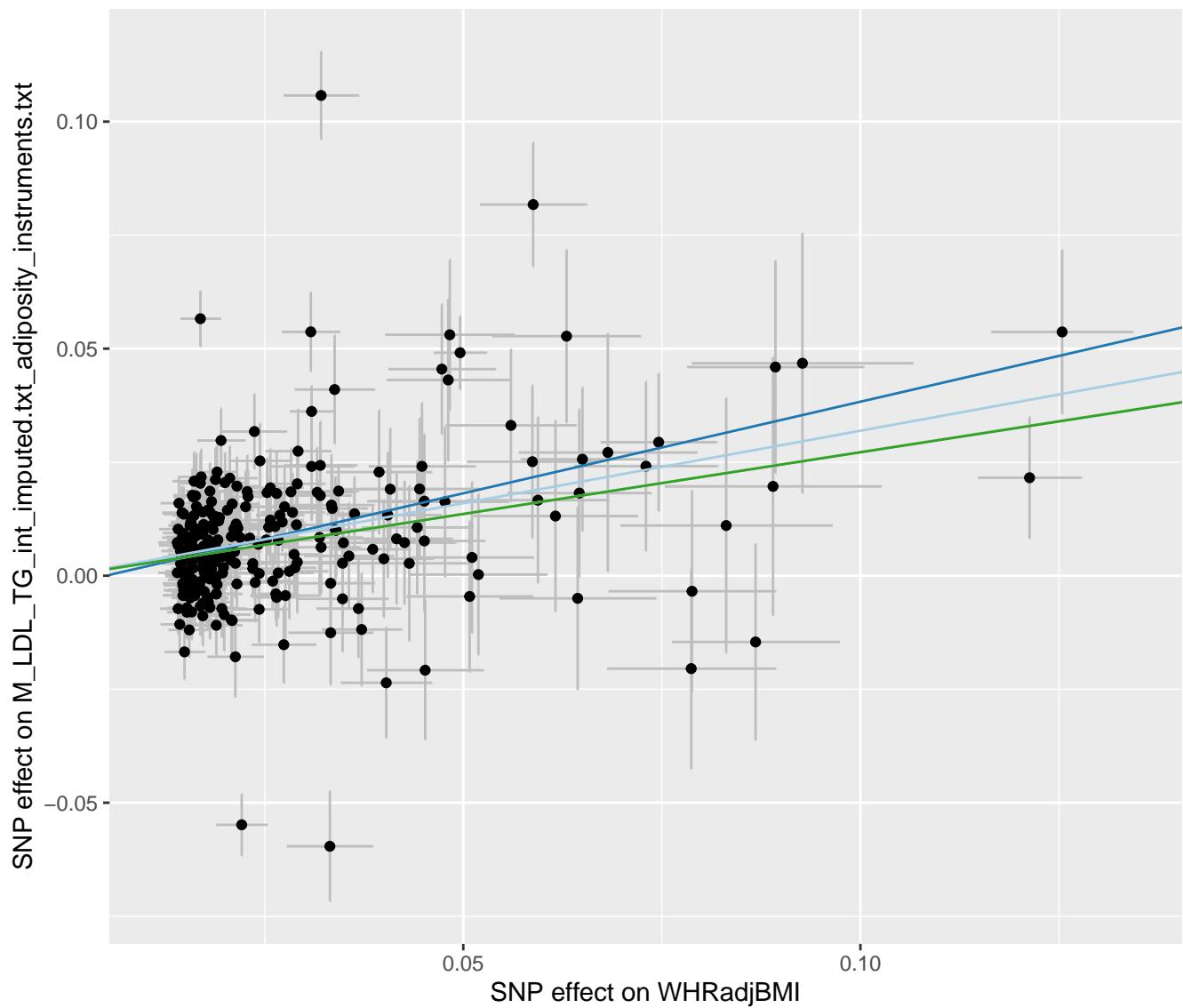
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



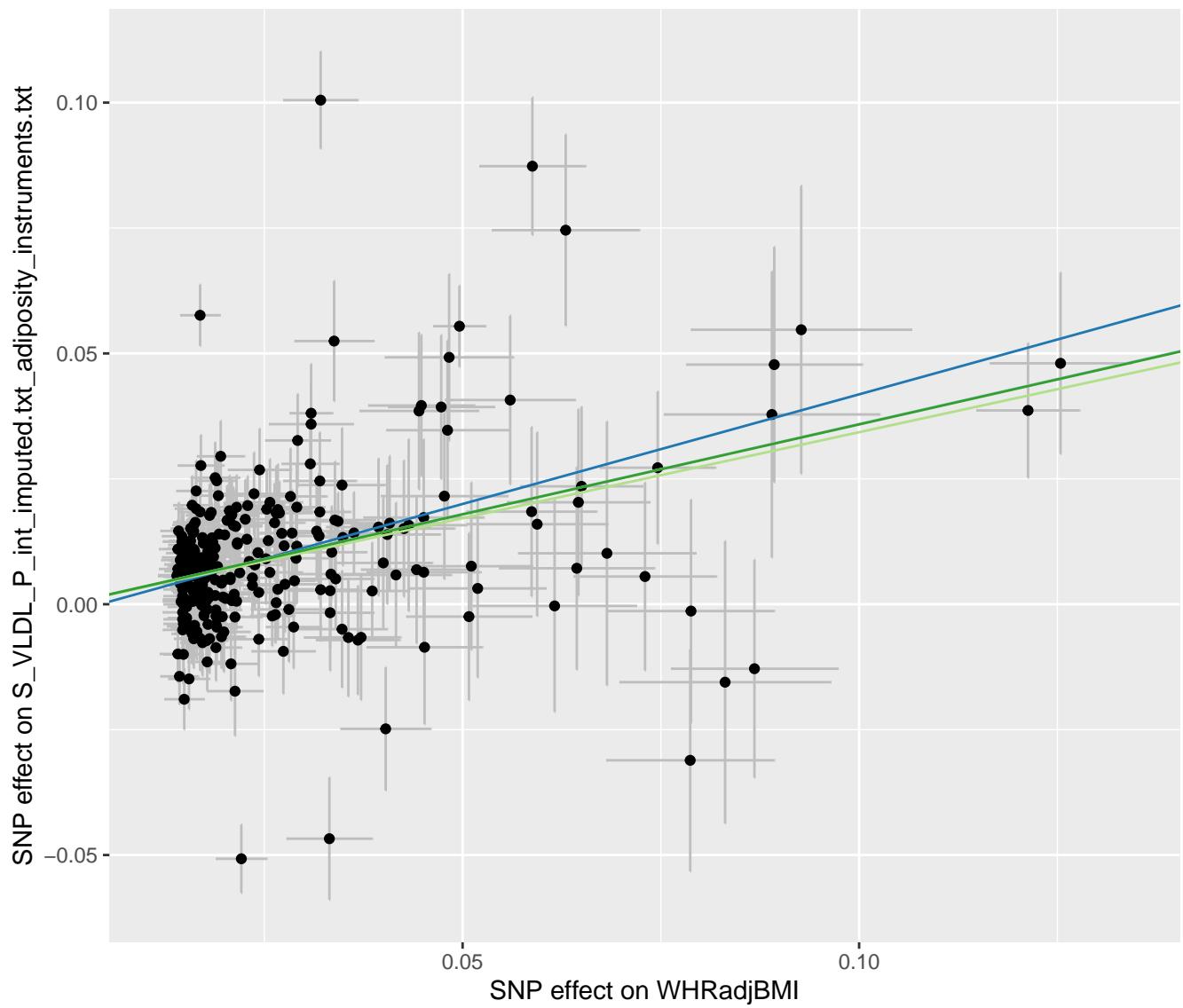
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



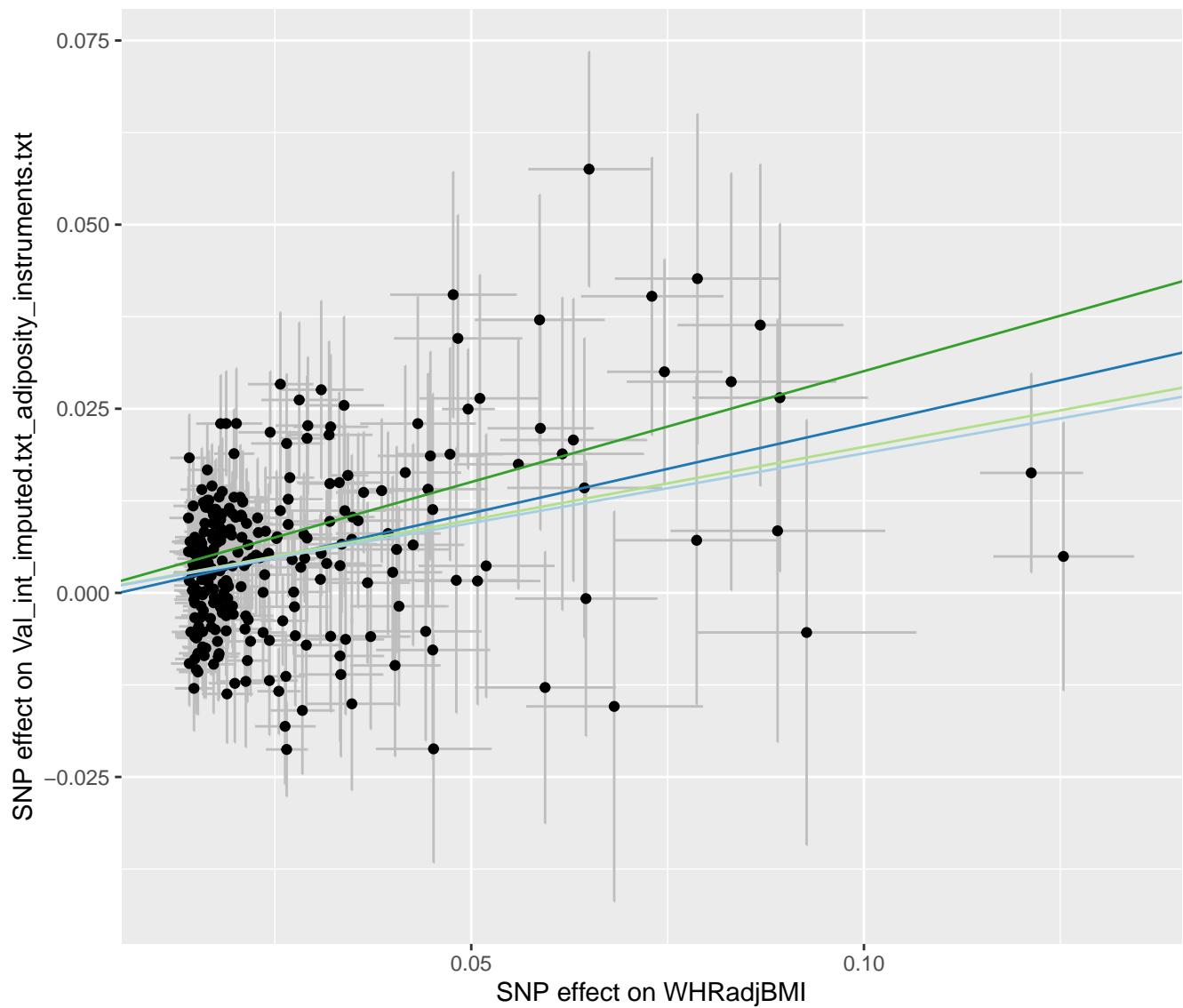
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



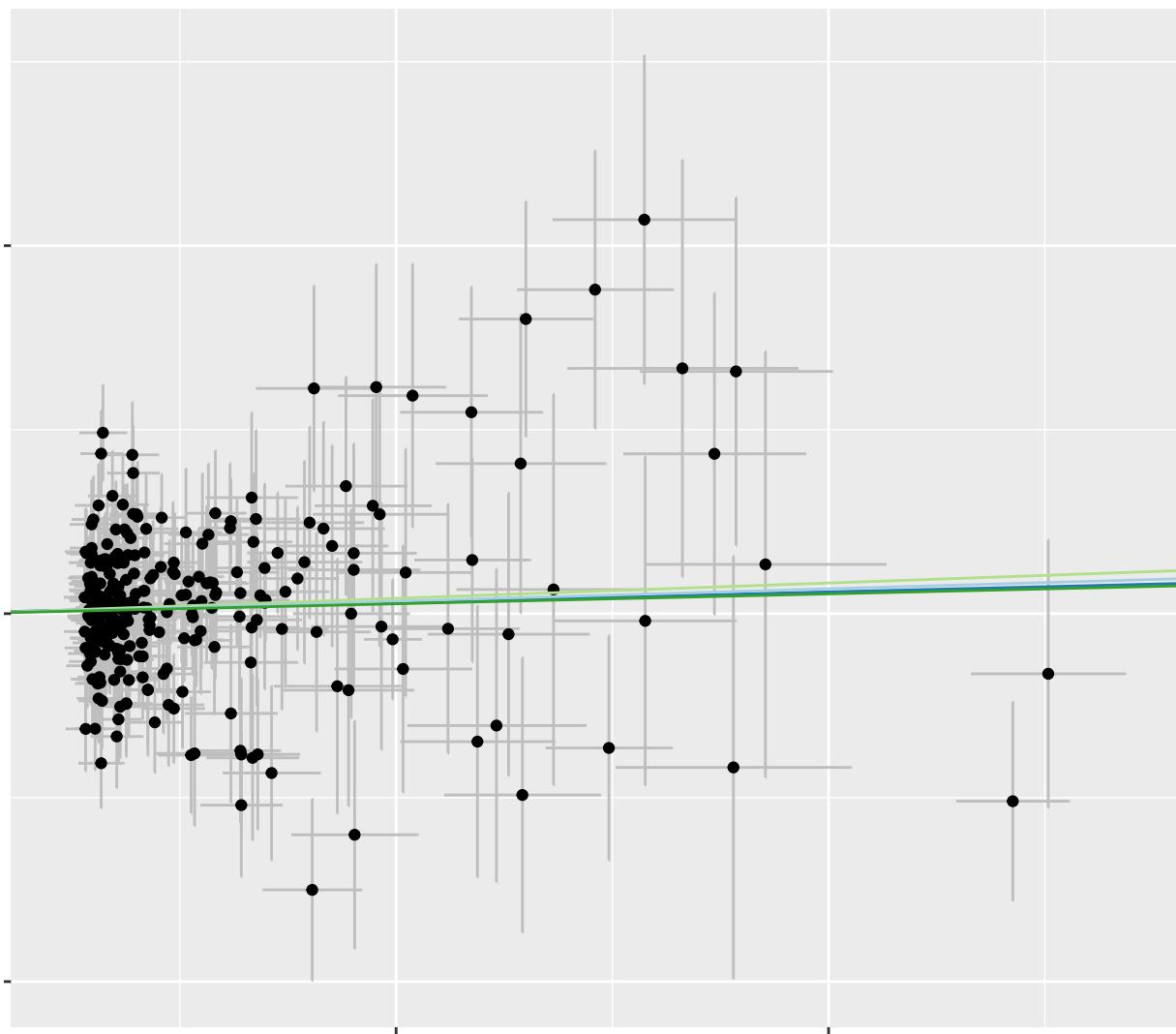
Weighted median



Weighted mode

SNP effect on Glucose\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



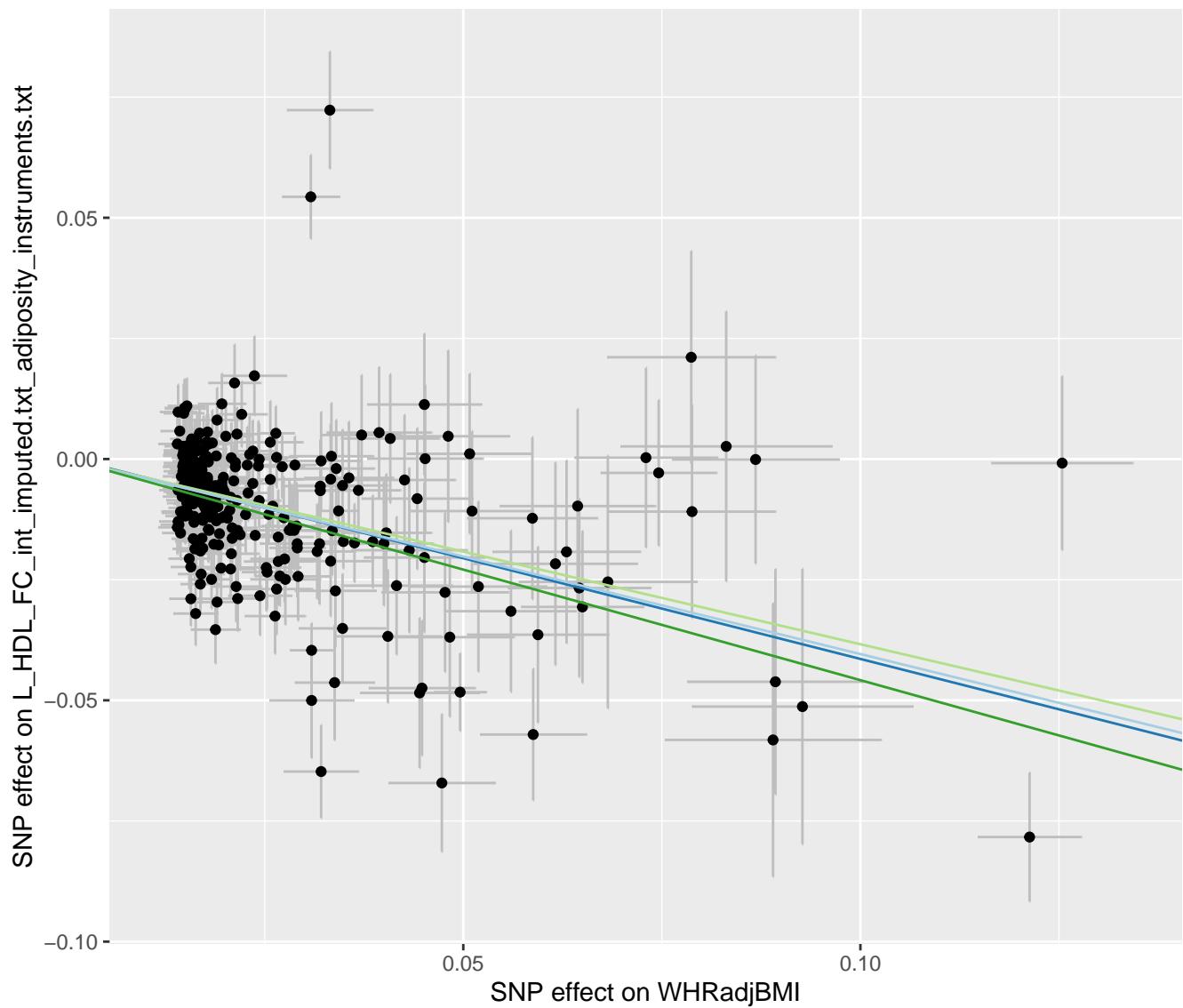
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



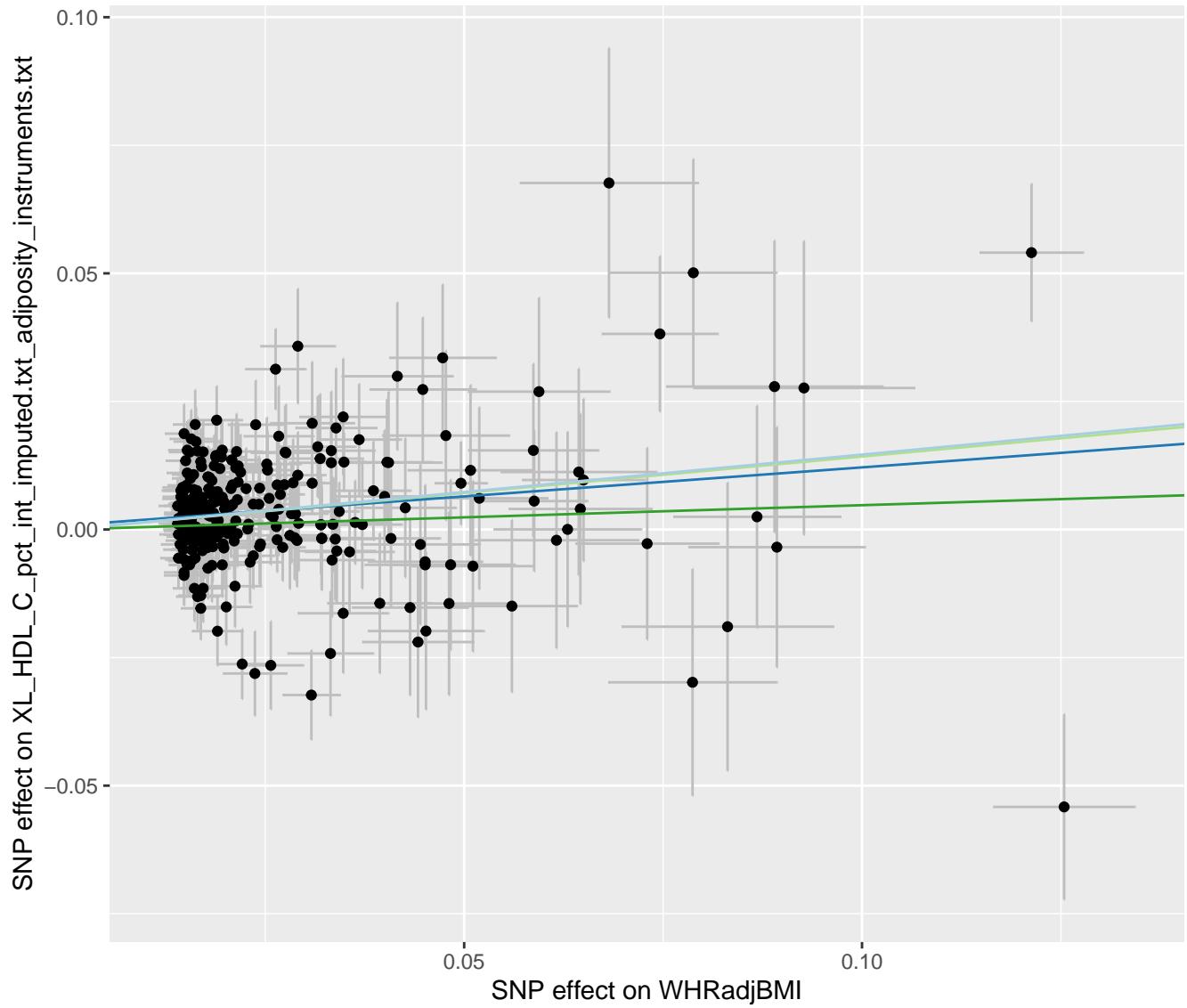
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



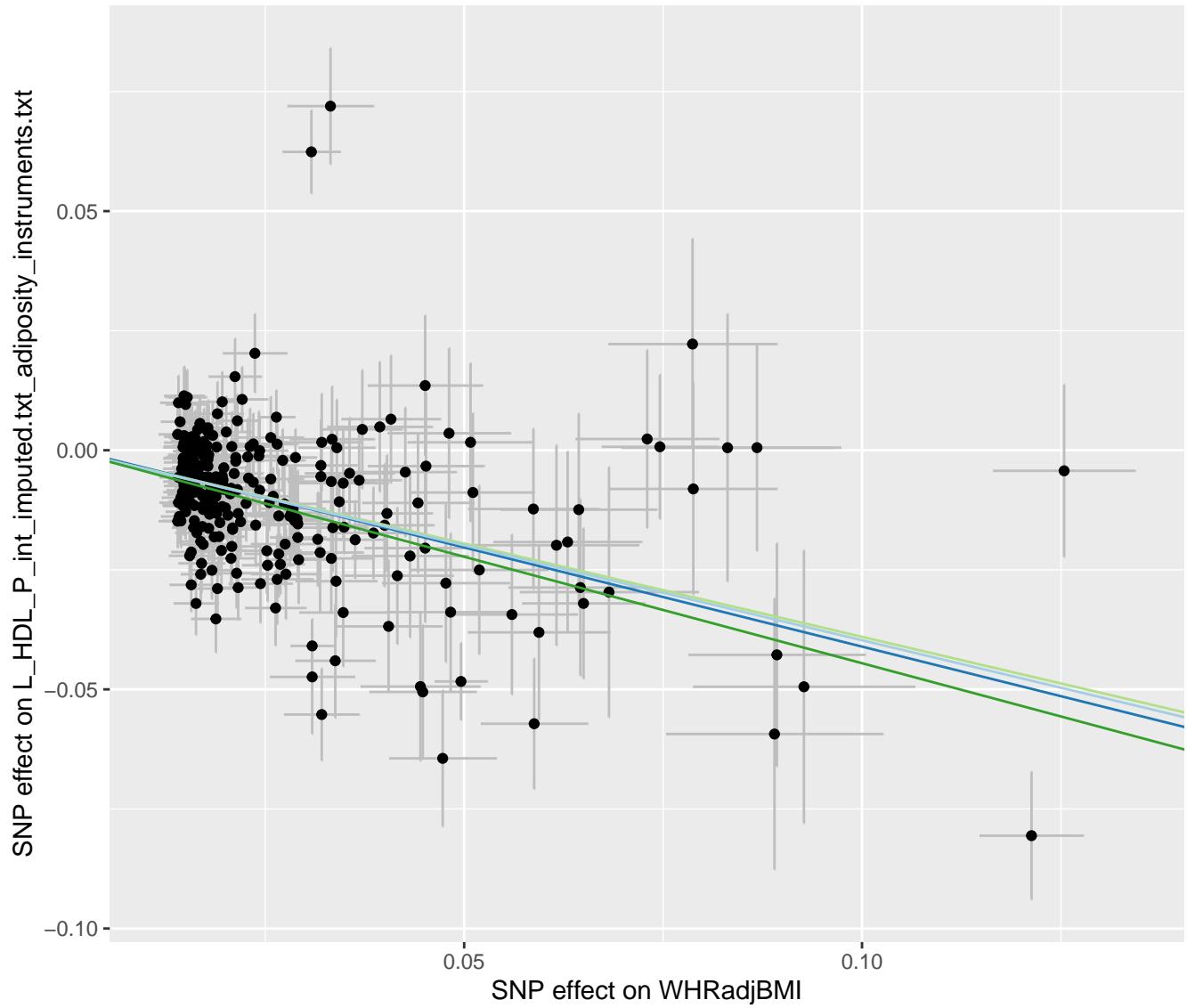
Weighted median



Weighted mode

SNP effect on L\_HDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



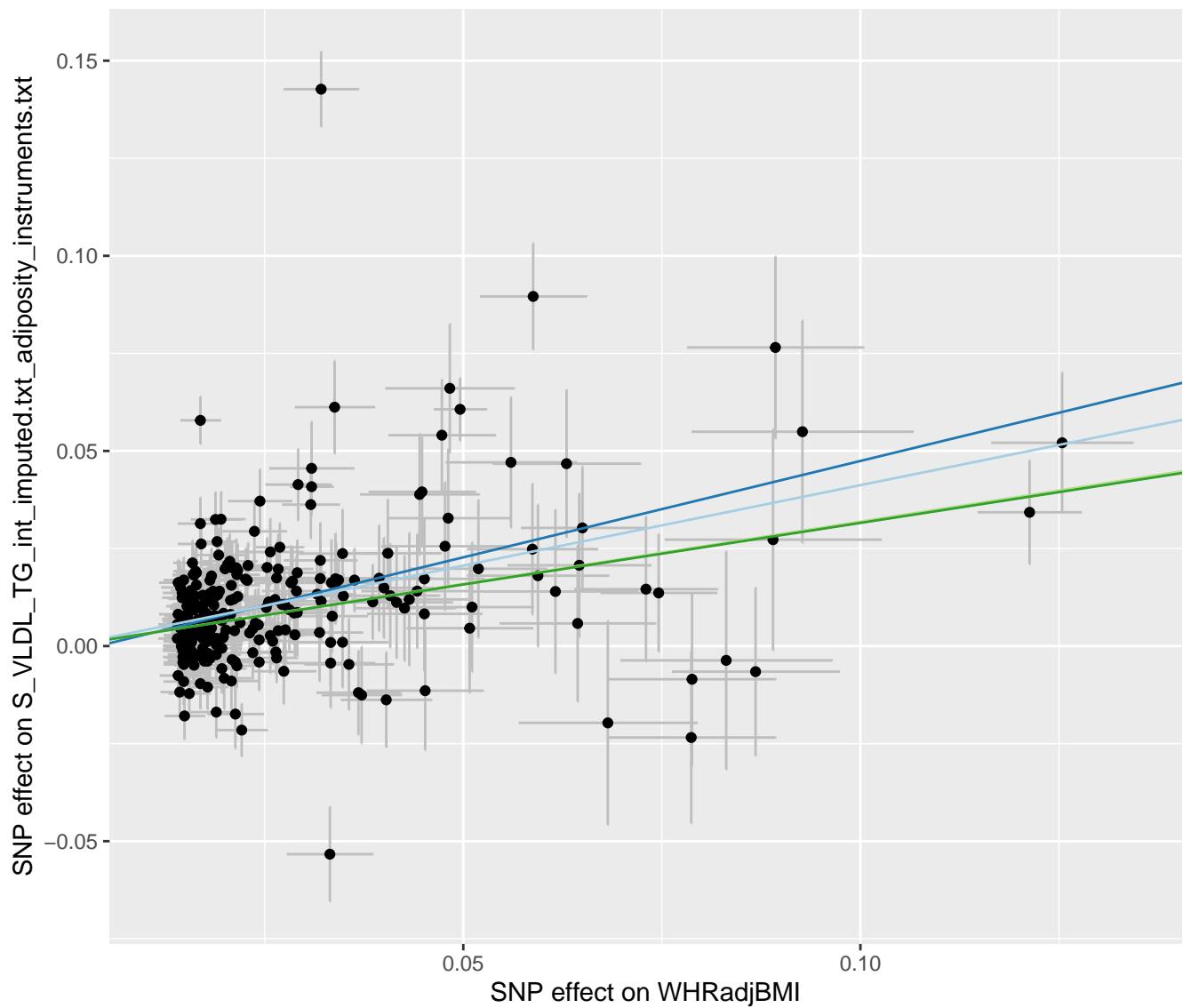
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

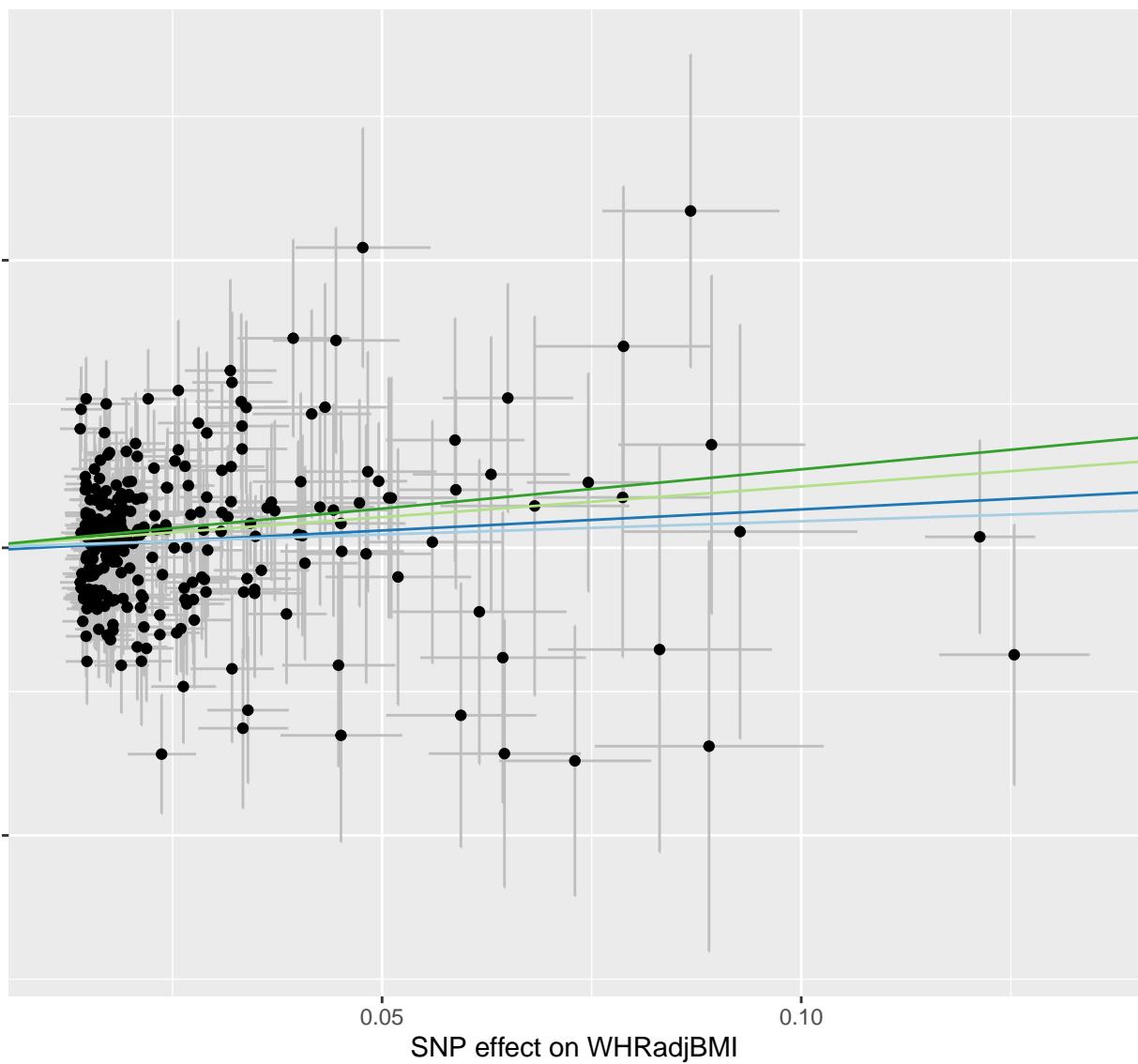


Weighted median



Weighted mode

SNP effect on Tyr\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



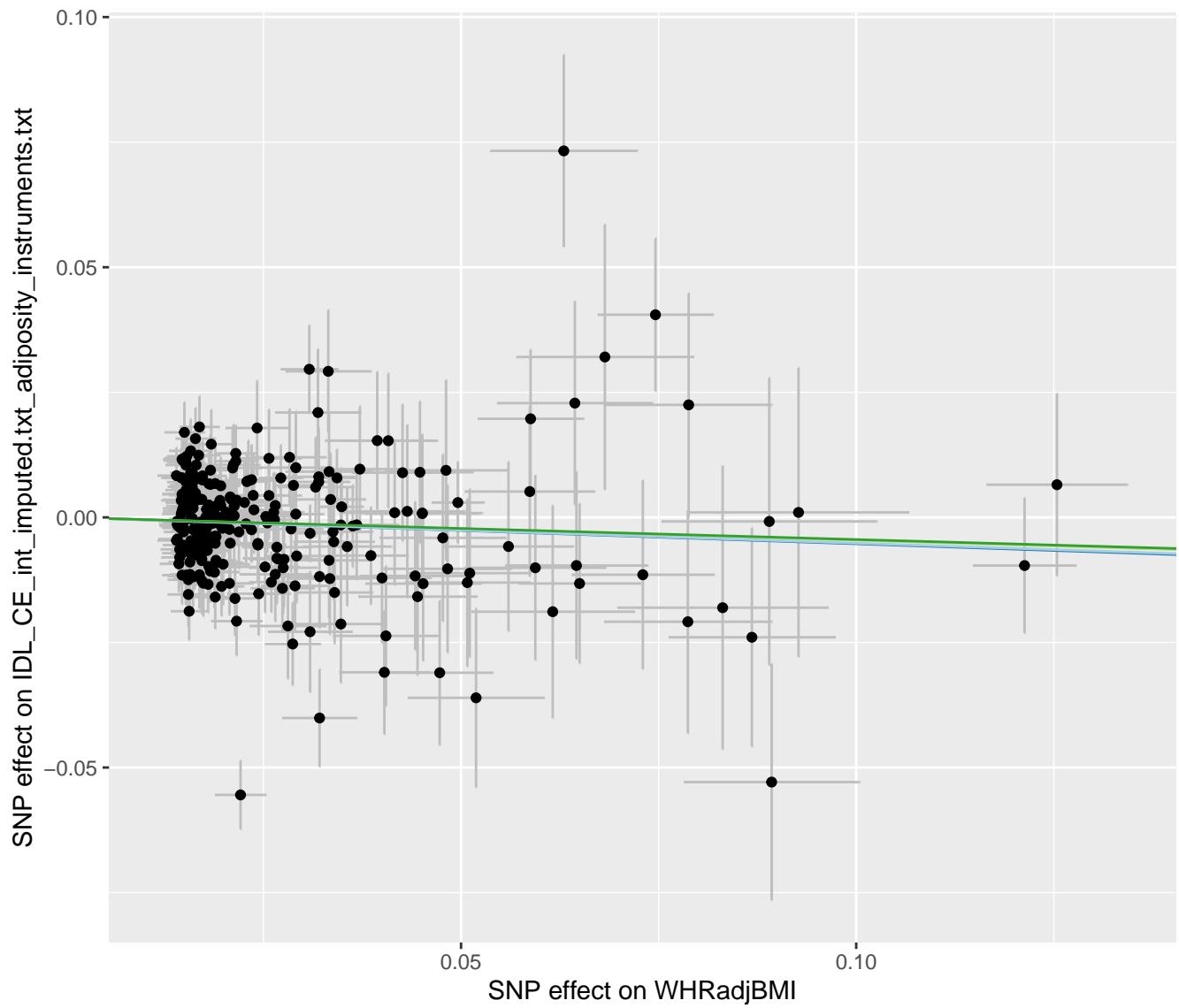
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



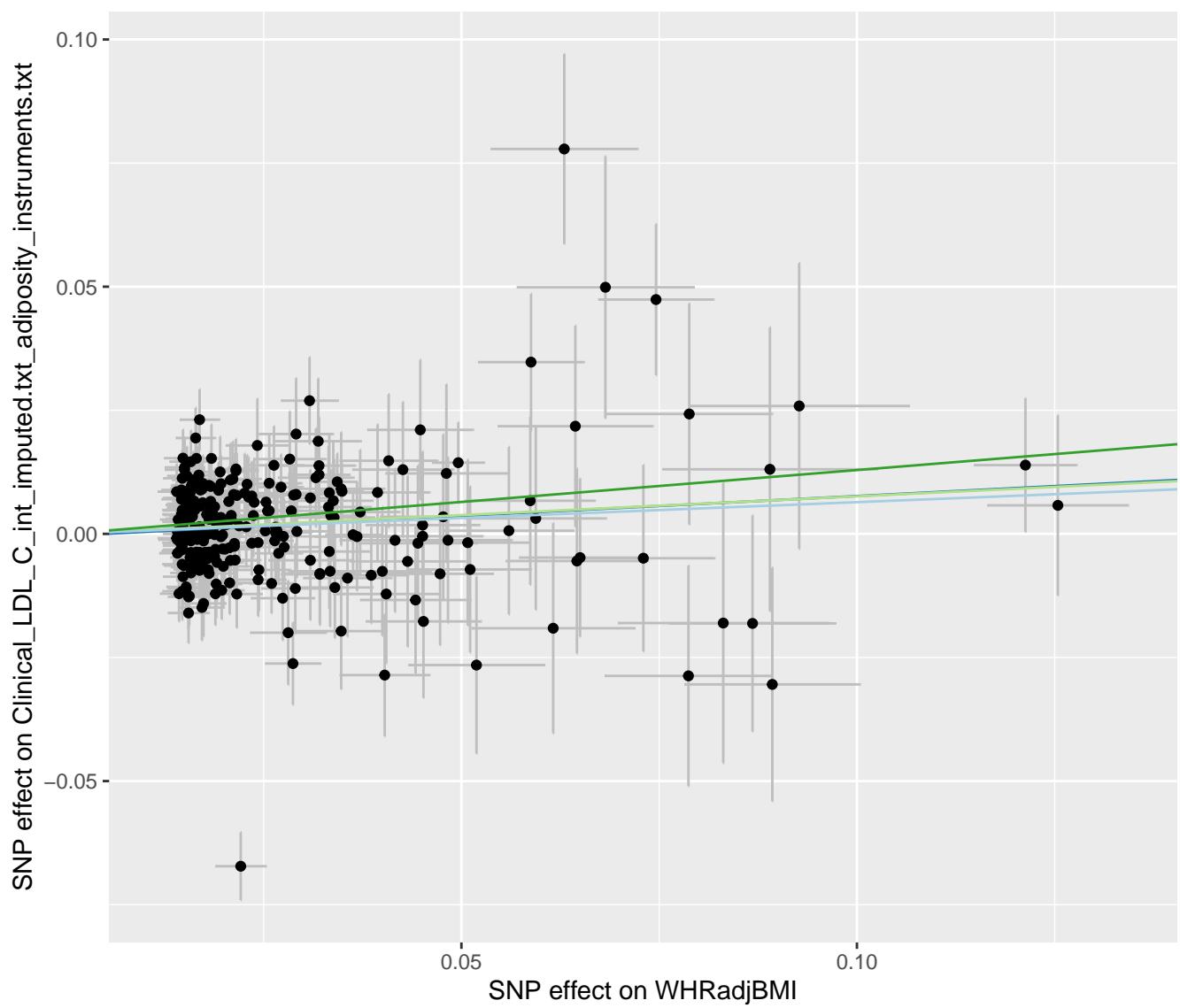
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



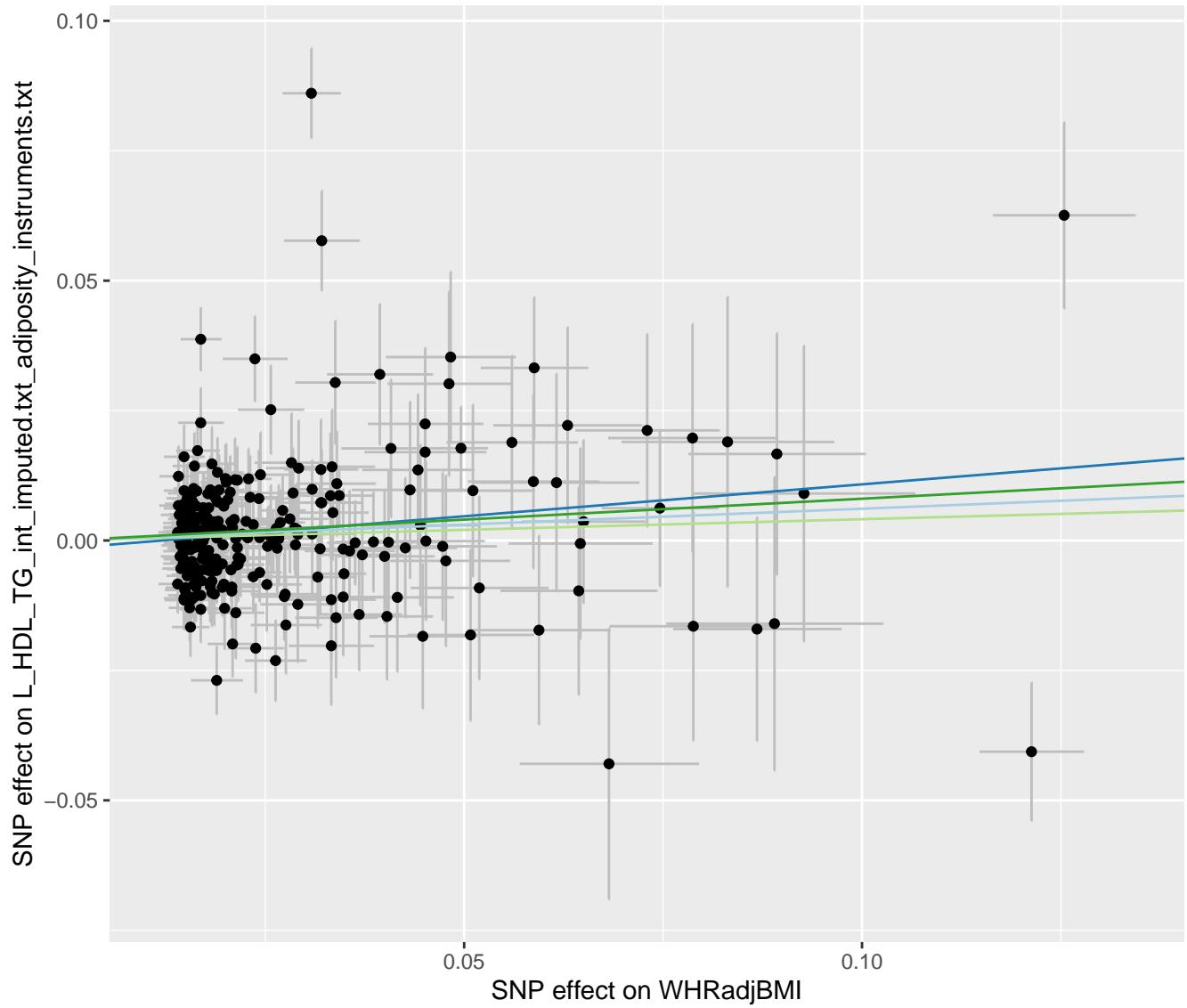
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



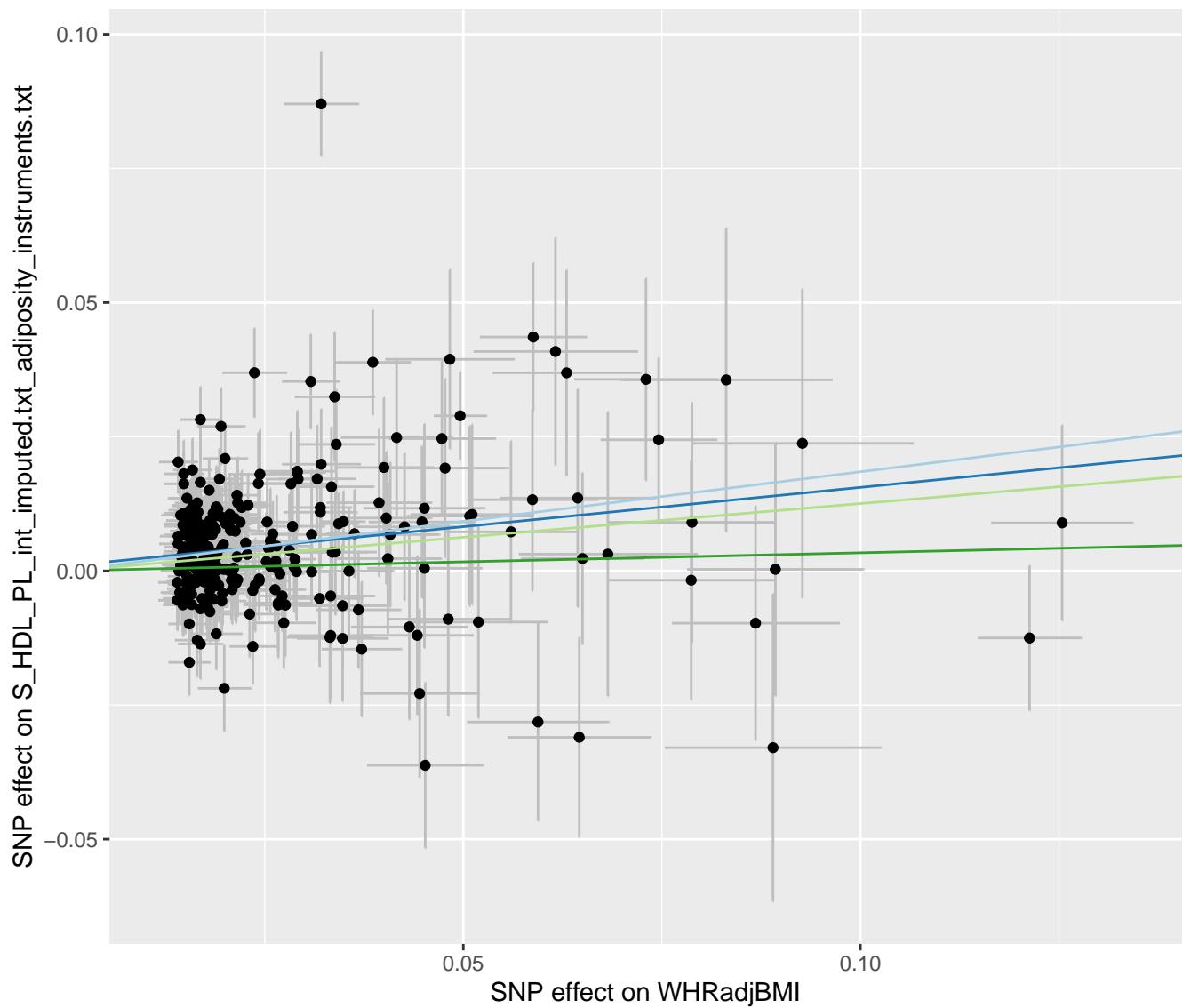
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

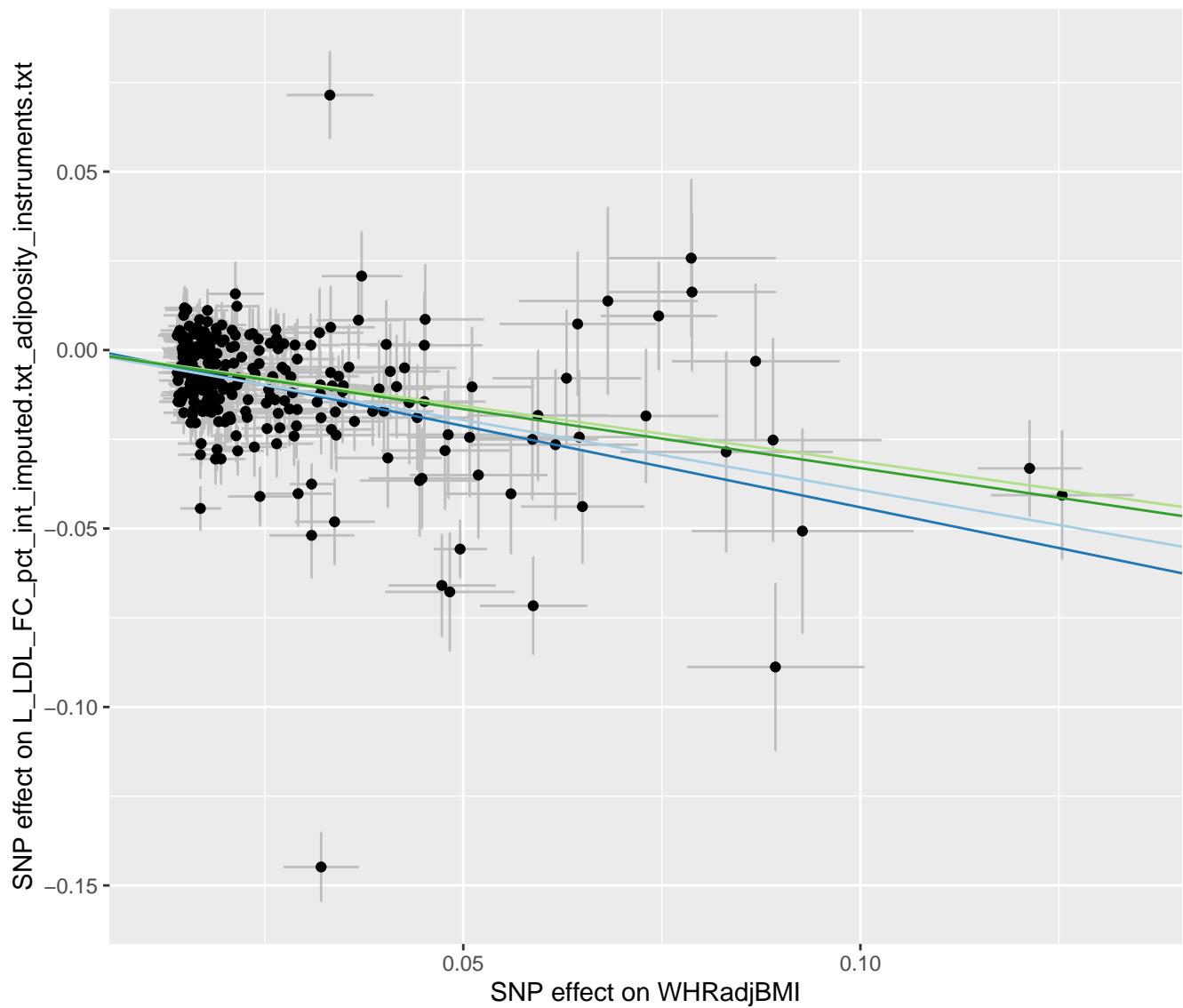
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



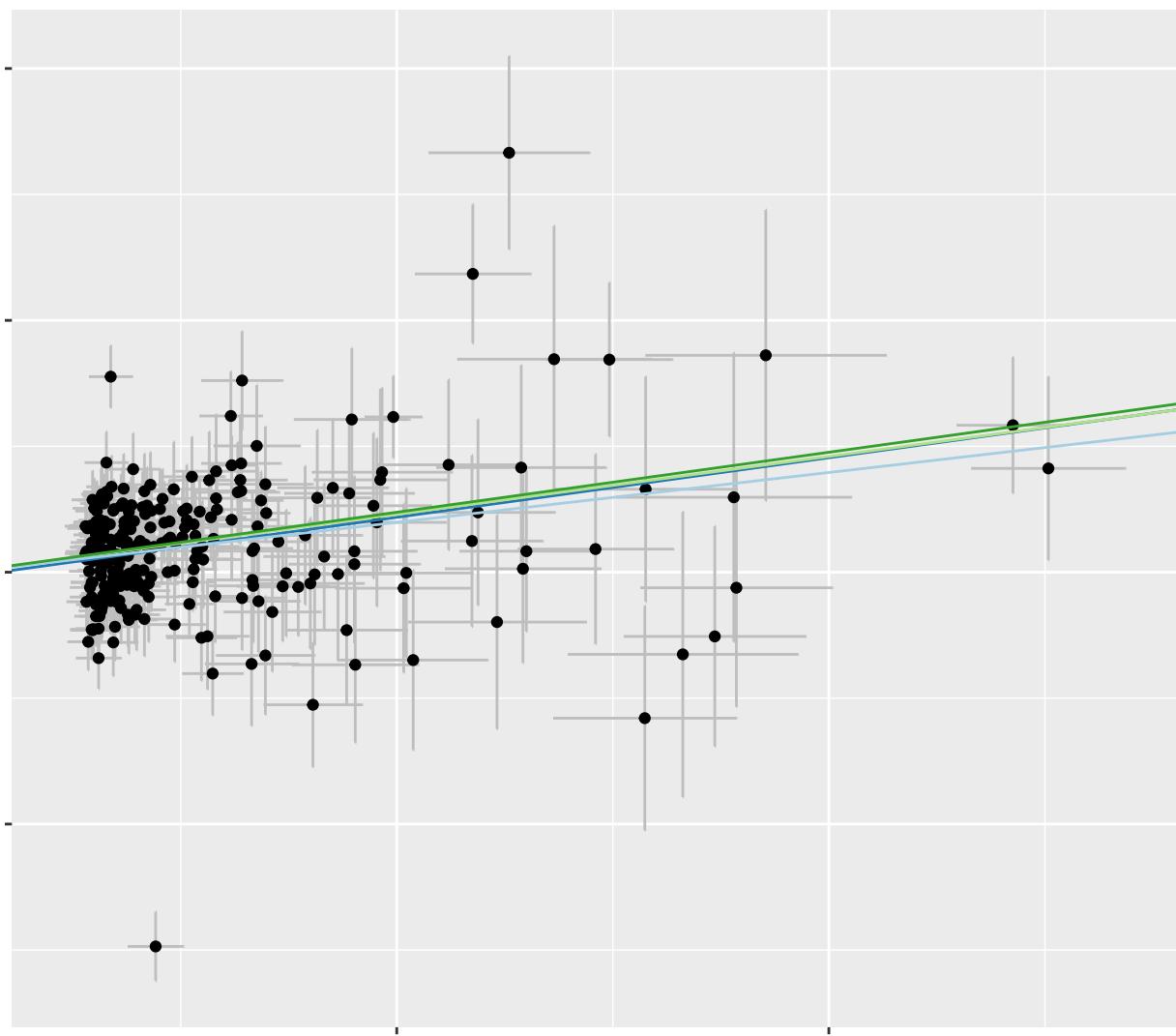
Weighted median



Weighted mode

SNP effect on S\_LDL\_CE\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



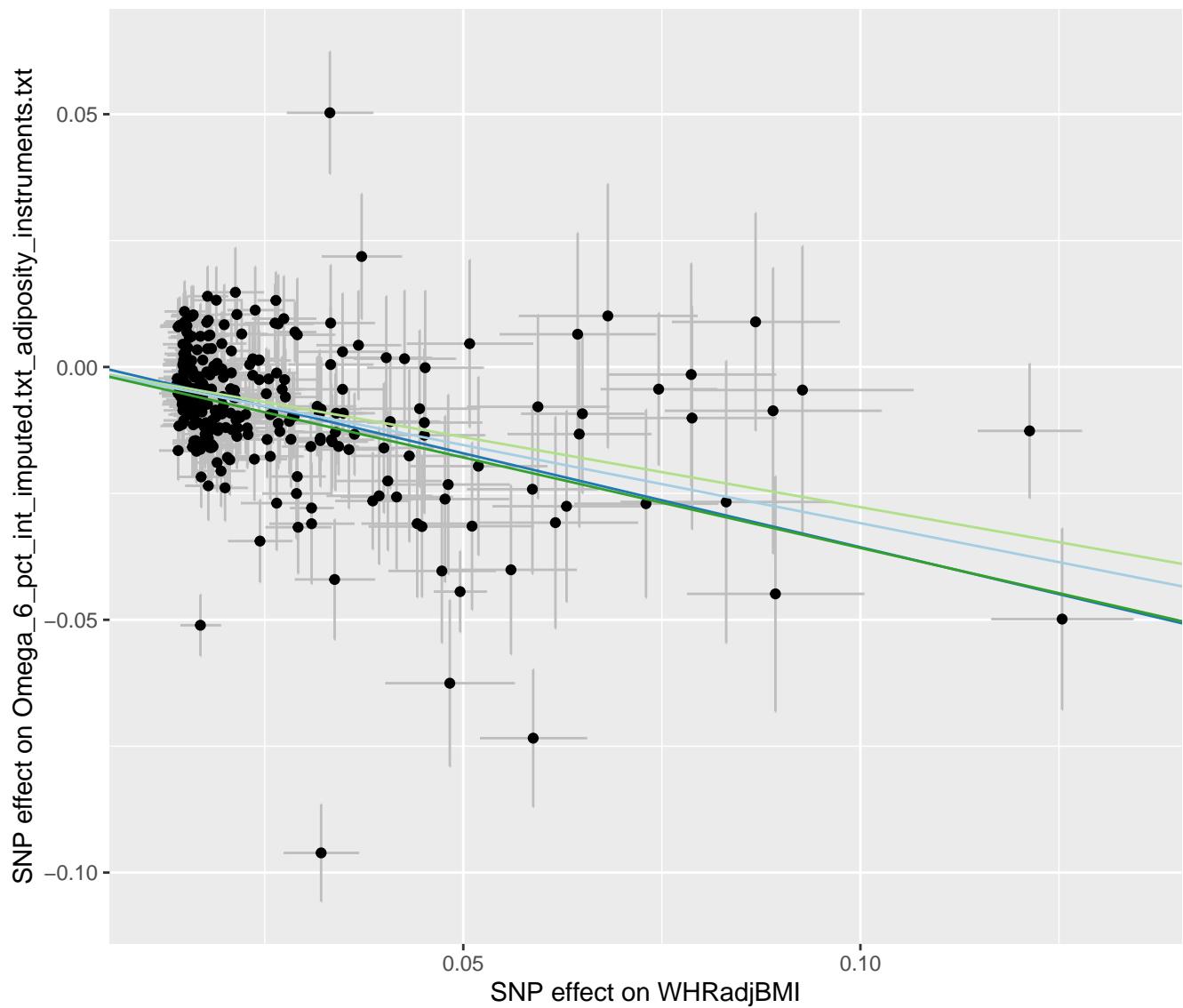
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



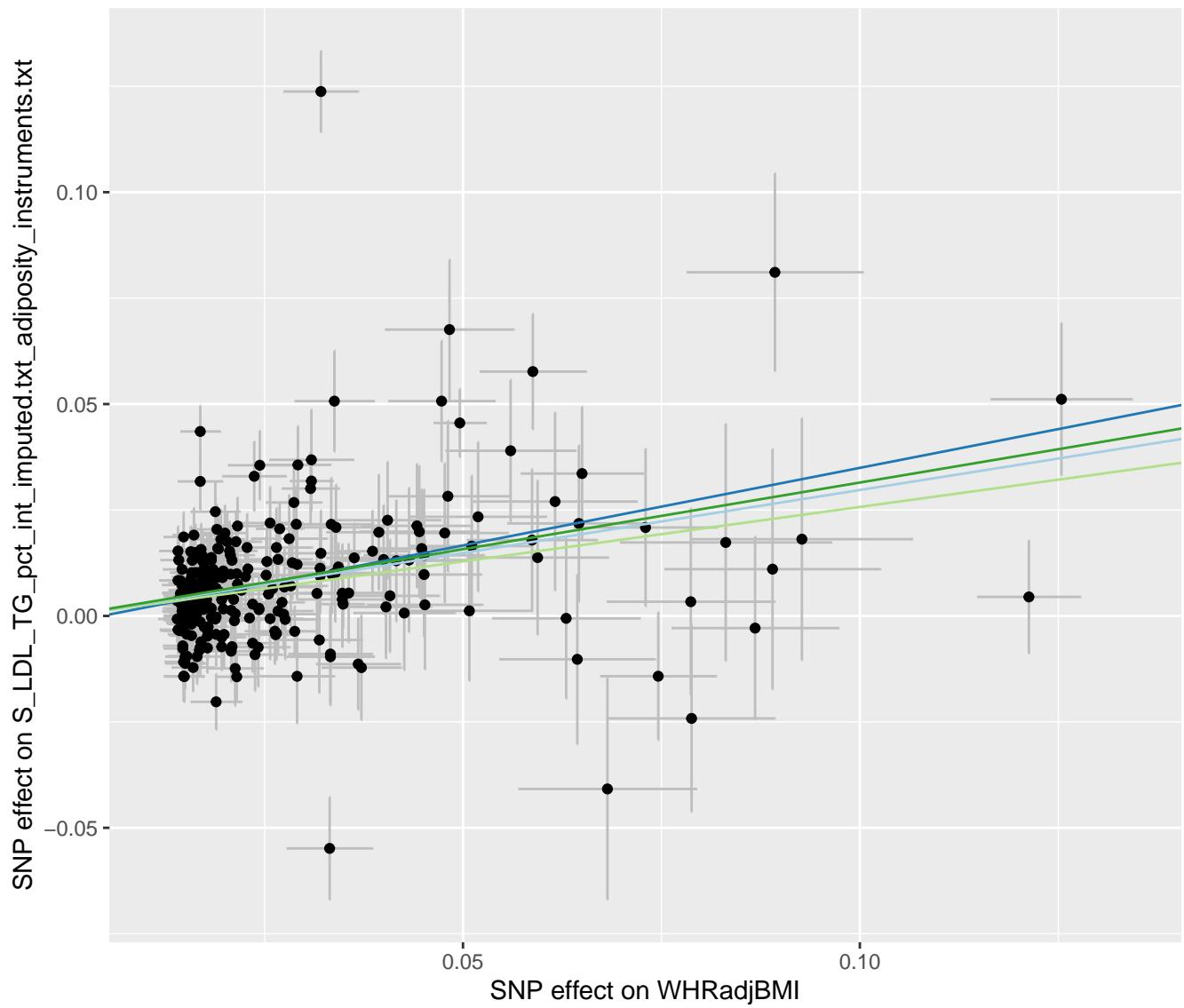
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



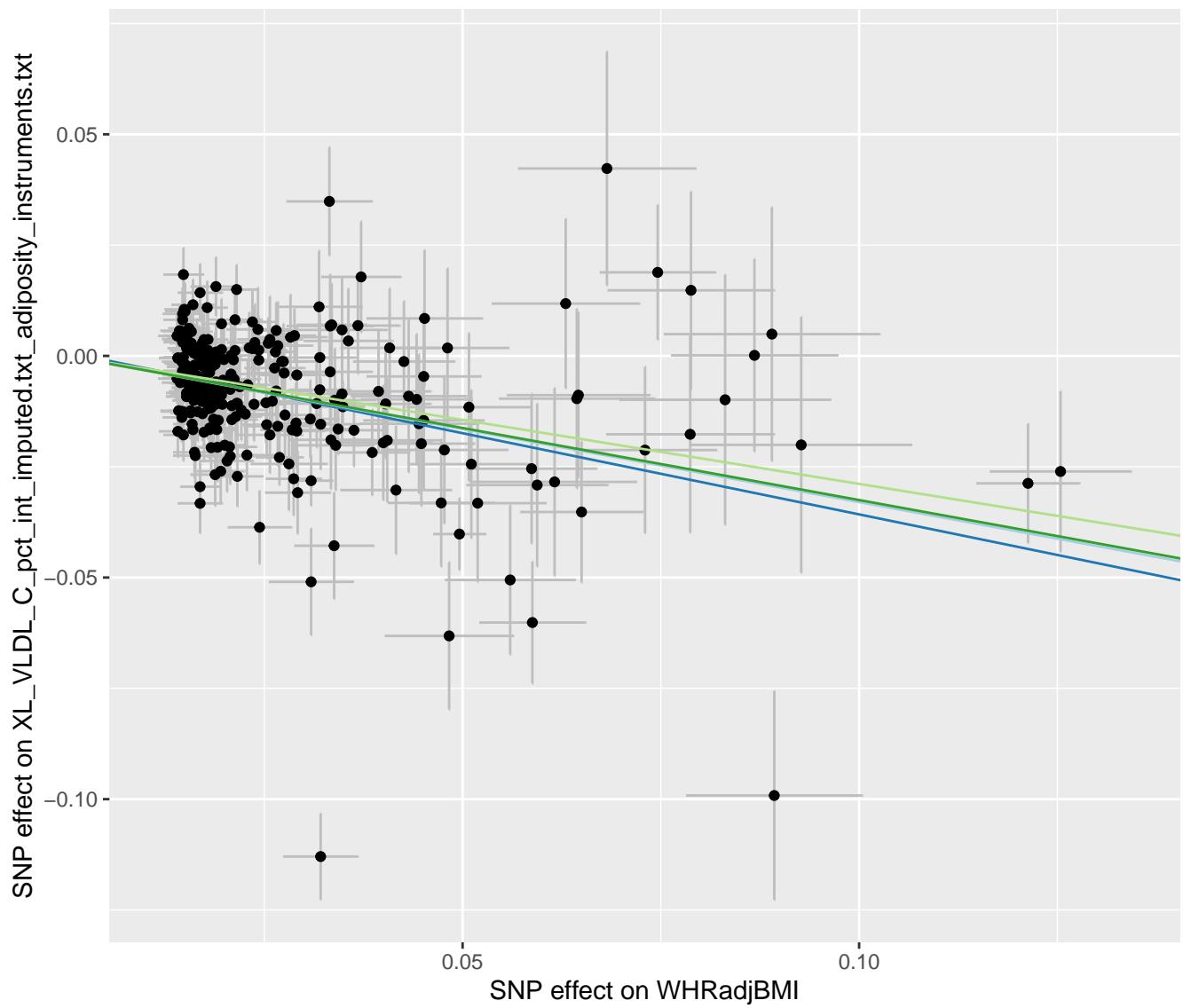
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

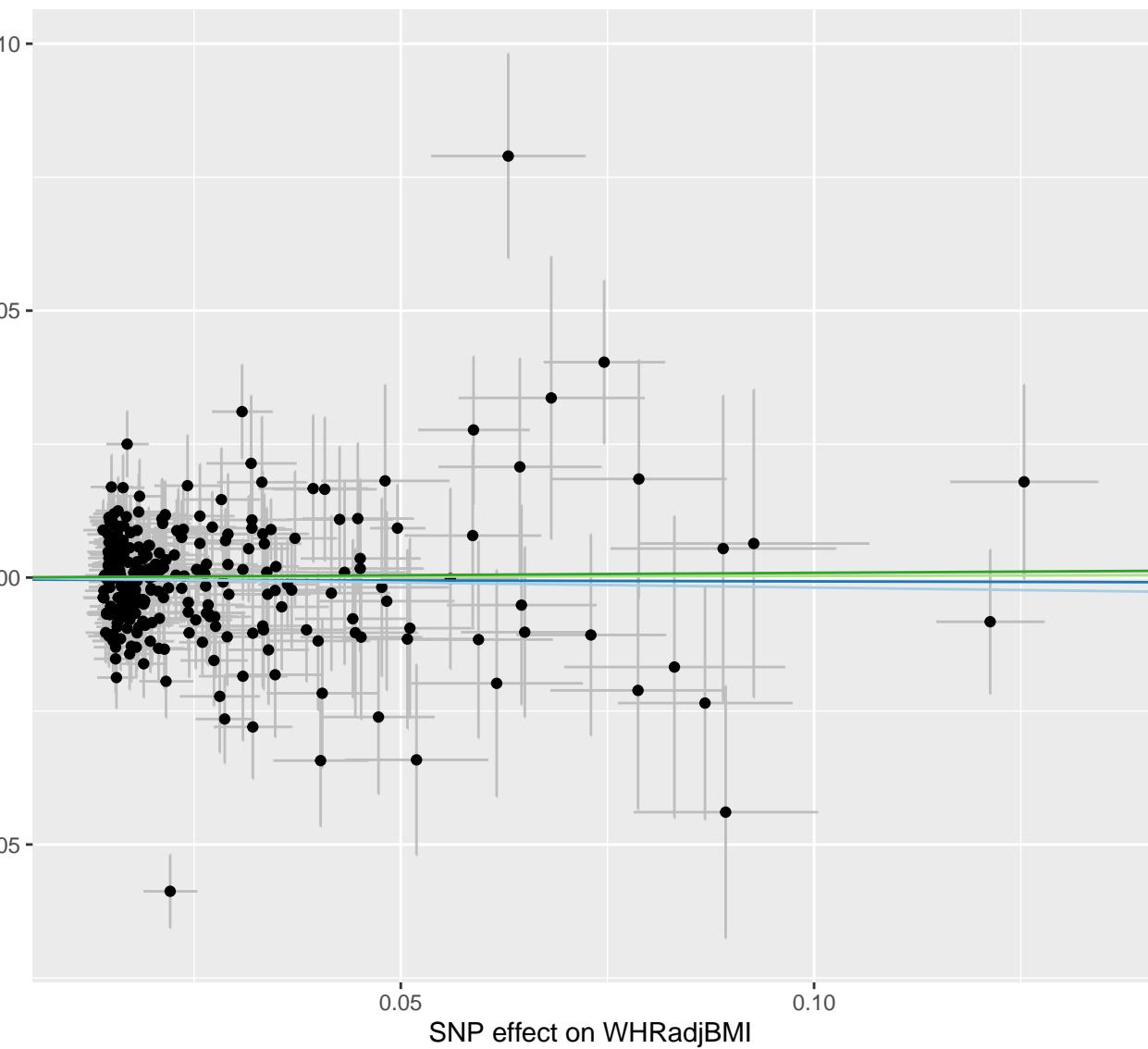


Weighted median



Weighted mode

SNP effect on IDL\_L\_int\_imputed.txt\_adiposity\_instruments.txt



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



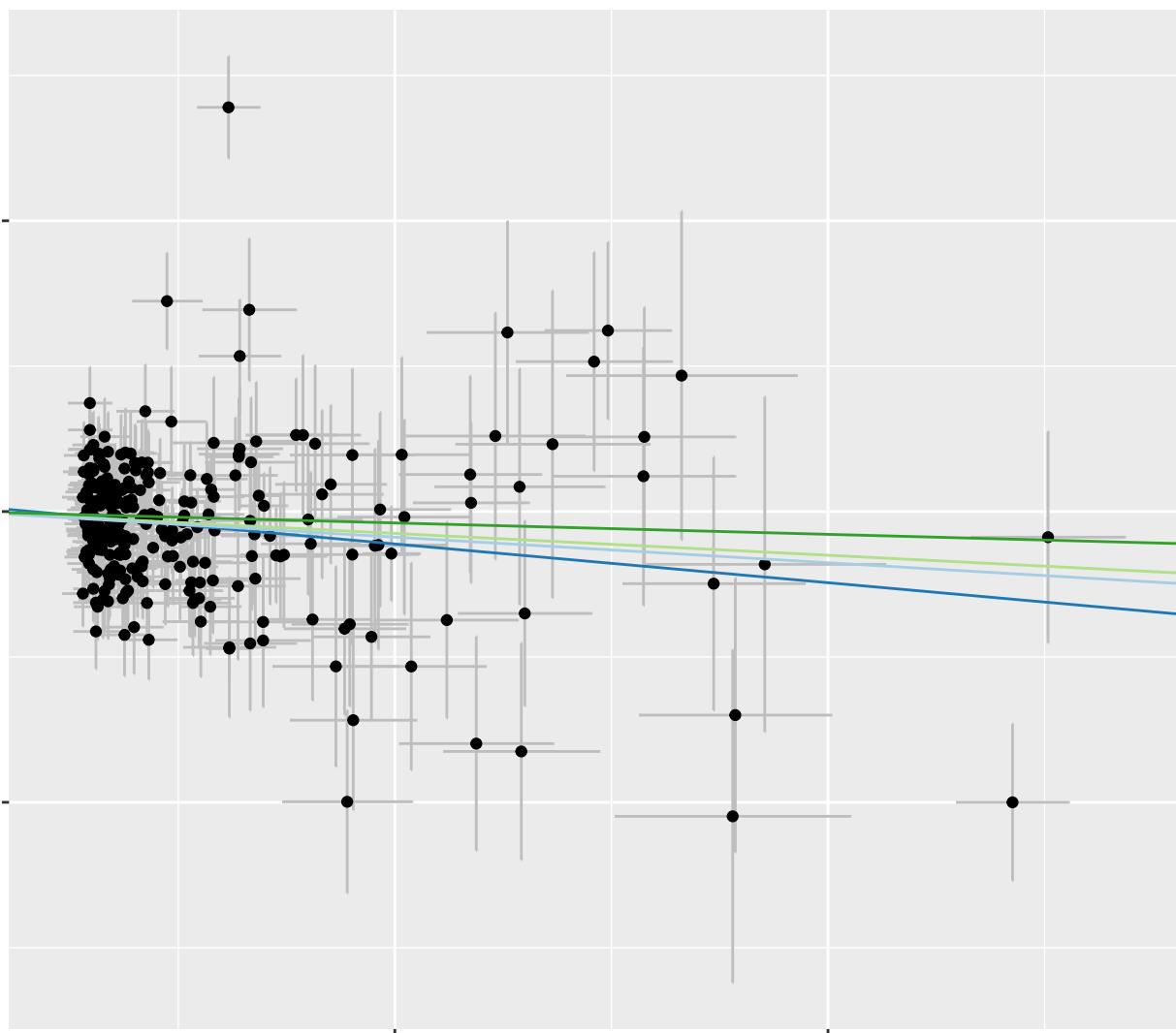
Weighted median



Weighted mode

SNP effect on Total\_P\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



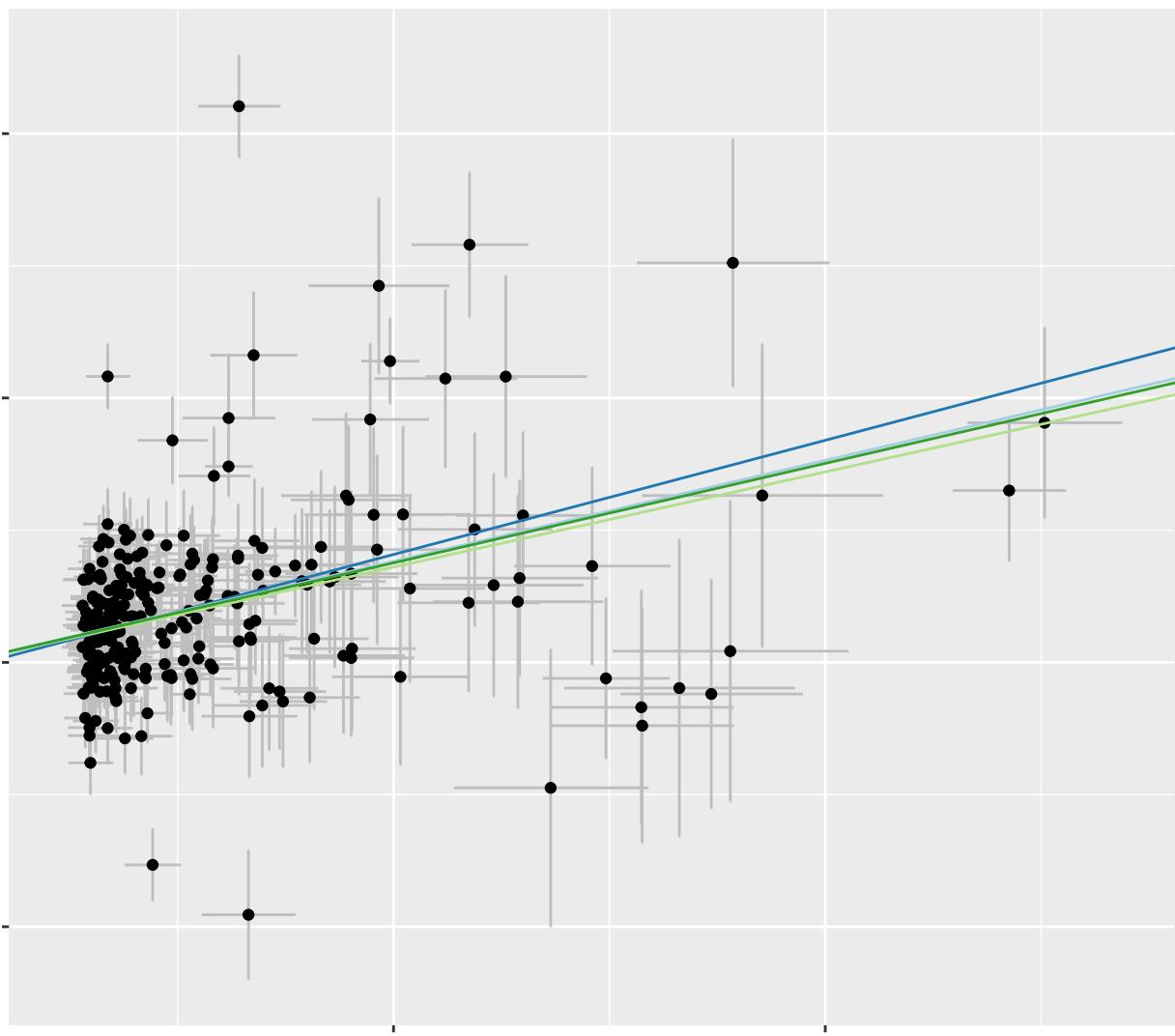
Weighted median



Weighted mode

SNP effect on XXL\_VLDL\_P\_int\_imputed\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



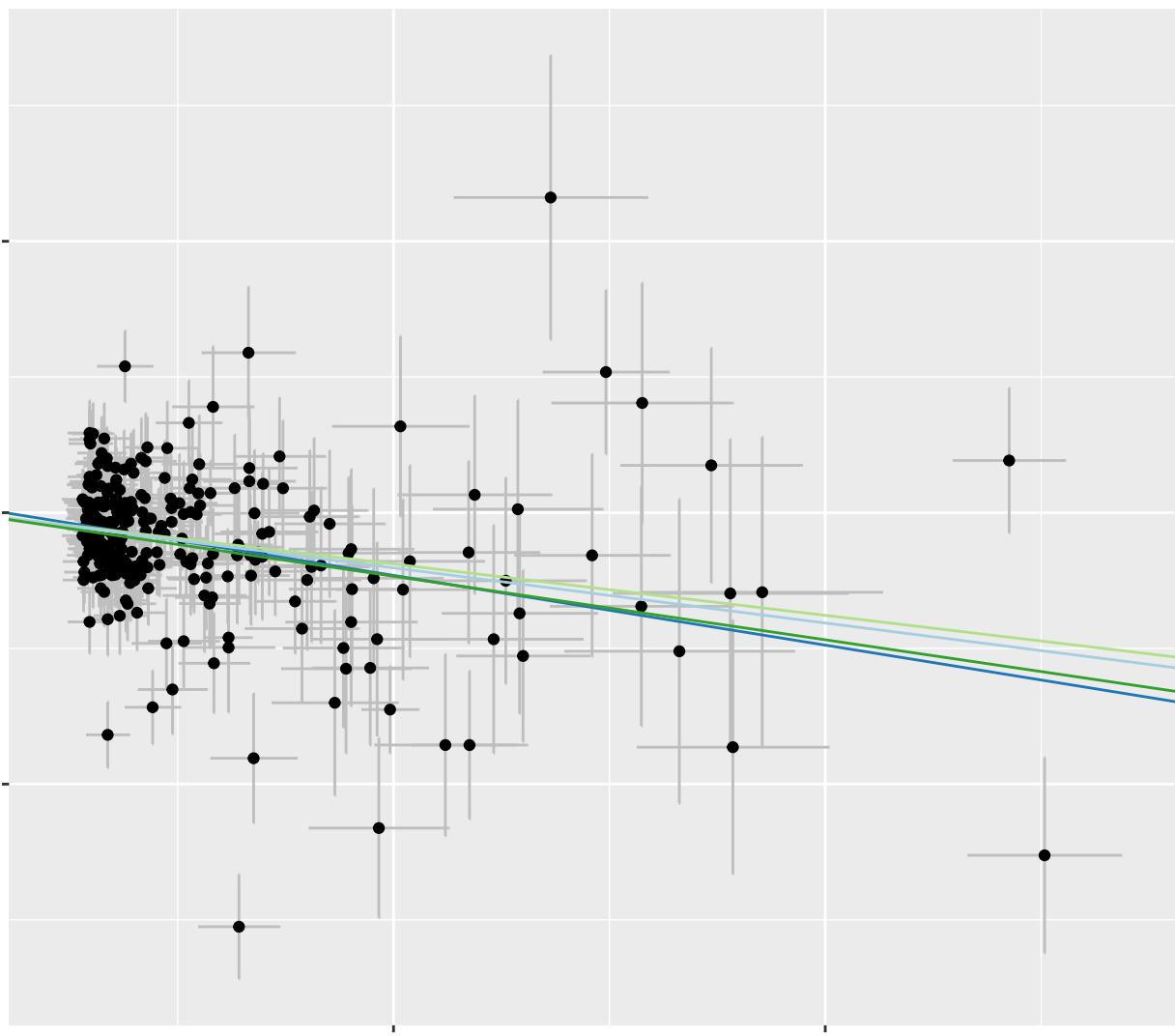
Weighted median



Weighted mode

SNP effect on S\_HDL\_C\_pct\_int\_imputed\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

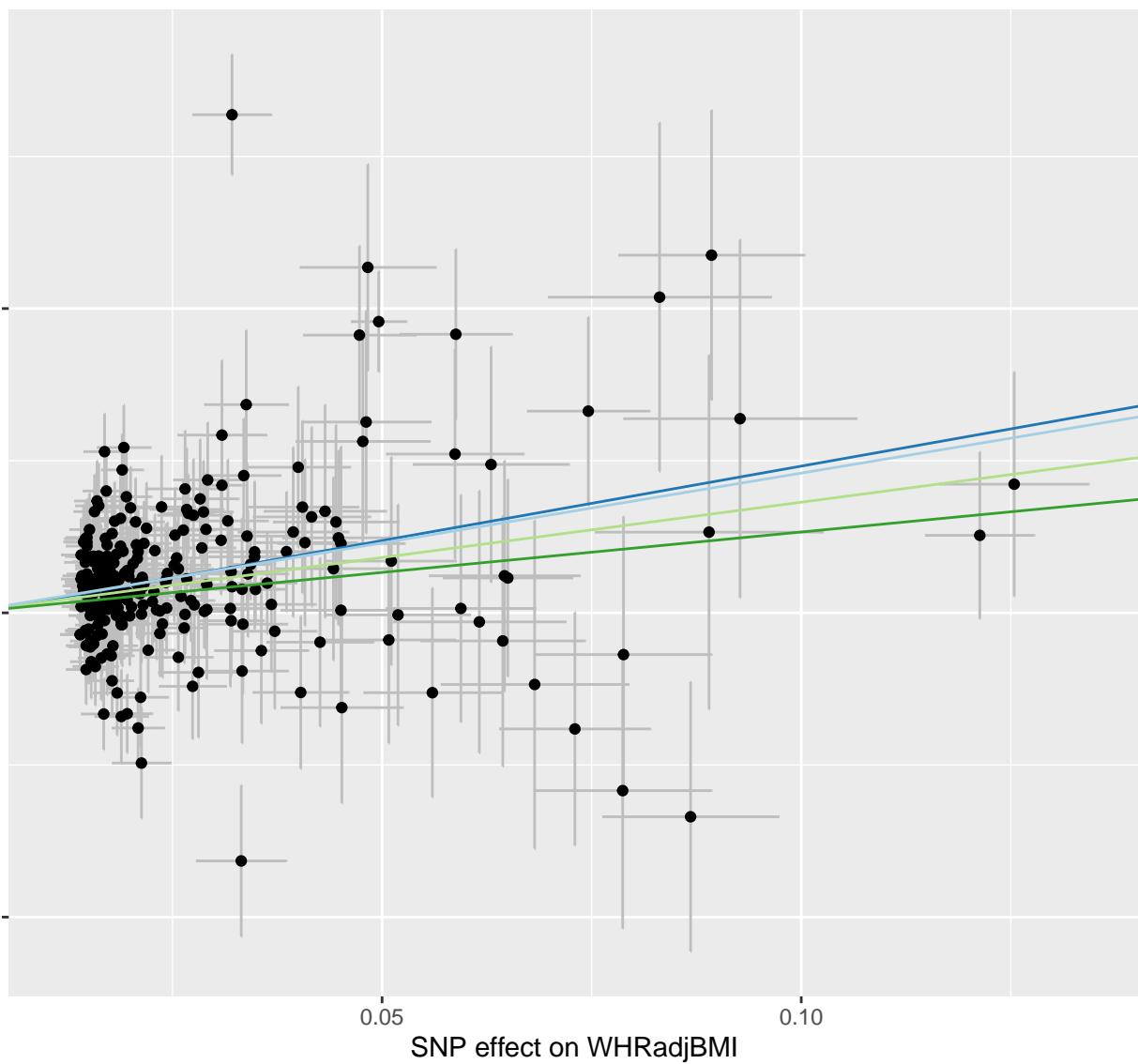


Weighted median



Weighted mode

SNP effect on XXL\_VLDL\_PL\_pct\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



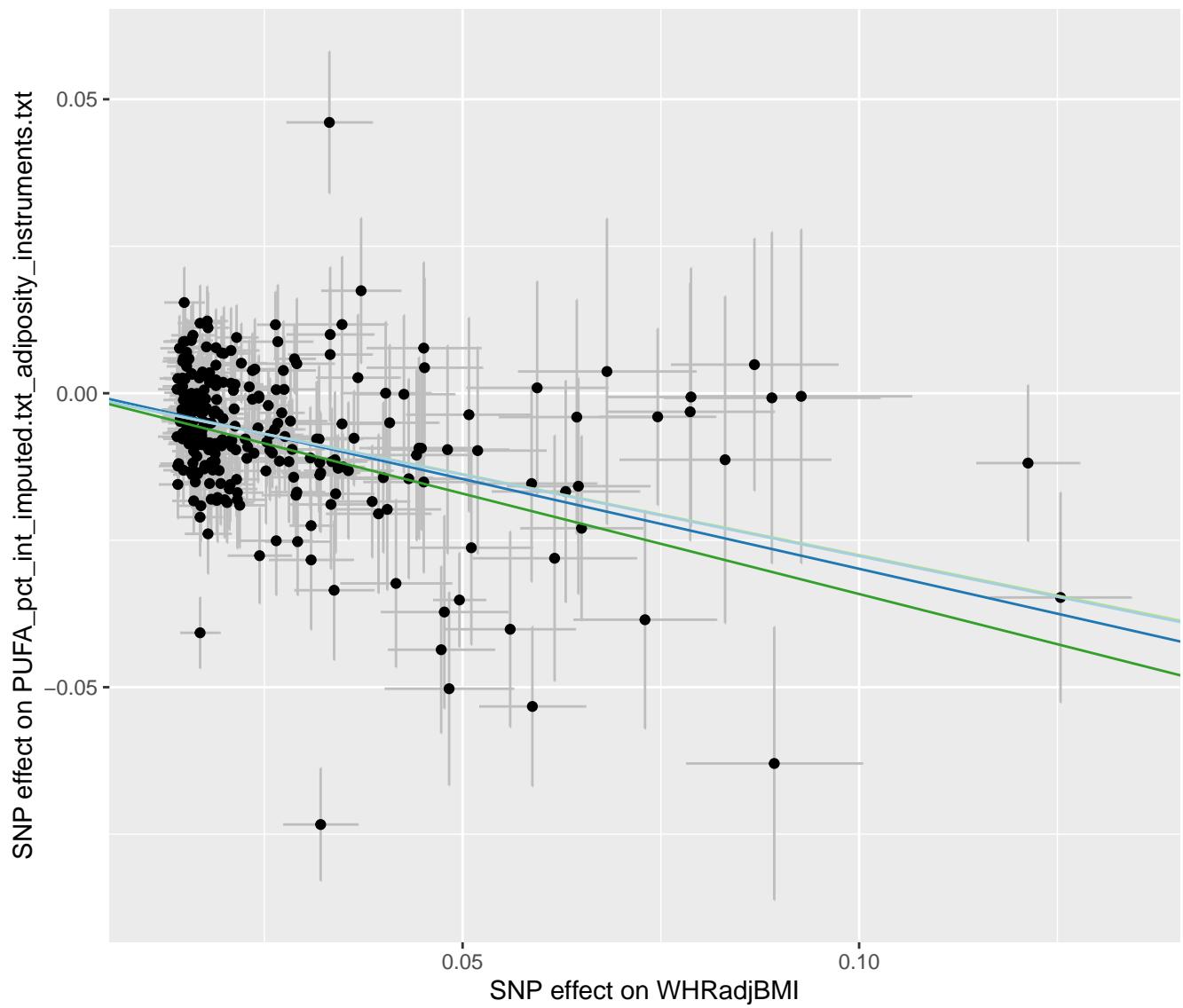
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



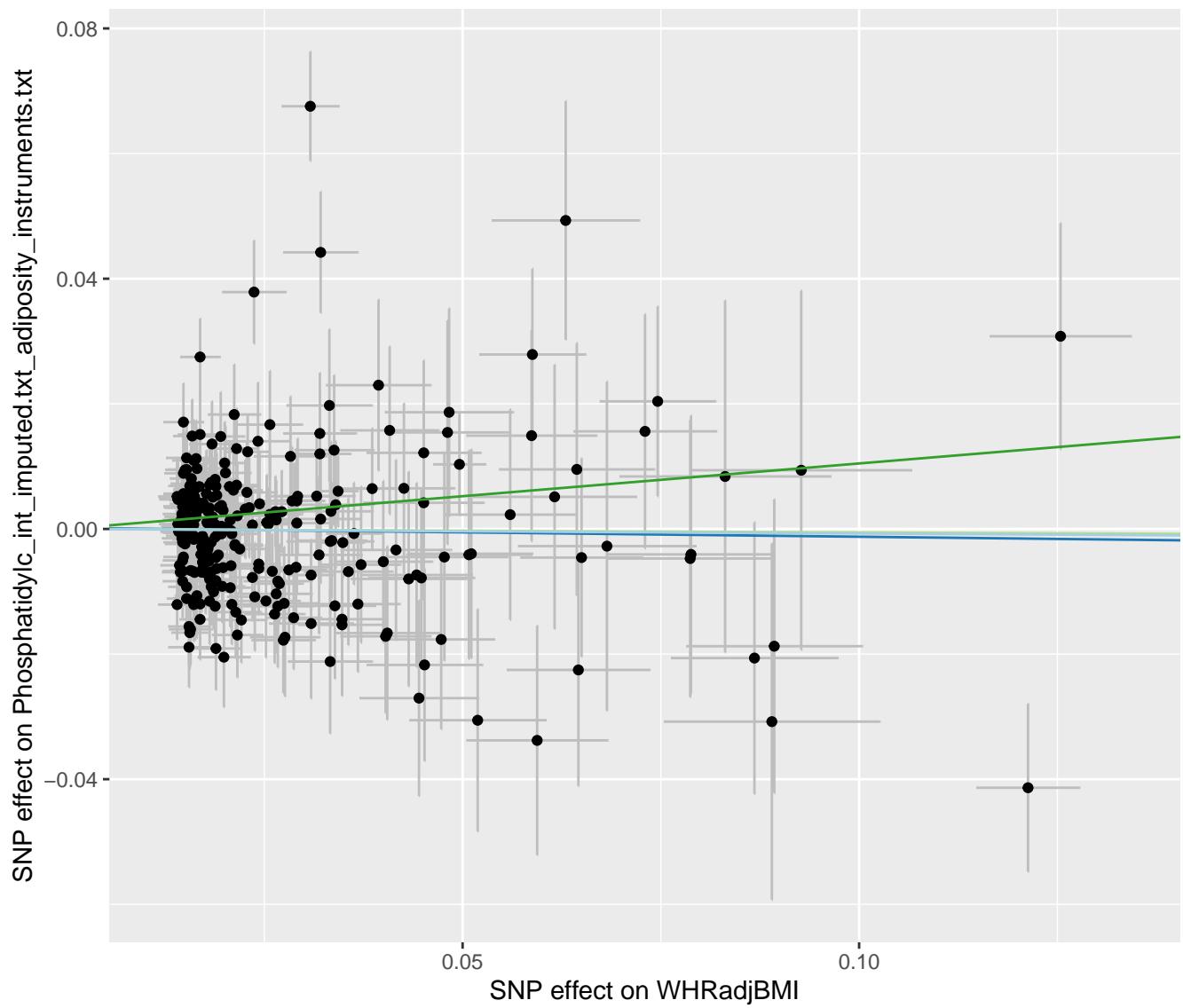
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



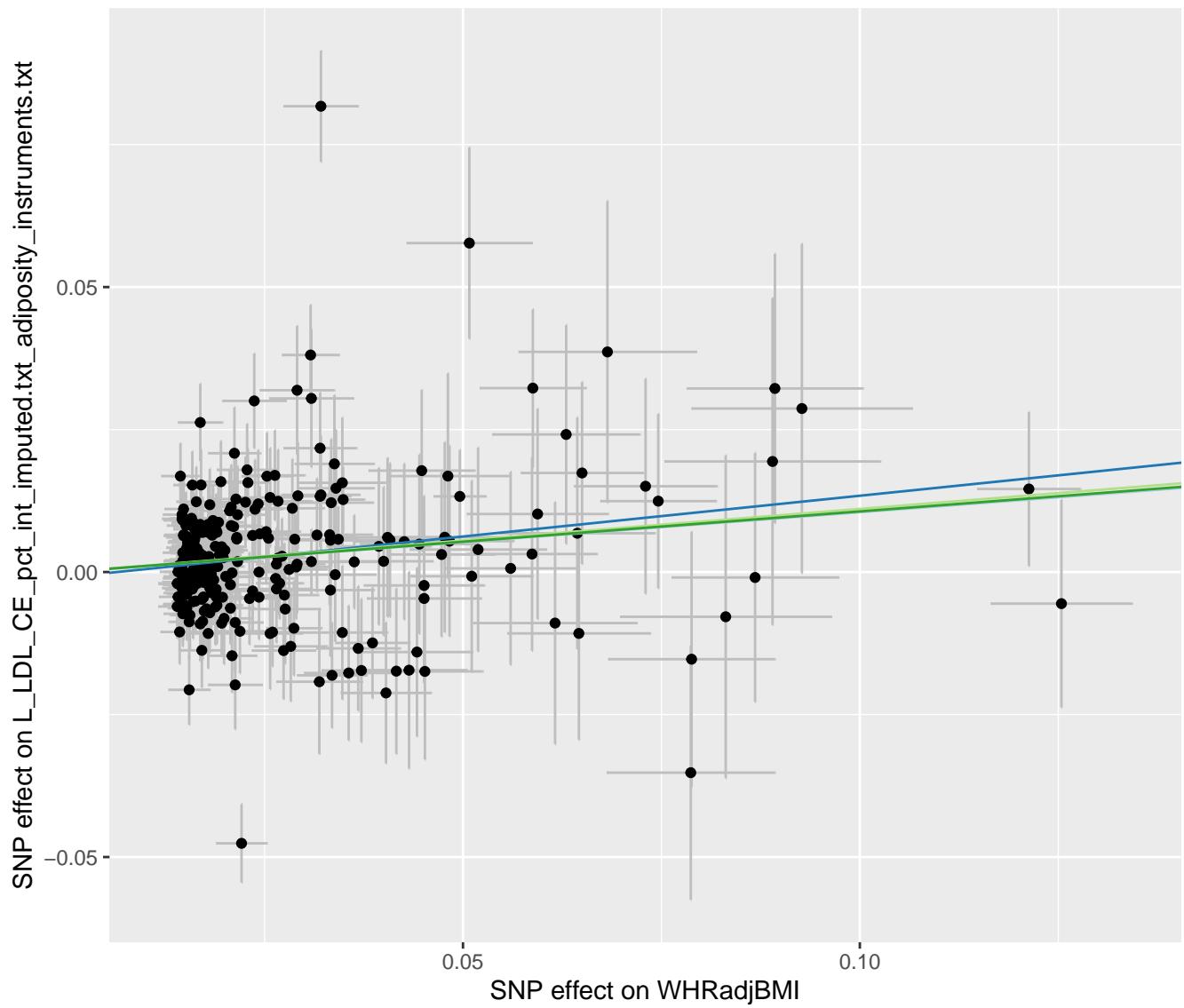
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



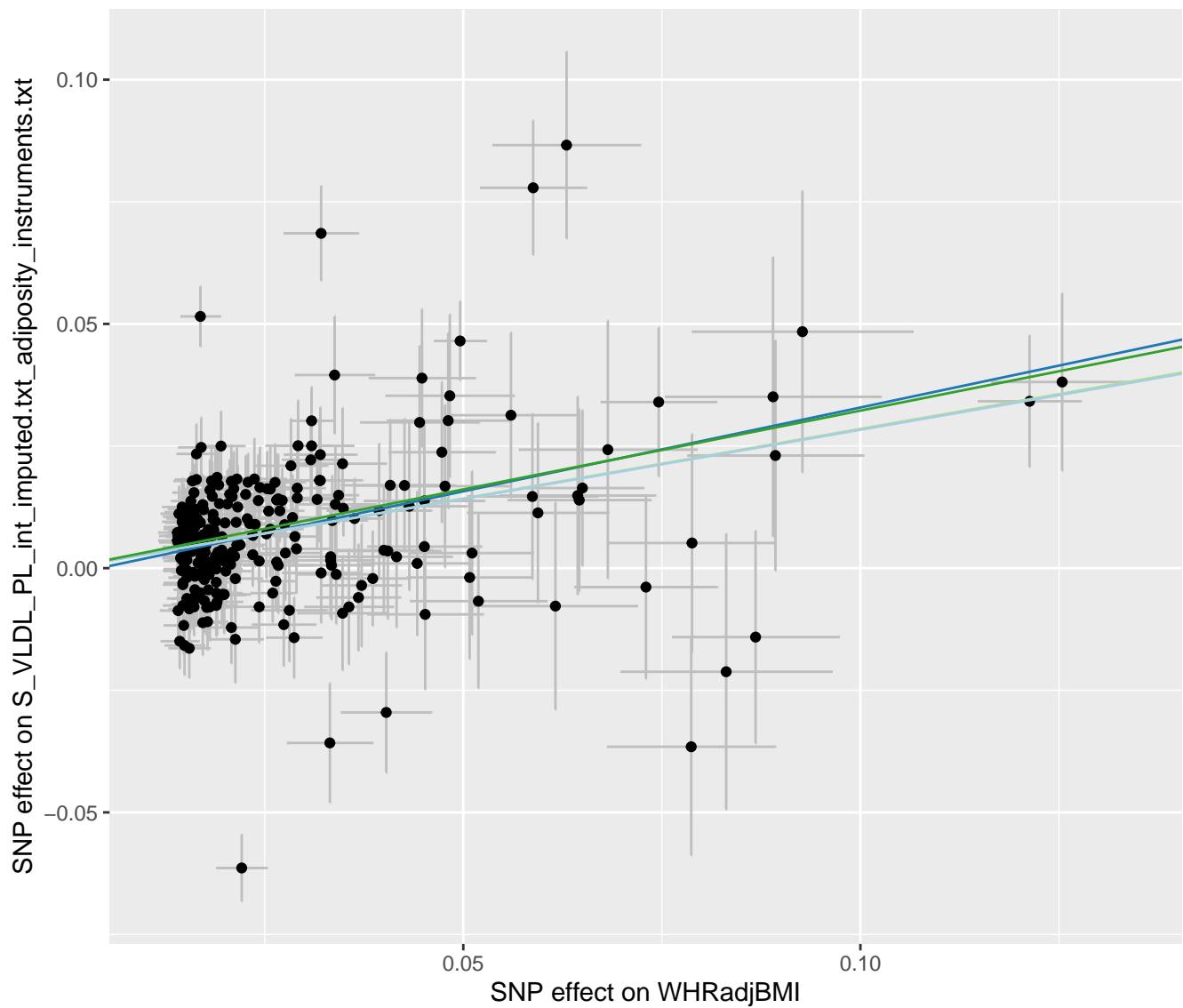
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



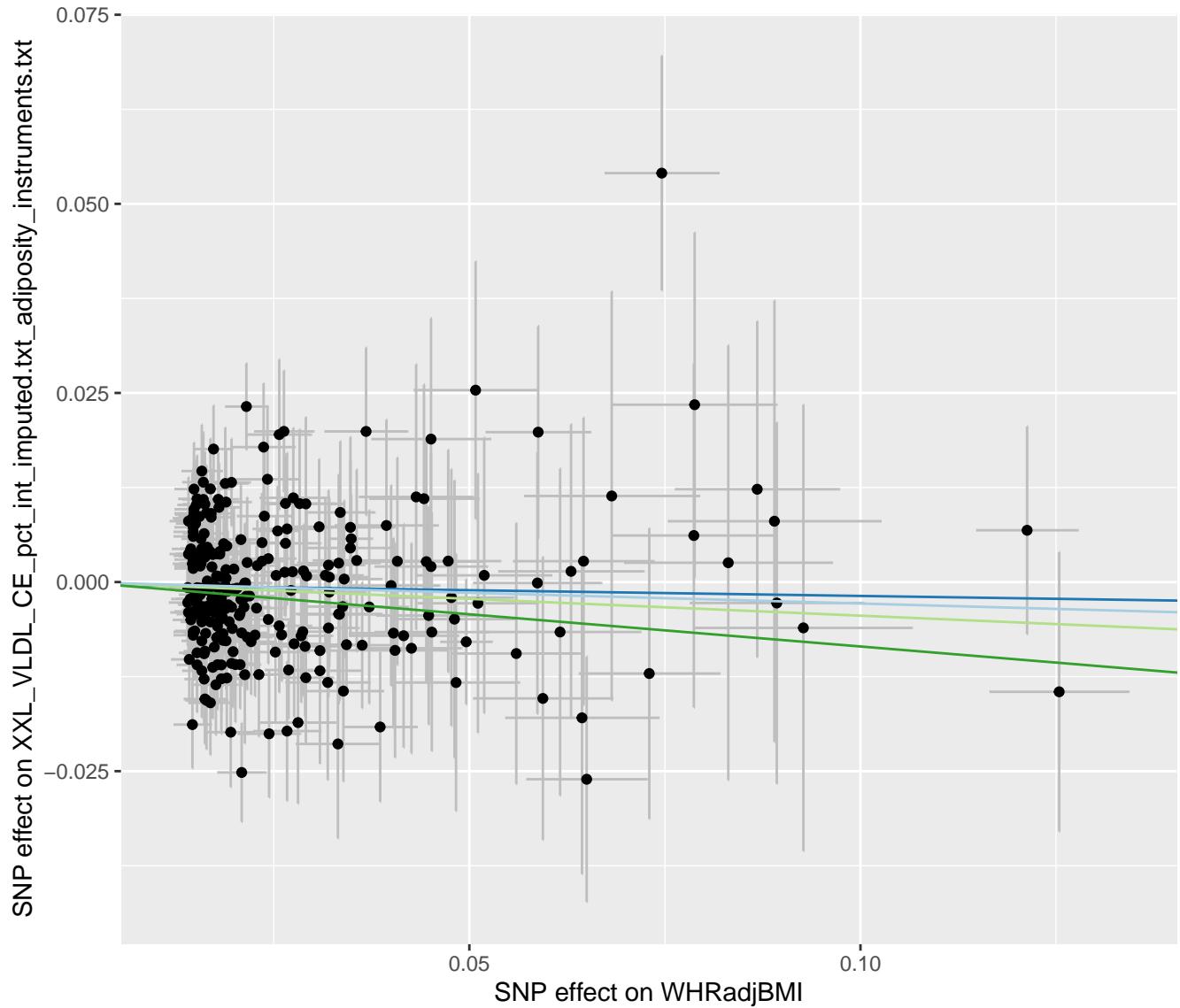
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



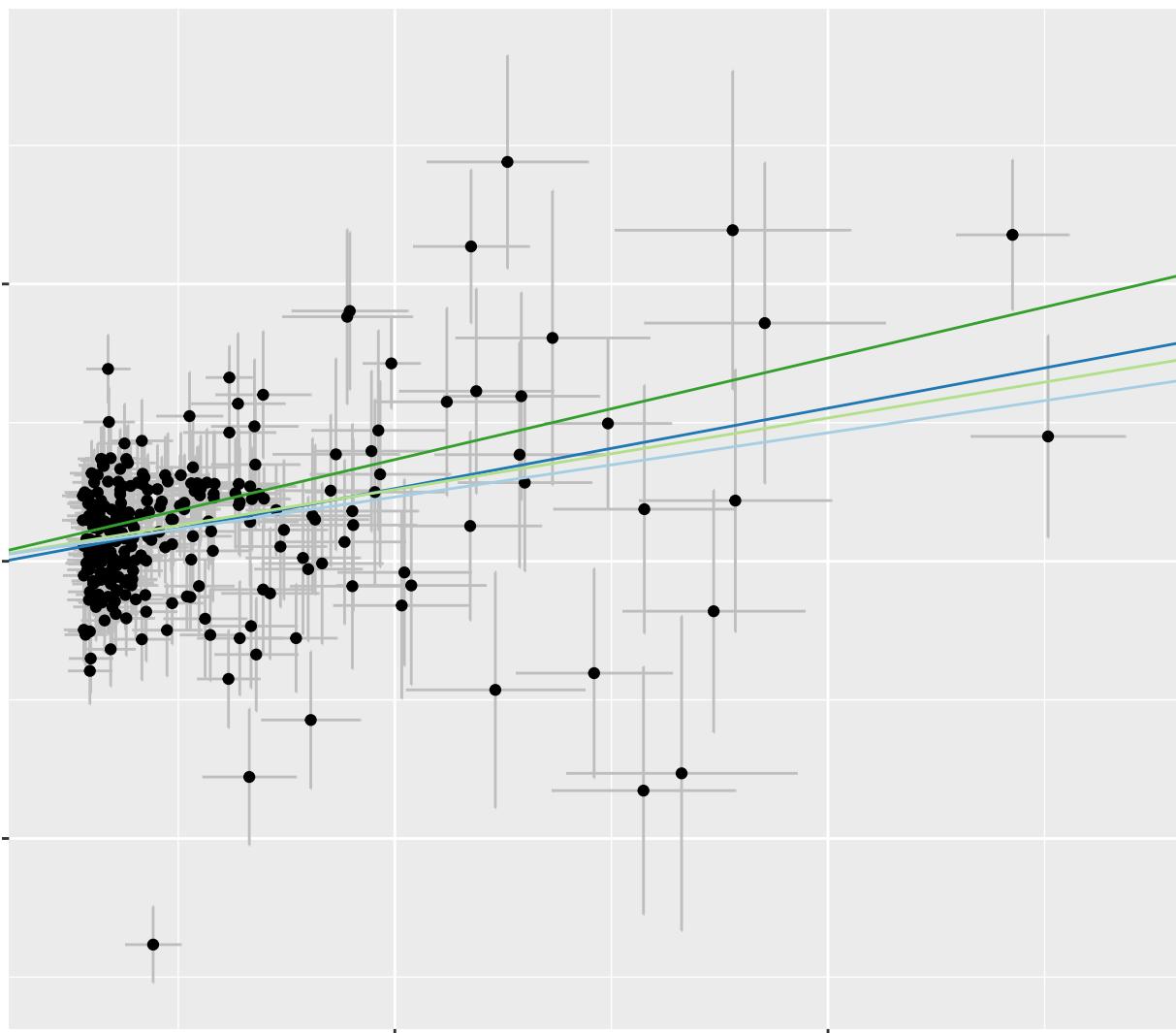
Weighted median



Weighted mode

SNP effect on ApoB\_by\_ApoA1\_int\_imputed\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



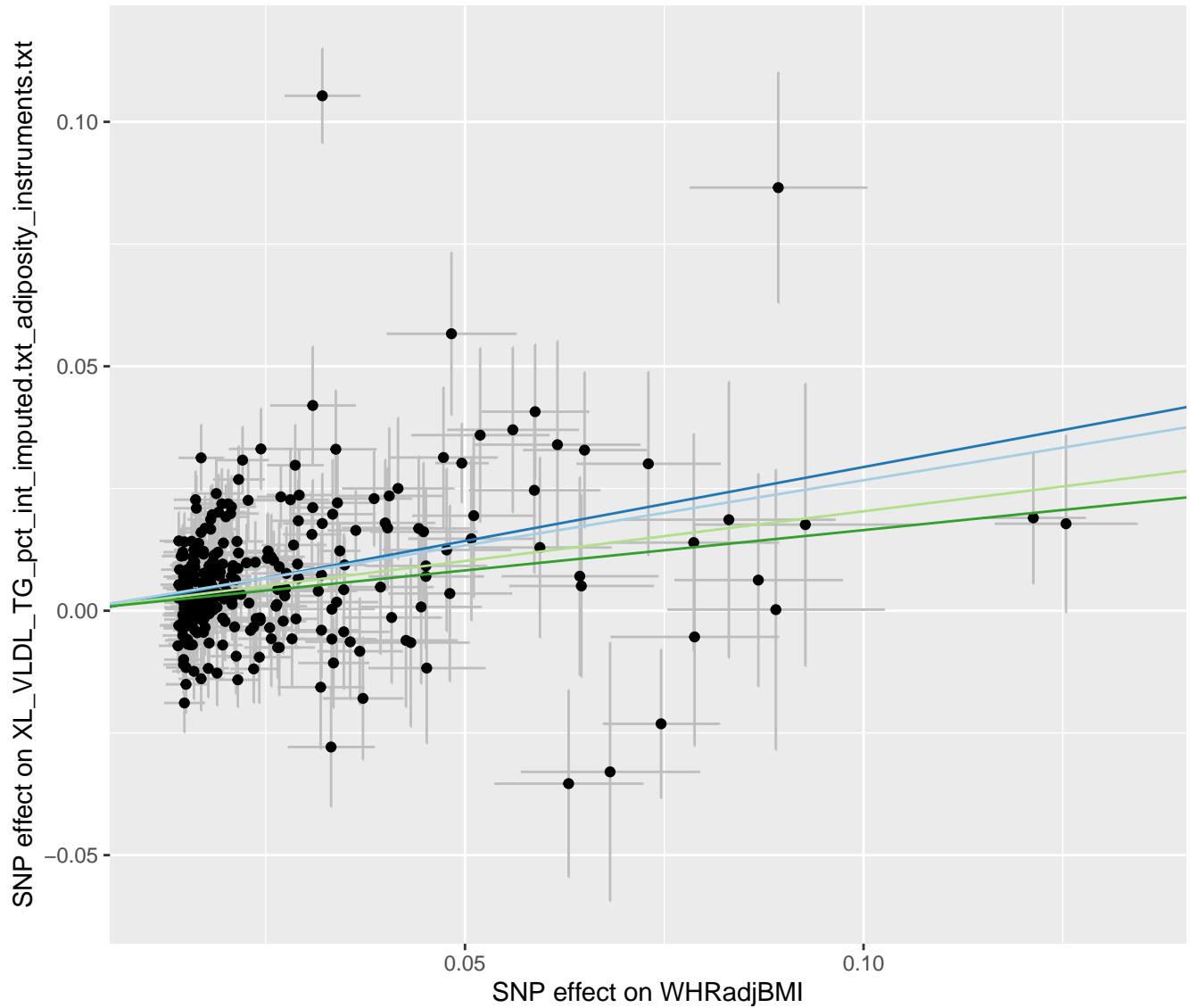
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



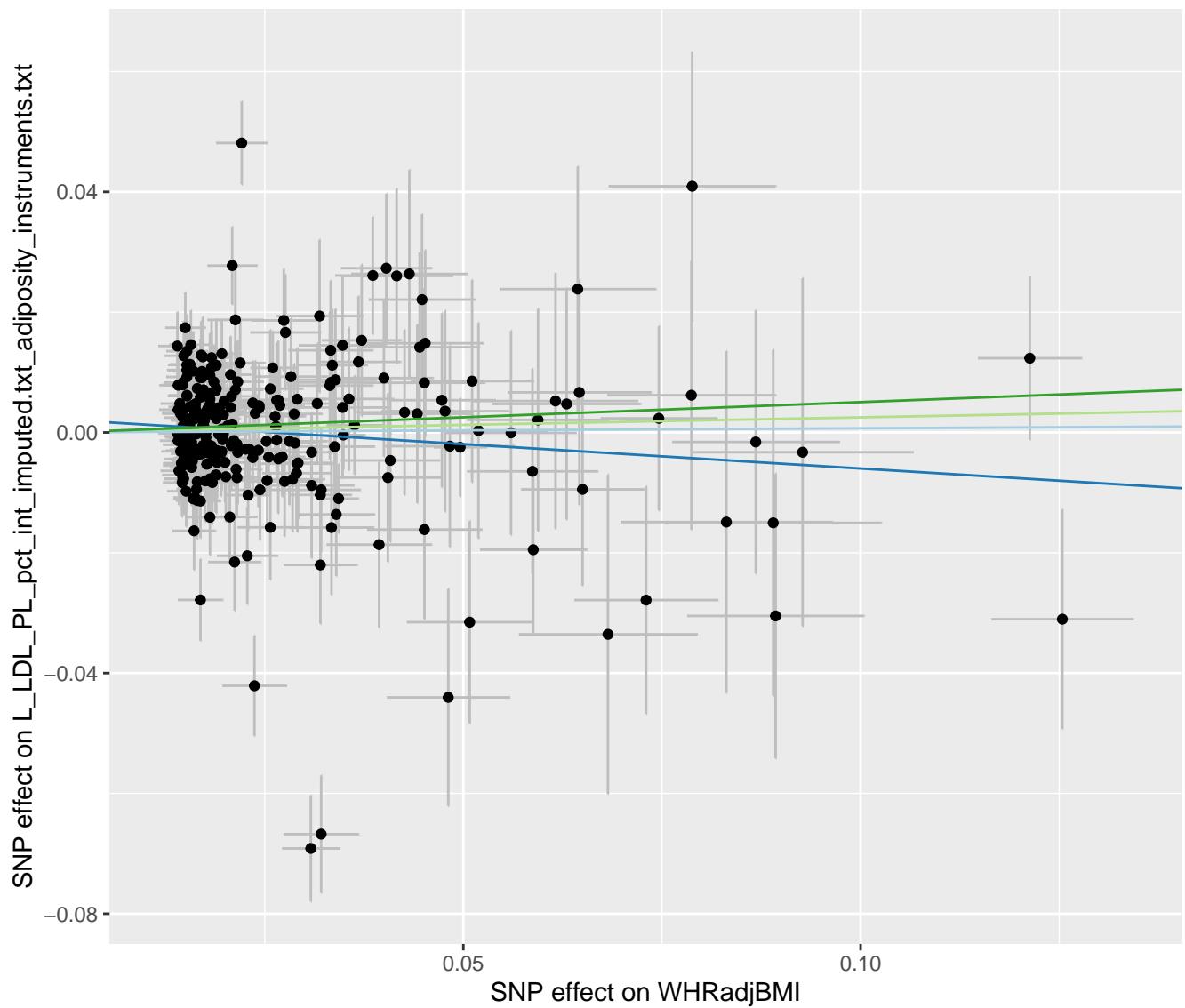
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



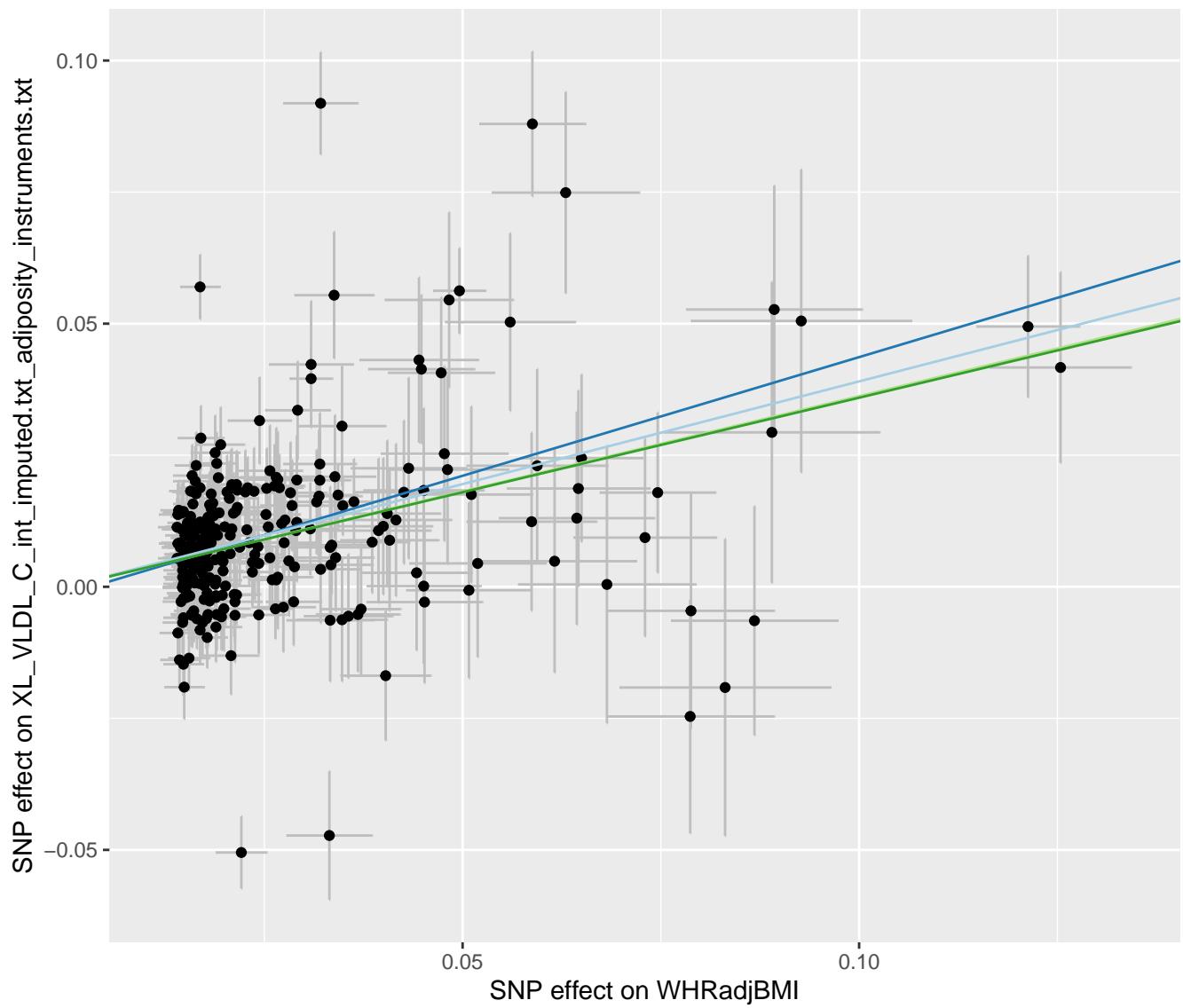
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



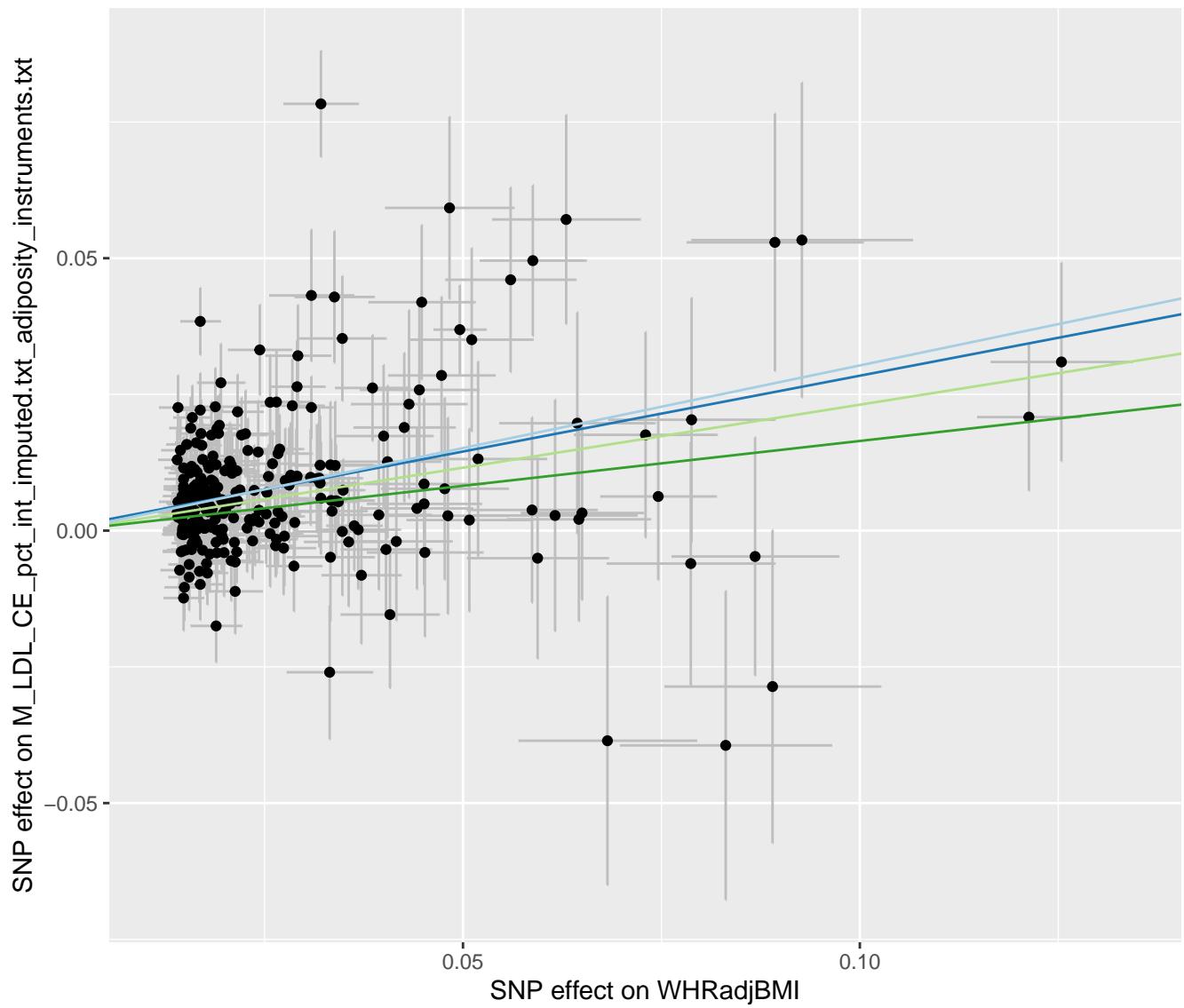
MR Egger



Weighted median

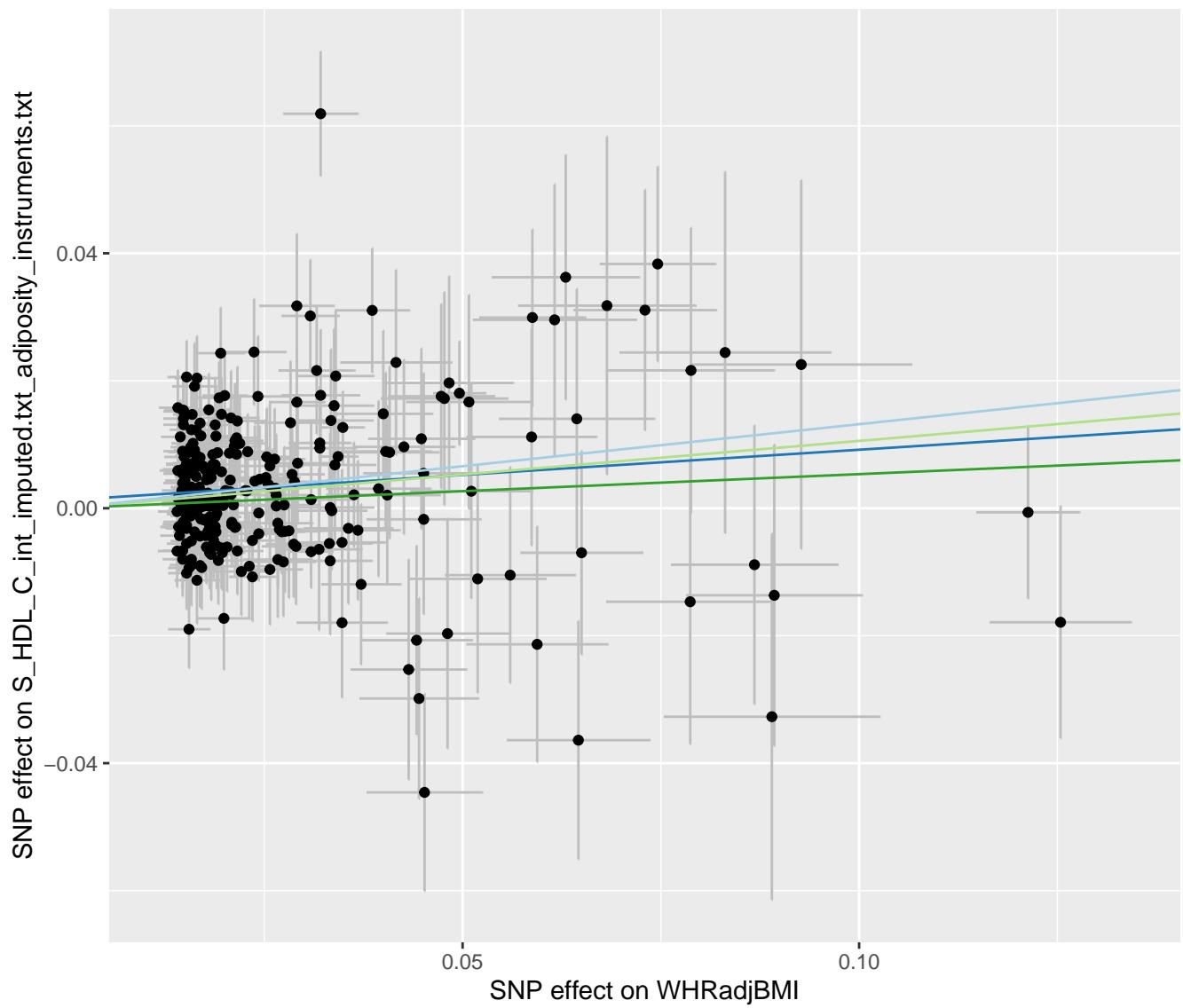


Weighted mode



### MR Test

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



# MR Test



Inverse variance weighted (multiplicative random effects)



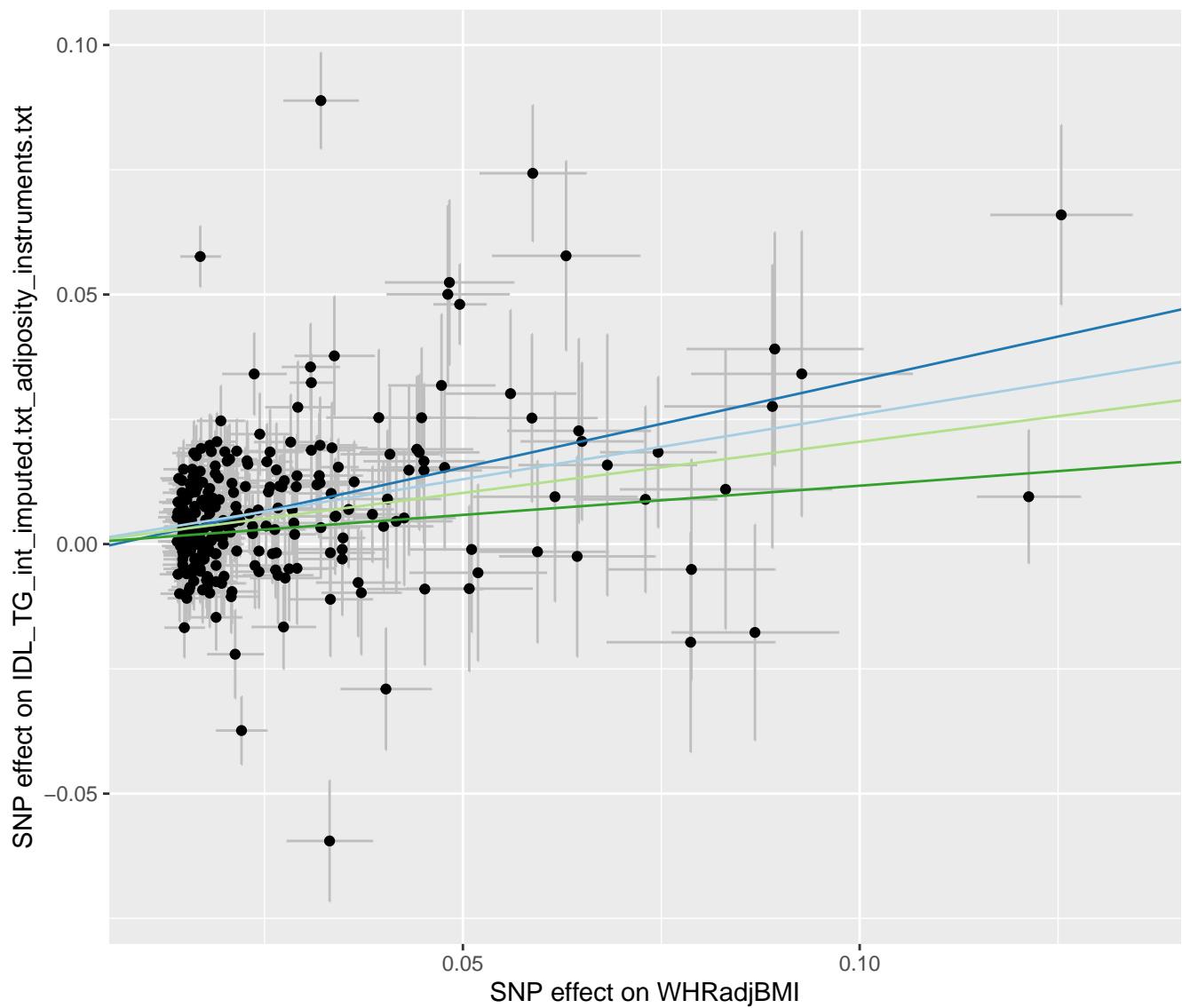
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



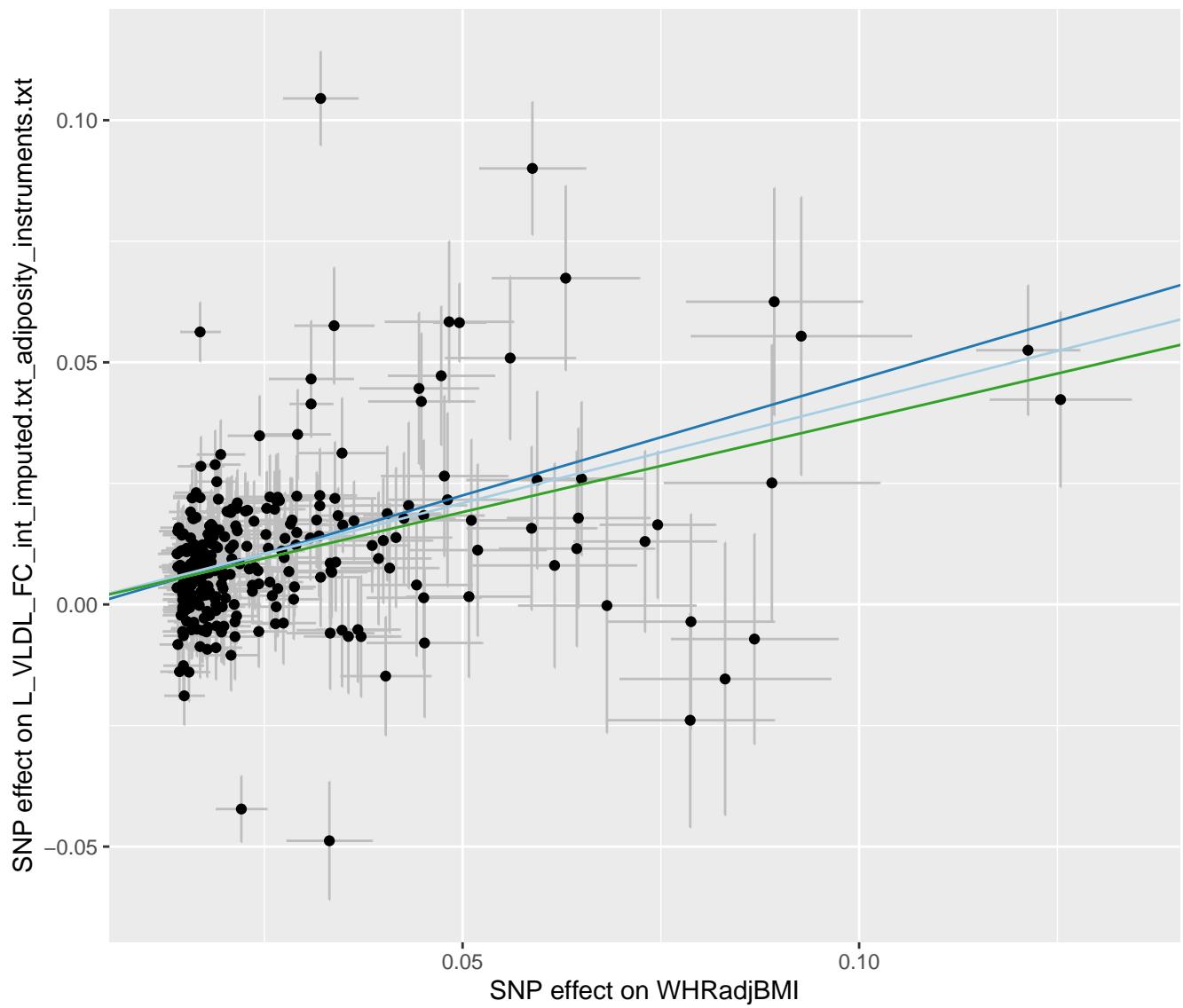
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



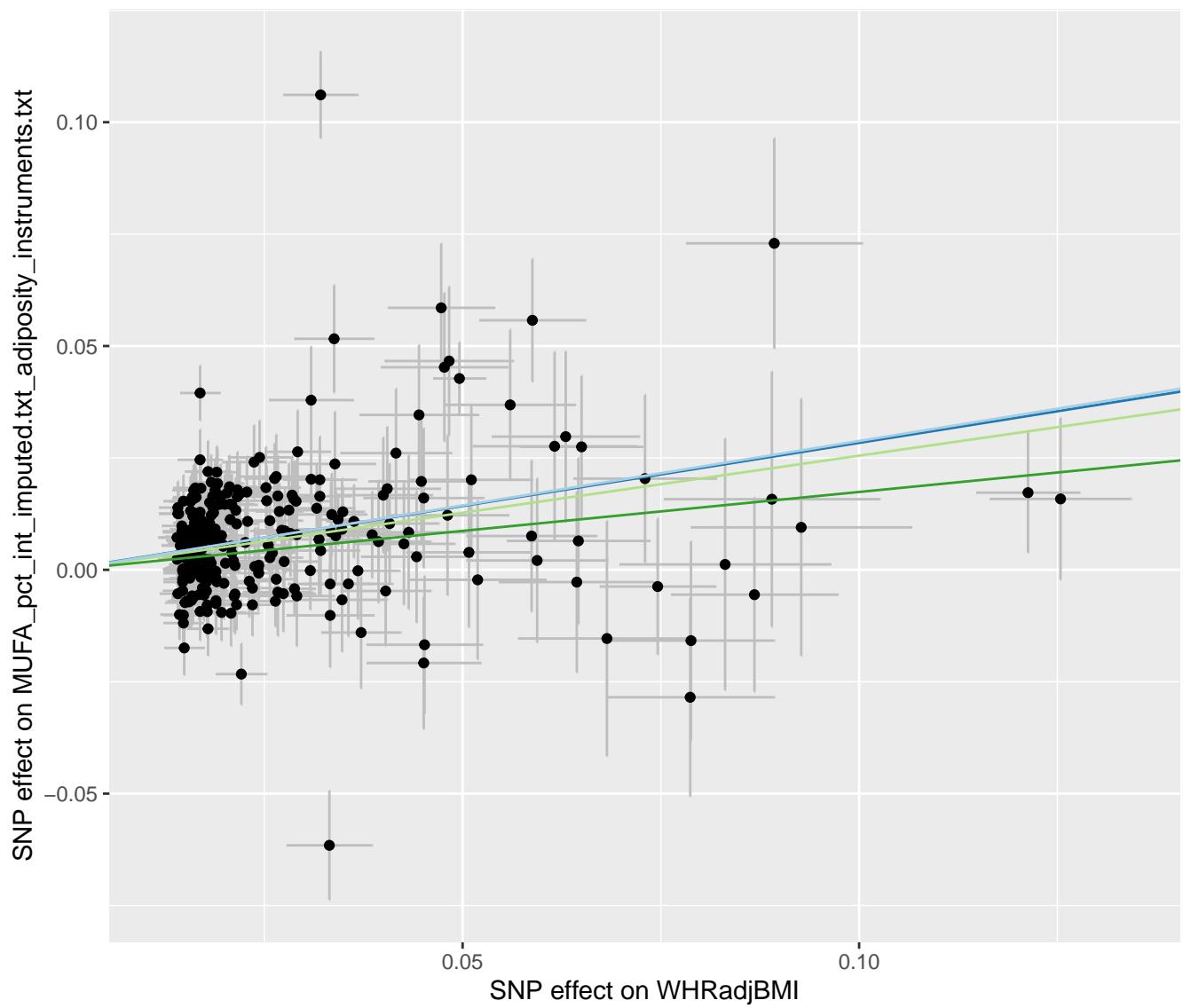
MR Egger



Weighted median



Weighted mode



MR Test

A blue line that slopes upwards from left to right.

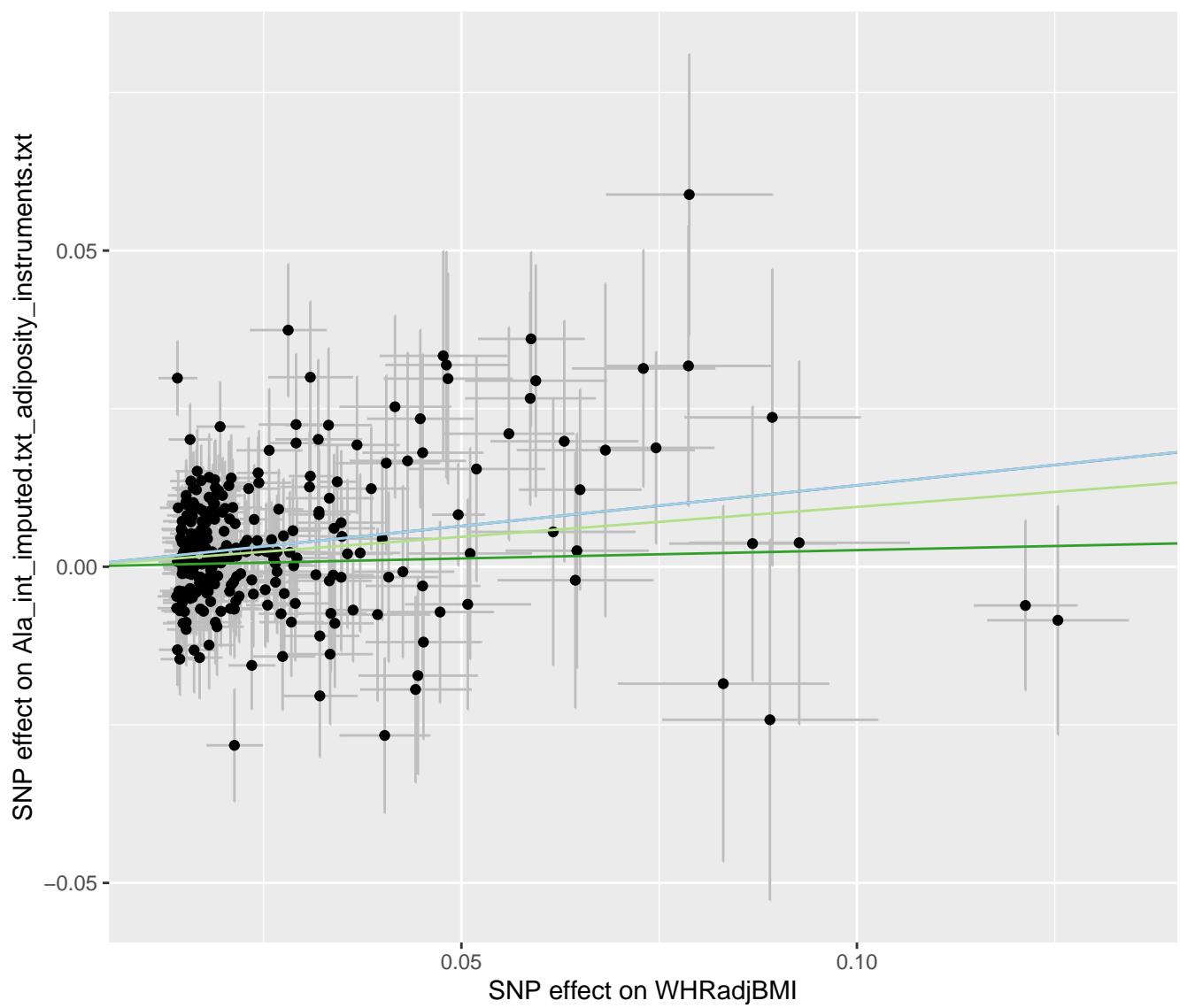
### Inverse variance weighted (multiplicative random effects)

MR Egger

100

## Weighted median

Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

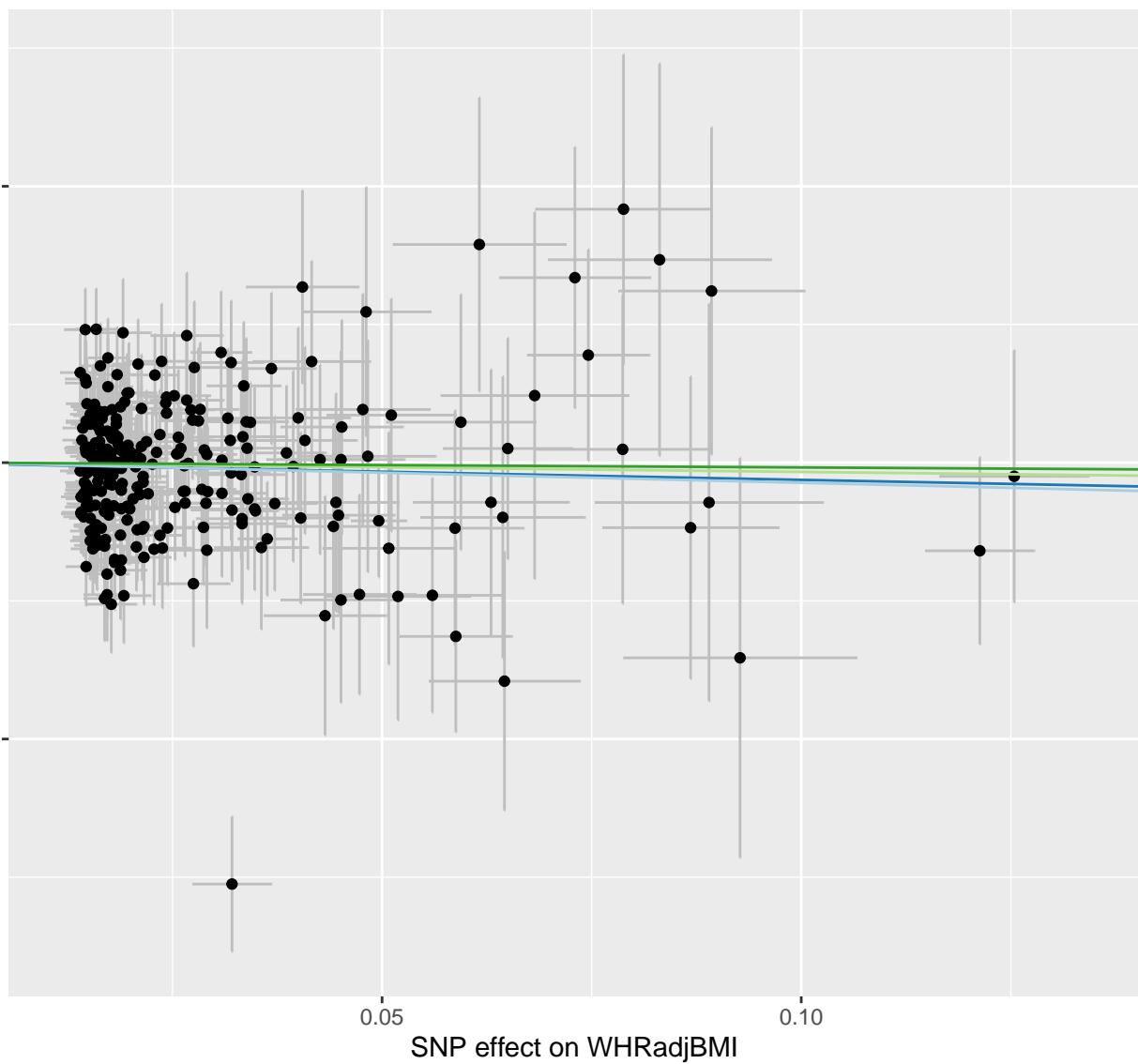


Weighted median



Weighted mode

SNP effect on Ctrate\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



Weighted mode

SNP effect on Cholines\_int\_imputed.txt\_adiposity\_instruments.txt

0.08

0.04

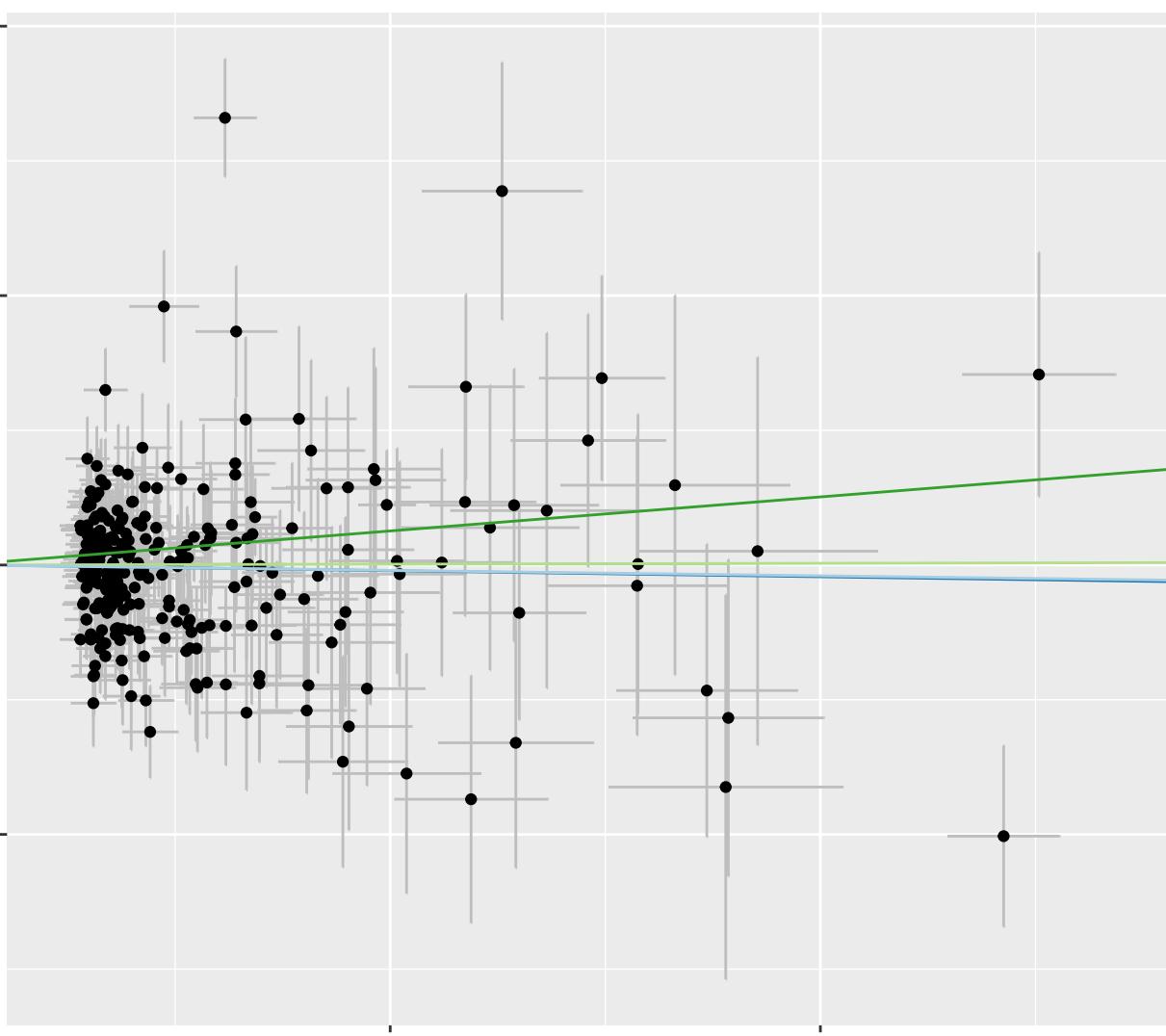
0.00

-0.04

-0.08

0.05 0.10

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

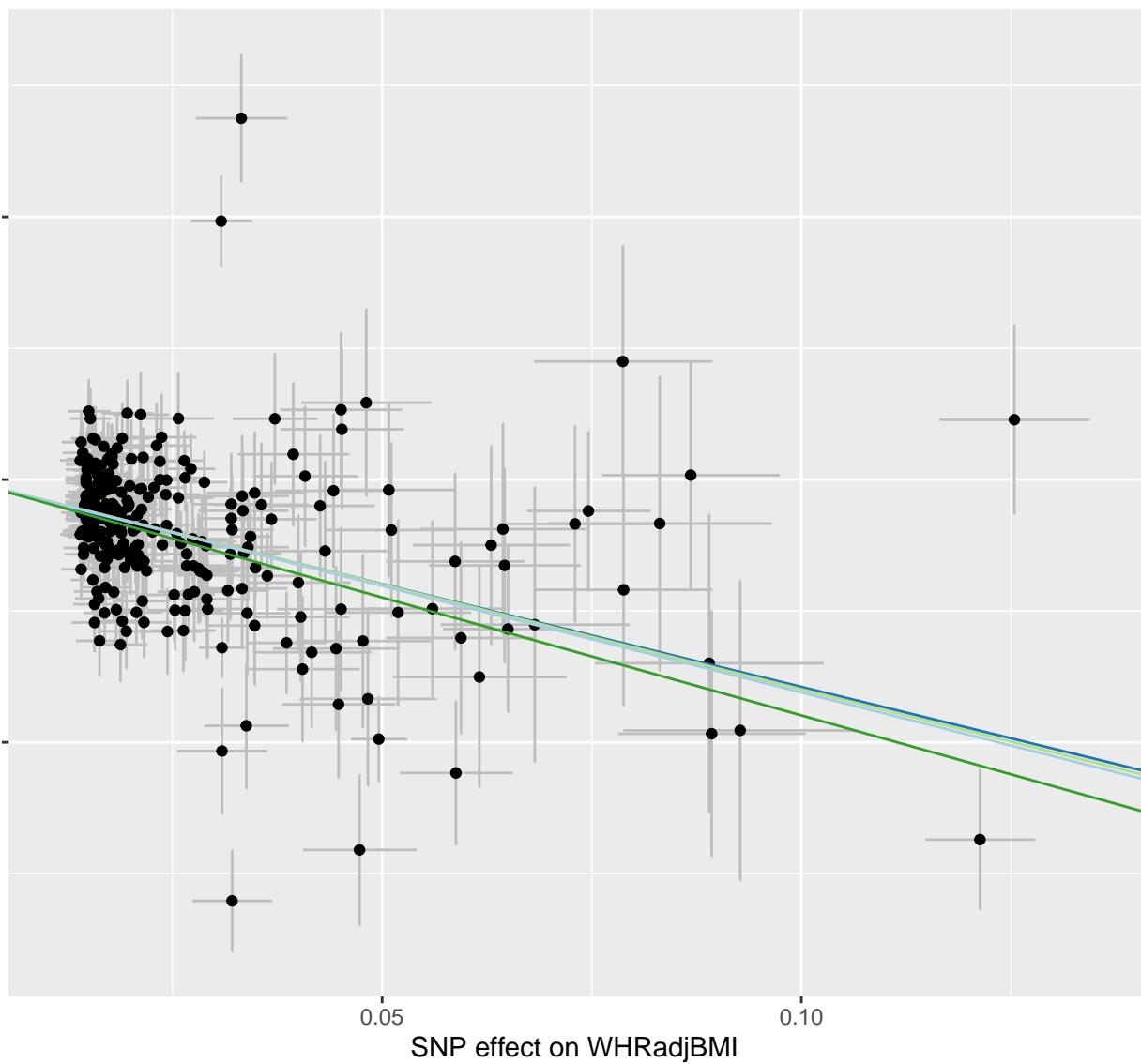


Weighted median



Weighted mode

SNP effect on XL\_HDL\_L\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



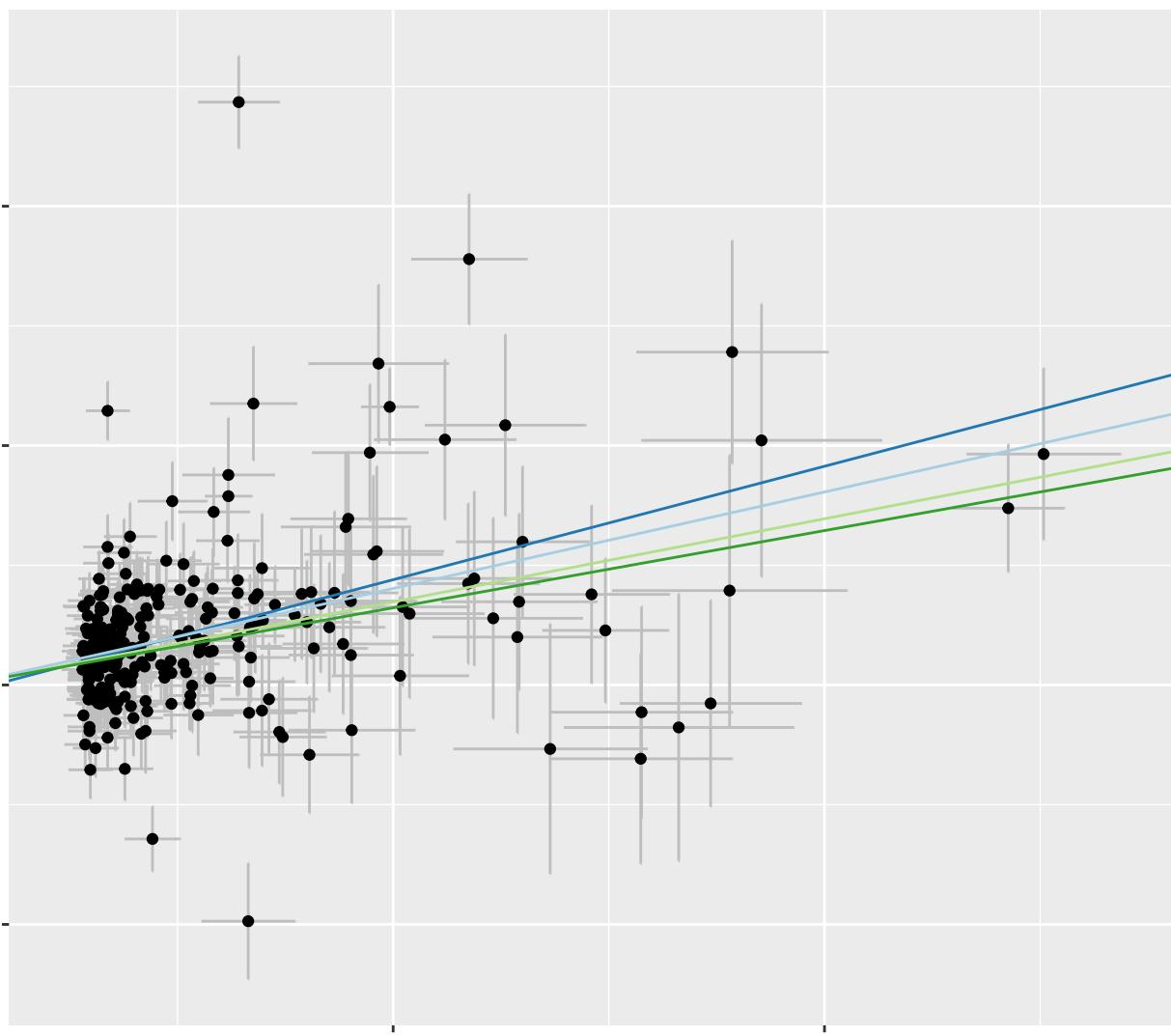
Weighted median



Weighted mode

SNP effect on Total\_TG\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



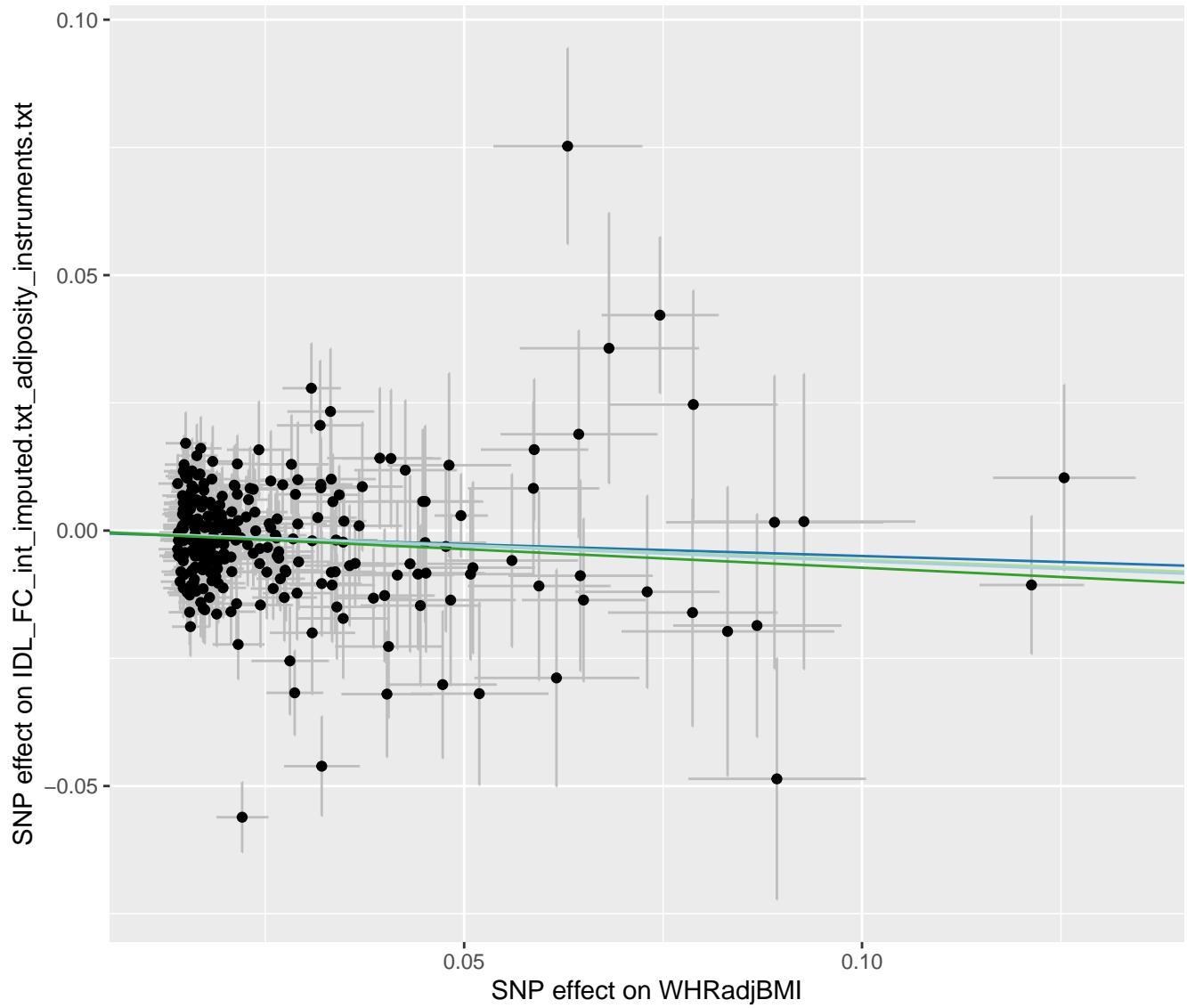
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



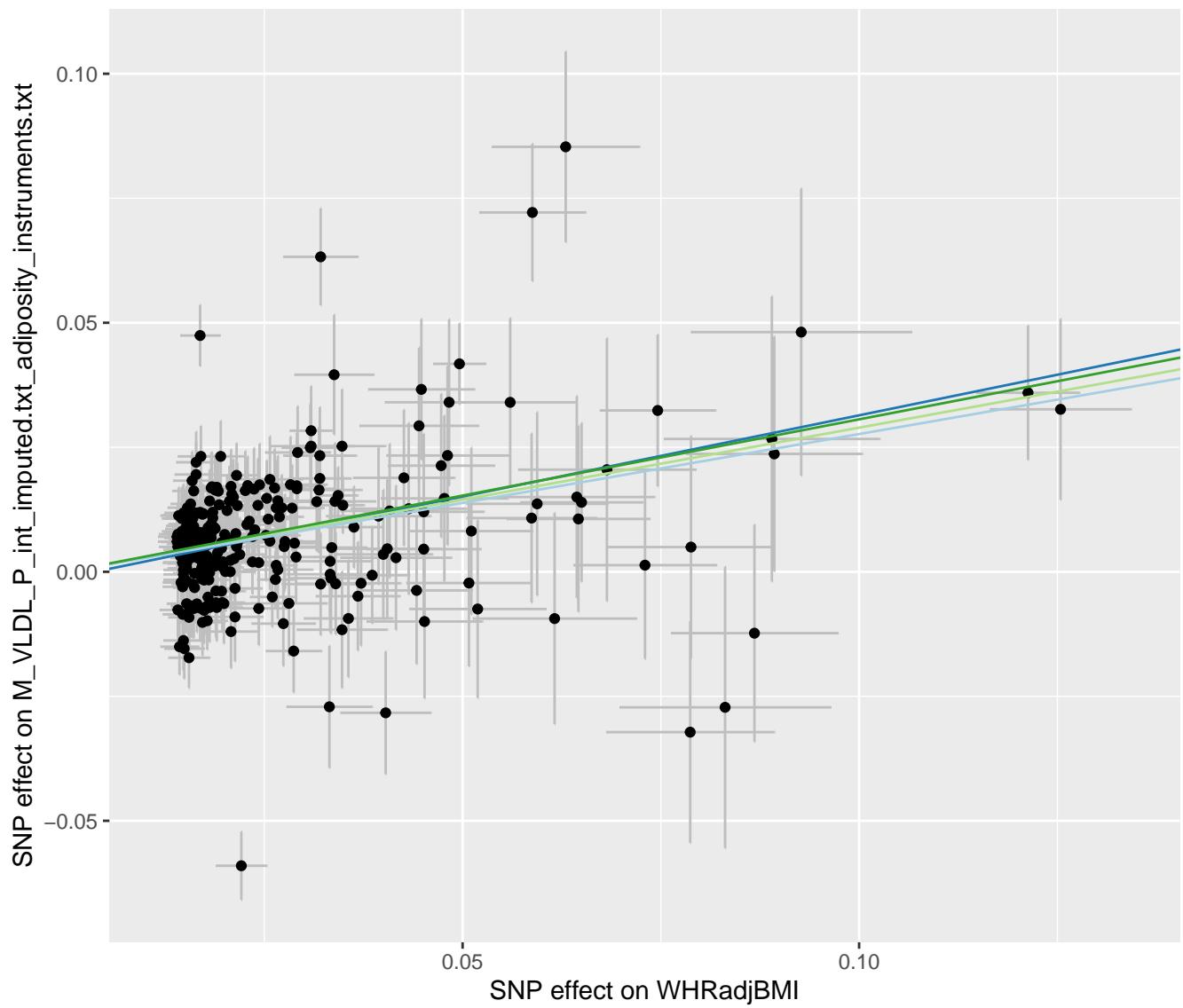
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



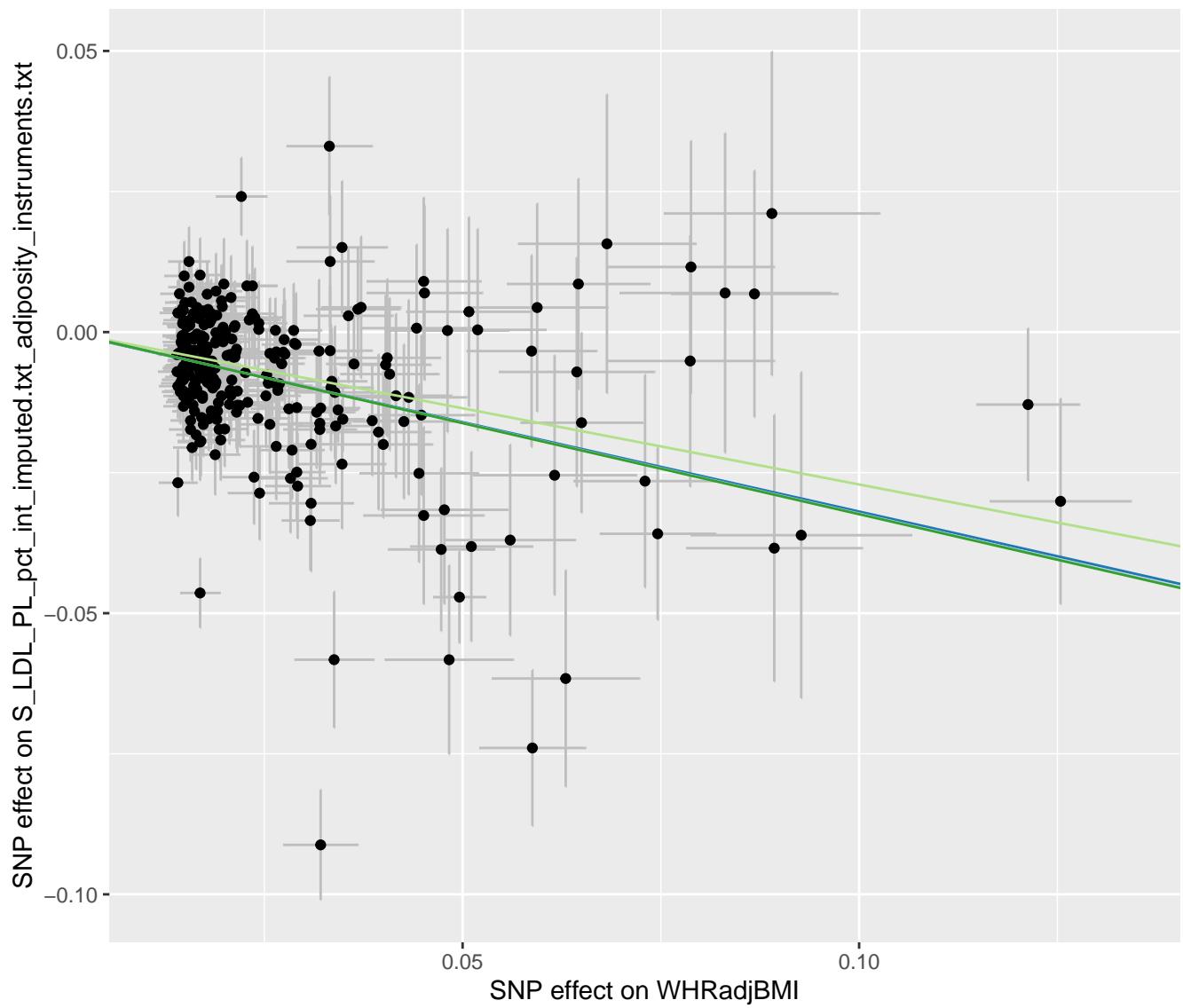
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



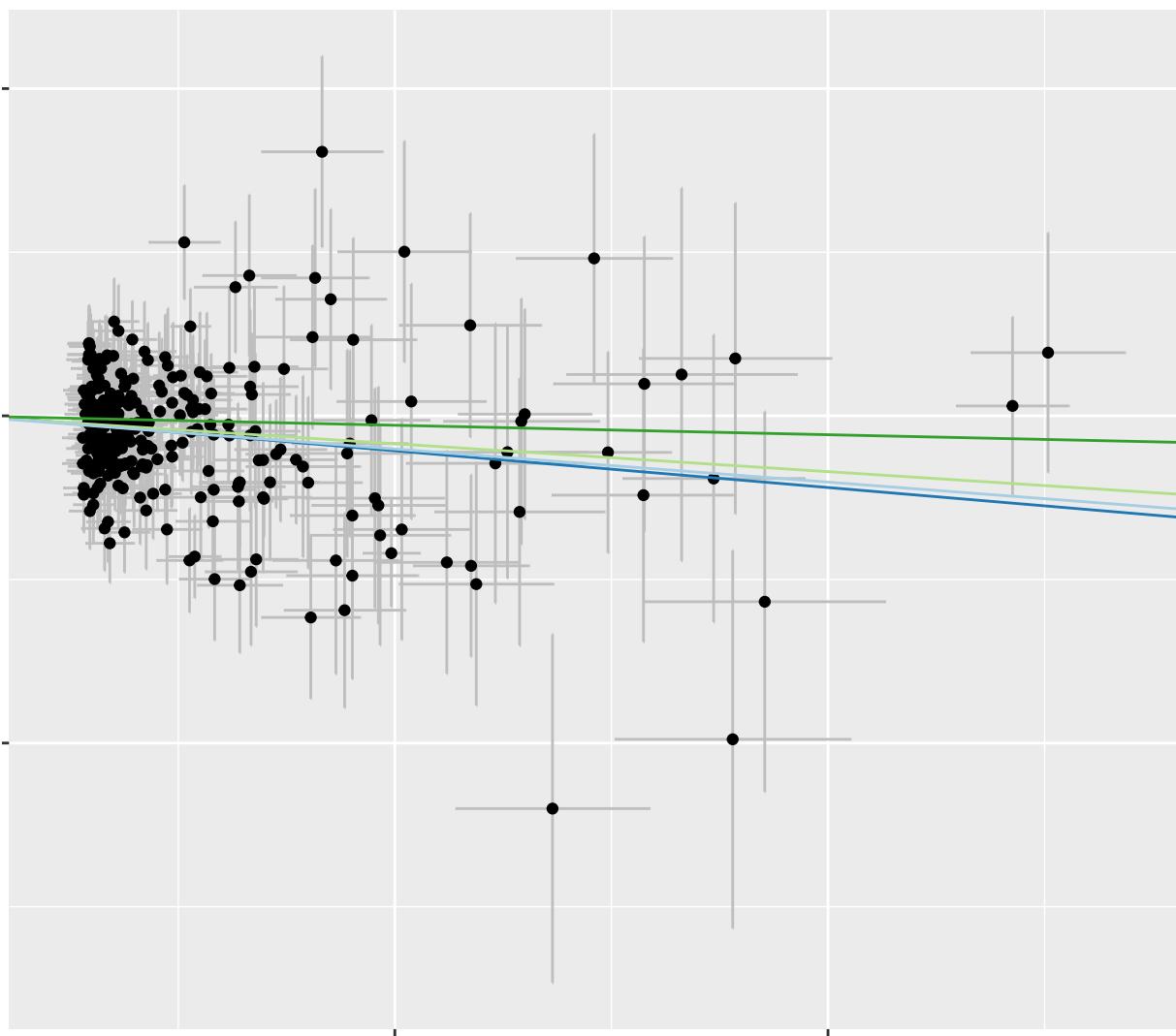
Weighted median



Weighted mode

SNP effect on Acetate\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)

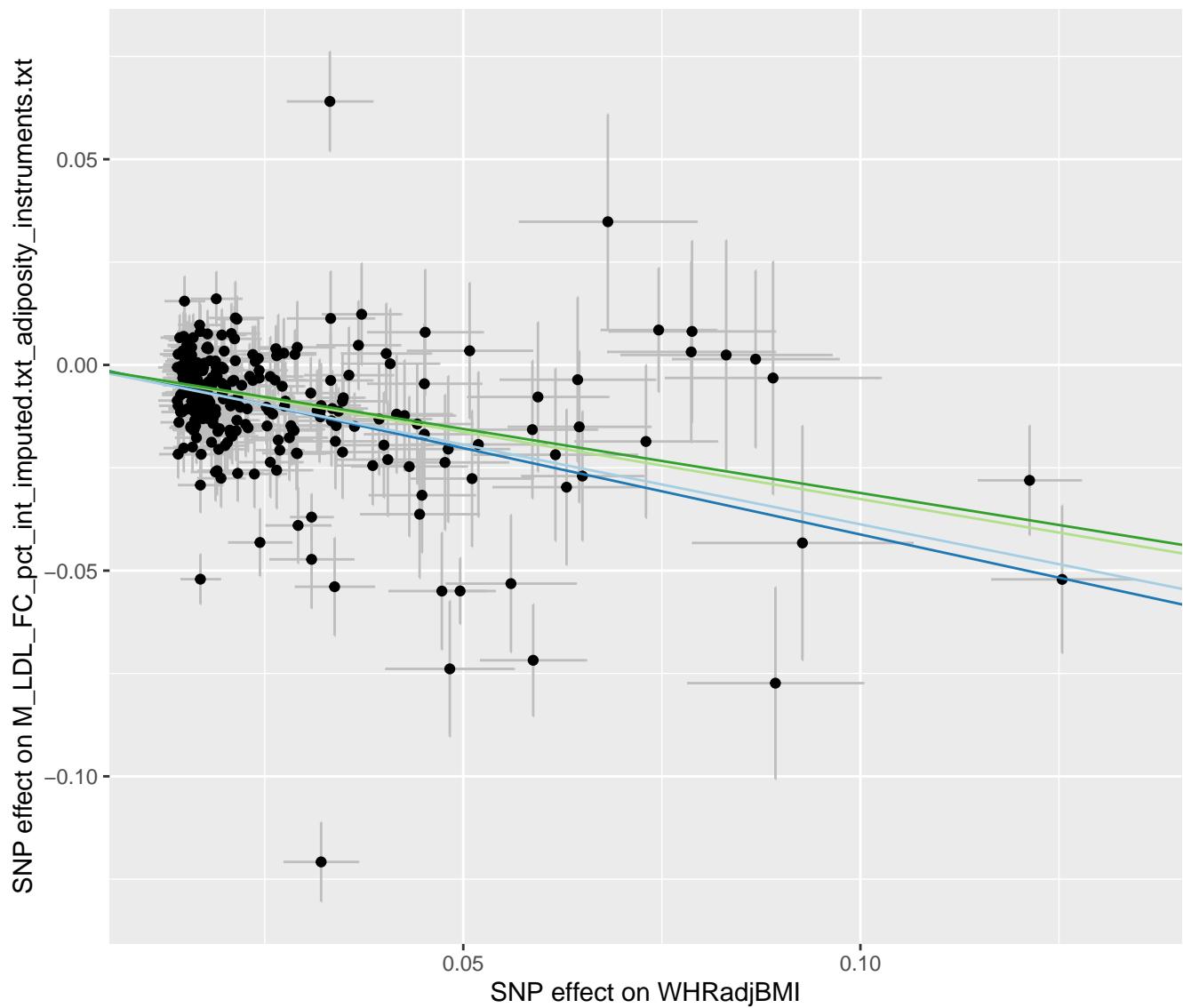
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



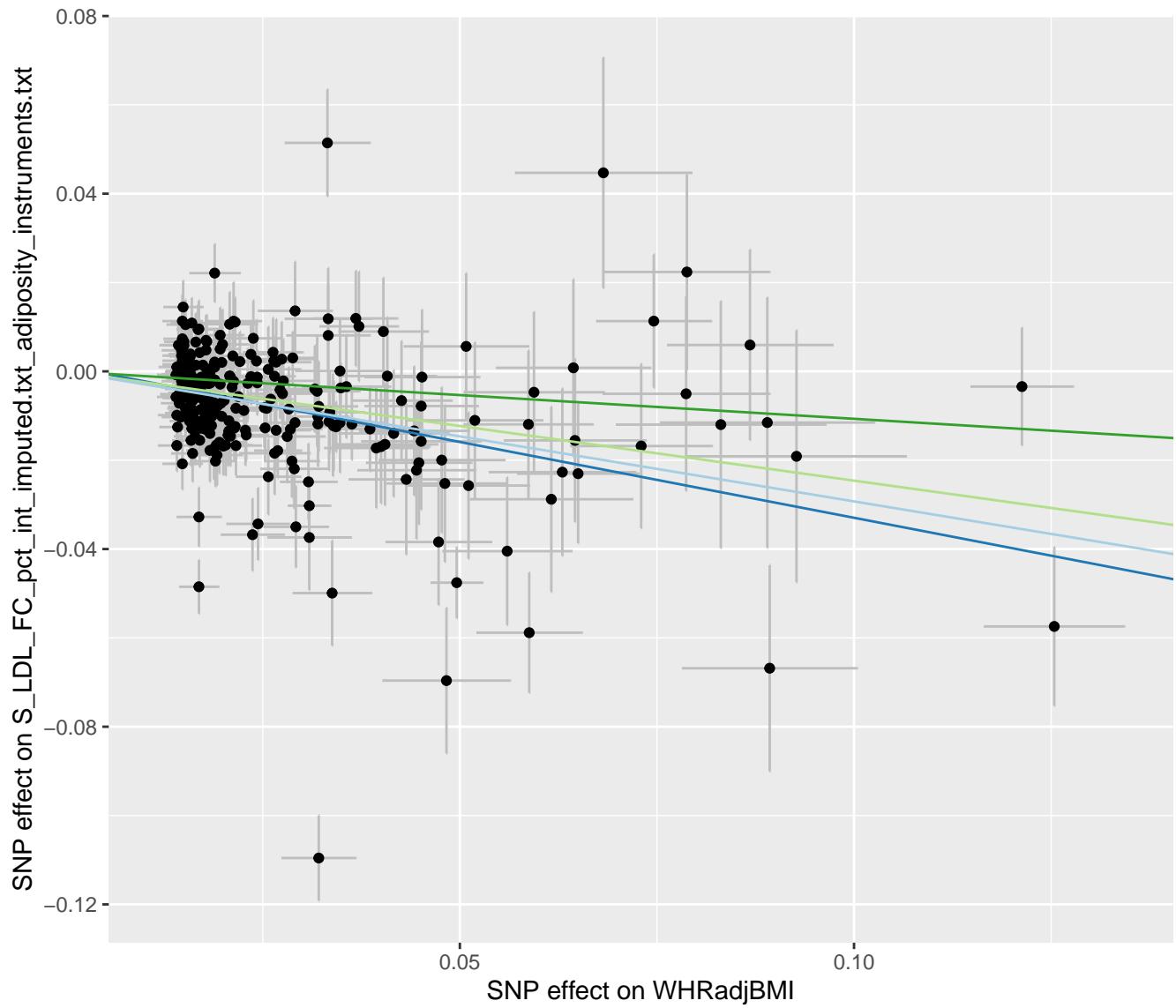
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



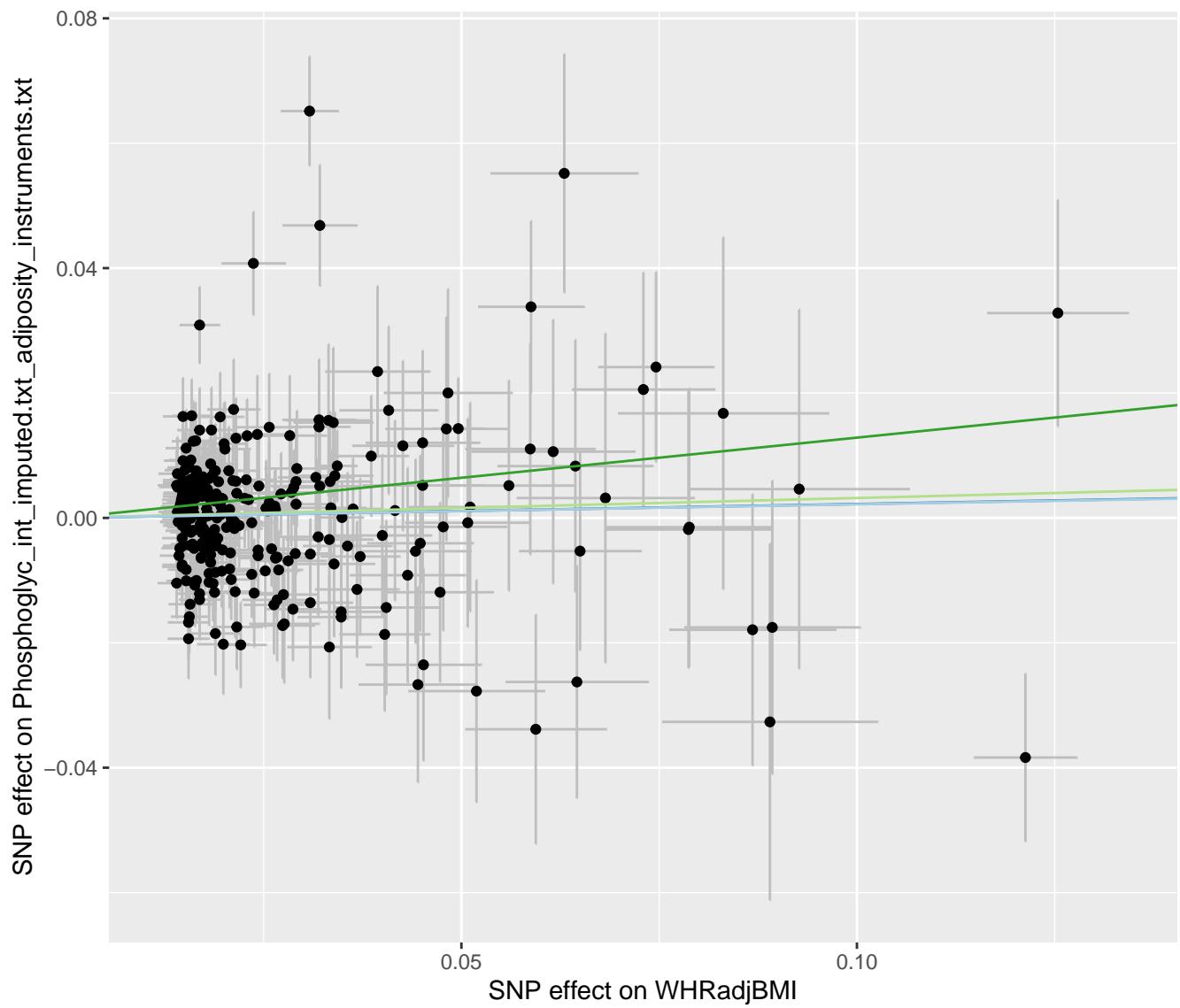
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



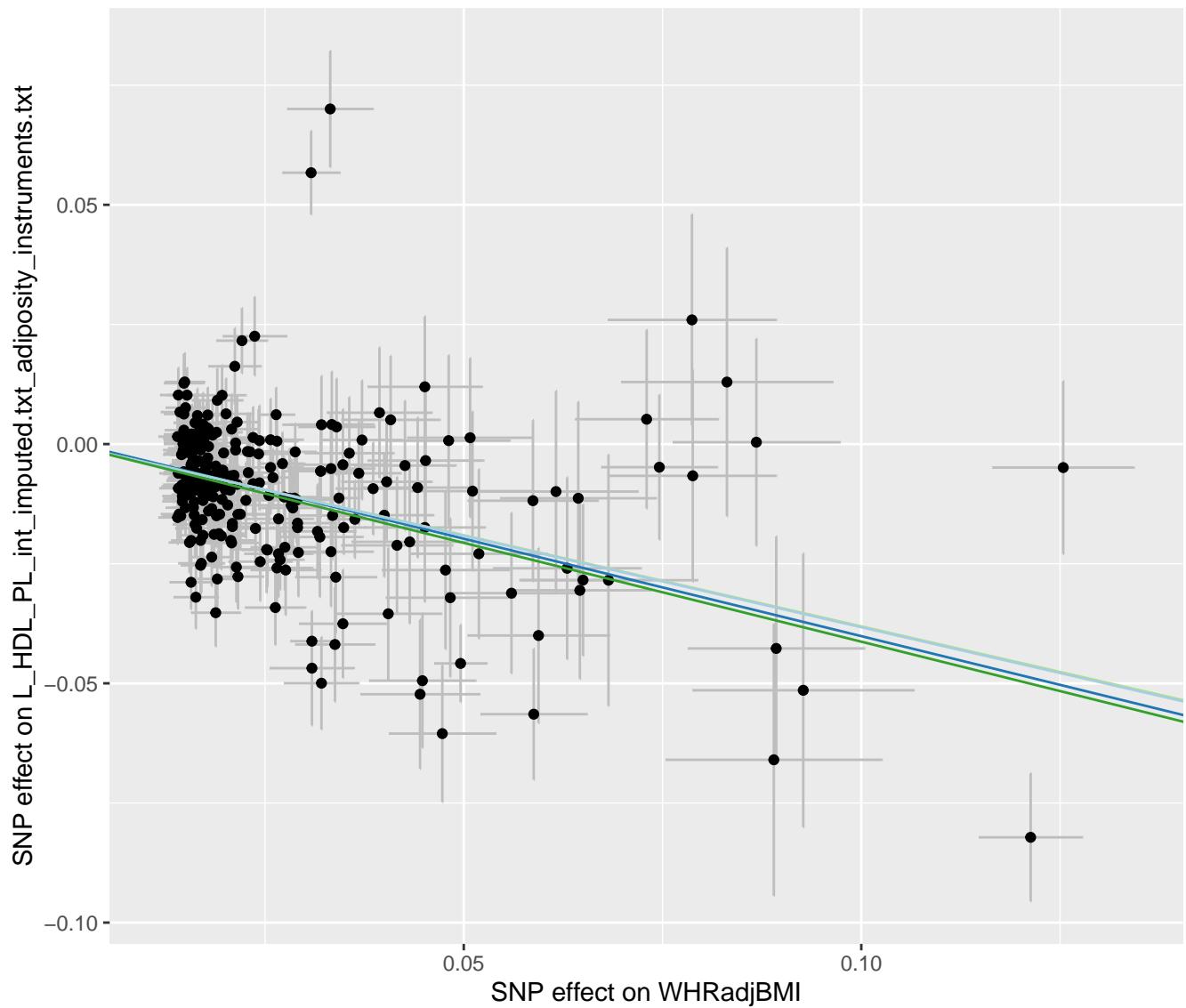
Weighted median



Weighted mode

SNP effect on L\_HDL\_PL\_int\_imputed\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



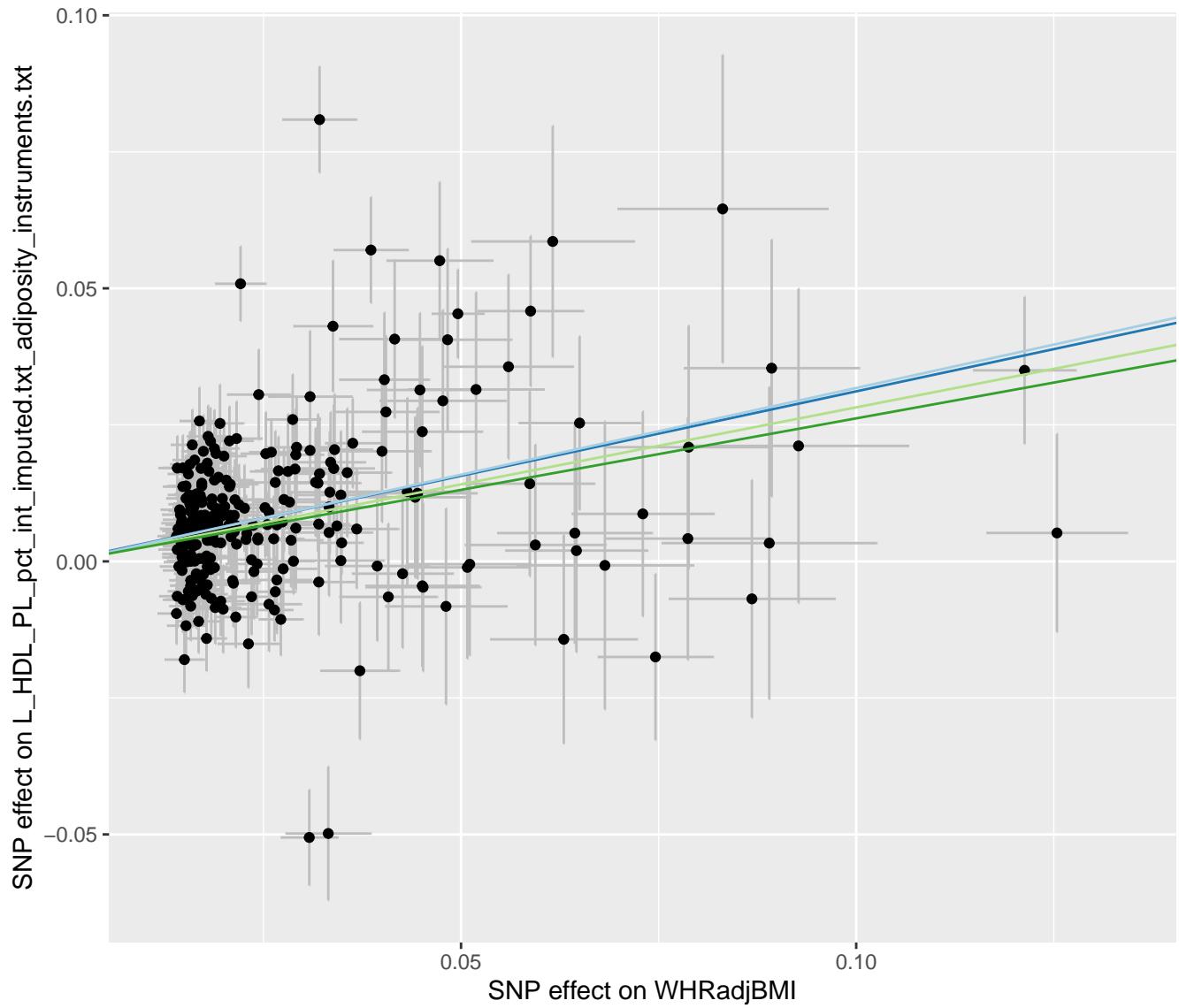
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



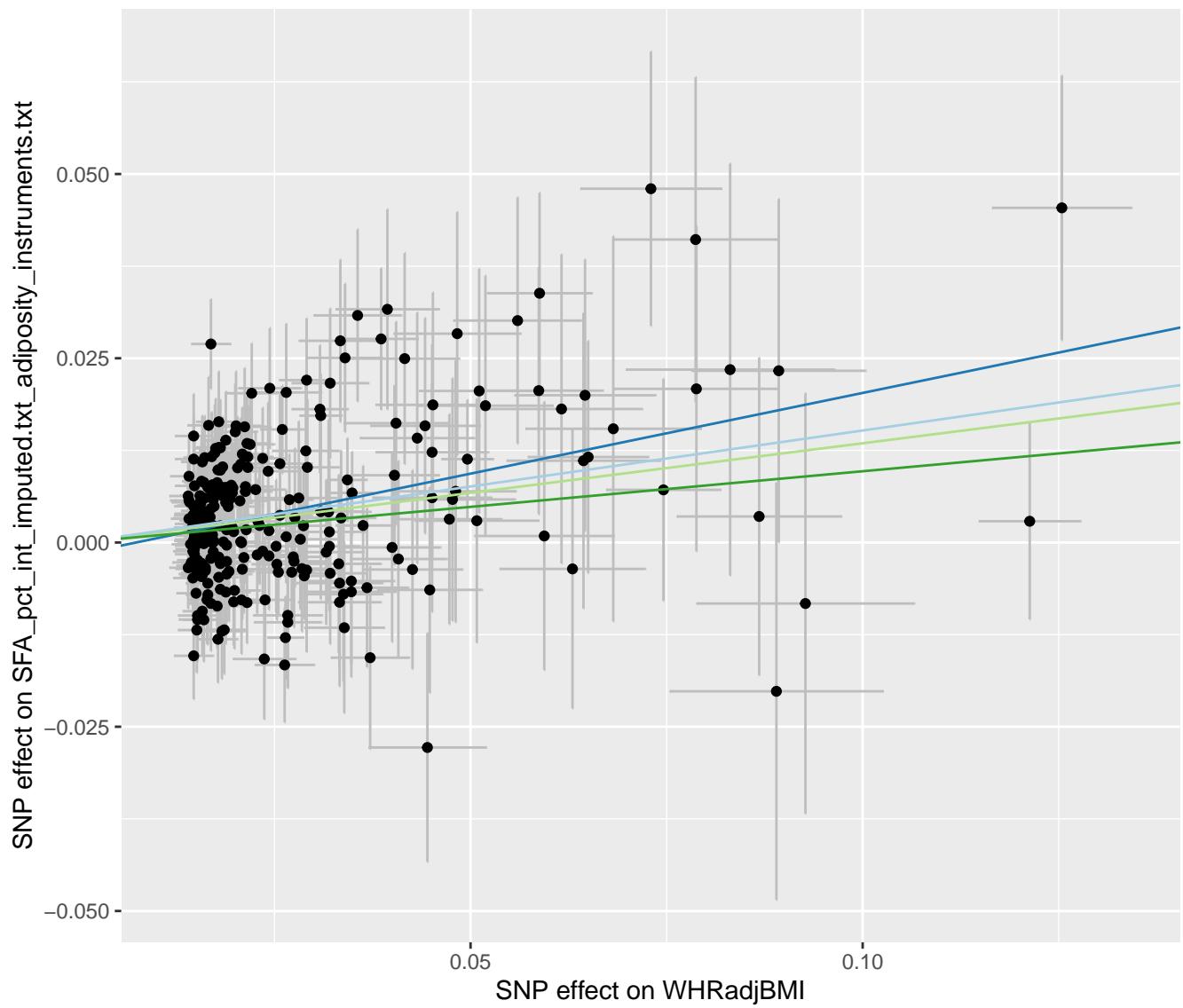
MR Egger



Weighted median



Weighted mode



MR Test

A blue line that slopes upwards from left to right, positioned in the bottom right corner of the page.

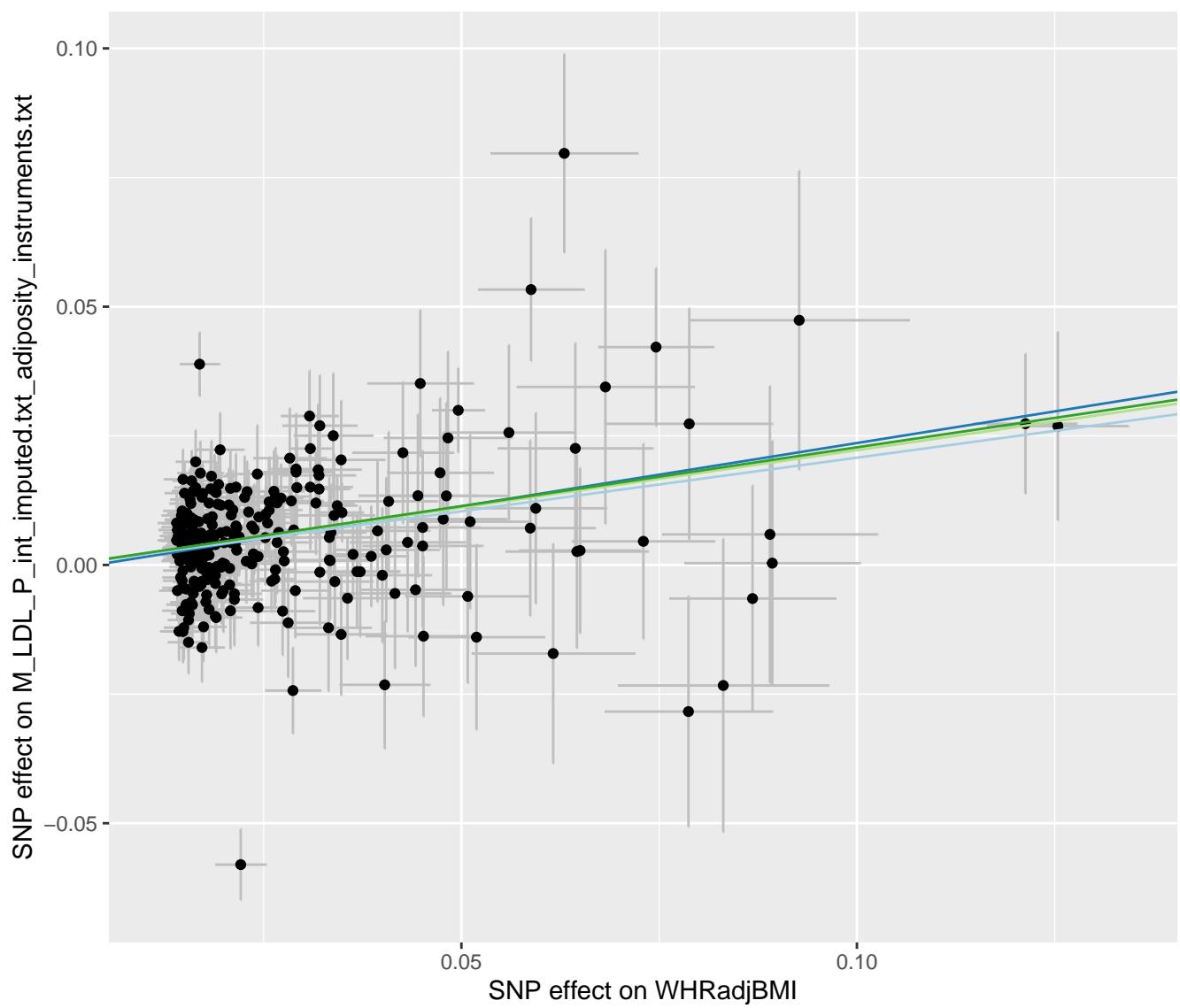
### Inverse variance weighted (multiplicative random effects)

MR Egger

100

## Weighted median

## Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



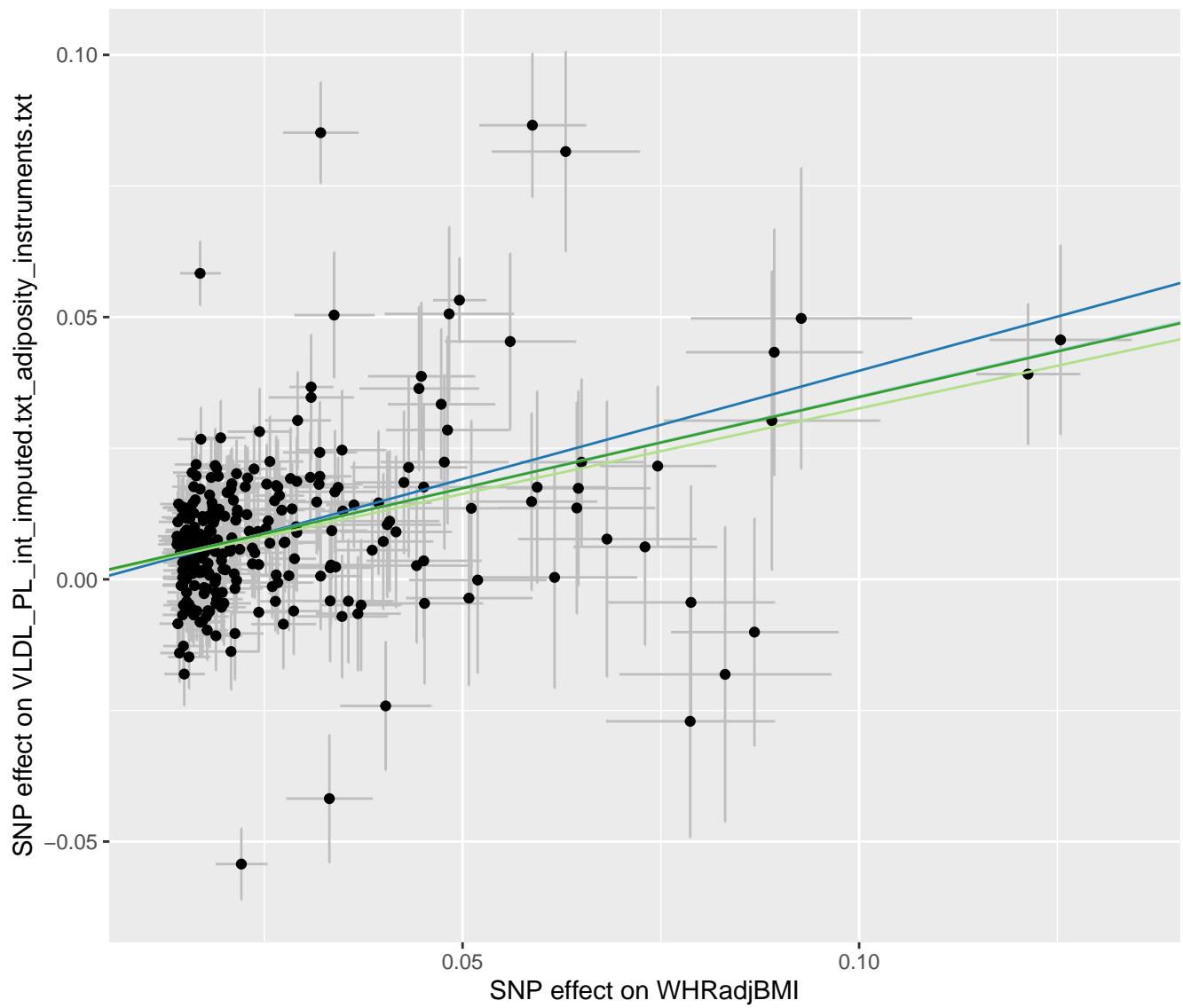
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



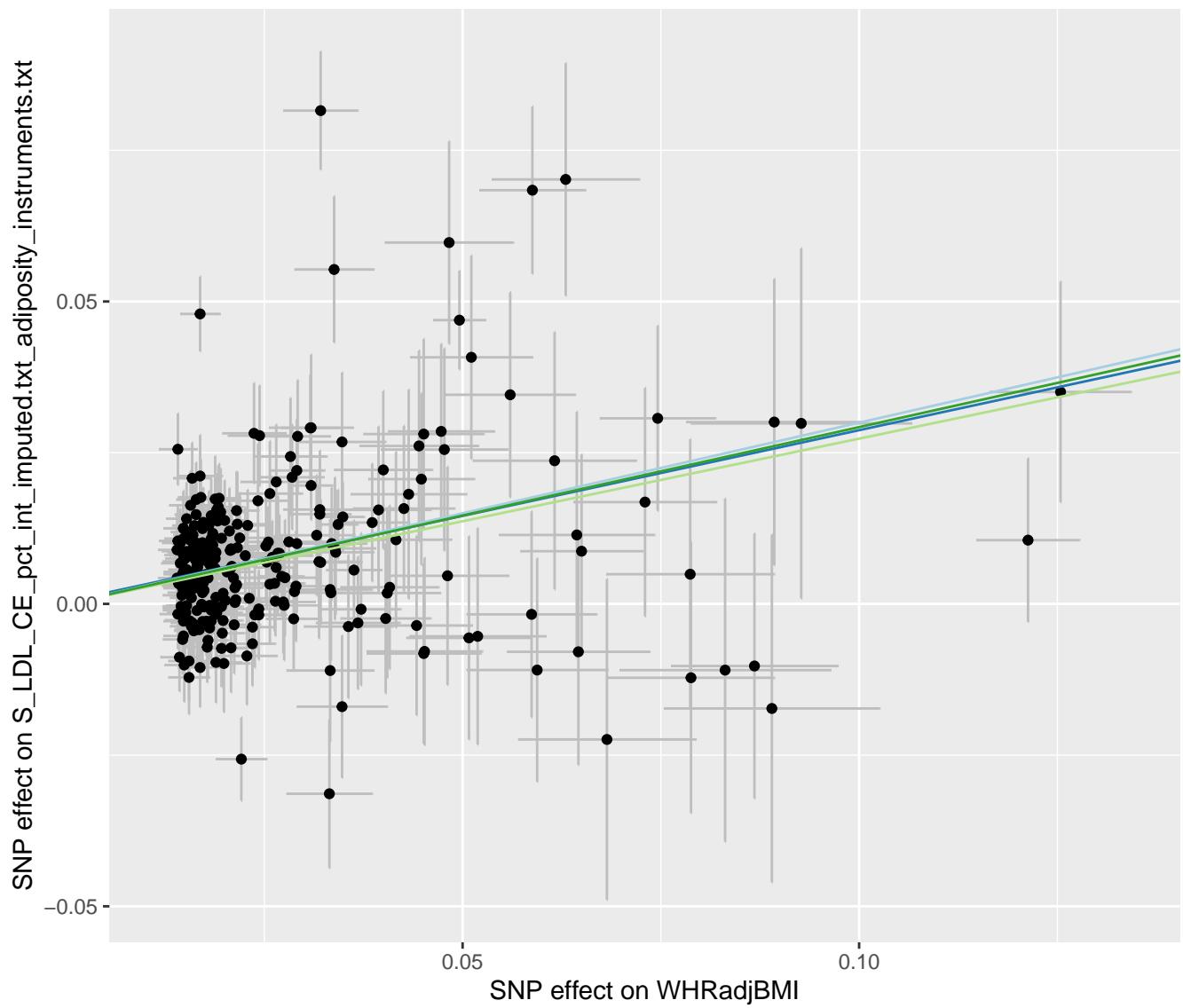
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



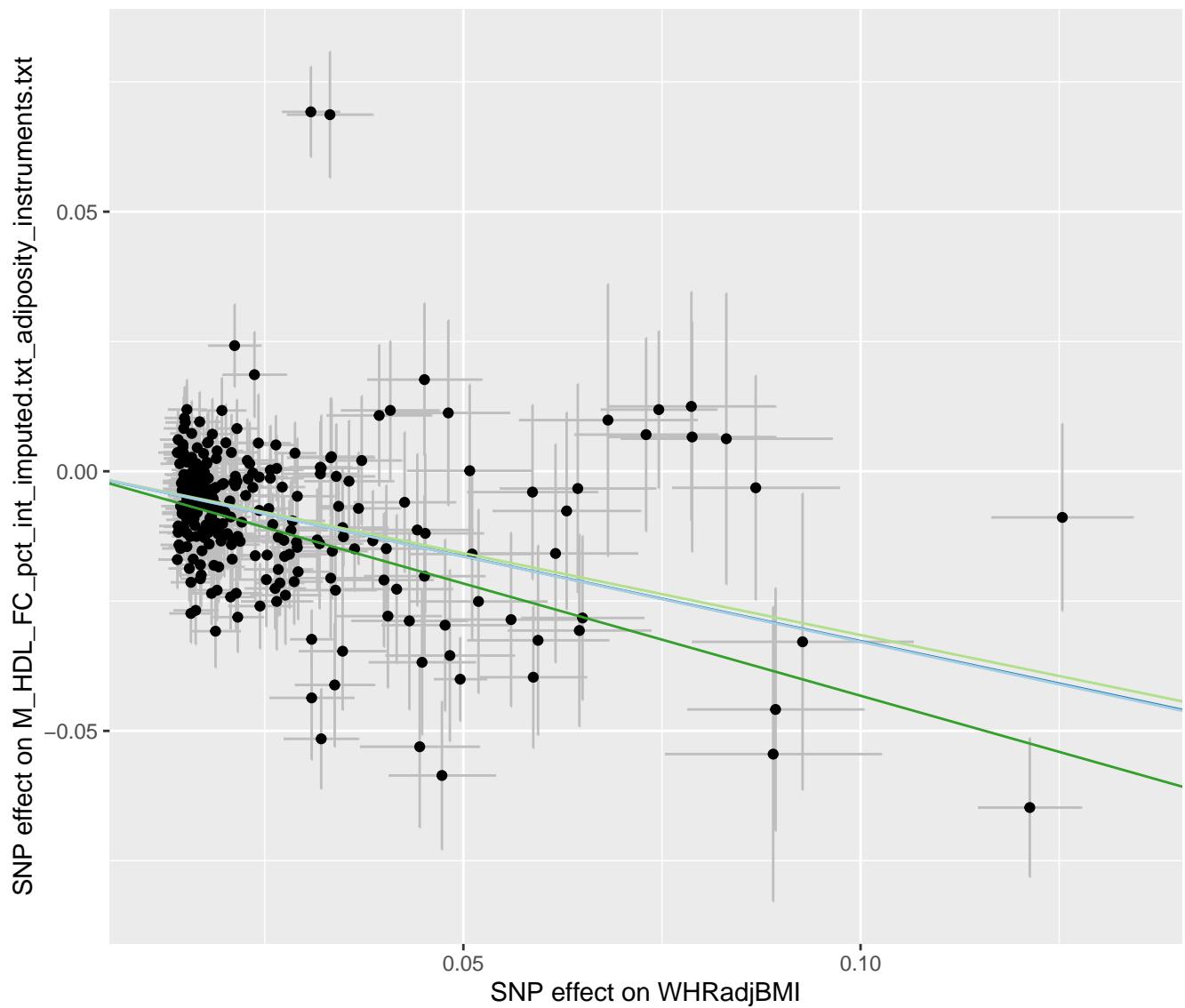
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



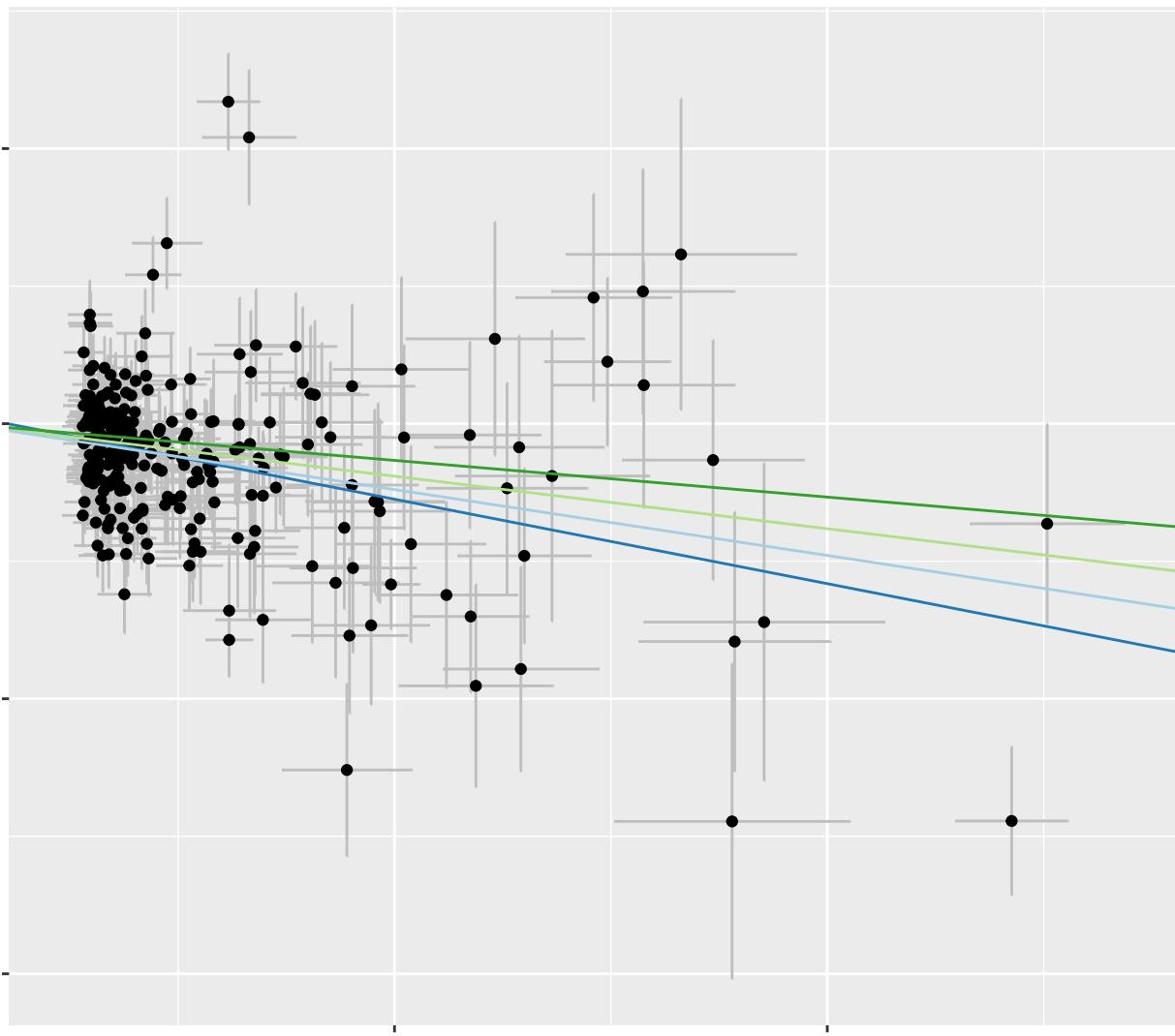
Weighted median



Weighted mode

SNP effect on M\_HDL\_C\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



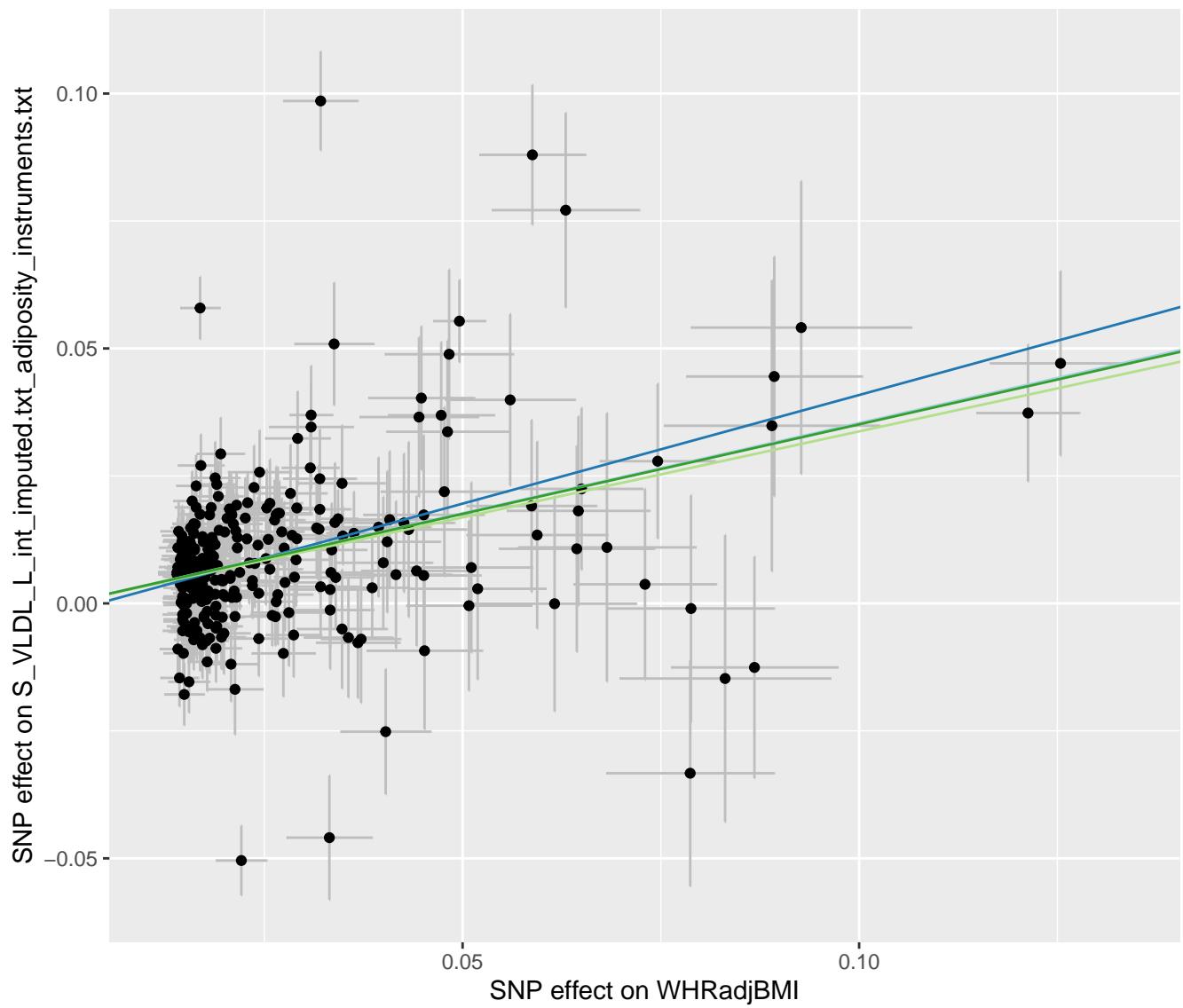
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



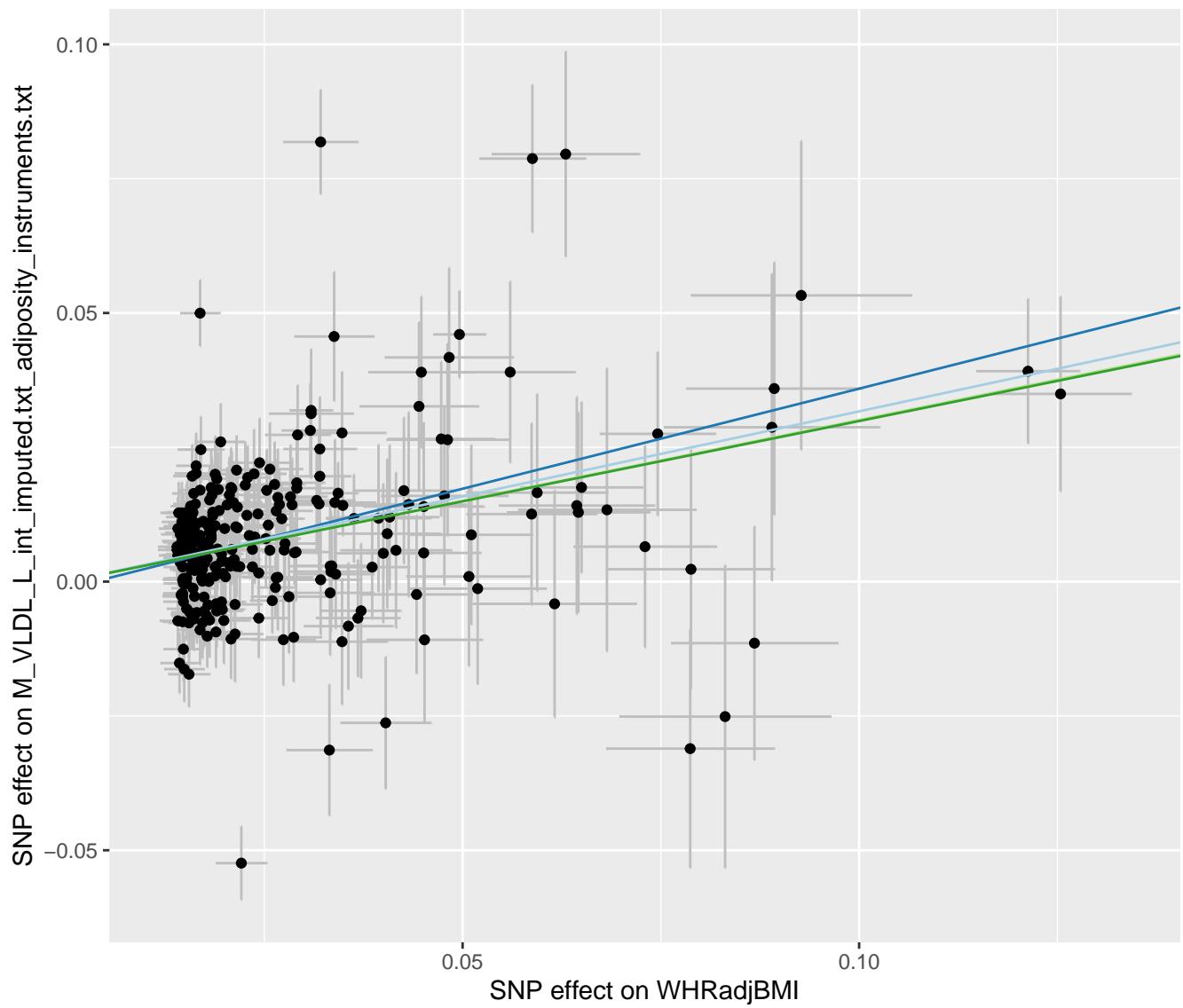
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

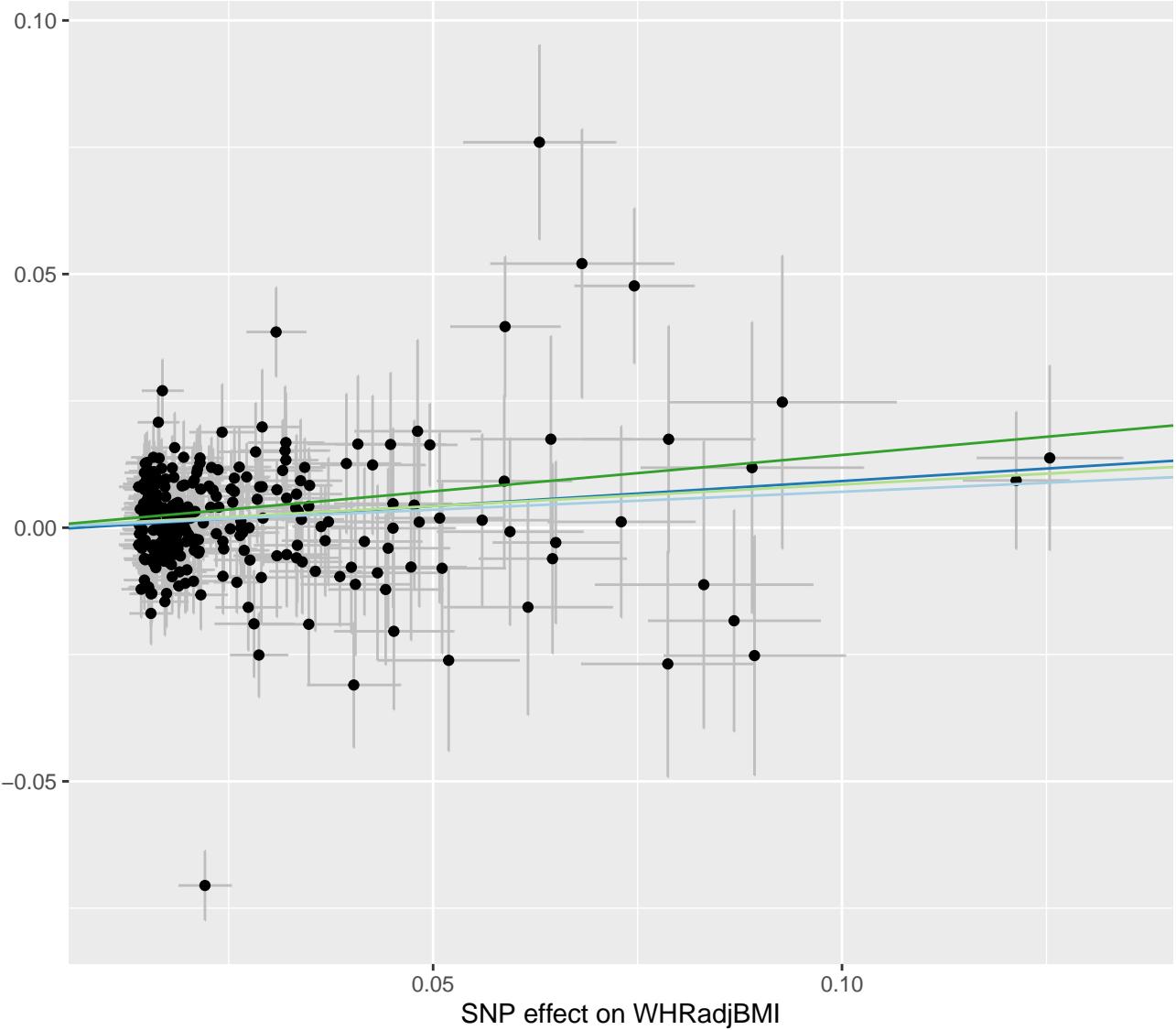


Weighted median



Weighted mode

SNP effect on L\_LDI\_L\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

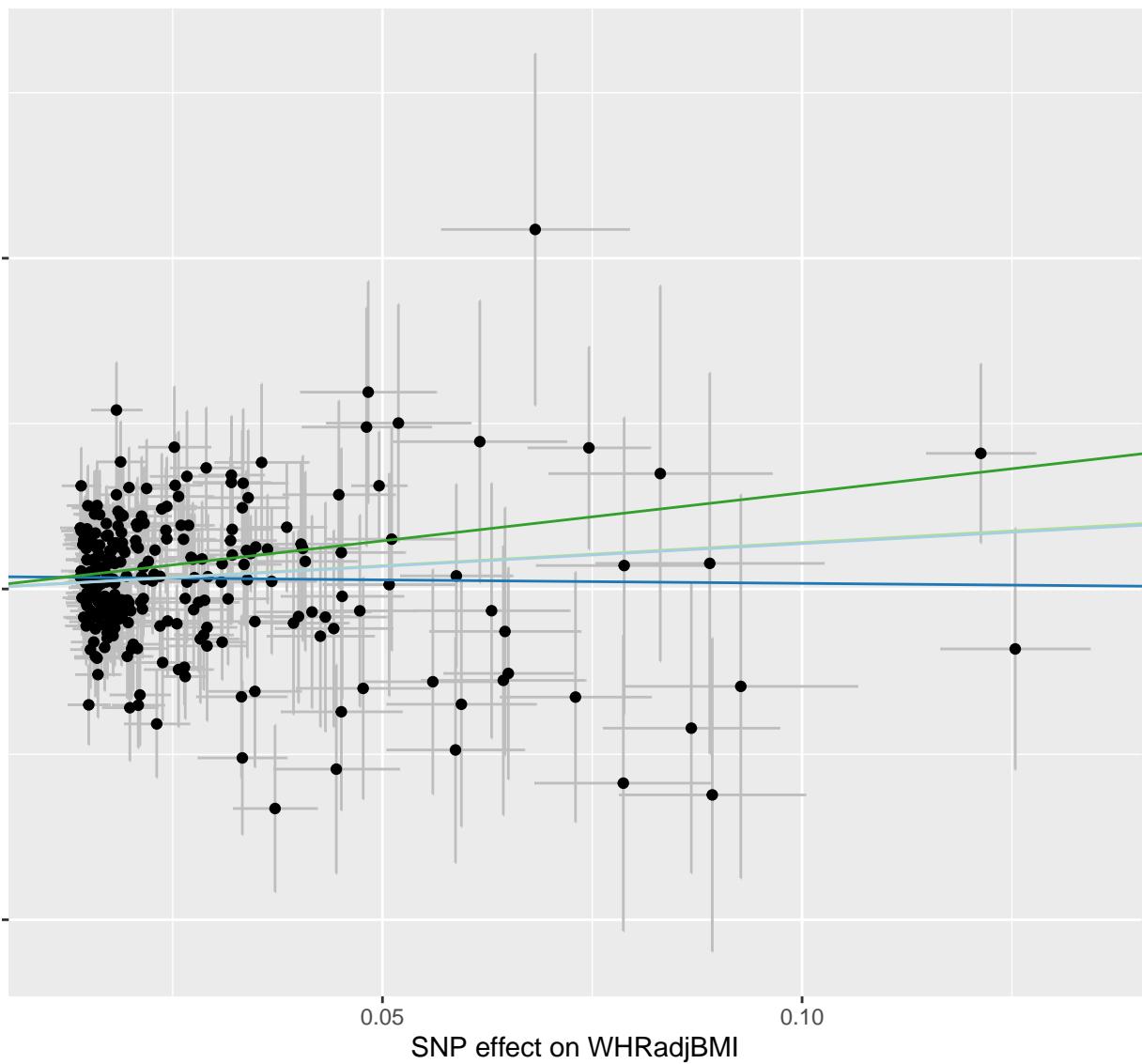


Weighted median



Weighted mode

SNP effect on Lactate\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

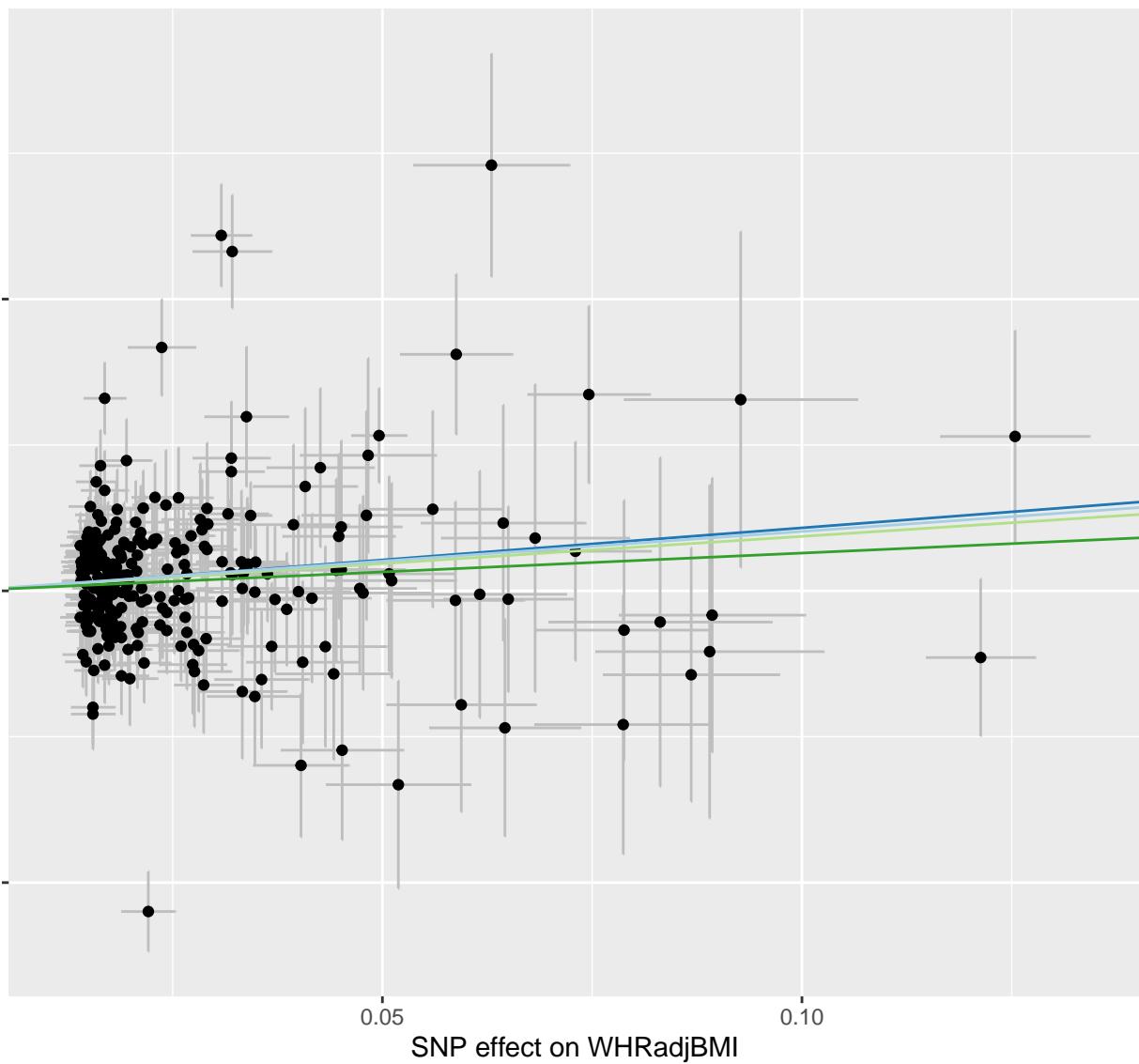


Weighted median



Weighted mode

SNP effect on Omega\_6\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



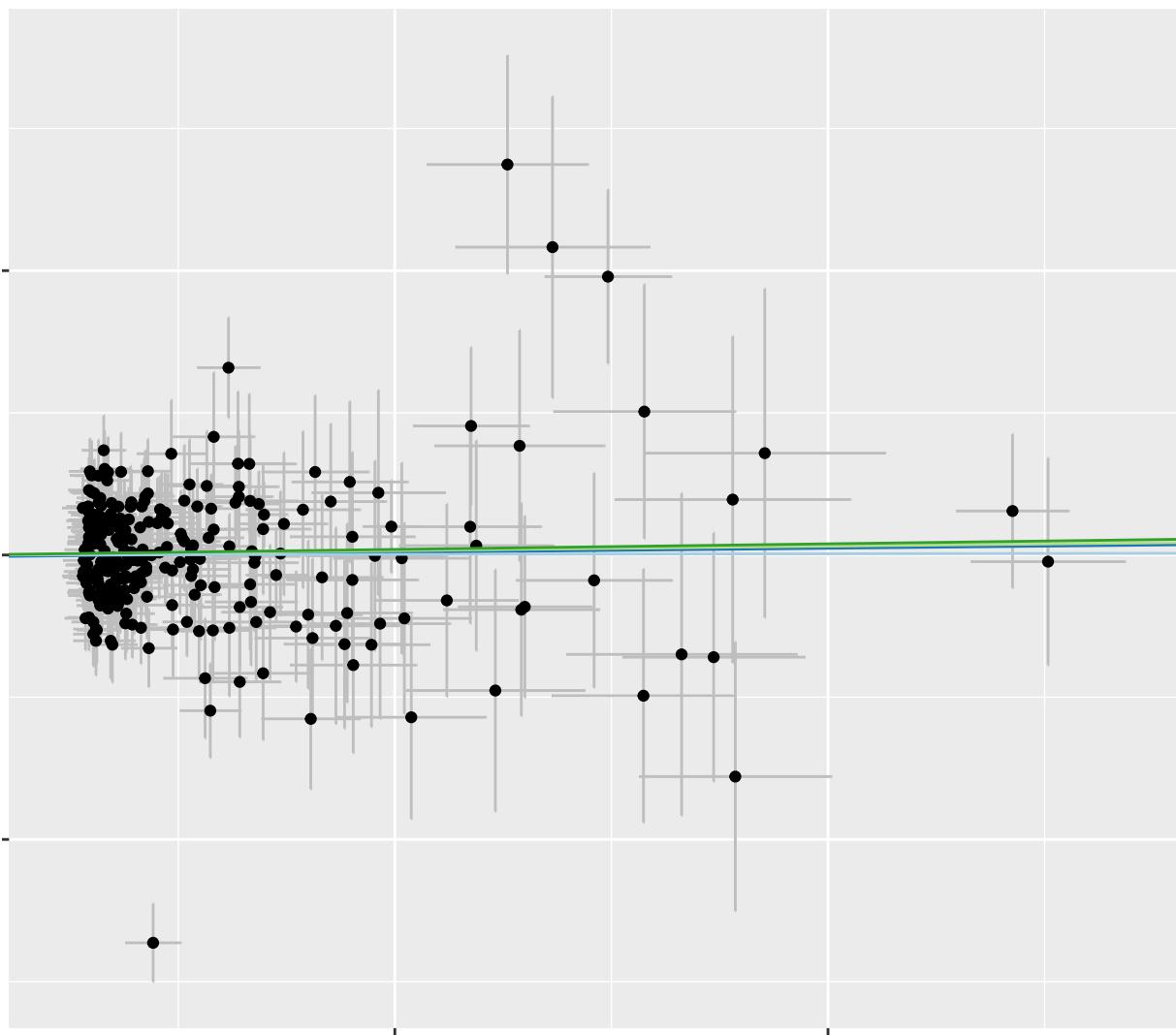
Weighted median



Weighted mode

SNP effect on LDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



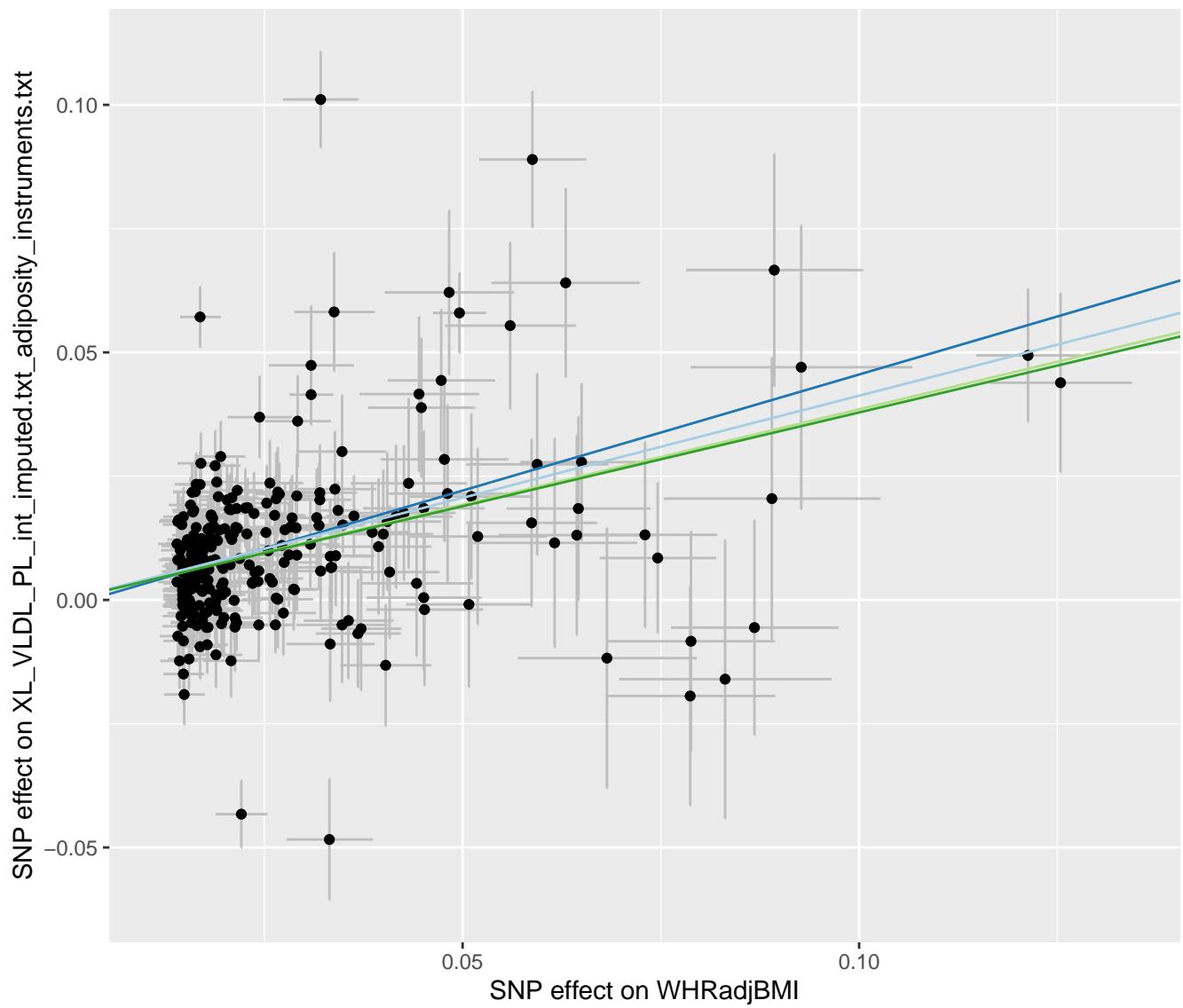
MR Egger



Weighted median



Weighted mode



MR Test

A blue line that slopes upwards from left to right.

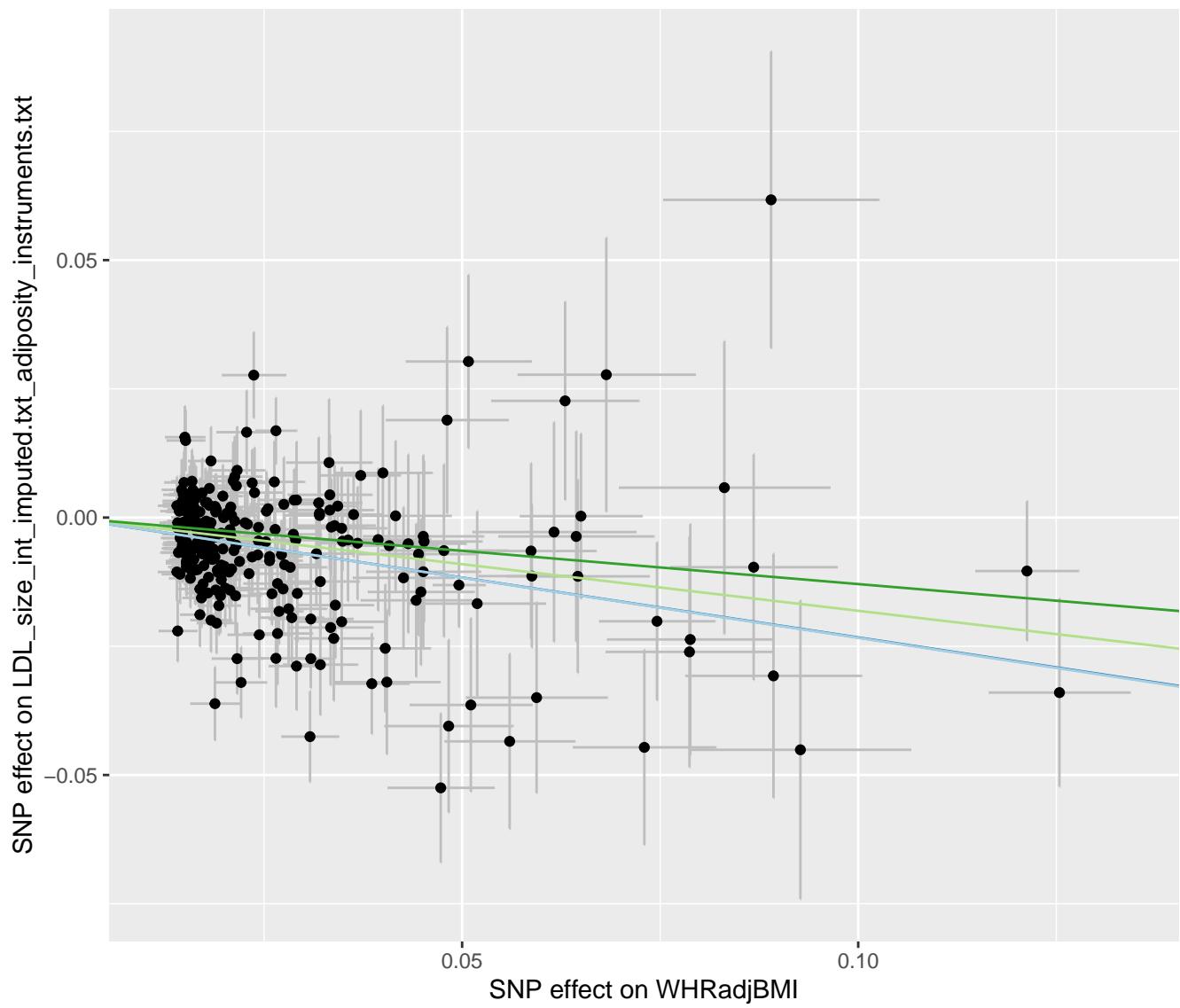
Inverse variance weighted (multiplicative random effects)

MR Egger

100

## Weighted median

## Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger



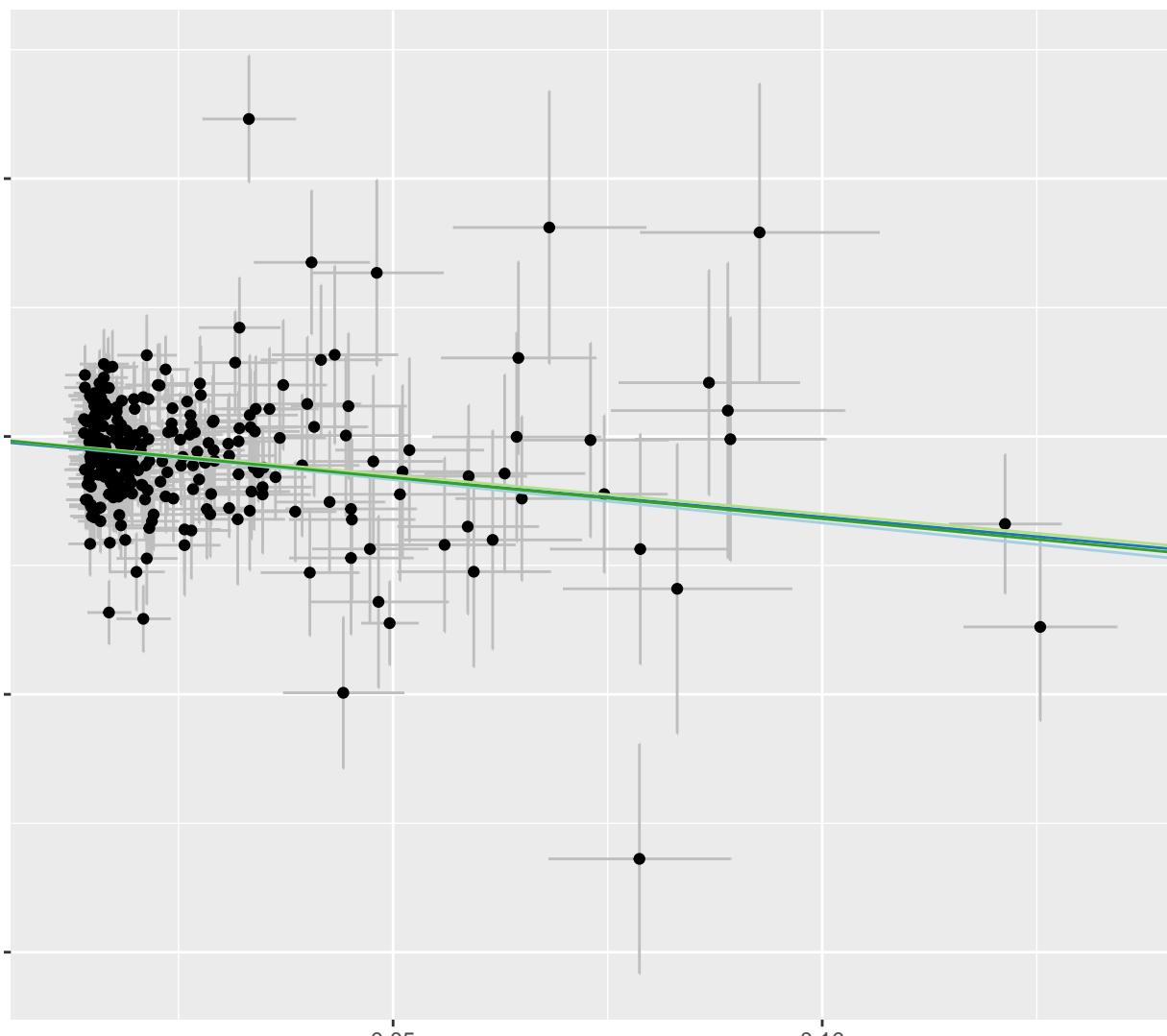
Weighted median



Weighted mode

SNP effect on Gly\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



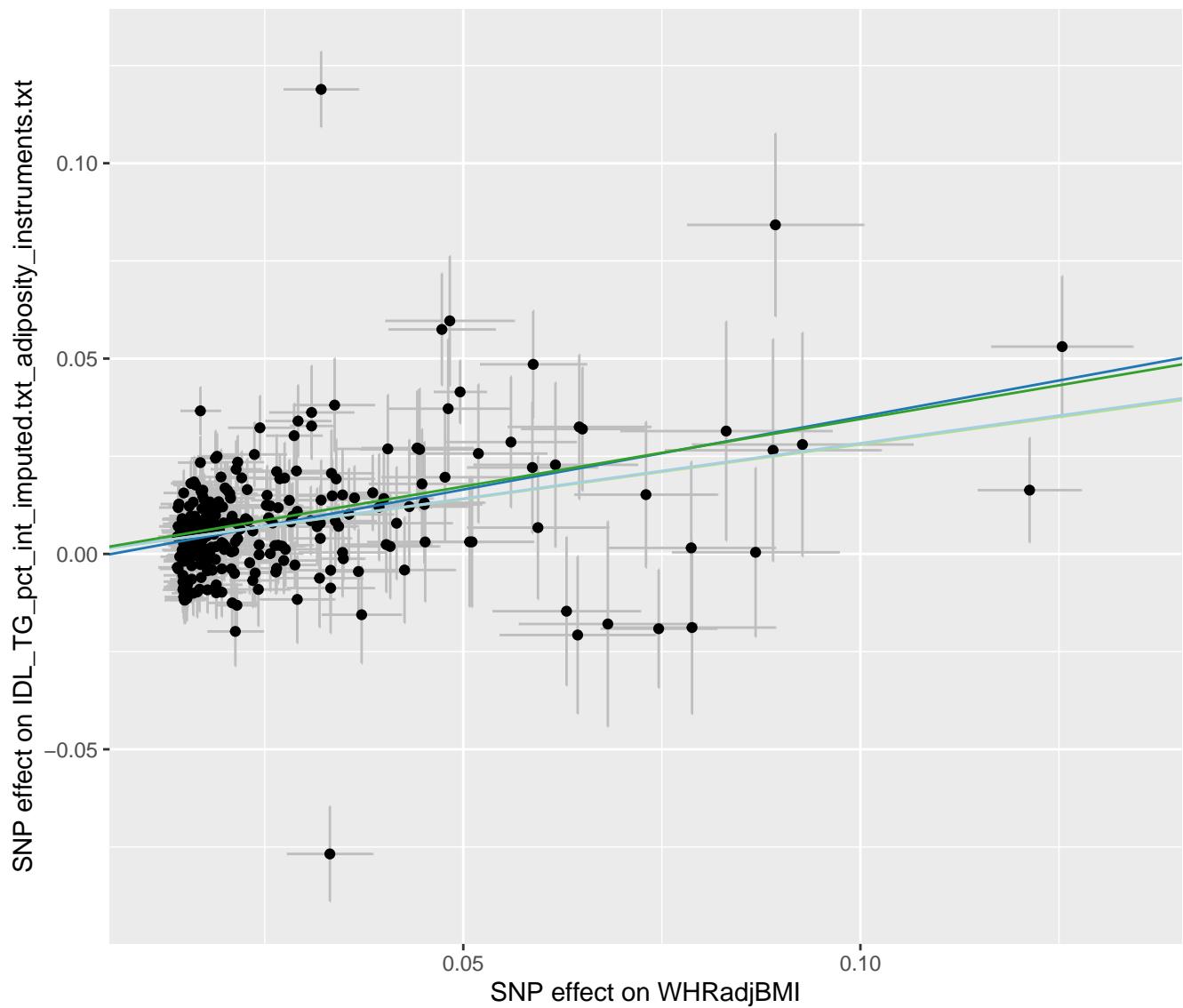
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



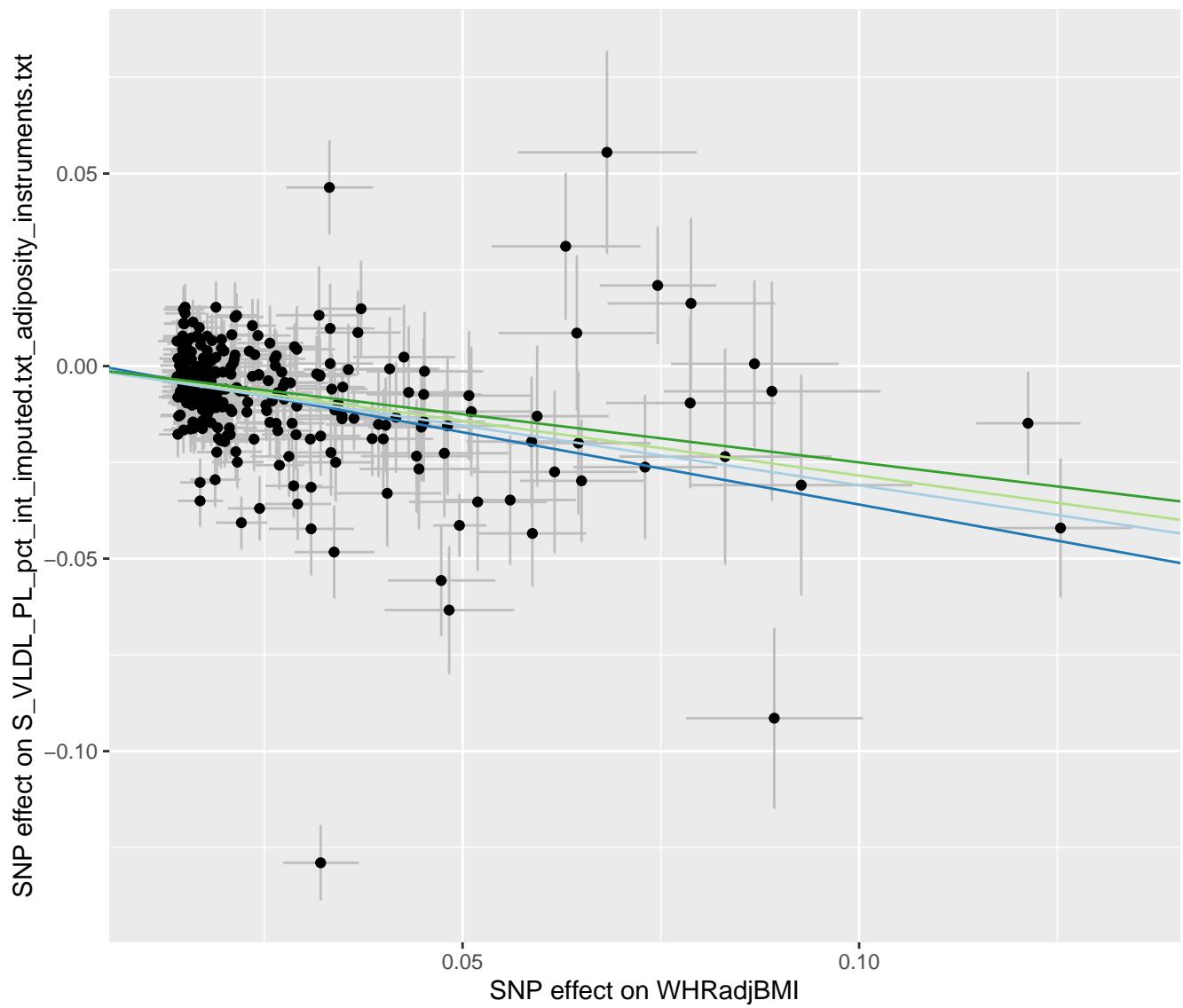
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



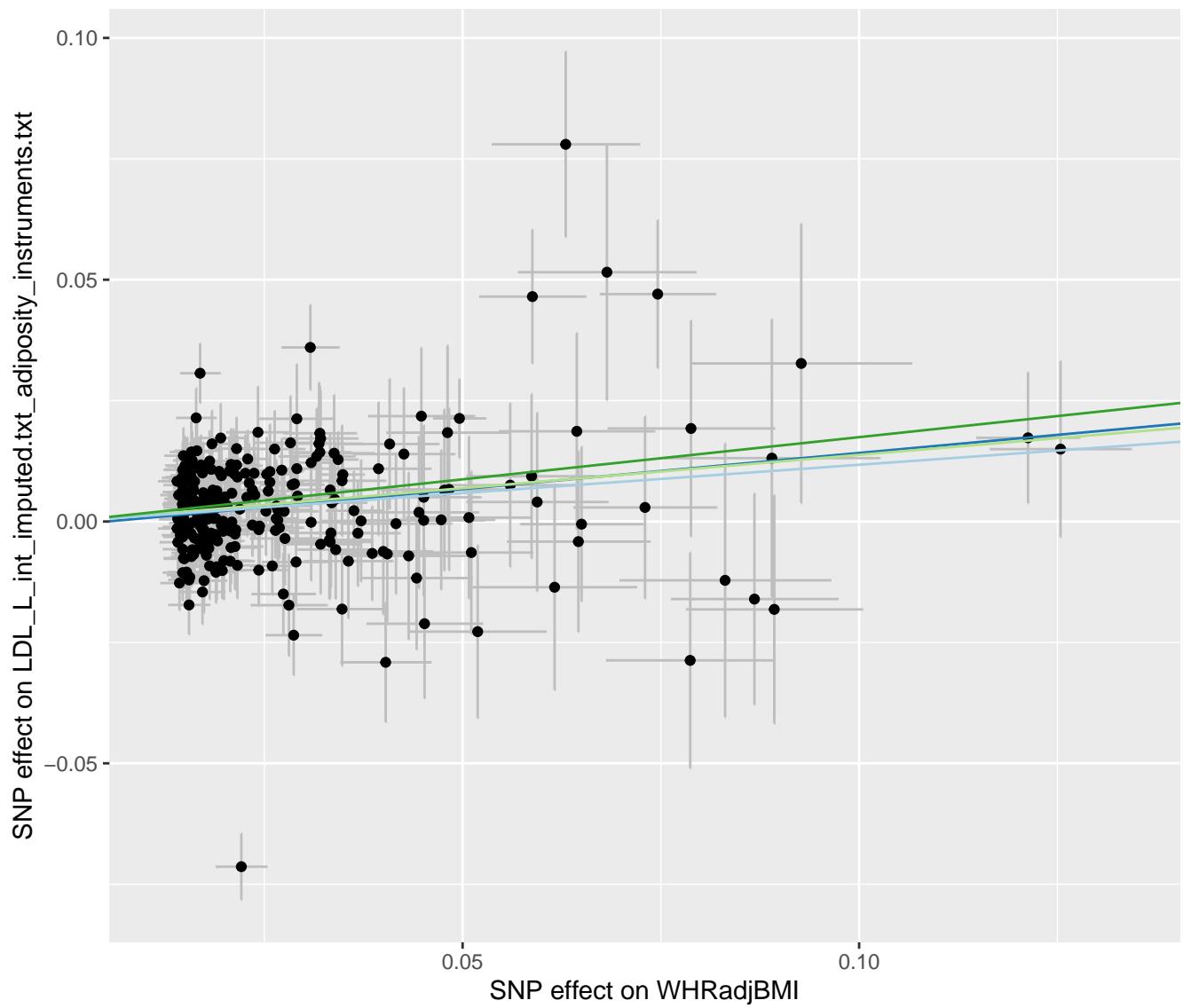
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



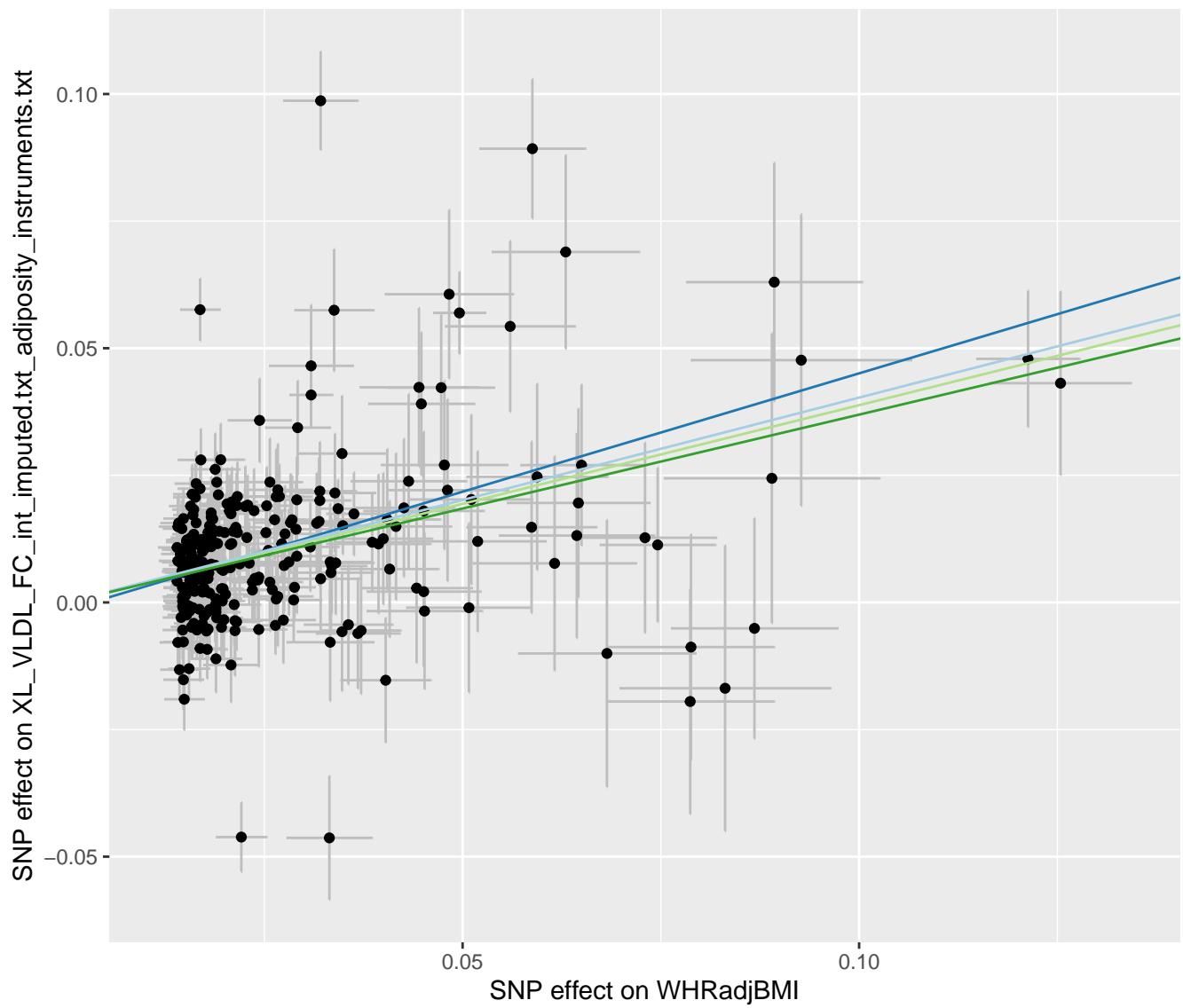
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



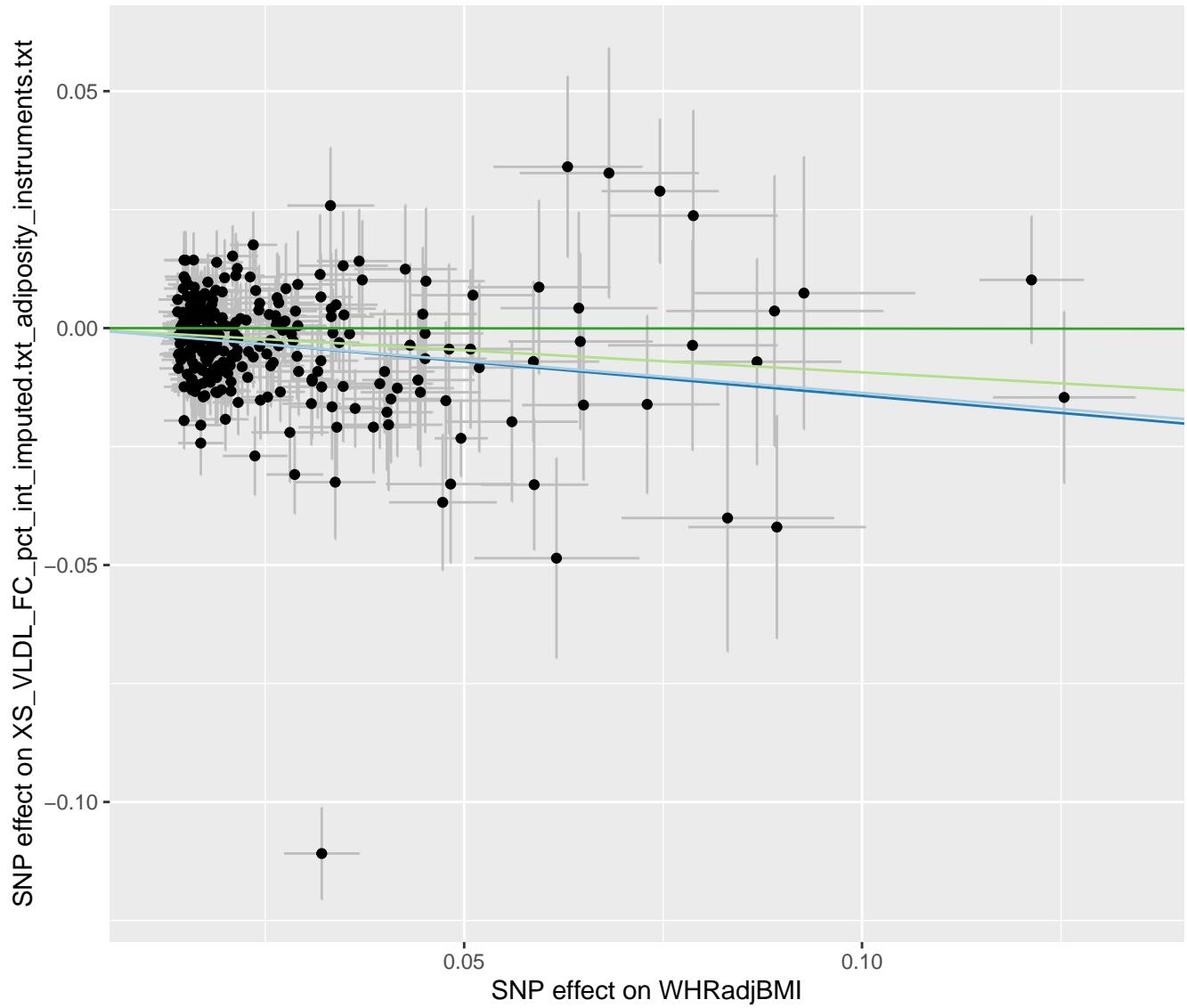
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



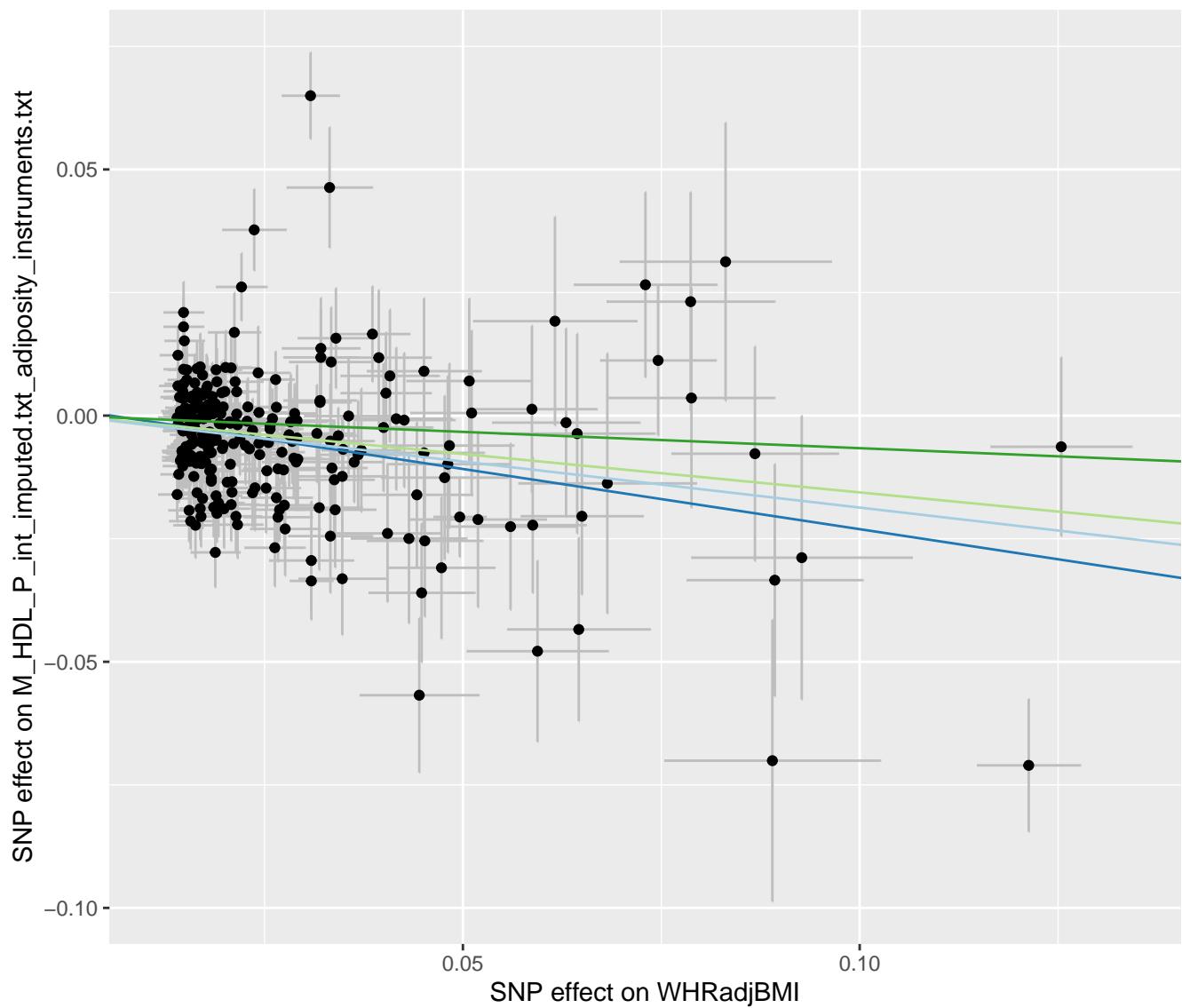
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



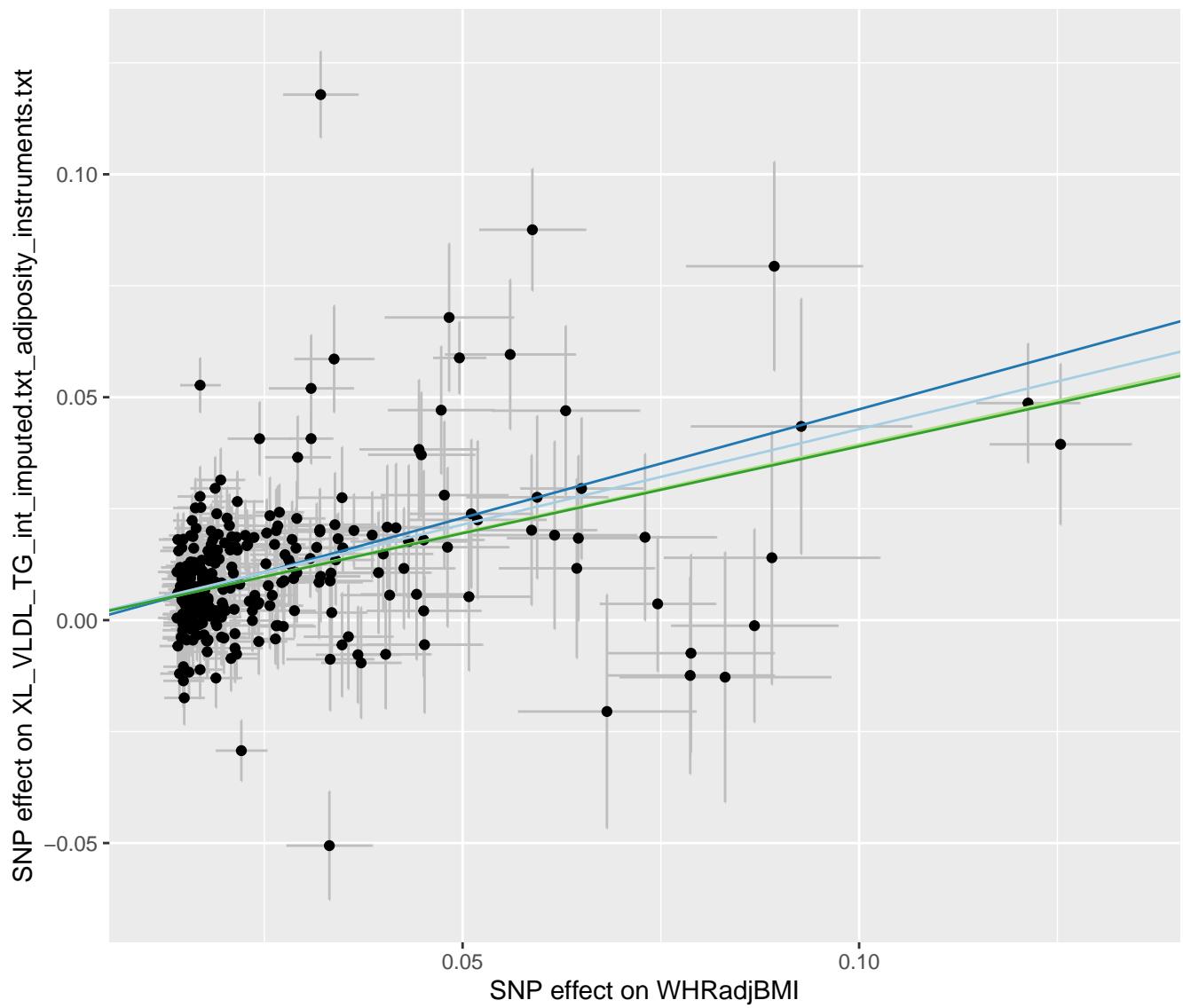
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



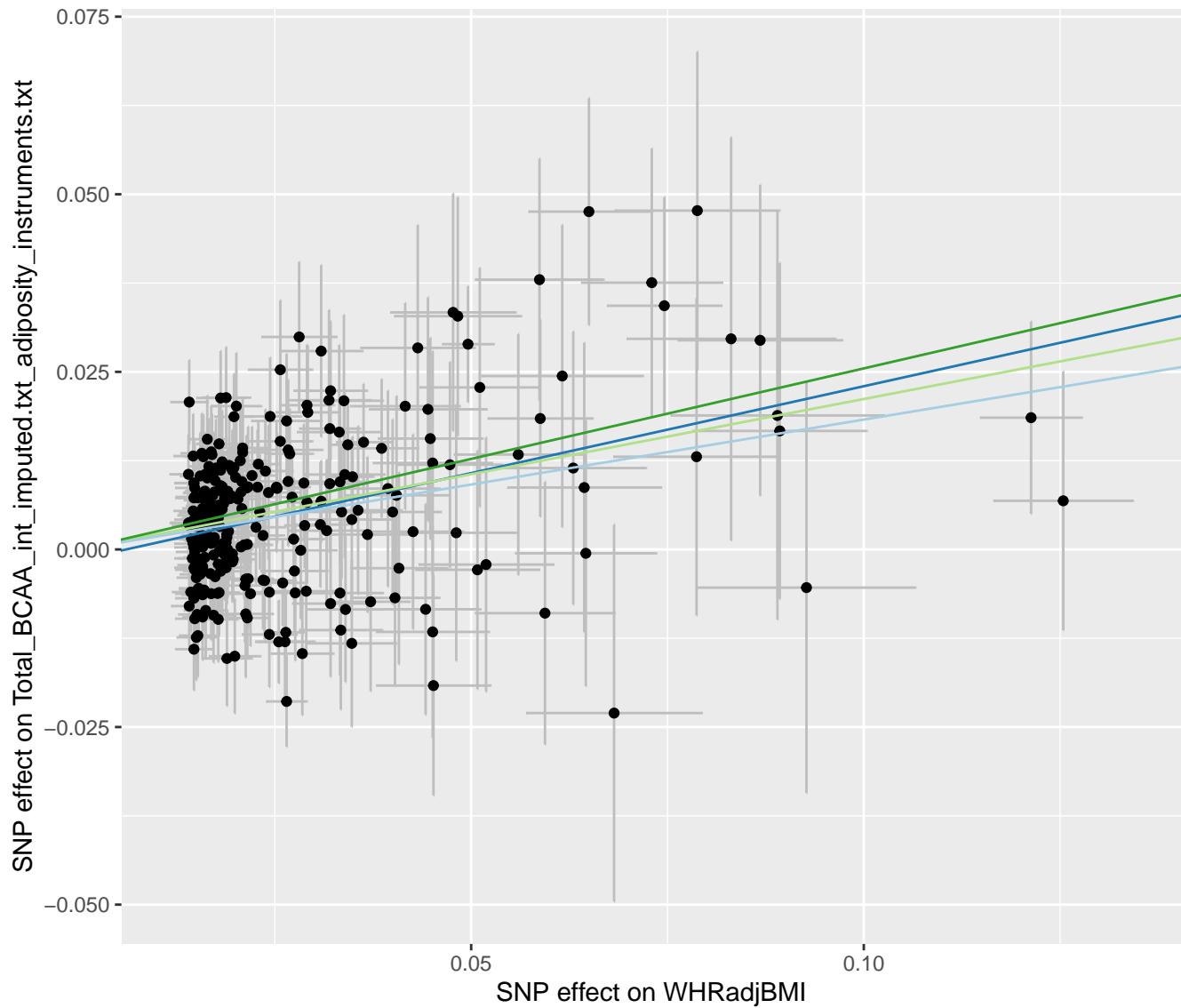
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



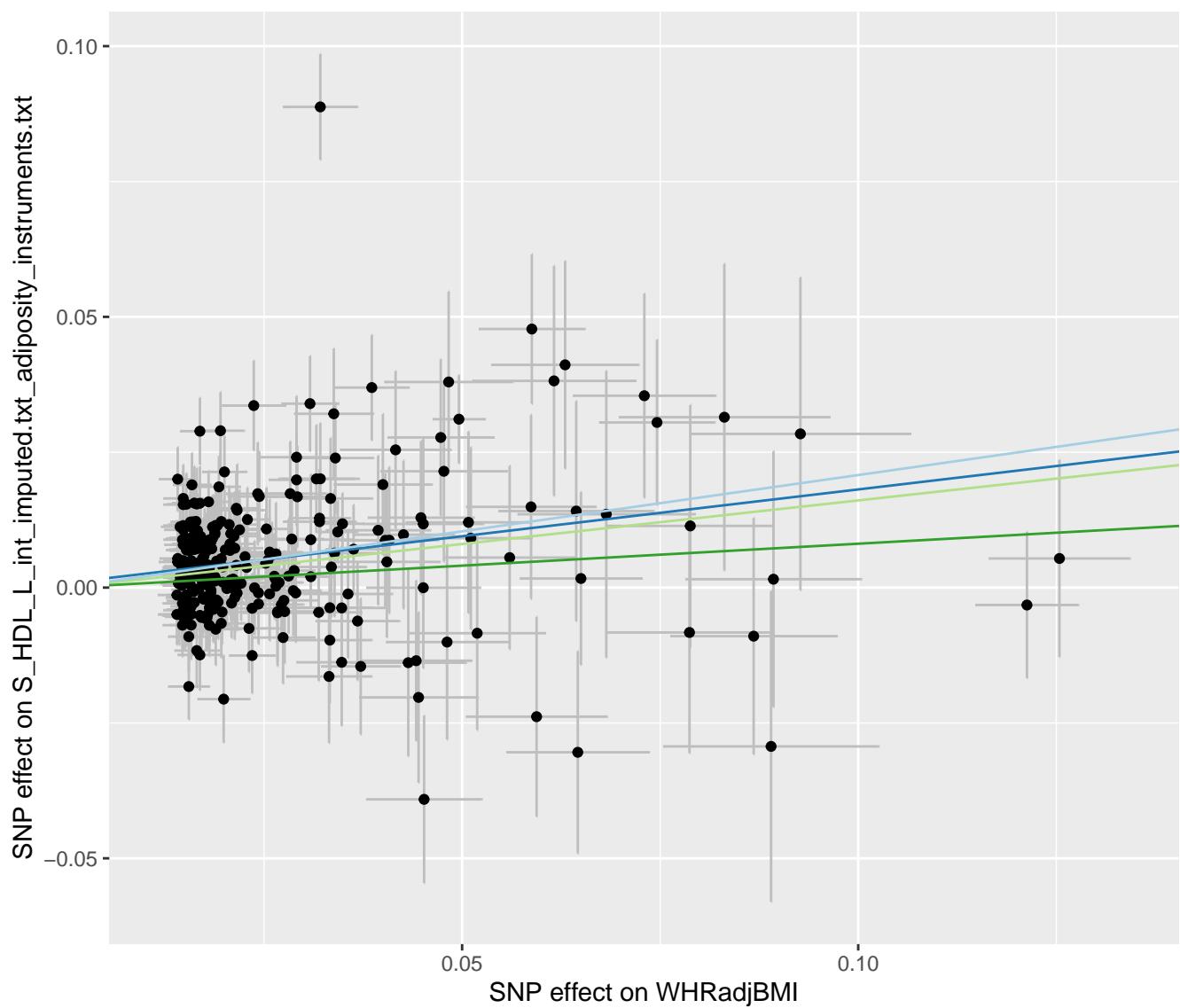
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



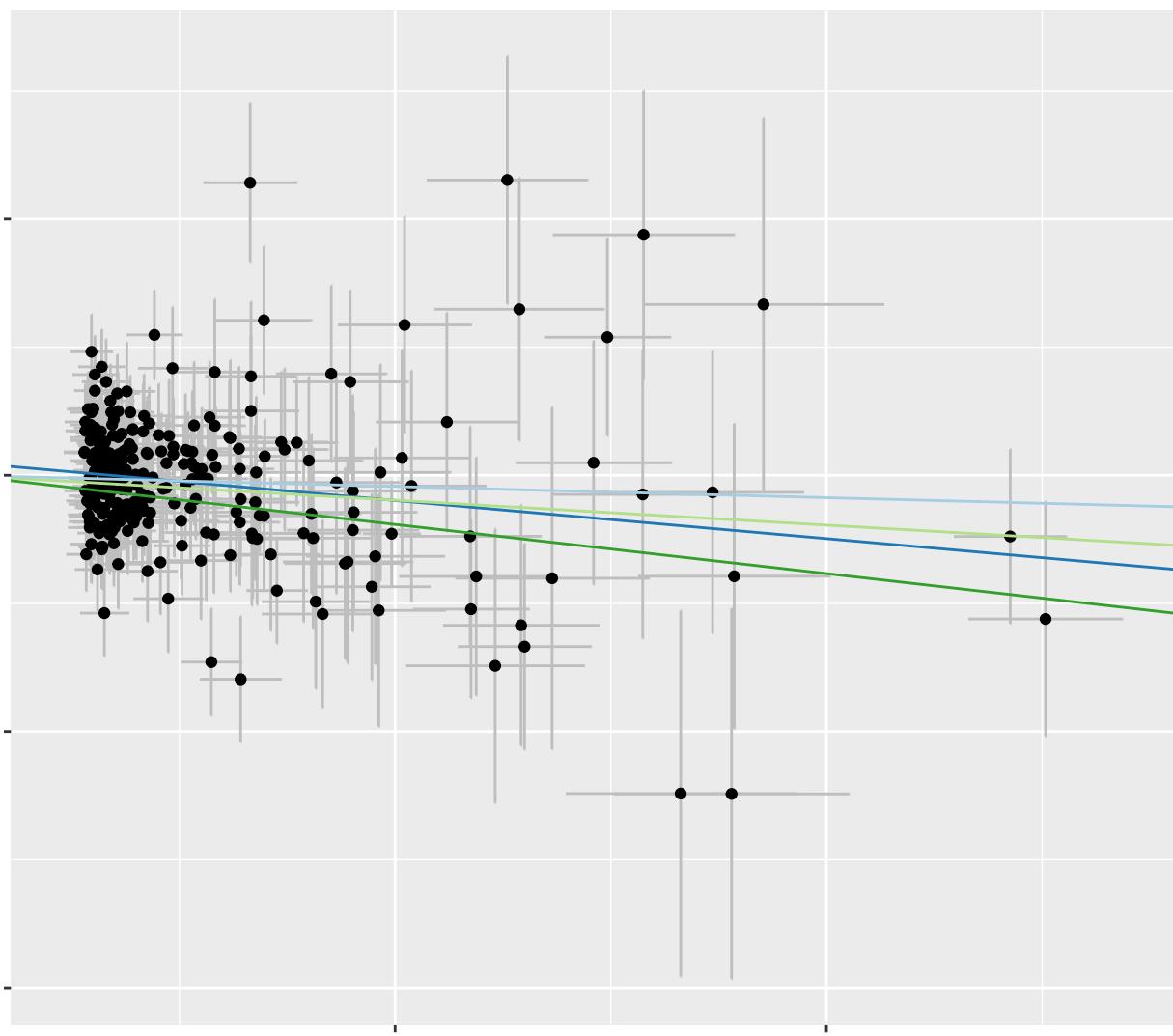
Weighted median



Weighted mode

SNP effect on M\_LDL\_C\_pct\_int\_imputed\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



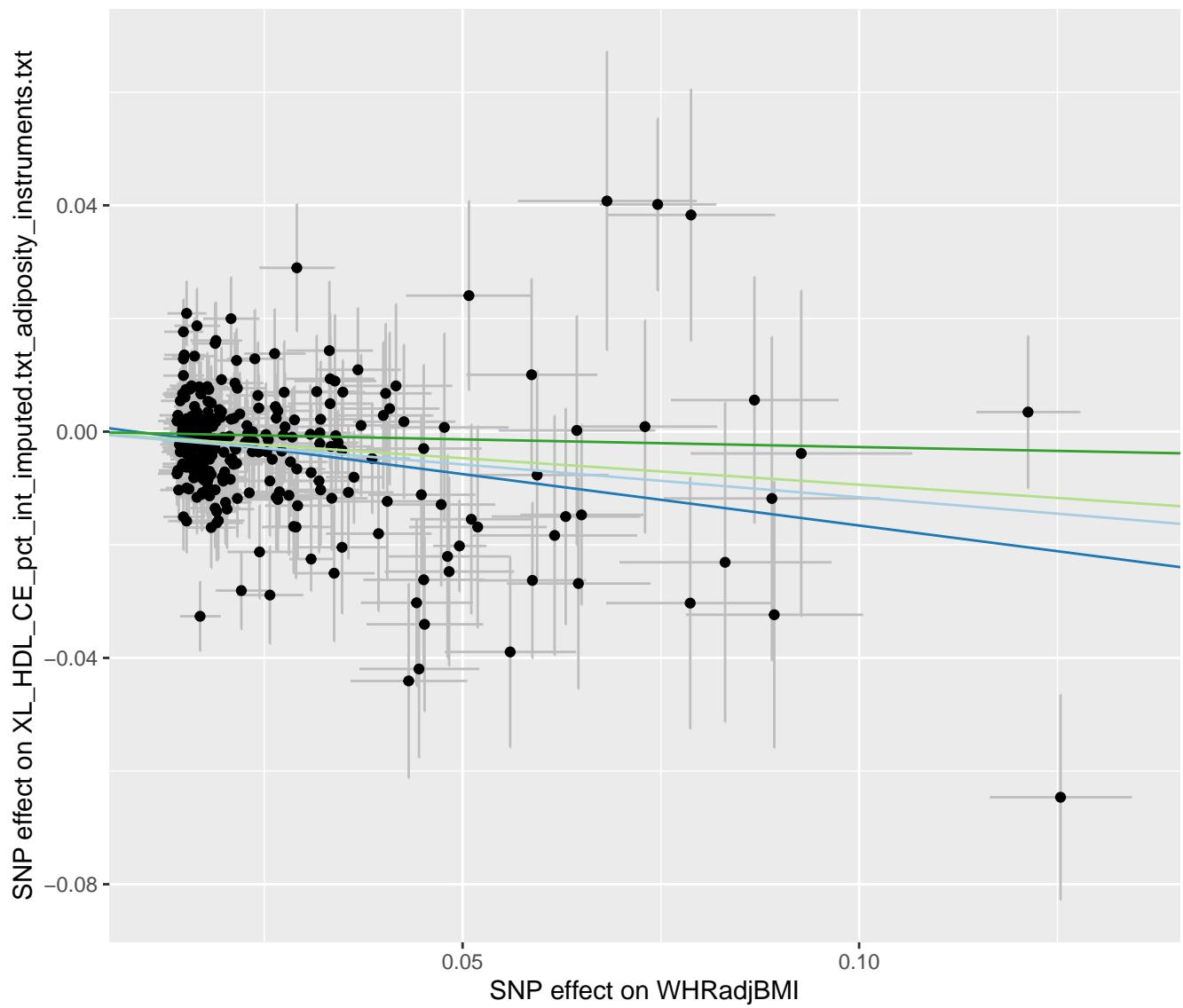
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)

MR Egger



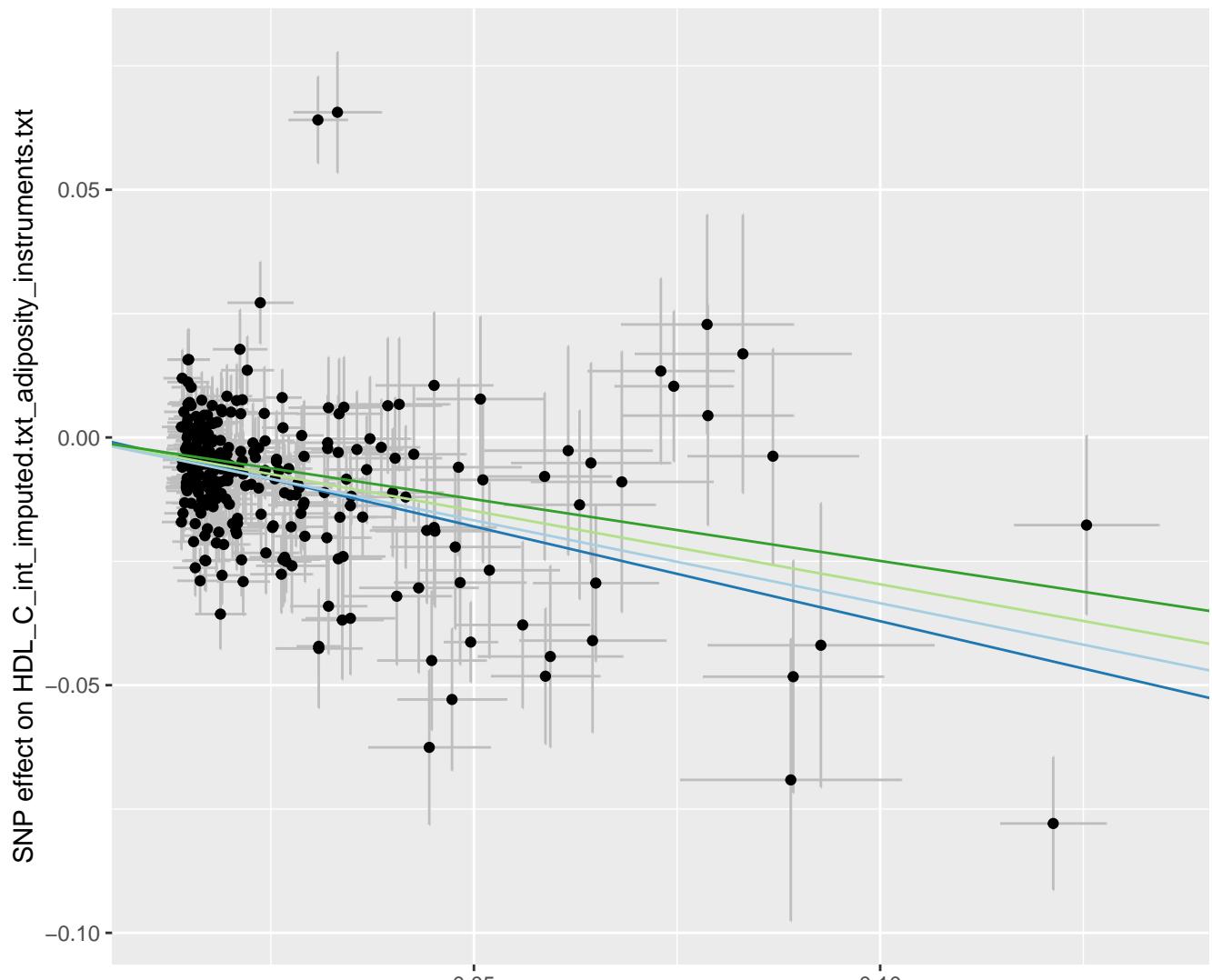
Weighted median



Weighted mode

SNP effect on HDL\_C\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



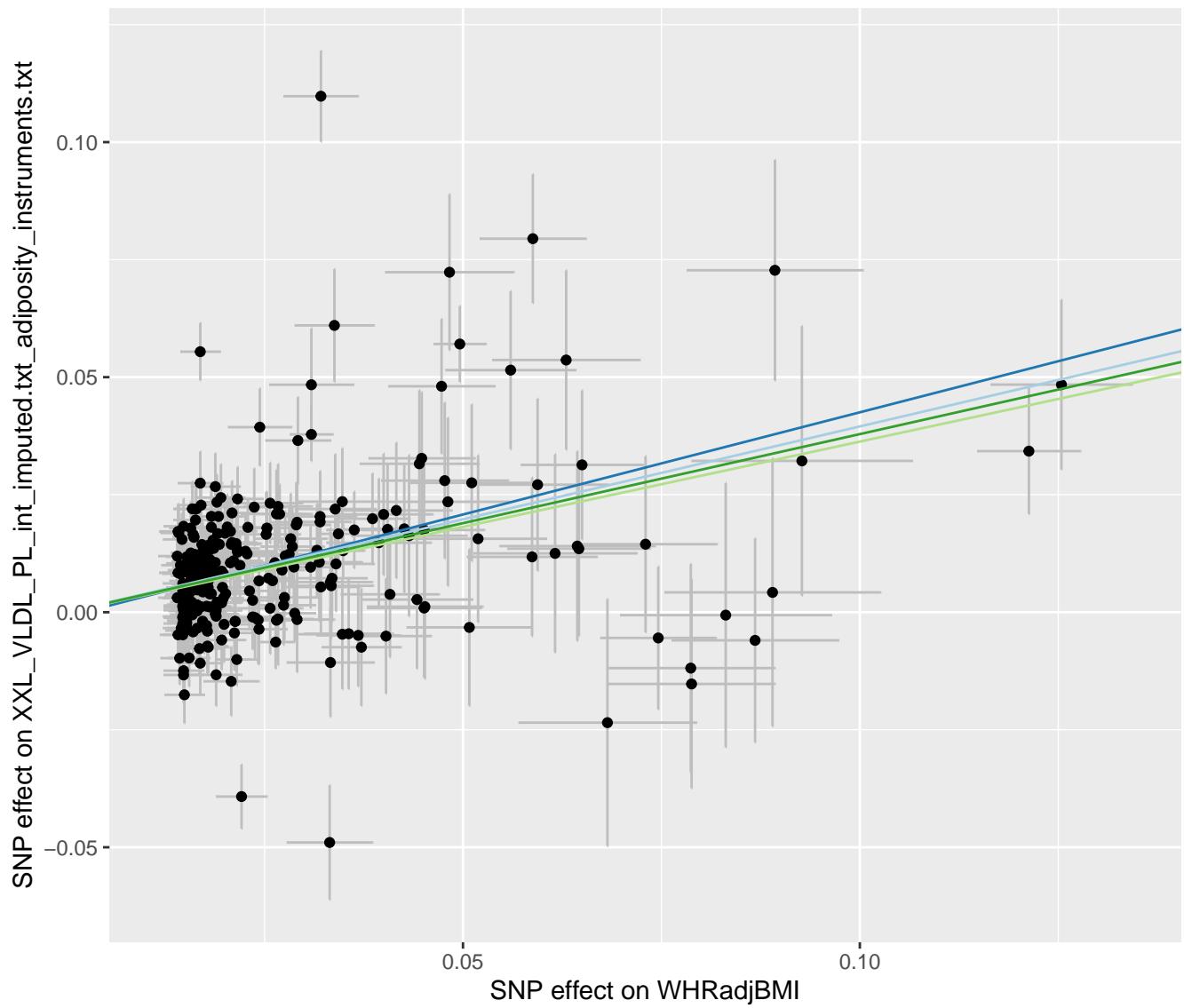
MR Egger



Weighted median



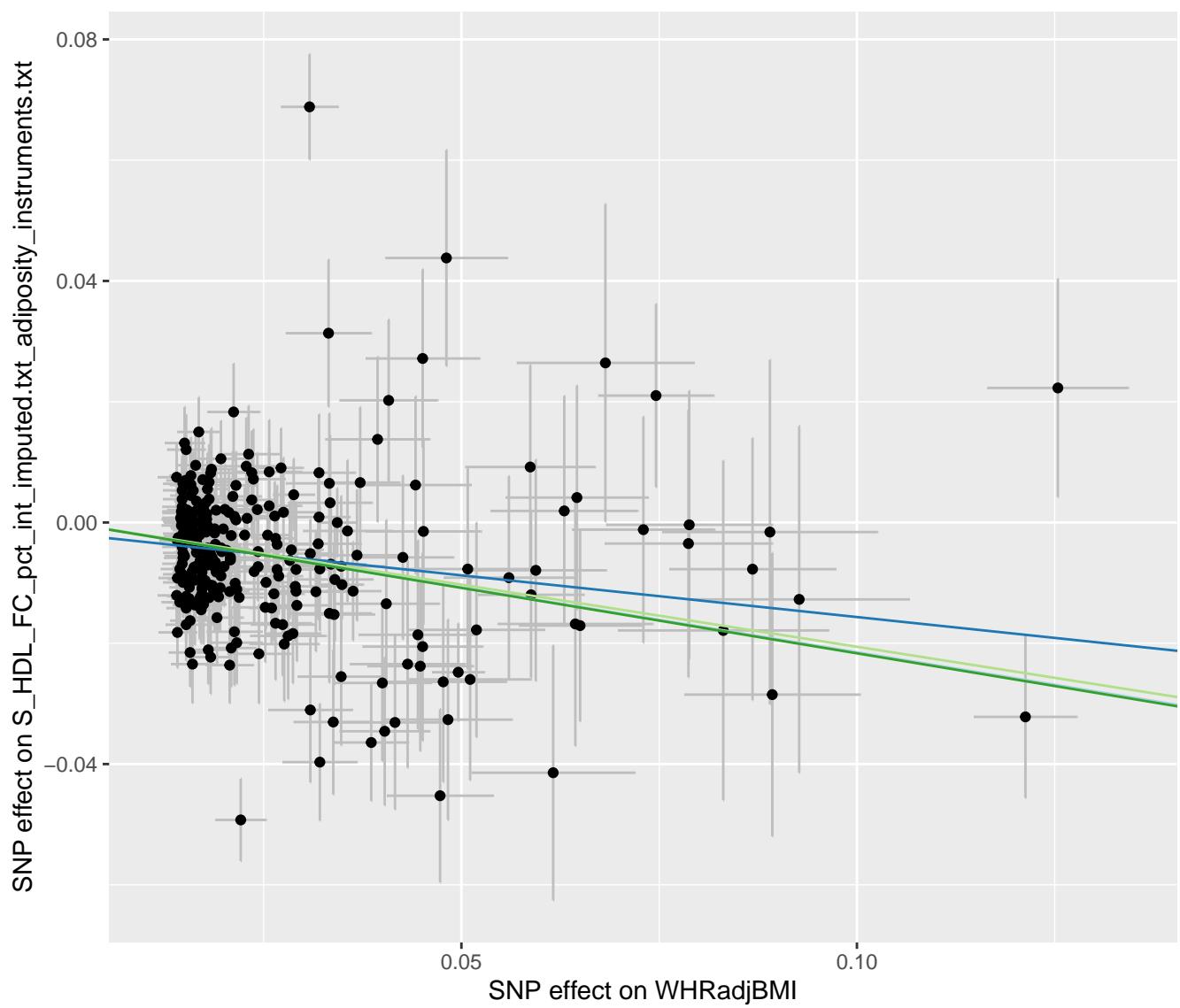
Weighted mode



# MR Test

Inverse variance weighted (multiplicative random effects)  
MR Egger

Weighted median  
Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



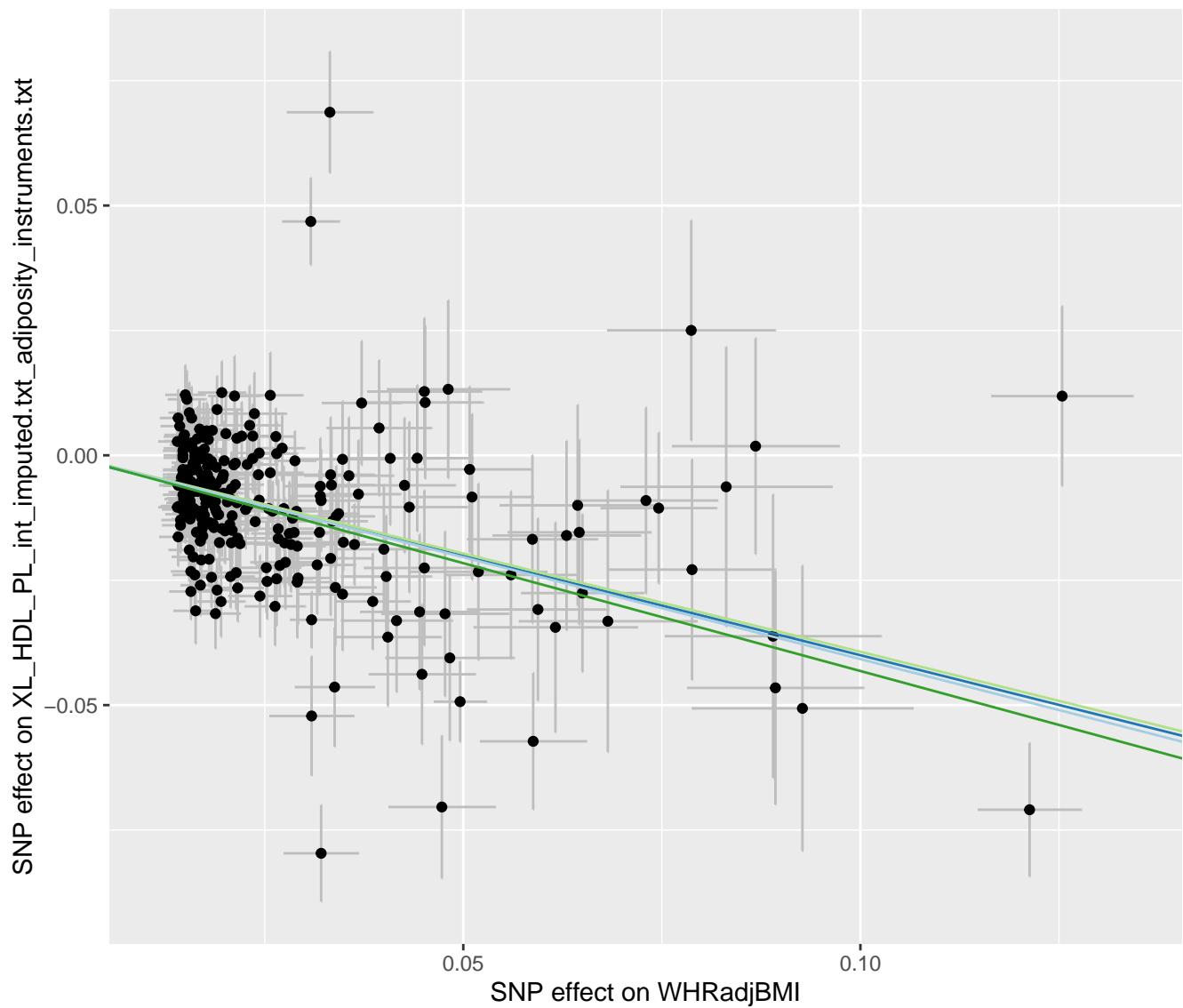
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



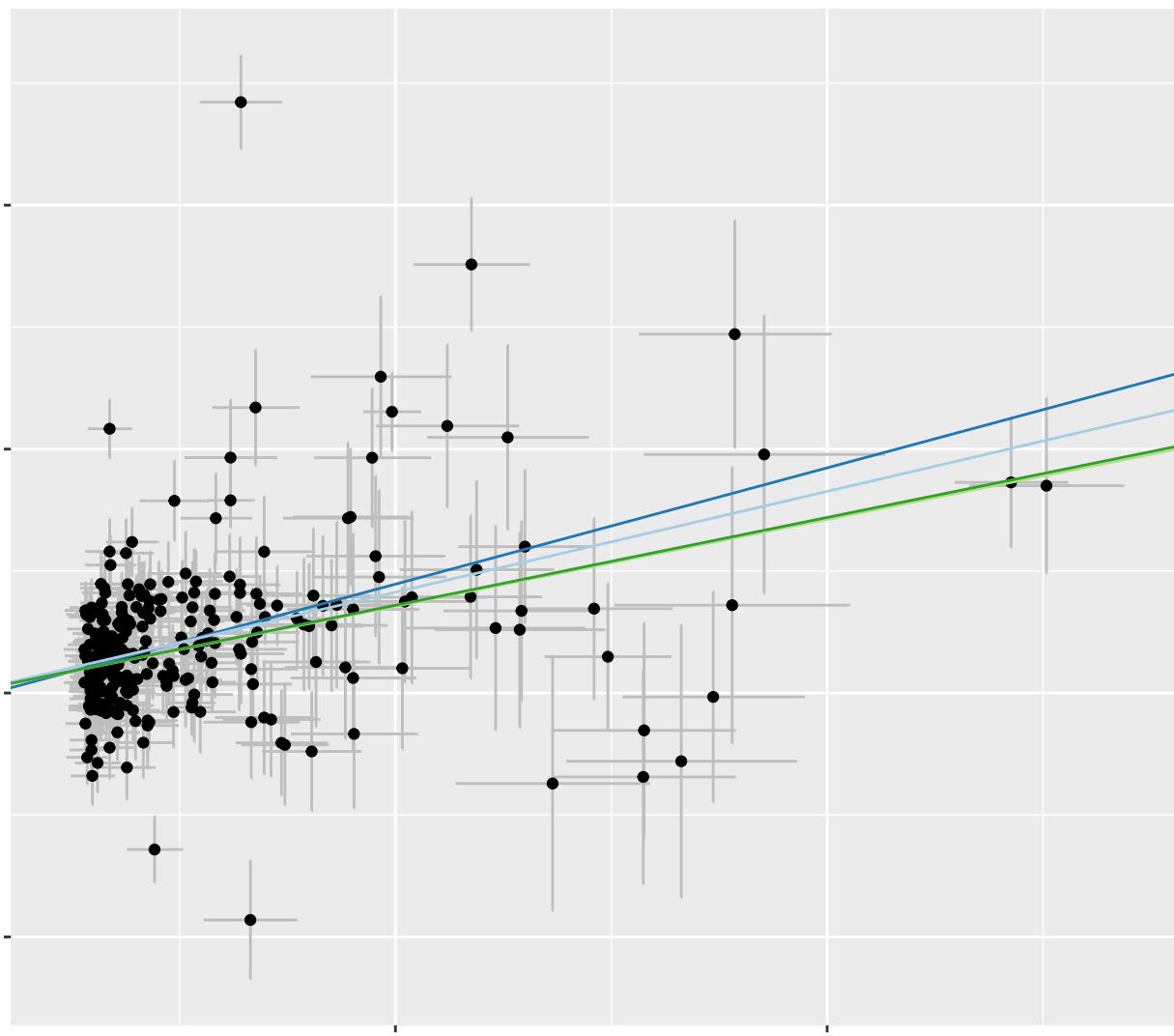
Weighted median



Weighted mode

SNP effect on VLDL\_TG\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

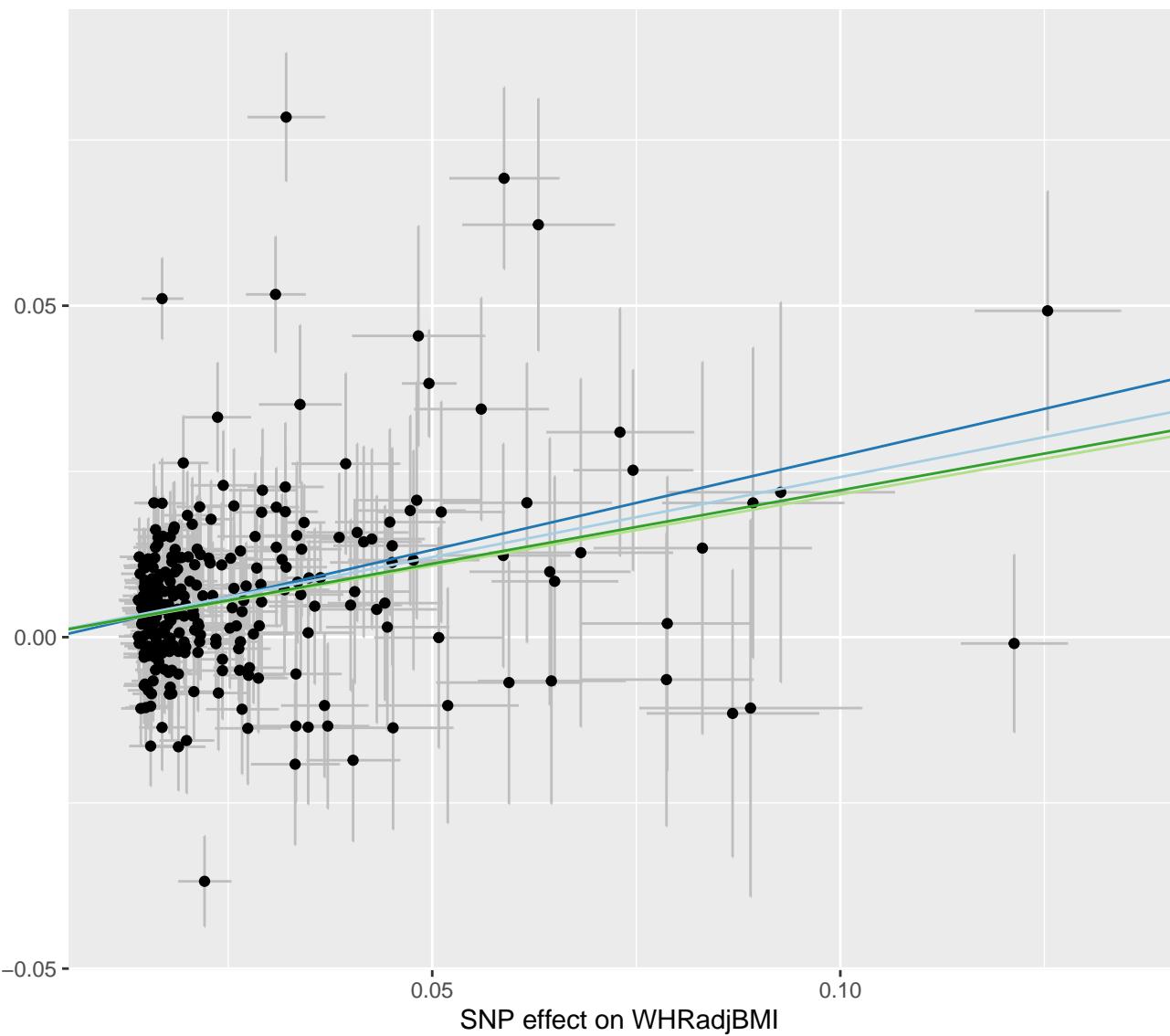


Weighted median



Weighted mode

SNP effect on SFA\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



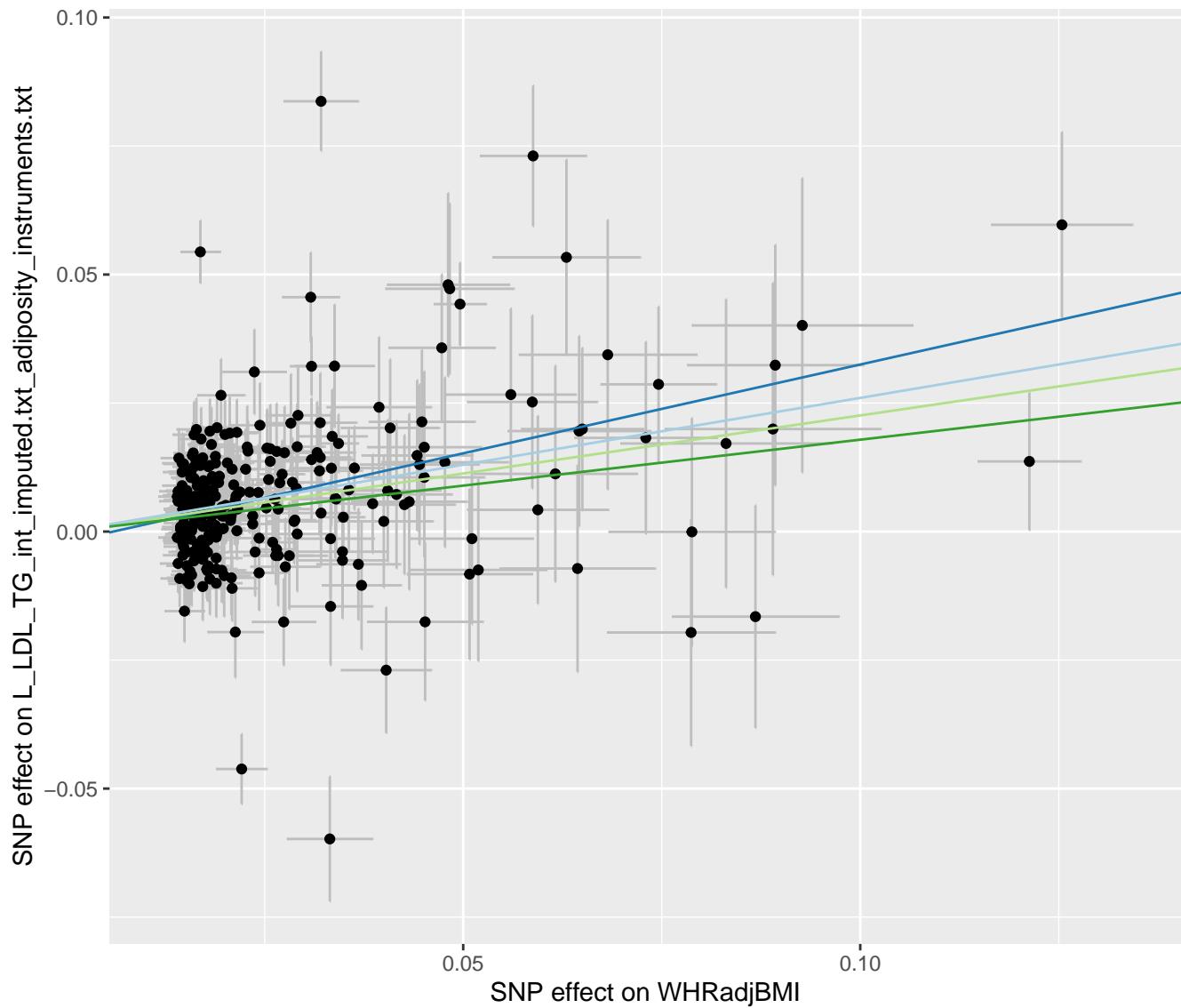
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

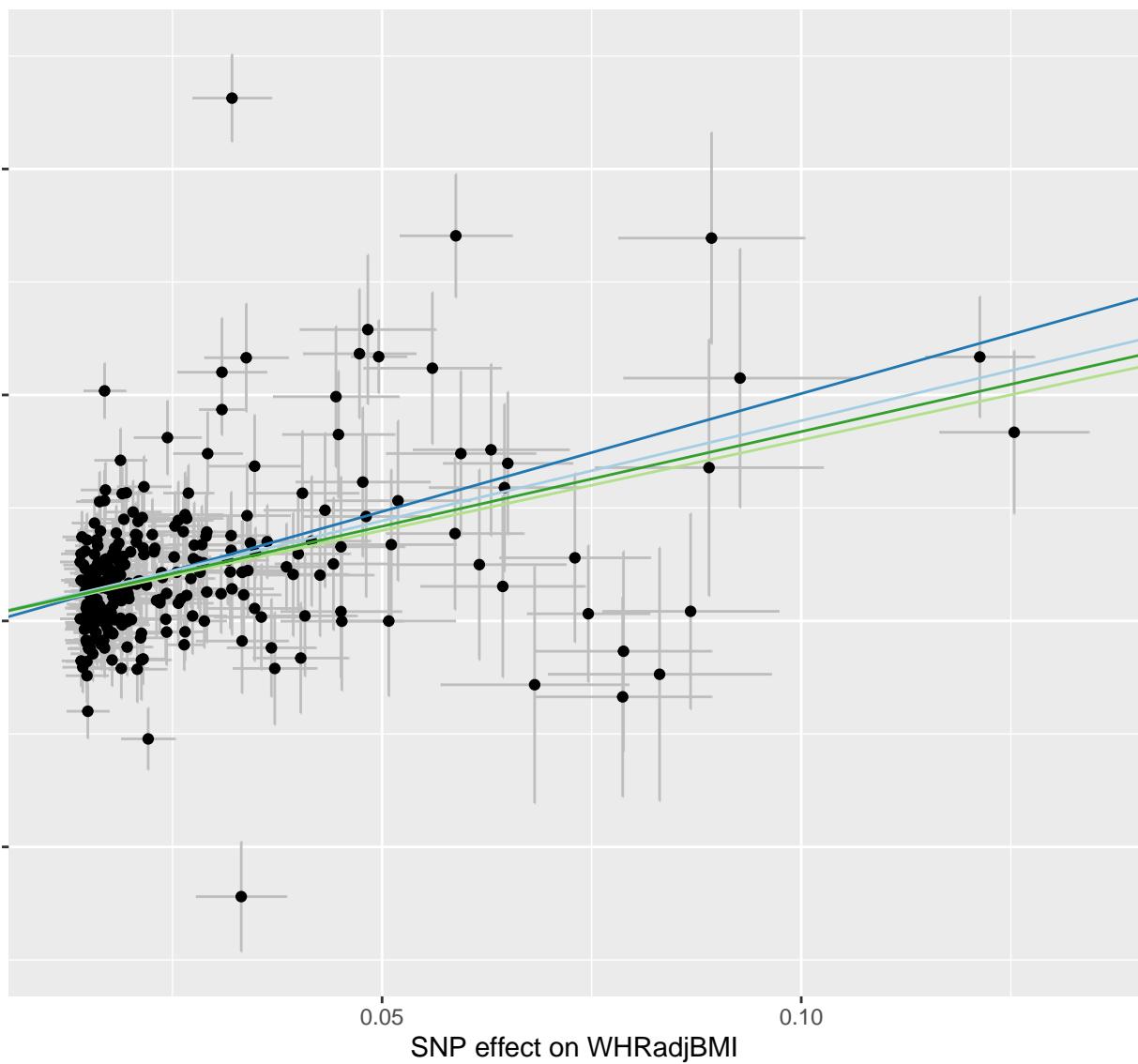


Weighted median



Weighted mode

SNP effect on TG\_by\_PG\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



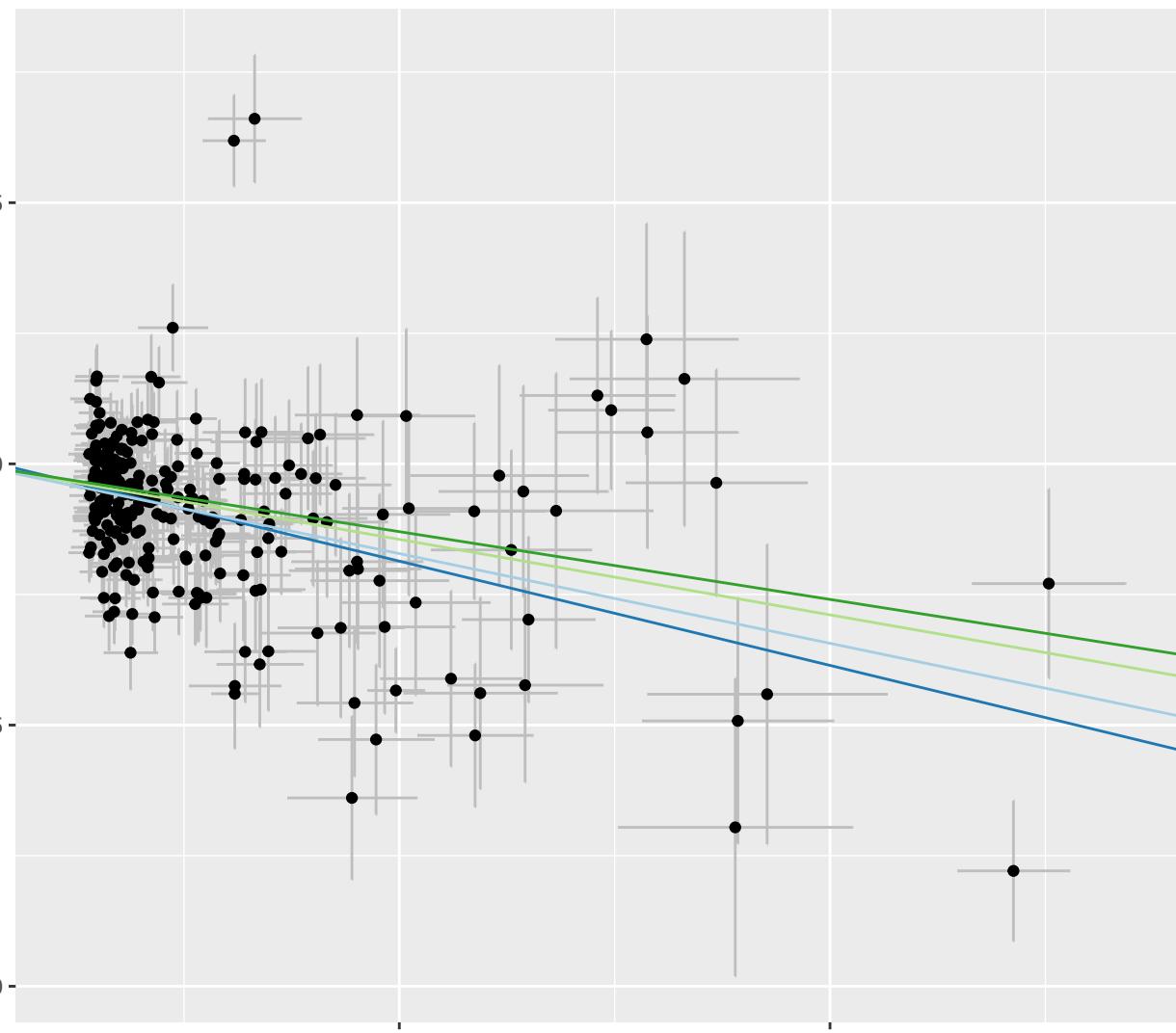
Weighted median



Weighted mode

SNP effect on HDL\_CE\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



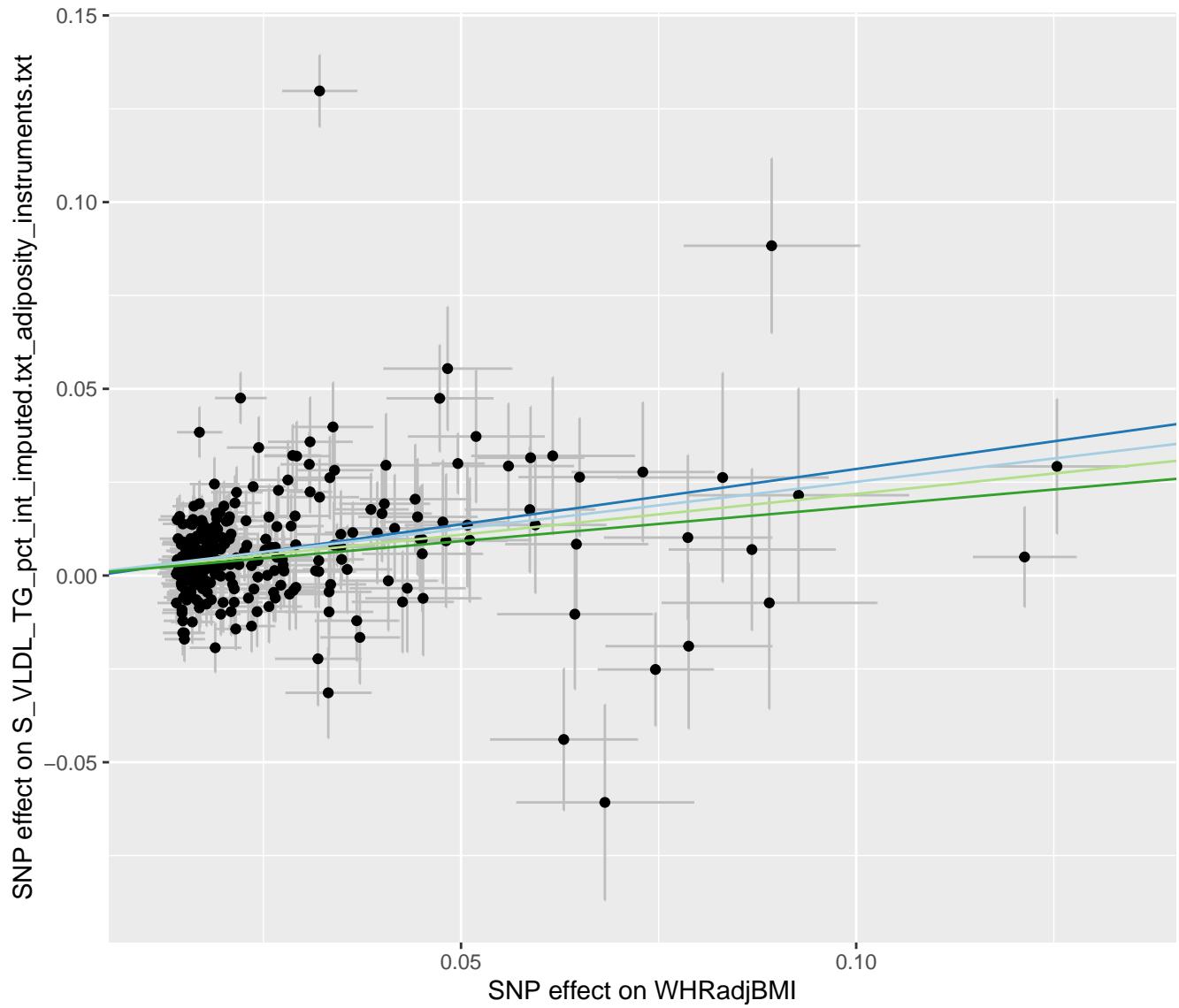
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



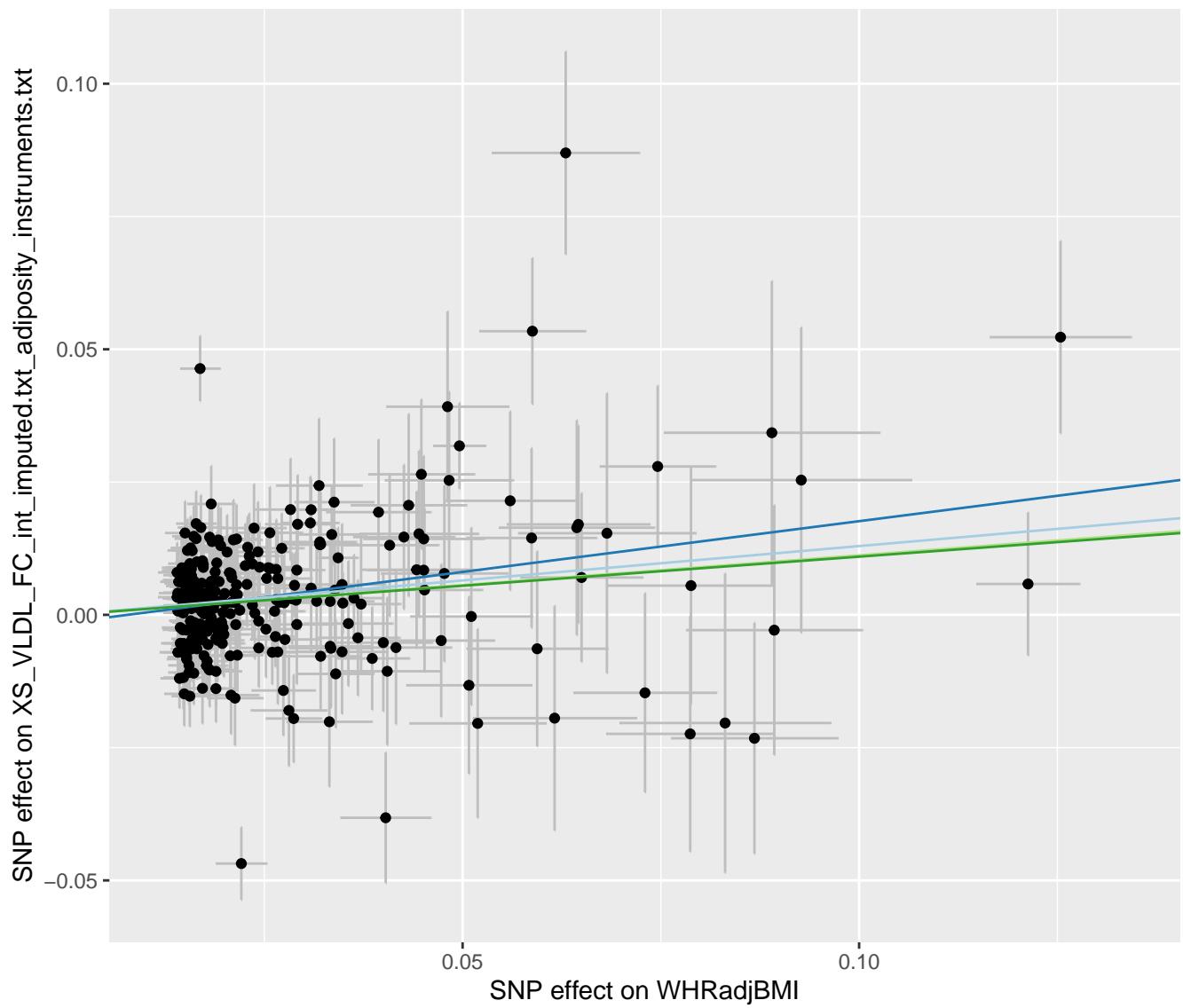
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



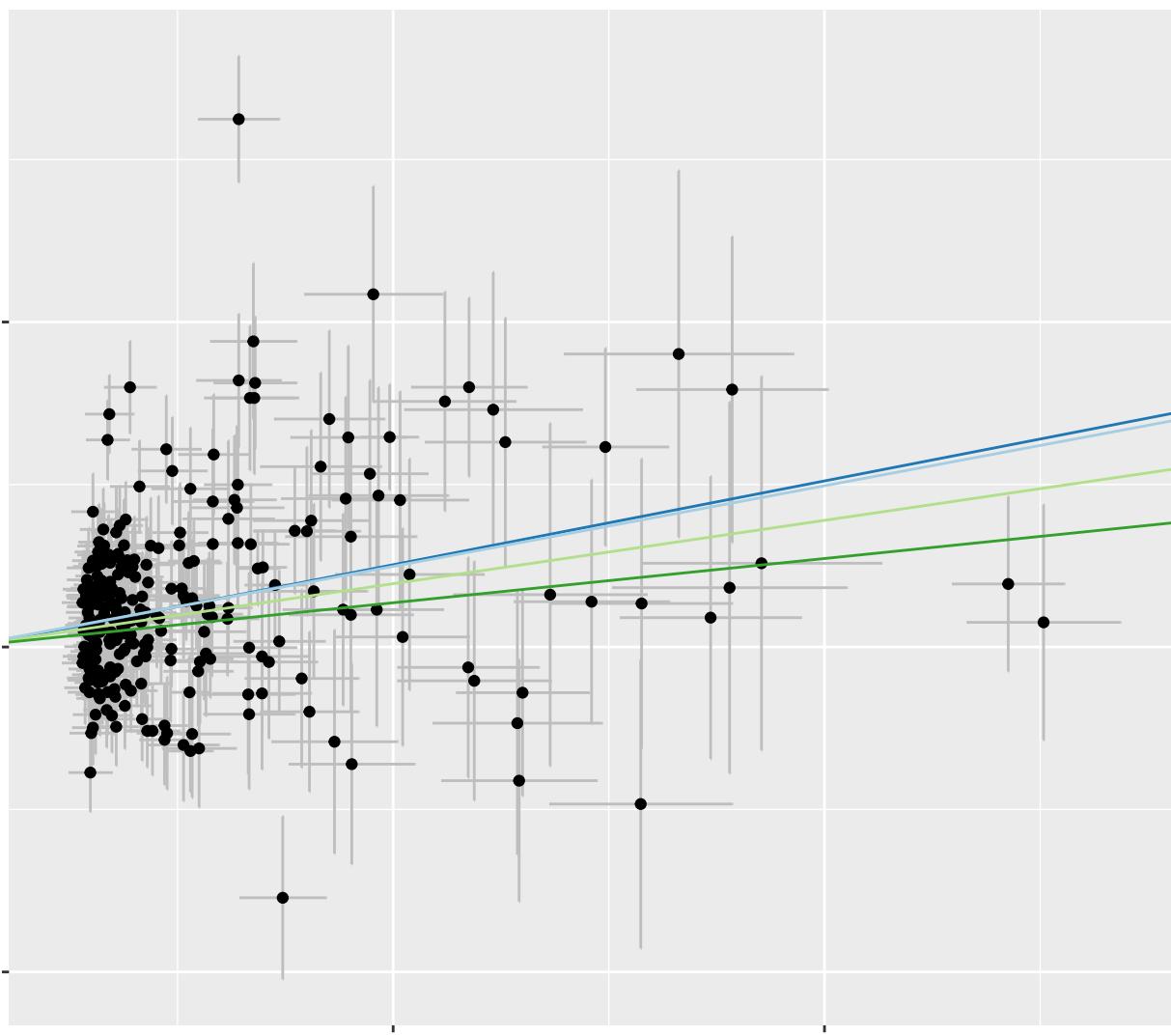
Weighted median



Weighted mode

SNP effect on GlycA\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



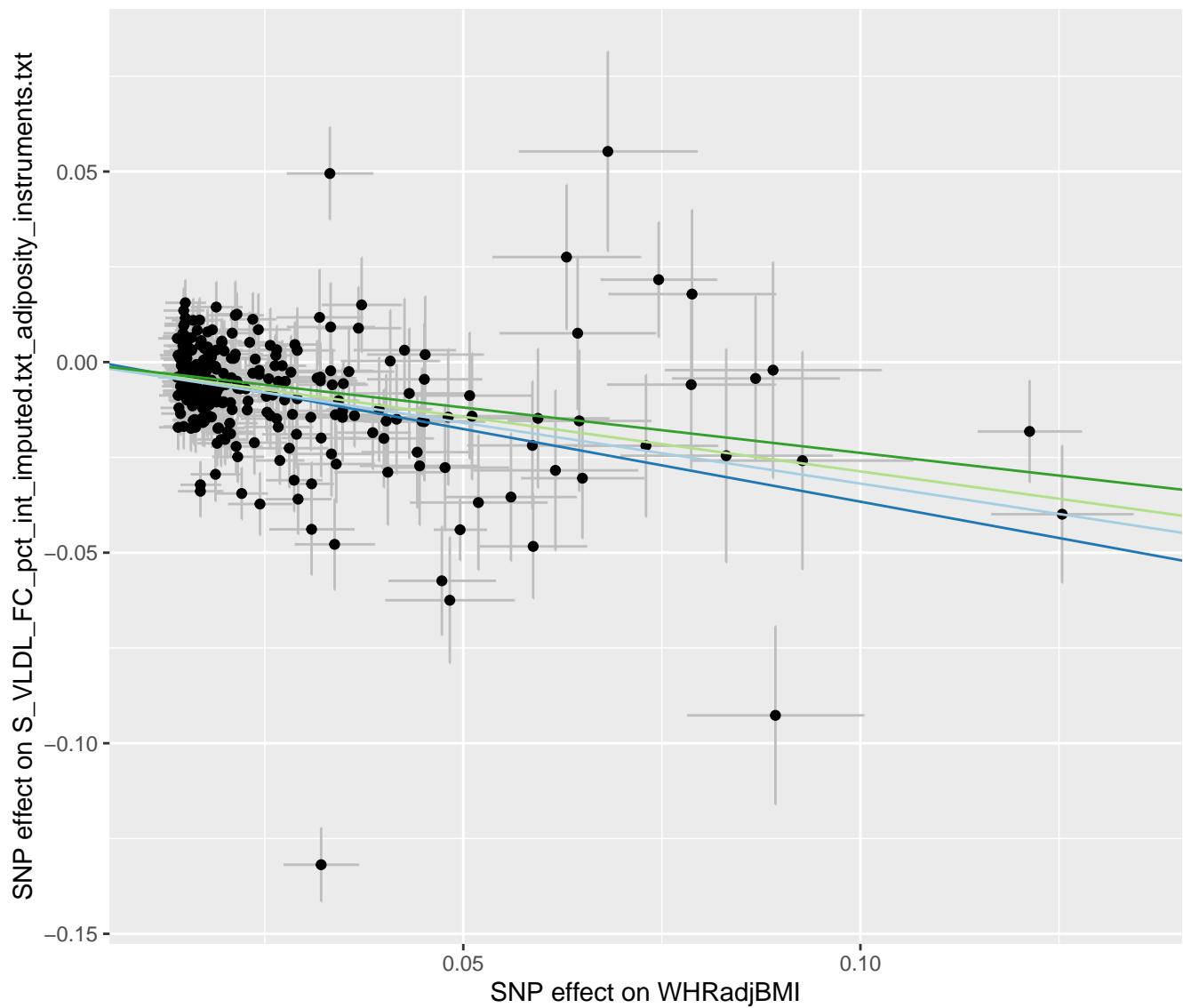
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



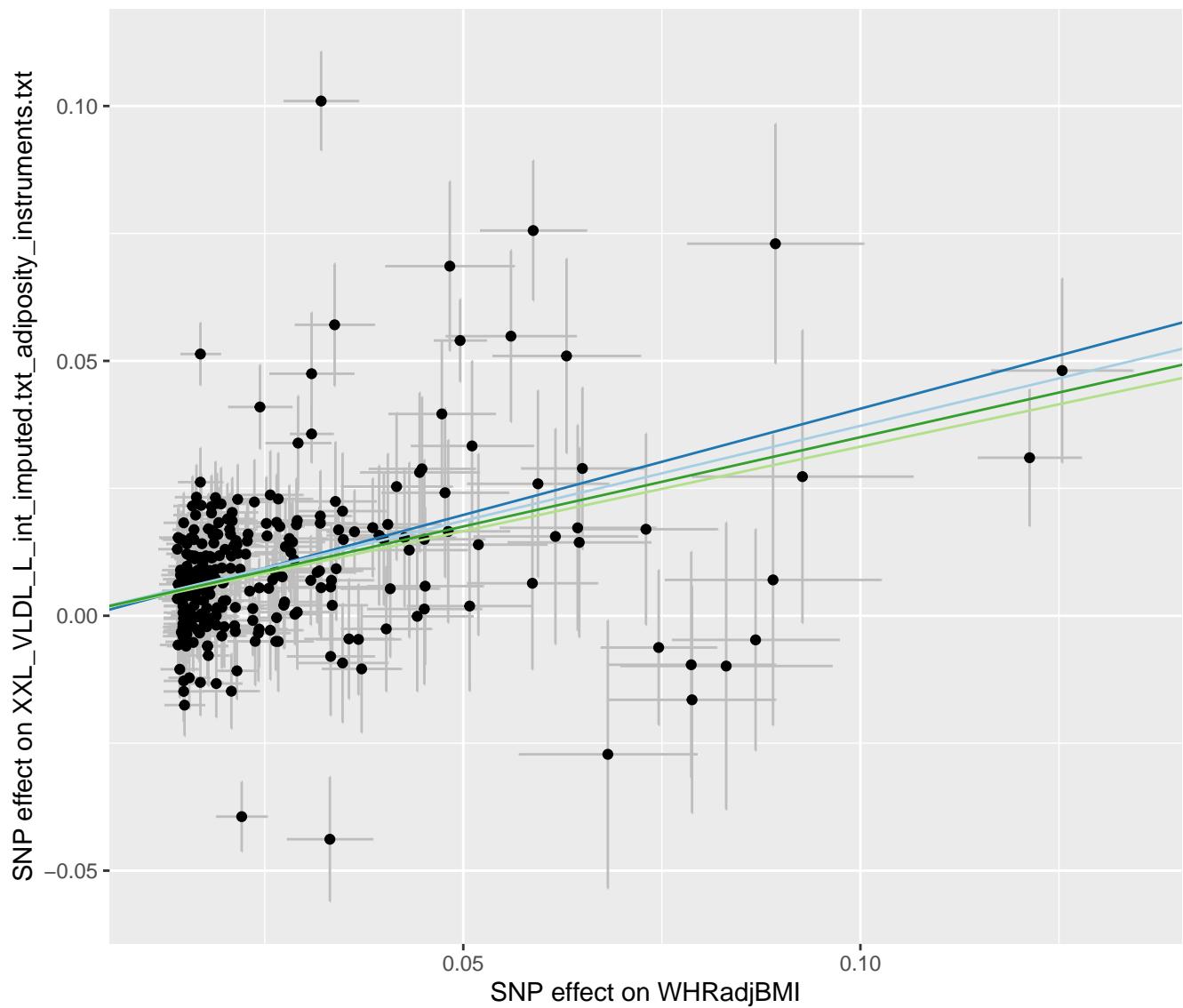
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



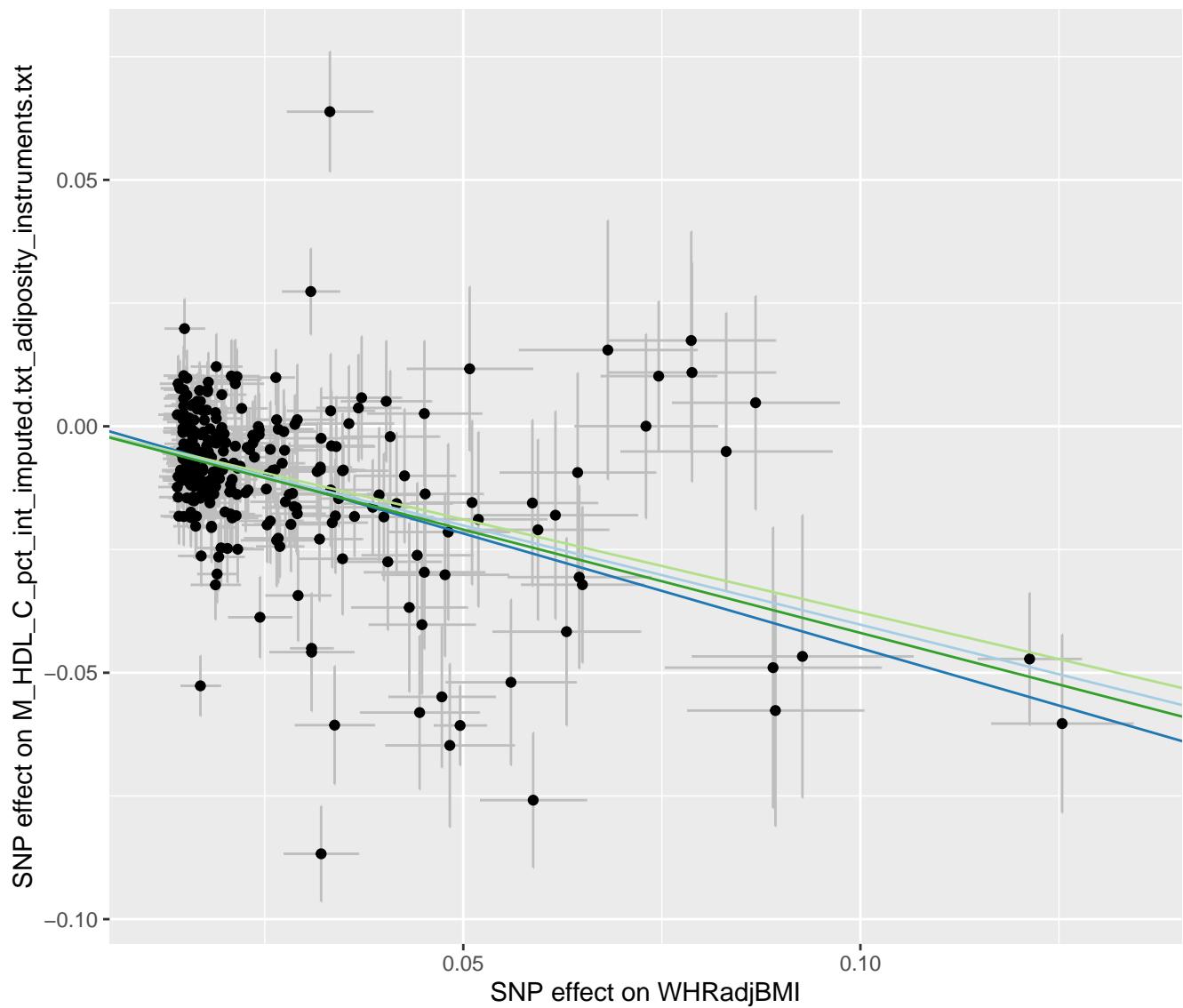
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



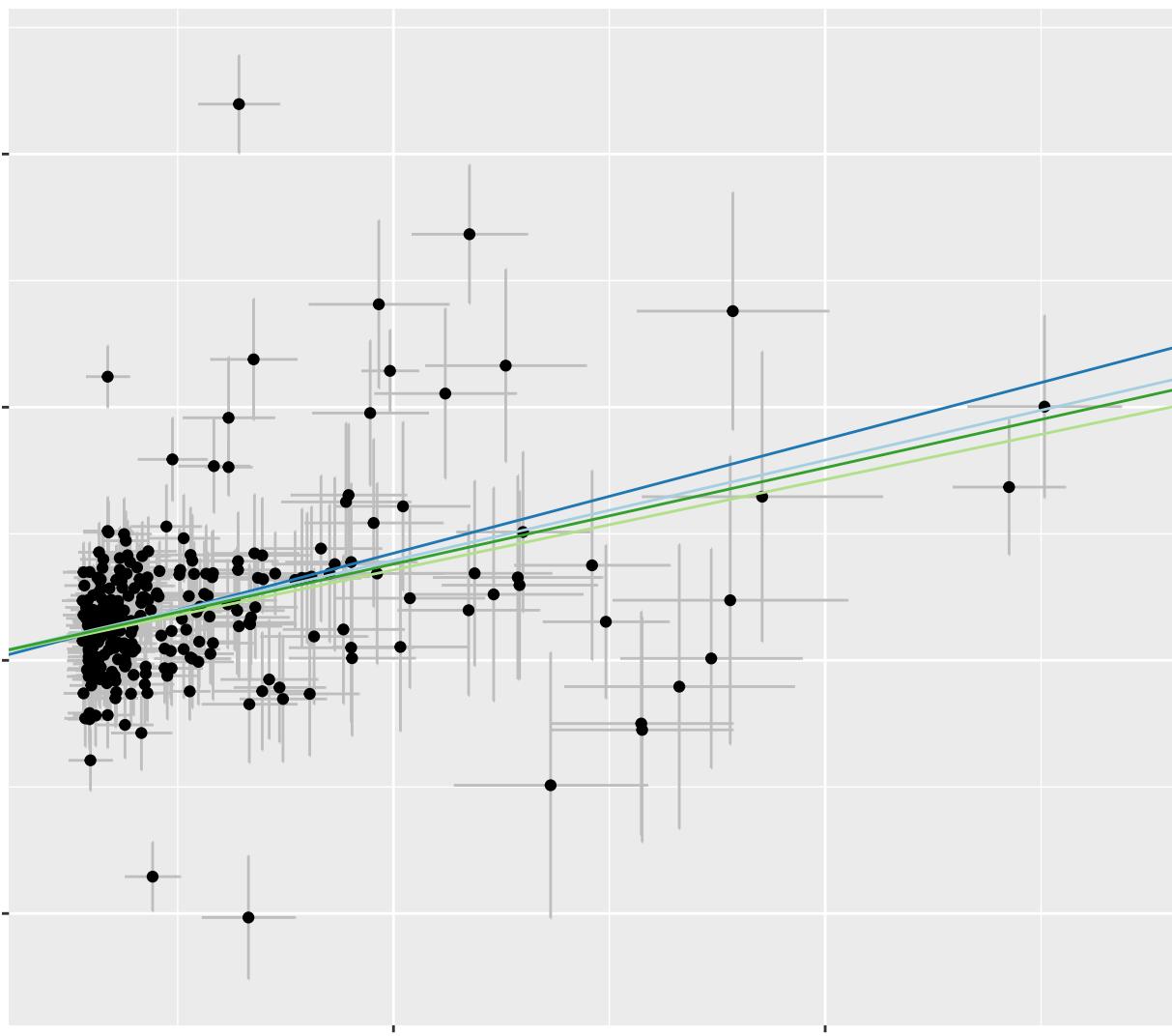
Weighted median



Weighted mode

SNP effect on XXL\_VLDL\_C\_int\_imputed\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



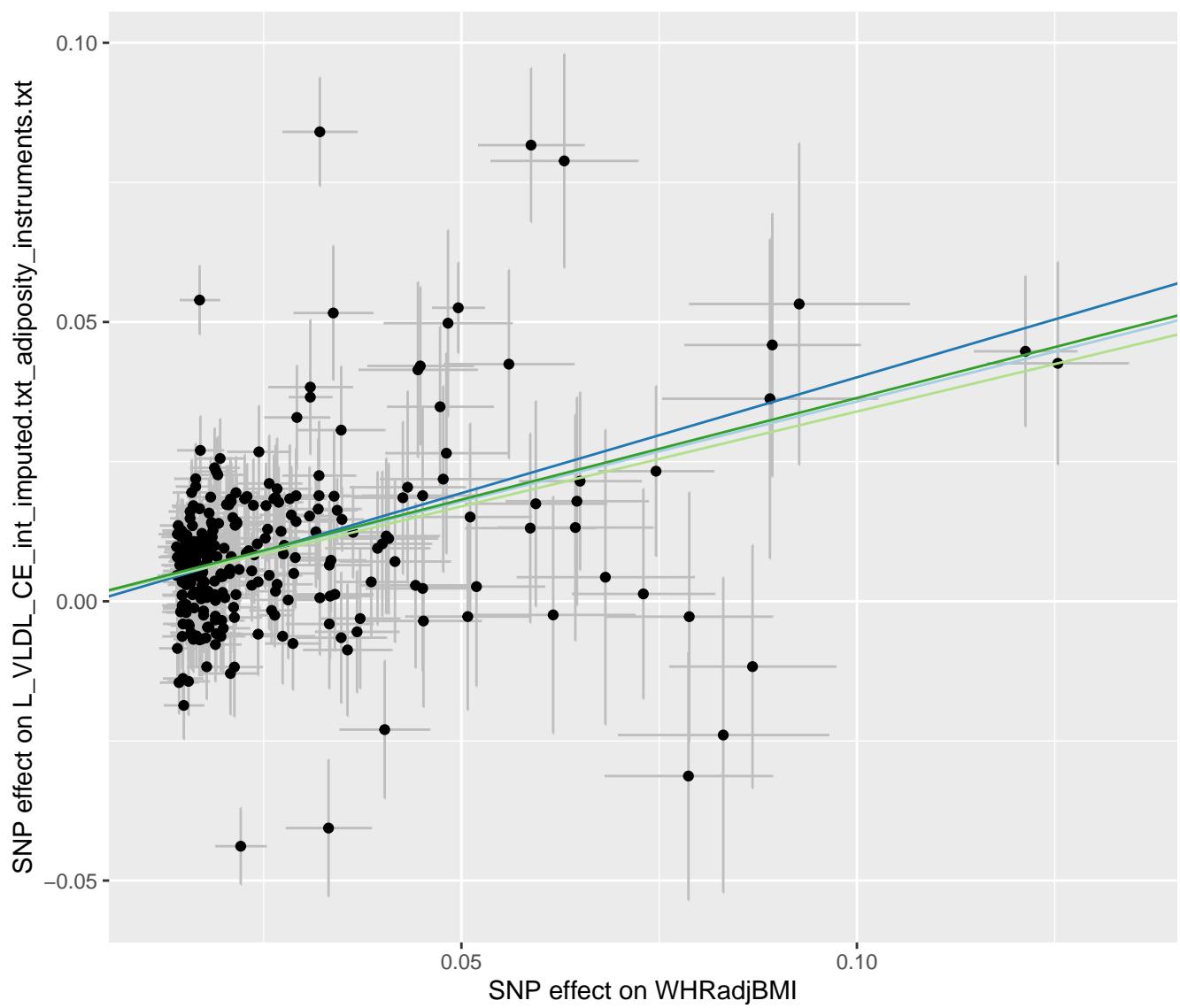
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

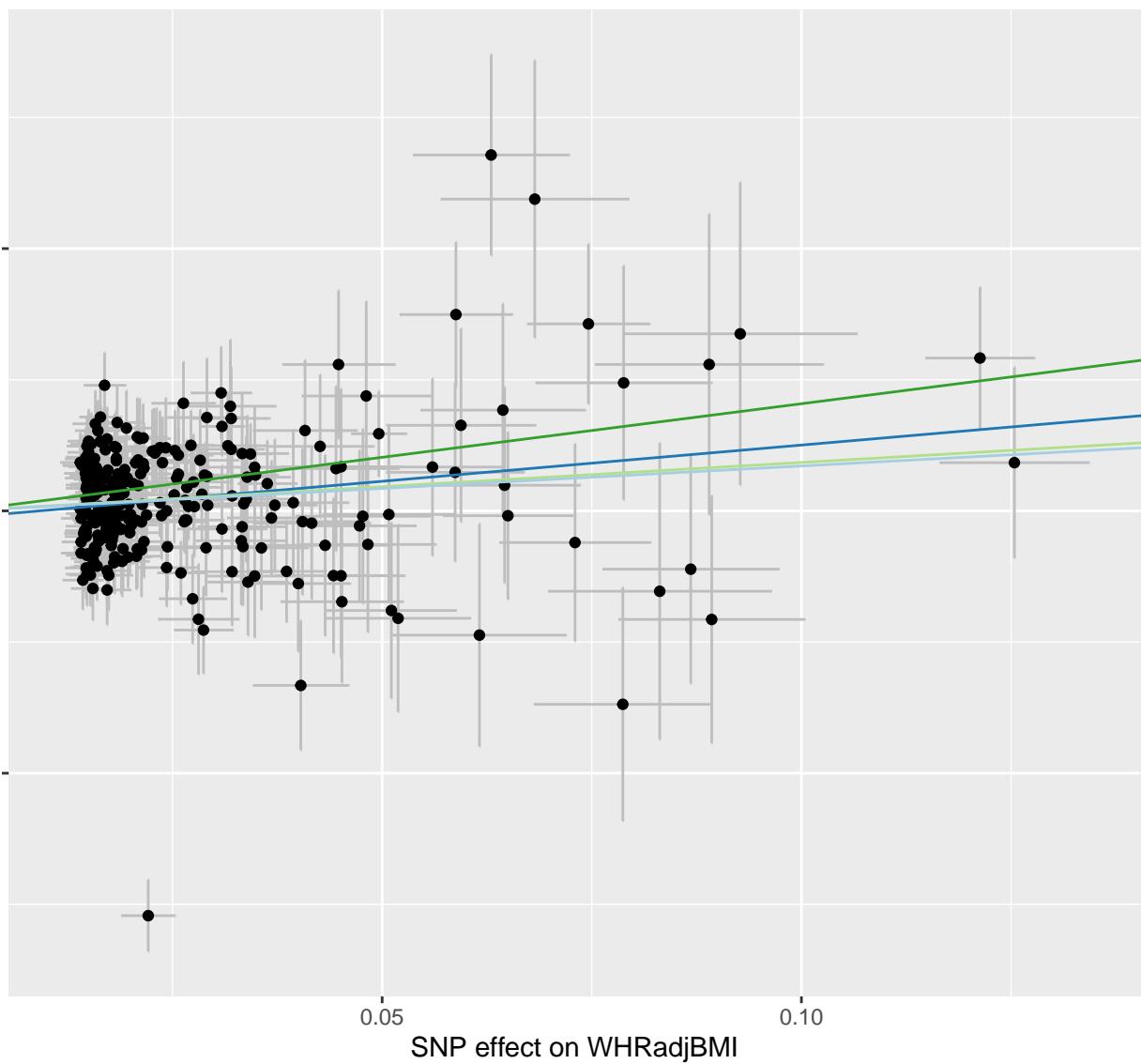


Weighted median



Weighted mode

SNP effect on S\_LDL\_PL\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)

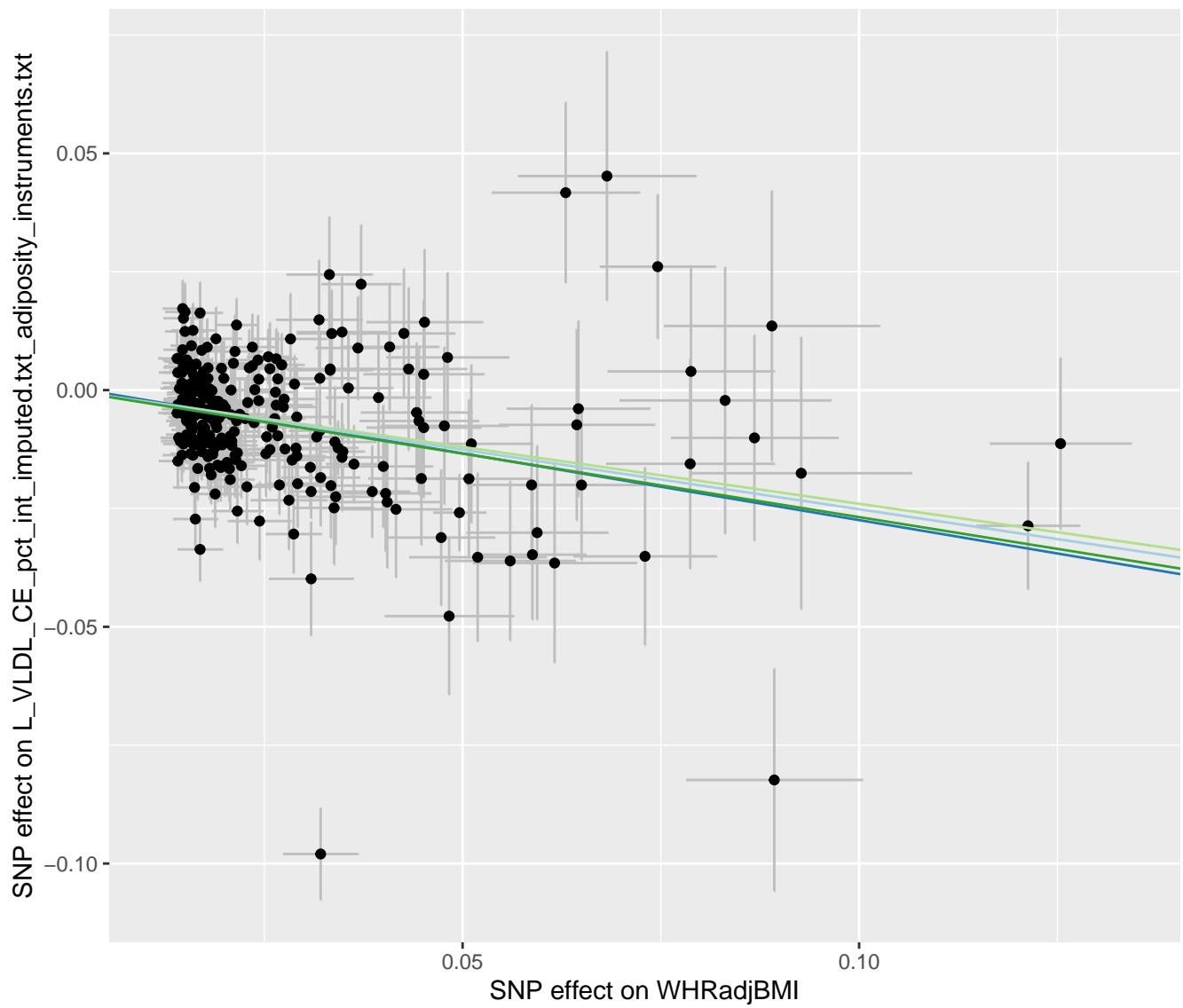
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



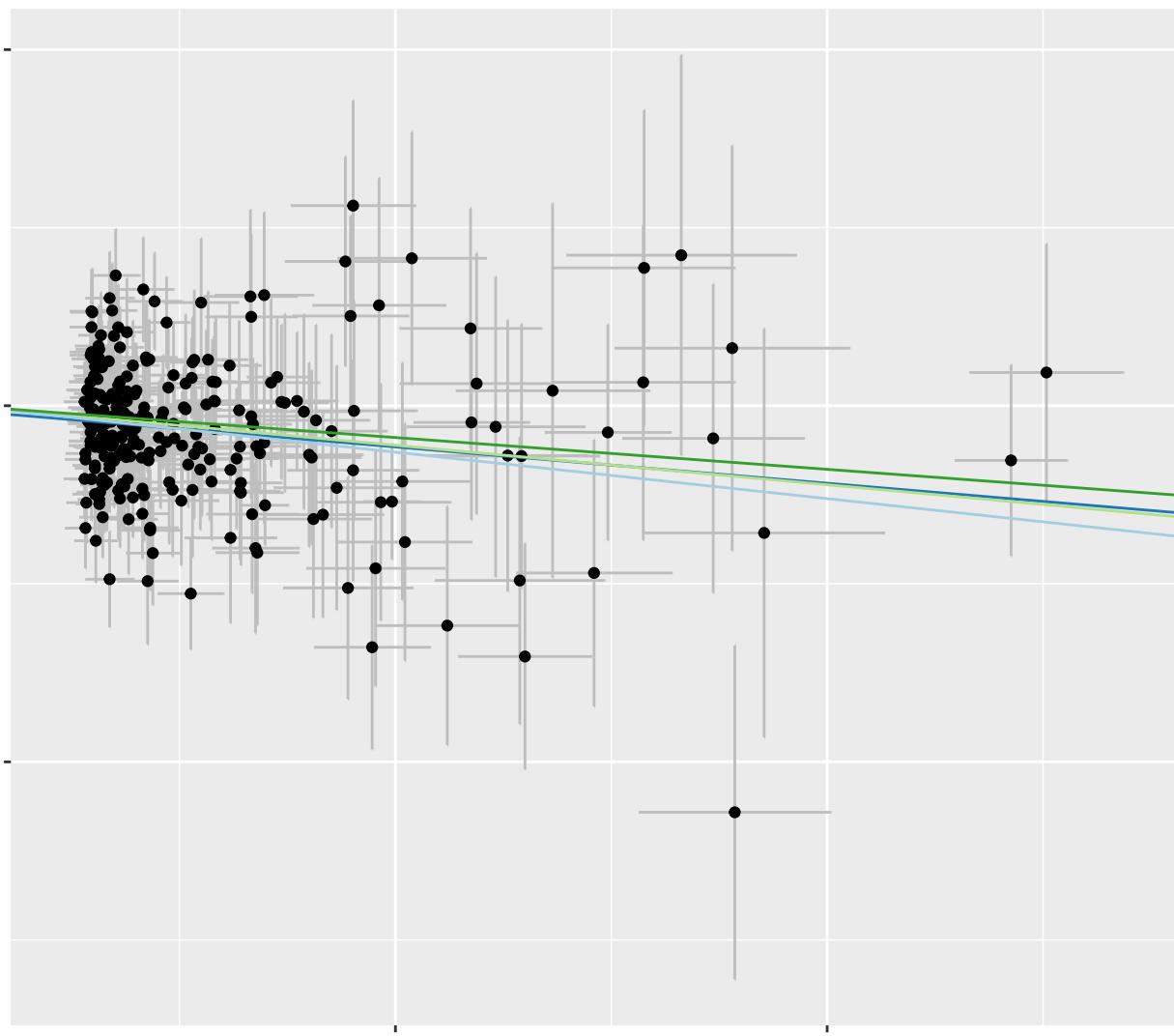
Weighted median



Weighted mode

SNP effect on DHA\_pct\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



## MR Test



Inverse variance weighted (multiplicative random effects)



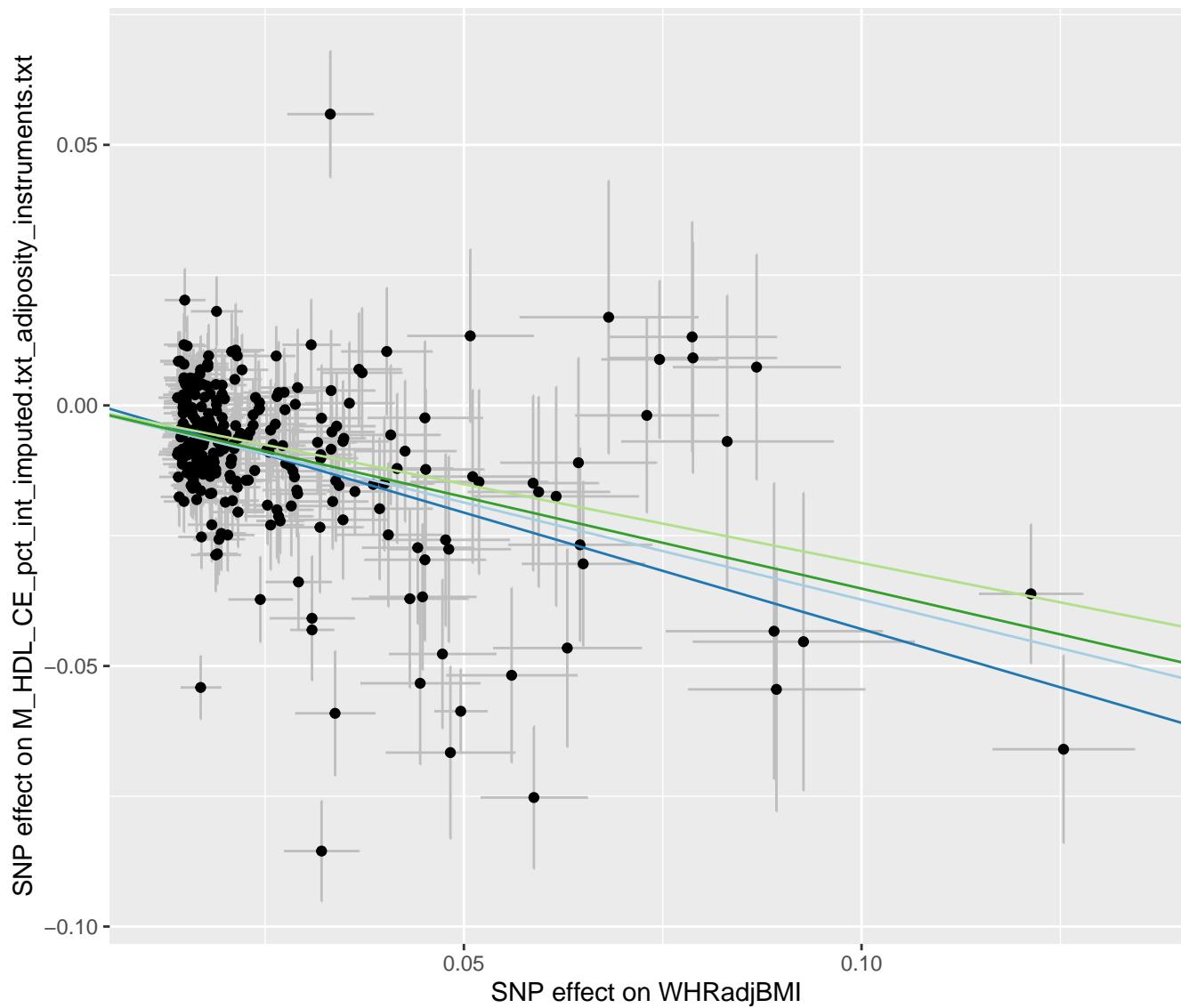
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)

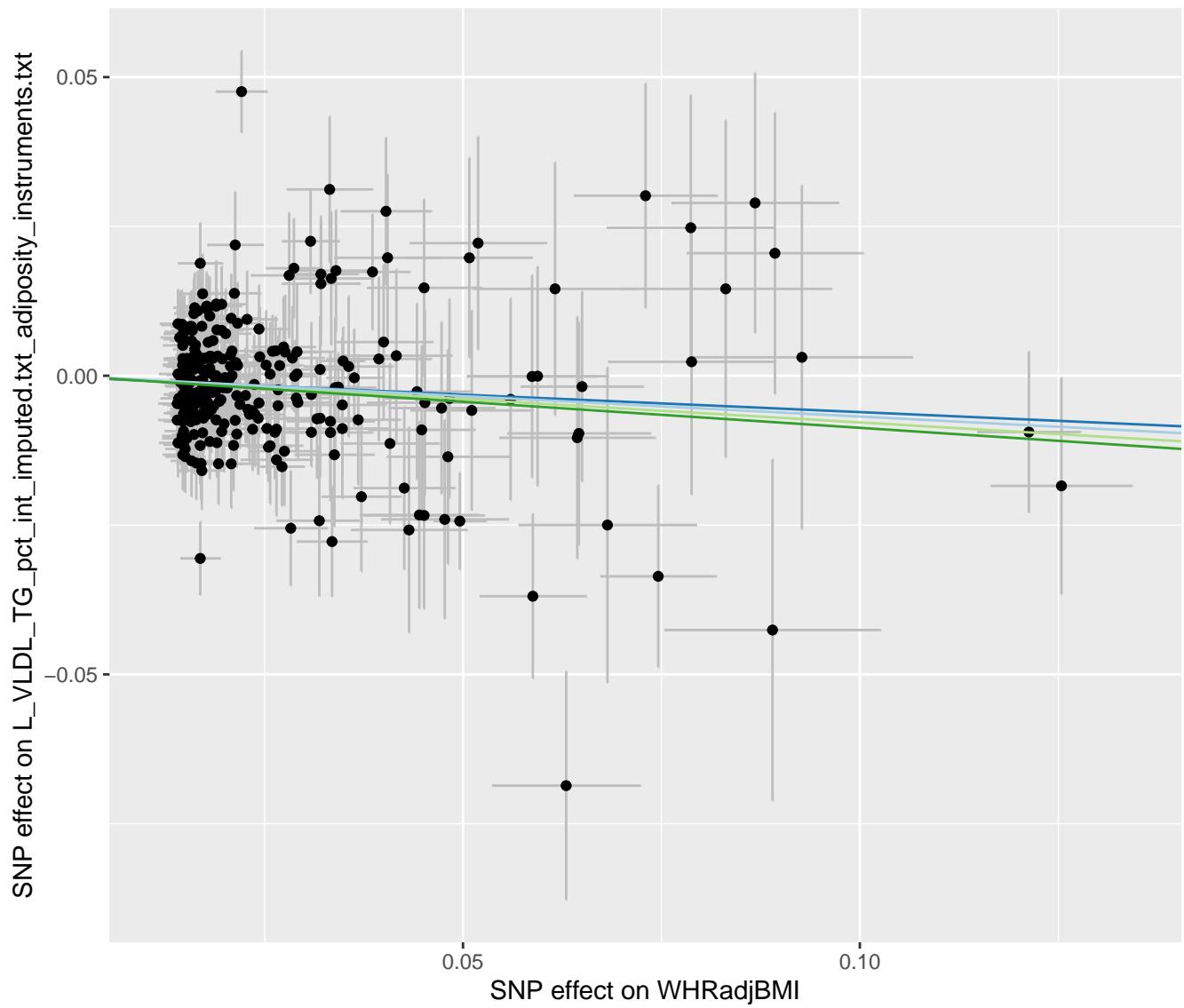
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



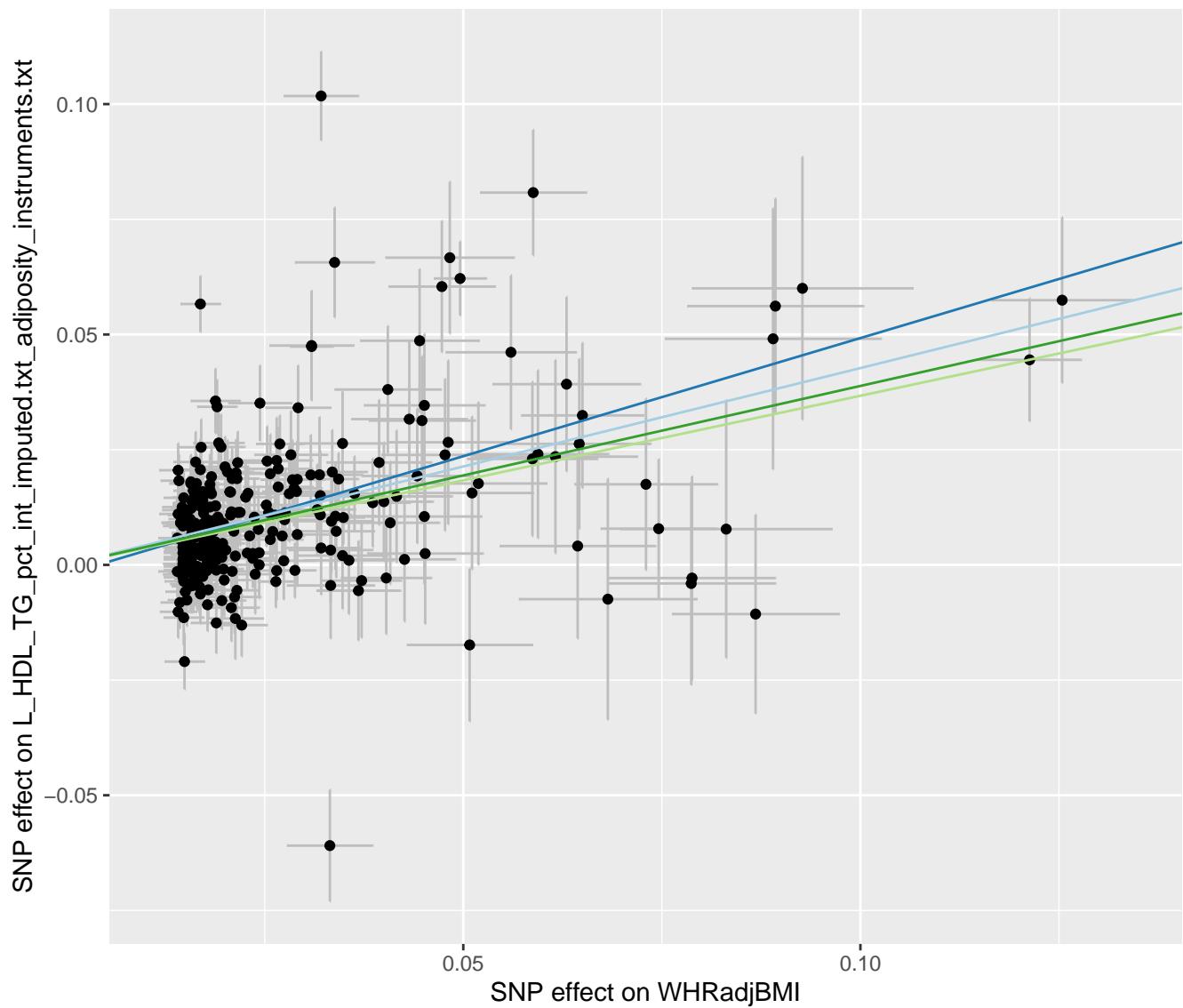
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



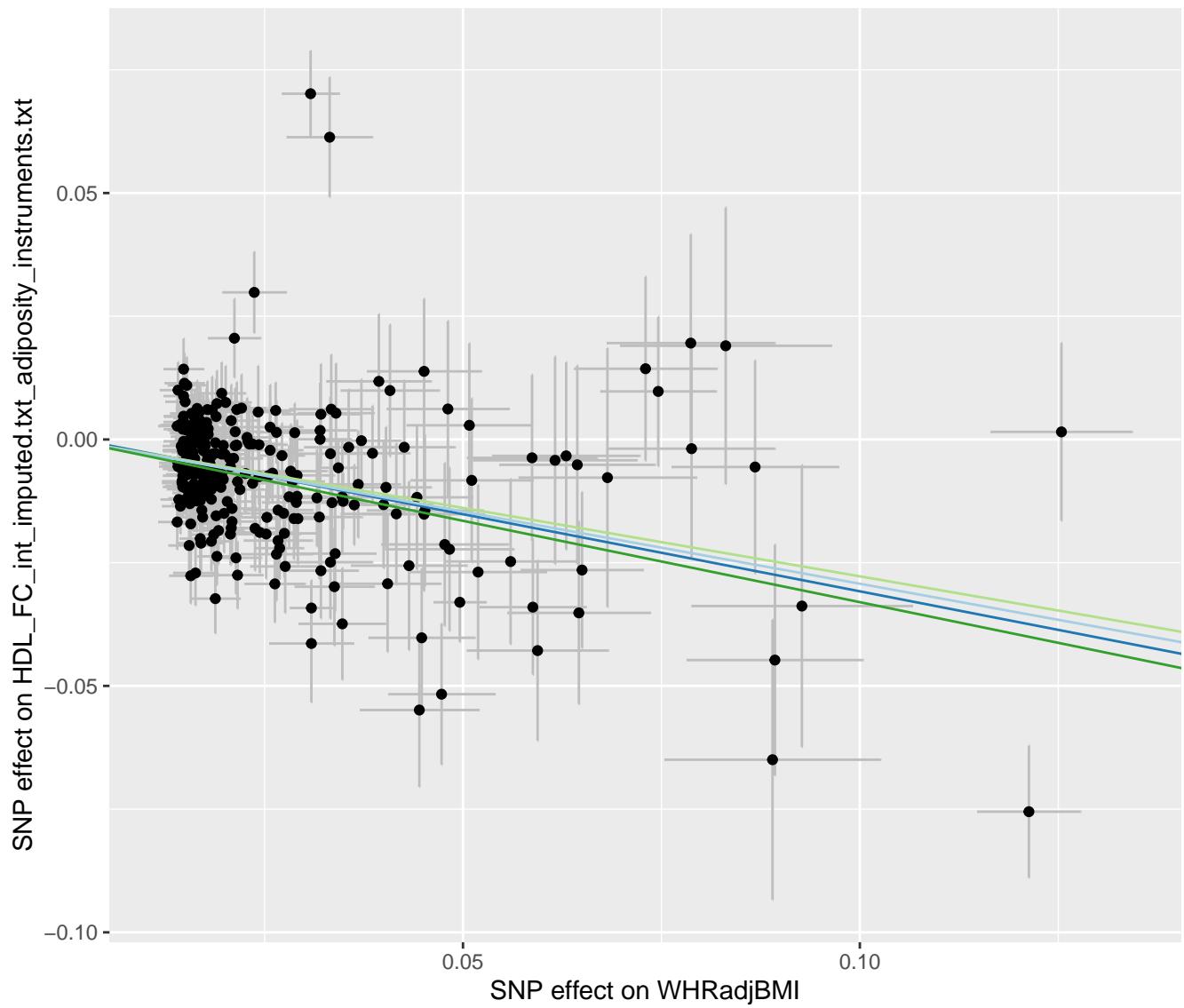
Weighted median



Weighted mode

SNP effect on HDL\_FC\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



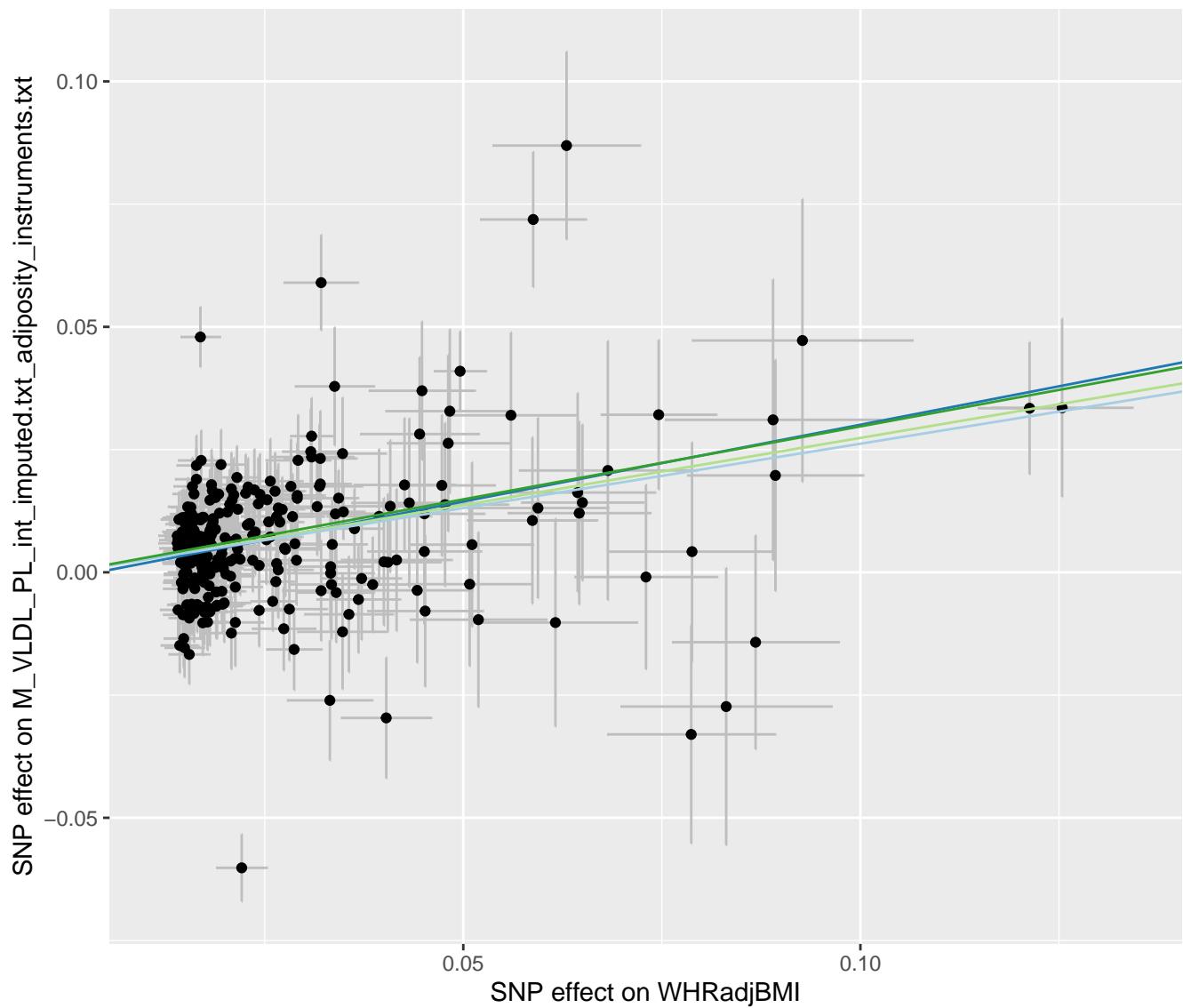
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



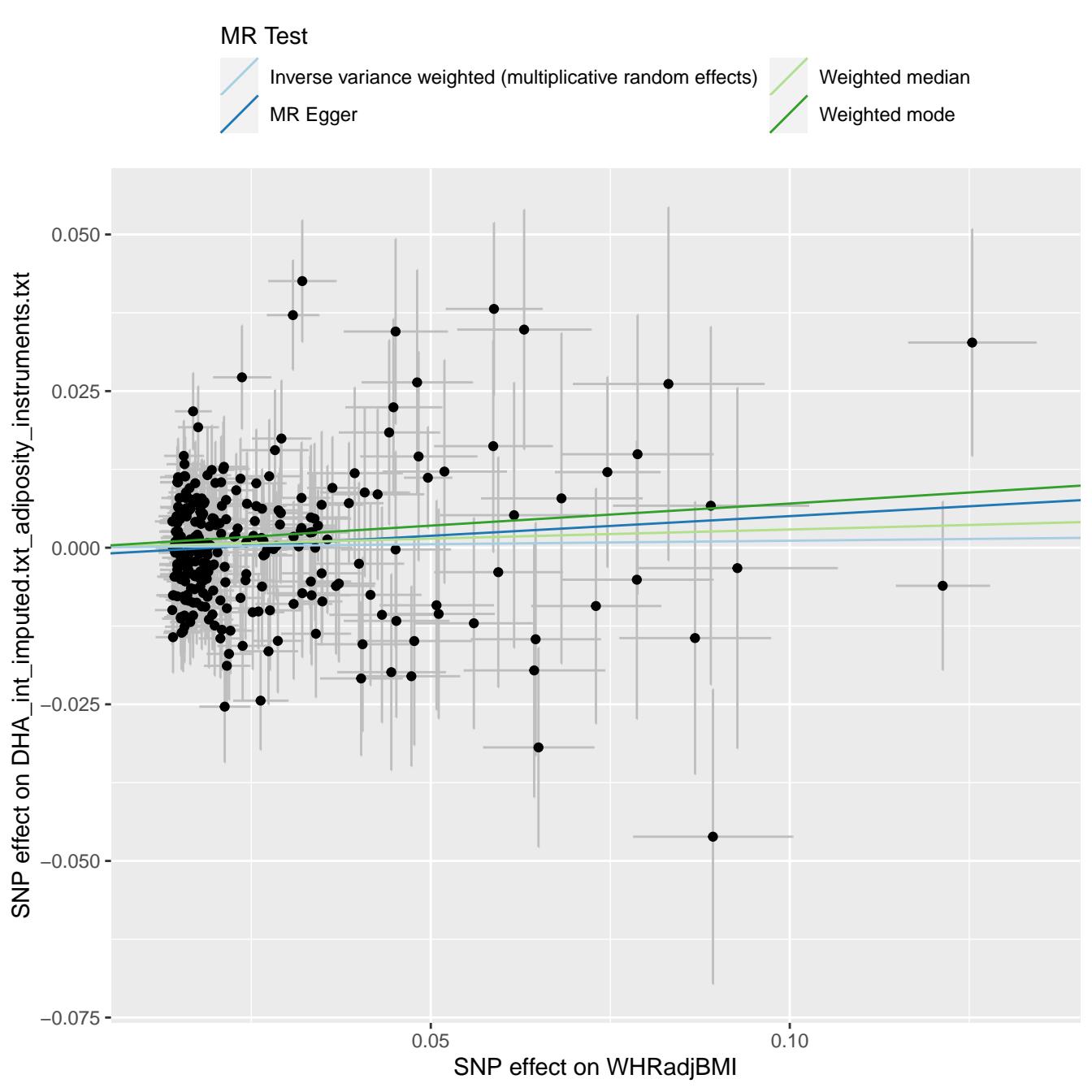
Weighted mode

SNP effect on DHA\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI

0.05  
0.025  
0  
-0.025  
-0.05  
-0.075

0.05  
0.075  
0.10  
0.125  
0.15



# MR Test



Inverse variance weighted (multiplicative random effects)



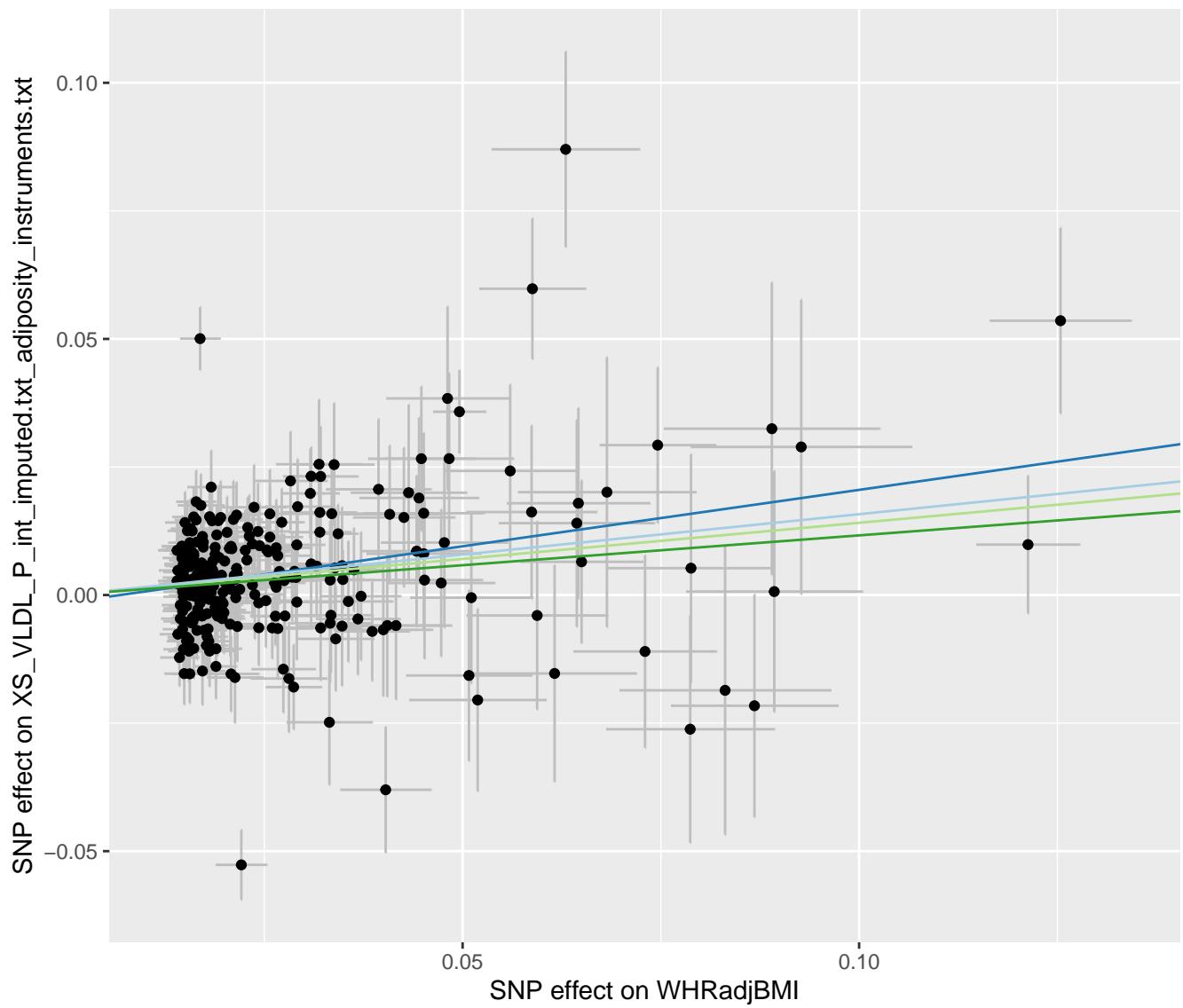
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



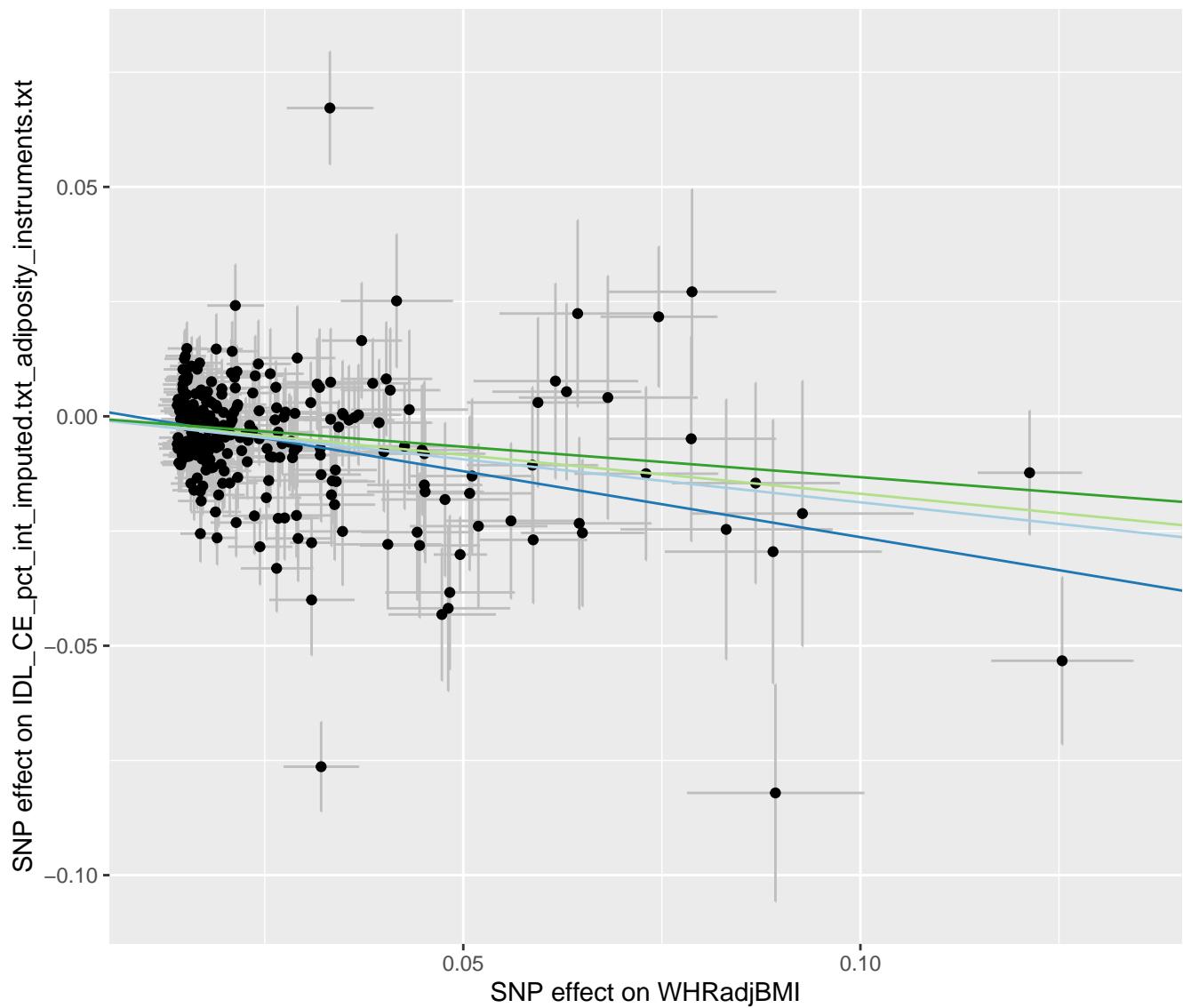
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



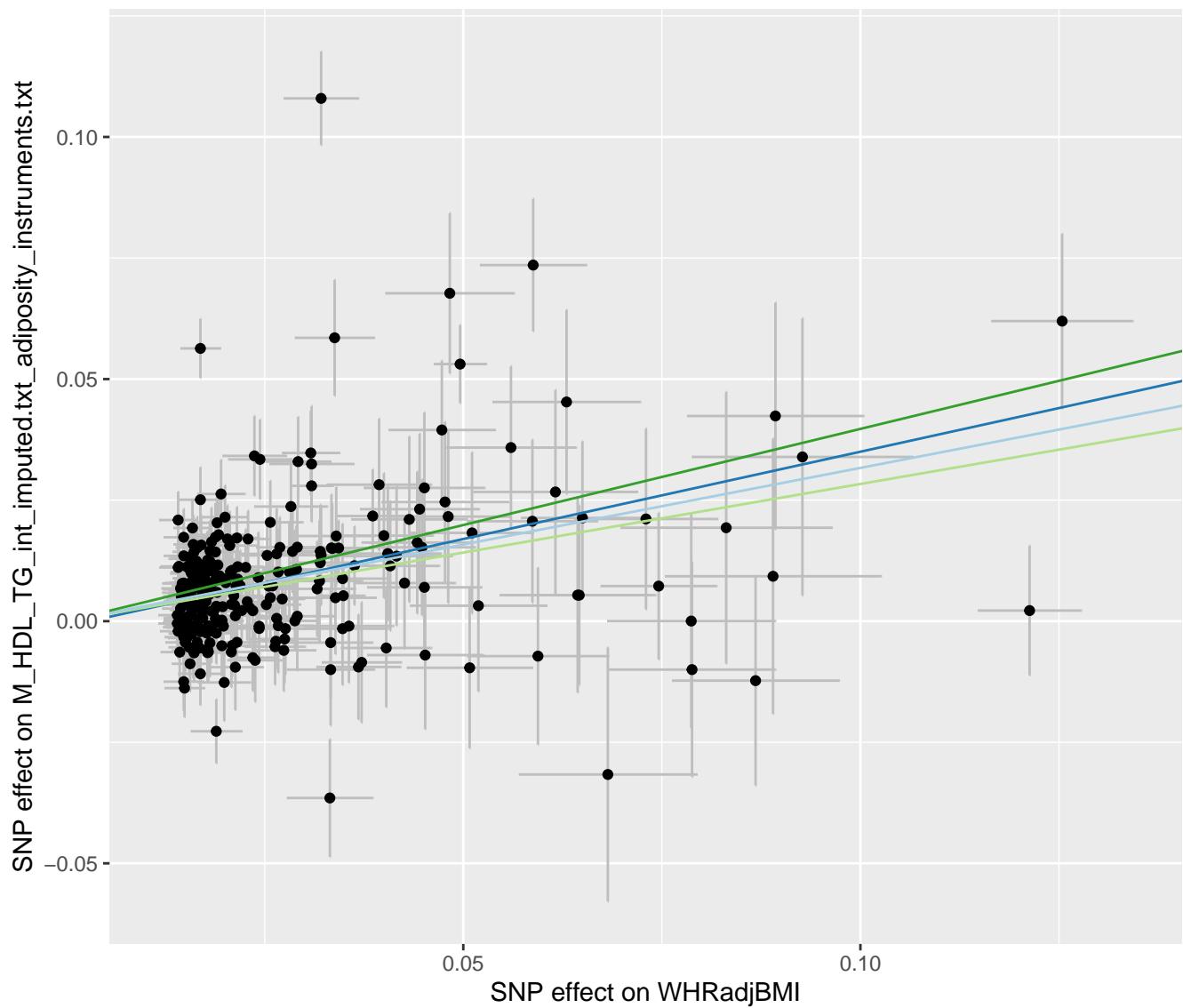
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



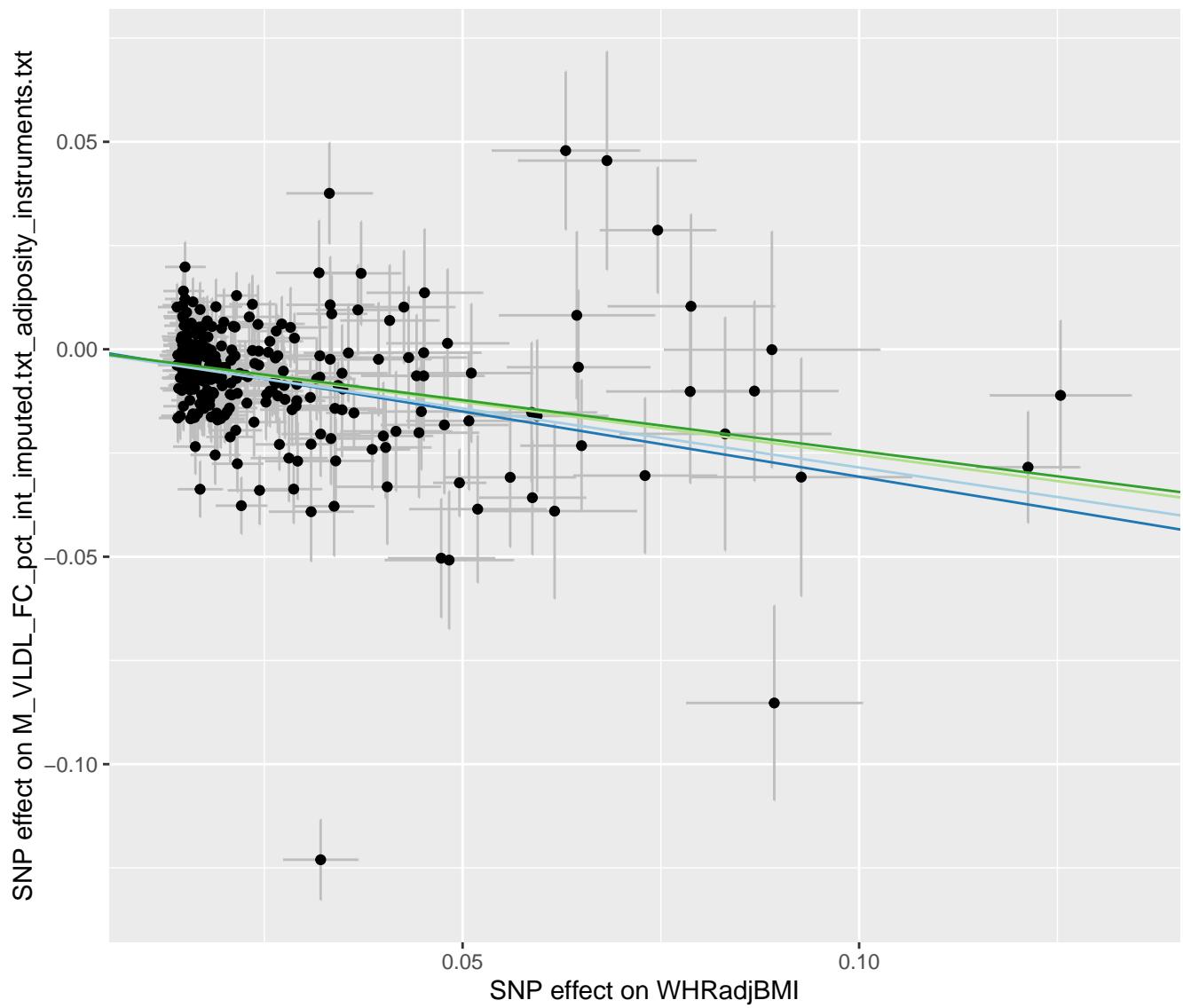
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



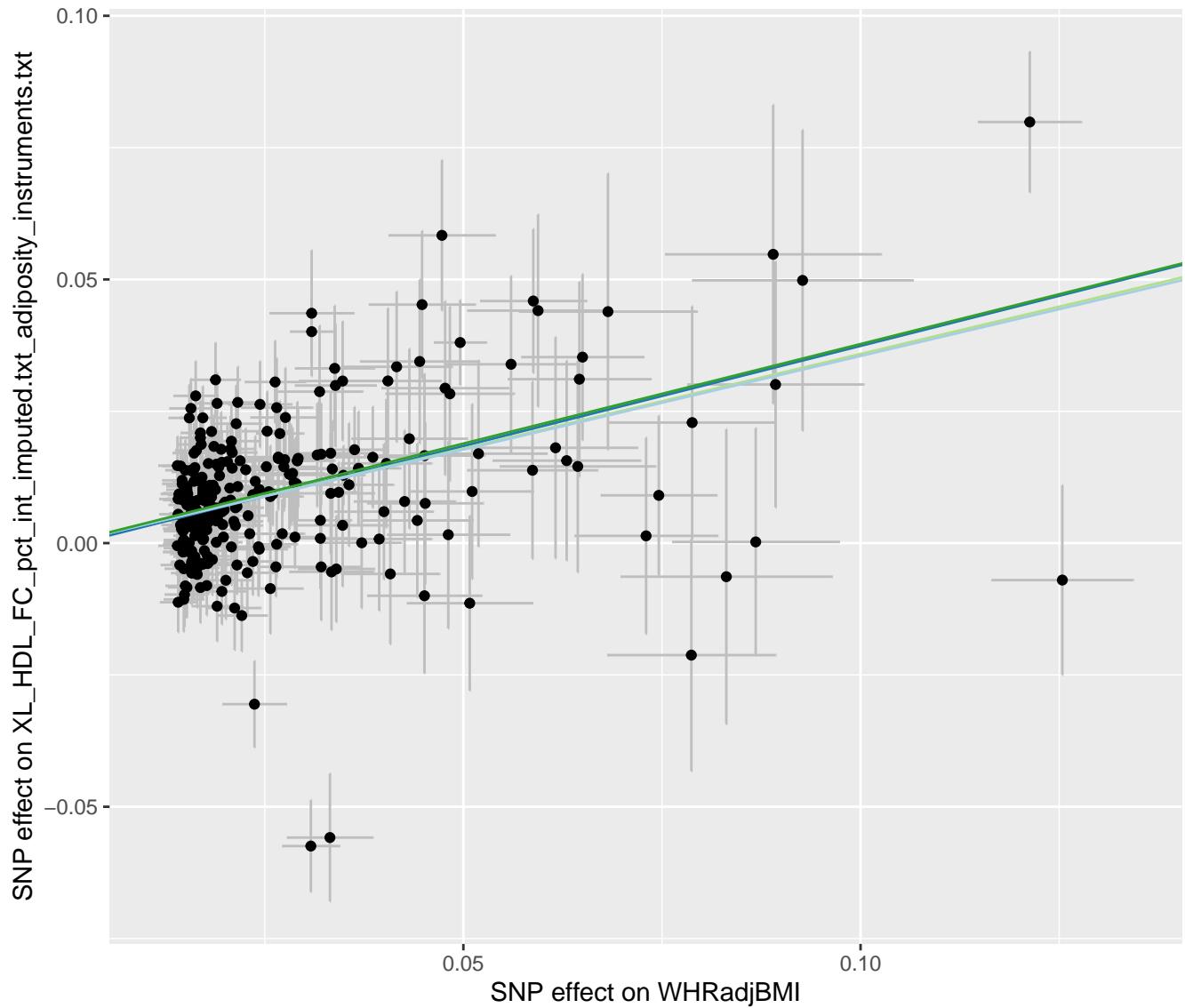
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

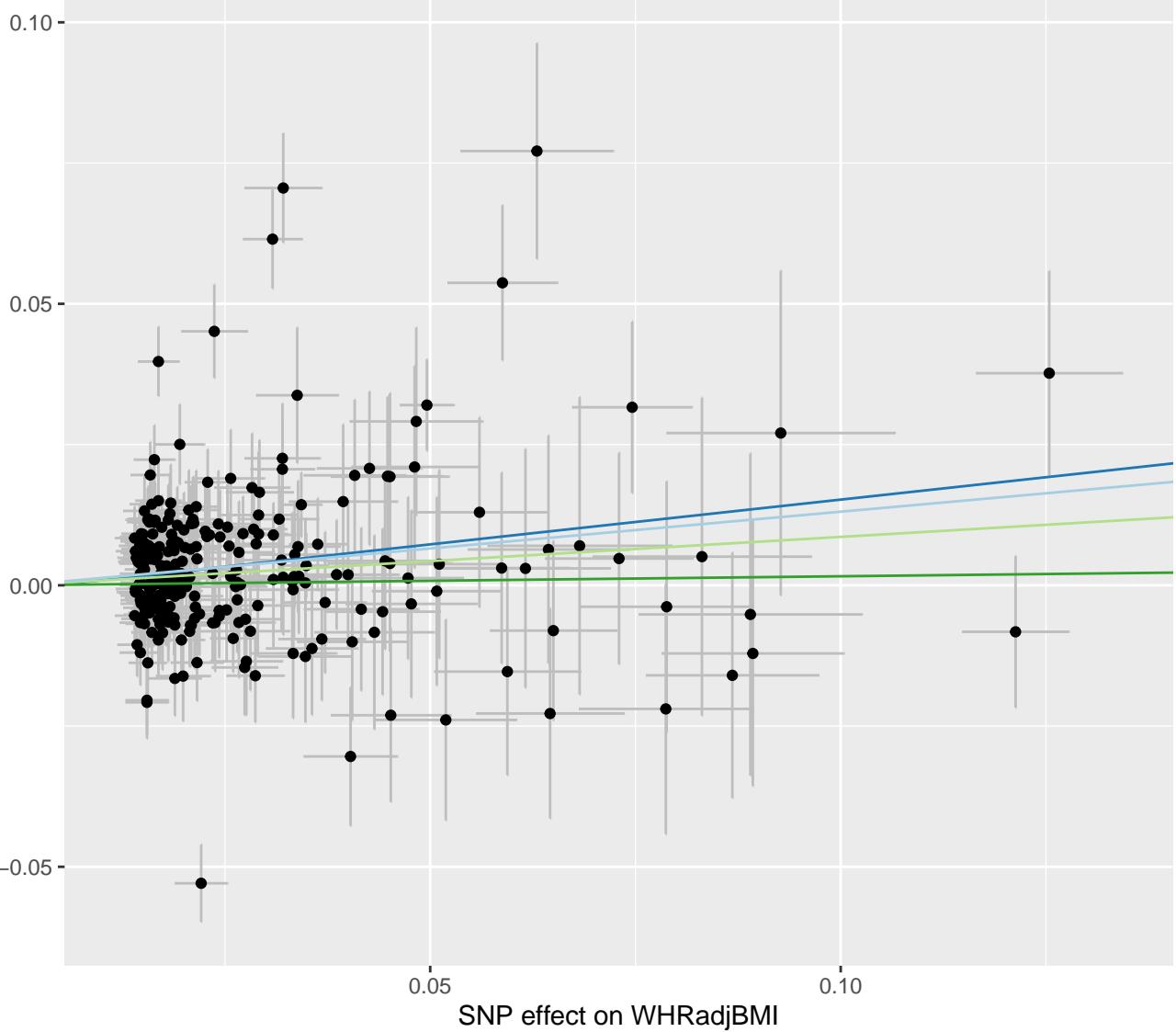


Weighted median



Weighted mode

SNP effect on PUFA\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

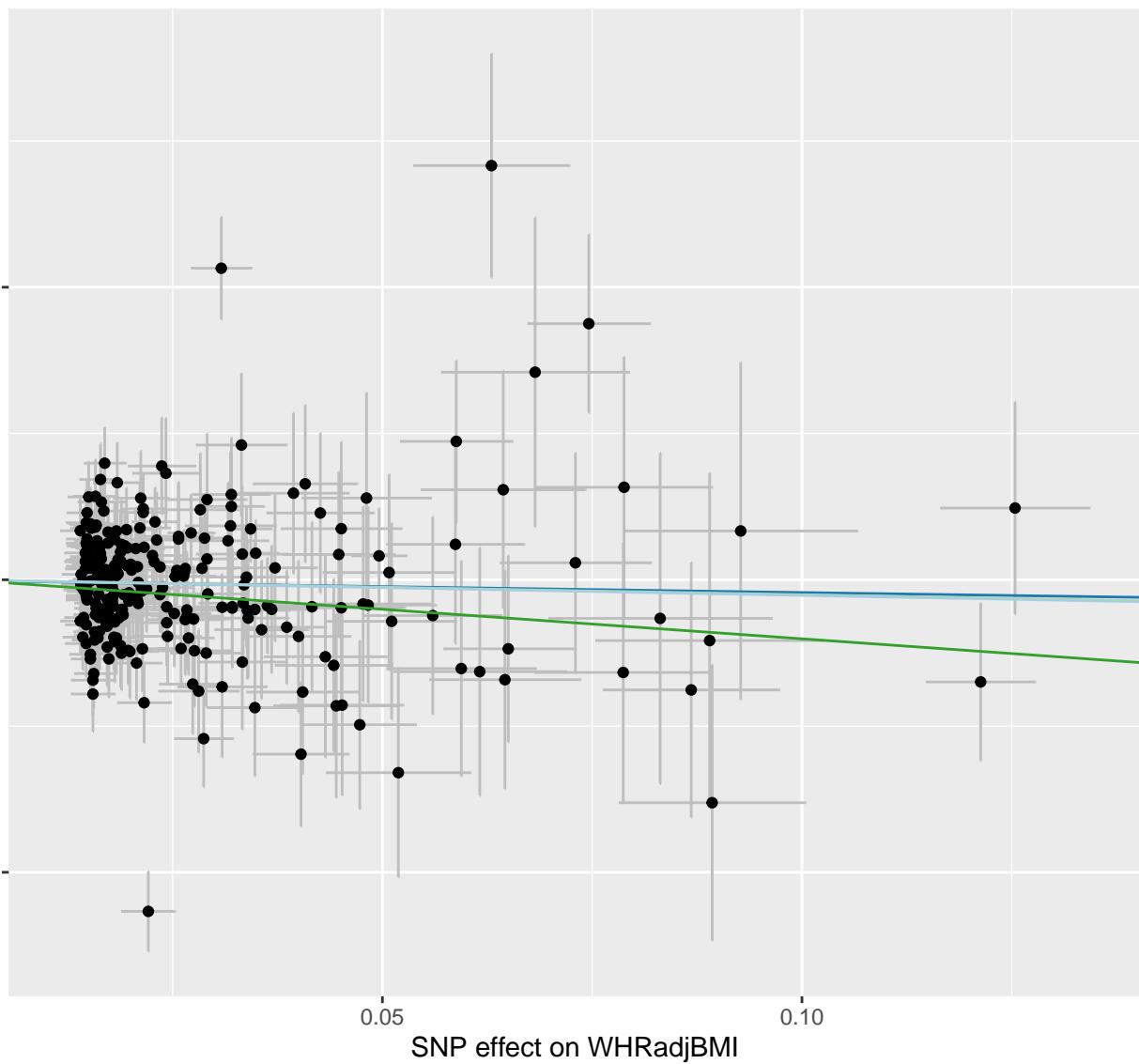


Weighted median



Weighted mode

SNP effect on Total\_CE\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



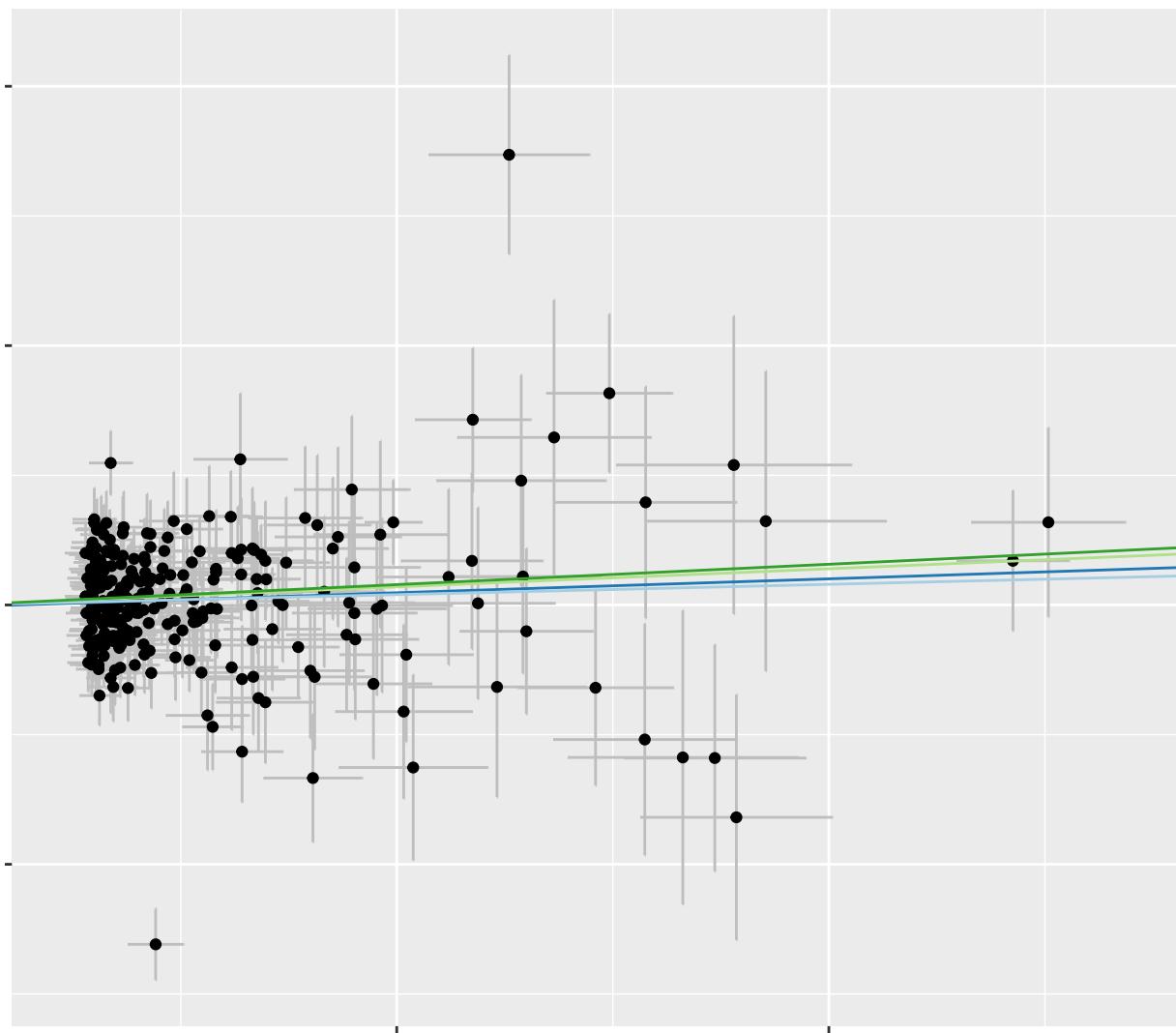
Weighted median



Weighted mode

SNP effect on IDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



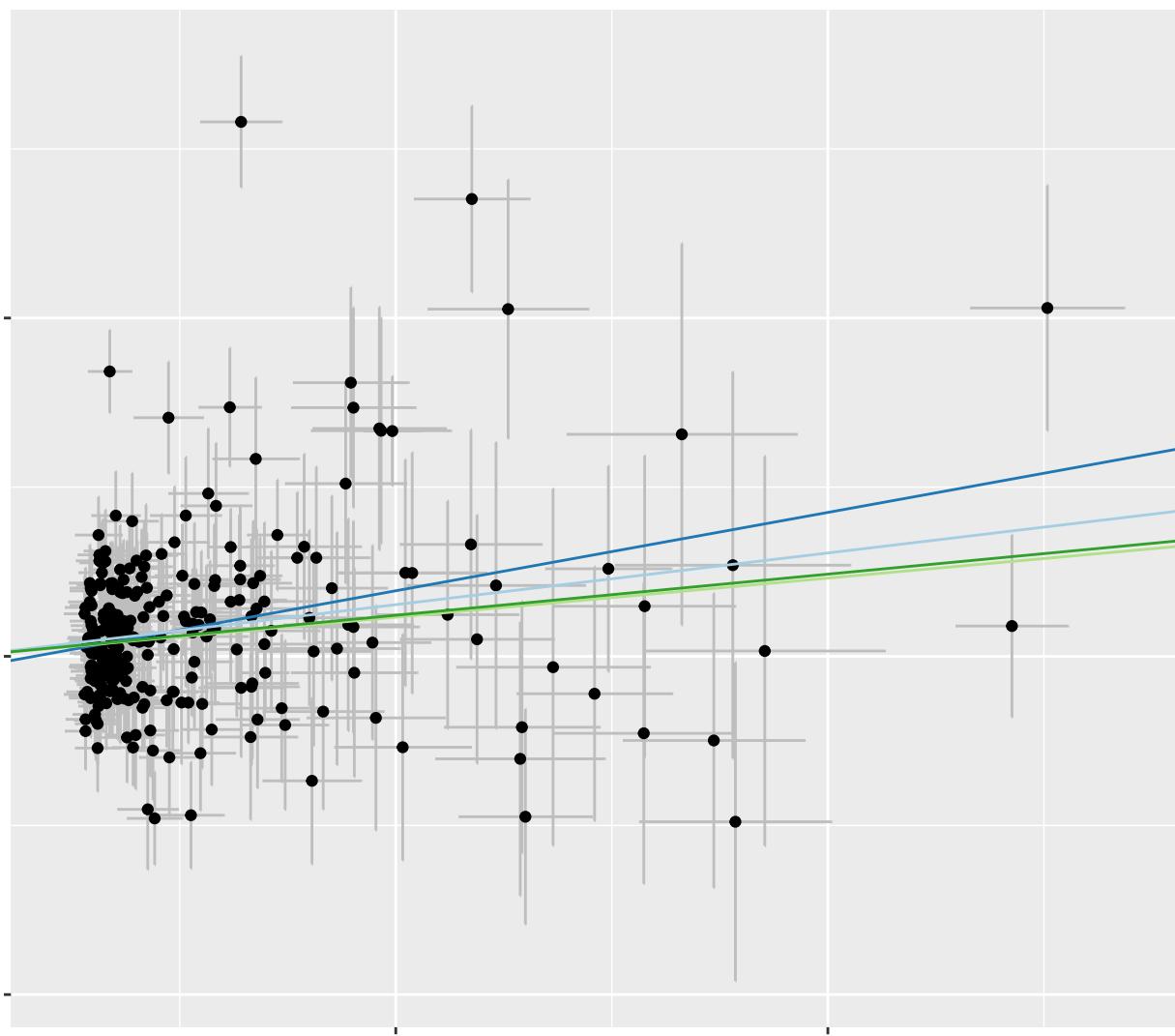
Weighted median



Weighted mode

SNP effect on Omega\_3\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

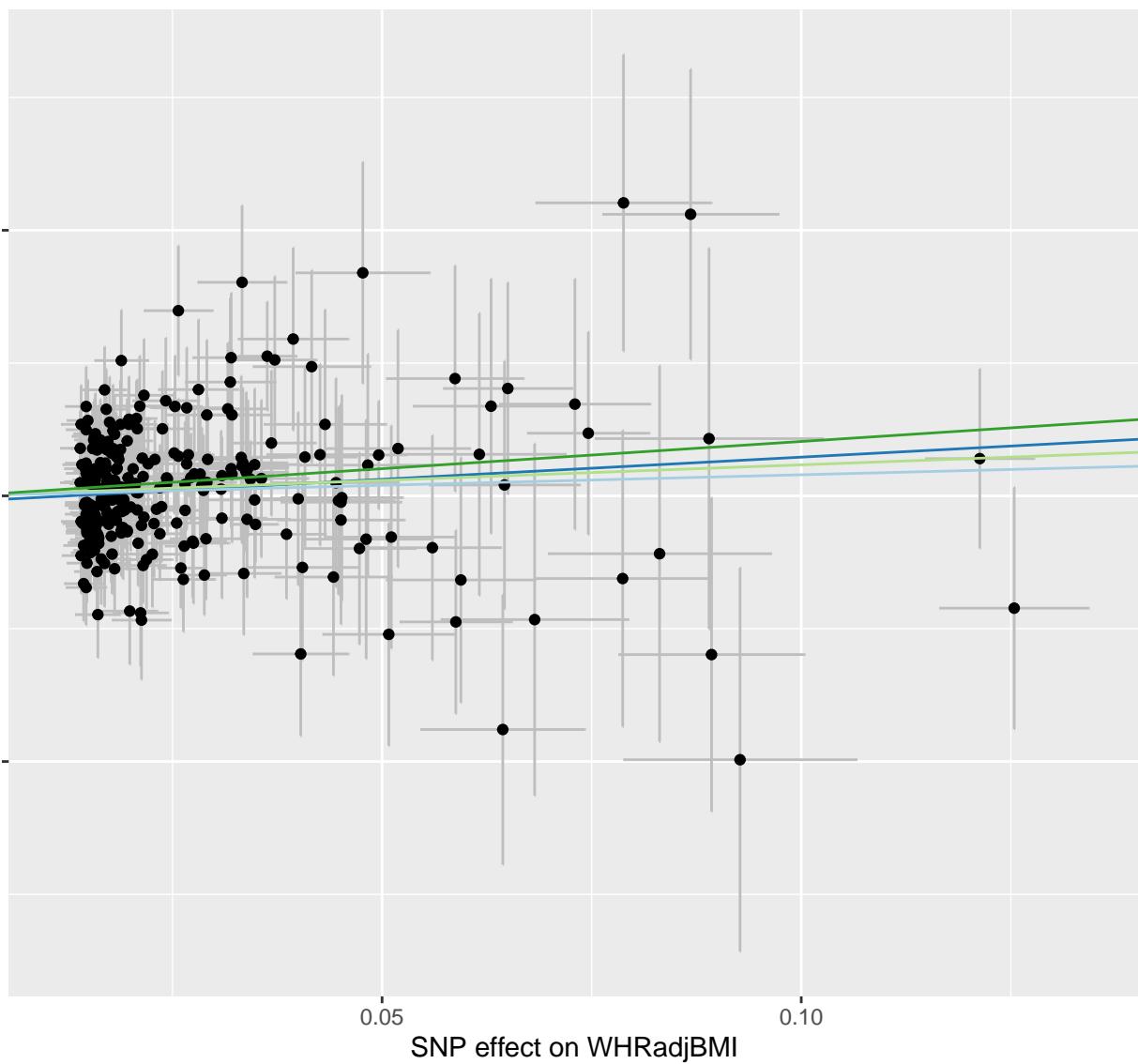


Weighted median



Weighted mode

SNP effect on Phe\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



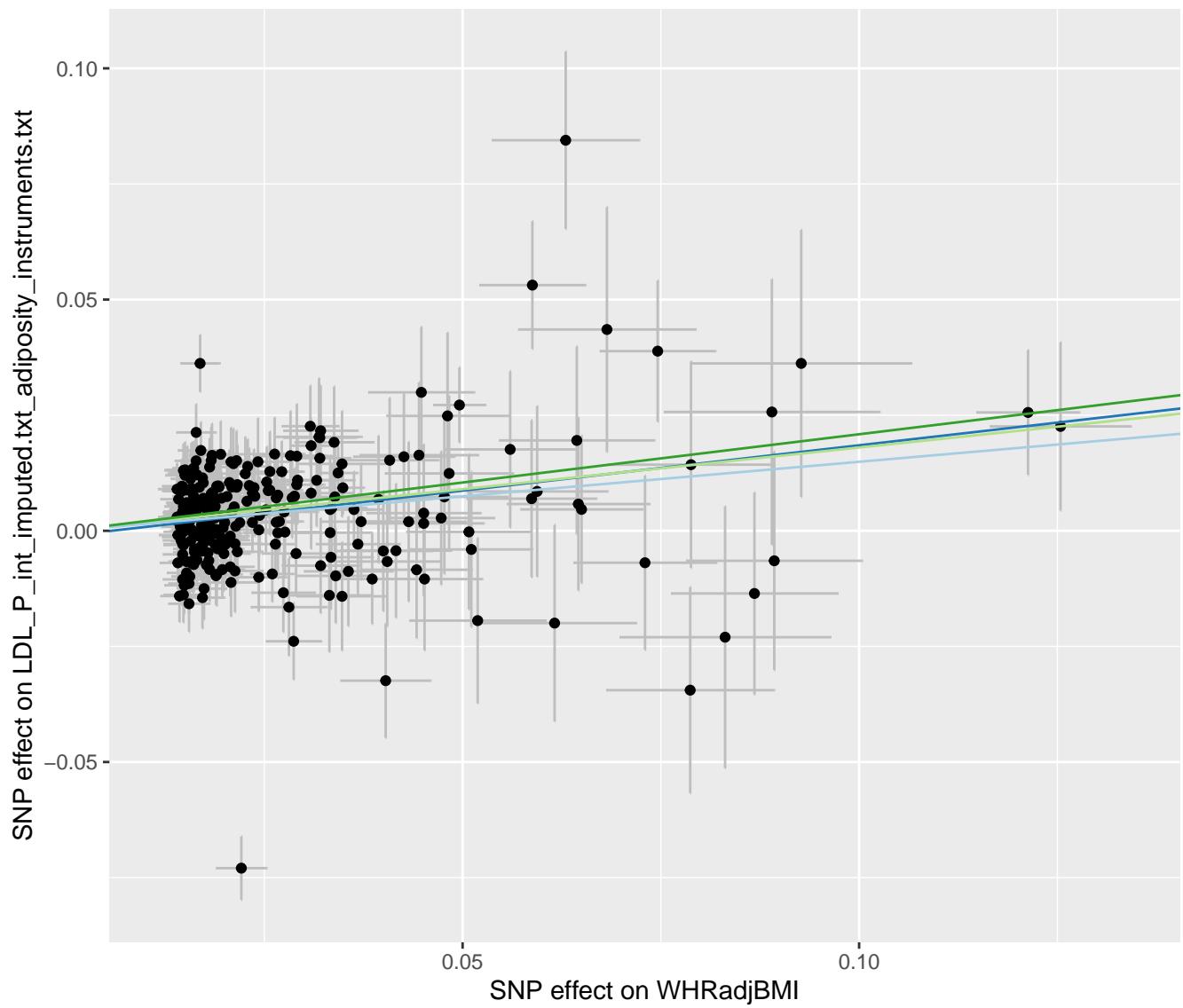
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



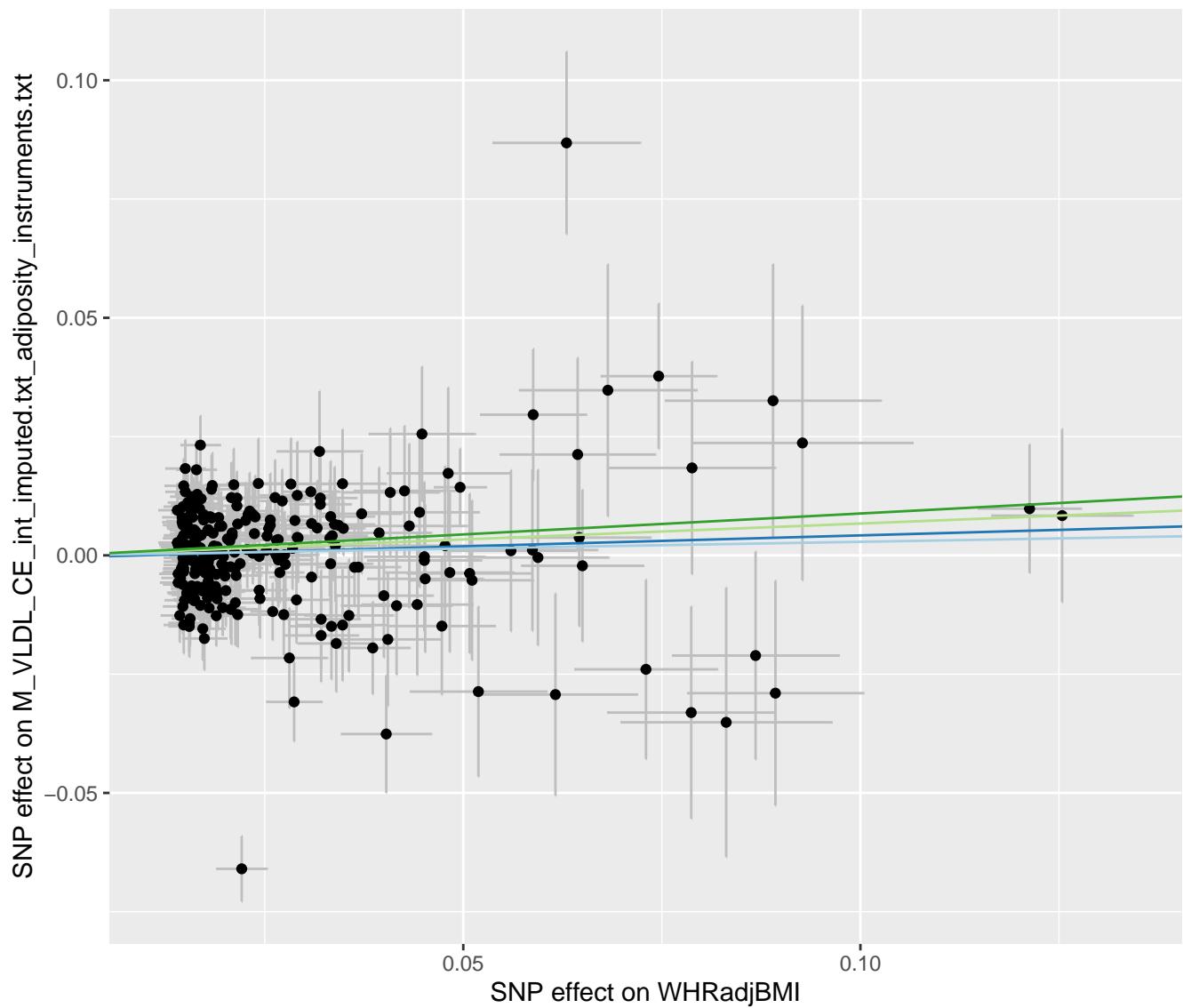
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



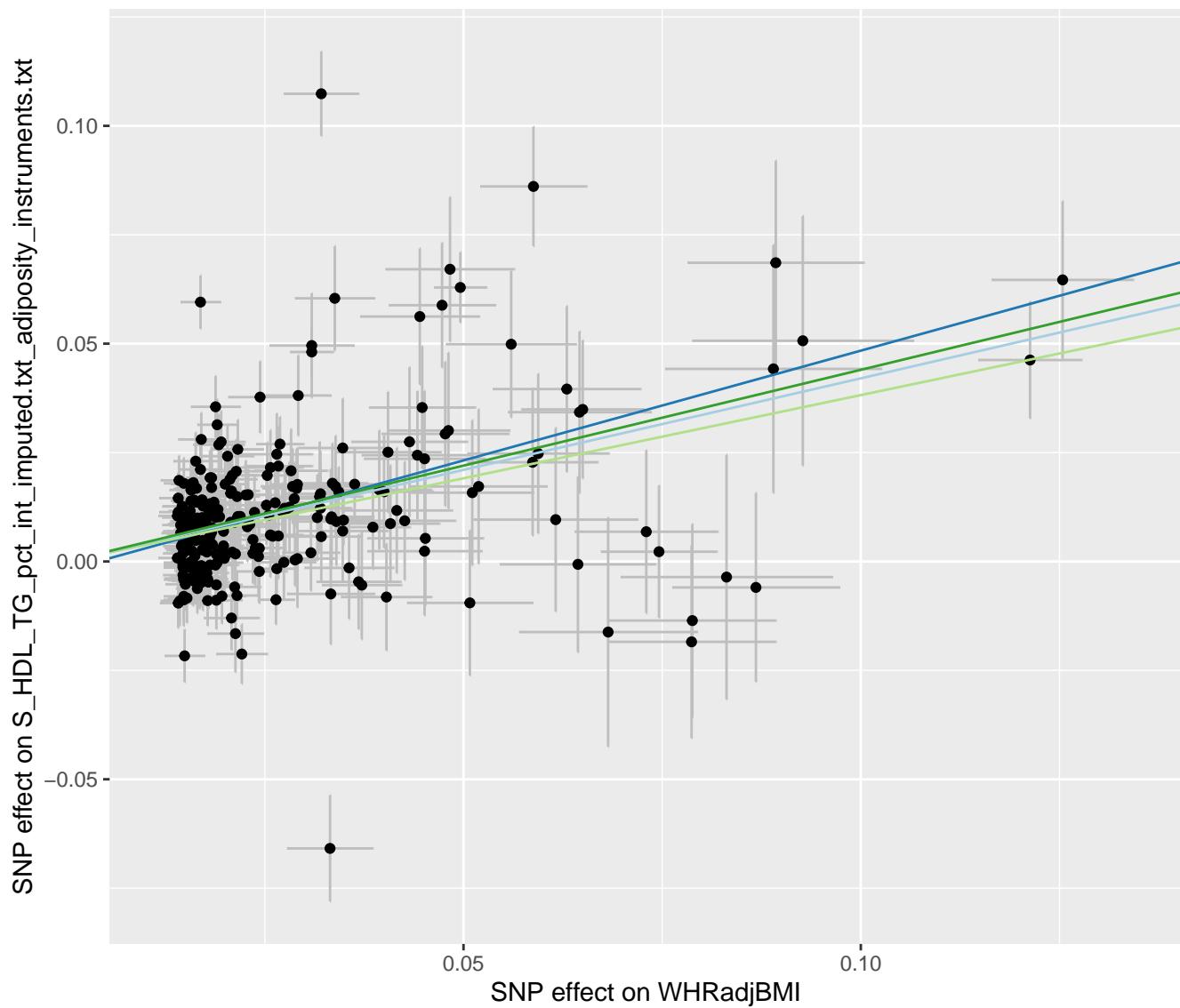
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



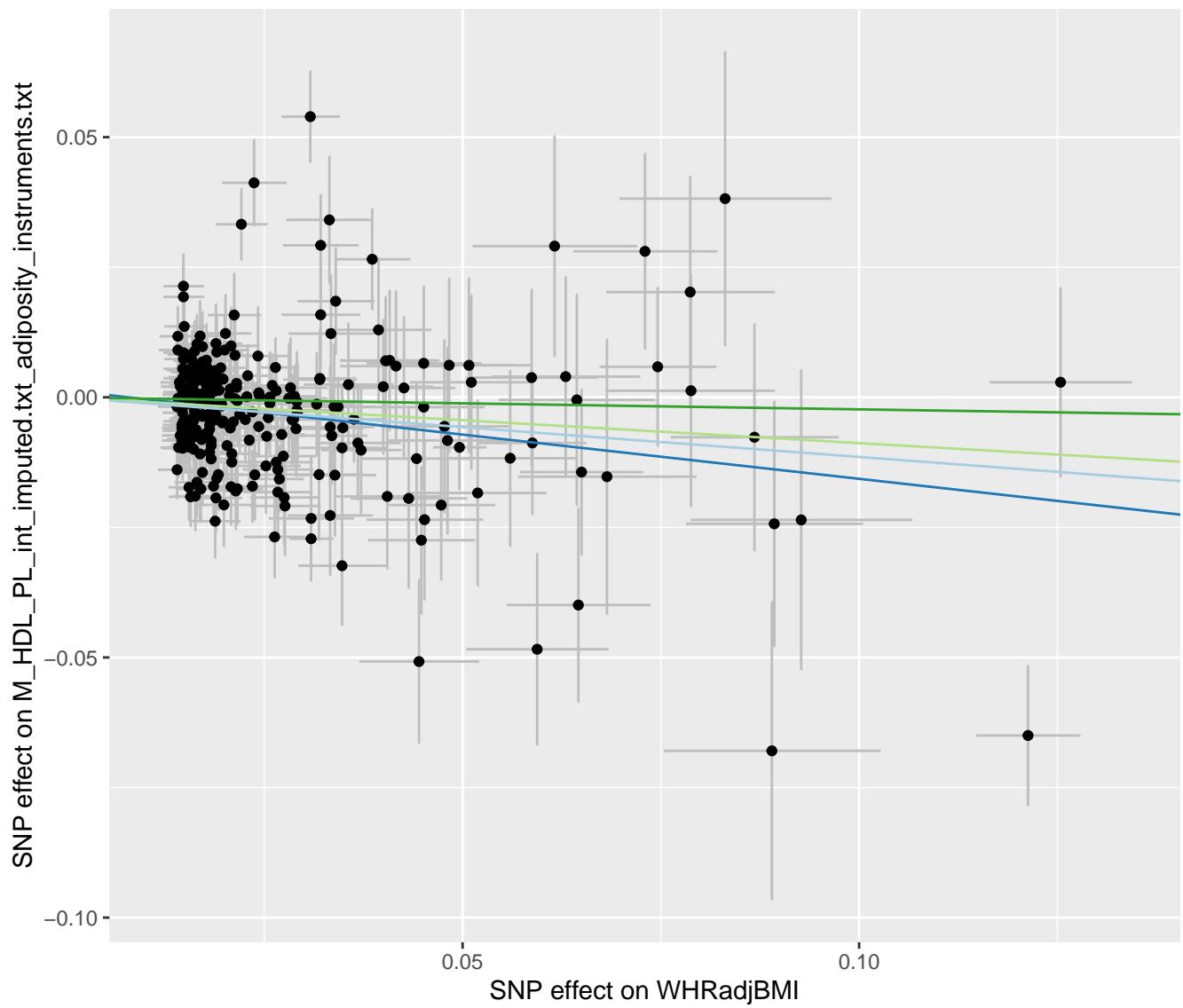
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



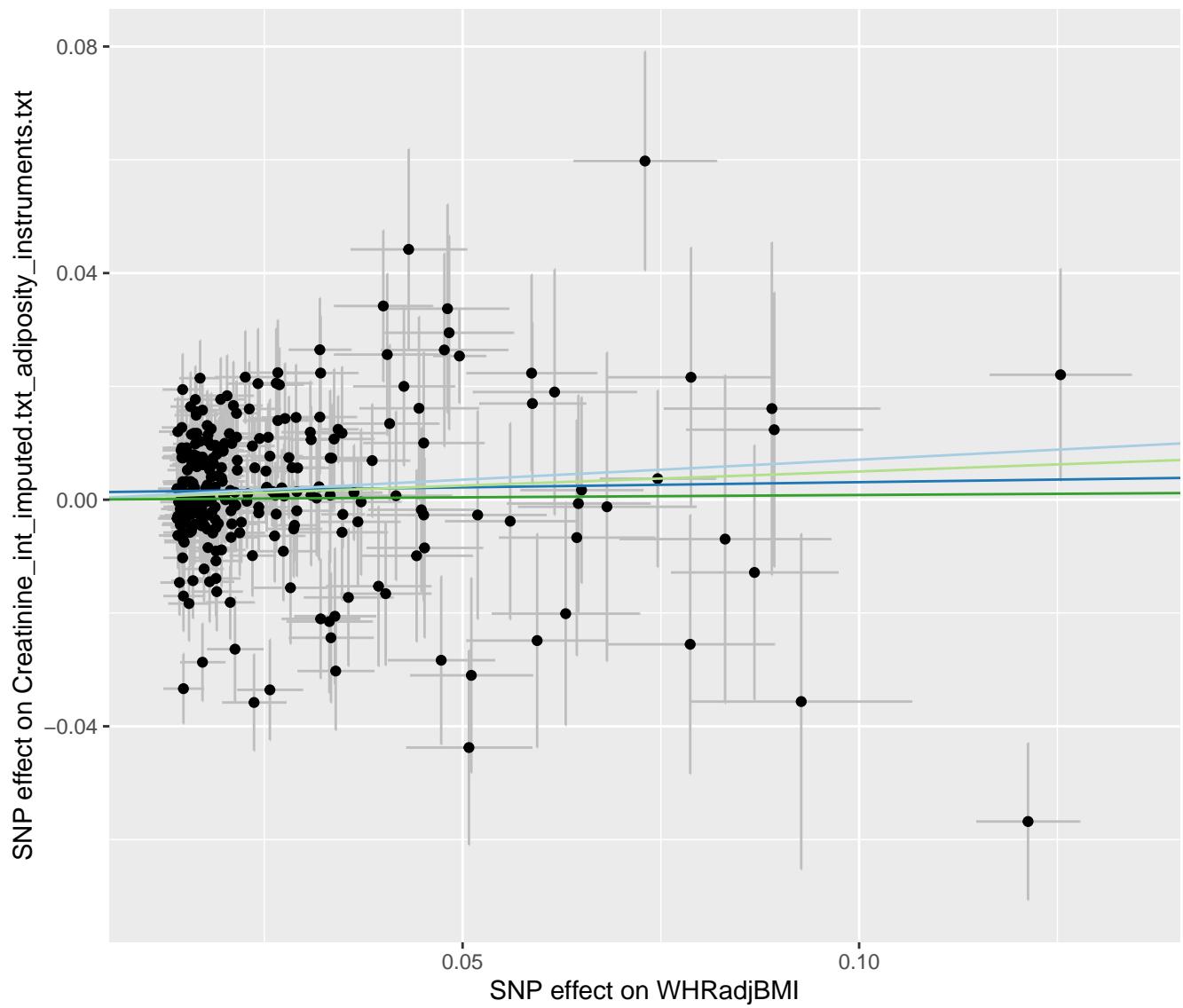
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



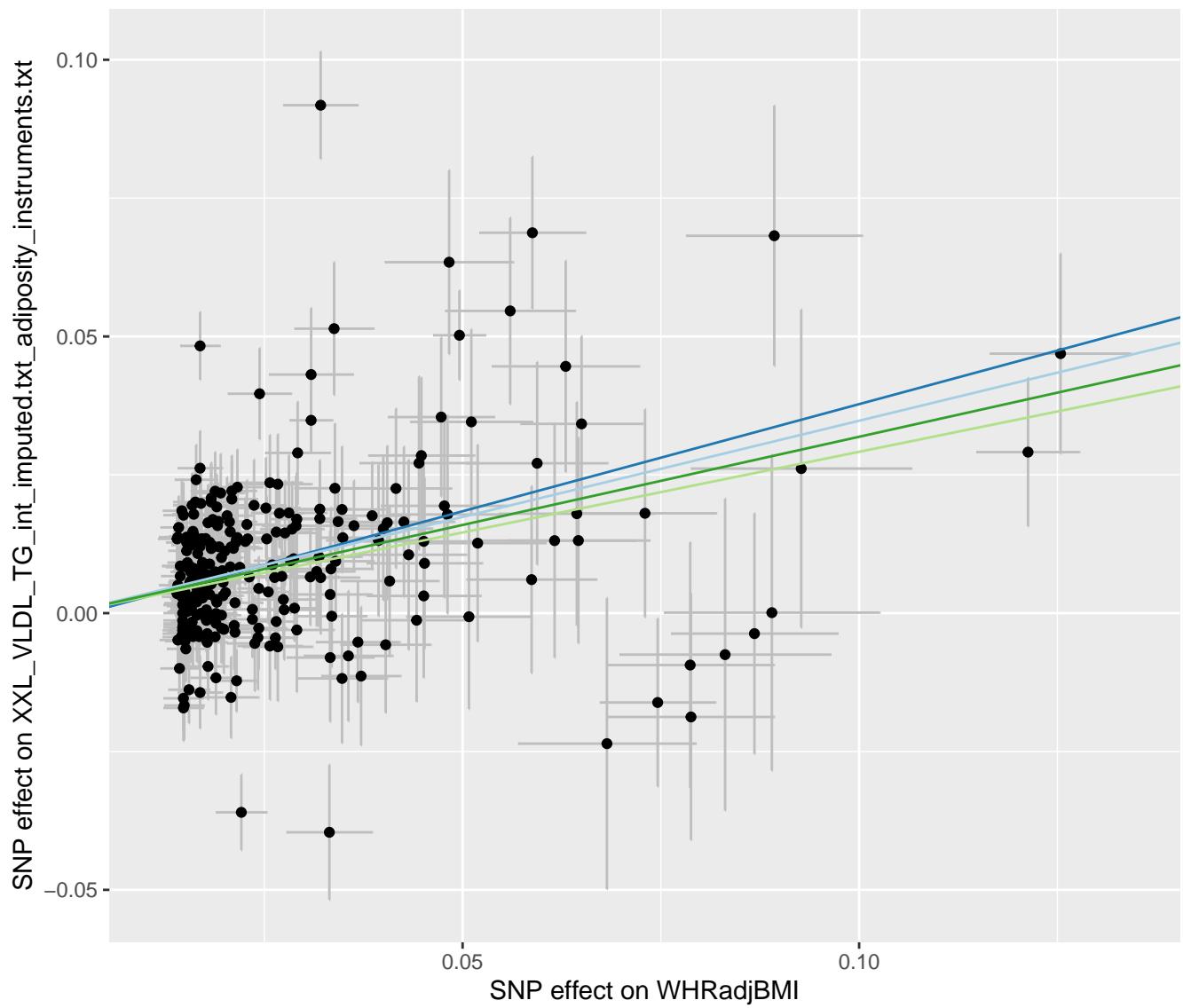
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



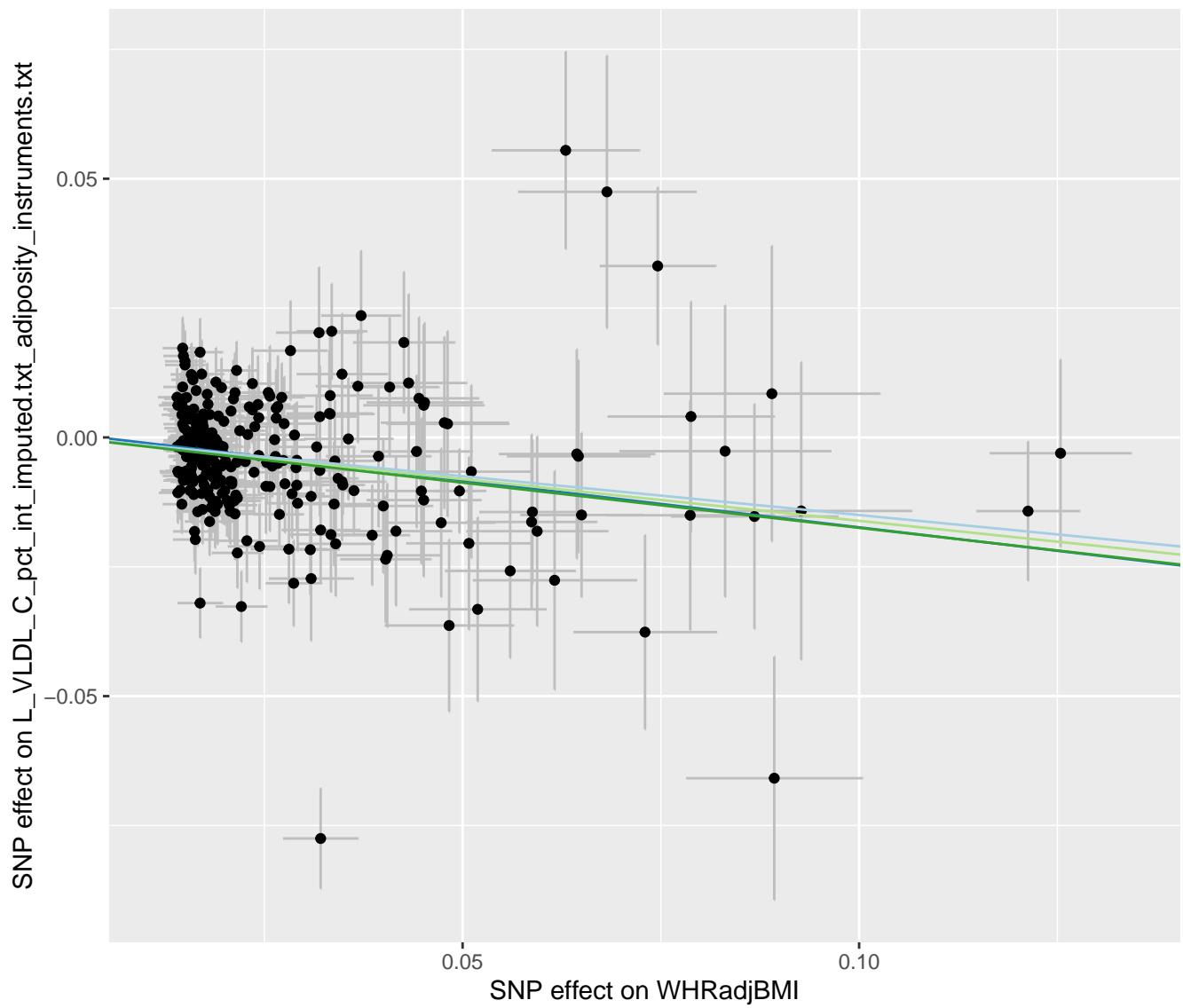
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



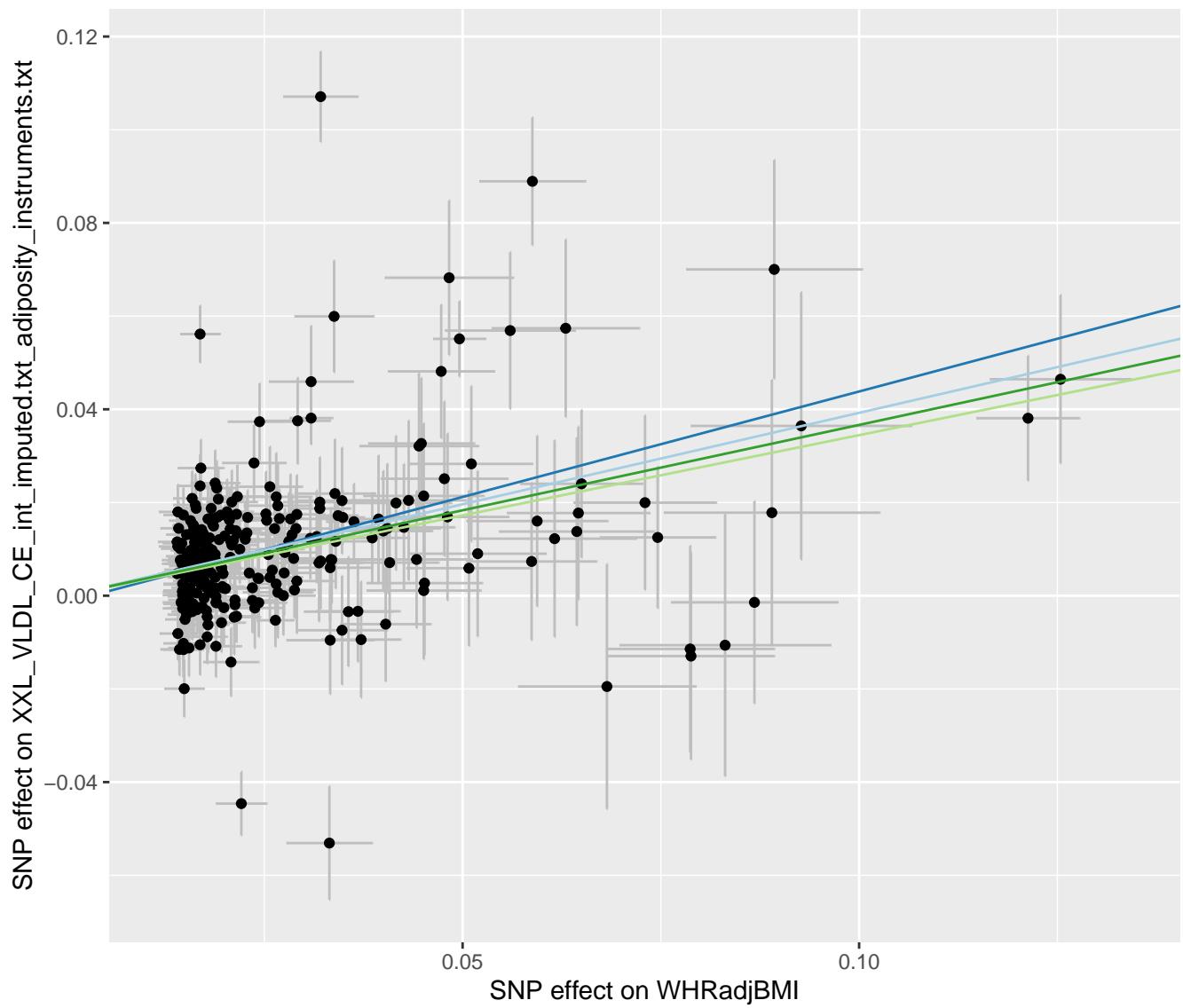
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



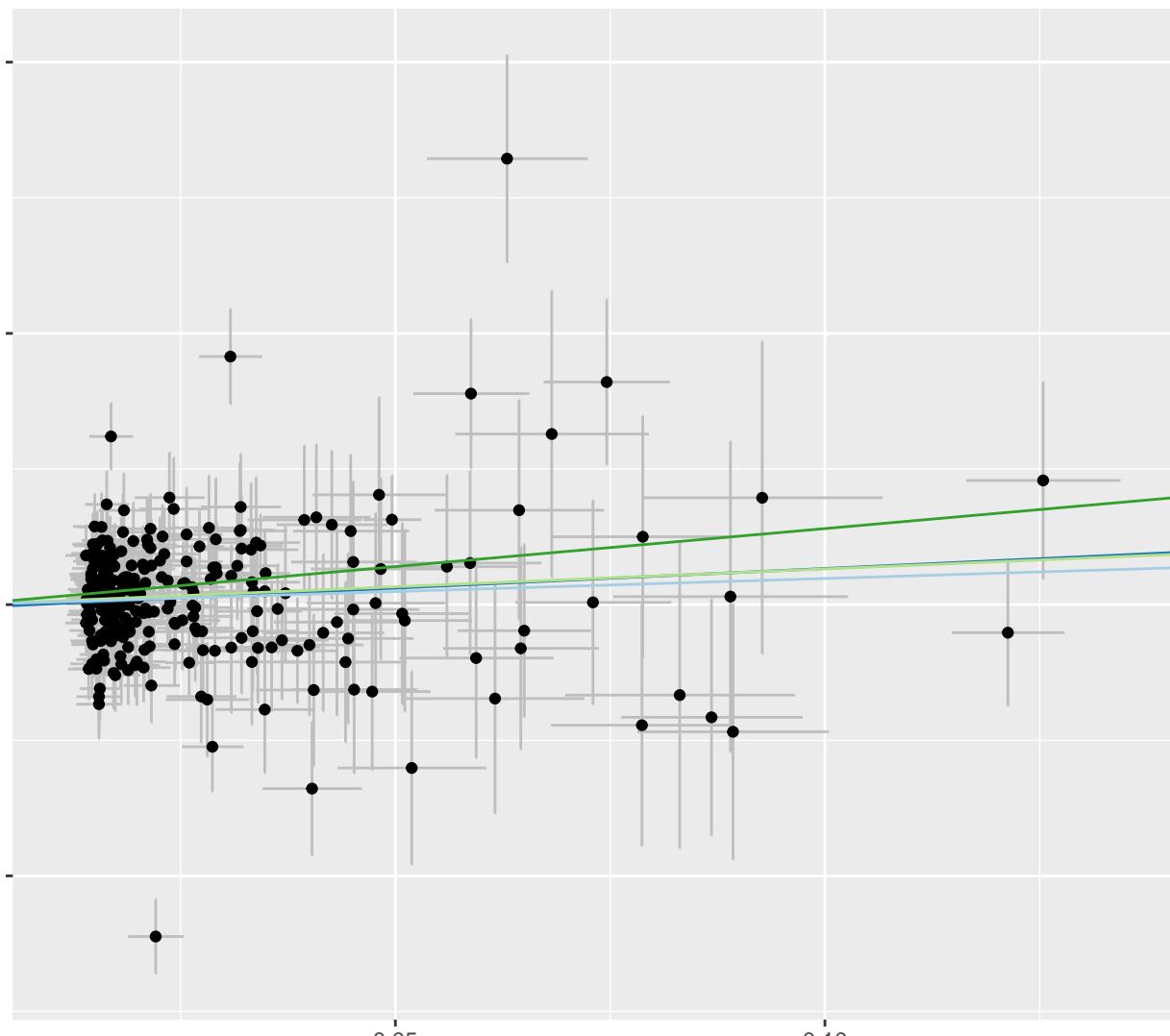
Weighted median



Weighted mode

SNP effect on Total\_FC\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



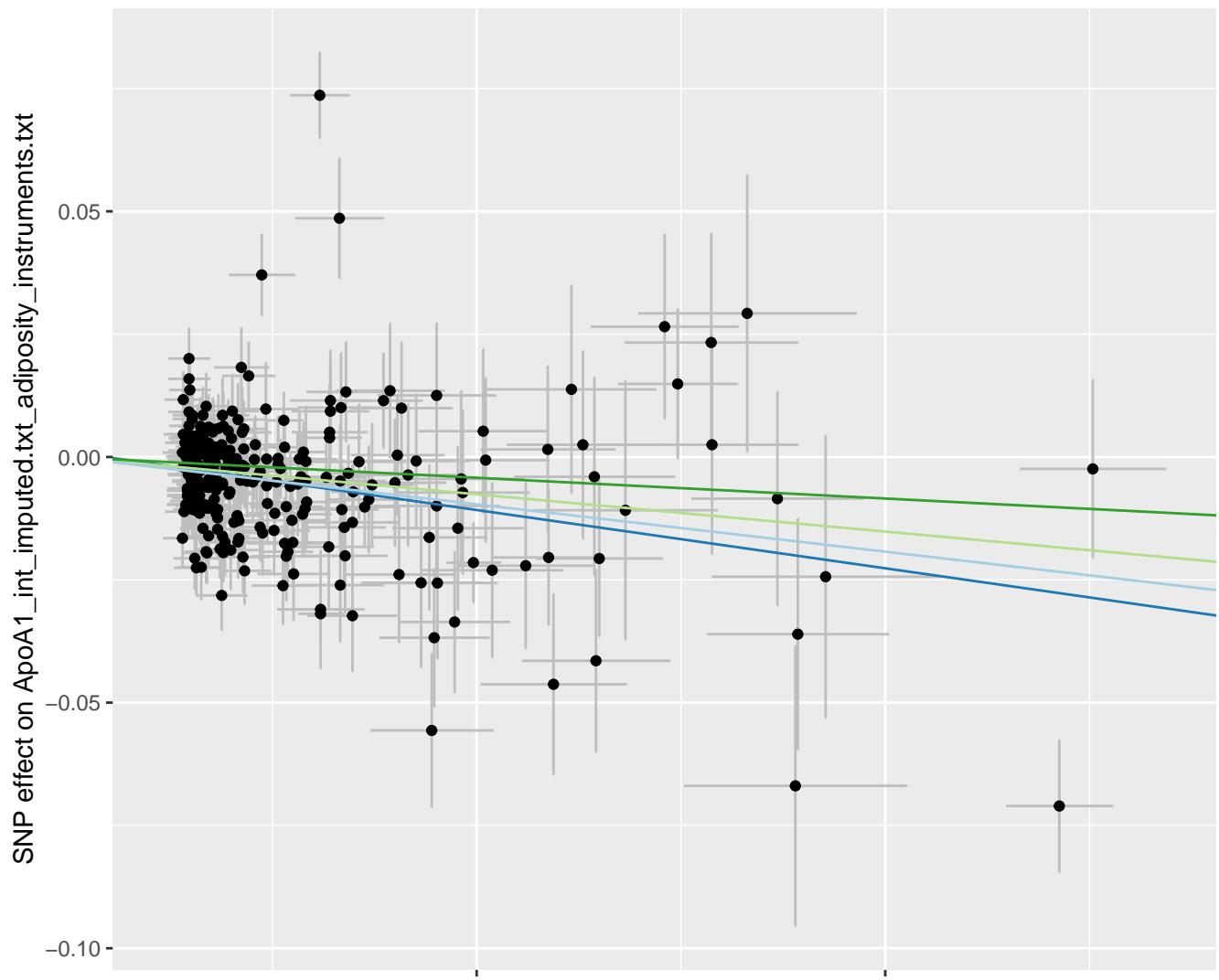
Weighted median



Weighted mode

SNP effect on ApoA1\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



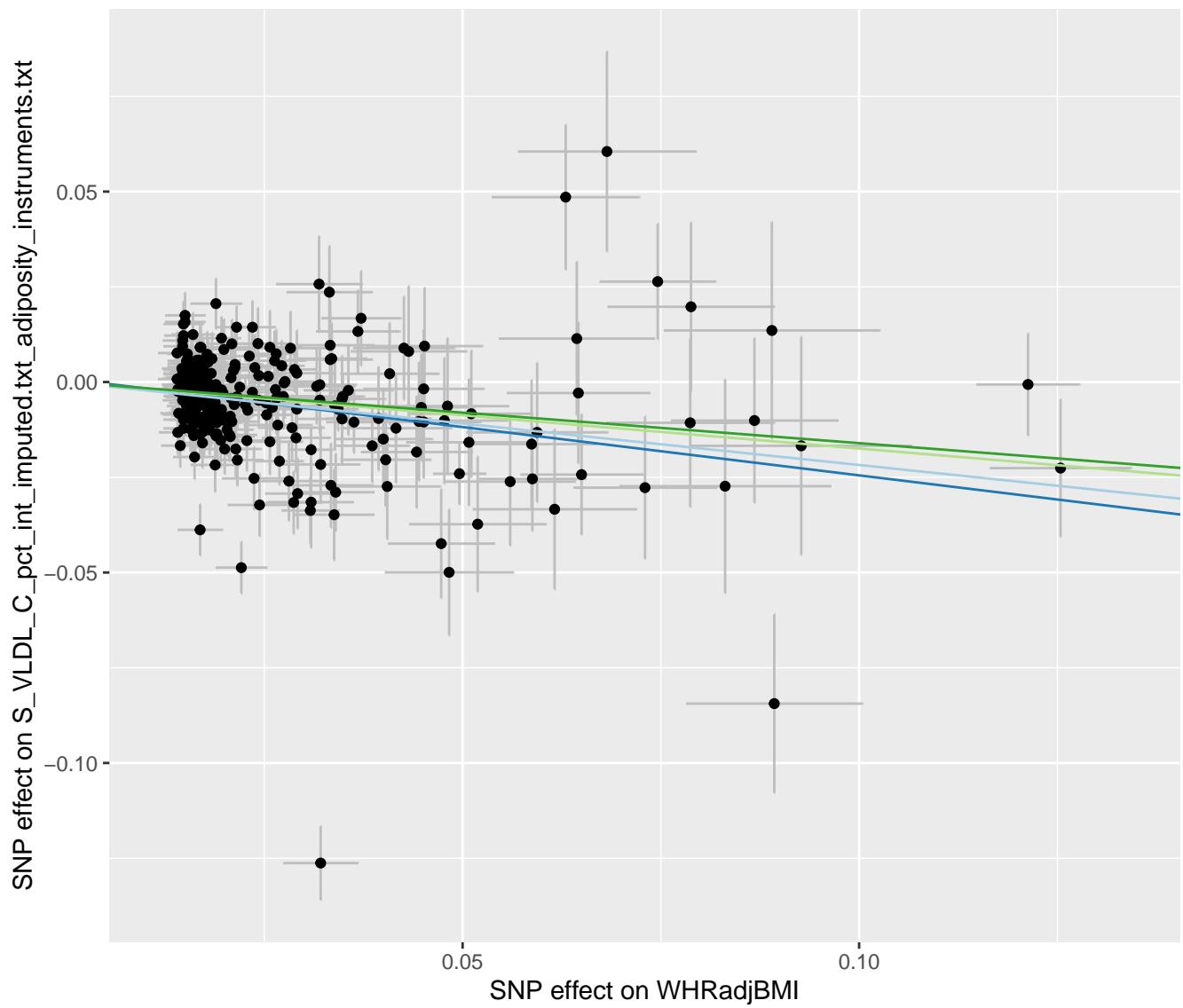
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



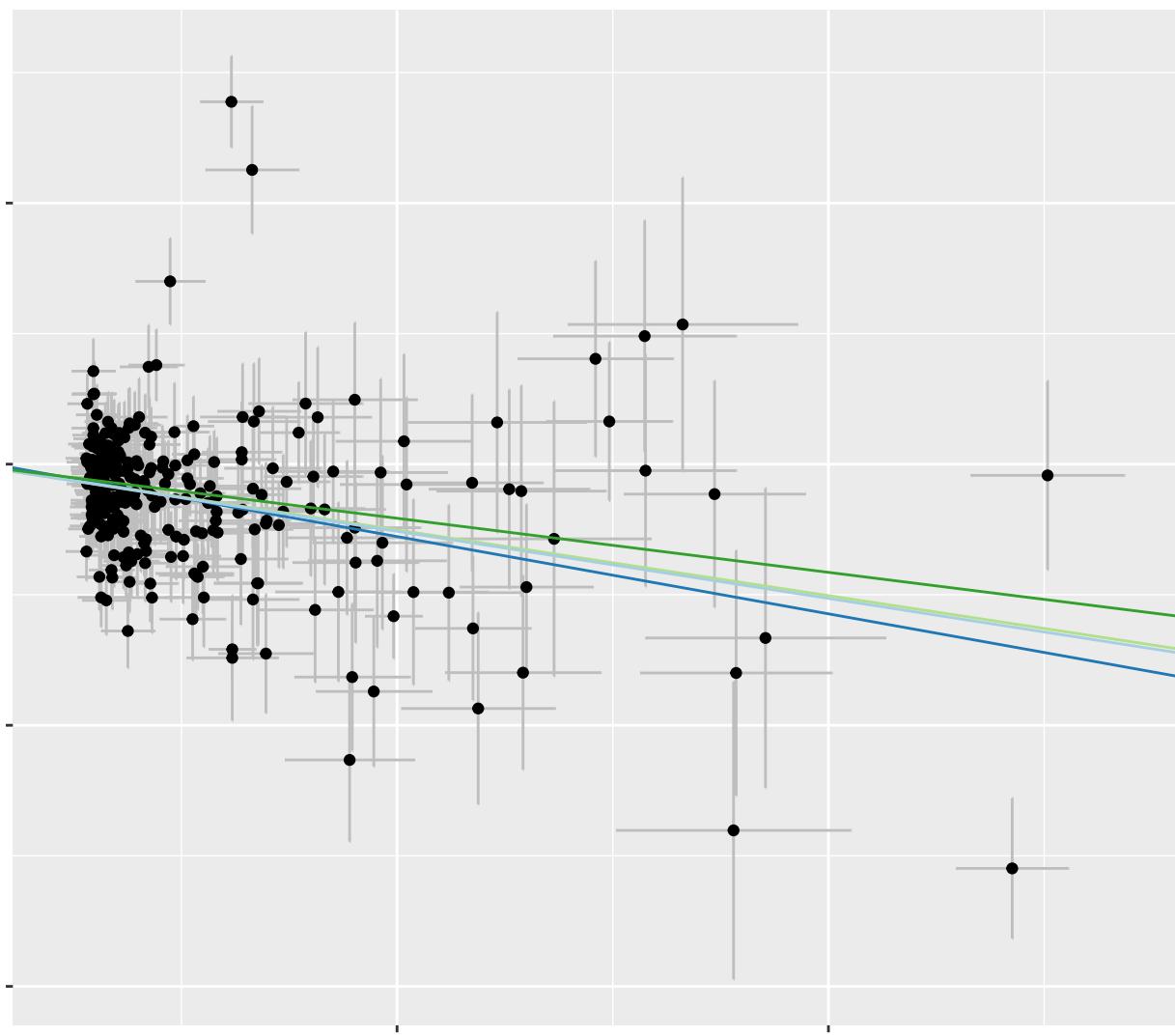
Weighted median



Weighted mode

SNP effect on HDL\_L\_int\_imputed\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



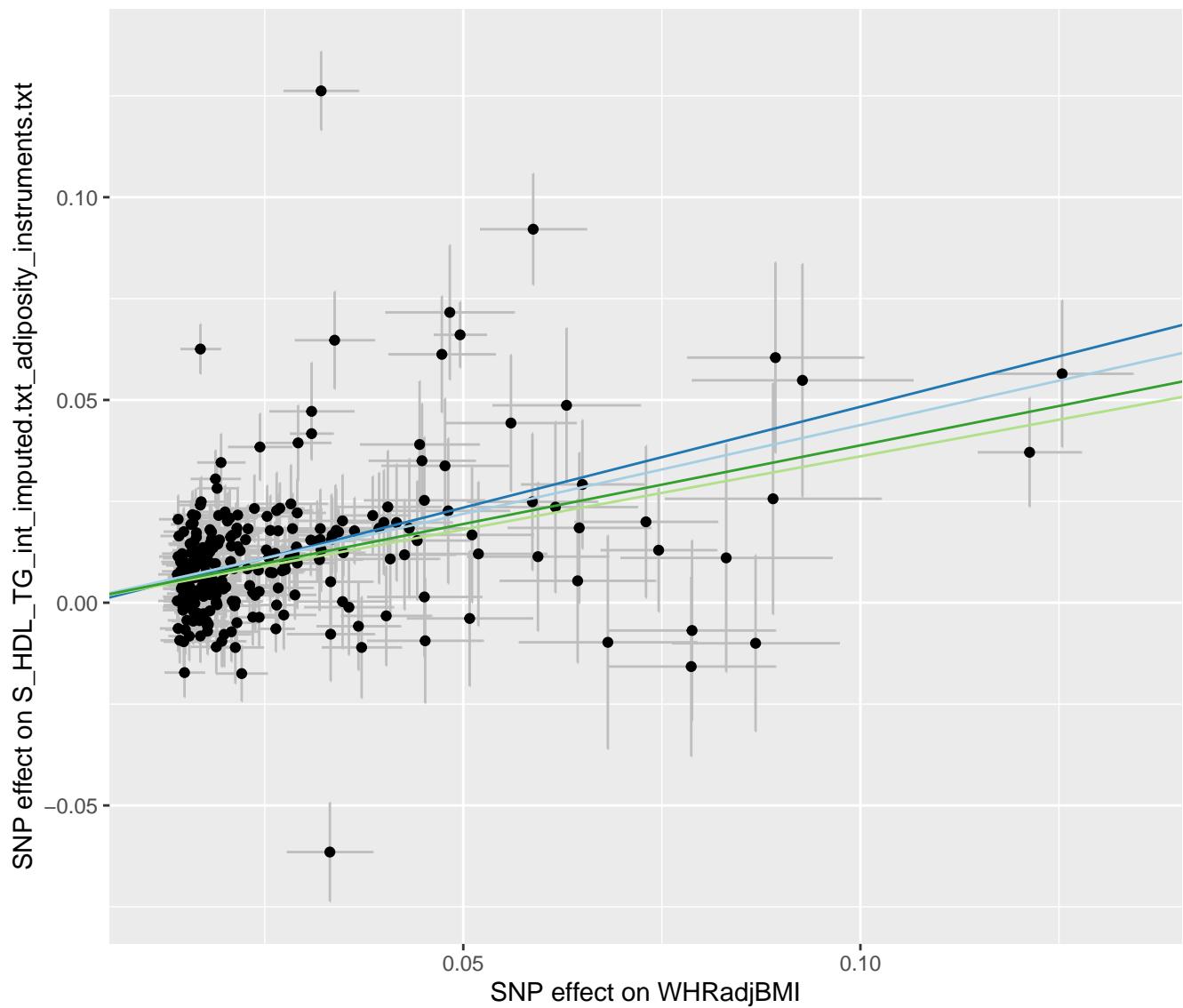
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



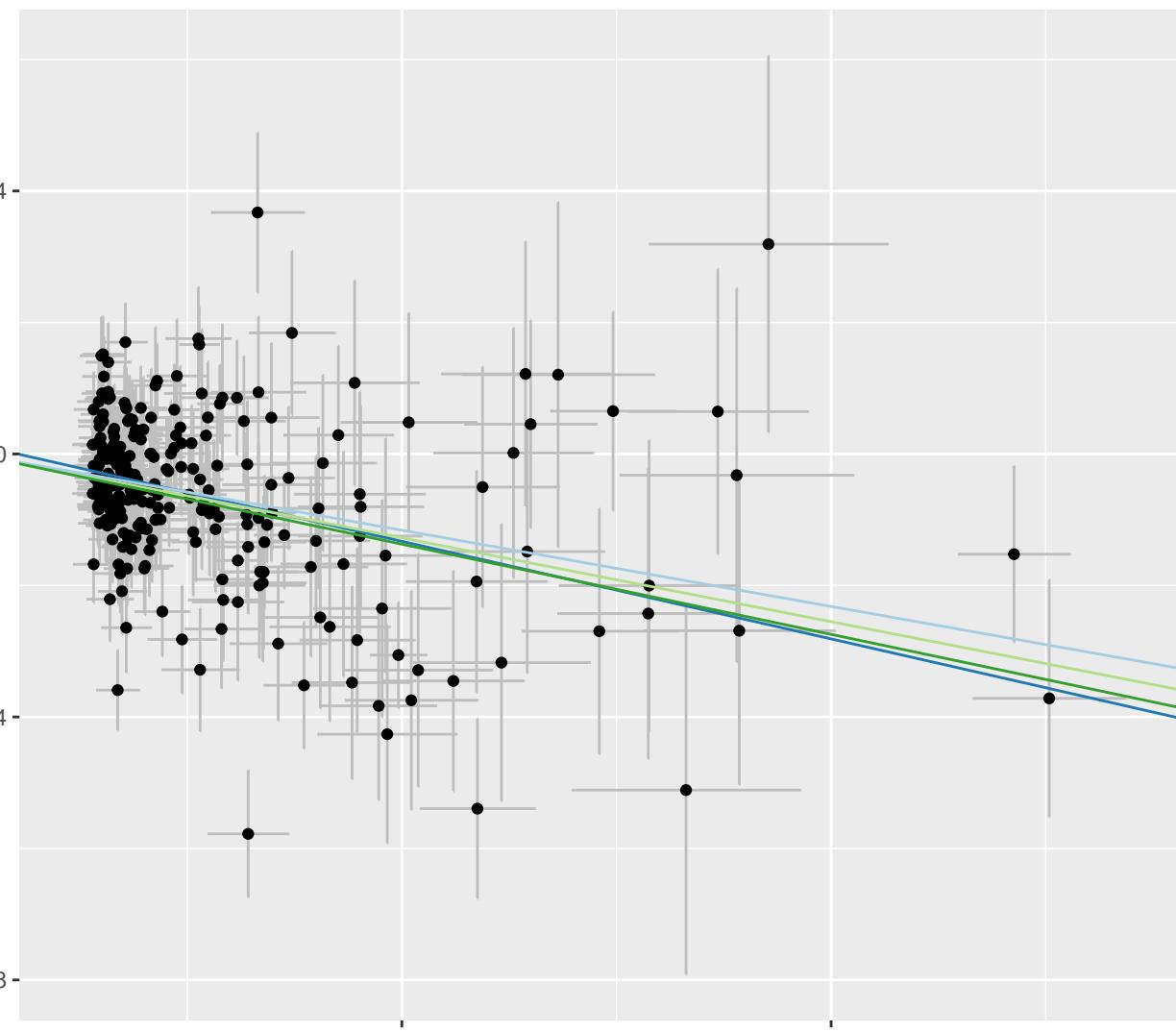
Weighted median



Weighted mode

SNP effect on LA\_pct\_int\_imputed\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



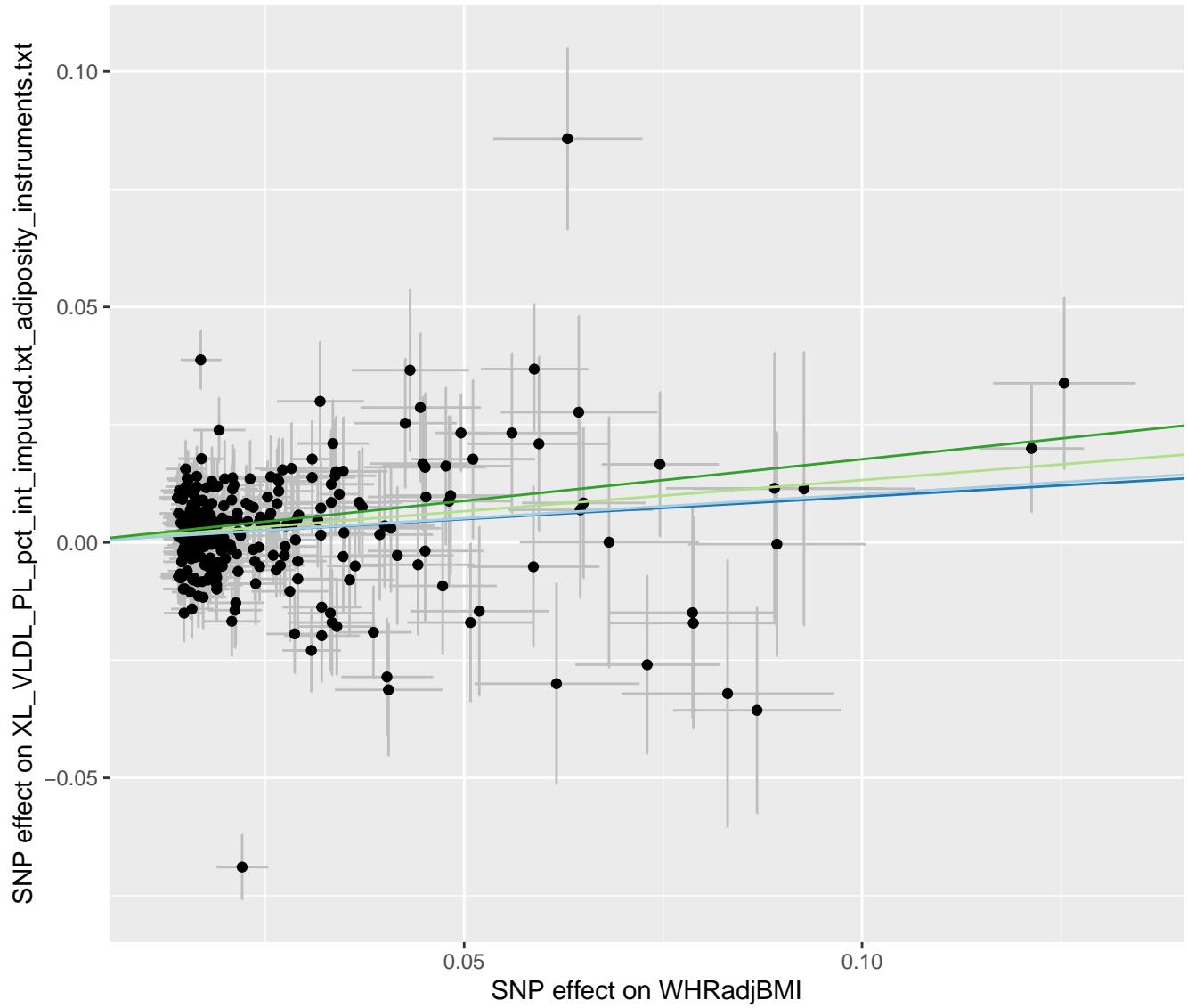
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



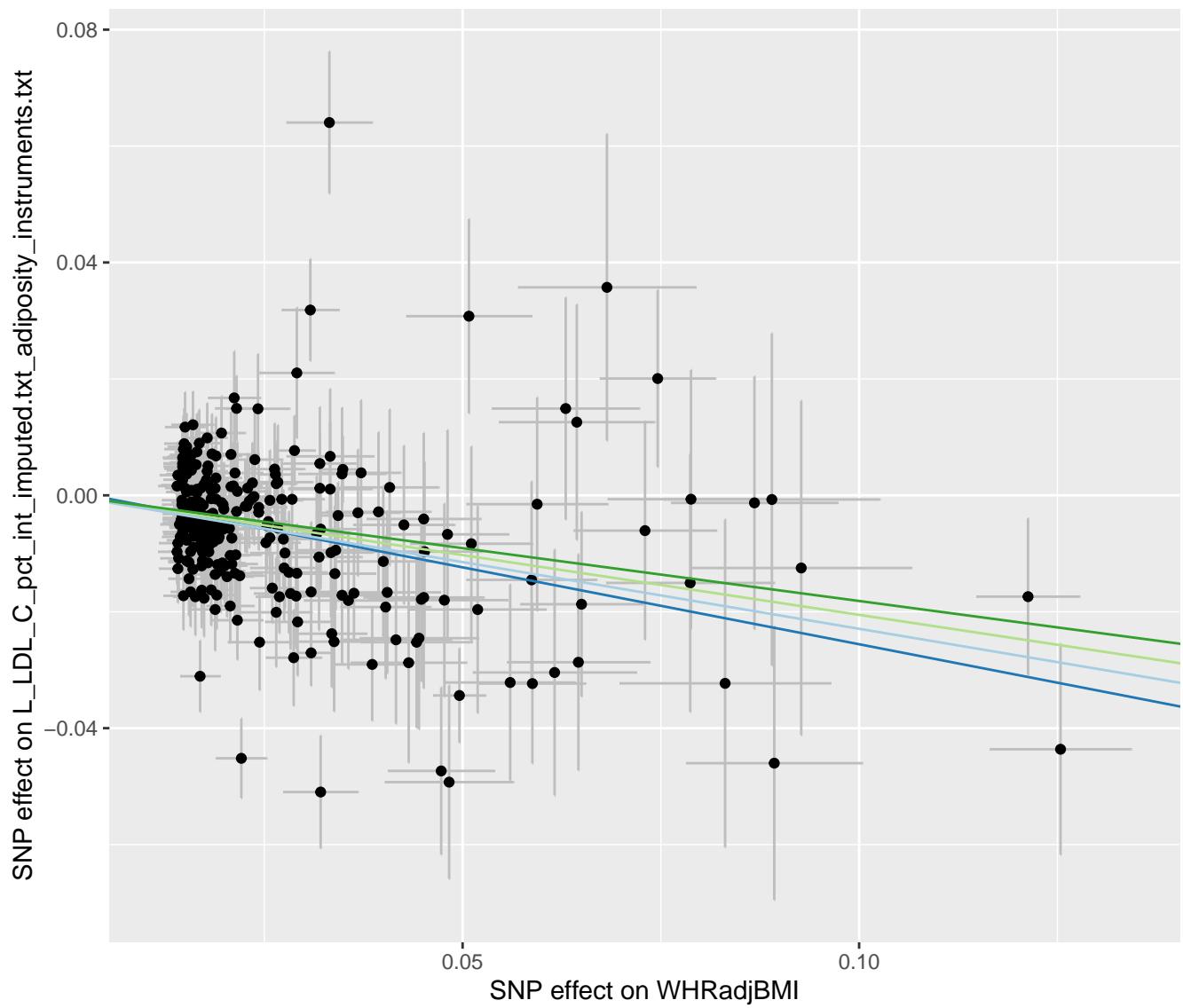
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



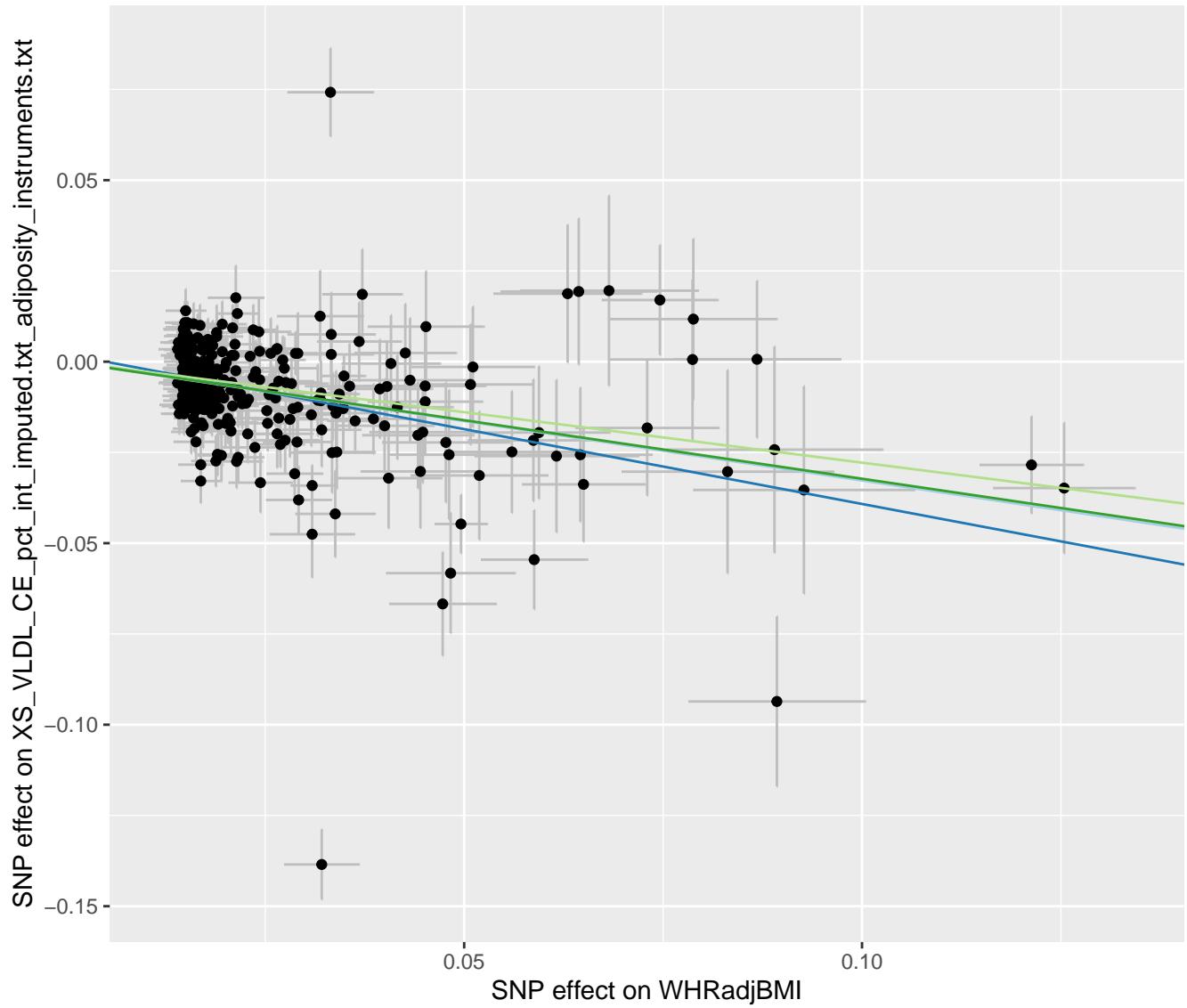
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



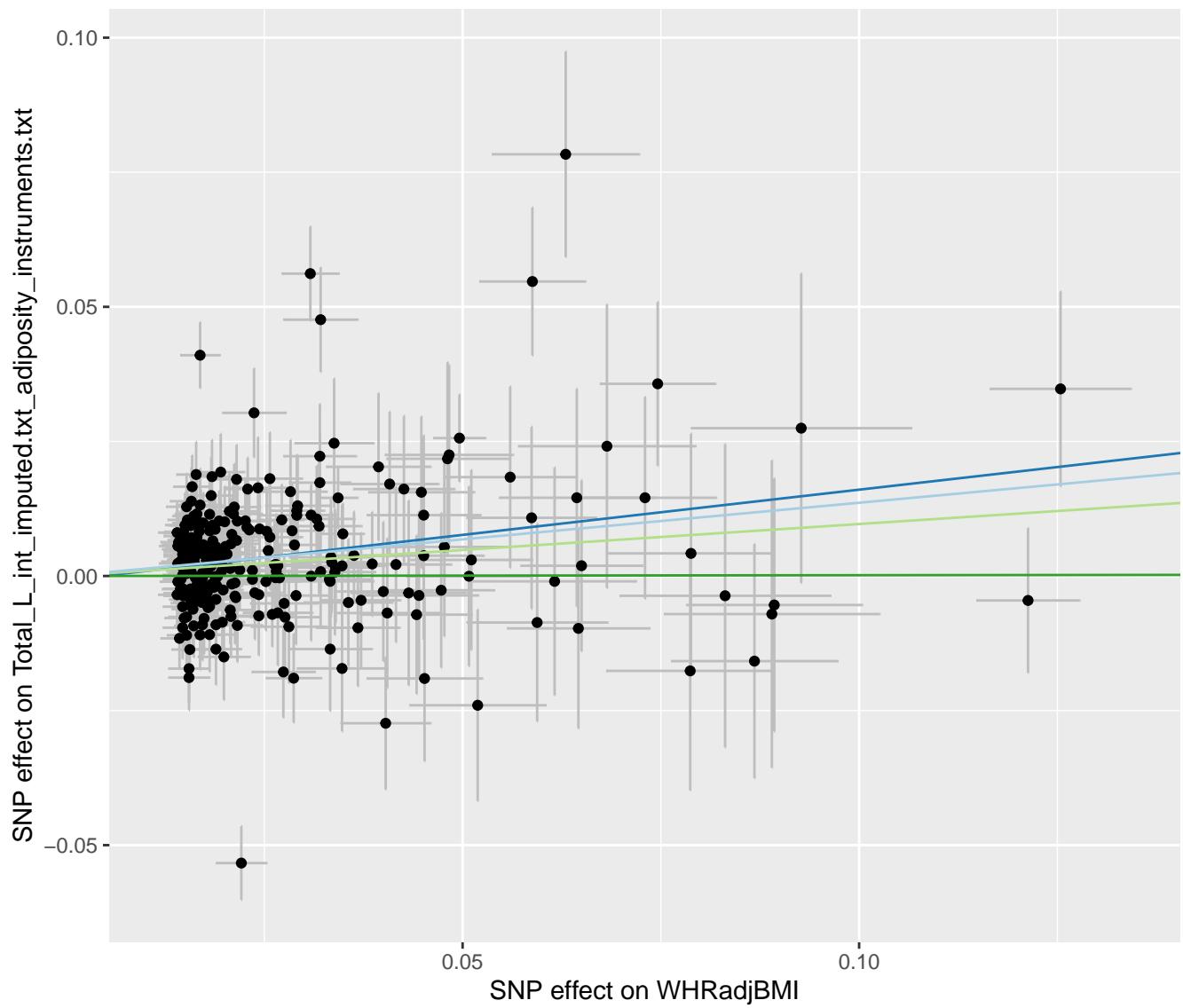
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



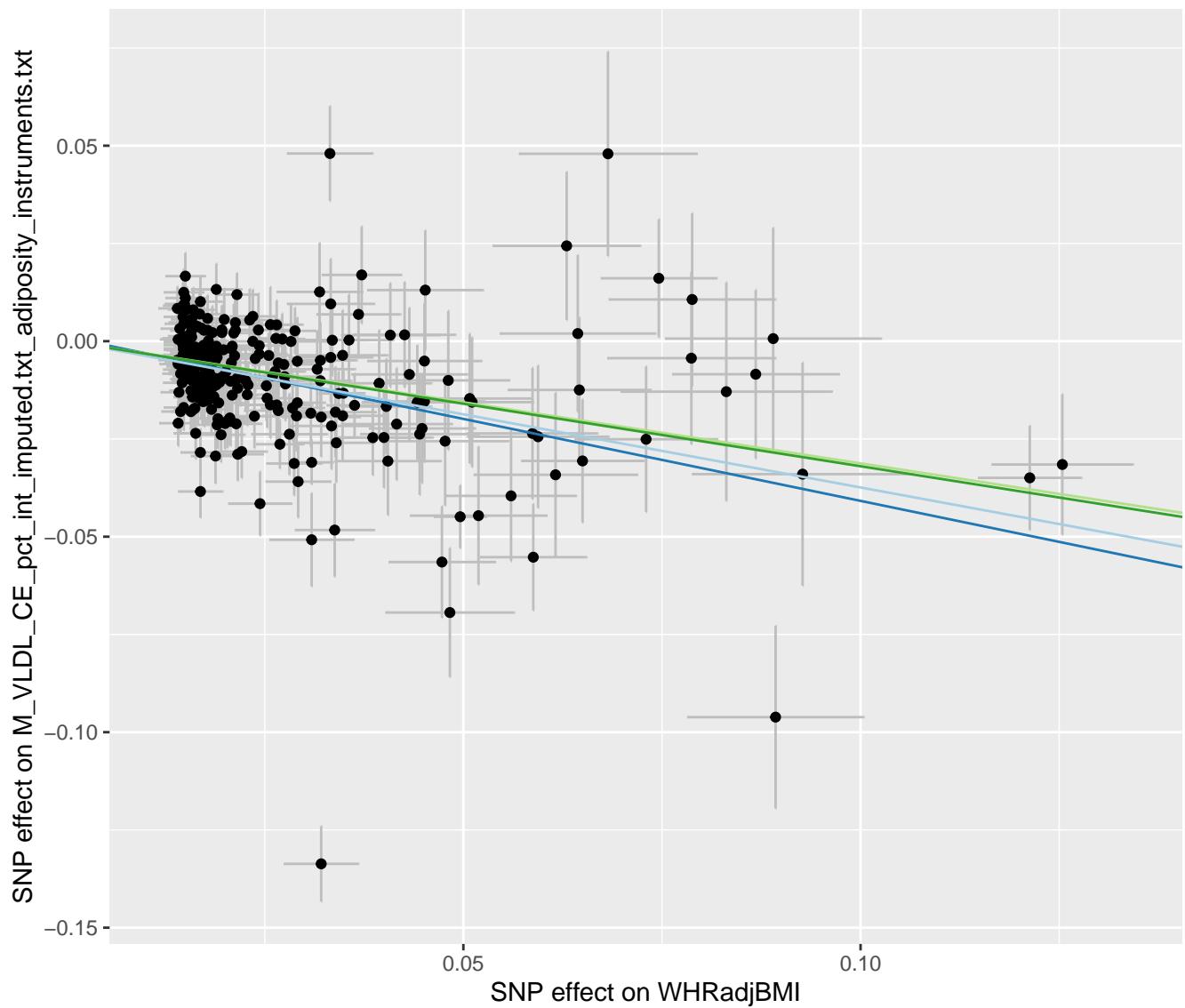
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



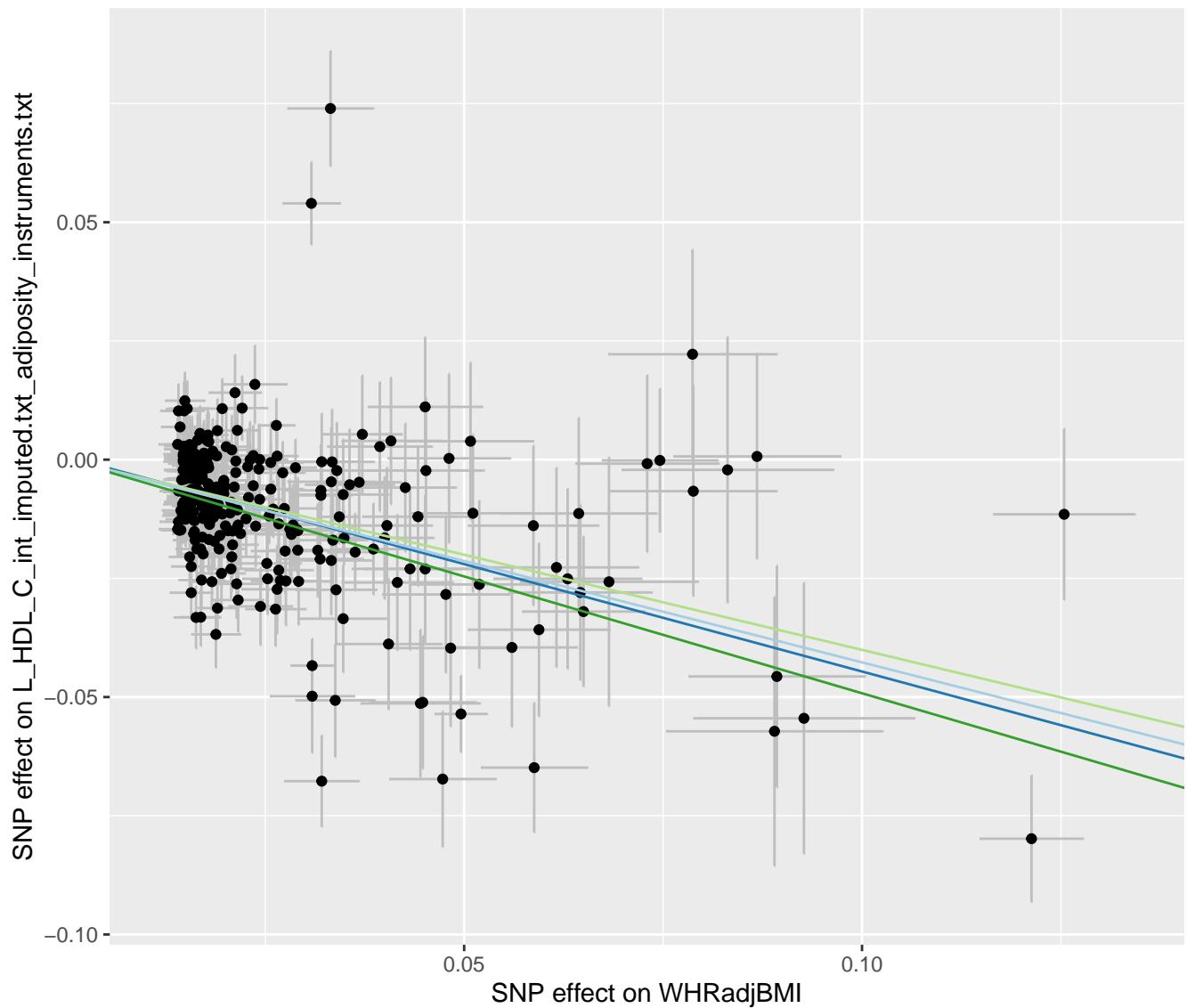
Weighted median



Weighted mode

SNP effect on L\_HDL\_C\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



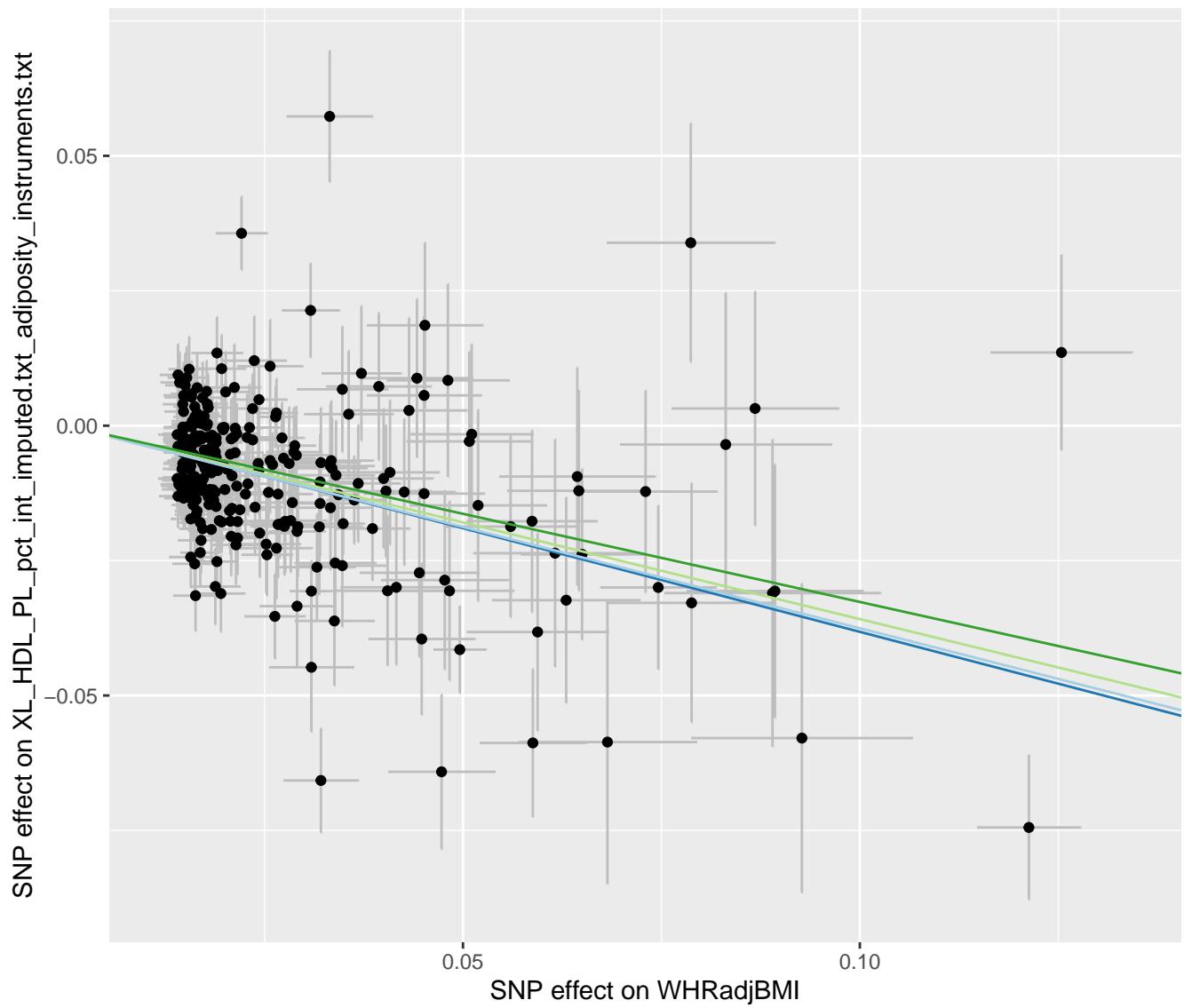
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



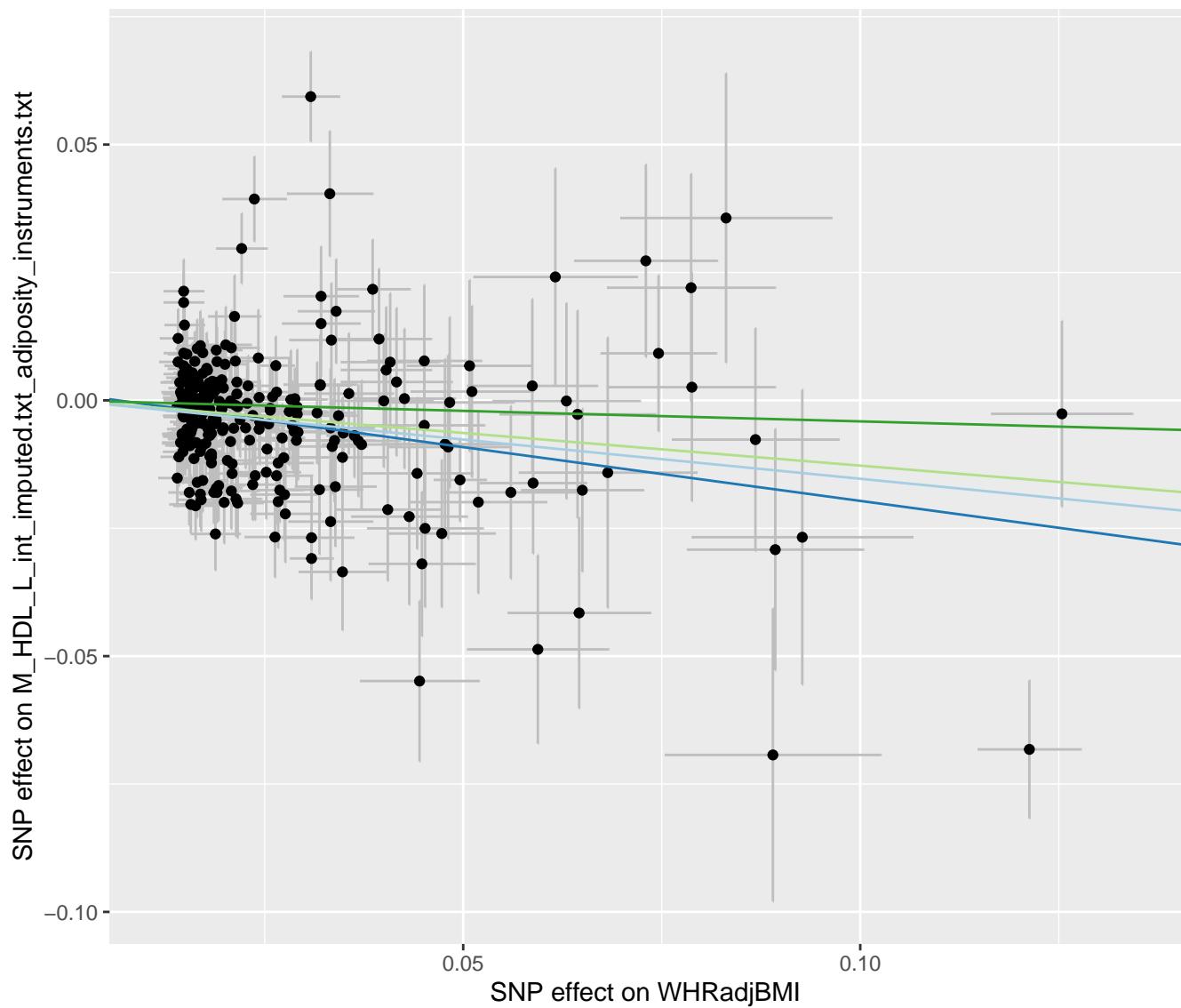
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



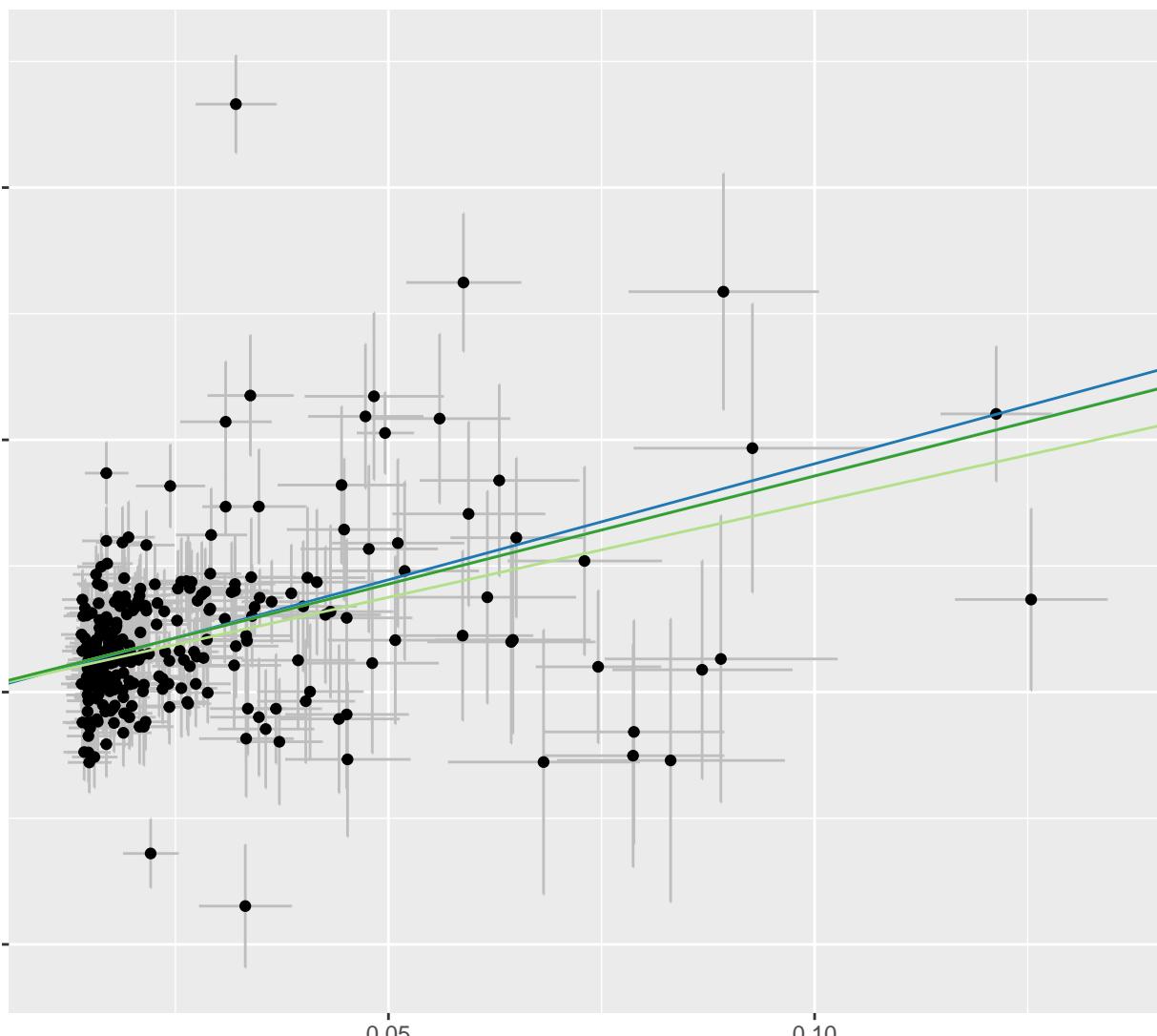
Weighted median



Weighted mode

SNP effect on VLDL\_size\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



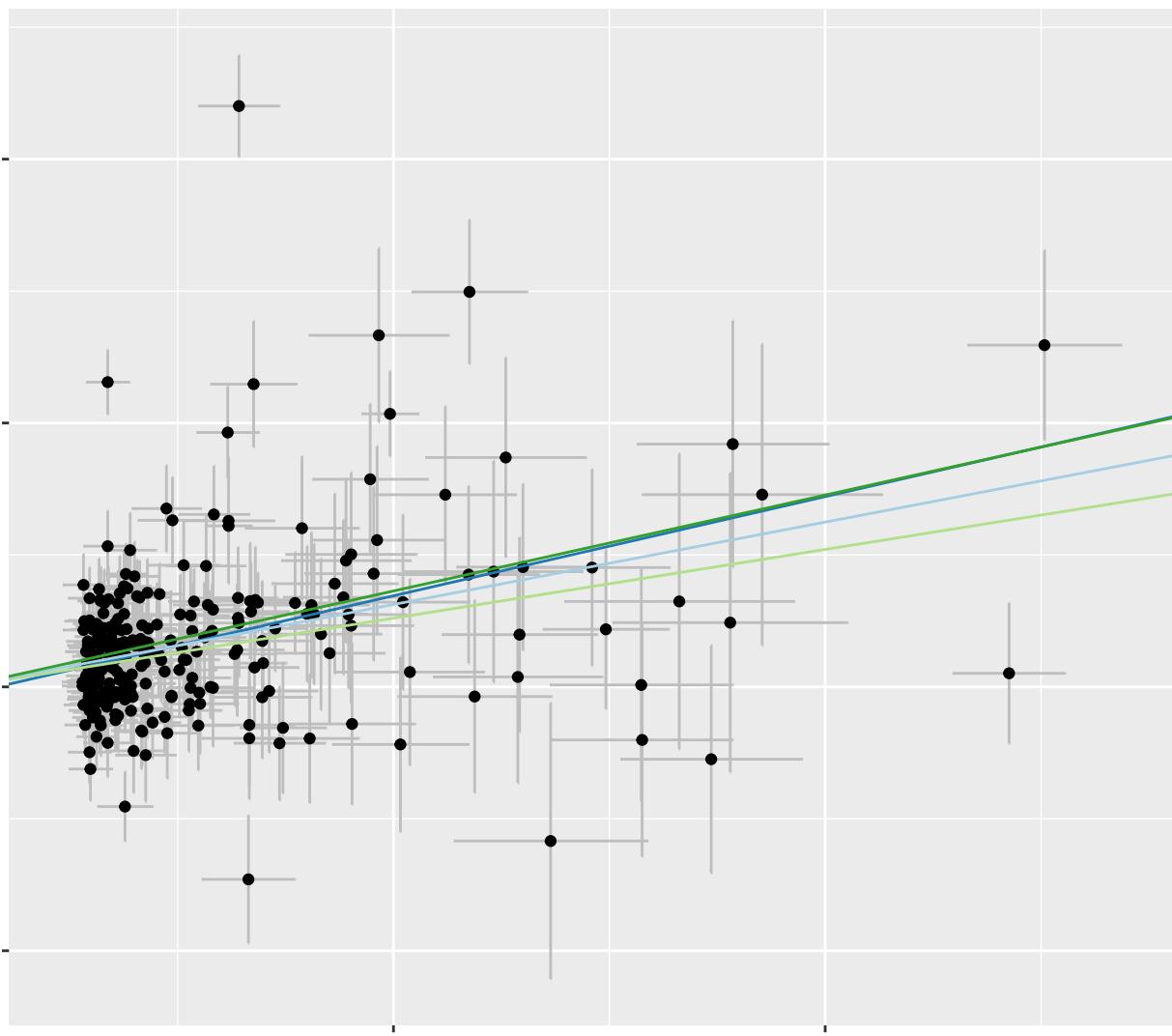
Weighted median



Weighted mode

SNP effect on HDL\_TG\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



## MR Test



Inverse variance weighted (multiplicative random effects)



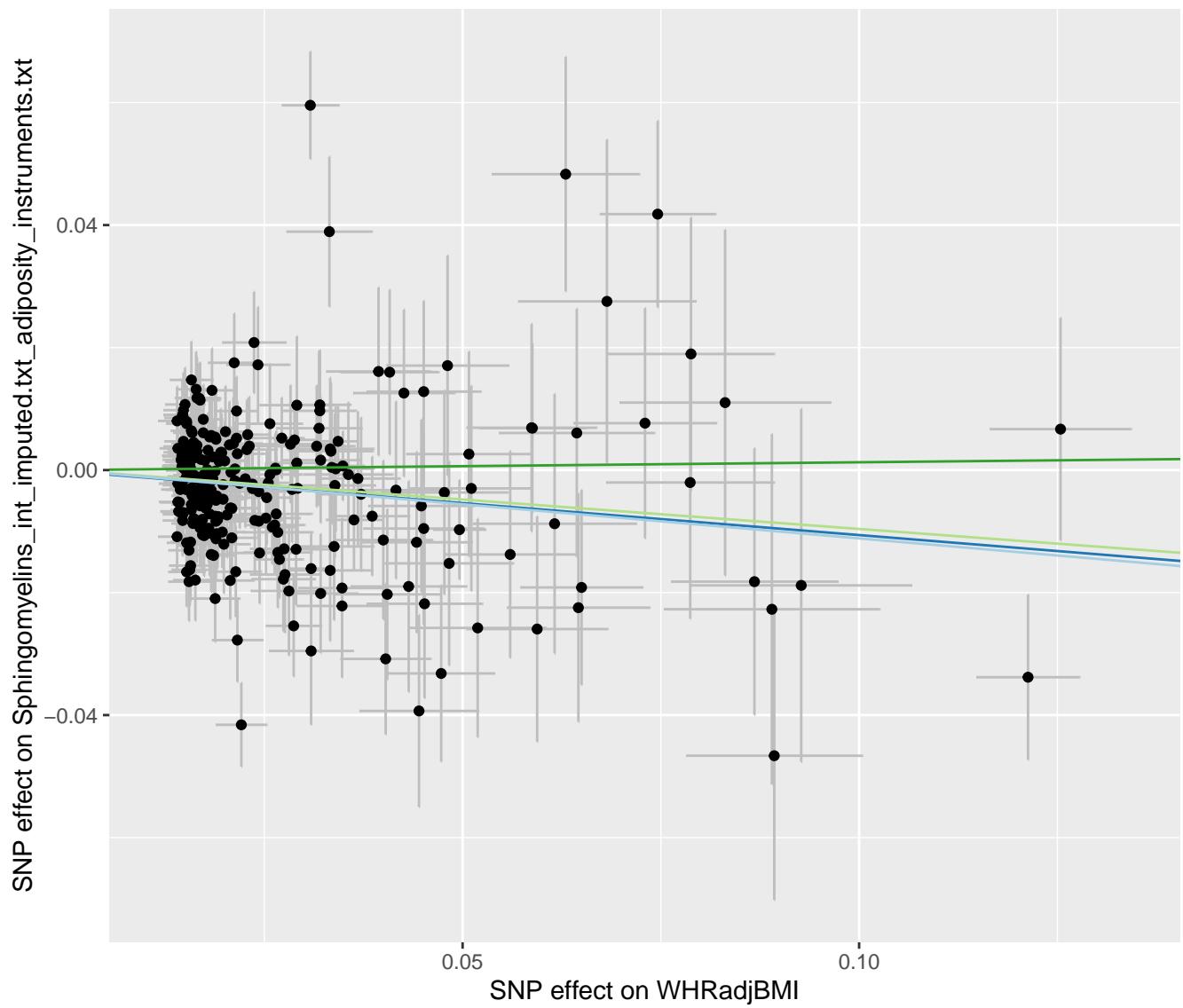
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

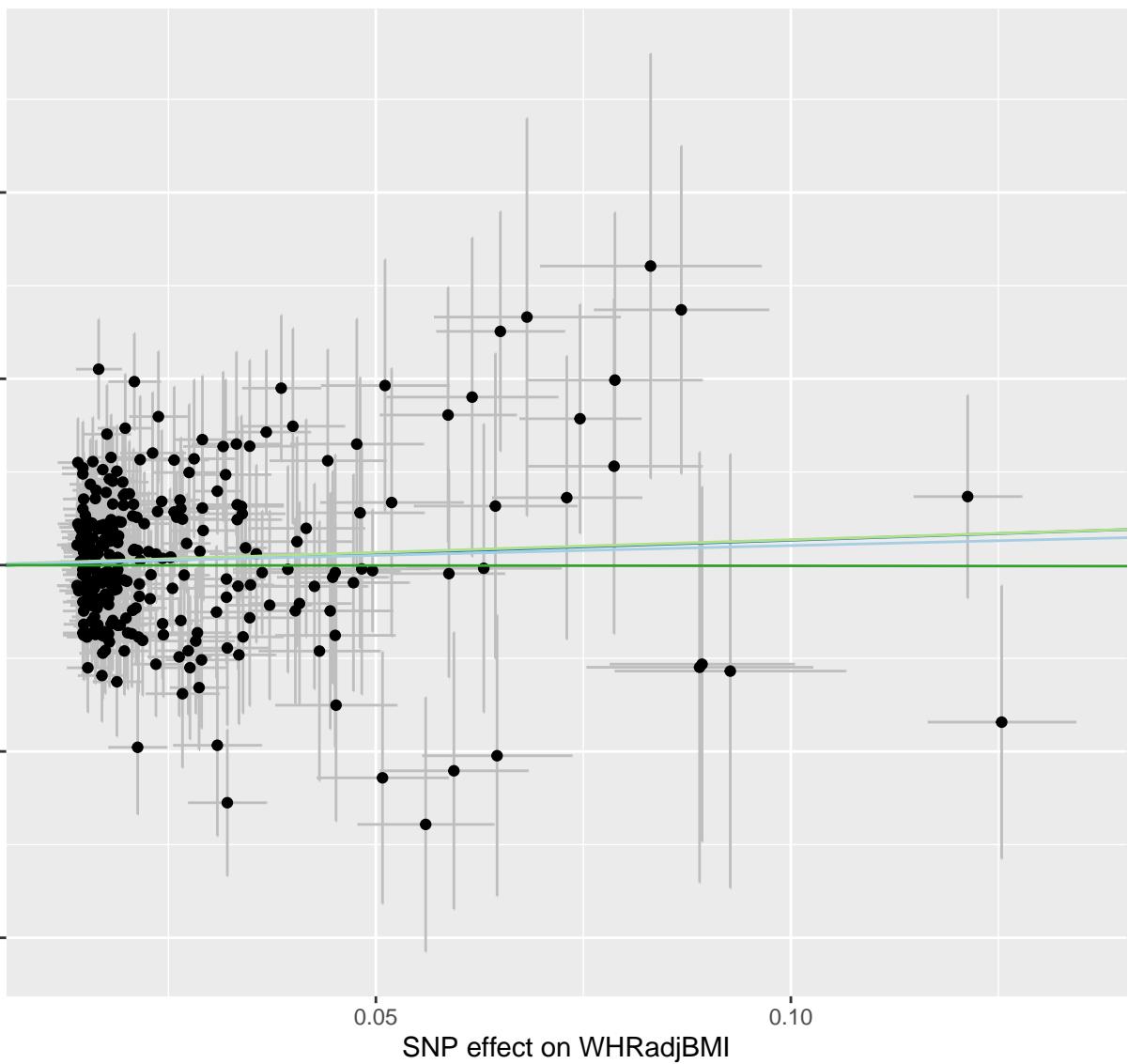


Weighted median



Weighted mode

SNP effect on His\_int\_imputed.txt\_adiposity\_instruments.txt



# MR Test



Inverse variance weighted (multiplicative random effects)



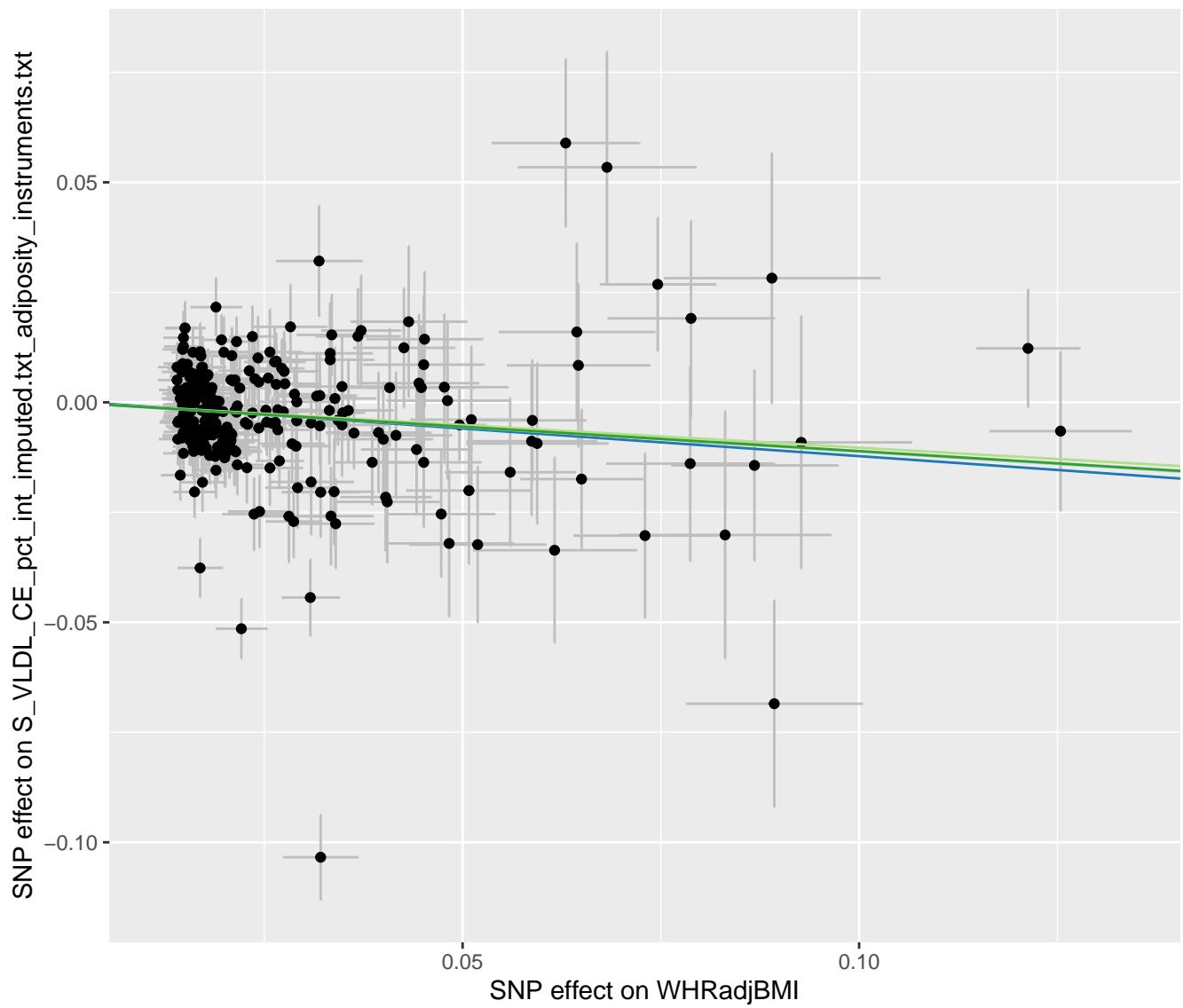
MR Egger



Weighted median



Weighted mode



MR Test

10

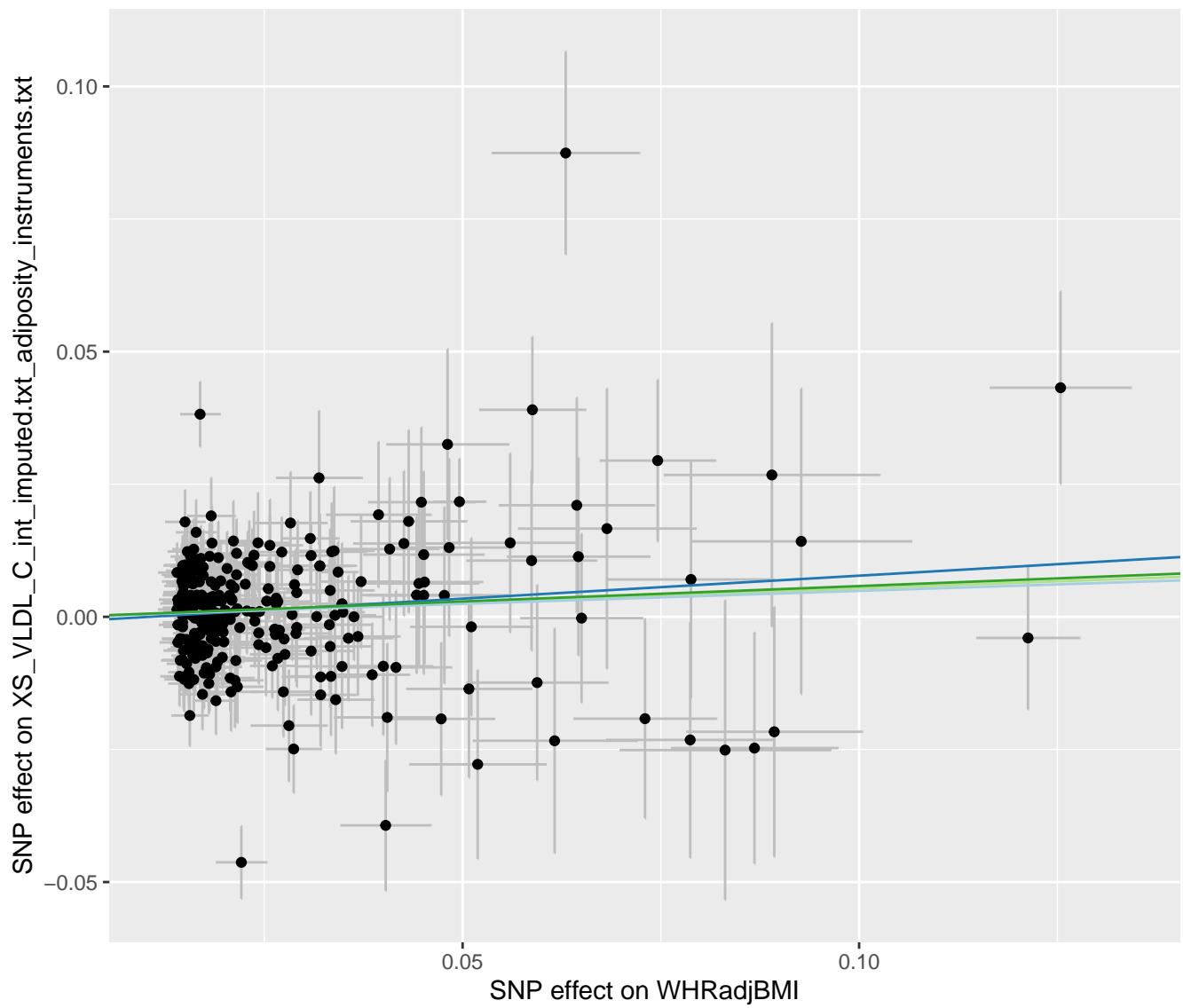
### Inverse variance weighted (multiplicative random effects)

MR Egger

10 of 10

## Weighted median

## Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



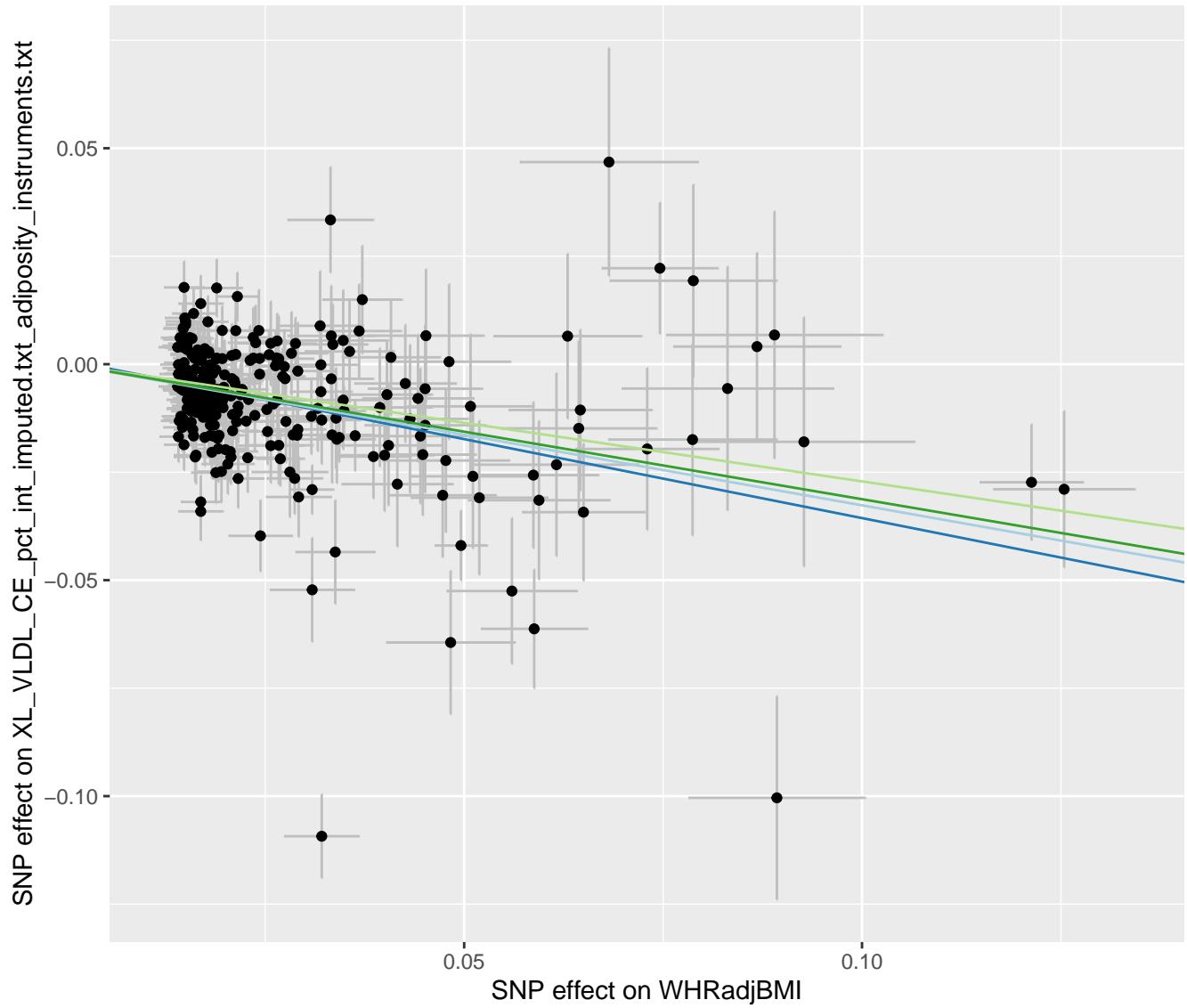
MR Egger



Weighted median



Weighted mode



MR Test

A blue line that slopes upwards from left to right.

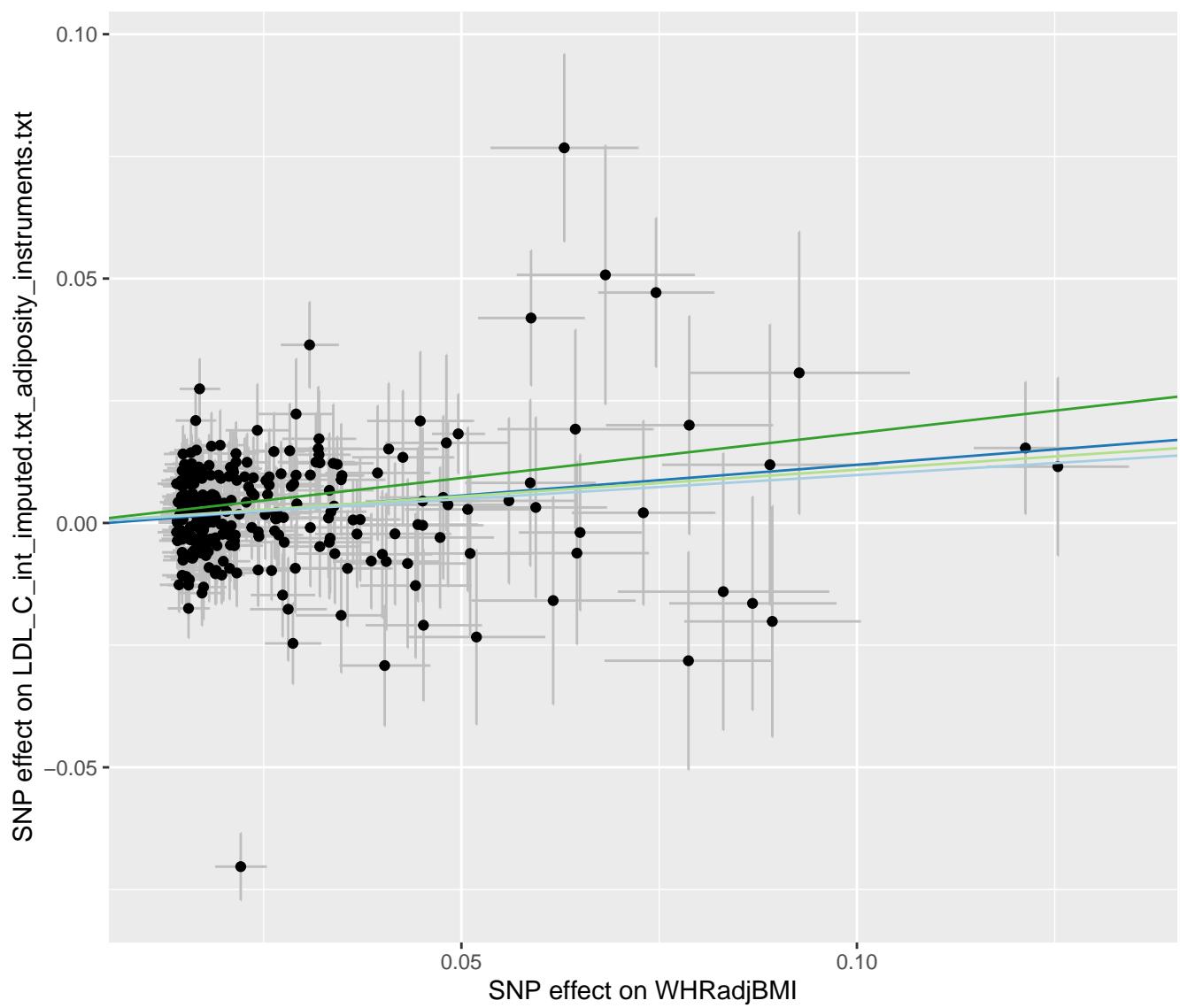
### Inverse variance weighted (multiplicative random effects)

MR Egger

10 of 10

## Weighted median

## Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



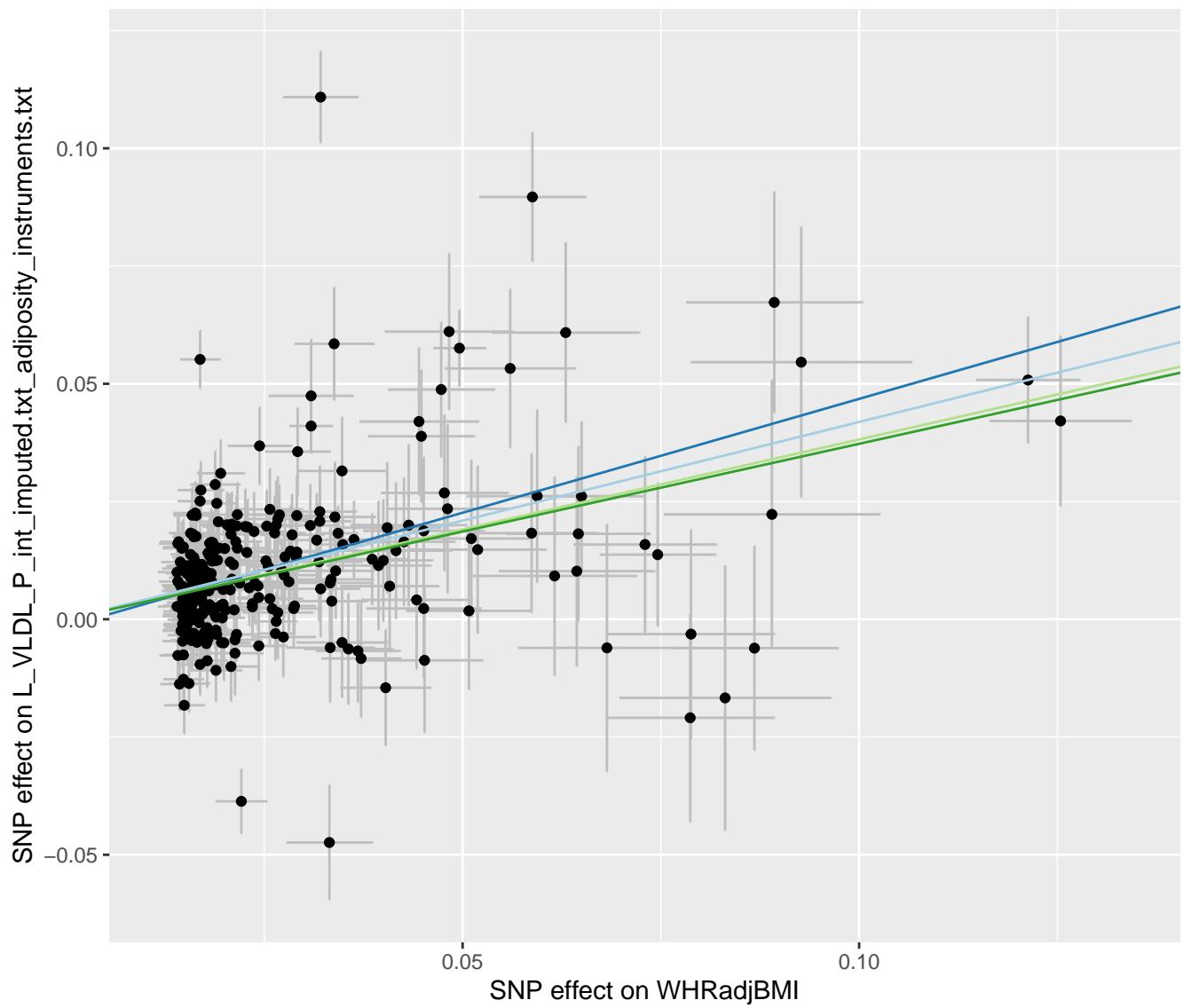
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



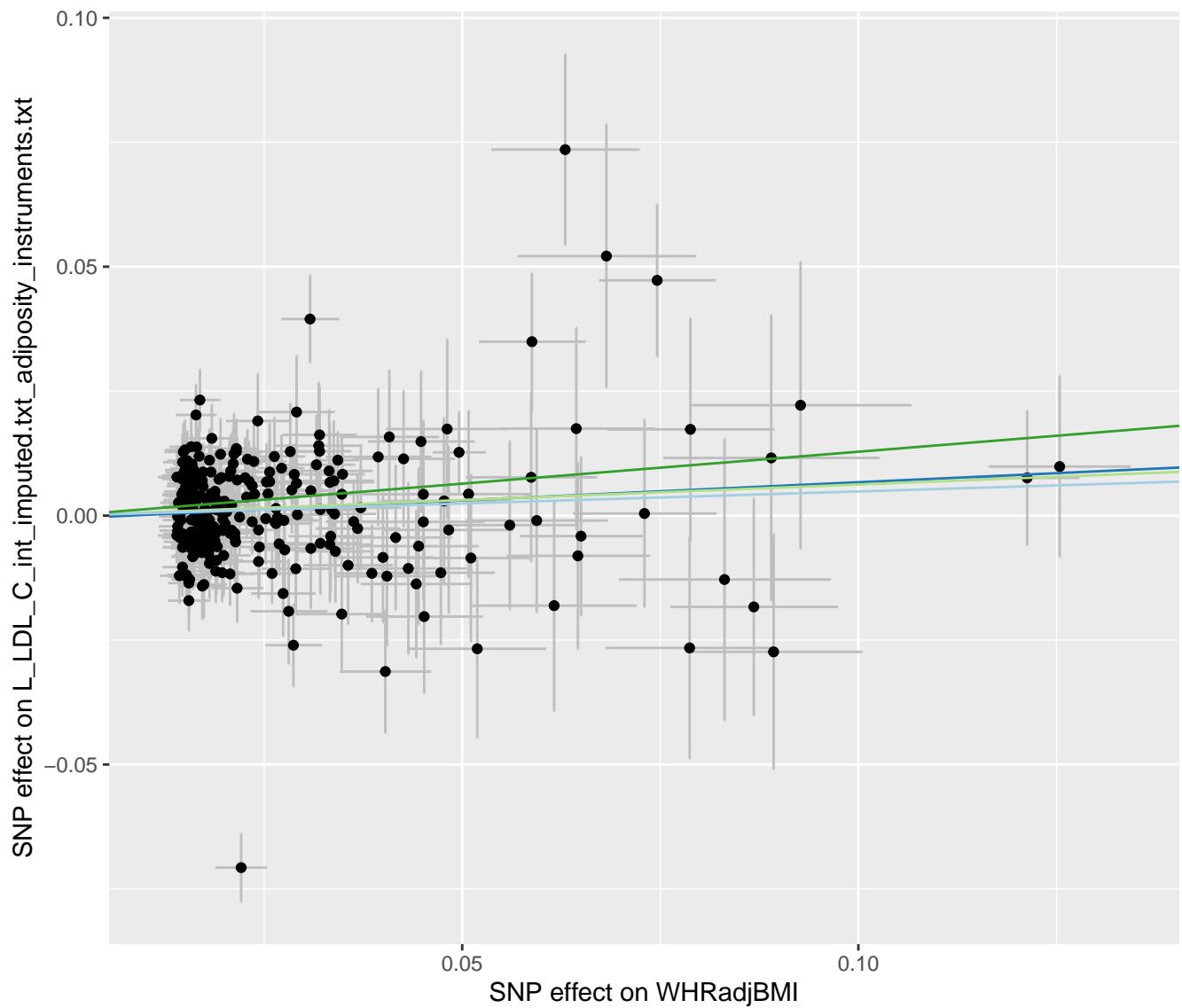
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



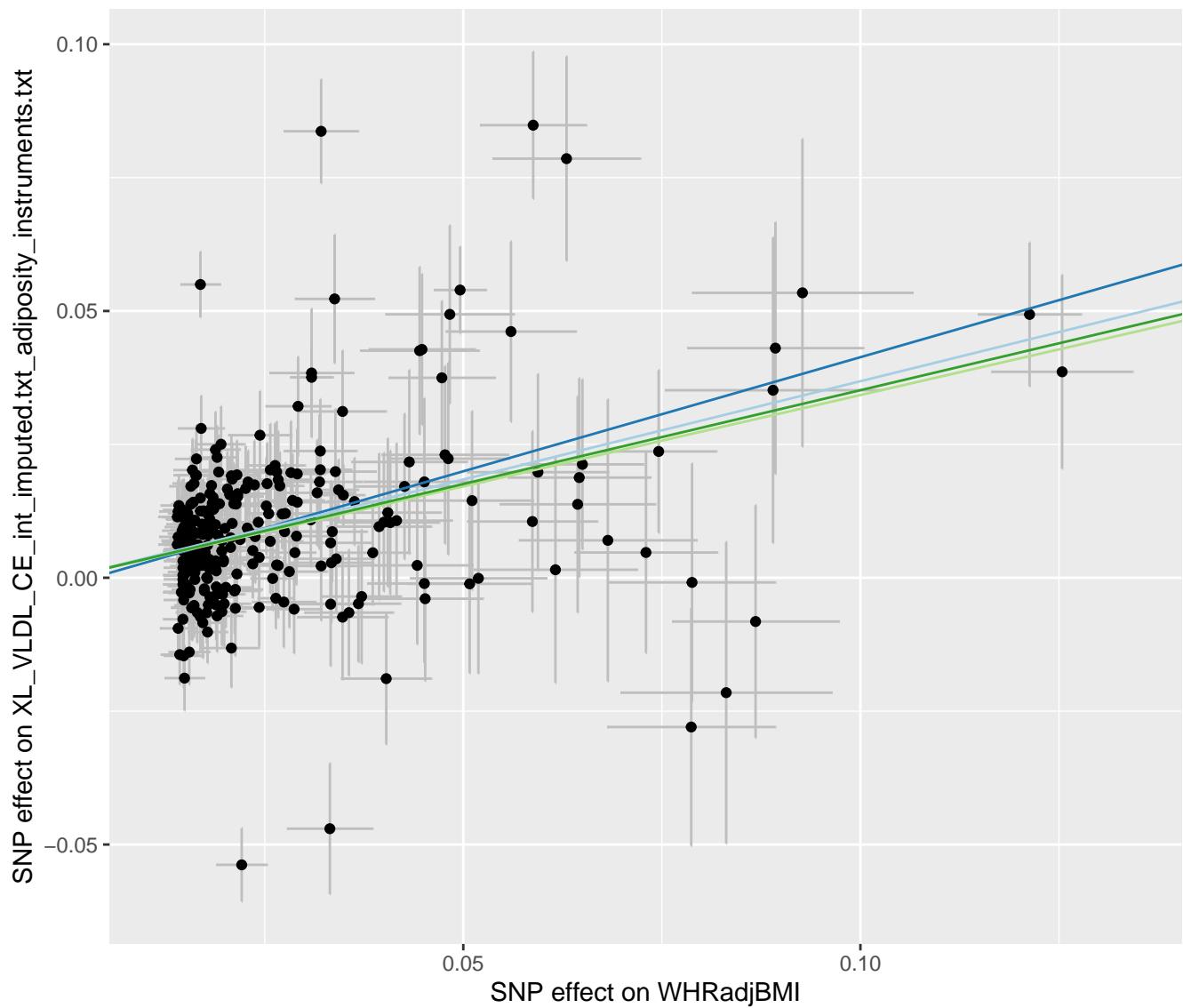
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



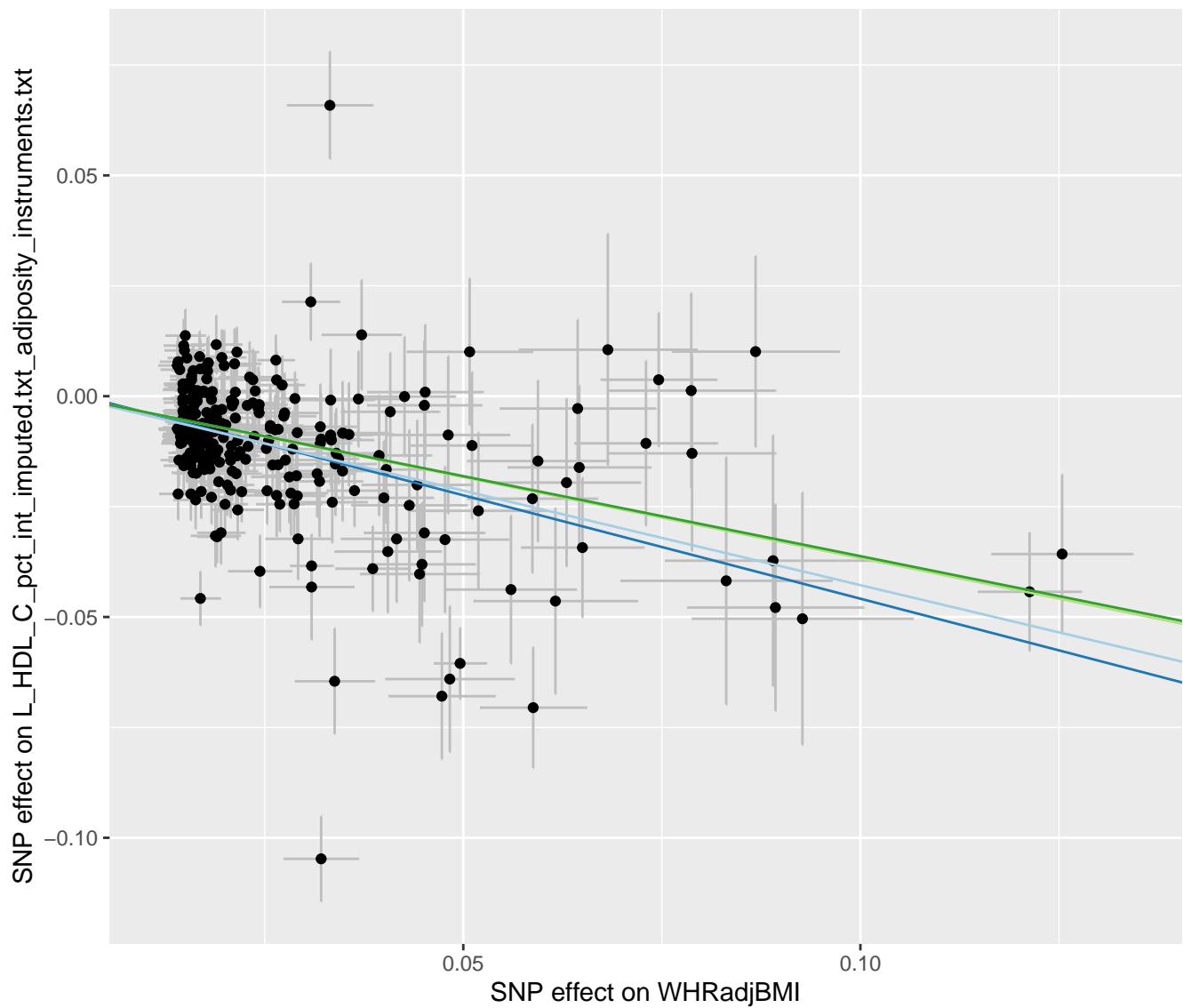
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

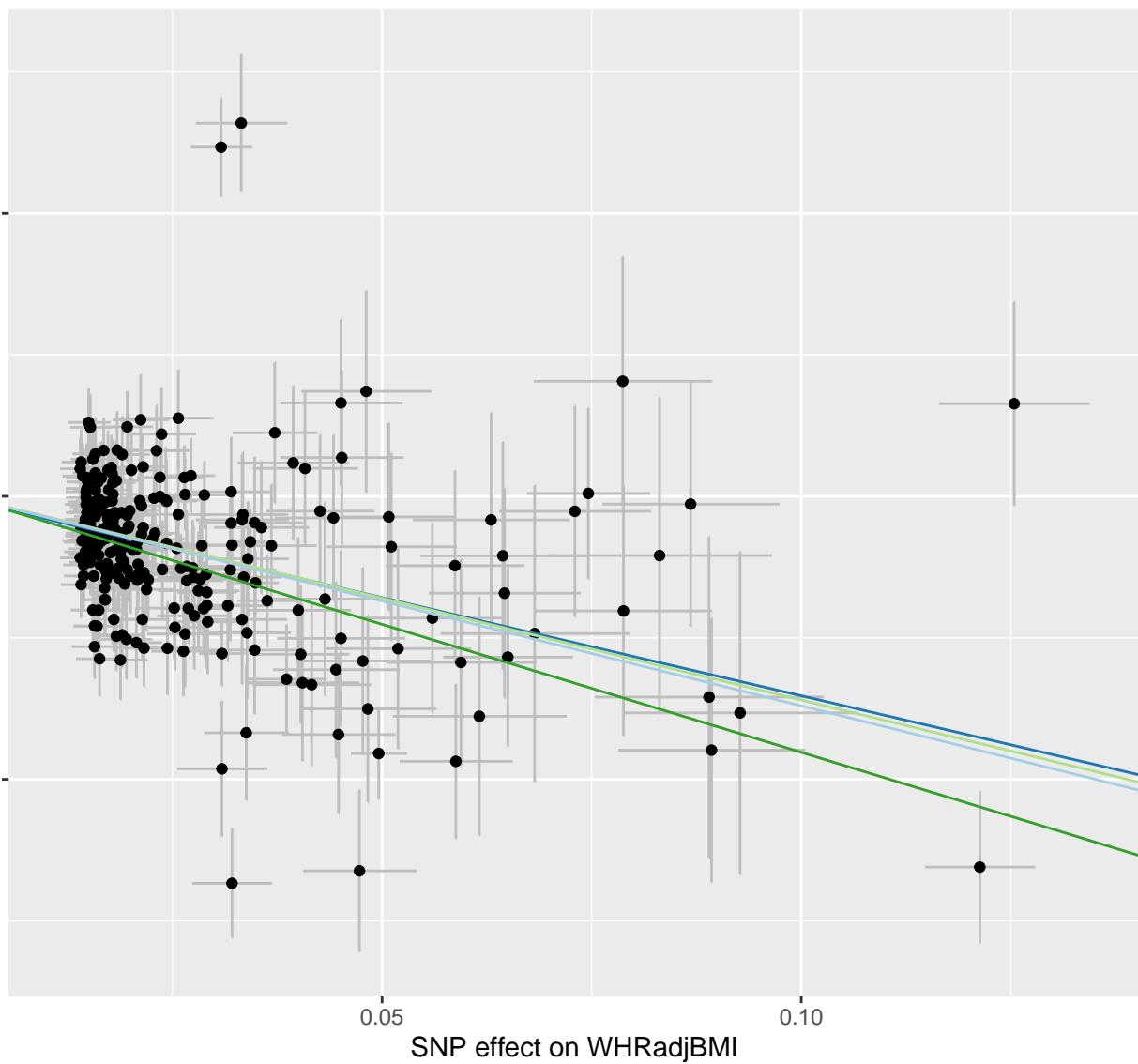


Weighted median



Weighted mode

SNP effect on XL\_HDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



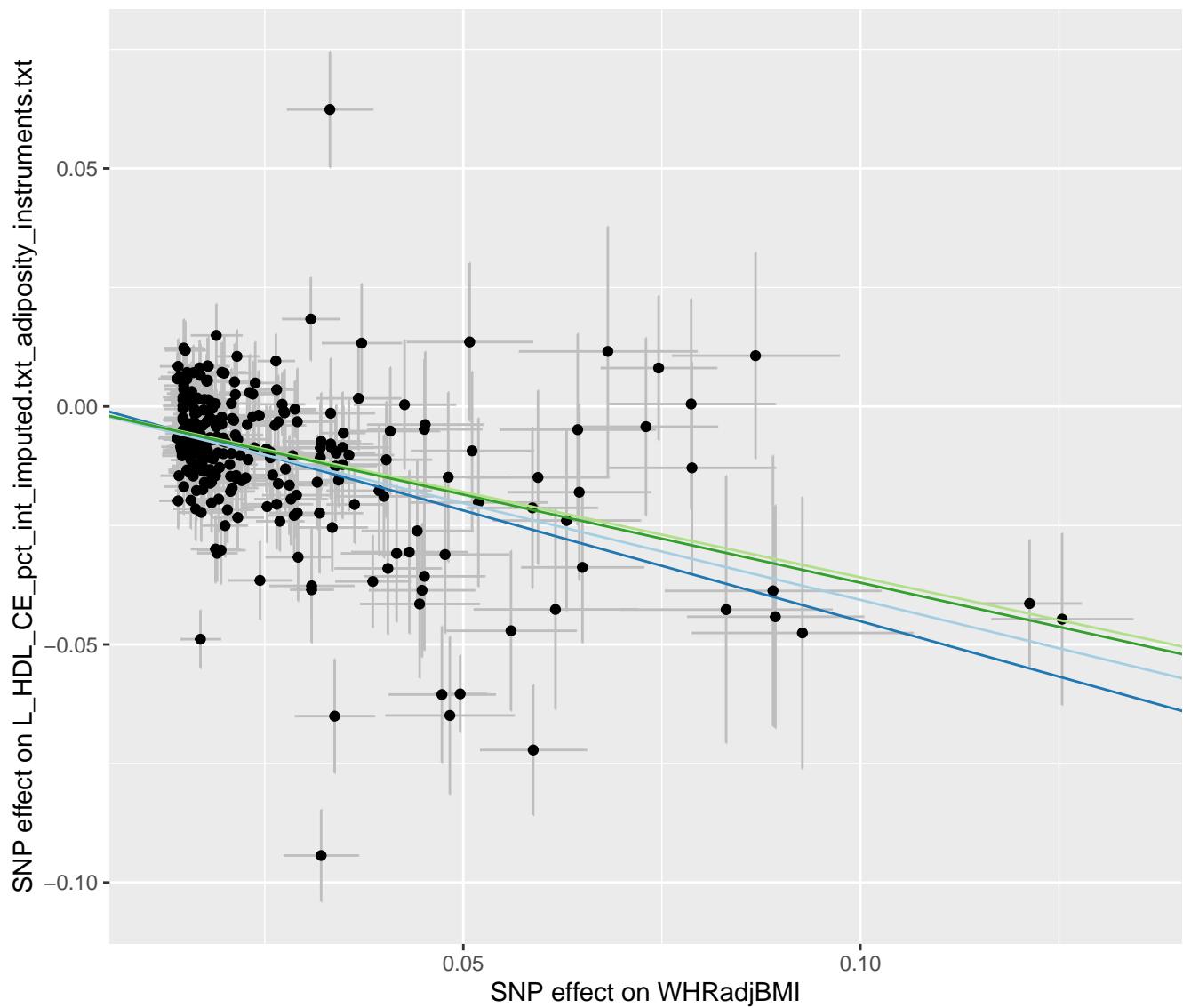
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



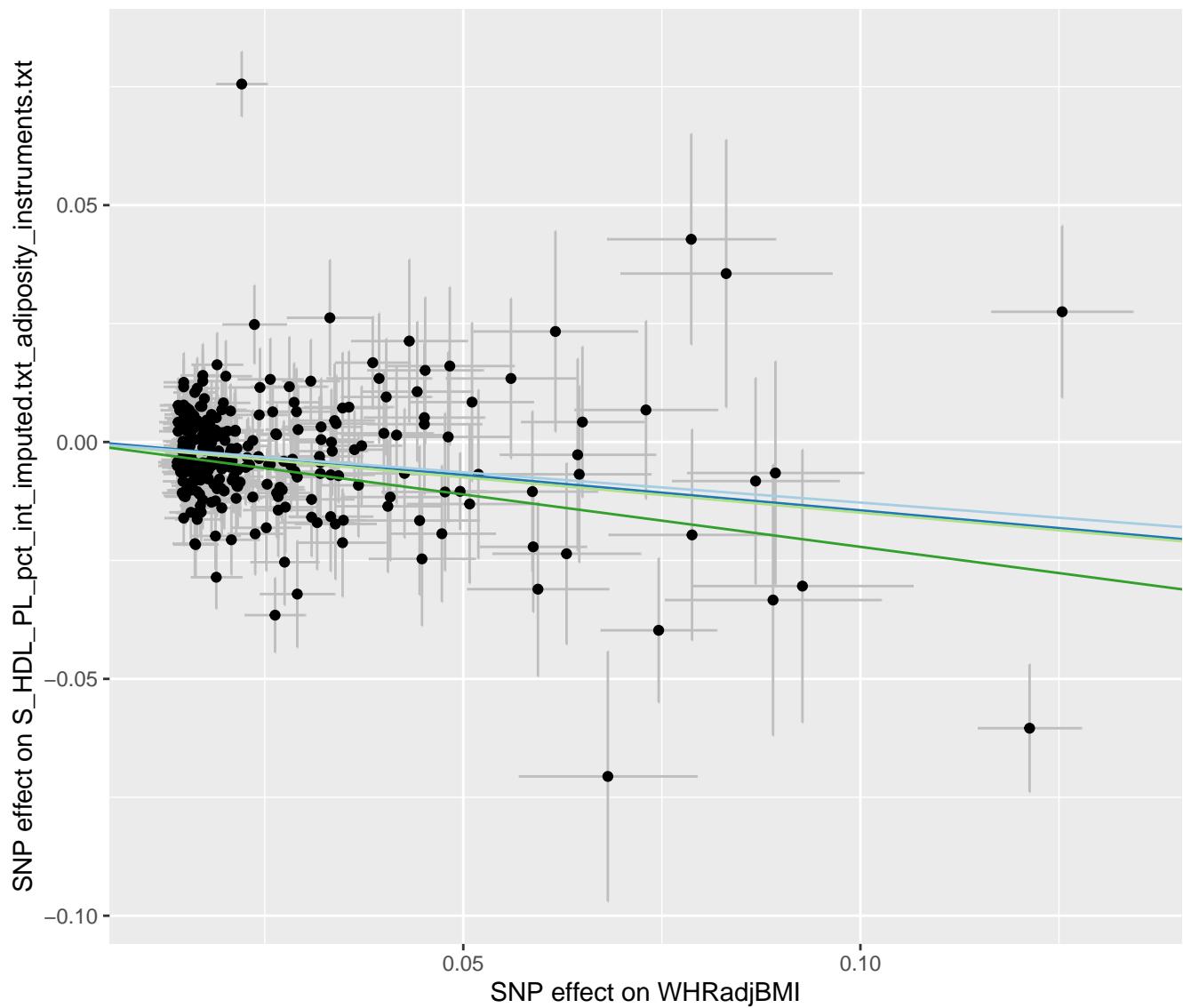
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



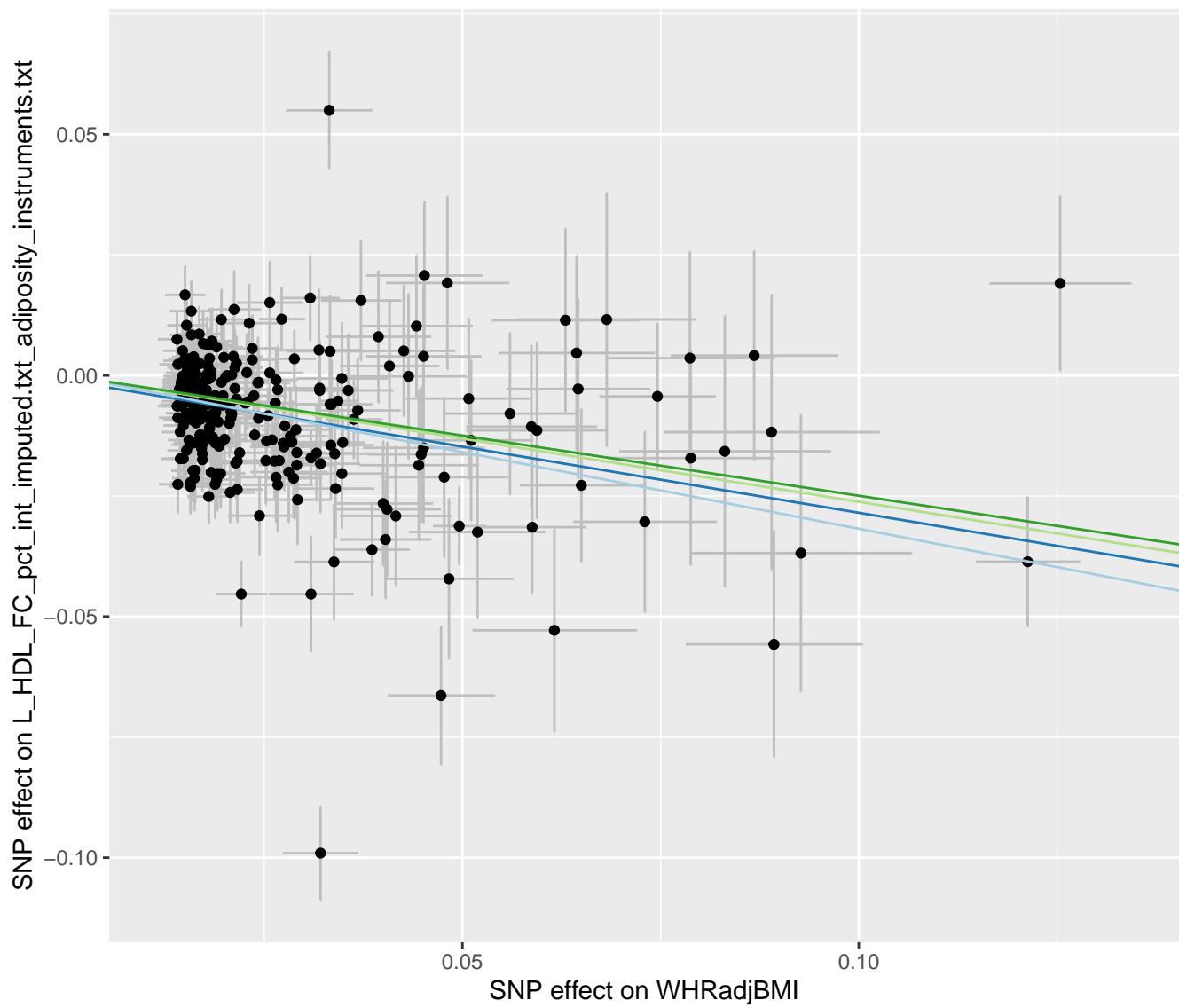
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



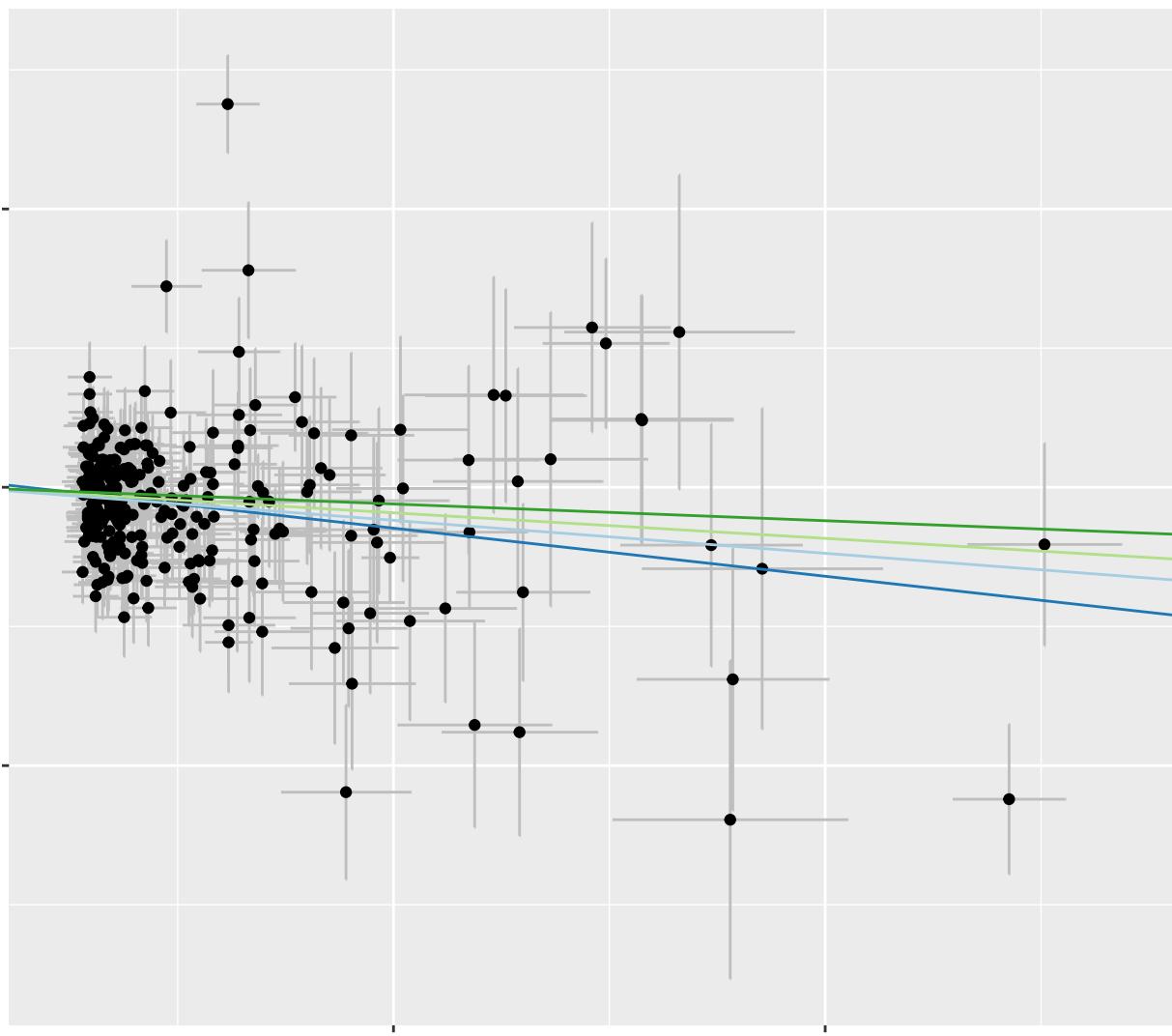
Weighted median



Weighted mode

SNP effect on HDL\_P\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

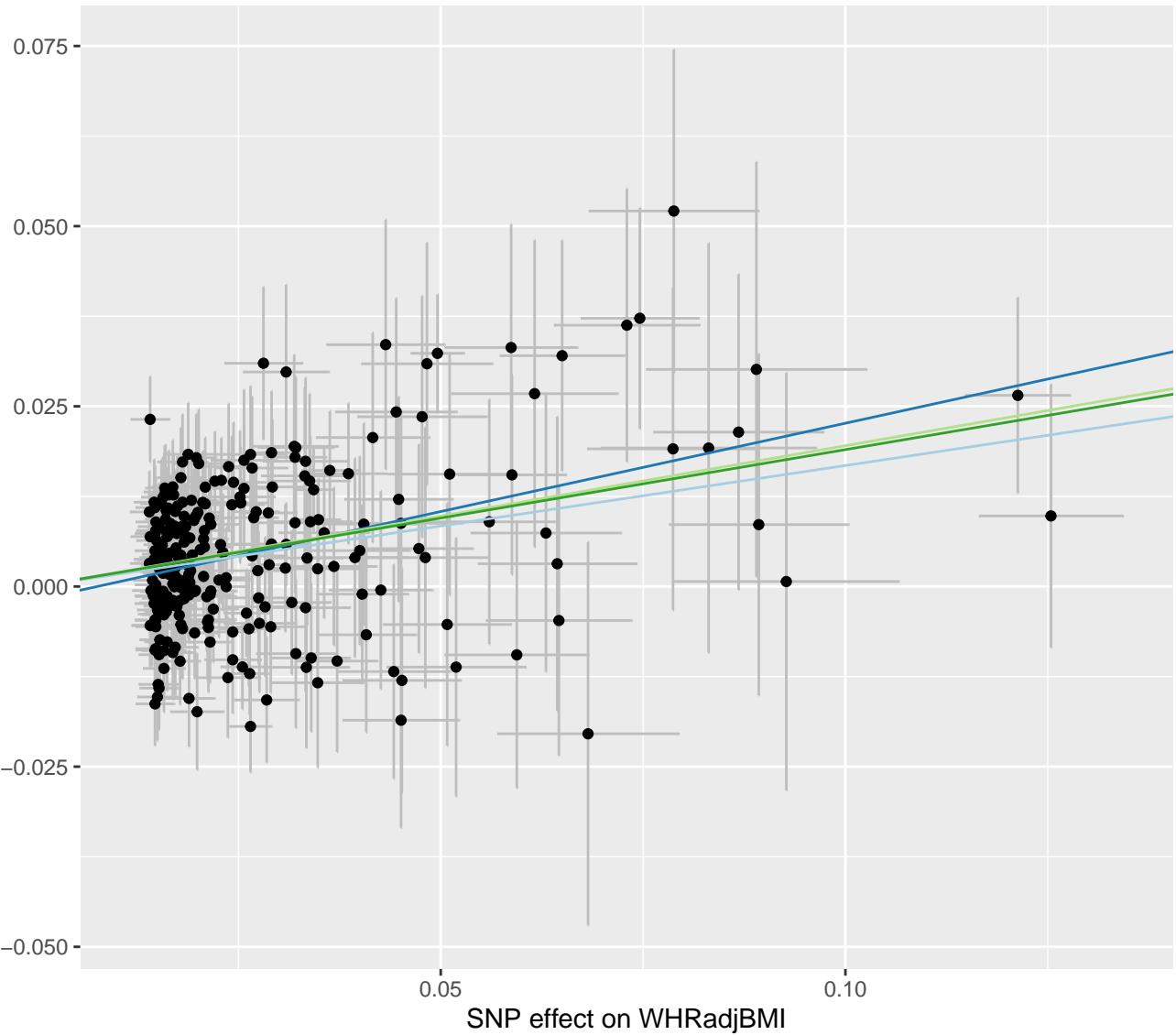


Weighted median



Weighted mode

SNP effect on Leu\_int\_imputed.txt\_adiposity\_instruments.txt



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



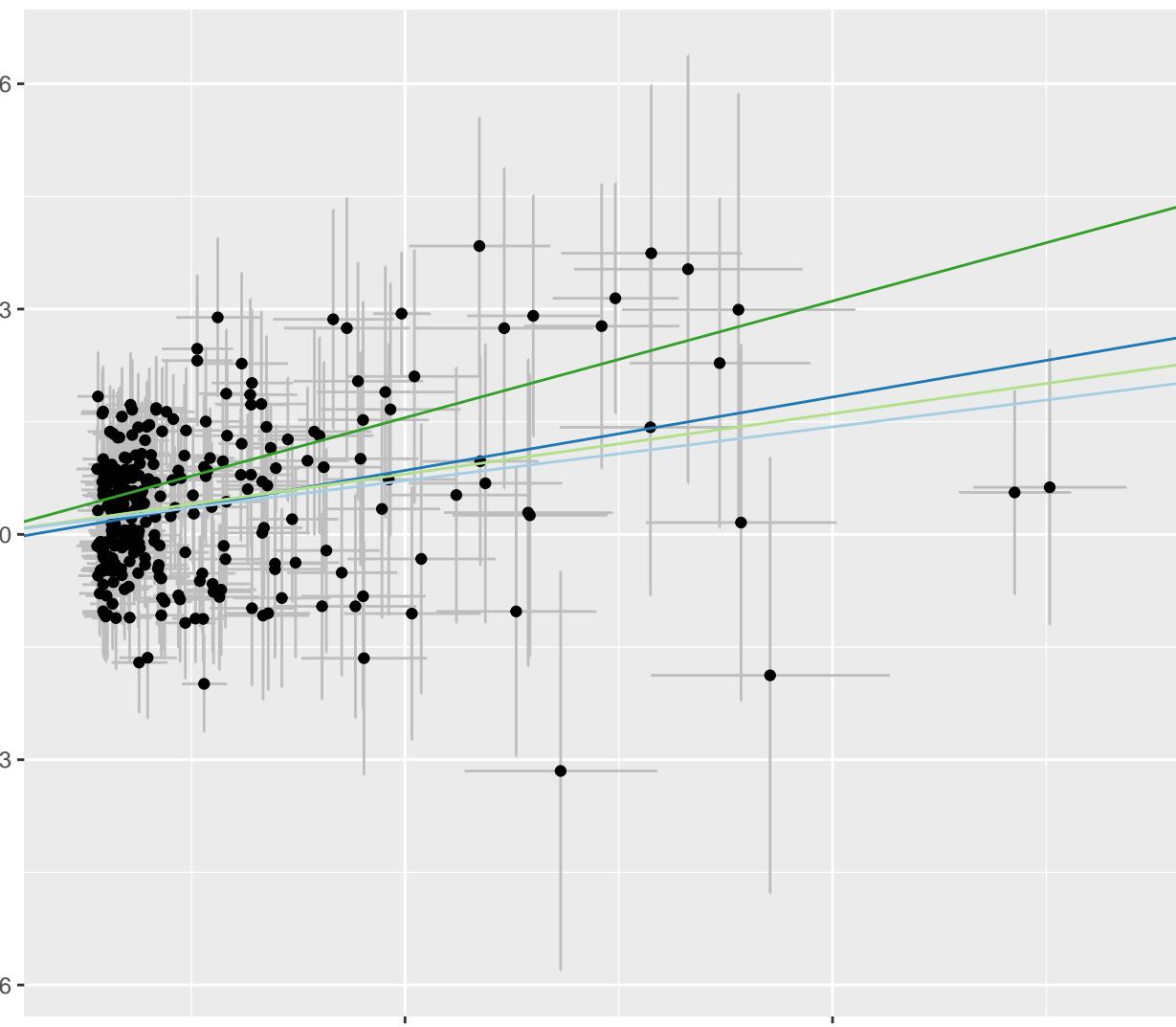
Weighted median



Weighted mode

SNP effect on lle\_int\_imputed\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



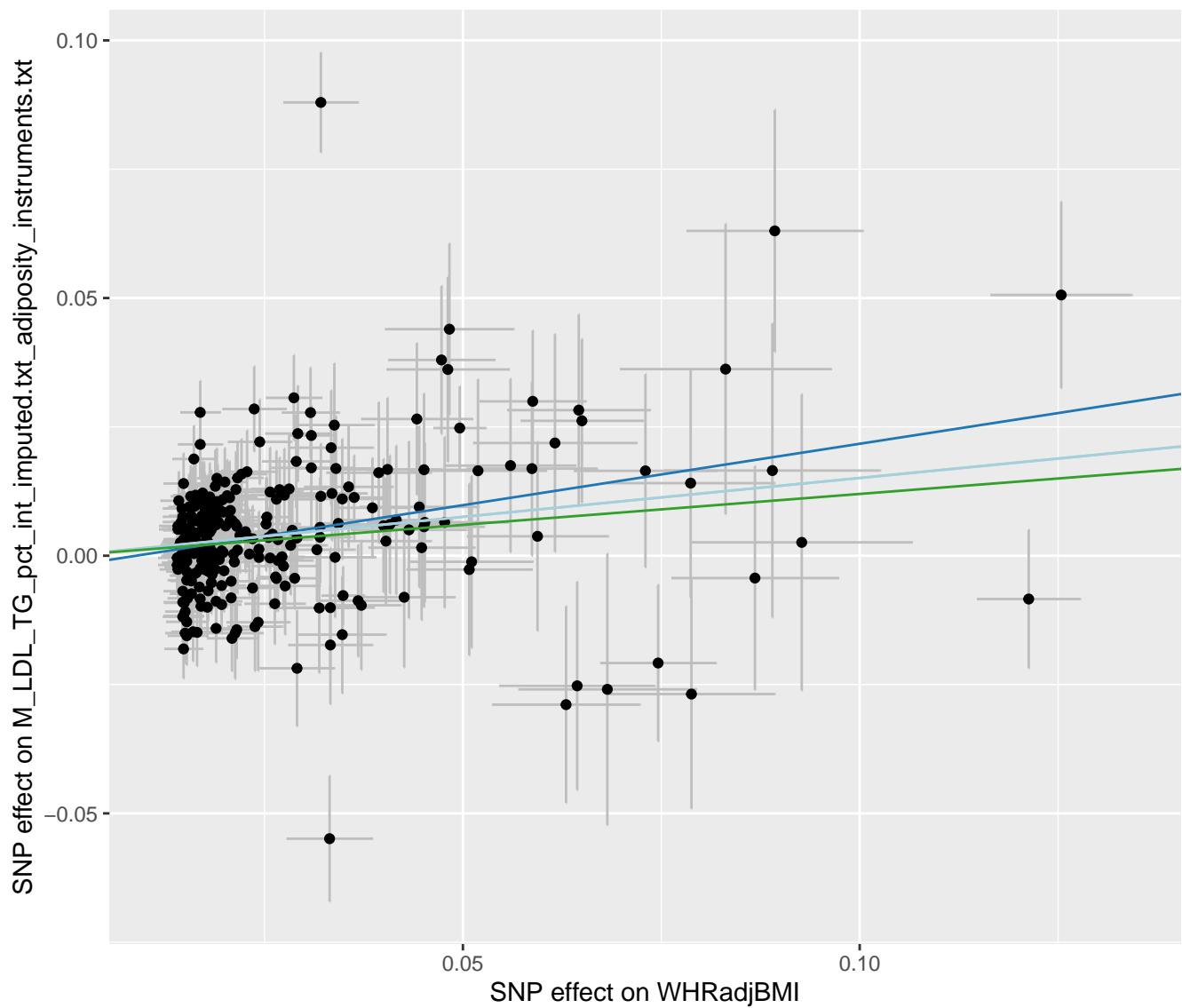
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



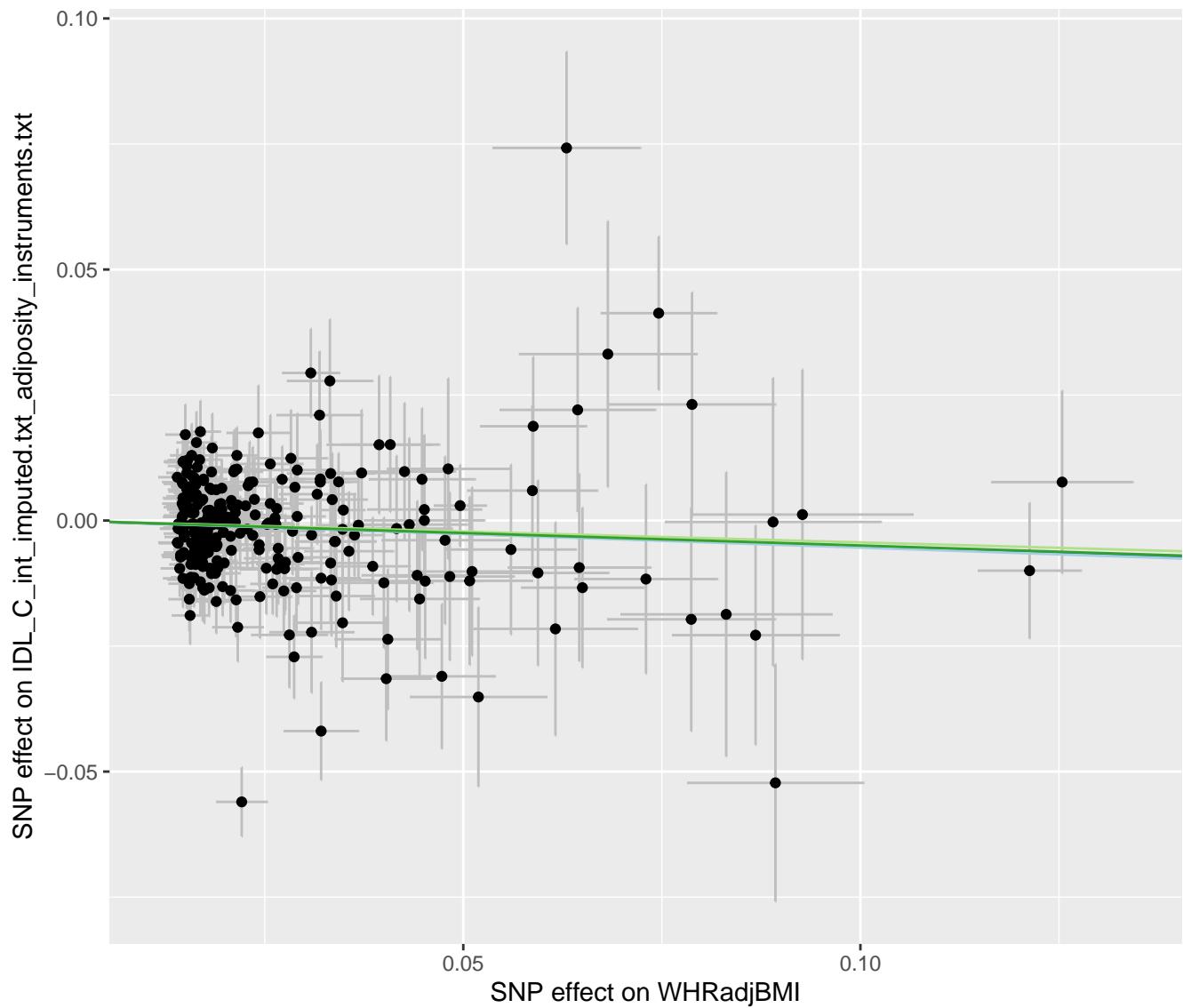
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



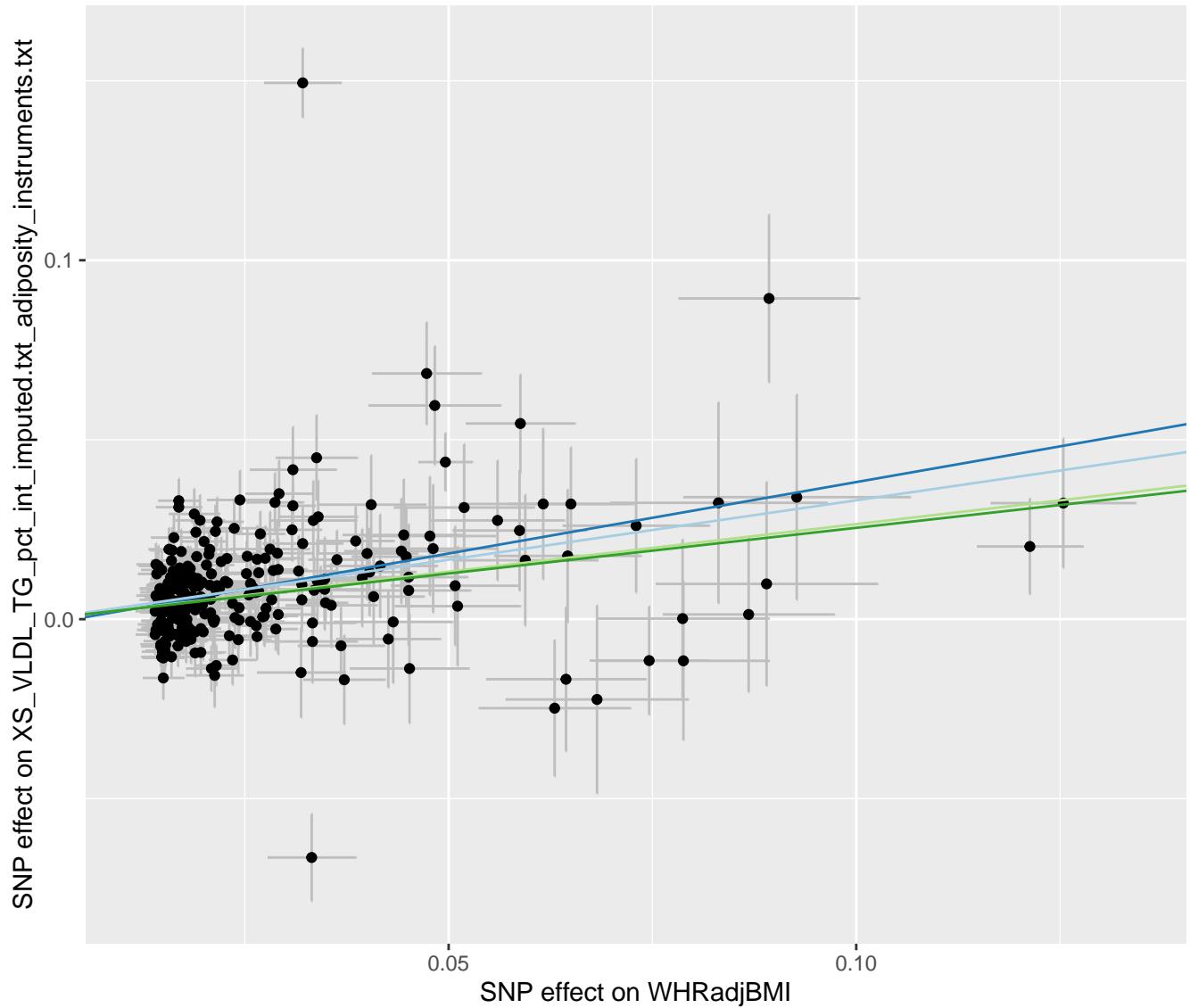
MR Egger



Weighted median



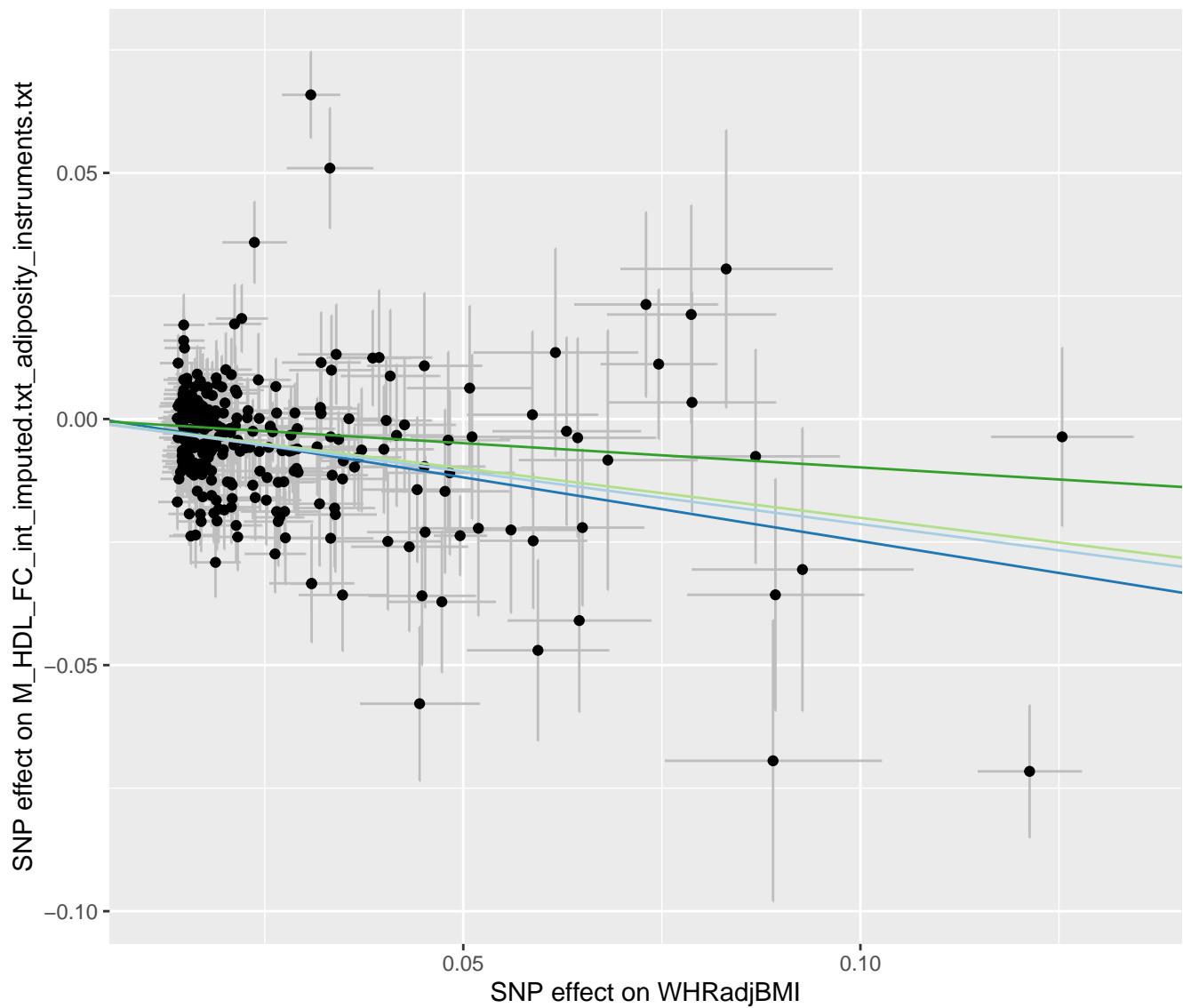
Weighted mode



# MR Test

Inverse variance weighted (multiplicative random effects)  
MR Egger

Weighted median  
Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



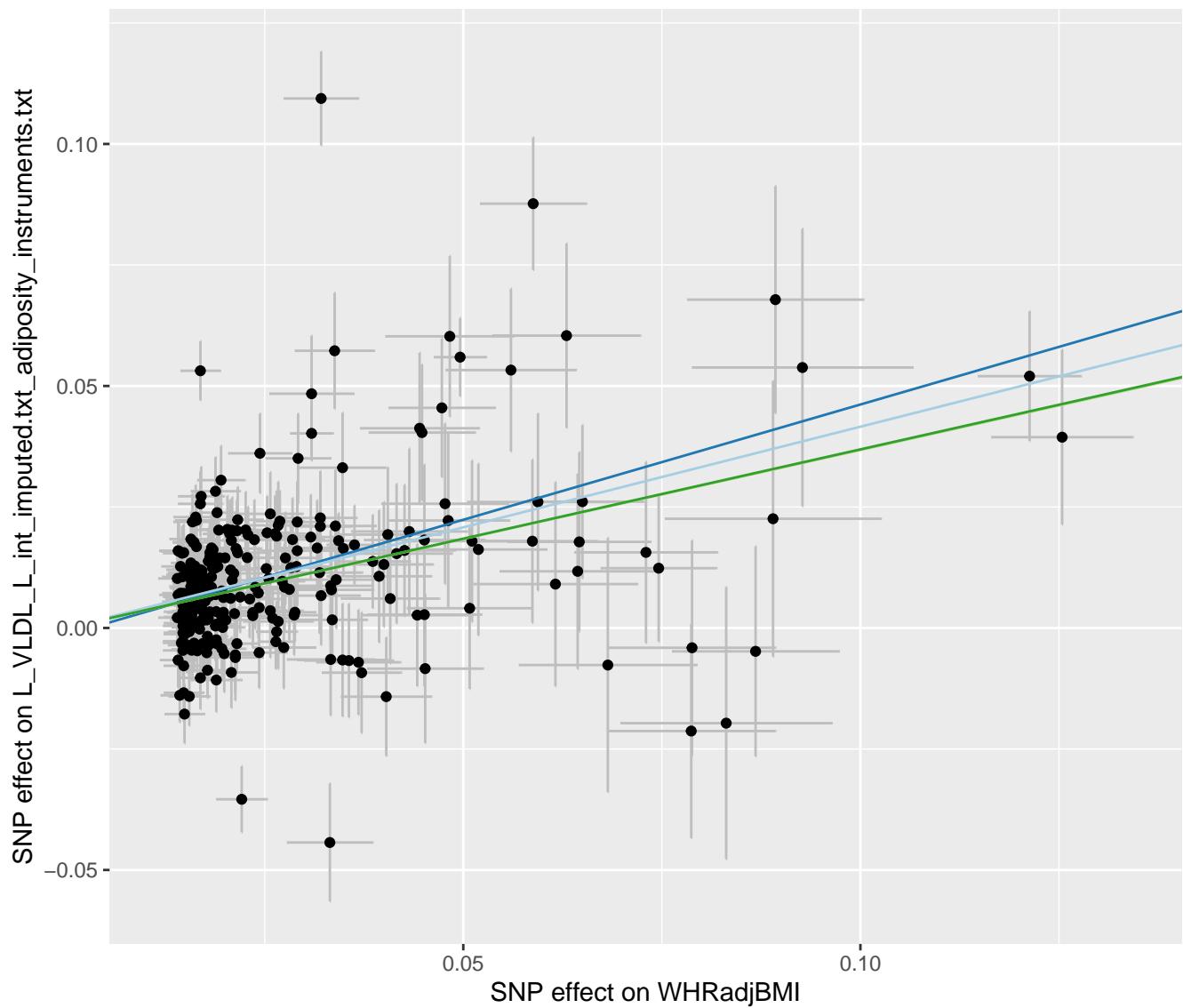
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



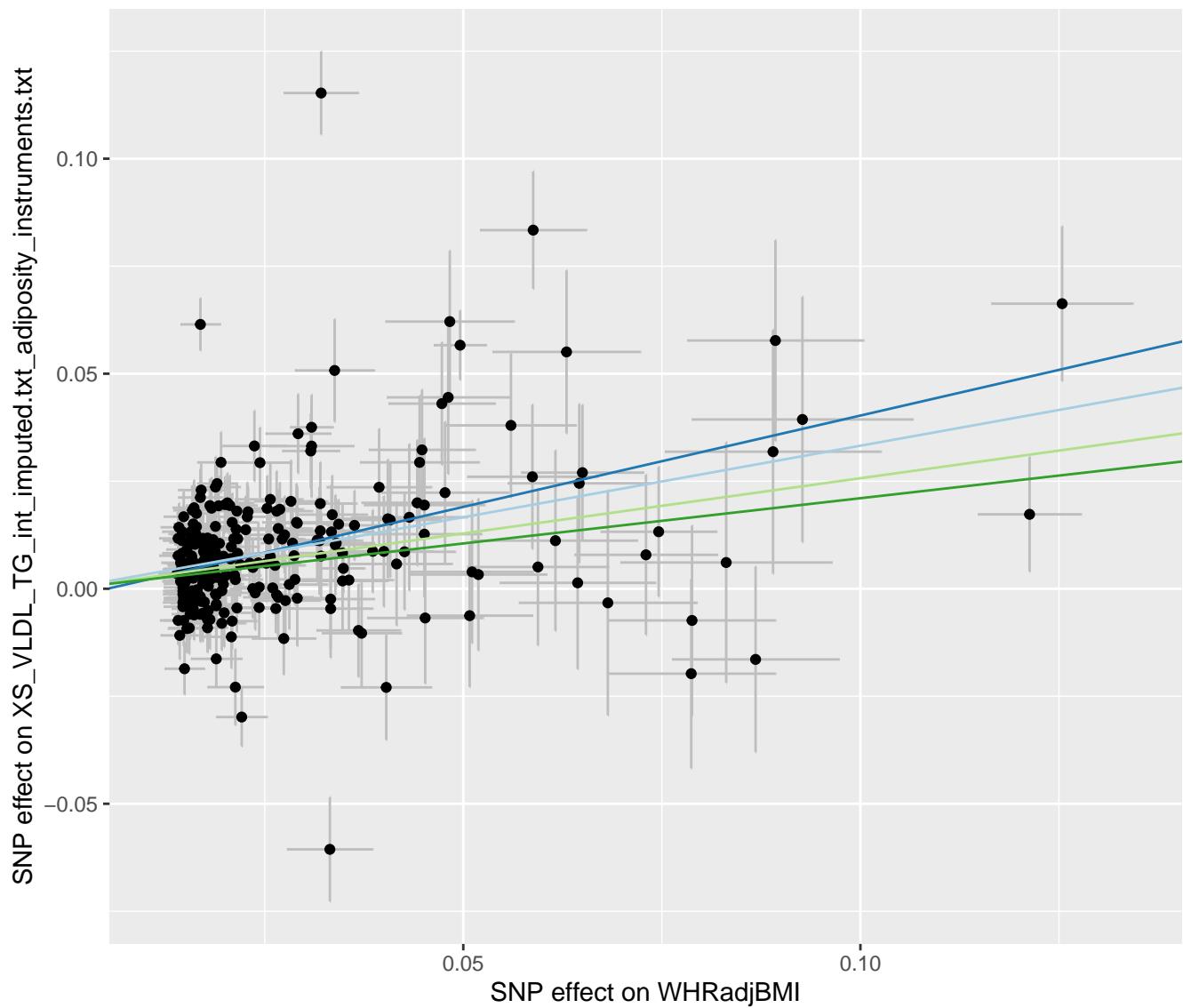
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



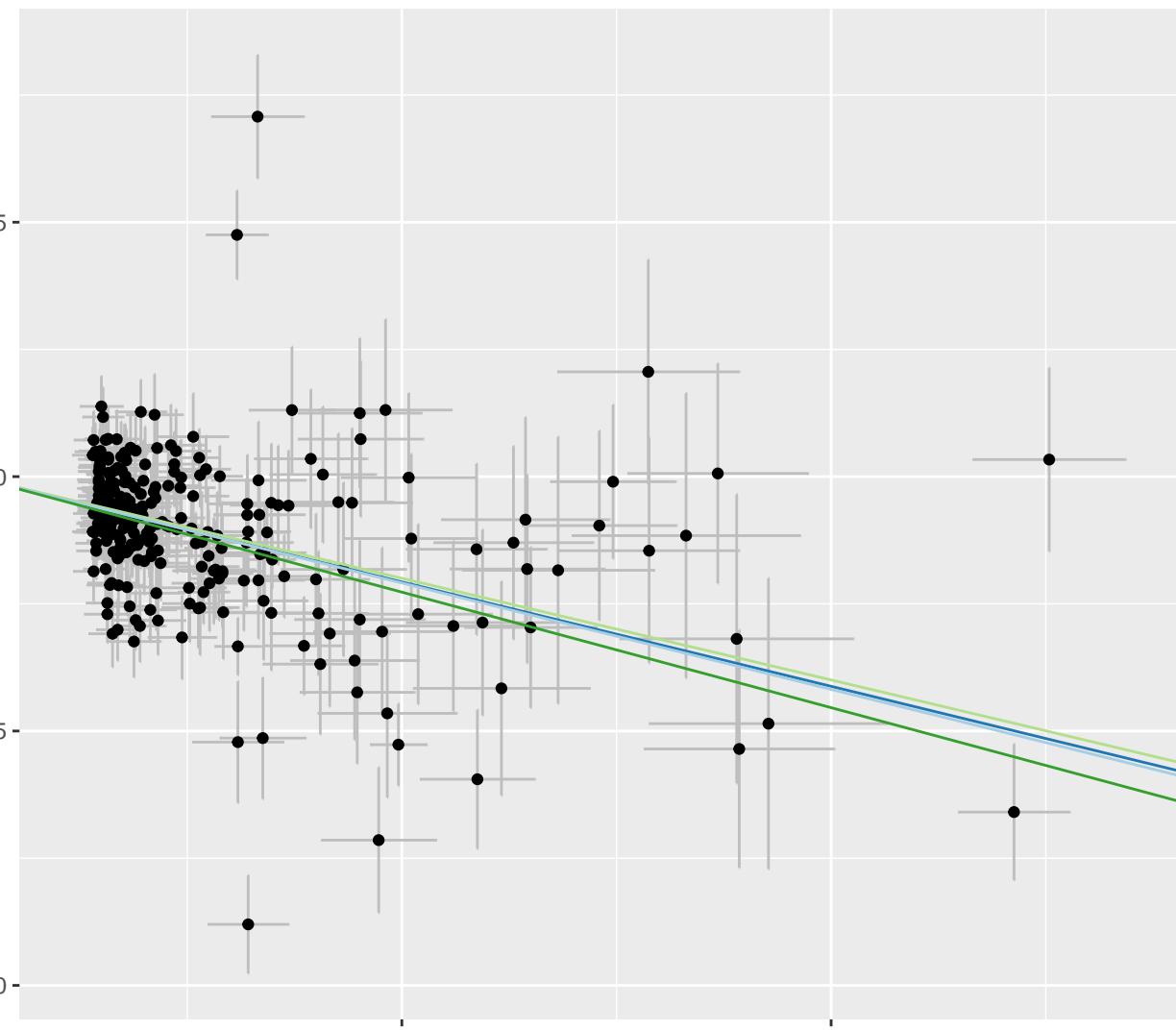
Weighted median



Weighted mode

SNP effect on XL\_HDL\_C\_int\_imputed.txt\_adiposity\_instruments.txt

SNP effect on WHRadjBMI



### MR Test



Inverse variance weighted (multiplicative random effects)



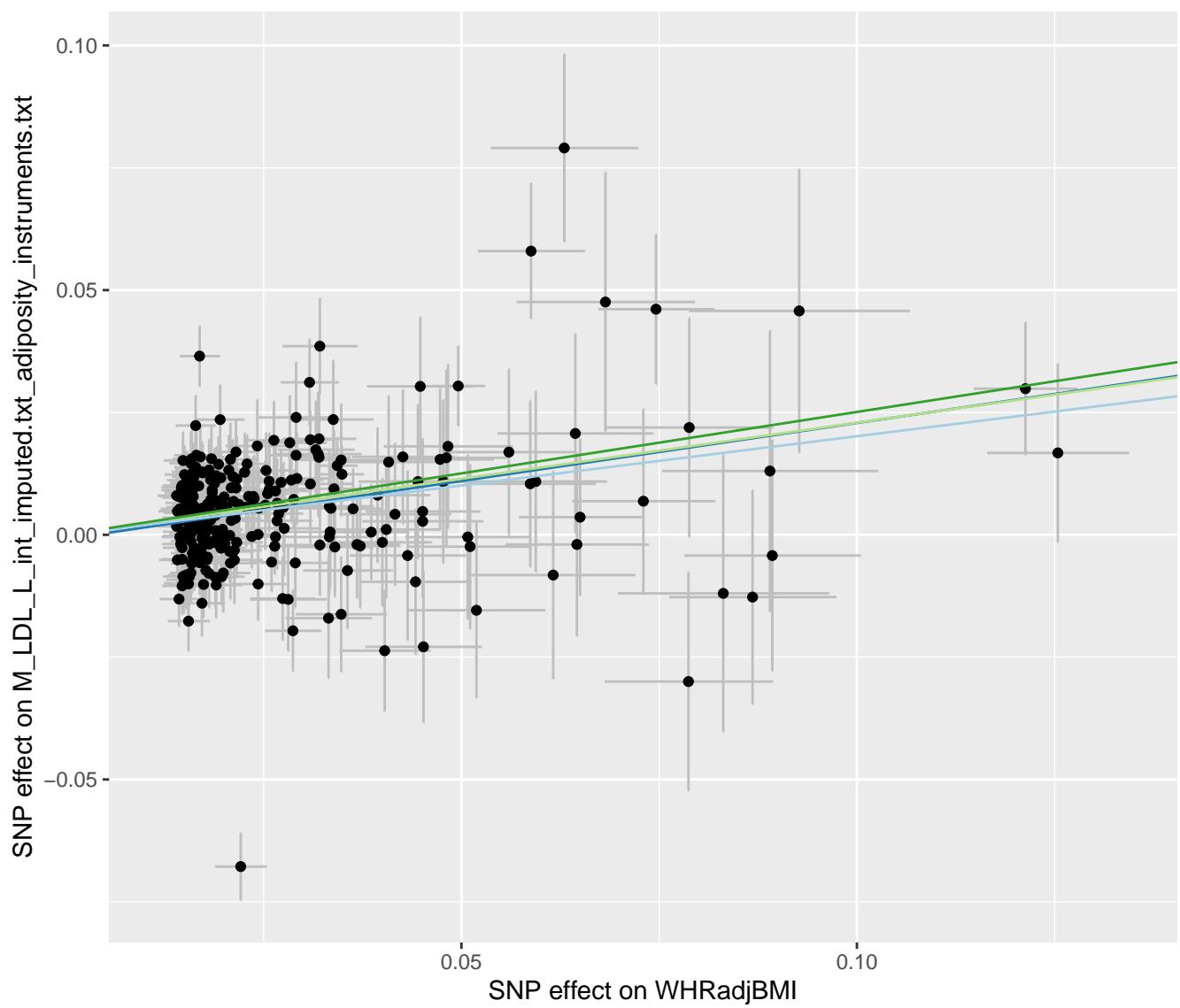
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



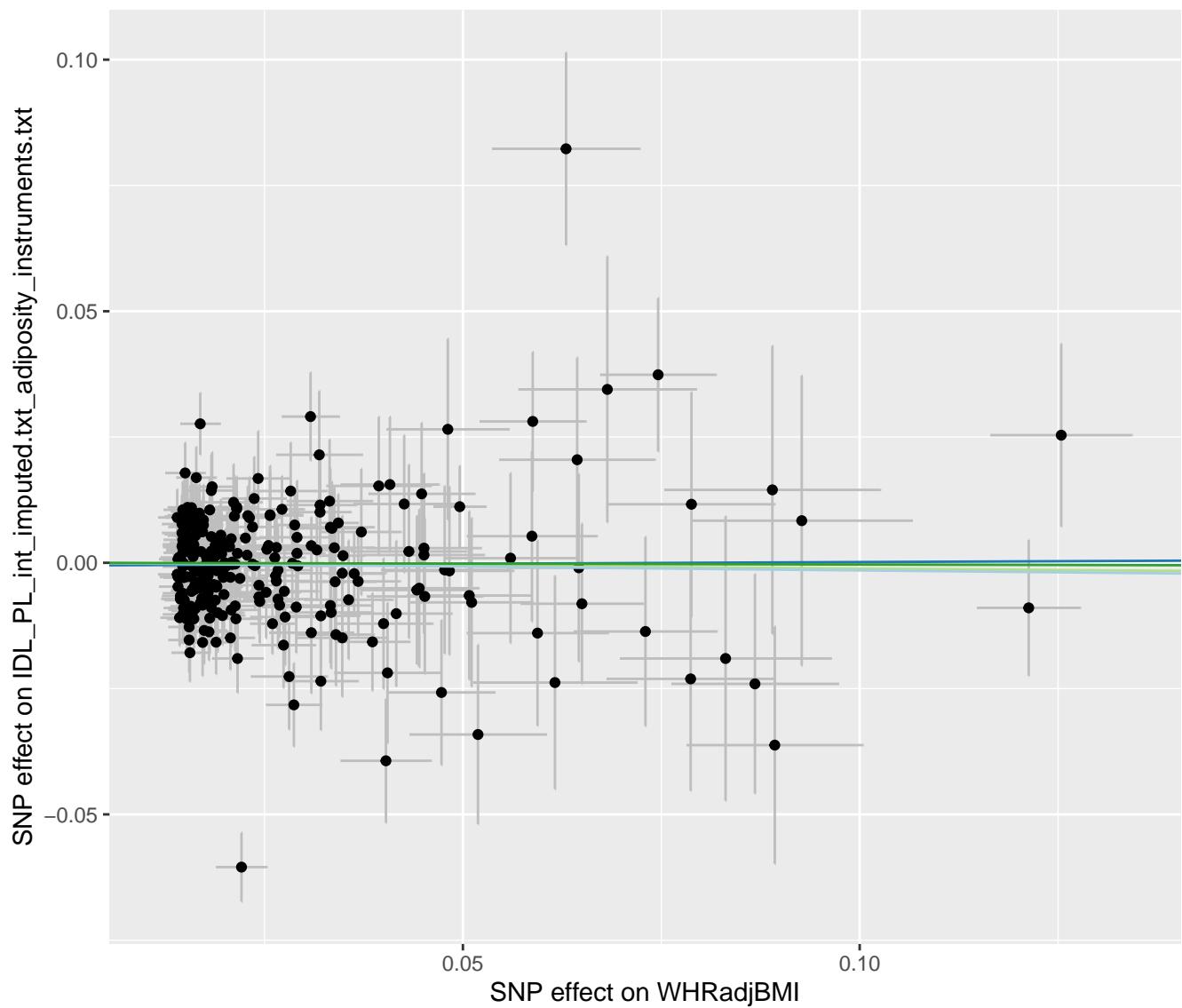
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



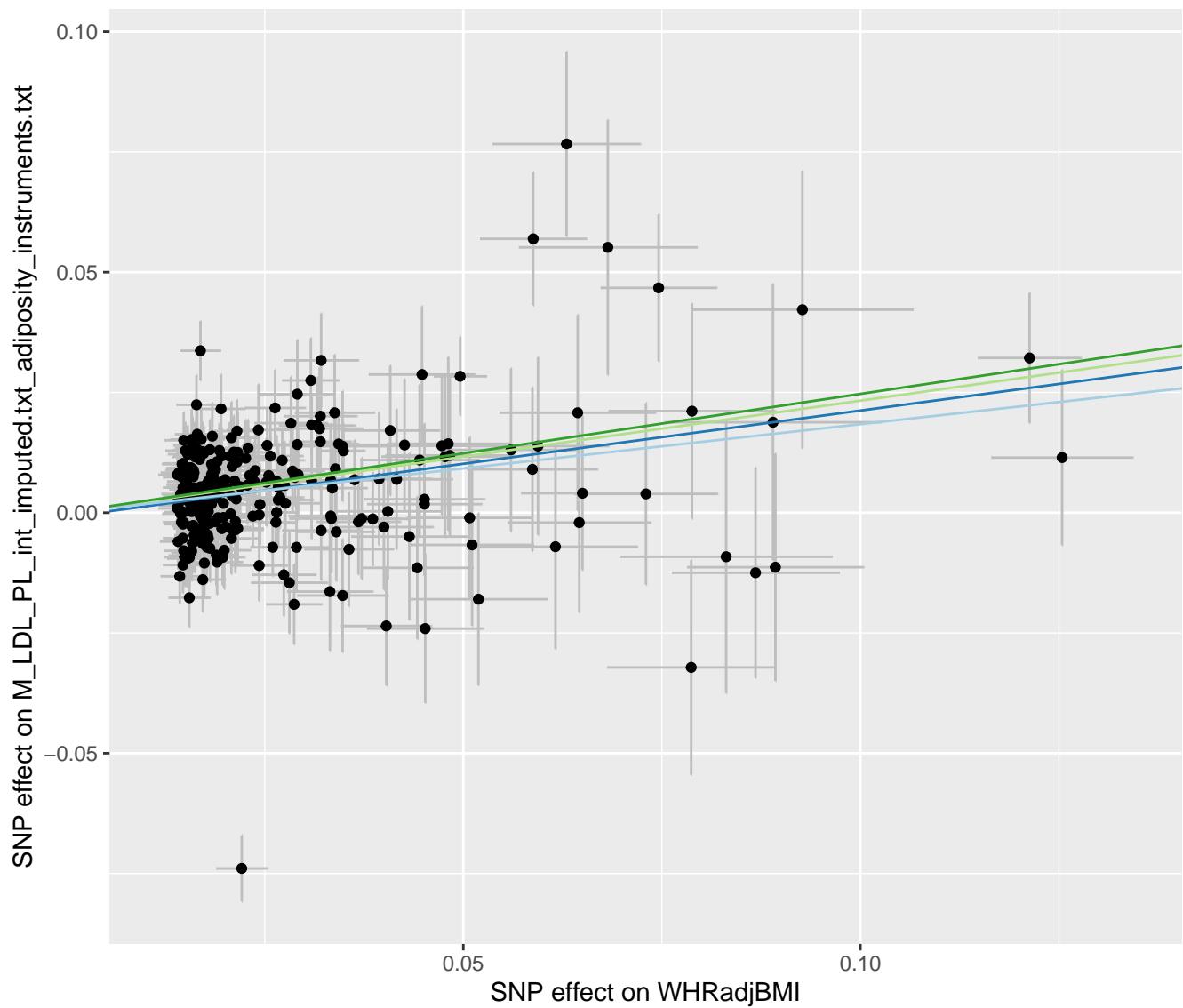
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger

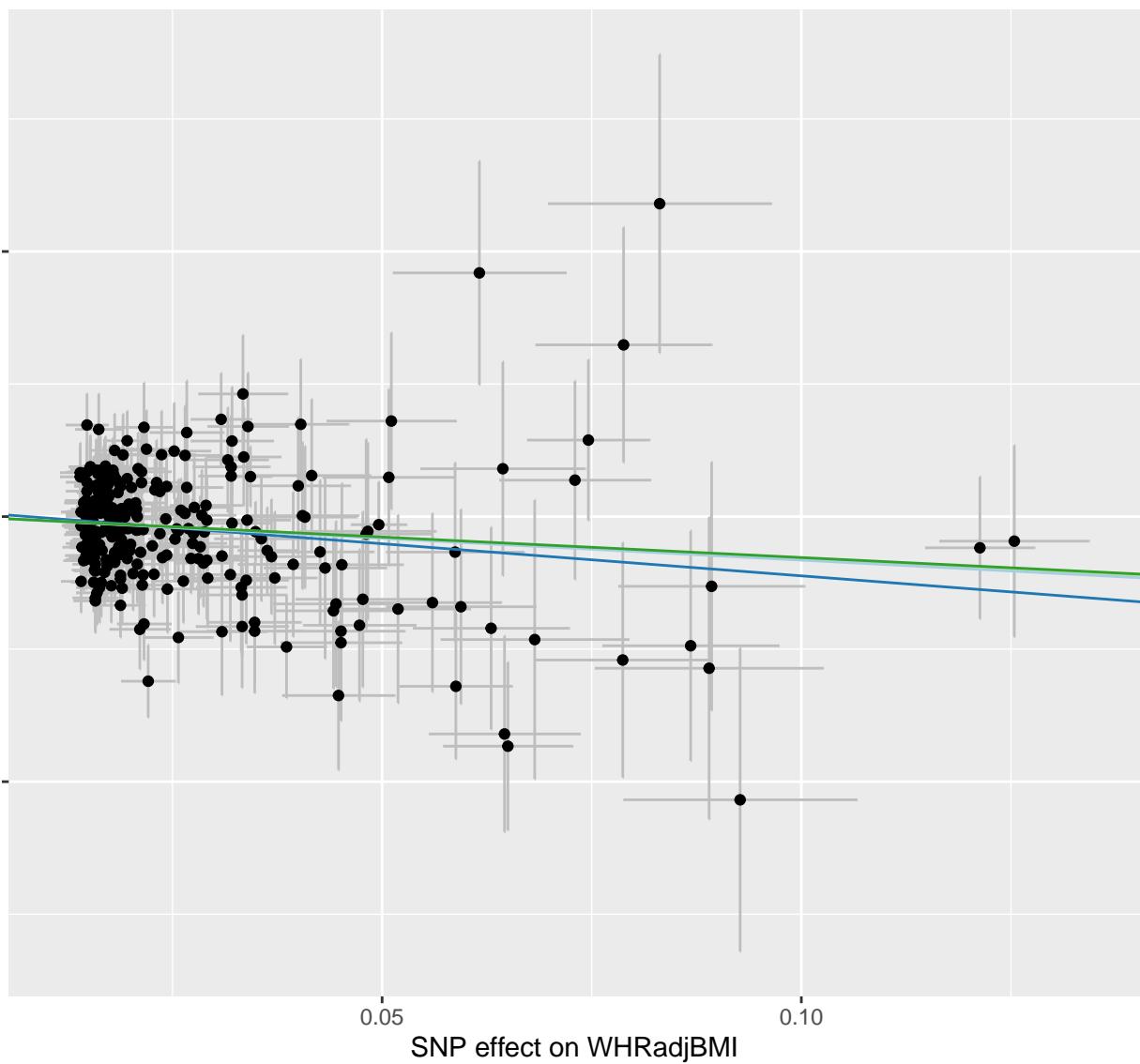


Weighted median



Weighted mode

SNP effect on bOHBbutyrate\_int\_imputed.txt\_adiposity\_instruments.txt



### MR Test



Inverse variance weighted (multiplicative random effects)



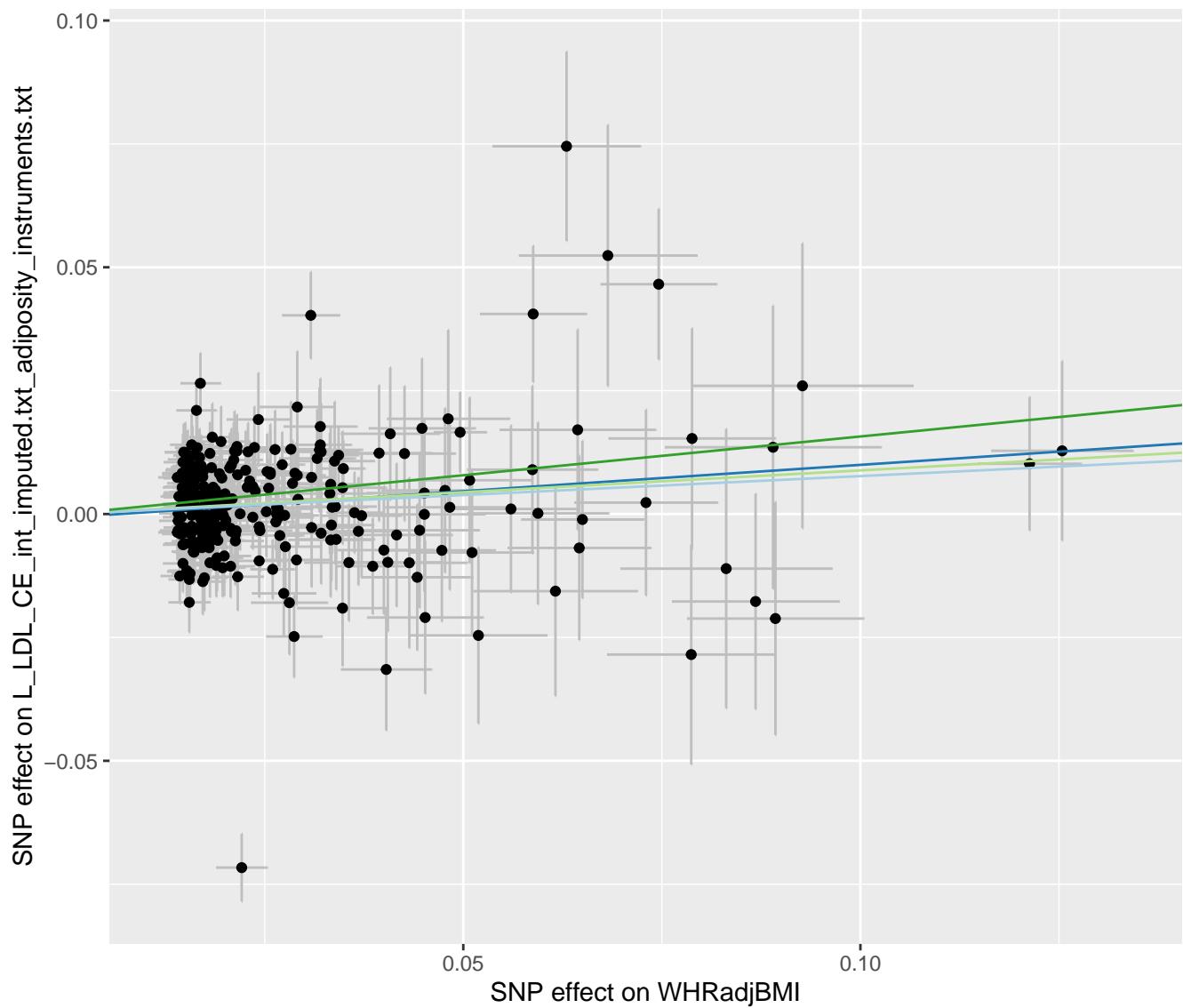
MR Egger



Weighted median



Weighted mode



### MR Test



Inverse variance weighted (multiplicative random effects)



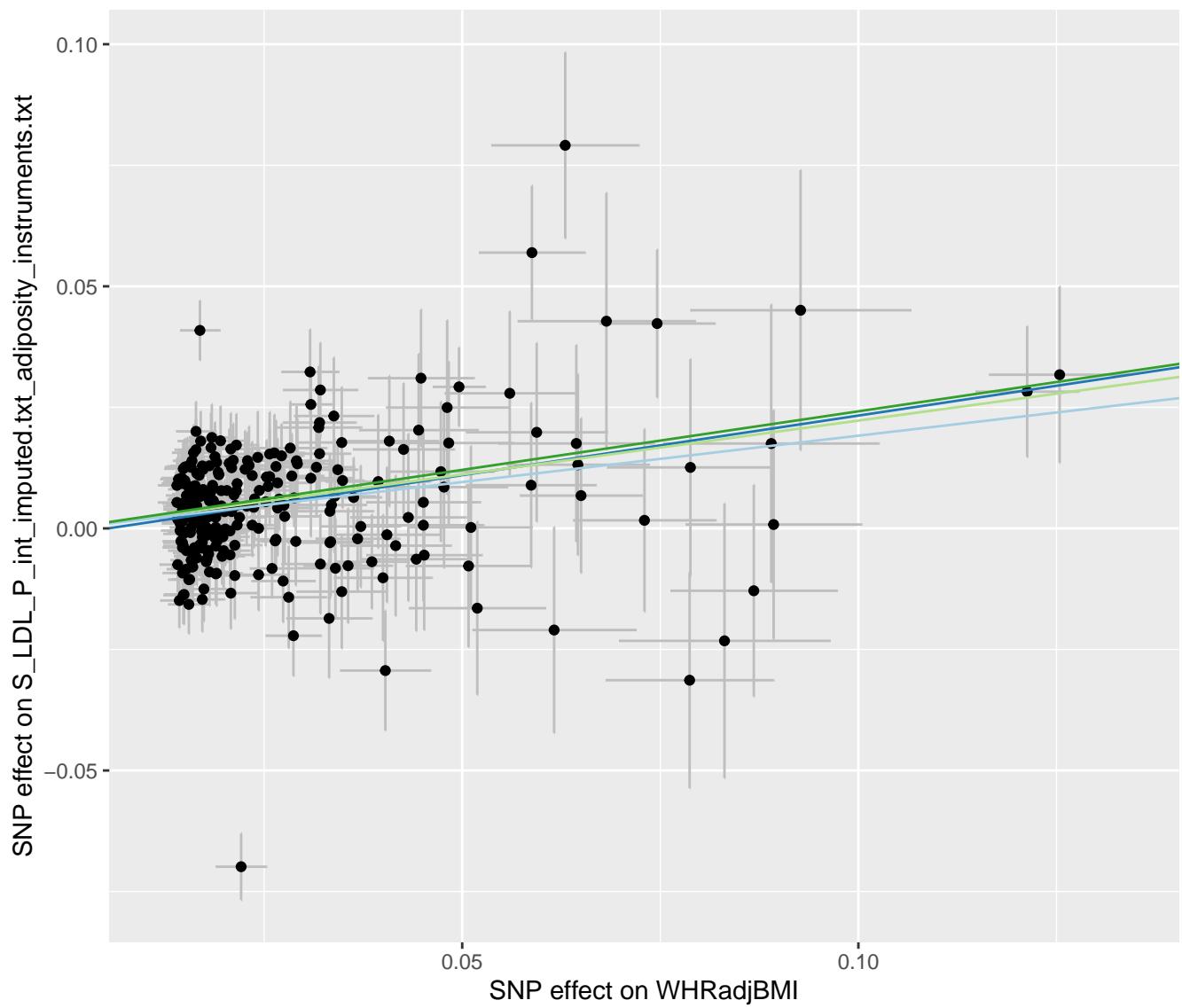
MR Egger



Weighted median



Weighted mode



## MR Test



Inverse variance weighted (multiplicative random effects)



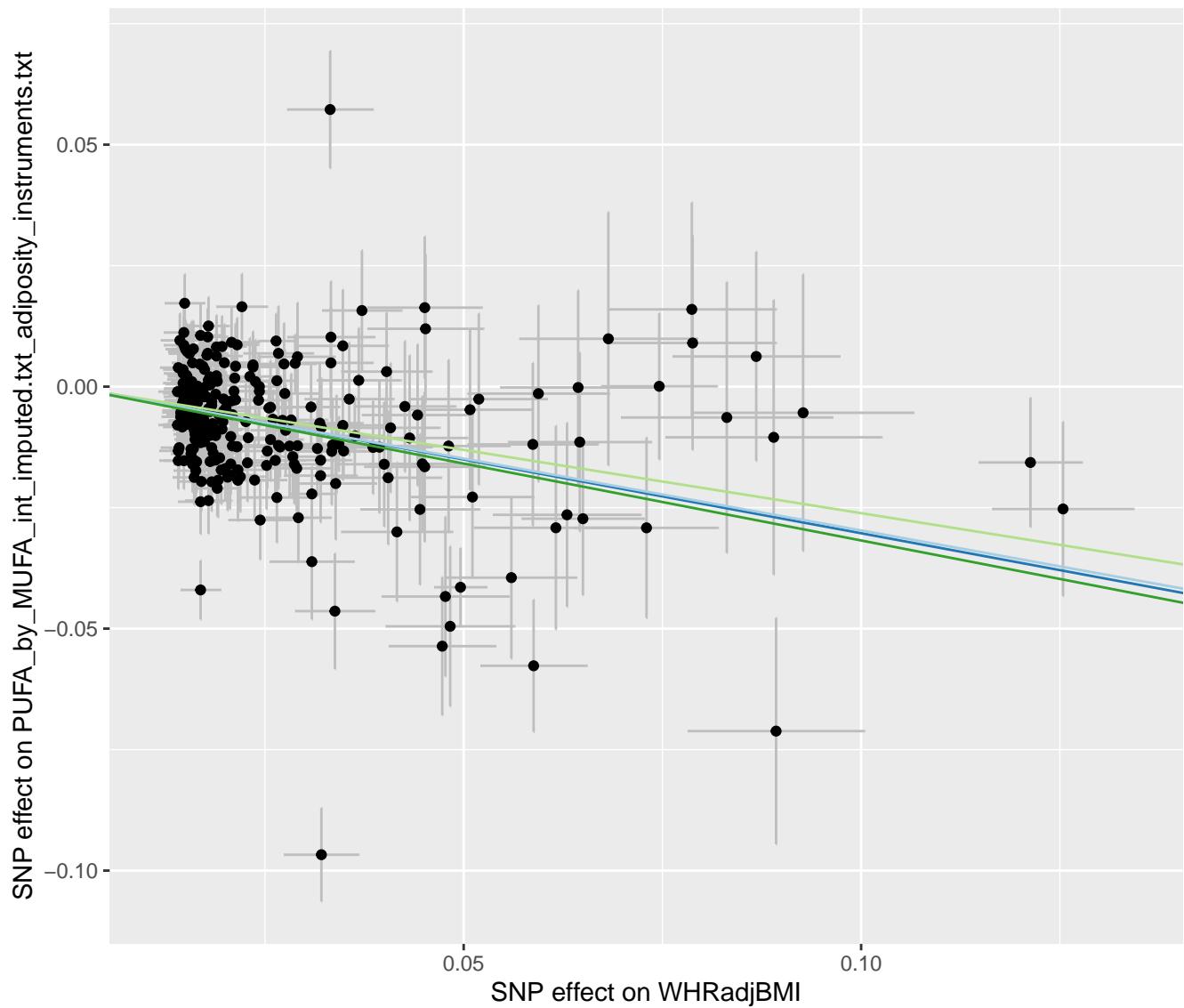
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



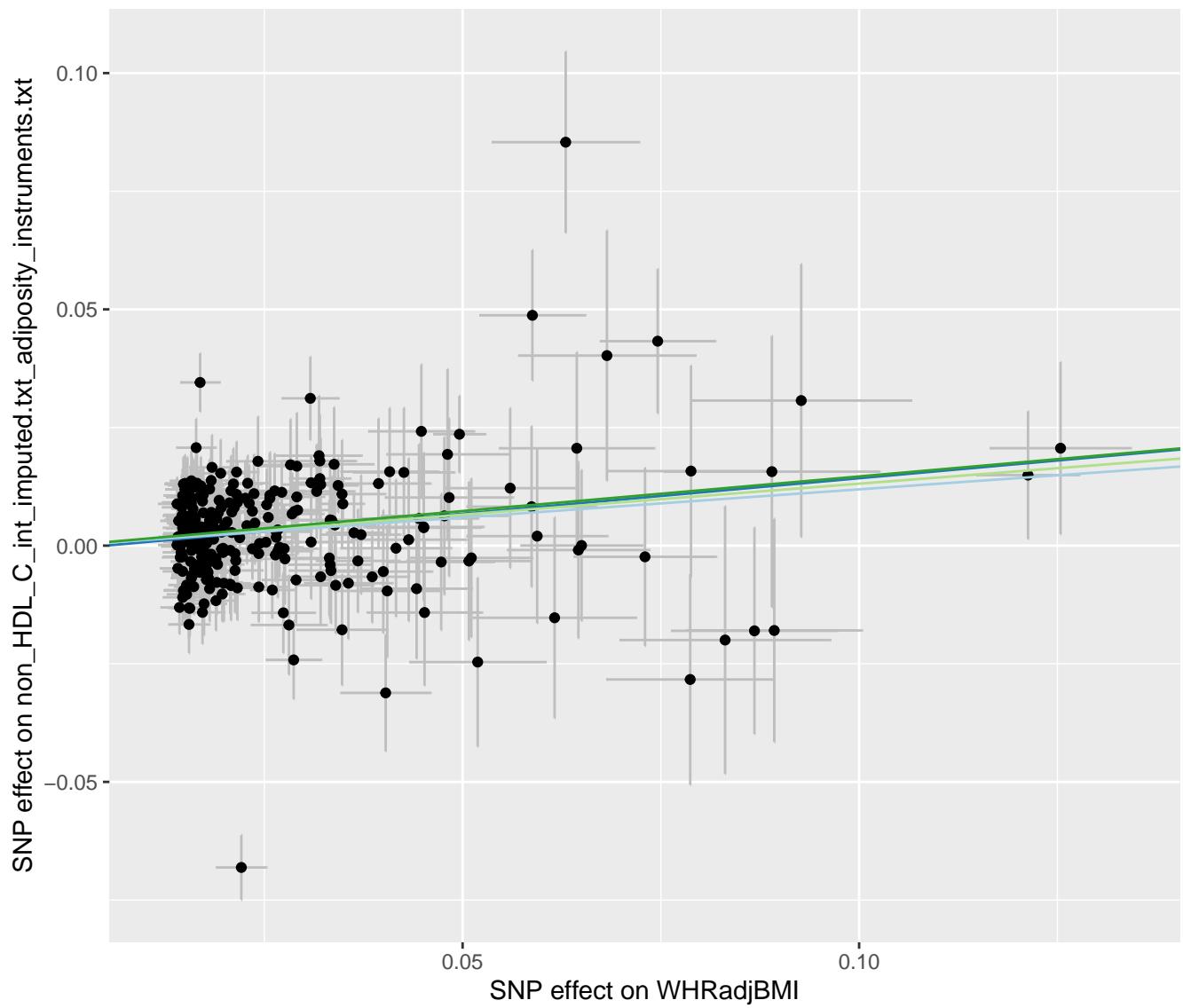
MR Egger



Weighted median



Weighted mode



# MR Test



Inverse variance weighted (multiplicative random effects)



MR Egger



Weighted median



Weighted mode

