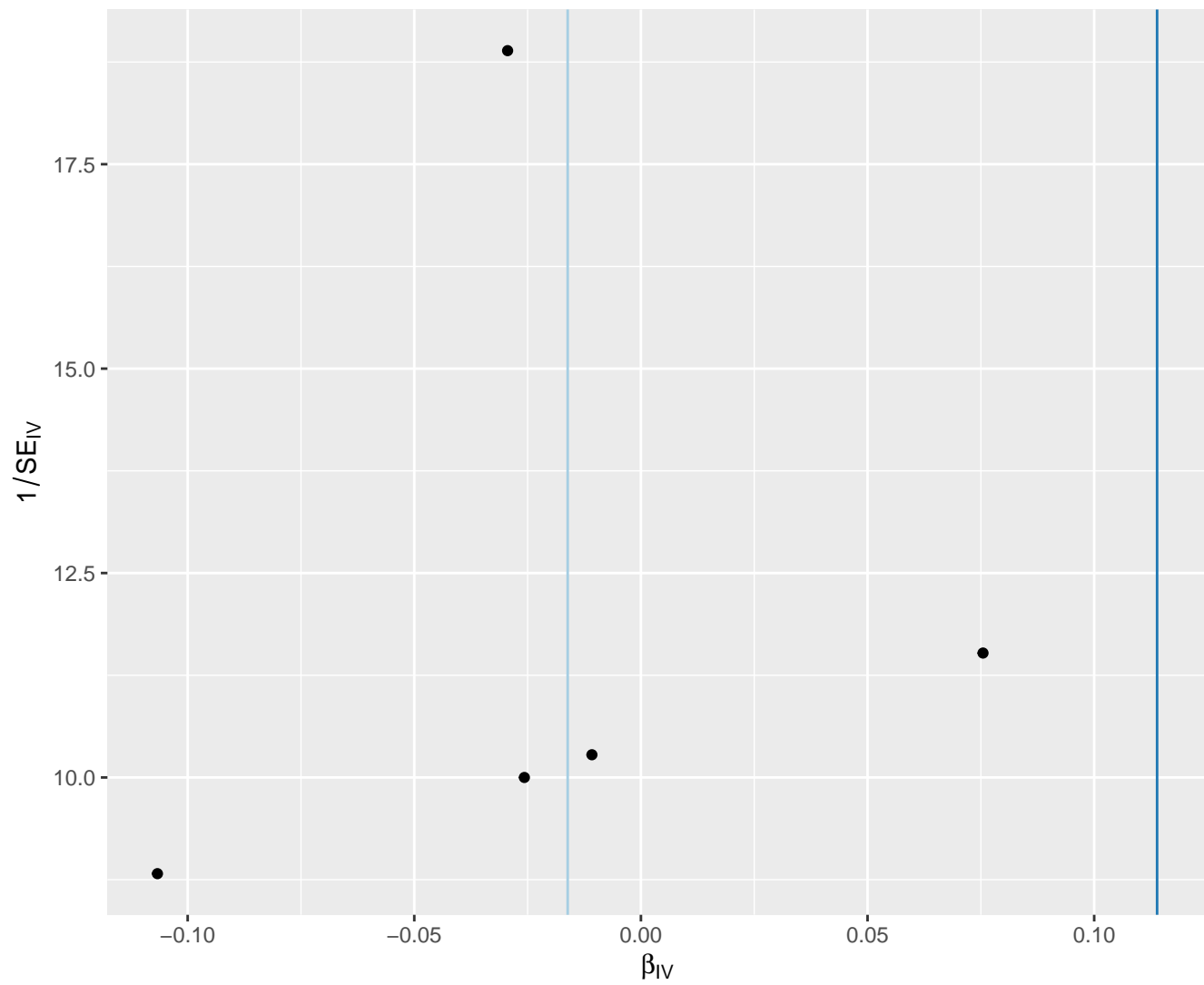
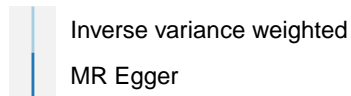


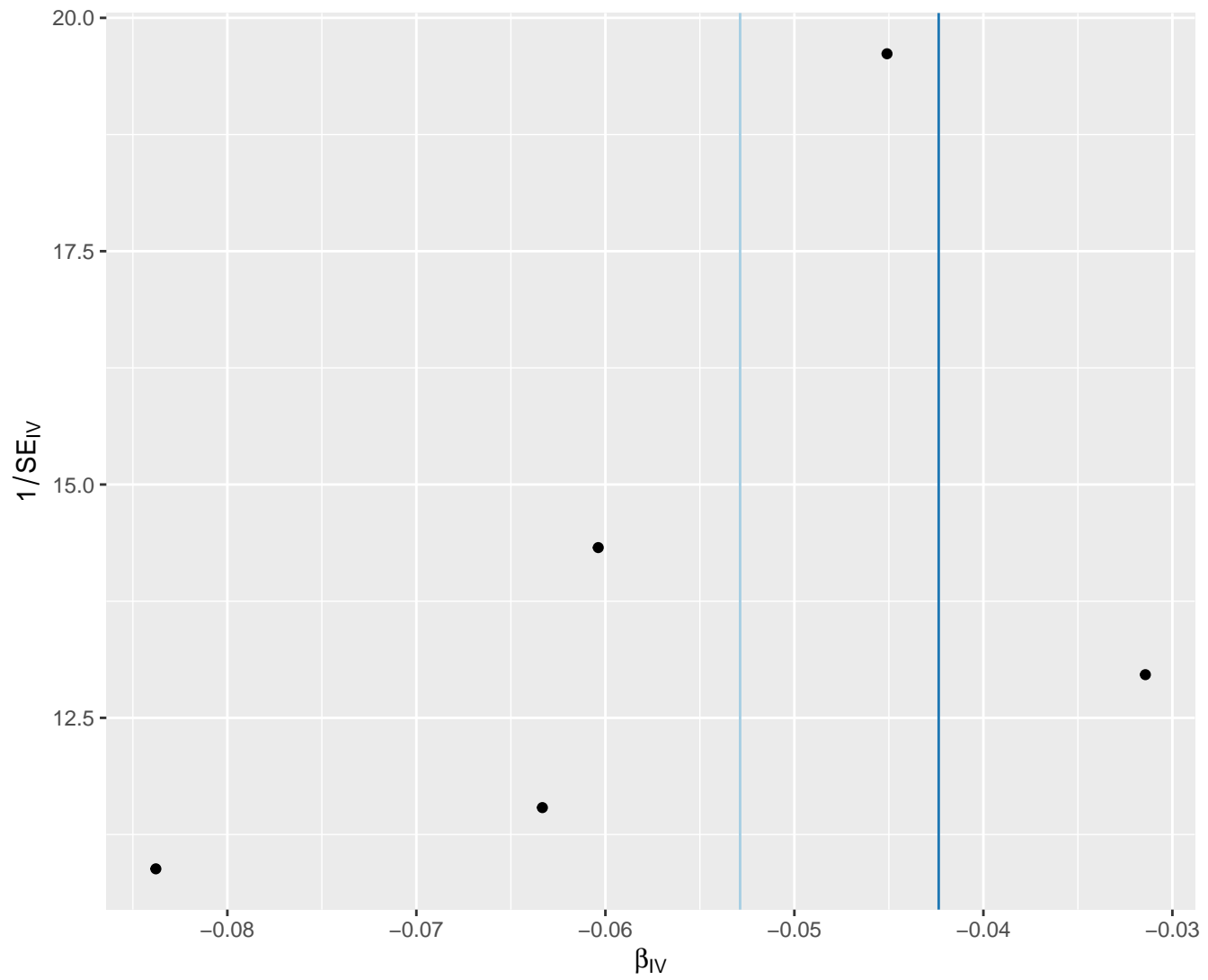
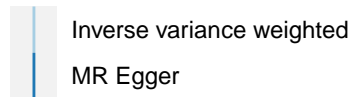
# 1-arachidonoylglycerophosphocholine\*

MR Method



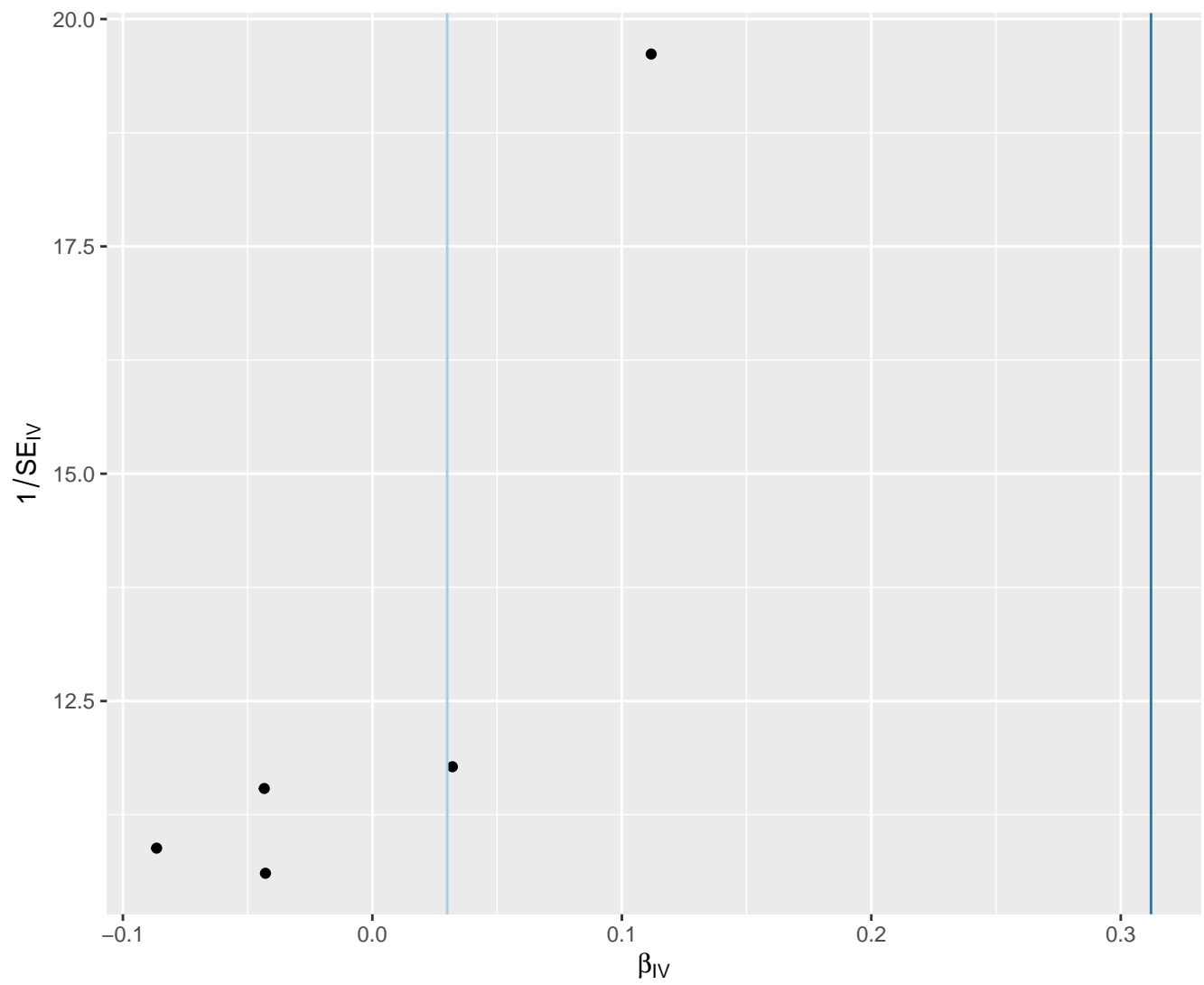
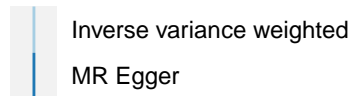
# 1-arachidonoylglycerophosphoethanolamine\*

MR Method



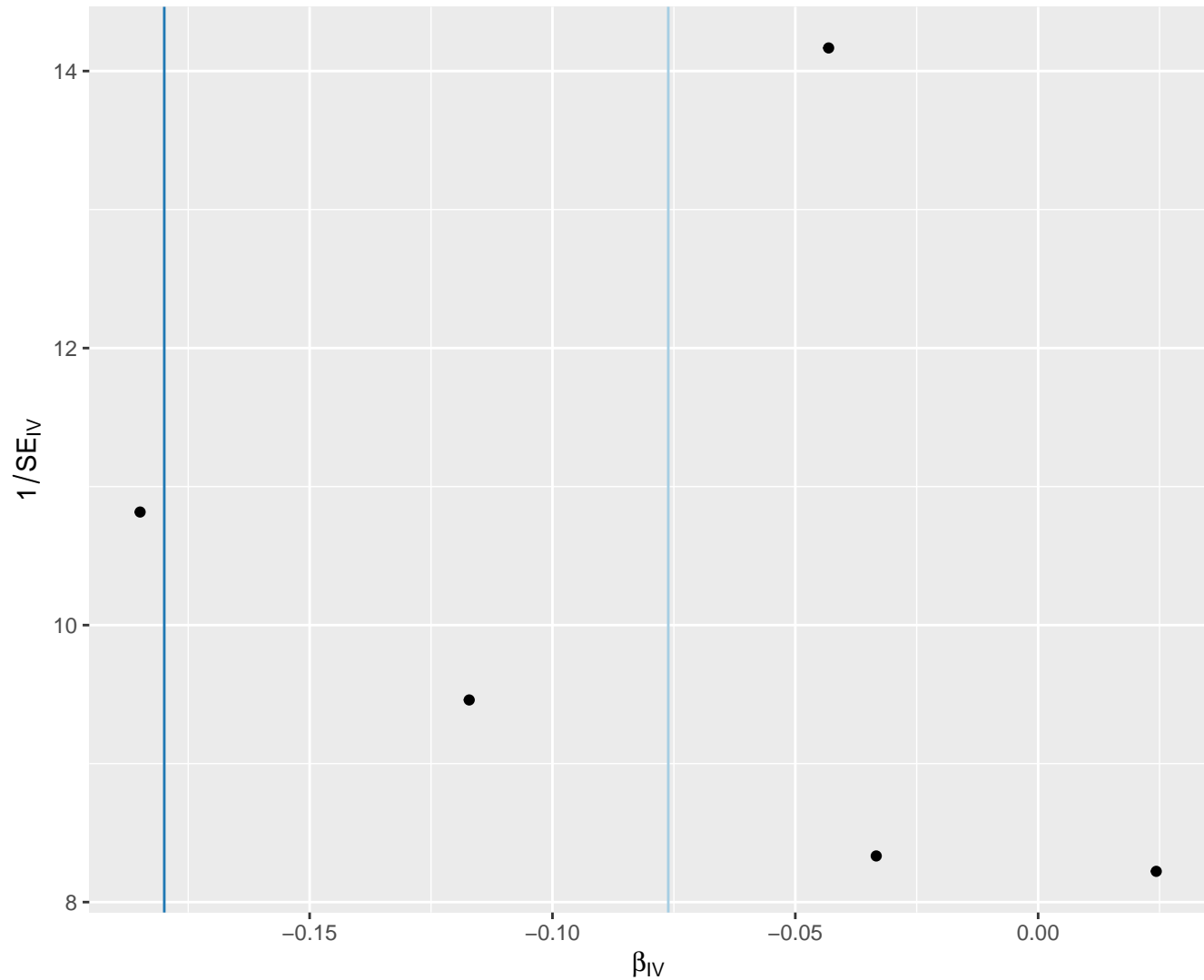
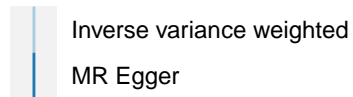
# 1-arachidonoylglycerophosphoinositol\*

MR Method



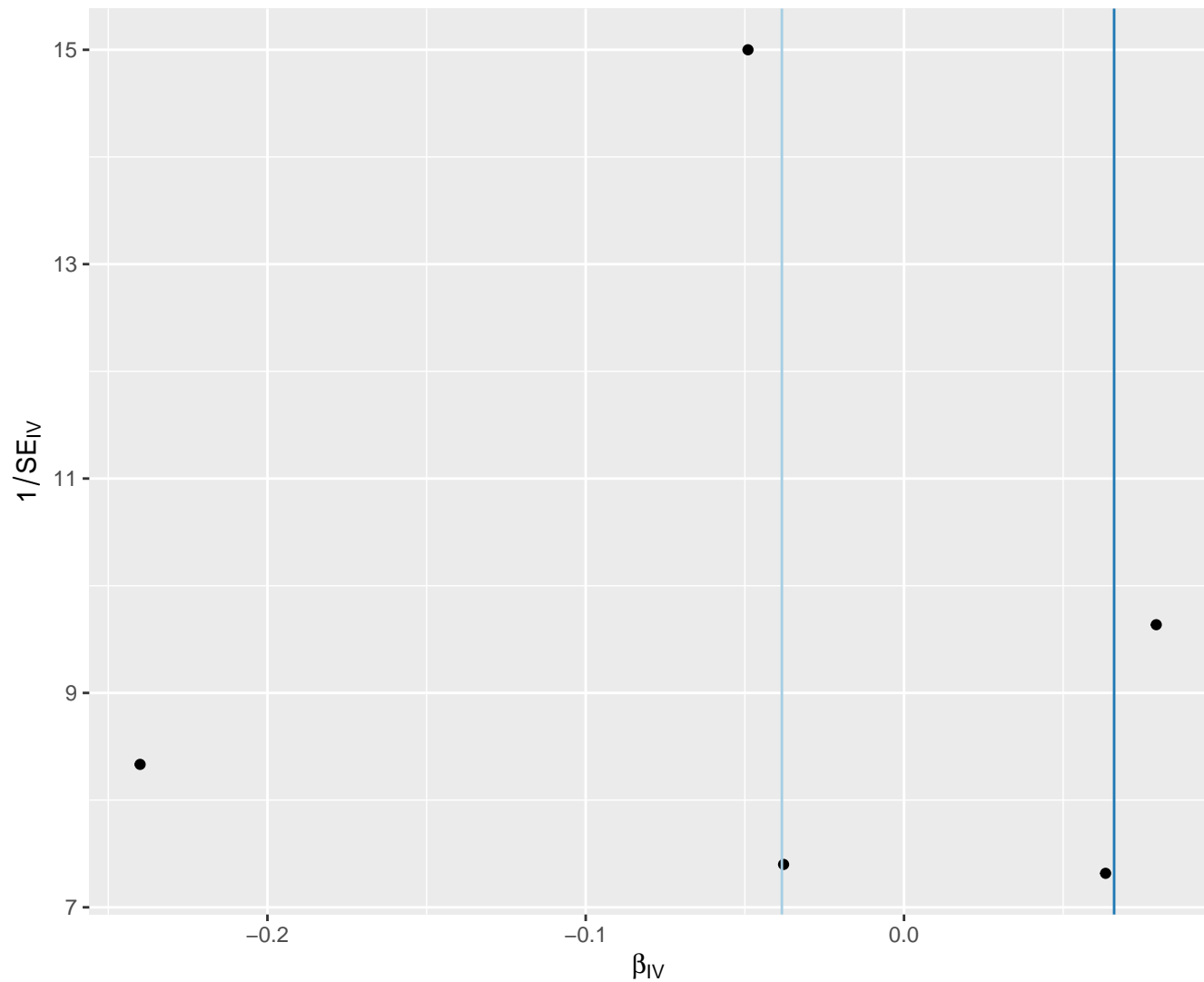
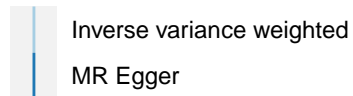
# 1-docosahexaenoylglycerophosphocholine\*

MR Method



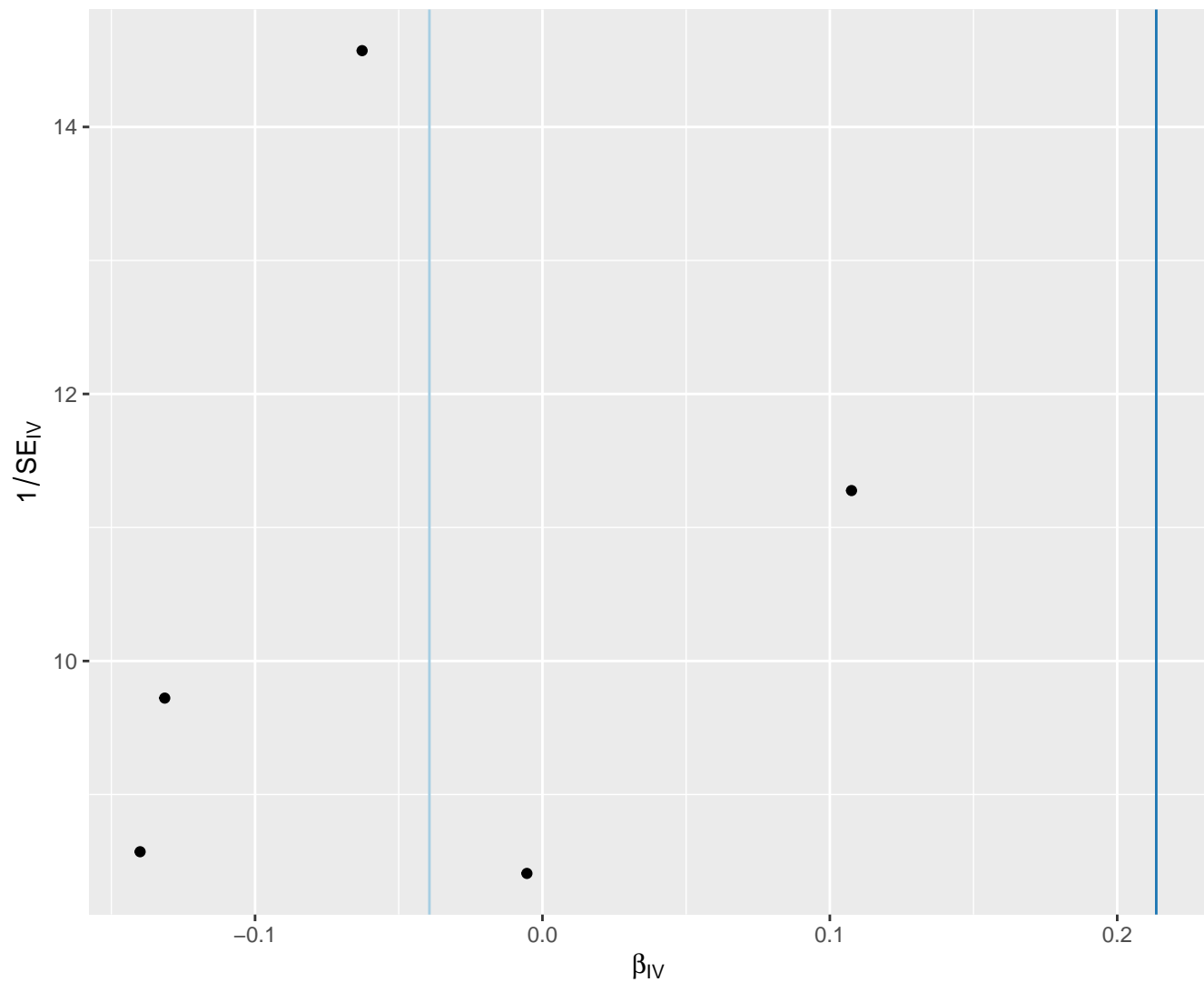
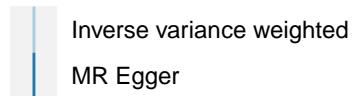
# 1-eicosadienoylglycerophosphocholine\*

MR Method



# 1-eicosatrienoylglycerophosphocholine\*

MR Method



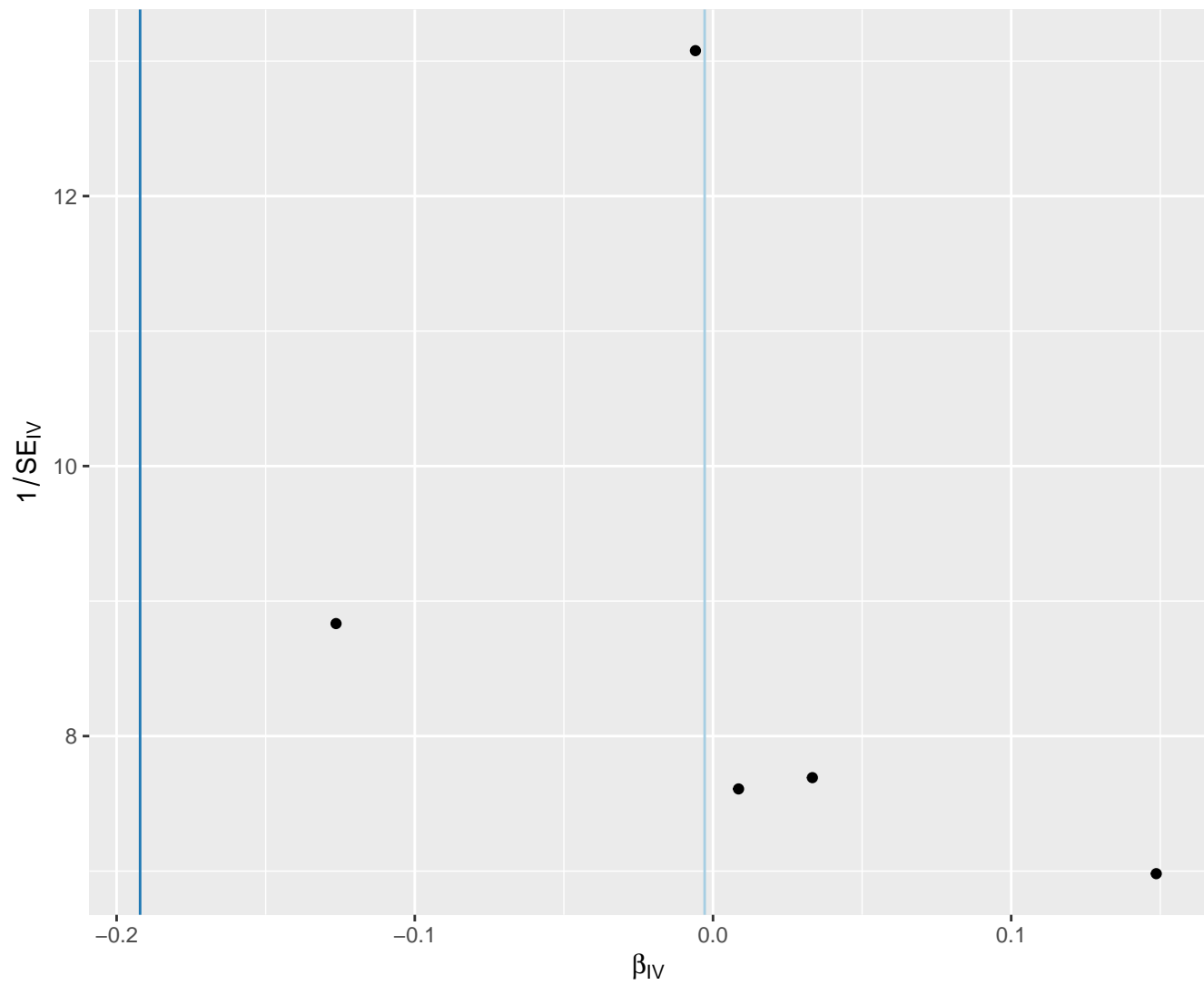
# 1-heptadecanoylglycerophosphocholine

MR Method



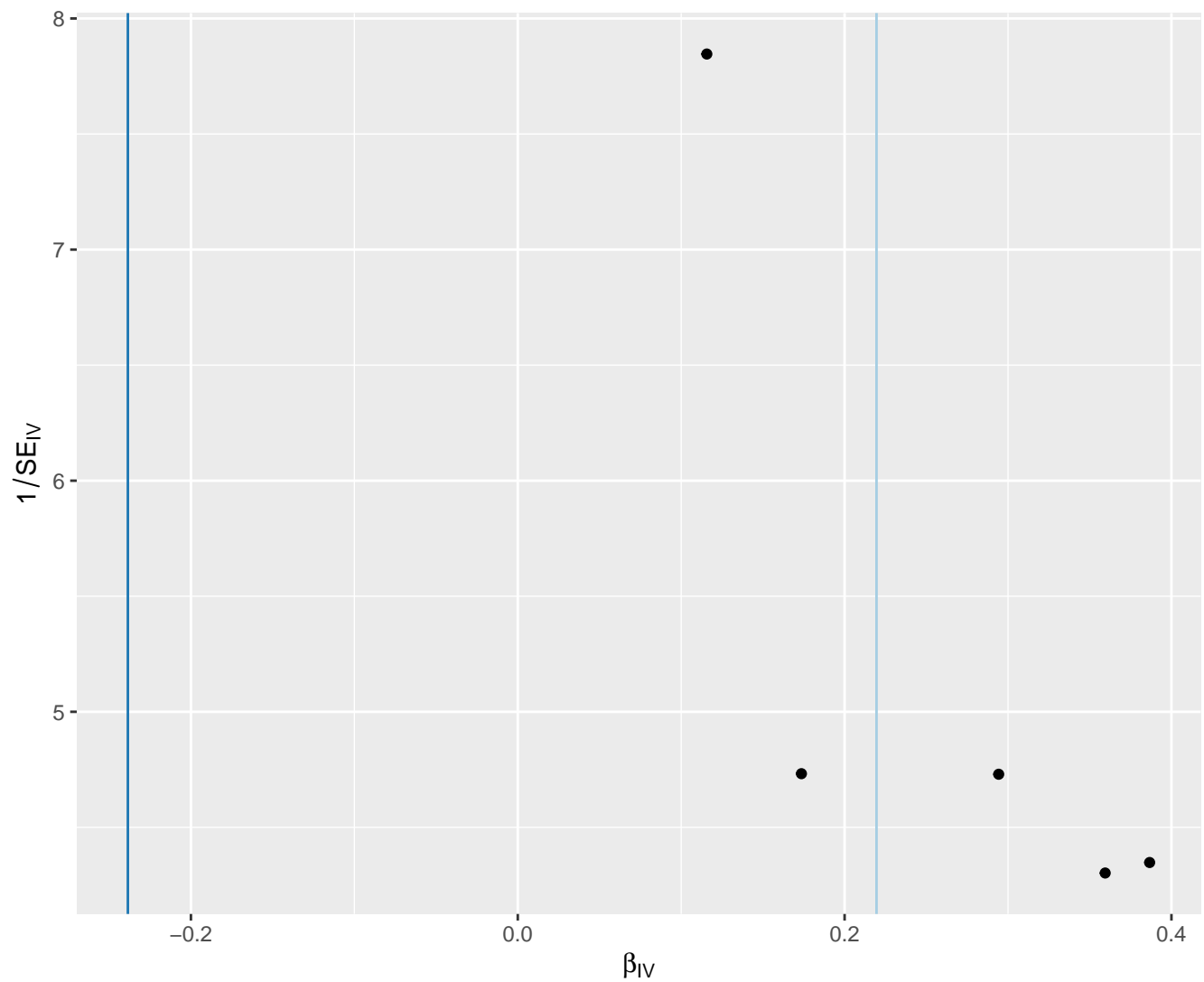
Inverse variance weighted

MR Egger



# 1-linoleoylglycerol (1-monolinolein)

MR Method





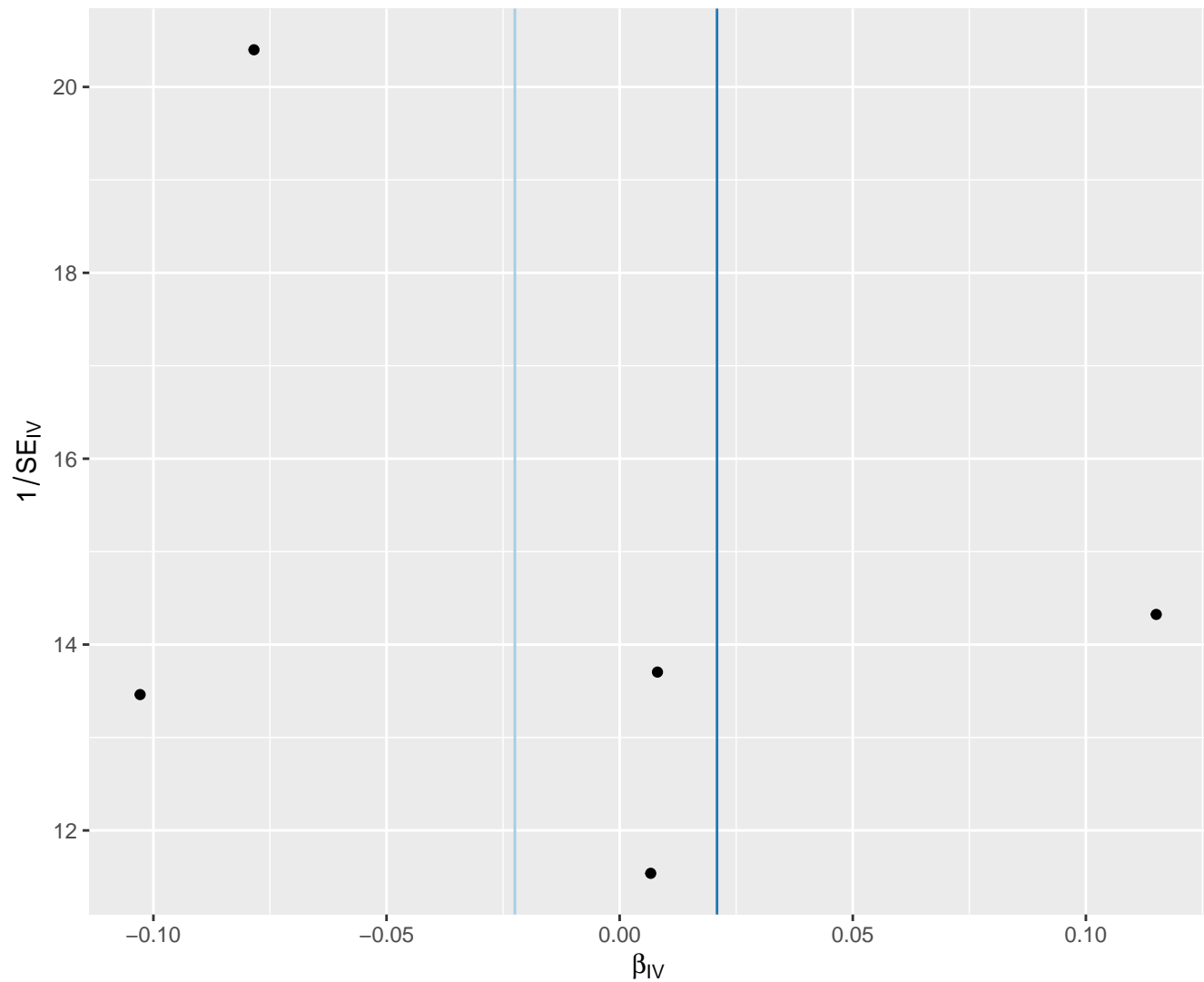
# 1-linoleoylglycerophosphocholine

MR Method



Inverse variance weighted

MR Egger



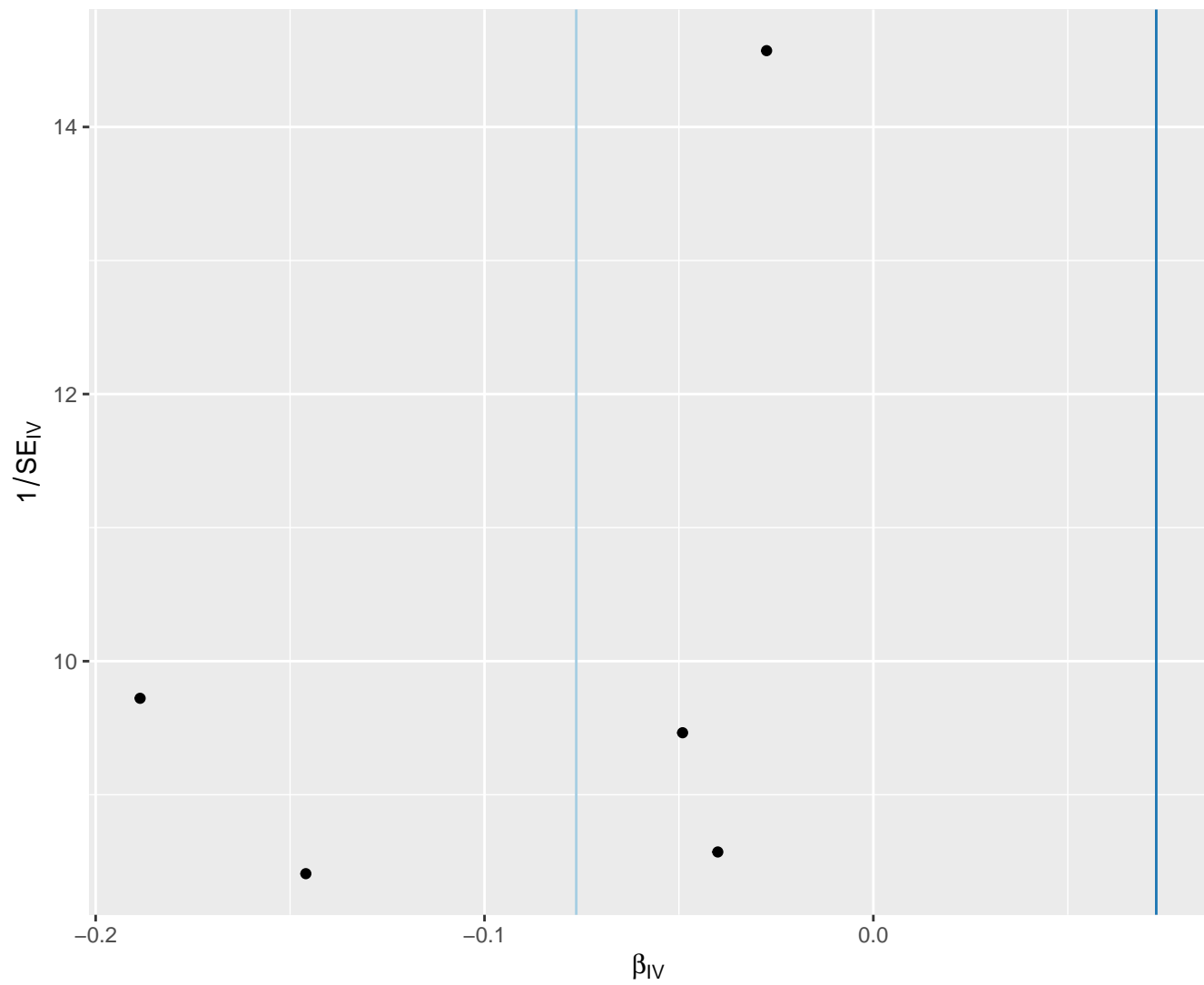
# 1-linoleoylglycerophosphoethanolamine\*

MR Method



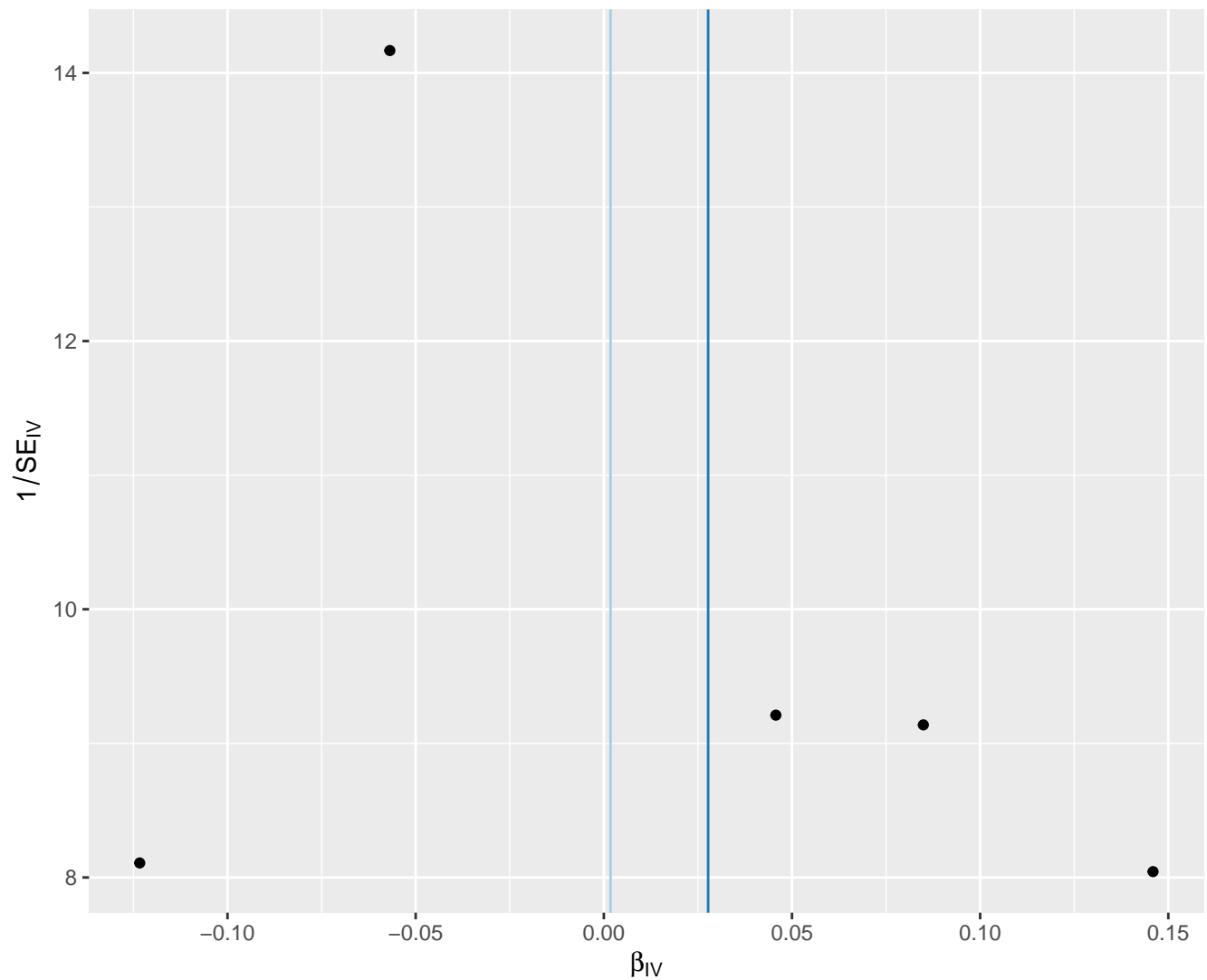
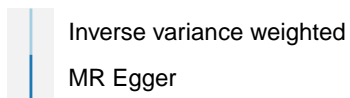
Inverse variance weighted

MR Egger



# 1-myristoylglycerophosphocholine

MR Method



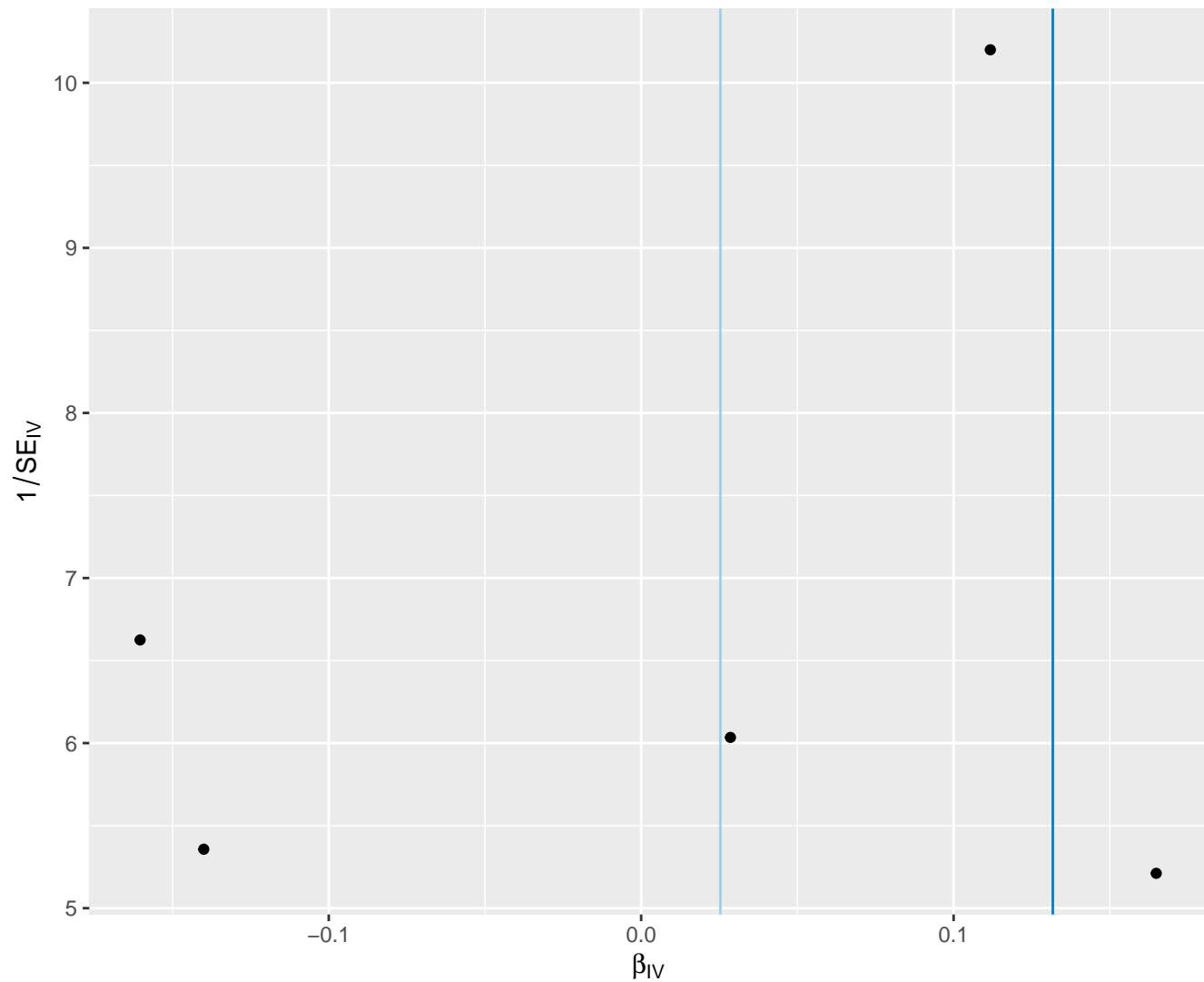
# 1-oleoylglycerol (1-monoolein)

MR Method



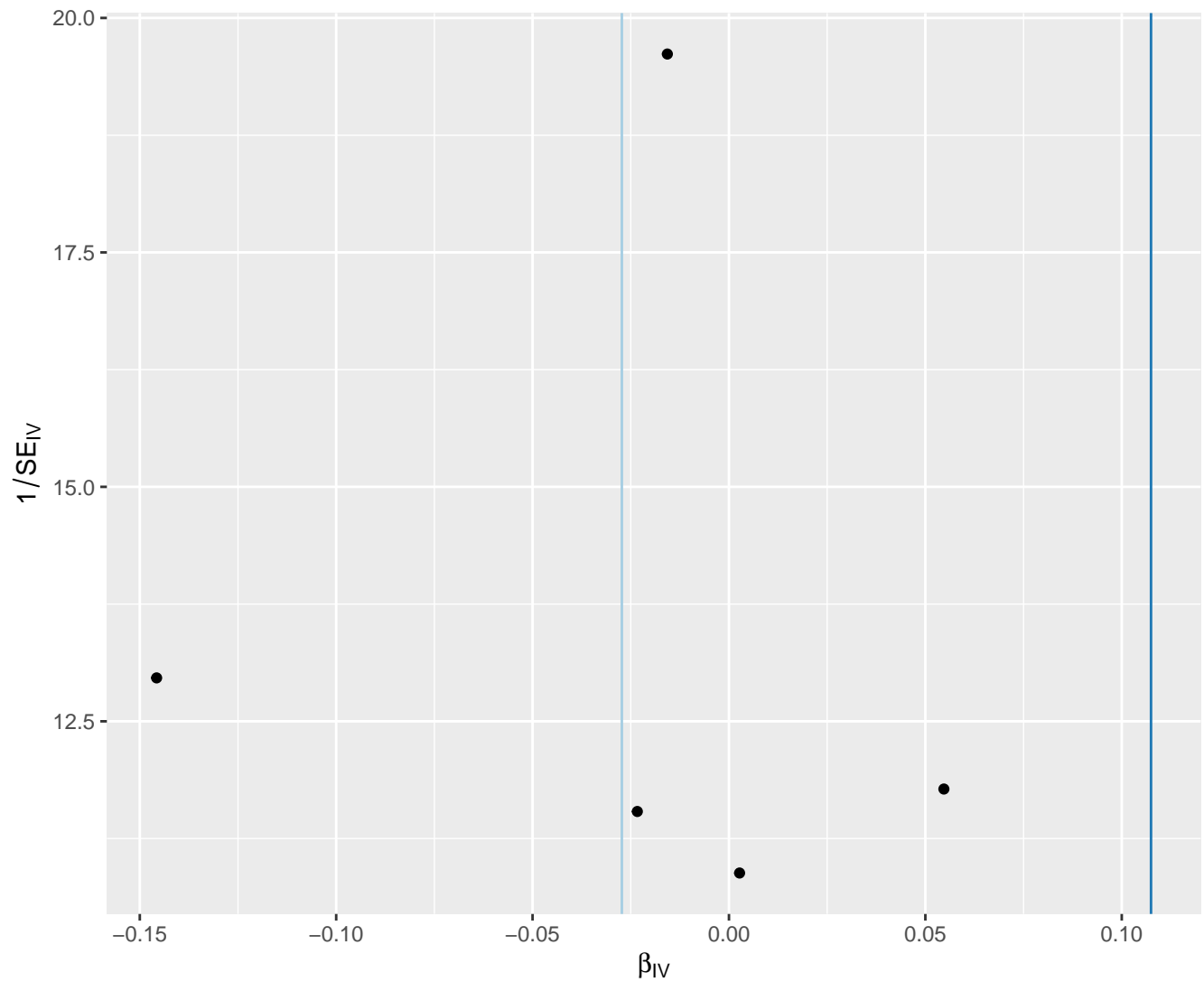
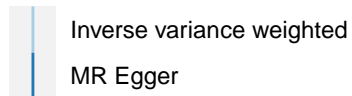
Inverse variance weighted

MR Egger



# 1-oleoylglycerophosphocholine

MR Method



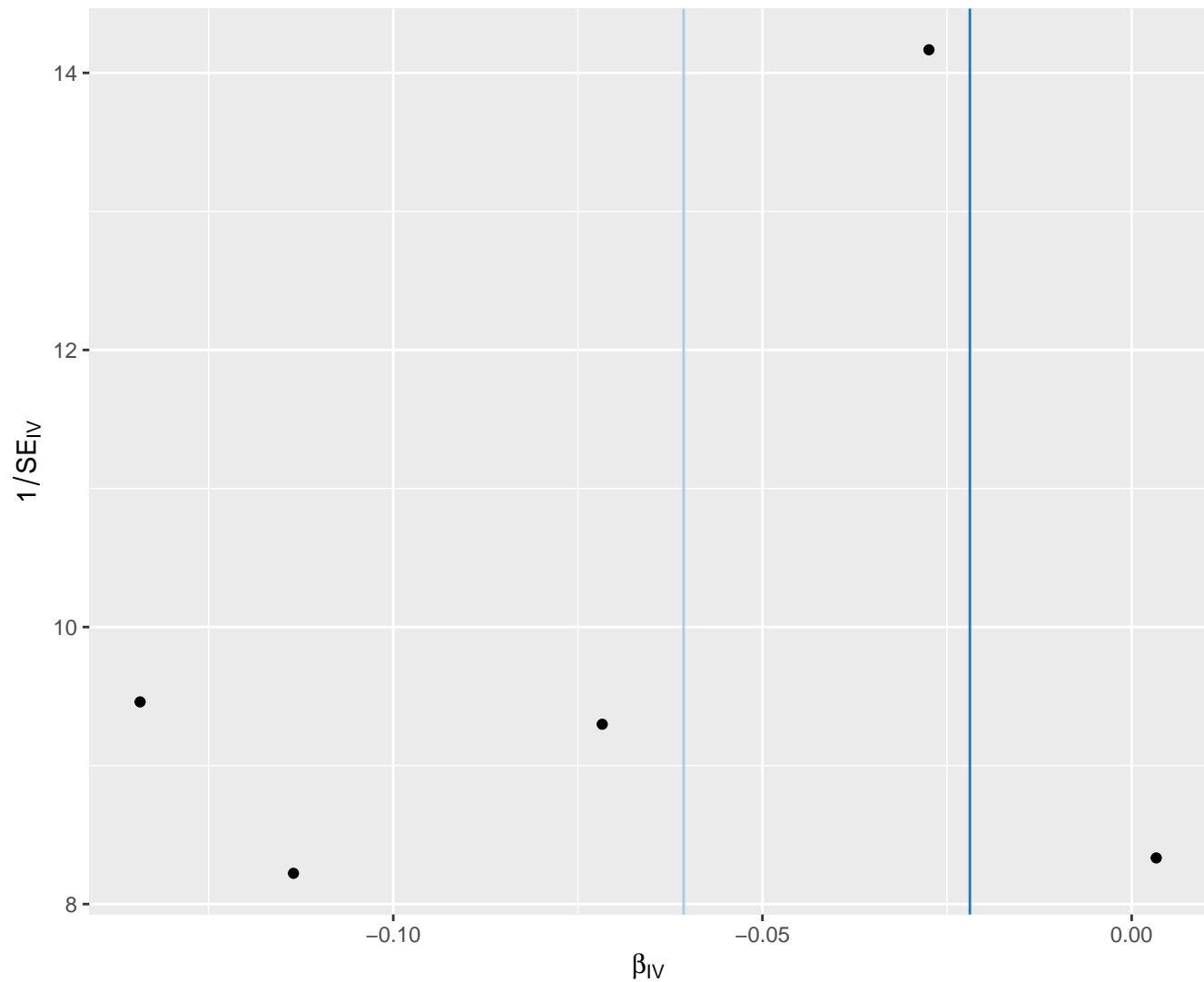
# 1-oleoylglycerophosphoethanolamine

MR Method



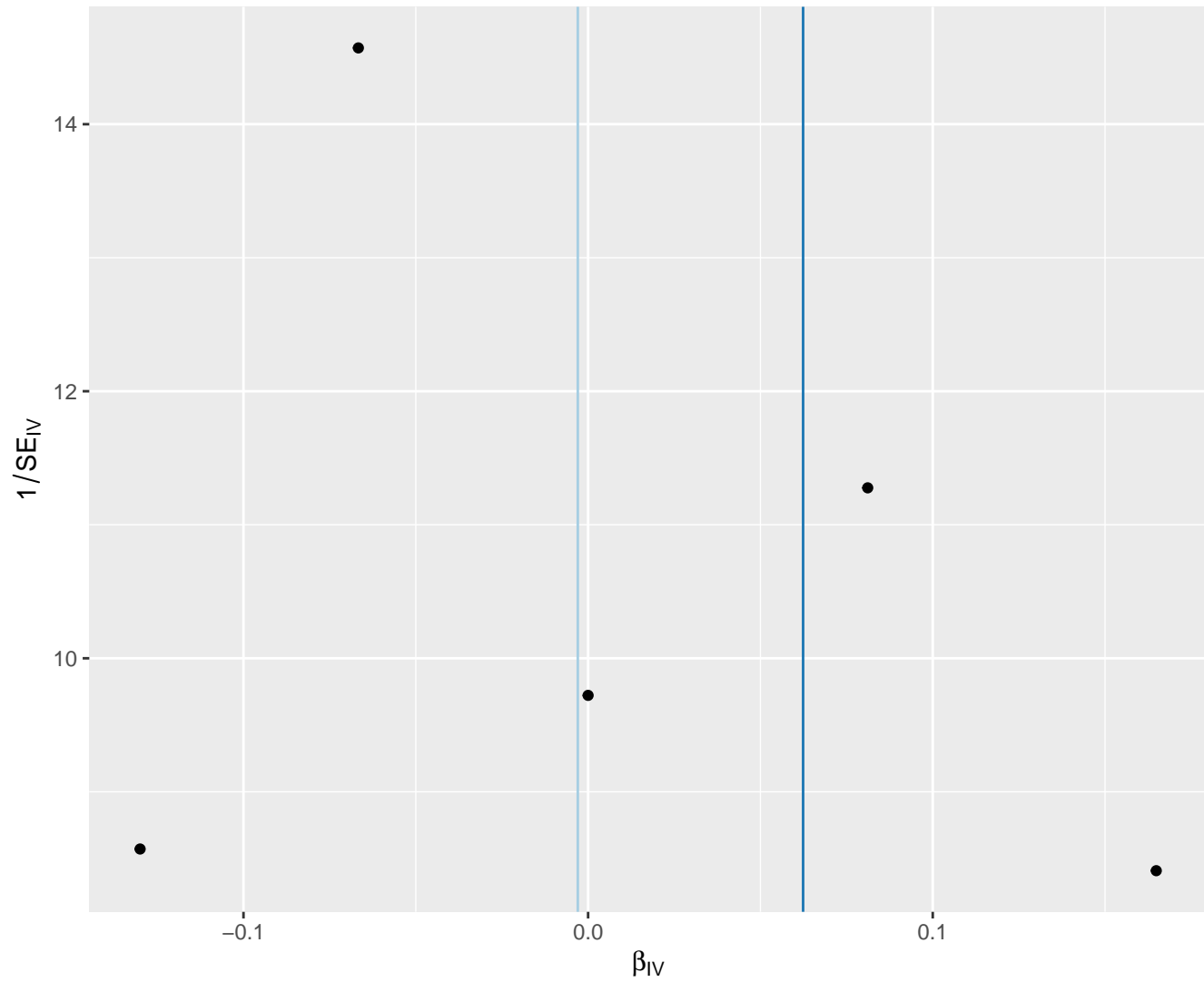
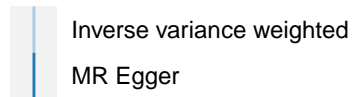
Inverse variance weighted

MR Egger



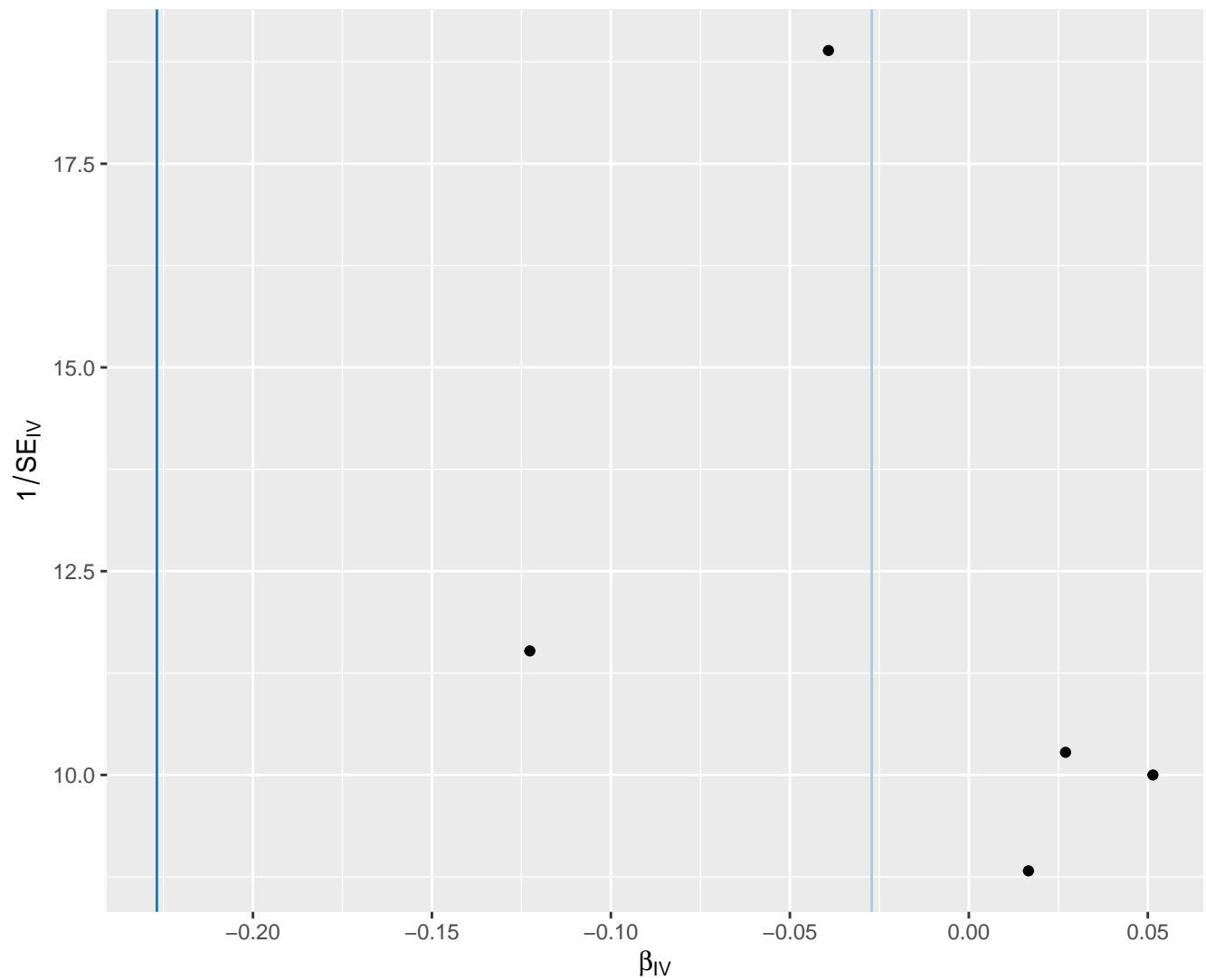
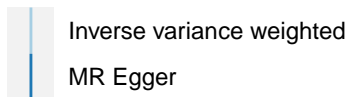
# 1-palmitoleoylglycerophosphocholine\*

MR Method



# 1-palmitoylglycerol (1-monopalmitin)

MR Method





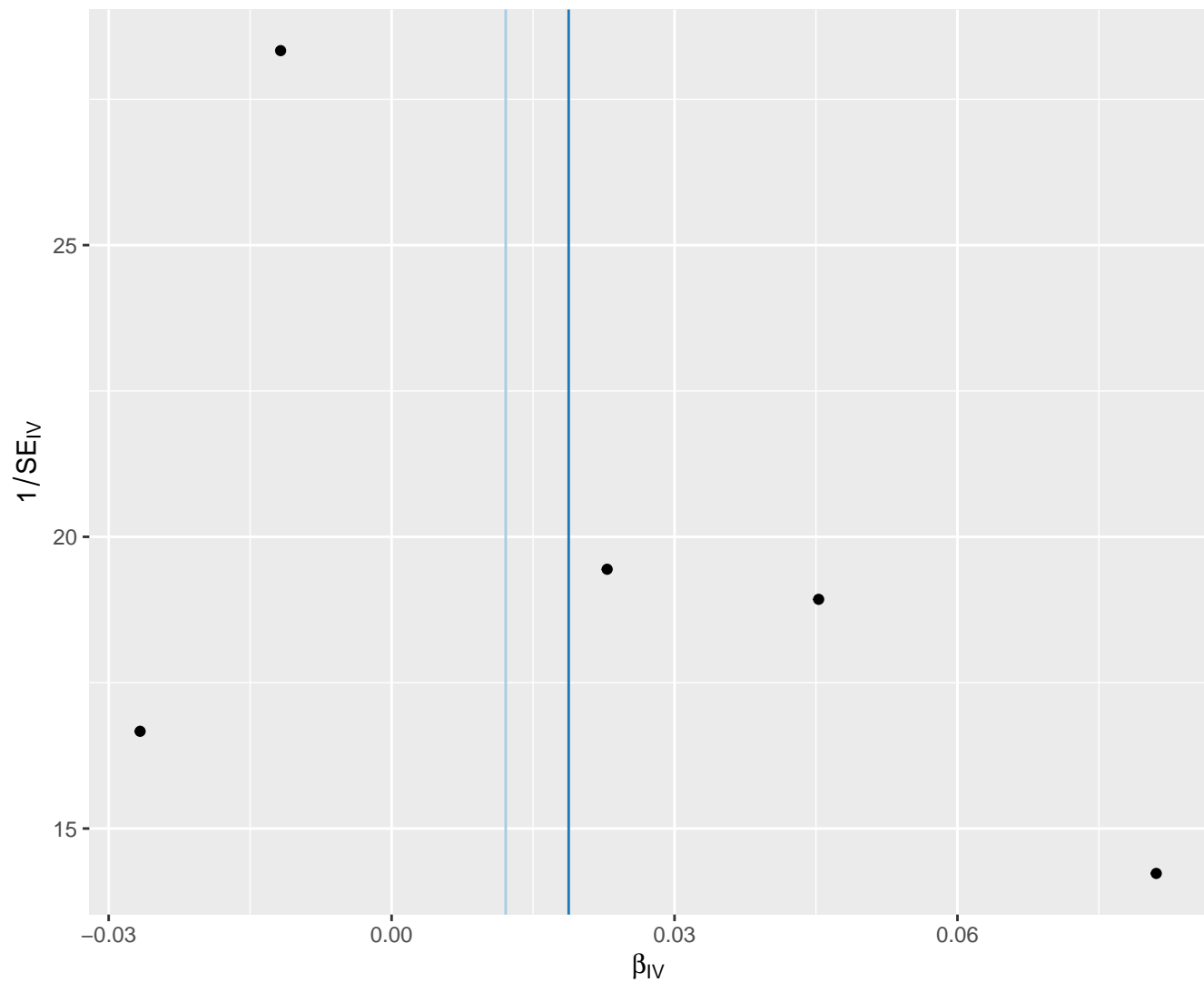
# 1-palmitoylglycerophosphocholine

MR Method

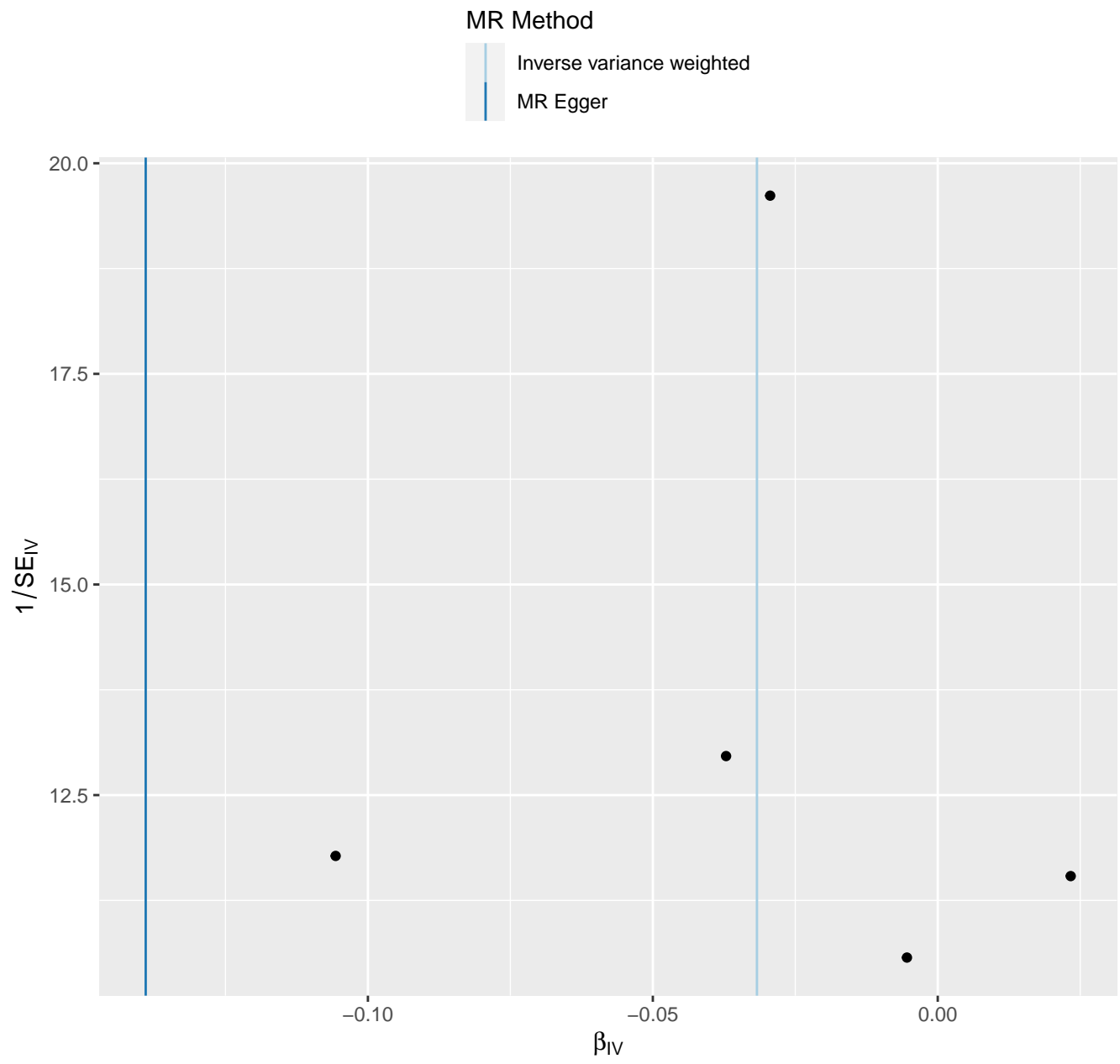


Inverse variance weighted

MR Egger



# 1-palmitoylglycerophosphoethanolamine



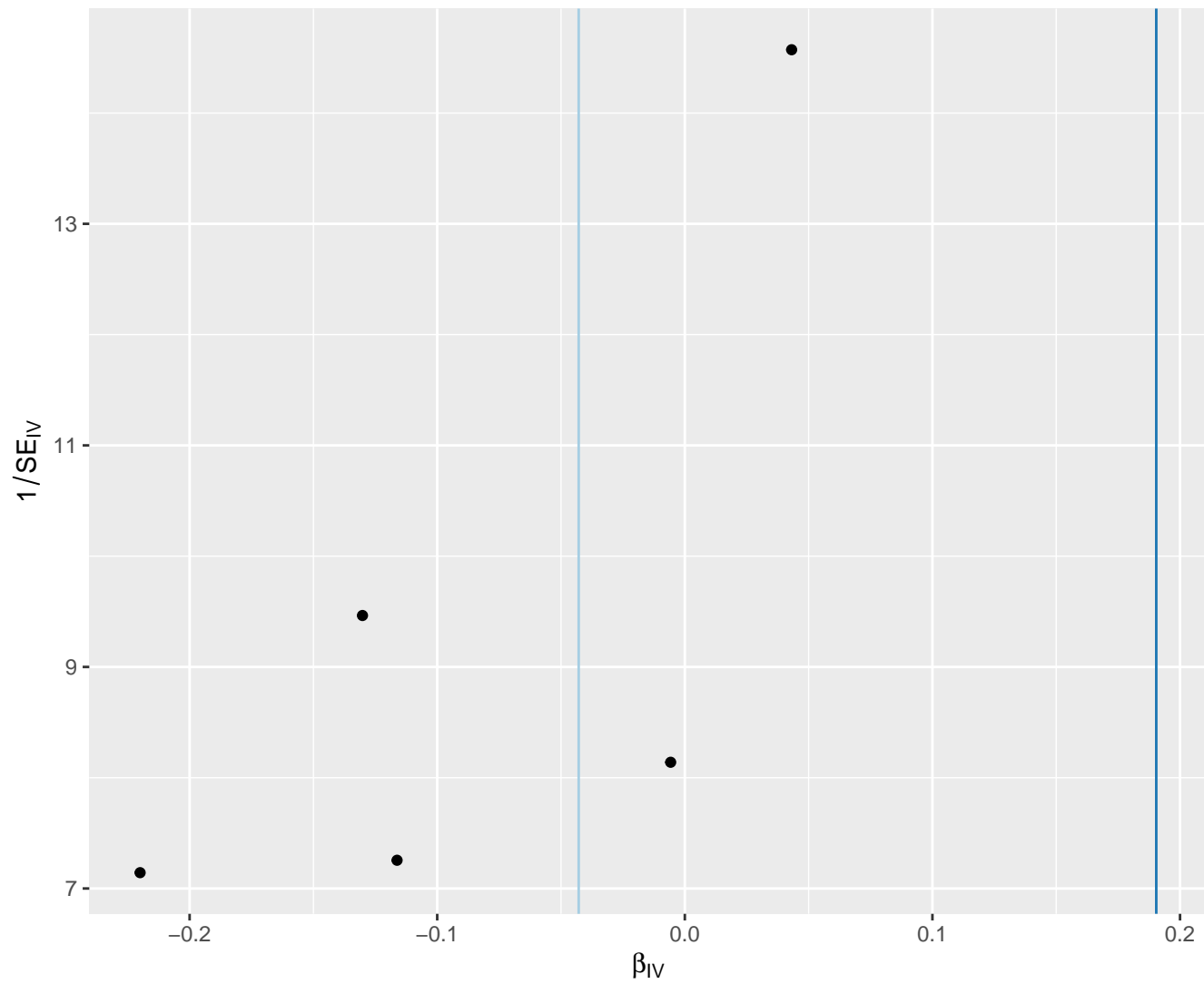
# 1-palmitoylglycerophosphoinositol\*

MR Method



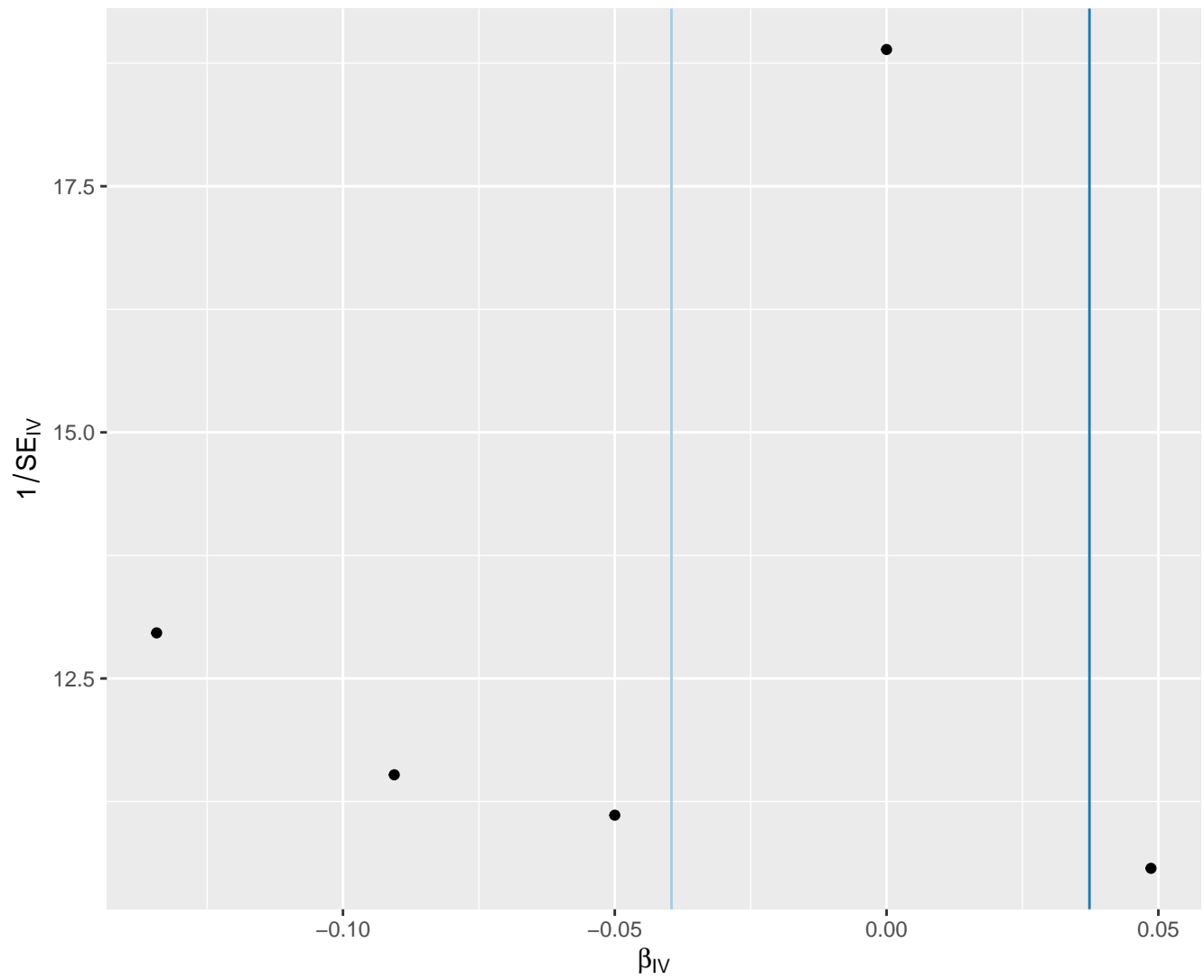
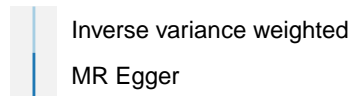
Inverse variance weighted

MR Egger



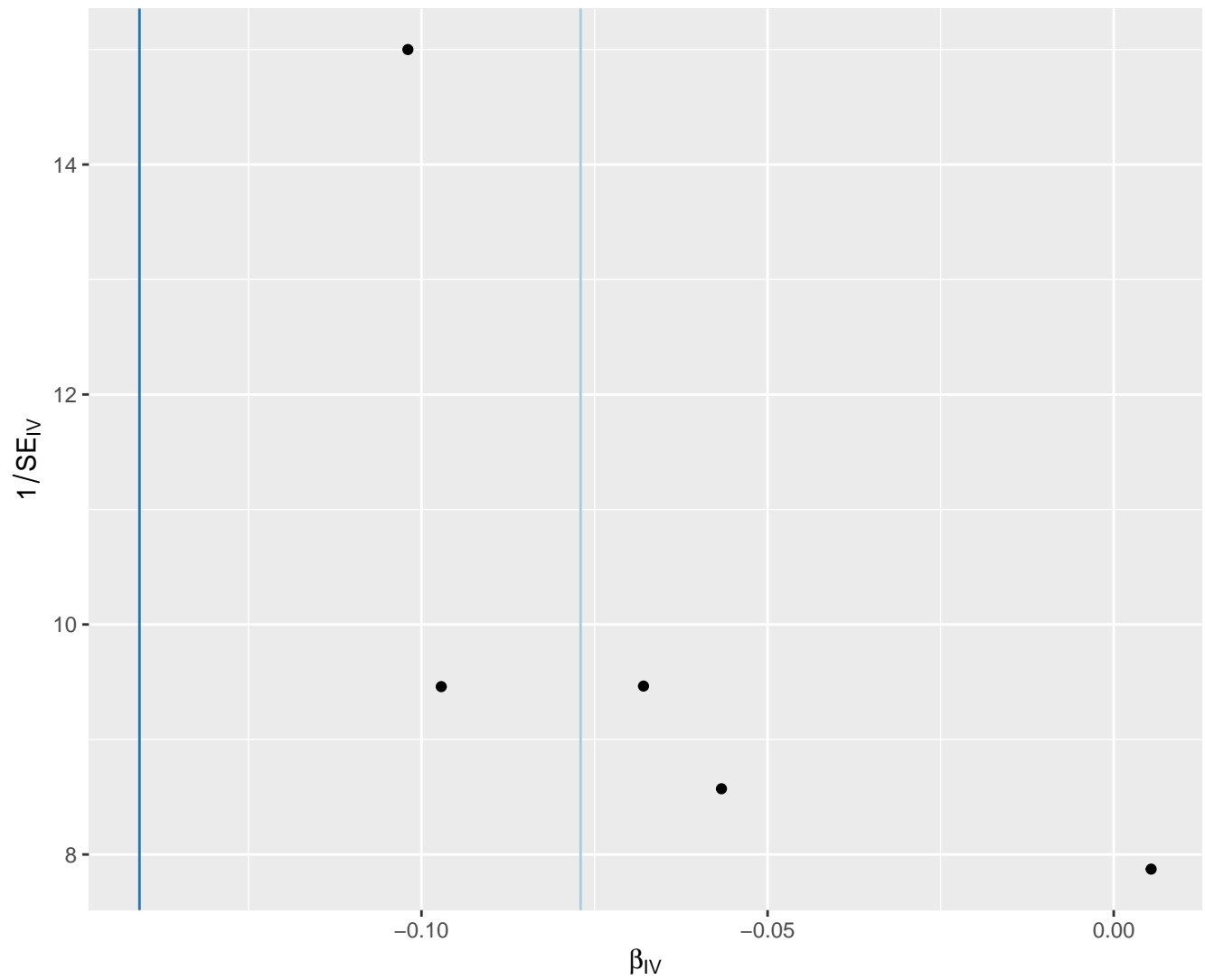
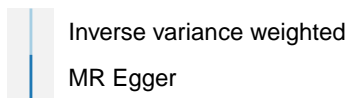
# 1-stearoylglycerol (1-monostearin)

MR Method



# 1-stearoylglycerophosphocholine

MR Method



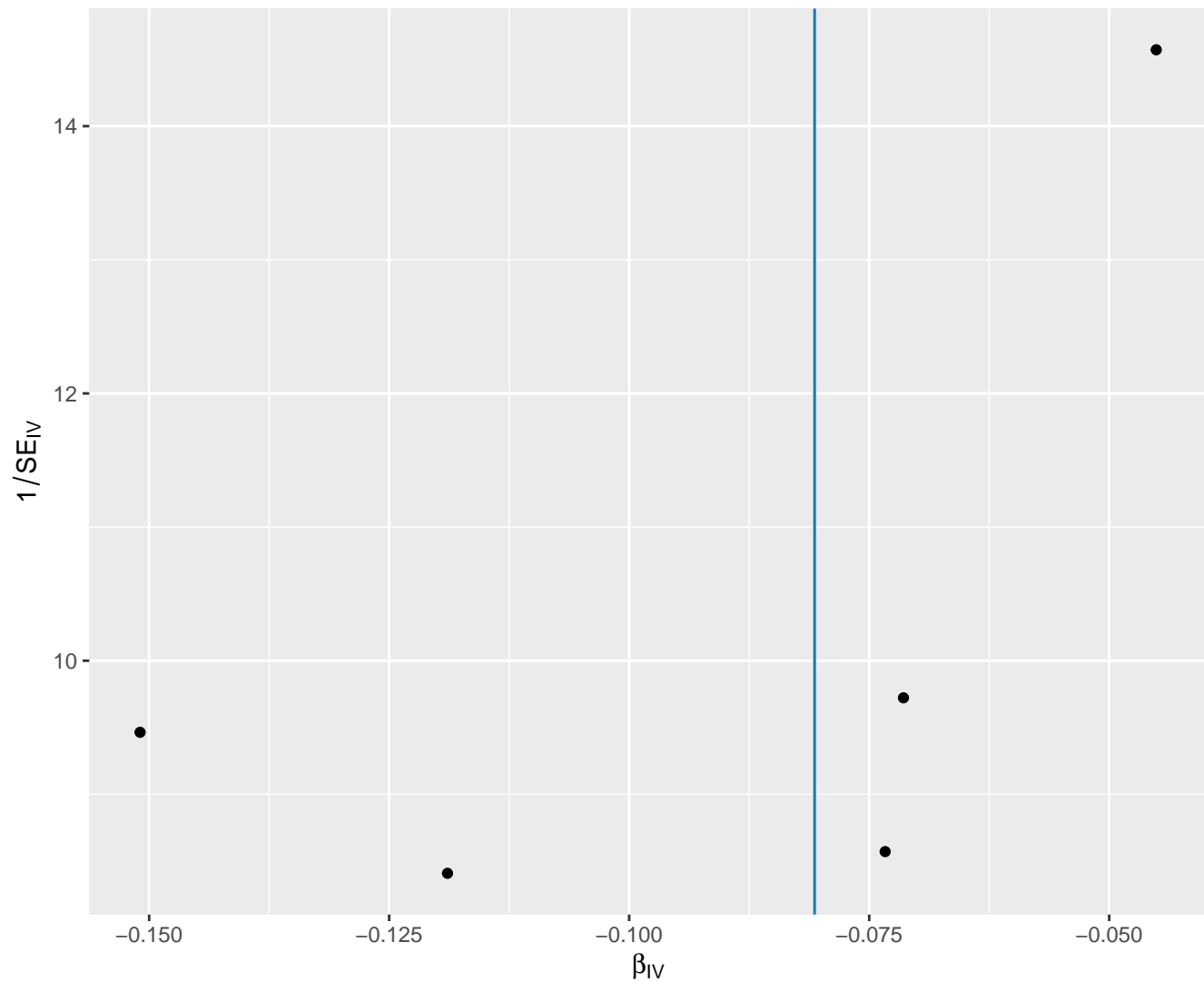
# 1-stearoylglycerophosphoethanolamine

MR Method



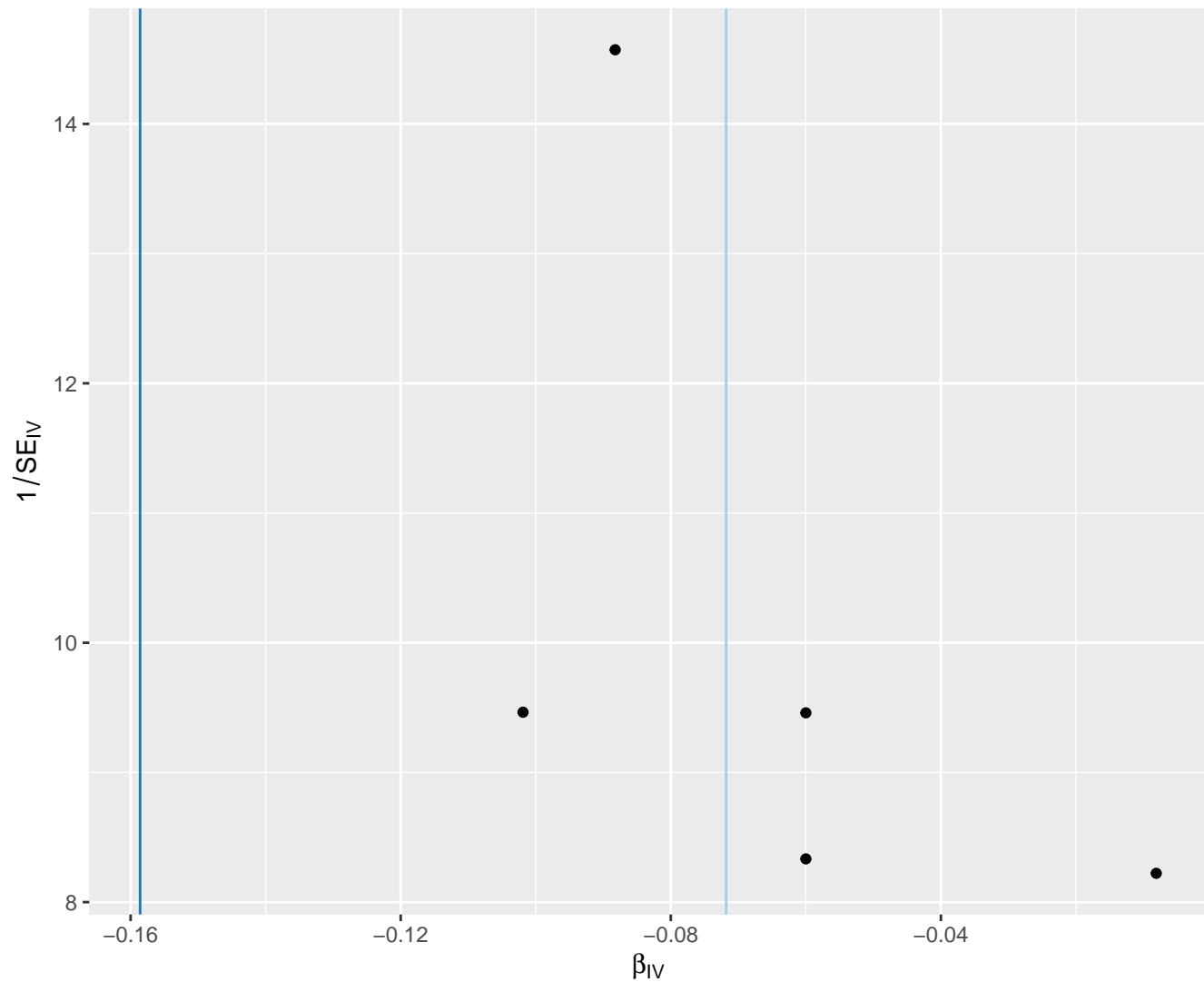
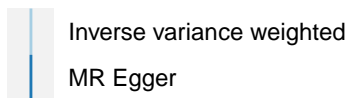
Inverse variance weighted

MR Egger



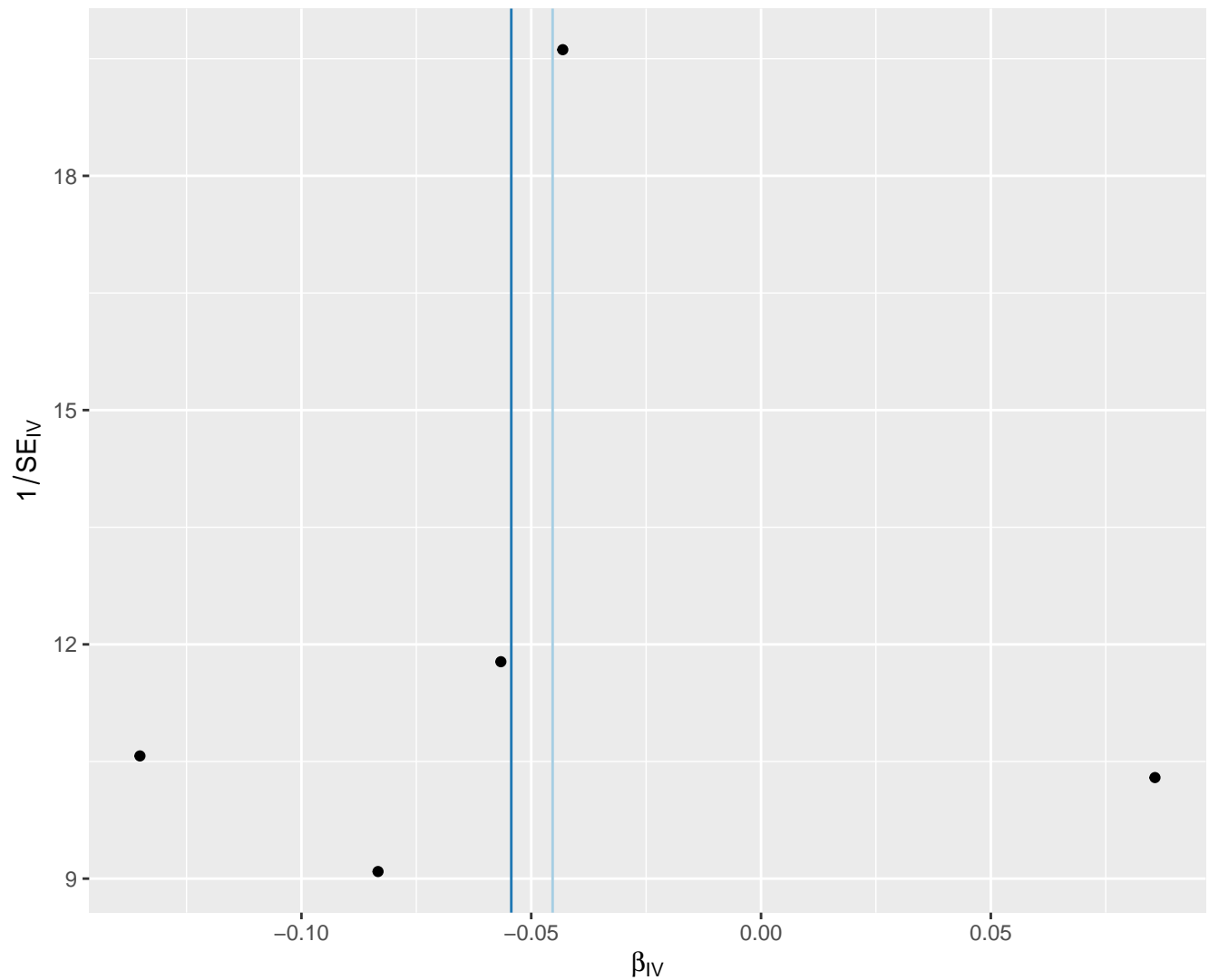
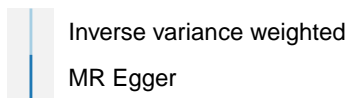
# 1-stearoylglycerophosphoinositol

MR Method



# 1,5-anhydroglucitol (1,5-AG)

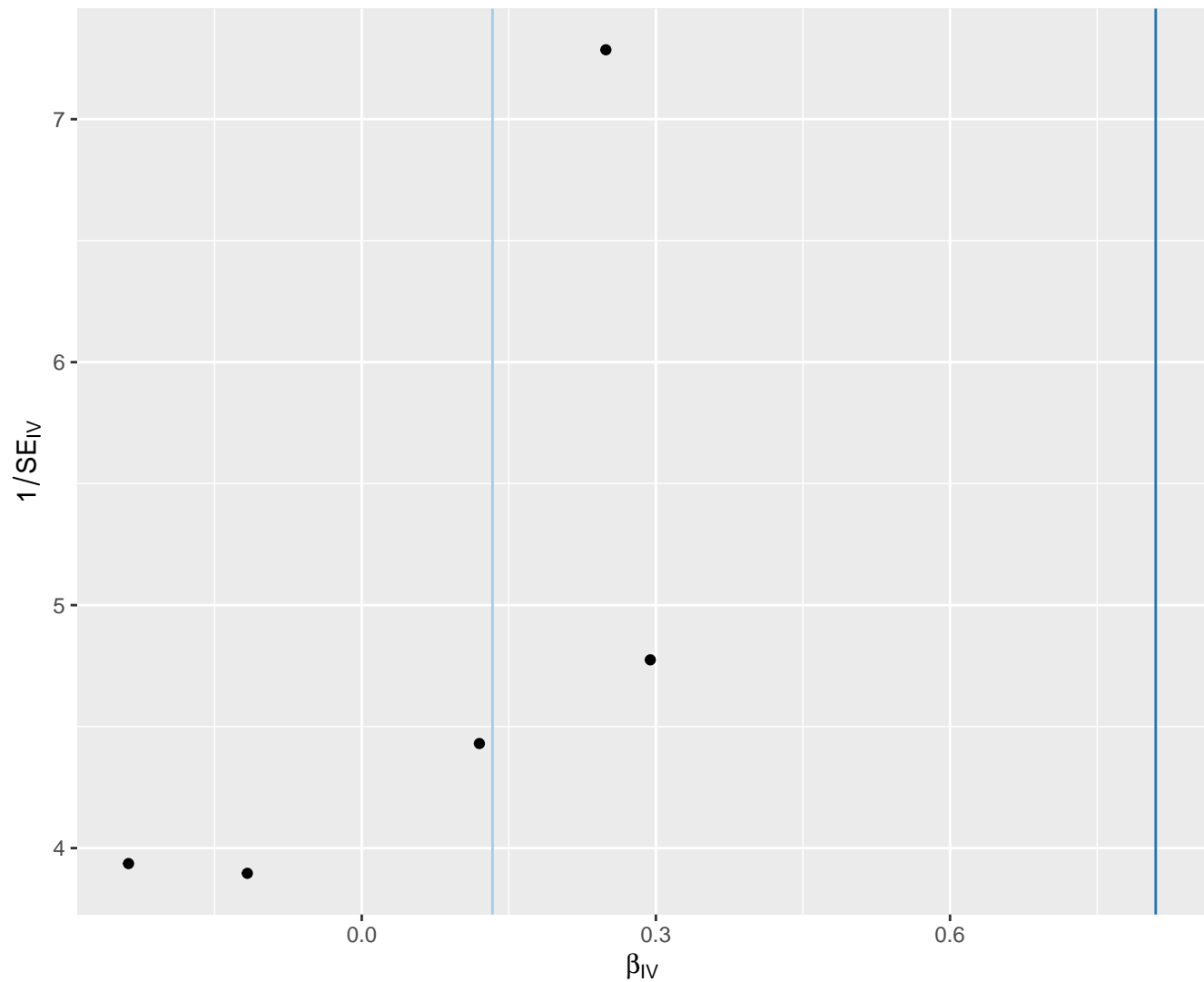
MR Method





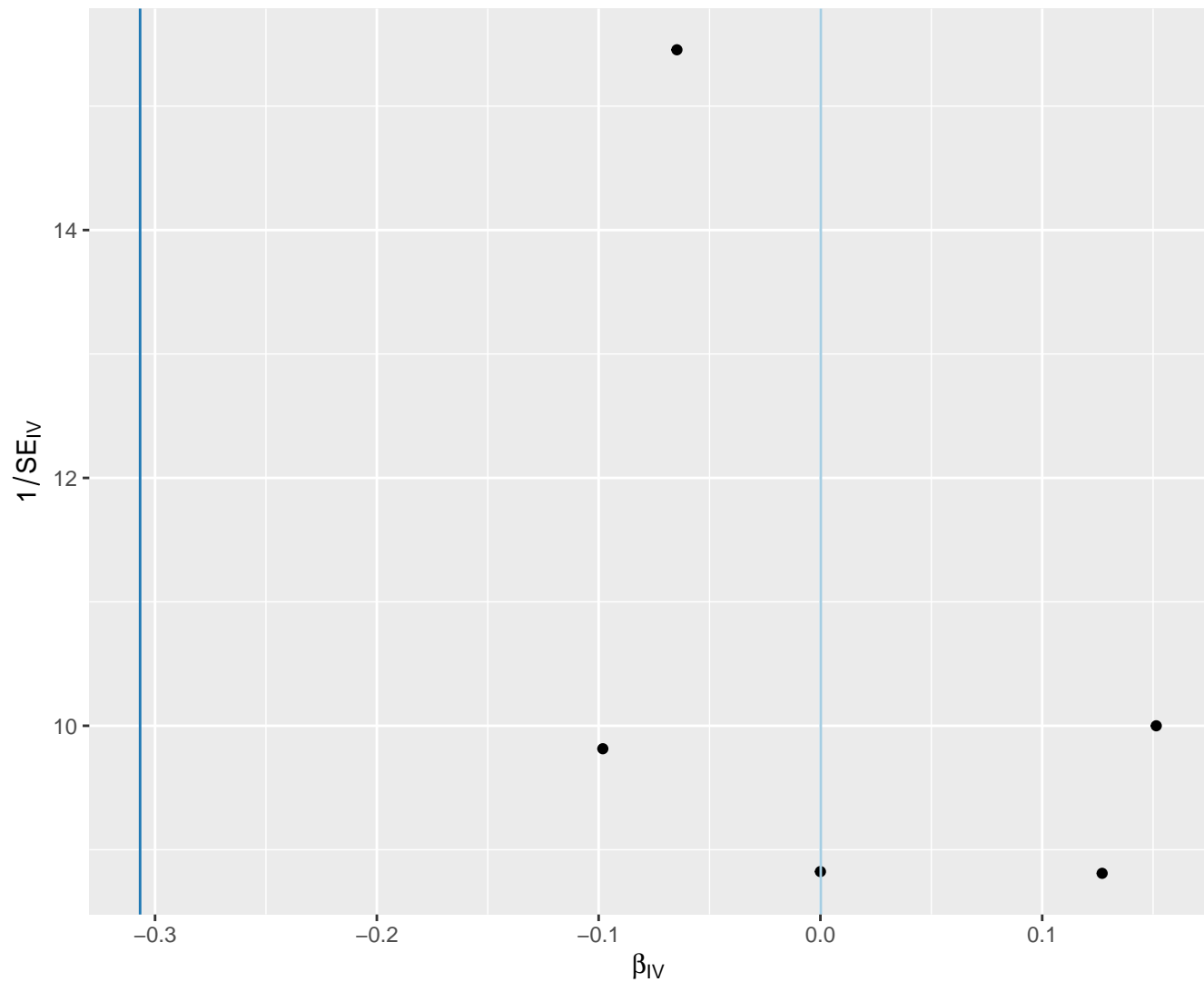
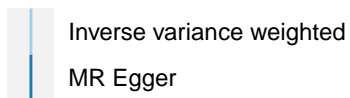
# 1,6-anhydroglucose

MR Method

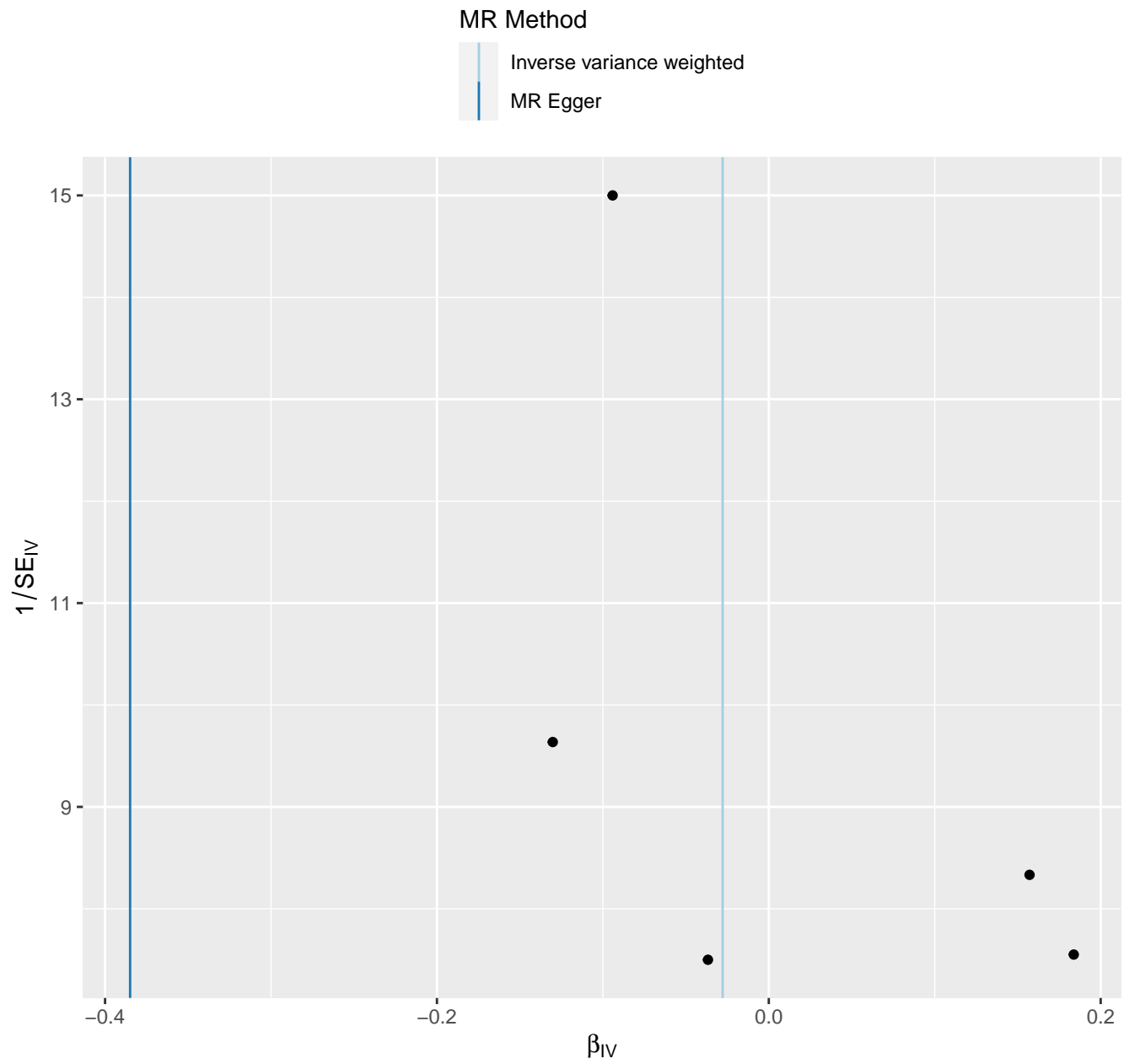


# 10-heptadecenoate (17:1n7)

MR Method



# 10-nonadecenoate (19:1n9)



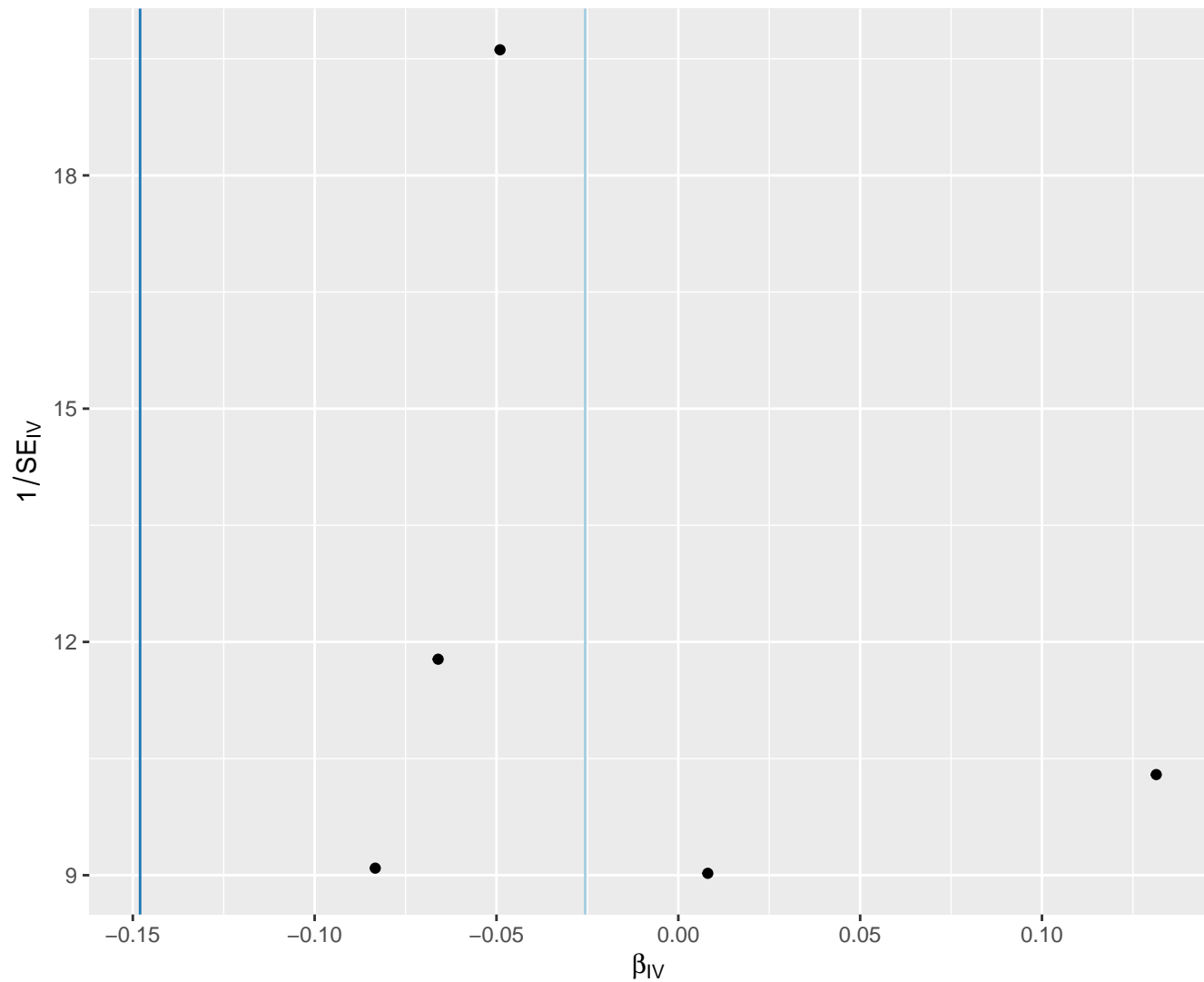
# 10-undecenoate (11:1n1)

MR Method

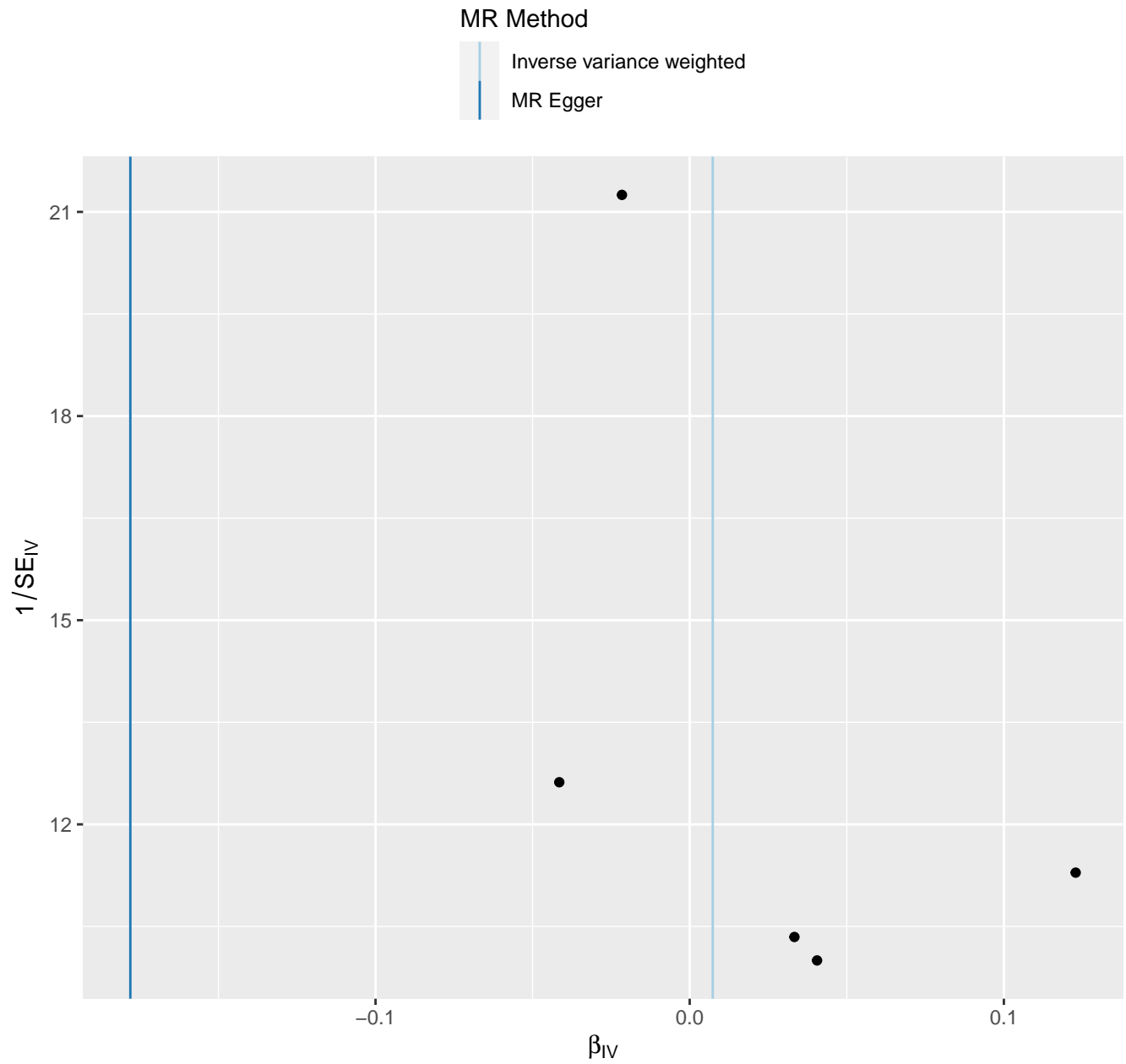


Inverse variance weighted

MR Egger

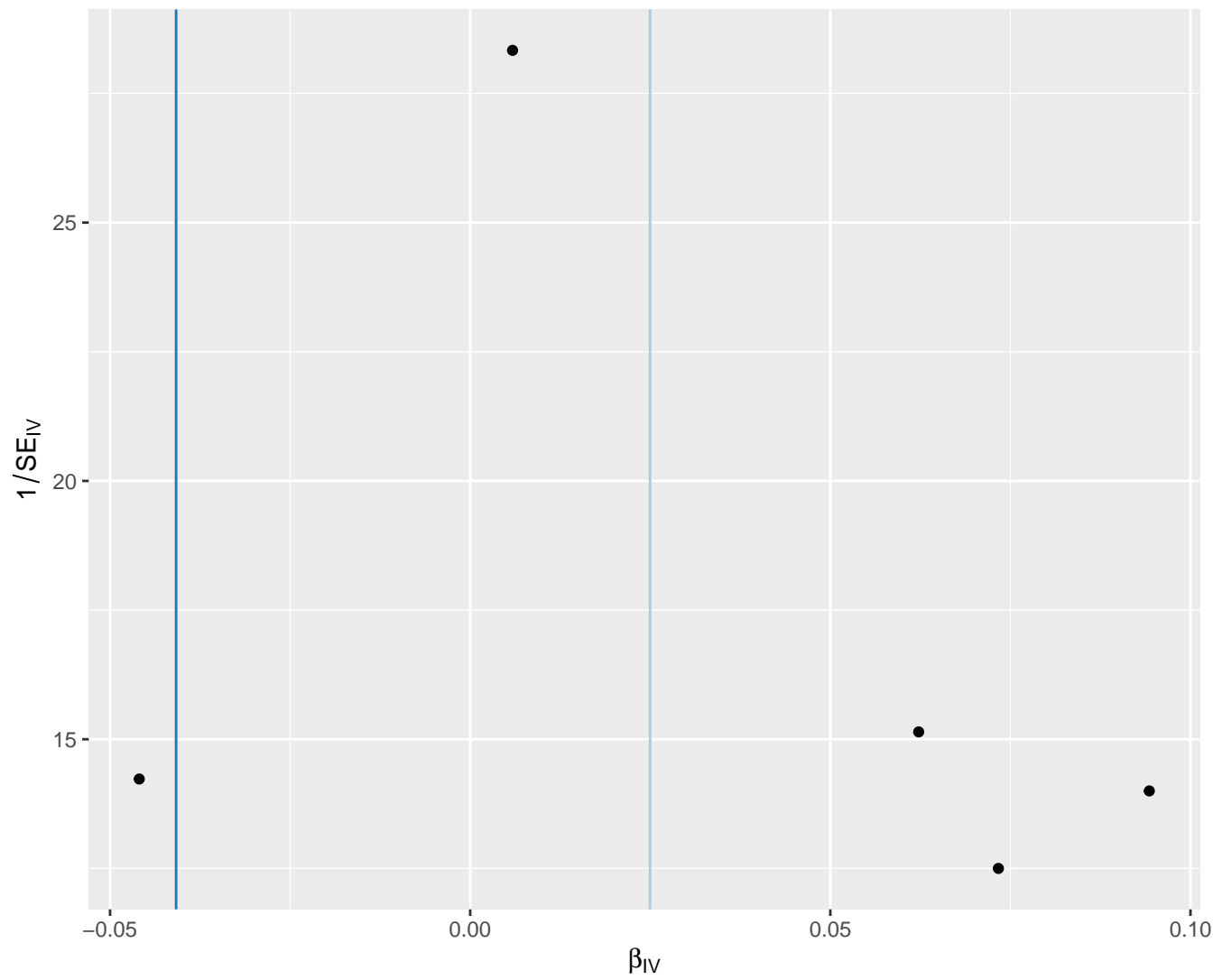
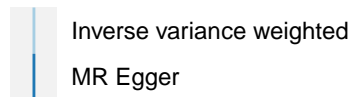


# 15-methylpalmitate (isobar with 2-methylpalmitate)



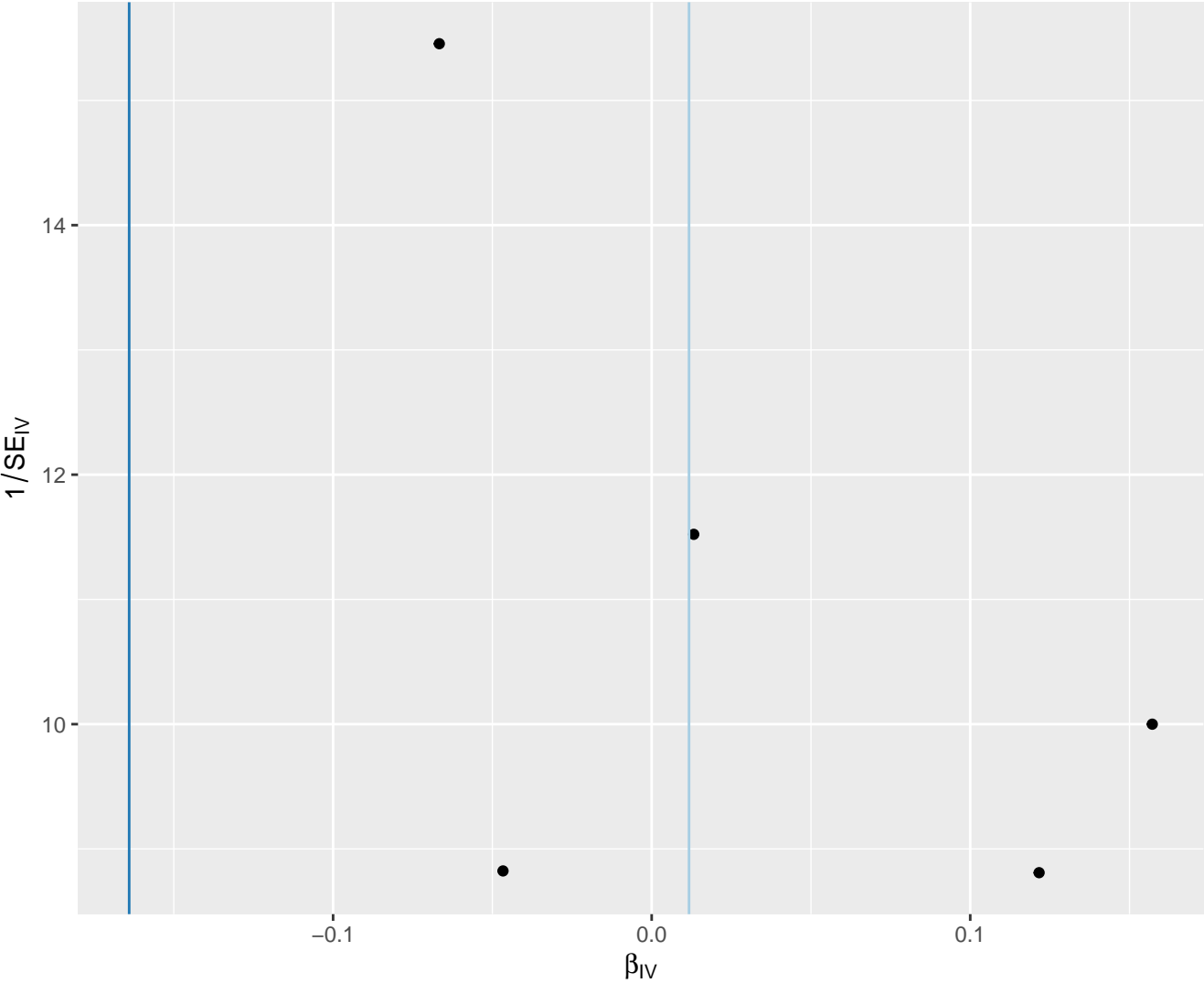
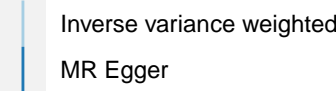
## 2-aminobutyrate

MR Method



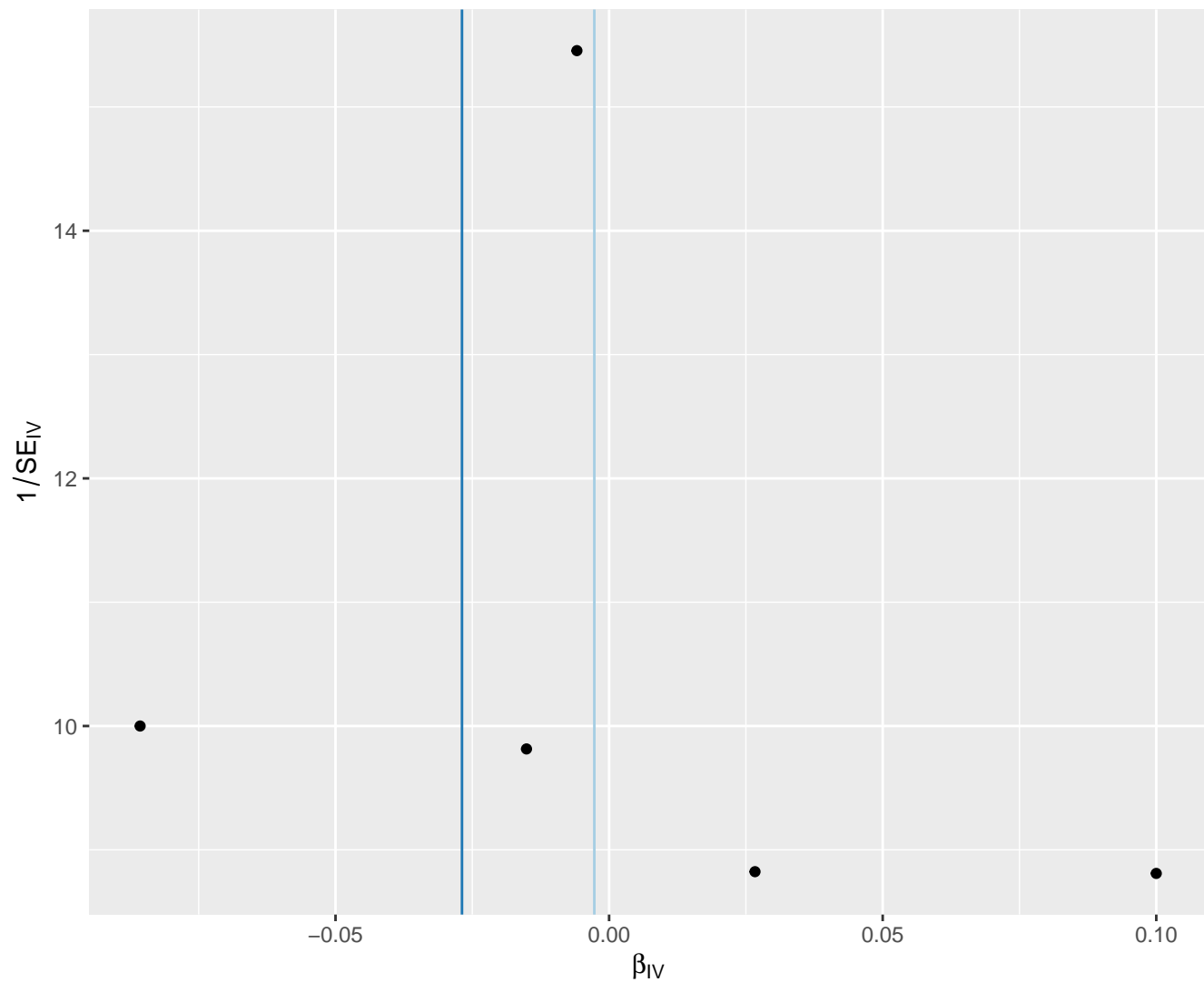
2-hydroxybutyrate (AHB)

MR Method



## 2-hydroxyglutarate

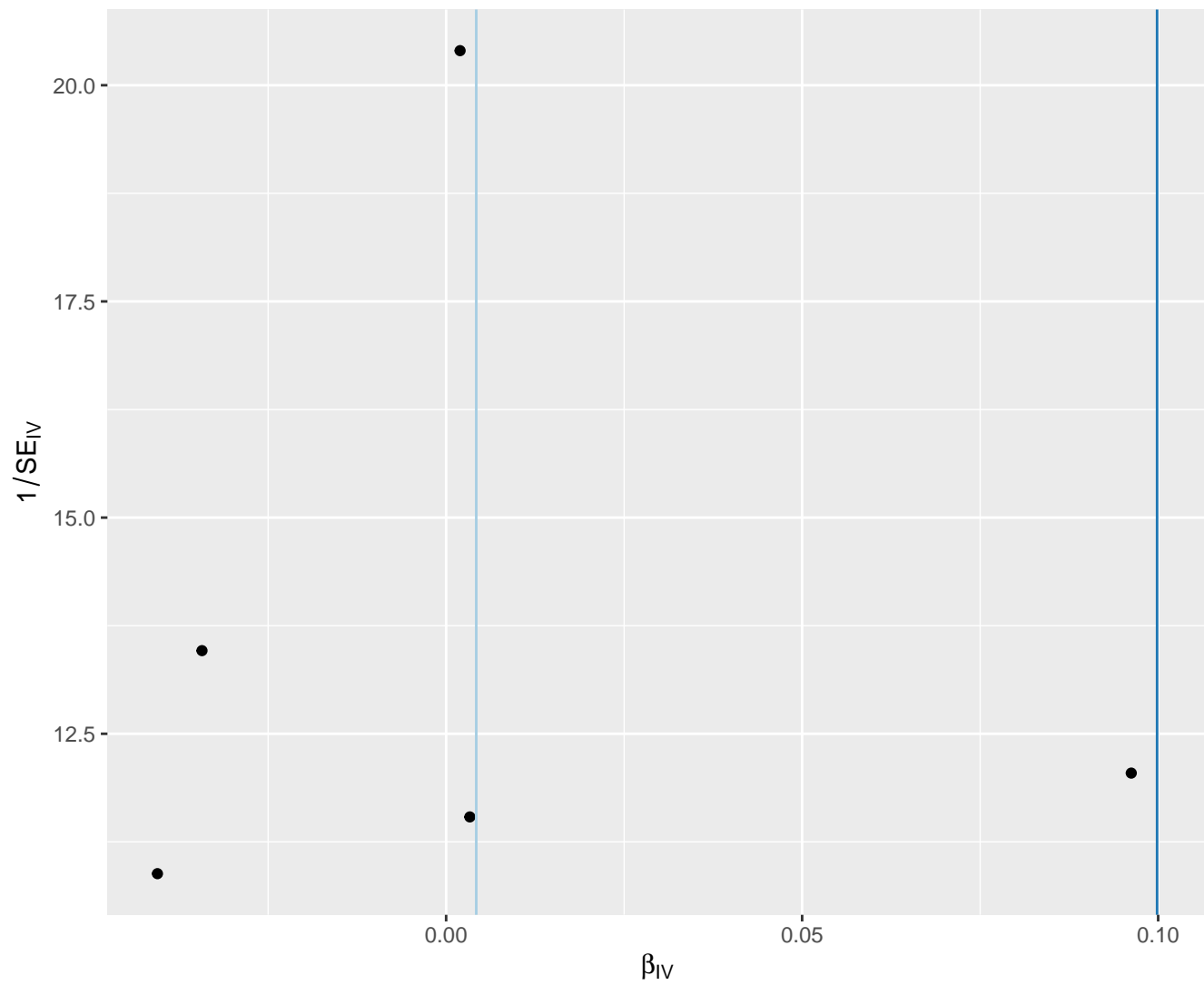
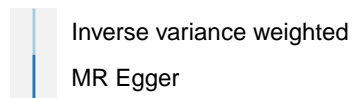
MR Method





# 2-hydroxyisobutyrate

MR Method

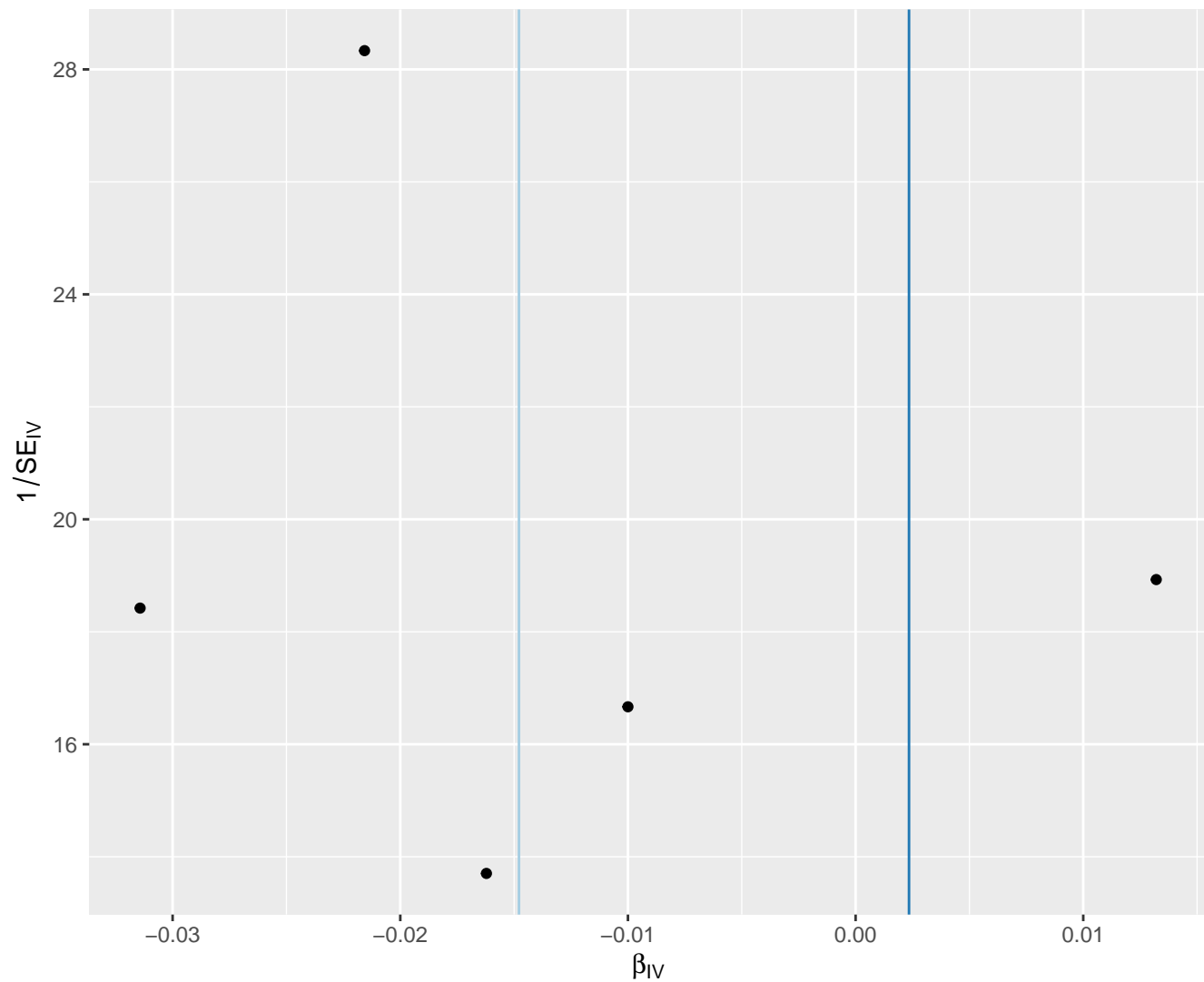


# 2-hydroxypalmitate

MR Method

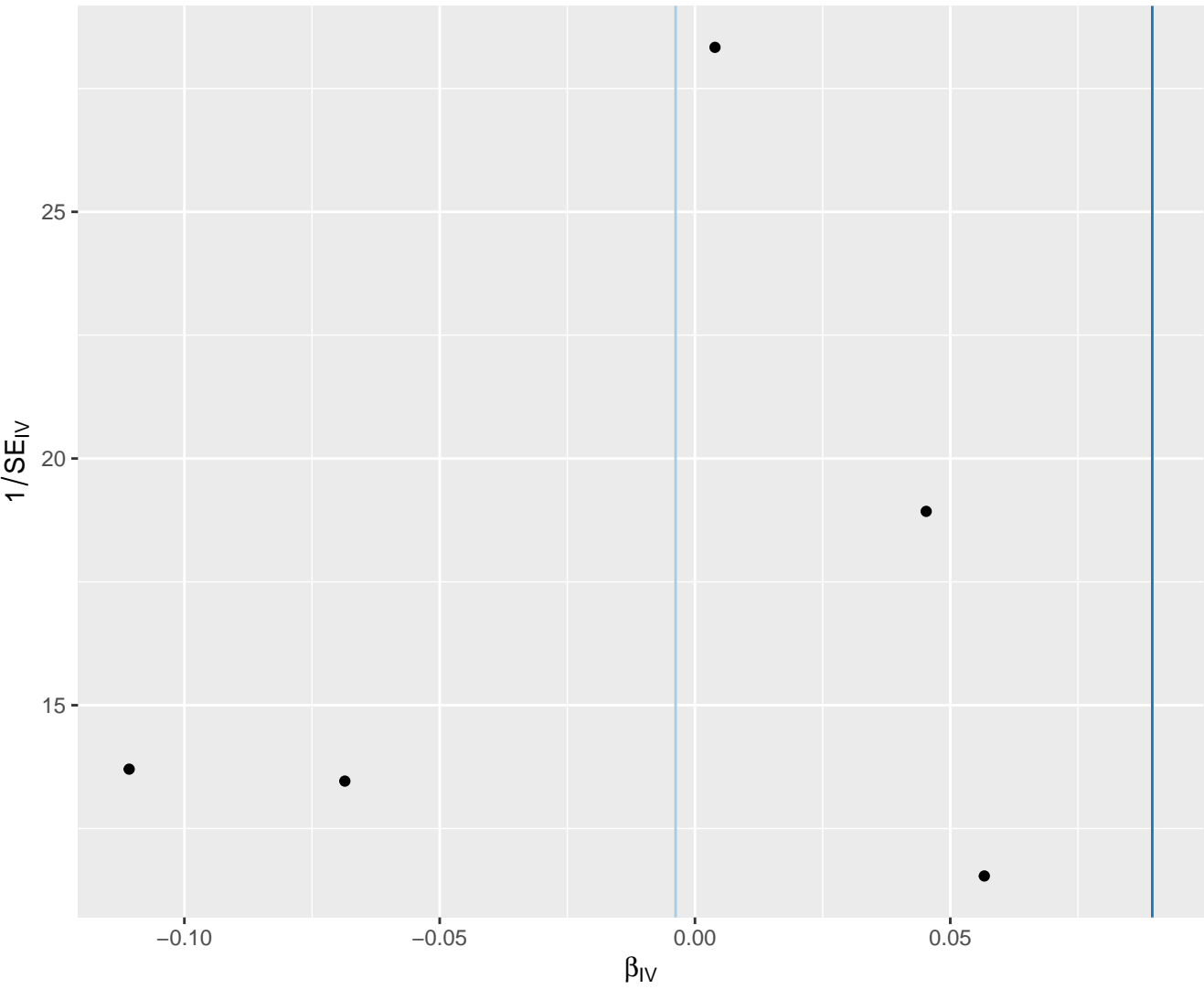
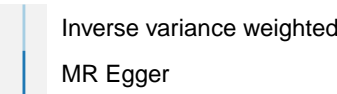
Inverse variance weighted

MR Egger



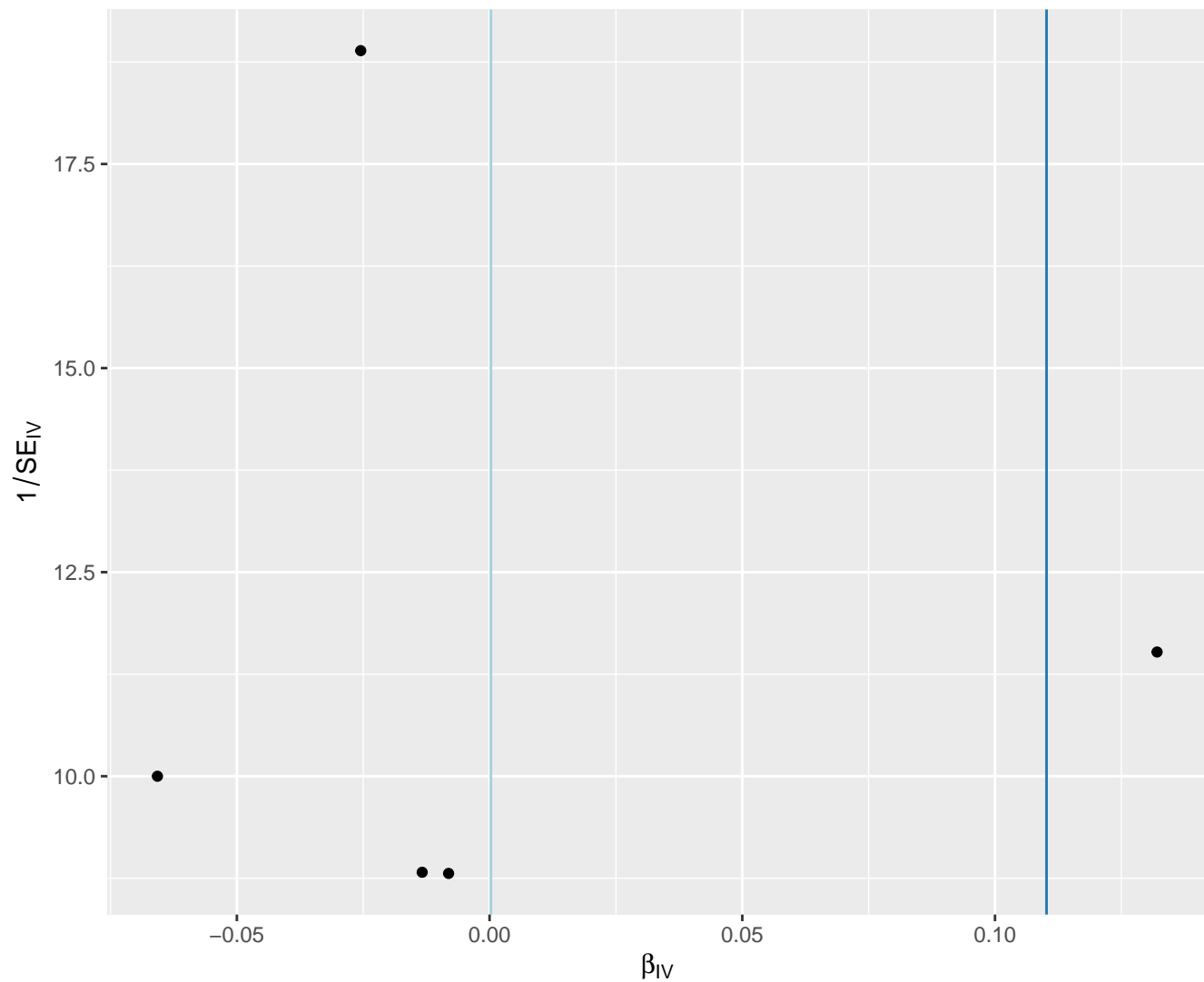
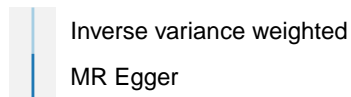
2-hydroxystearate

MR Method



# 2-linoleoylglycerophosphocholine\*

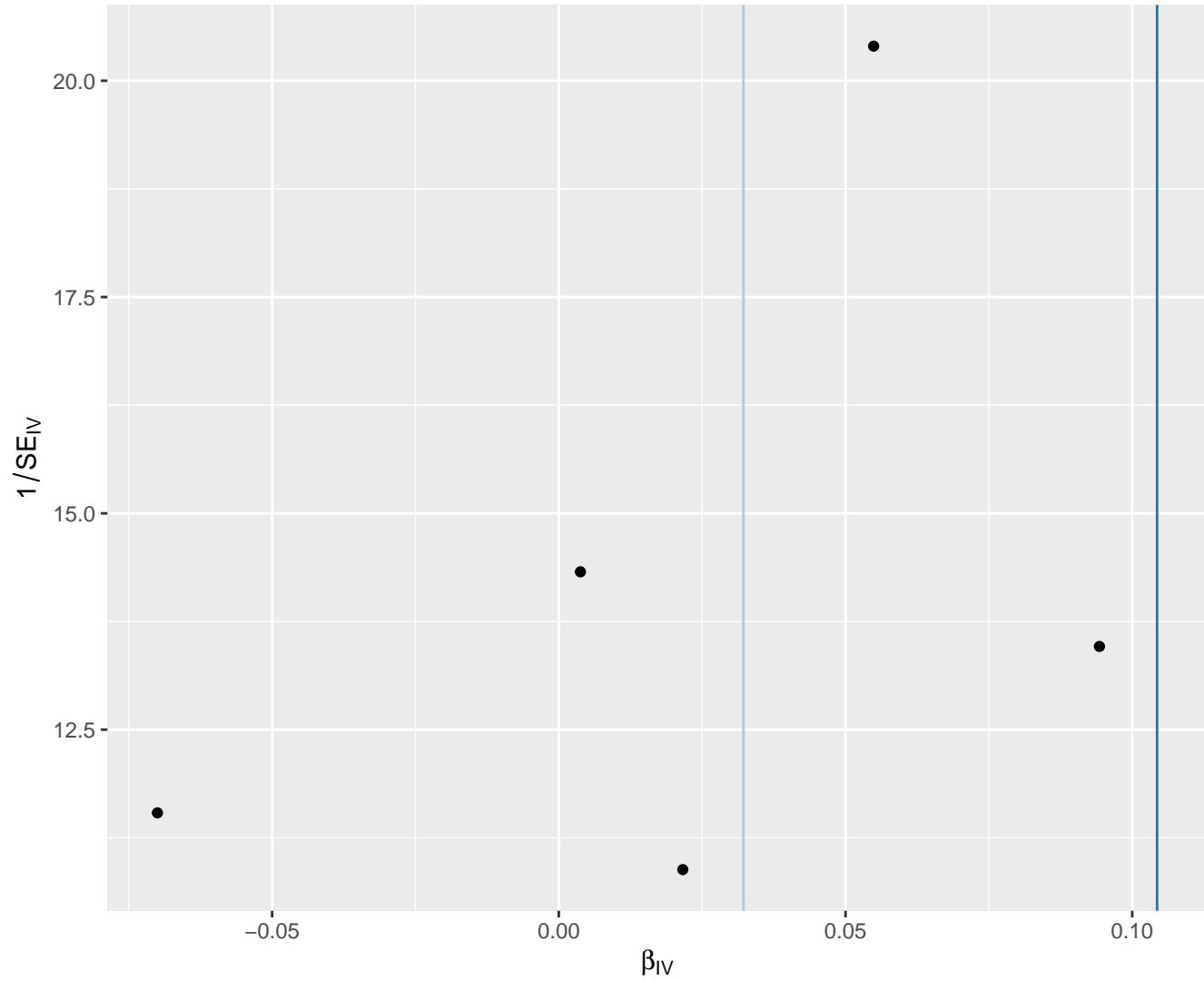
MR Method



# 2-methylbutyrylcarnitine

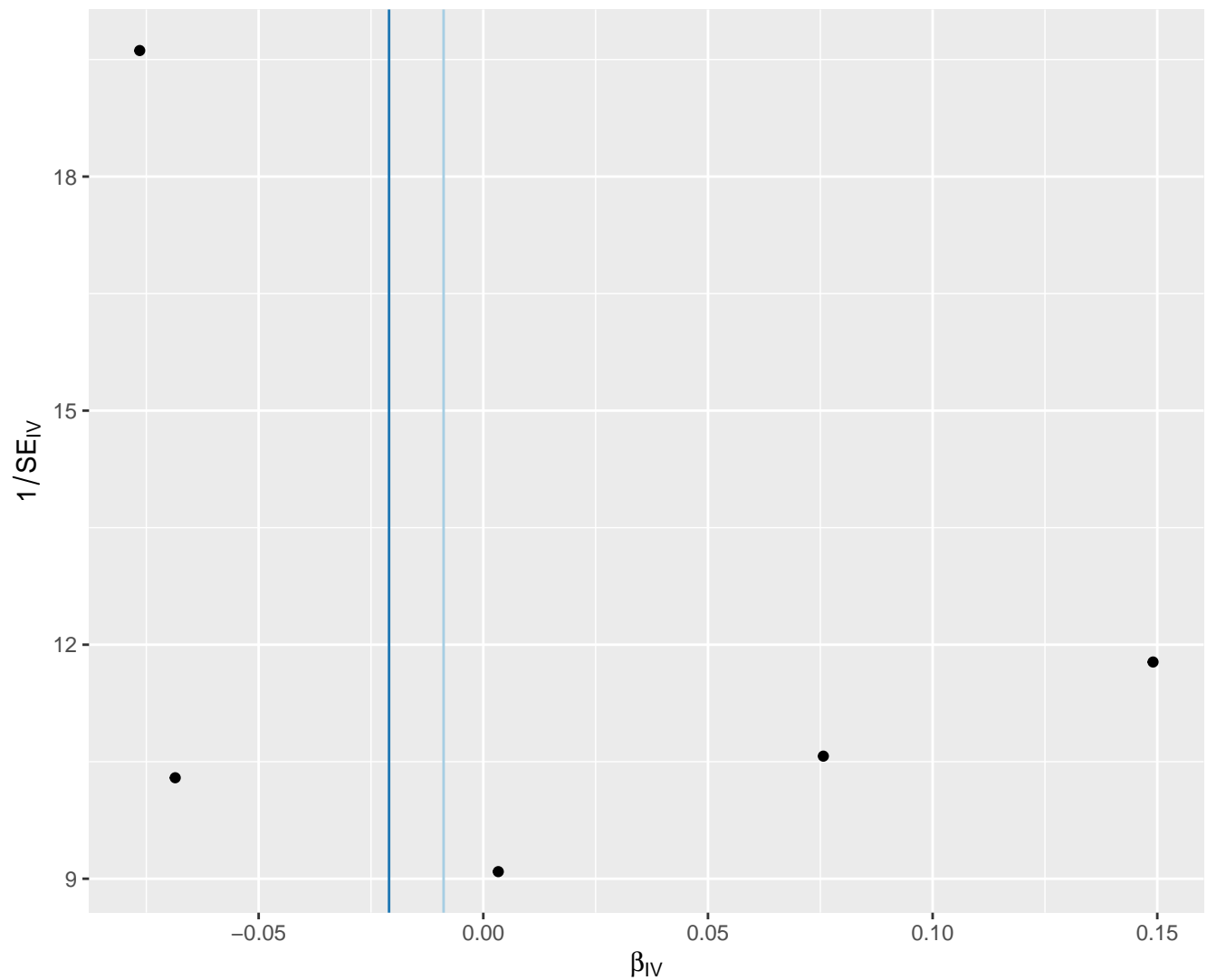
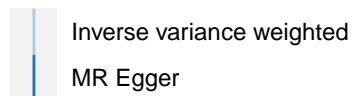
MR Method

Inverse variance weighted  
MR Egger



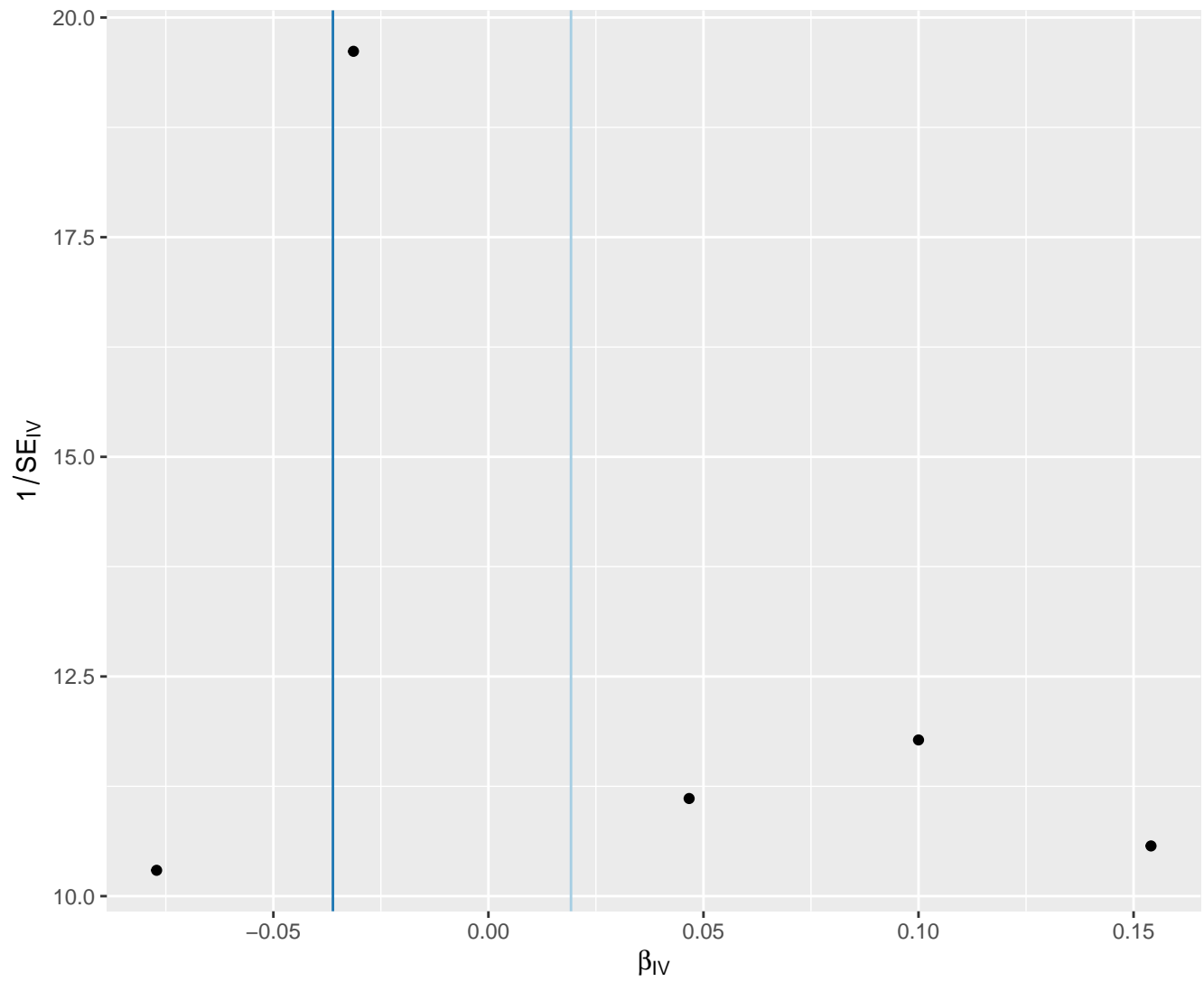
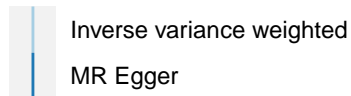
# 2-oleoylglycerophosphocholine\*

MR Method



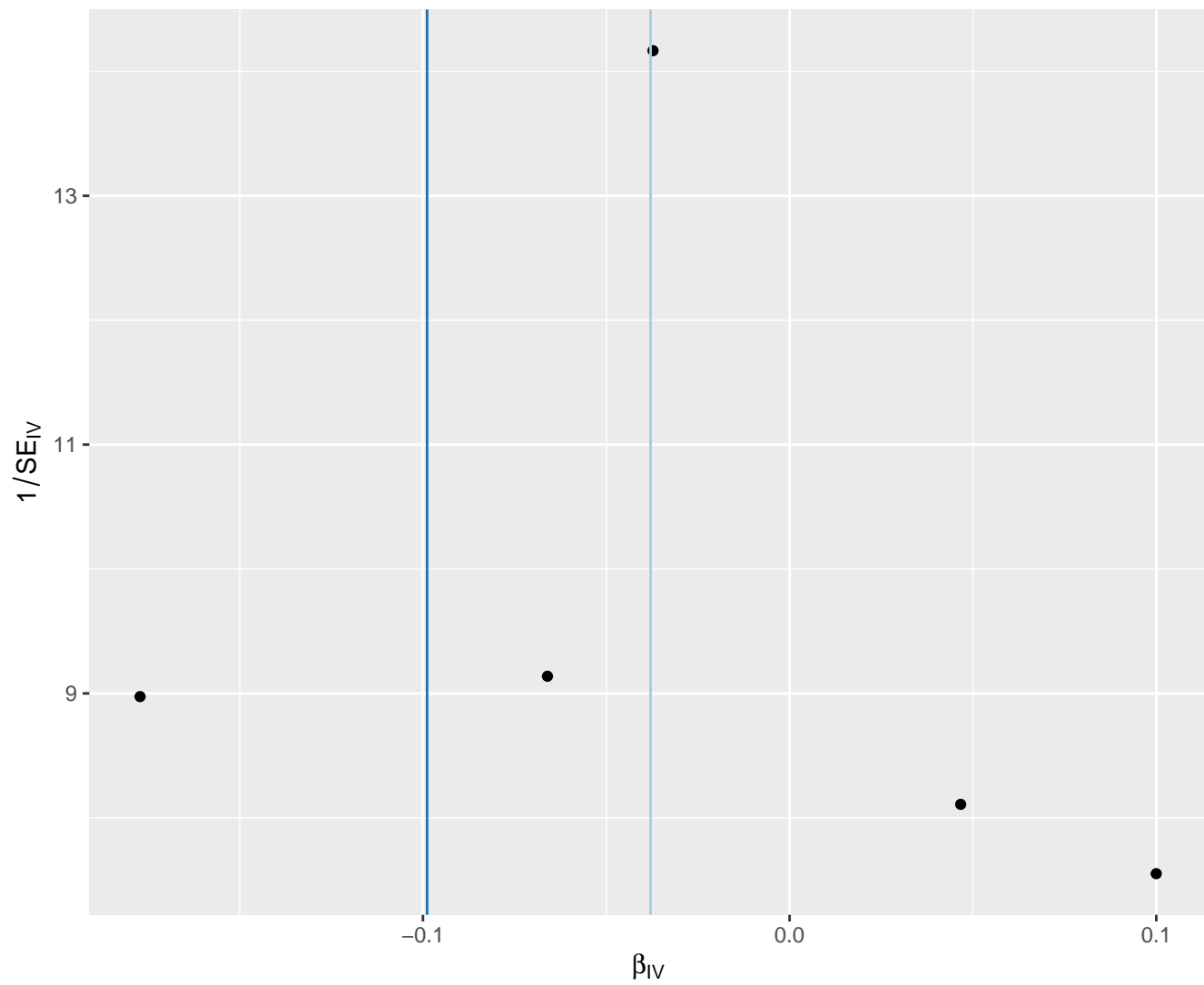
# 2-palmitoylglycerophosphocholine\*

MR Method



# 2-stearoylglycerophosphocholine\*

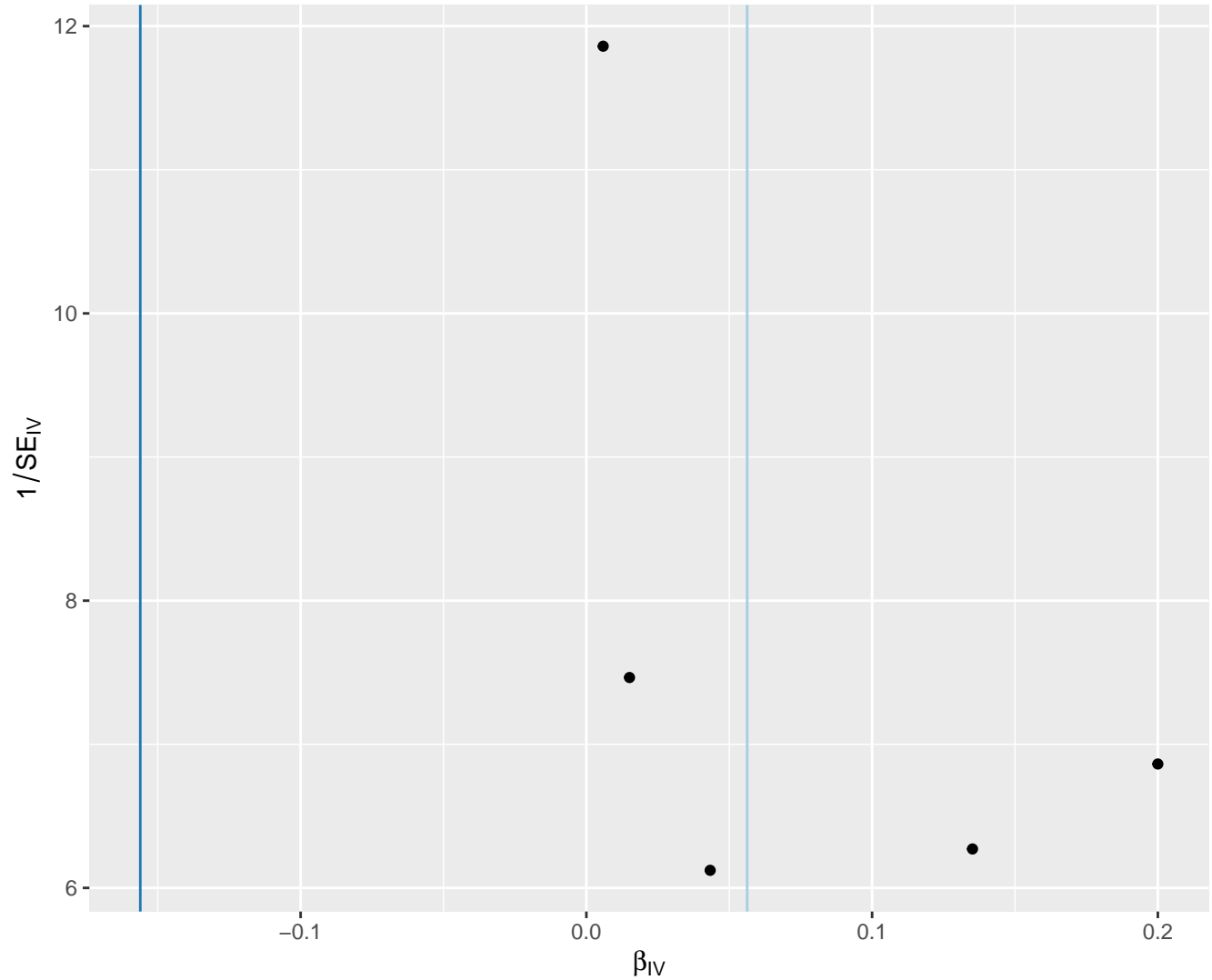
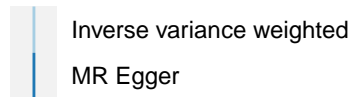
MR Method



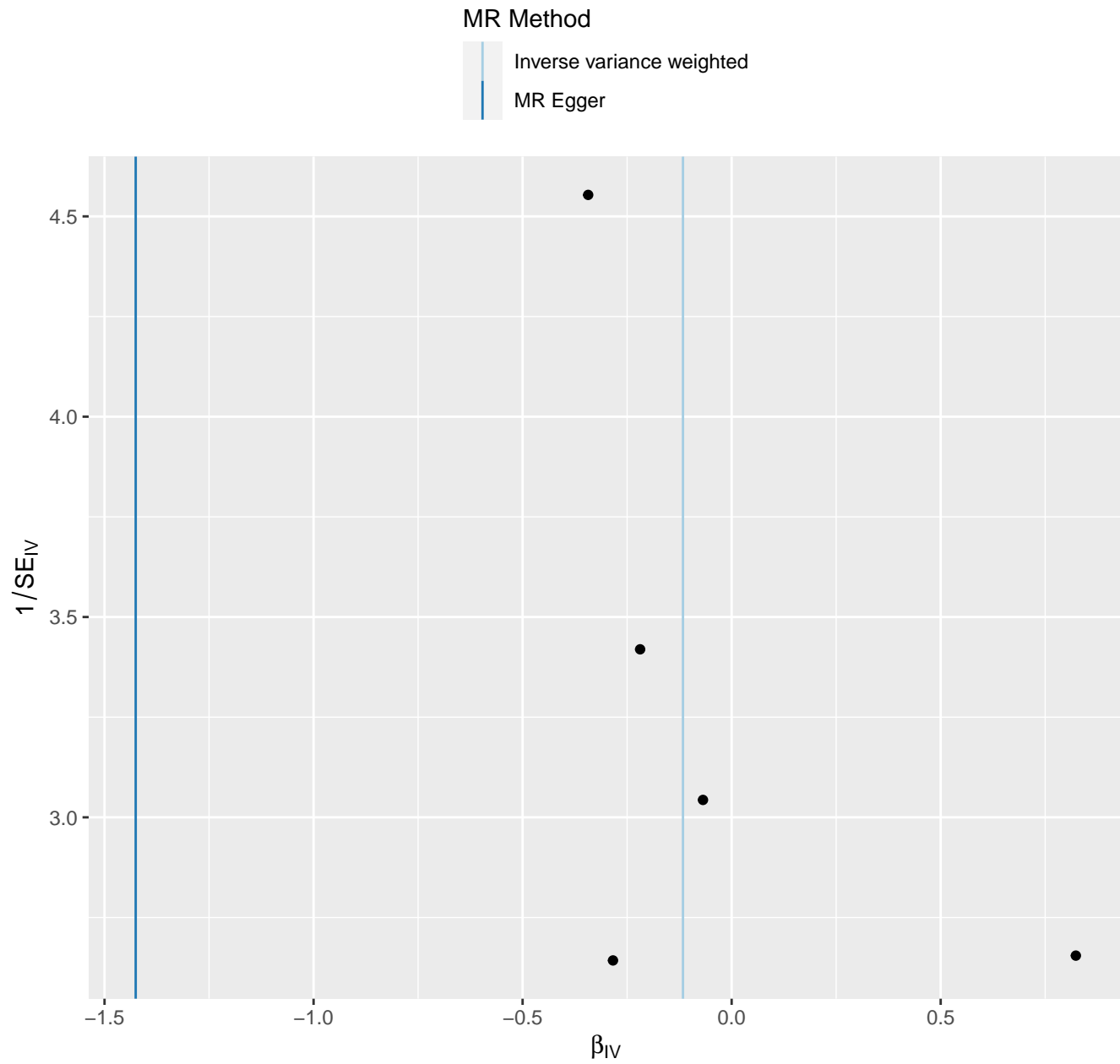


## 2-tetradecenoyl carnitine

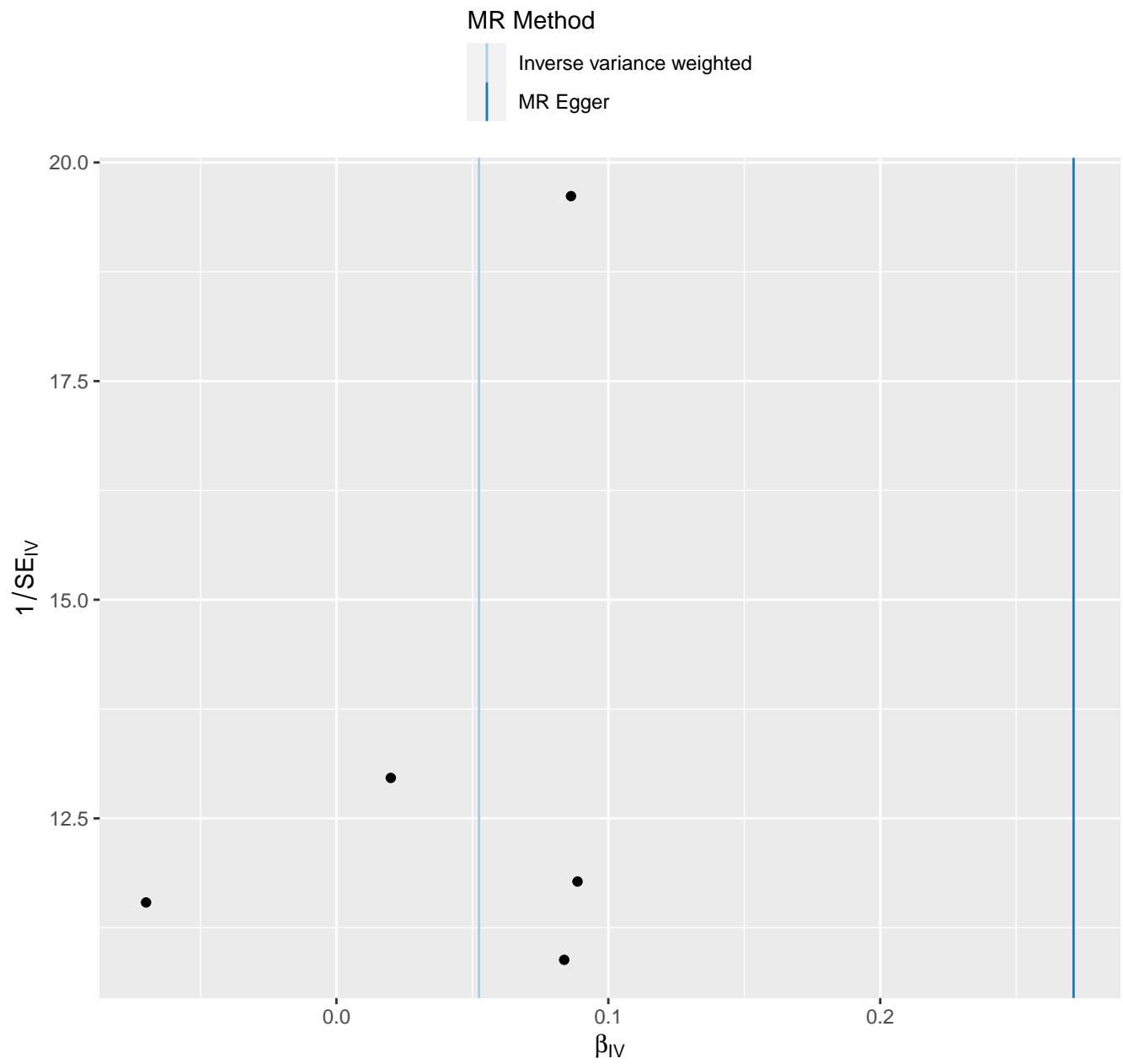
MR Method



# 3-(3-hydroxyphenyl)propionate

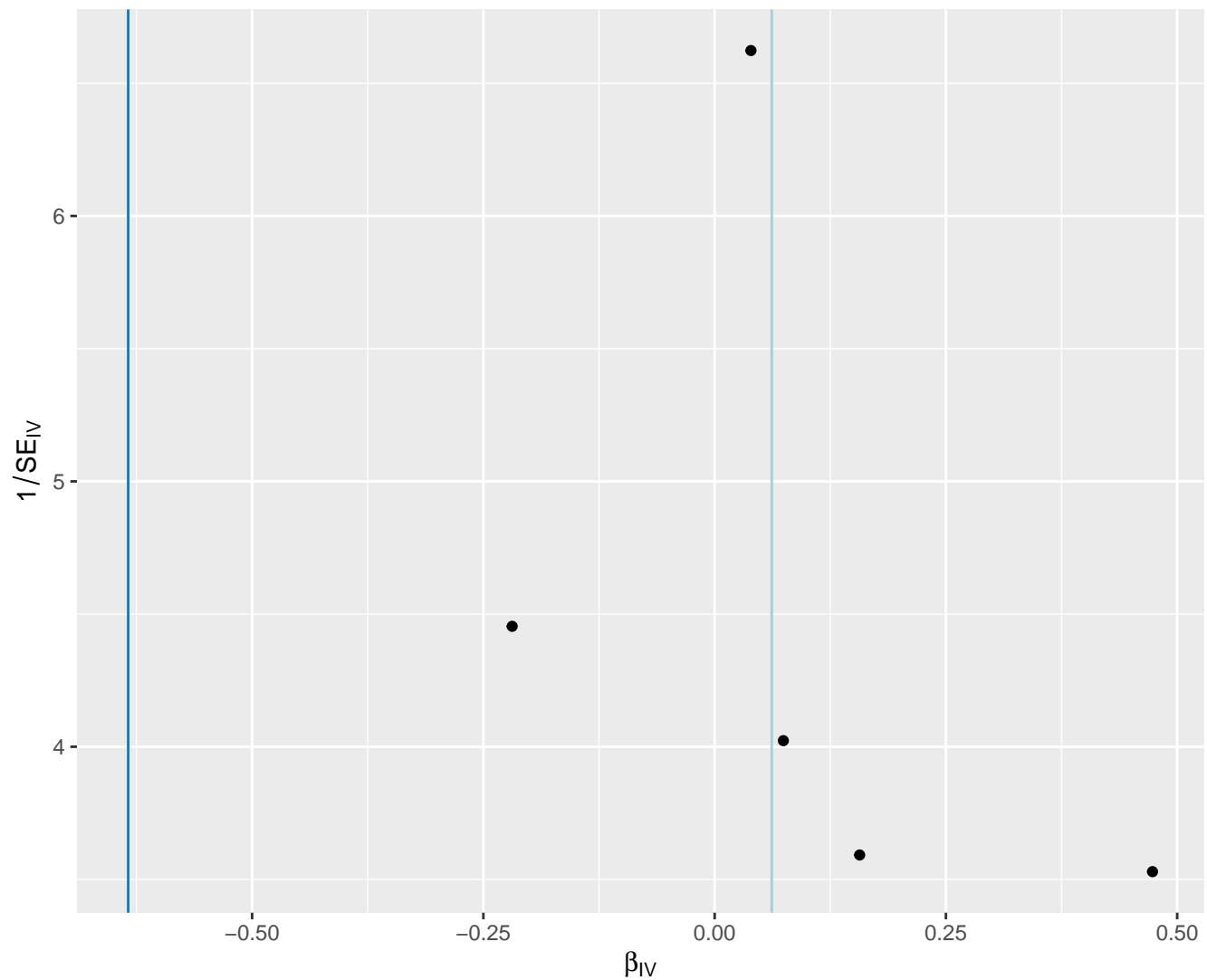


# 3-(4-hydroxyphenyl)lactate



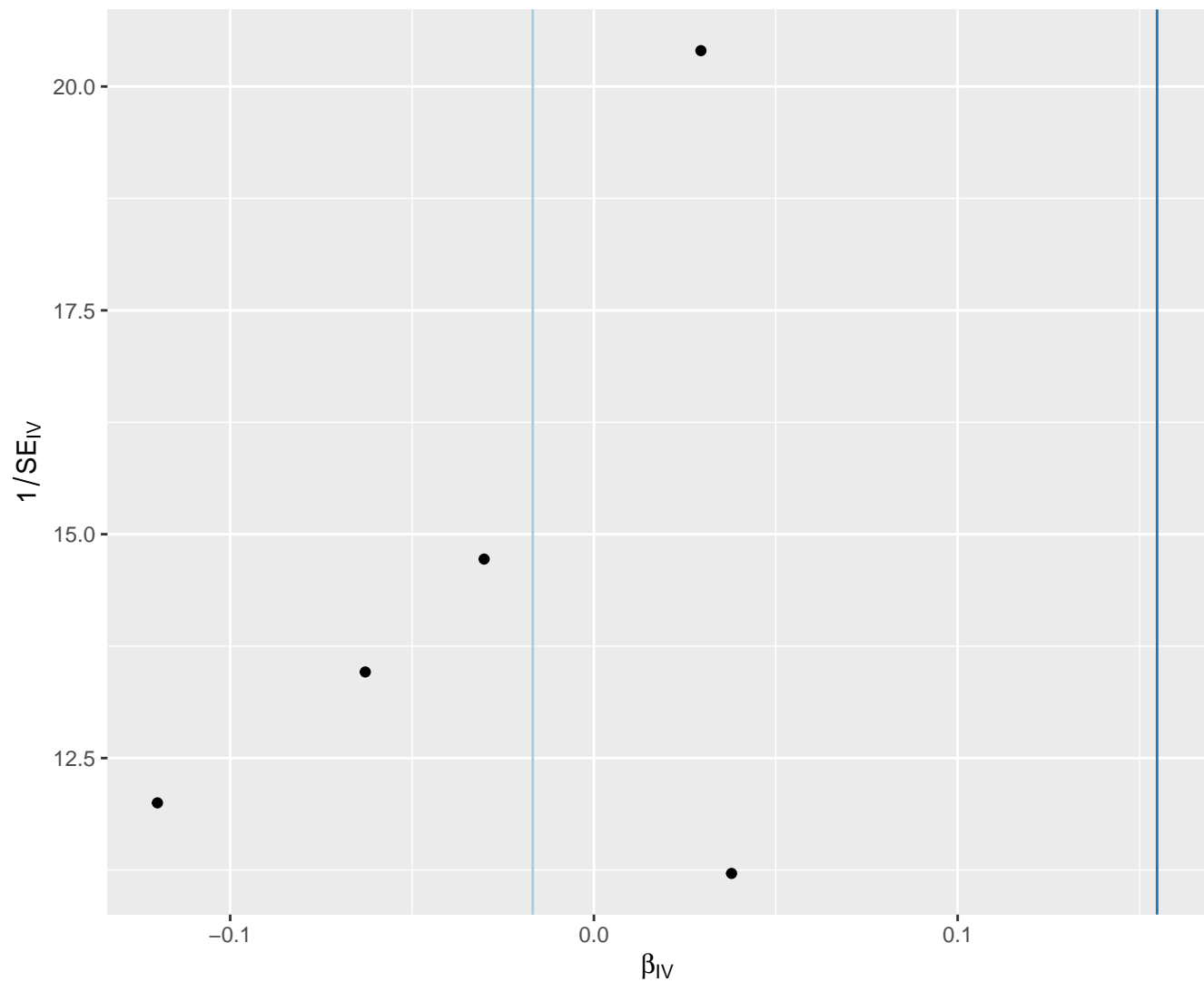
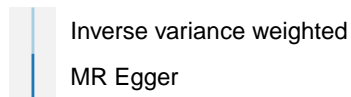
3-carboxy-4-methyl-5-propyl-2-furanpropanoate (CMPF)

MR Method



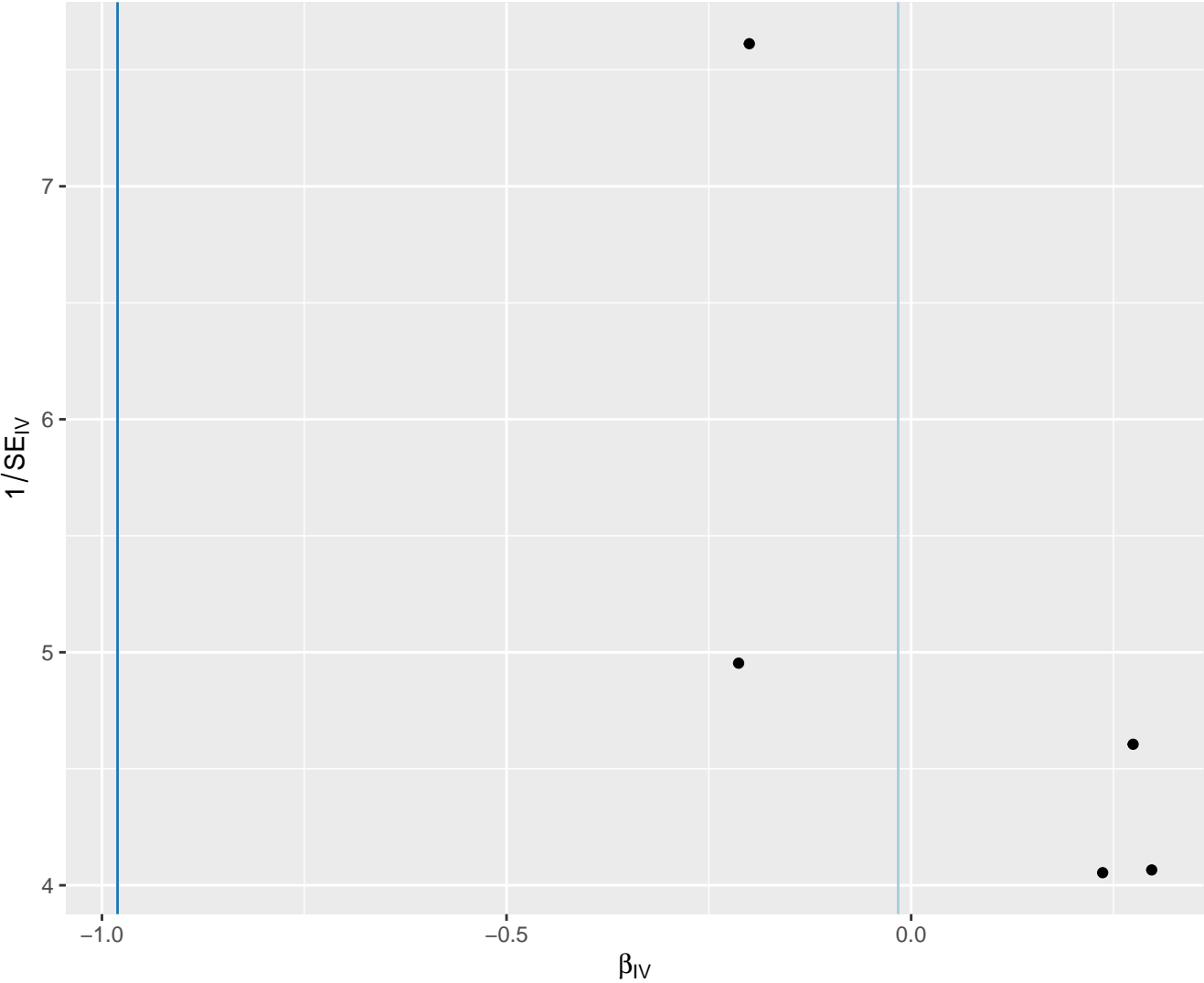
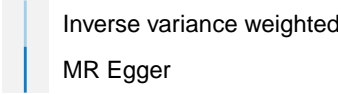
# 3-dehydrocarnitine\*

MR Method



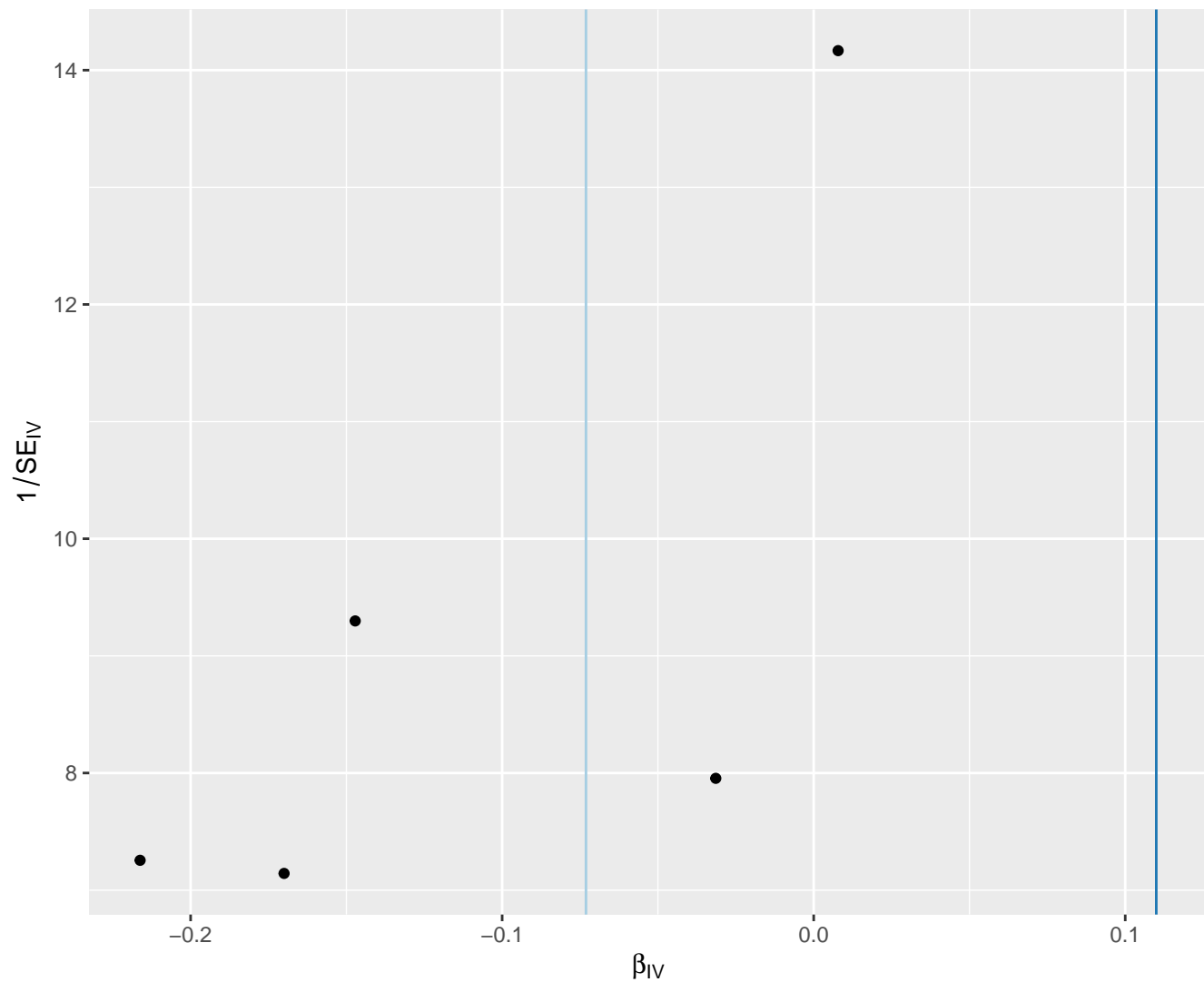
# 3-hydroxybutyrate (BHBA)

MR Method



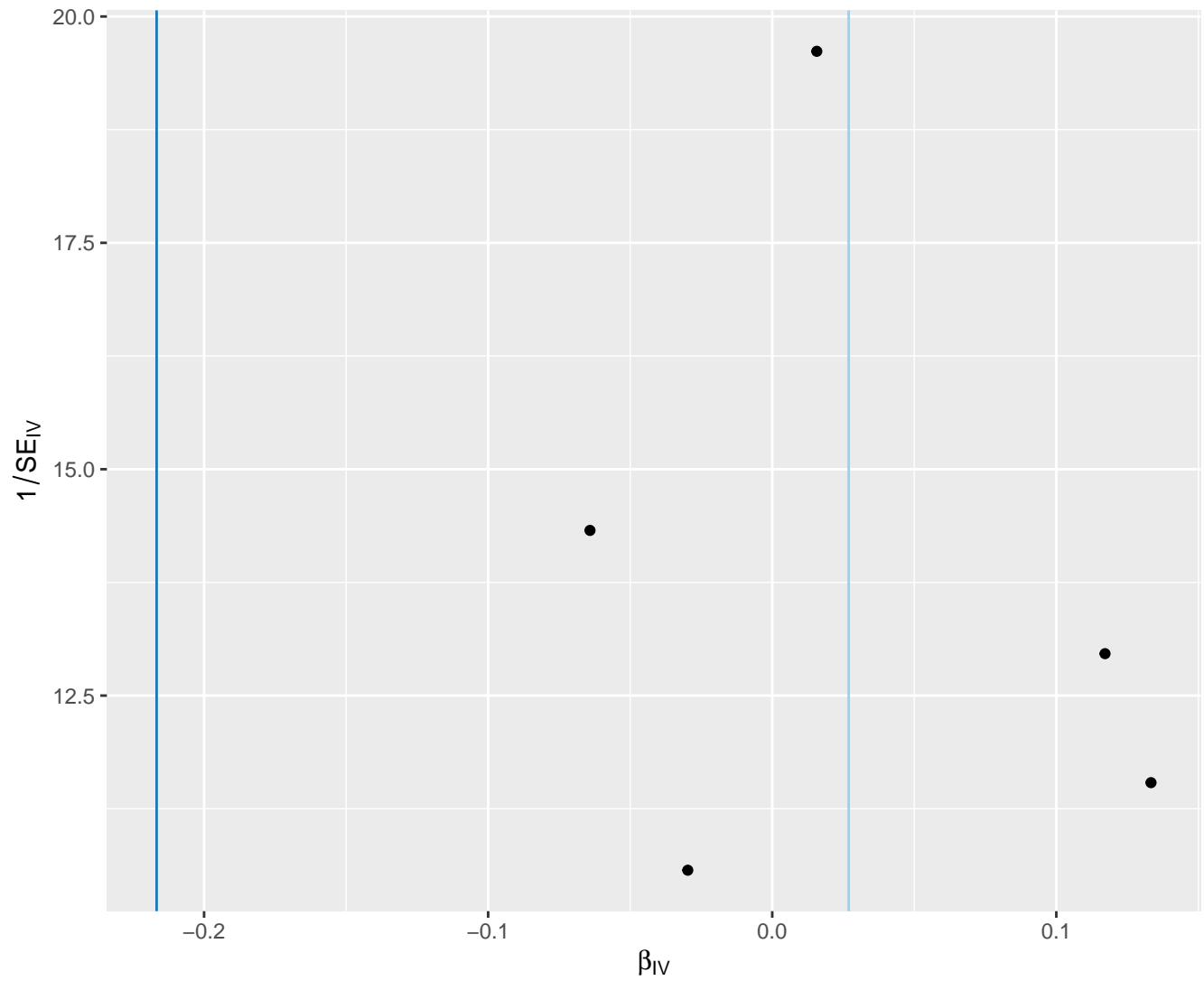
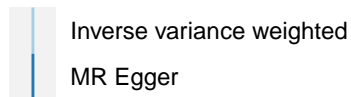
# 3-indoxyl sulfate

MR Method



# 3-methoxytyrosine

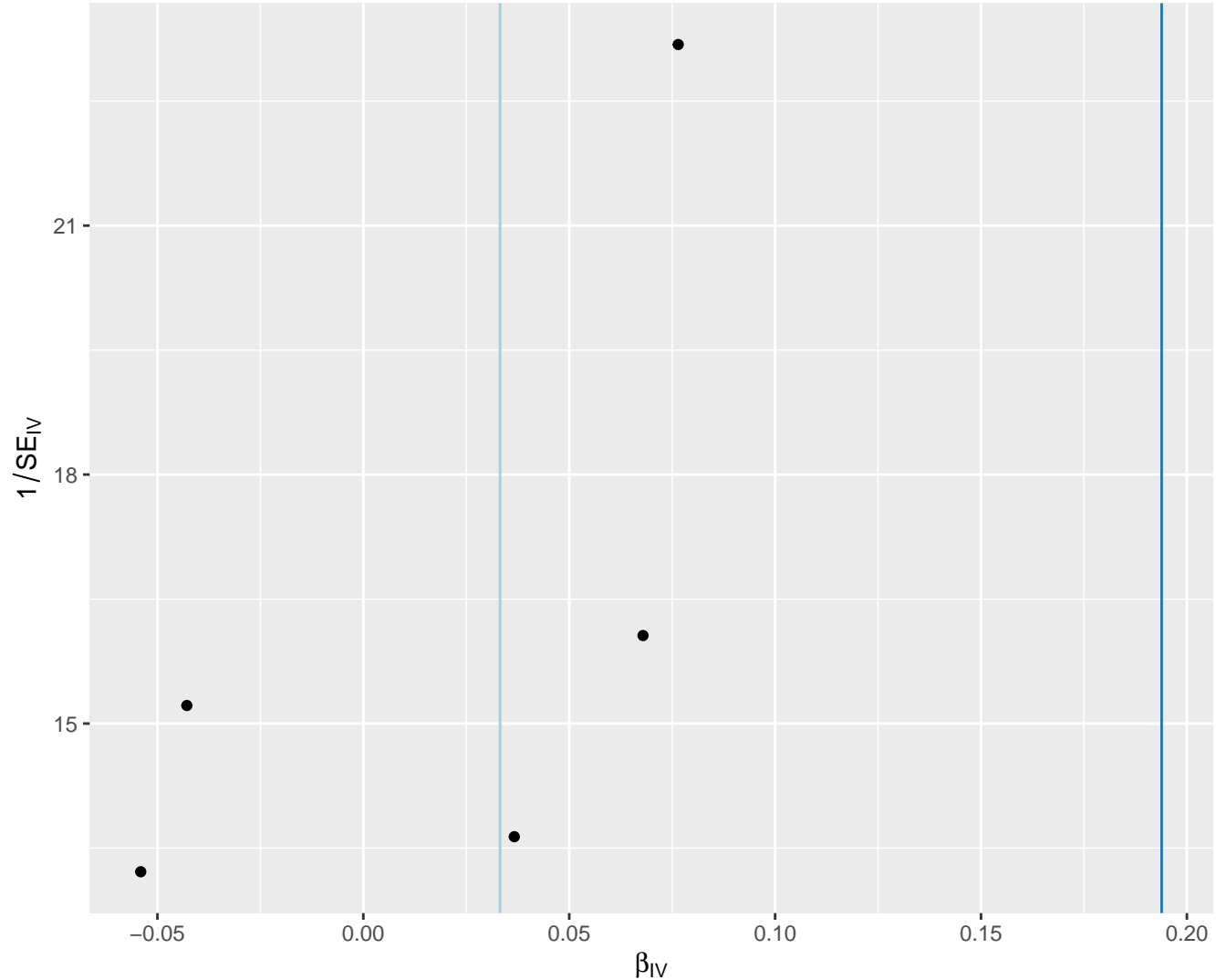
MR Method



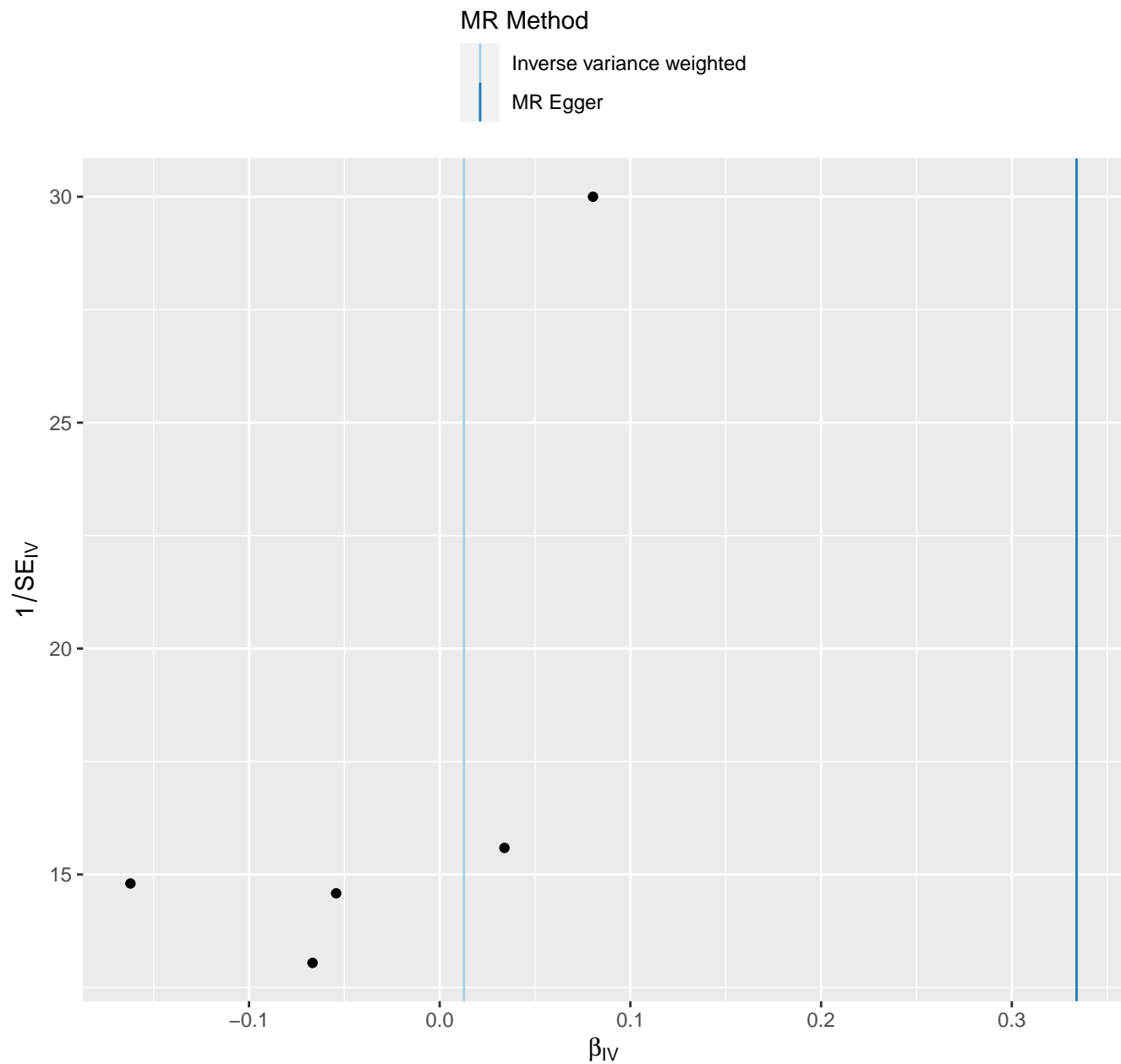


3-methyl-2-oxobutyrate

MR Method

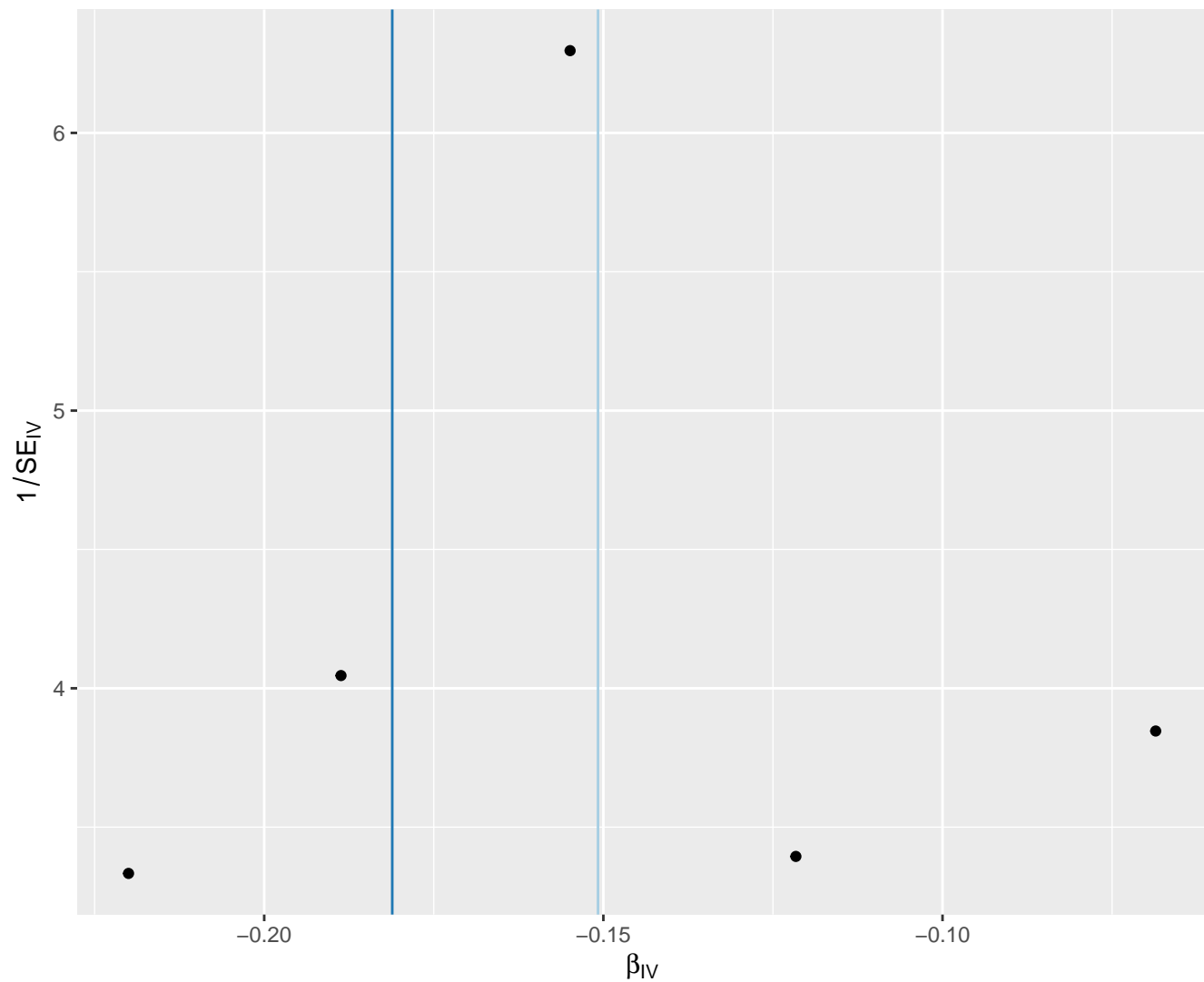


3-methyl-2-oxovalerate



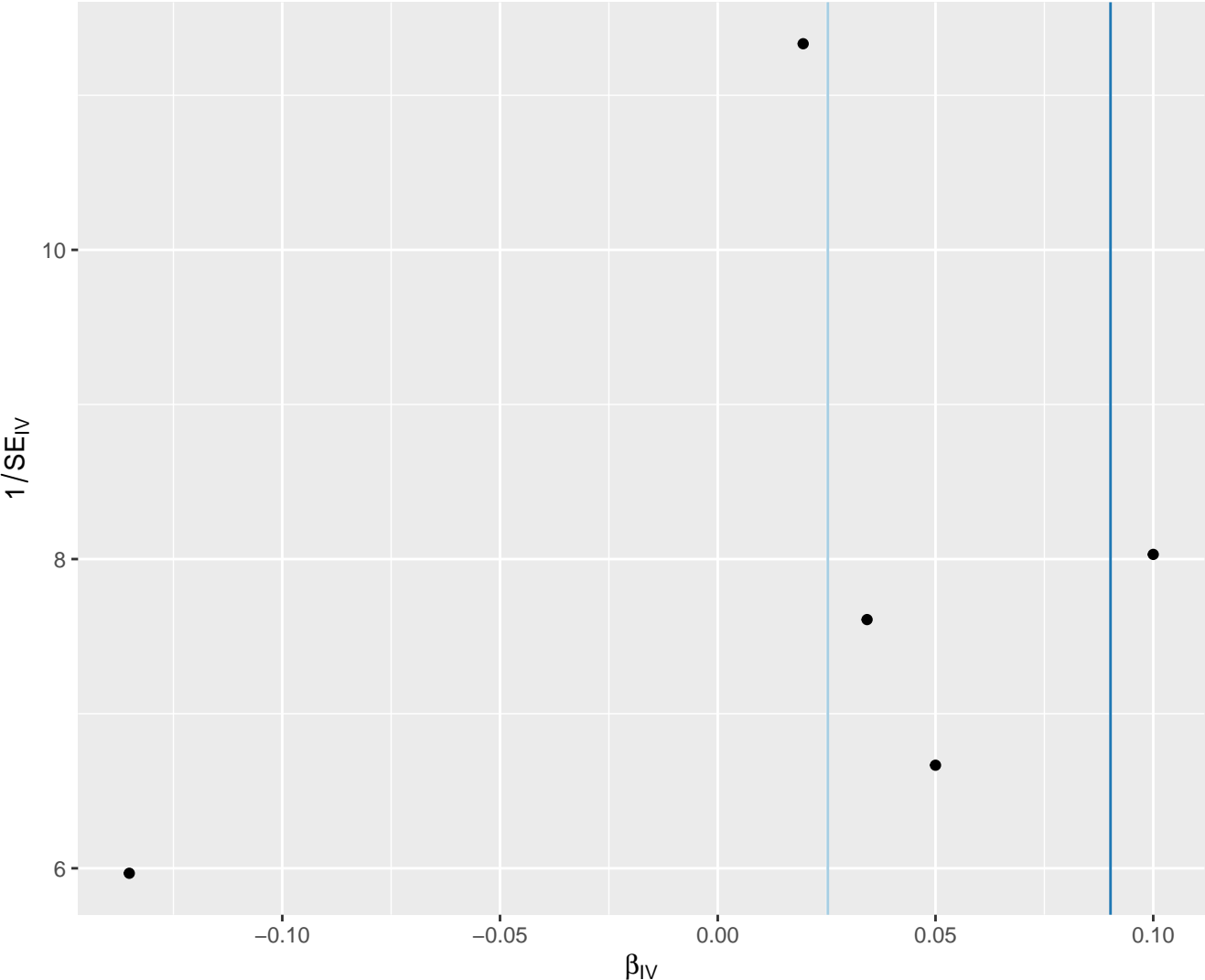
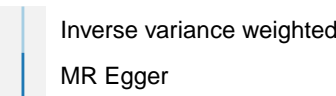
# 3-methylhistidine

MR Method



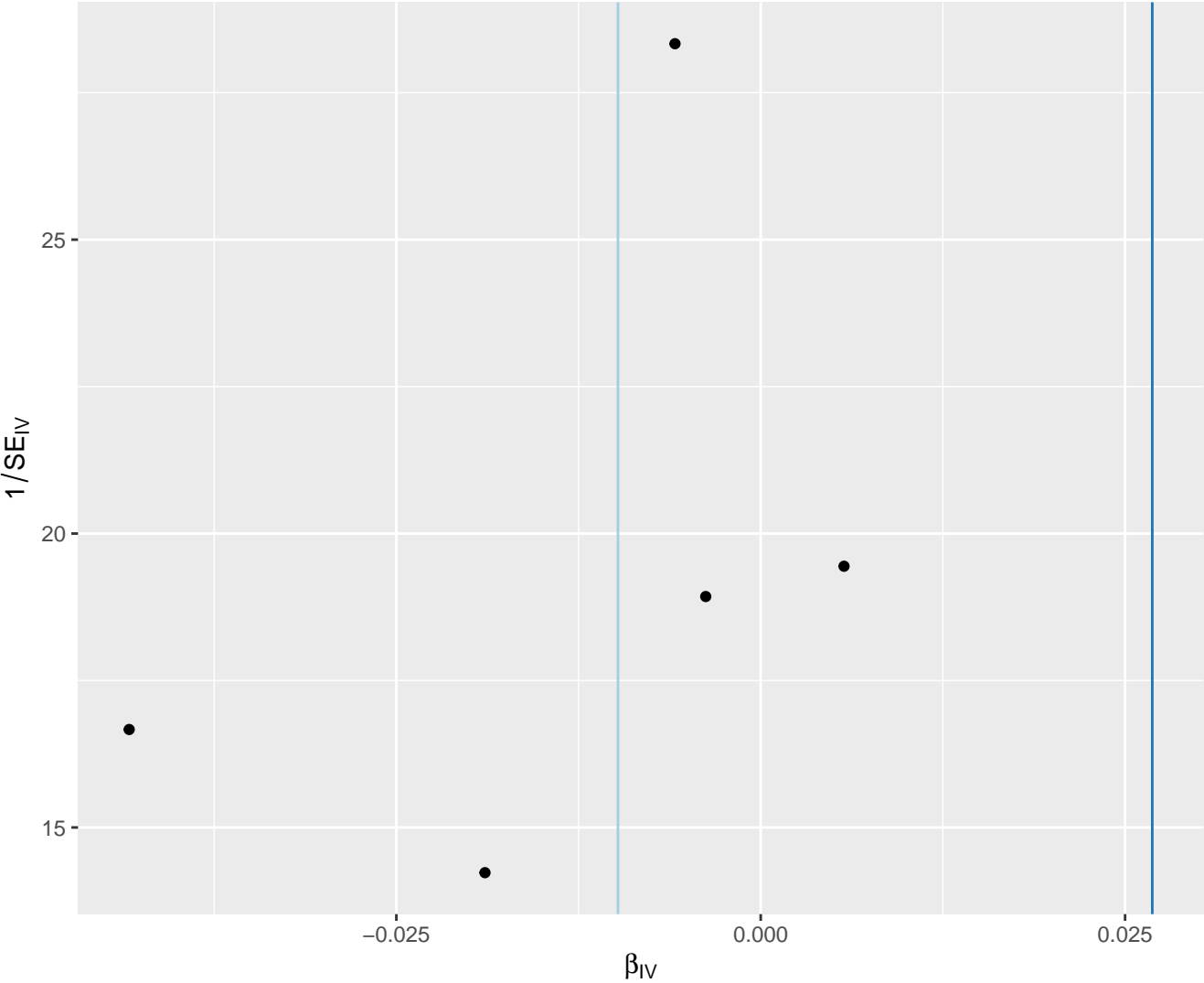
3-phenylpropionate (hydrocinnamate)

MR Method



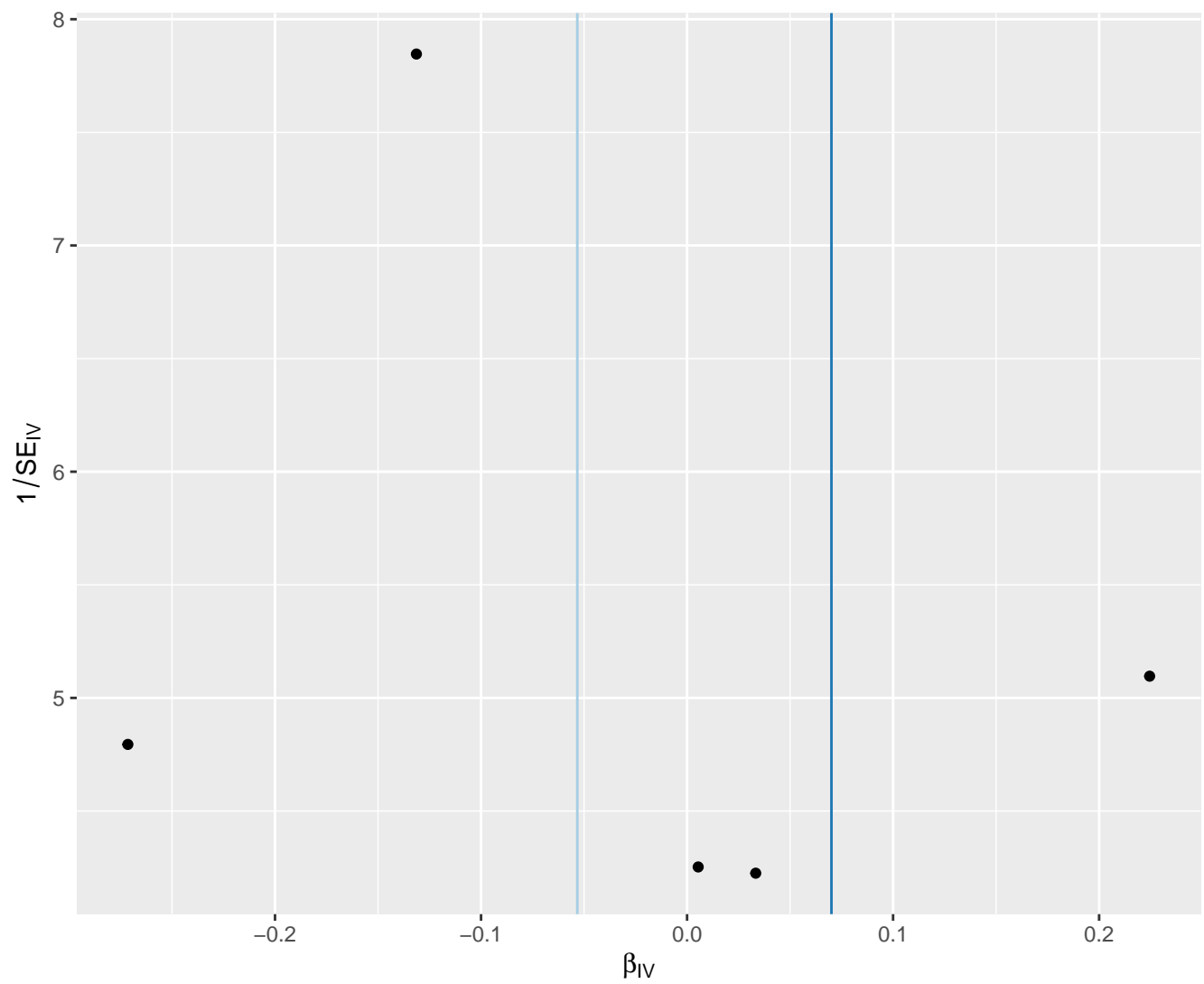
4-acetamidobutanoate

MR Method



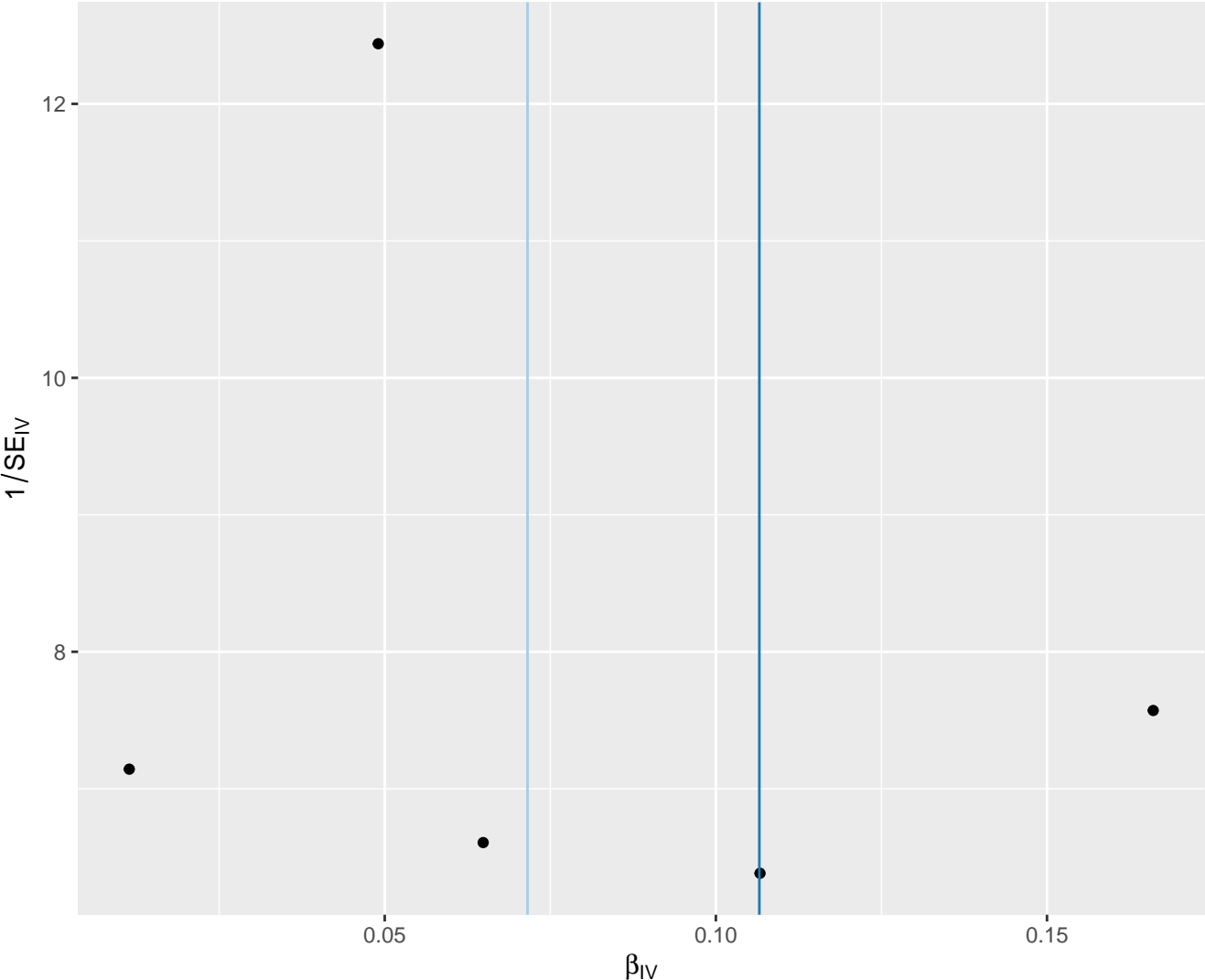
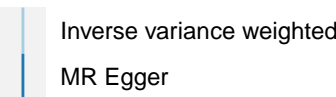
# 4-androsten-3beta,17beta-diol disulfate 1\*

MR Method



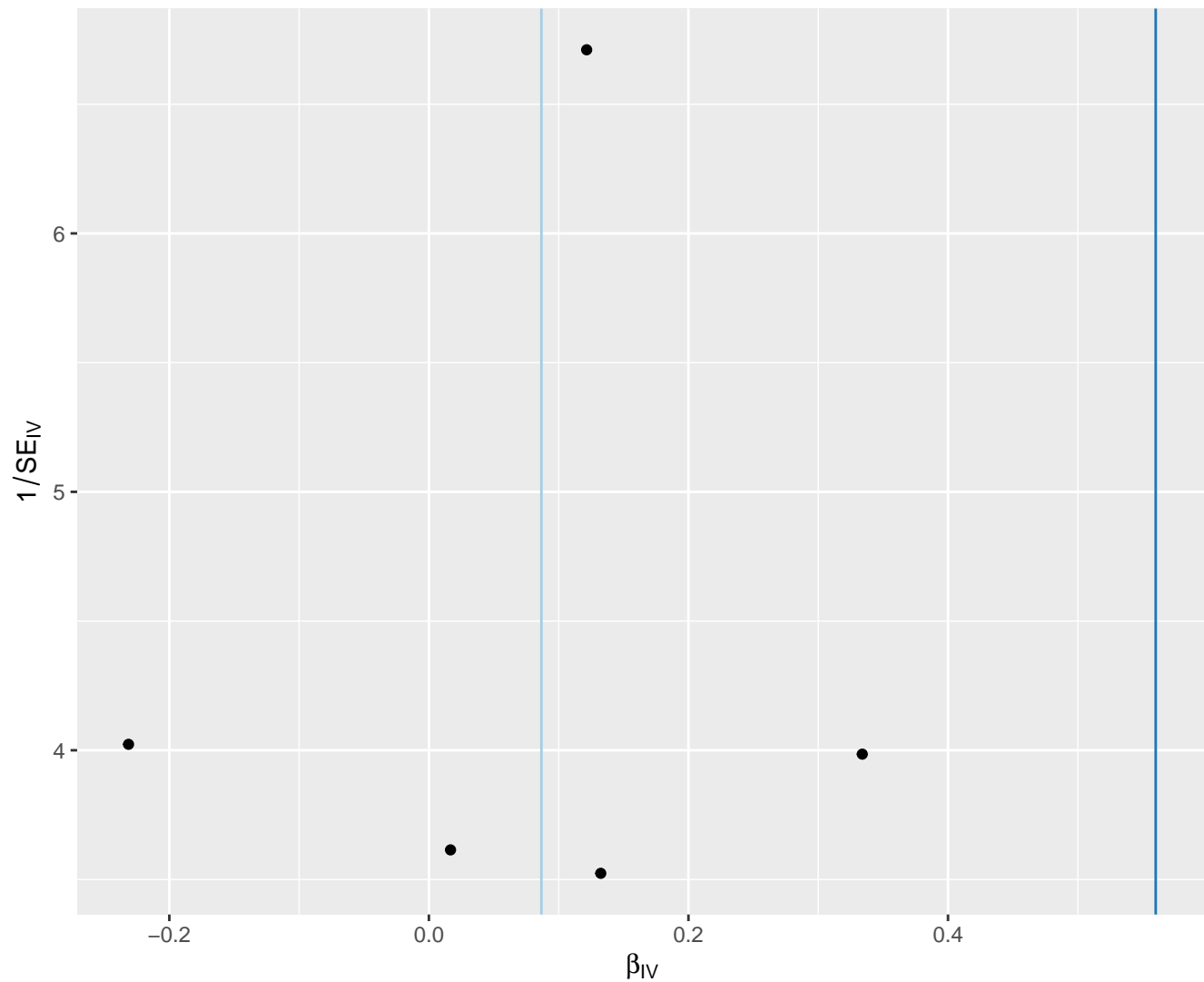
4-androsten-3beta,17beta-diol disulfate 2\*

MR Method



# 4-hydroxyhippurate

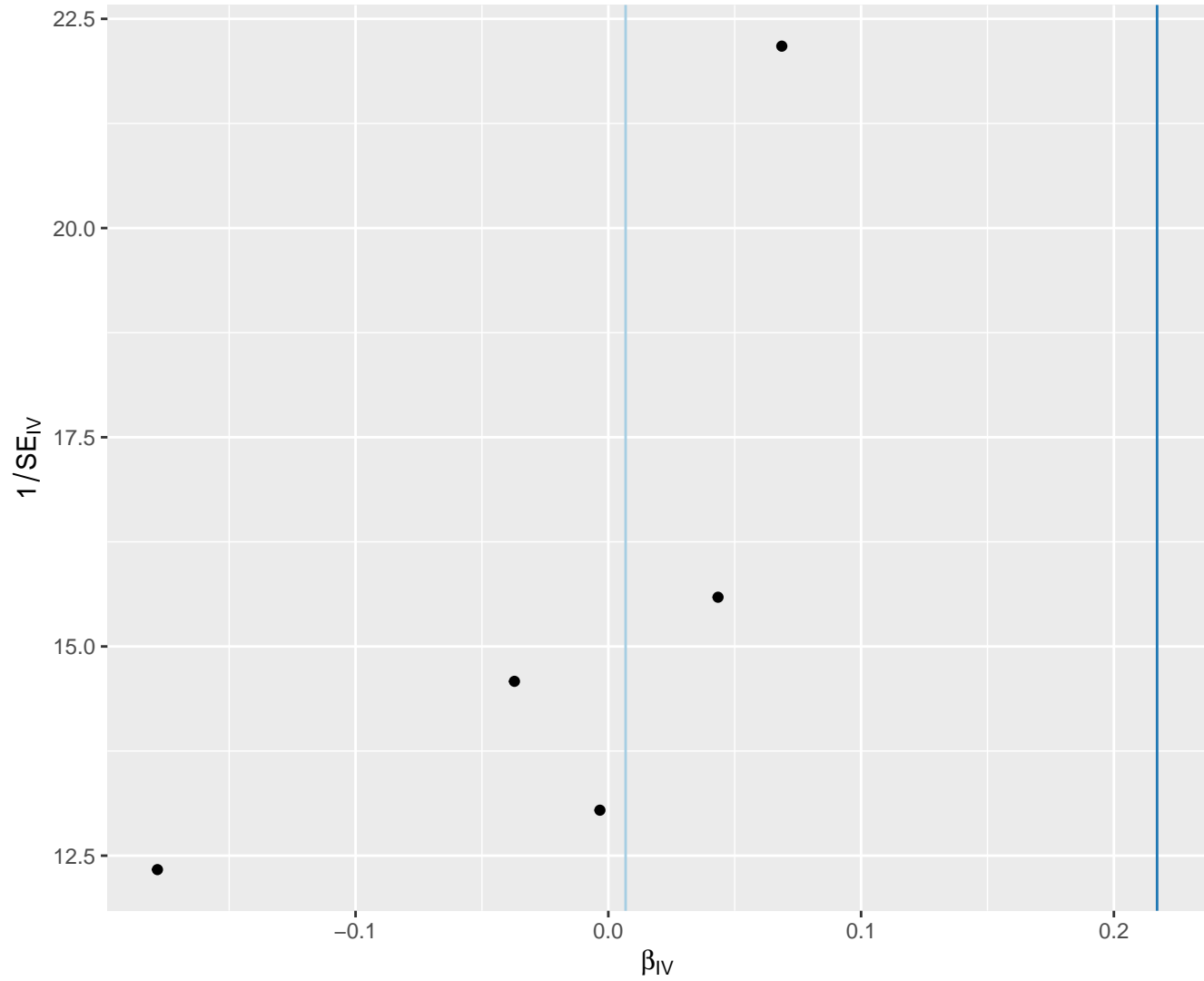
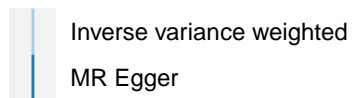
MR Method





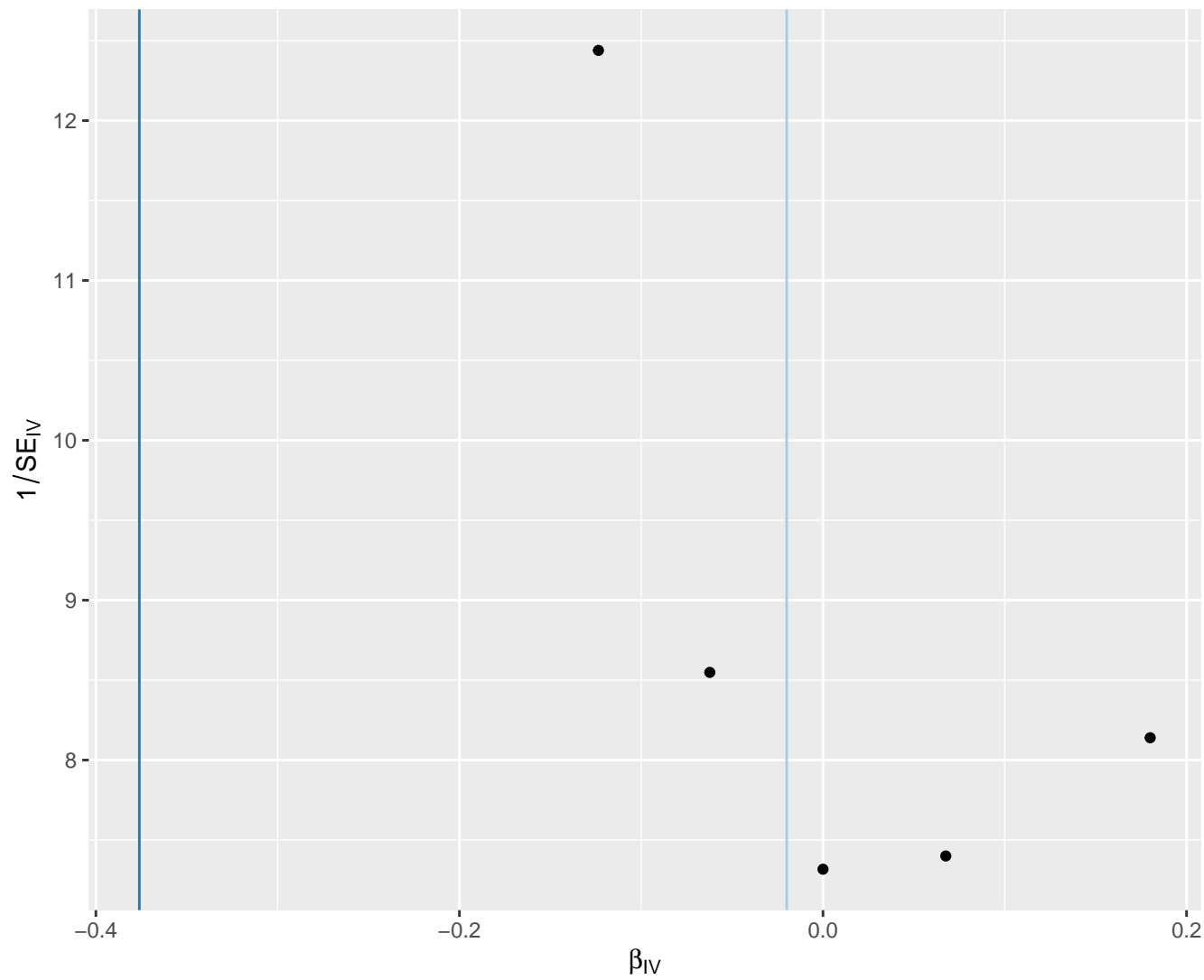
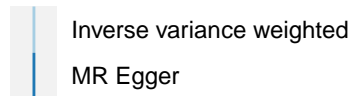
# 4-methyl-2-oxopentanoate

MR Method



# 5-dodecenoate (12:1n7)

MR Method

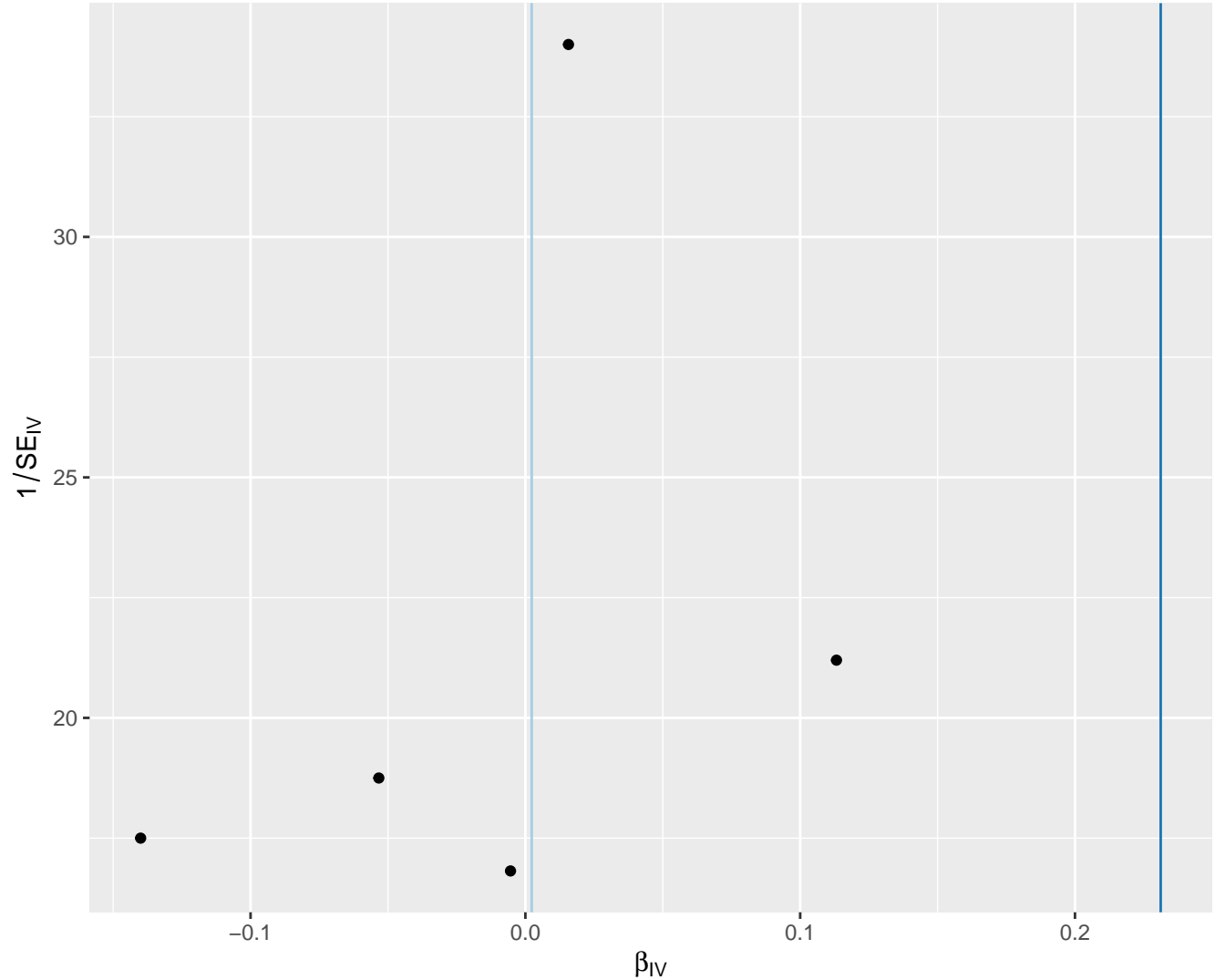


# 5-oxoproline

MR Method

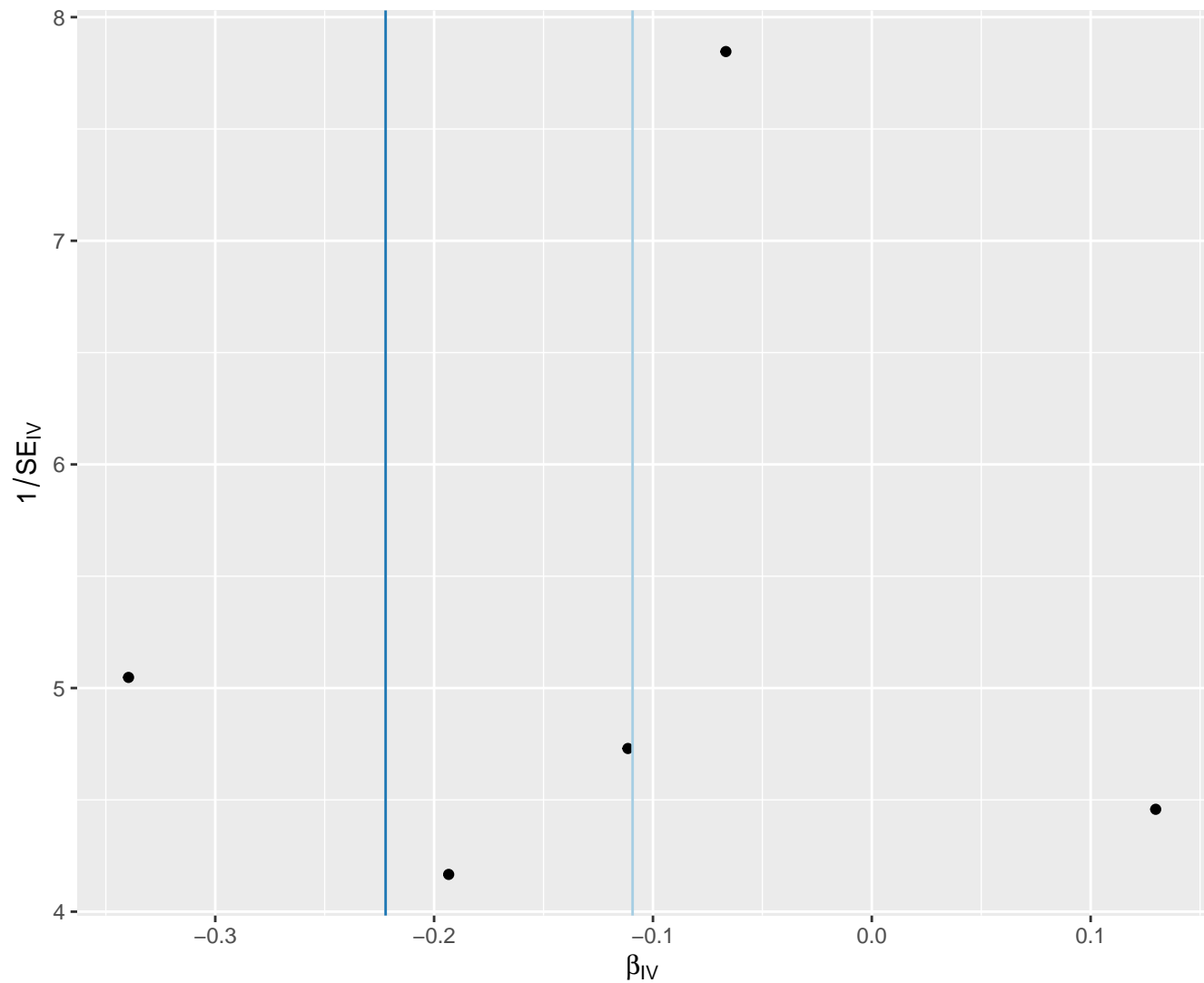
Inverse variance weighted

MR Egger



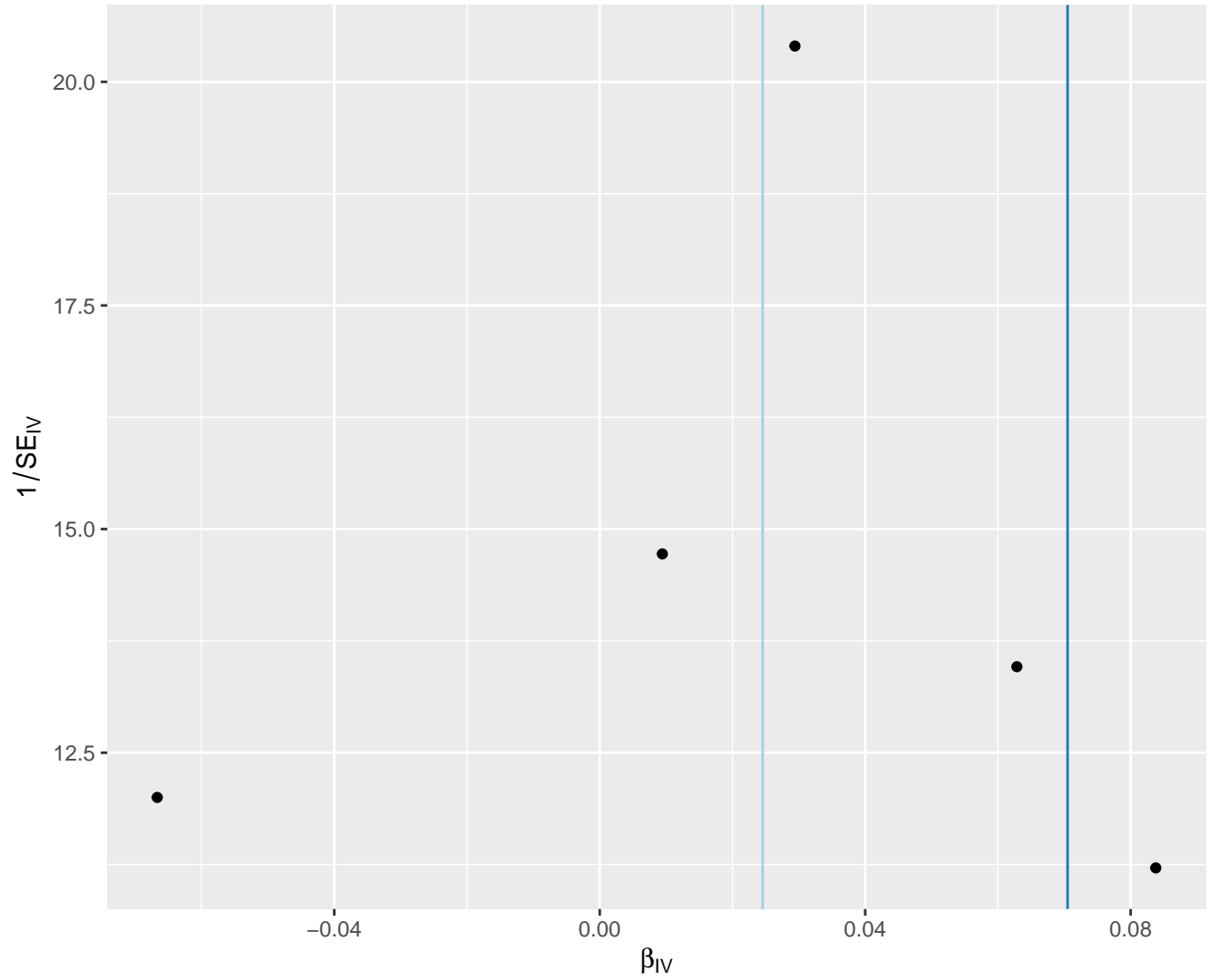
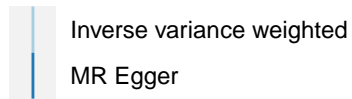
# 5alpha-androstan-3beta,17beta-diol disulfate

MR Method



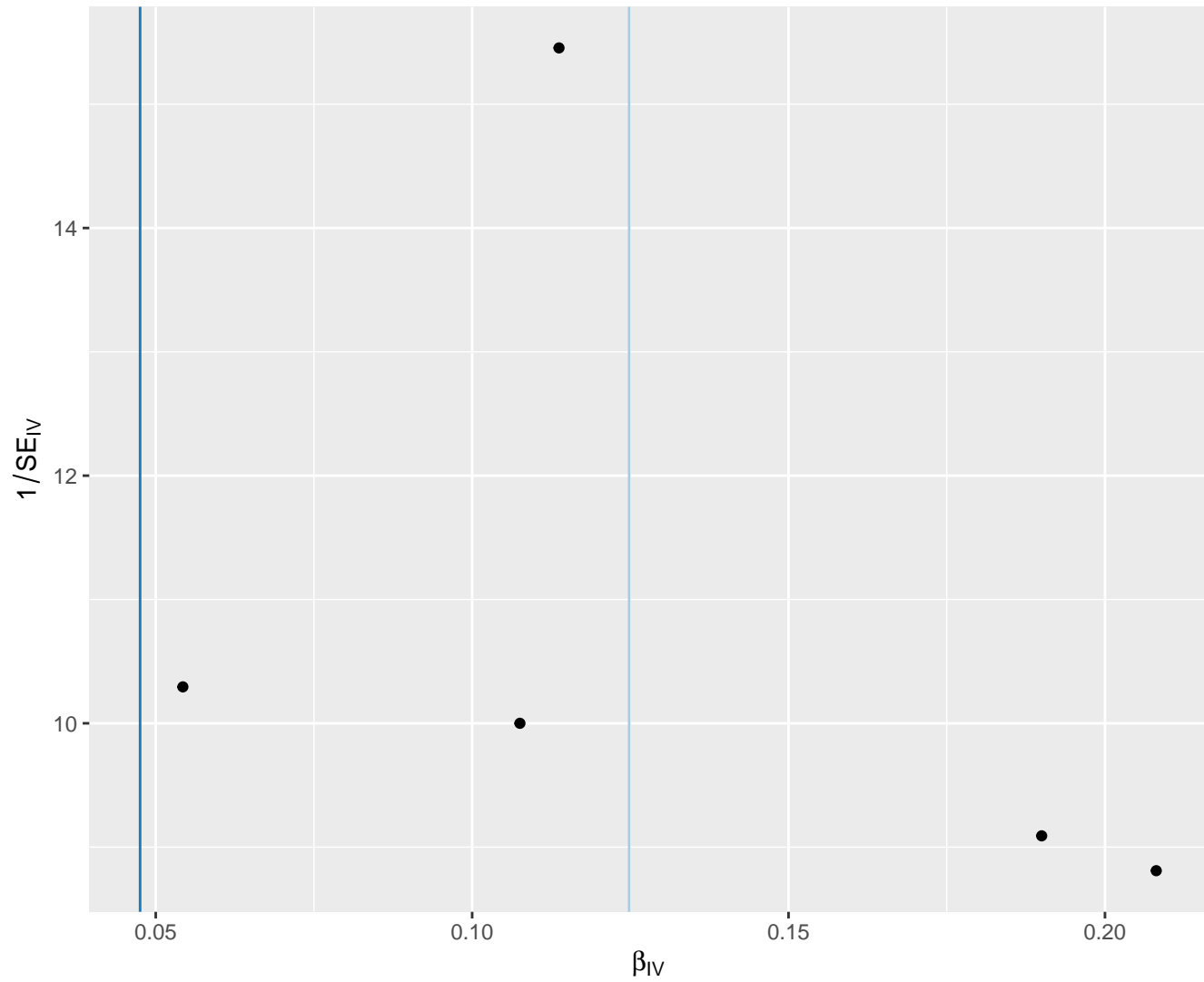
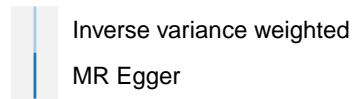
# 7-alpha-hydroxy-3-oxo-4-cholestenoate (7-Hoca)

MR Method

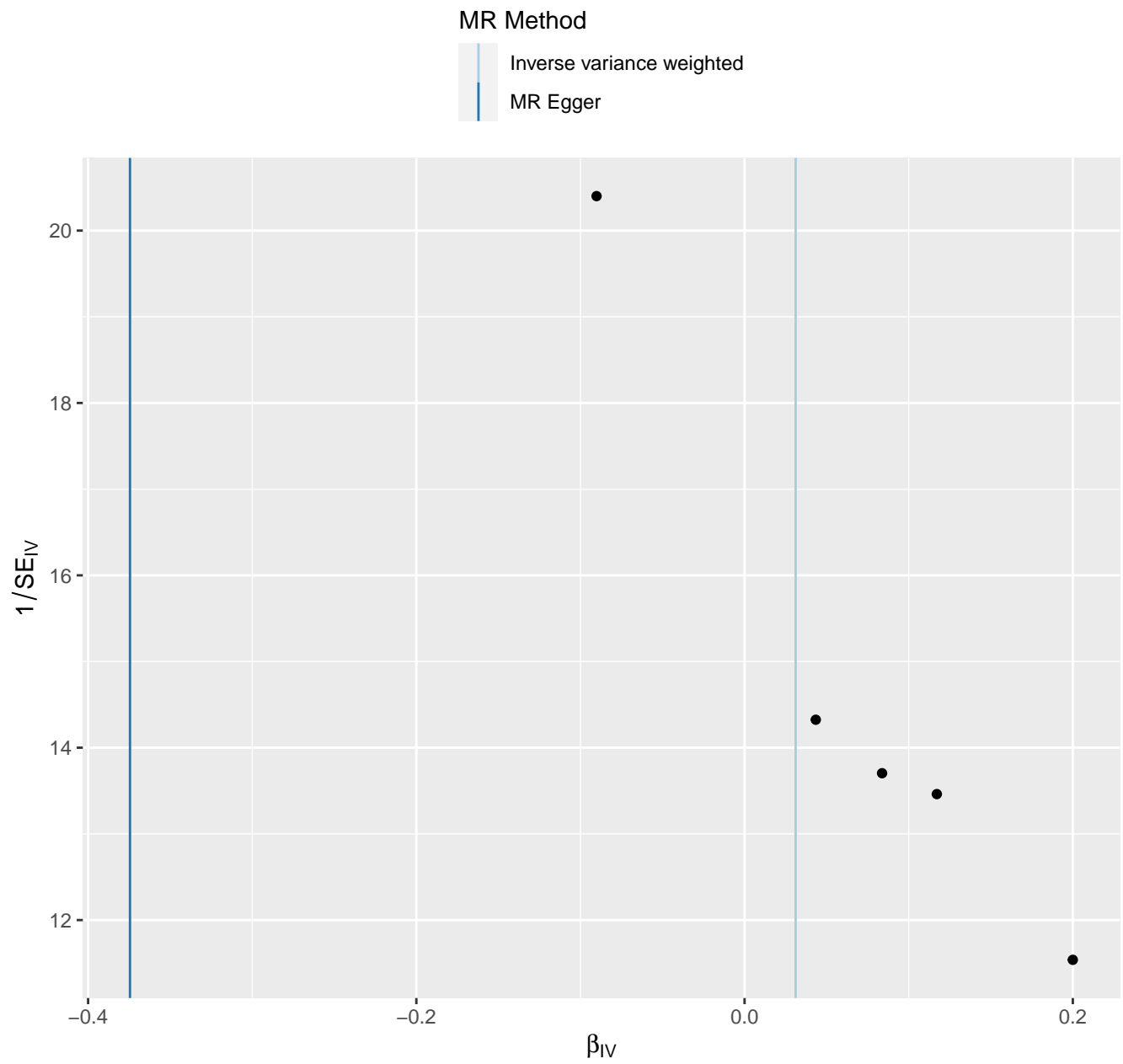


# 7-methylguanine

MR Method



# Acetylcarnitine



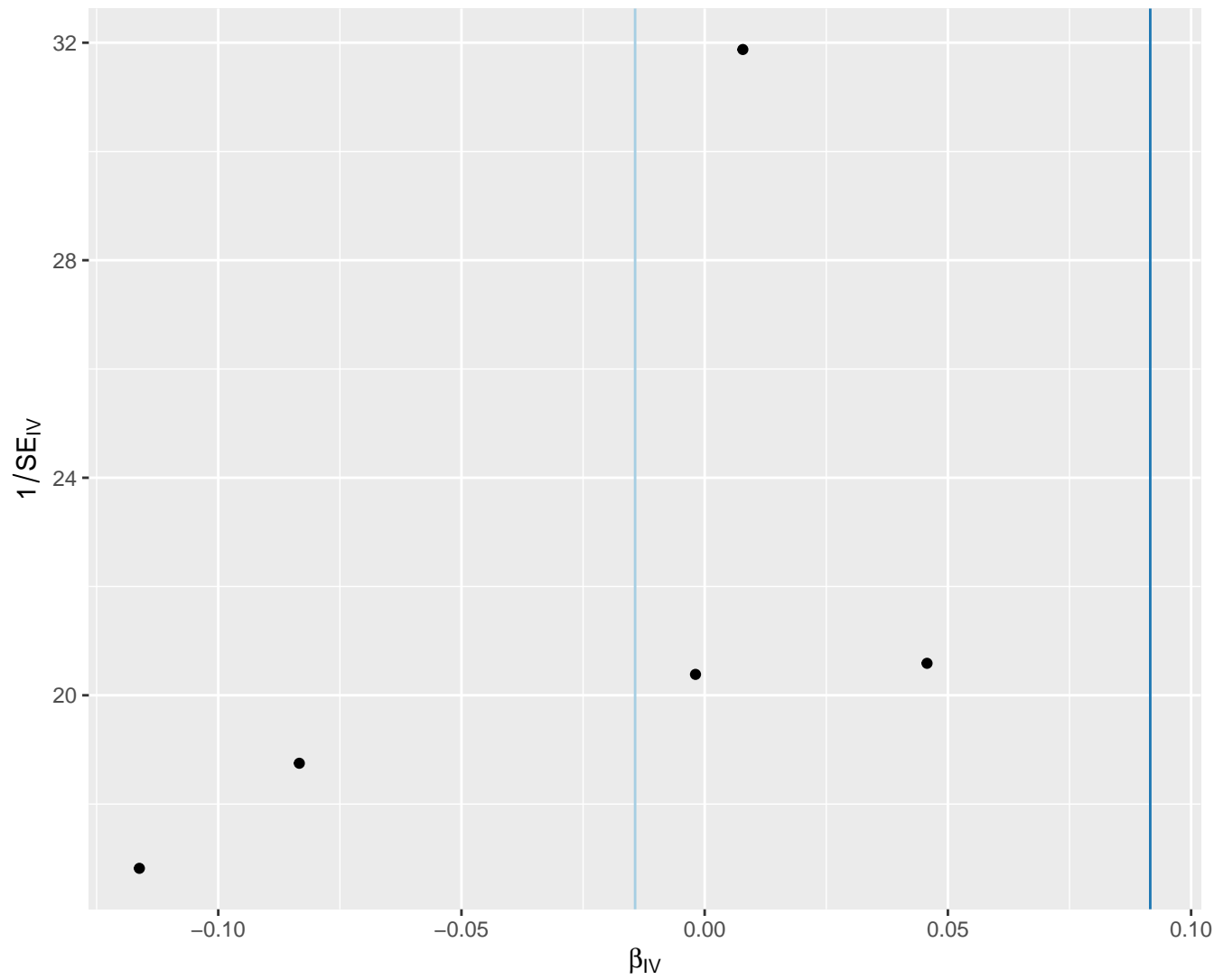
# Acetylphosphate

MR Method



Inverse variance weighted

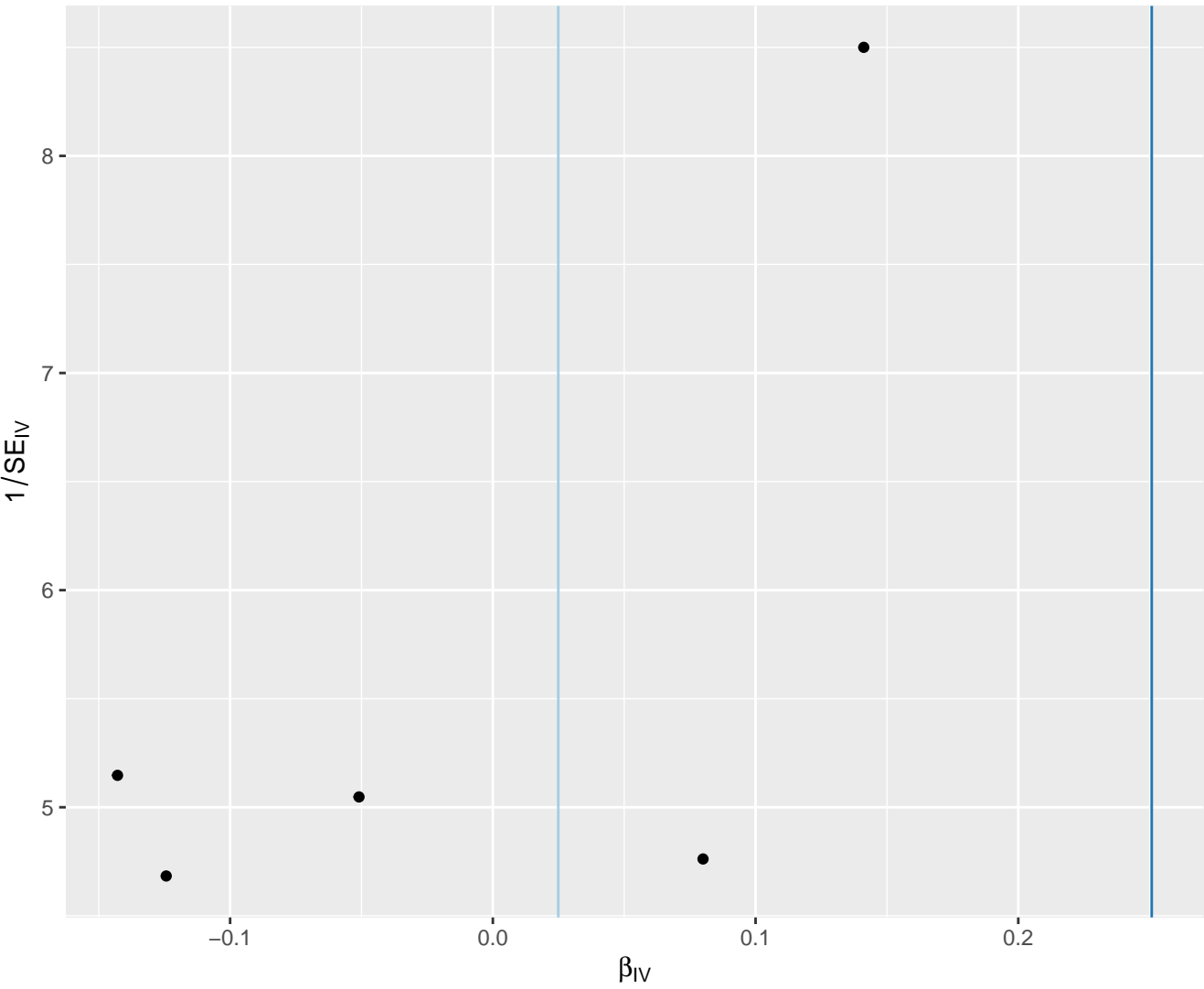
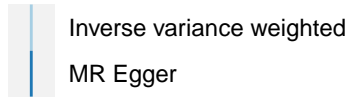
MR Egger





ADpSGEGDFXAEggGVR\*

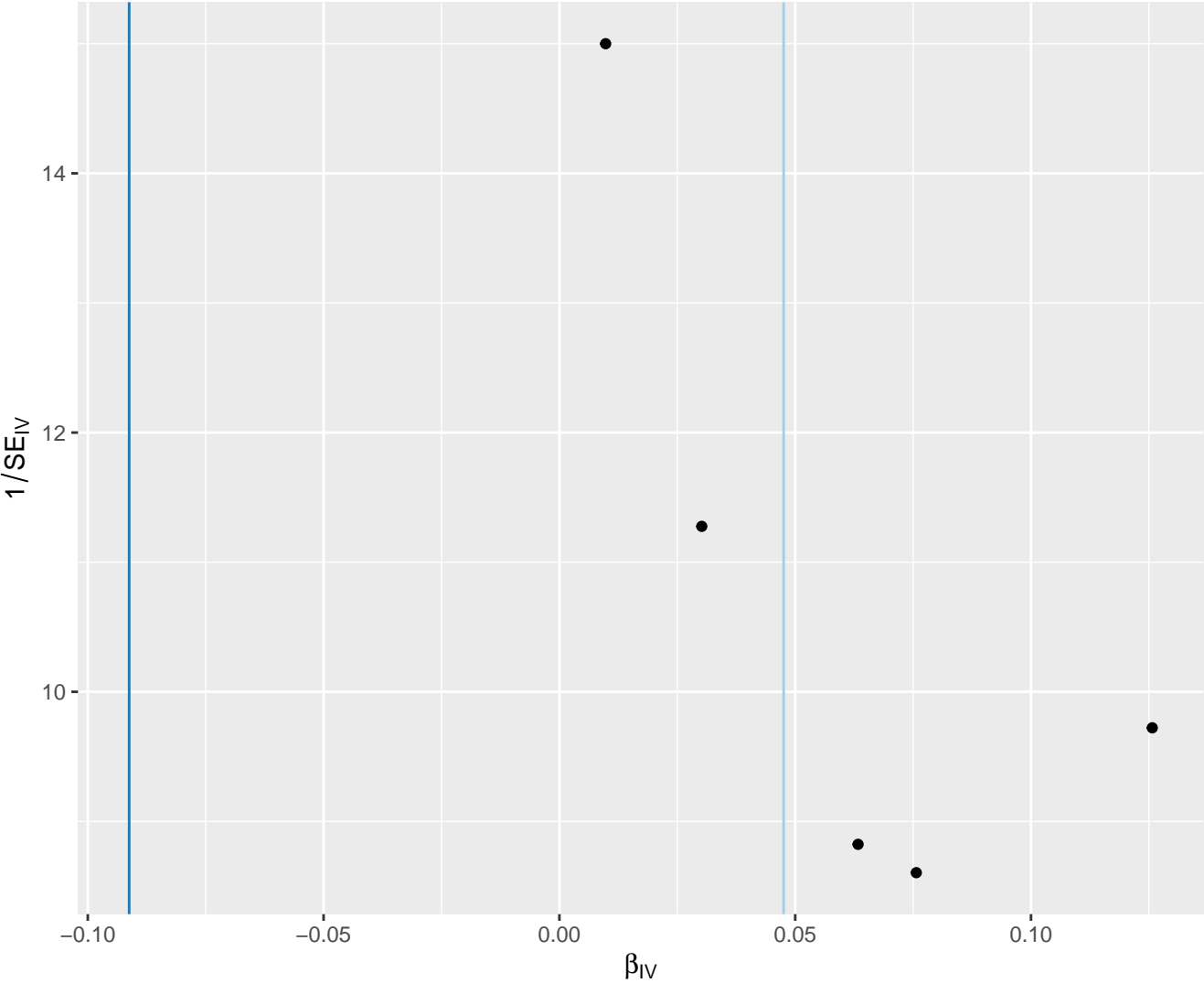
MR Method



Adrenate (22:4n6)

MR Method

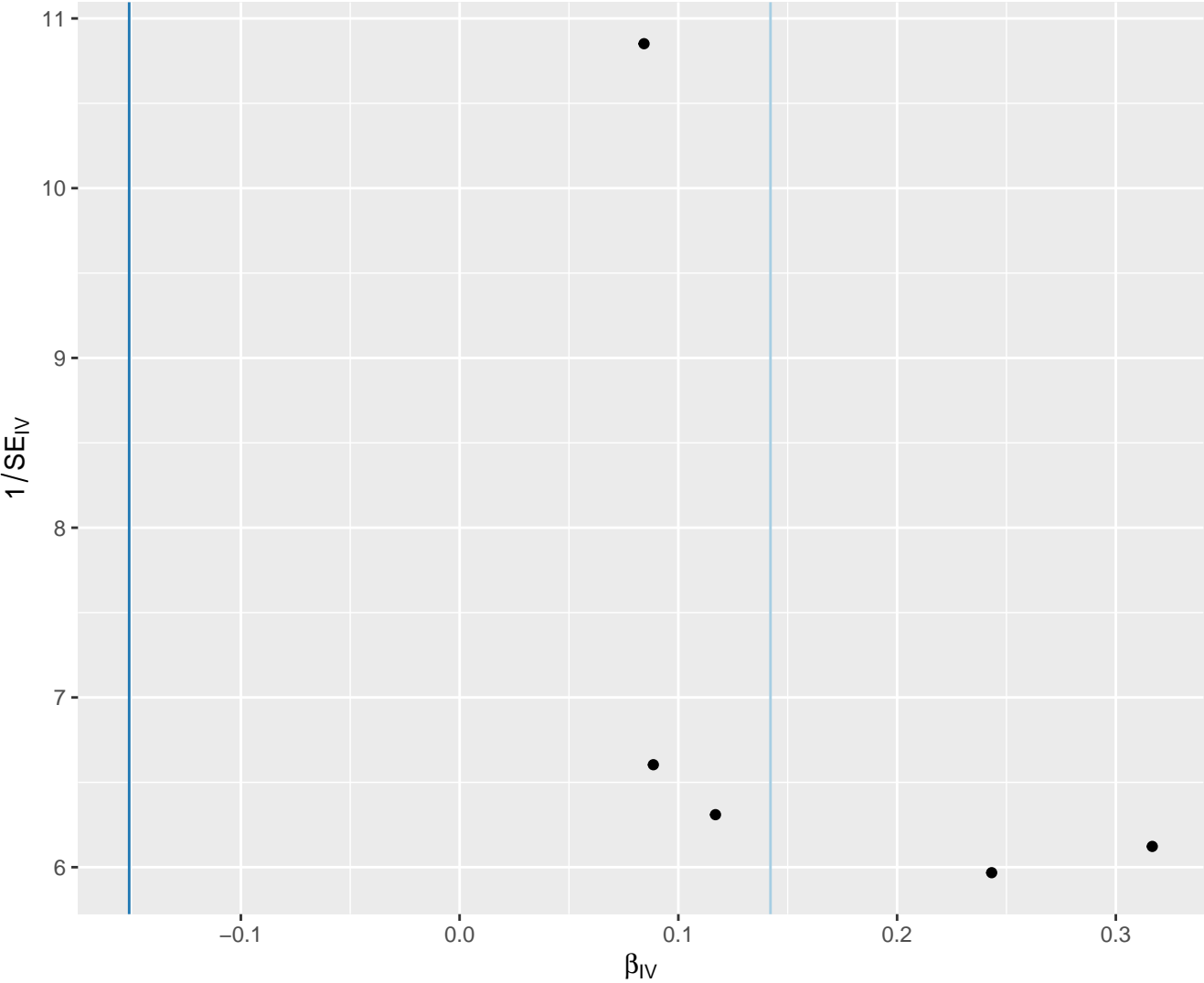
- Inverse variance weighted
- MR Egger



ADSGEGDFXAEAGGVR\*

MR Method

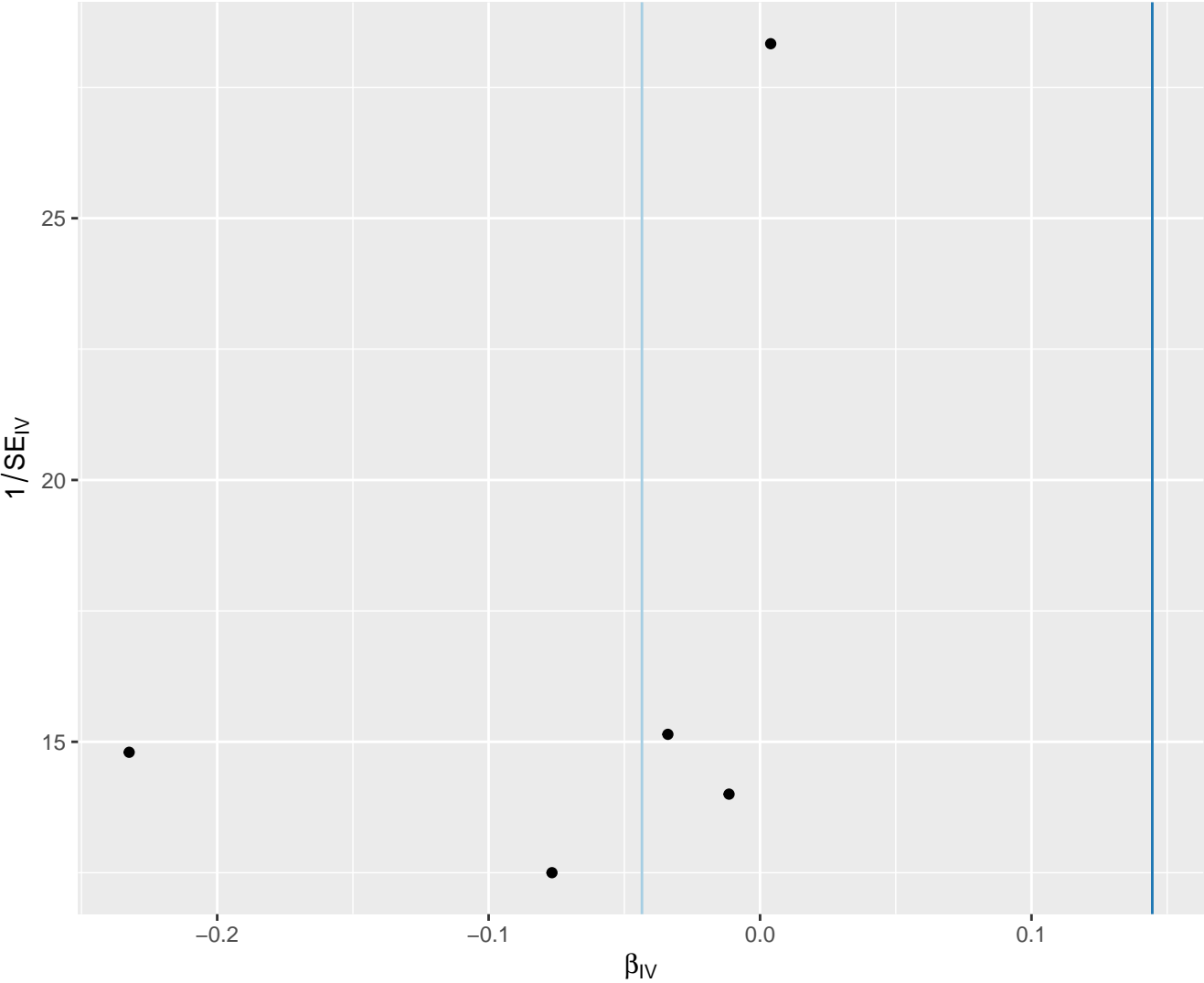
- Inverse variance weighted
- MR Egger



# Alanine

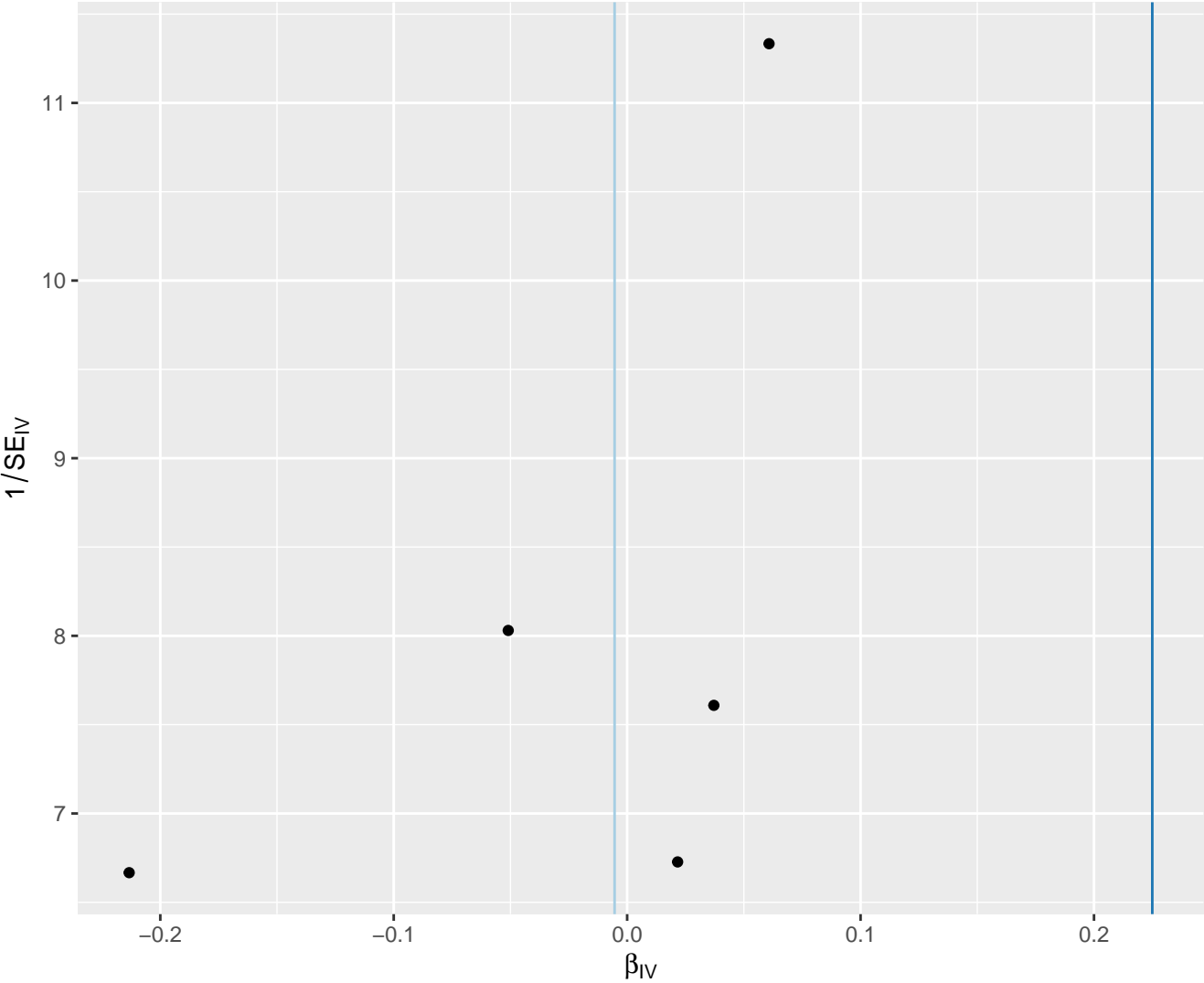
MR Method

- Inverse variance weighted
- MR Egger



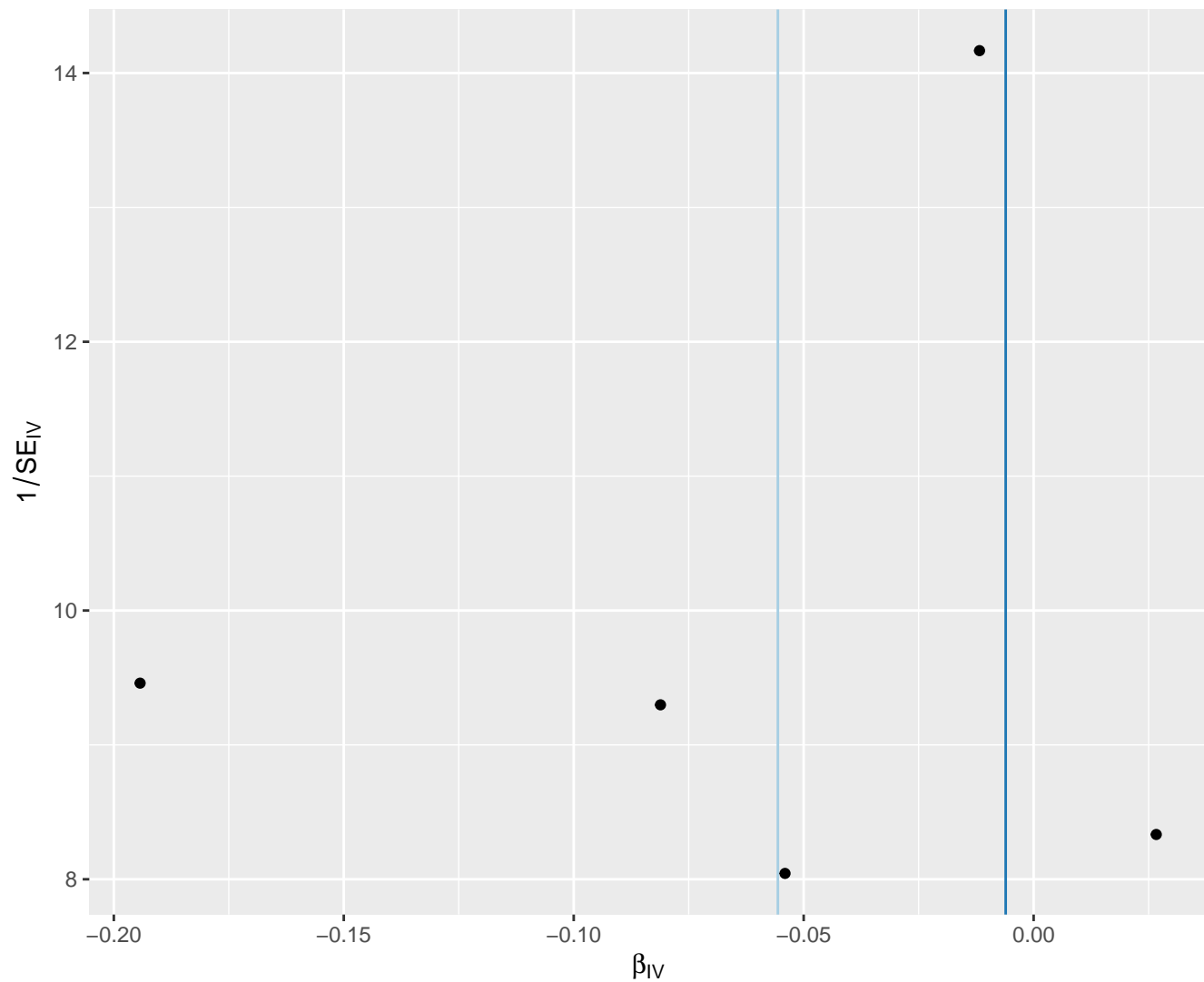
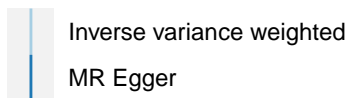
# Allantoin

MR Method



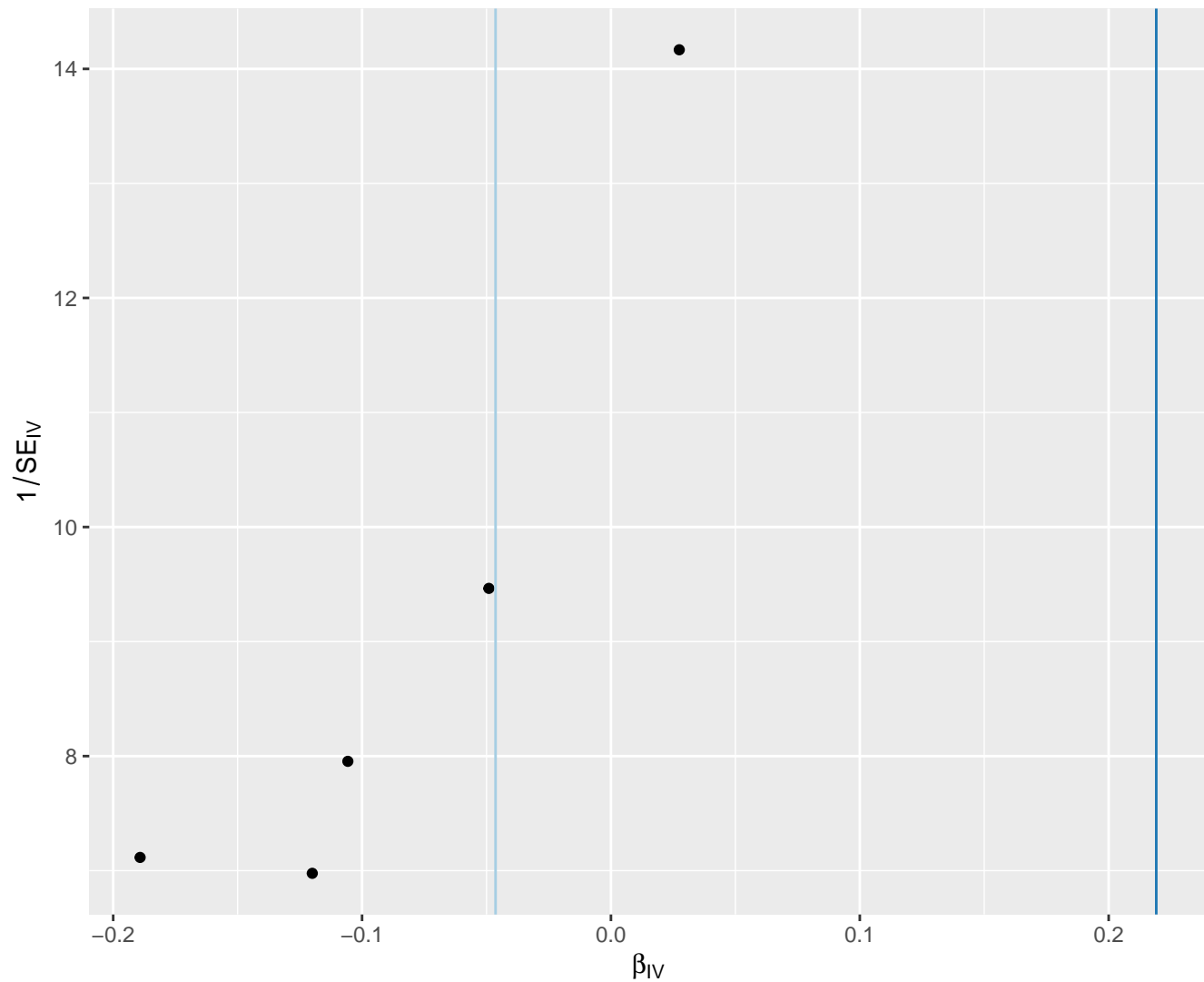
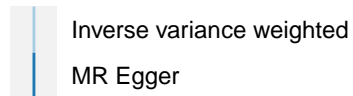
# Alpha-hydroxyisovalerate

MR Method

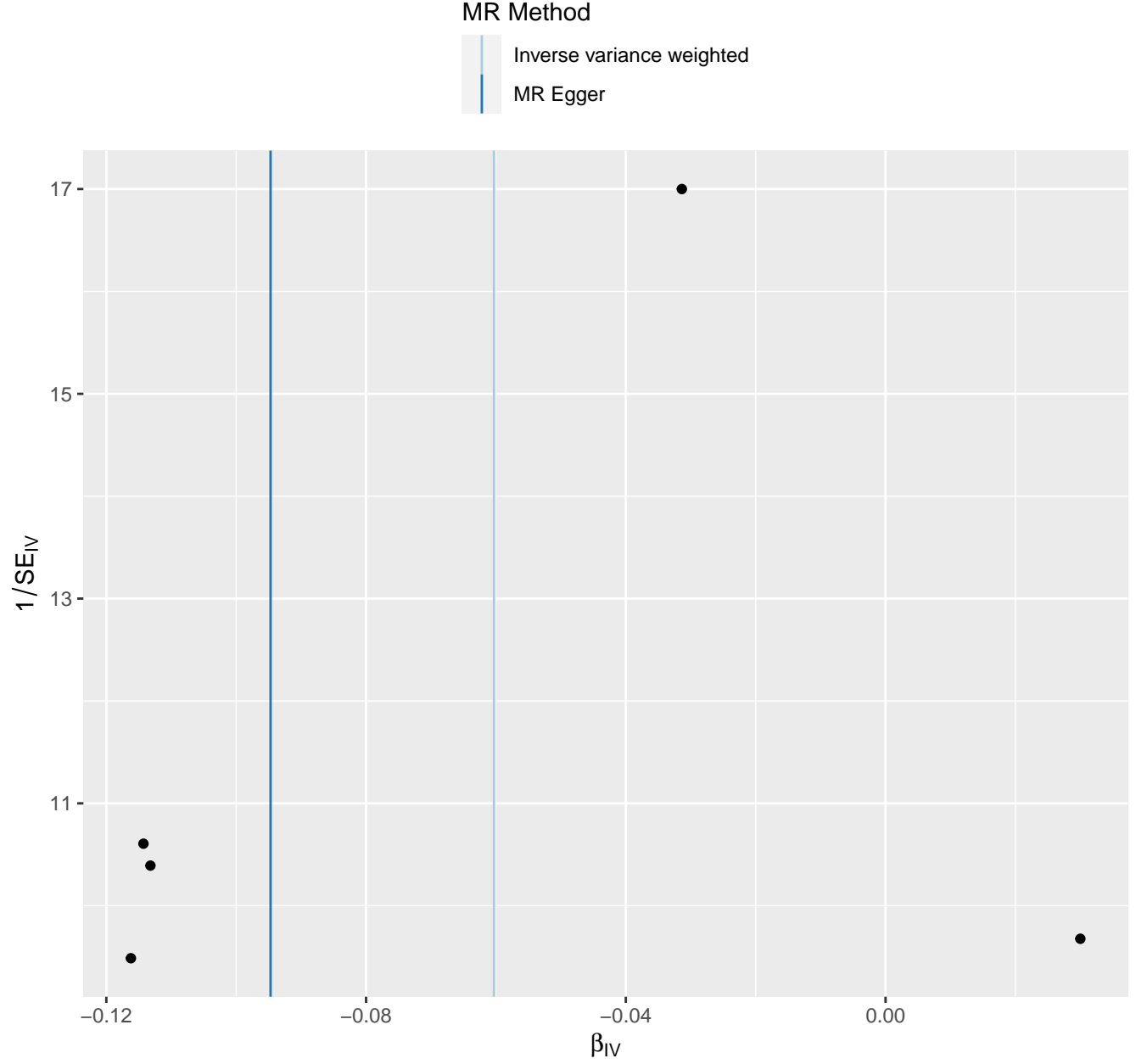


# Alpha-ketoglutarate

MR Method



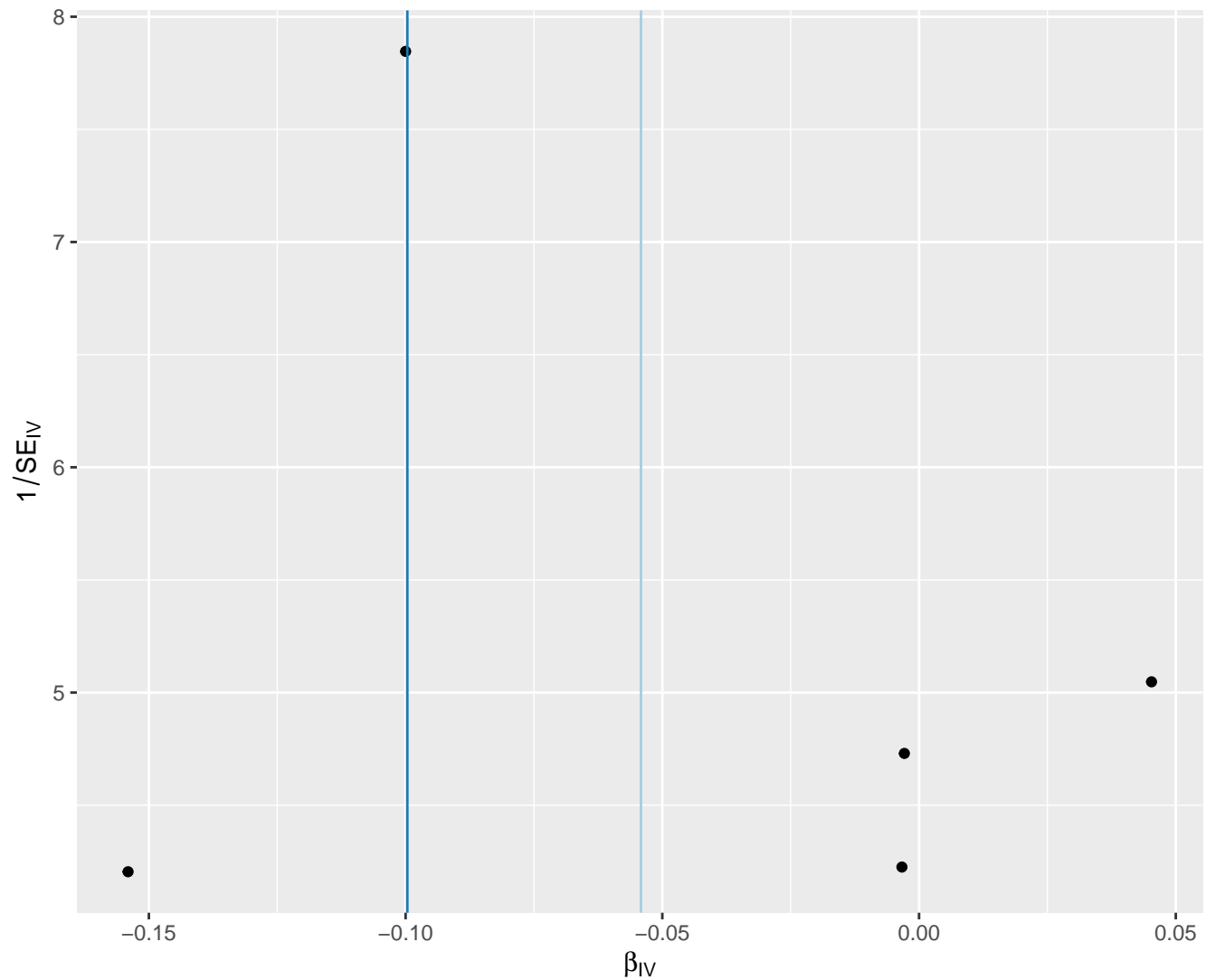
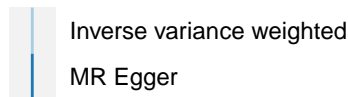
# Alpha-tocopherol





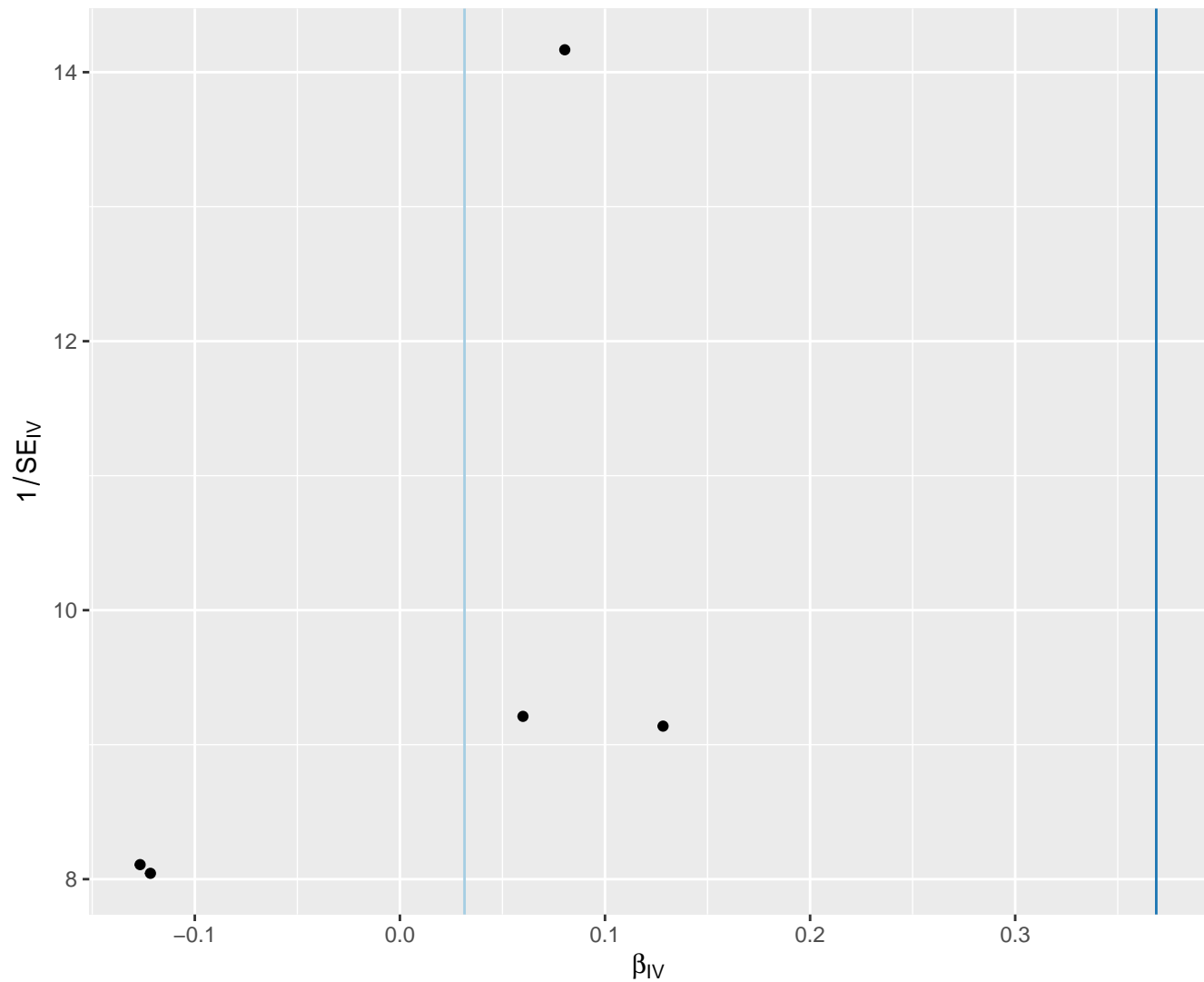
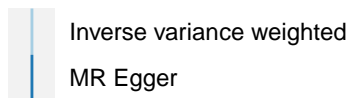
# Androsterone sulfate

MR Method



# Arabinose

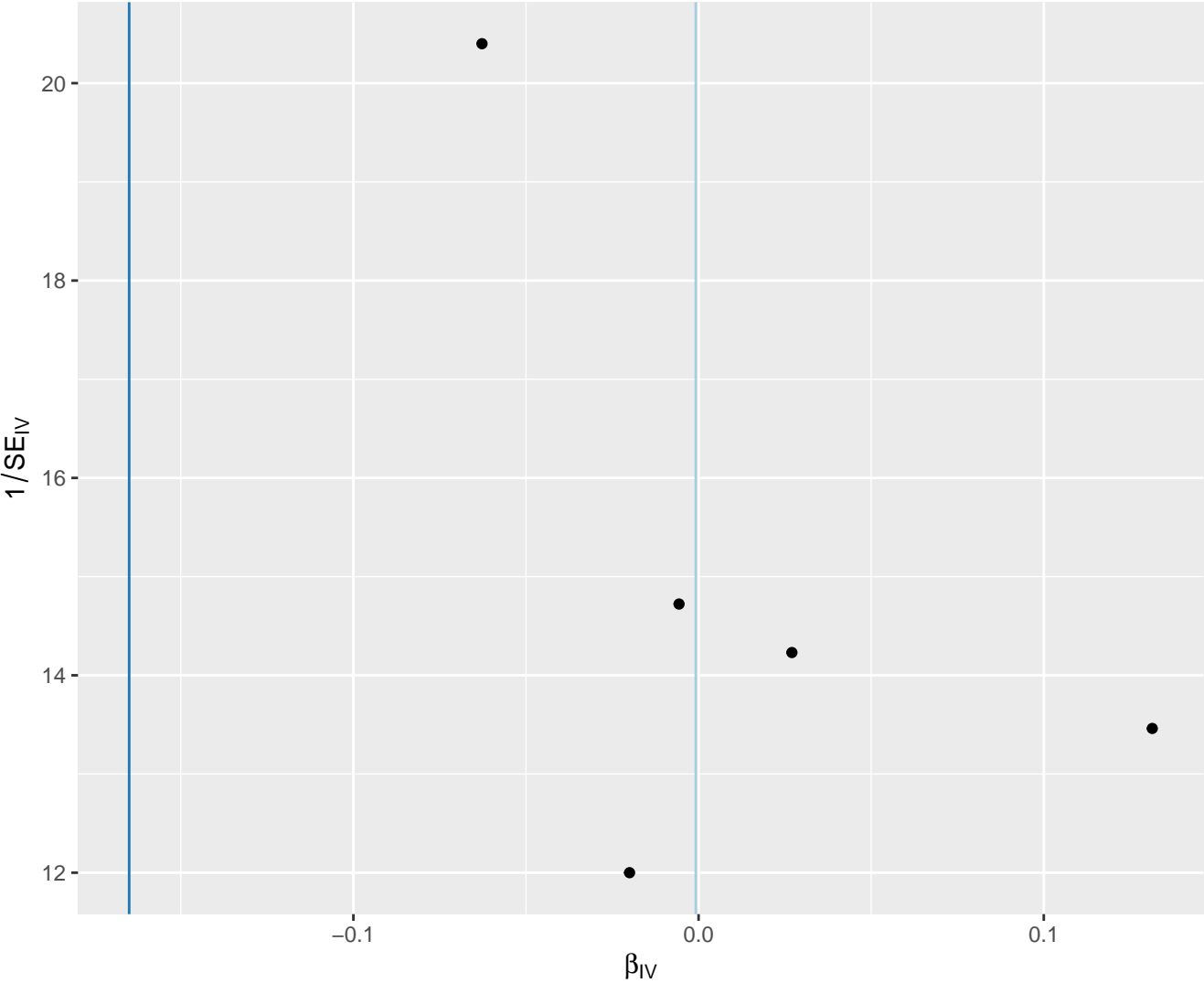
## MR Method



Arachidonate (20:4n6)

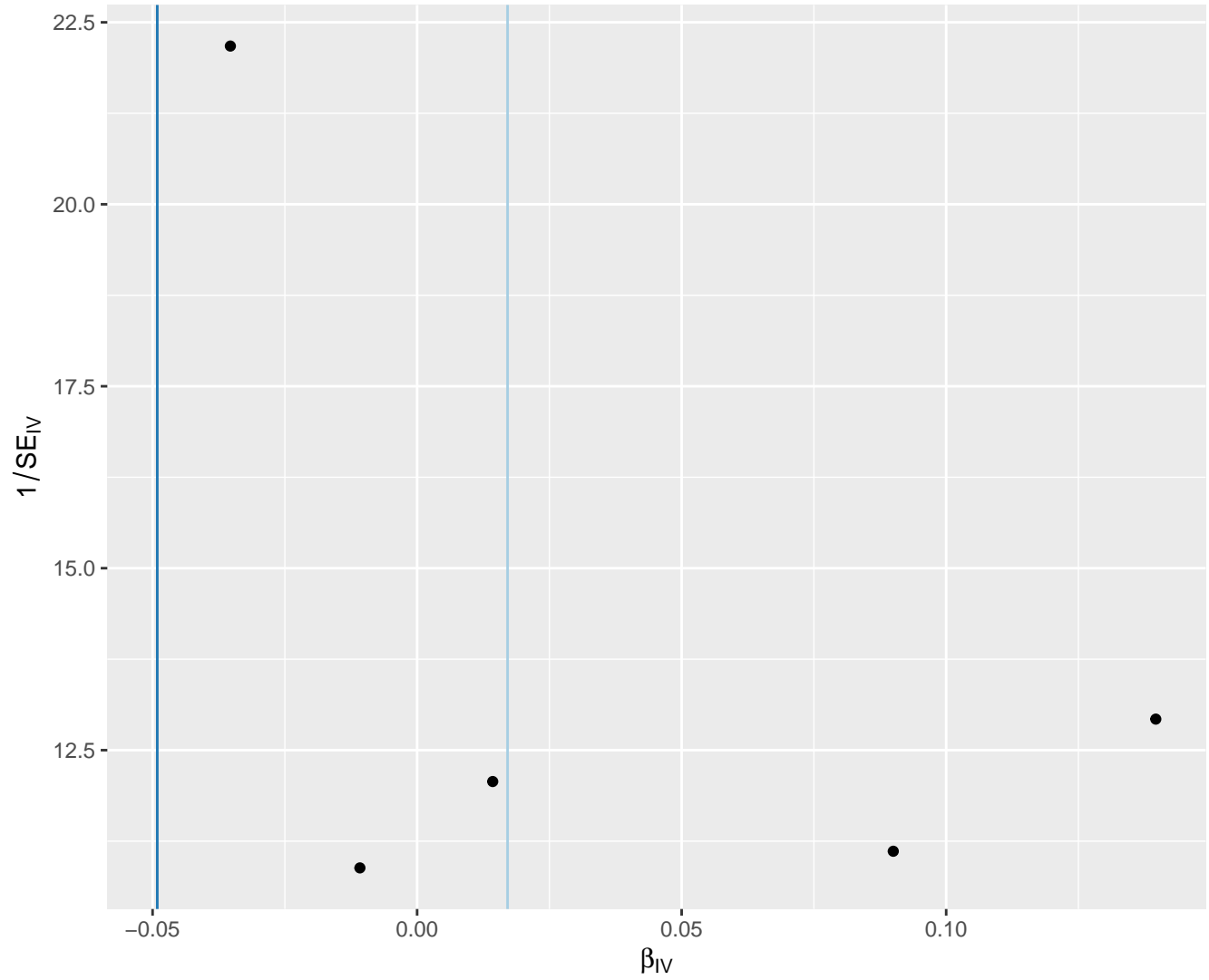
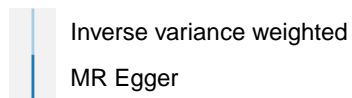
MR Method

- Inverse variance weighted
- MR Egger

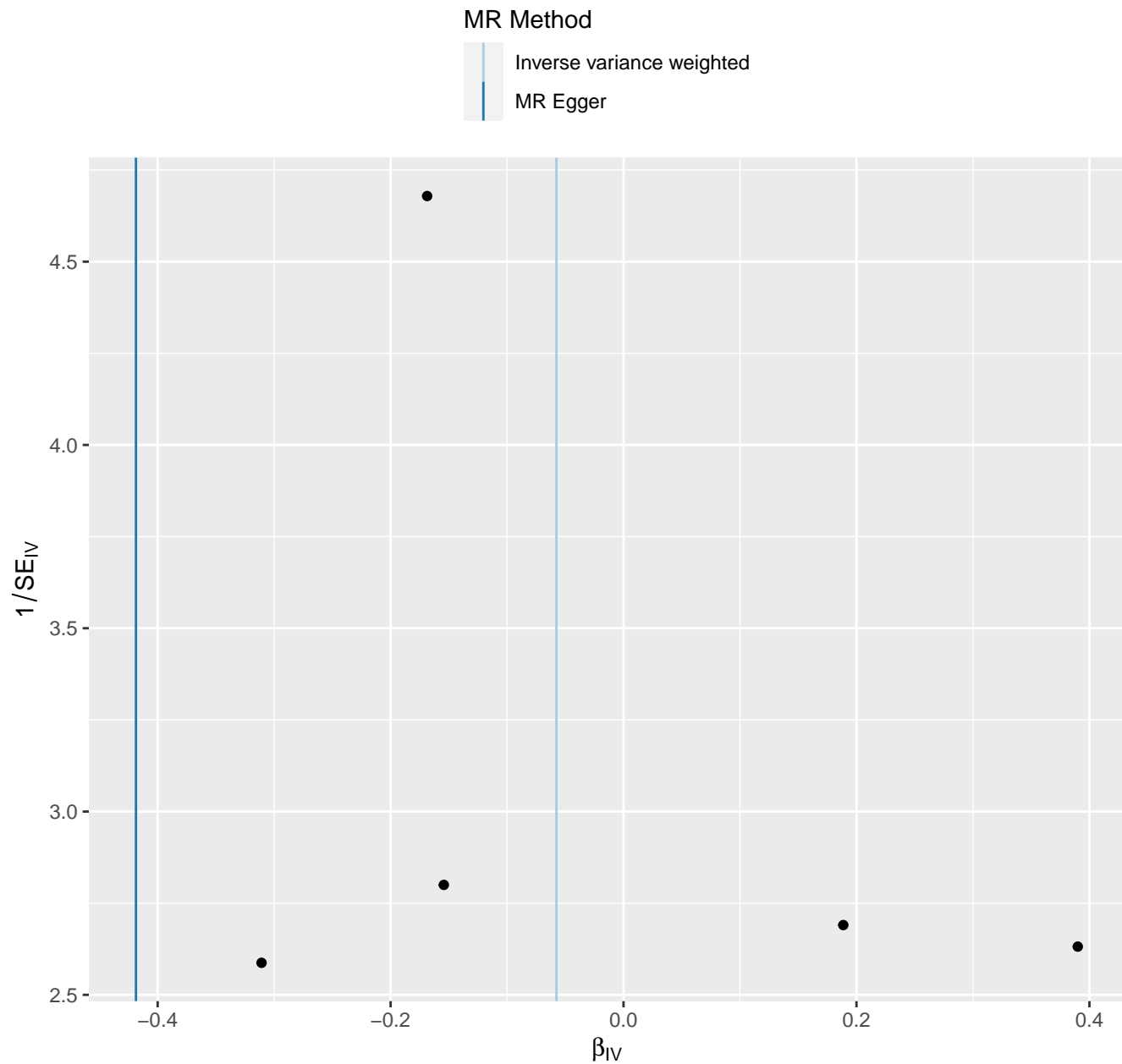


# Arginine

MR Method



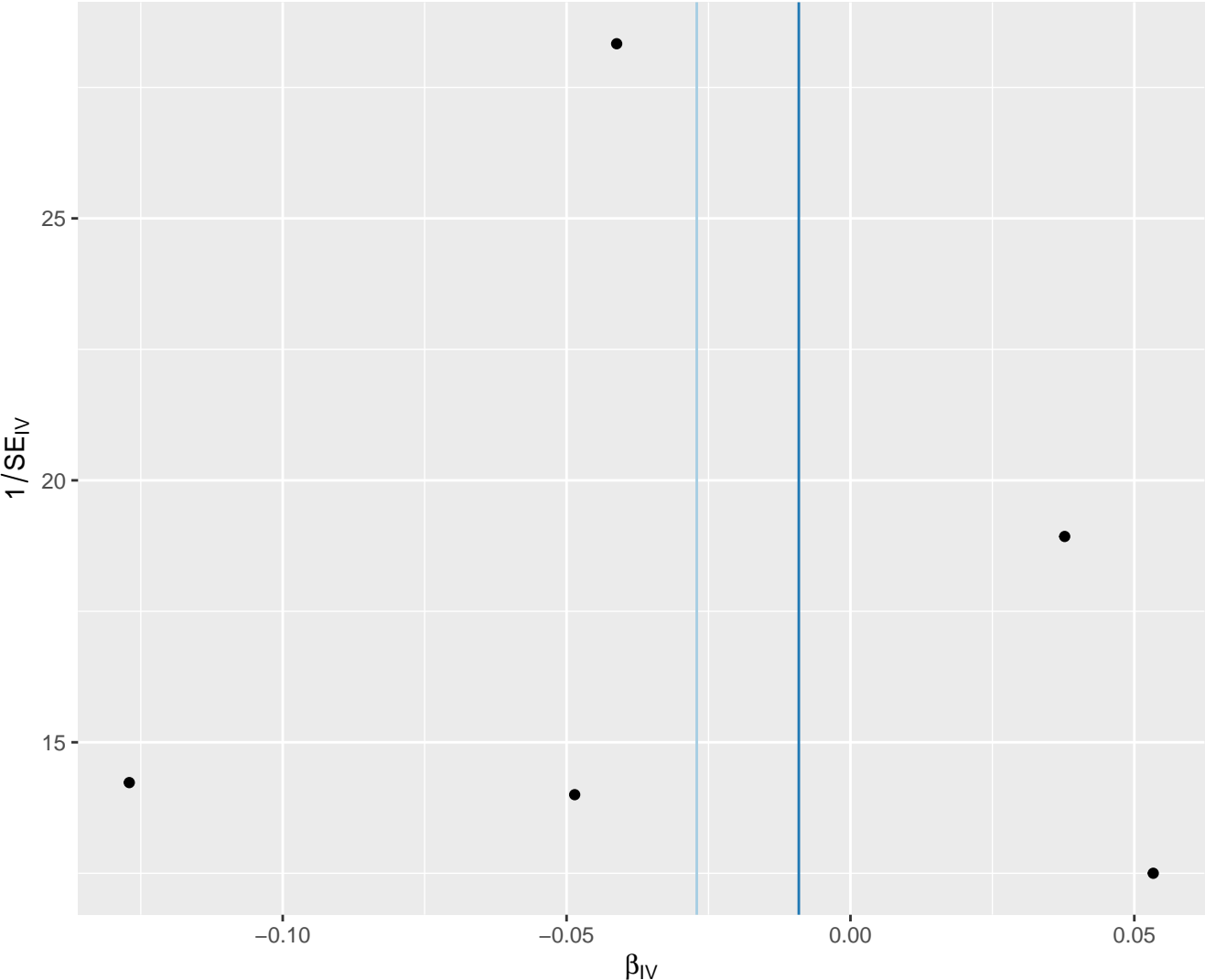
# Ascorbate (Vitamin C)



# Asparagine

MR Method

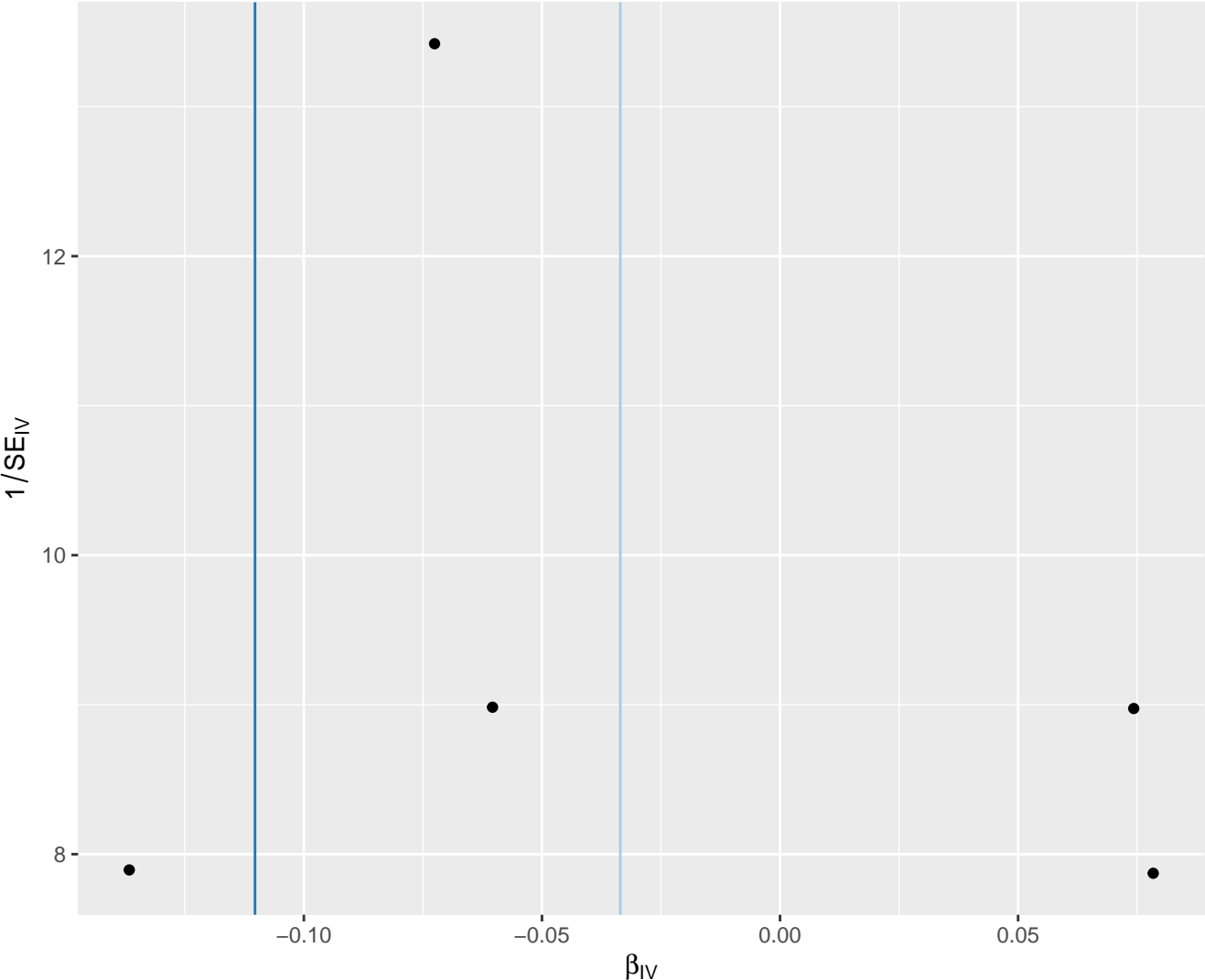
- Inverse variance weighted
- MR Egger



# Aspartate

MR Method

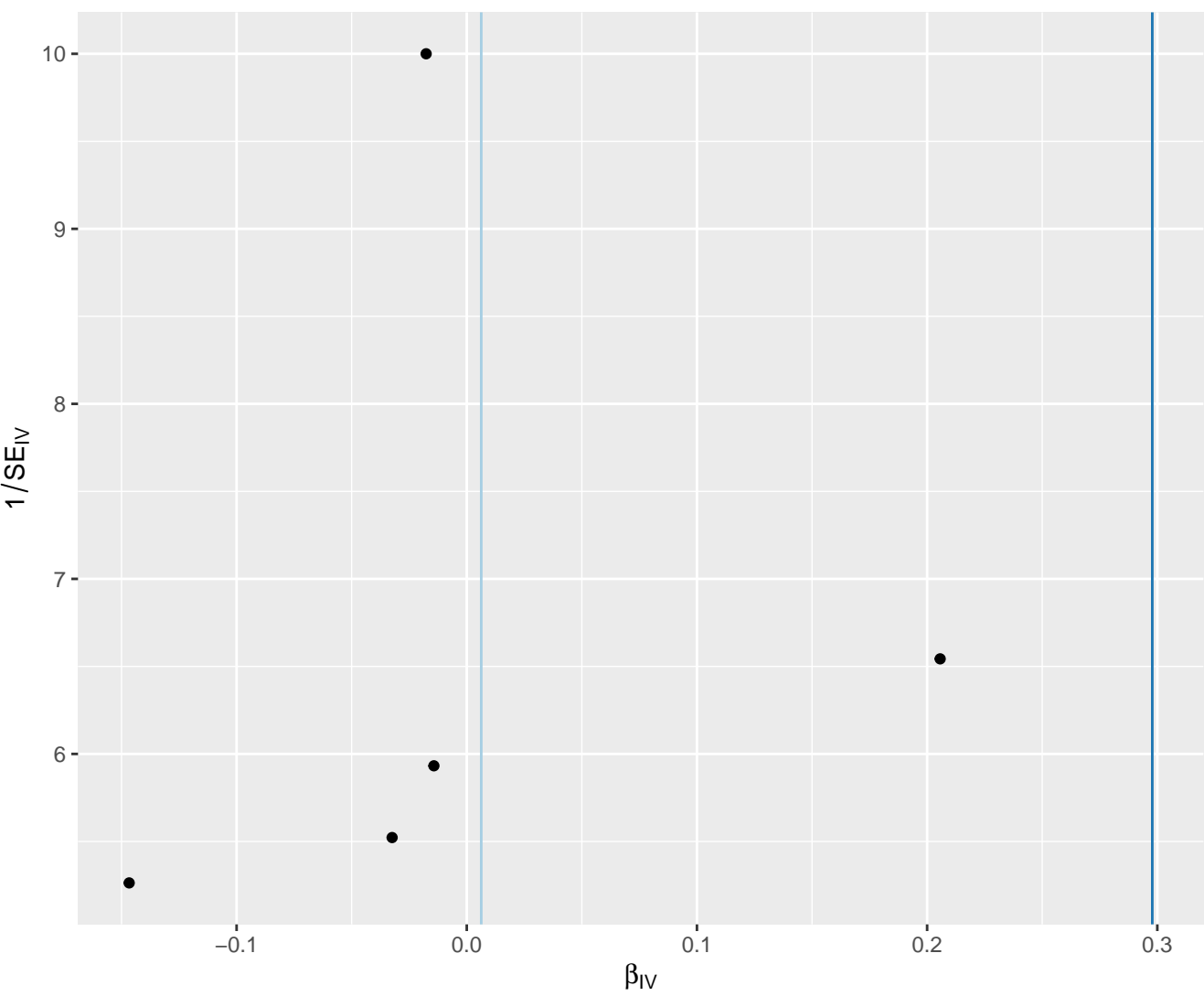
- Inverse variance weighted
- MR Egger



# Aspartylphenylalanine

MR Method

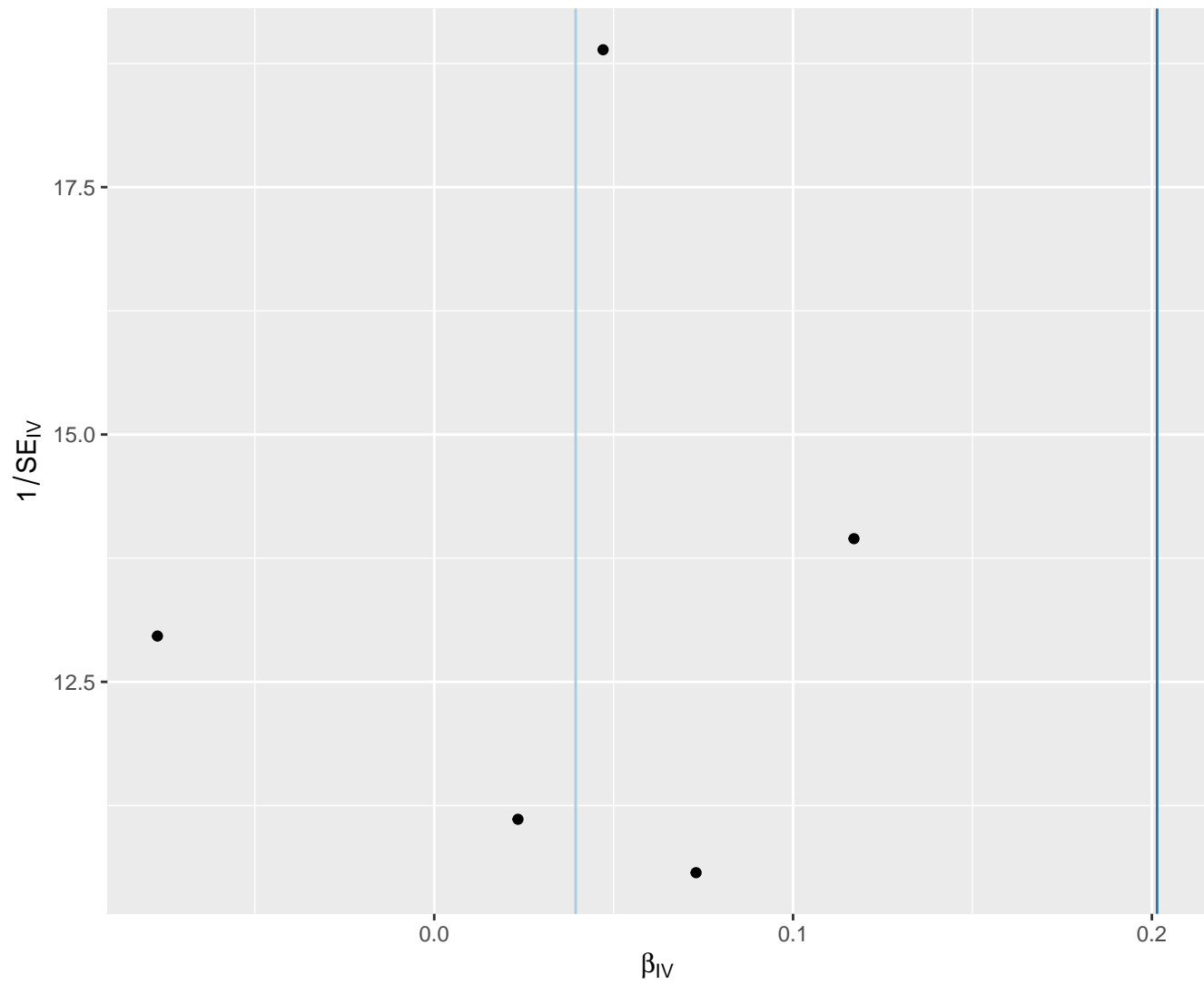
- Inverse variance weighted
- MR Egger





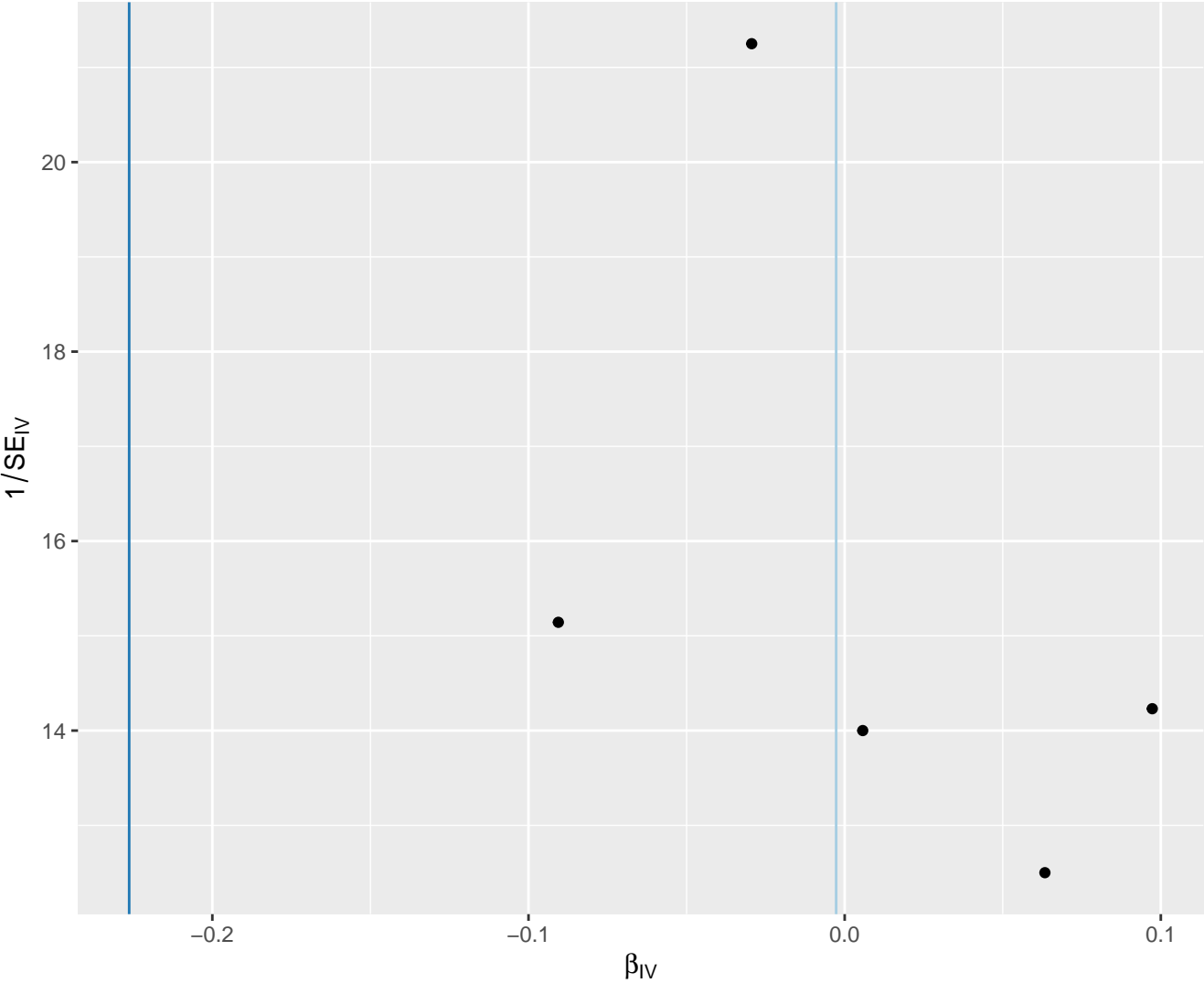
# Beta-hydroxyisovalerate

MR Method



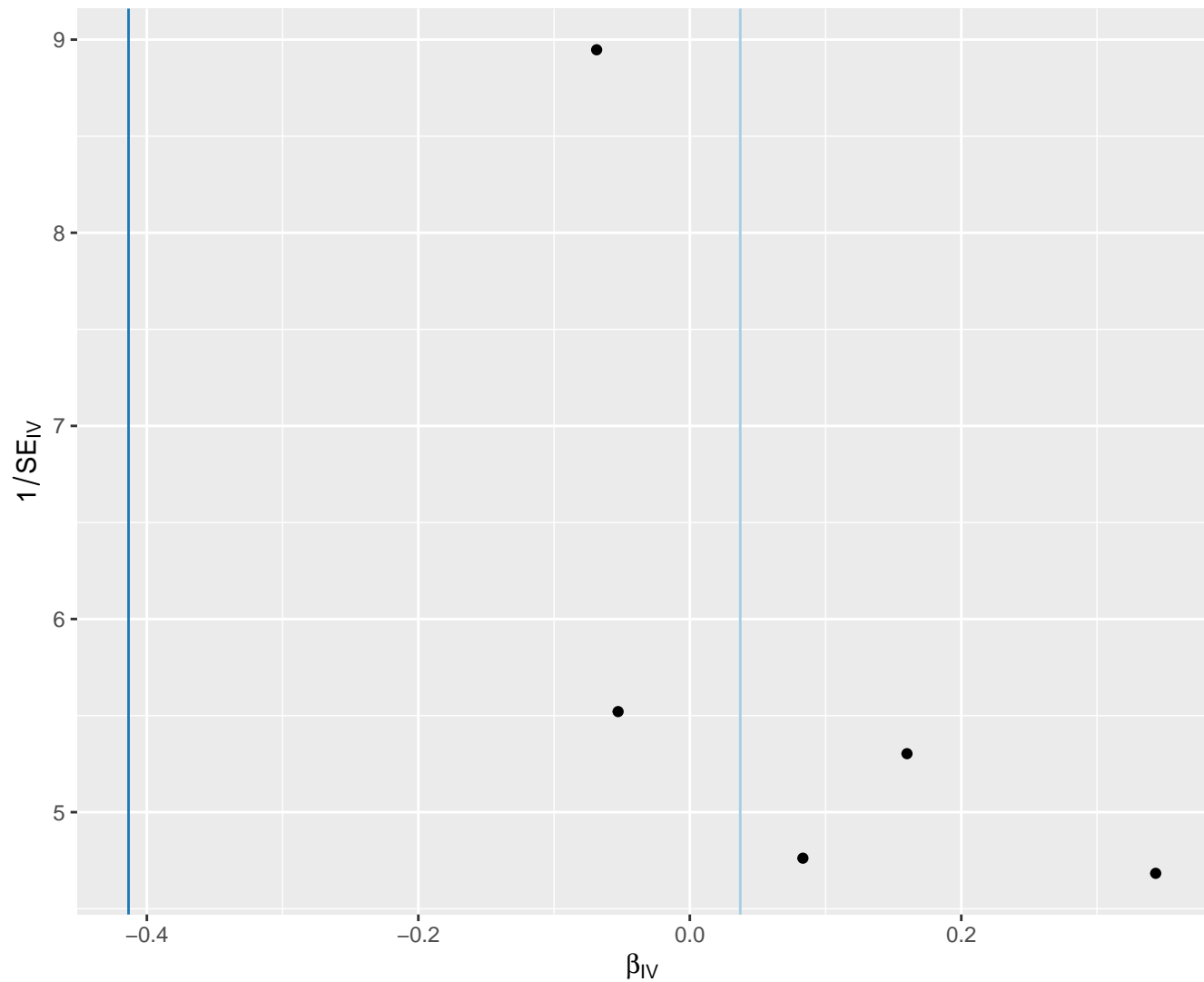
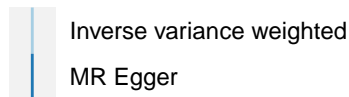
# Betaine

MR Method



Bilirubin (E,E)\*

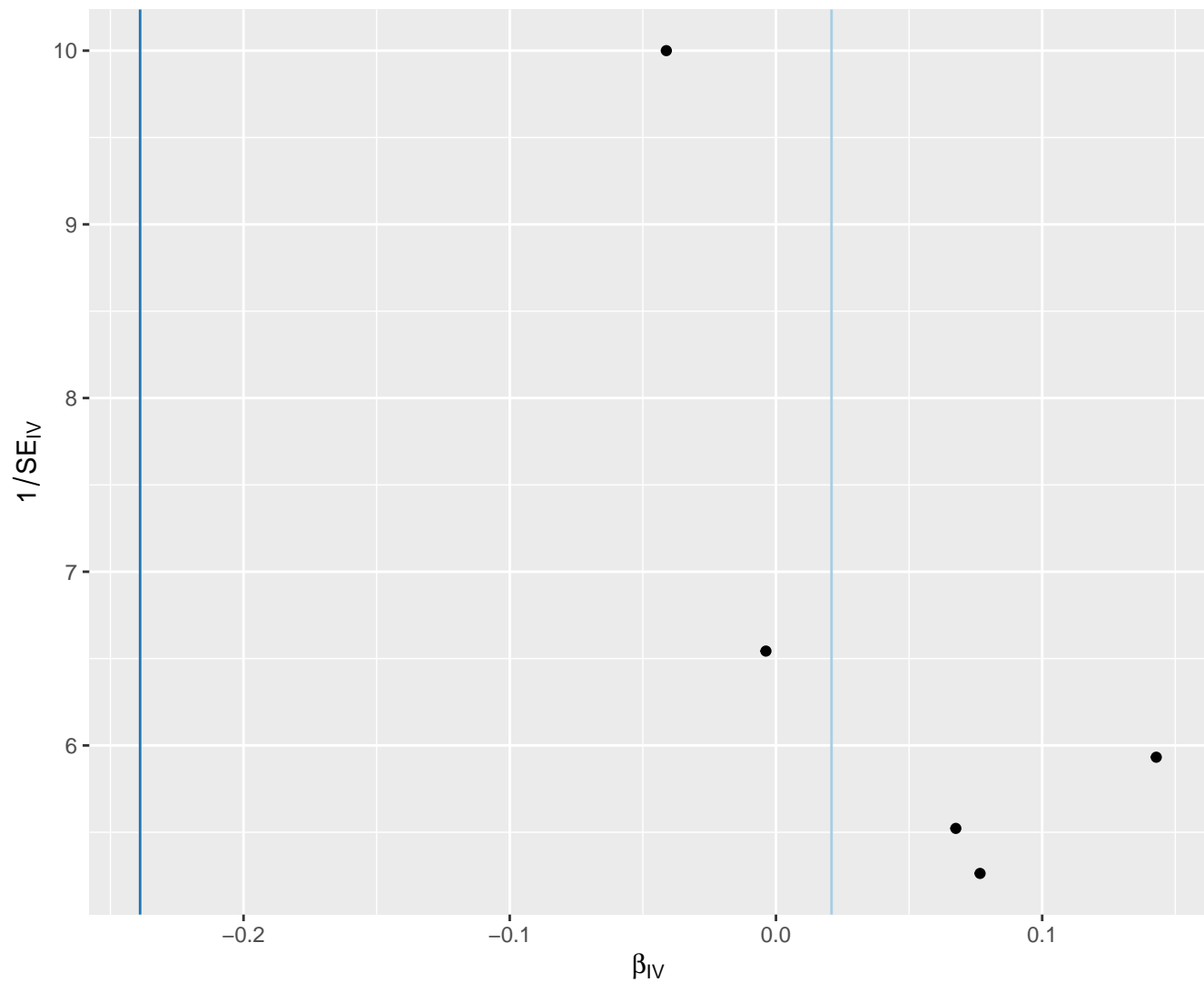
MR Method



# Bilirubin (E,Z or Z,E)\*

MR Method

- Inverse variance weighted
- MR Egger



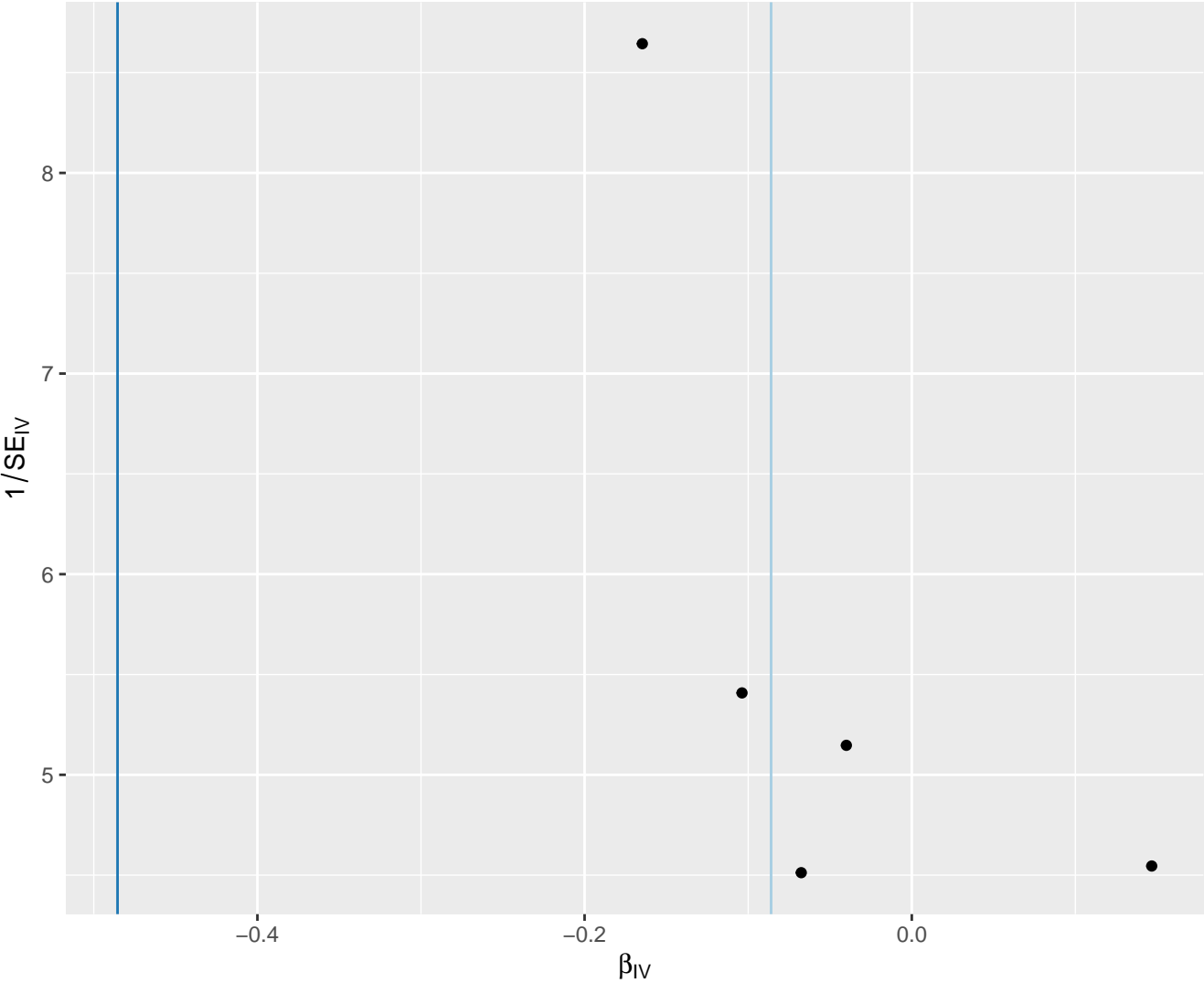
# Bilirubin (Z,Z)

MR Method



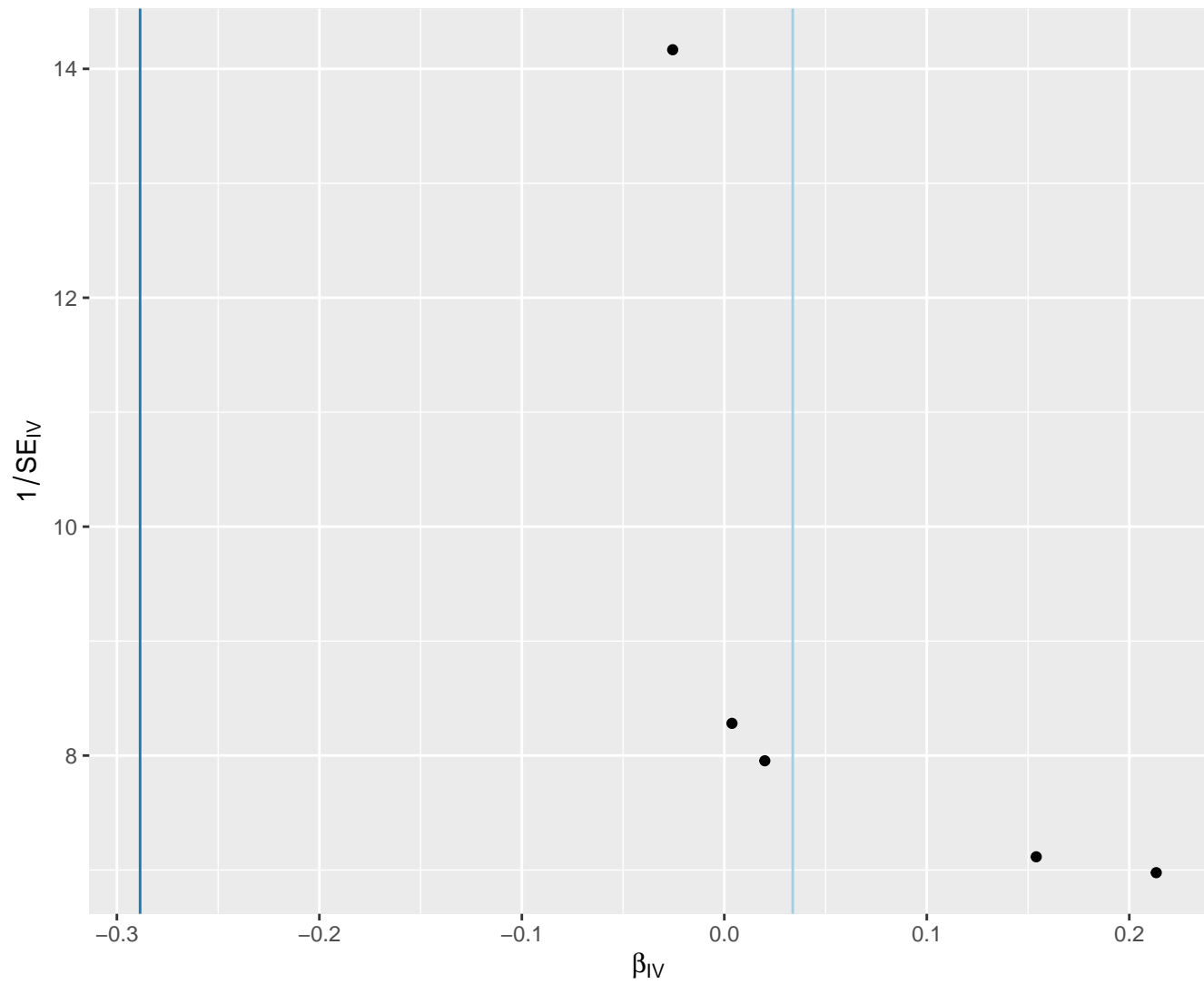
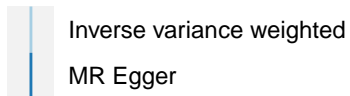
Inverse variance weighted

MR Egger



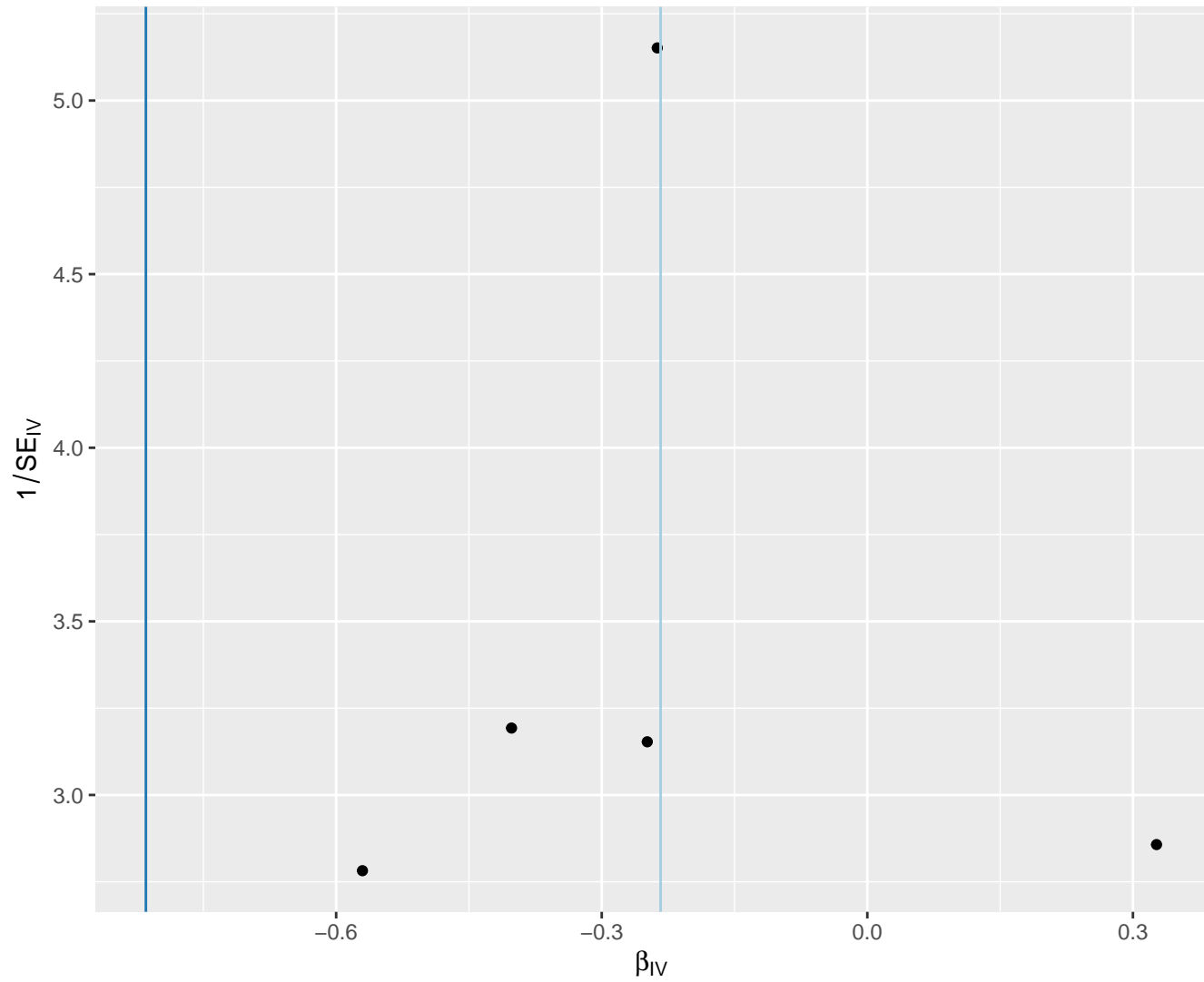
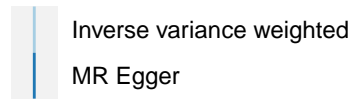
# Biliverdin

MR Method



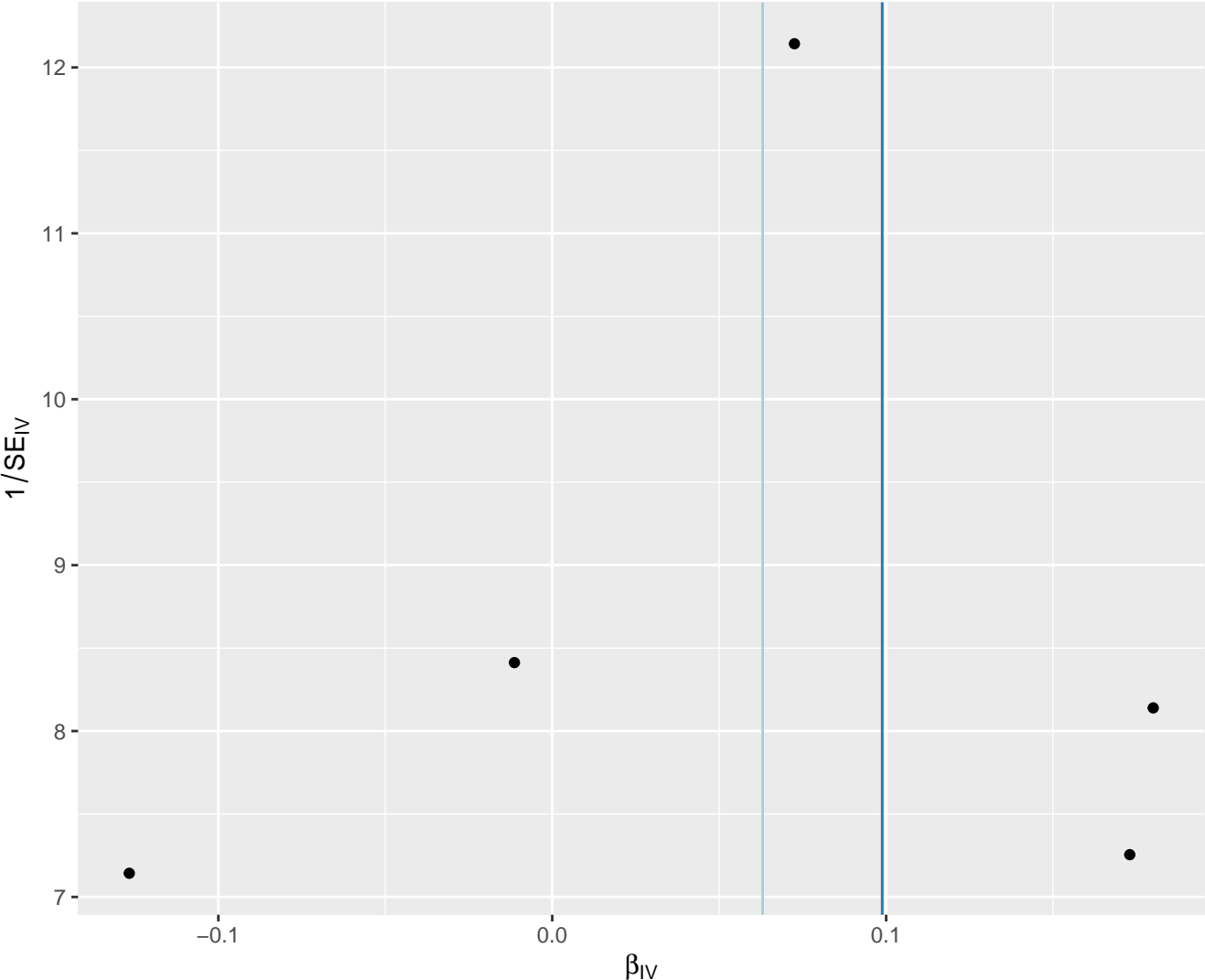
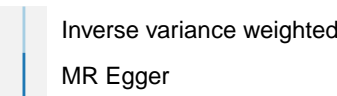
# Bradykinin, des-arg(9)

MR Method



# Butyrylcarnitine

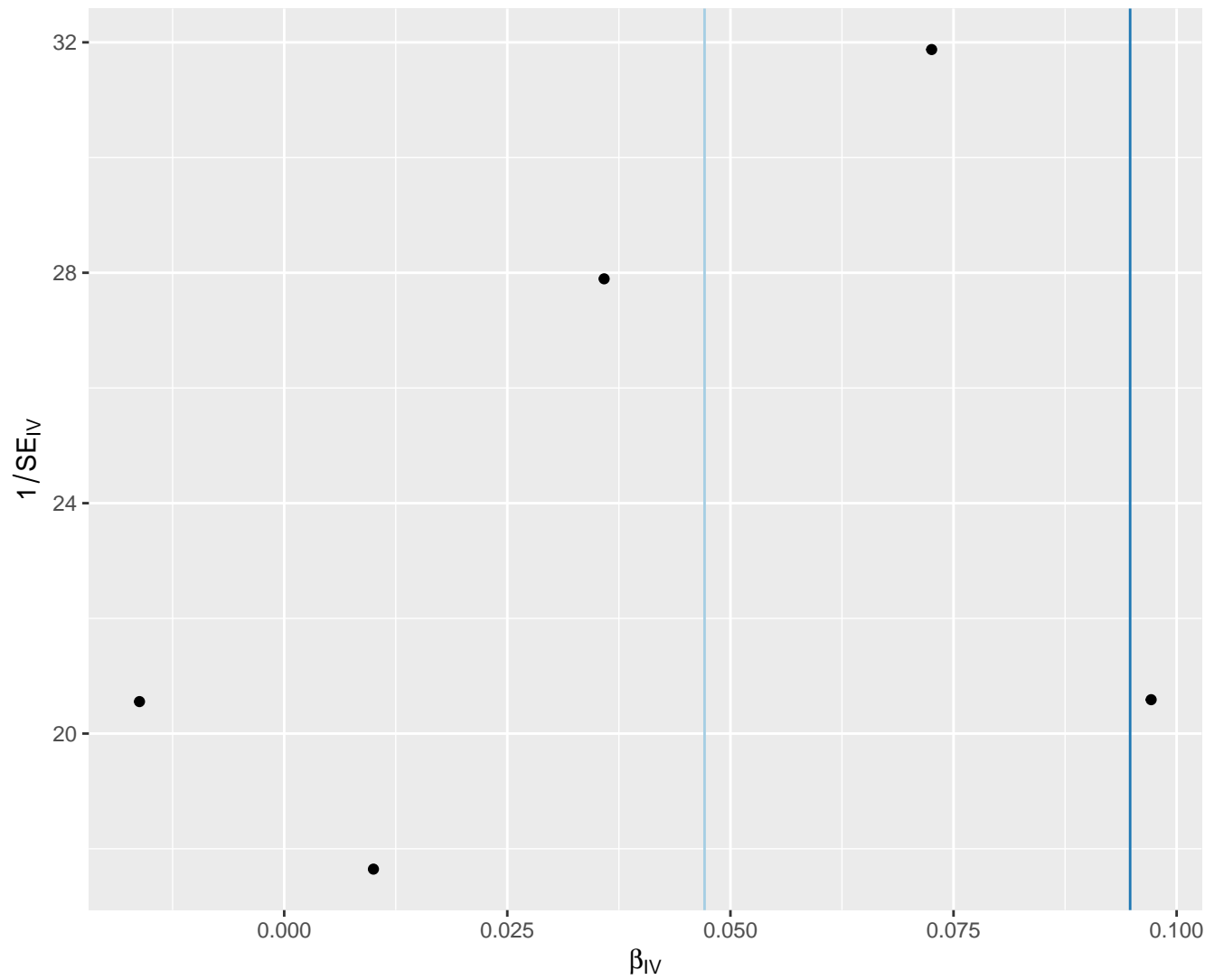
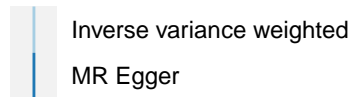
MR Method





# C-glycosyltryptophan\*

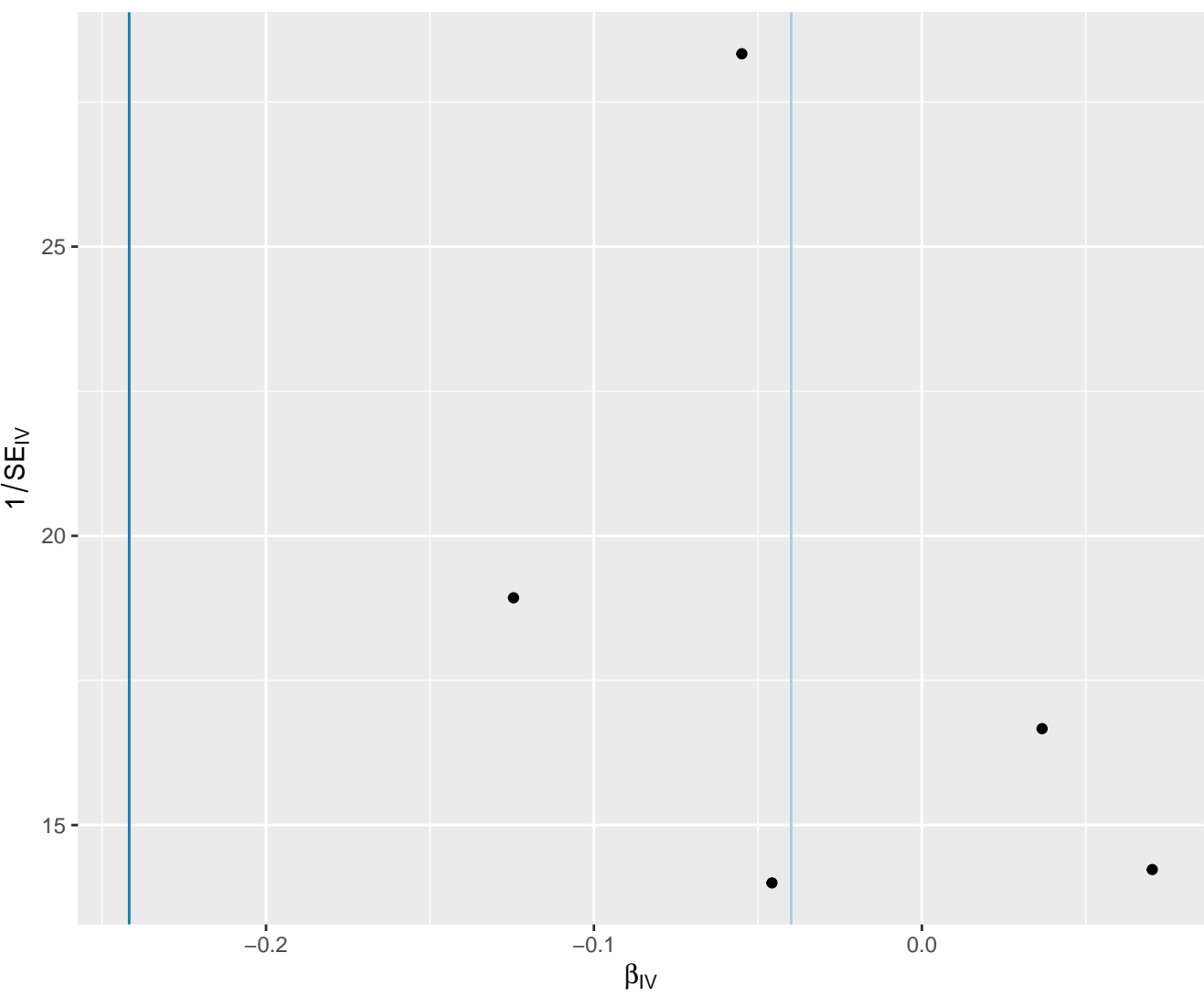
MR Method



# Caproate (6:0)

MR Method

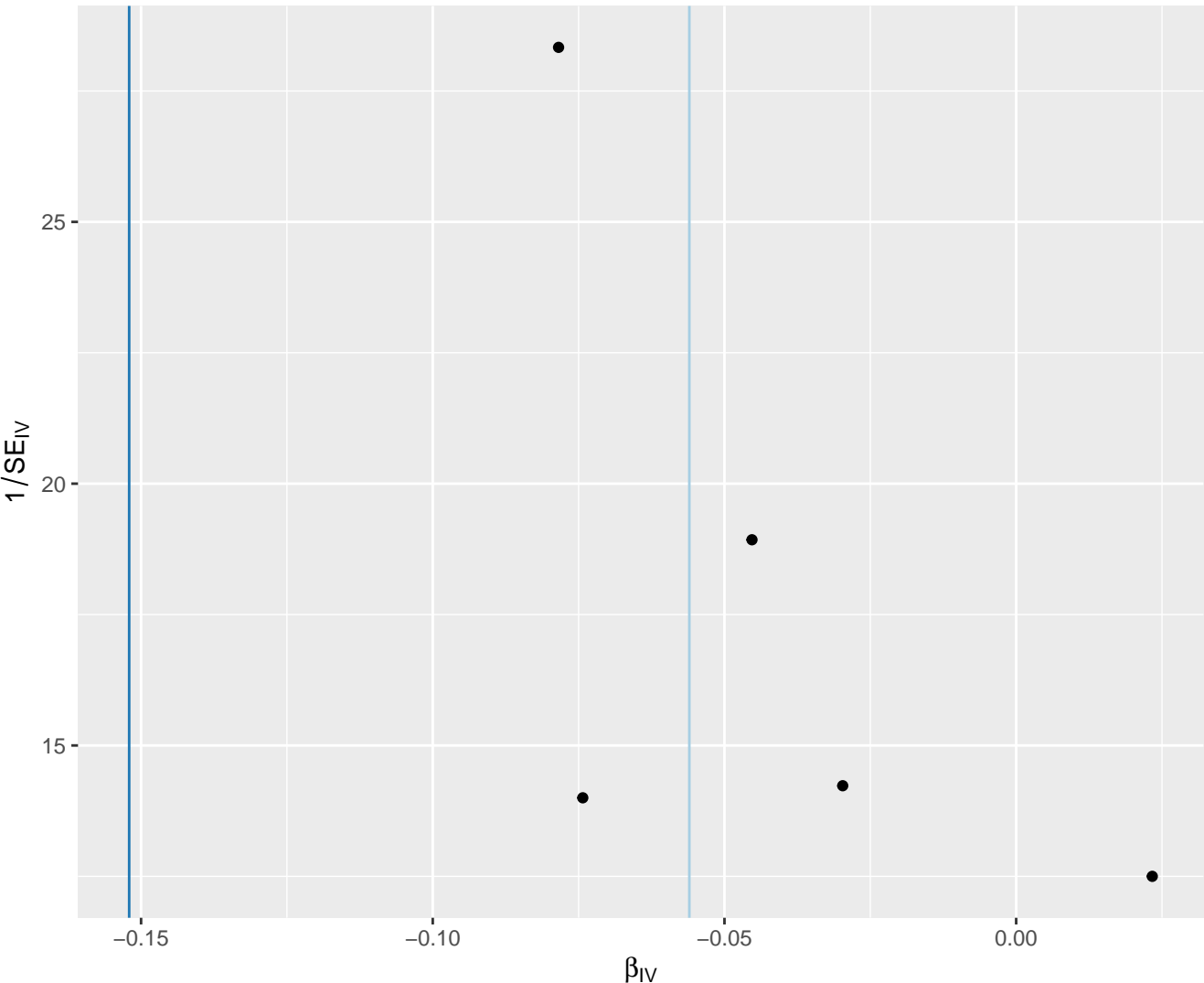
- Inverse variance weighted
- MR Egger



Caprylate (8:0)

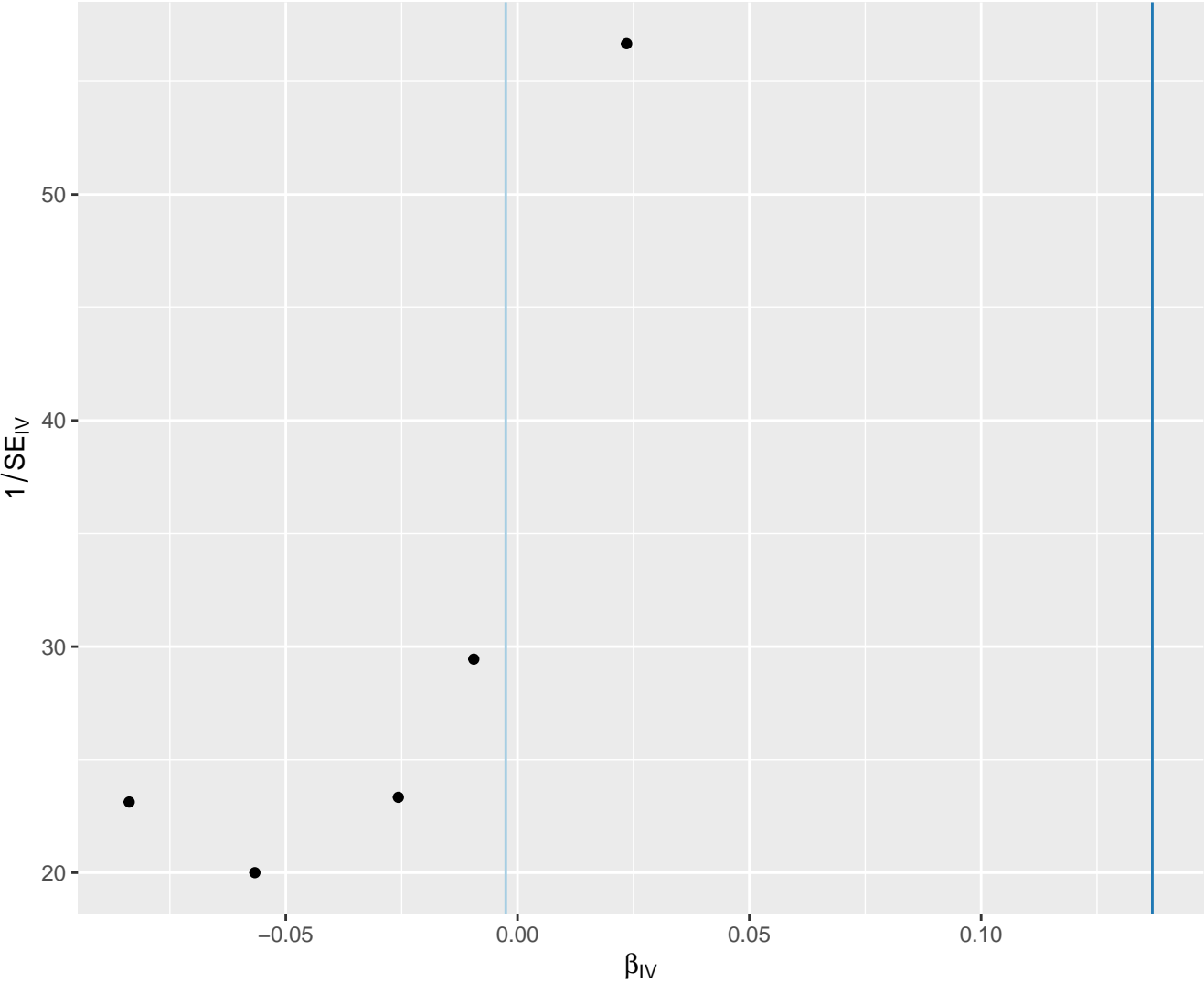
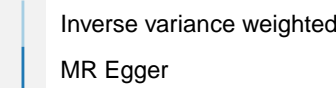
MR Method

- Inverse variance weighted
- MR Egger



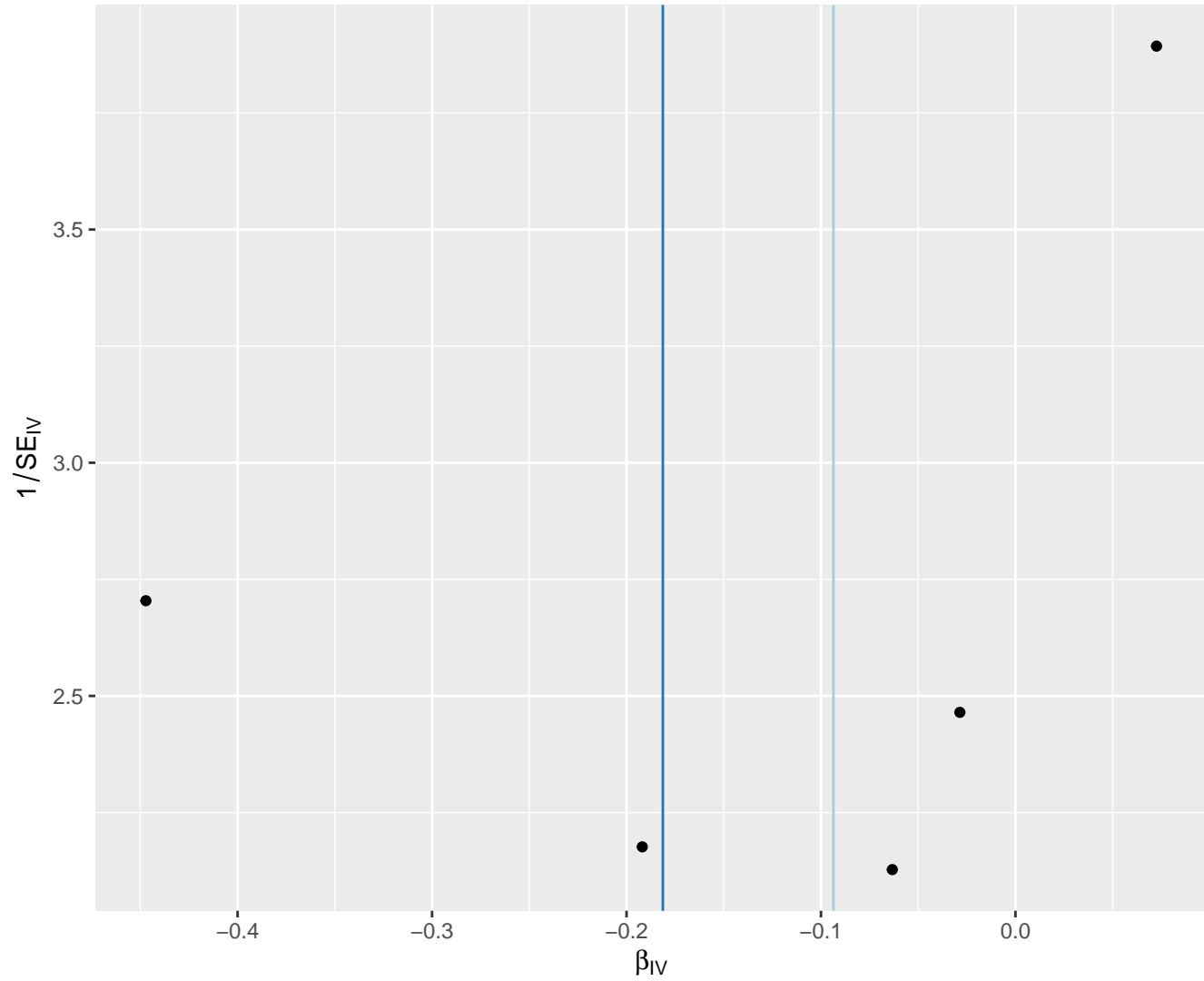
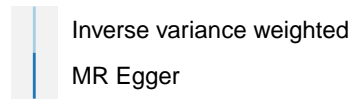
# Carnitine

MR Method



# Chiro-inositol

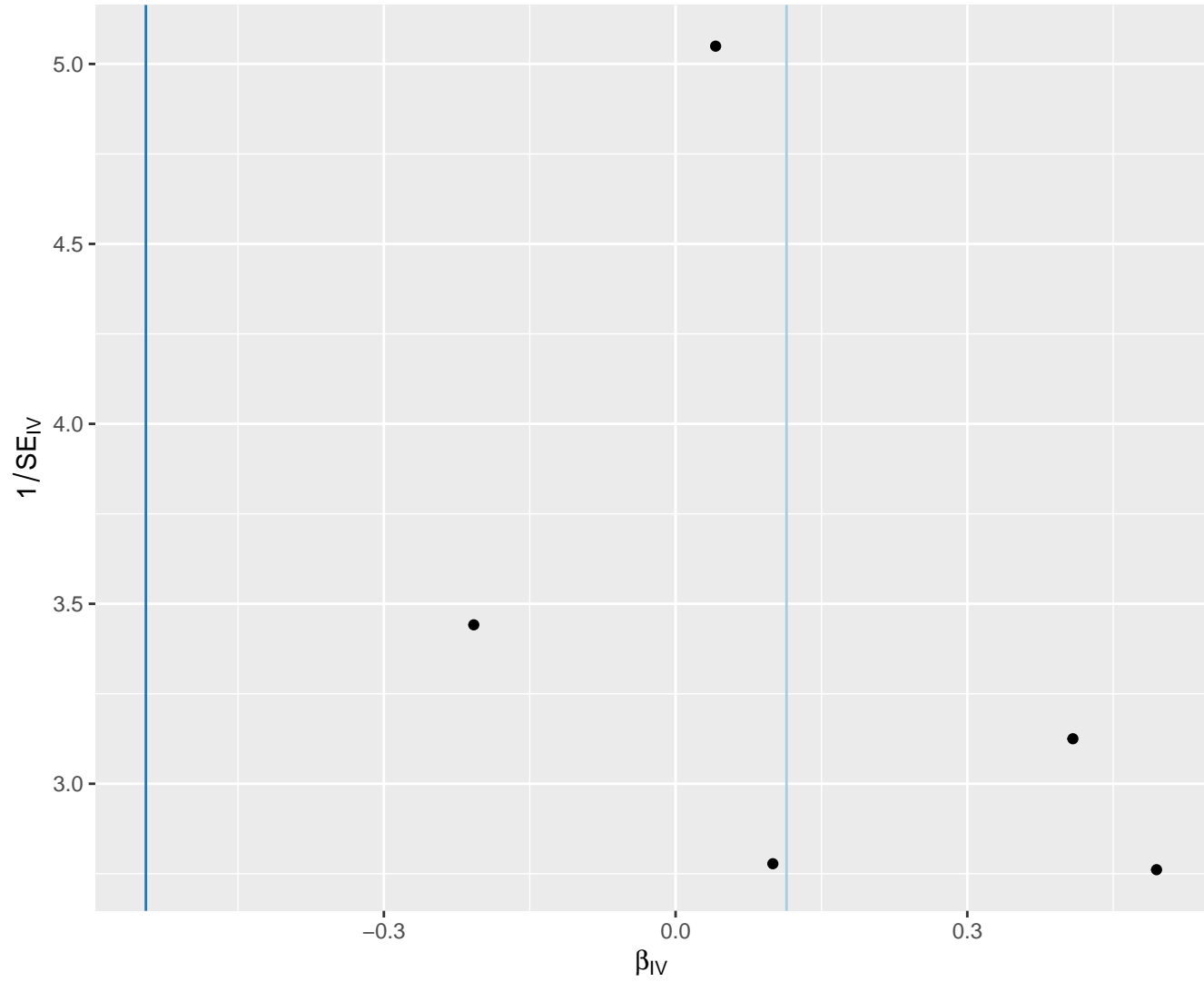
MR Method



Cholate

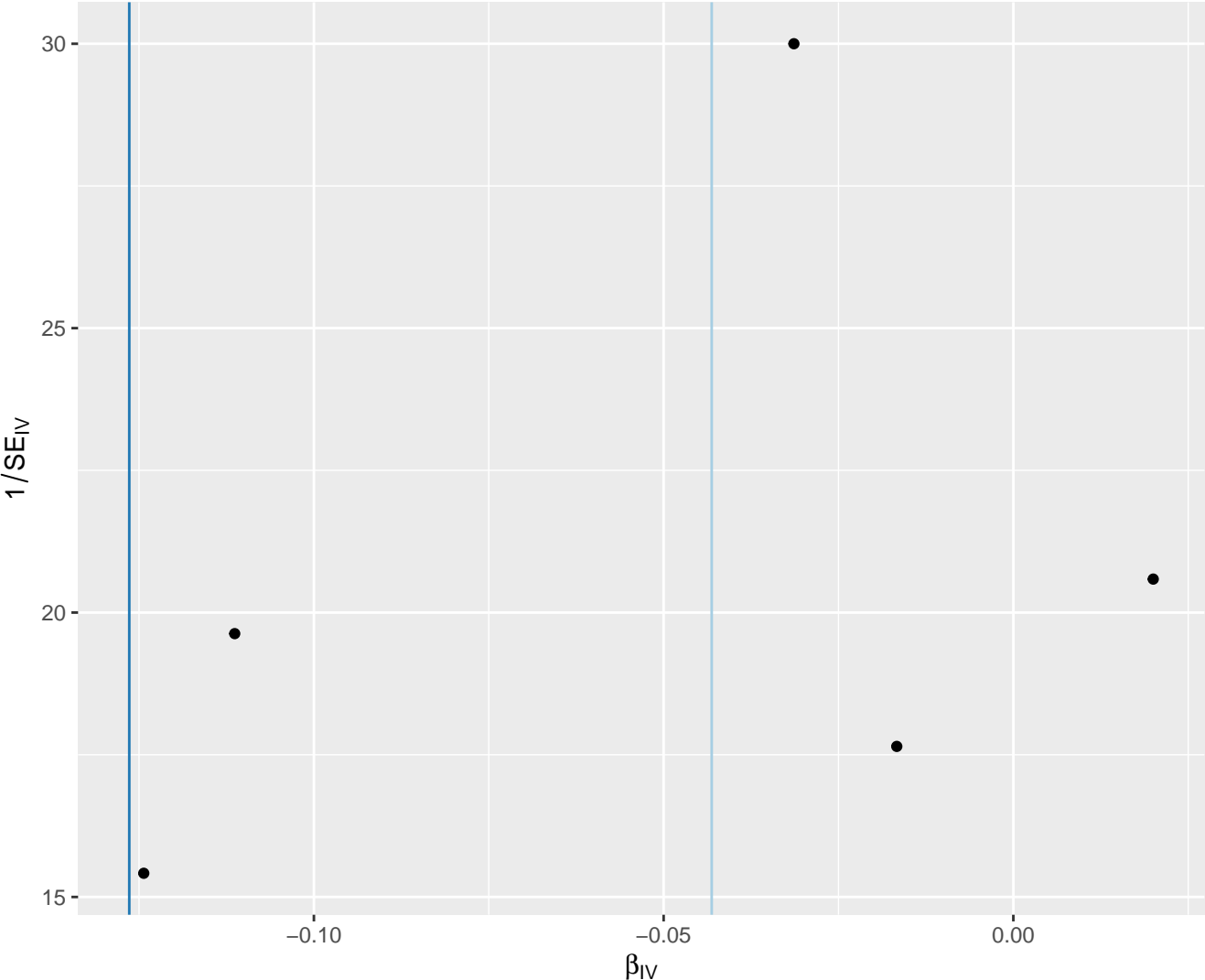
MR Method

Inverse variance weighted  
MR Egger



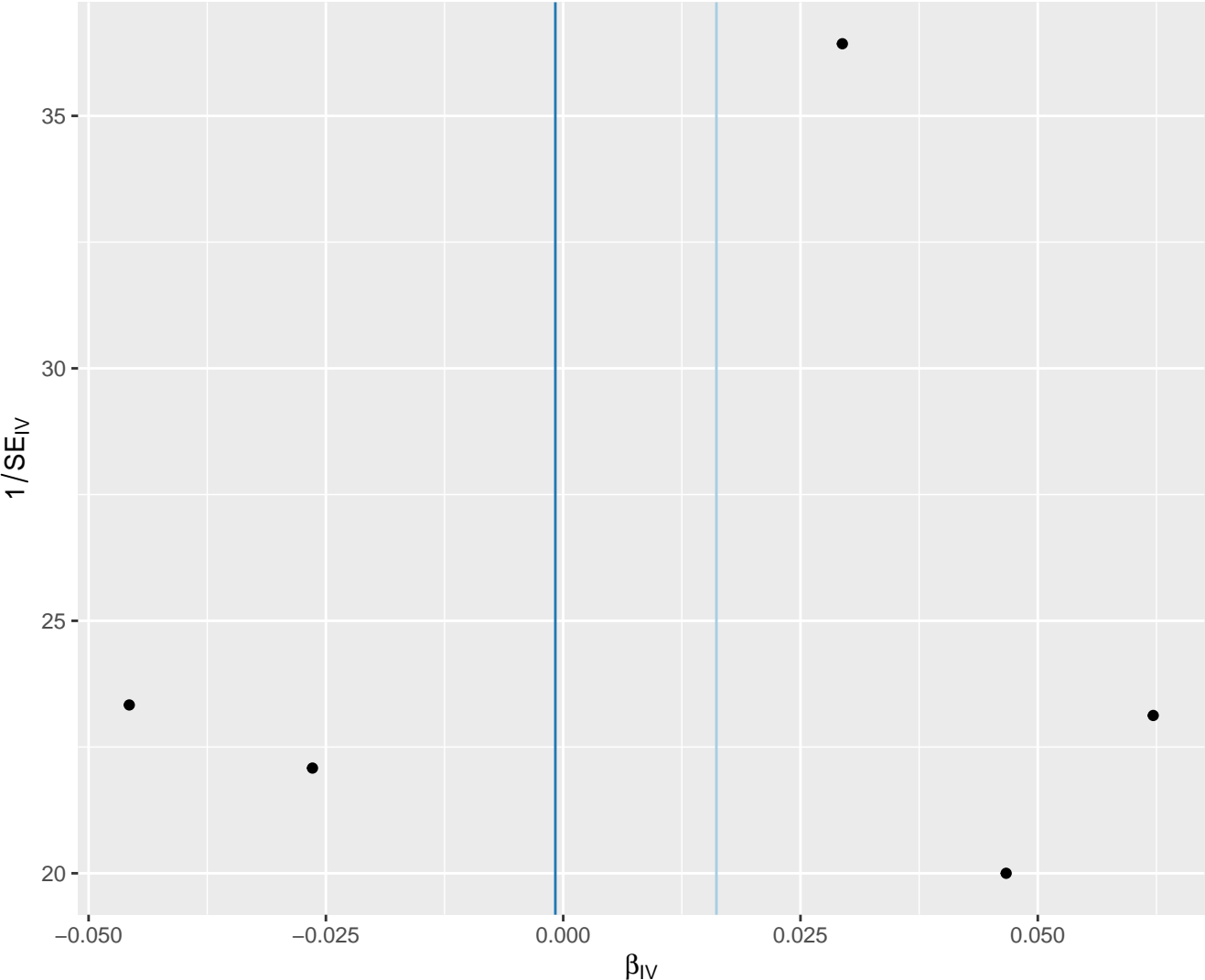
# Cholesterol

MR Method



# Choline

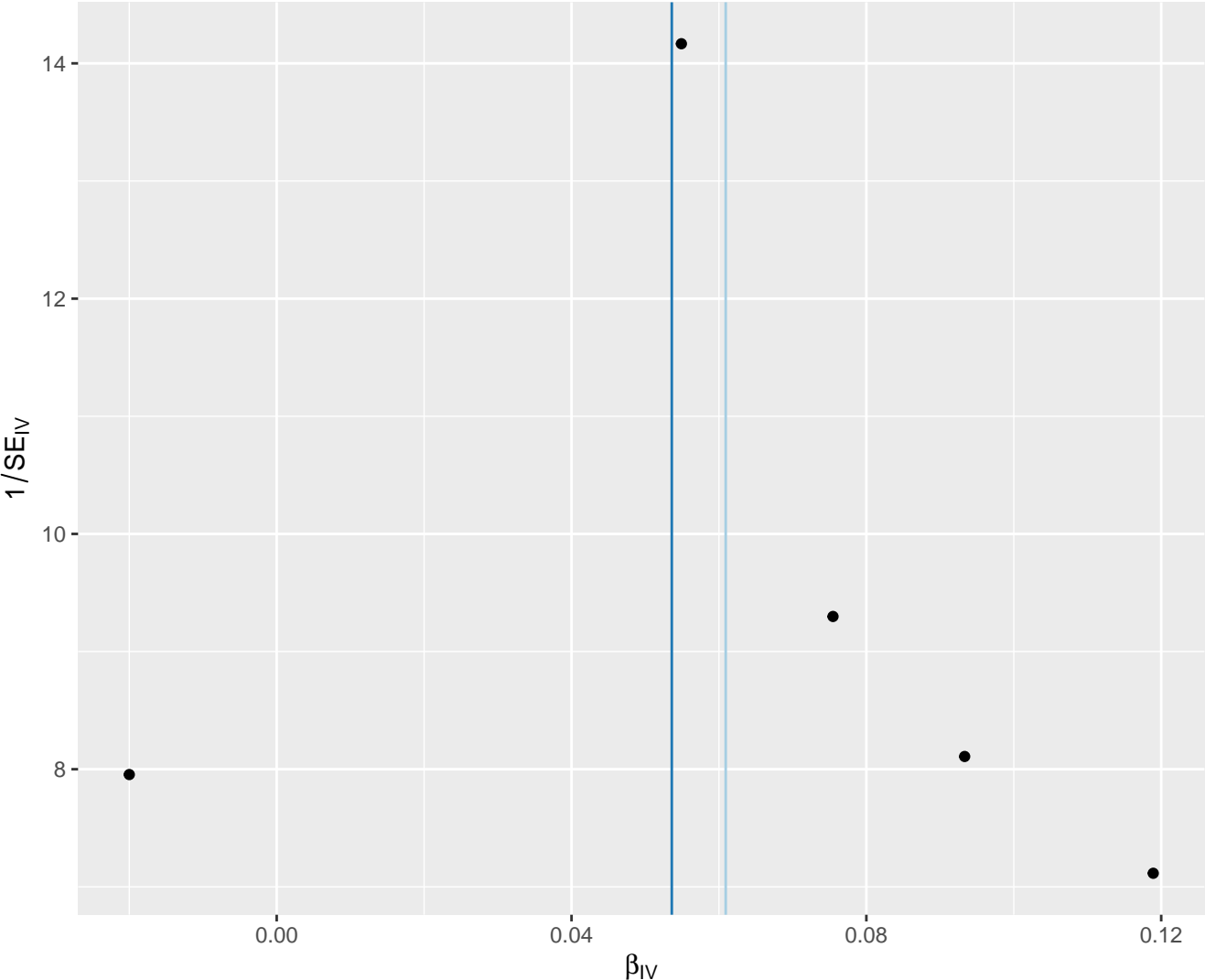
MR Method





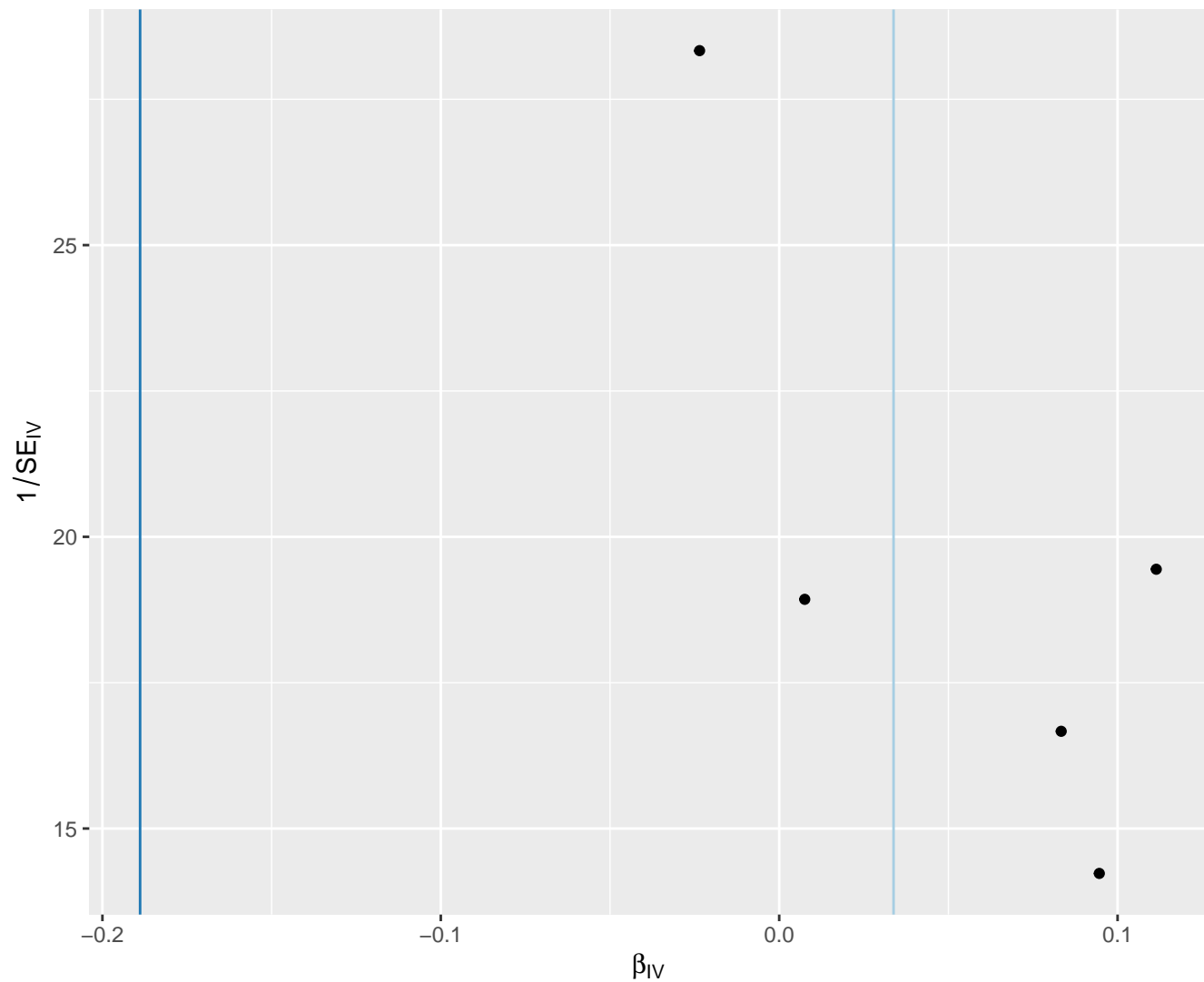
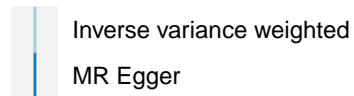
Cis-4-decenoyl carnitine

MR Method



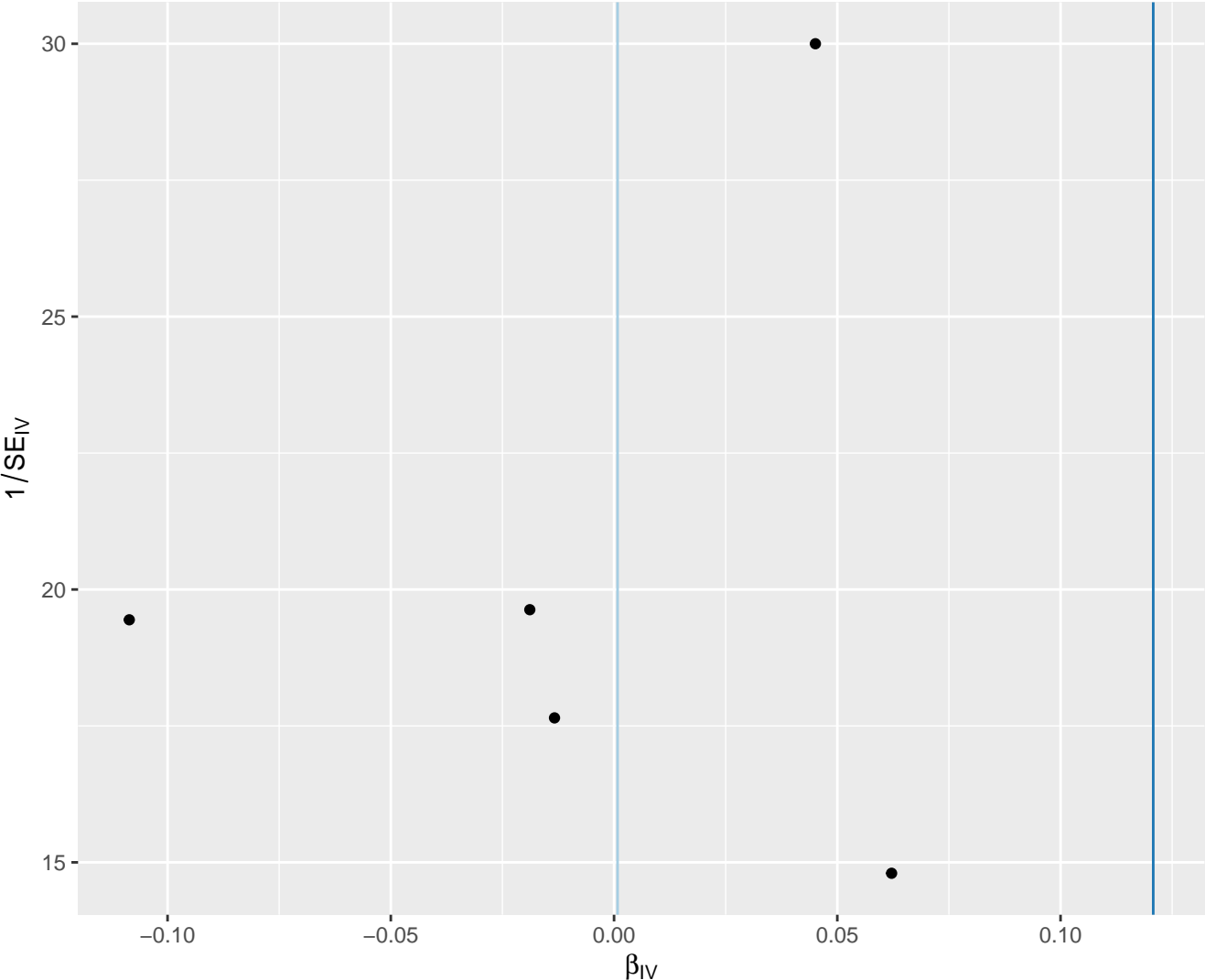
# Citrate

MR Method



# Citrulline

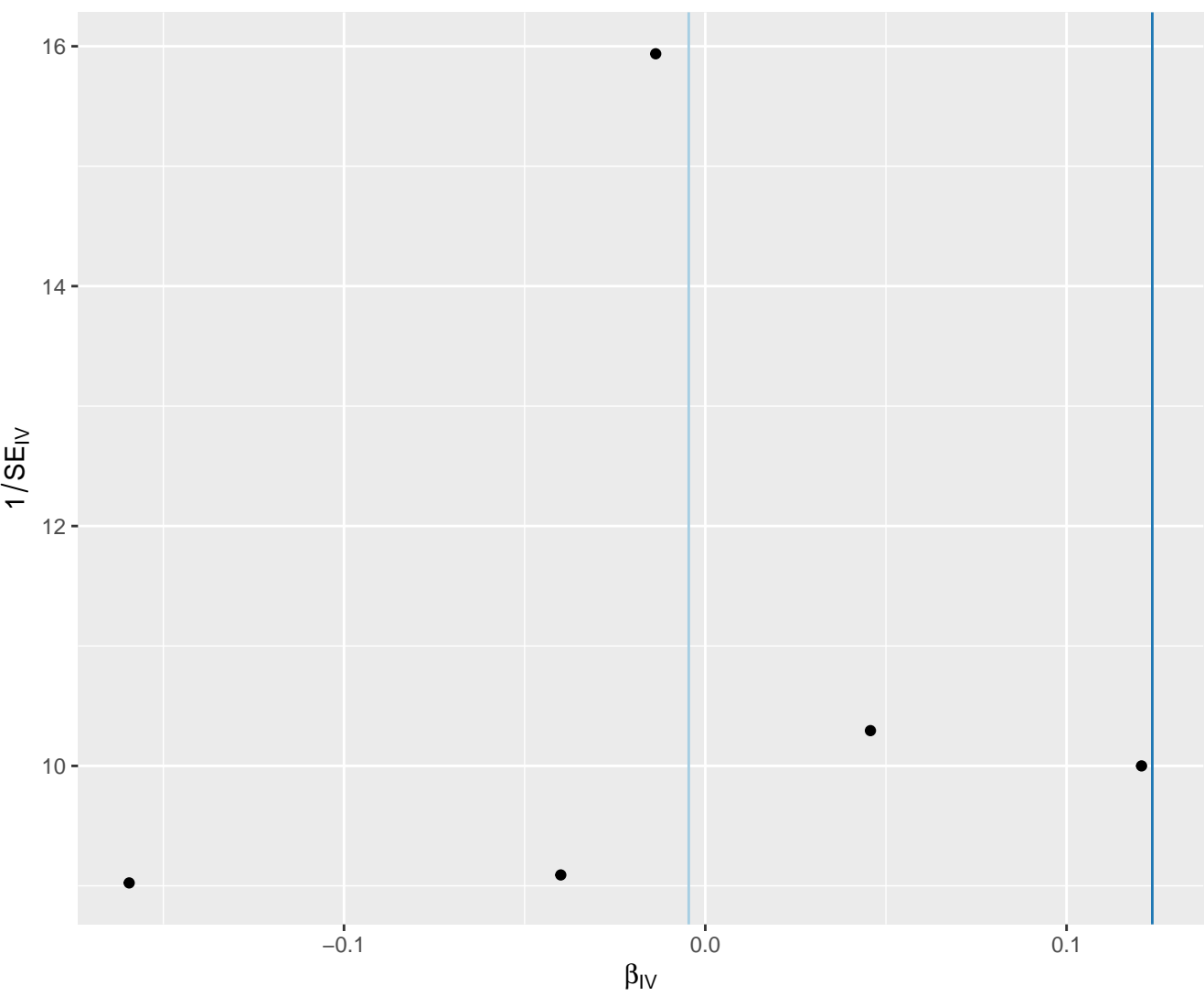
MR Method



# Cortisol

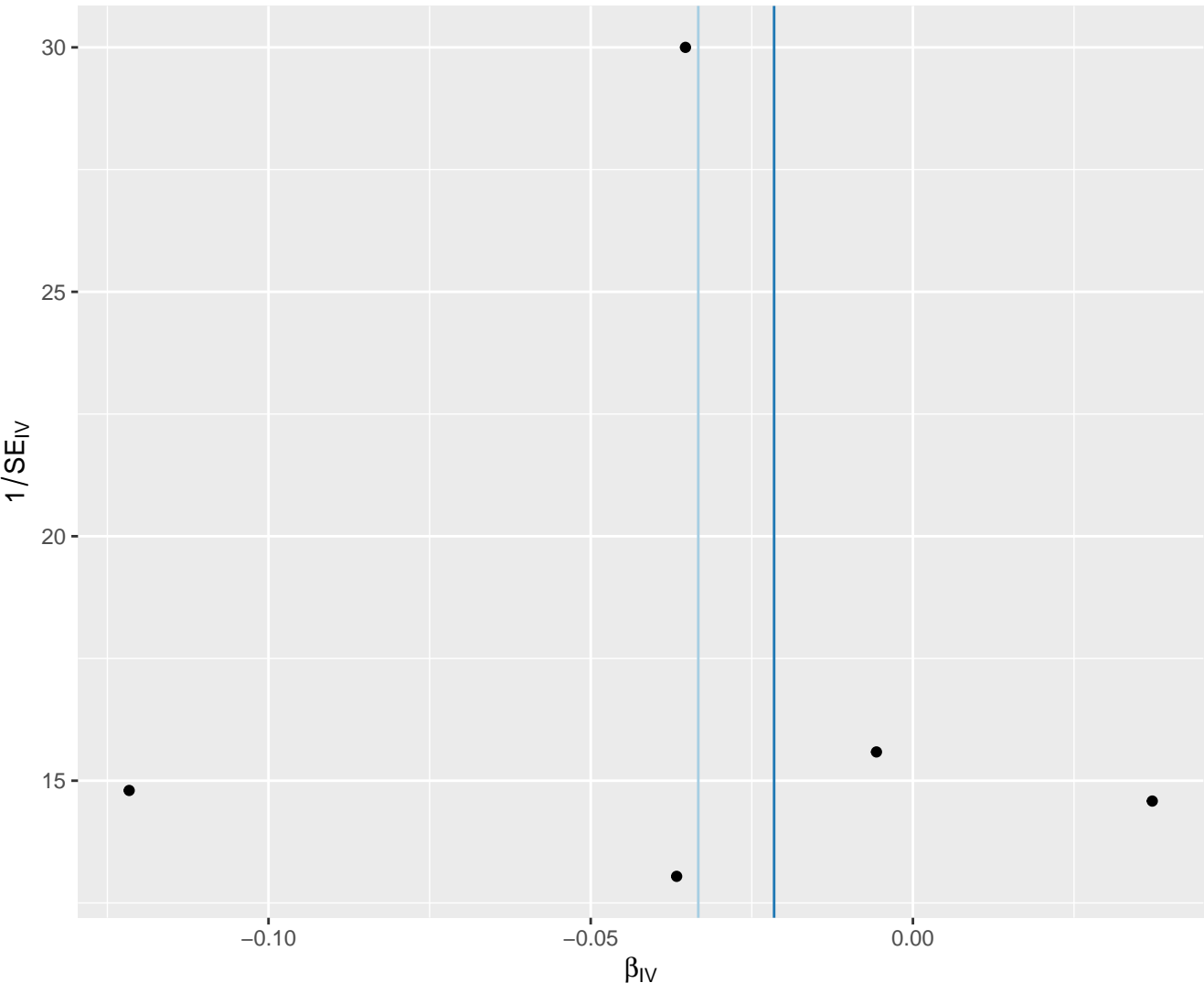
MR Method

- Inverse variance weighted
- MR Egger



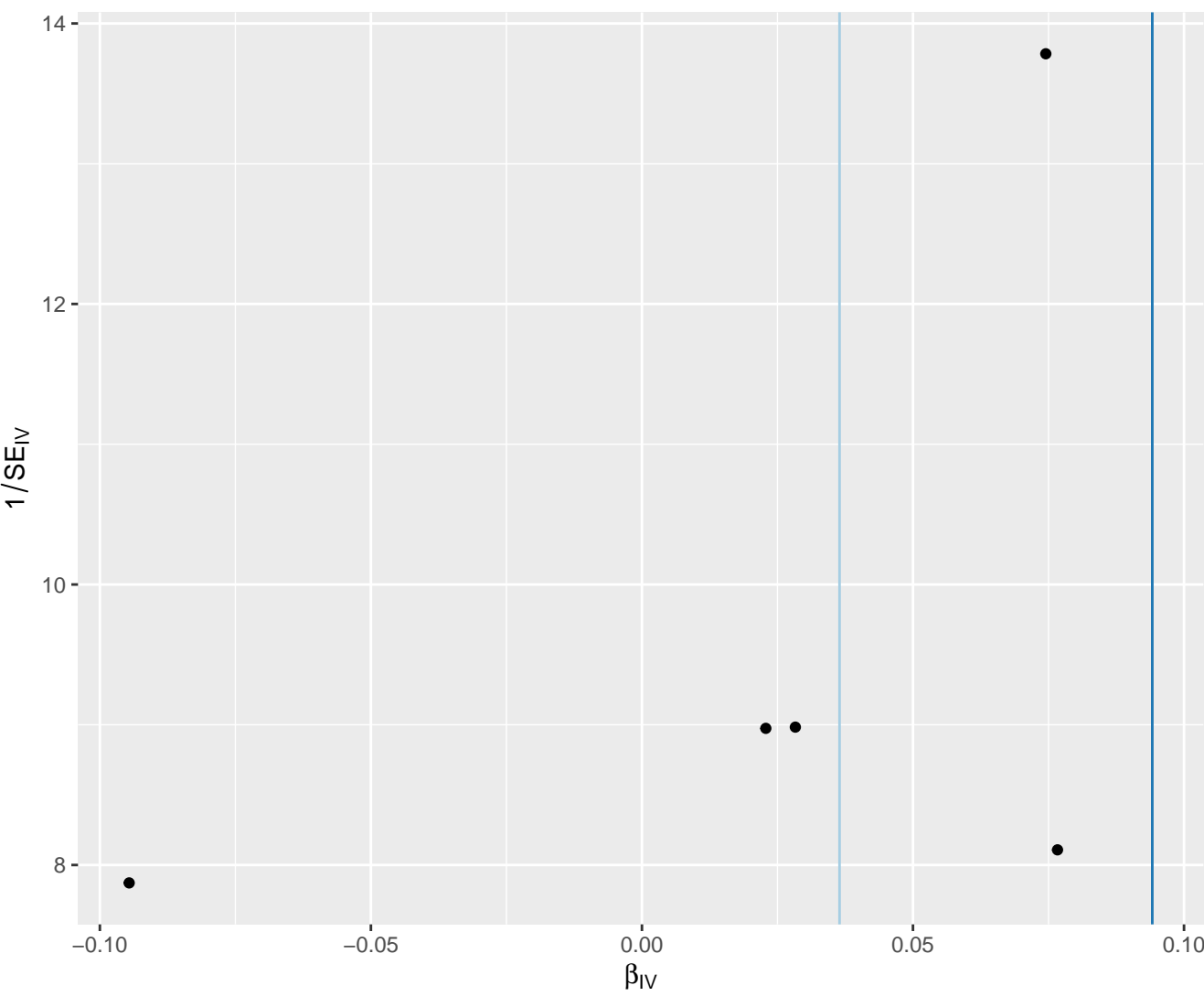
# Cortisone

MR Method



# Creatine

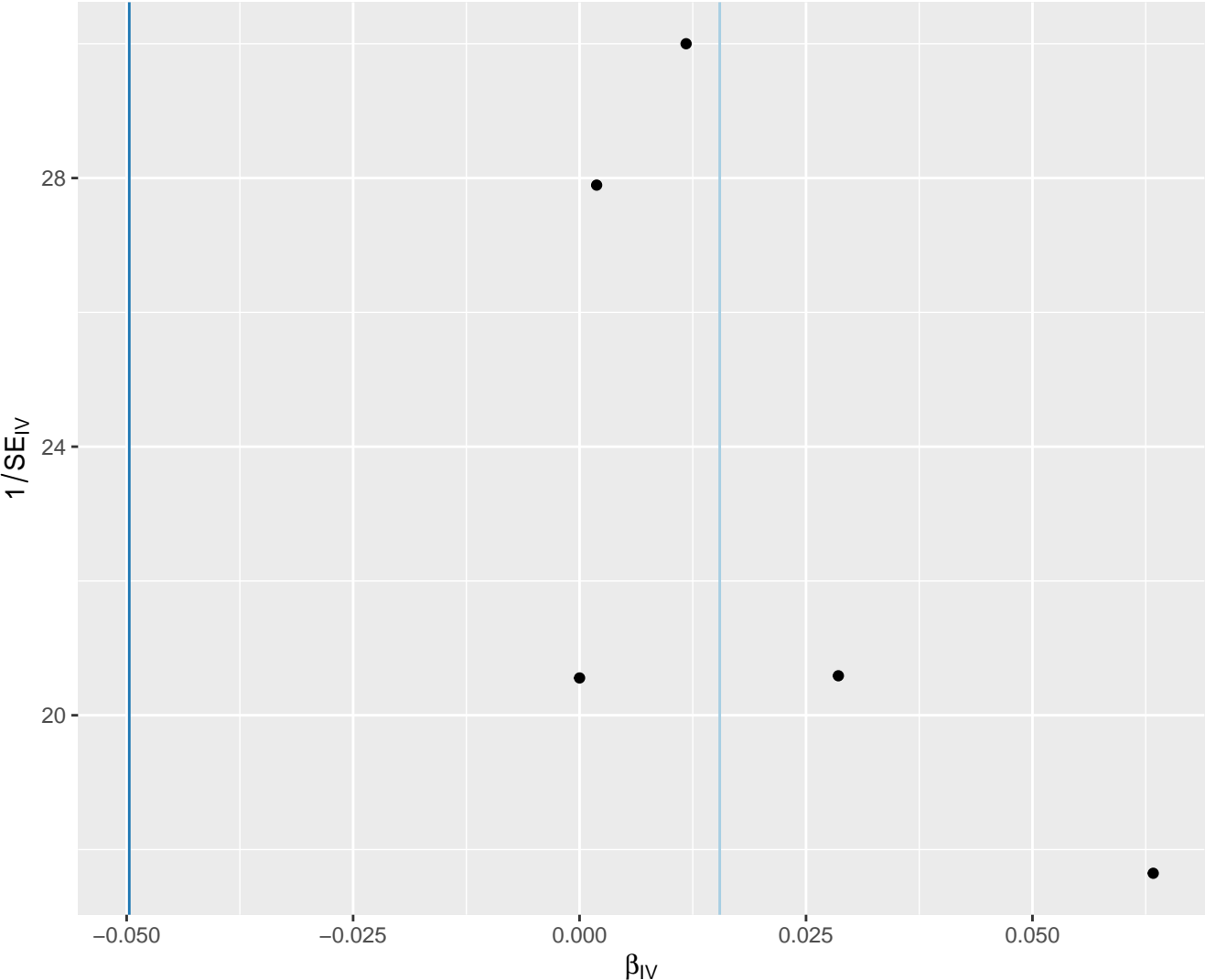
MR Method



# Creatinine

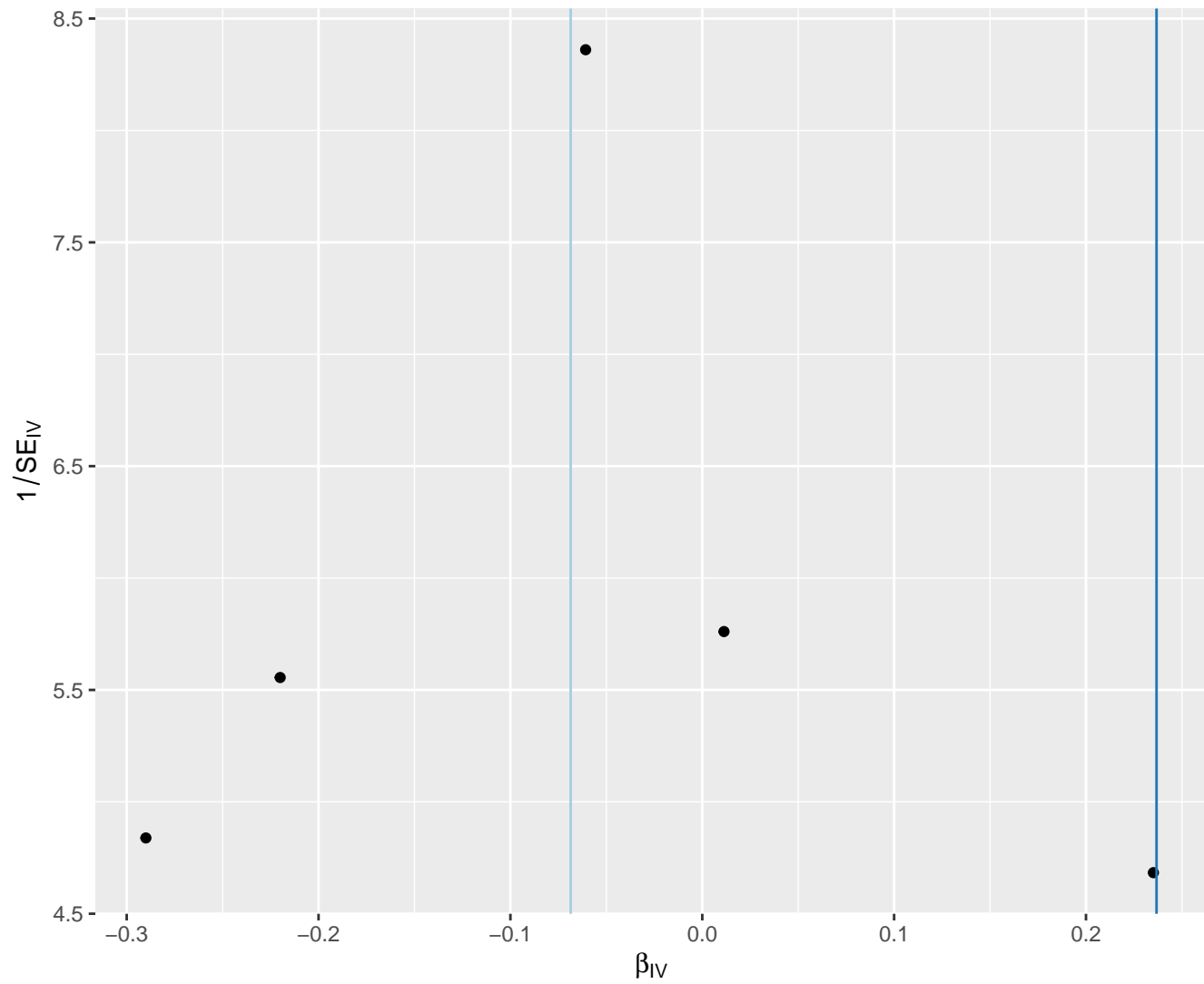
MR Method

- Inverse variance weighted
- MR Egger



# Cyclo(leu-pro)

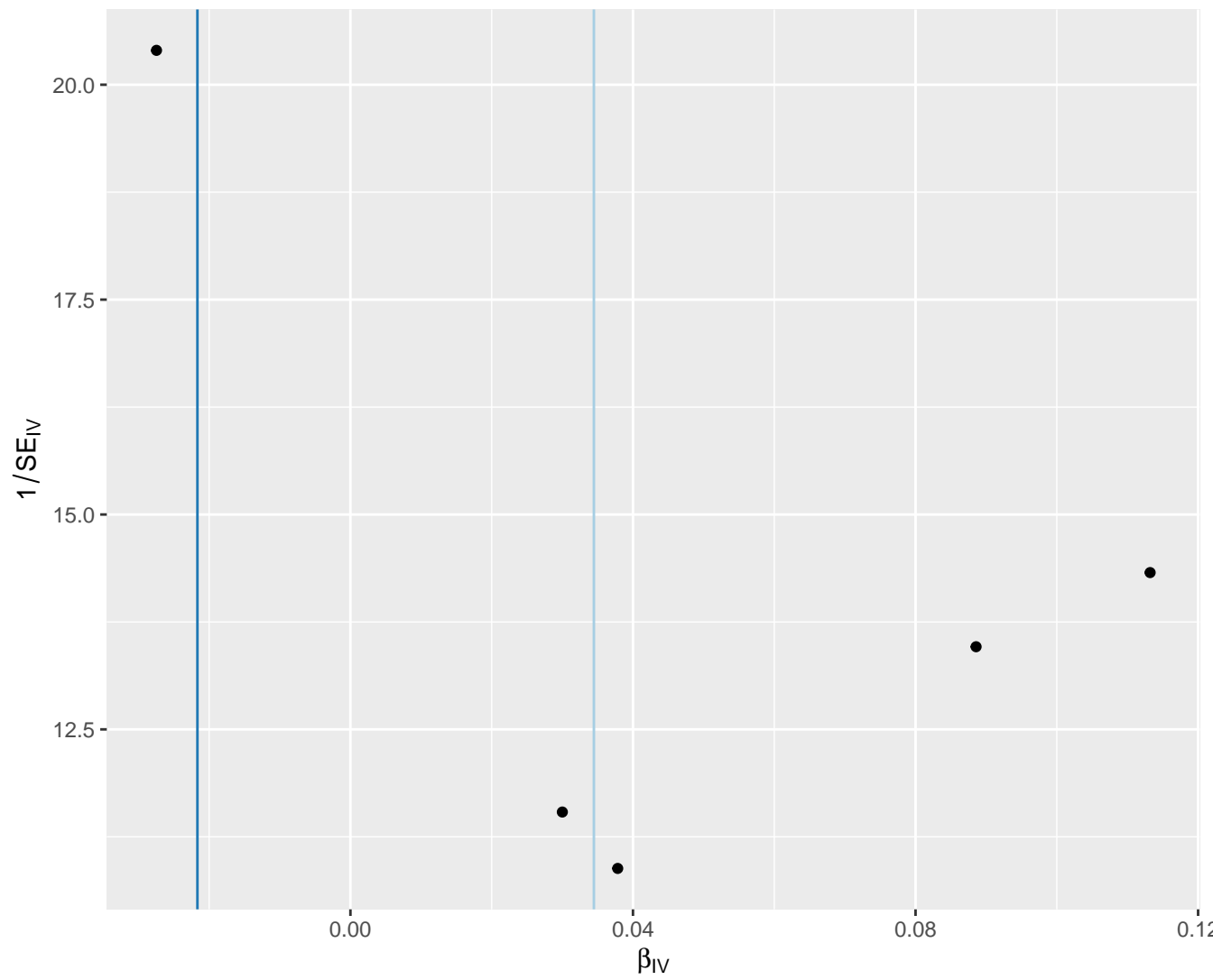
MR Method





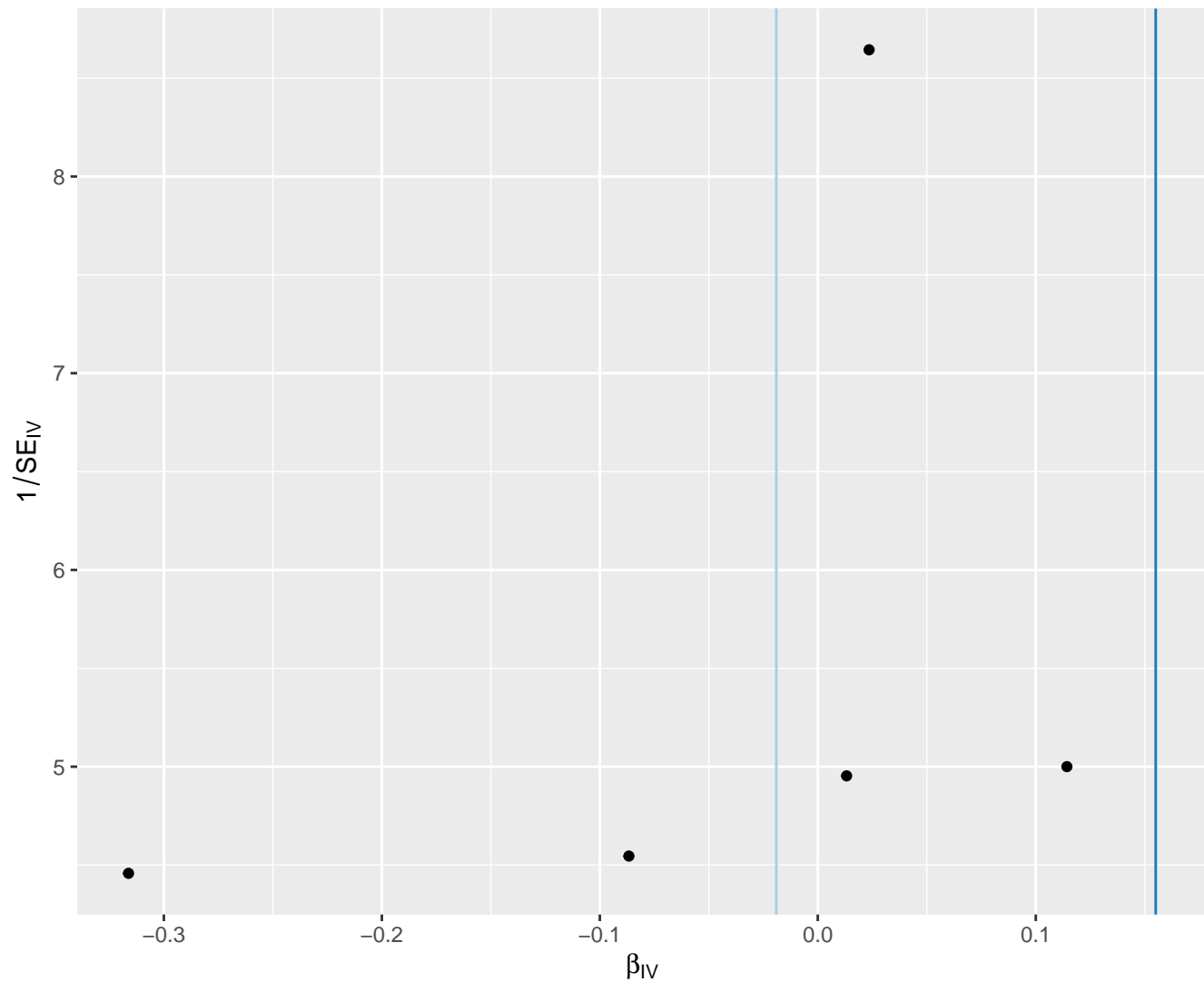
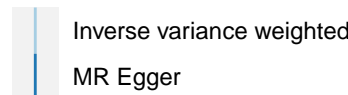
# Cysteine

MR Method



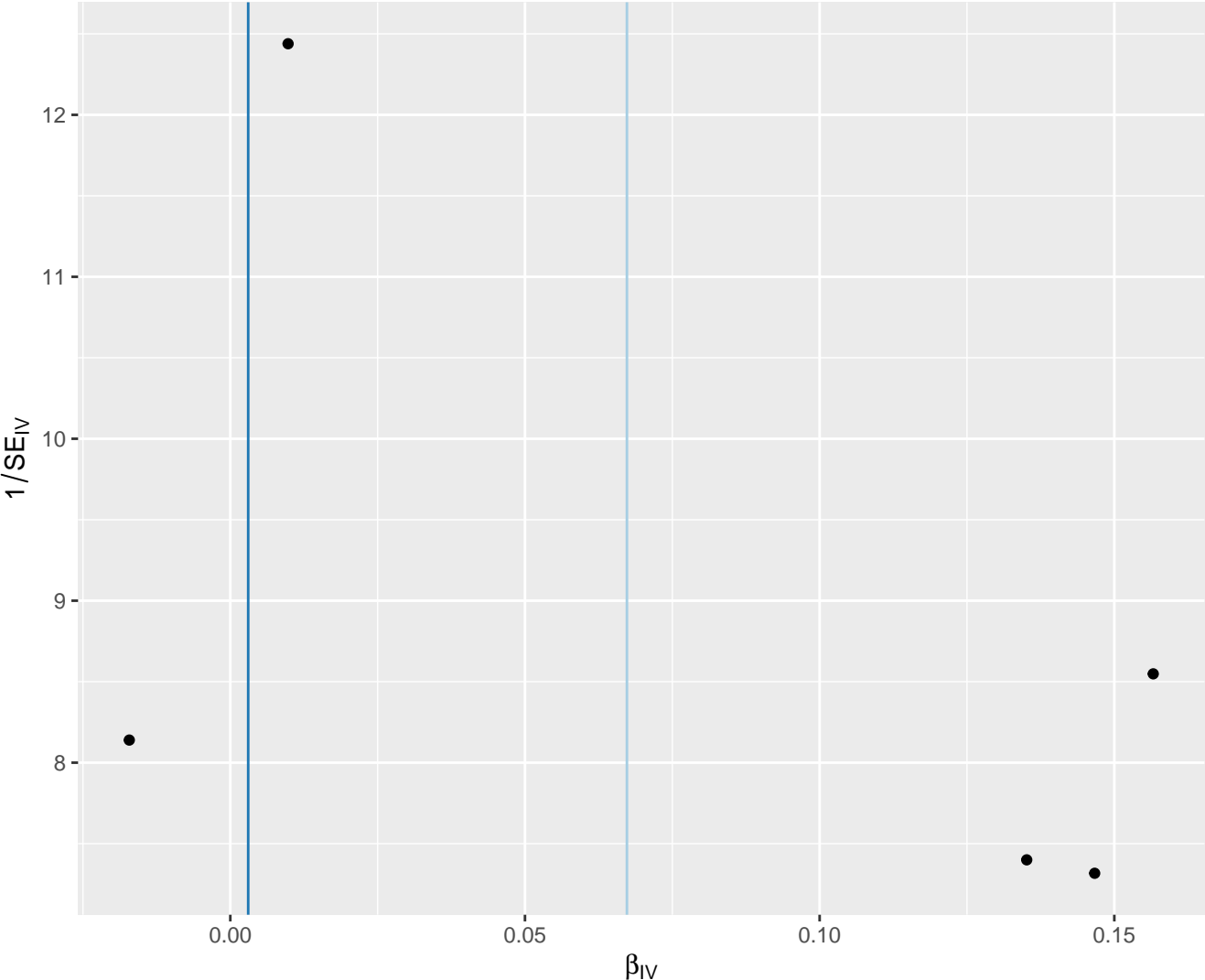
# Cysteine–glutathione disulfide

MR Method



# Decanoylcarnitine

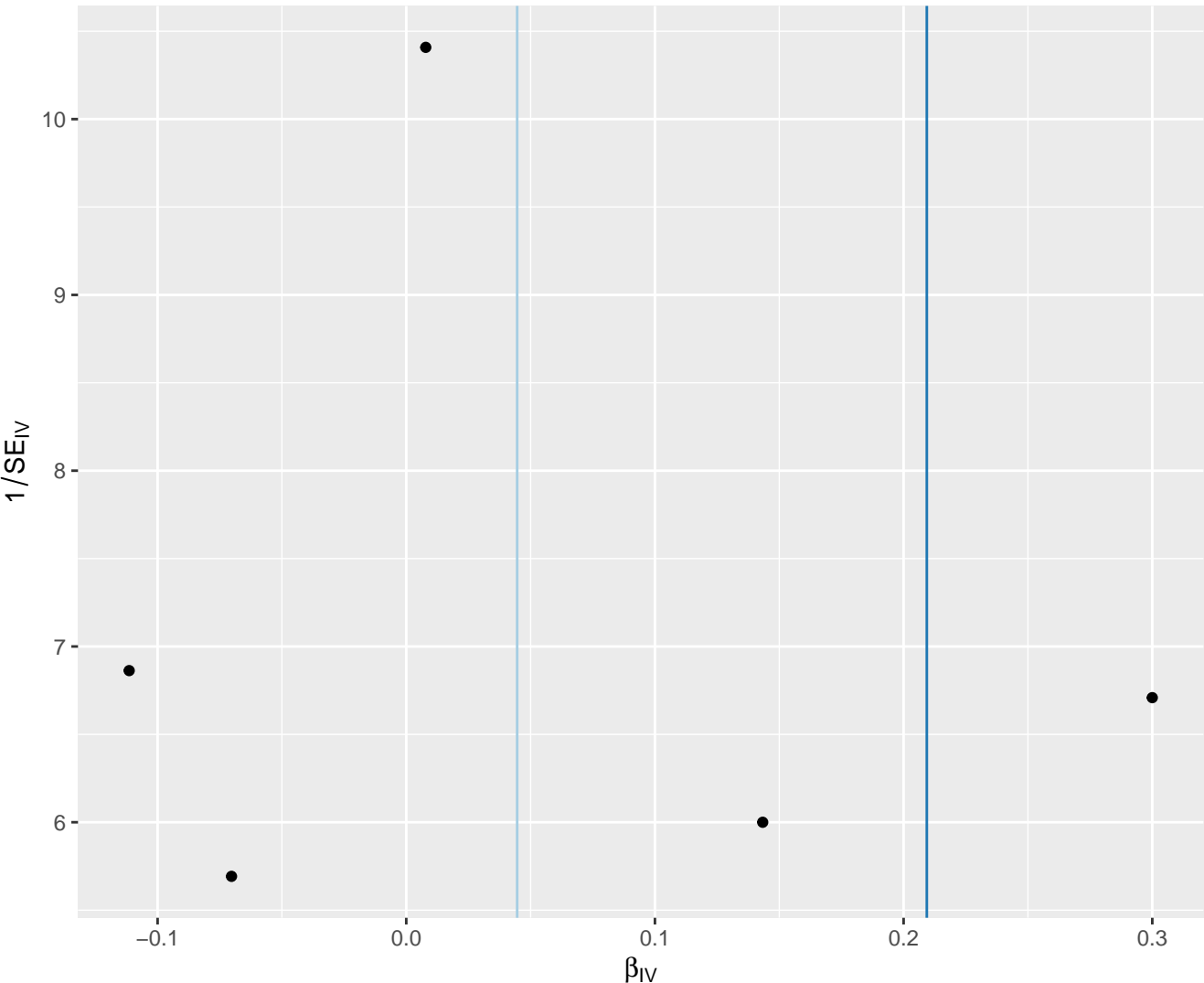
MR Method



# Dehydroisoandrosterone sulfate (DHEA-S)

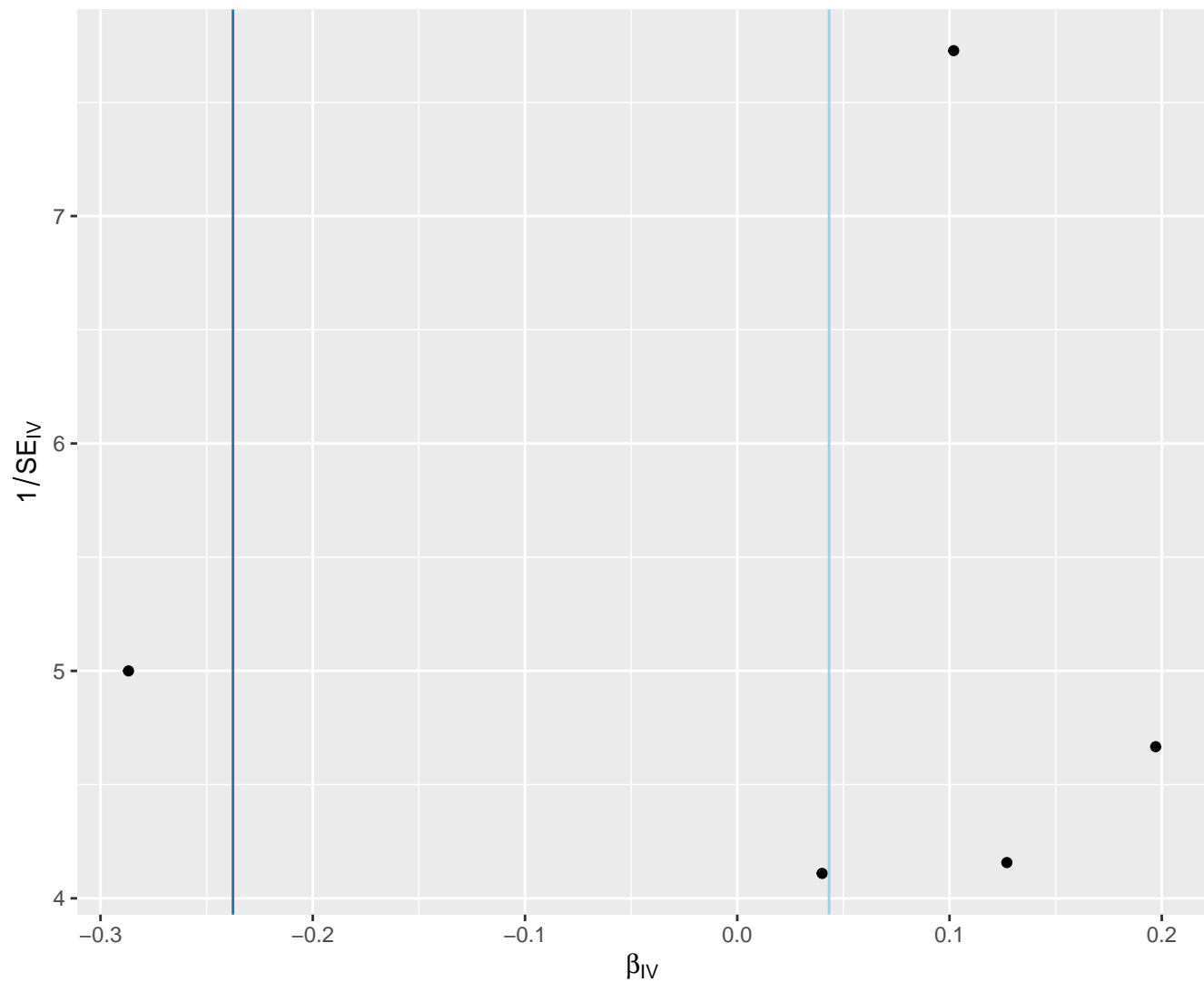
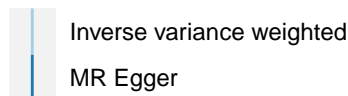
MR Method

- Inverse variance weighted
- MR Egger



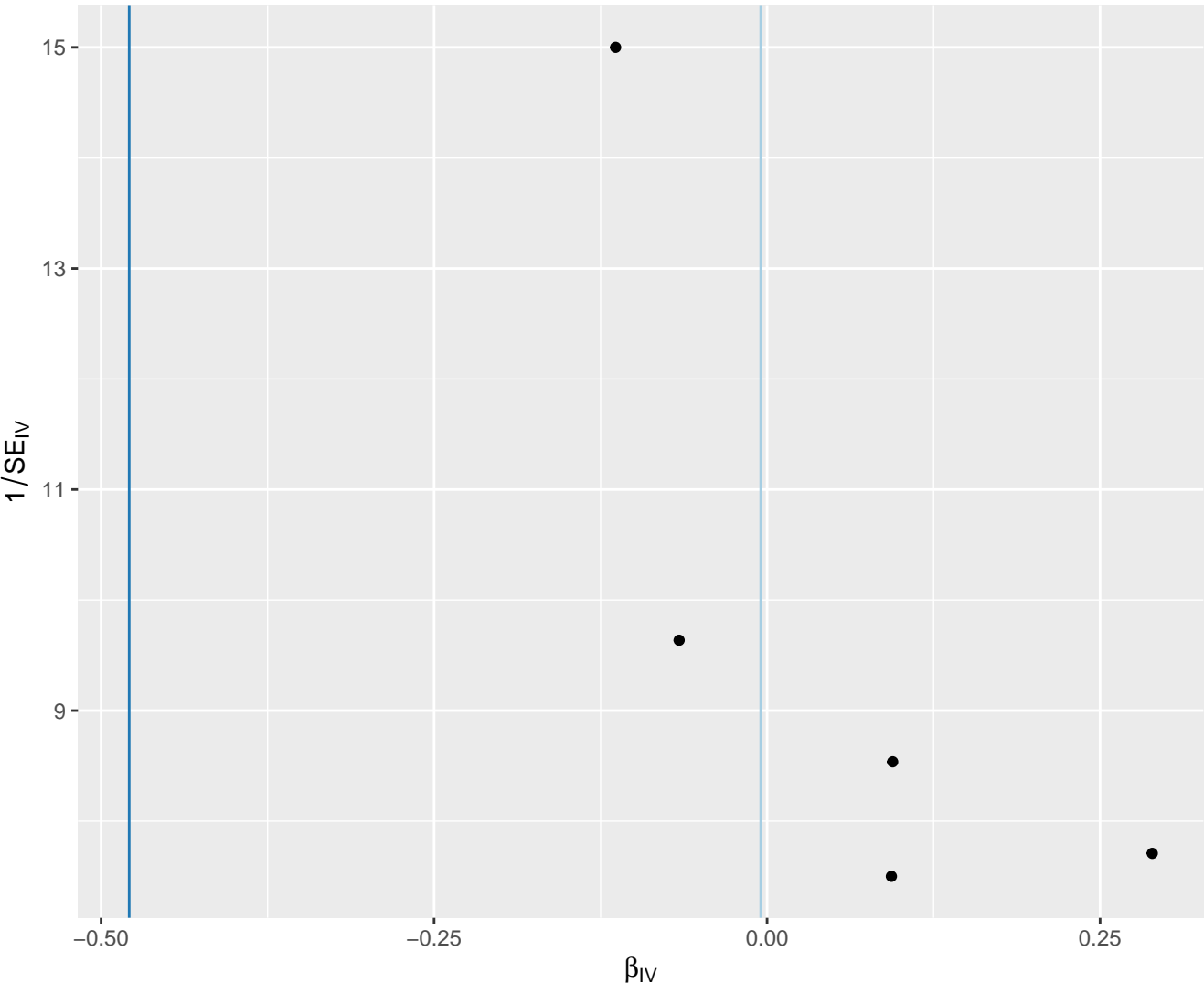
# Deoxycholate

MR Method



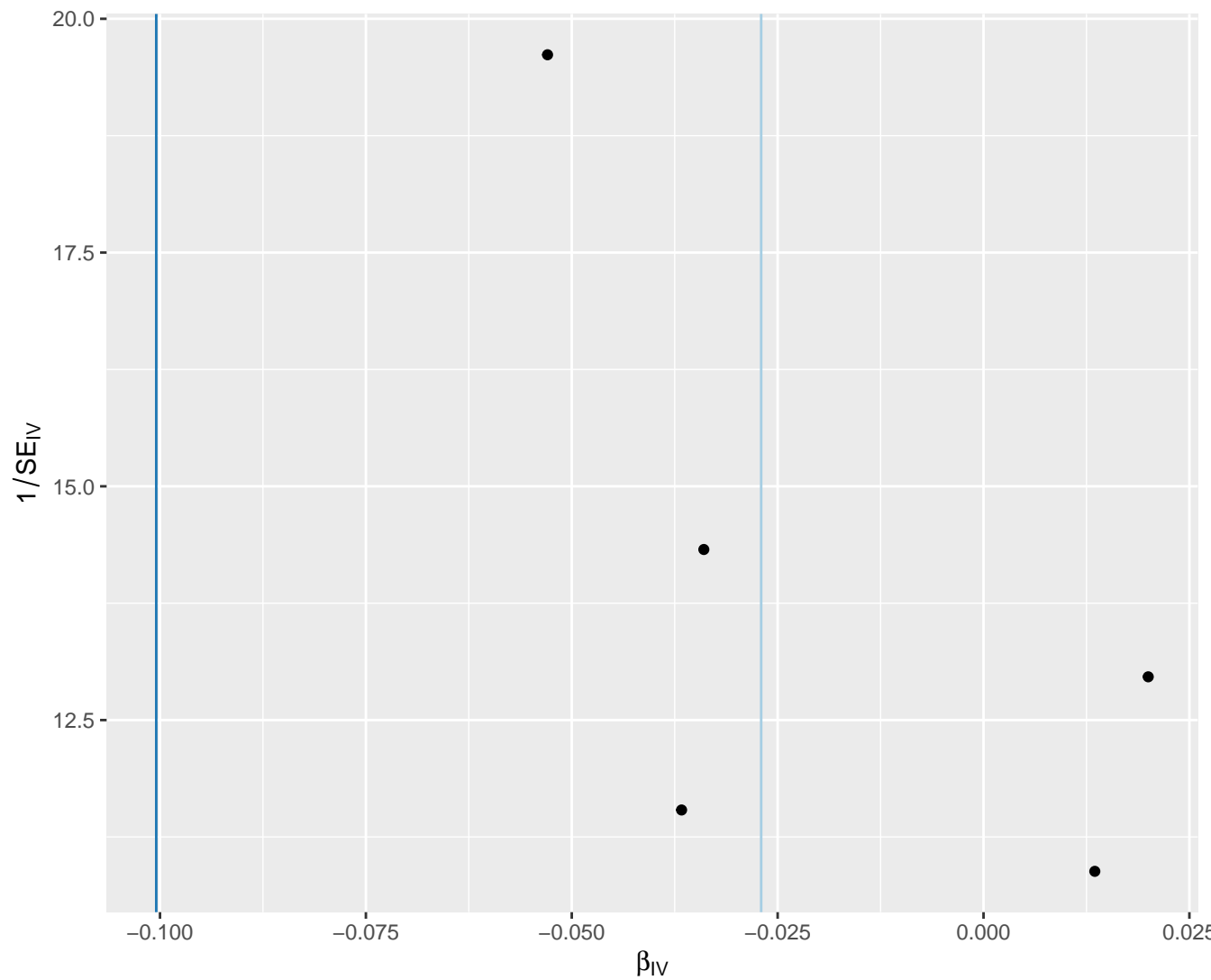
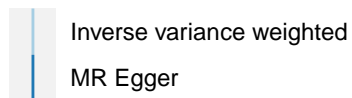
Dihomo–linoleate (20:2n6)

MR Method



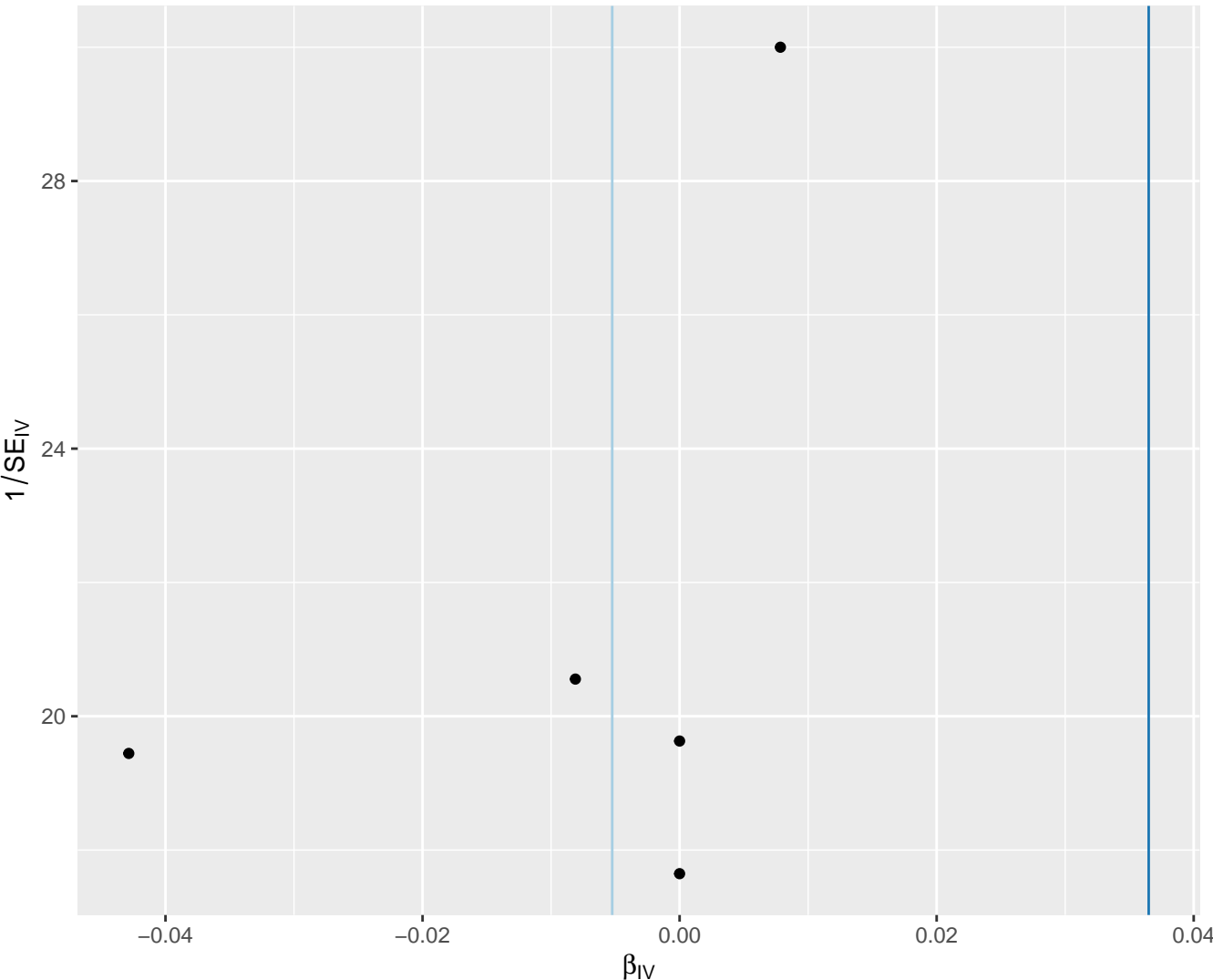
# Dihomo-linolenate (20:3n3 or n6)

MR Method



Dimethylarginine (SDMA + ADMA)

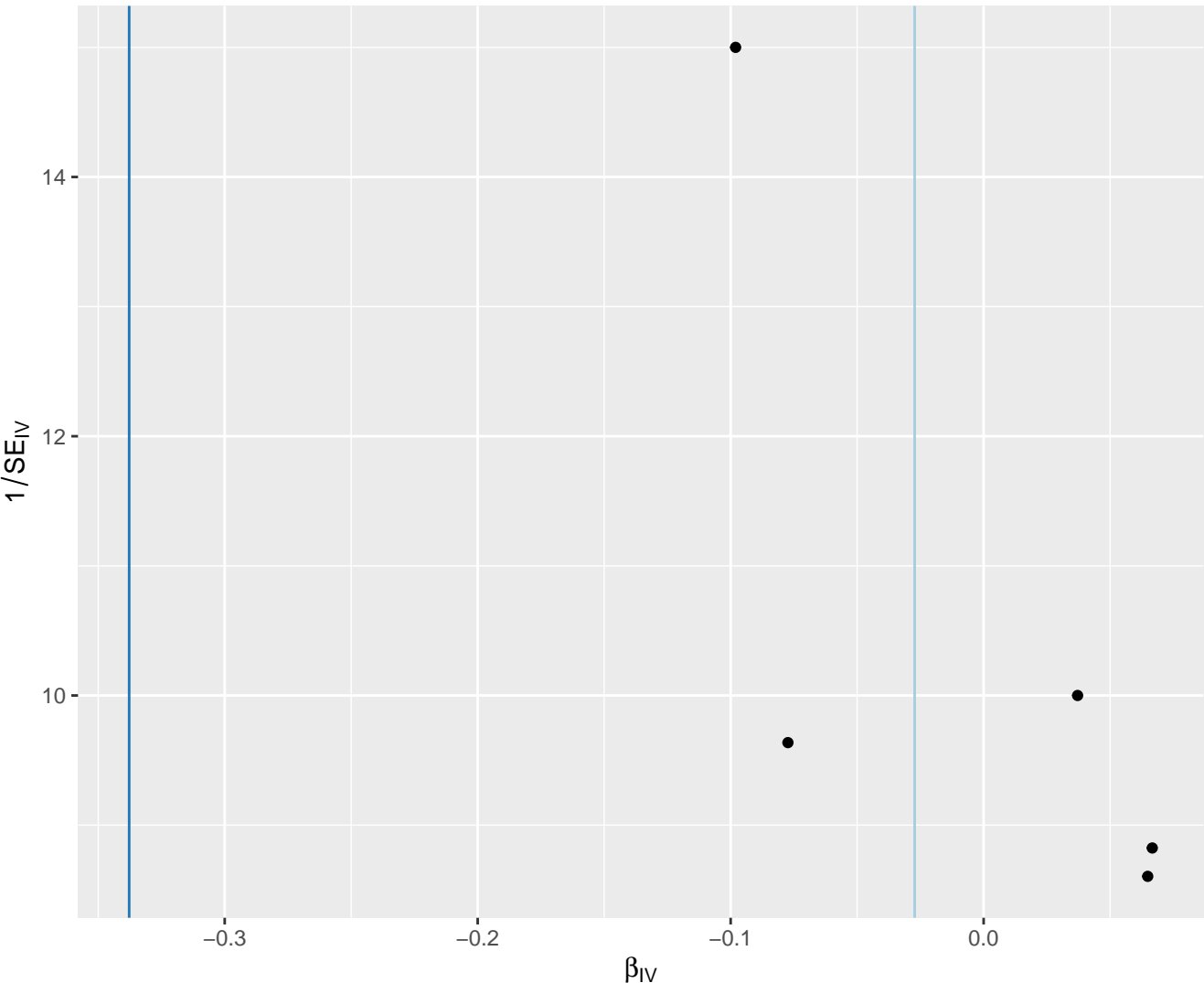
MR Method





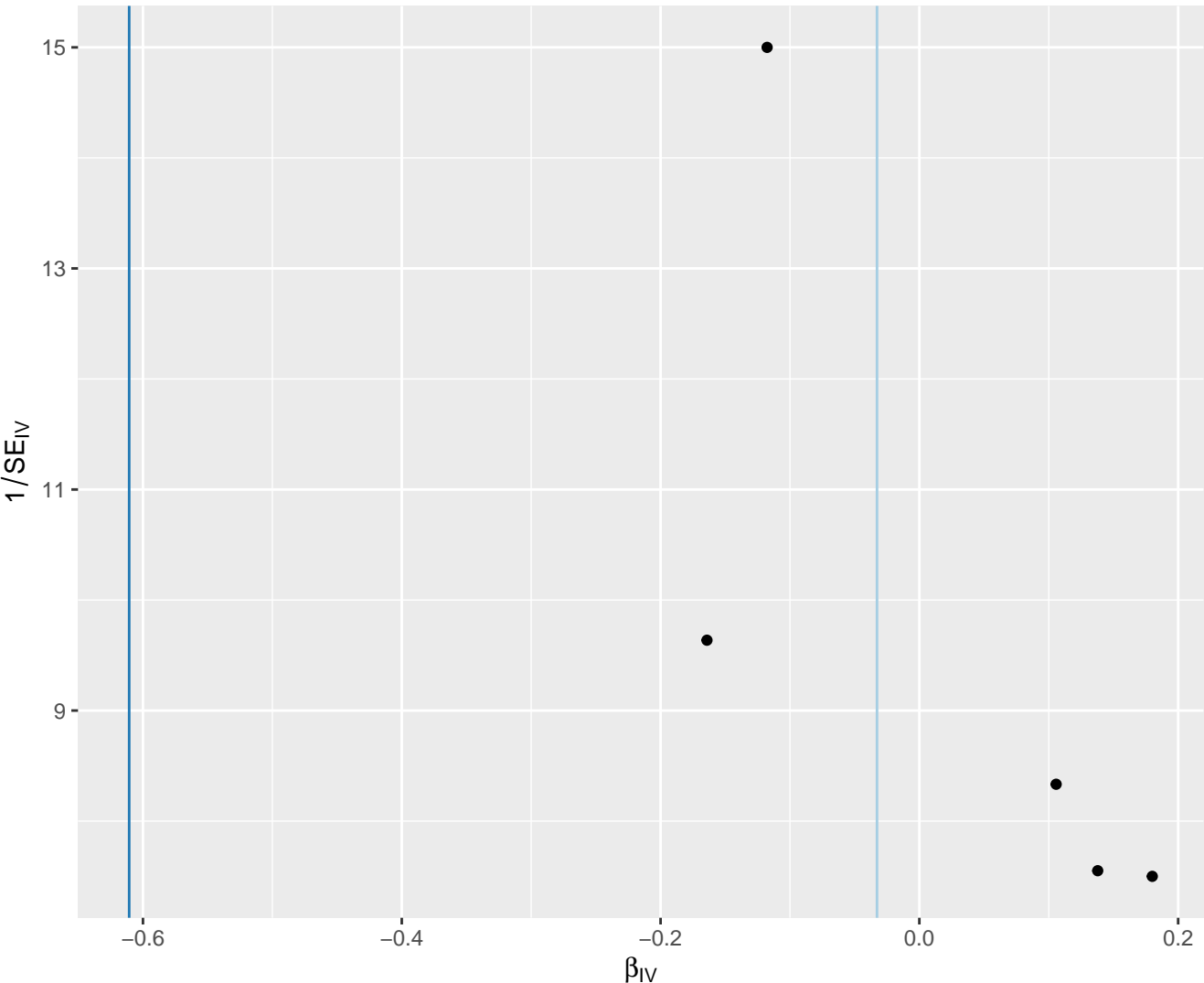
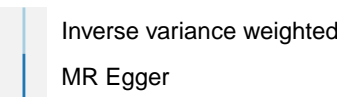
Docosahexaenoate (DHA; 22:6n3)

MR Method



Docosapentaenoate (n3 DPA; 22:5n3)

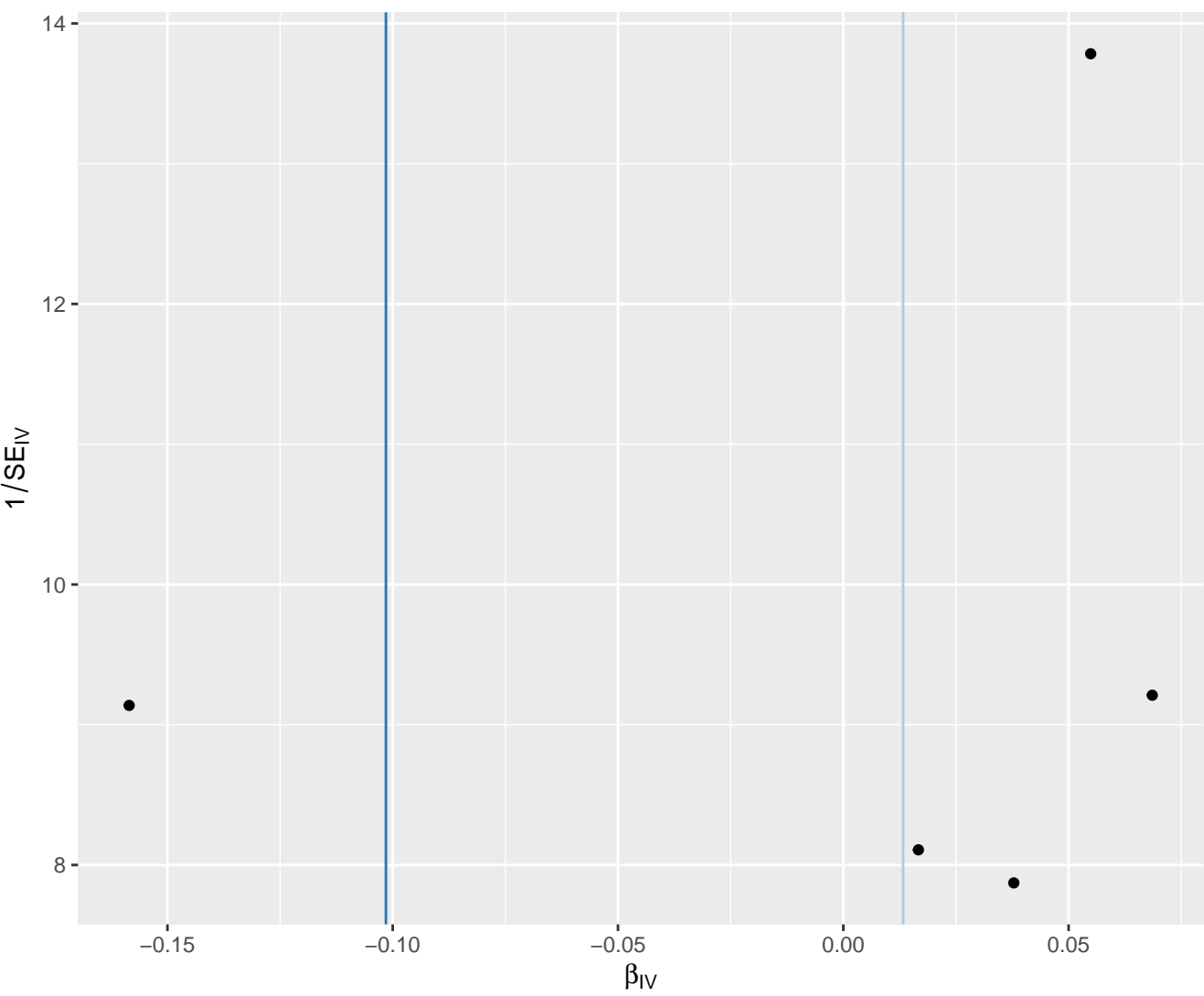
MR Method



# Dodecanedioate

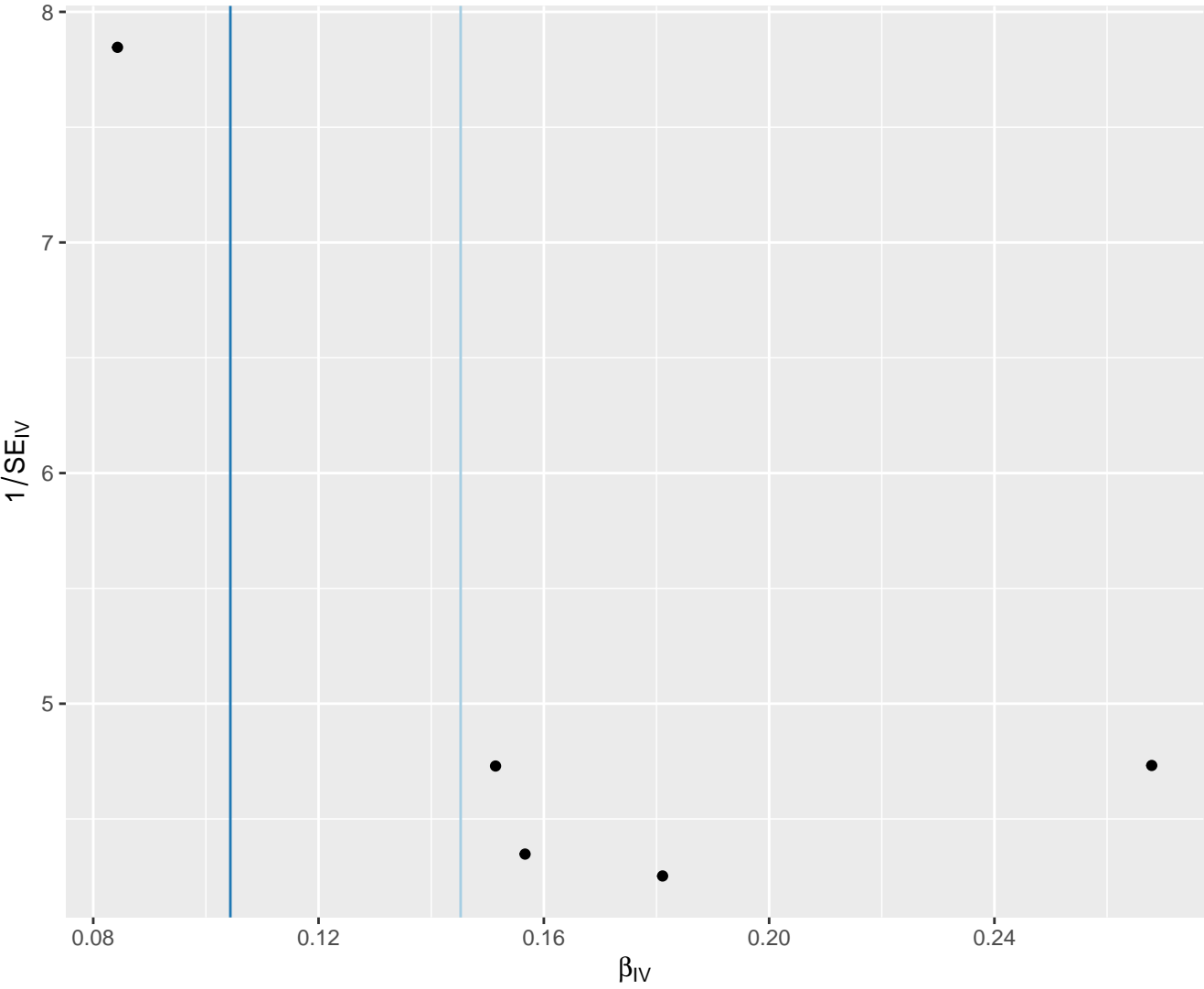
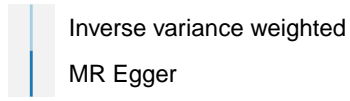
MR Method

- Inverse variance weighted
- MR Egger



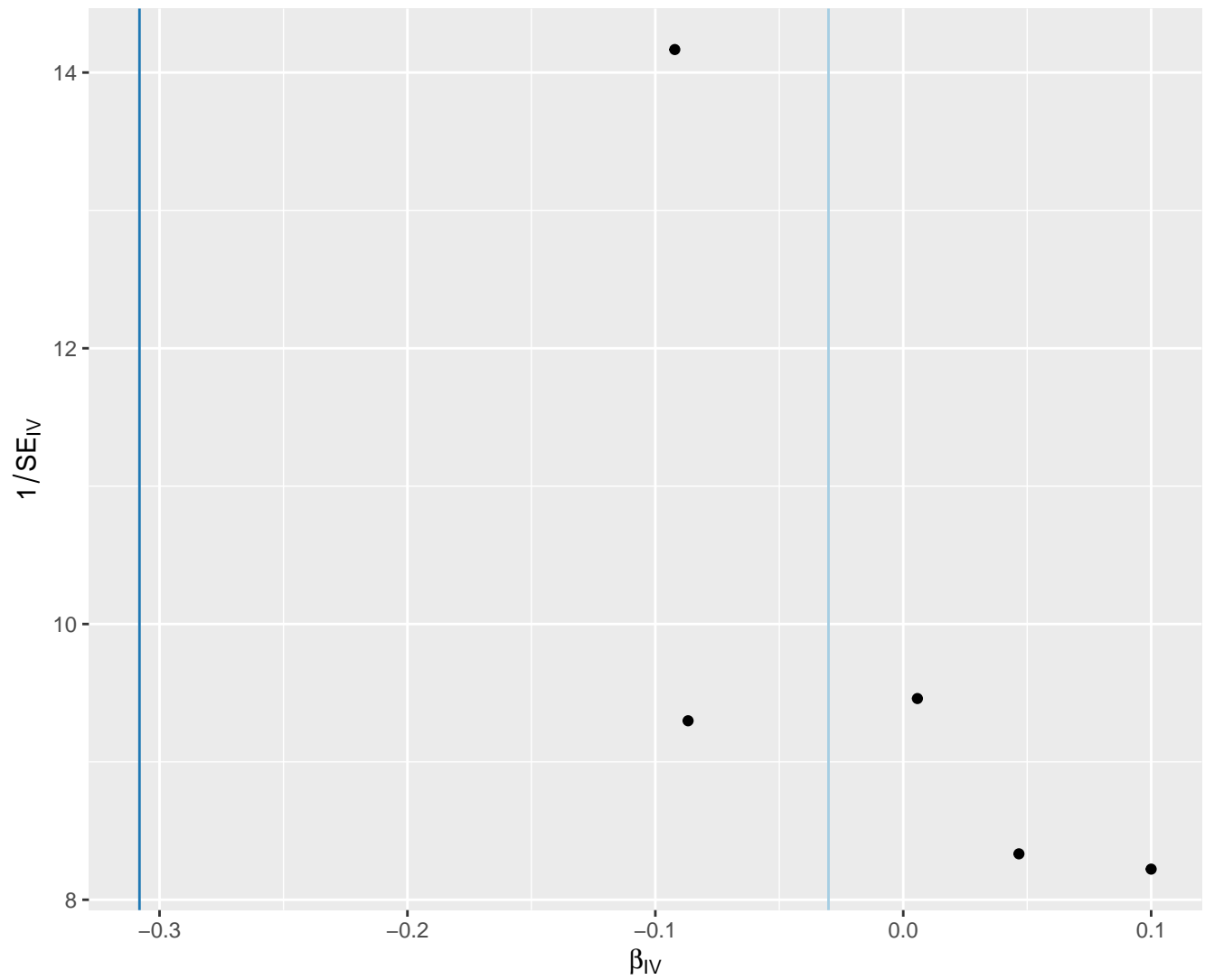
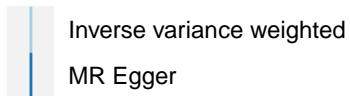
DSGEGDFXAEGGGVR\*

MR Method



# Eicosapentaenoate (EPA; 20:5n3)

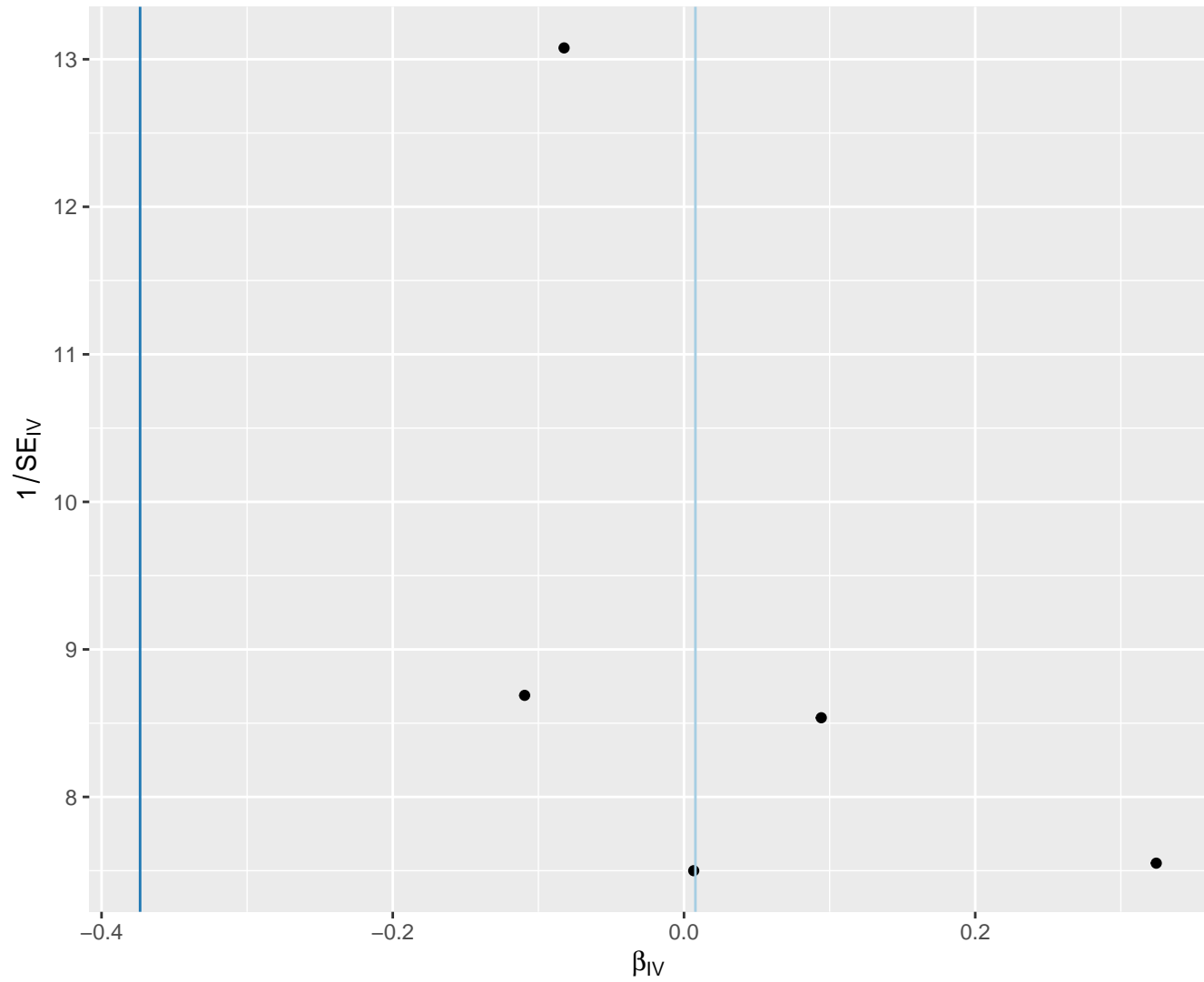
MR Method



# Eicosenoate (20:1n9 or 11)

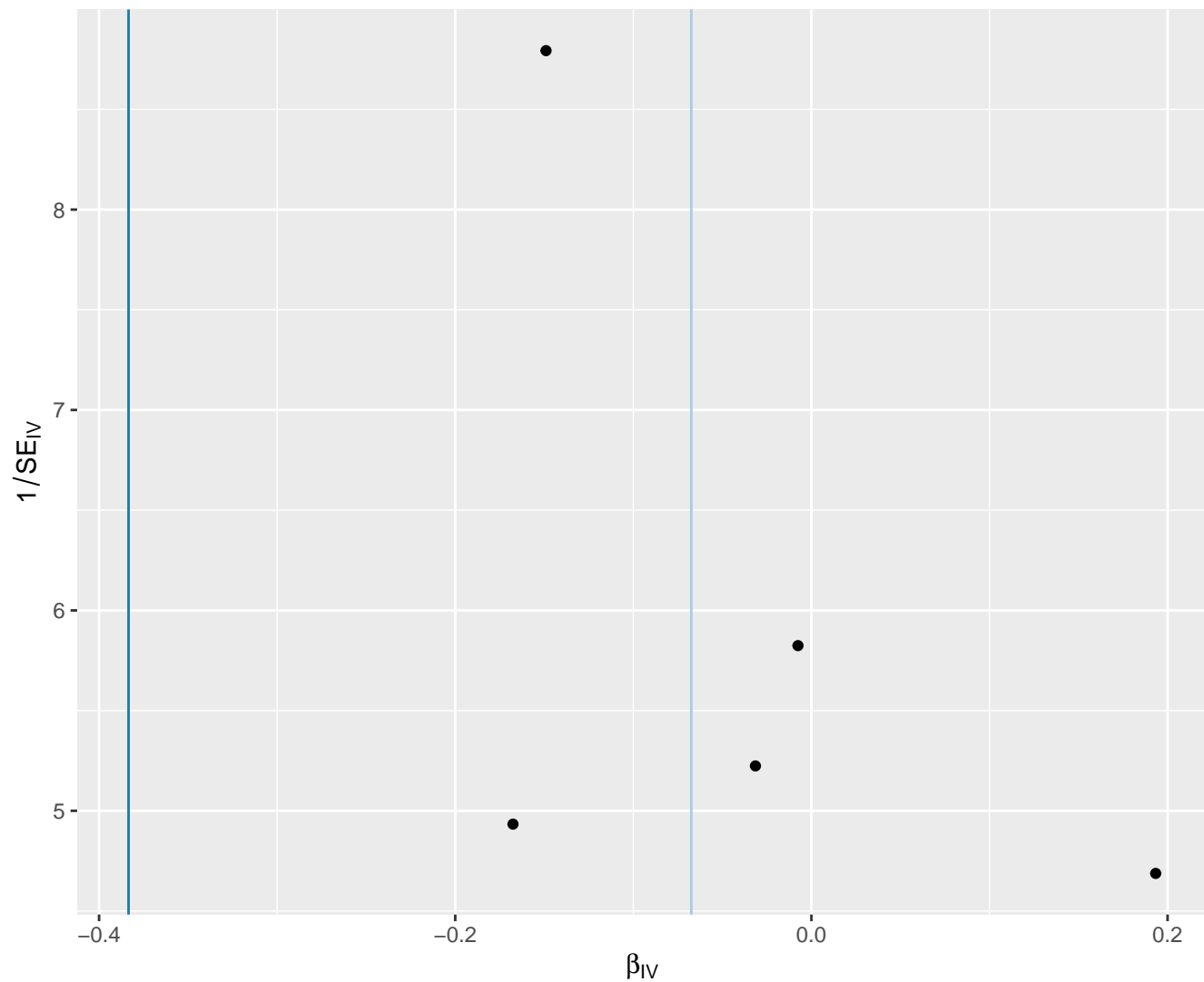
MR Method

- Inverse variance weighted
- MR Egger



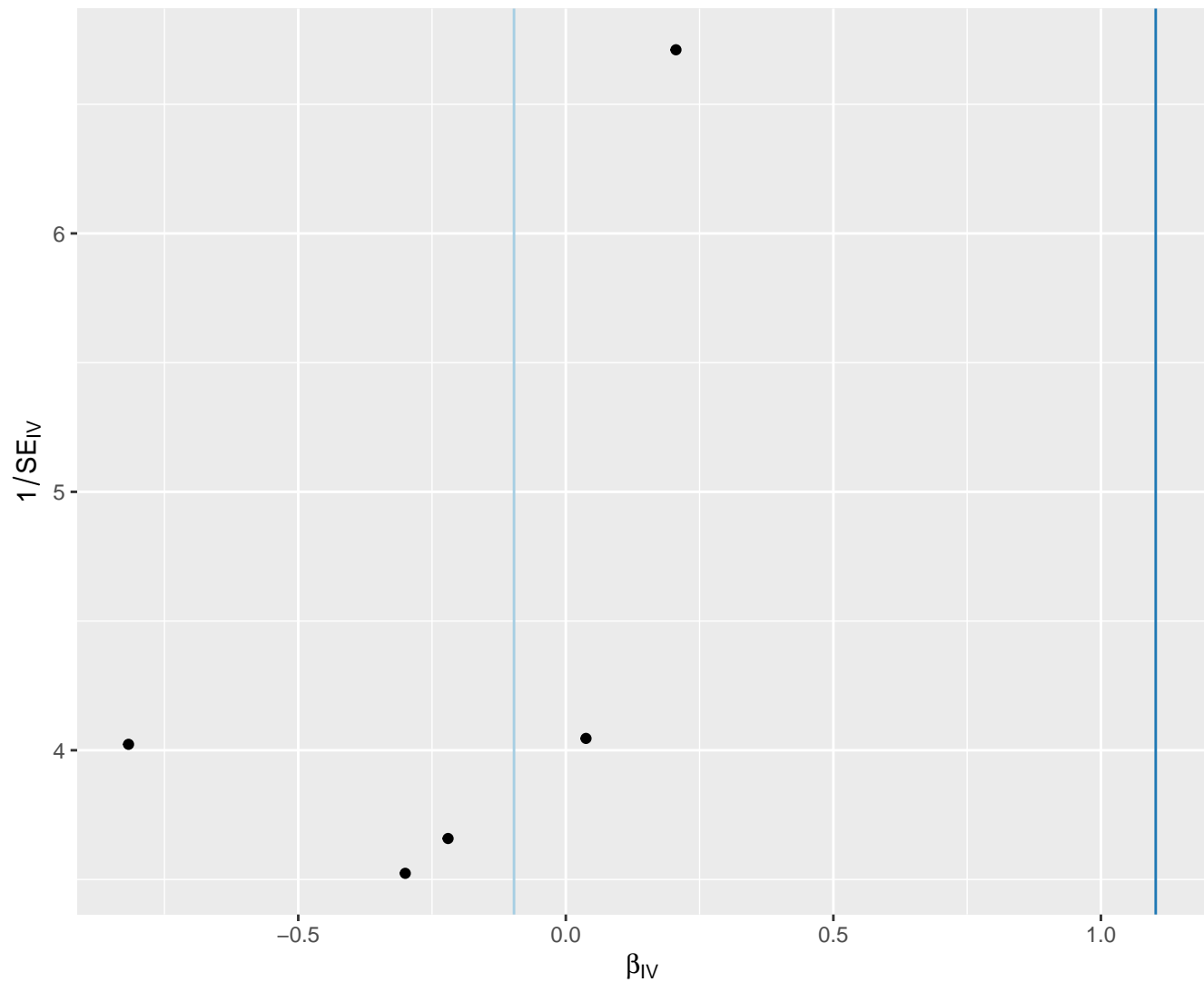
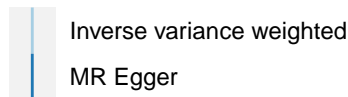
# Epiandrosterone sulfate

MR Method



# Ergothioneine

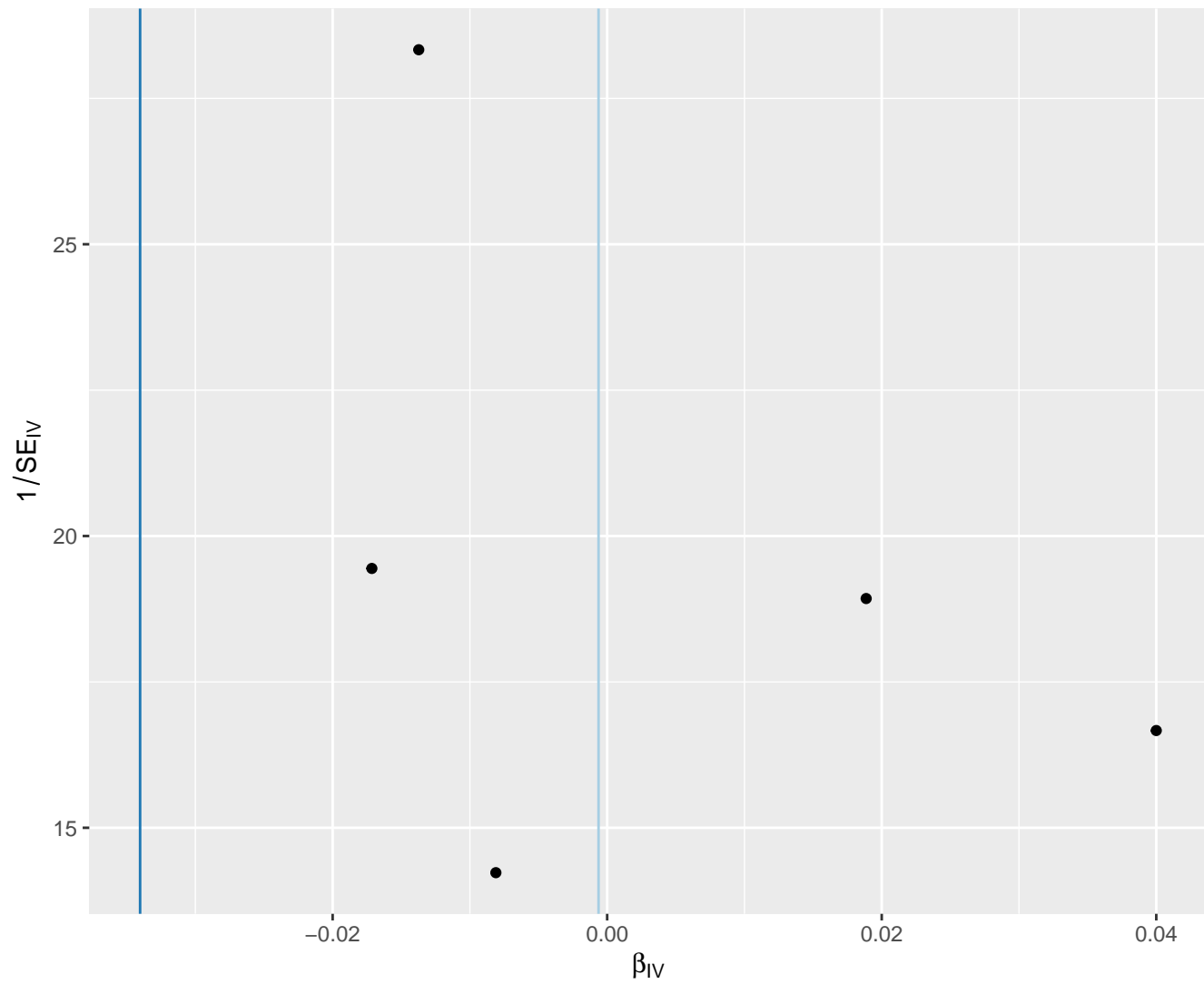
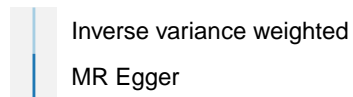
MR Method



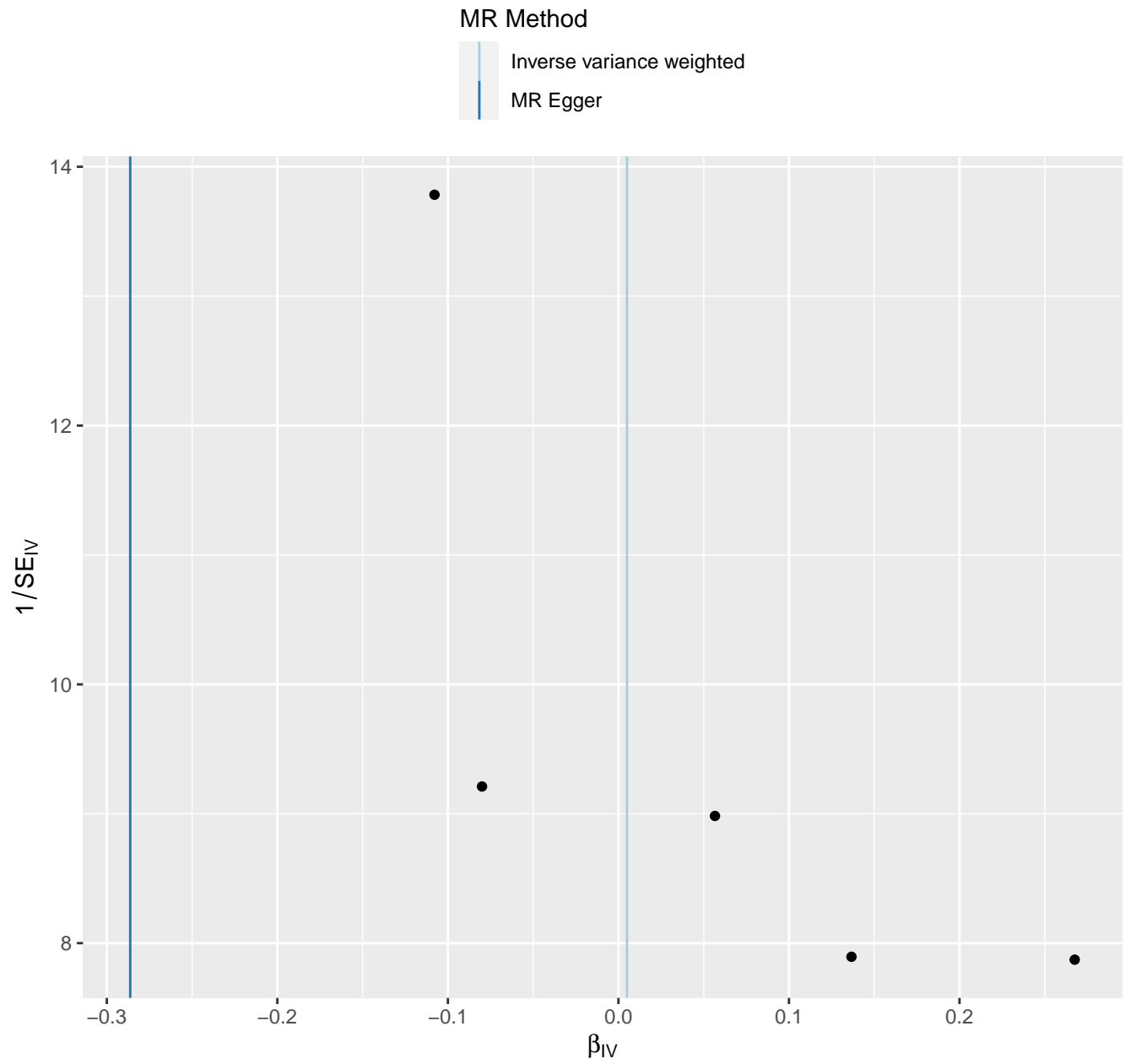


Erythronate\*

MR Method

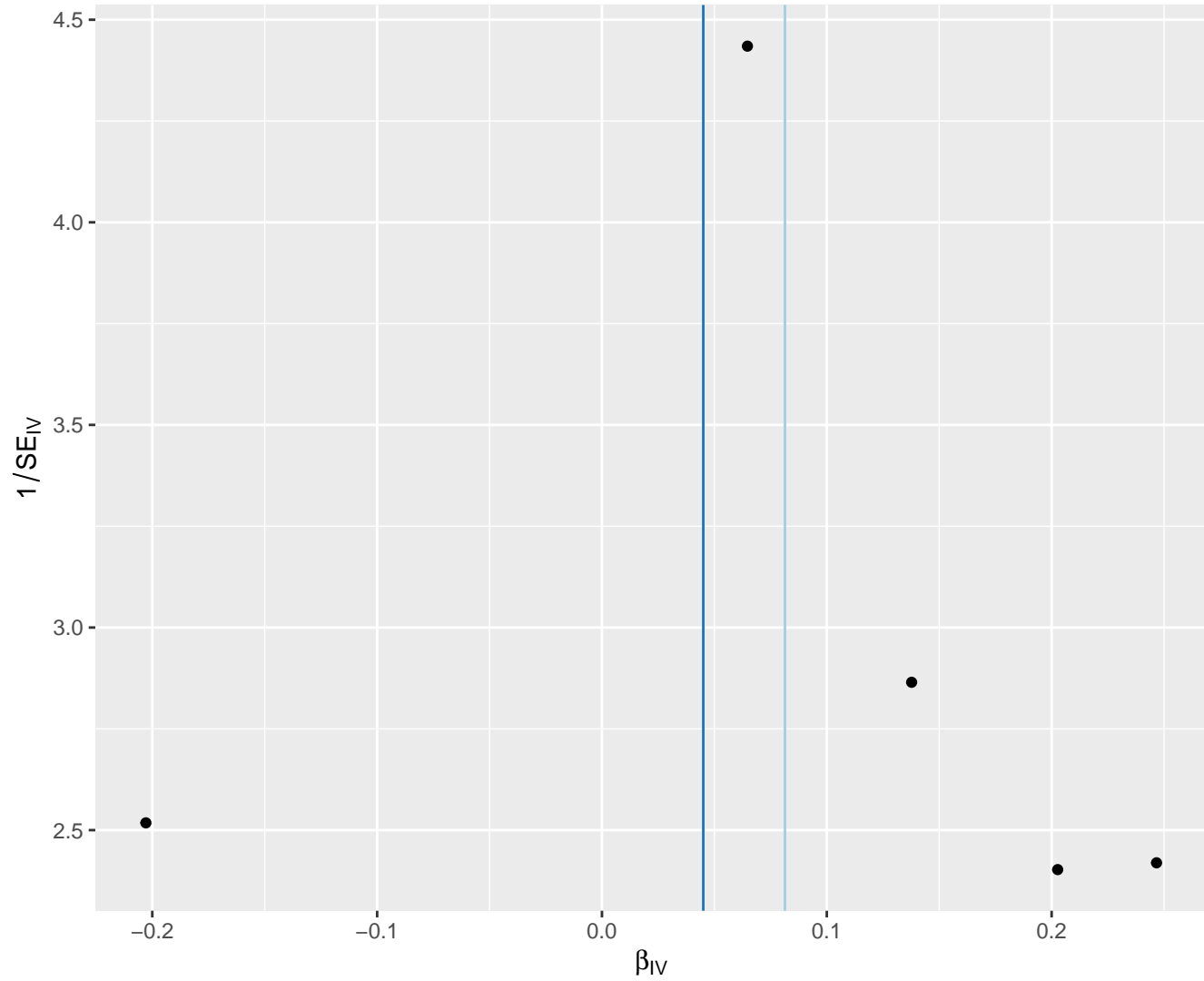
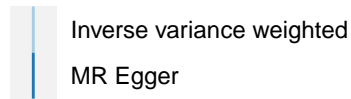


# Erythrore



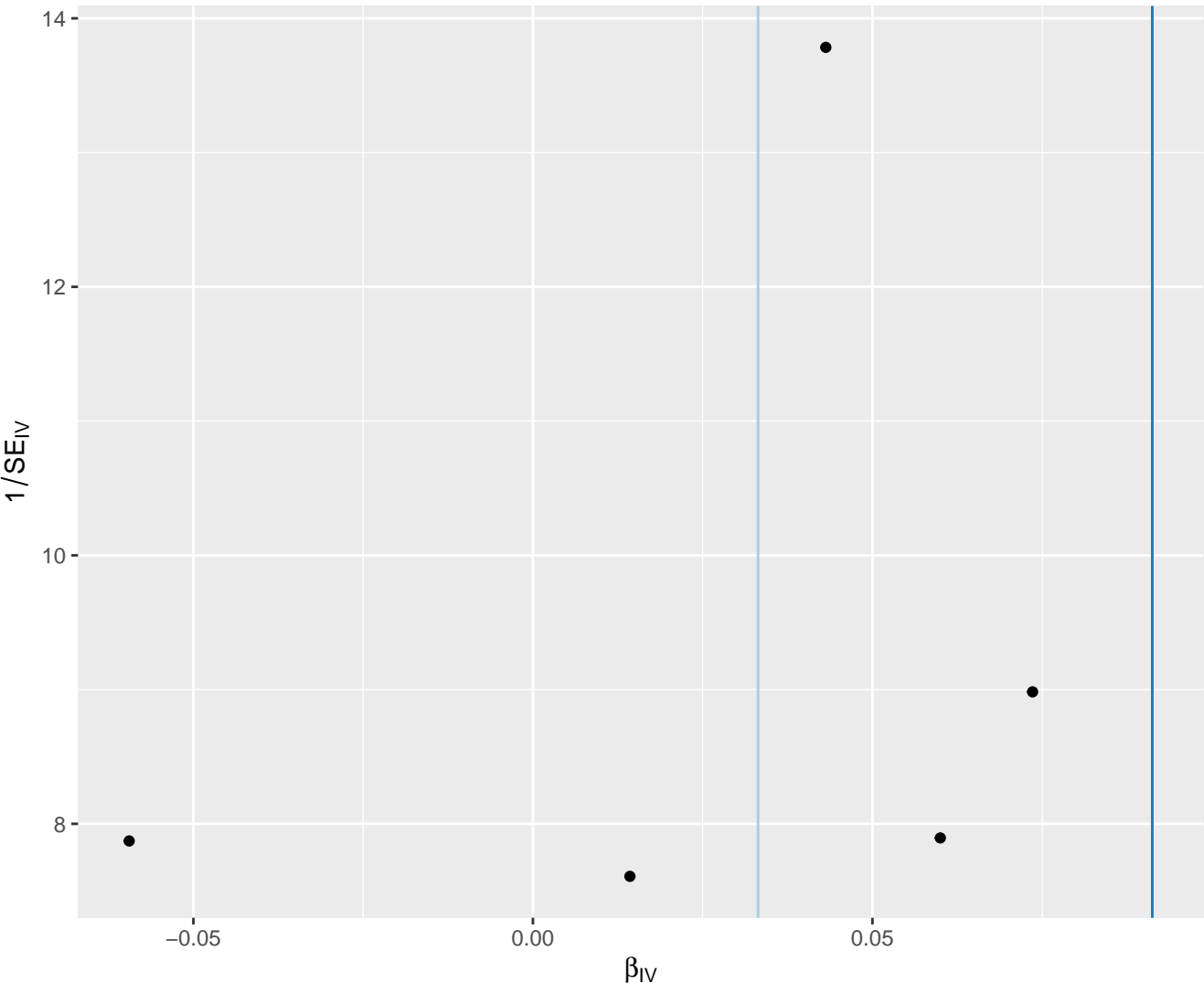
# Estrone 3-sulfate

MR Method



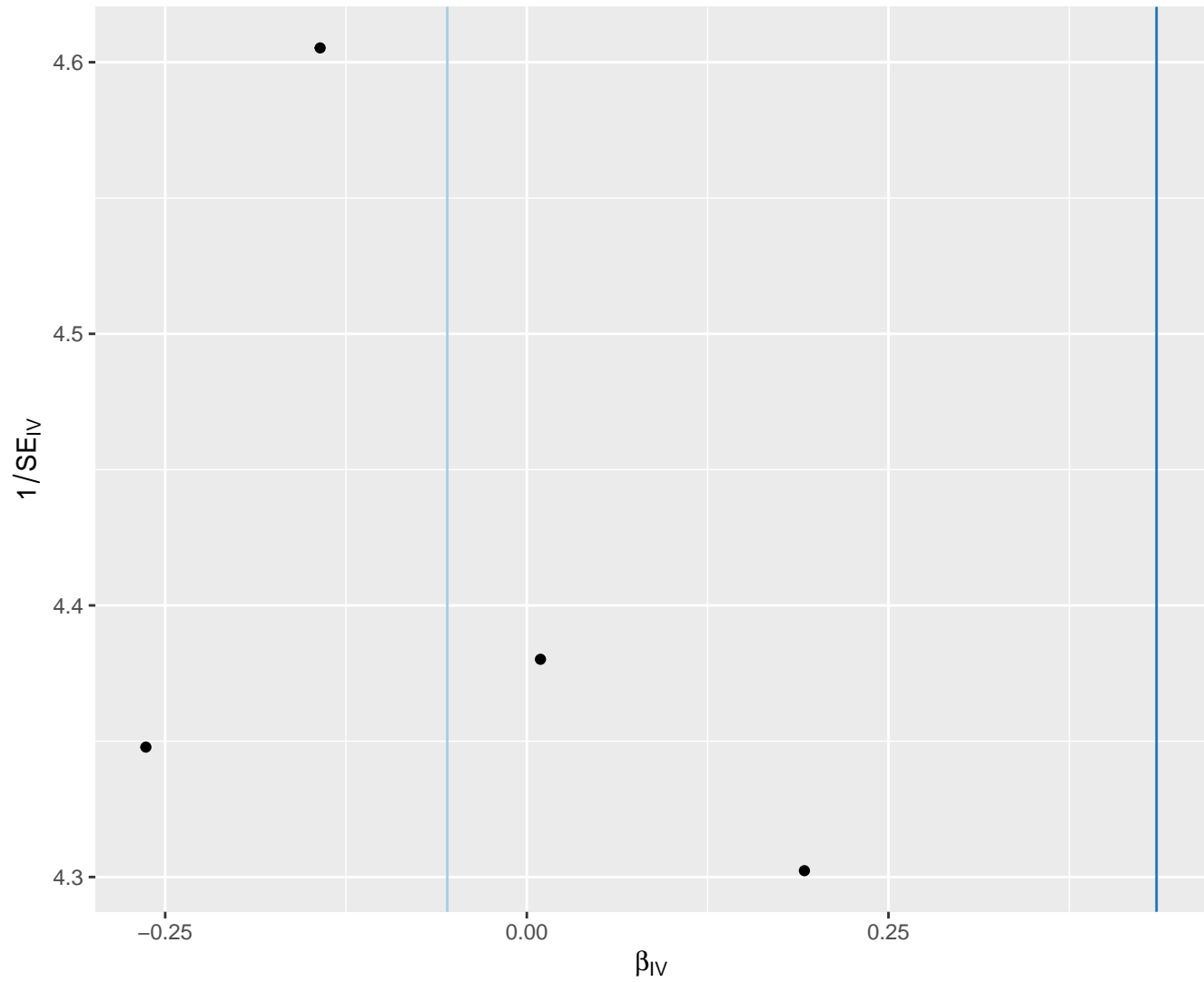
# Fructose

MR Method



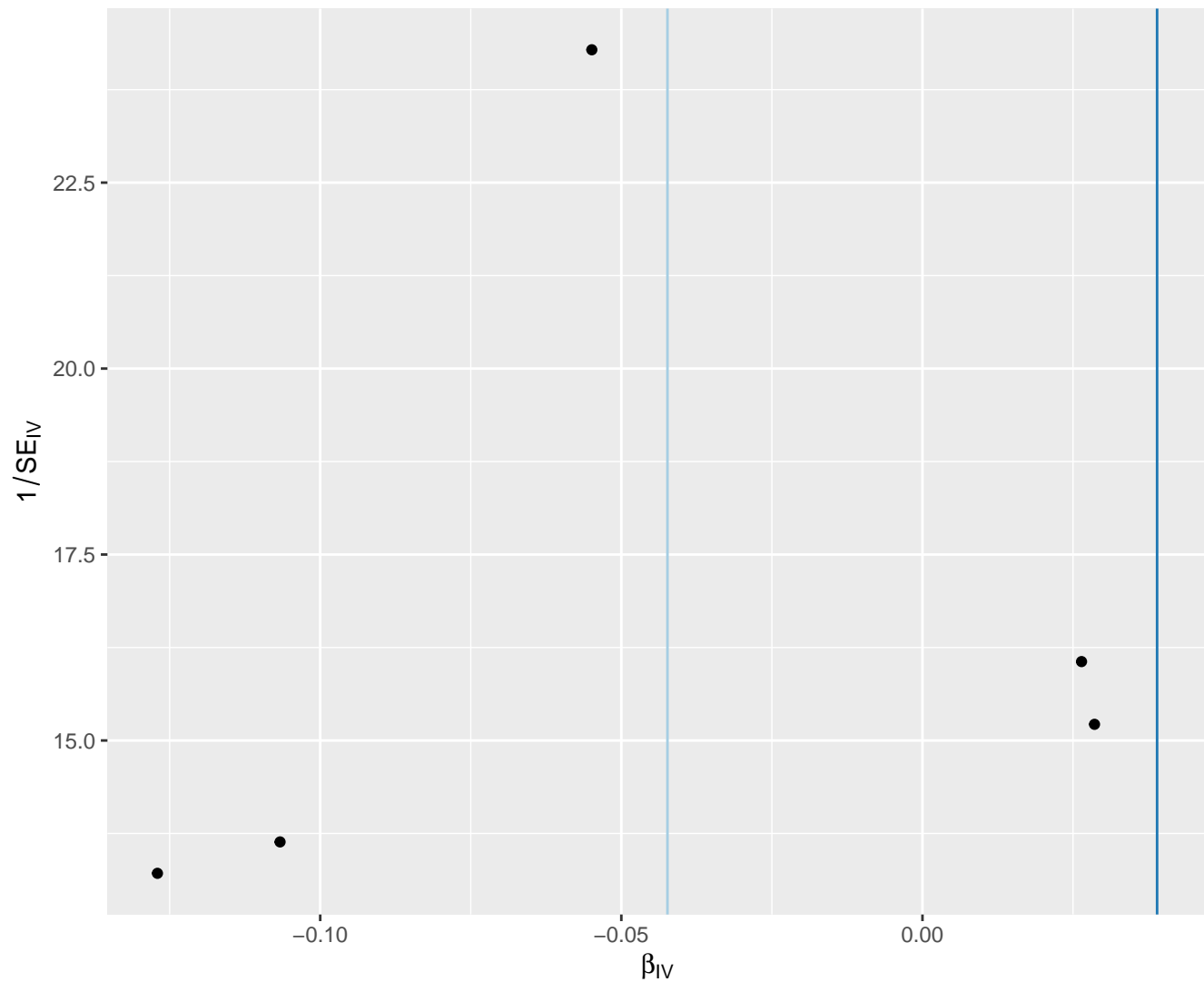
# Gamma-glutamylglutamate

MR Method



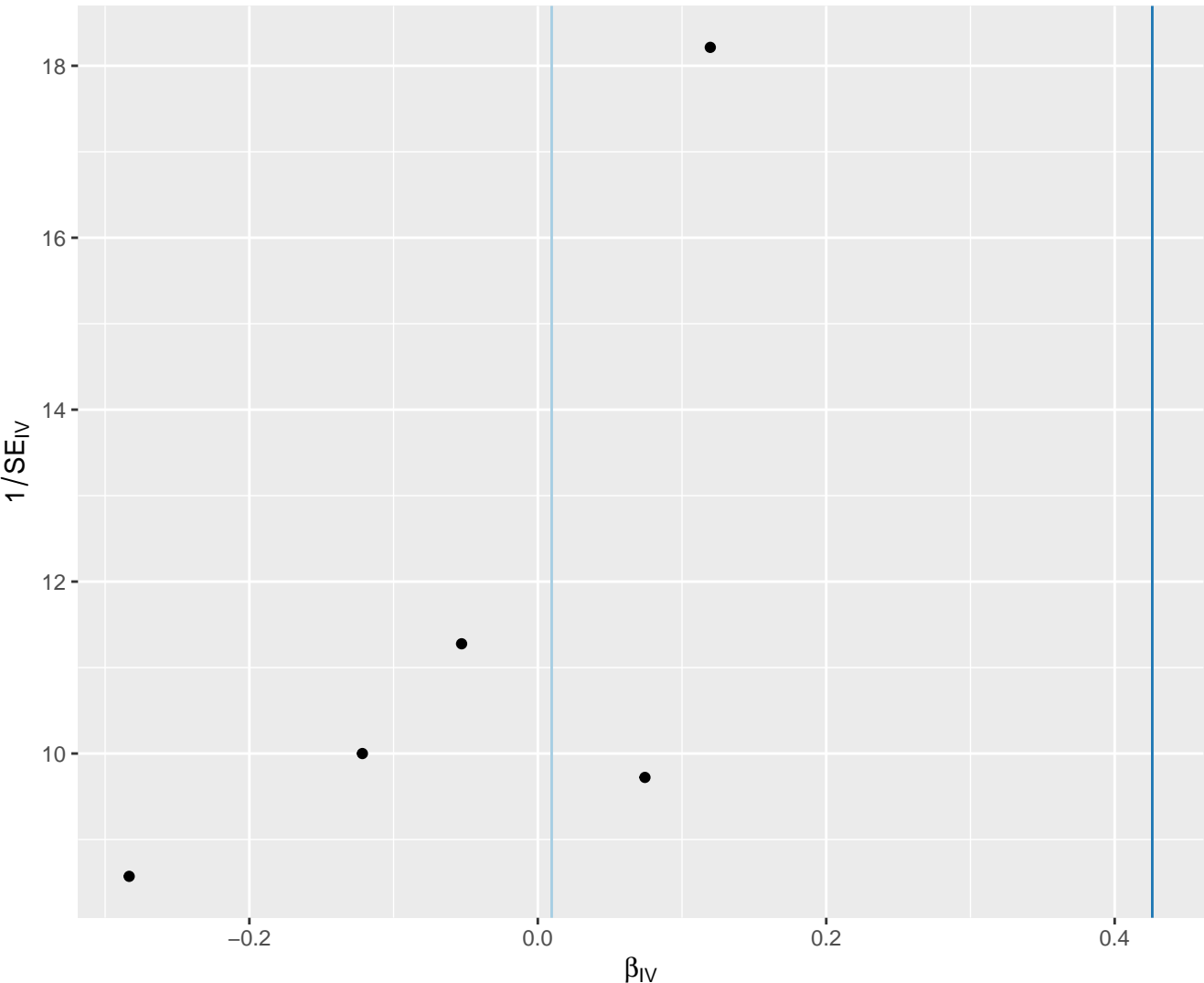
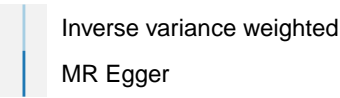
# Gamma-glutamylglutamine

MR Method



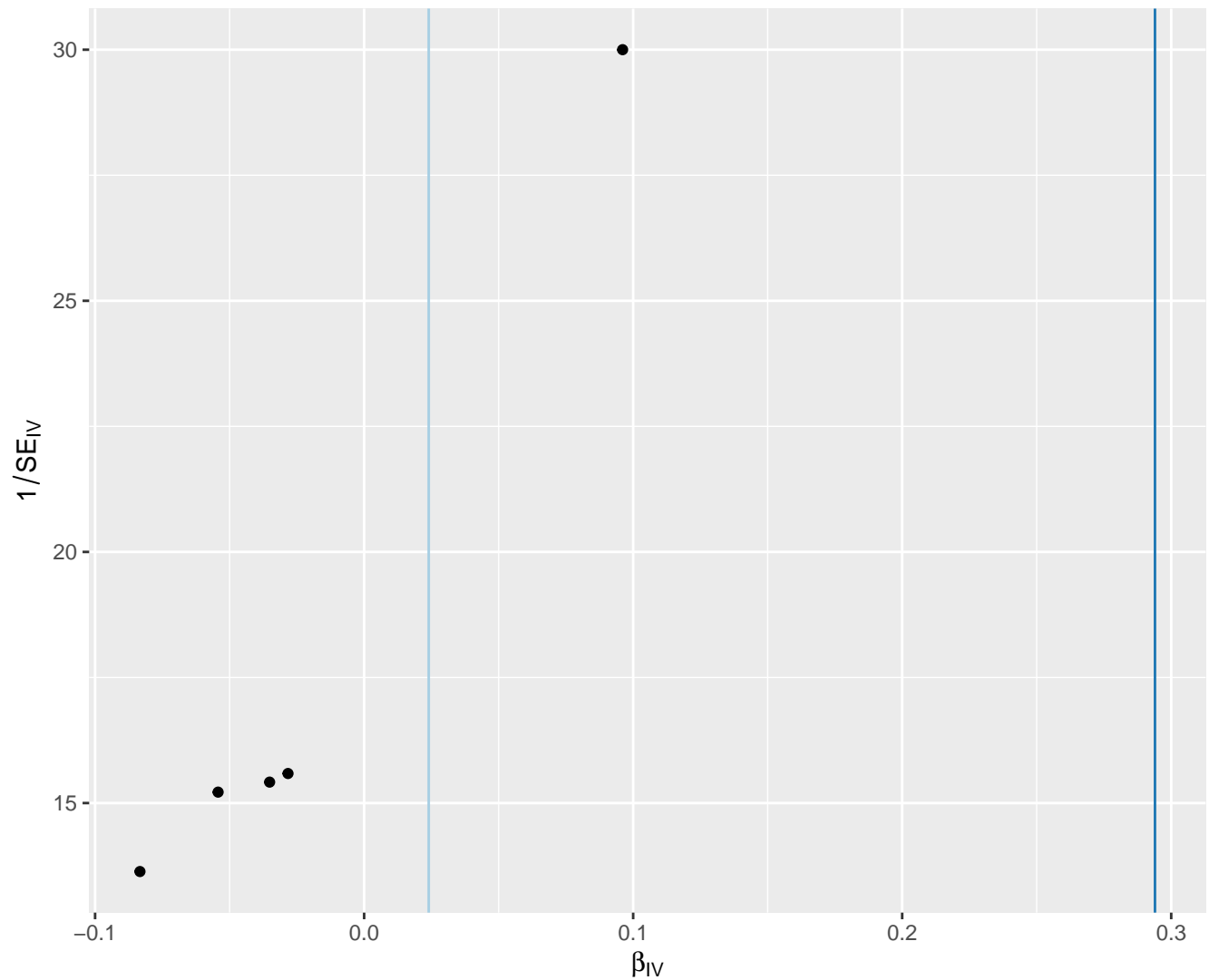
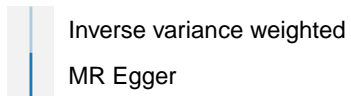
Gamma-glutamylisoleucine\*

MR Method



# Gamma-glutamylleucine

MR Method





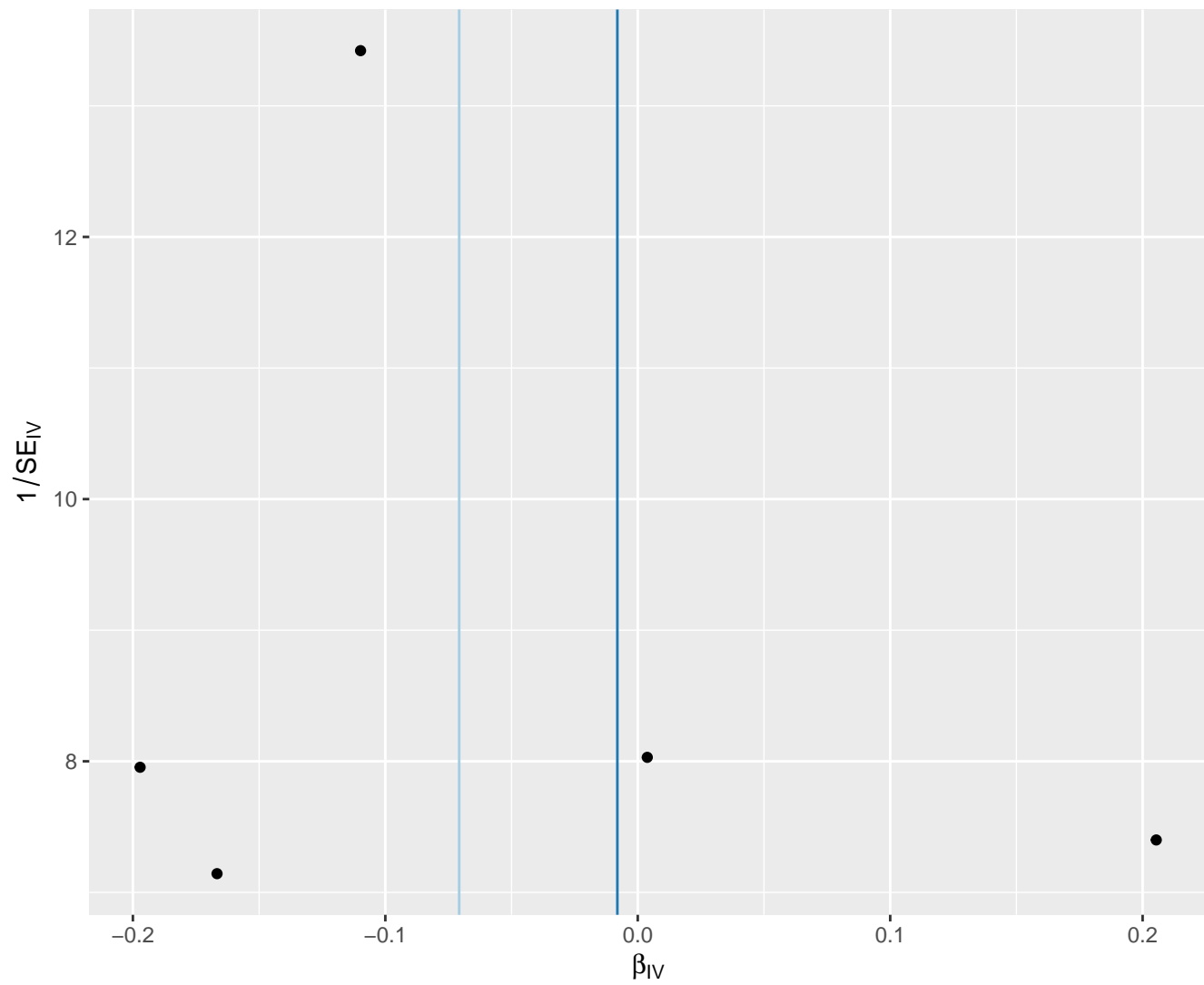
# Gamma-glutamylmethionine\*

MR Method



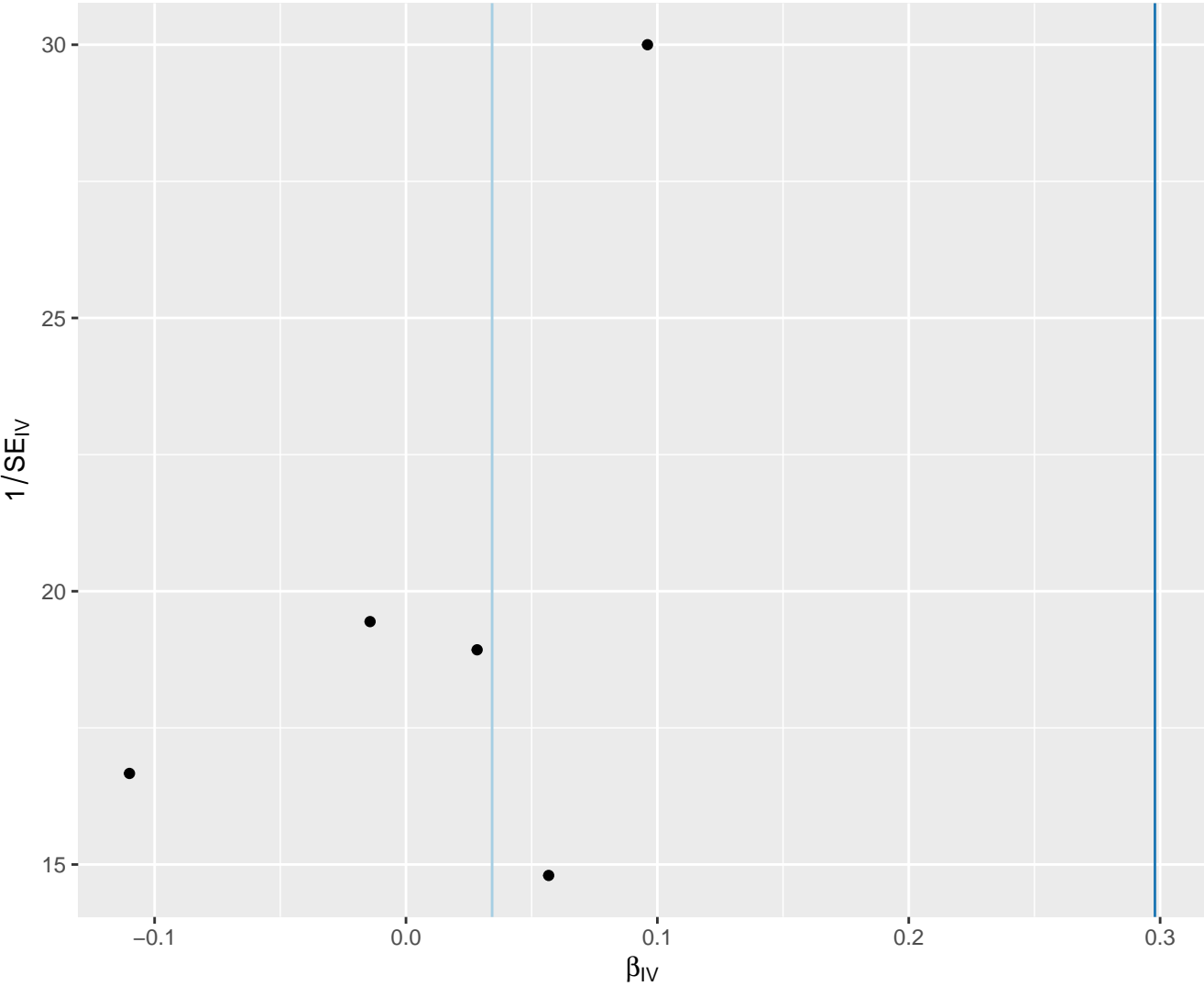
Inverse variance weighted

MR Egger



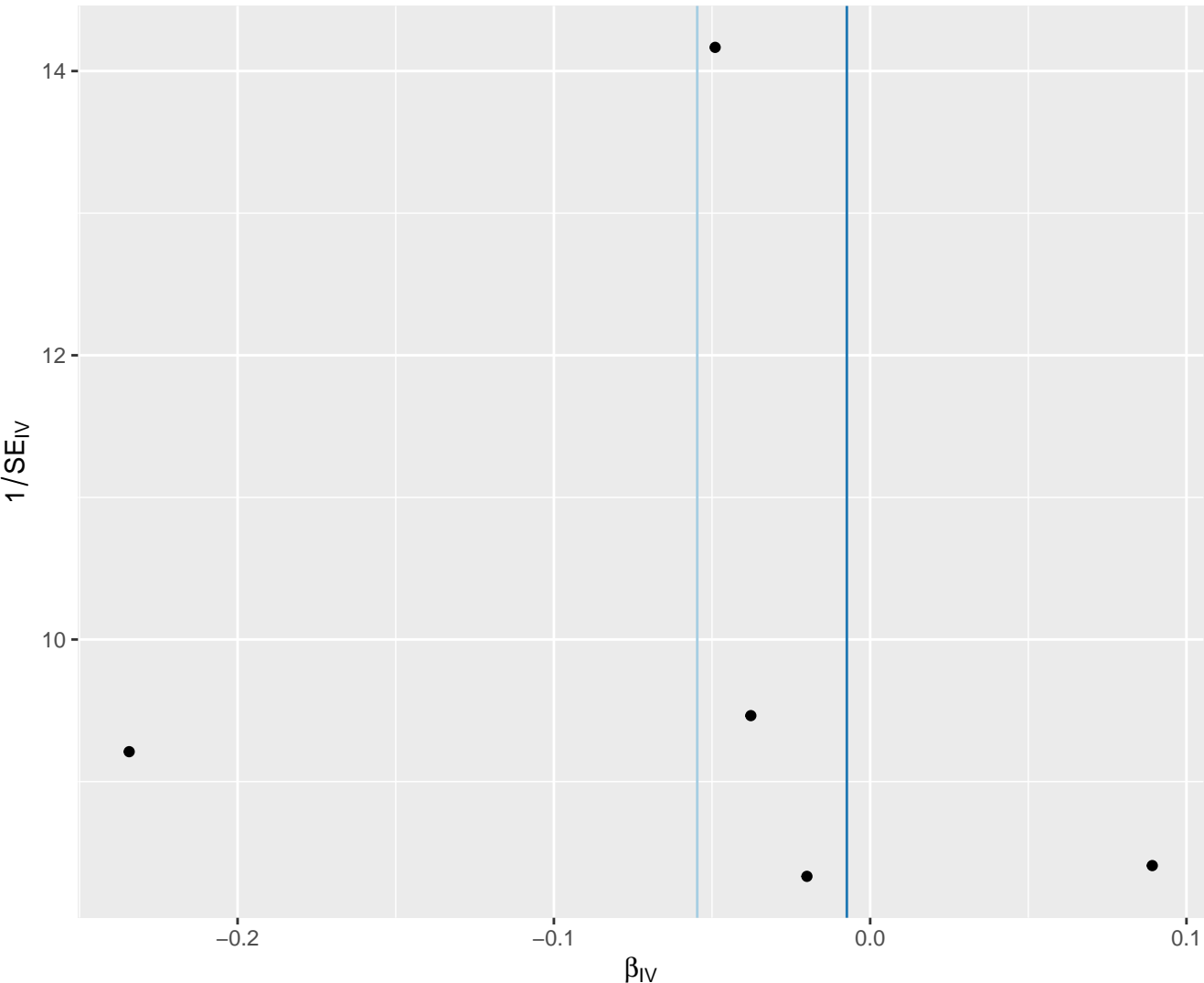
# Gamma-glutamylphenylalanine

MR Method



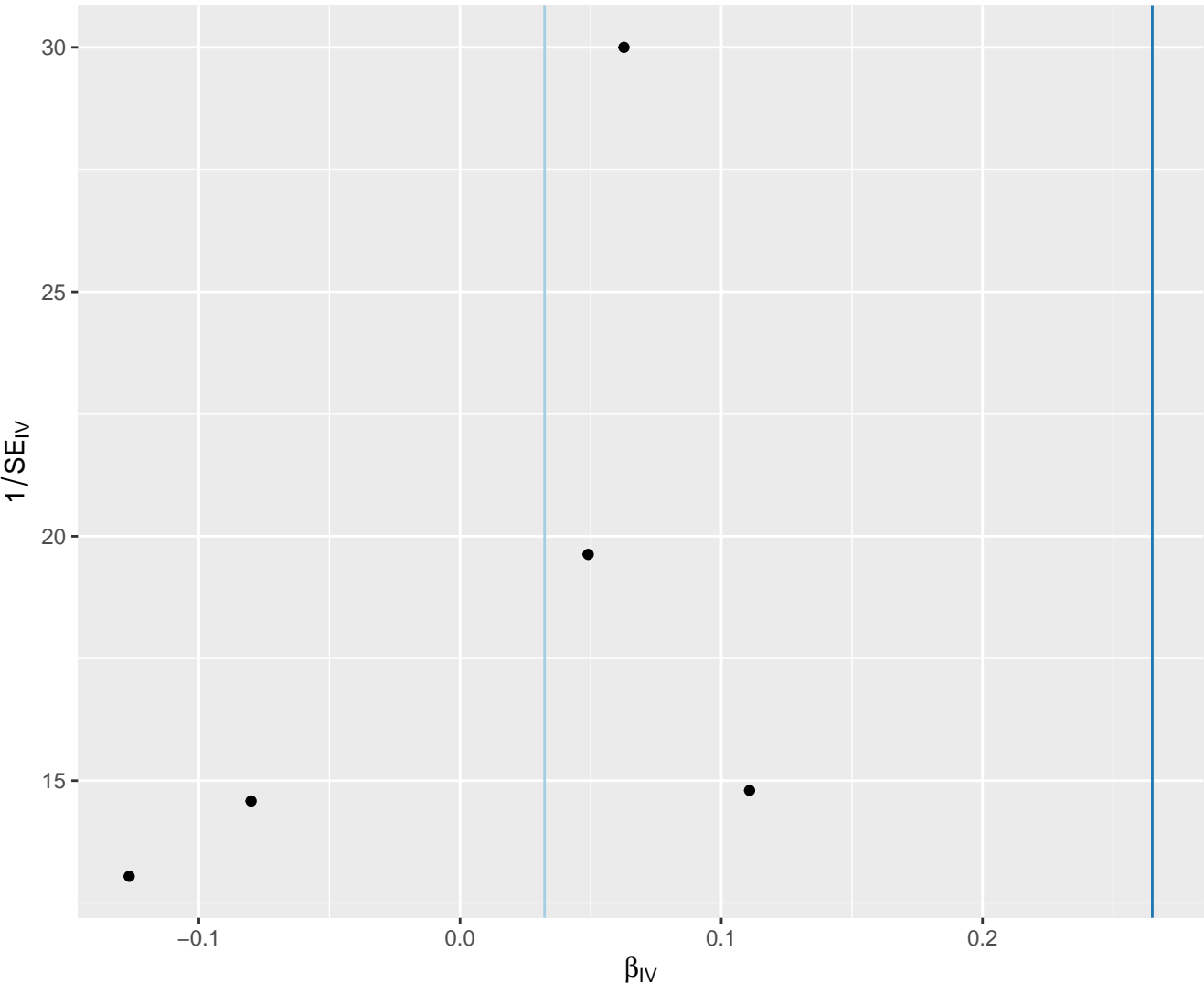
Gamma-glutamylthreonine\*

MR Method



# Gamma-glutamyltyrosine

MR Method

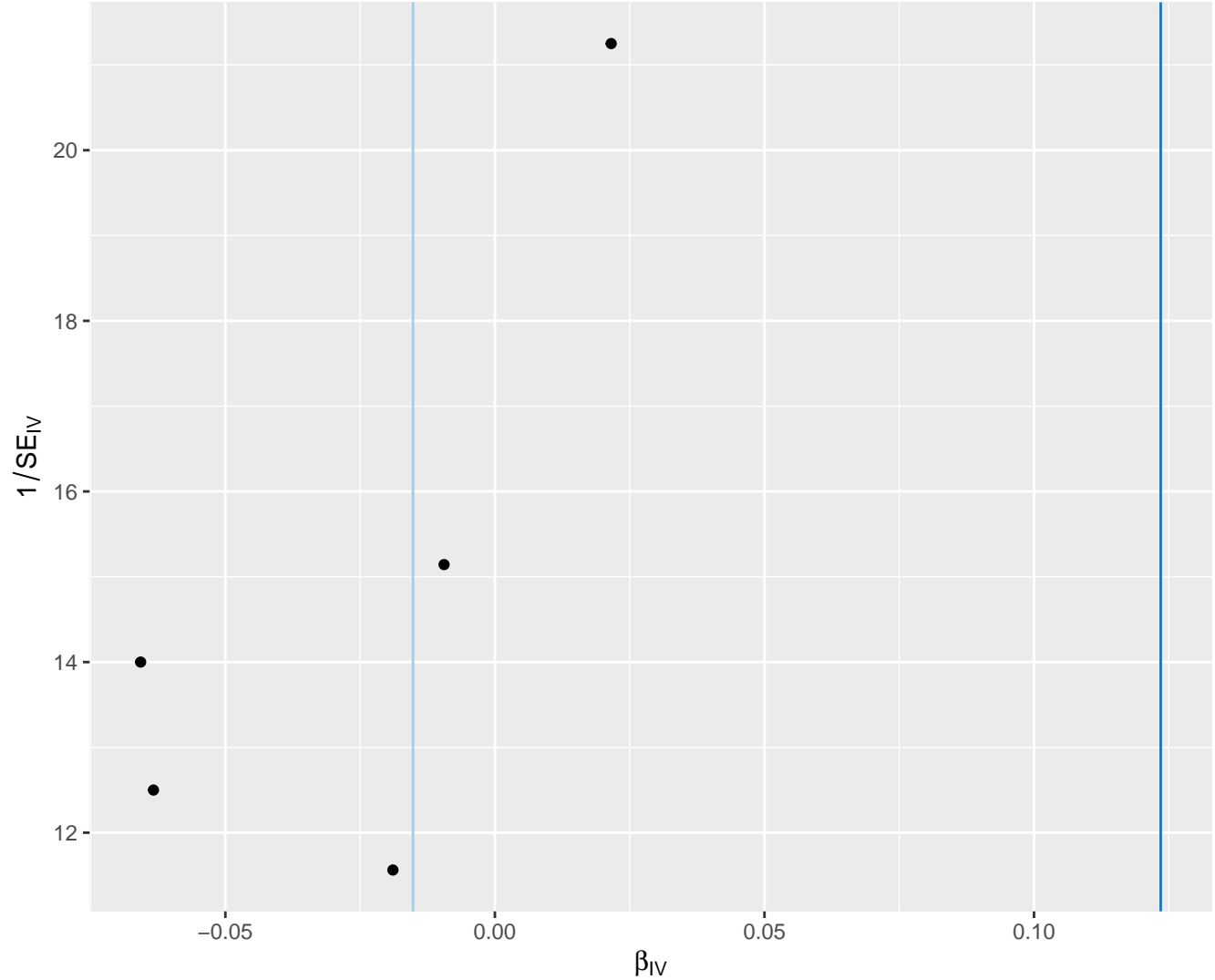


# Gamma-glutamylvaline

MR Method

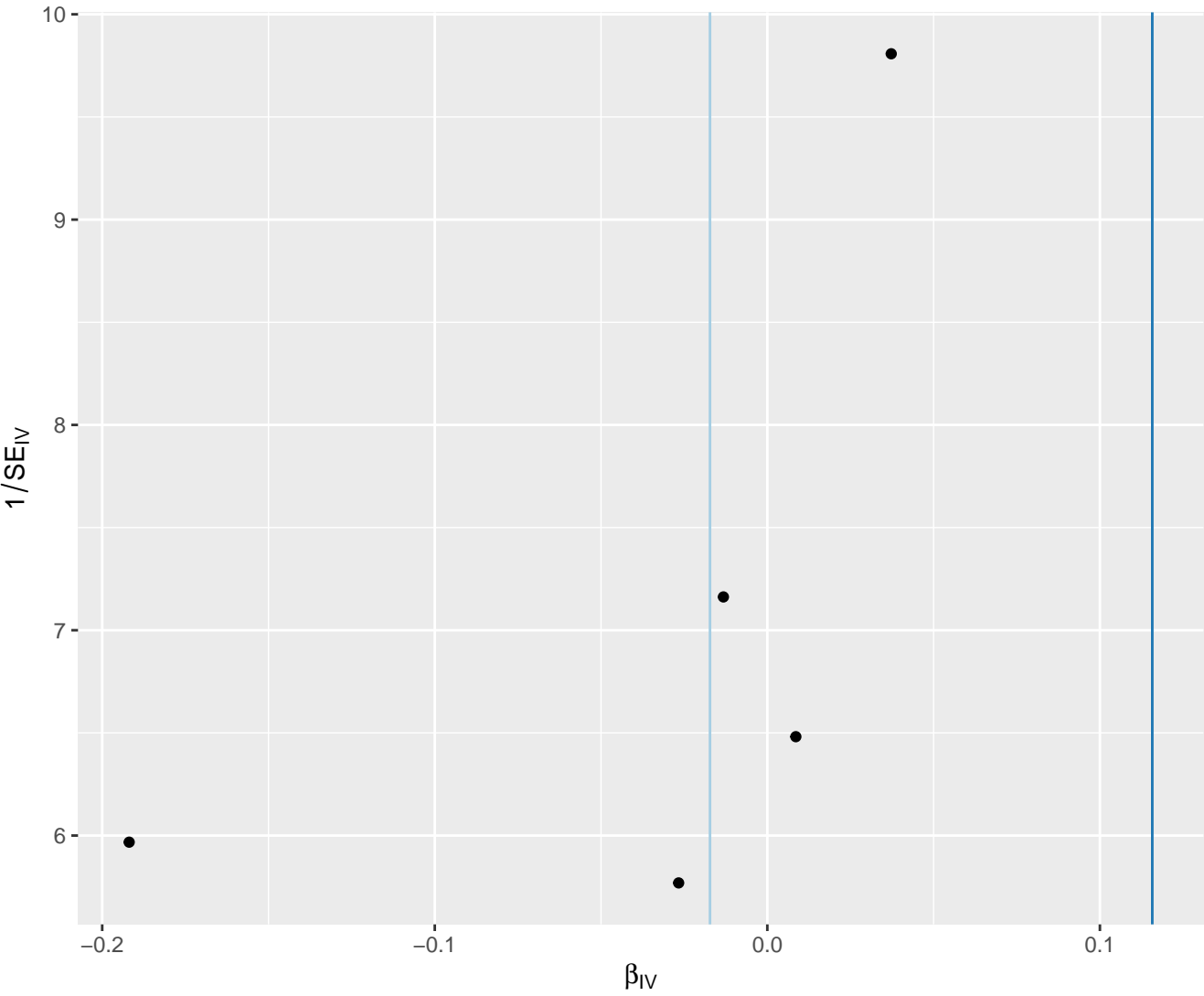
Inverse variance weighted

MR Egger



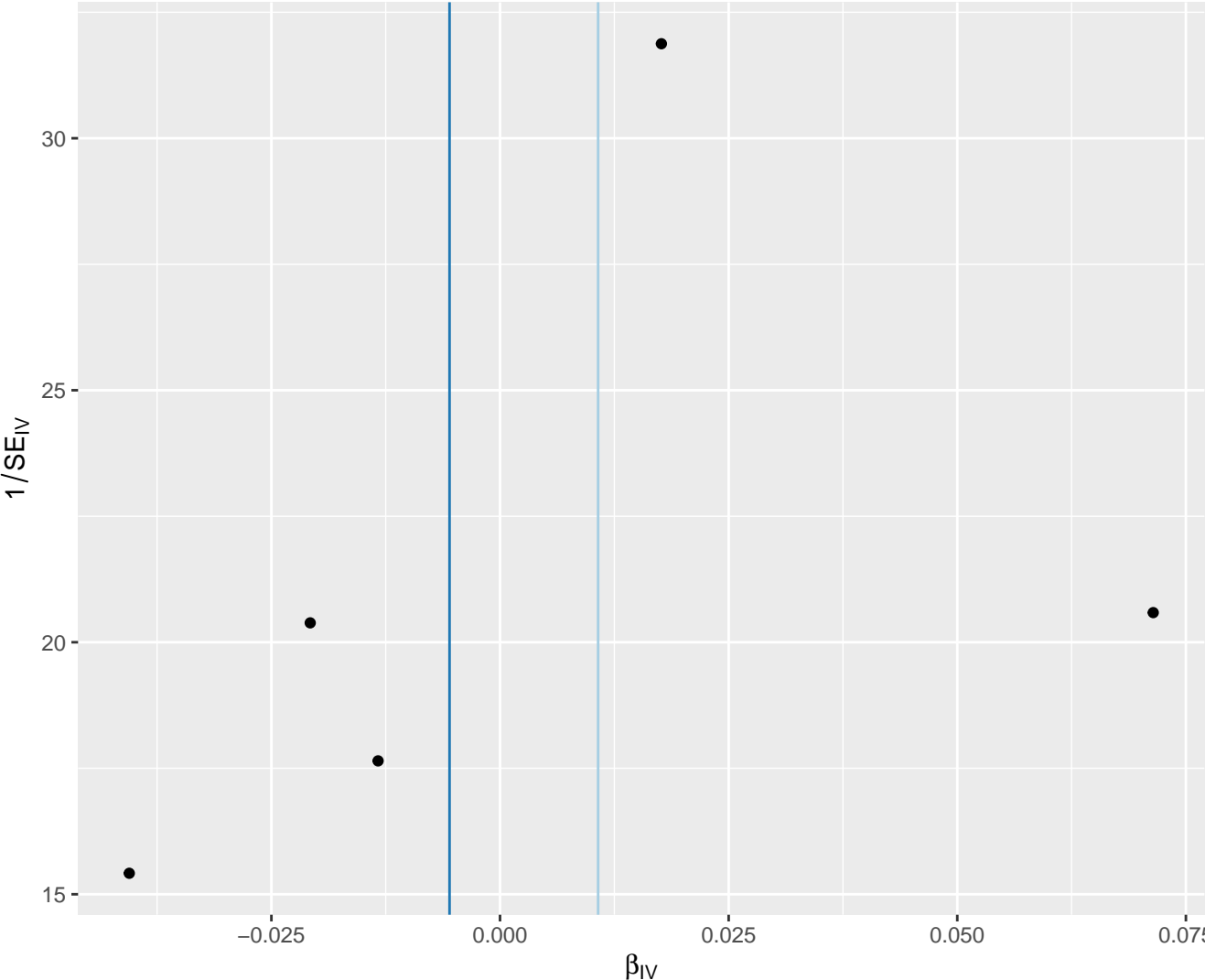
# Gamma-tocopherol

MR Method



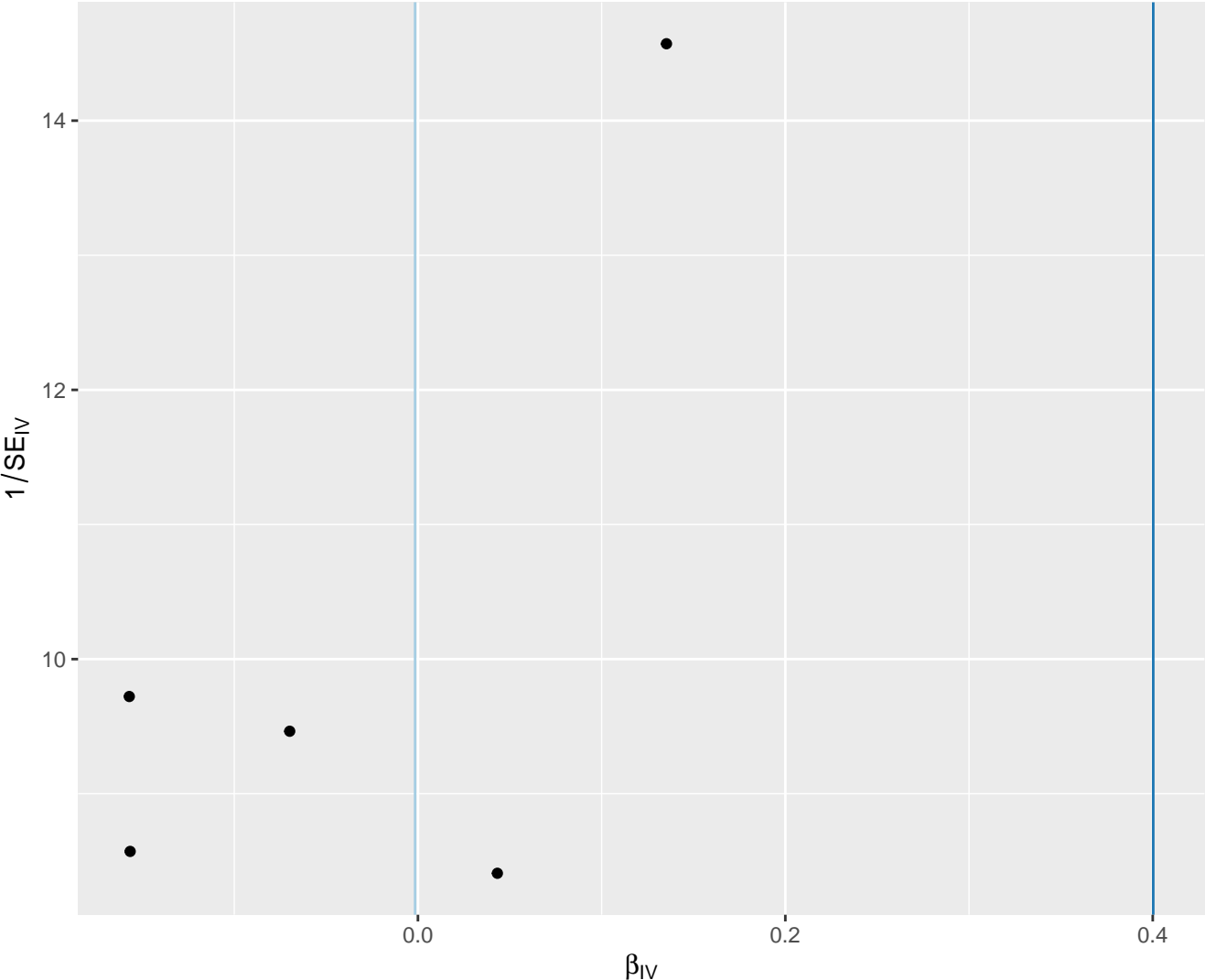
# Glucose

MR Method



# Glutamate

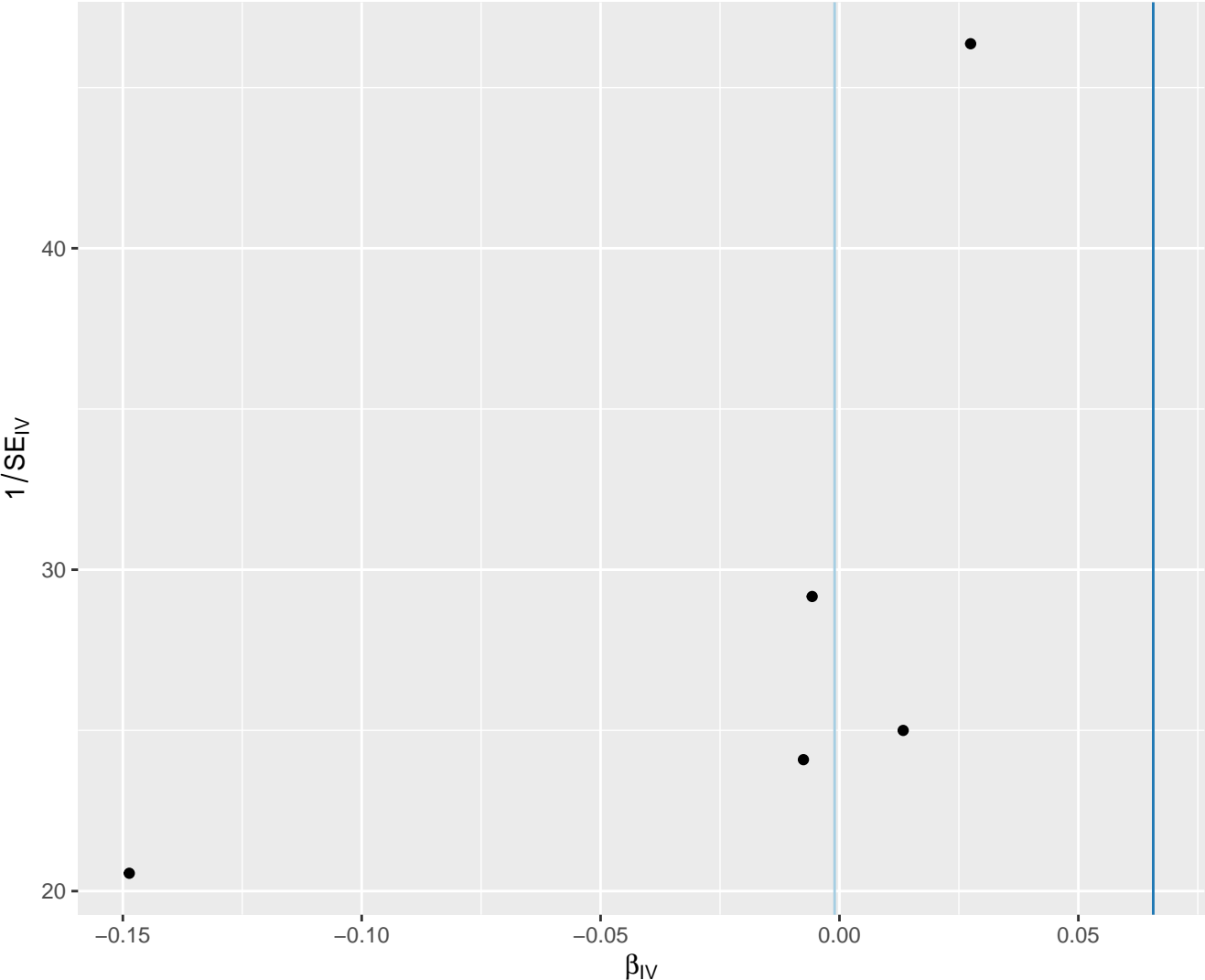
MR Method



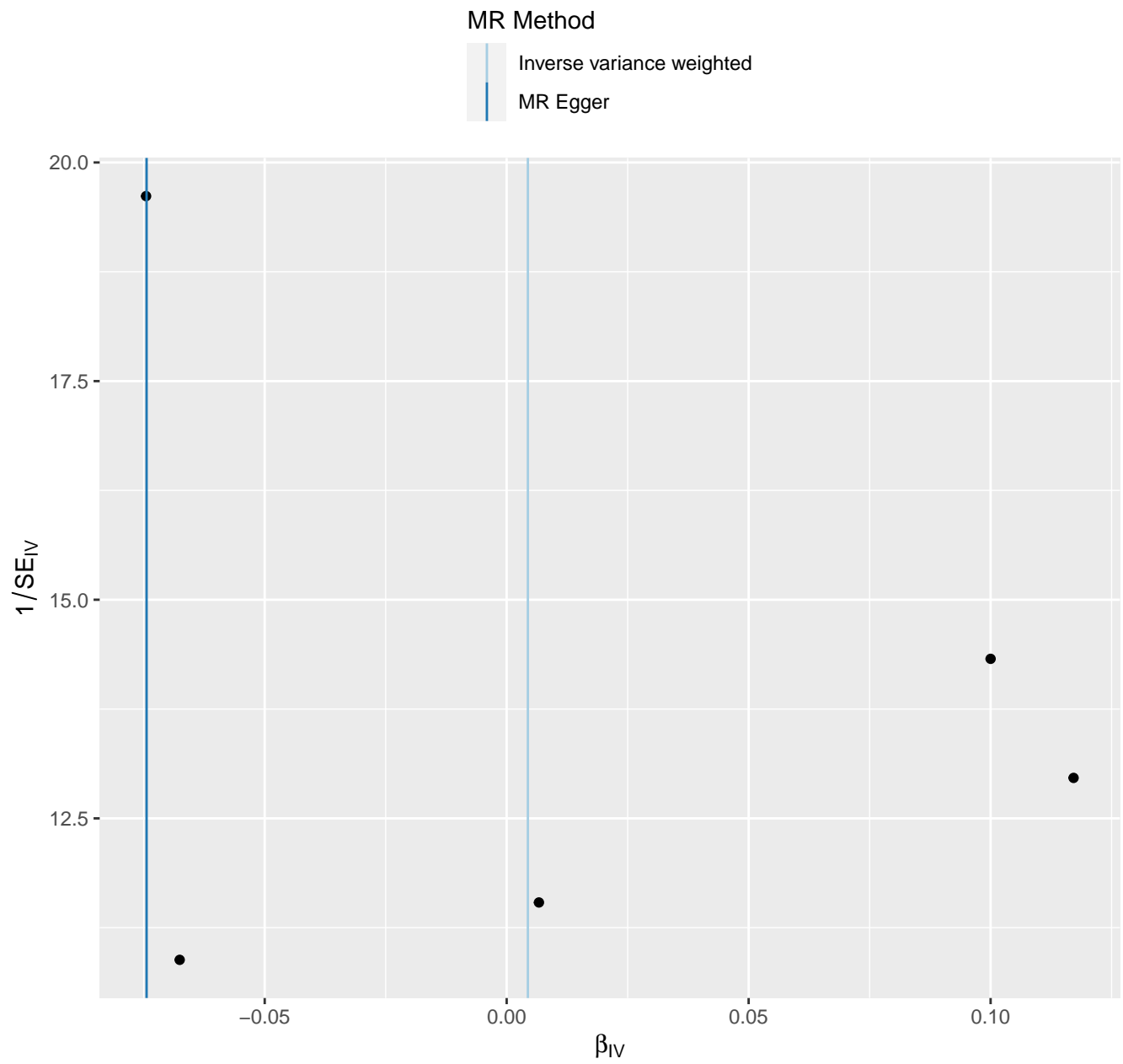


# Glutamine

MR Method

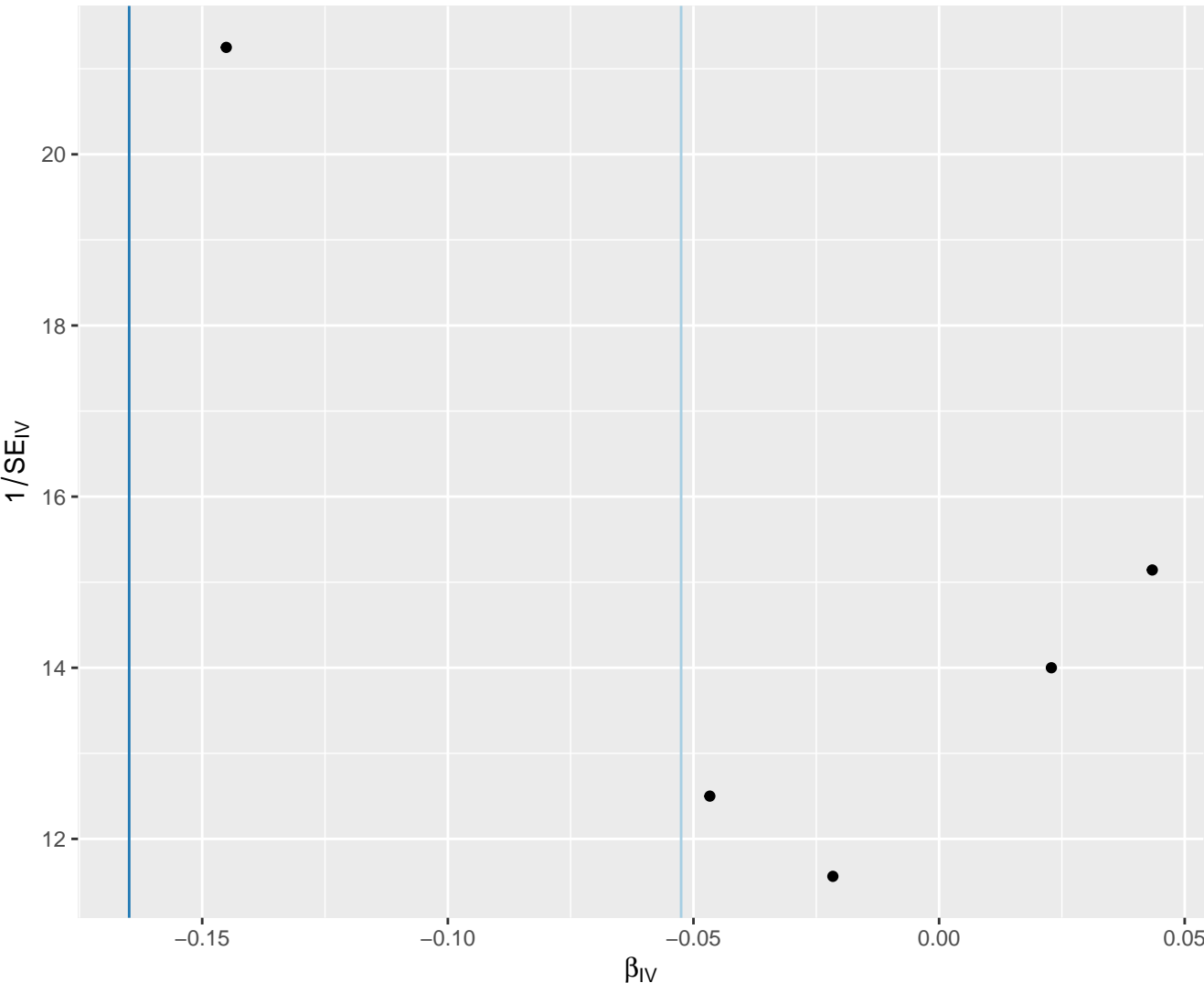


# Glutaroyl carnitine



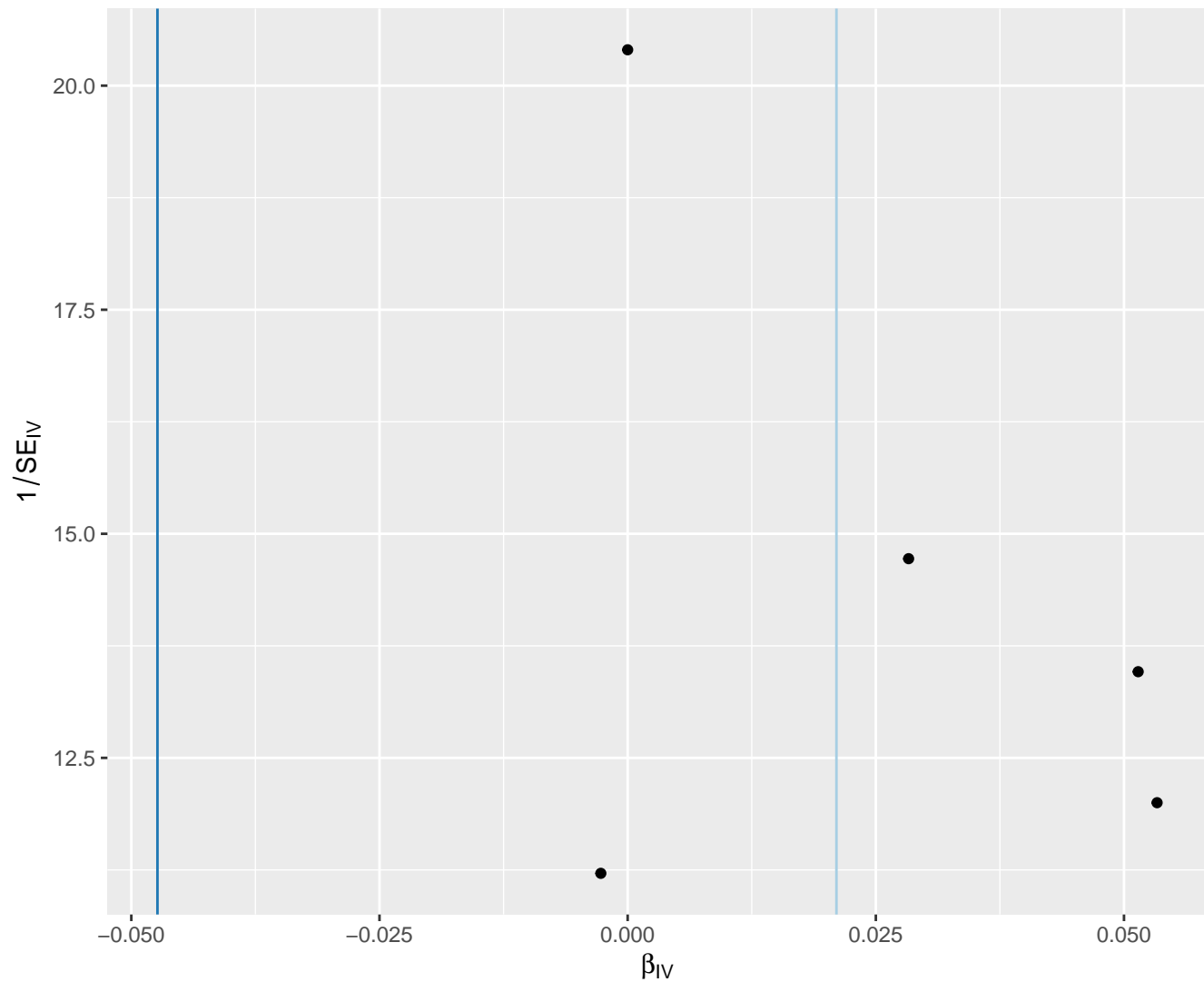
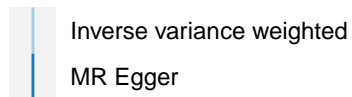
# Glycerate

MR Method

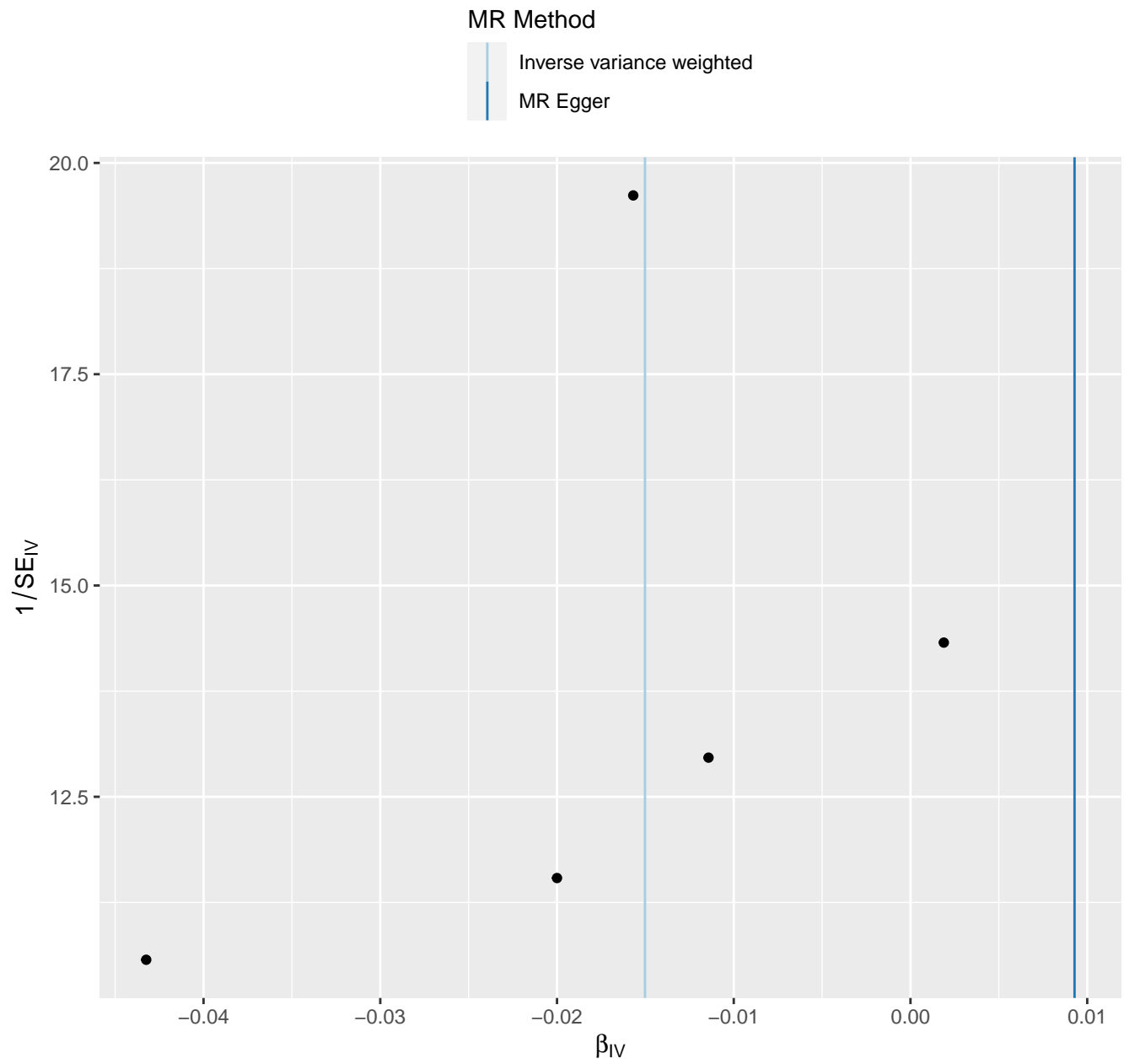


# Glycerol

## MR Method

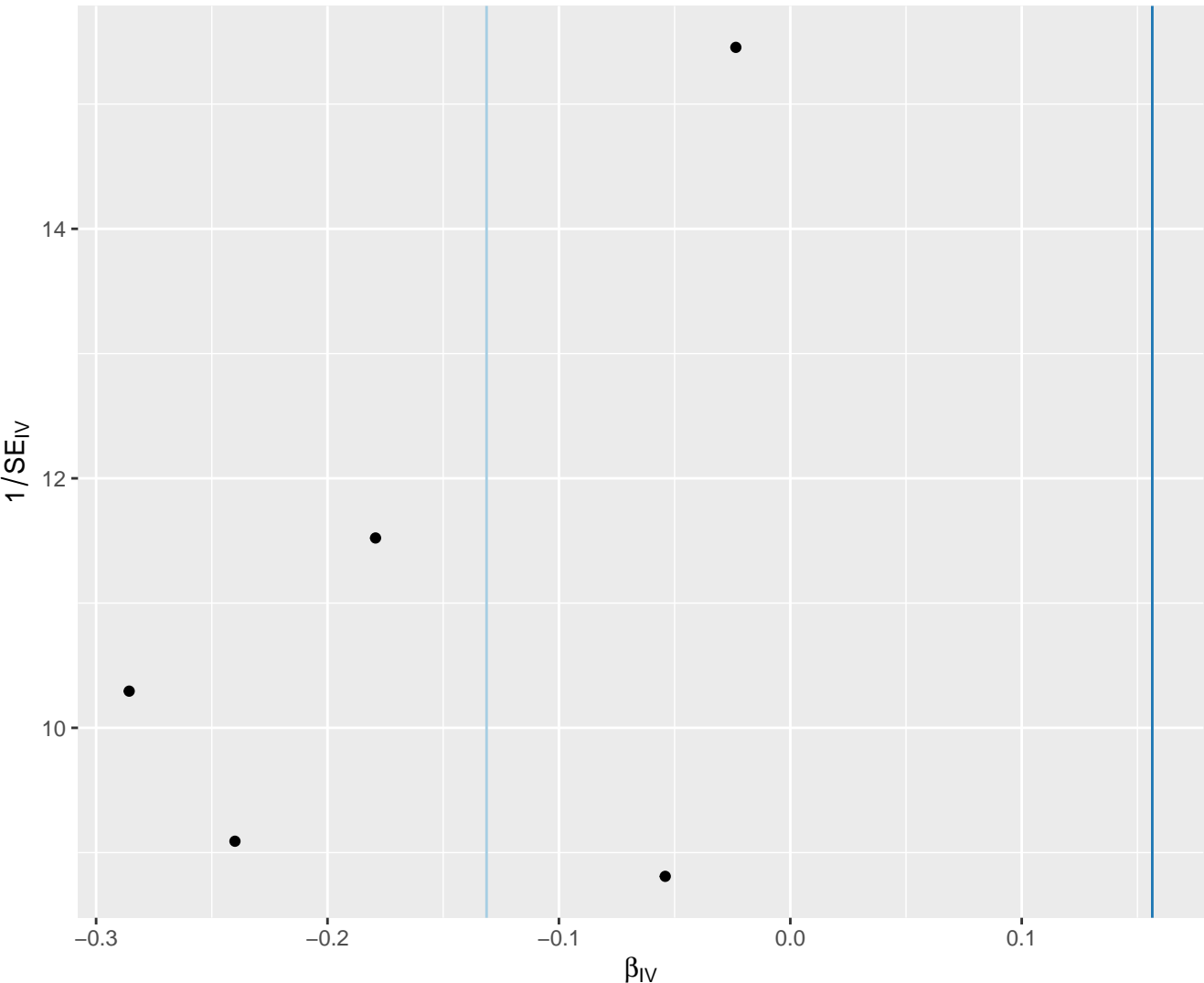


# Glycerol 3-phosphate (G3P)



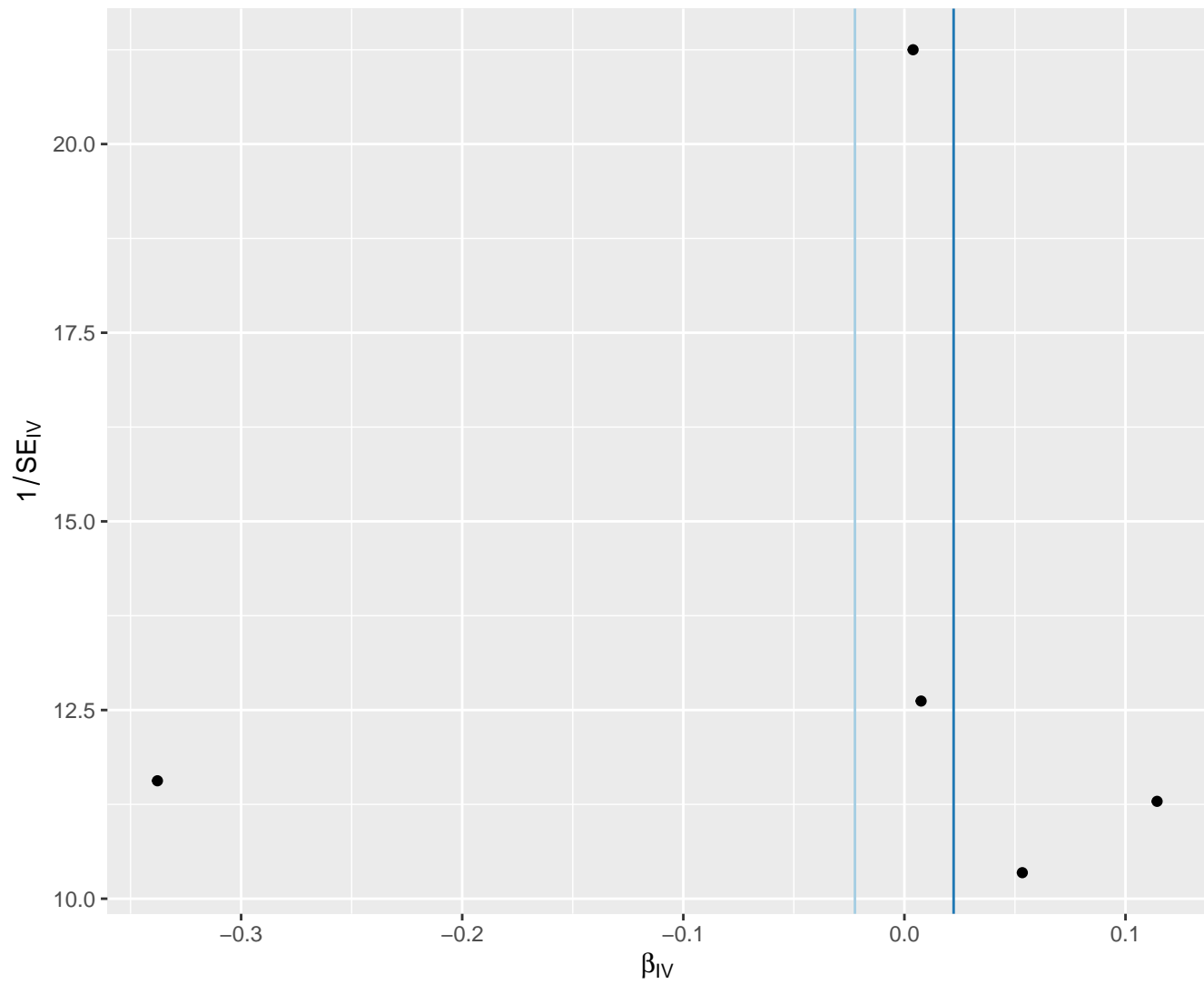
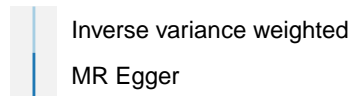
# Glycerophosphorylcholine (GPC)

MR Method



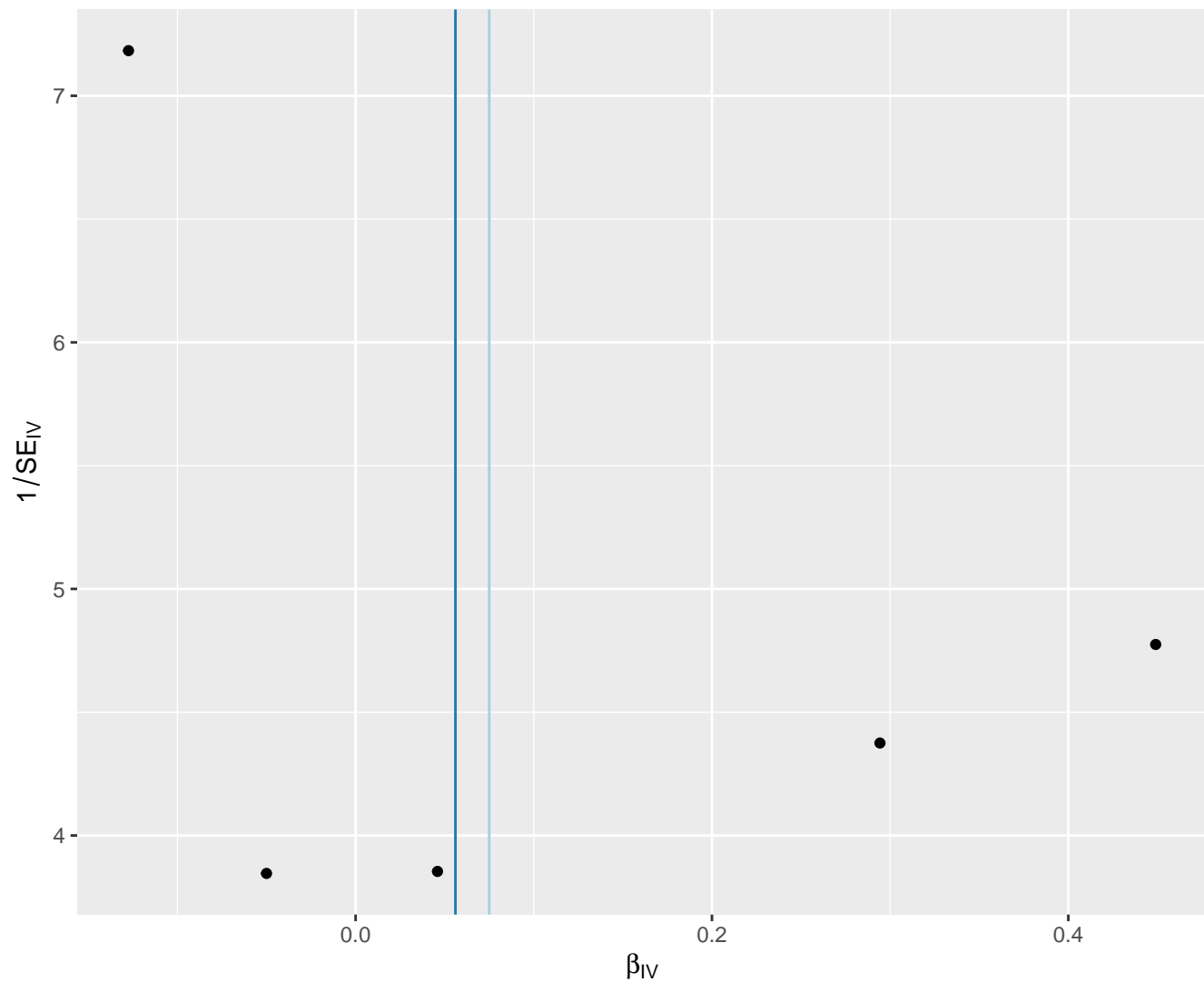
# Glycine

## MR Method



# Glycochenodeoxycholate

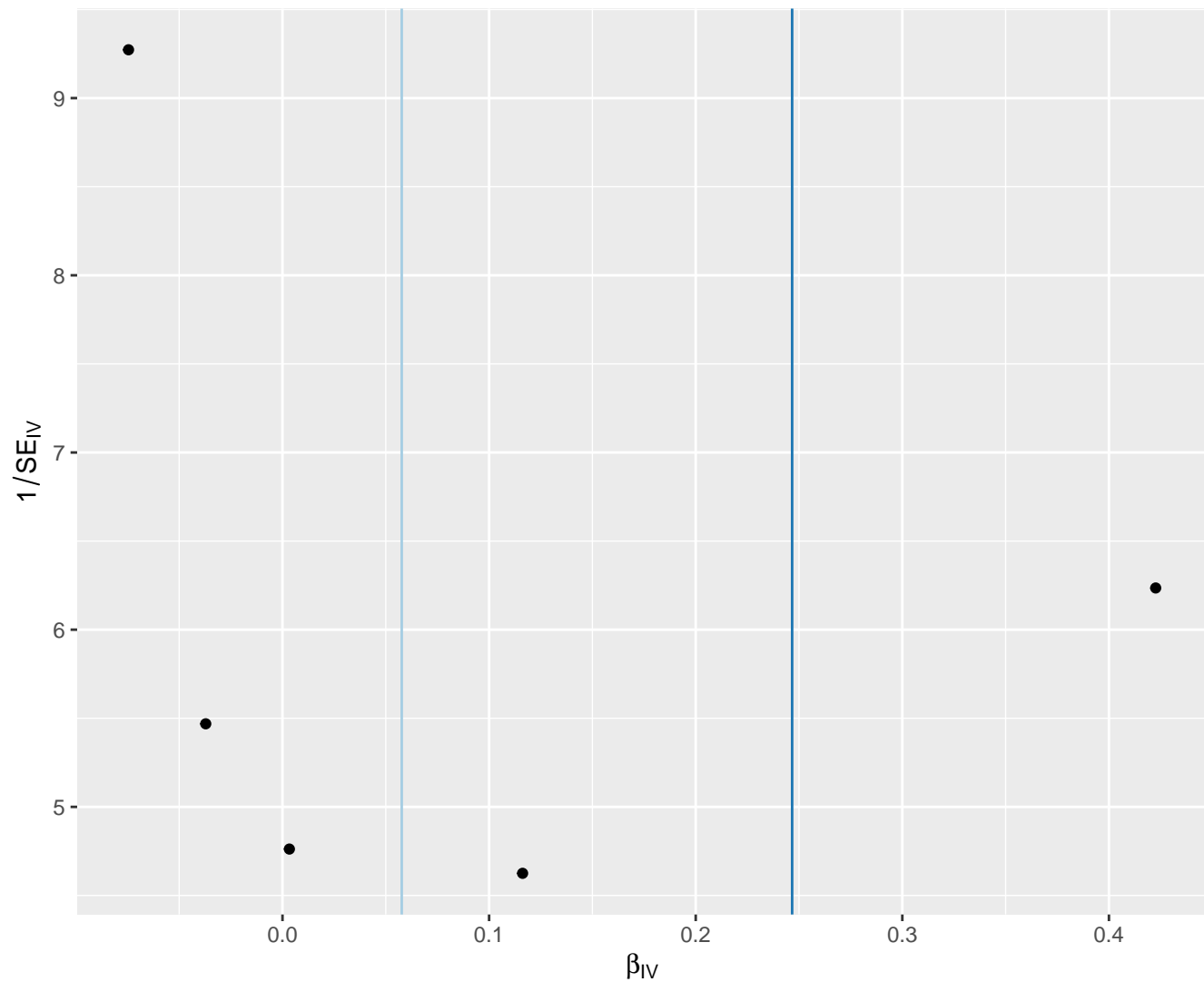
MR Method





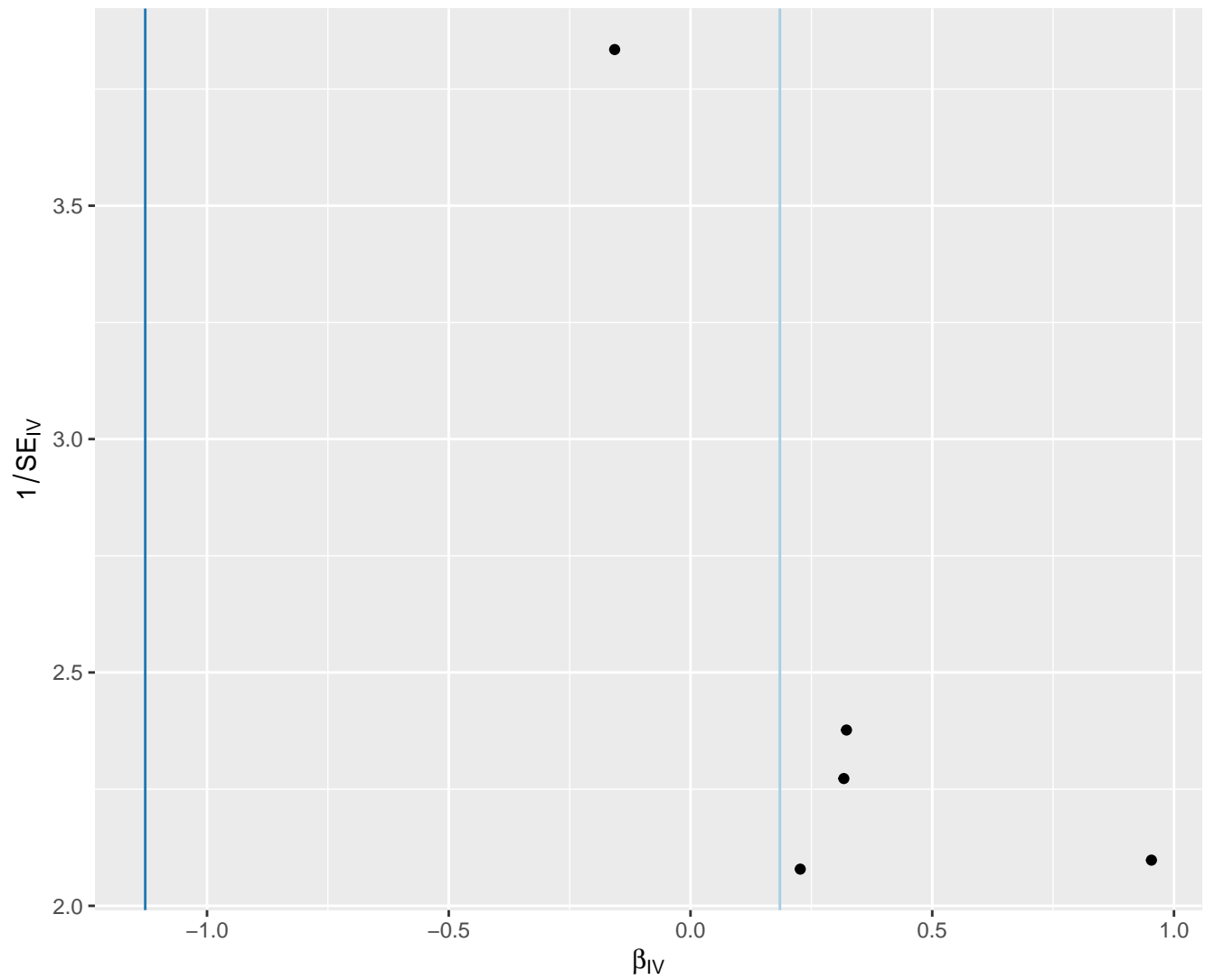
# Glycocholate

MR Method



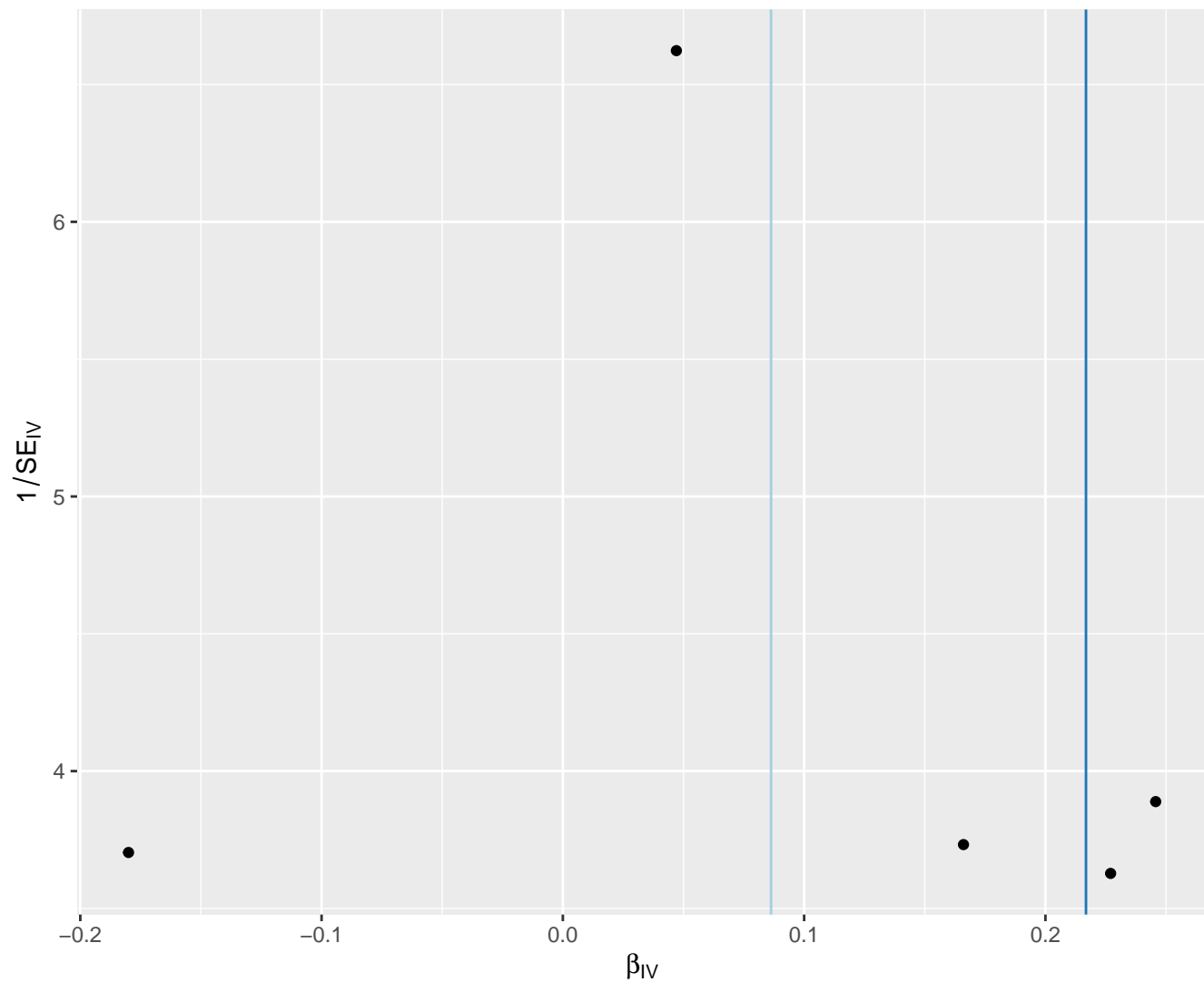
# Glycodeoxycholate

MR Method



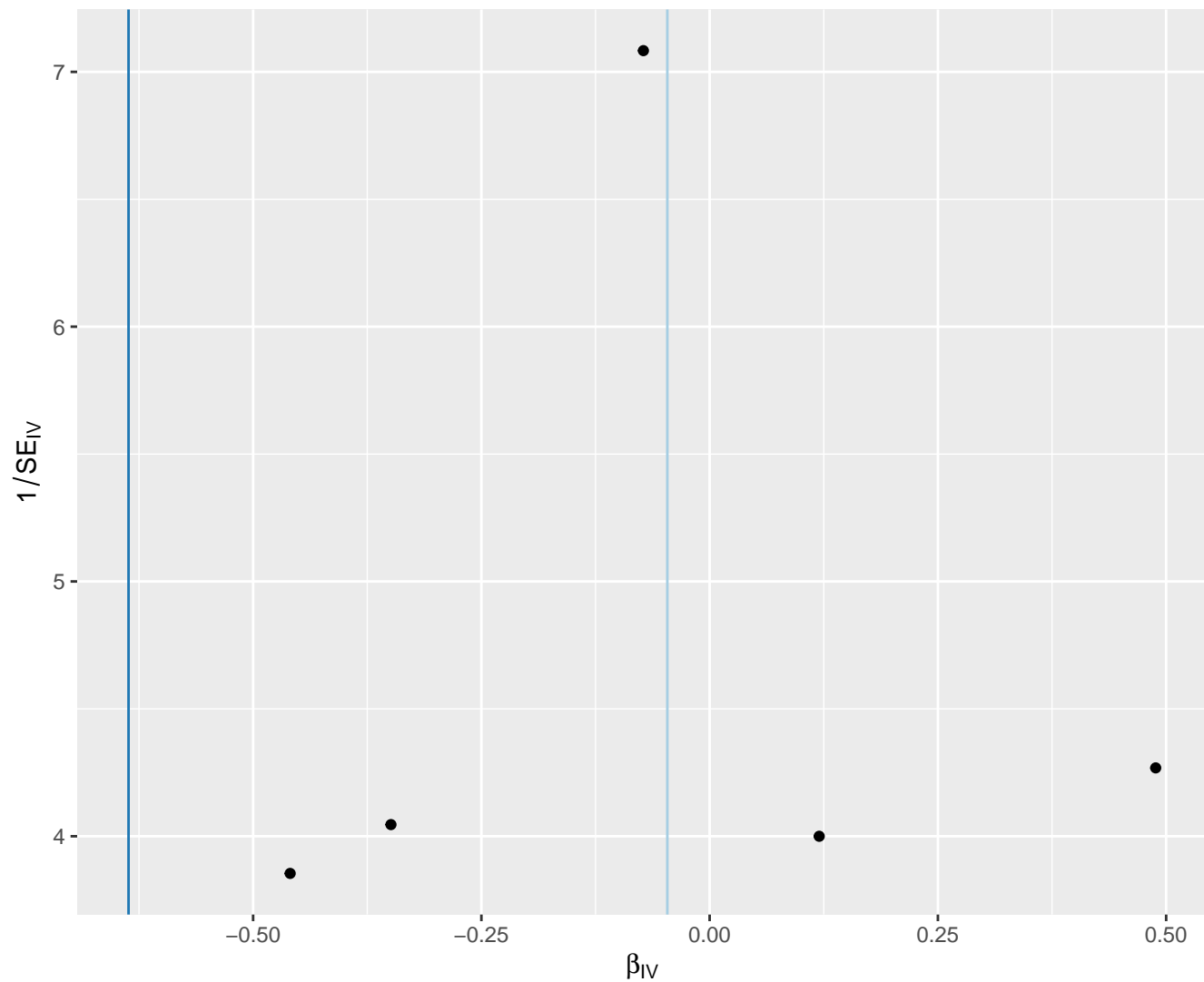
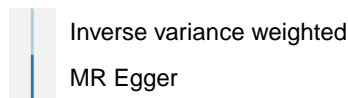
# Glycylvaline

MR Method



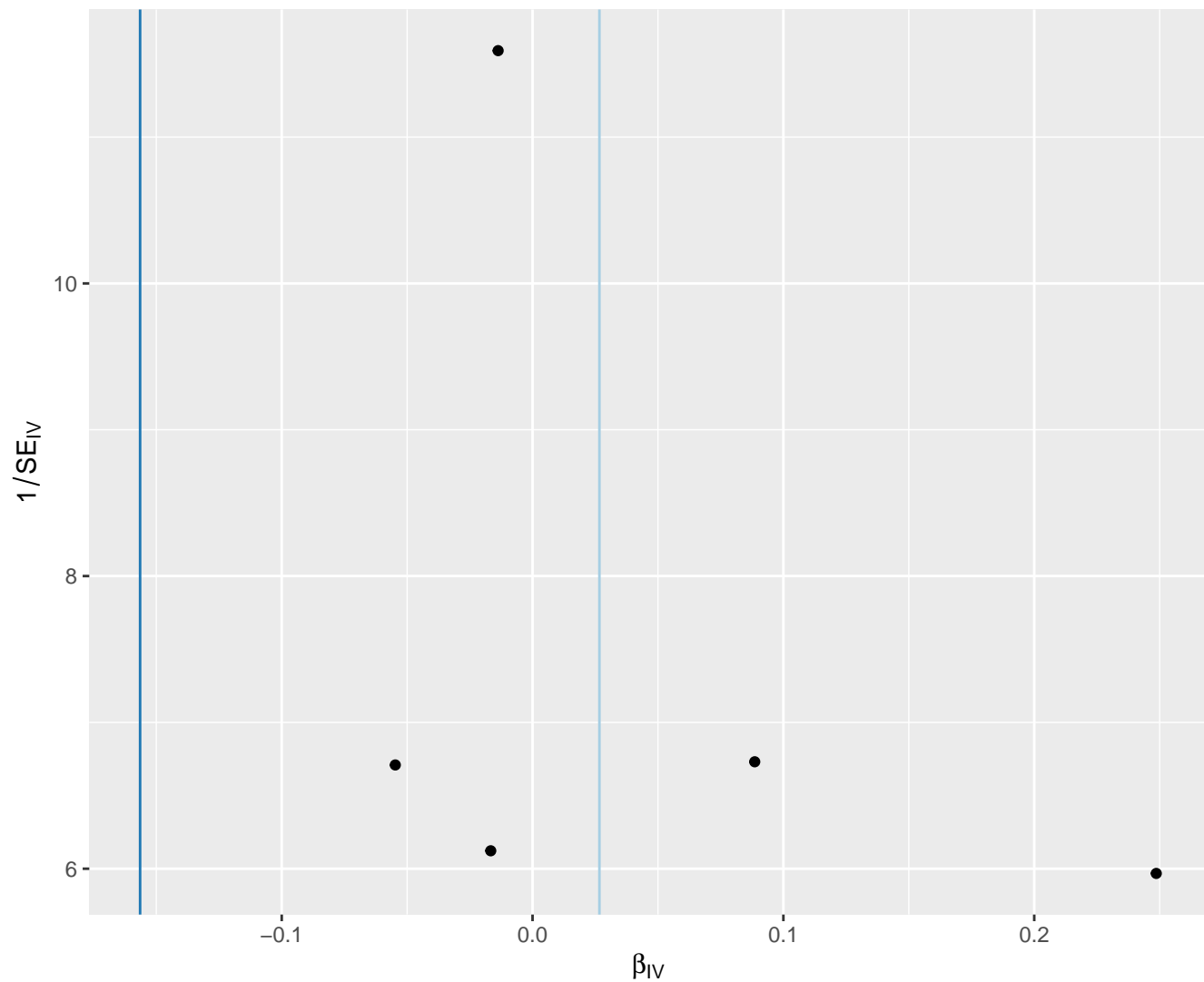
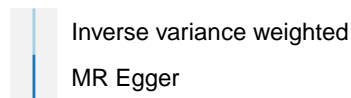
# Guanosine

MR Method



Heme\*

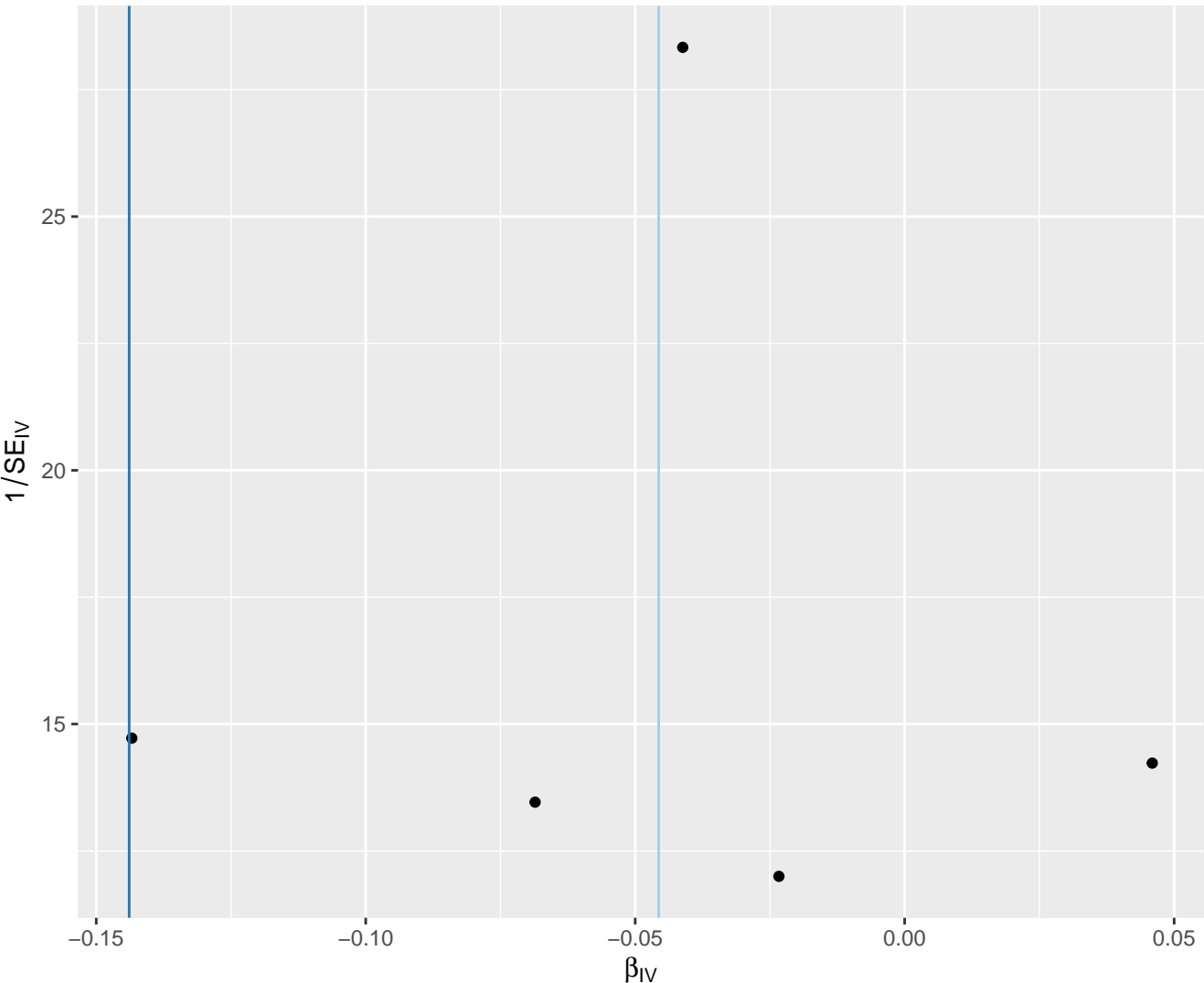
MR Method



# Heptanoate (7:0)

MR Method

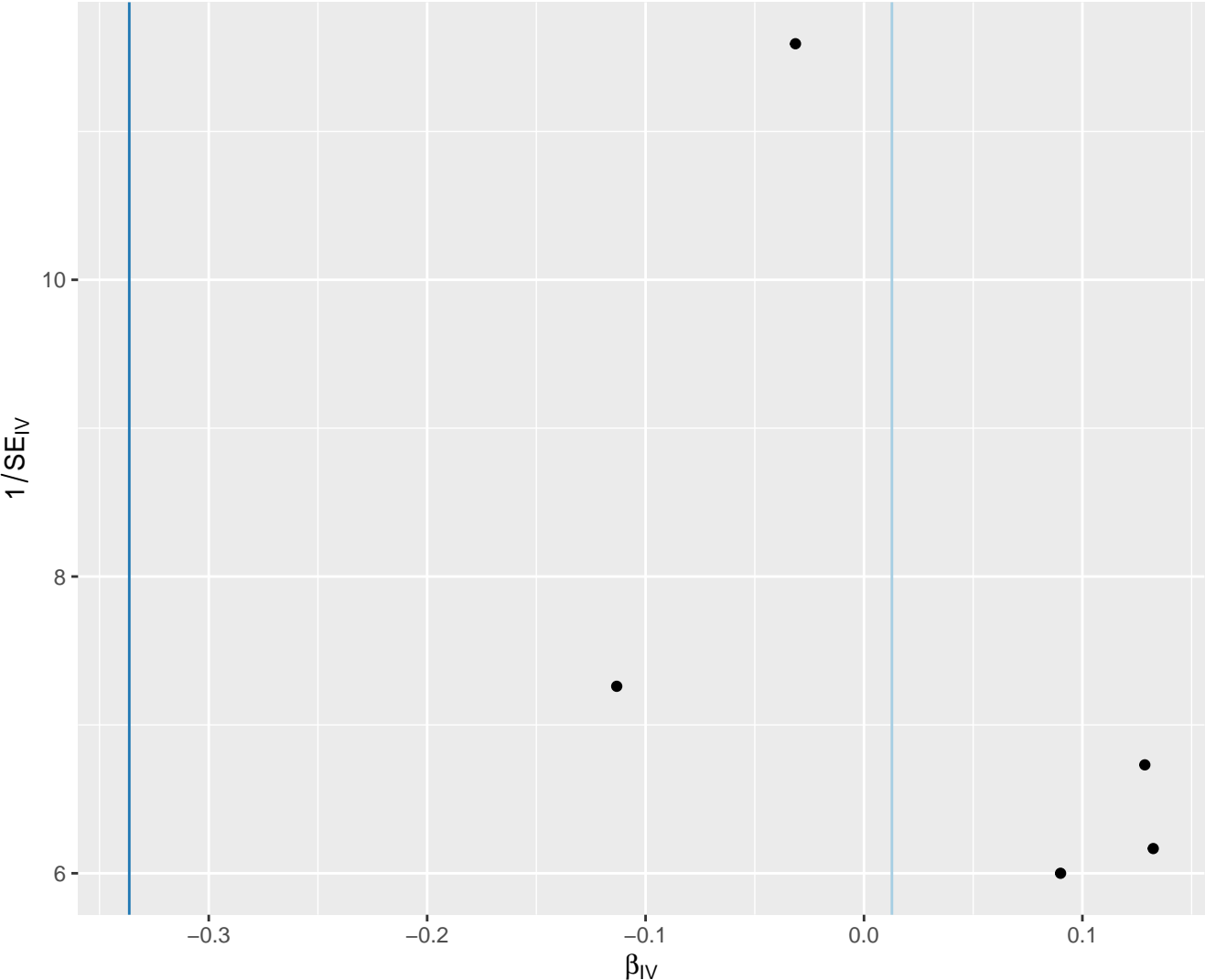
- Inverse variance weighted
- MR Egger



# Hexadecanedioate

MR Method

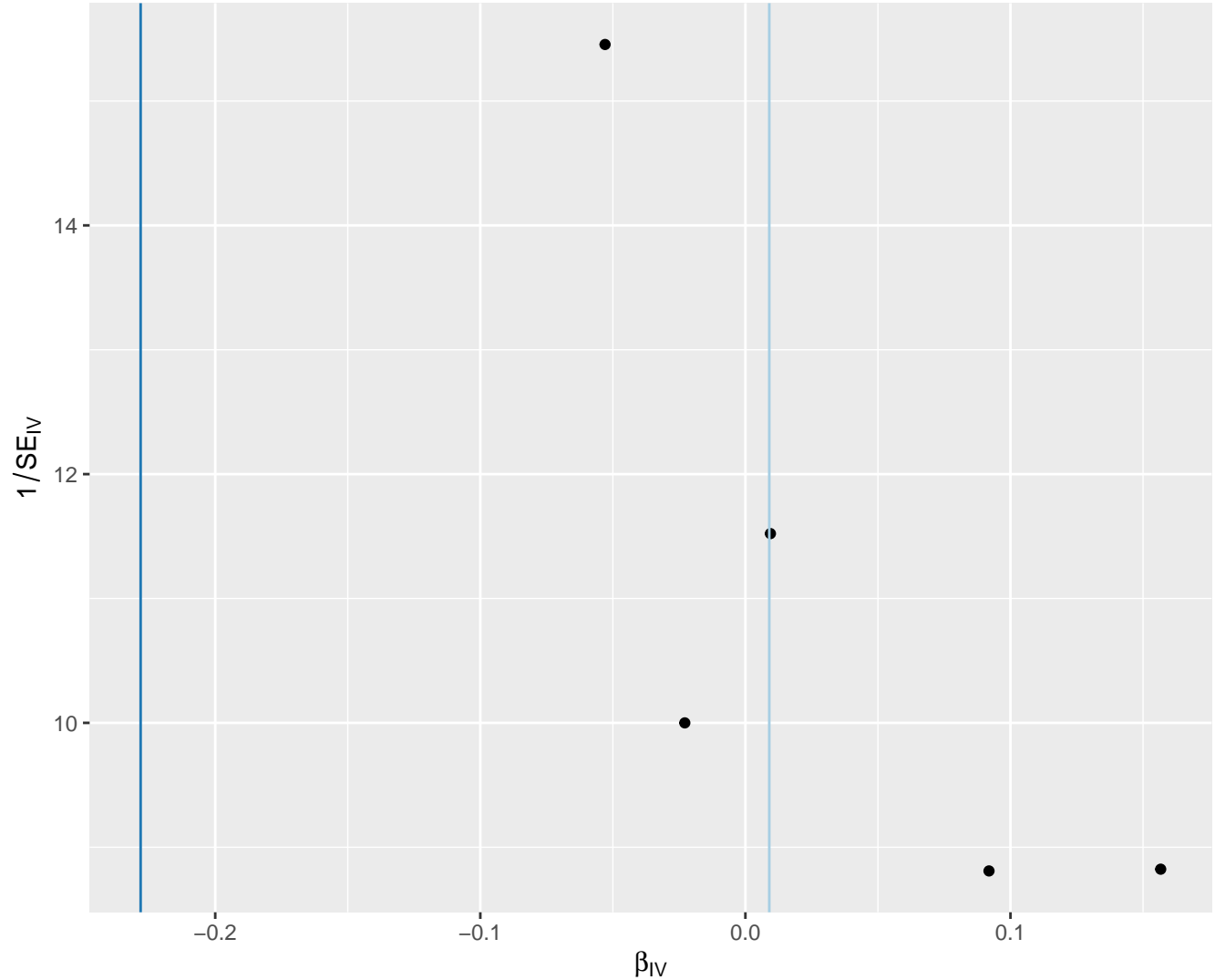
- Inverse variance weighted
- MR Egger



# Hexanoylcarnitine

MR Method

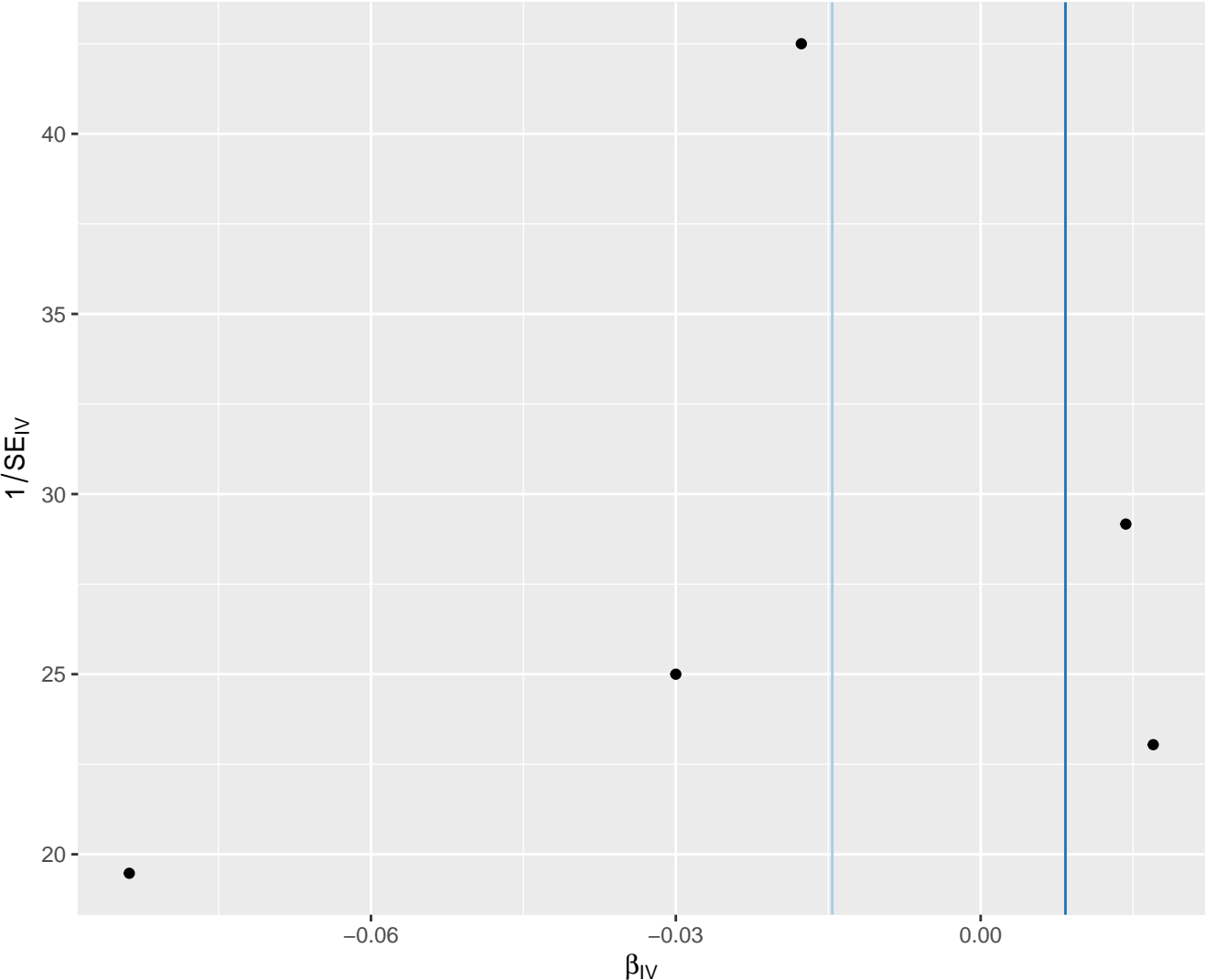
- Inverse variance weighted
- MR Egger



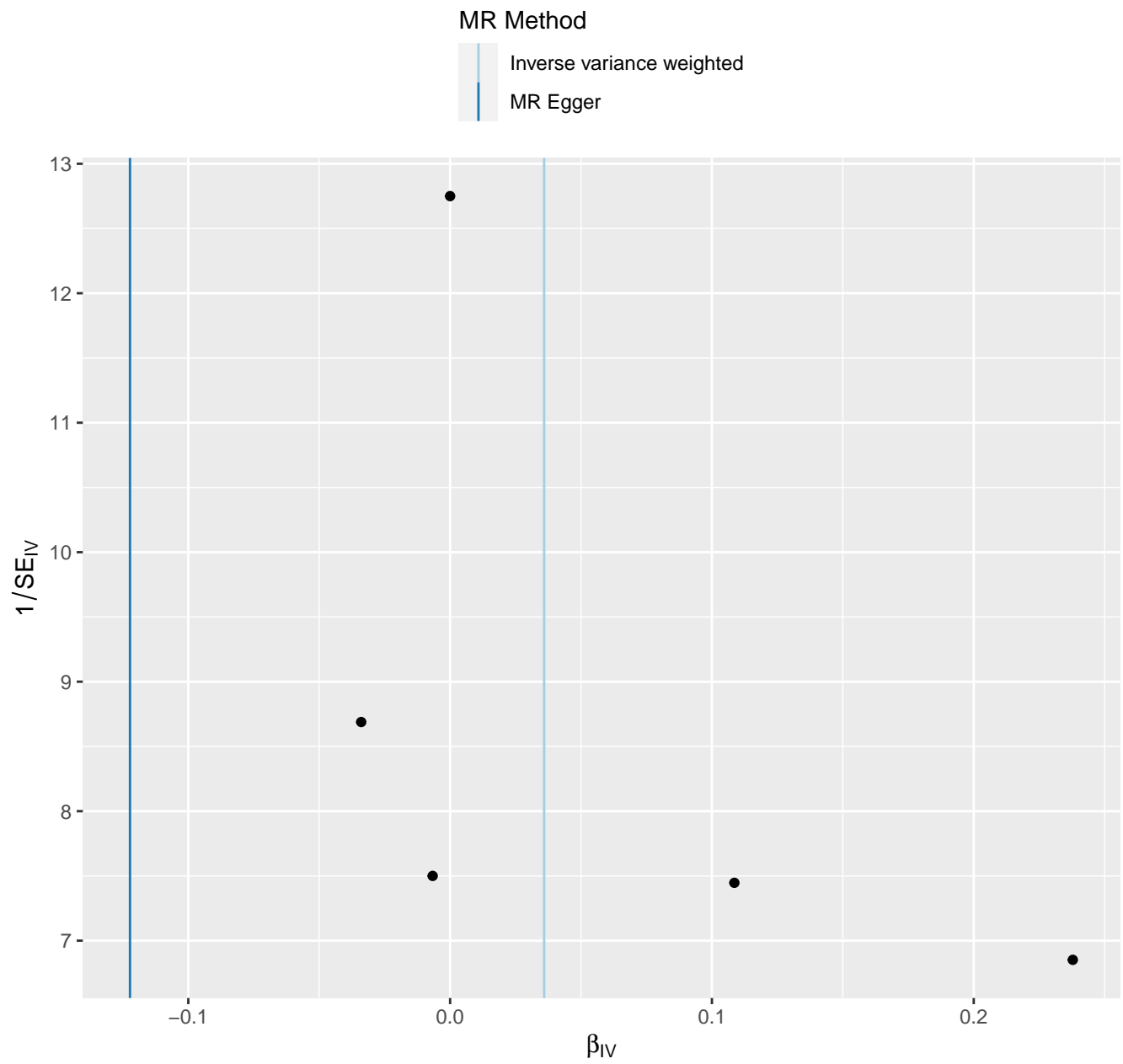


# Histidine

MR Method

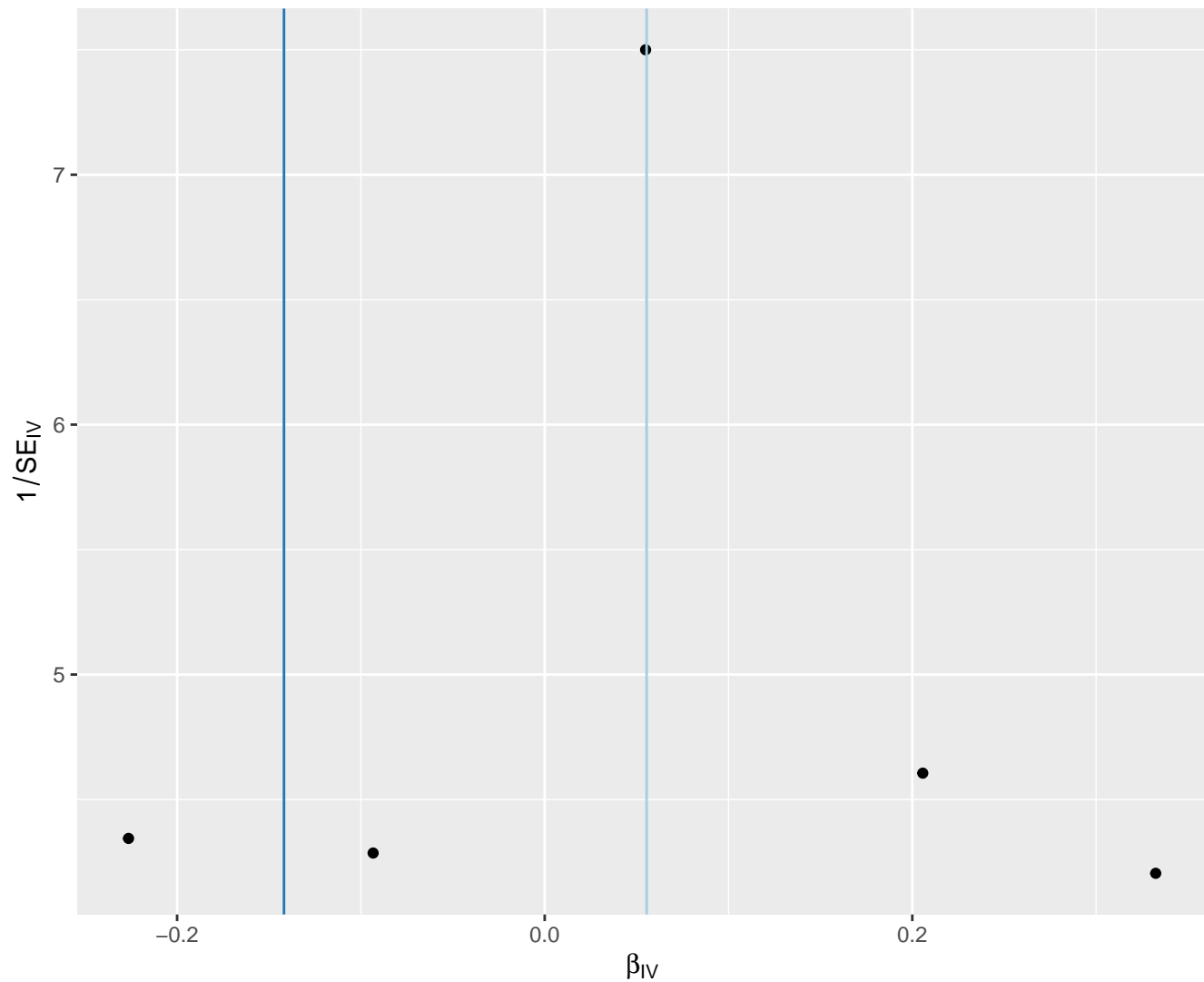
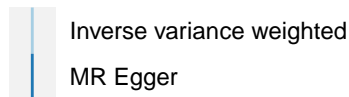


# Homocitrulline



Homostachydrine\*

MR Method



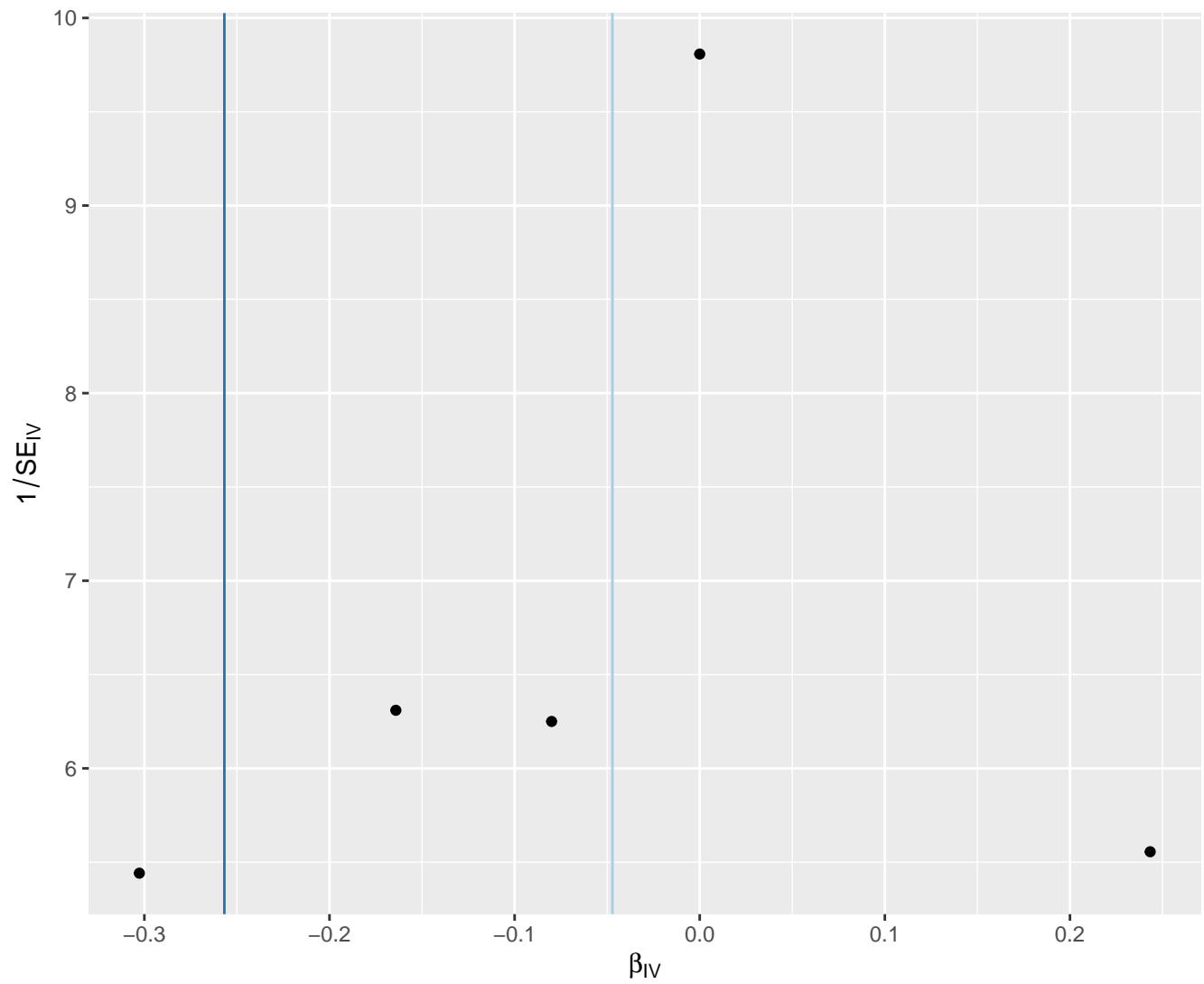
HWESASXX\*

MR Method



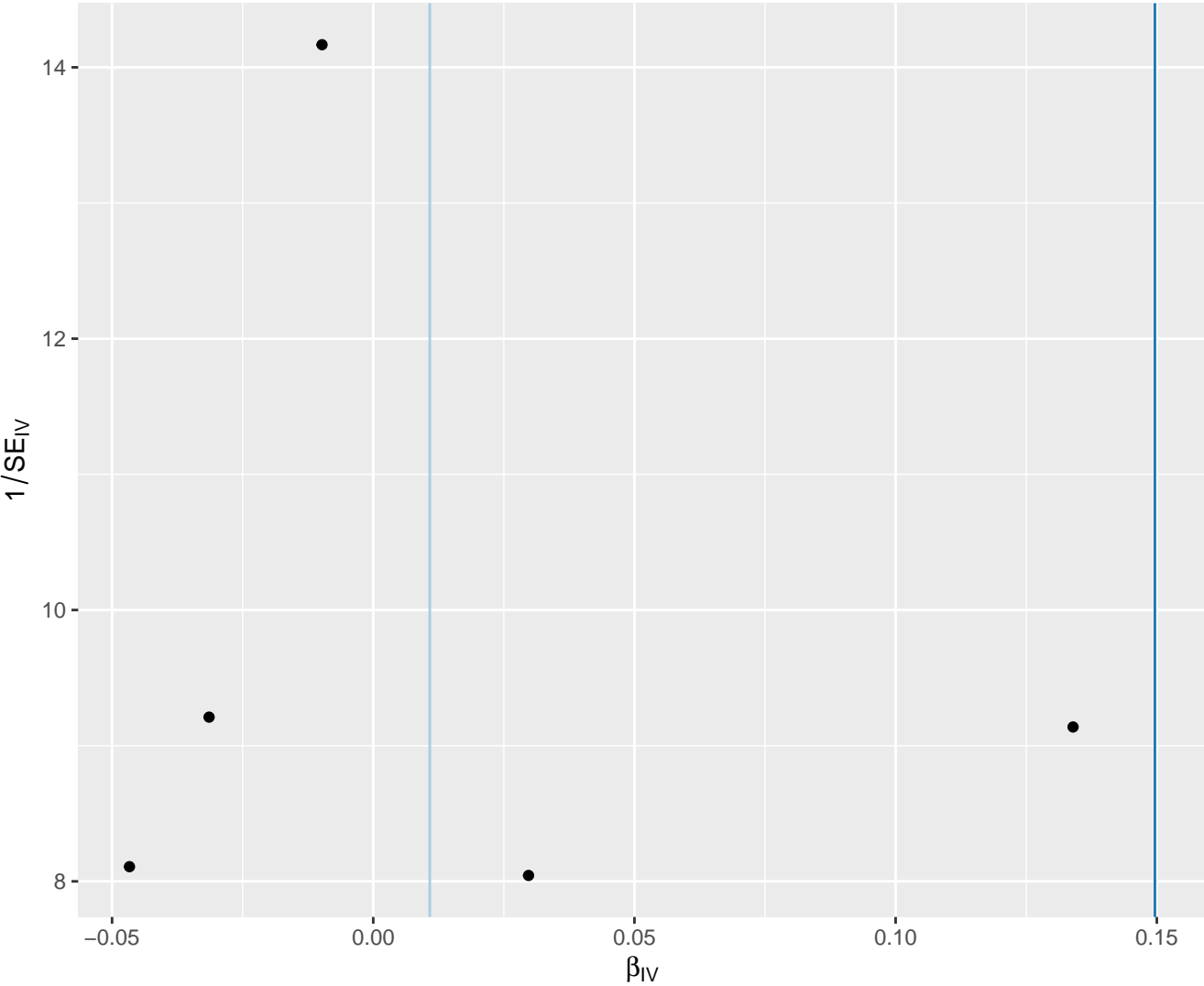
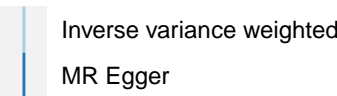
Inverse variance weighted

MR Egger



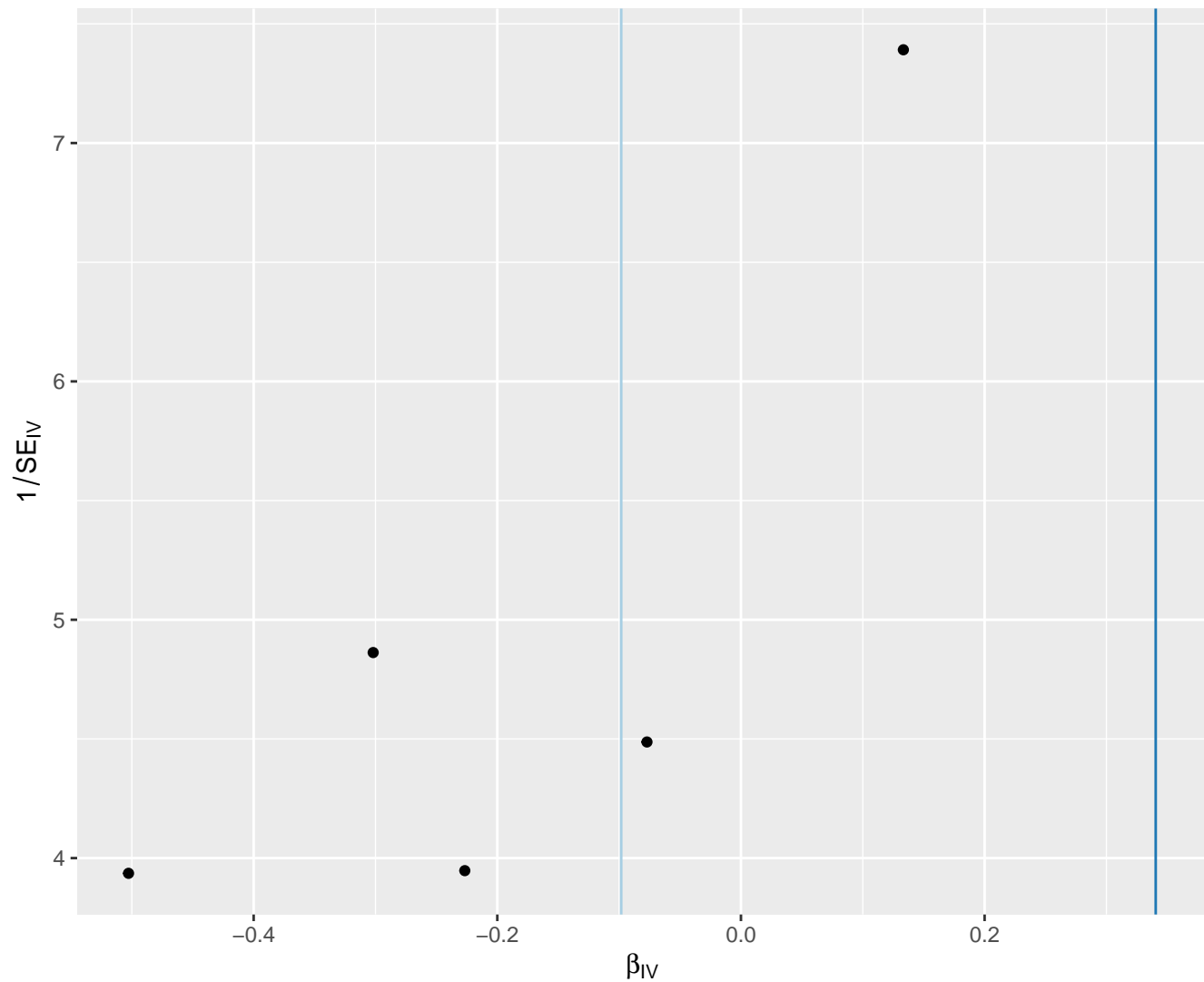
# Hydroxyisovaleroyl carnitine

MR Method



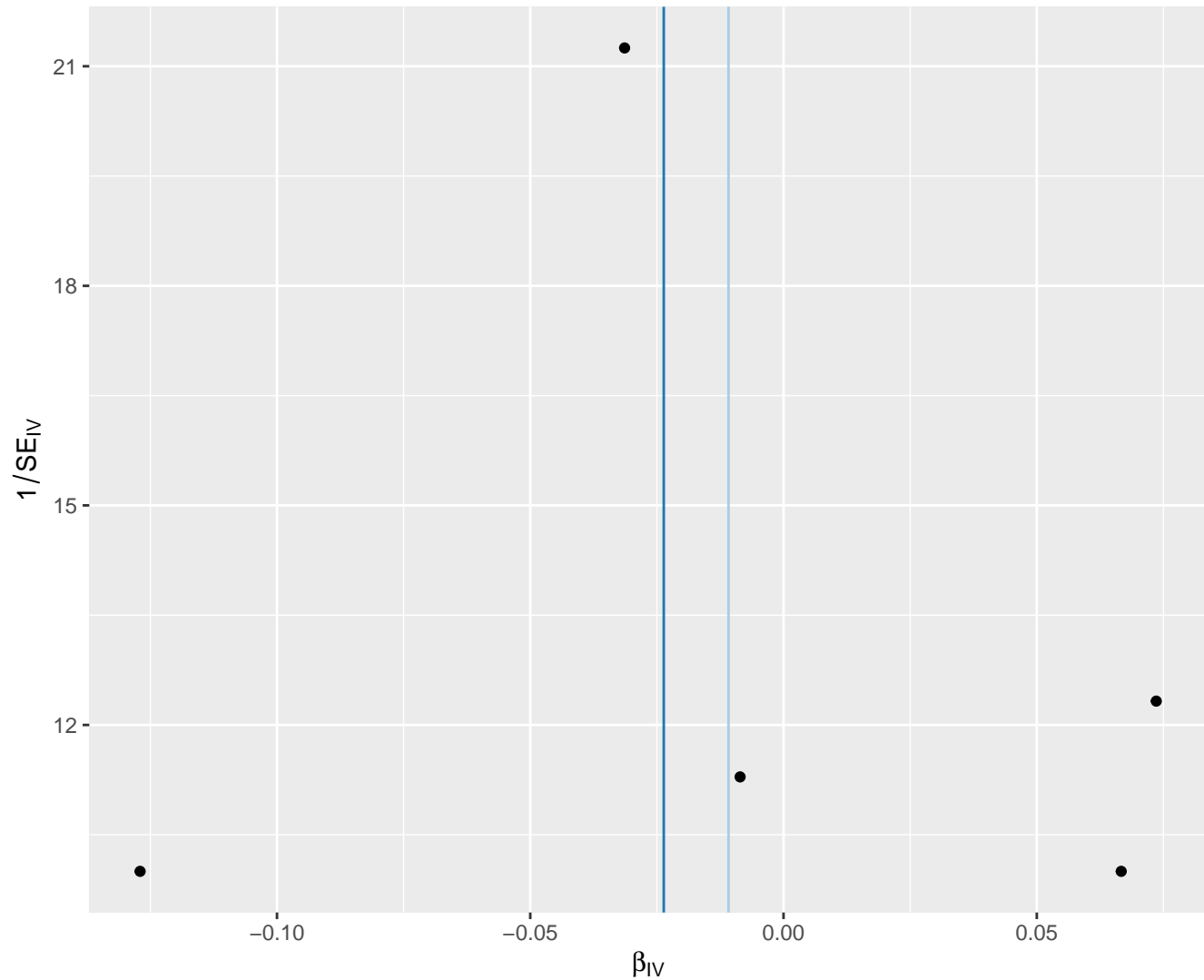
# Hyodeoxycholate

## MR Method



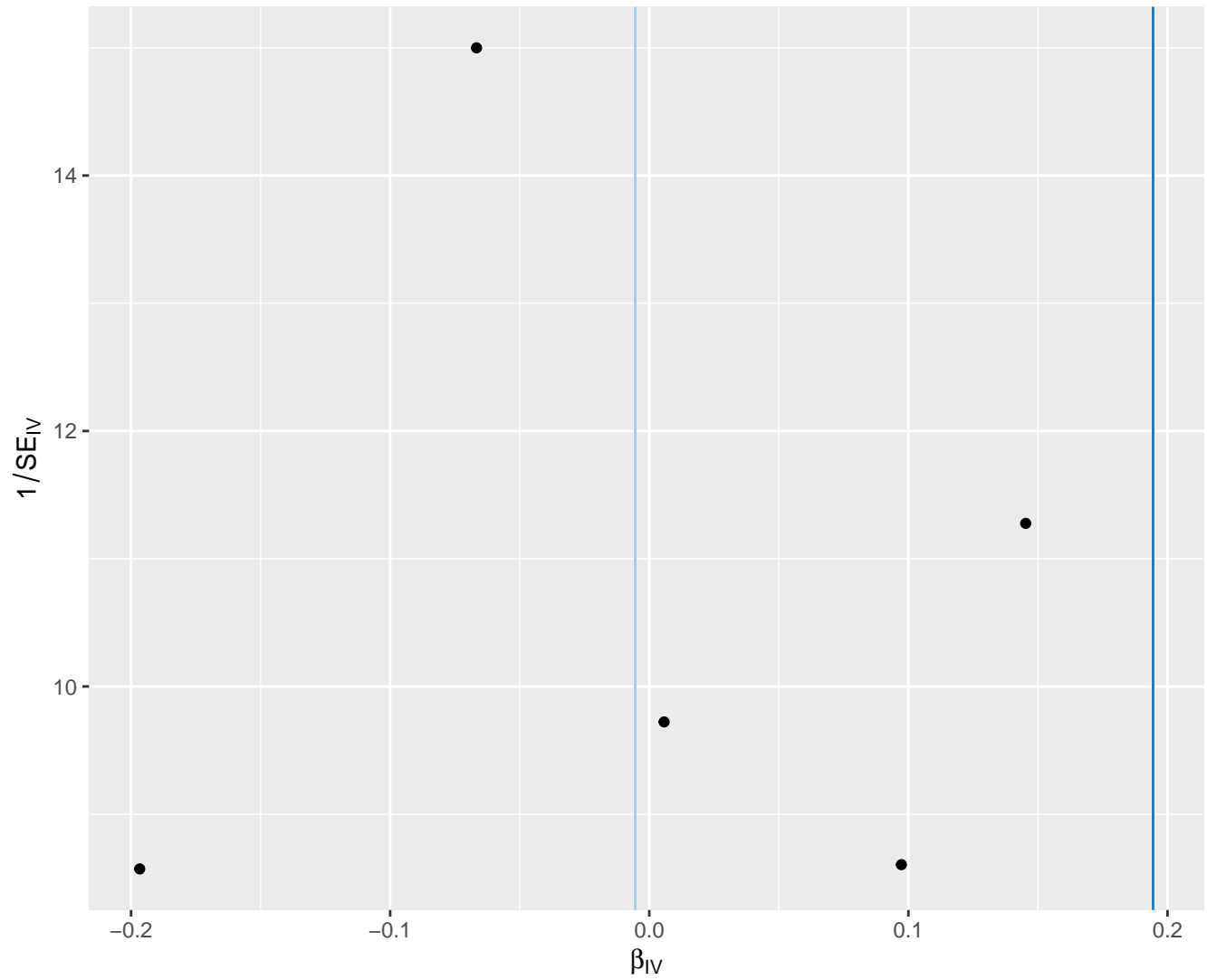
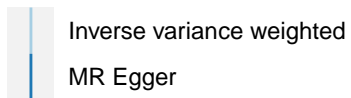
# Hypoxanthine

## MR Method



# Indoleacetate

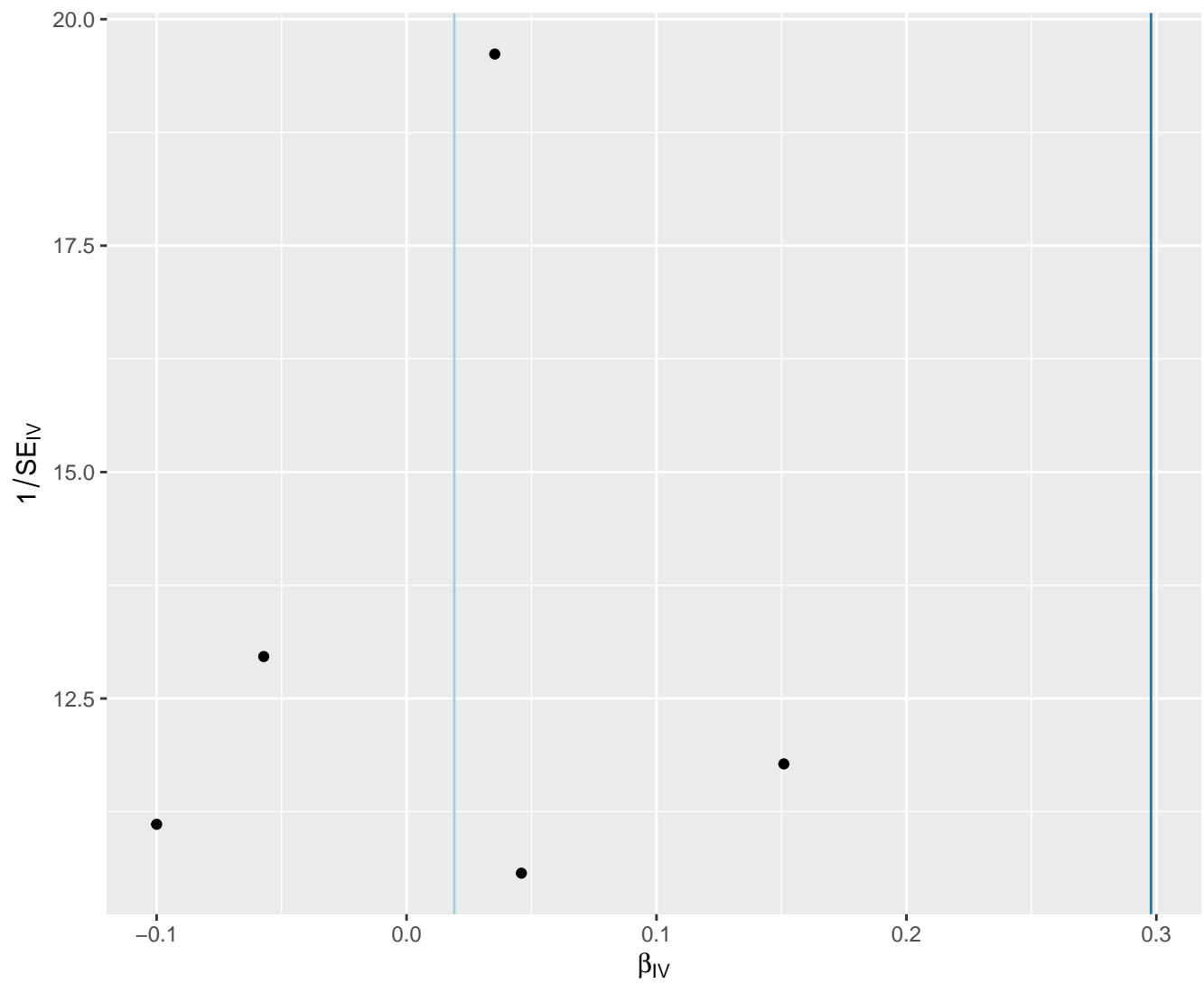
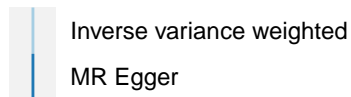
## MR Method





# Indolelactate

MR Method



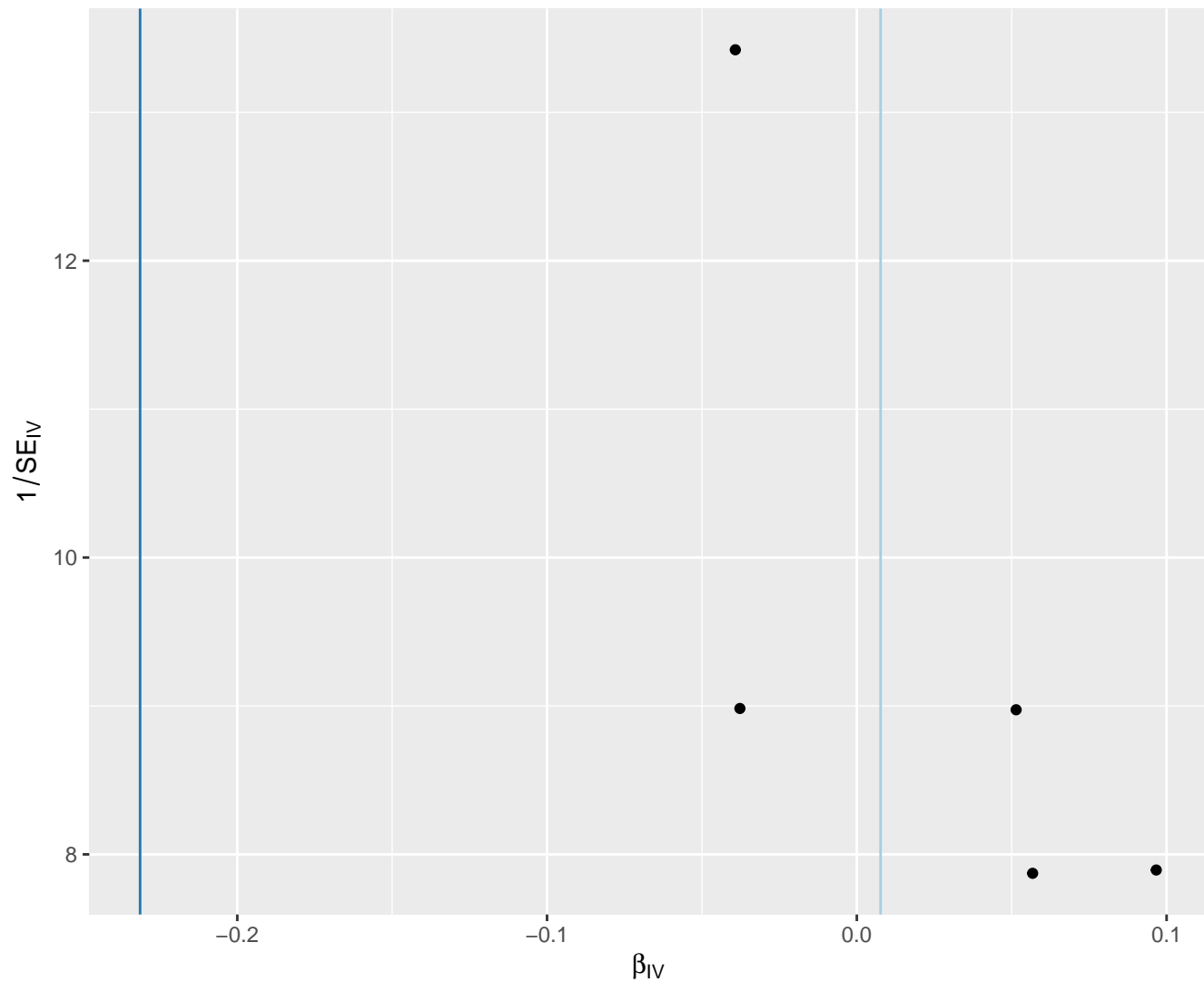
# Indolepropionate

MR Method



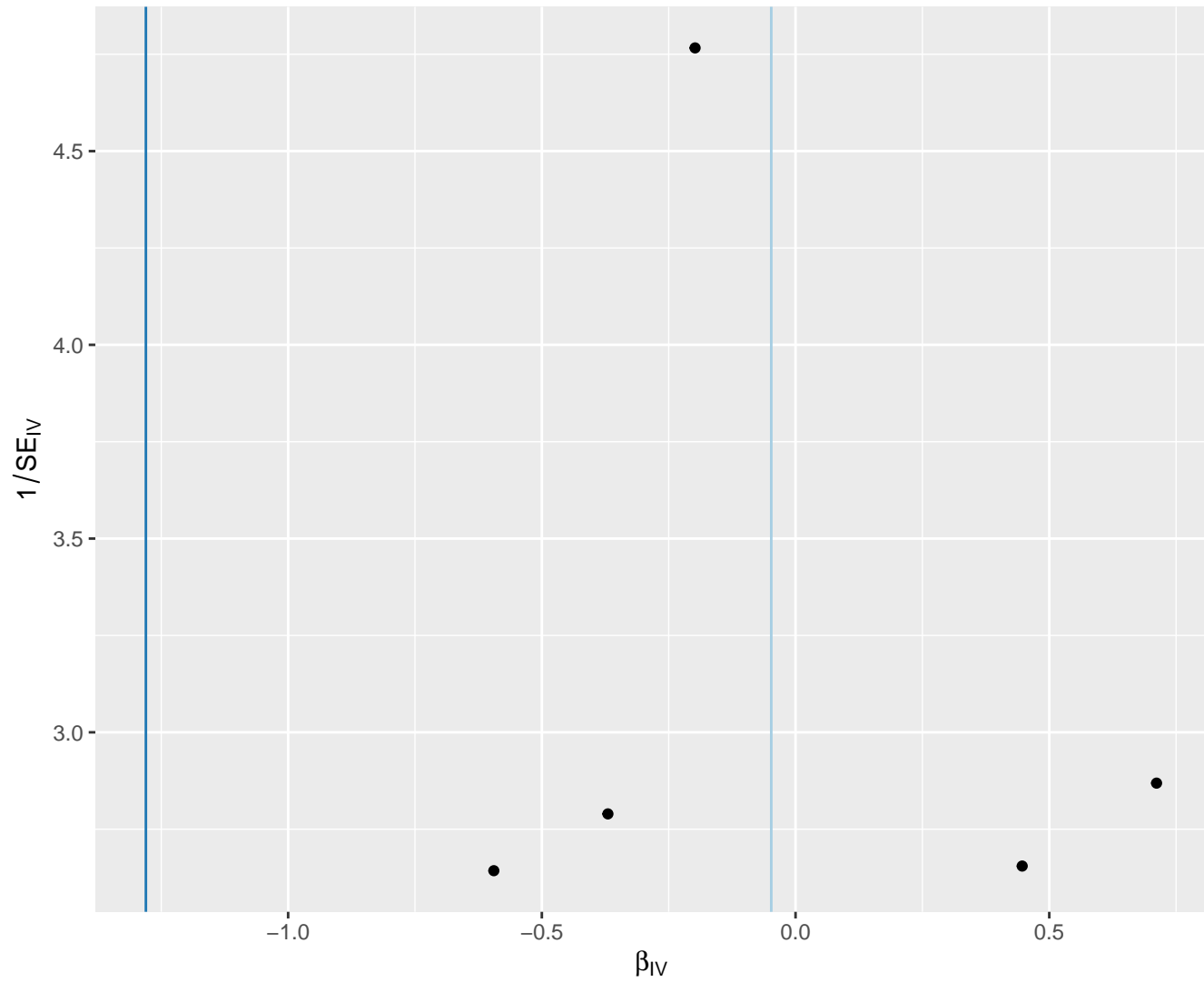
Inverse variance weighted

MR Egger

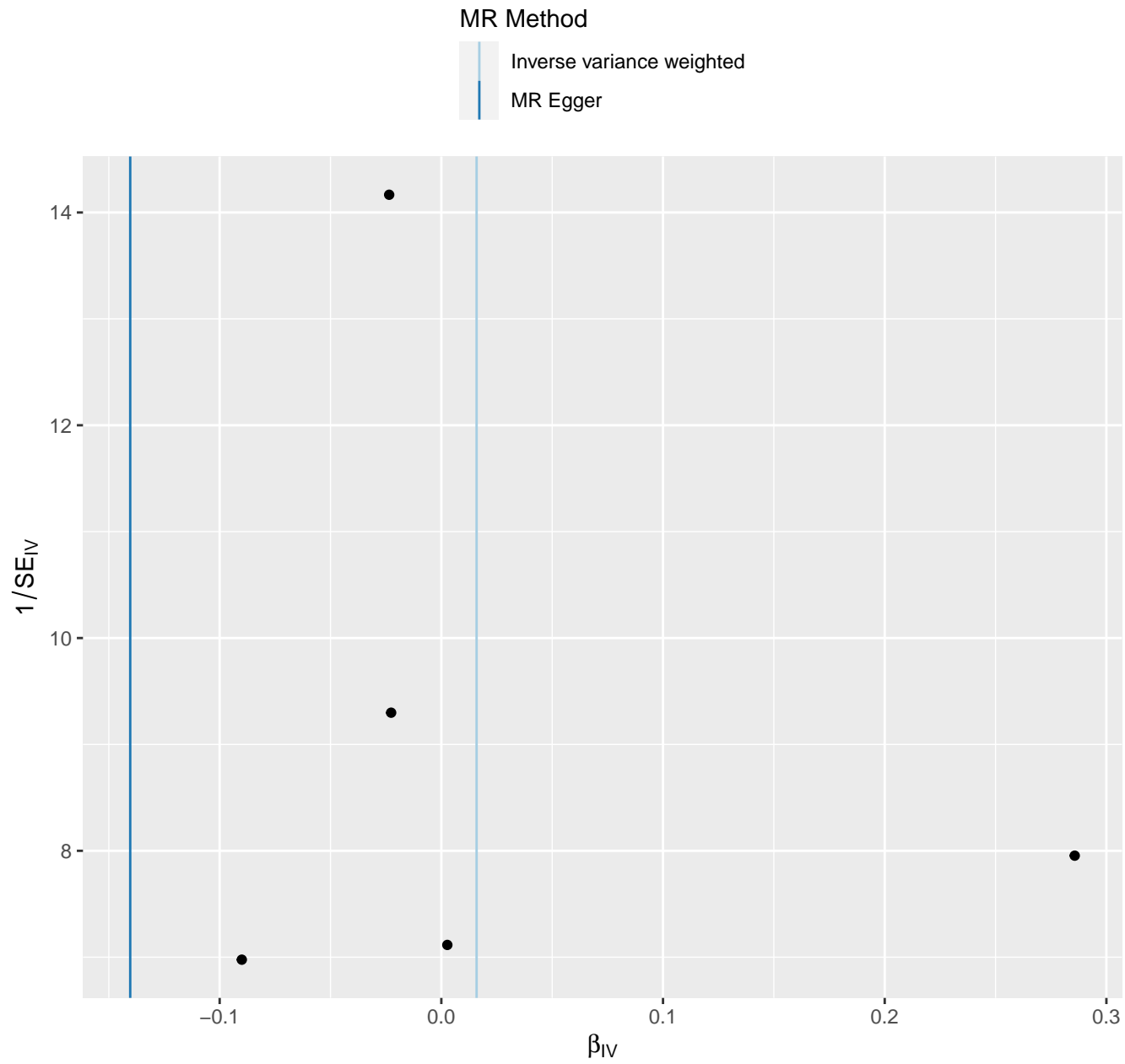


# Inosine

## MR Method

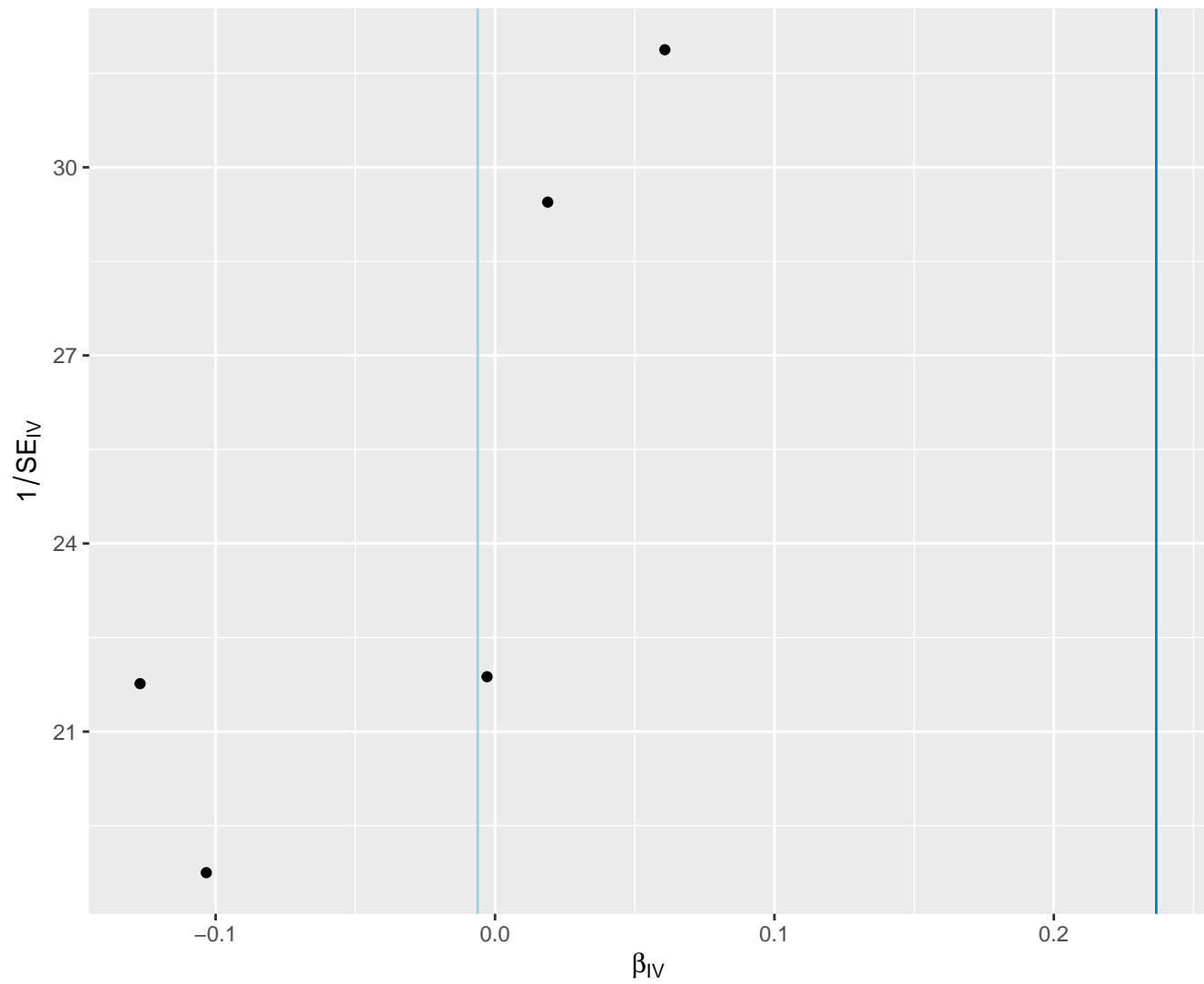
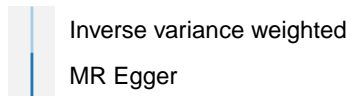


# Isobutyrylcarnitine



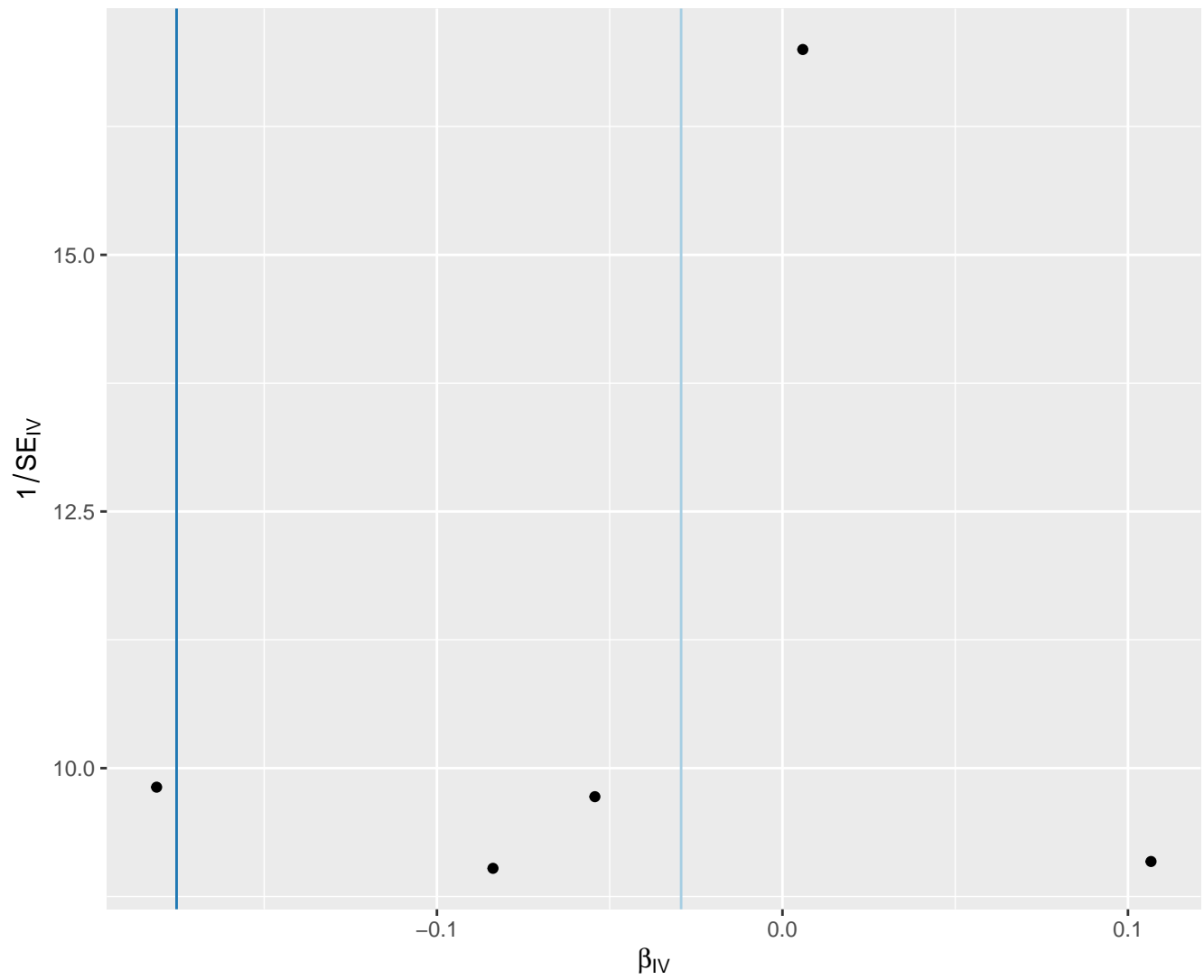
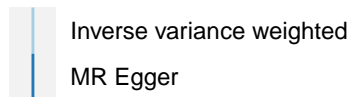
# Isoleucine

## MR Method



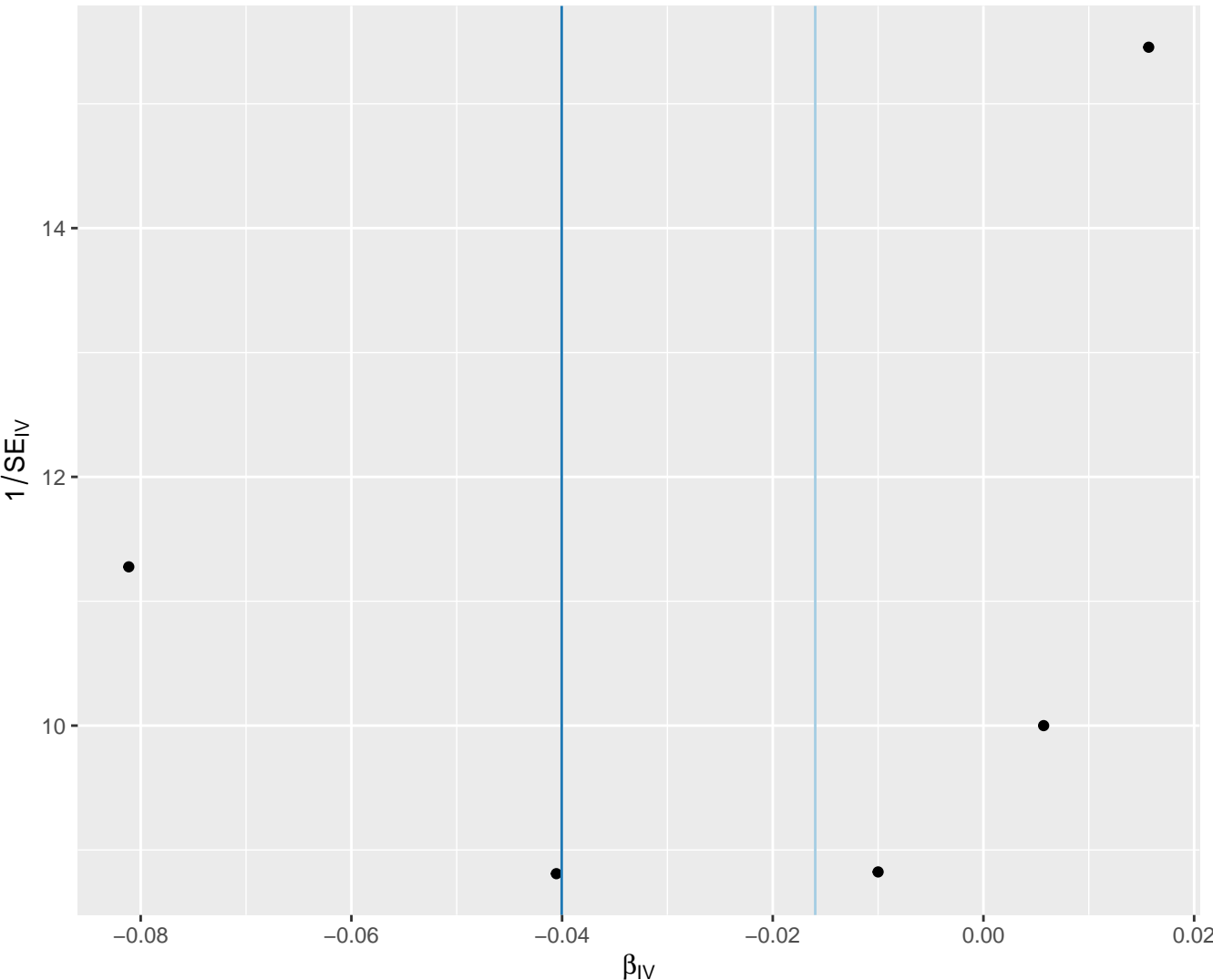
# Isovalerate

## MR Method



# Isovalerylcarnitine

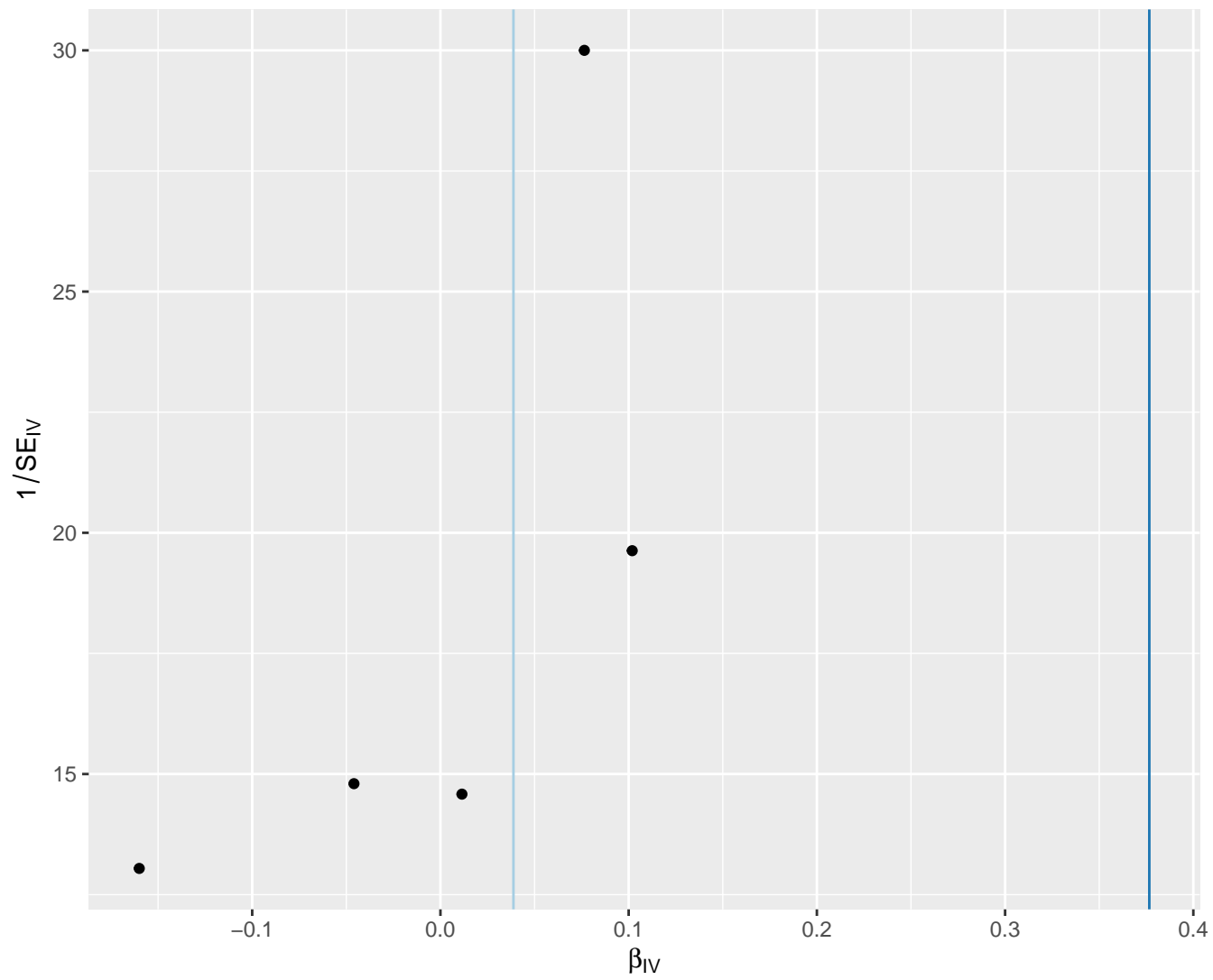
MR Method



# Kynurenine

MR Method

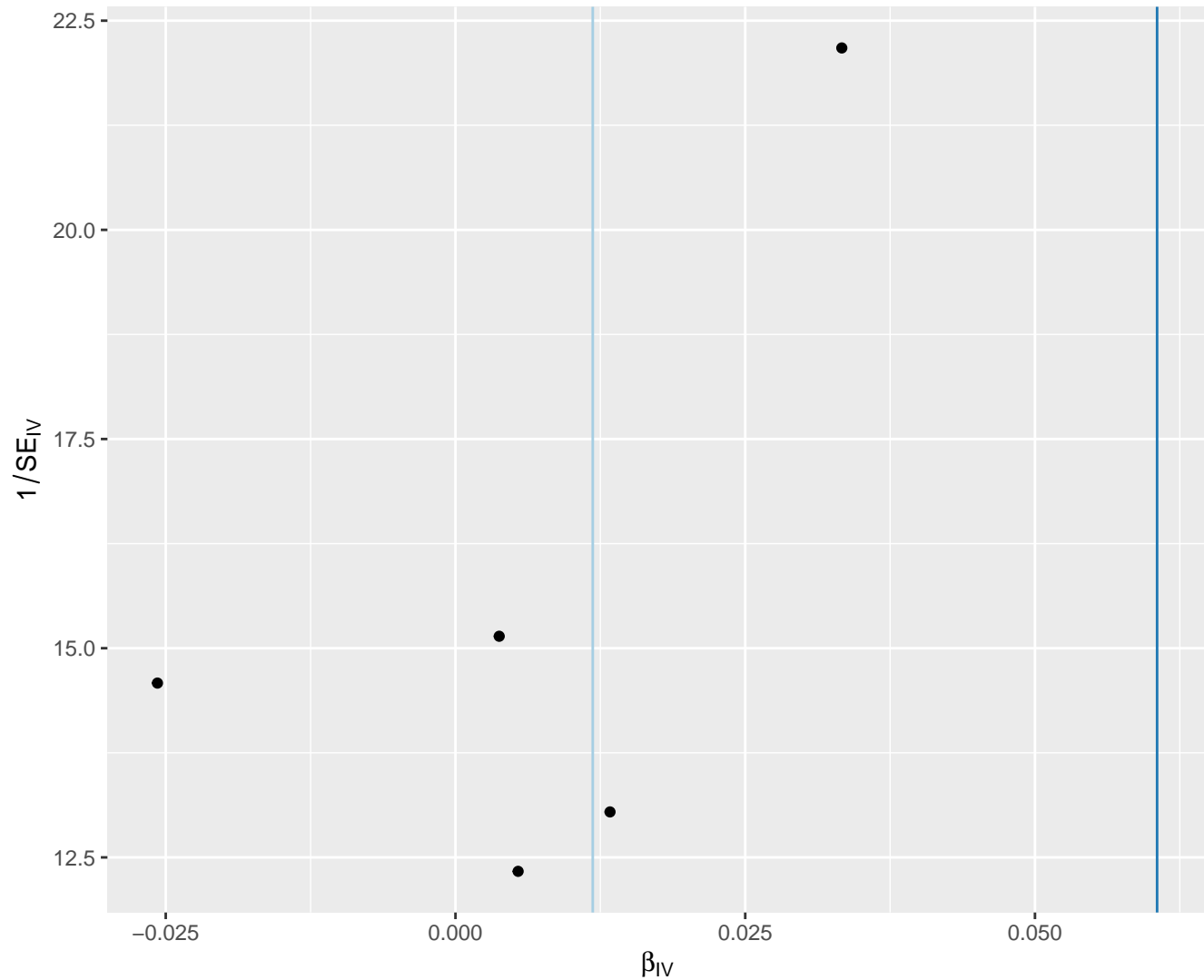
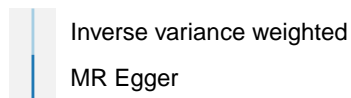
Inverse variance weighted  
MR Egger





# Lactate

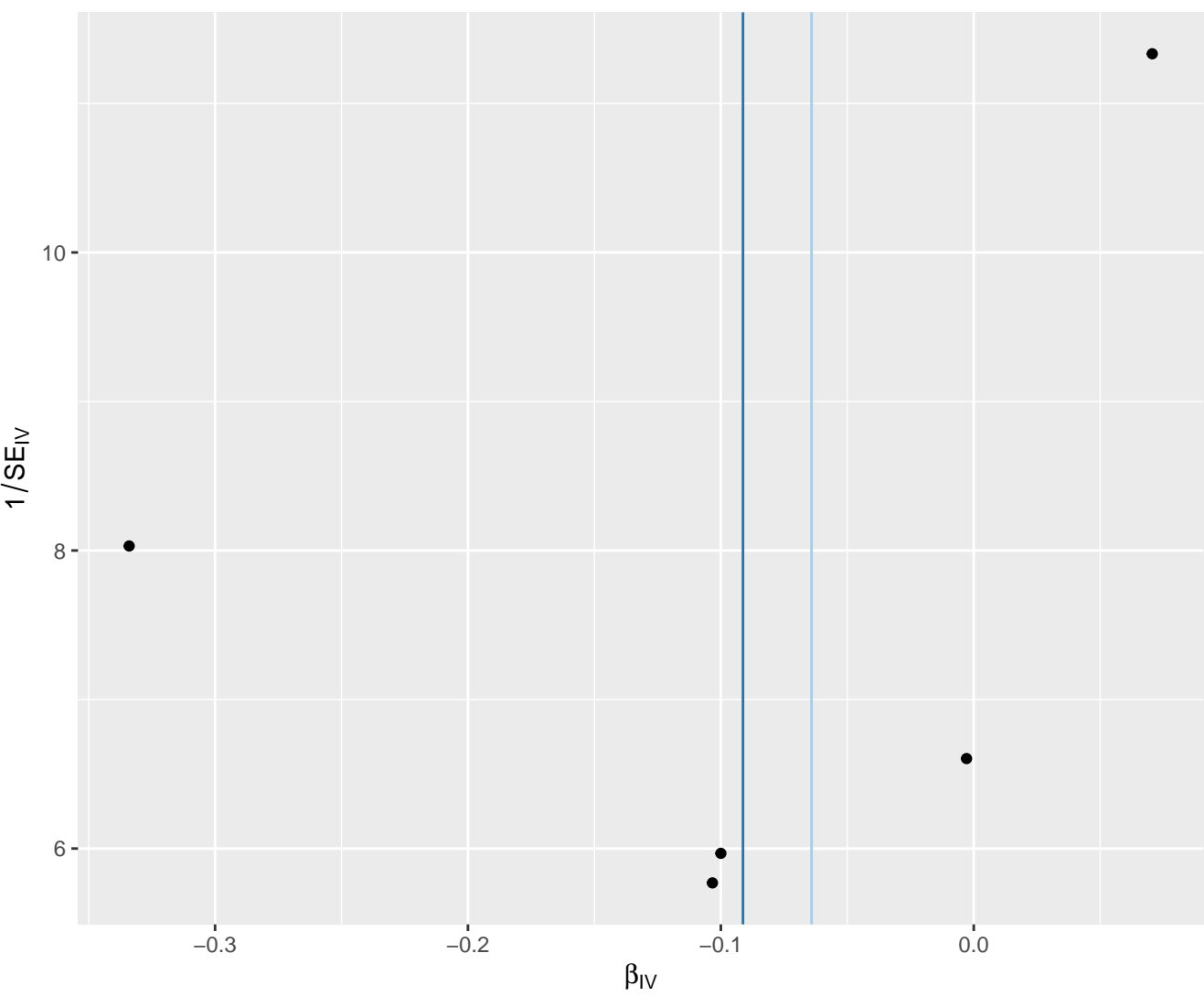
## MR Method



# Lathosterol

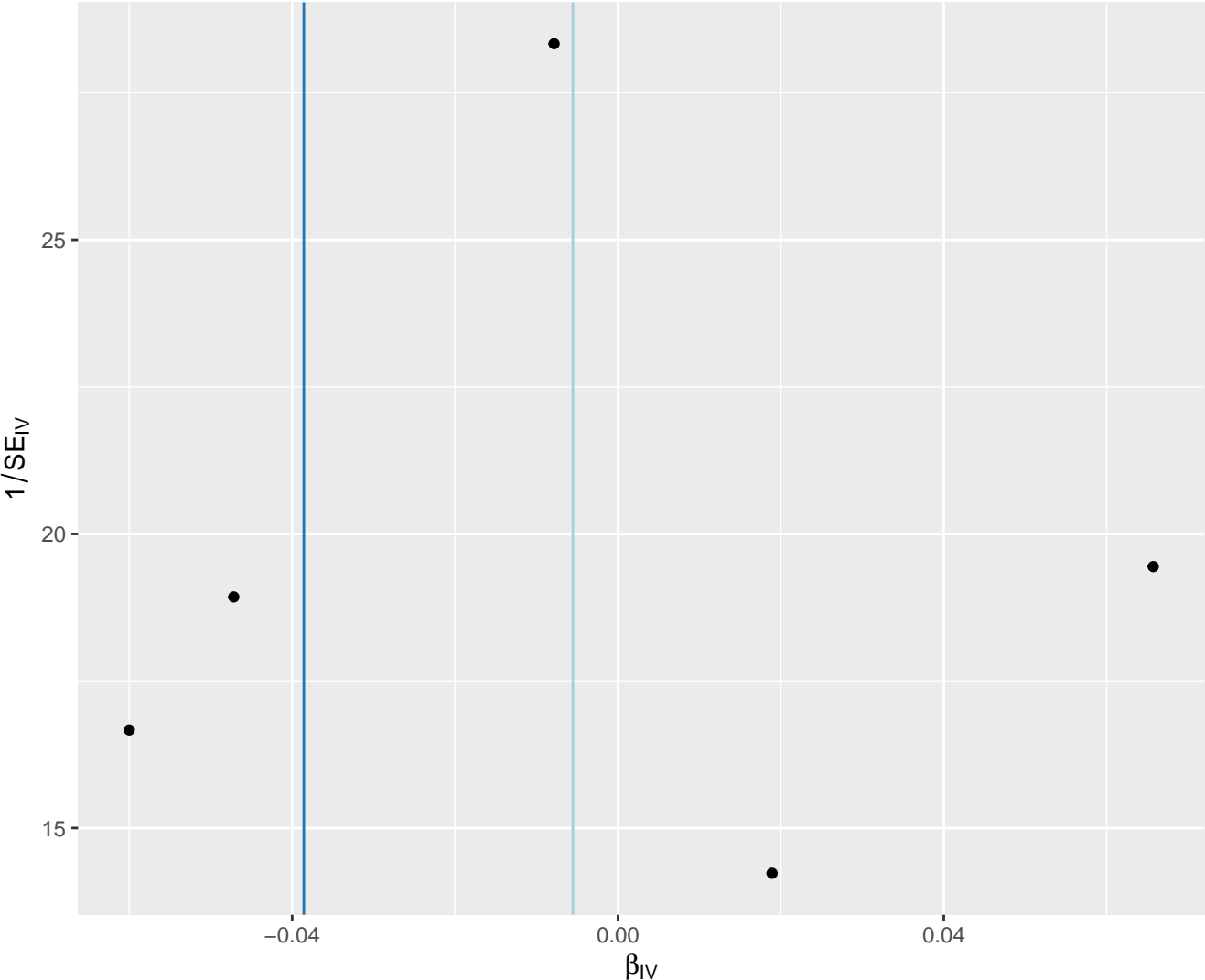
MR Method

- Inverse variance weighted
- MR Egger



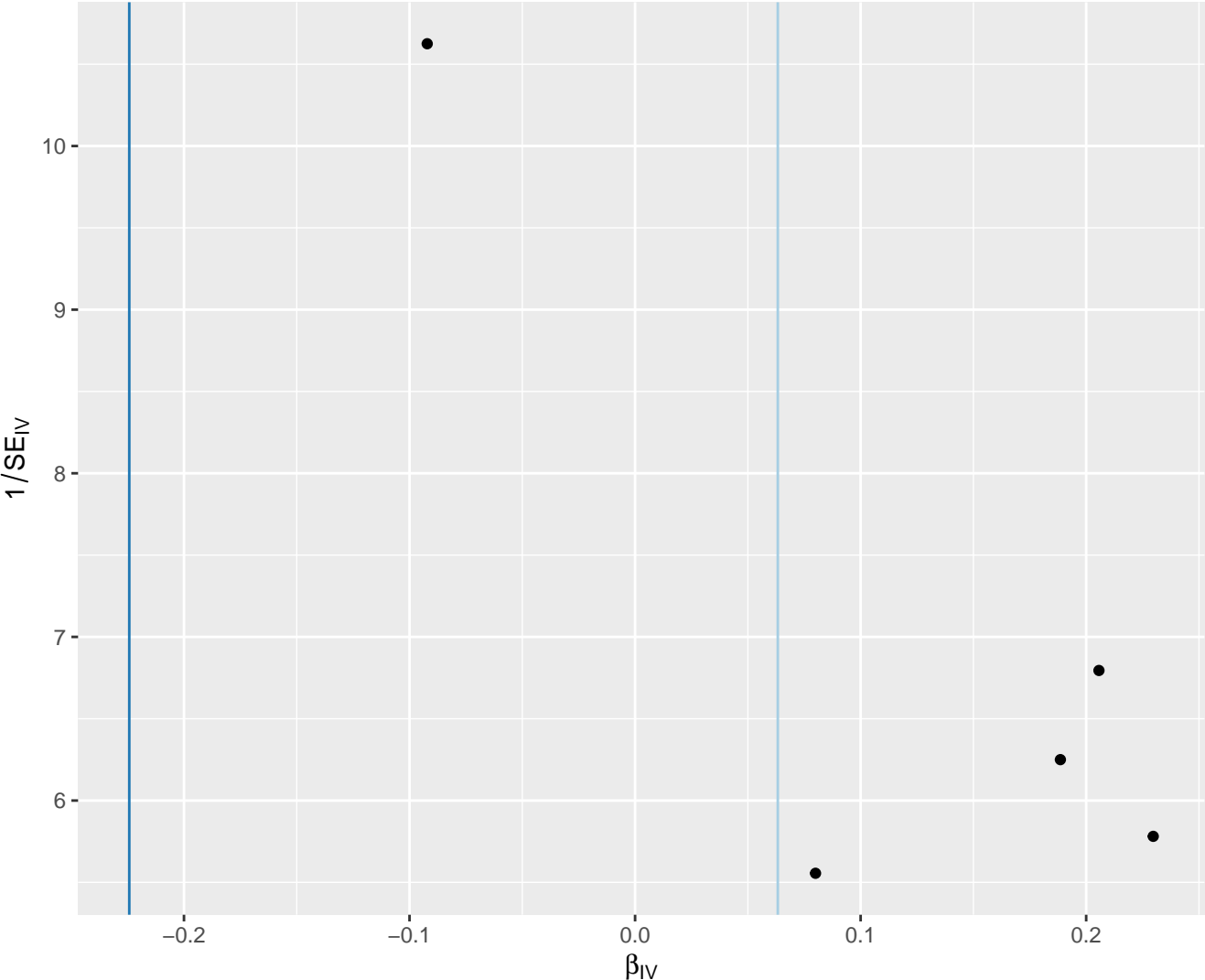
Laurate (12:0)

MR Method



# Laurylcarnitine

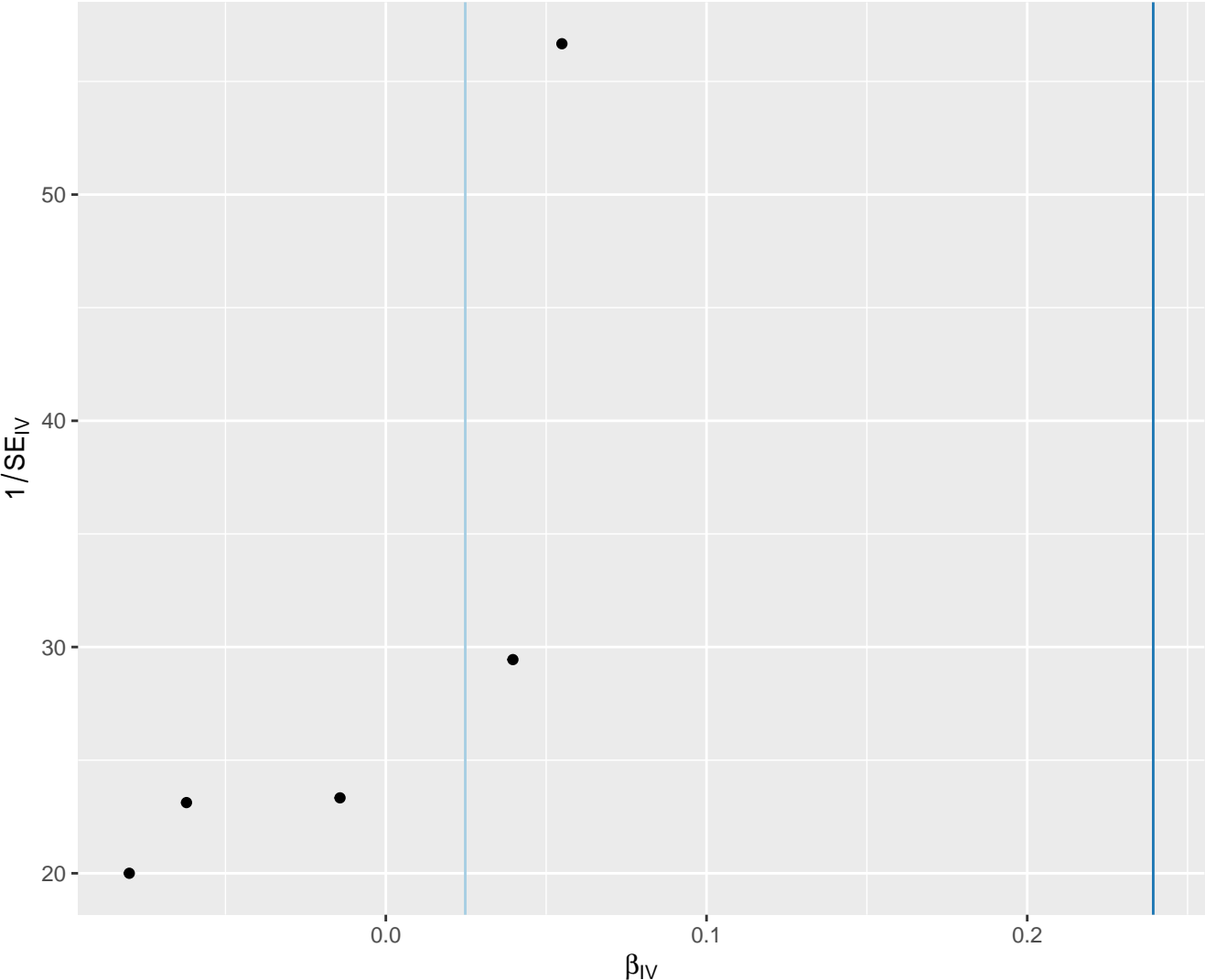
MR Method



# Leucine

MR Method

- Inverse variance weighted
- MR Egger



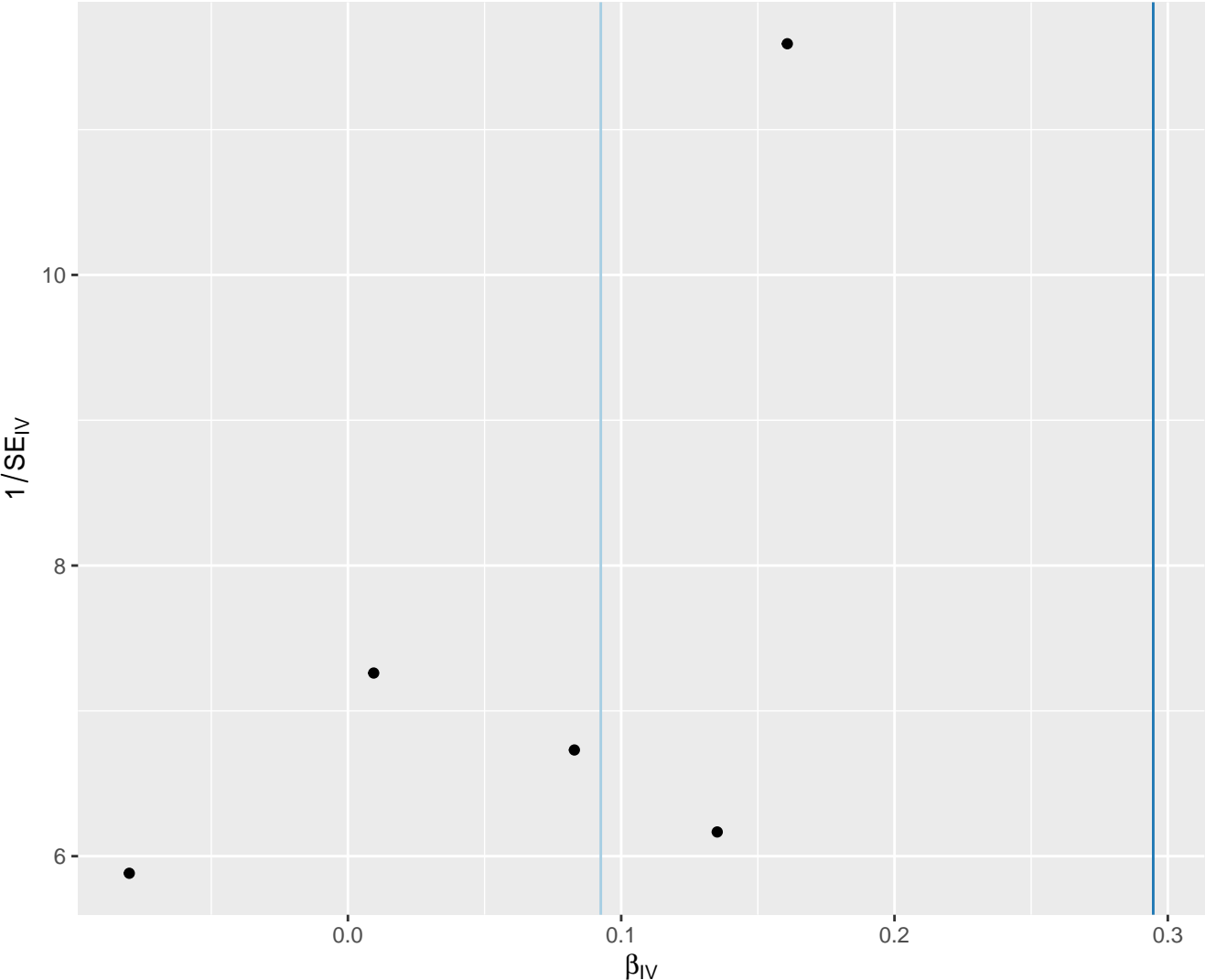
# Leucylleucine

MR Method



Inverse variance weighted

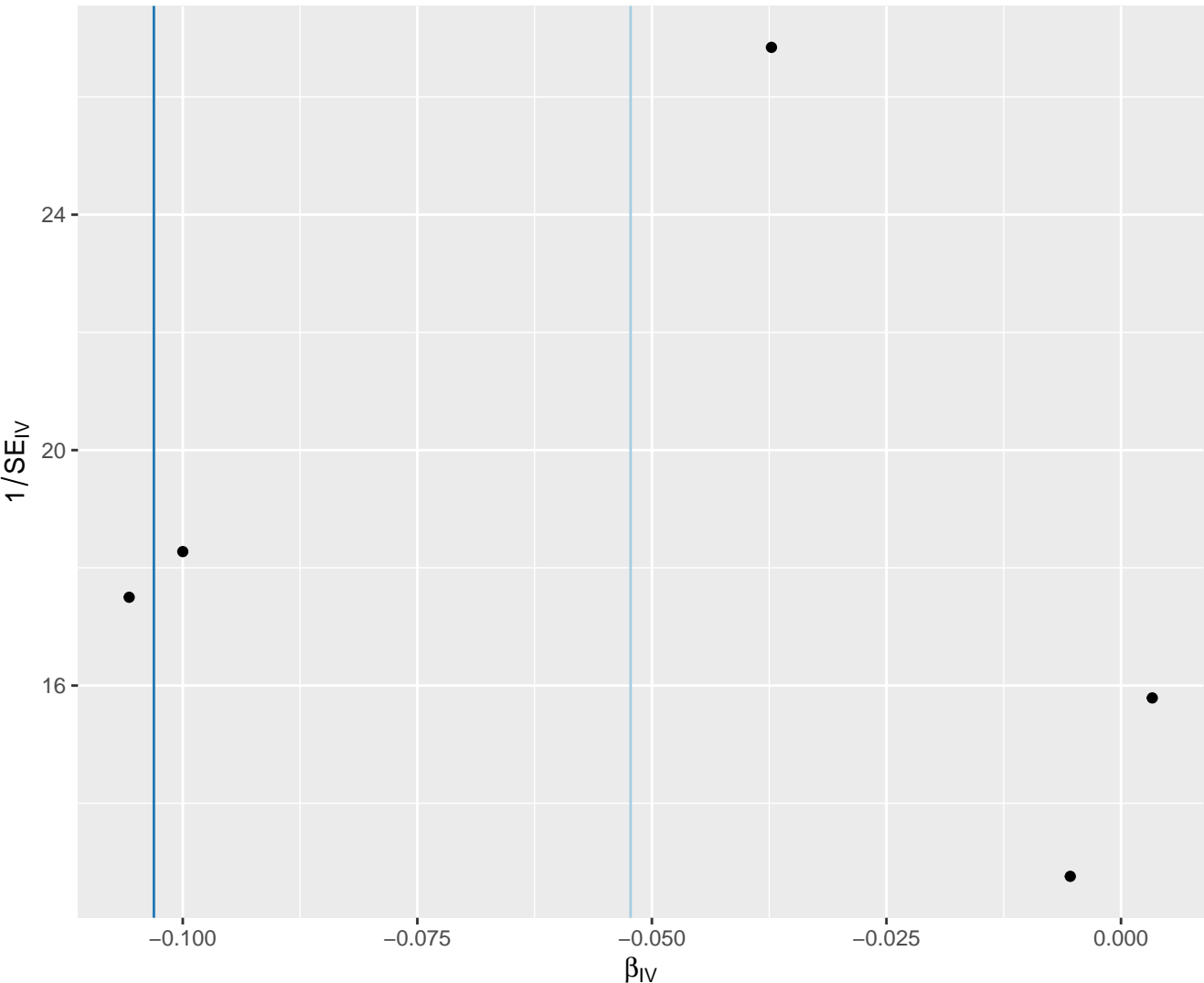
MR Egger



# Levulinate (4-oxovalerate)

MR Method

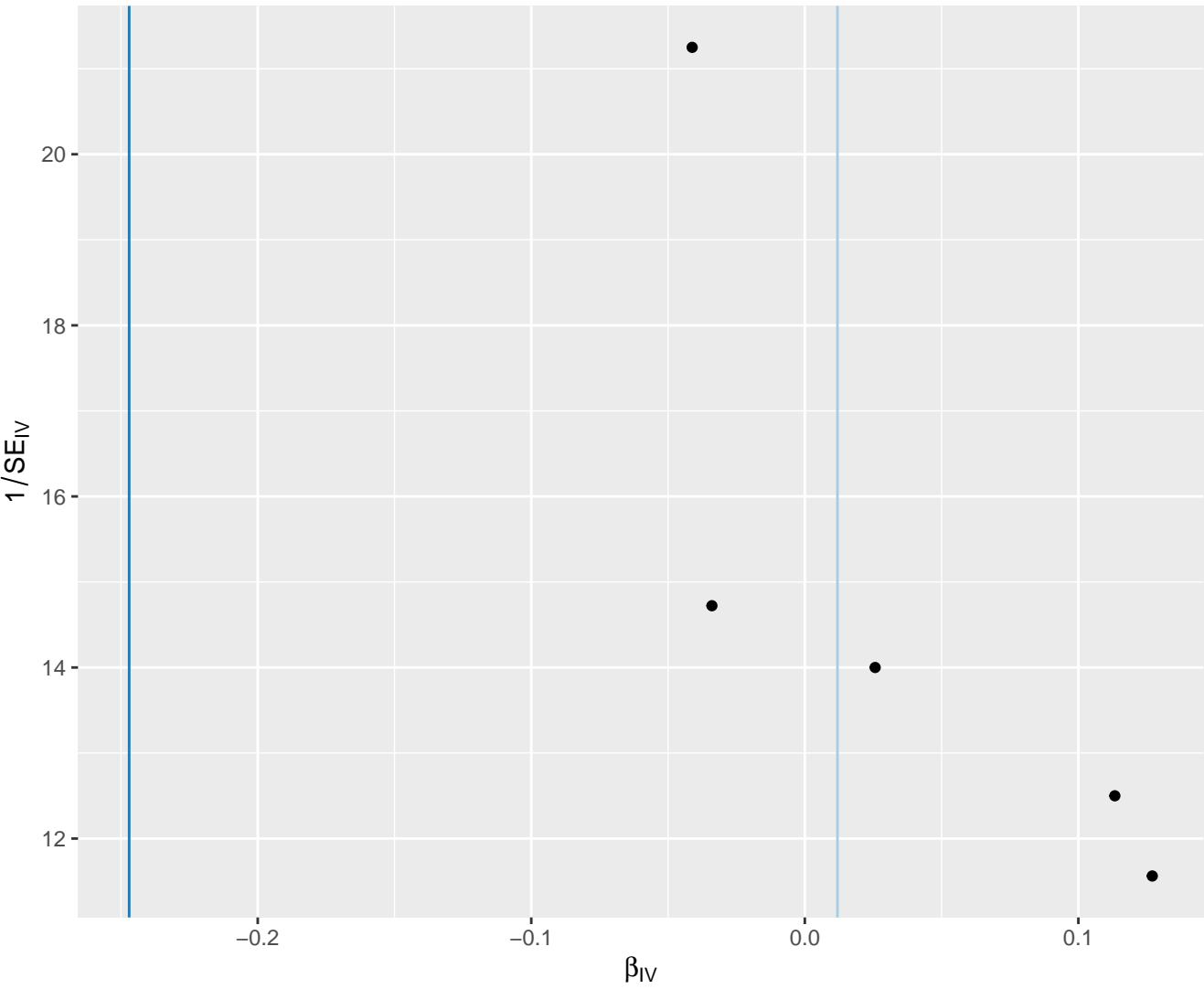
- Inverse variance weighted
- MR Egger



Linoleate (18:2n6)

MR Method

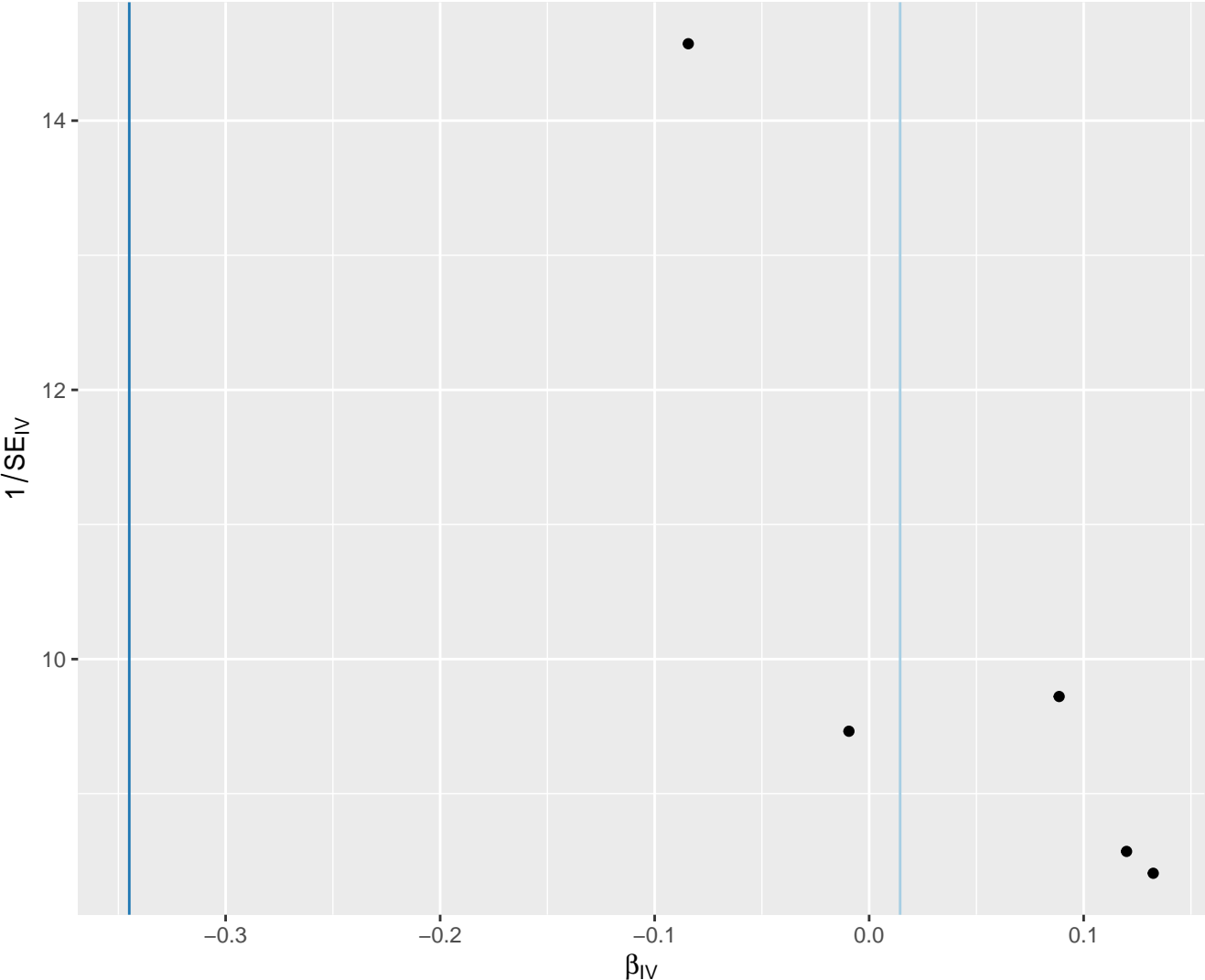
- Inverse variance weighted
- MR Egger





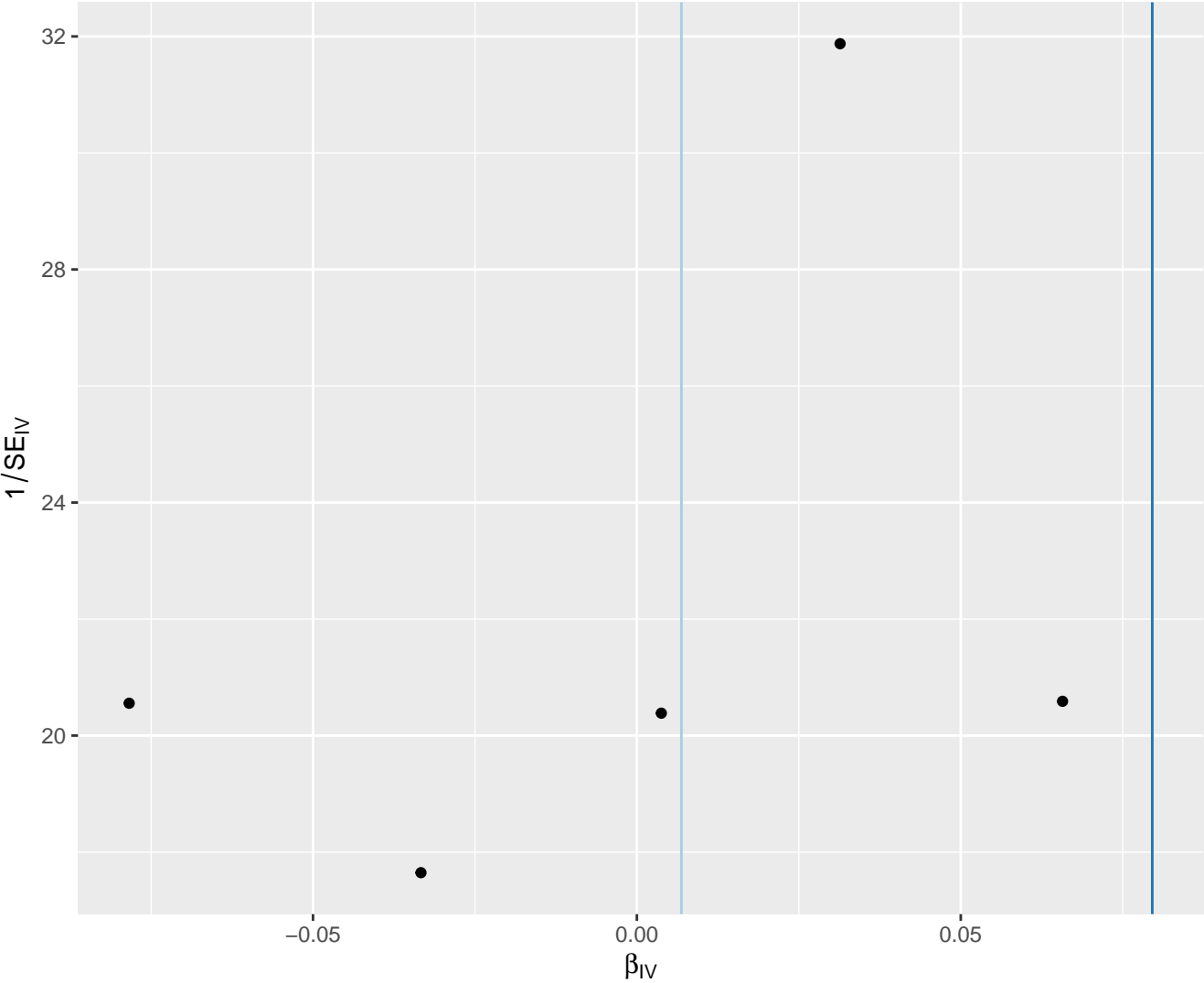
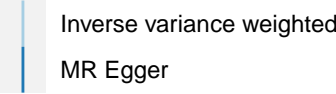
Linolenate [alpha or gamma; (18:3n3 or 6)]

MR Method



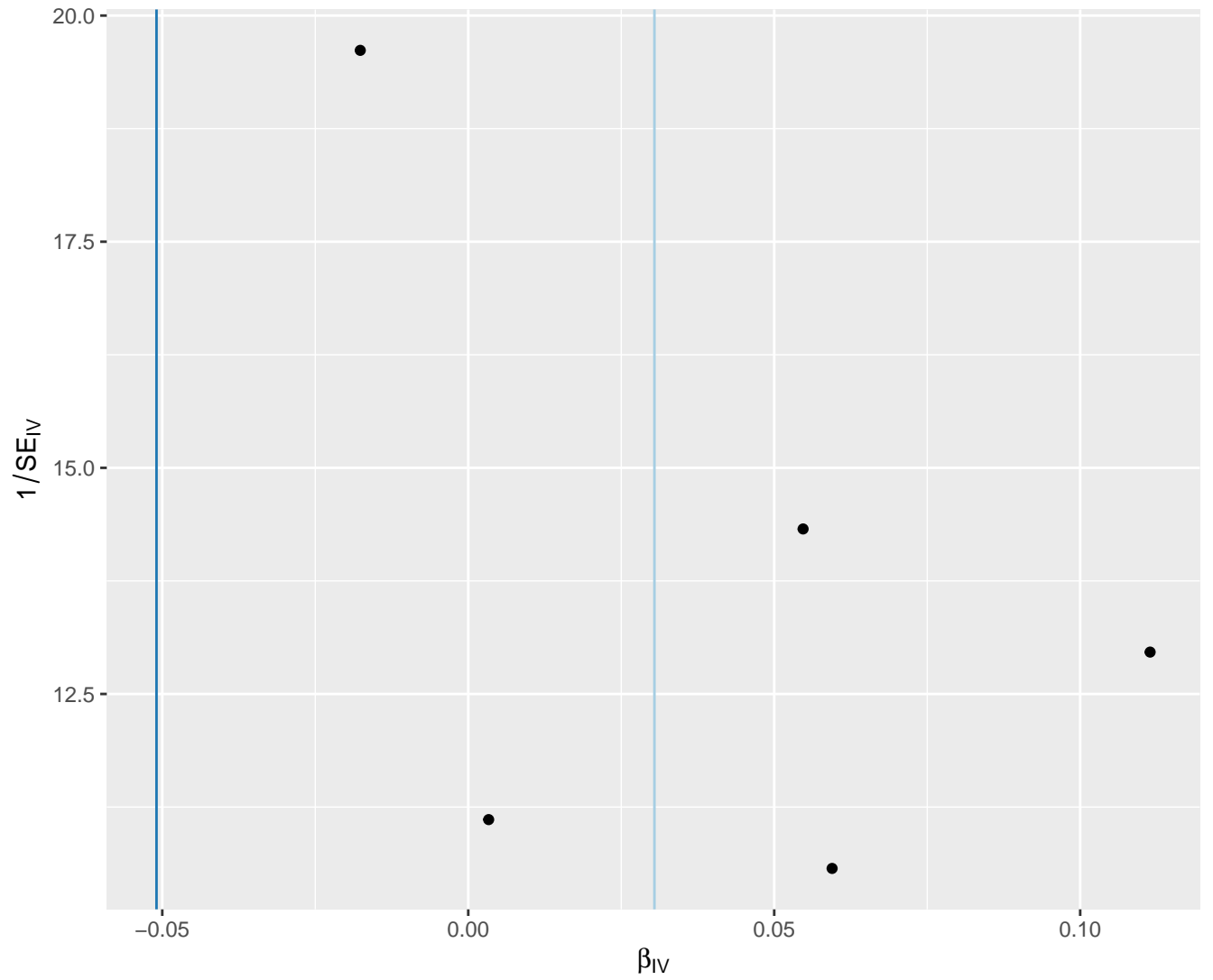
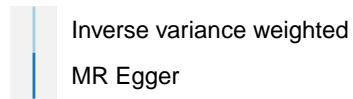
Lysine

MR Method



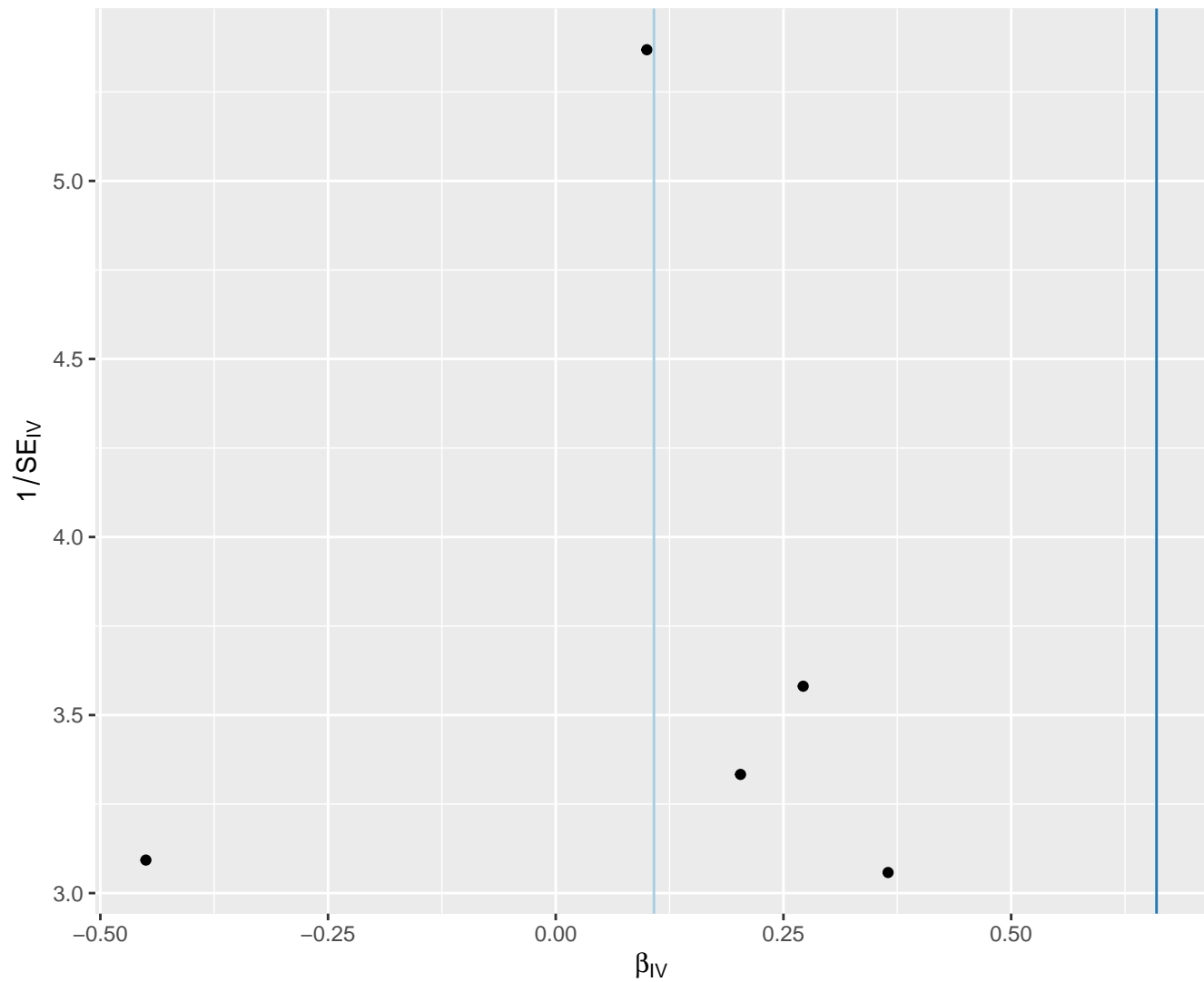
# Malate

## MR Method



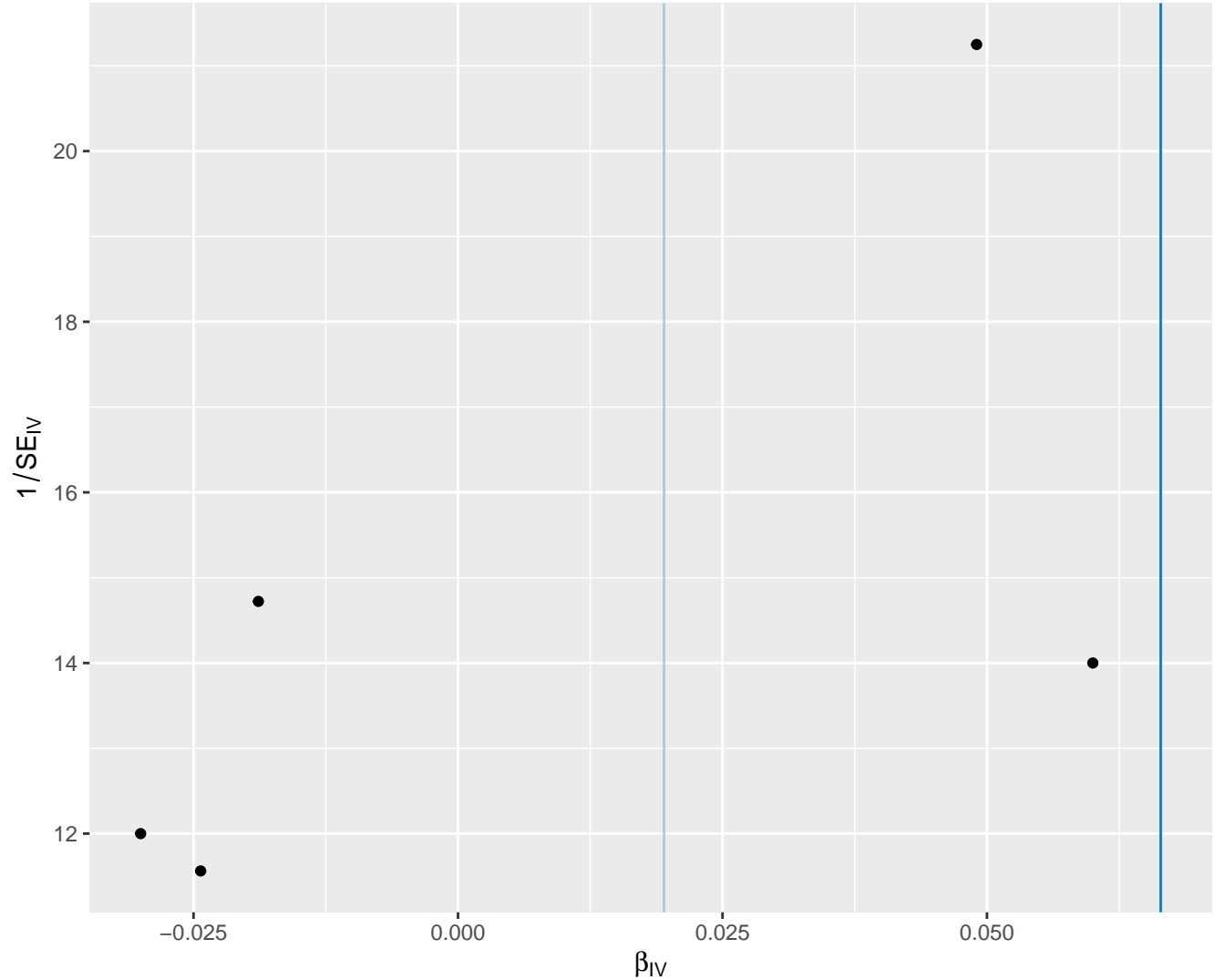
# Mannitol

## MR Method



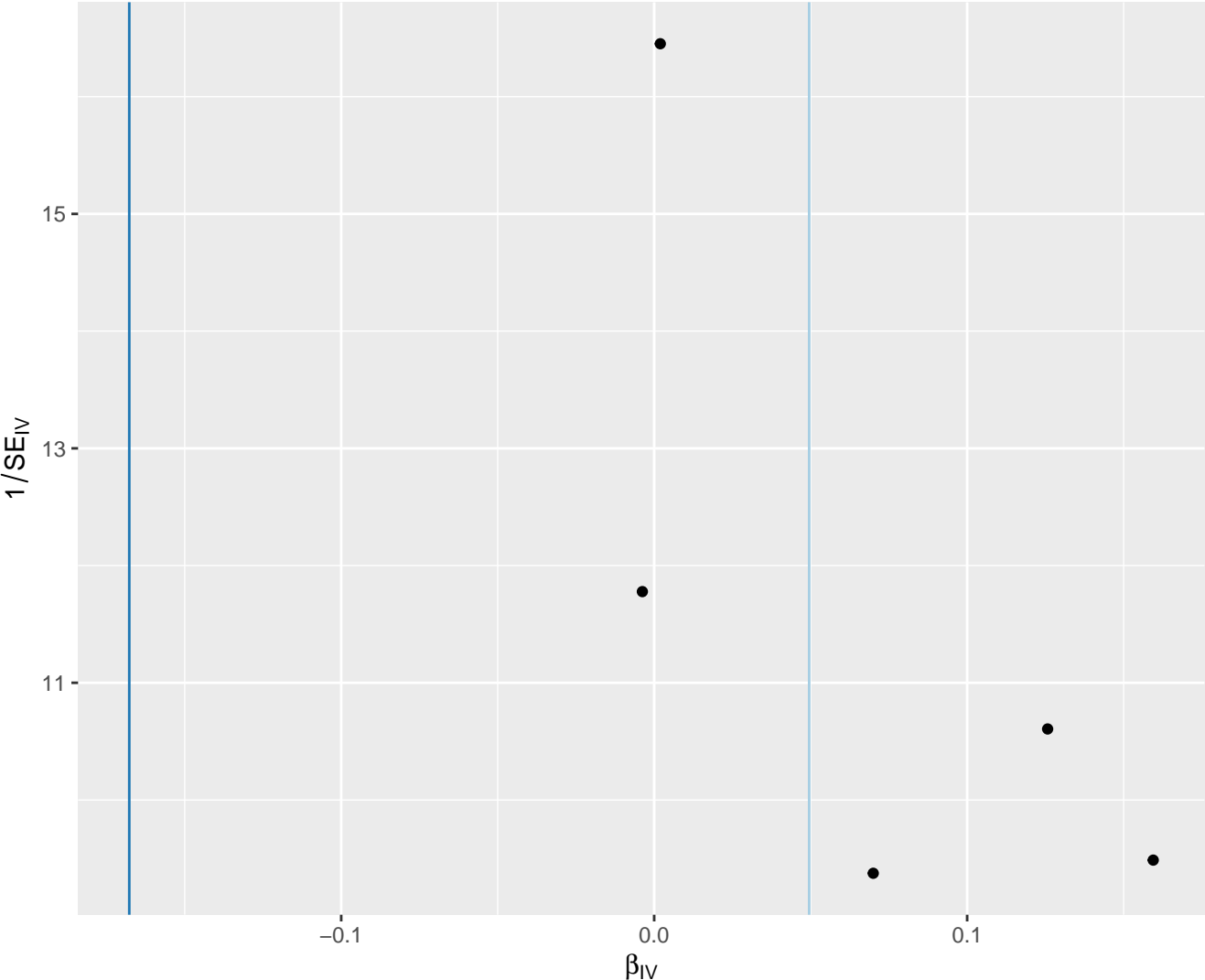
# Mannose

MR Method



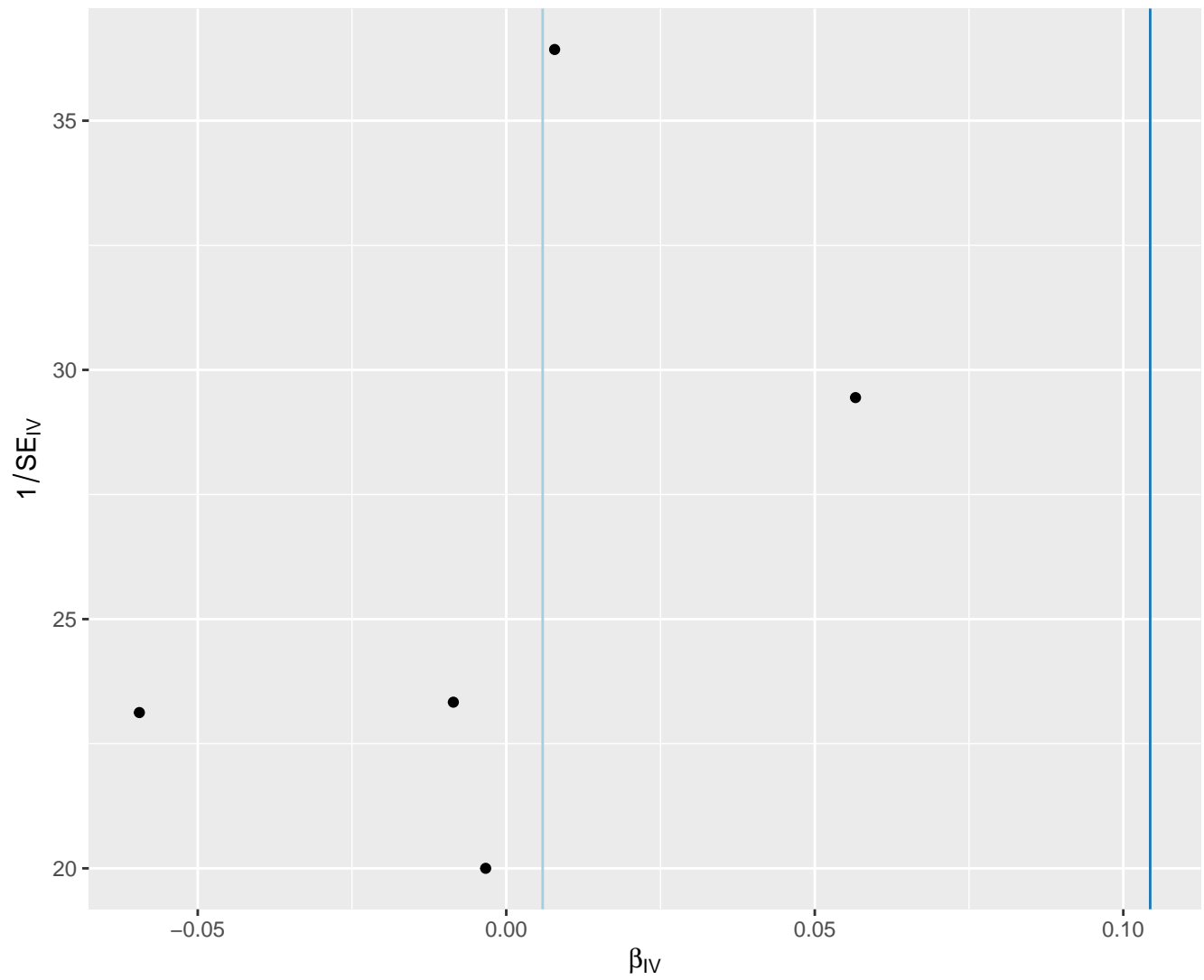
Margarate (17:0)

MR Method



# Methionine

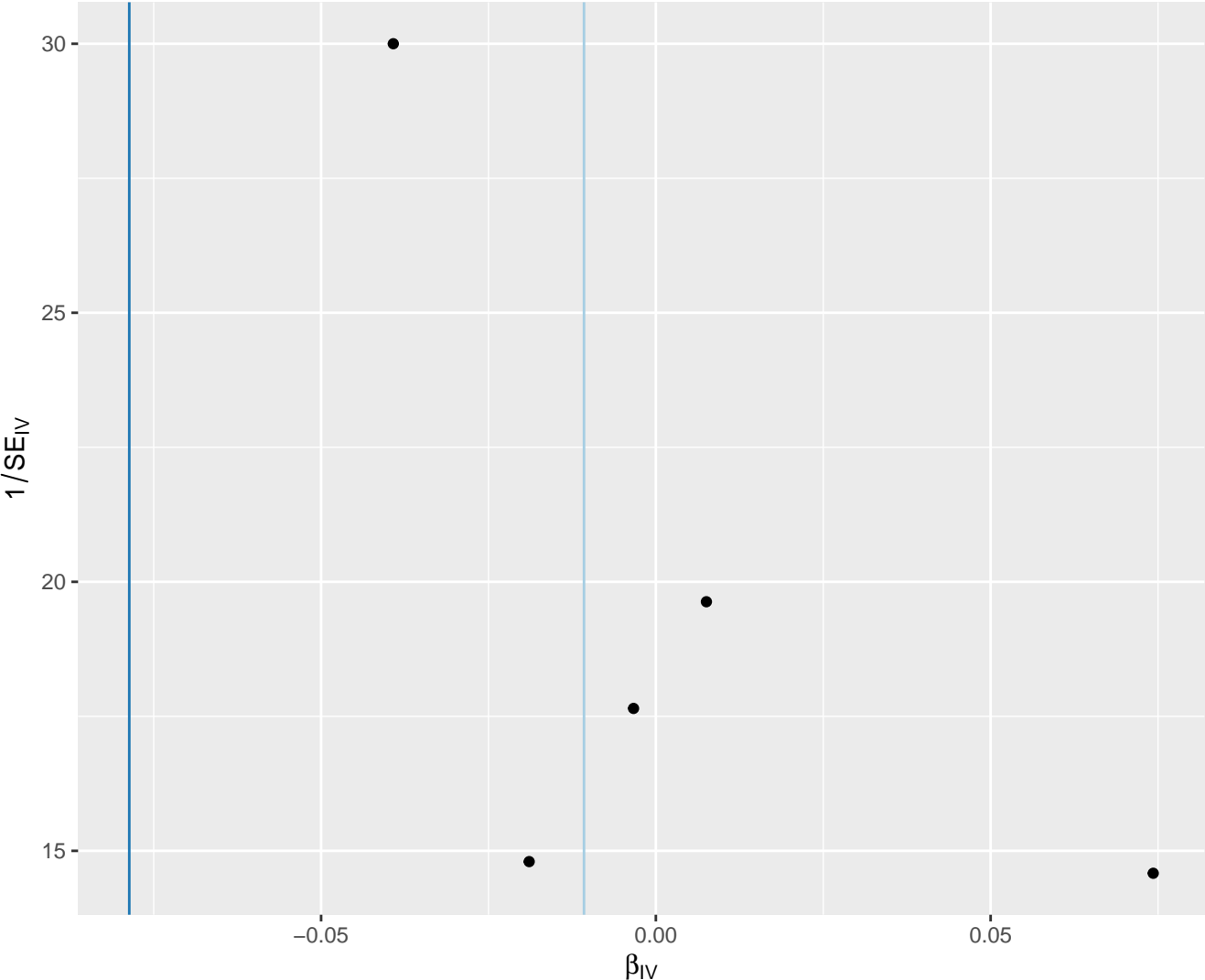
MR Method



# Myo-inositol

MR Method

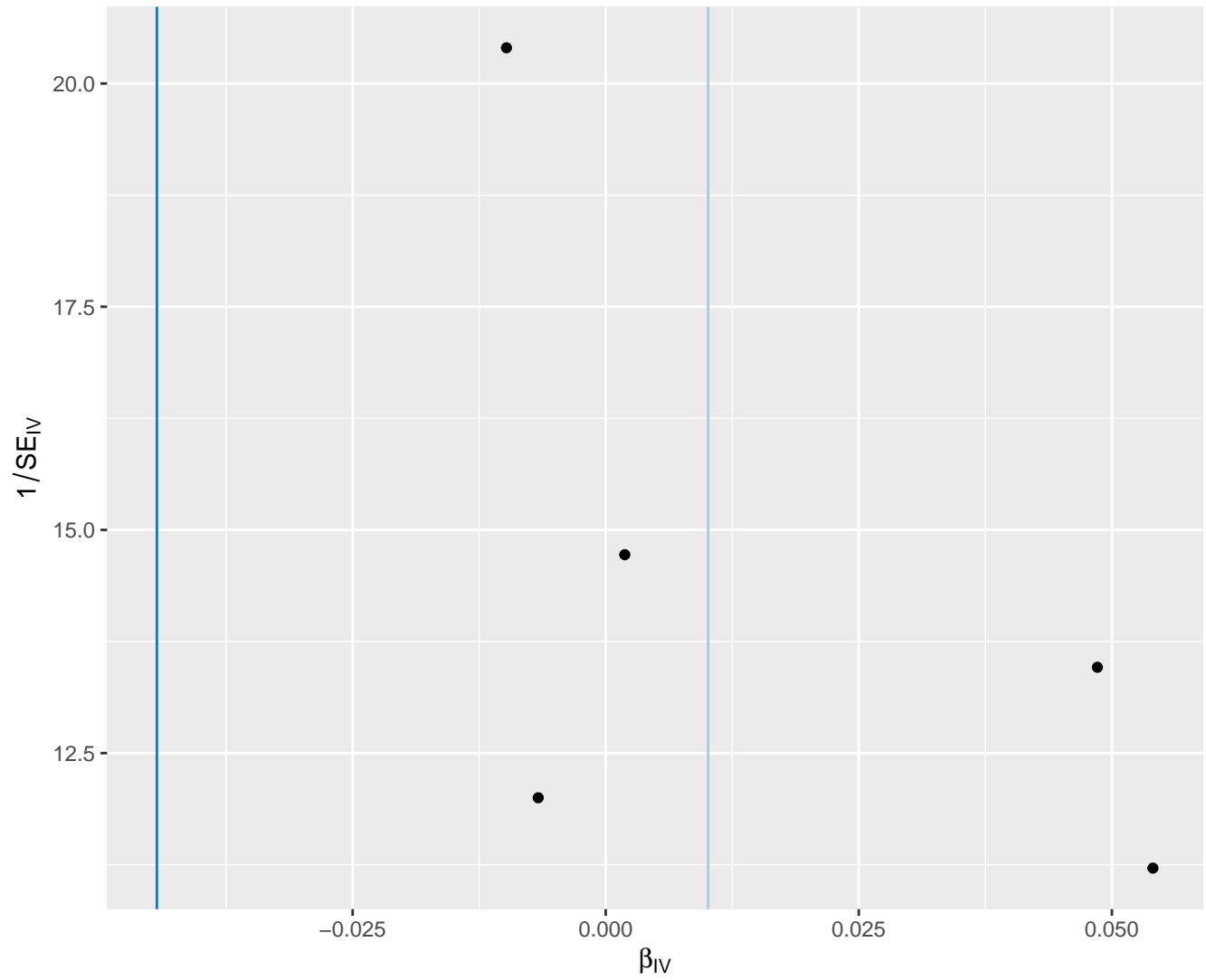
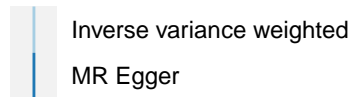
- Inverse variance weighted
- MR Egger





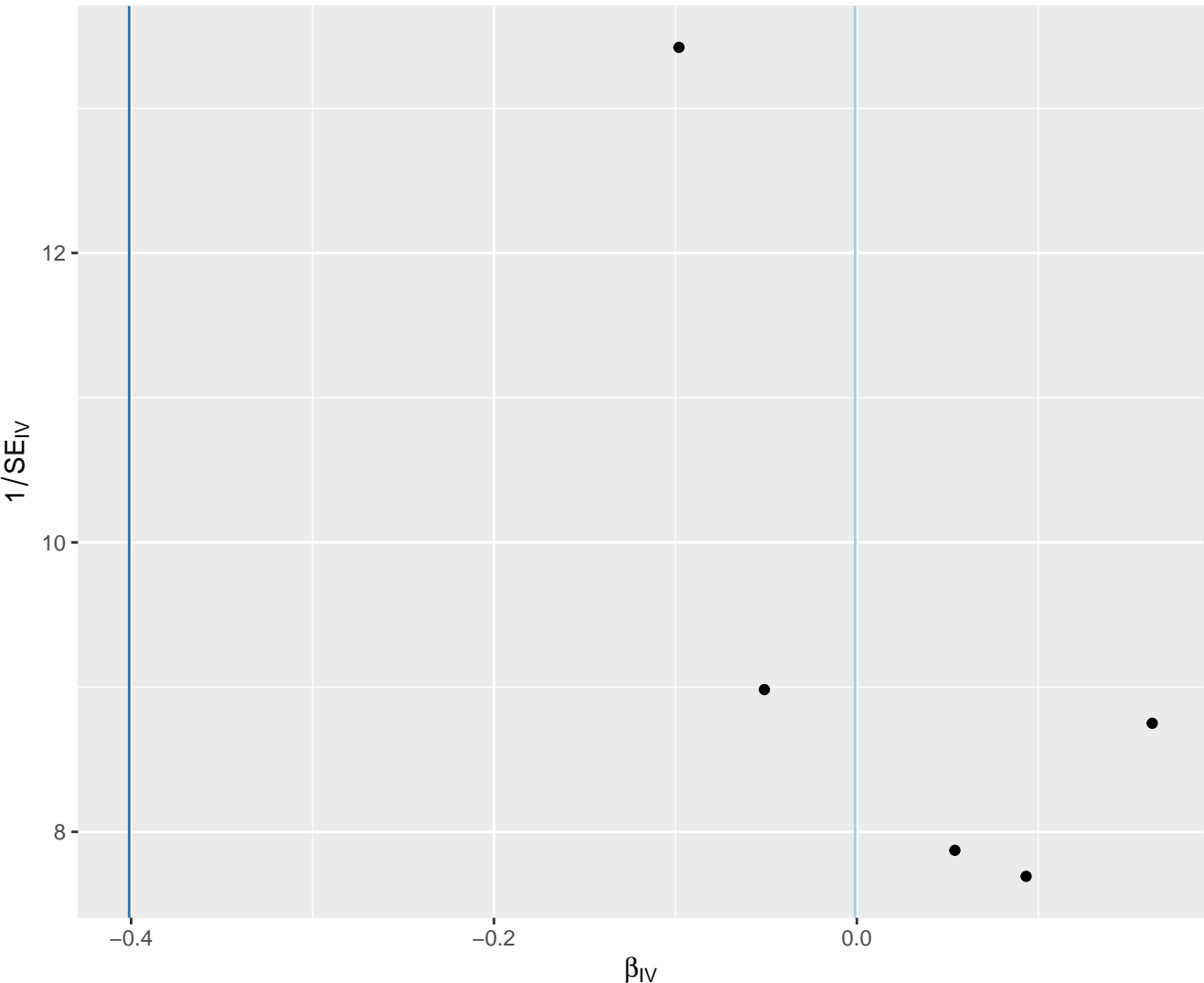
# Myristate (14:0)

MR Method



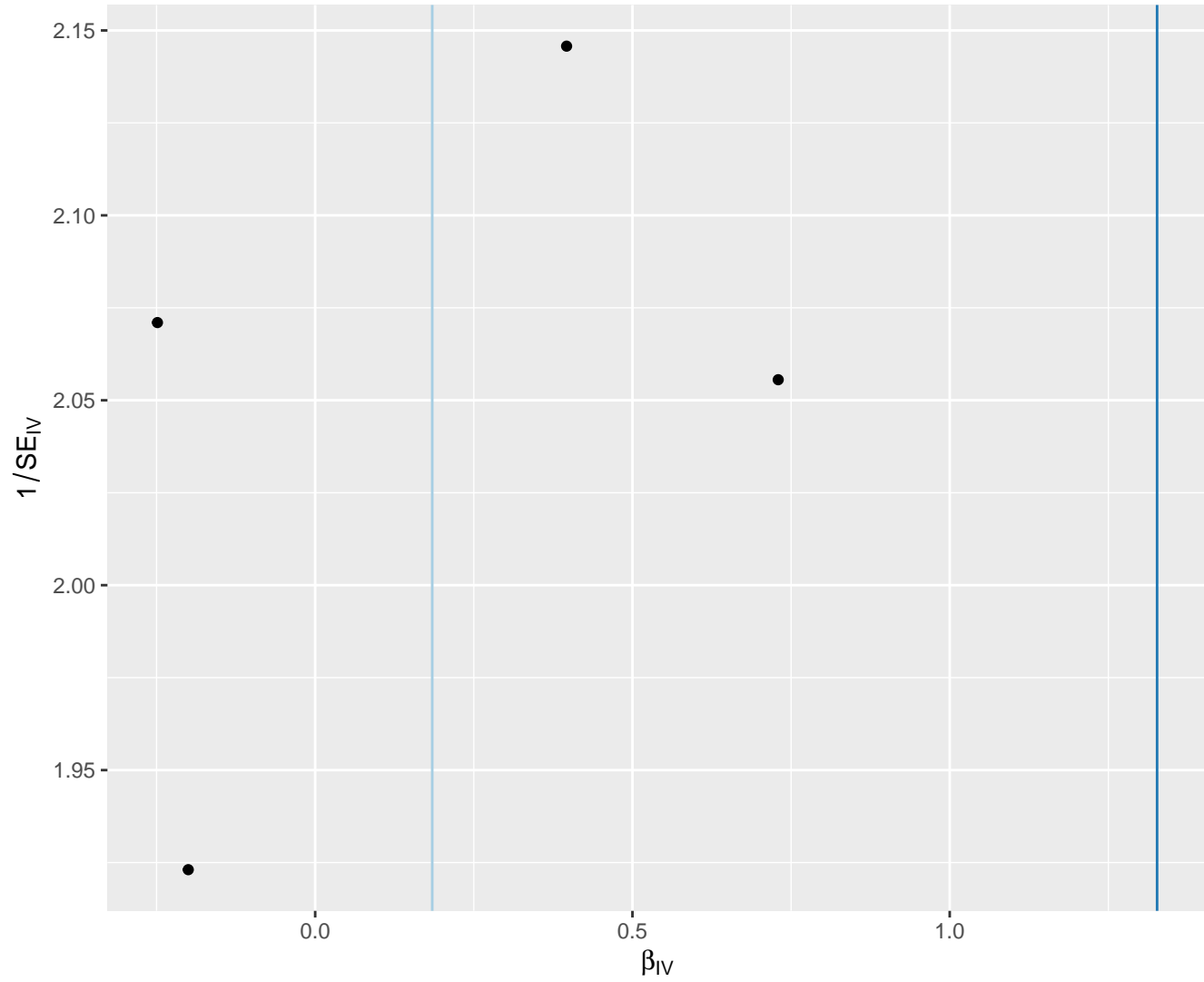
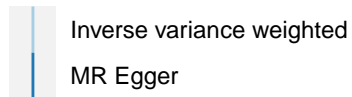
Myristoleate (14:1n5)

MR Method



# N-(2-furoyl)glycine

MR Method

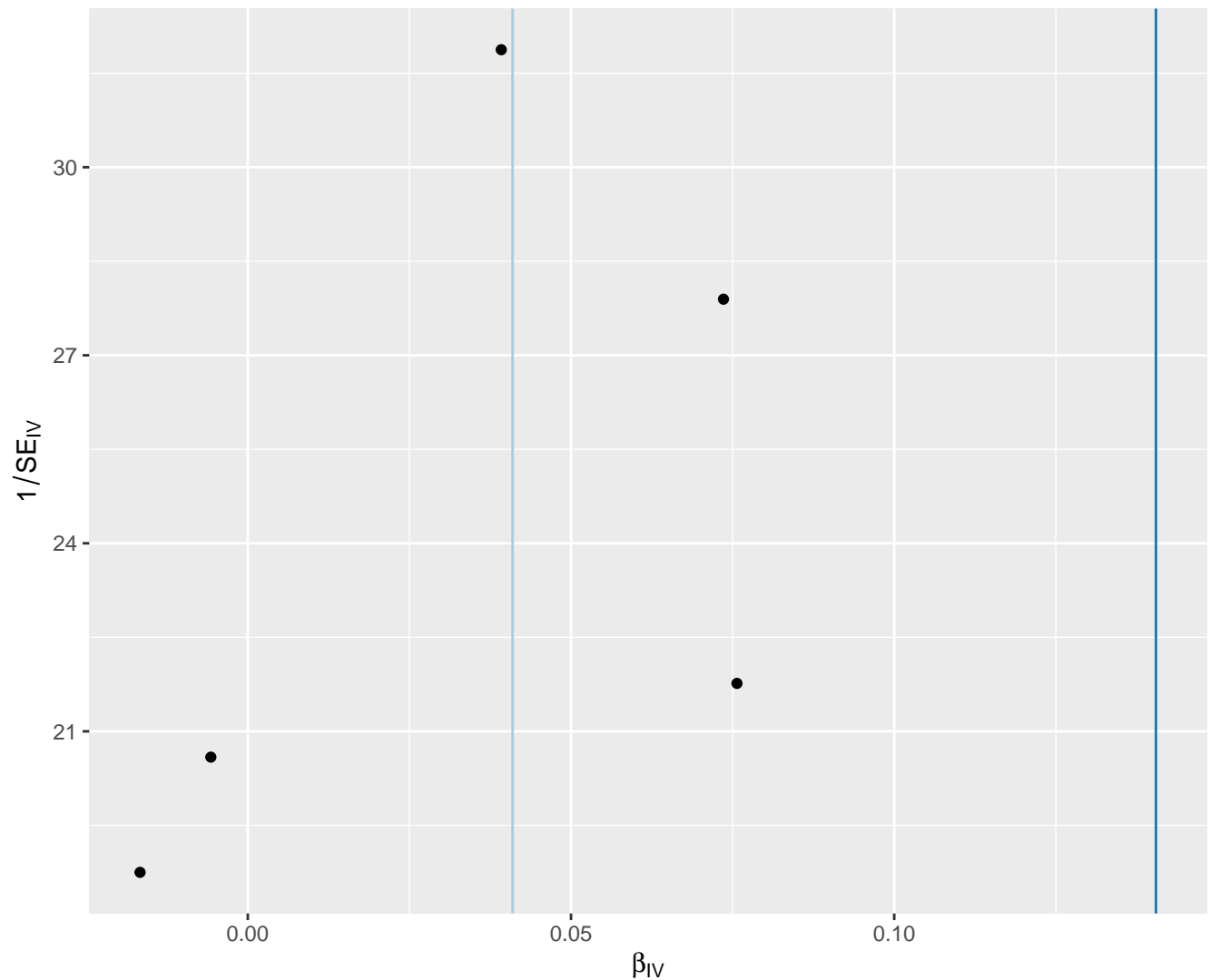


# N-acetylalanine

MR Method

Inverse variance weighted

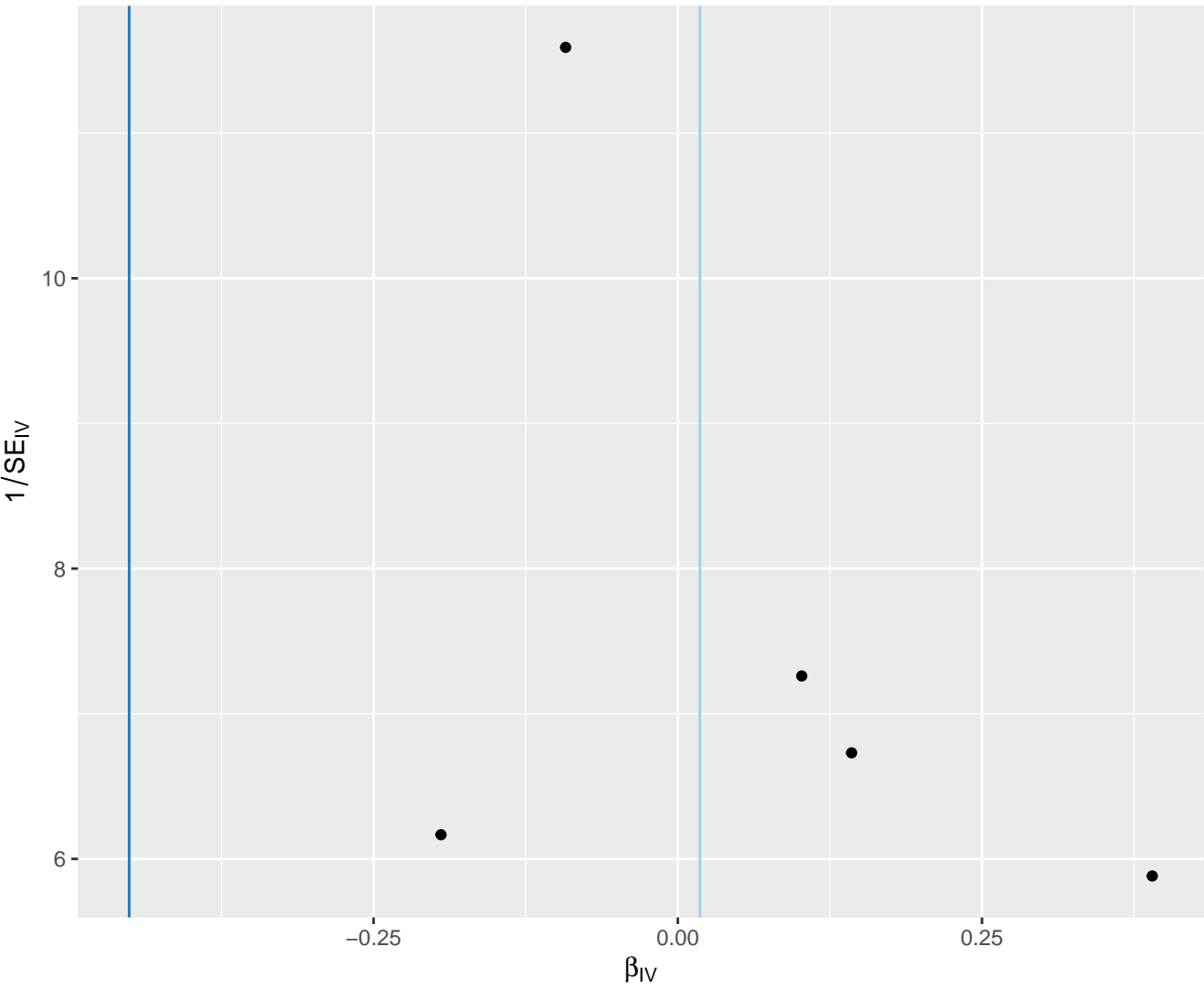
MR Egger



# N-acetylglycine

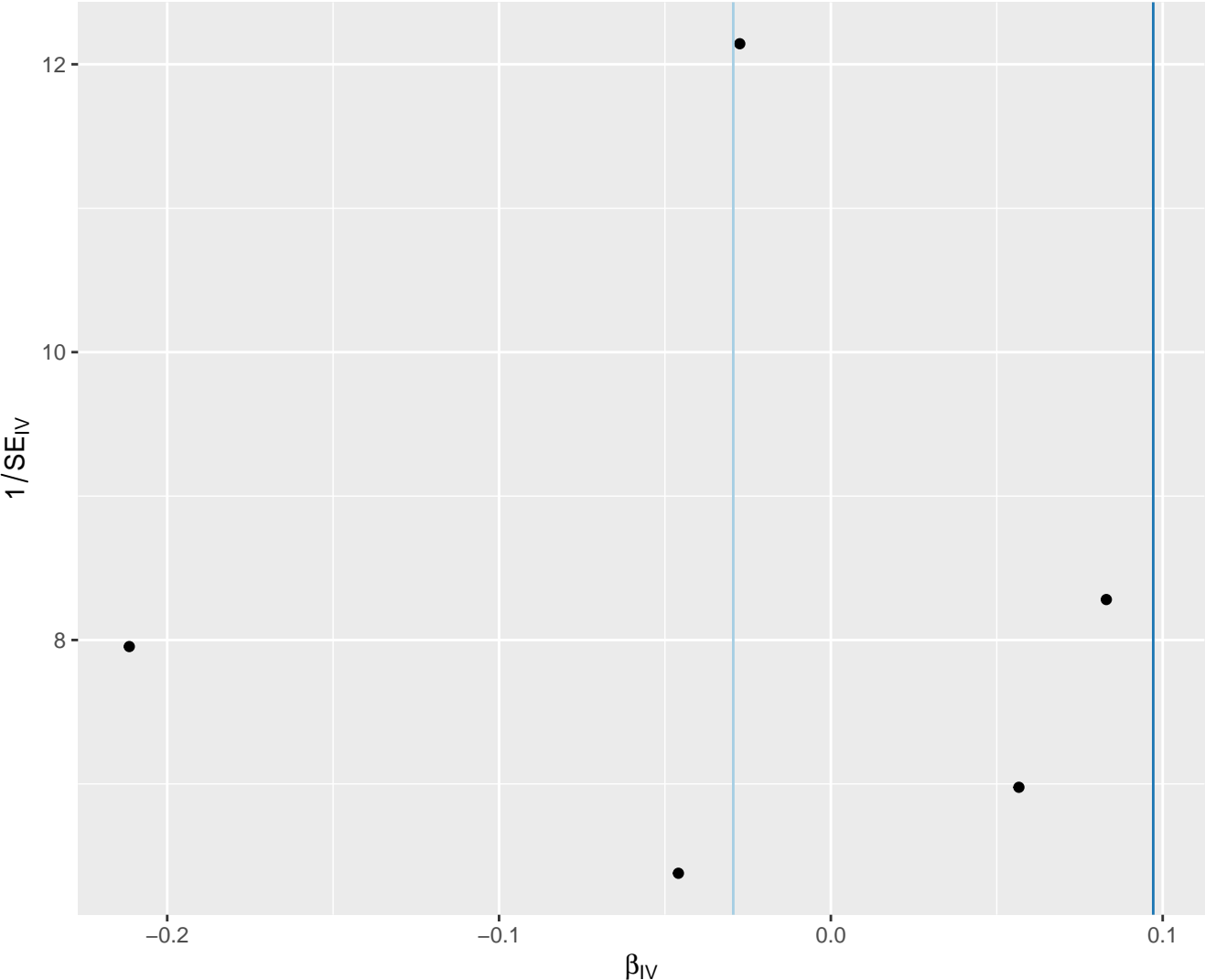
MR Method

- Inverse variance weighted
- MR Egger



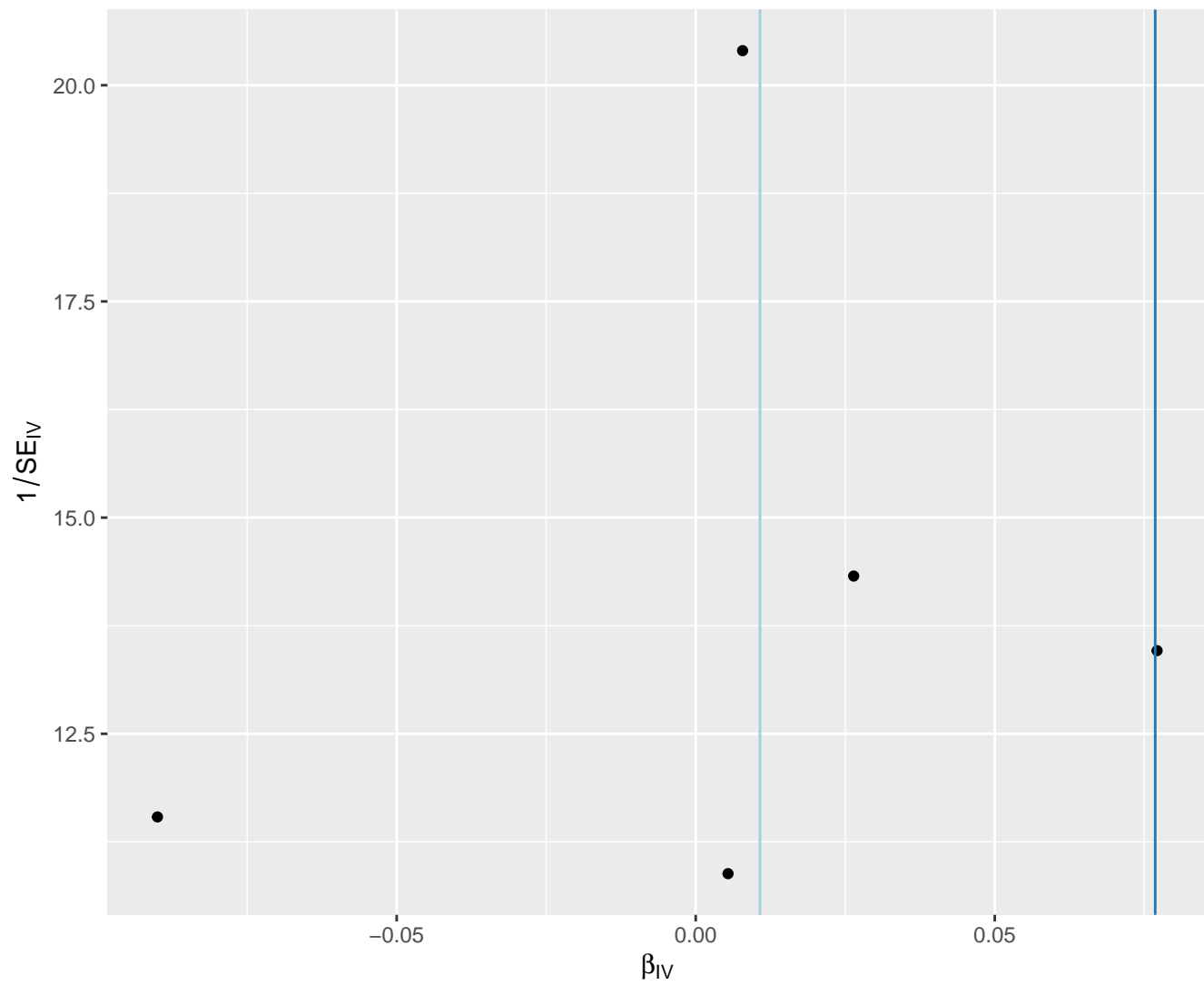
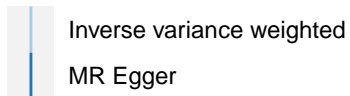
# N-acetylorcithine

MR Method



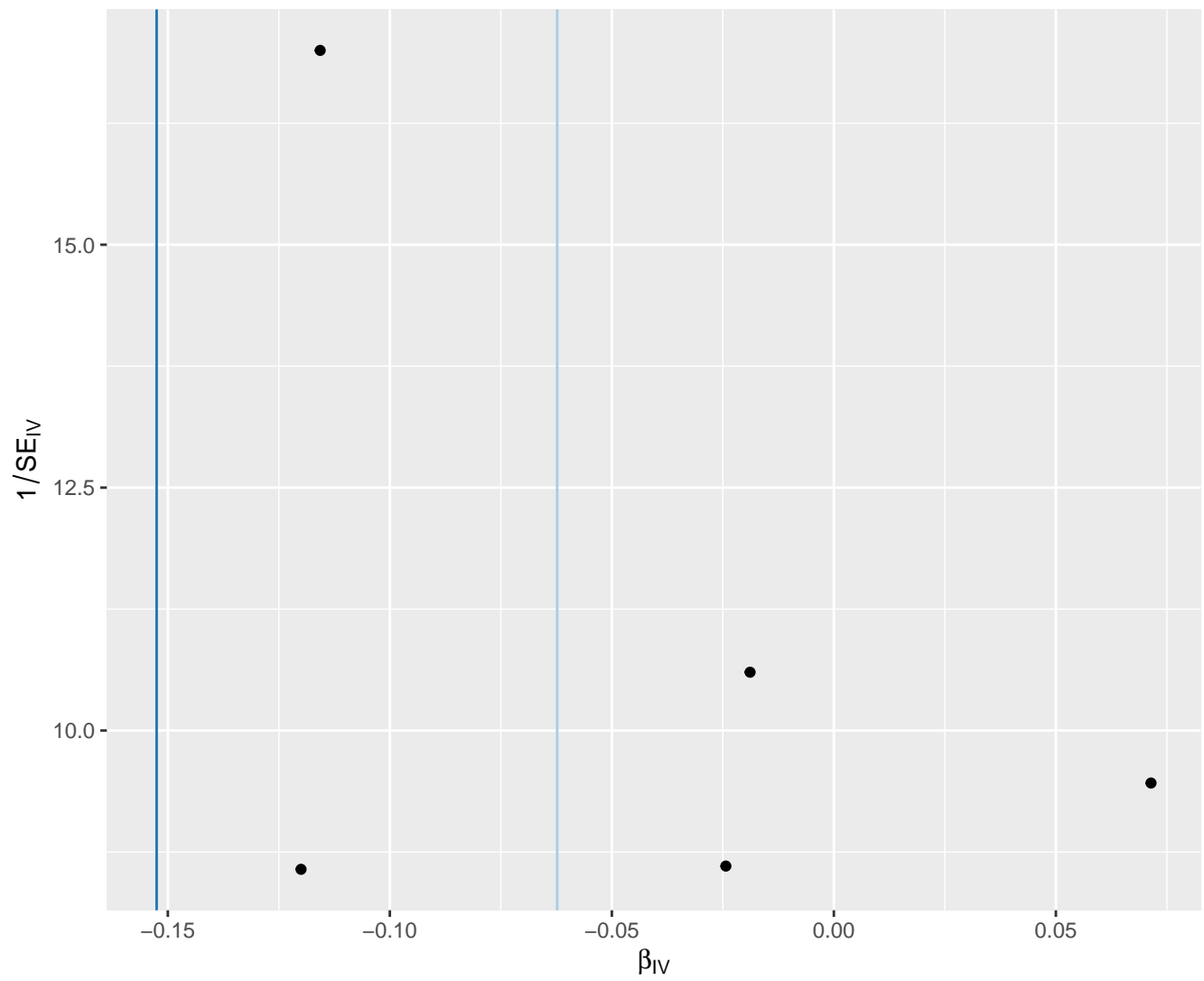
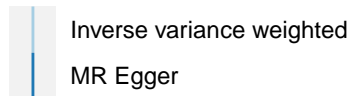
# N-acetylthreonine

MR Method



# N-Butyl Oleate

MR Method





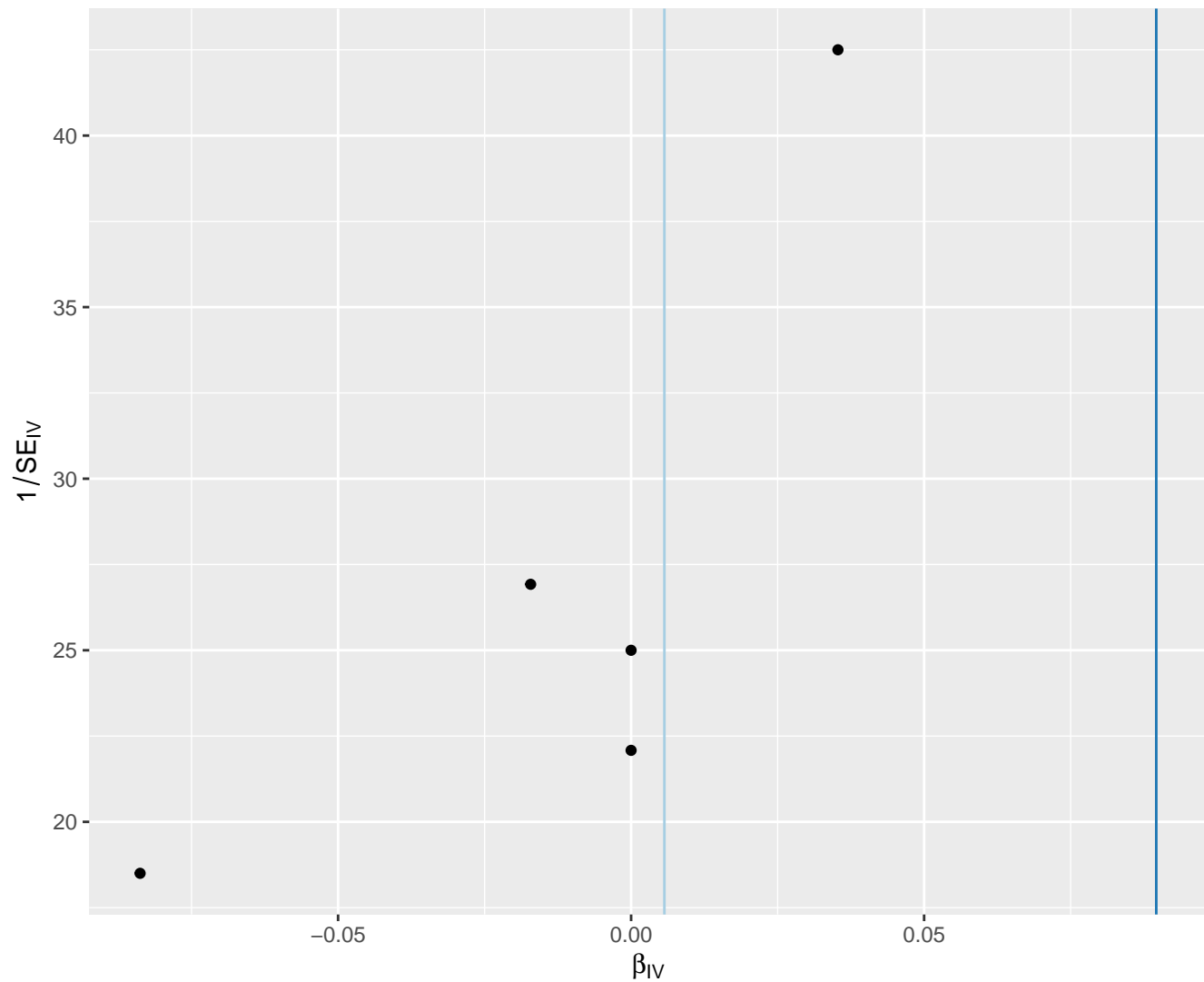
# N1-methyladenosine

MR Method



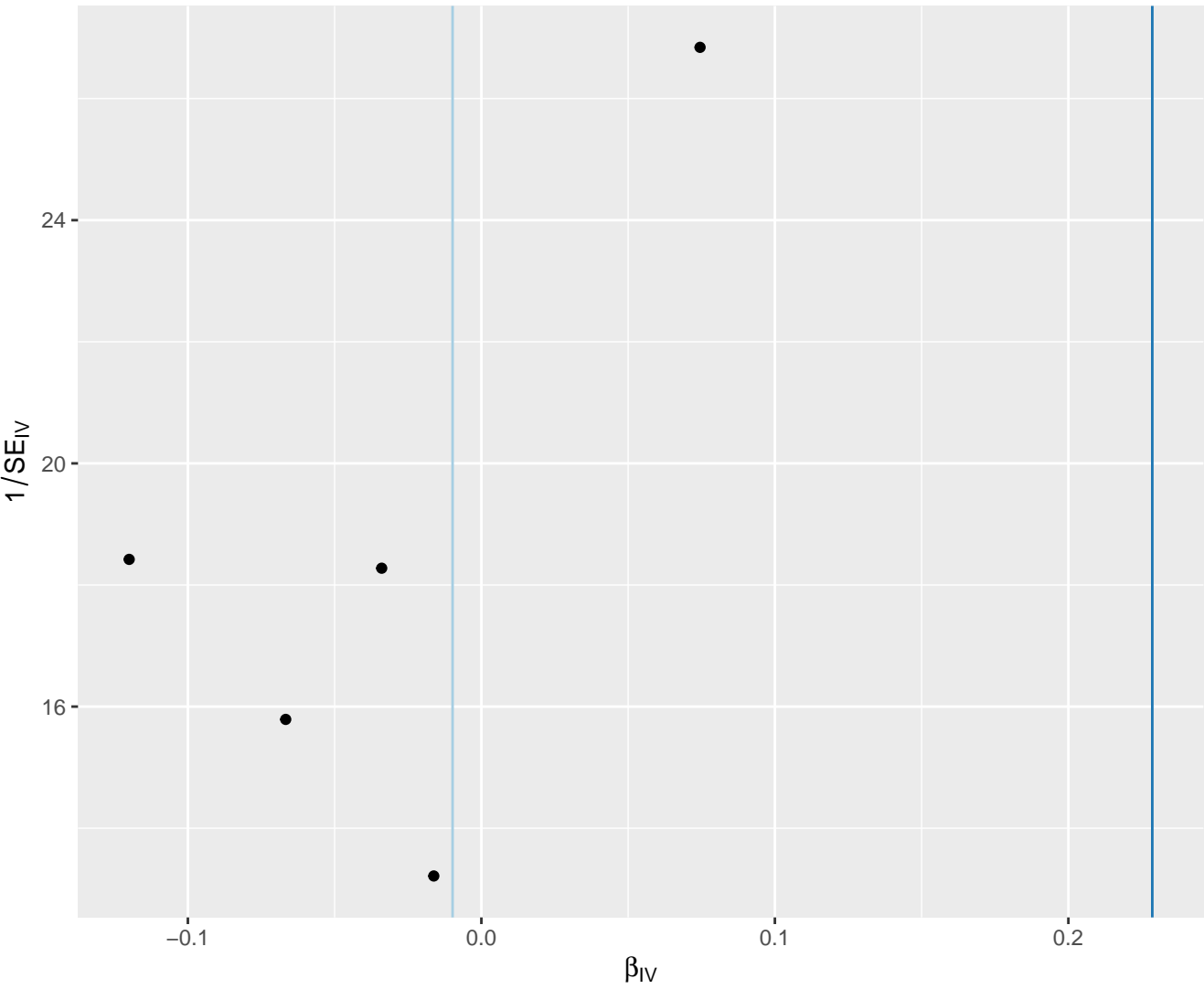
Inverse variance weighted

MR Egger



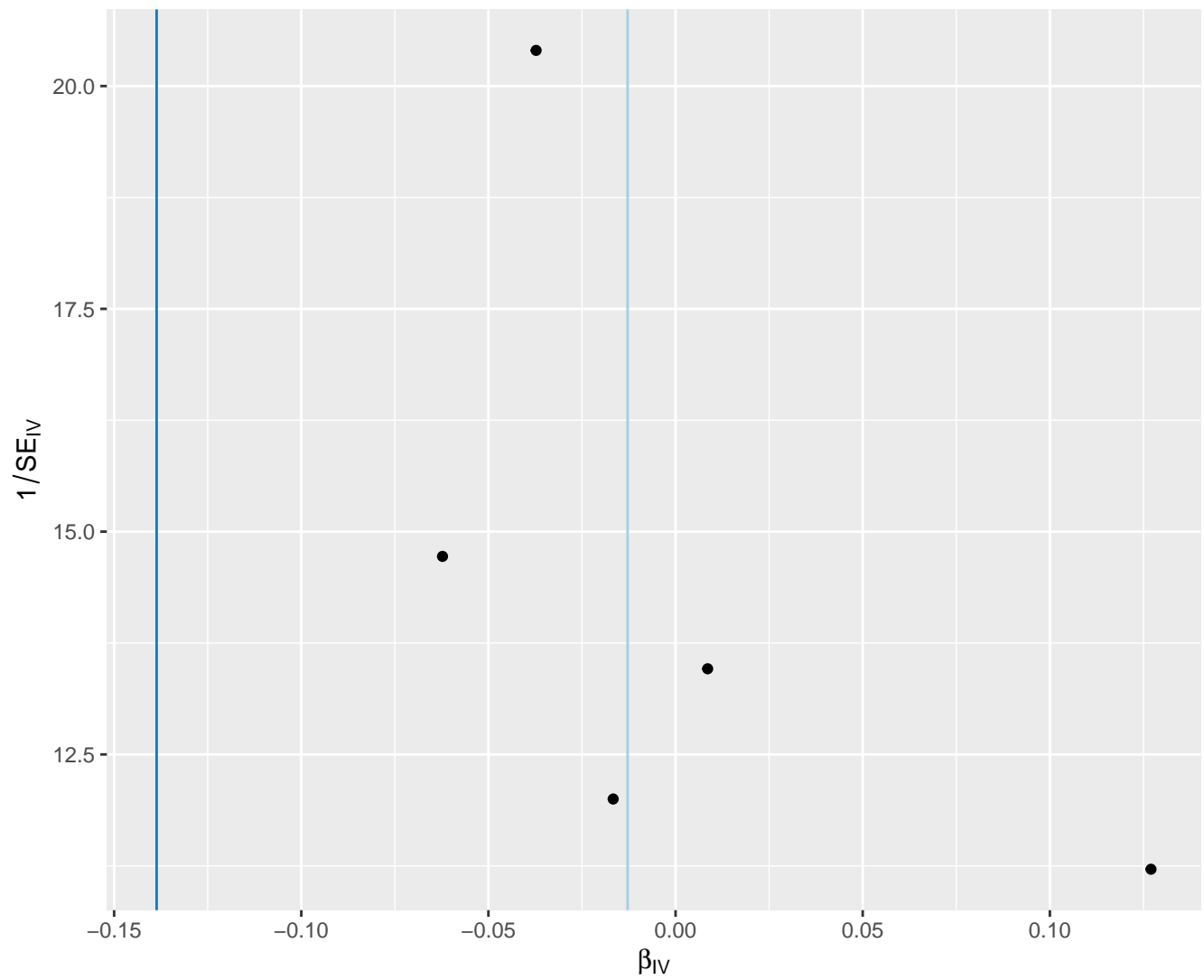
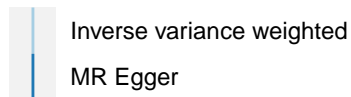
N2,N2-dimethylguanosine

MR Method



# Nonadecanoate (19:0)

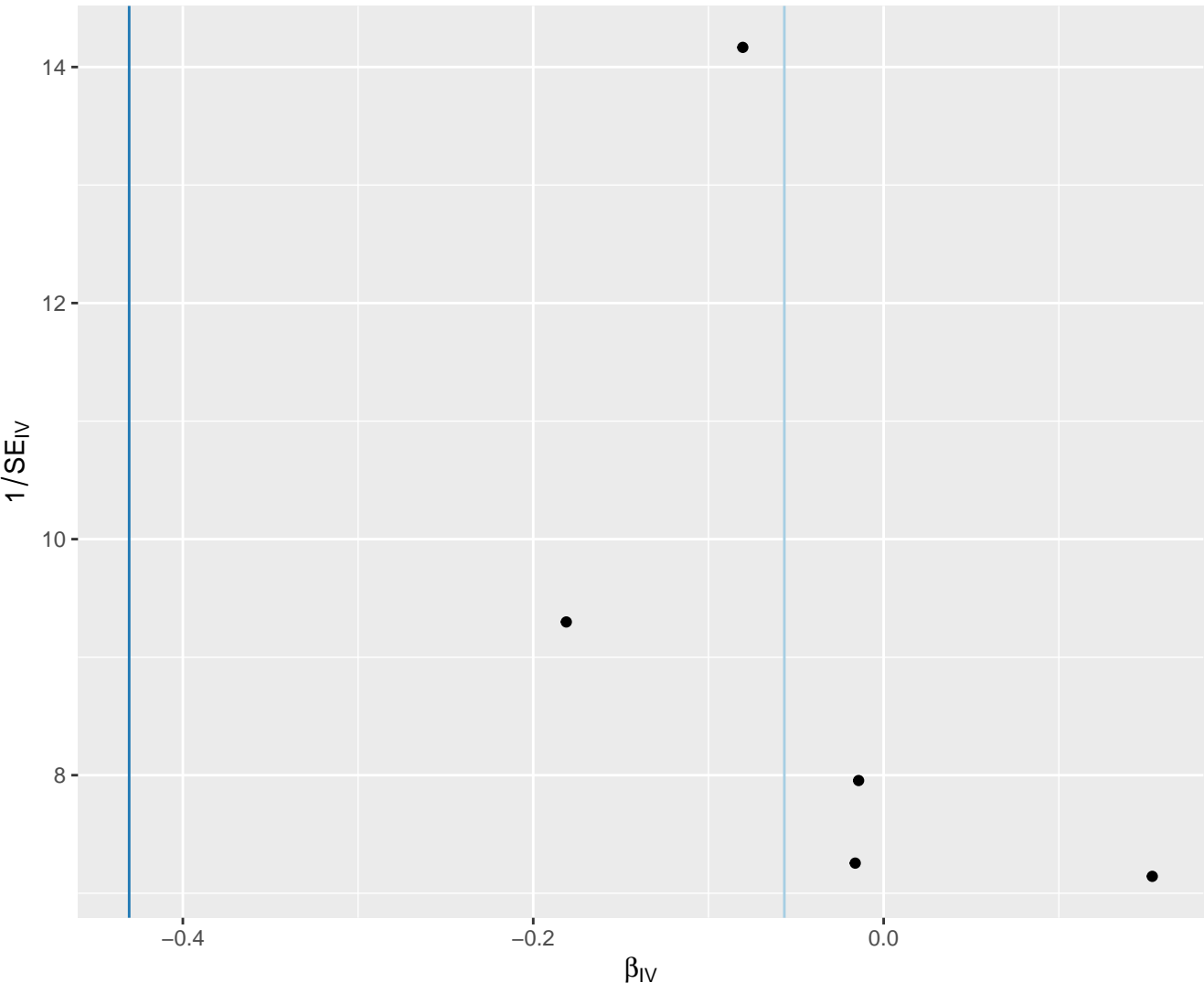
MR Method



# Octadecanedioate

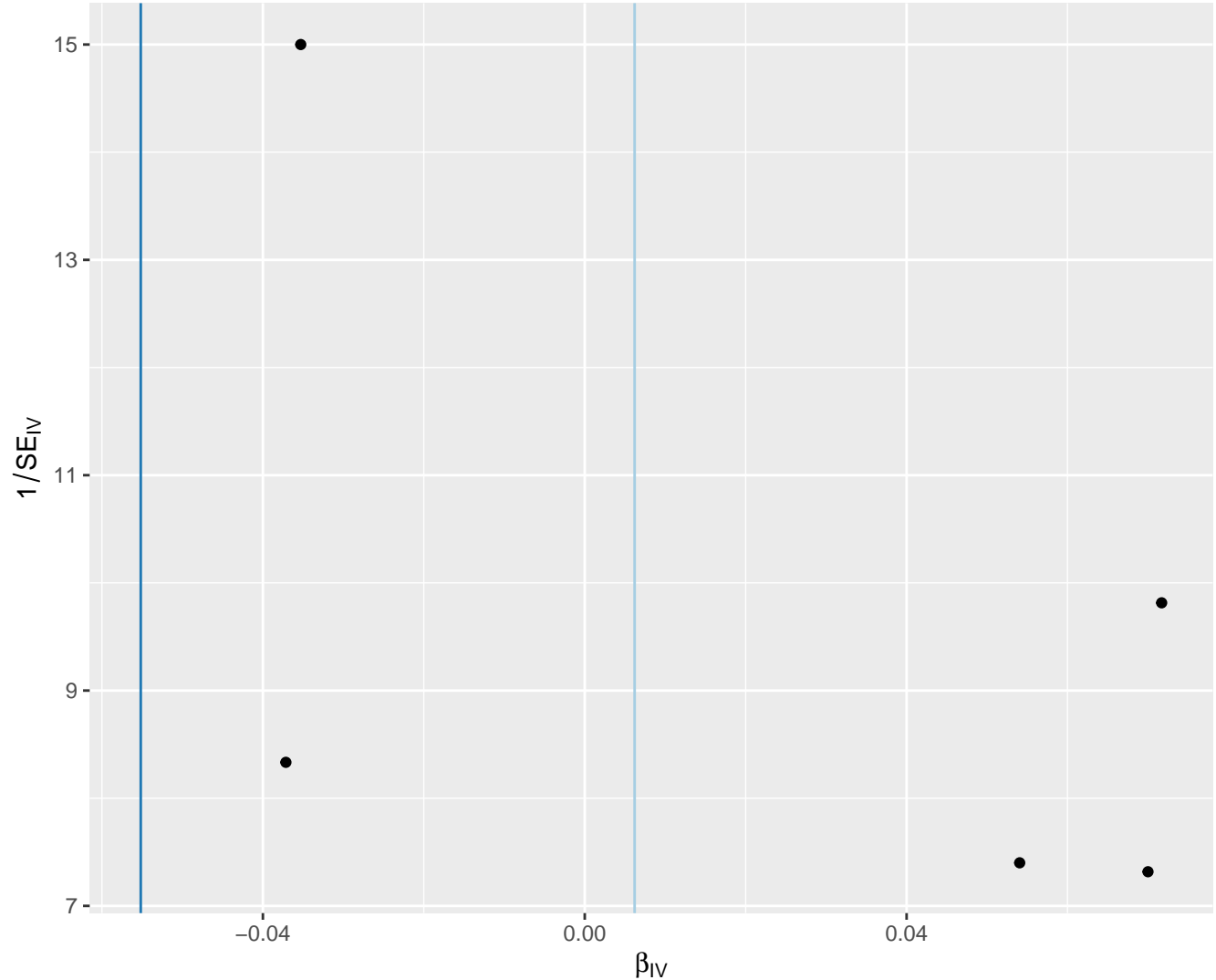
MR Method

- Inverse variance weighted
- MR Egger



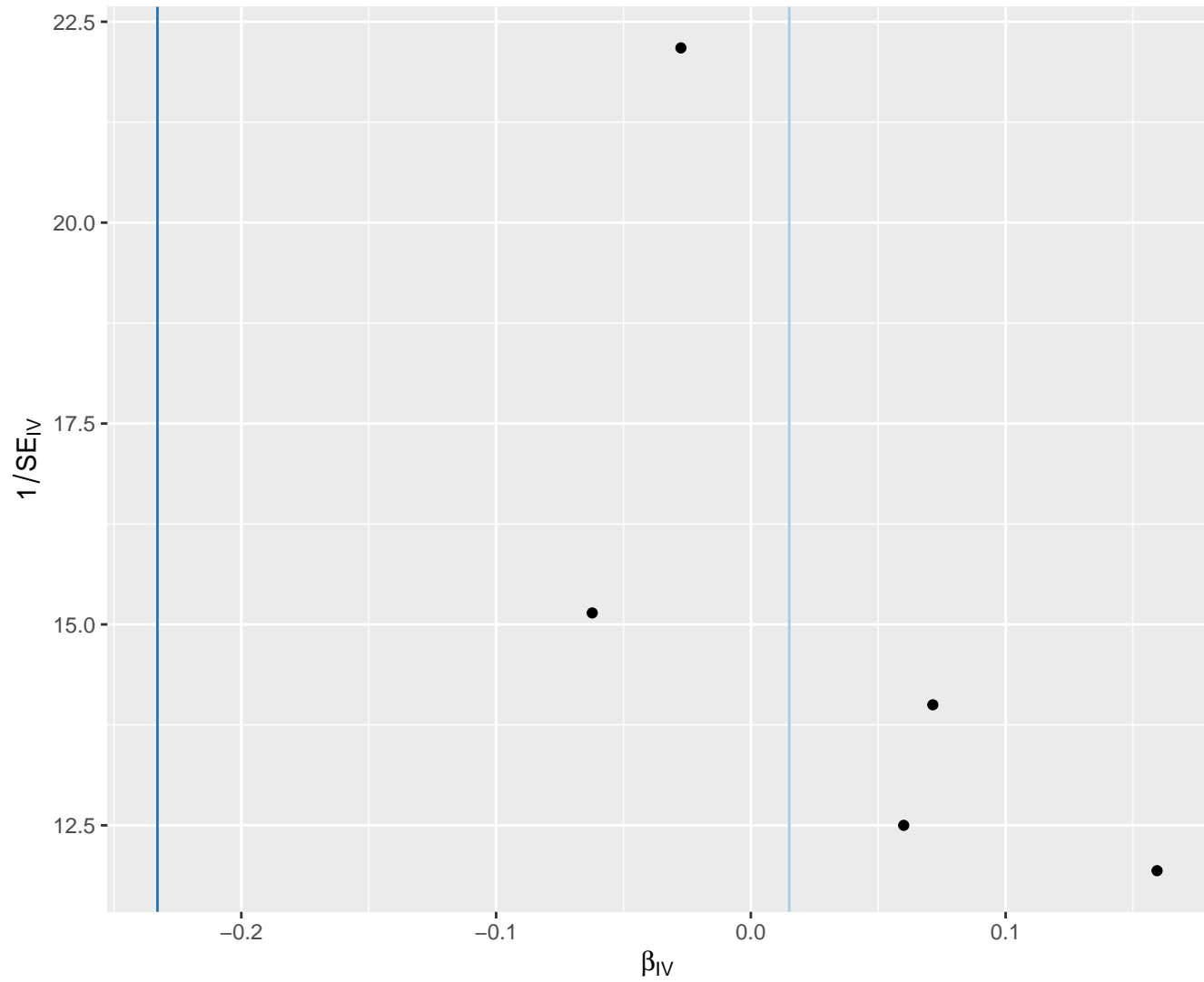
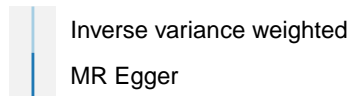
# Octanoylcarnitine

MR Method



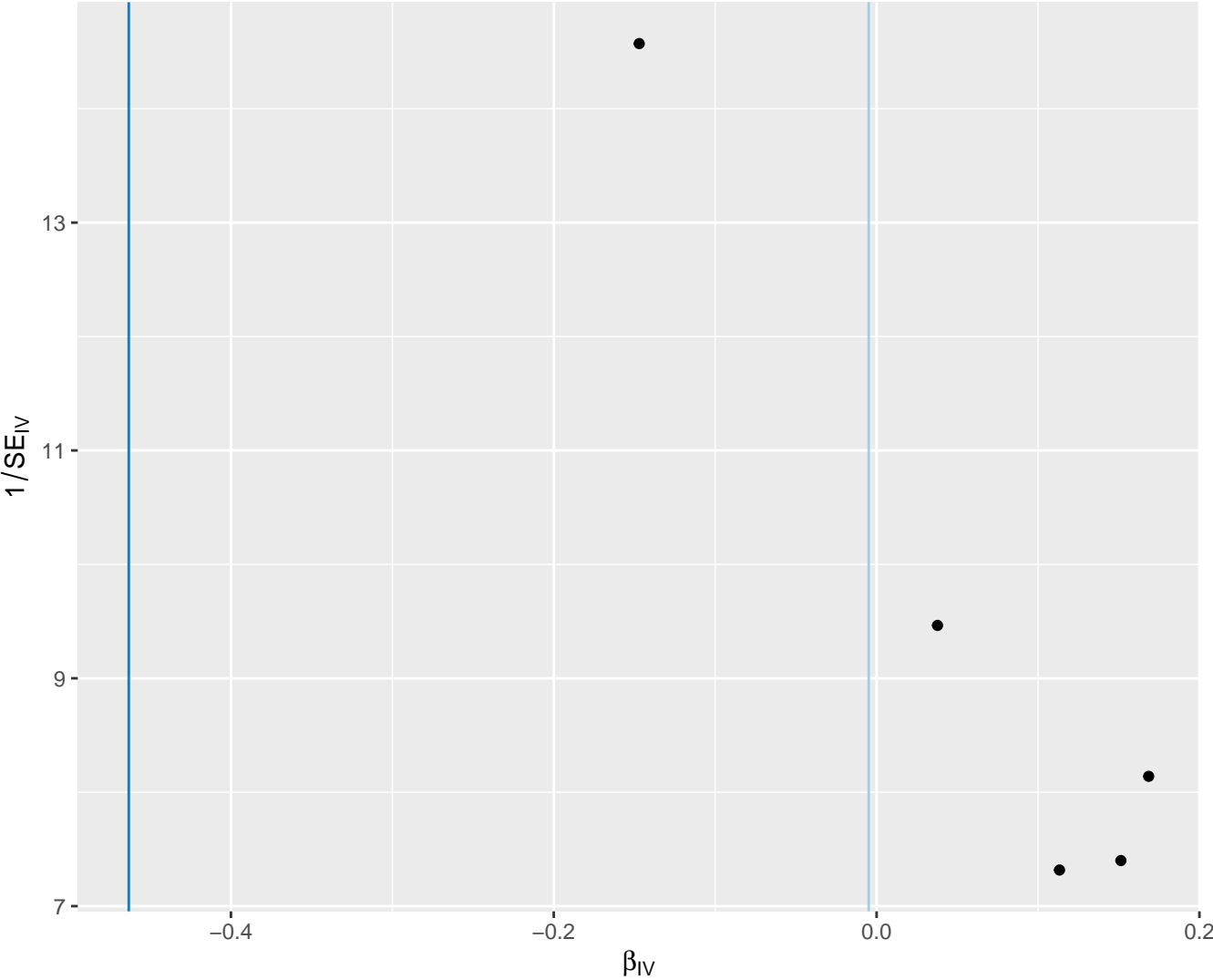
# Oleate (18:1n9)

MR Method



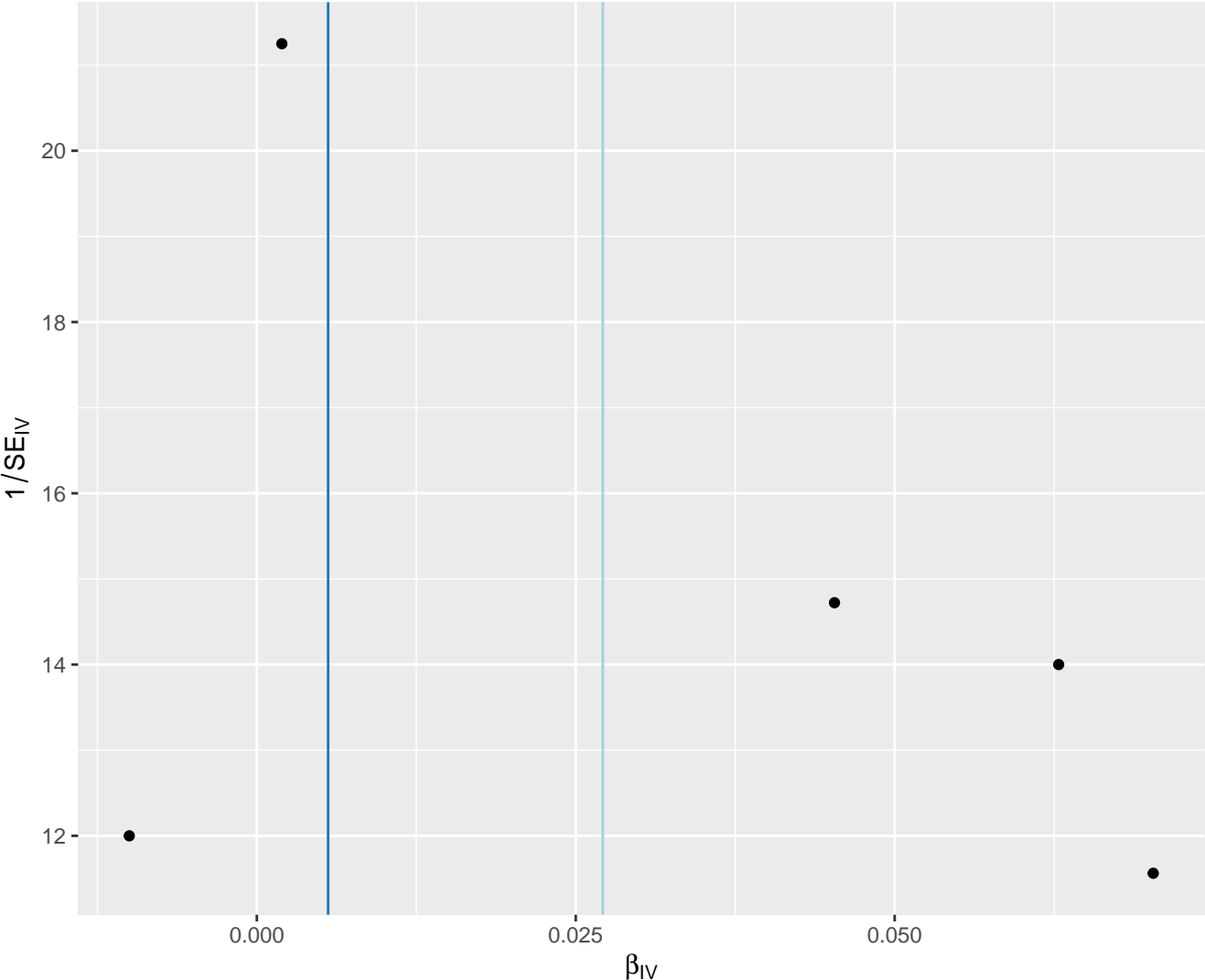
# Oleoylcarnitine

MR Method



# Ornithine

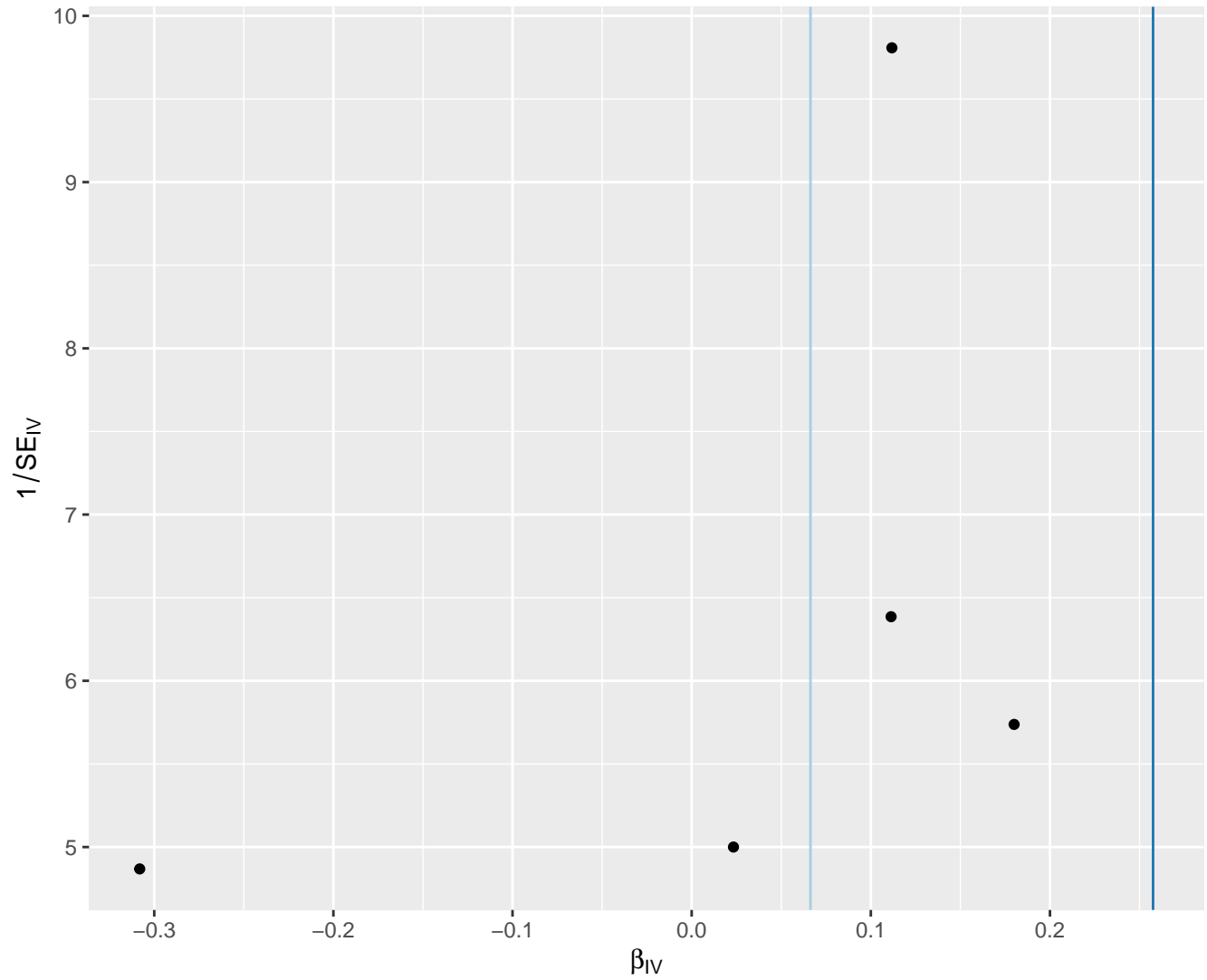
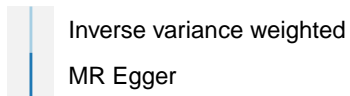
MR Method





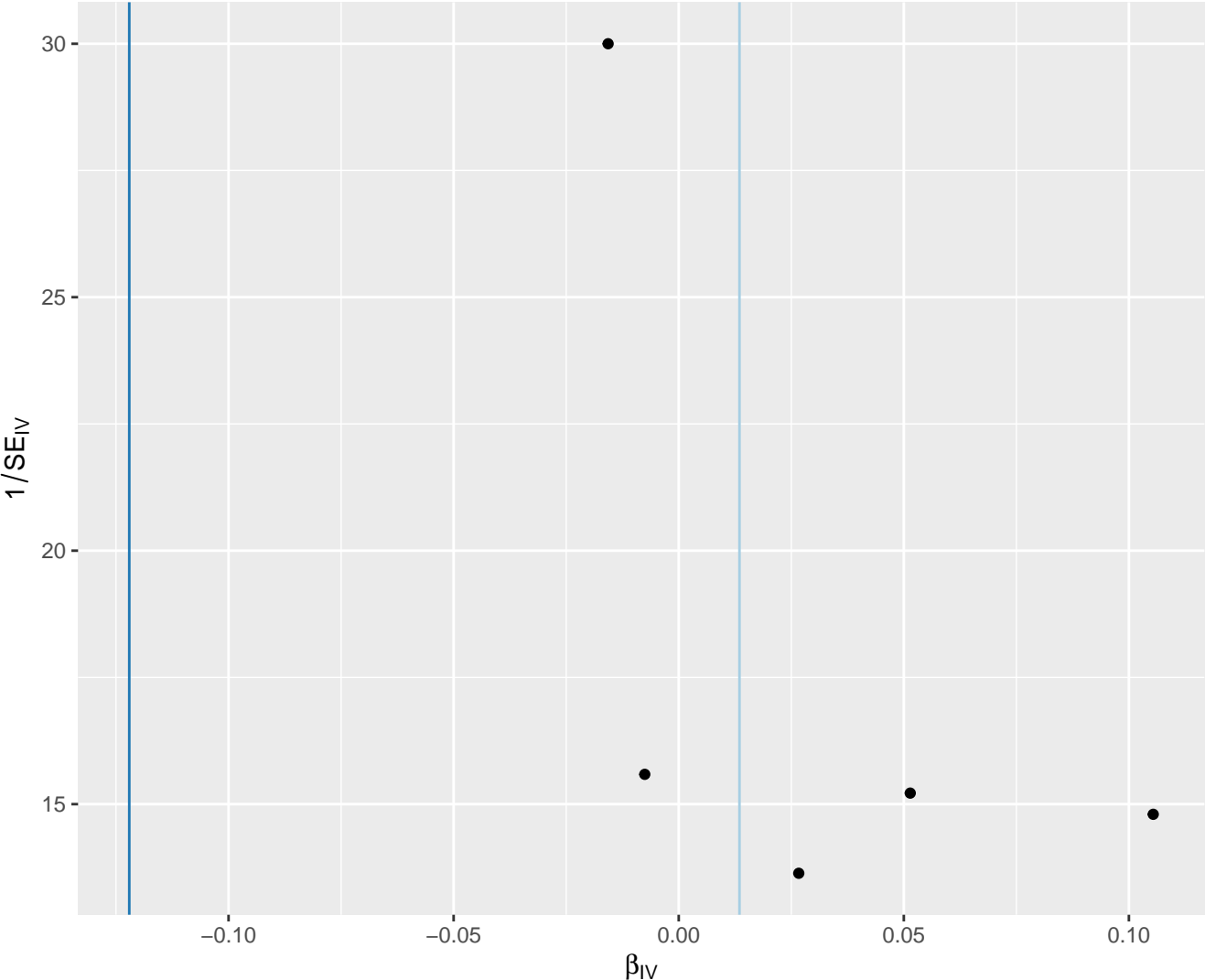
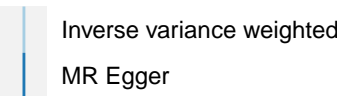
# P-cresol sulfate

MR Method

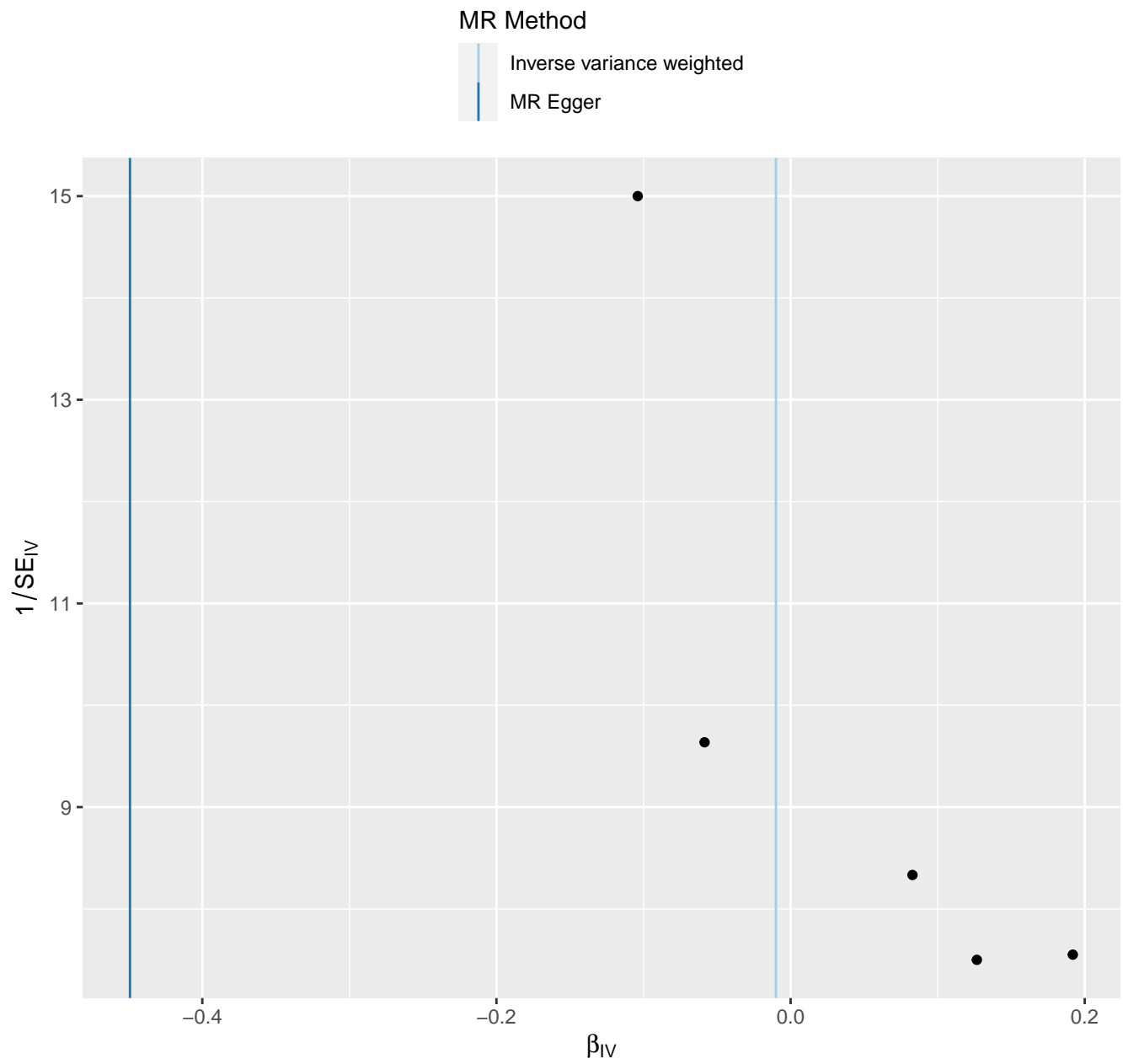


# Palmitate (16:0)

MR Method

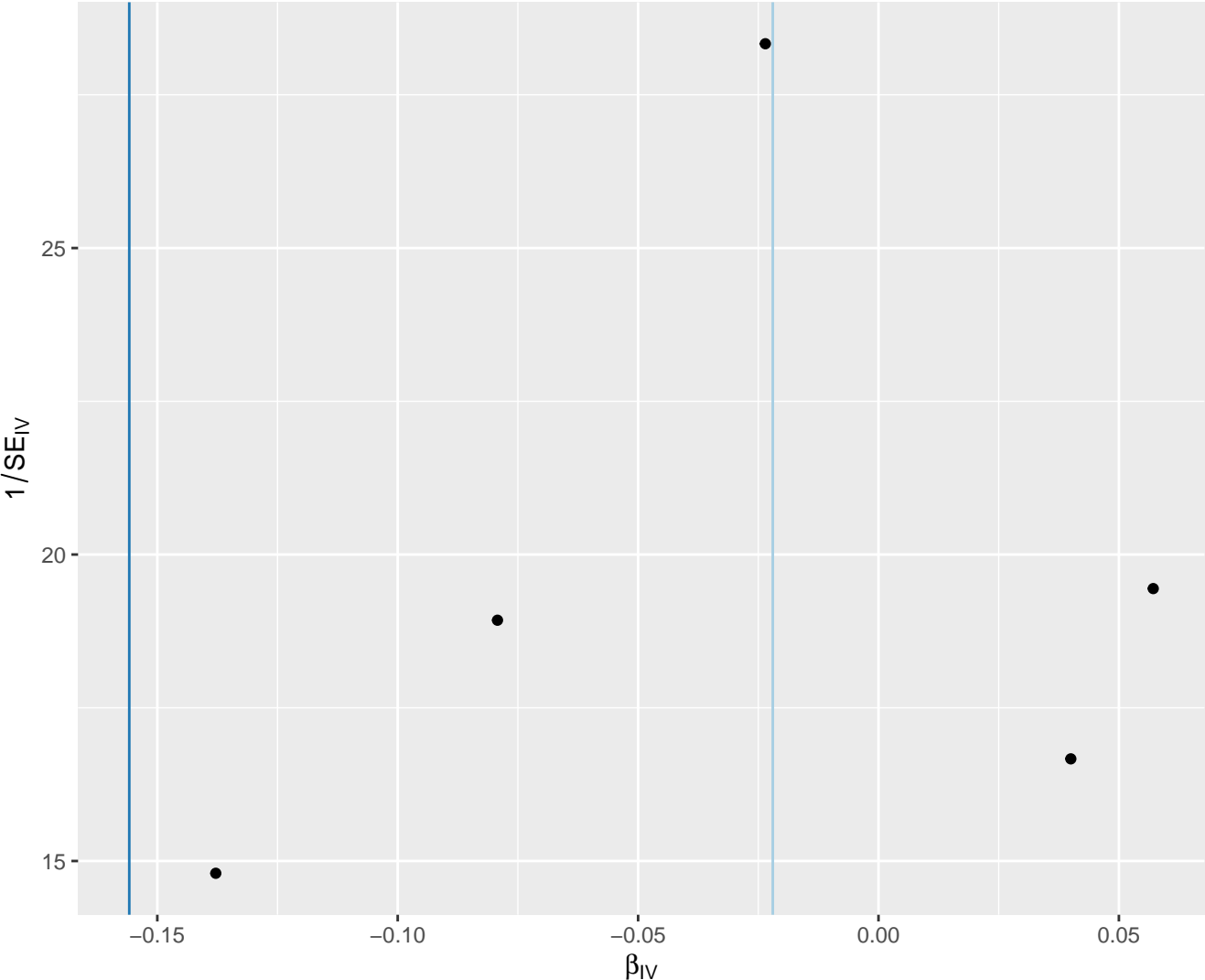
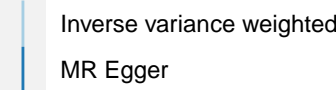


# Palmitoleate (16:1n7)



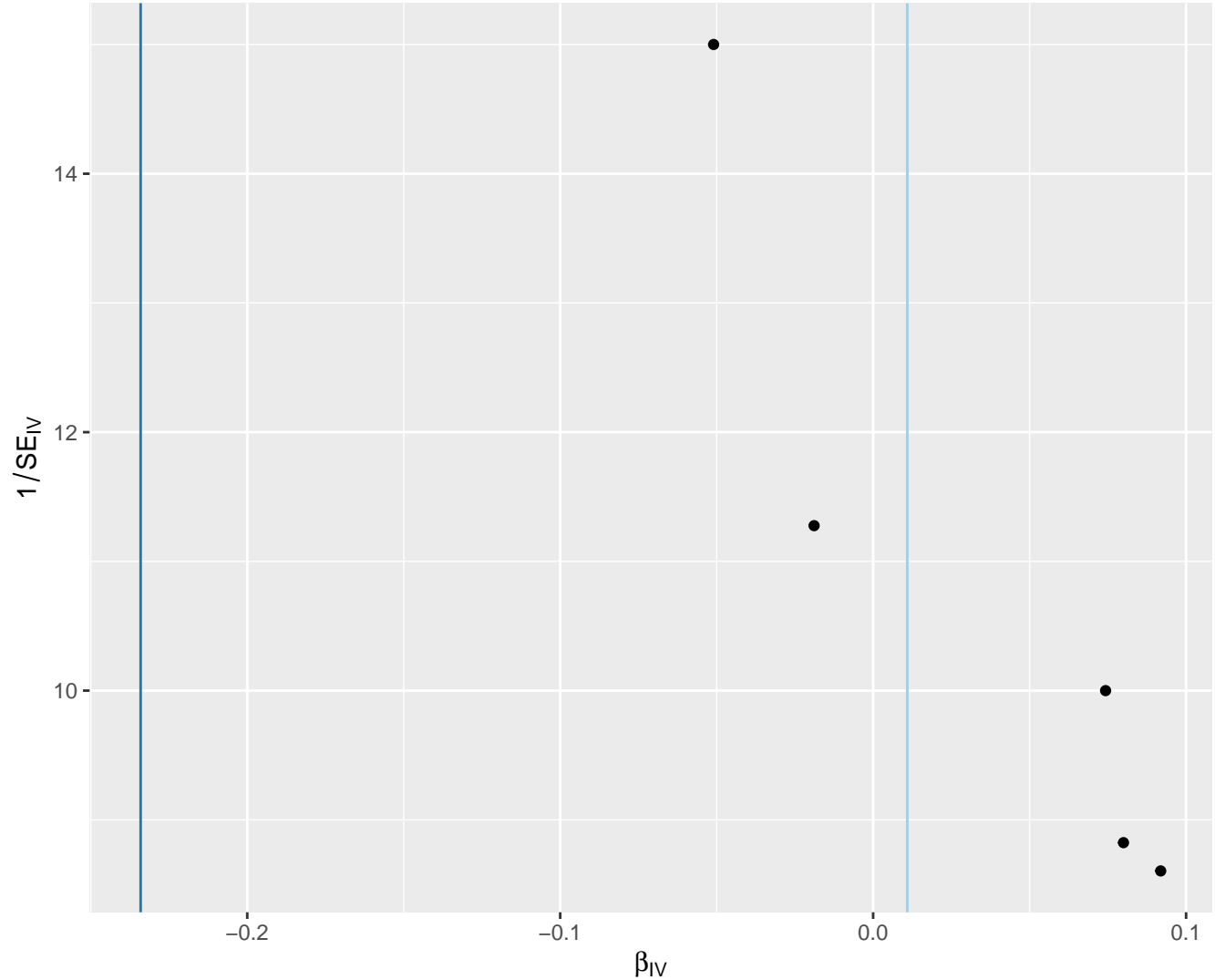
# Palmitoyl sphingomyelin

MR Method



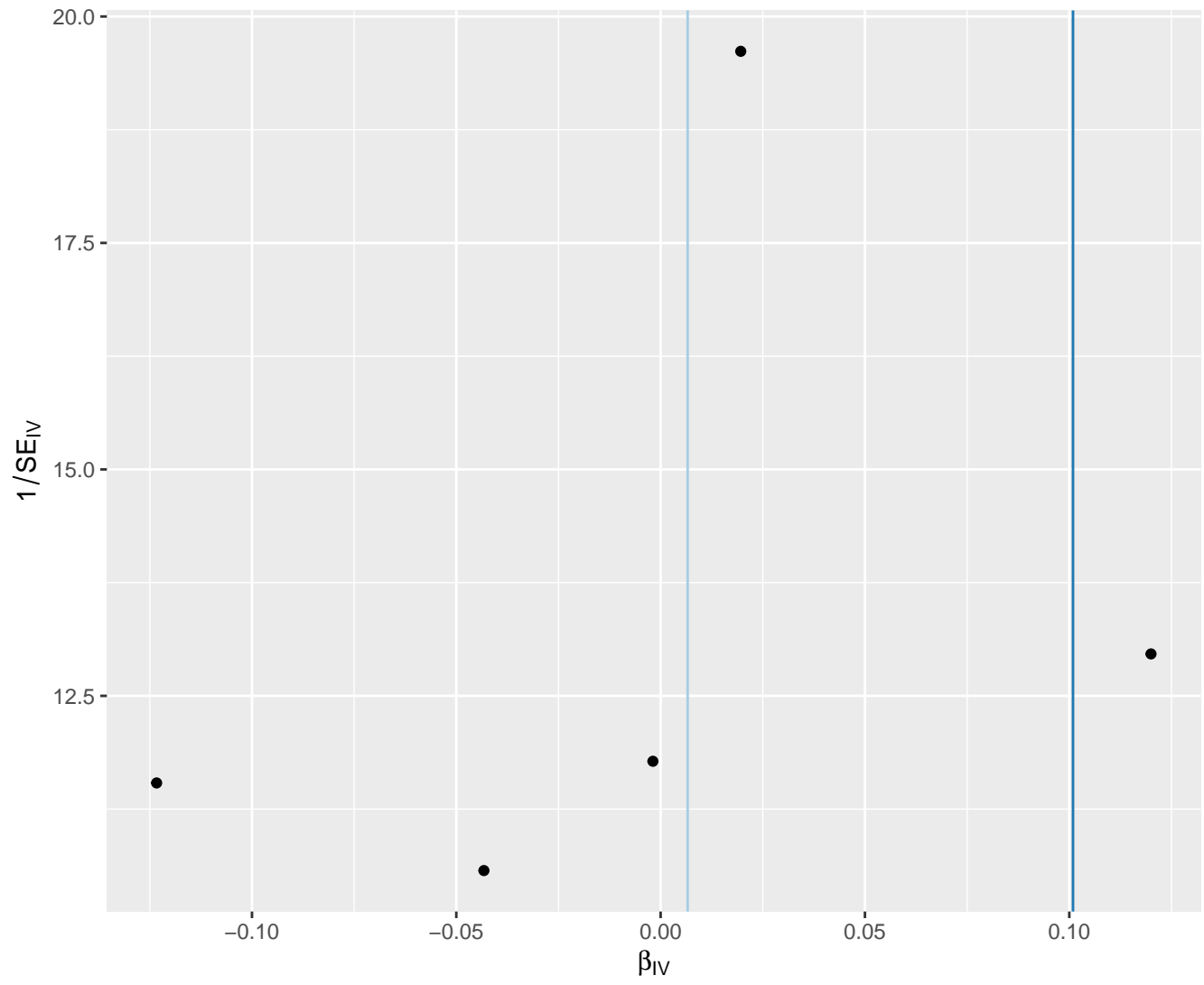
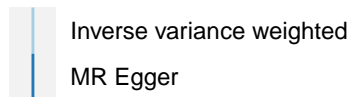
# Palmitoylcarnitine

MR Method



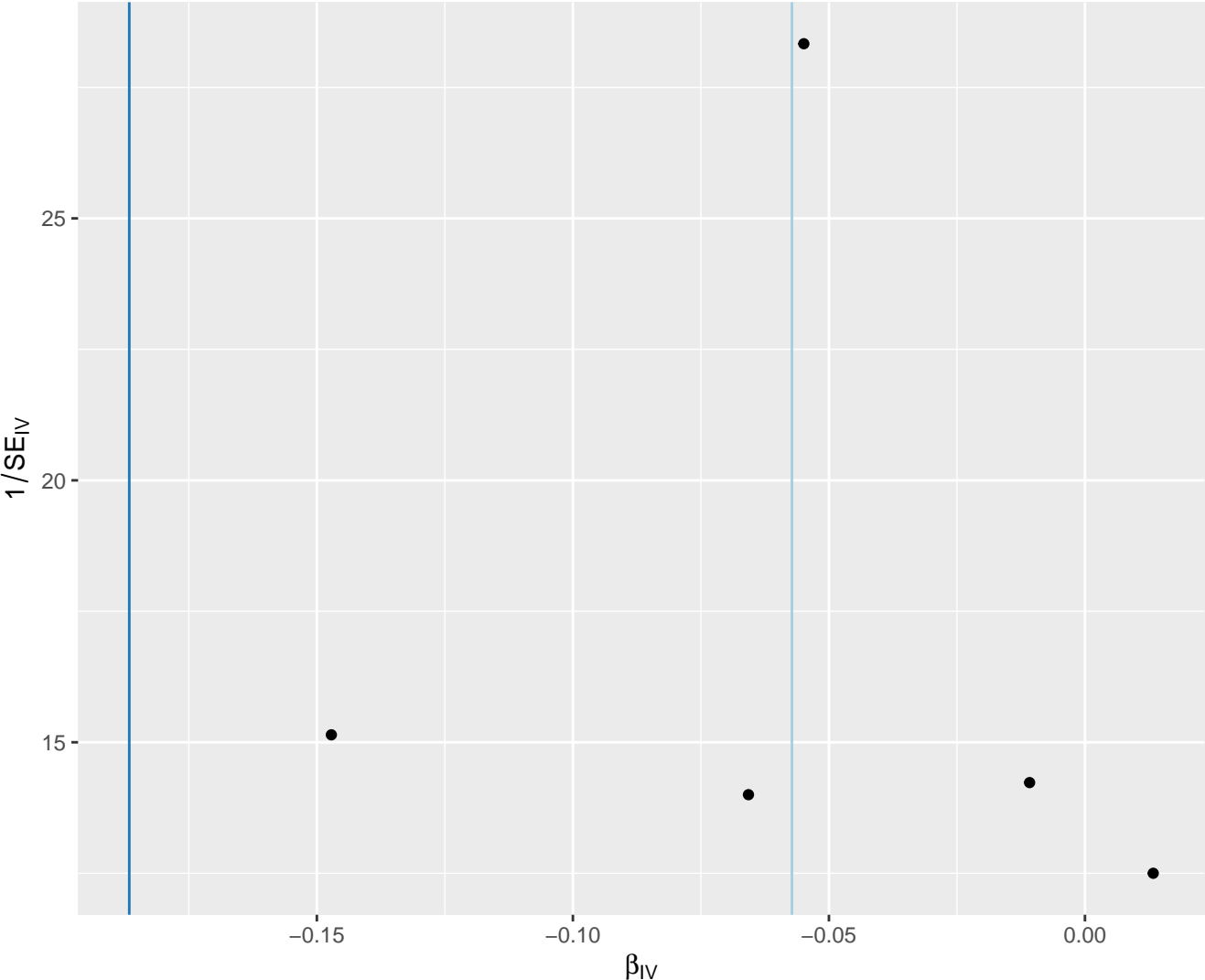
# Pantothenate

MR Method



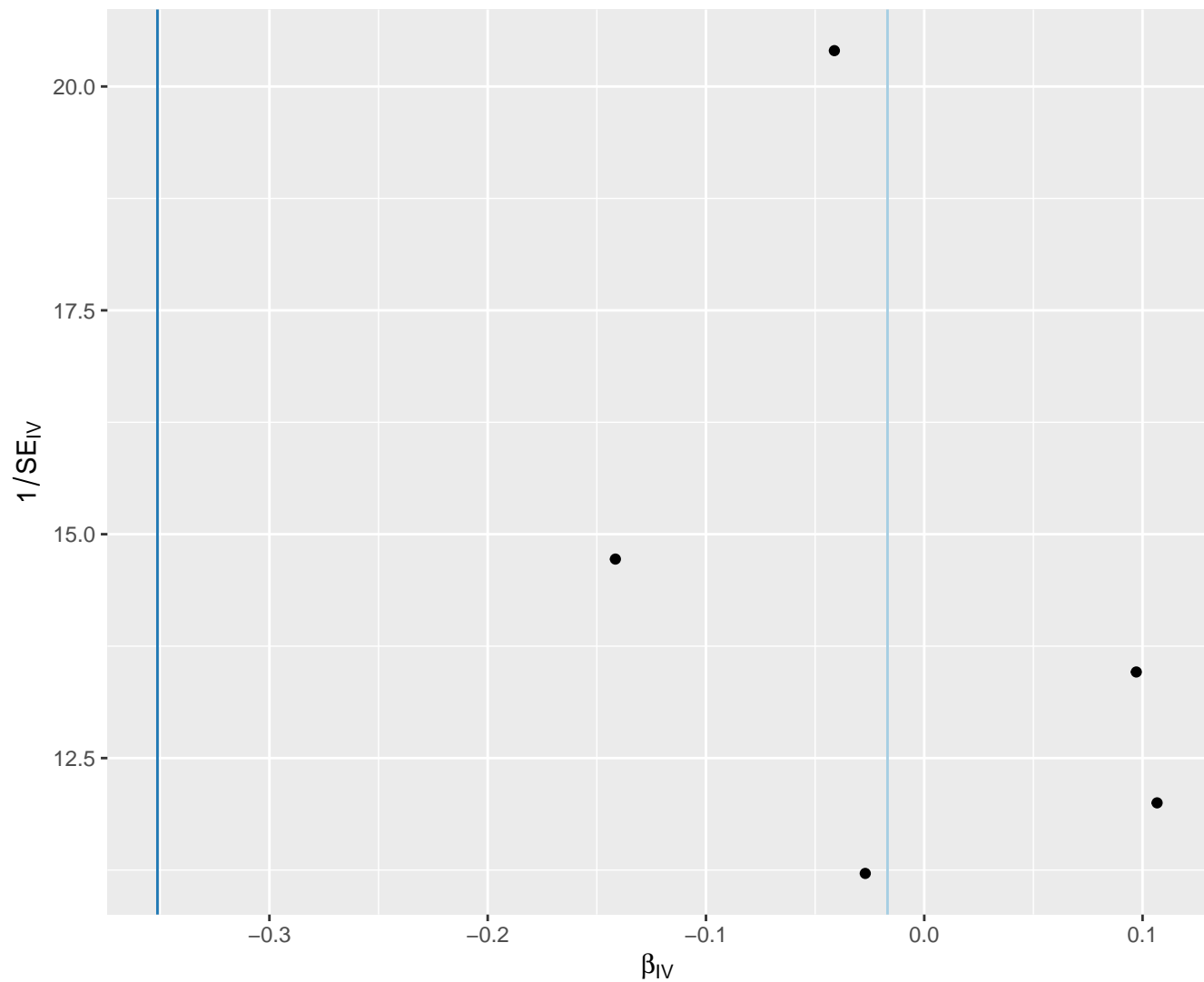
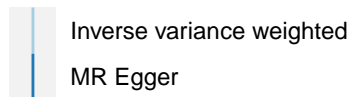
# Pelargonate (9:0)

MR Method



# Pentadecanoate (15:0)

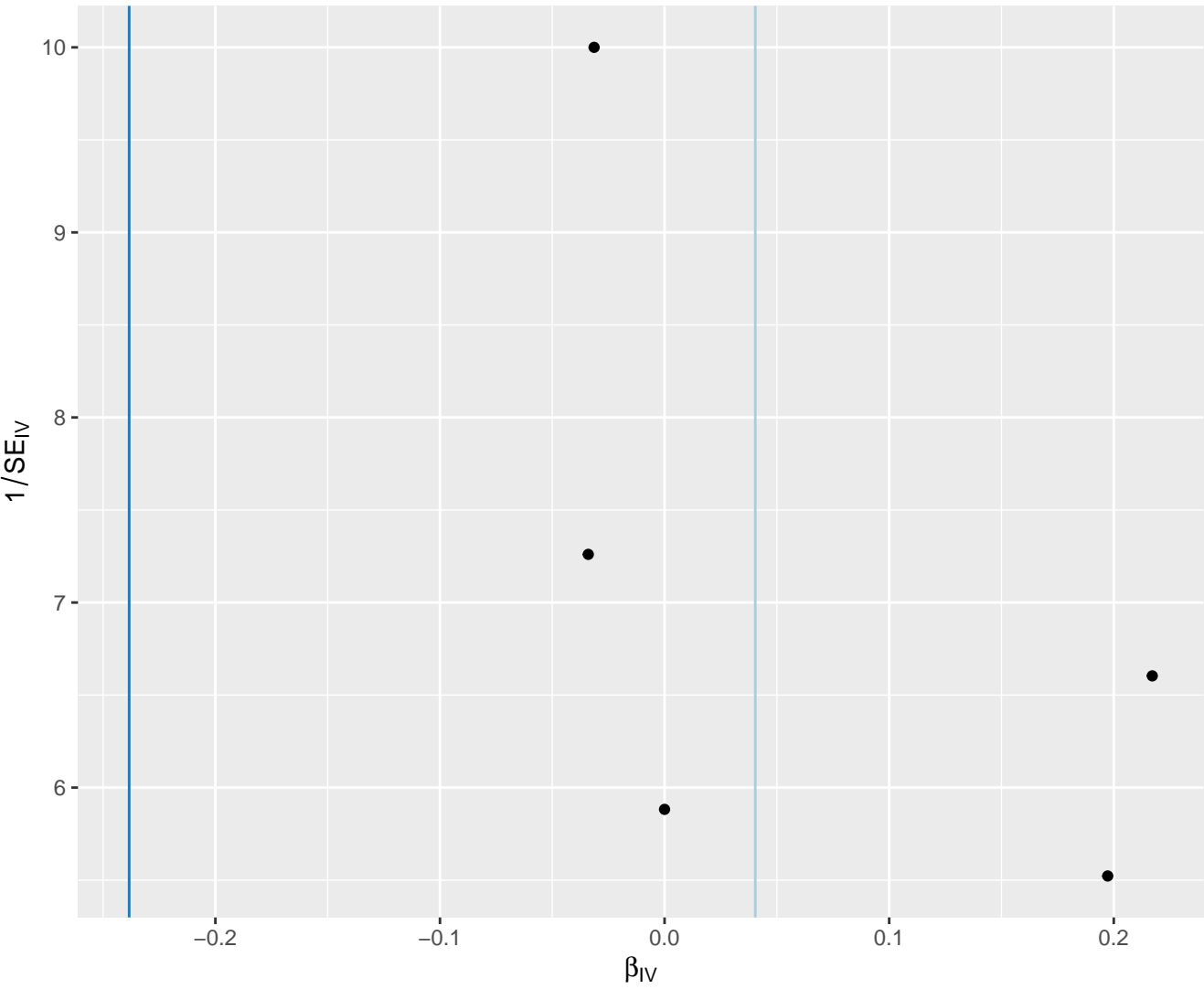
MR Method





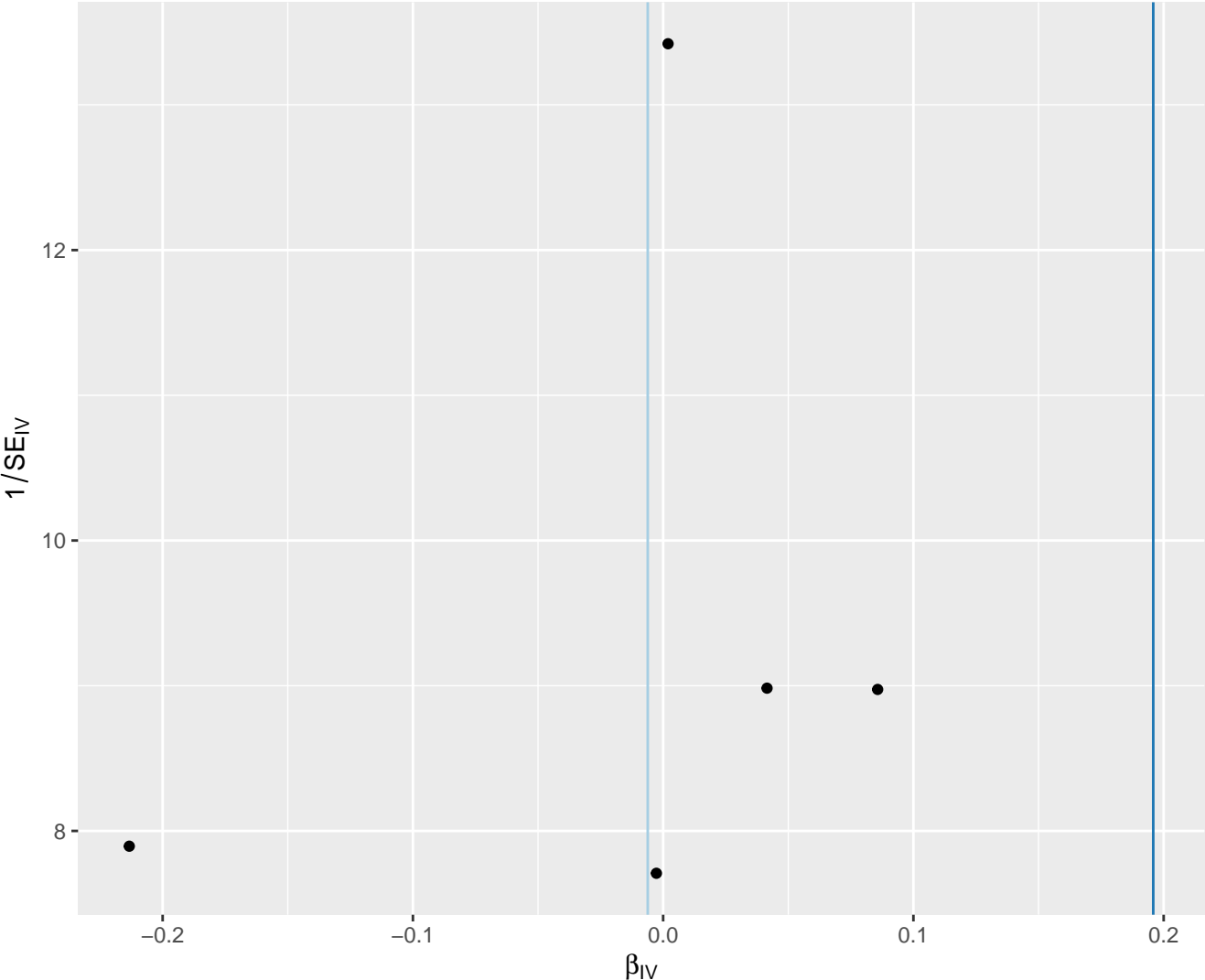
# Phenol sulfate

MR Method



# Phenylacetate

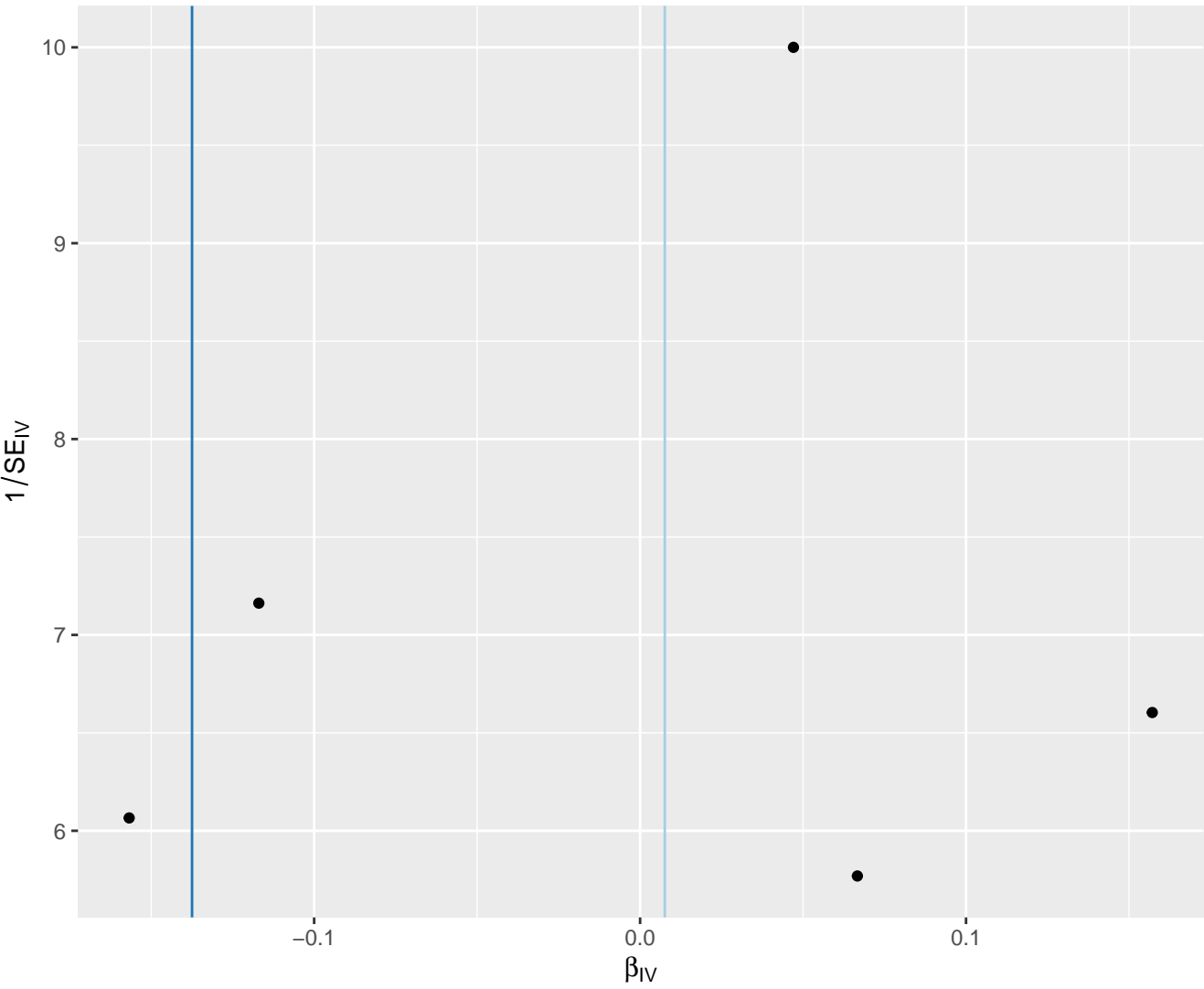
MR Method



# Phenylacetylglutamine

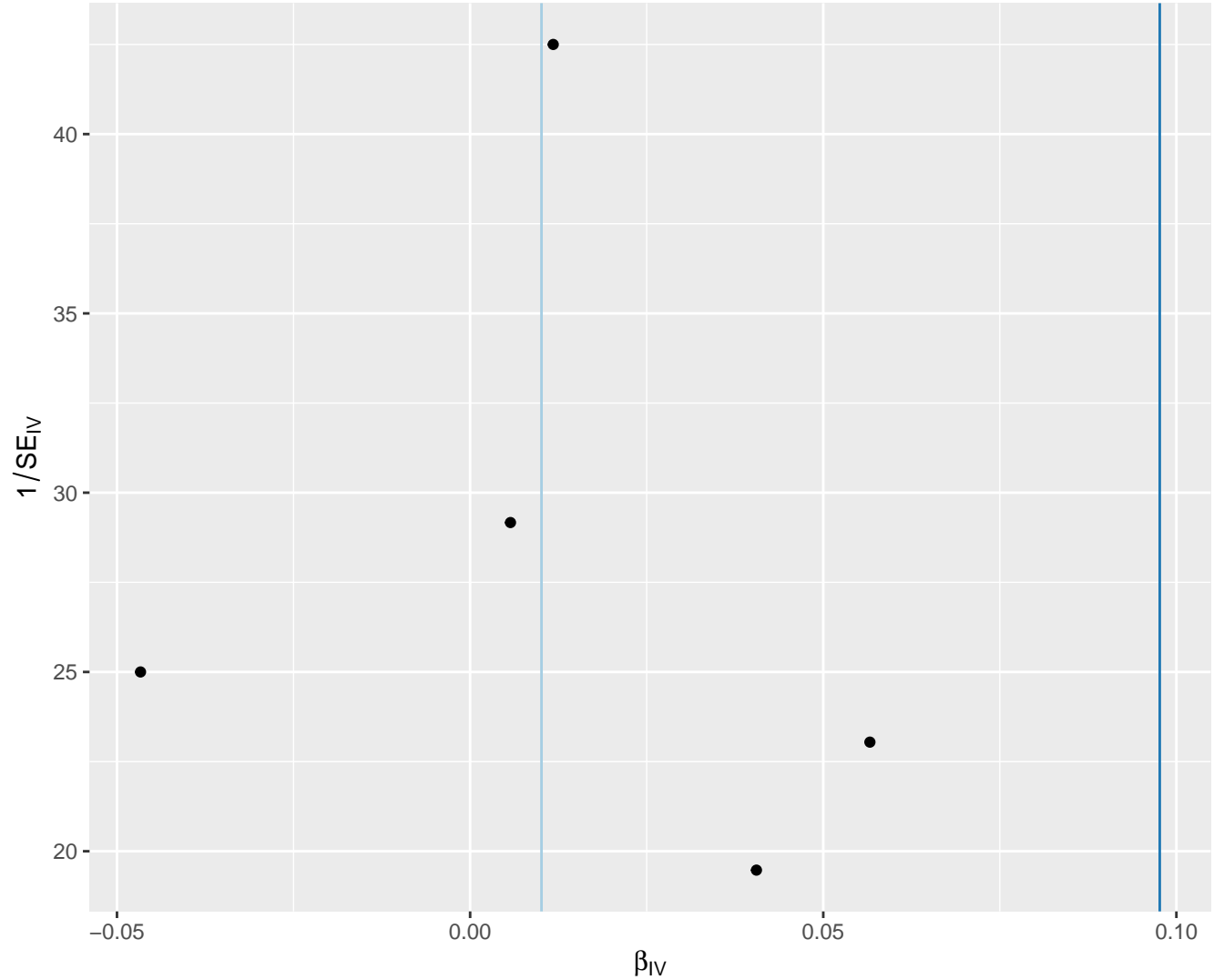
MR Method

- Inverse variance weighted
- MR Egger



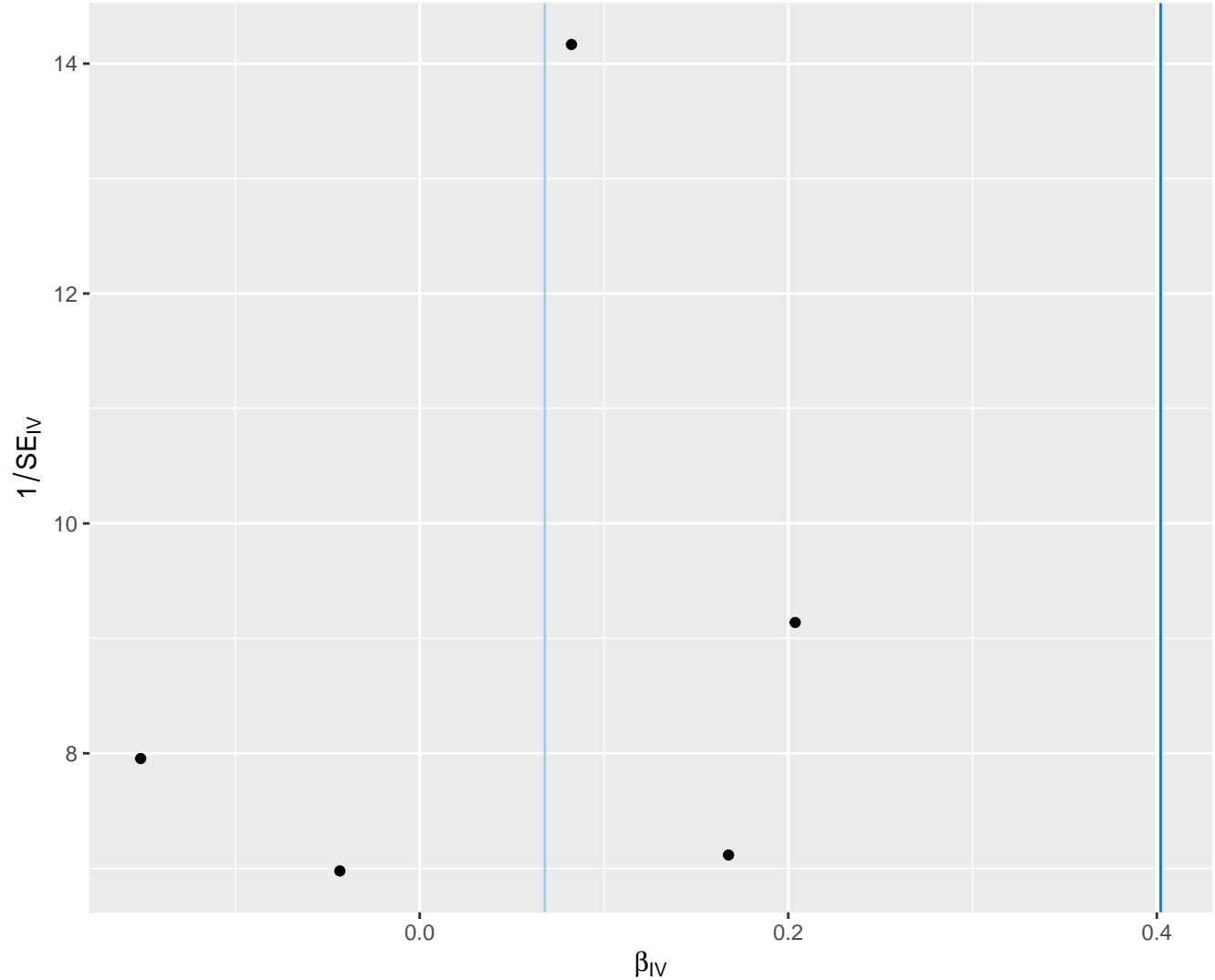
# Phenylalanine

MR Method



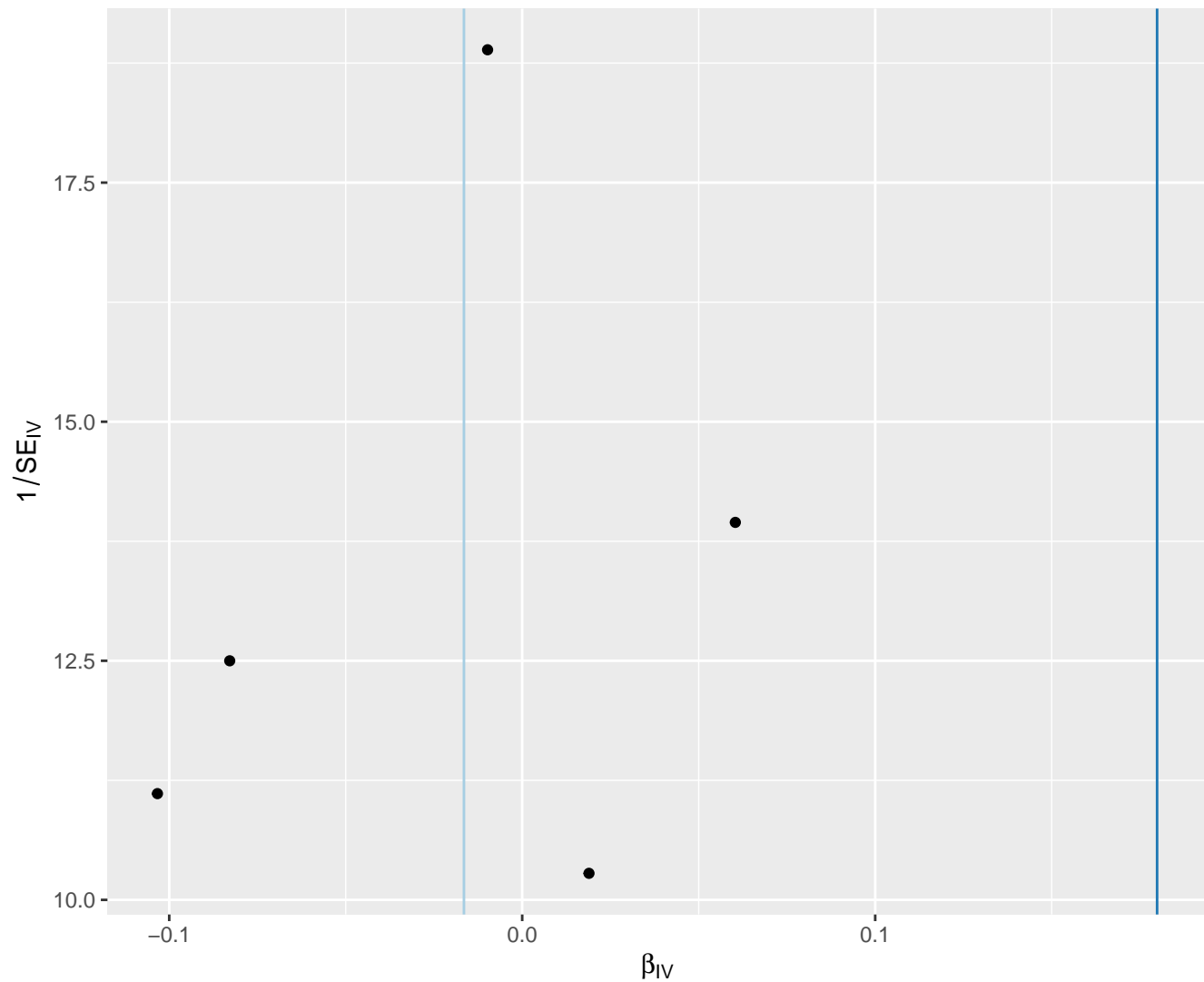
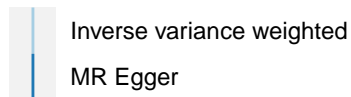
# Phenylalanylphenylalanine

MR Method

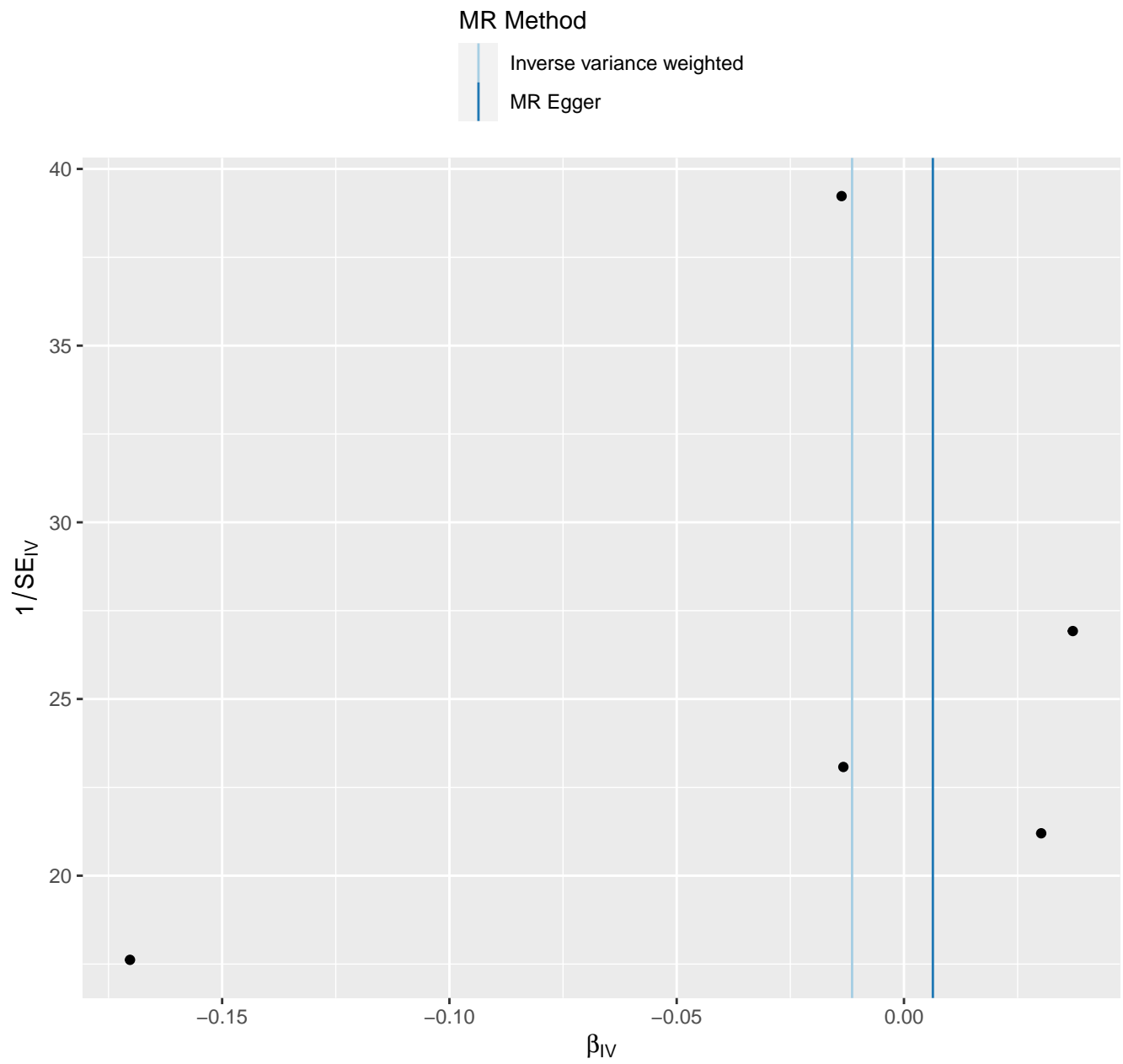


# Phenyllactate (PLA)

MR Method

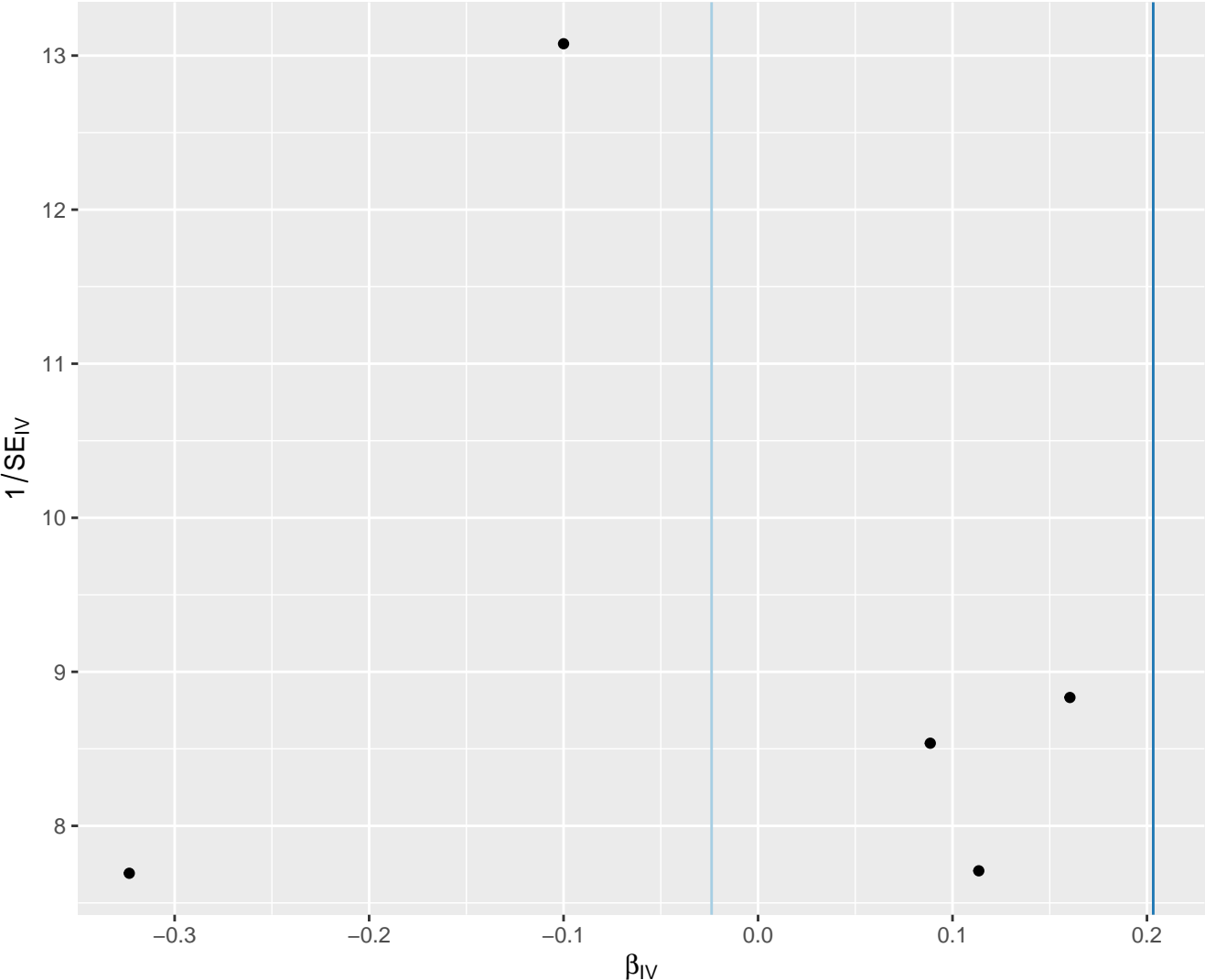


# Phosphate



# Pipecolate

MR Method

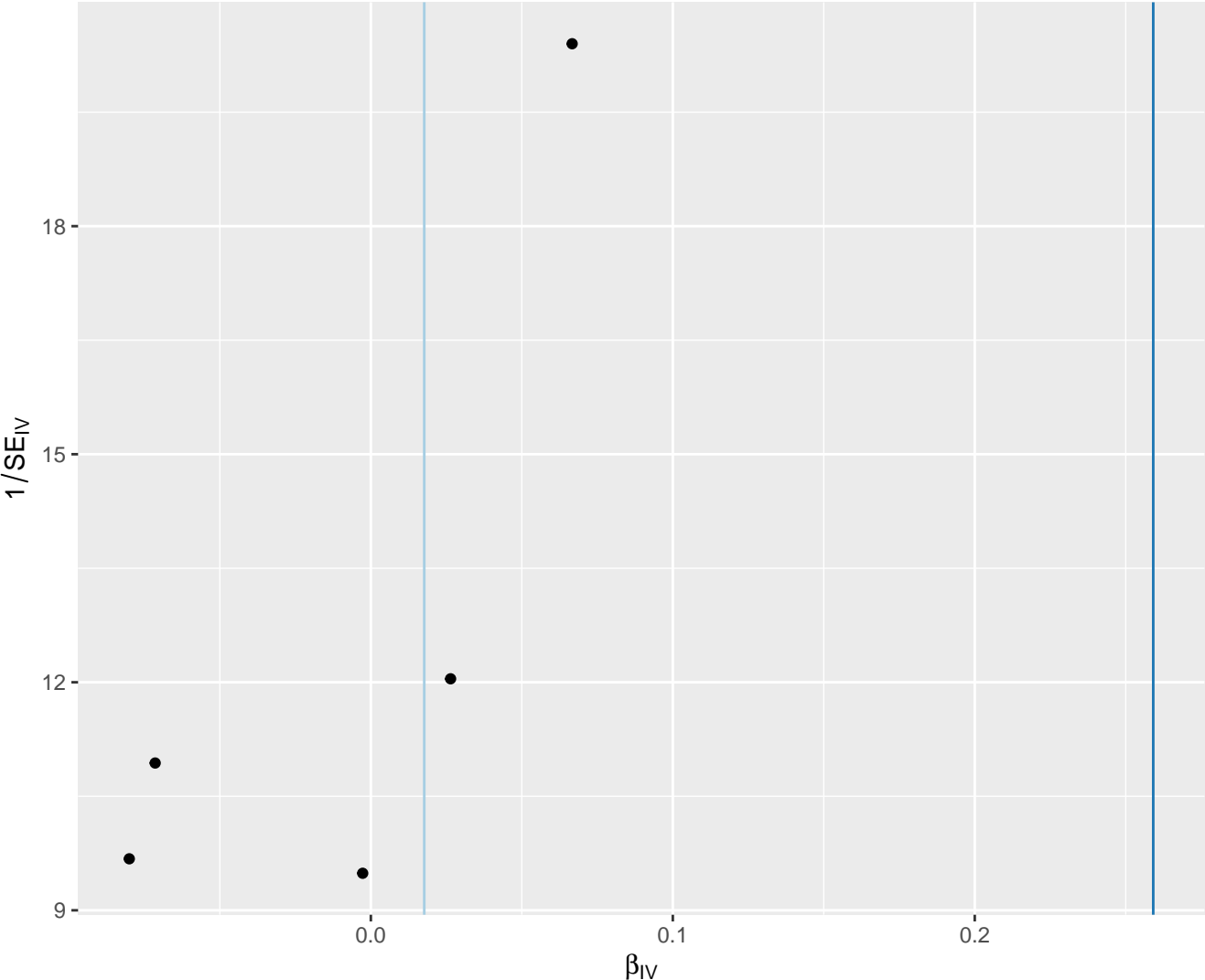




# Pro-hydroxy-pro

MR Method

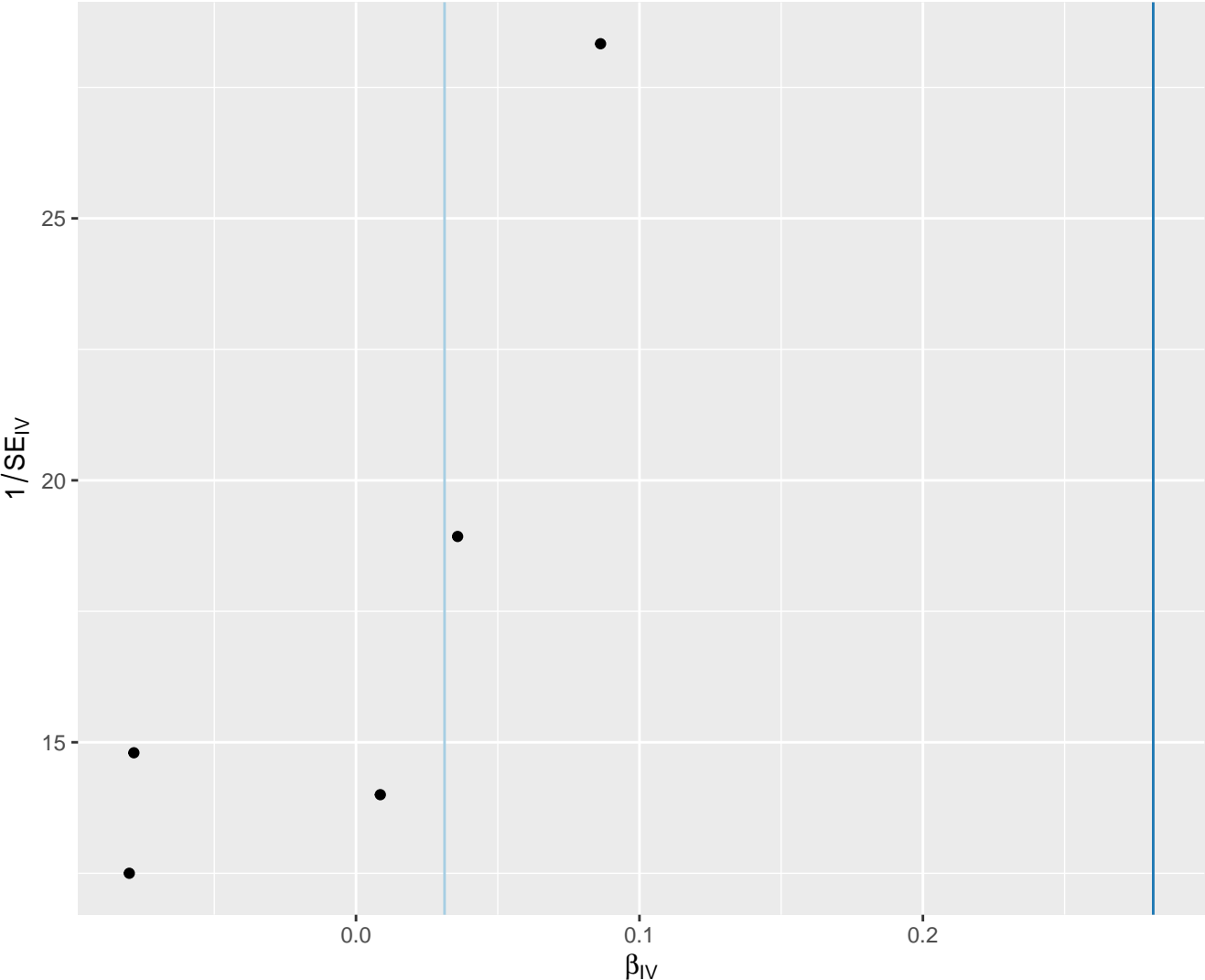
- Inverse variance weighted
- MR Egger



# Proline

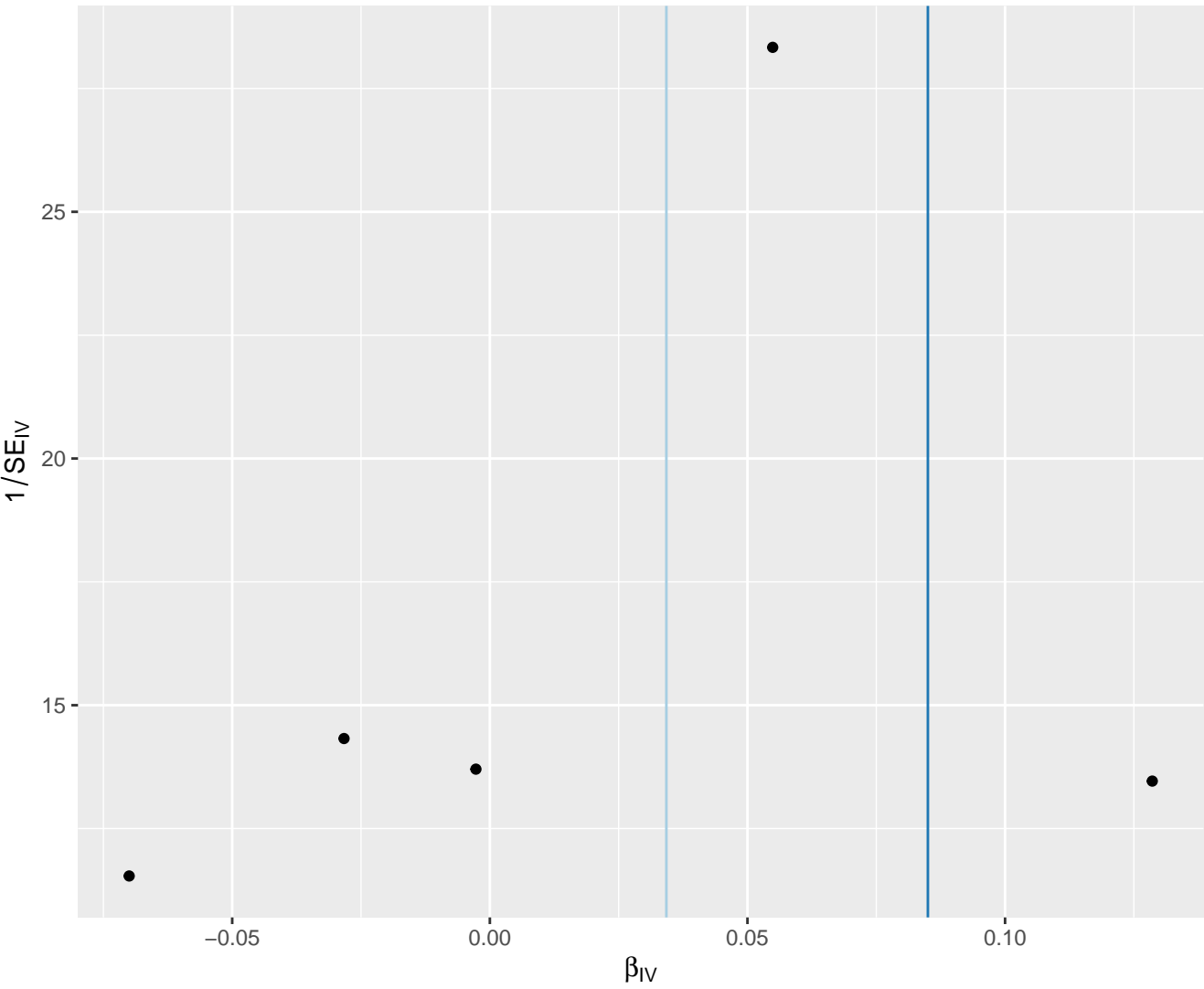
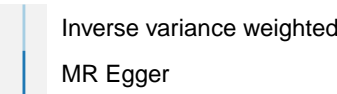
MR Method

- Inverse variance weighted
- MR Egger



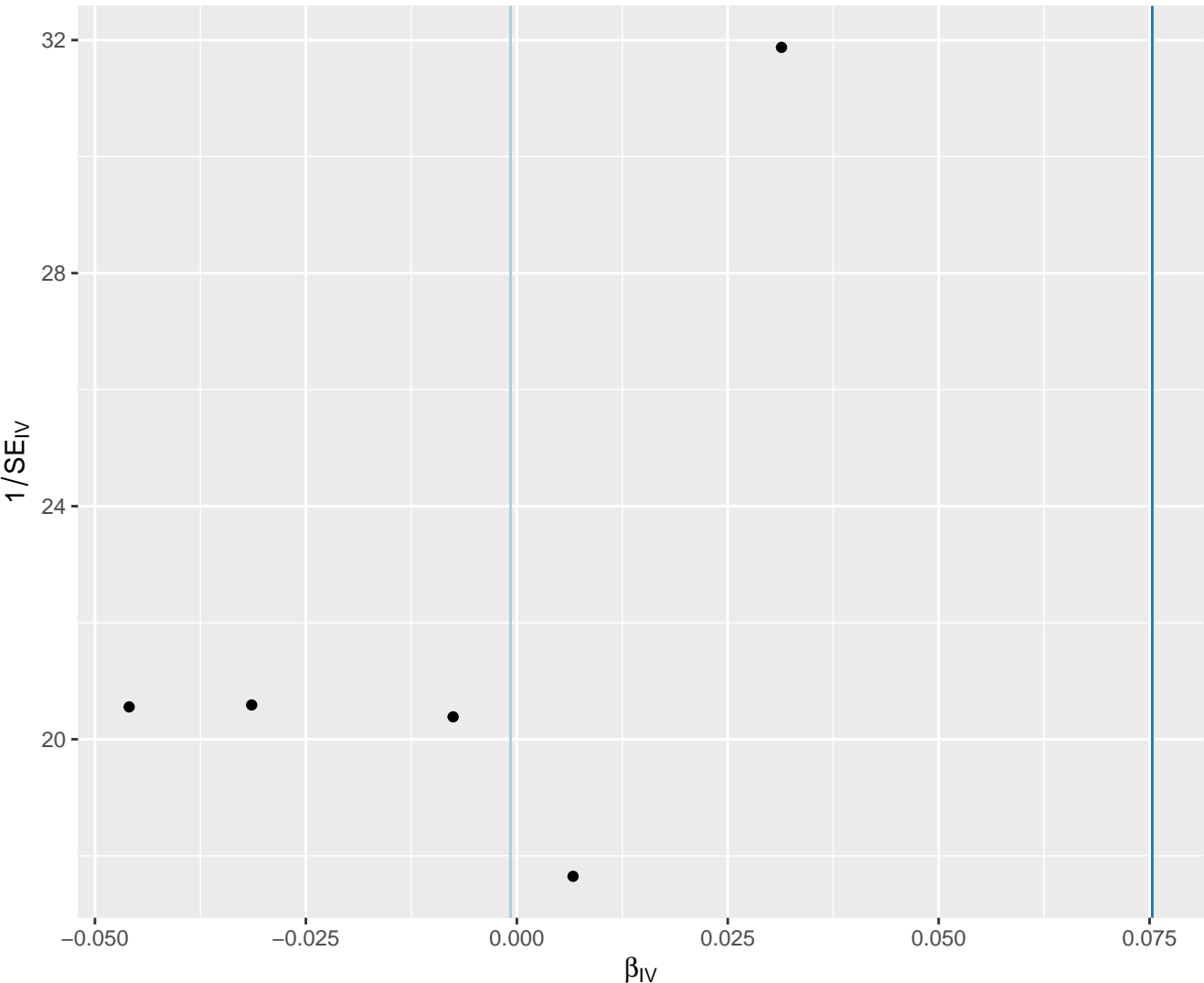
# Propionylcarnitine

MR Method



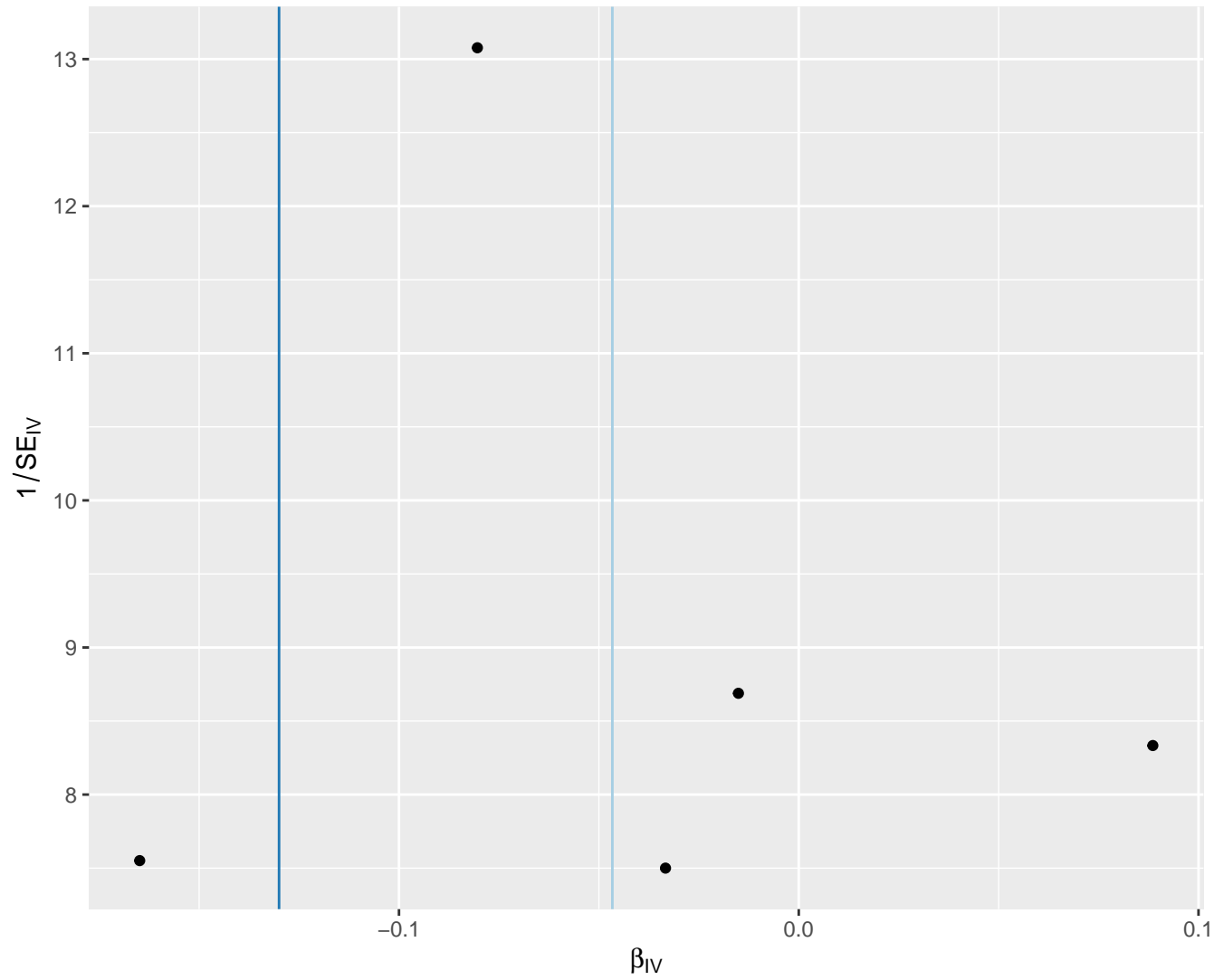
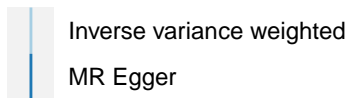
# Pseudouridine

MR Method

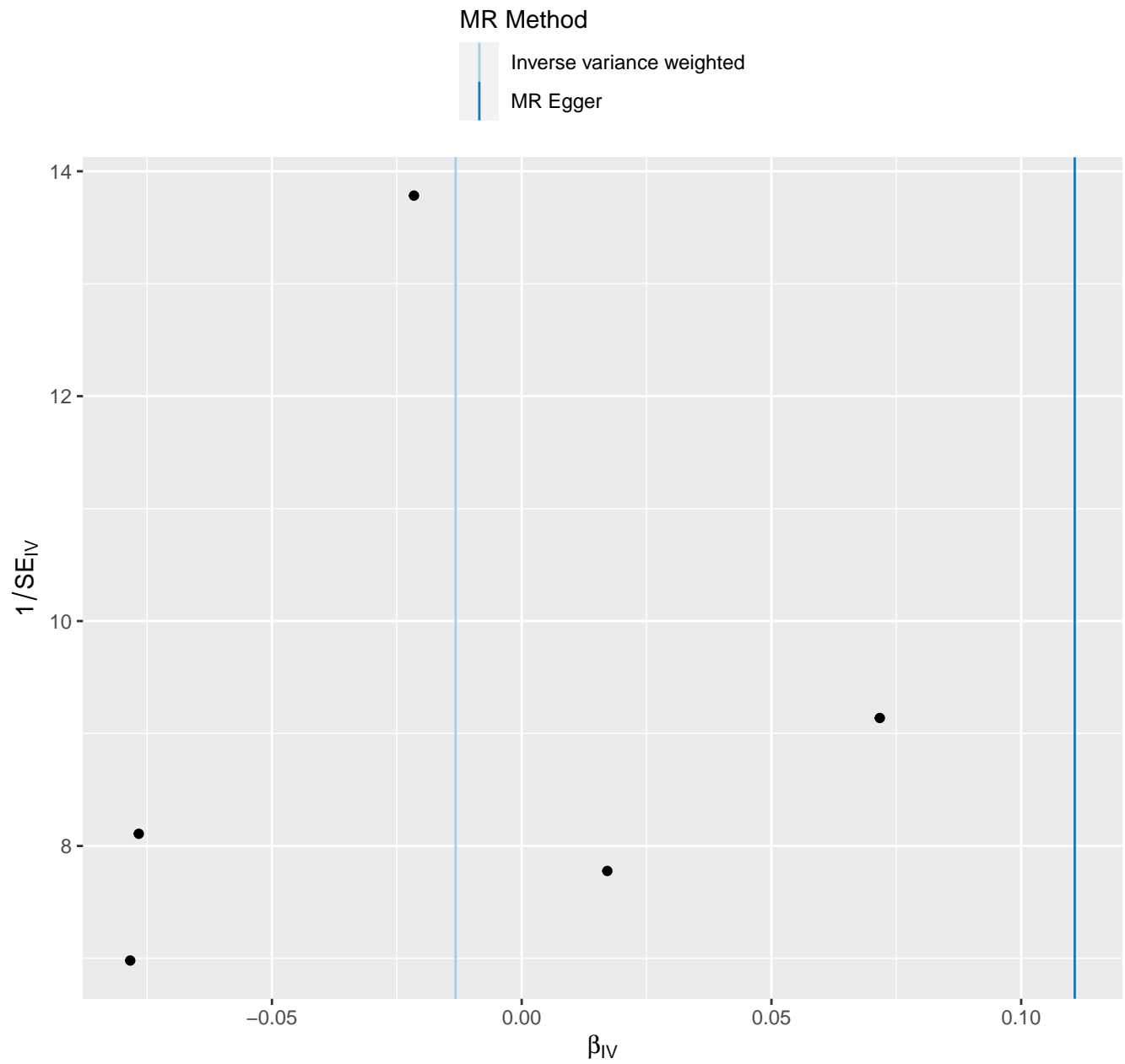


# Pyridoxate

## MR Method

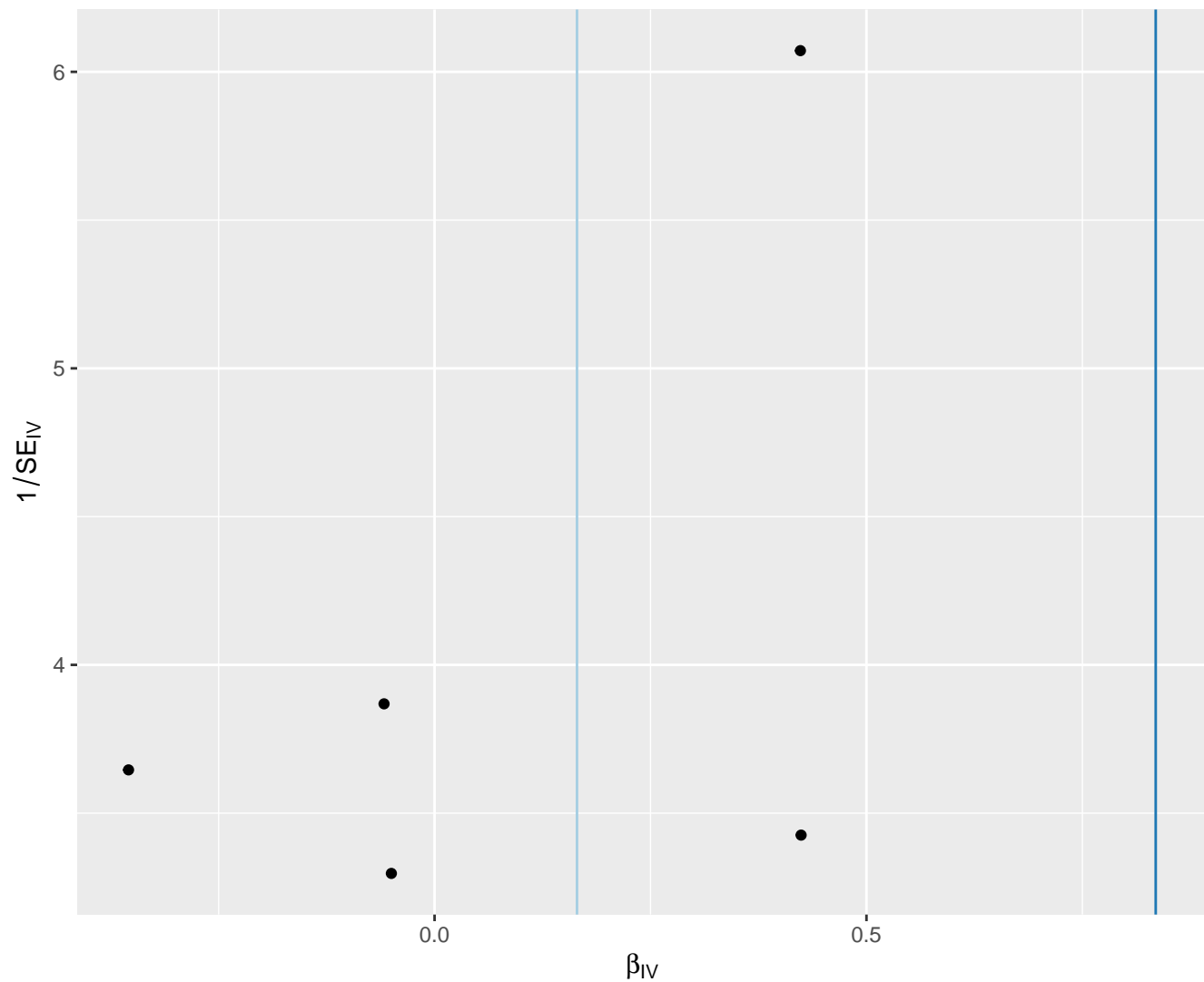


# Pyroglutamine\*



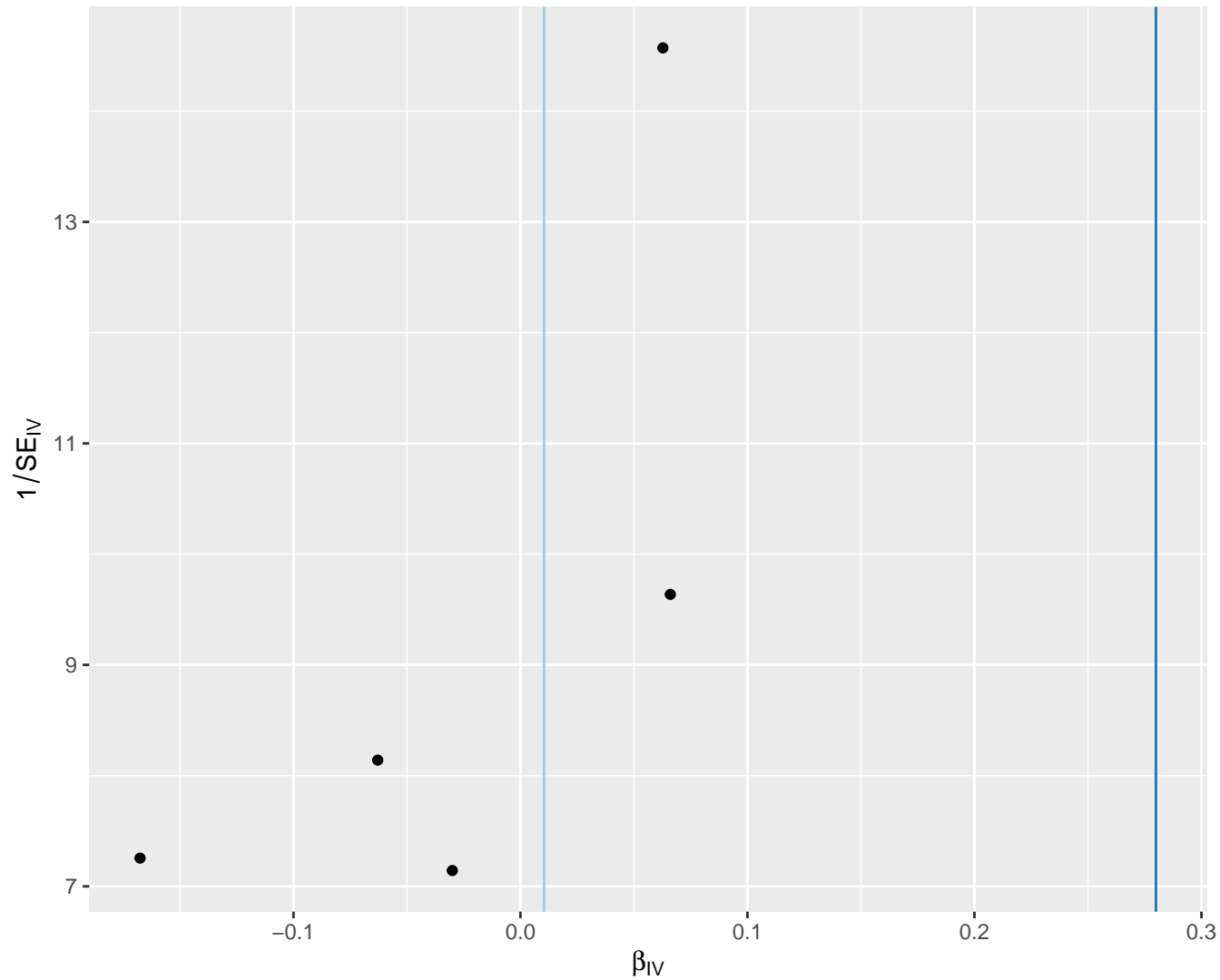
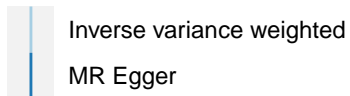
# Pyroglutamyglycine

MR Method



# Pyruvate

## MR Method

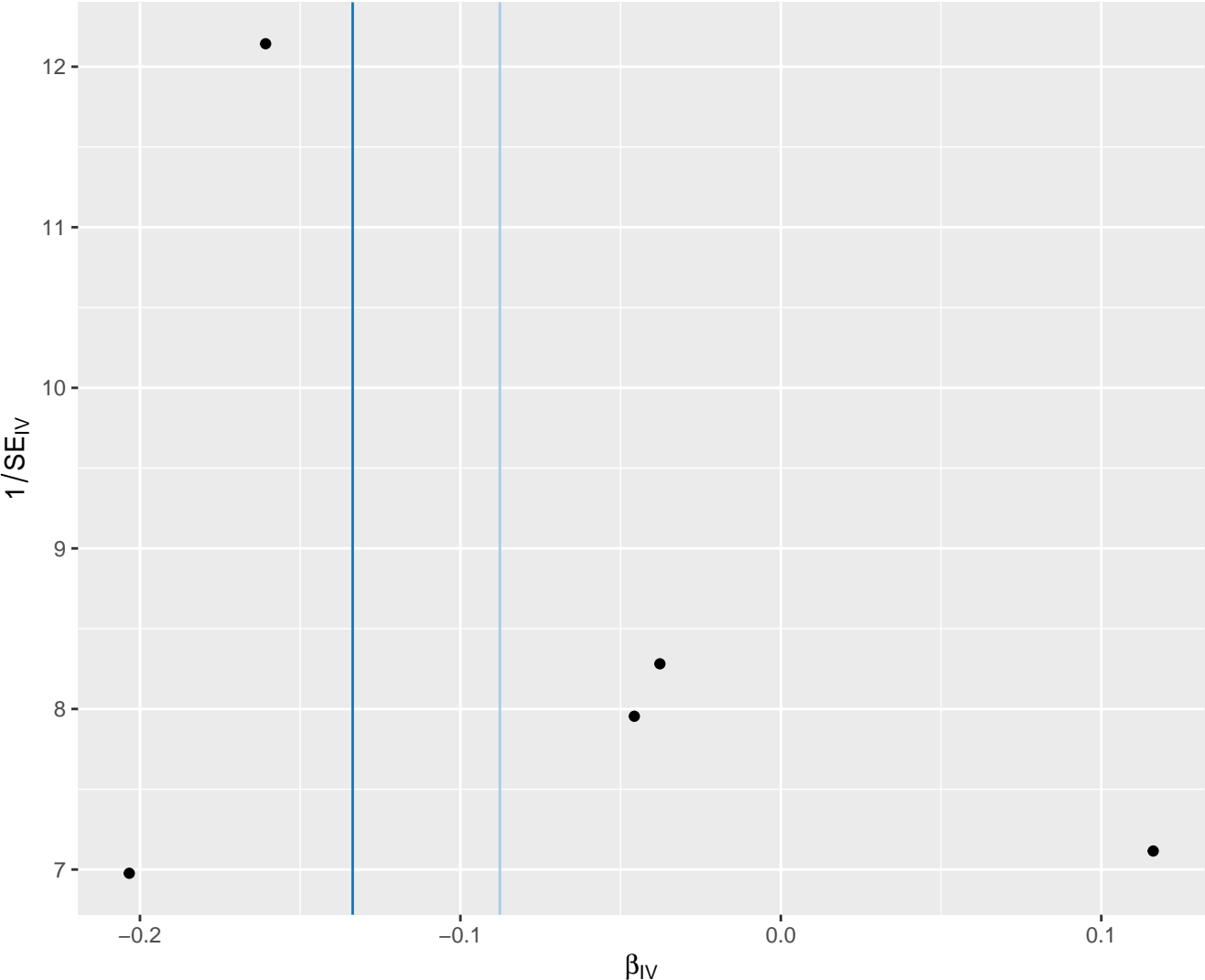




# Scyllo–inositol

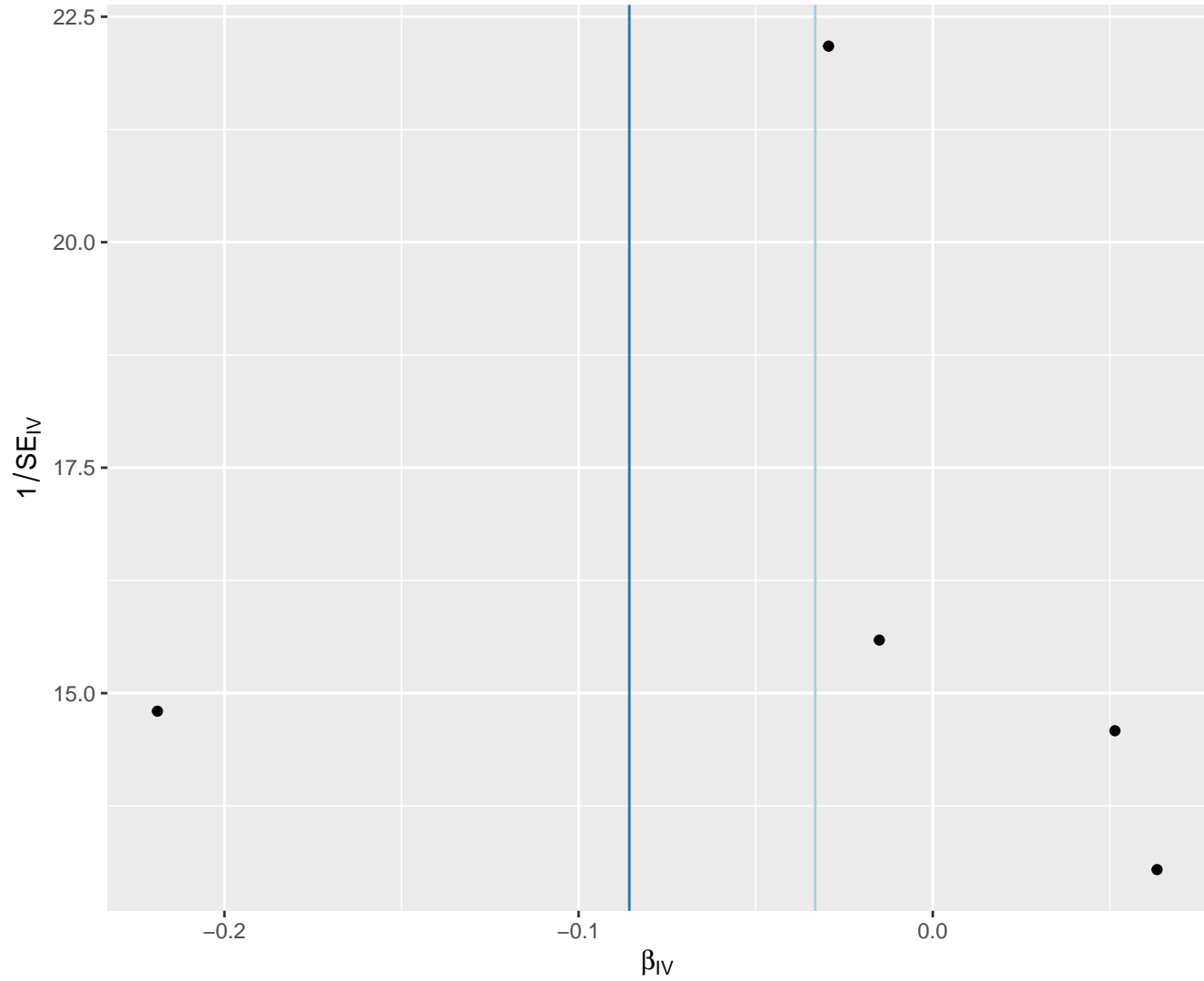
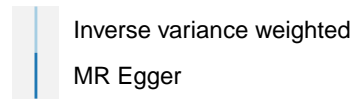
MR Method

- Inverse variance weighted
- MR Egger



# Serine

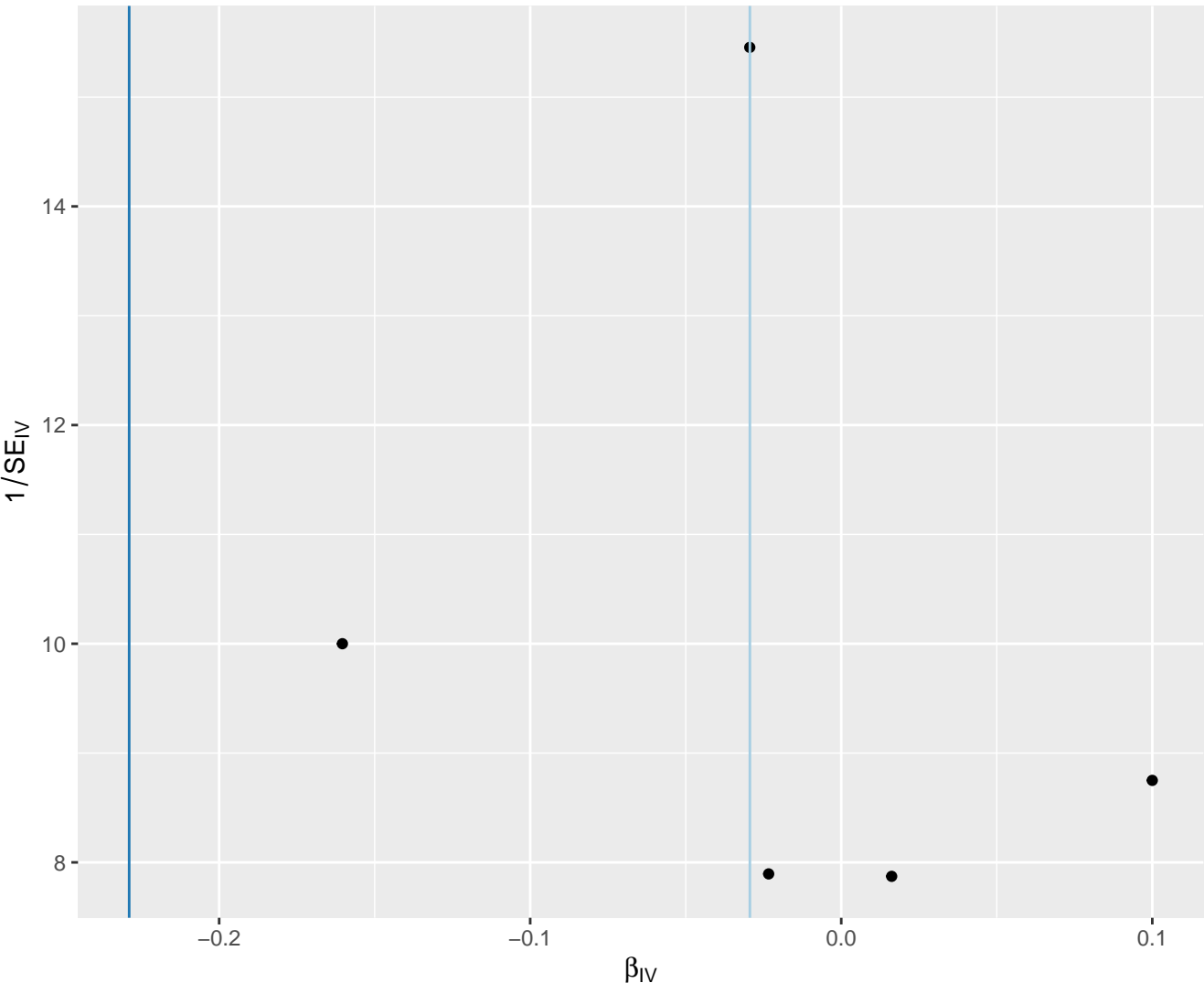
MR Method



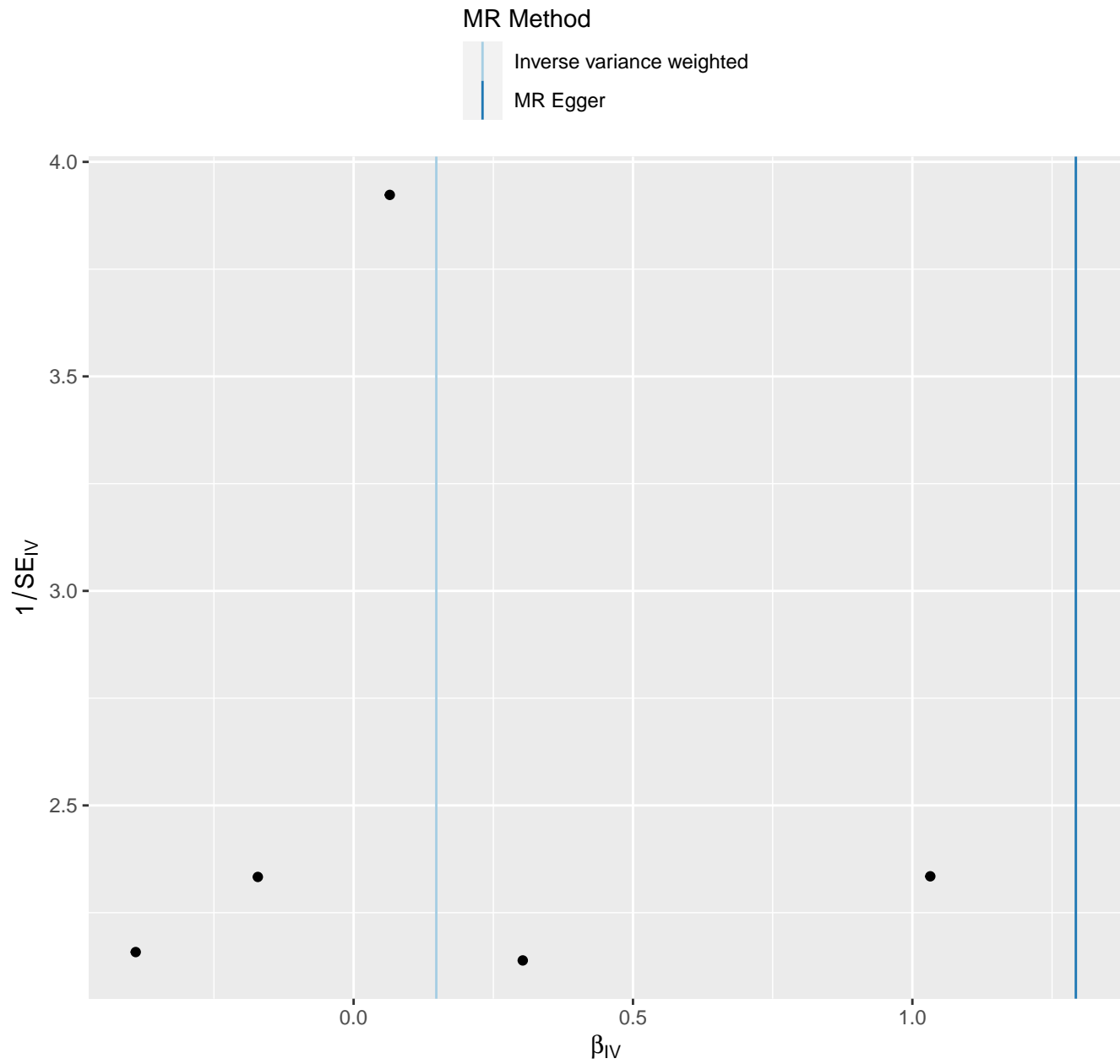
# Serotonin (5HT)

MR Method

- Inverse variance weighted
- MR Egger



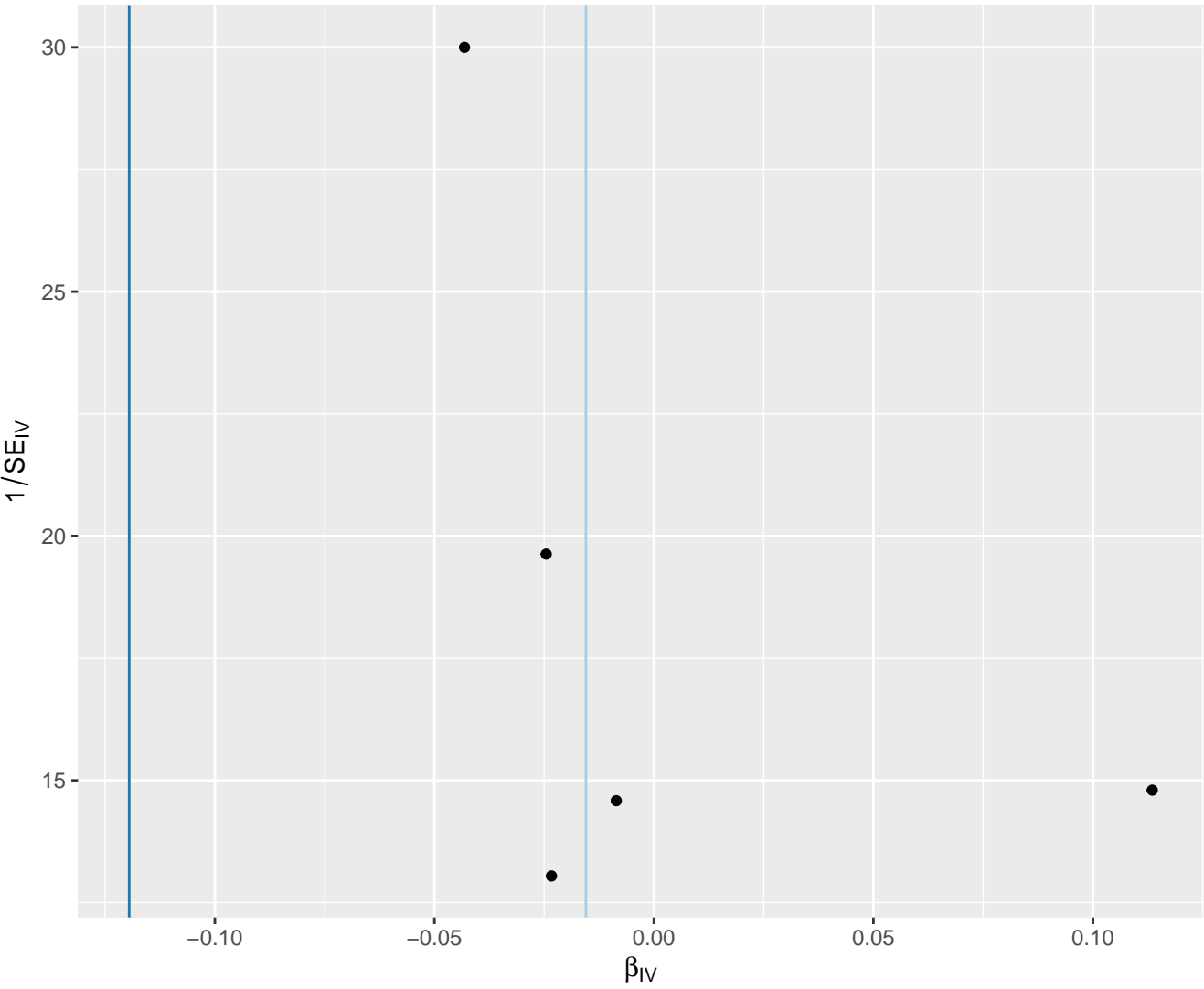
# Stachydrine



# Stearate (18:0)

MR Method

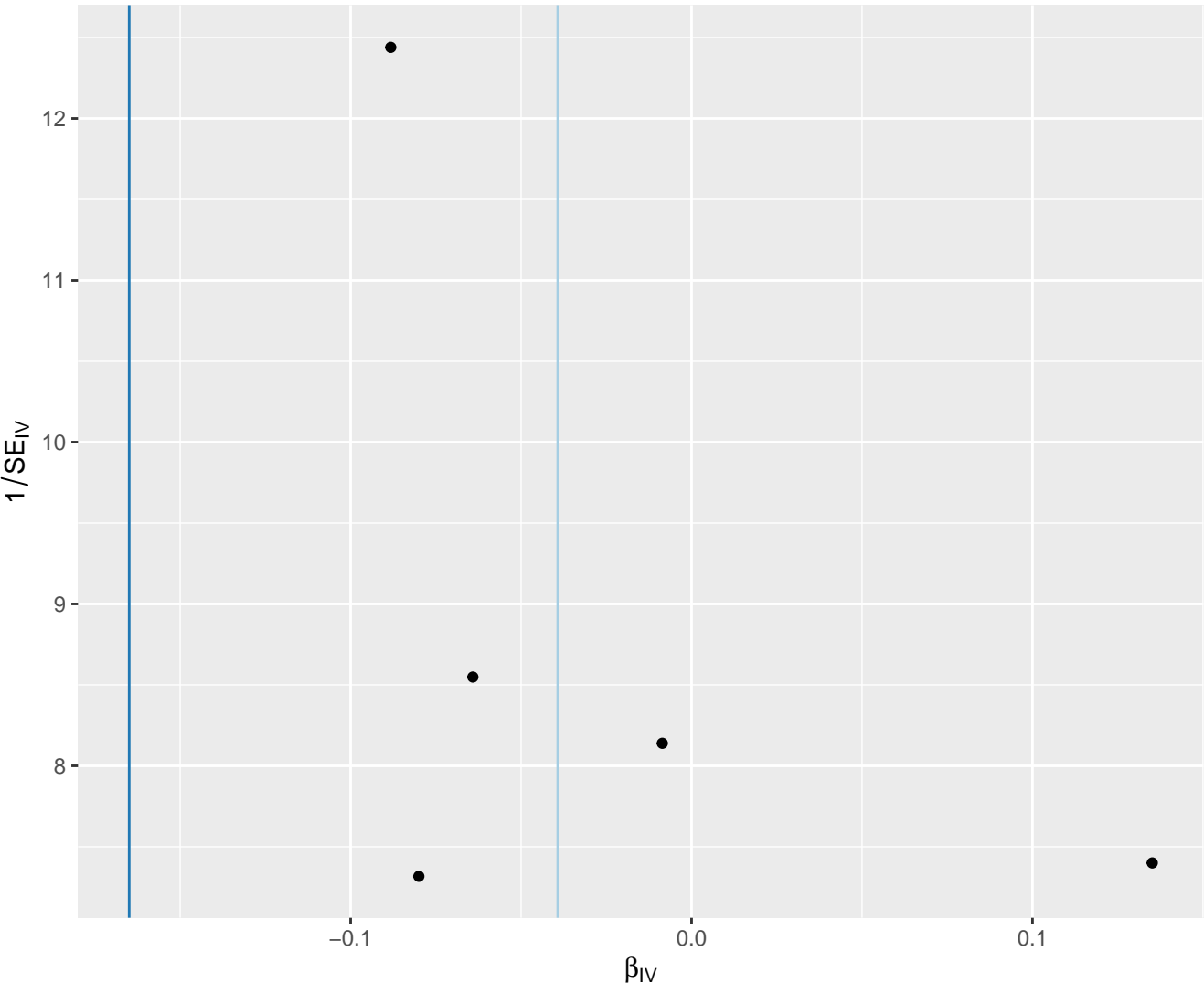
- Inverse variance weighted
- MR Egger



# Stearidonate (18:4n3)

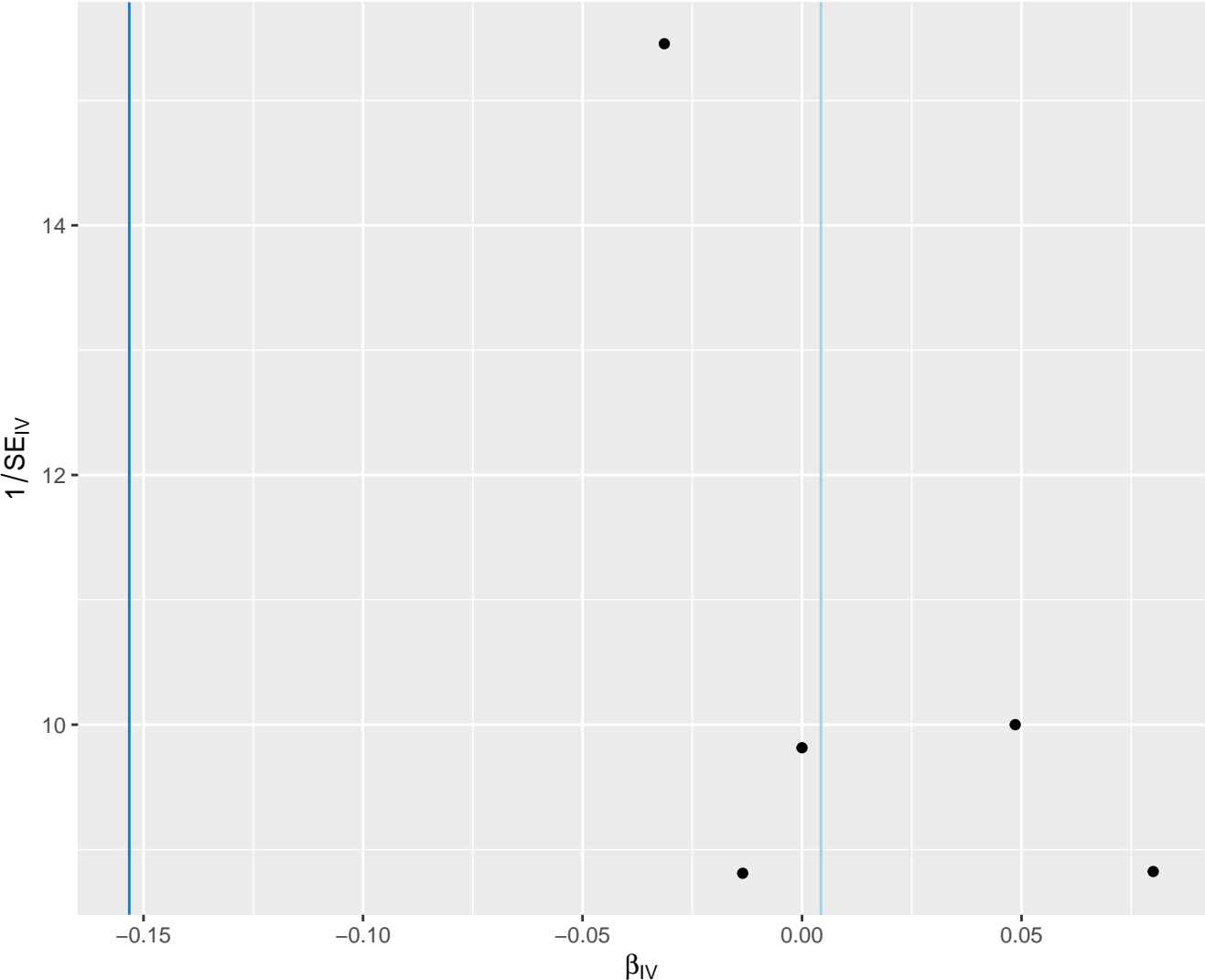
MR Method

- Inverse variance weighted
- MR Egger



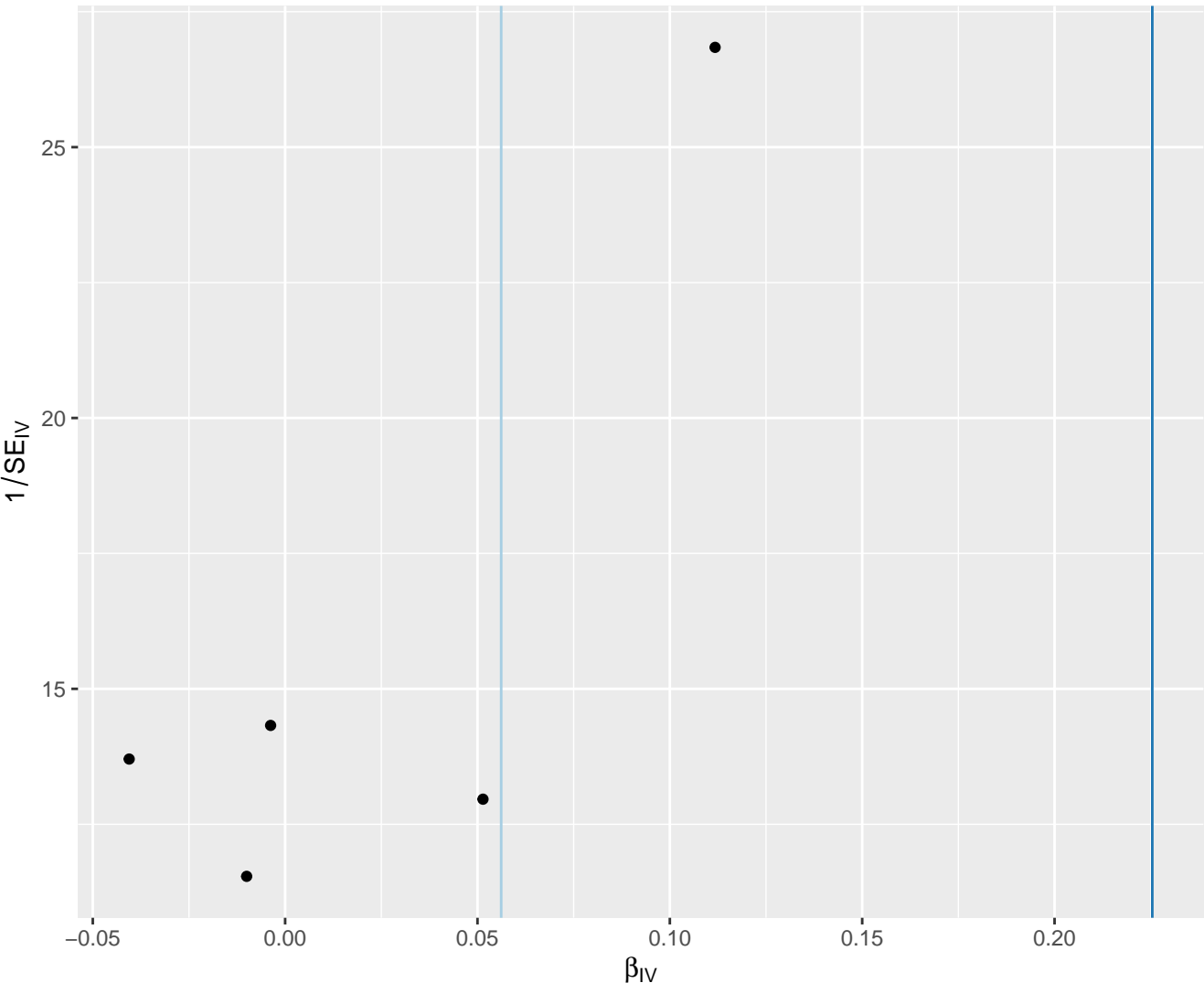
# Stearoylcarnitine

MR Method



# Succinylcarnitine

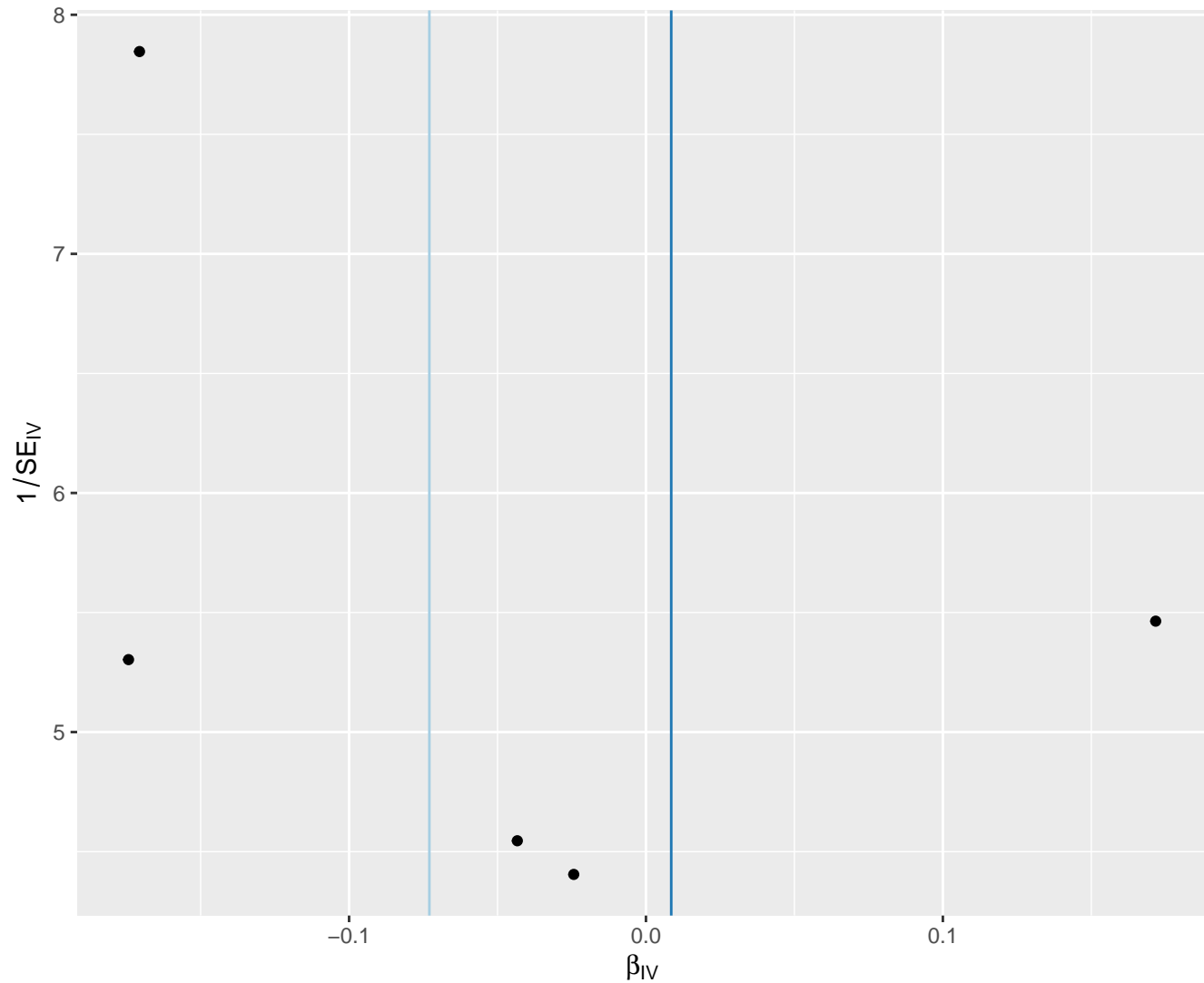
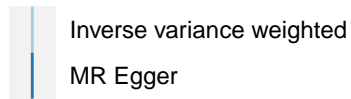
MR Method





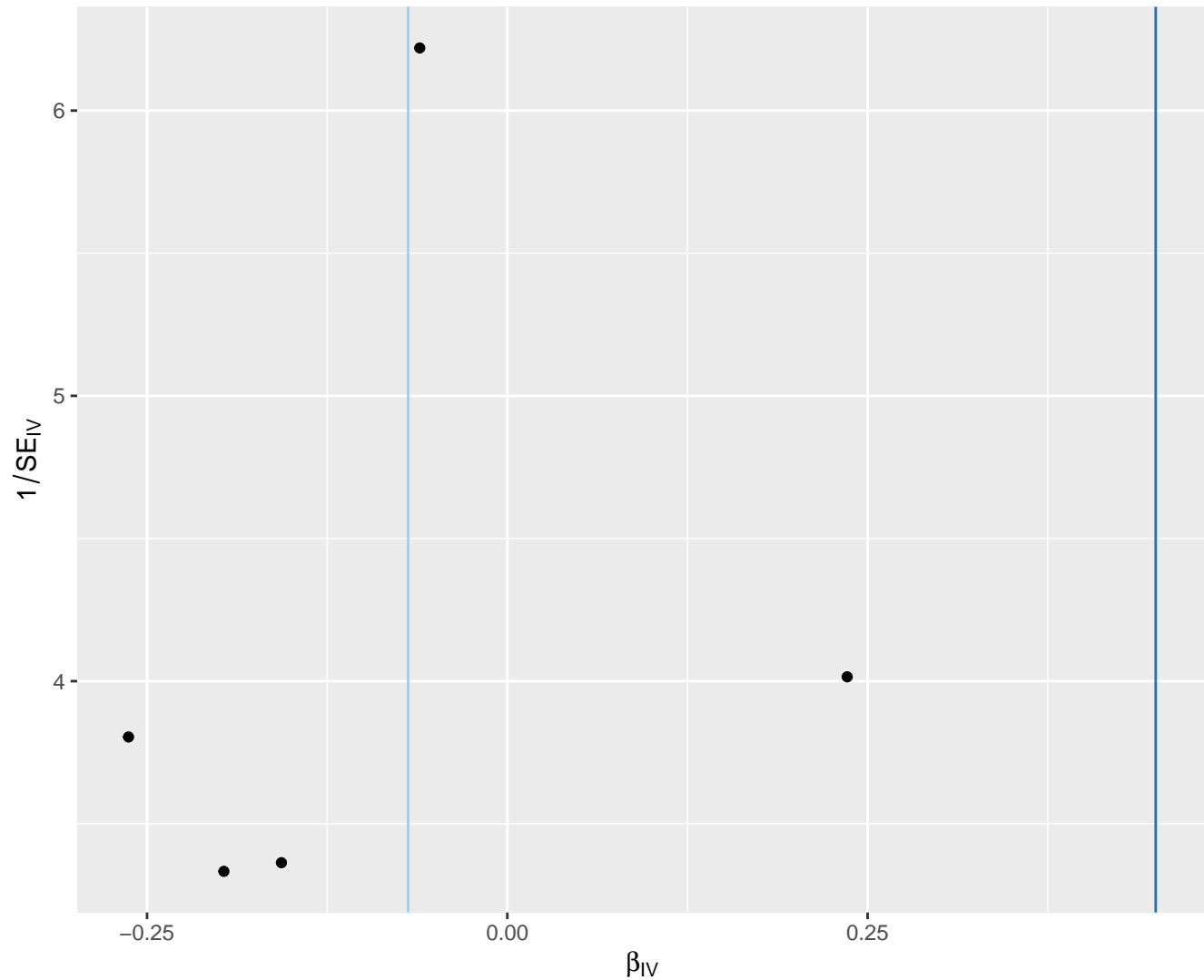
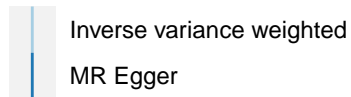
# Taurochenodeoxycholate

MR Method



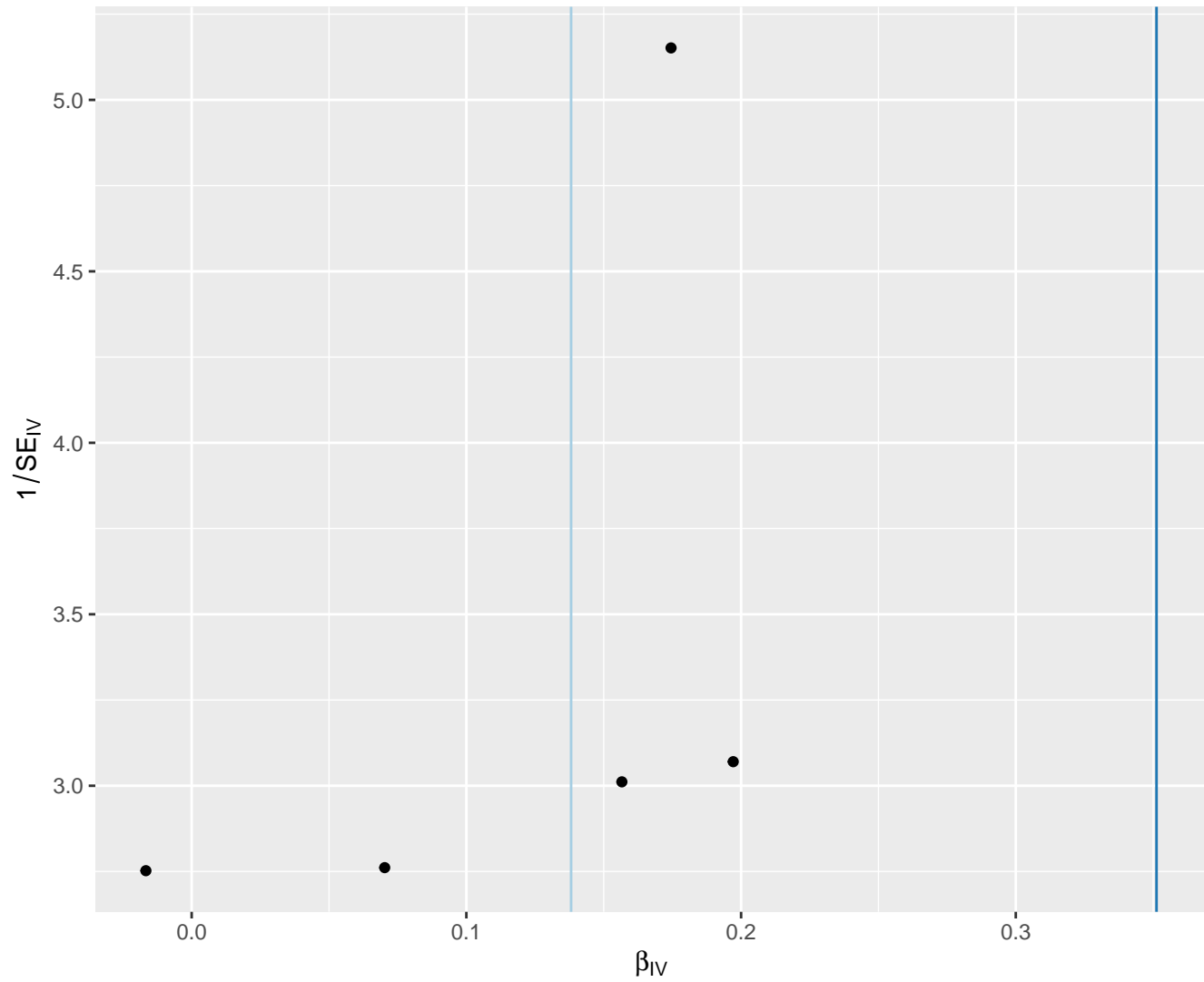
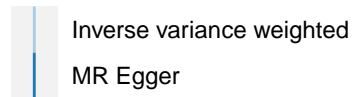
# Taurocholate

MR Method



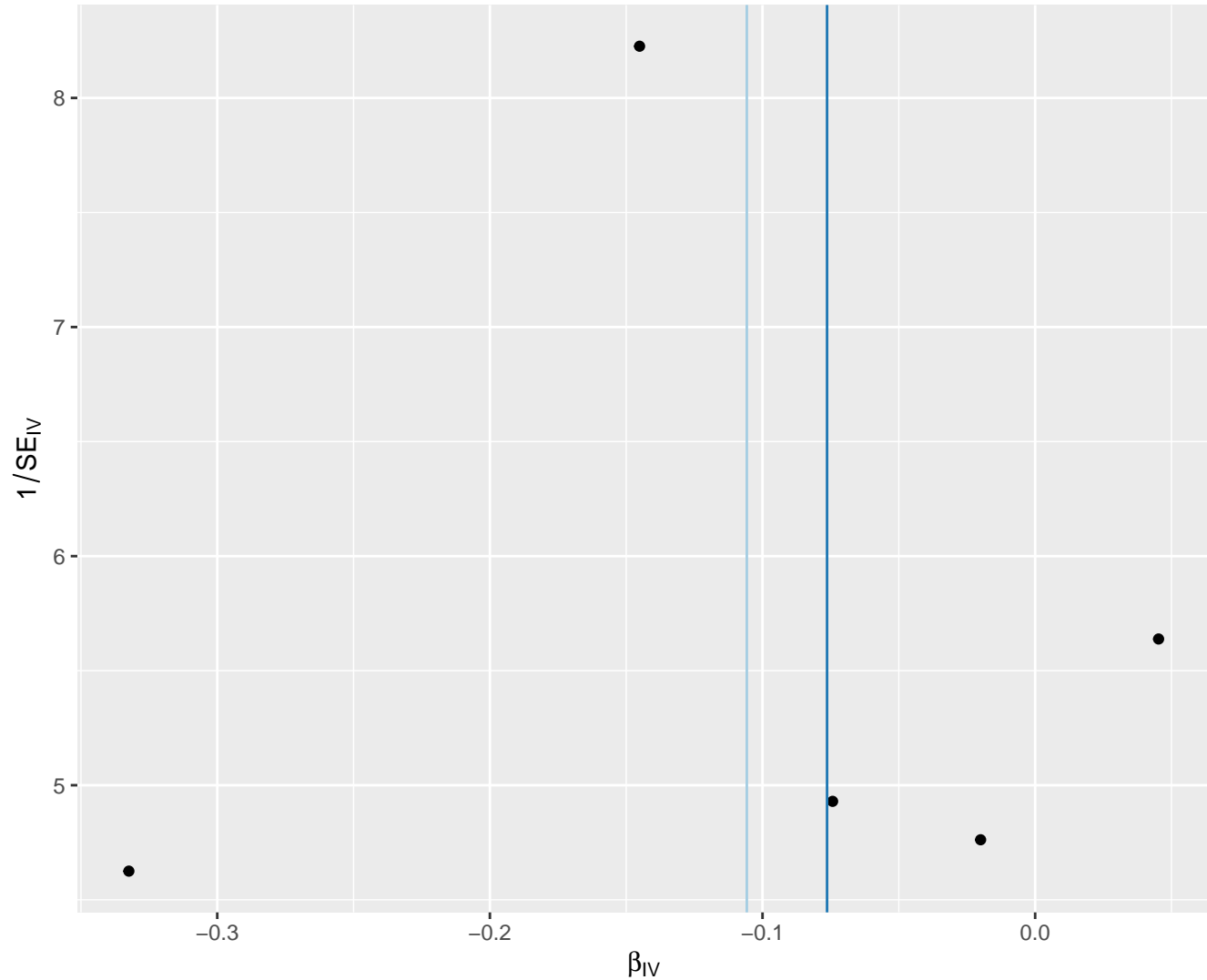
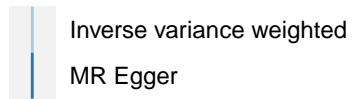
# Taurodeoxycholate

MR Method



# Taurolithocholate 3-sulfate

MR Method



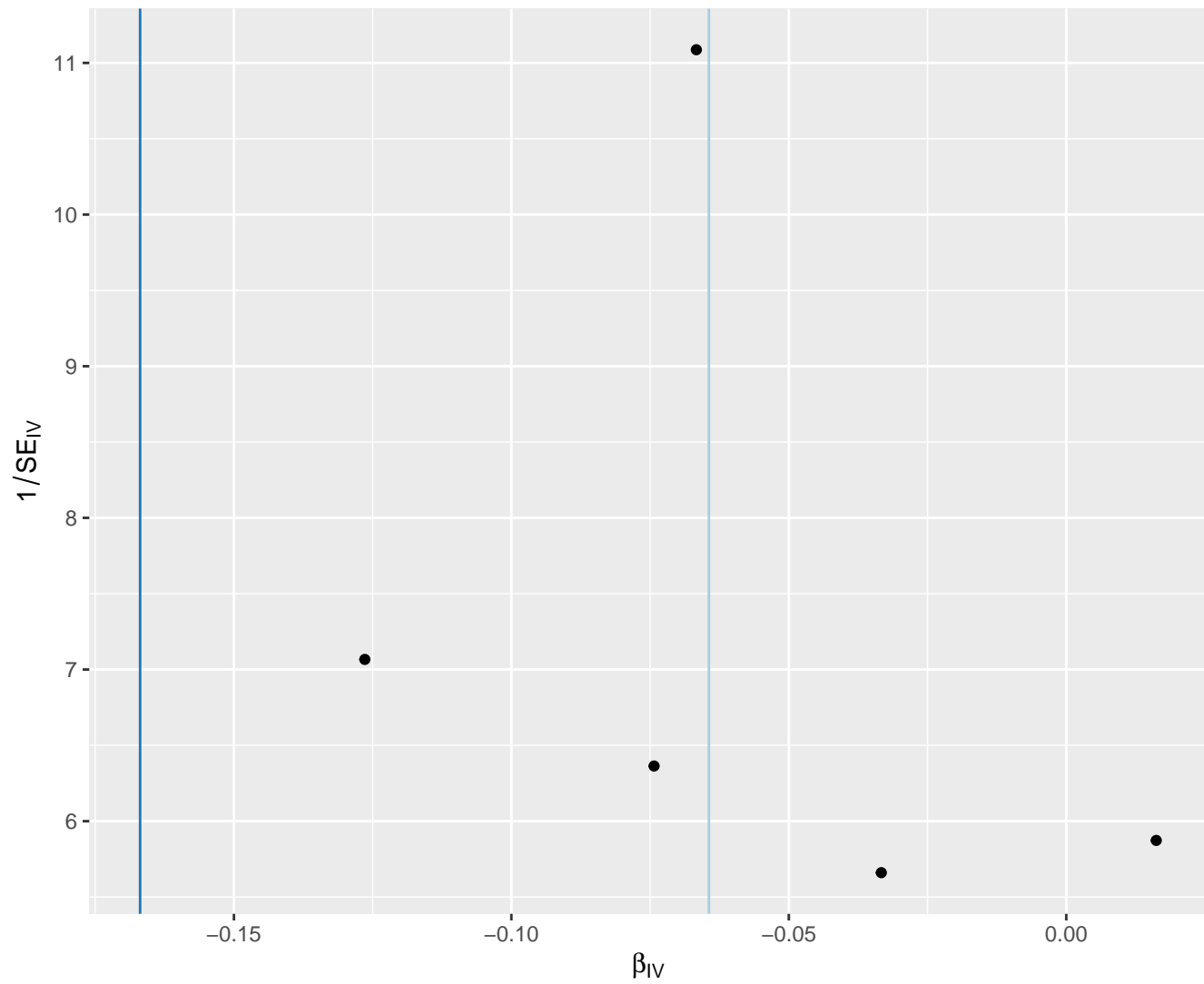
# Tetradecanedioate

MR Method



Inverse variance weighted

MR Egger



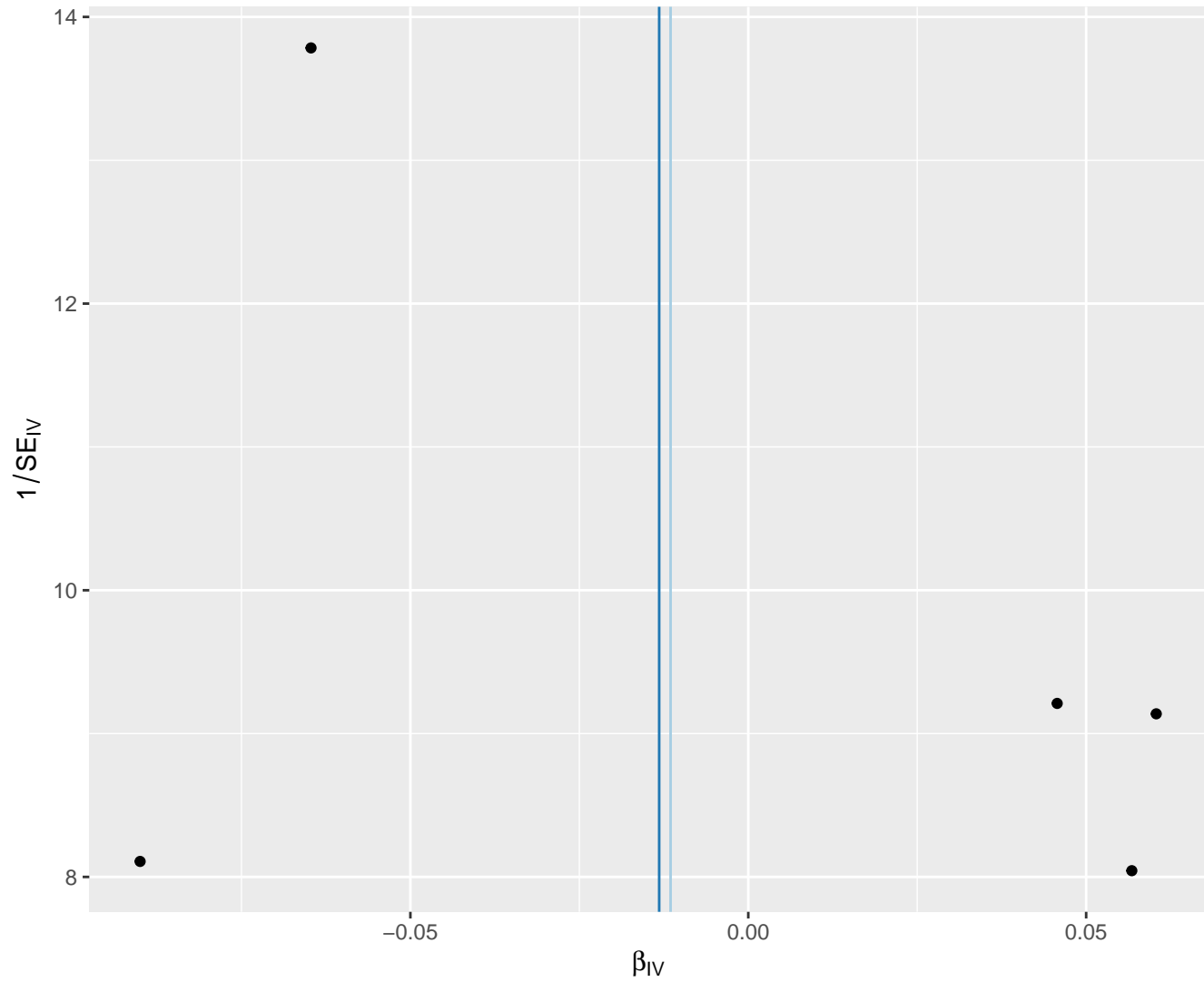
Threitol

MR Method



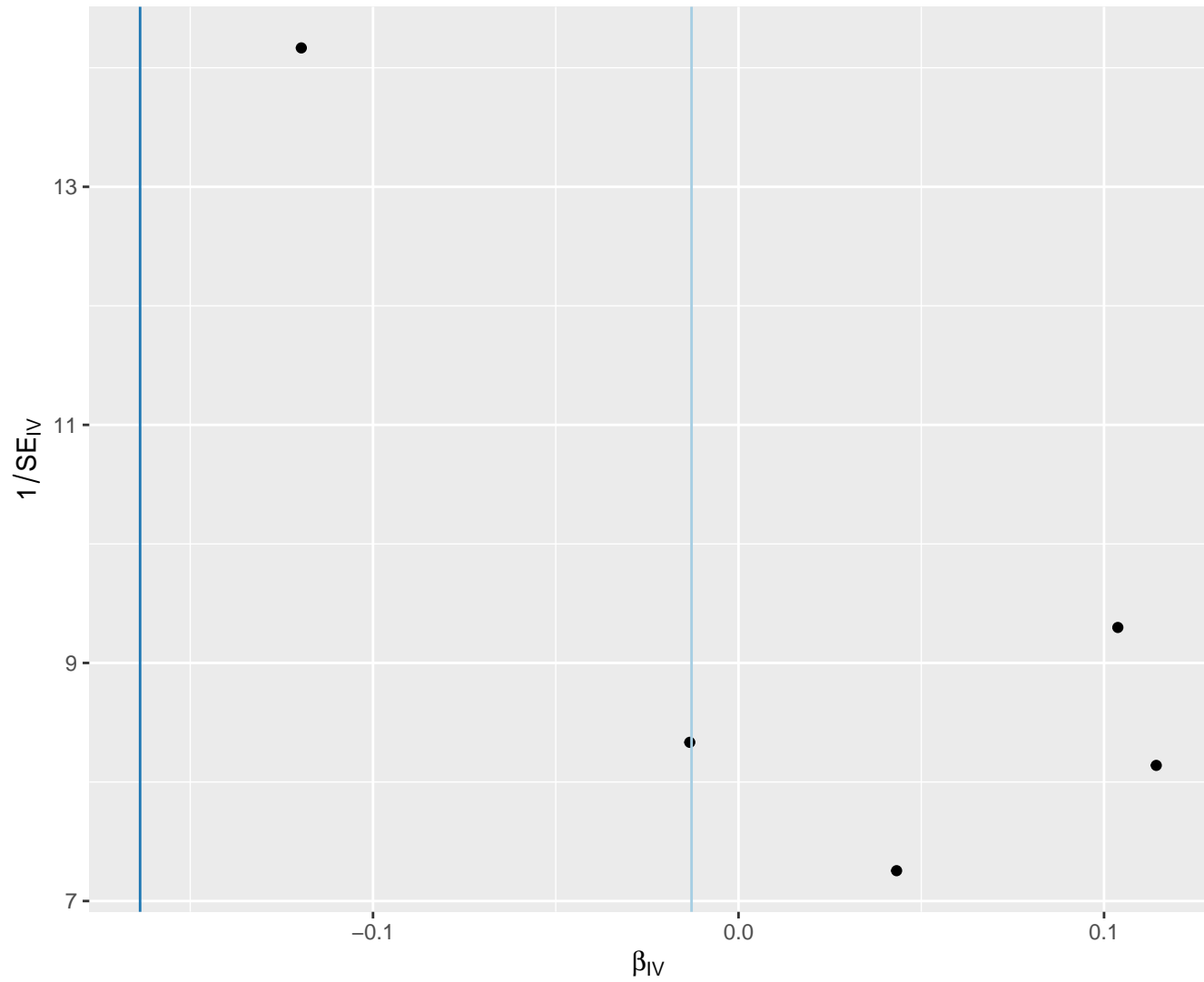
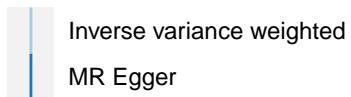
Inverse variance weighted

MR Egger



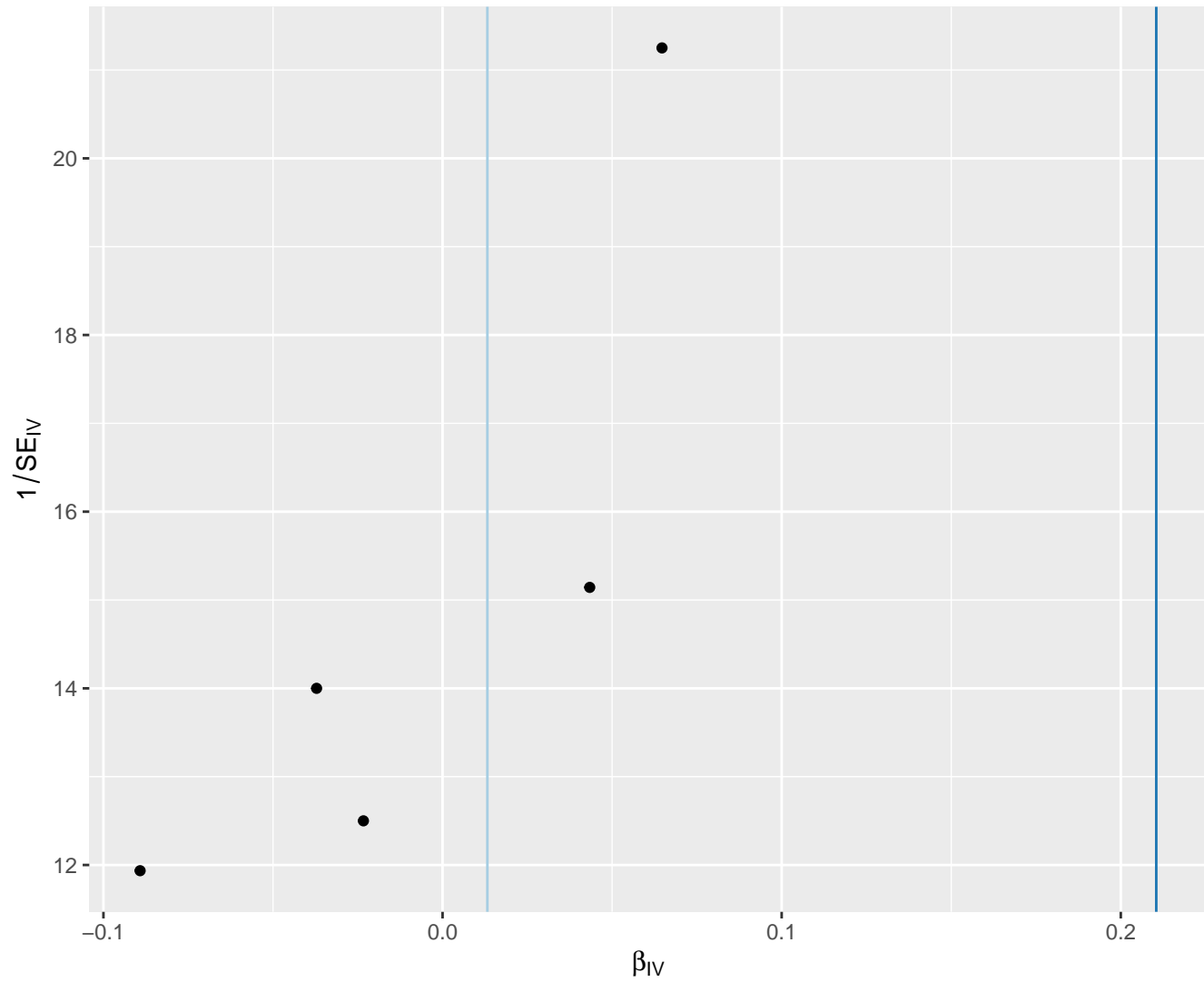
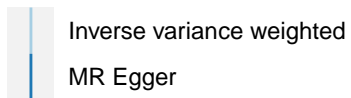
# Threonate

## MR Method



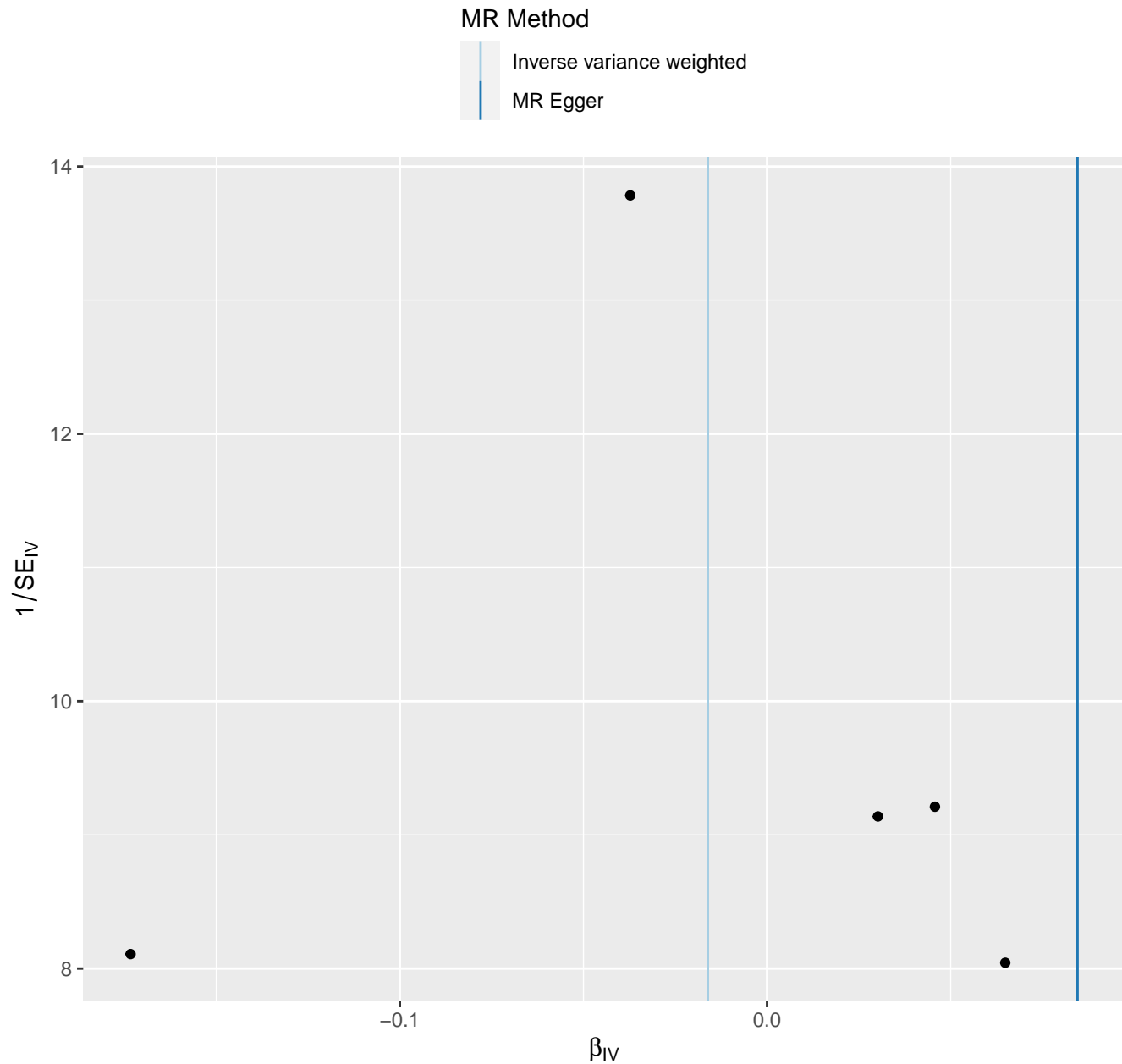
# Threonine

MR Method



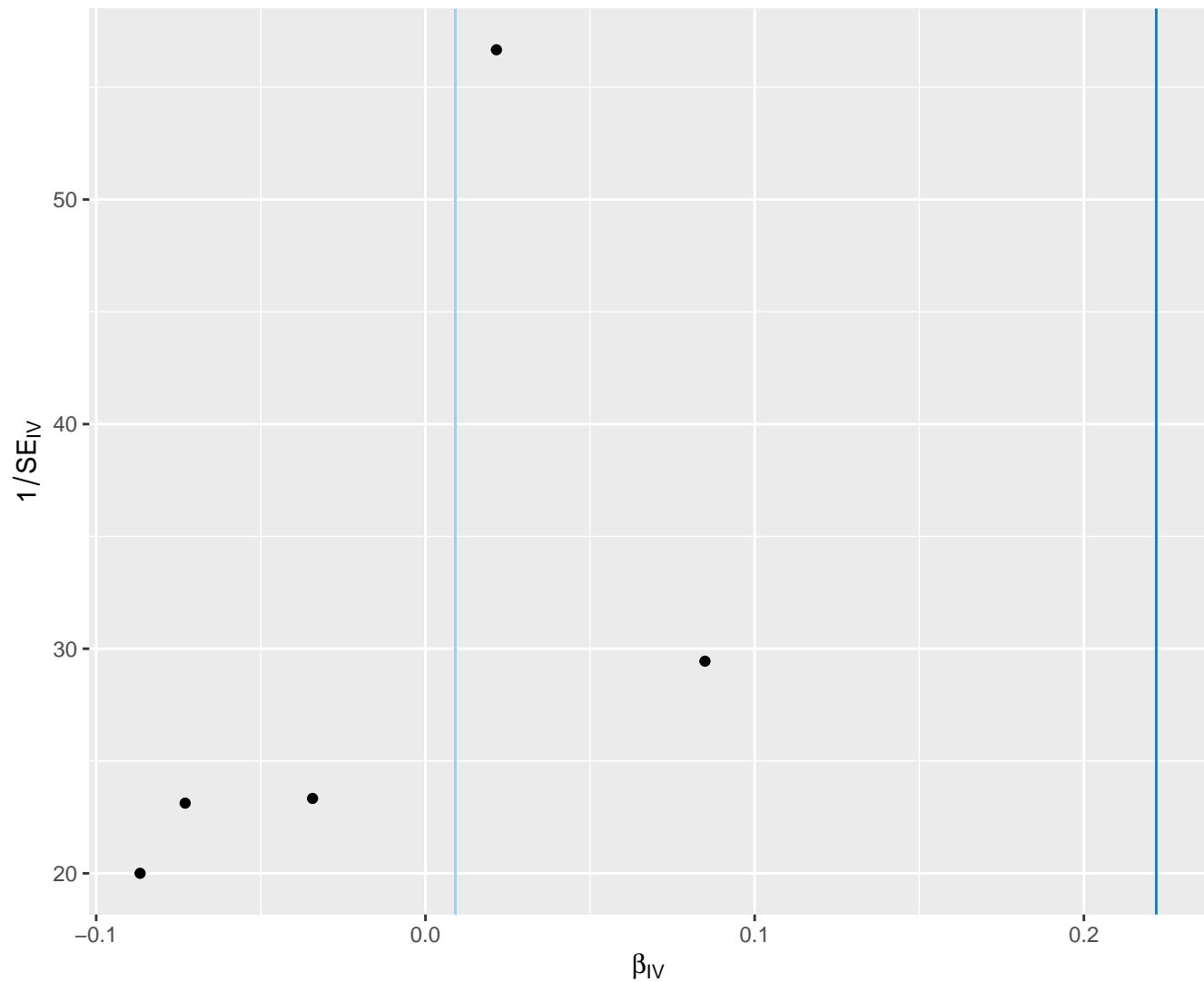
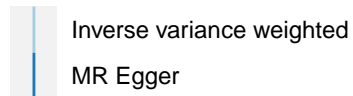


# Trans-4-hydroxyproline



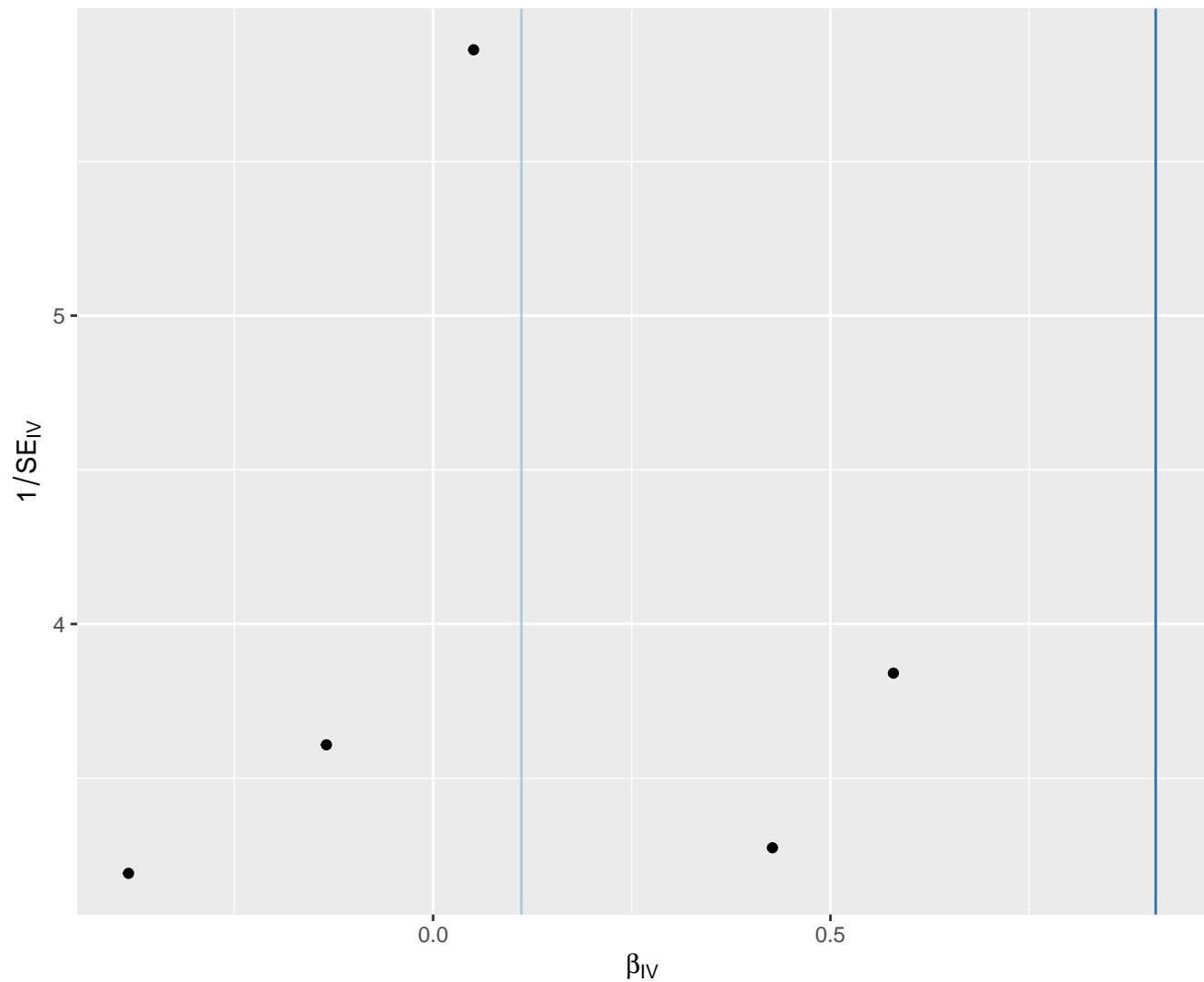
# Tryptophan

MR Method



# Tryptophan betaine

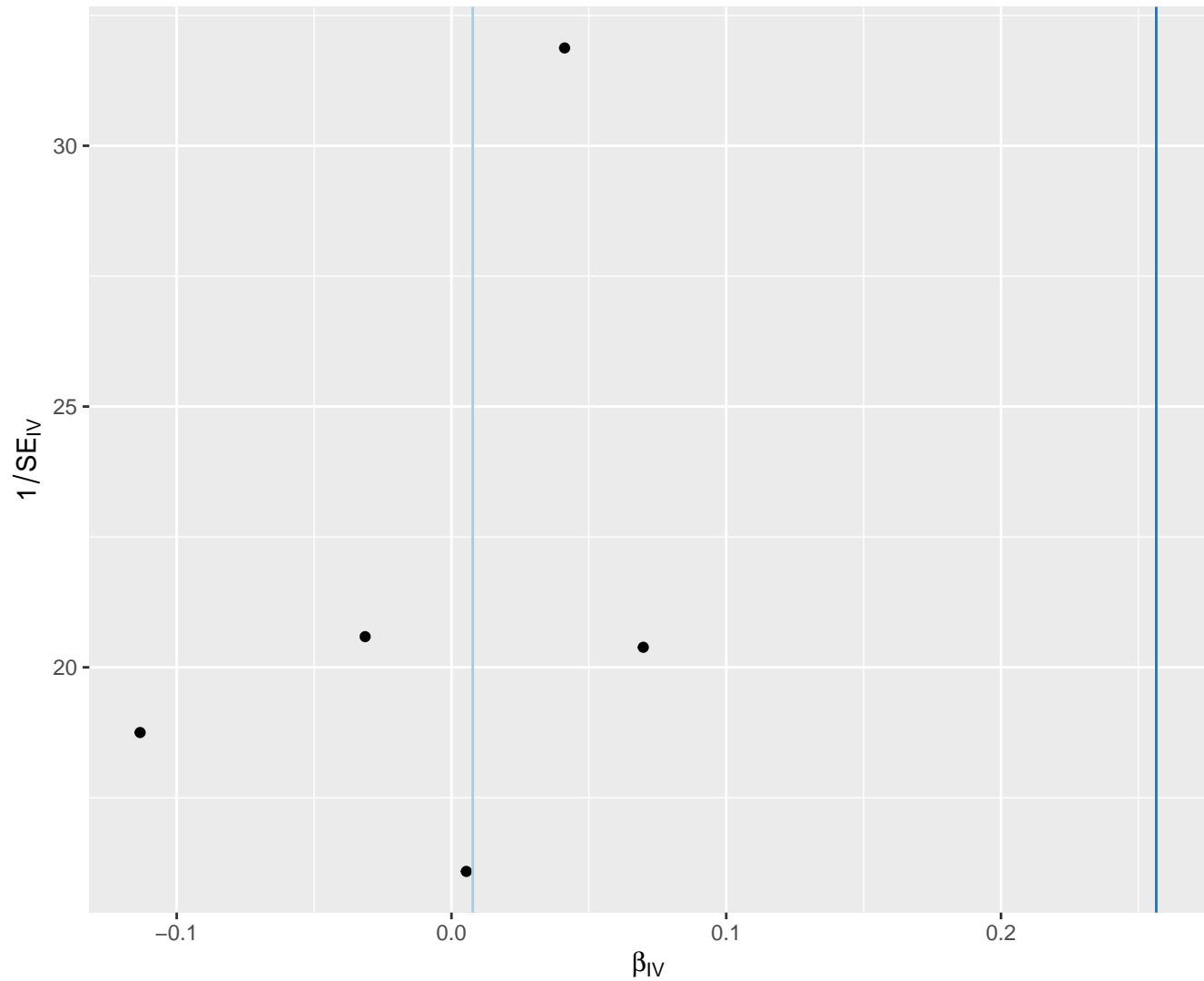
MR Method



# Tyrosine

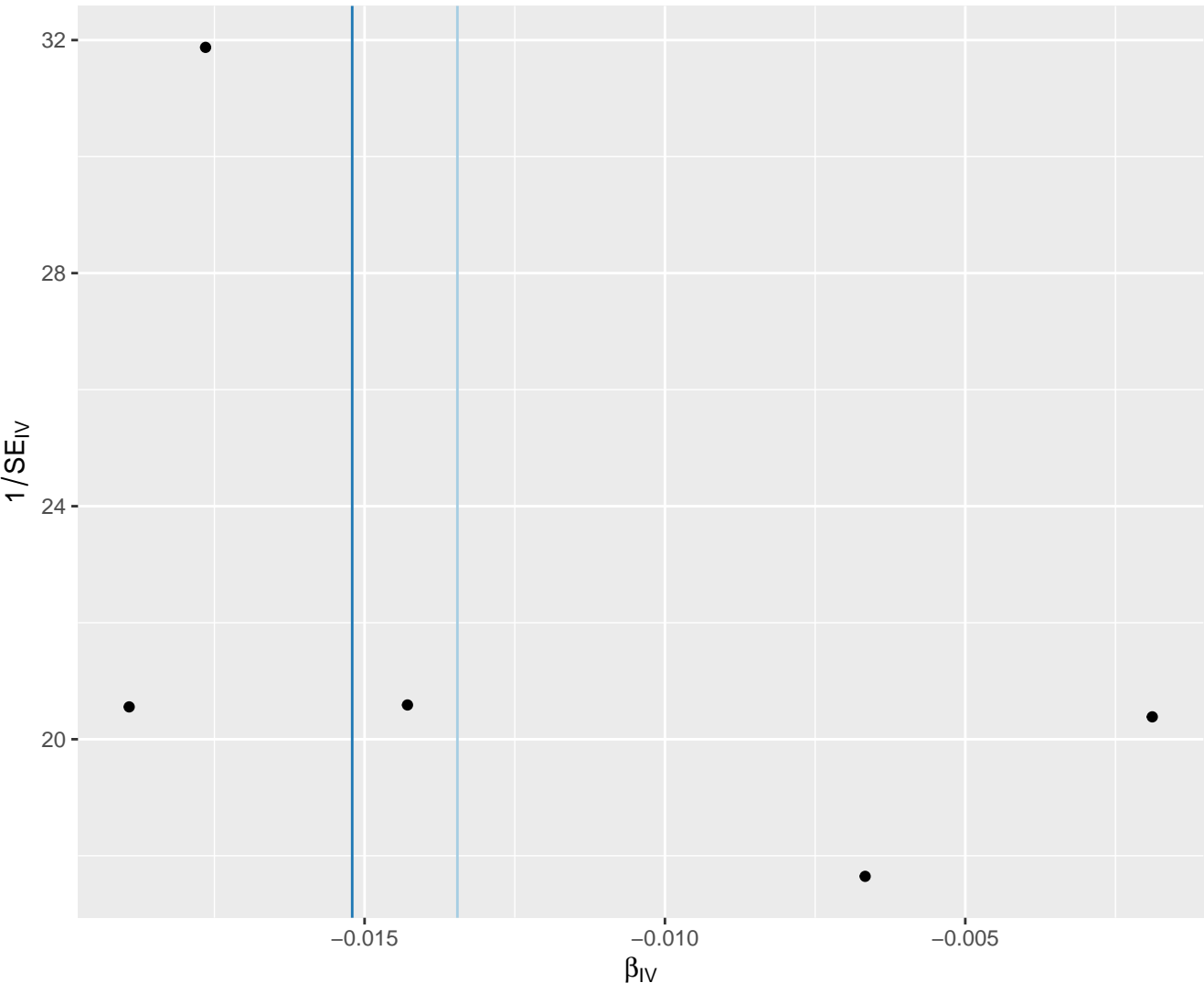
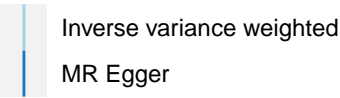
## MR Method

- Inverse variance weighted
- MR Egger



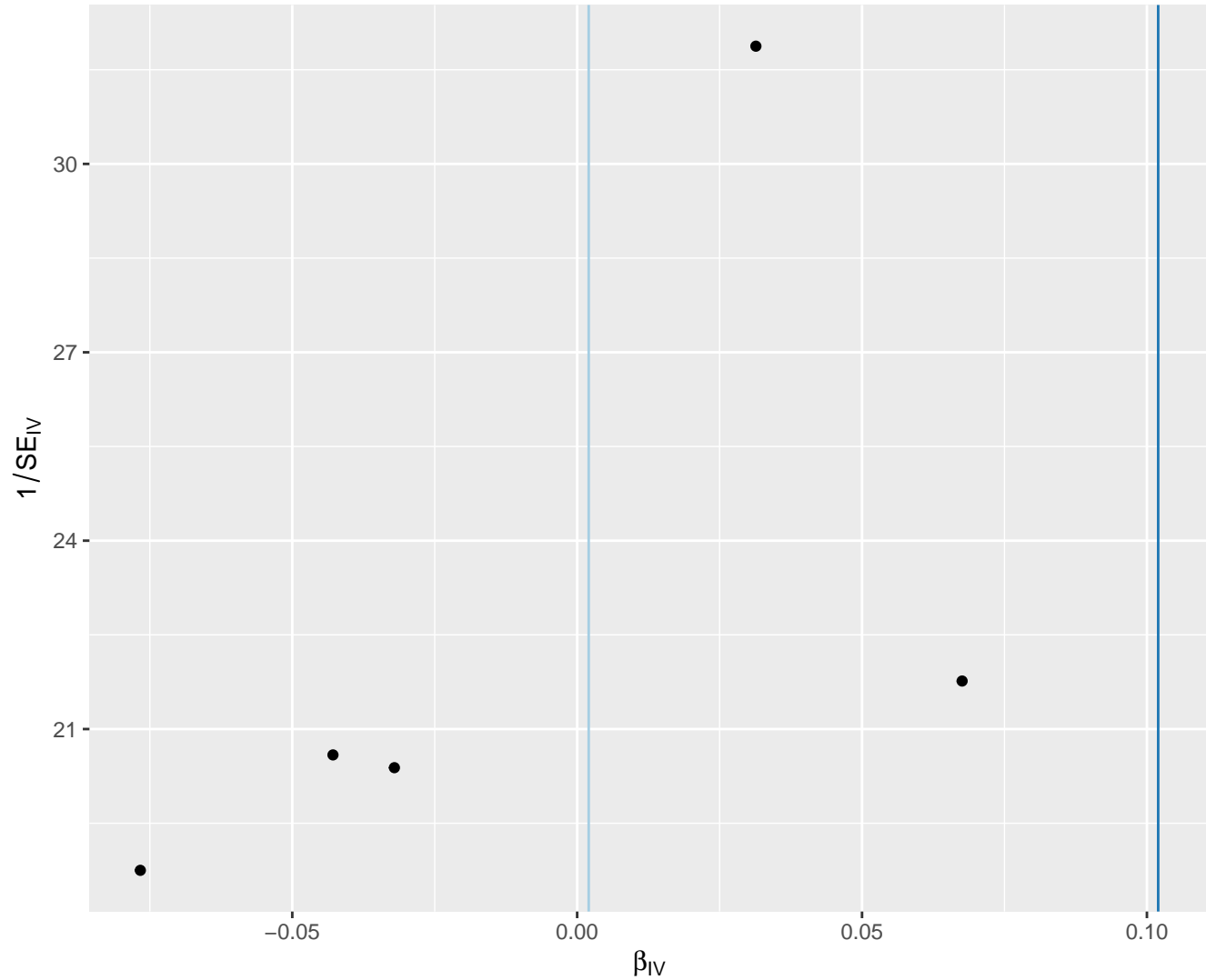
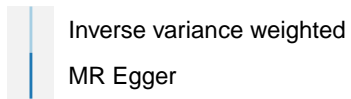
Undecanoate (11:0)

MR Method



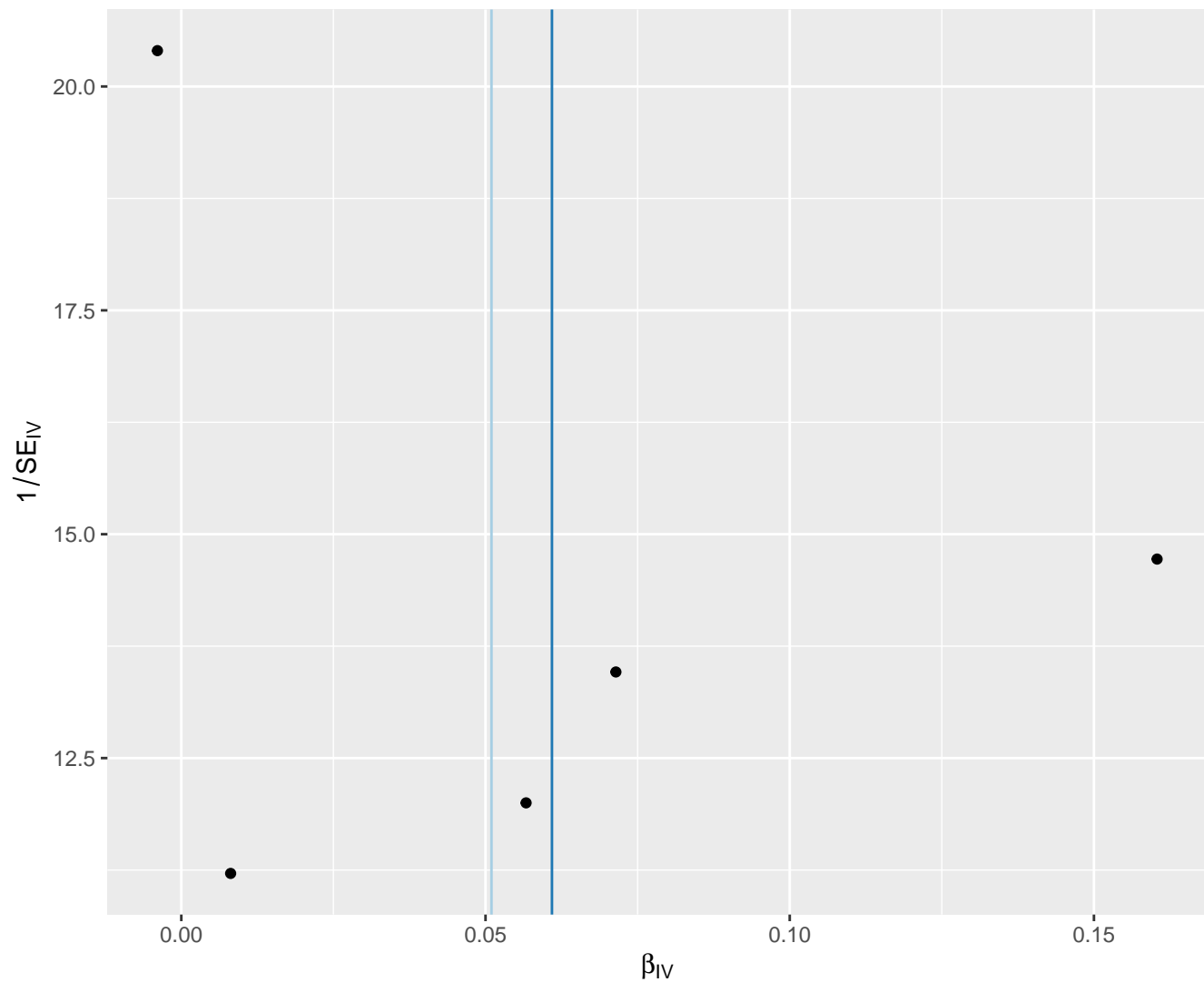
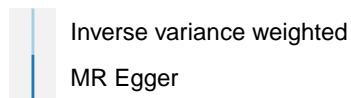
# Urate

## MR Method



# Urea

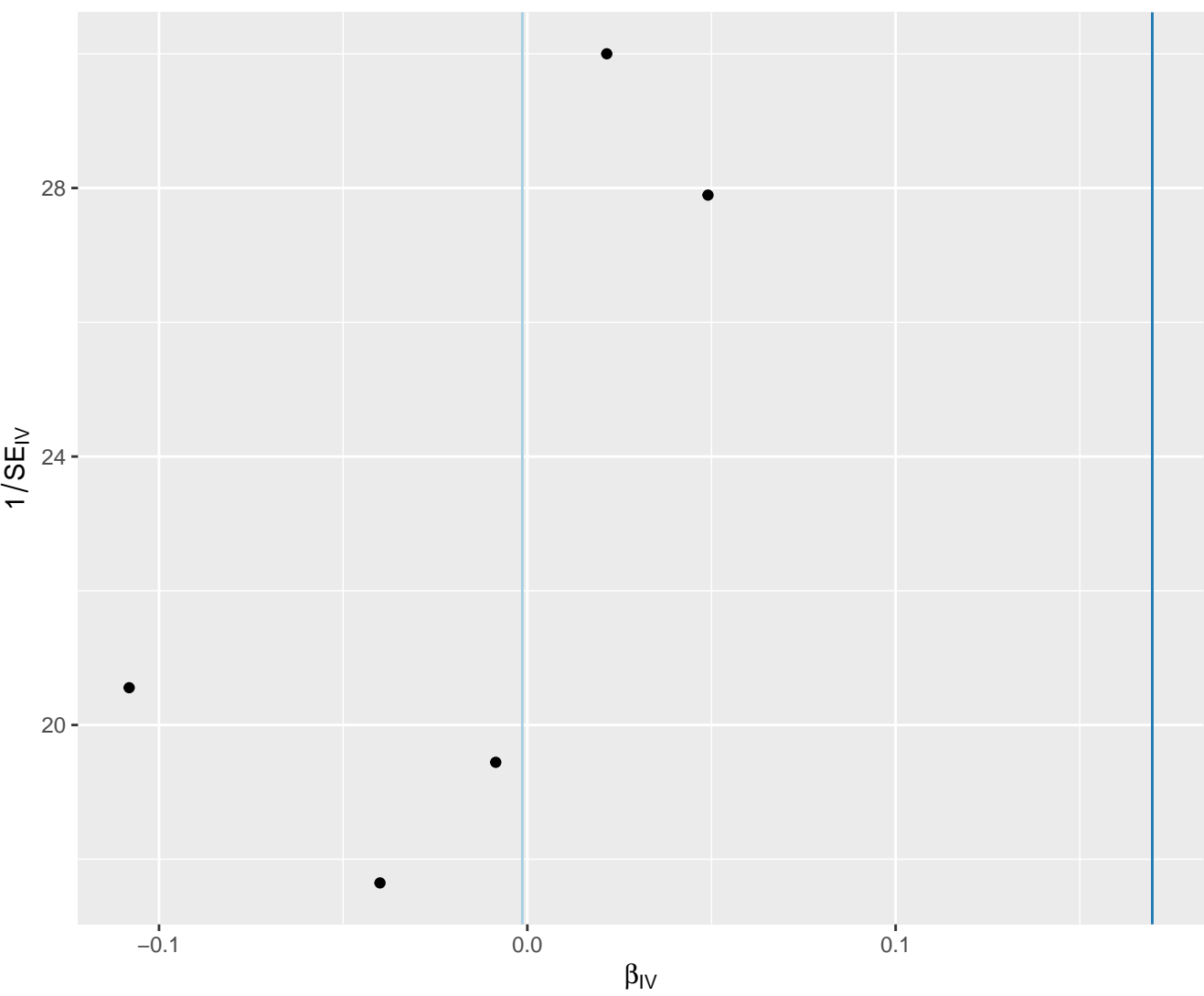
## MR Method



# Uridine

MR Method

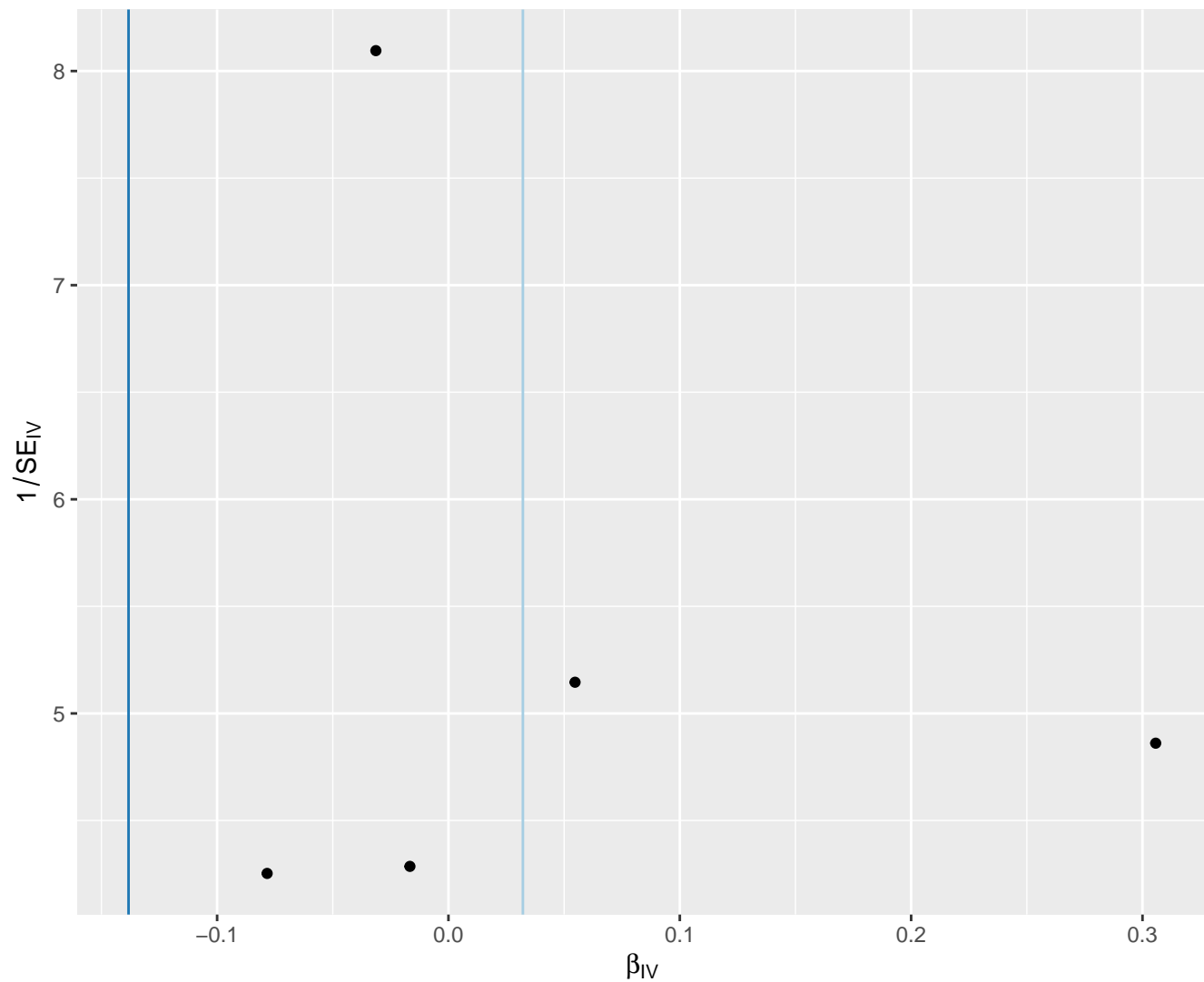
- Inverse variance weighted
- MR Egger





# Ursodeoxycholate

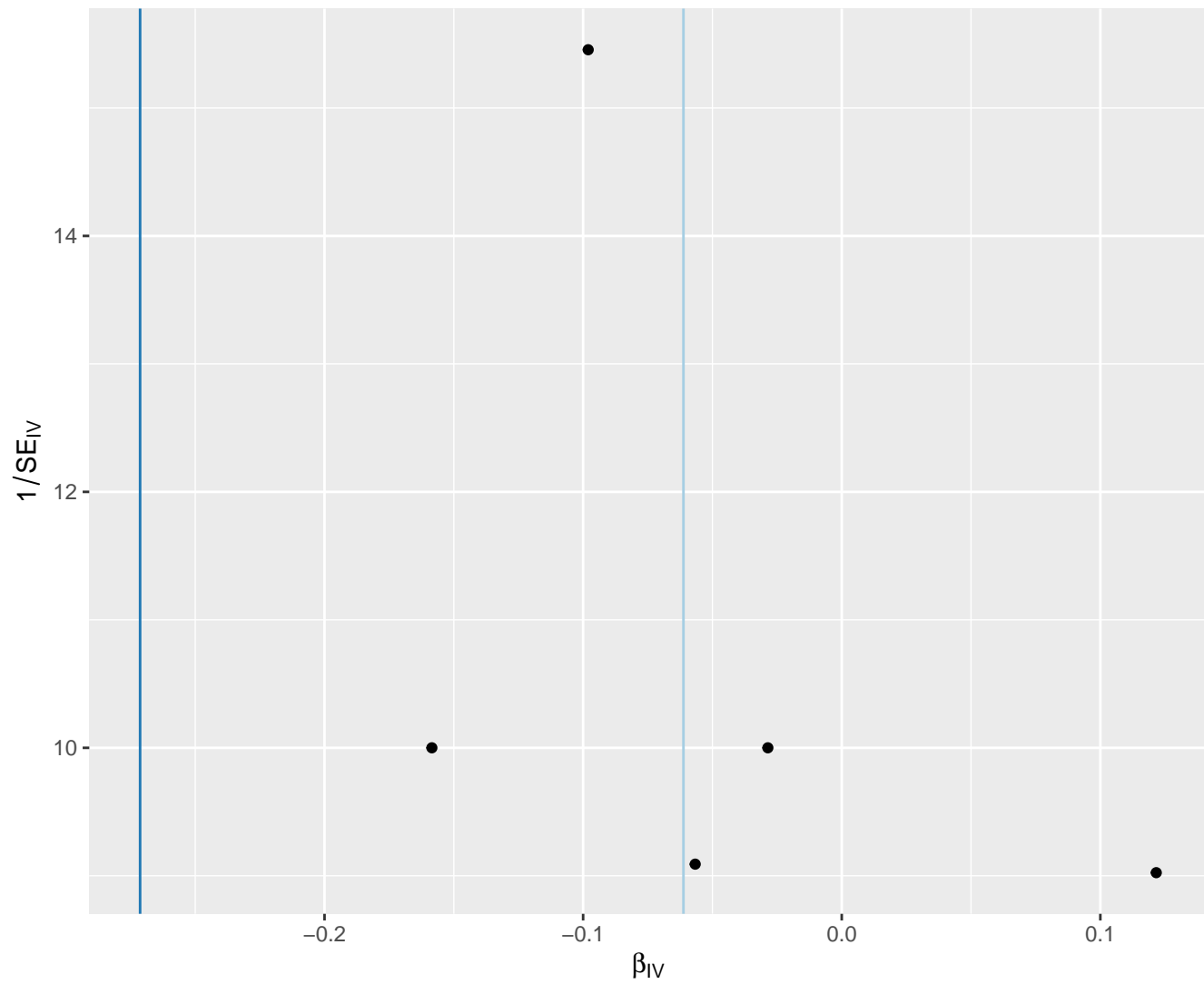
MR Method



# Valerate

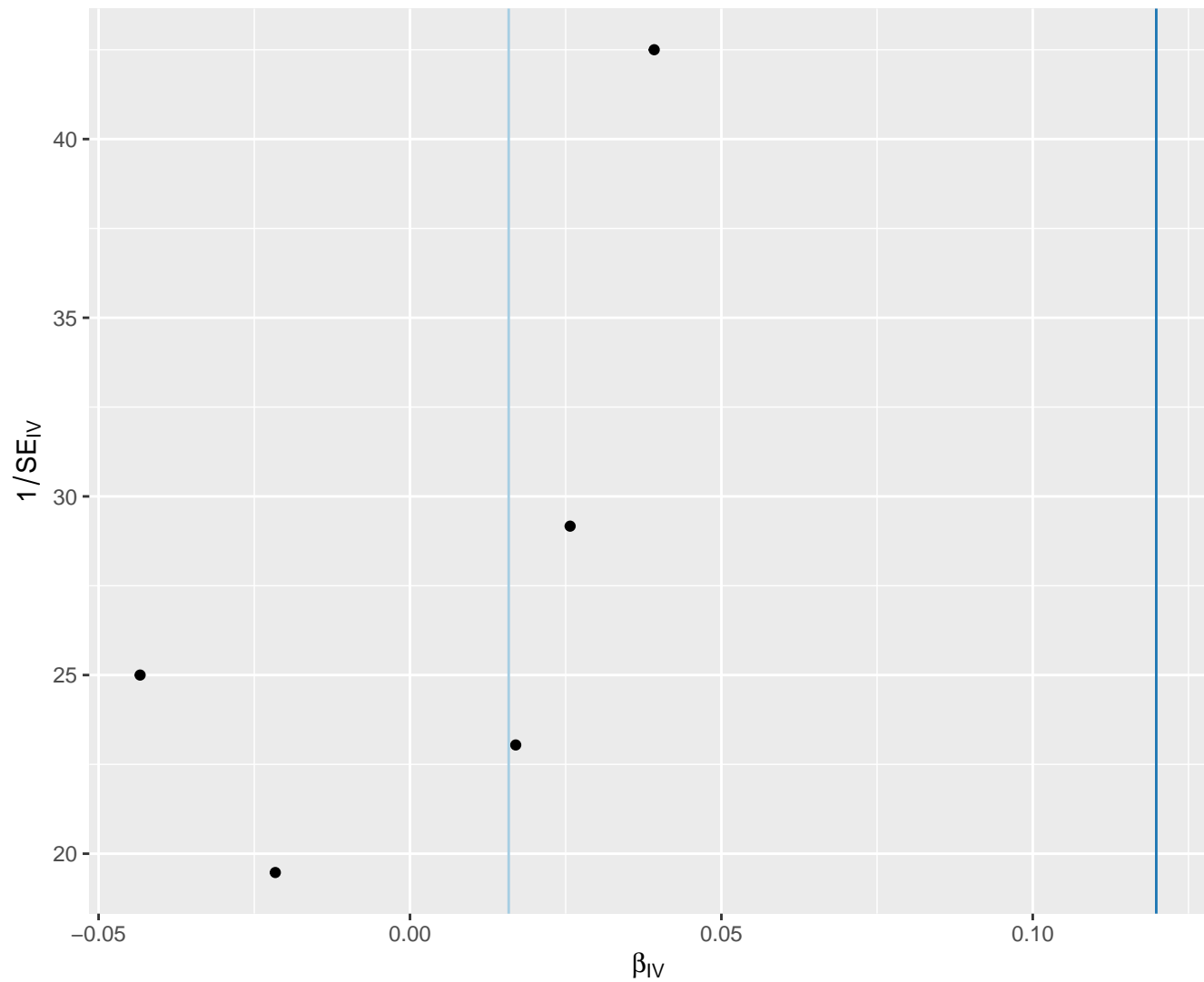
## MR Method

- Inverse variance weighted
- MR Egger



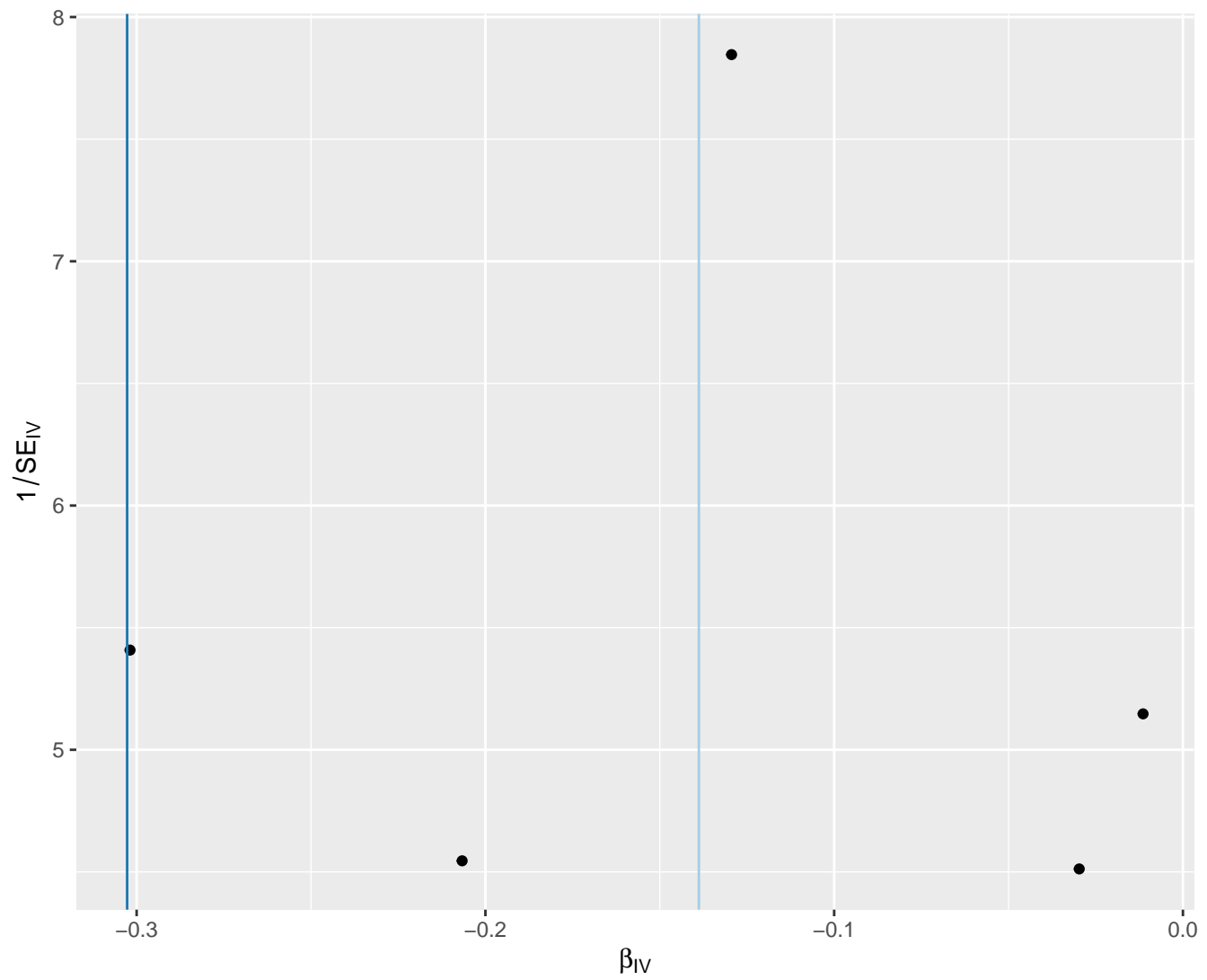
# Valine

## MR Method



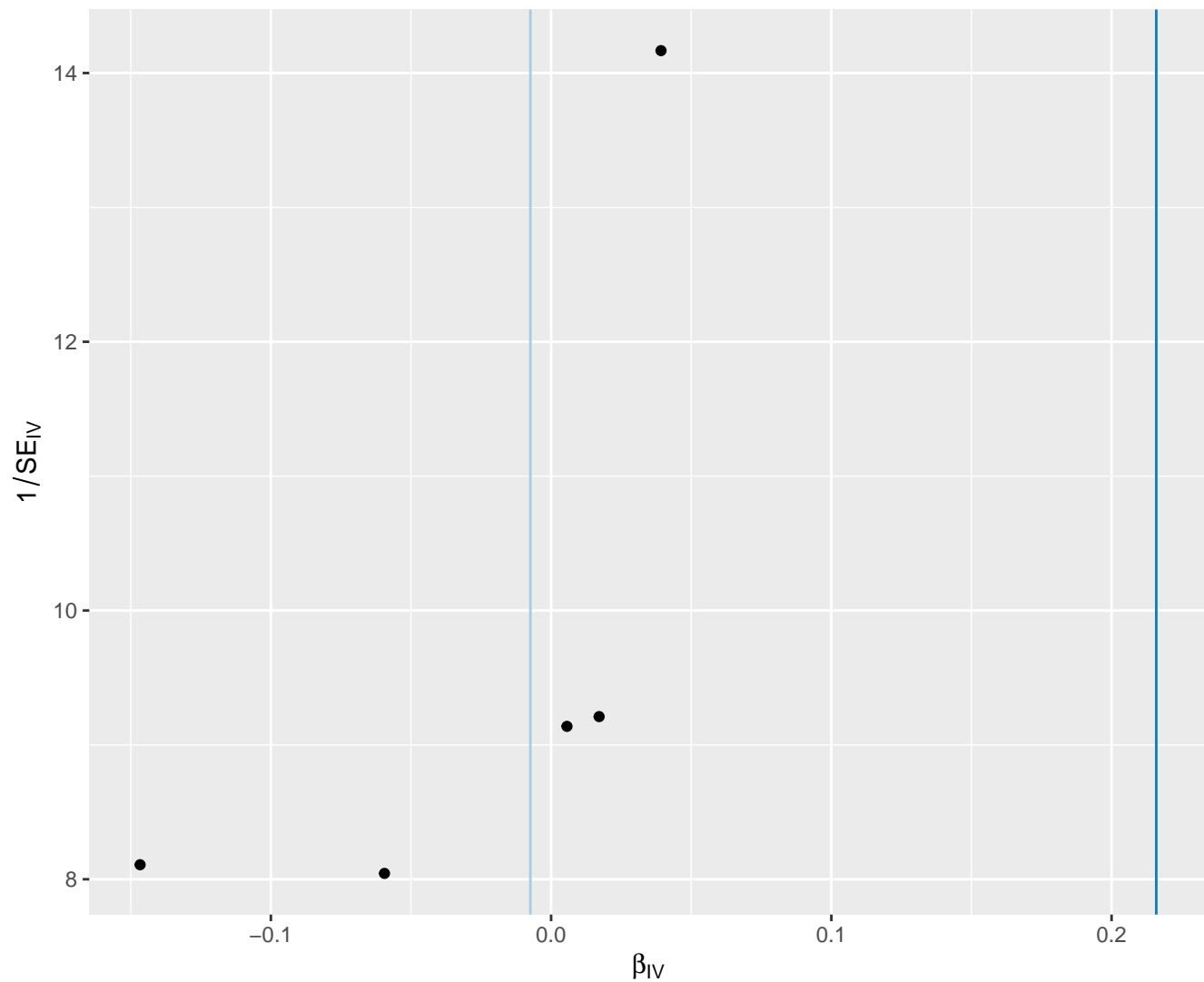
X-01911

MR Method



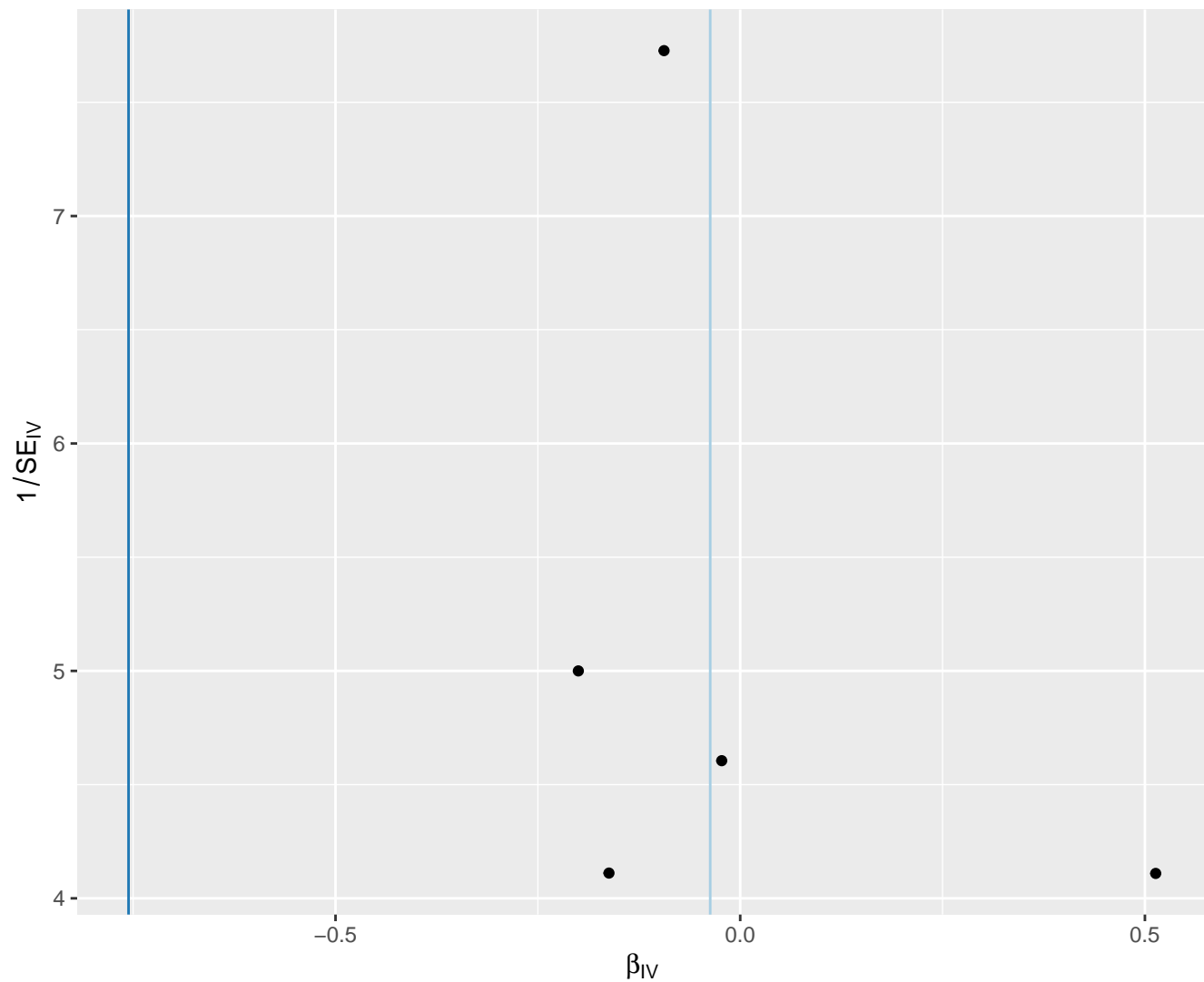
X-02249

MR Method



X-02269

MR Method



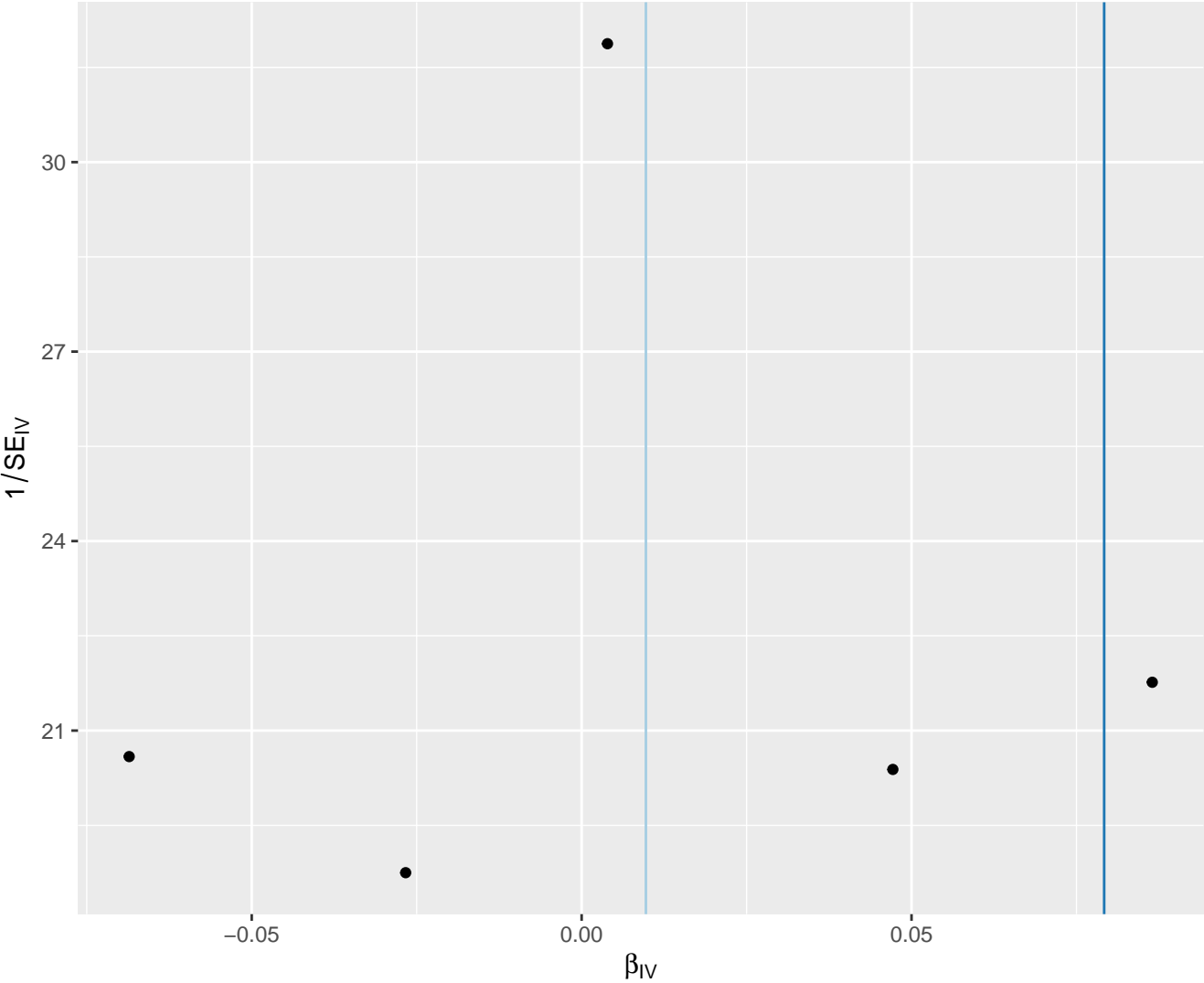
X-02973

MR Method



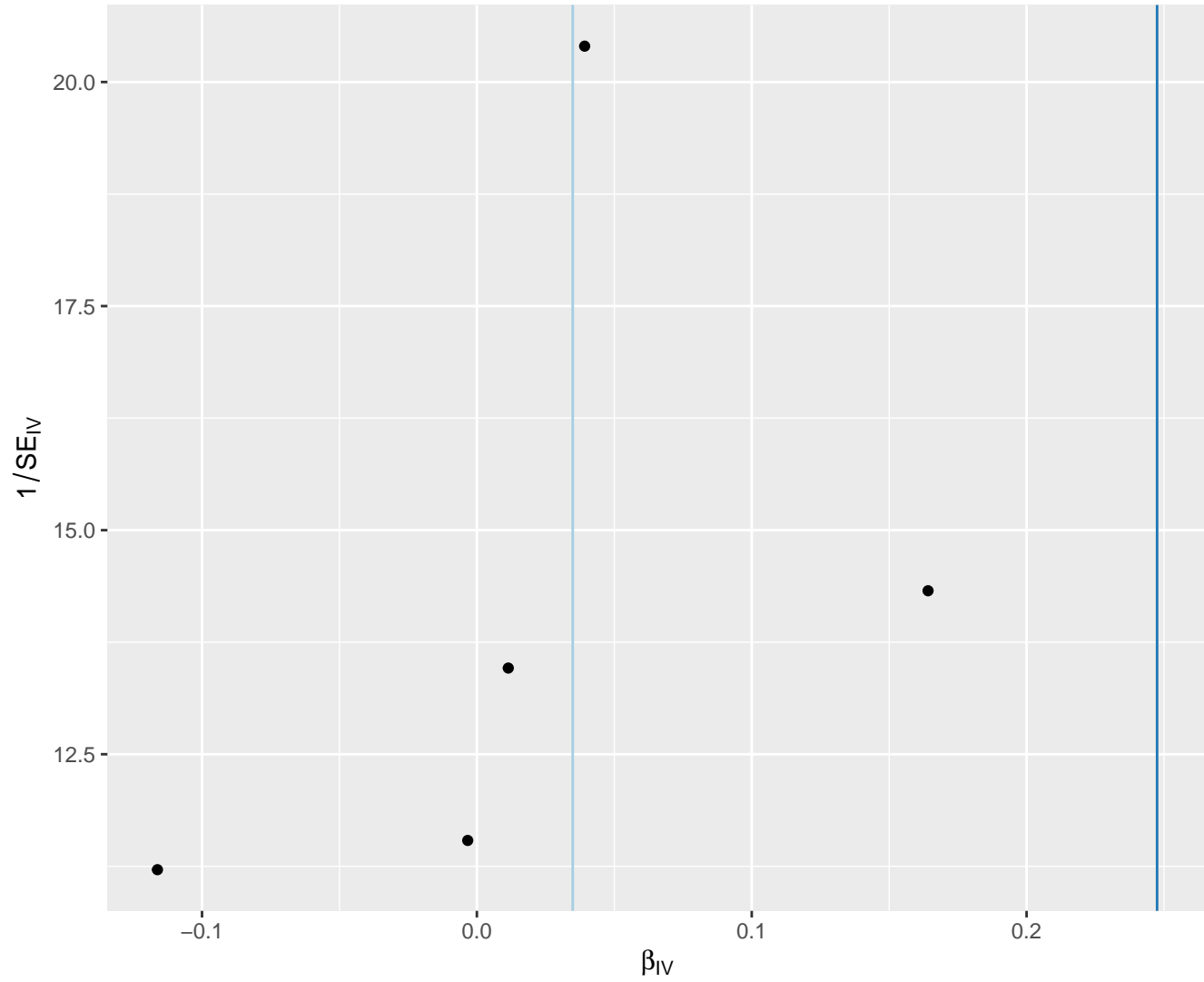
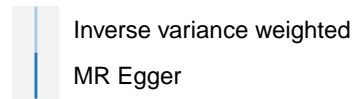
Inverse variance weighted

MR Egger



X-03003

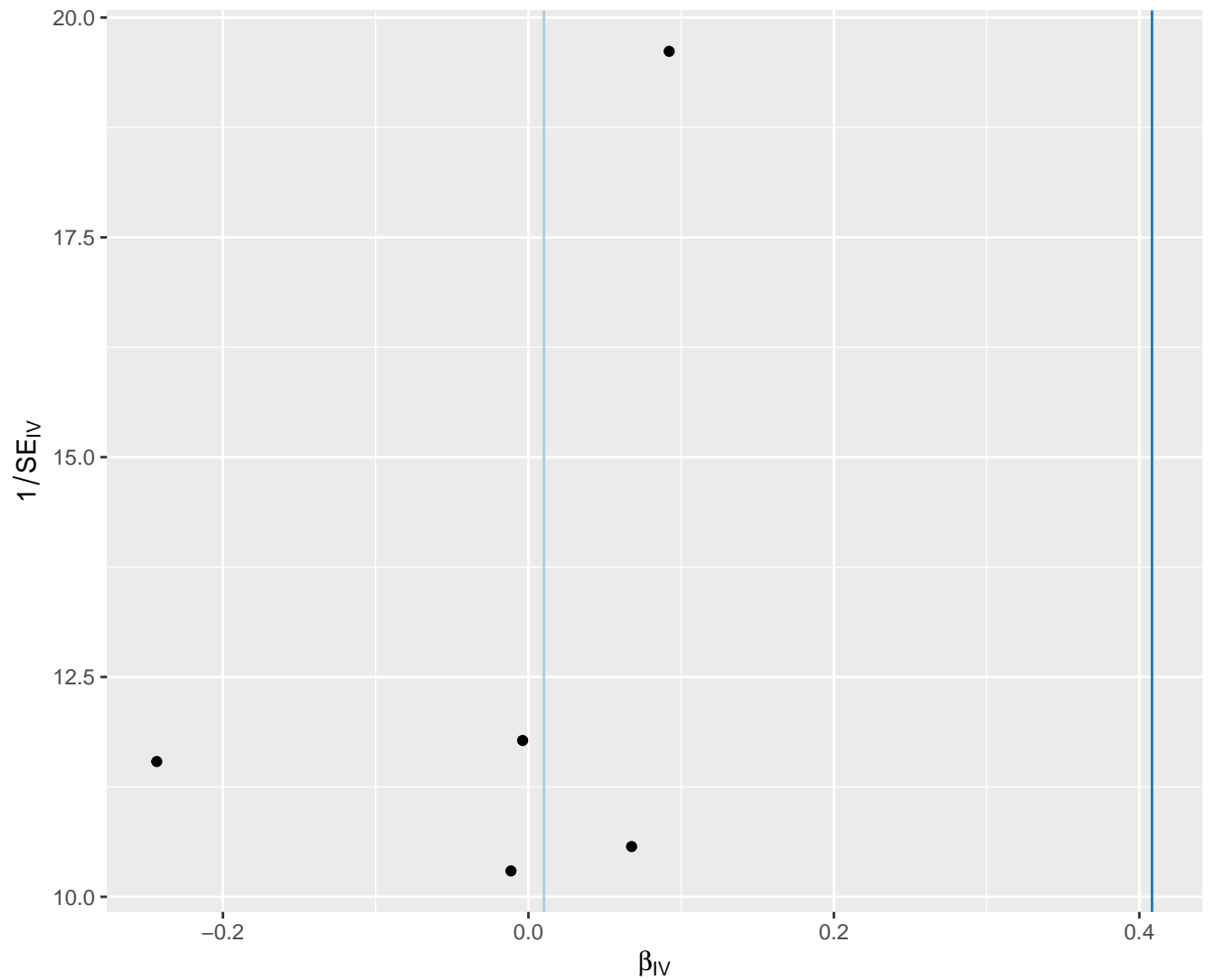
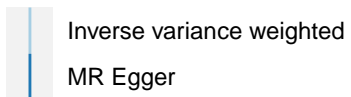
MR Method





# X-03056--N-[3-(2-Oxopyrrolidin-1-yl)propyl]acetamide

MR Method



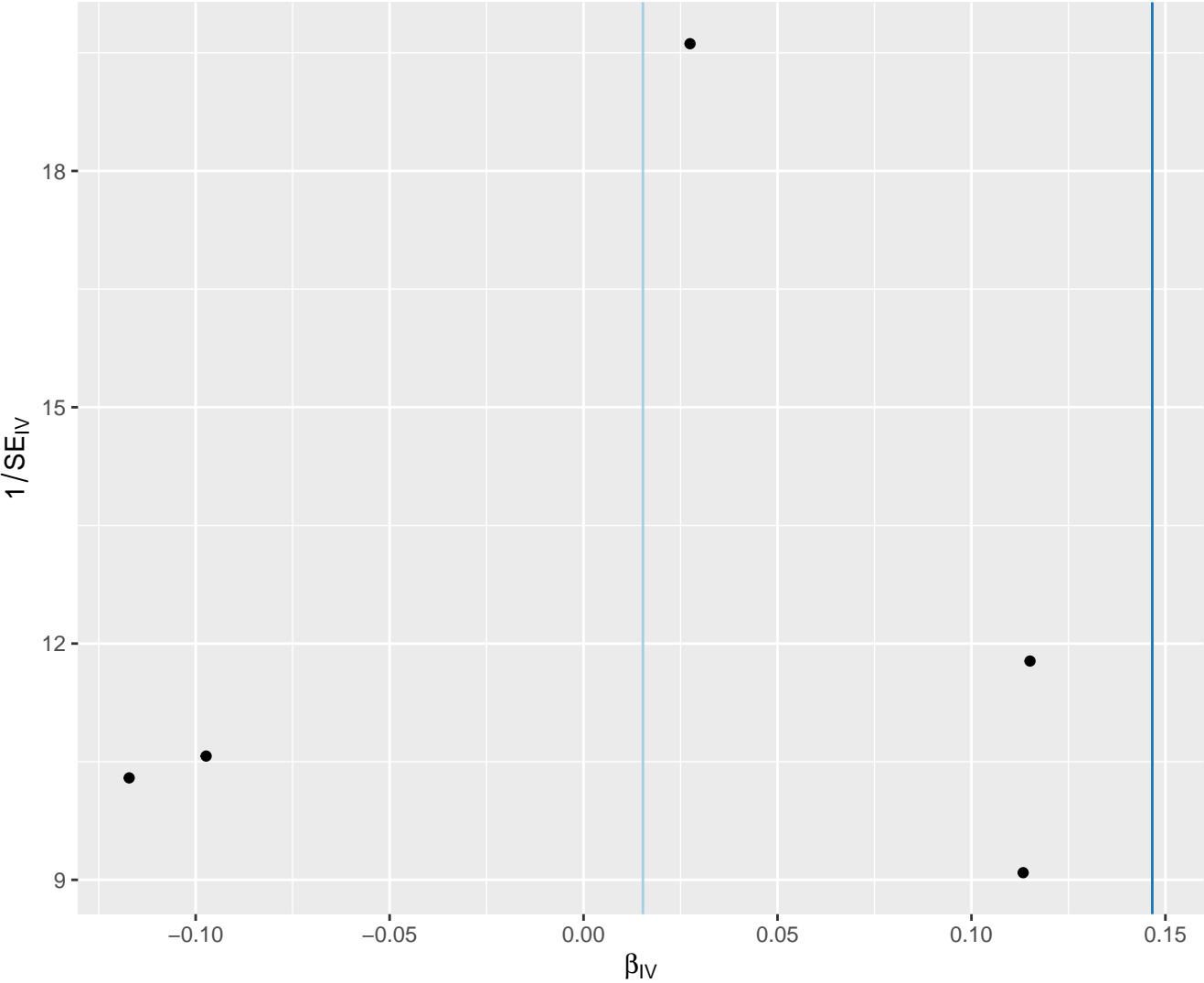
X-03088

MR Method



Inverse variance weighted

MR Egger



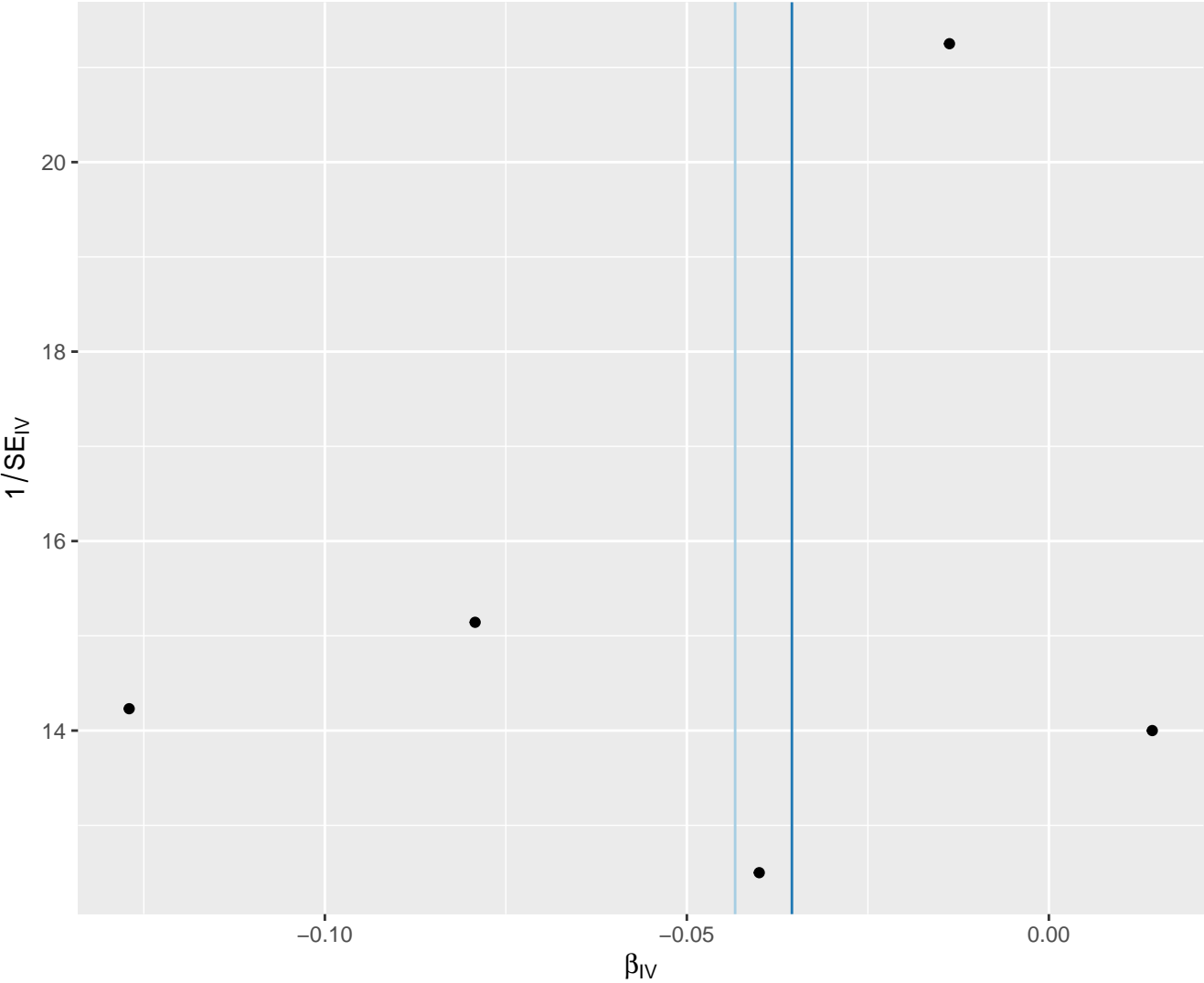
X-03094

MR Method



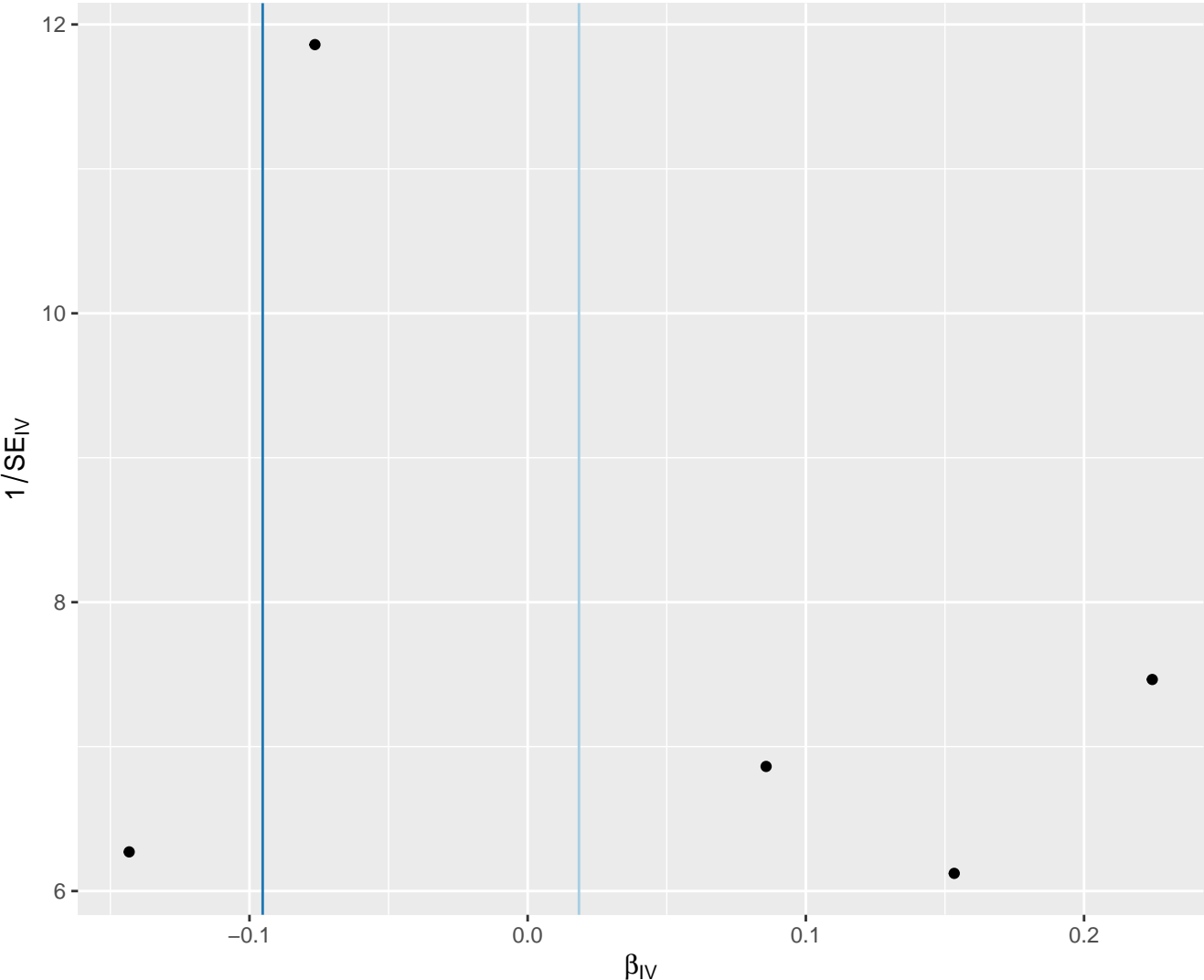
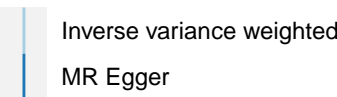
Inverse variance weighted

MR Egger



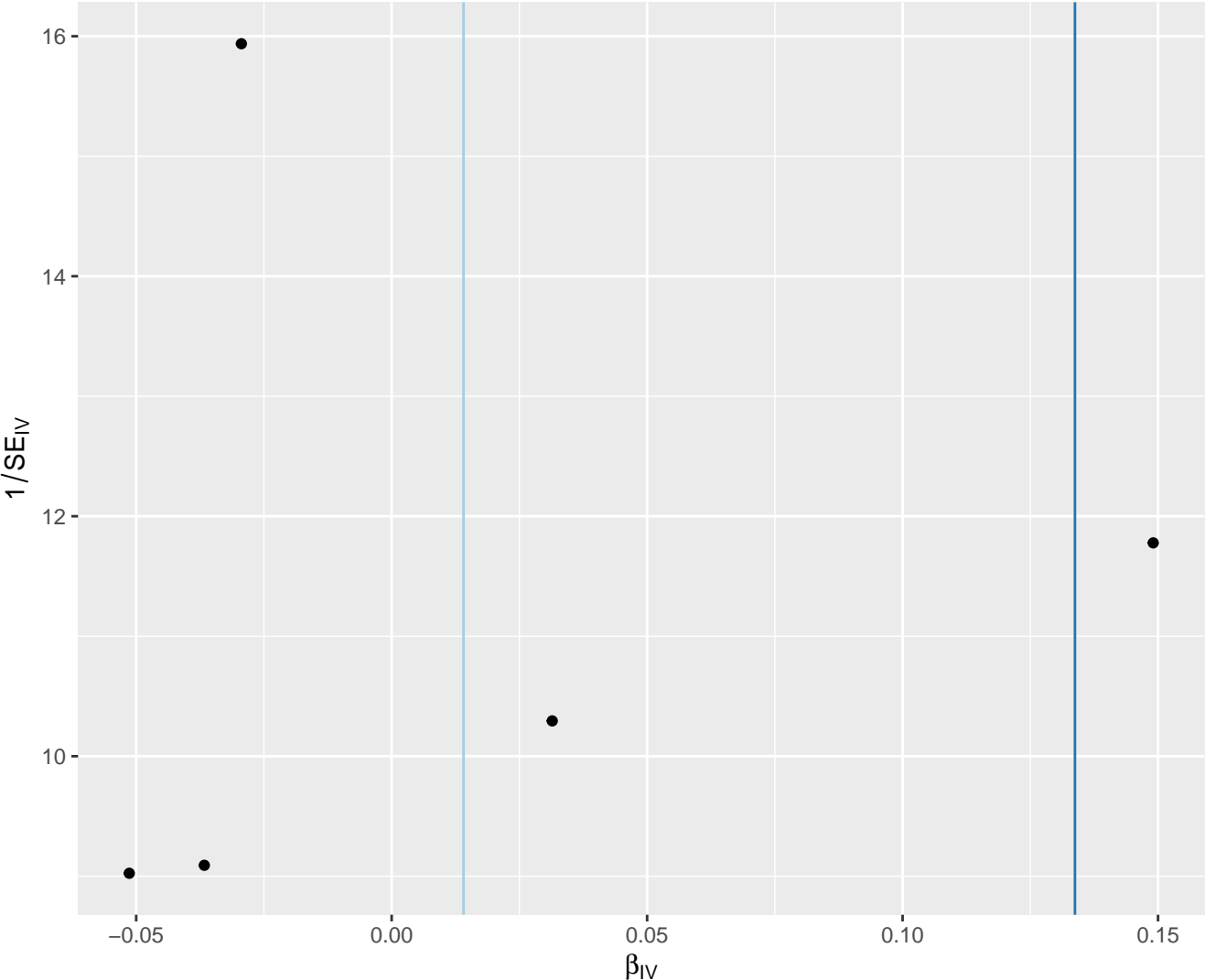
X-04357

MR Method



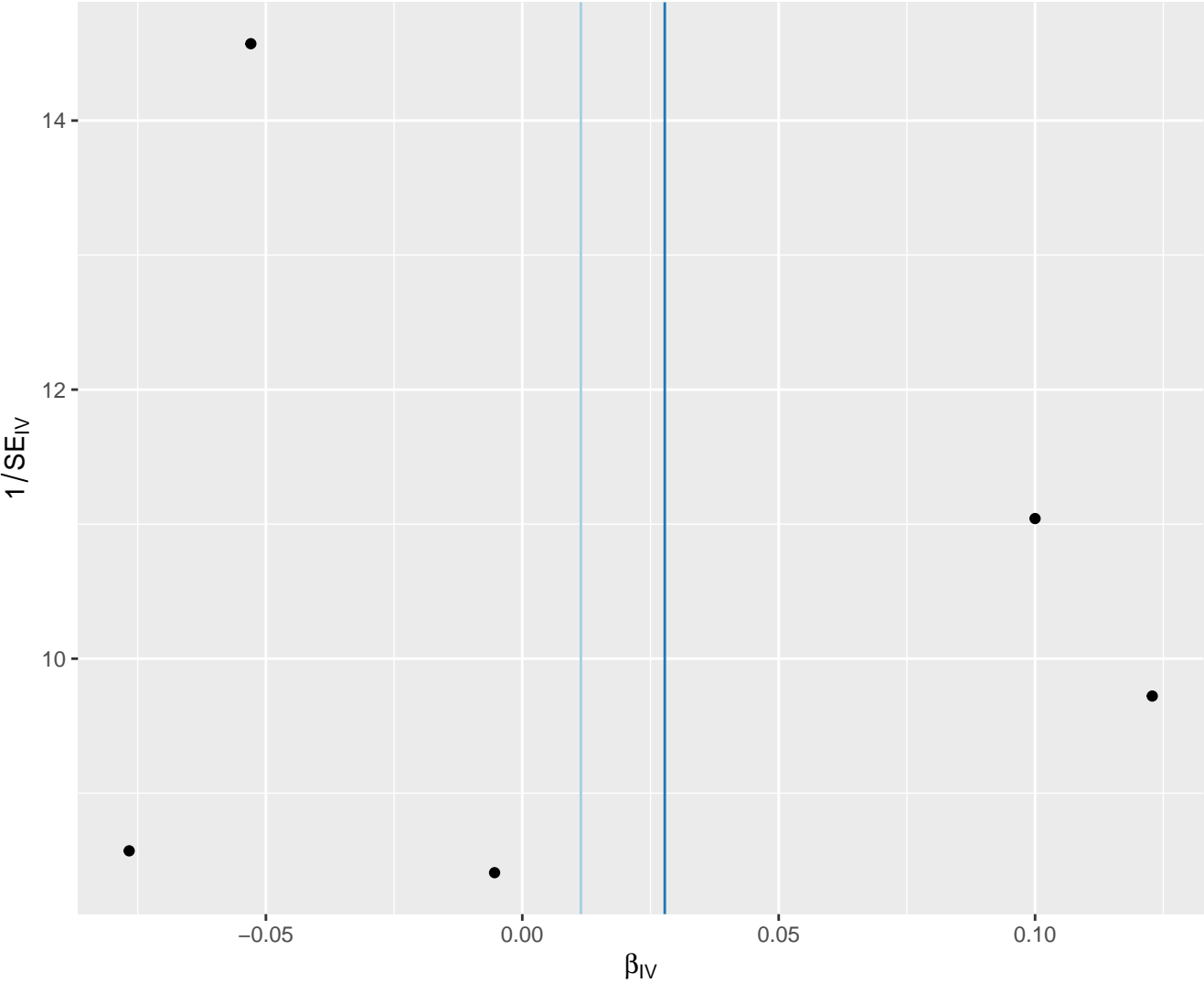
X-04494

MR Method



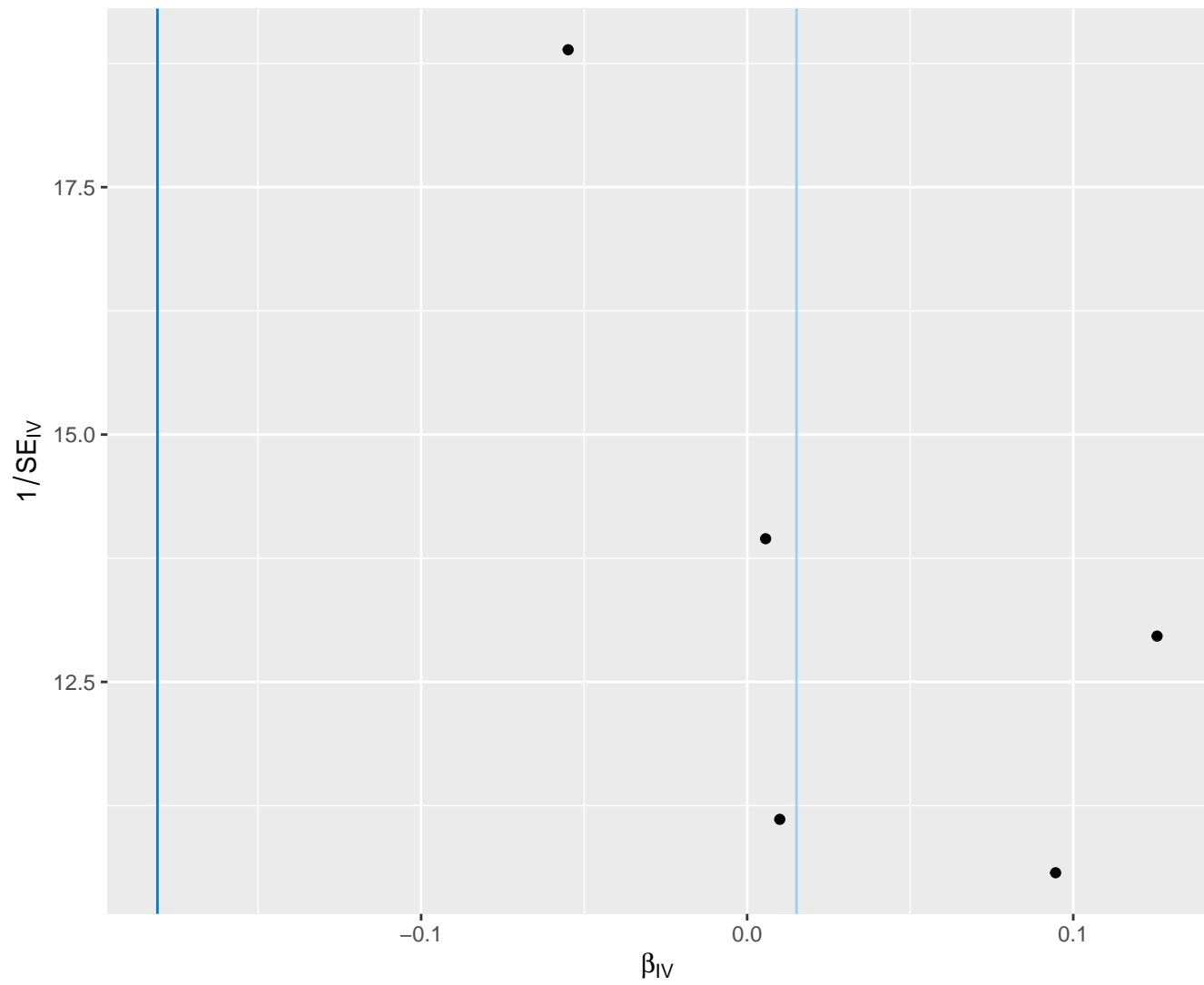
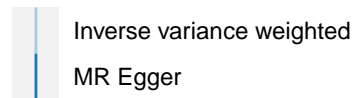
X-04495

MR Method



X-04498

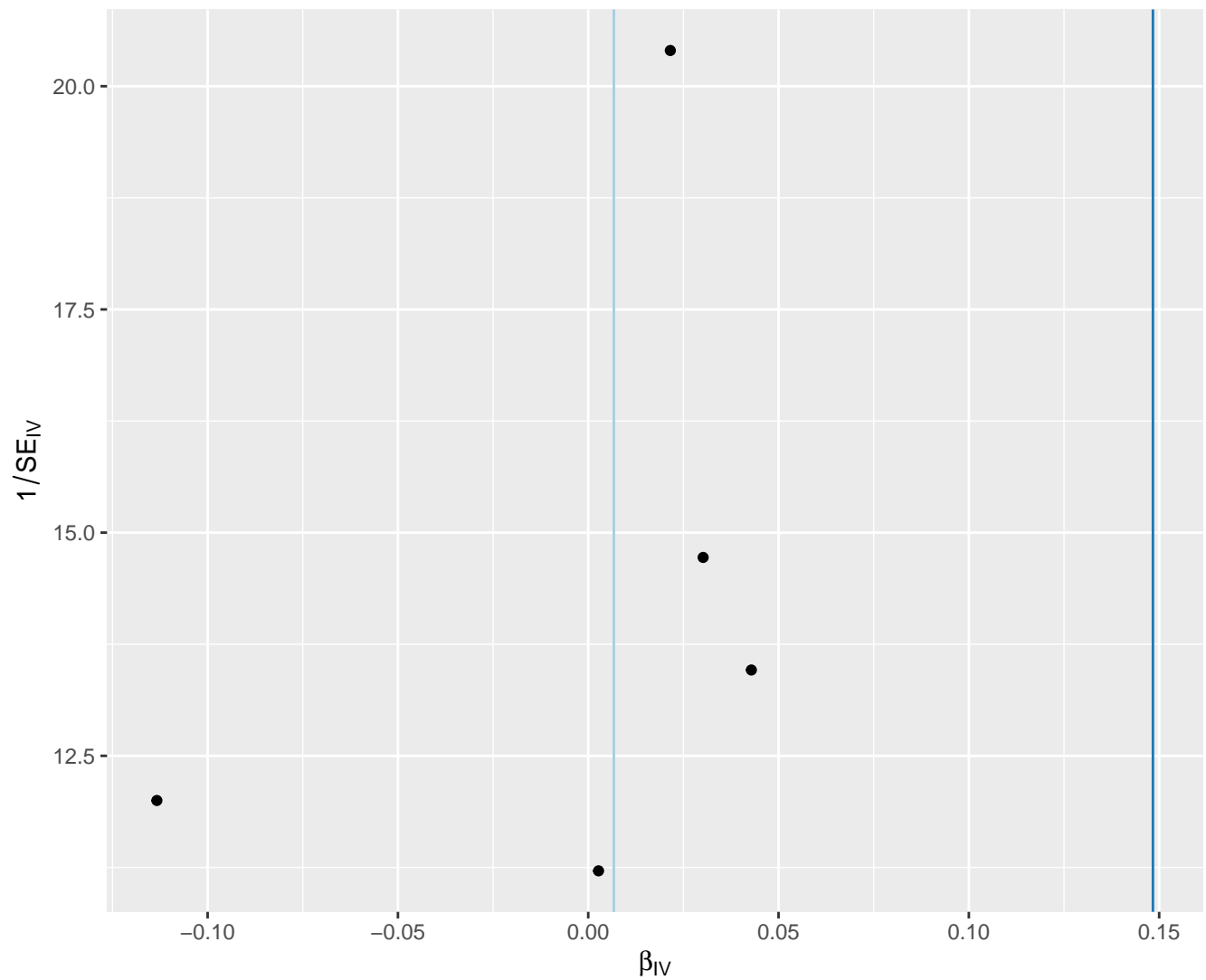
MR Method



# X-04499--3,4-dihydroxybutyrate

MR Method

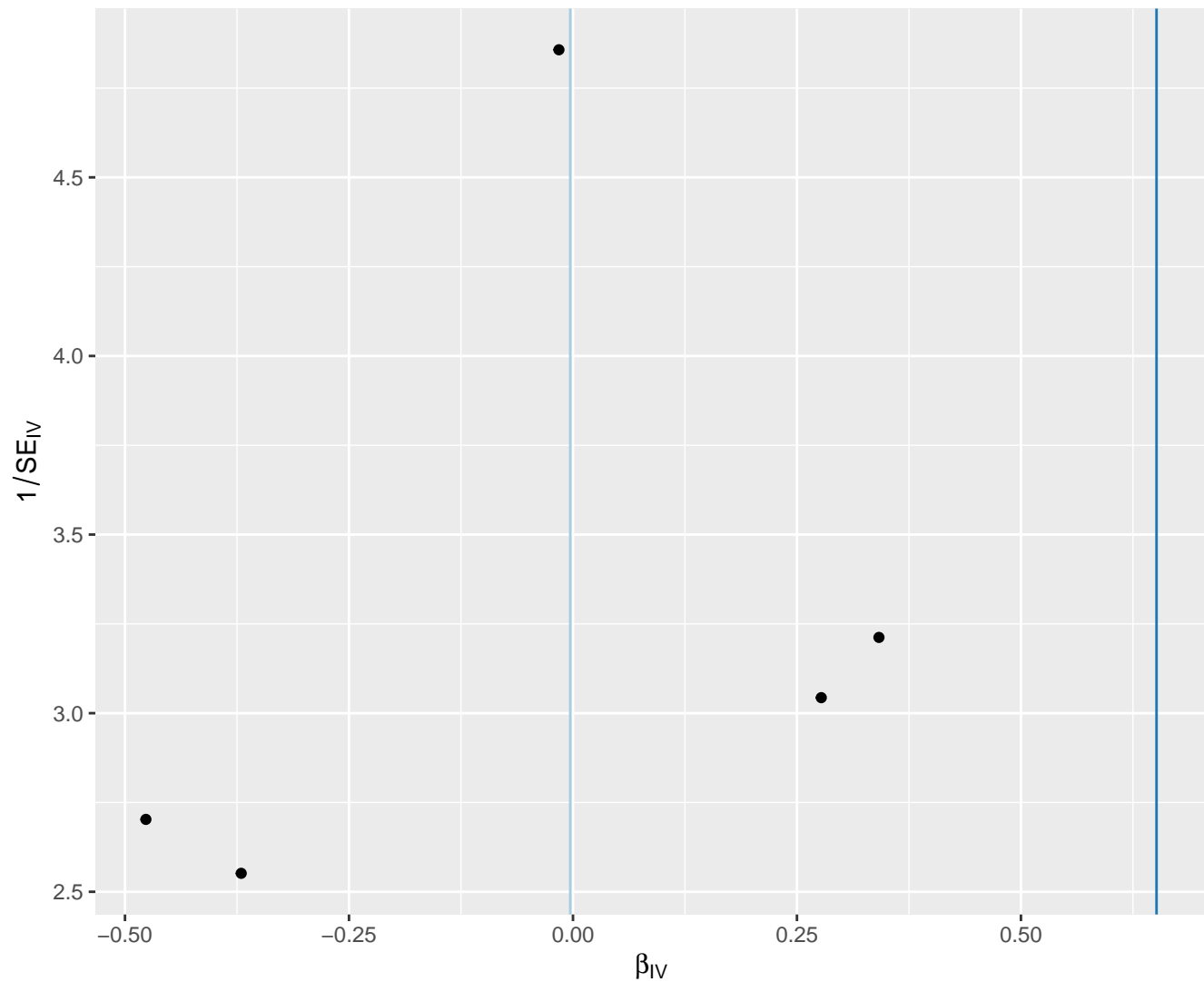
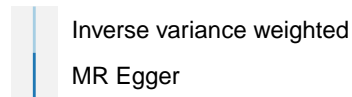
Inverse variance weighted  
MR Egger





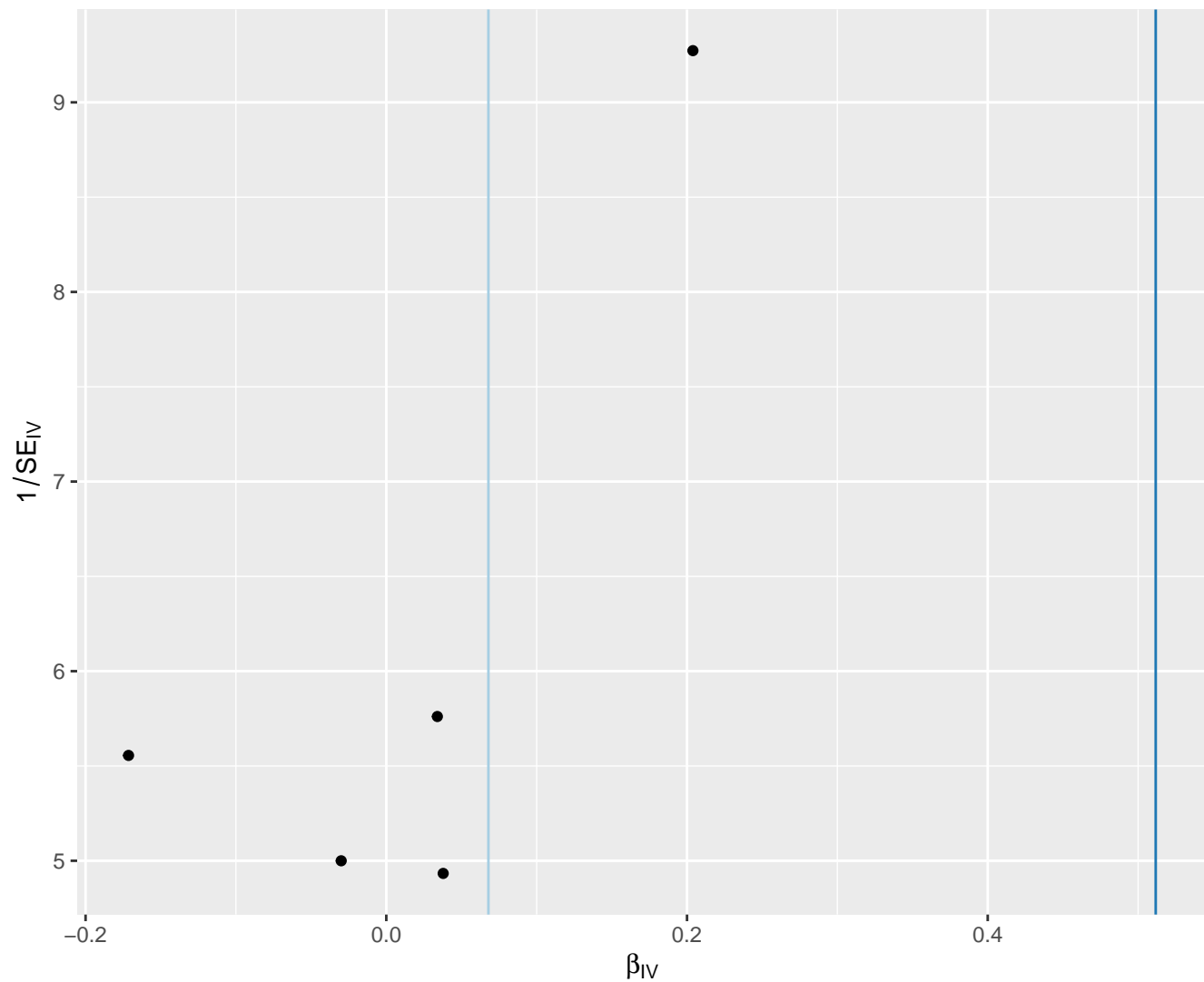
X-04500

MR Method



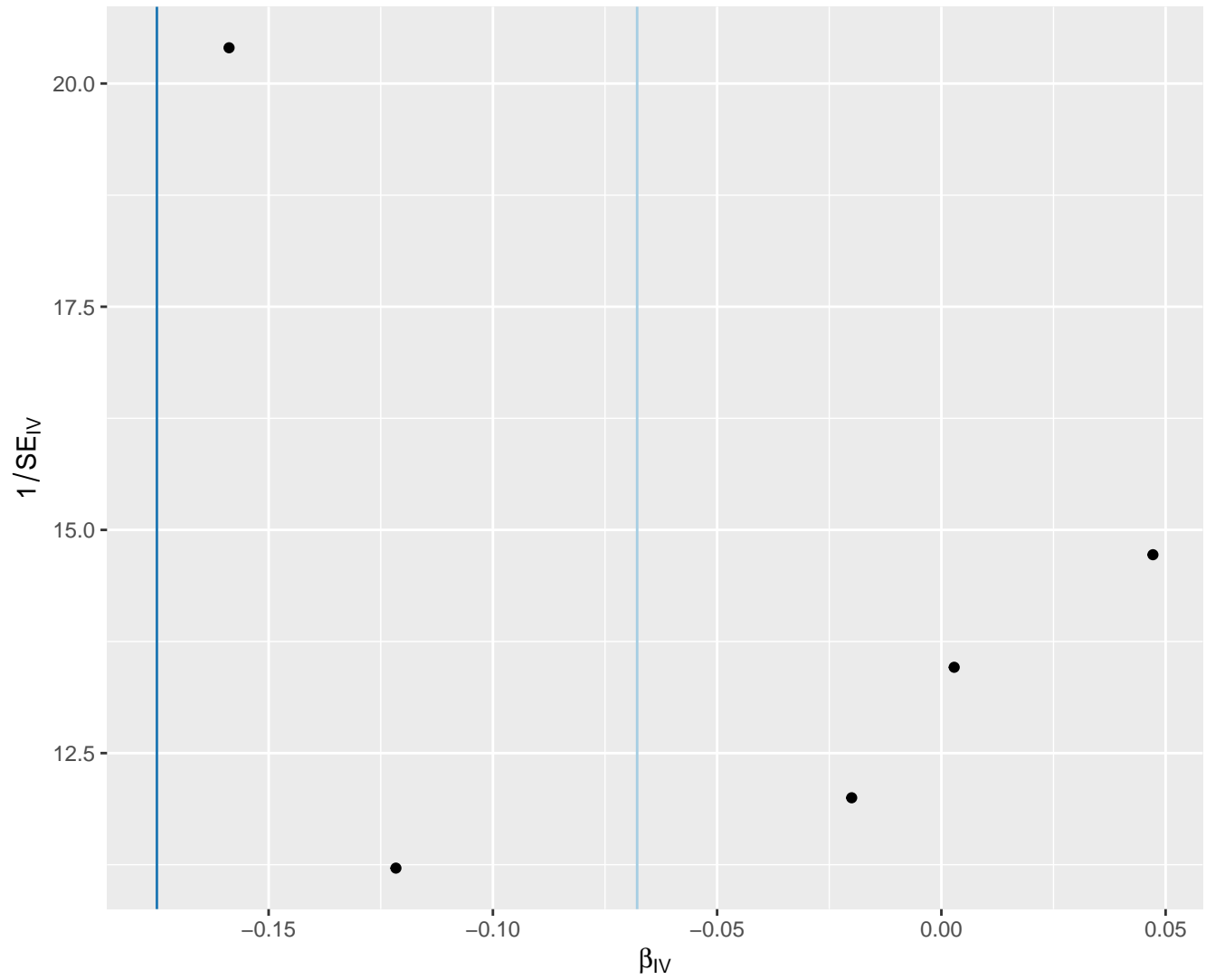
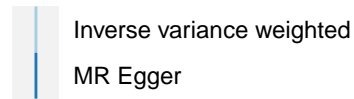
X-05426

MR Method



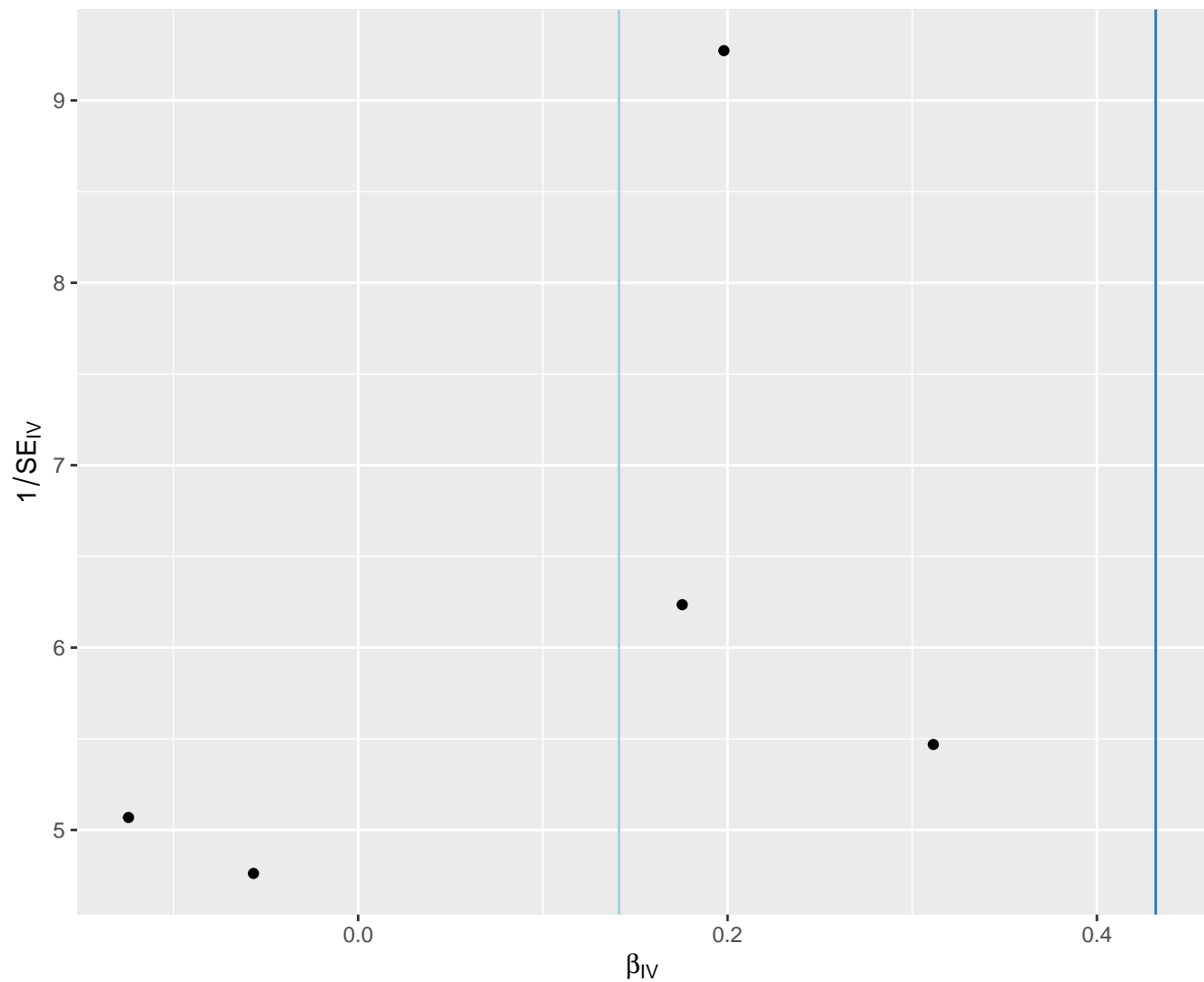
X-05907

MR Method



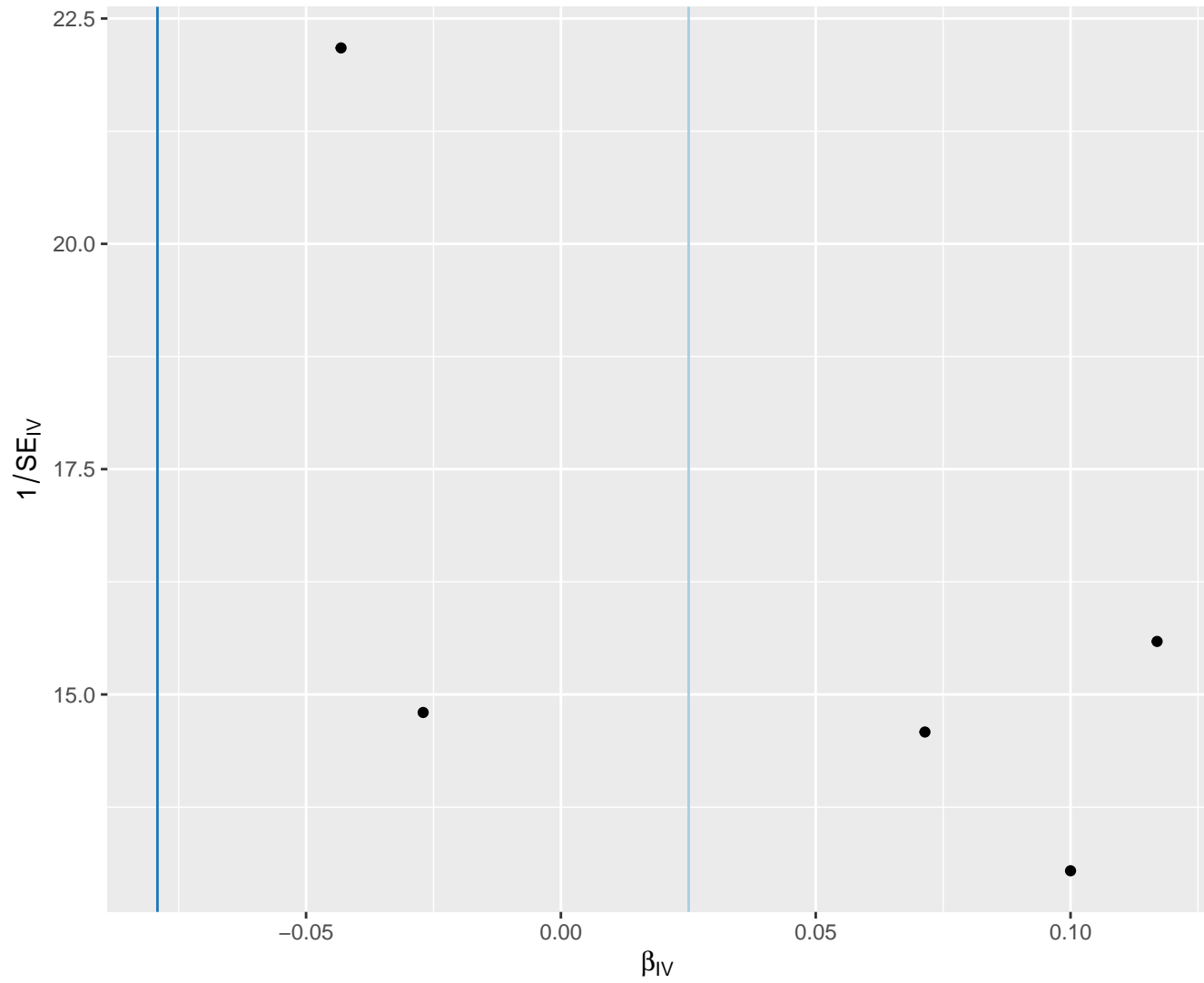
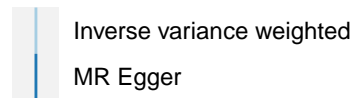
X-06126

MR Method



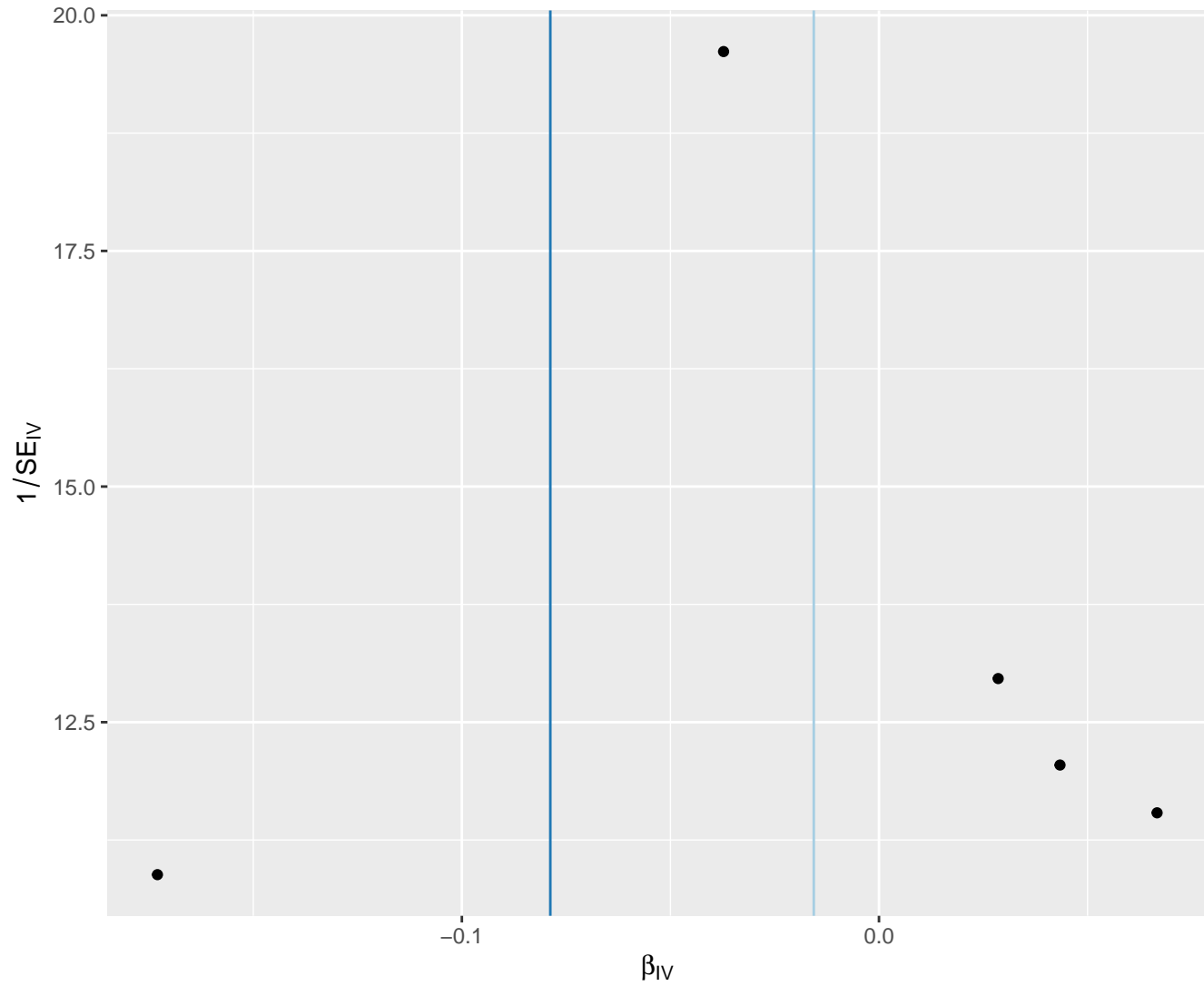
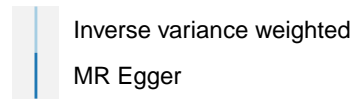
X-06226

MR Method



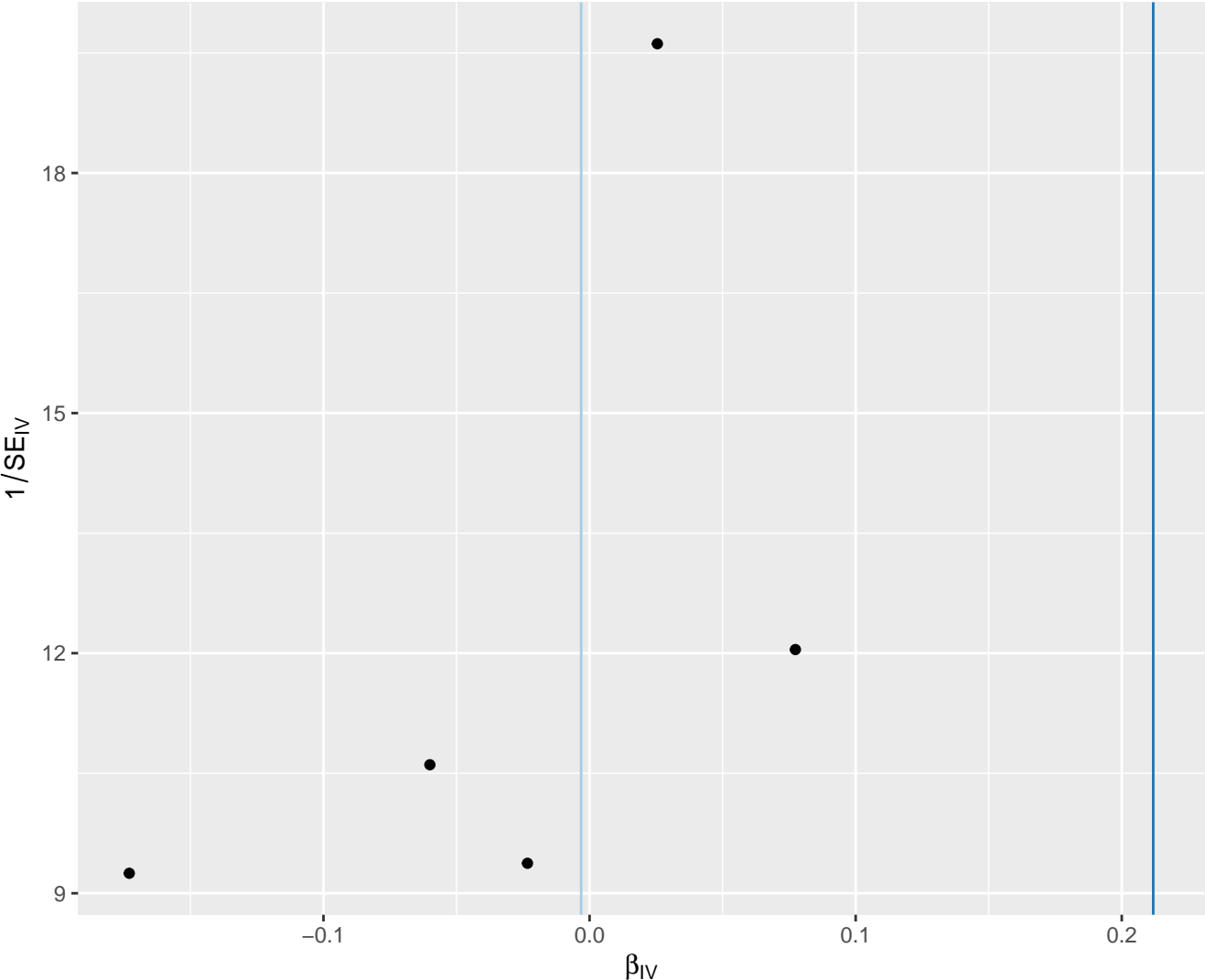
X-06246

MR Method



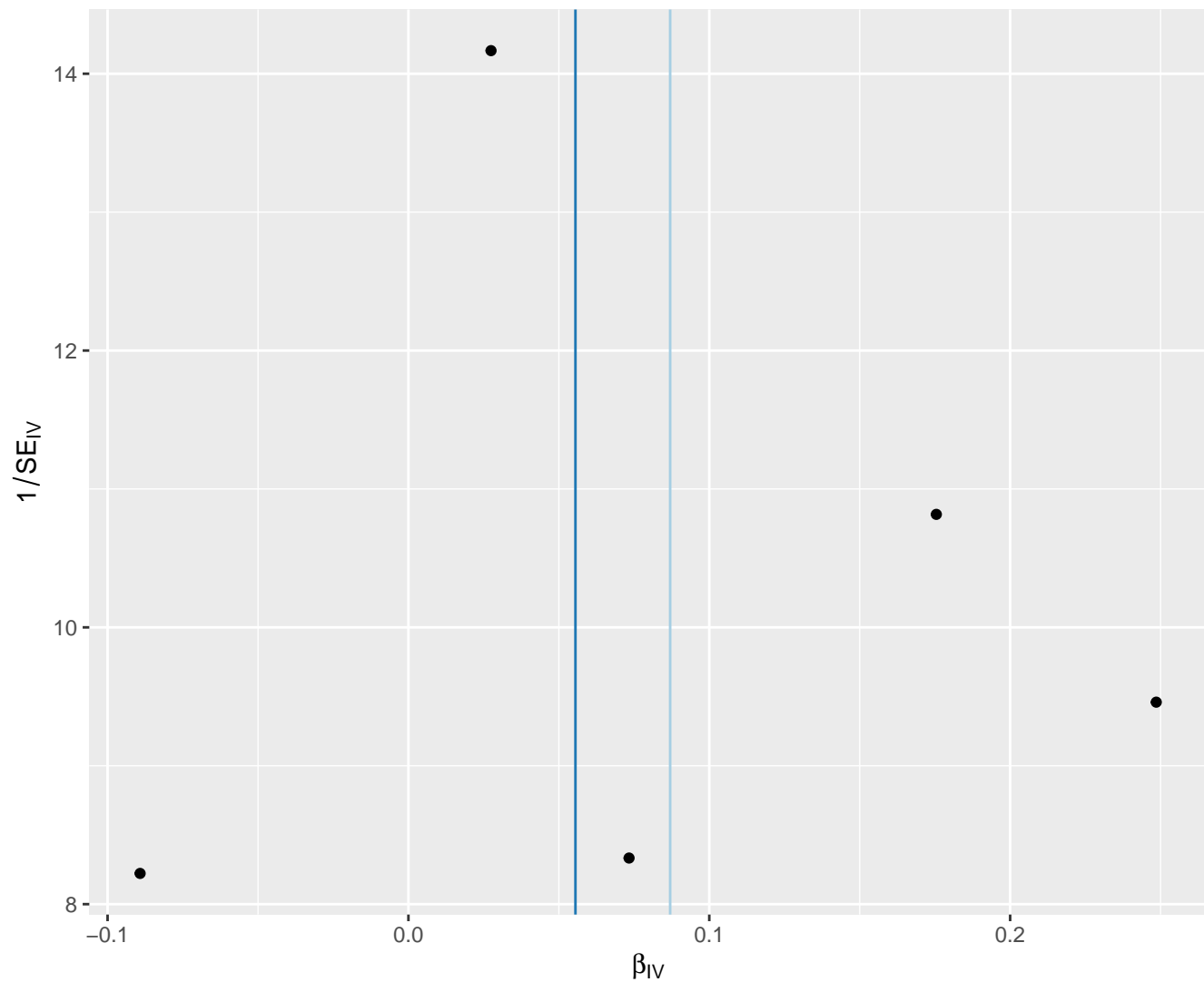
X-06267

MR Method



X-06307

MR Method





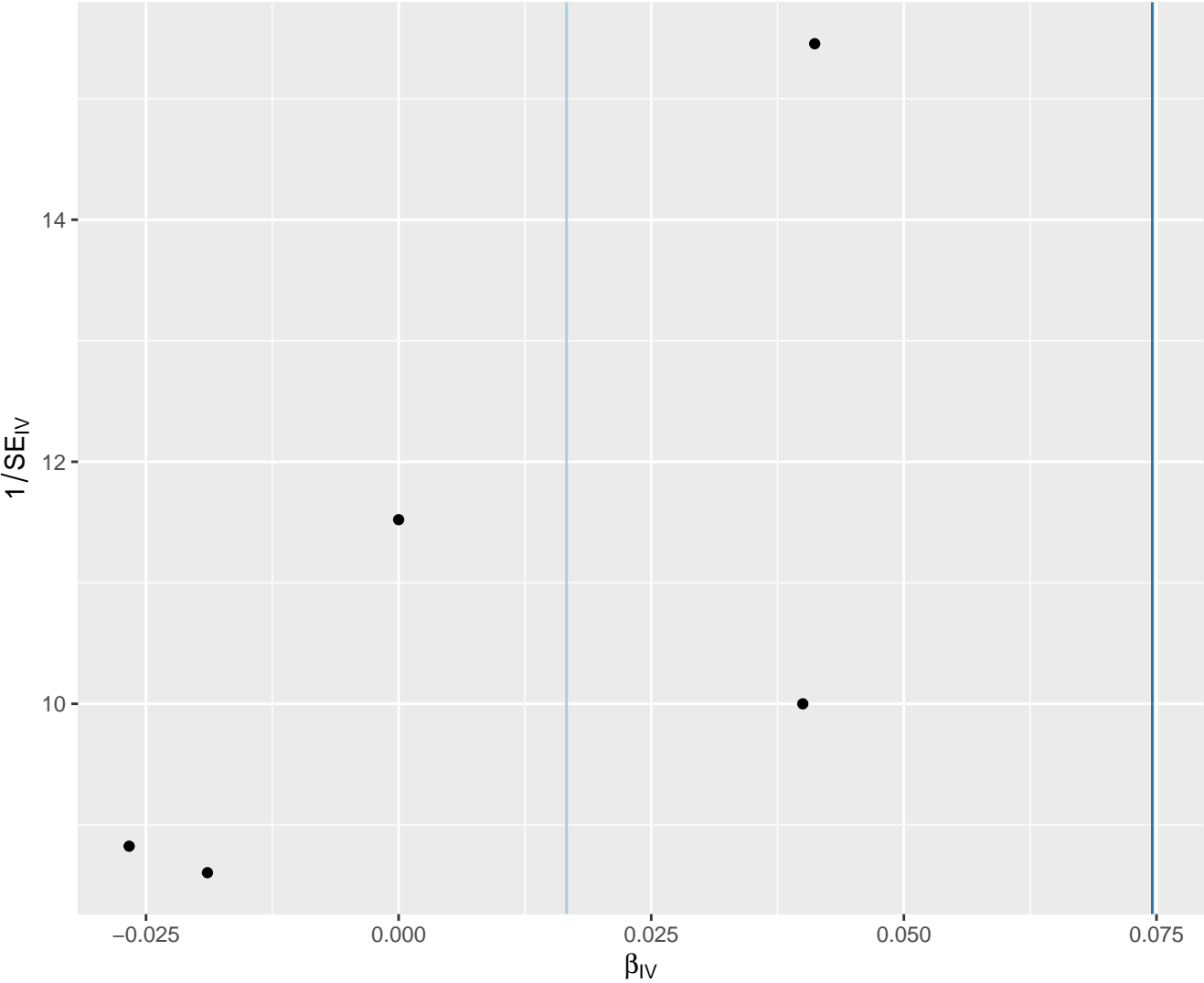
X-06350

MR Method



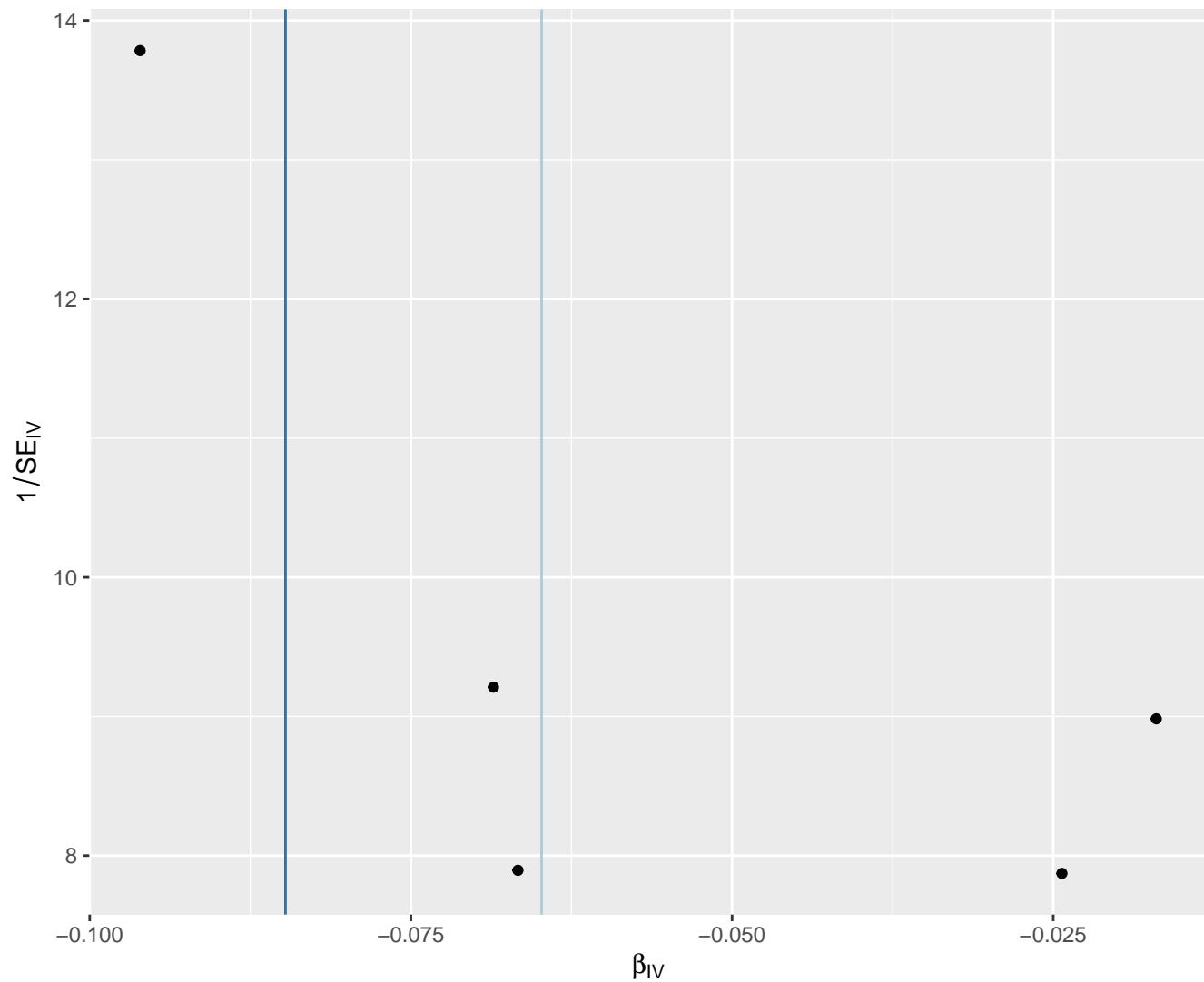
Inverse variance weighted

MR Egger



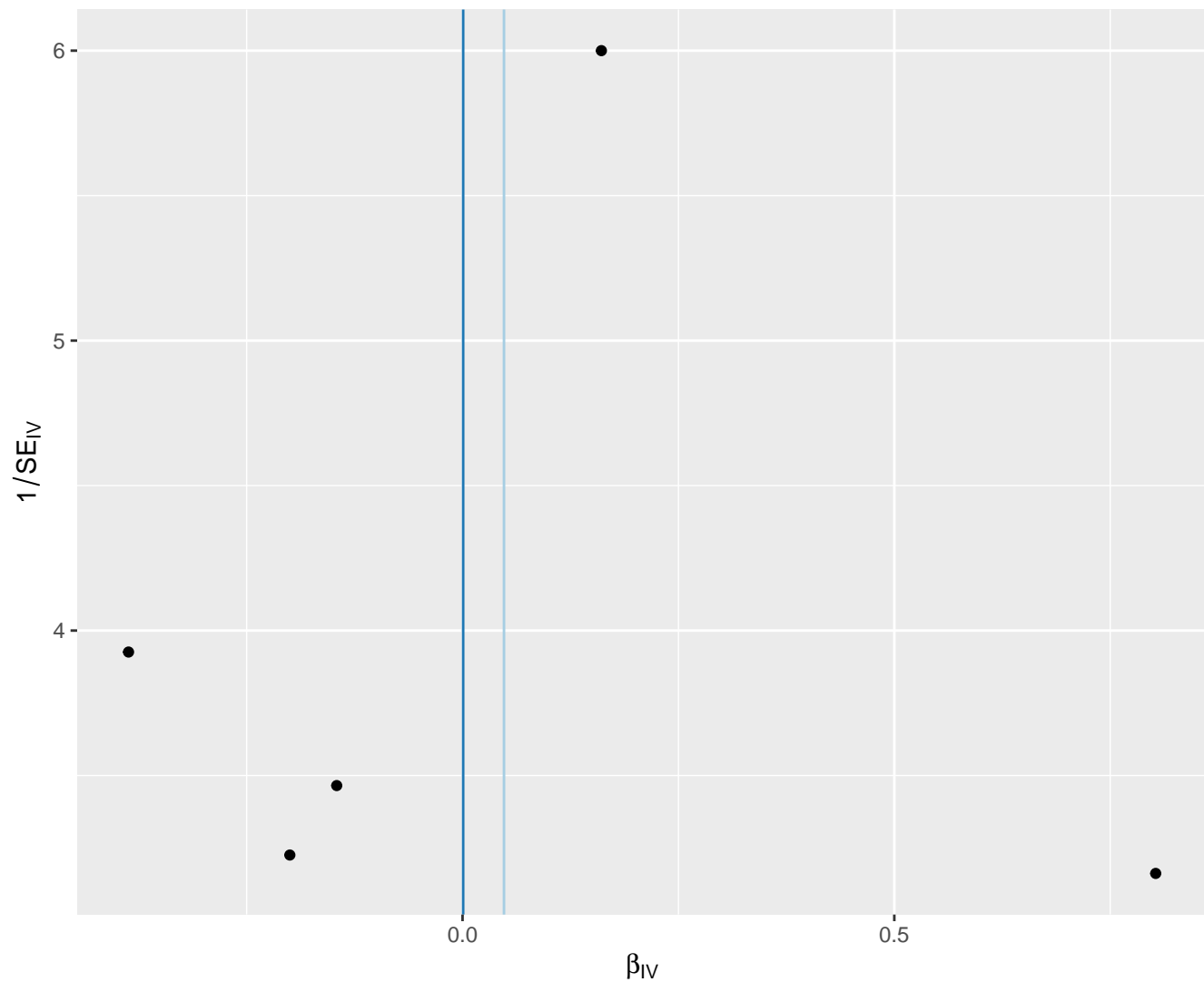
X-06351

MR Method



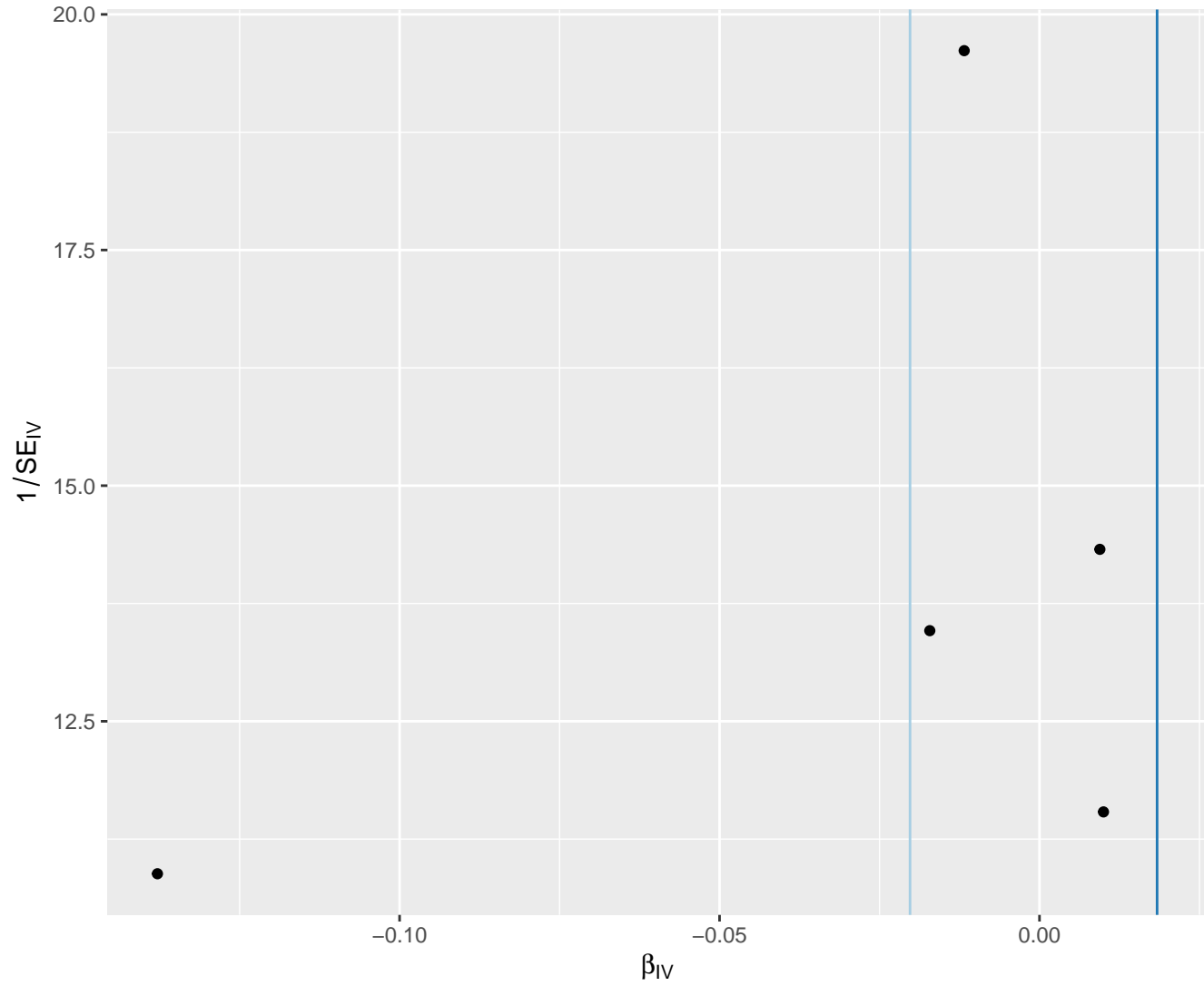
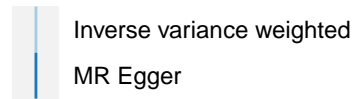
X-07765

MR Method



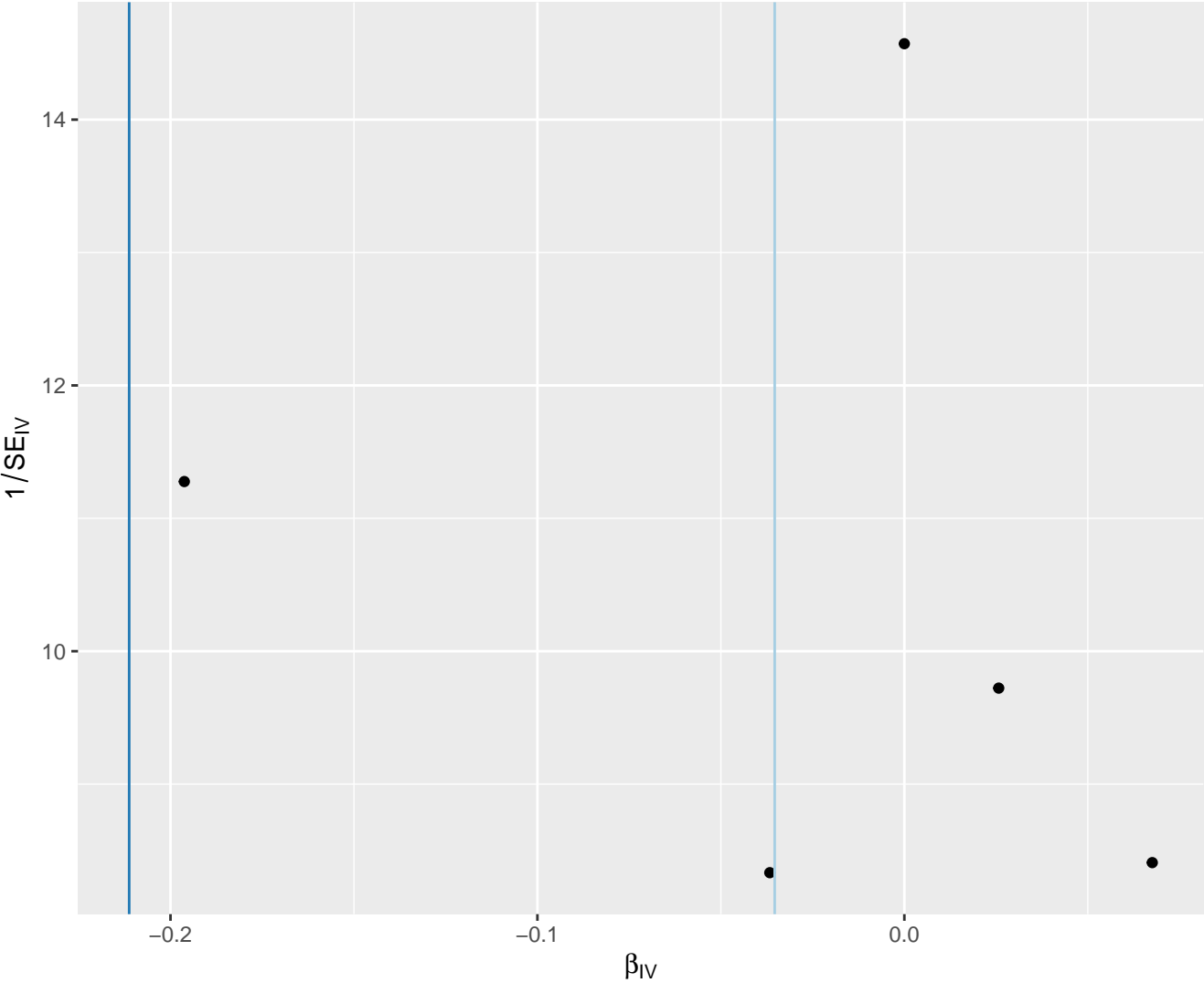
X-08402

MR Method



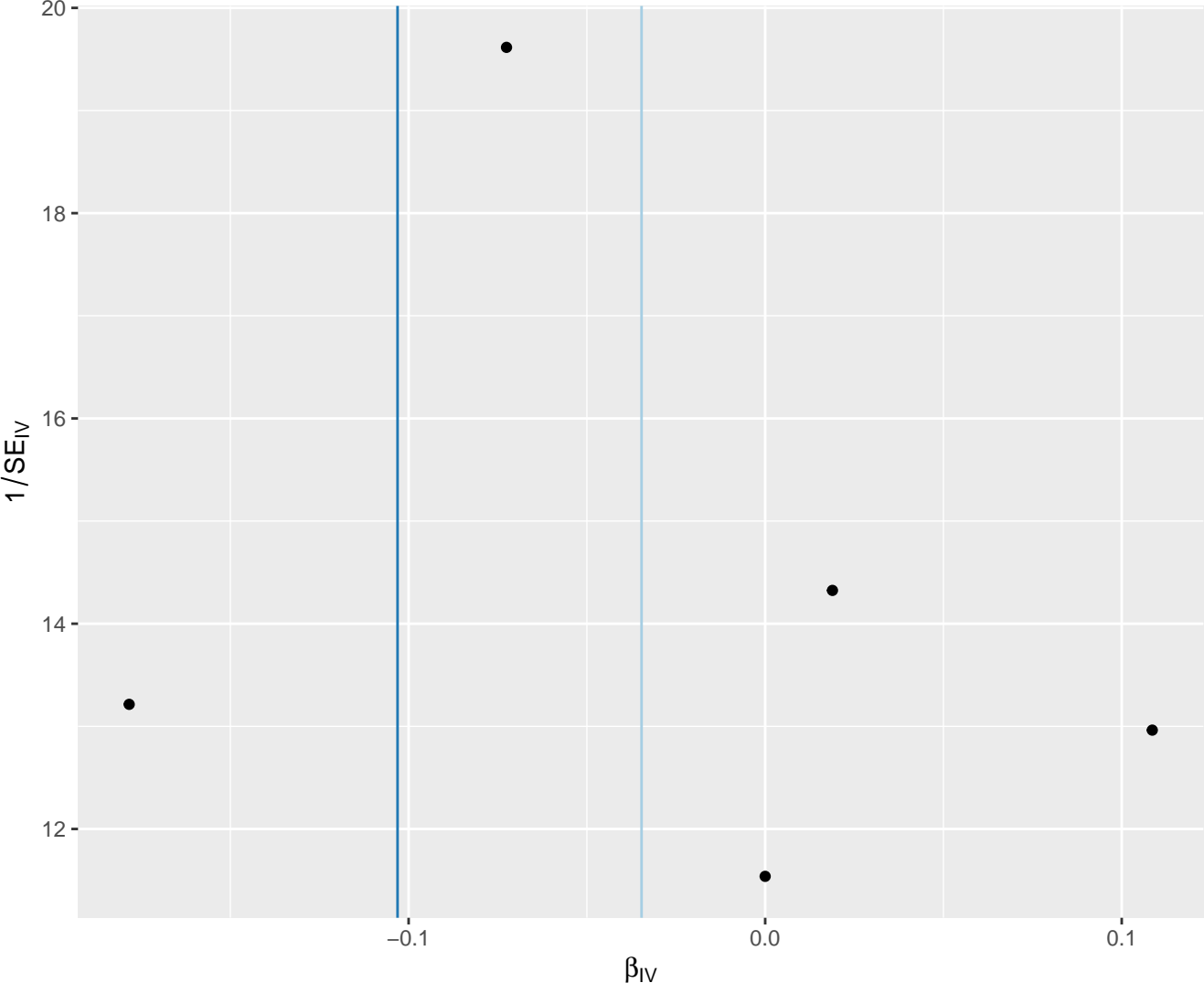
X-08766

MR Method



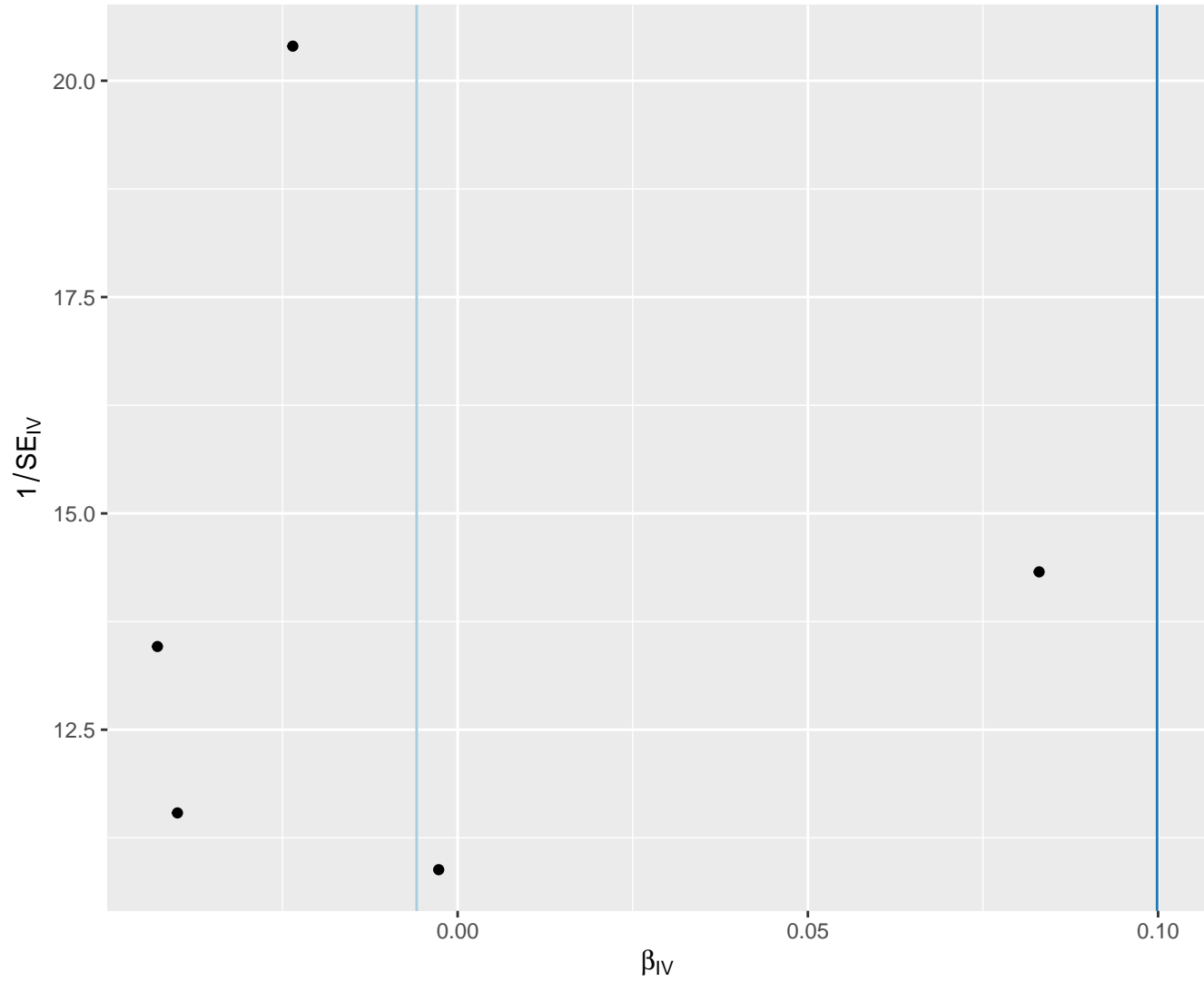
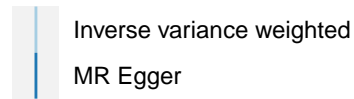
X-08988

MR Method



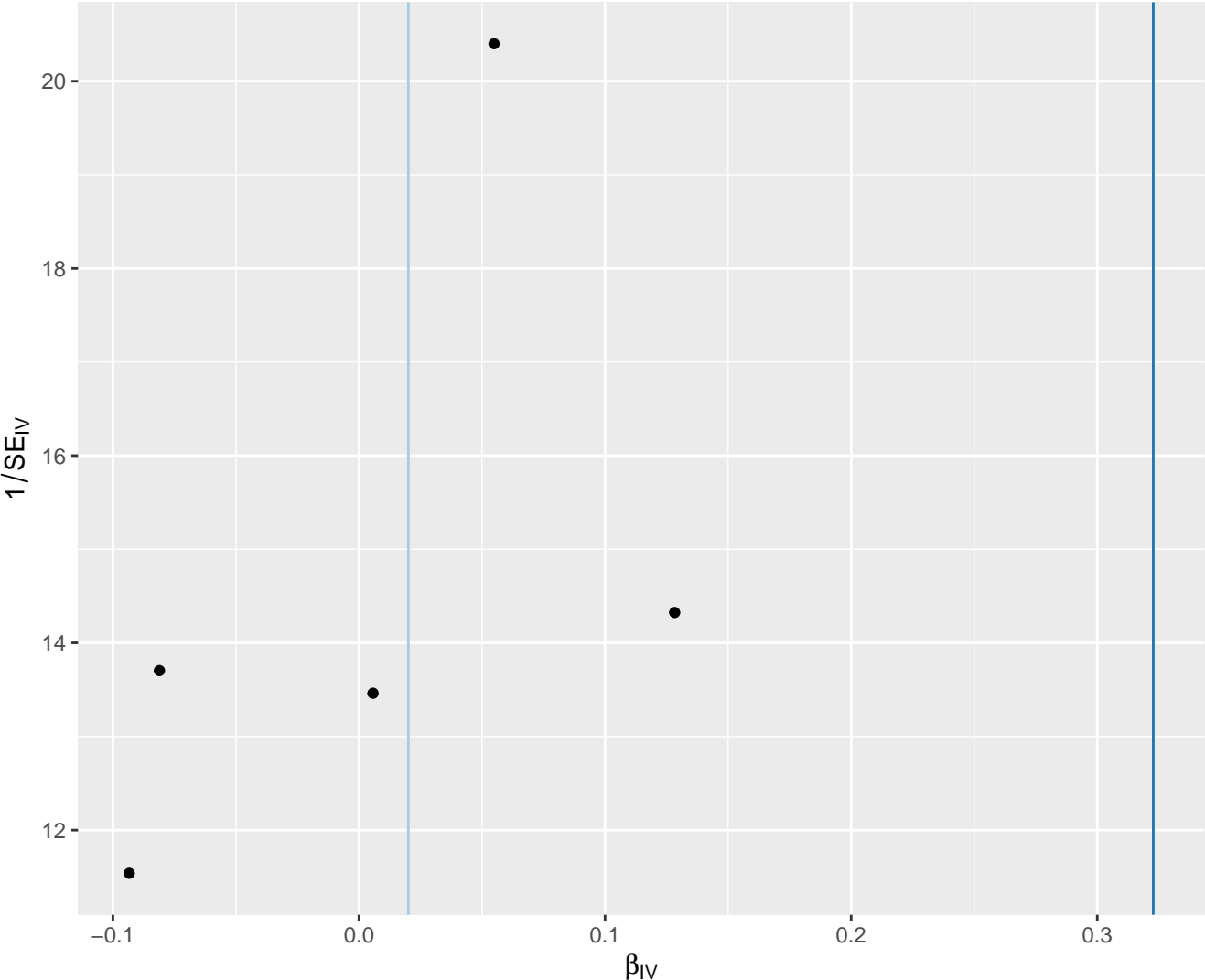
X-09026

MR Method



X-09108

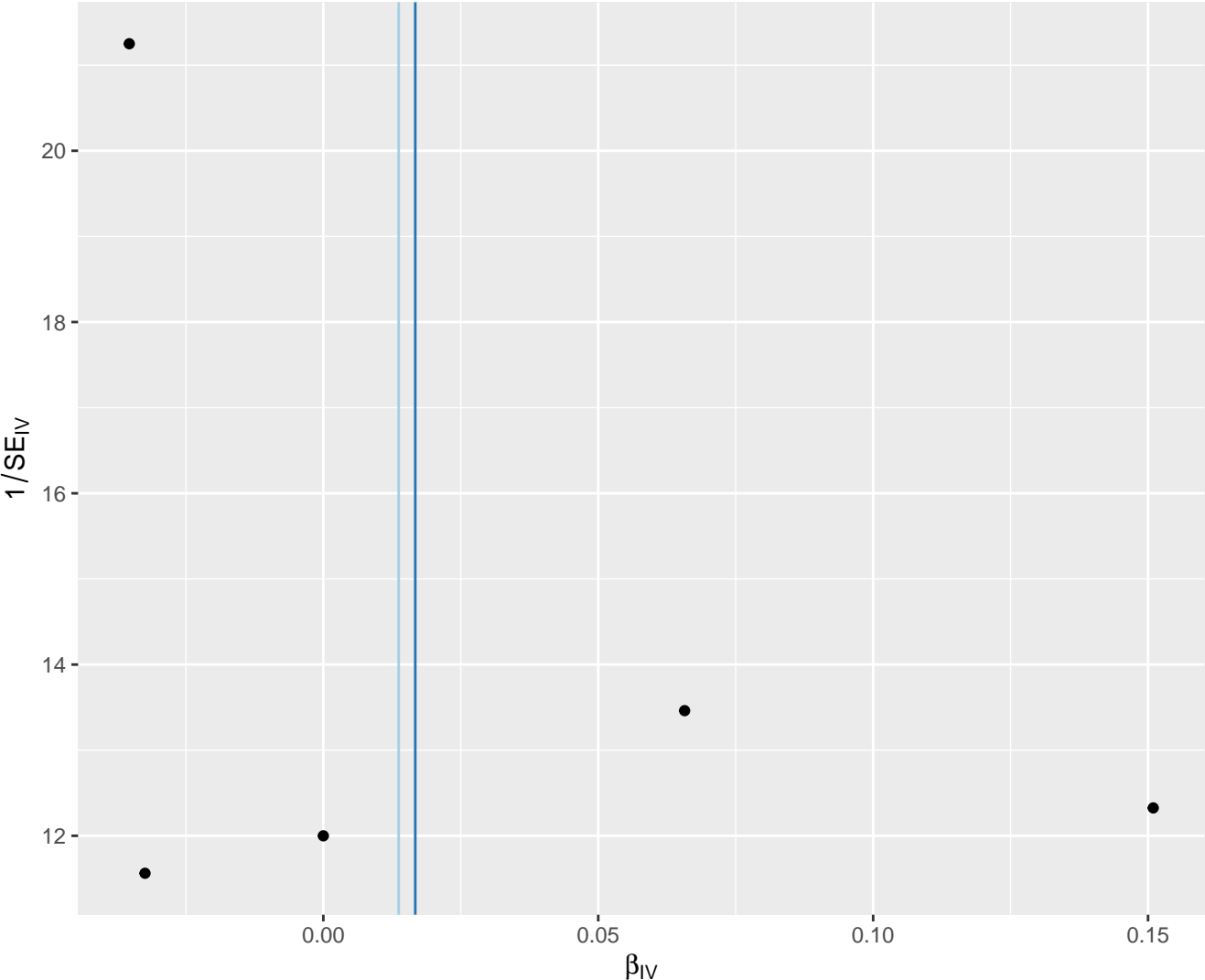
MR Method





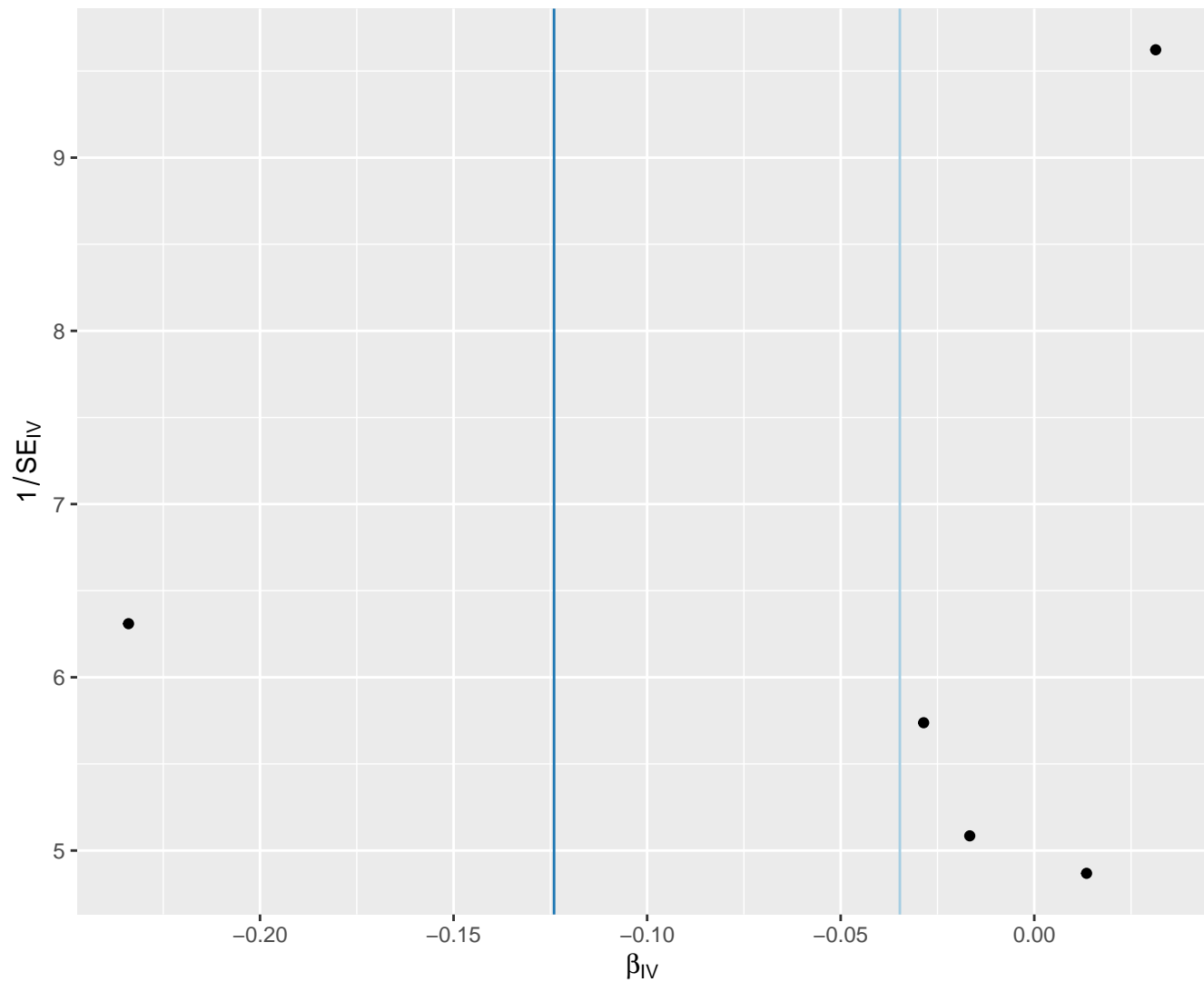
X-09706

MR Method



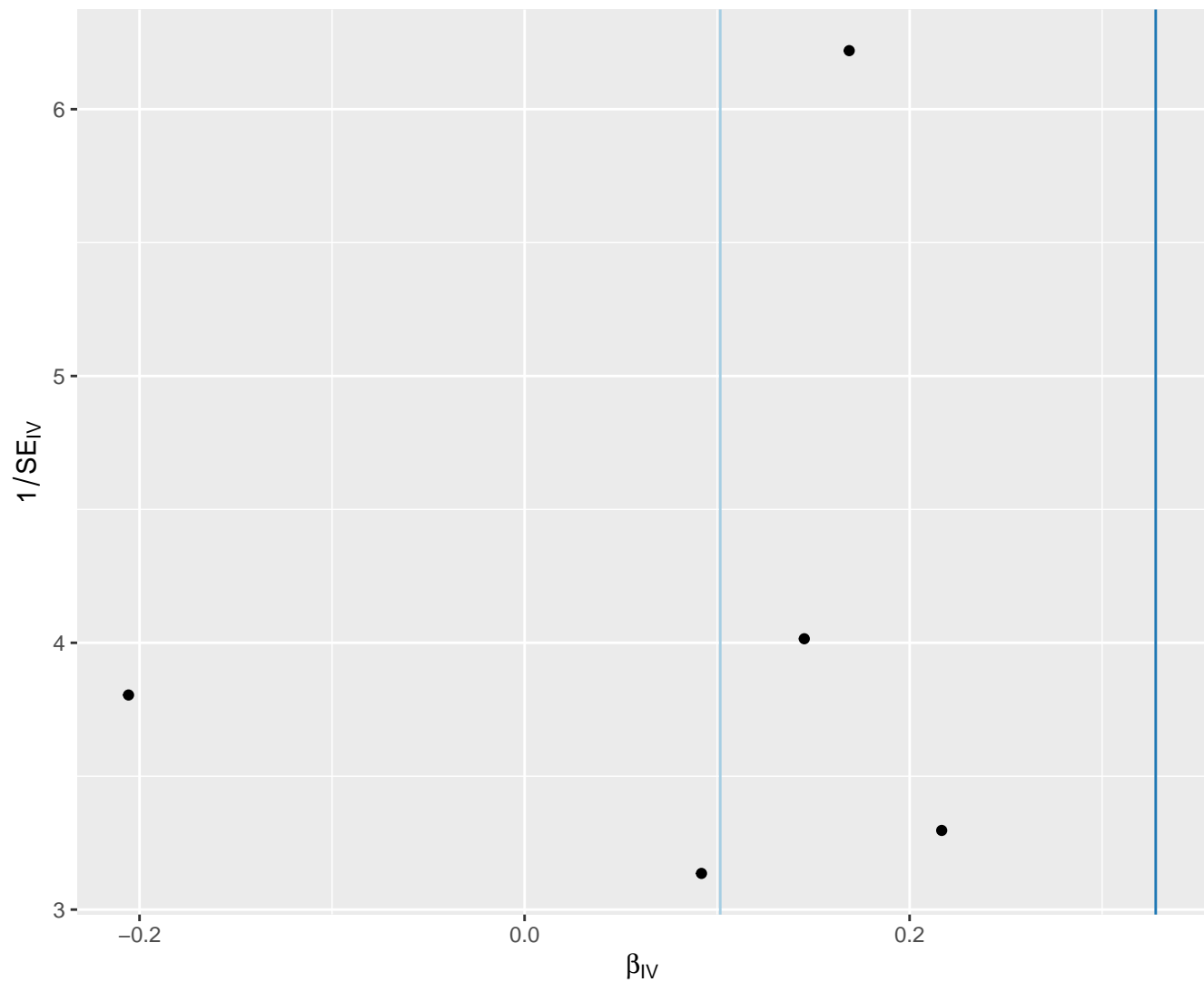
X-09789

MR Method



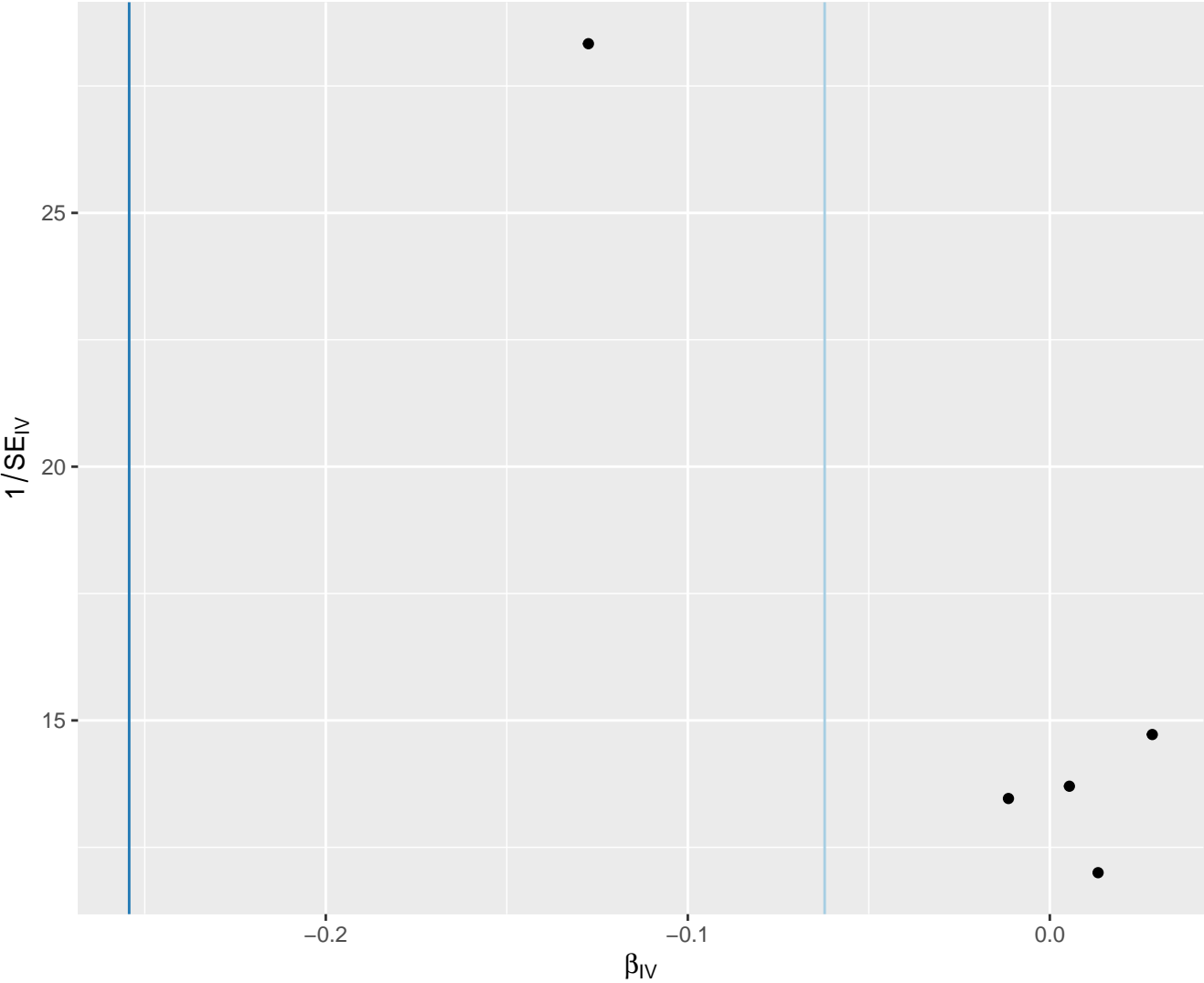
X-10346

MR Method



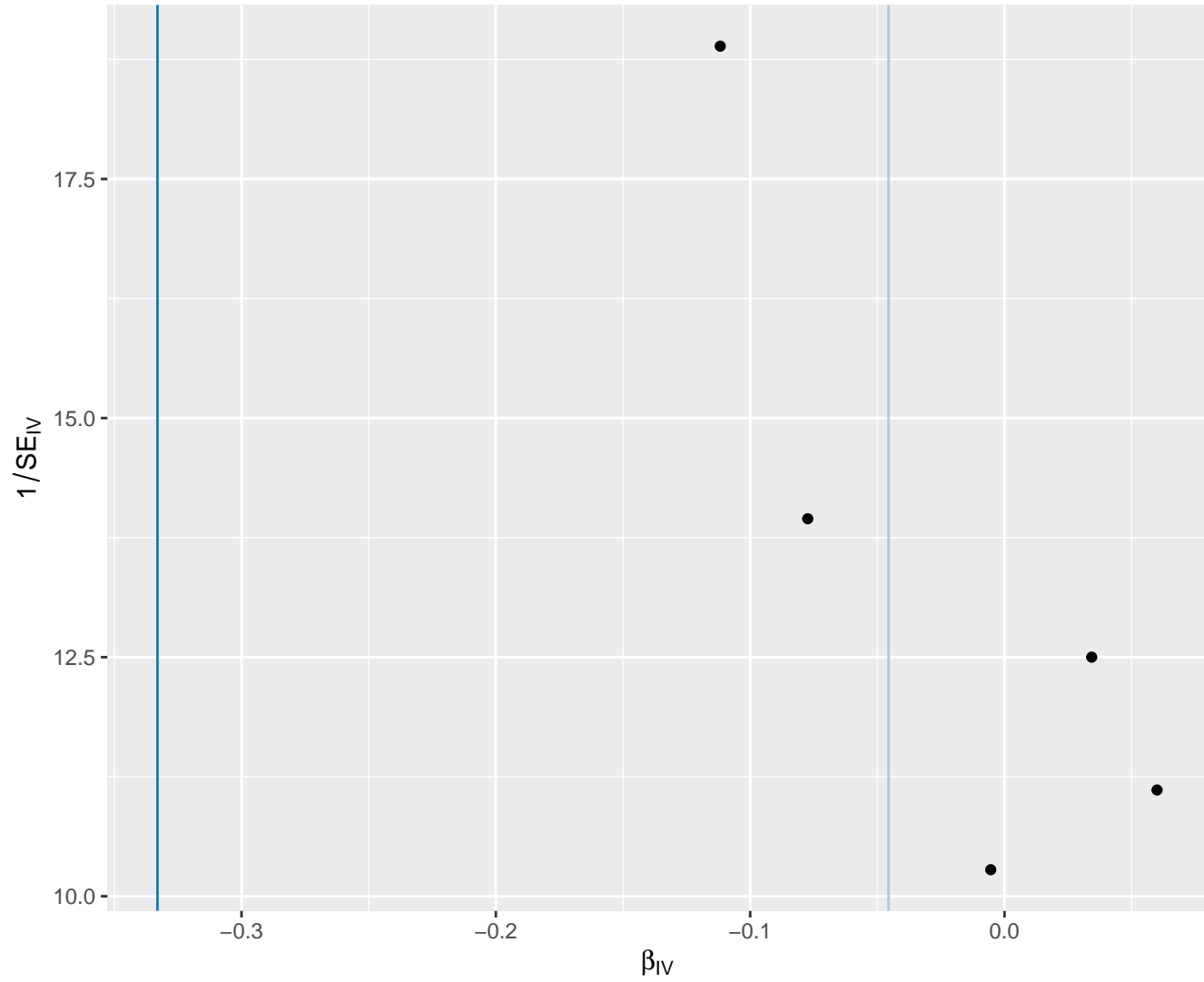
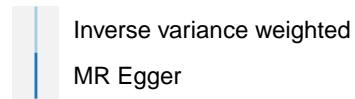
X-10395

MR Method



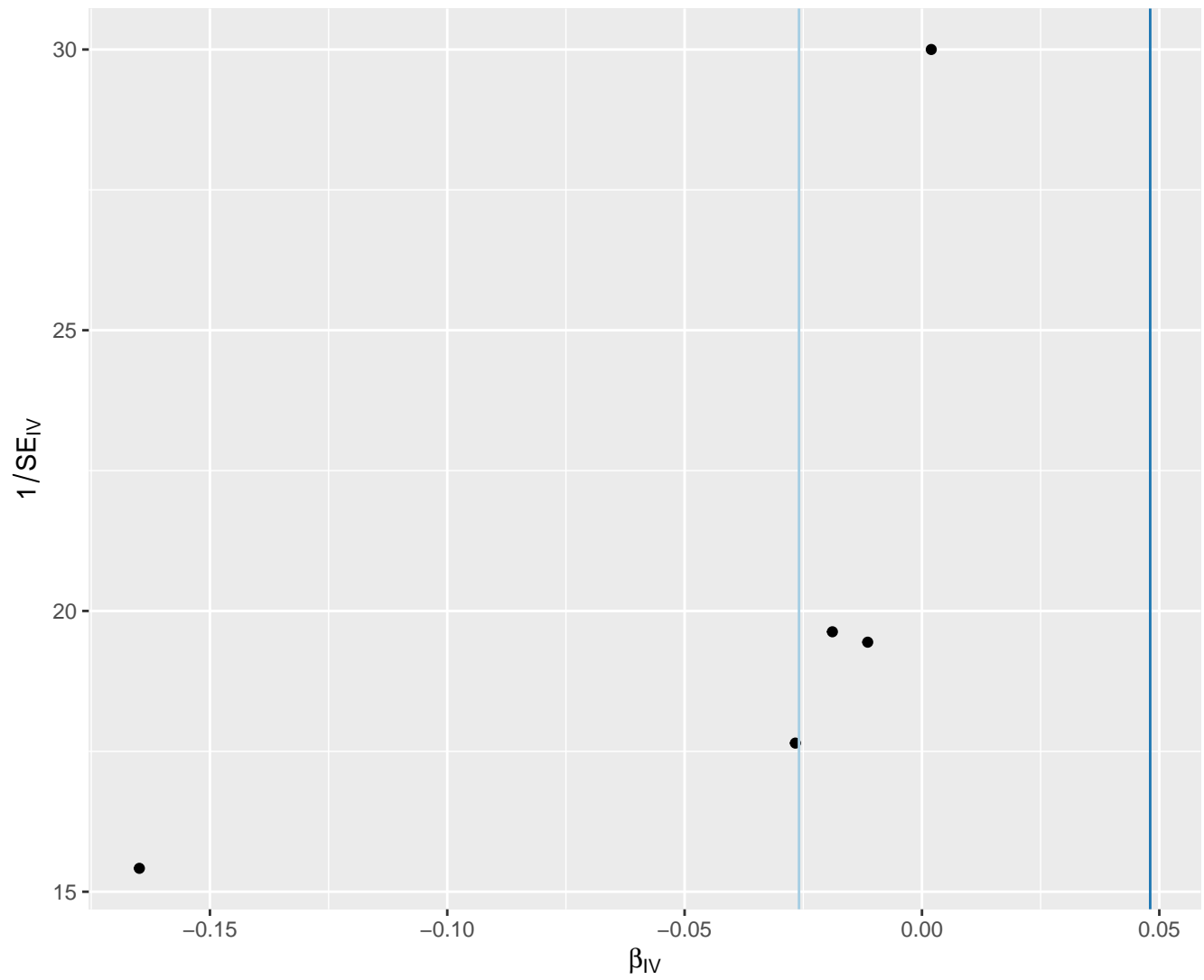
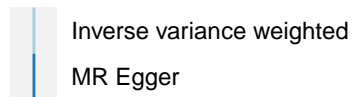
X-10429

MR Method



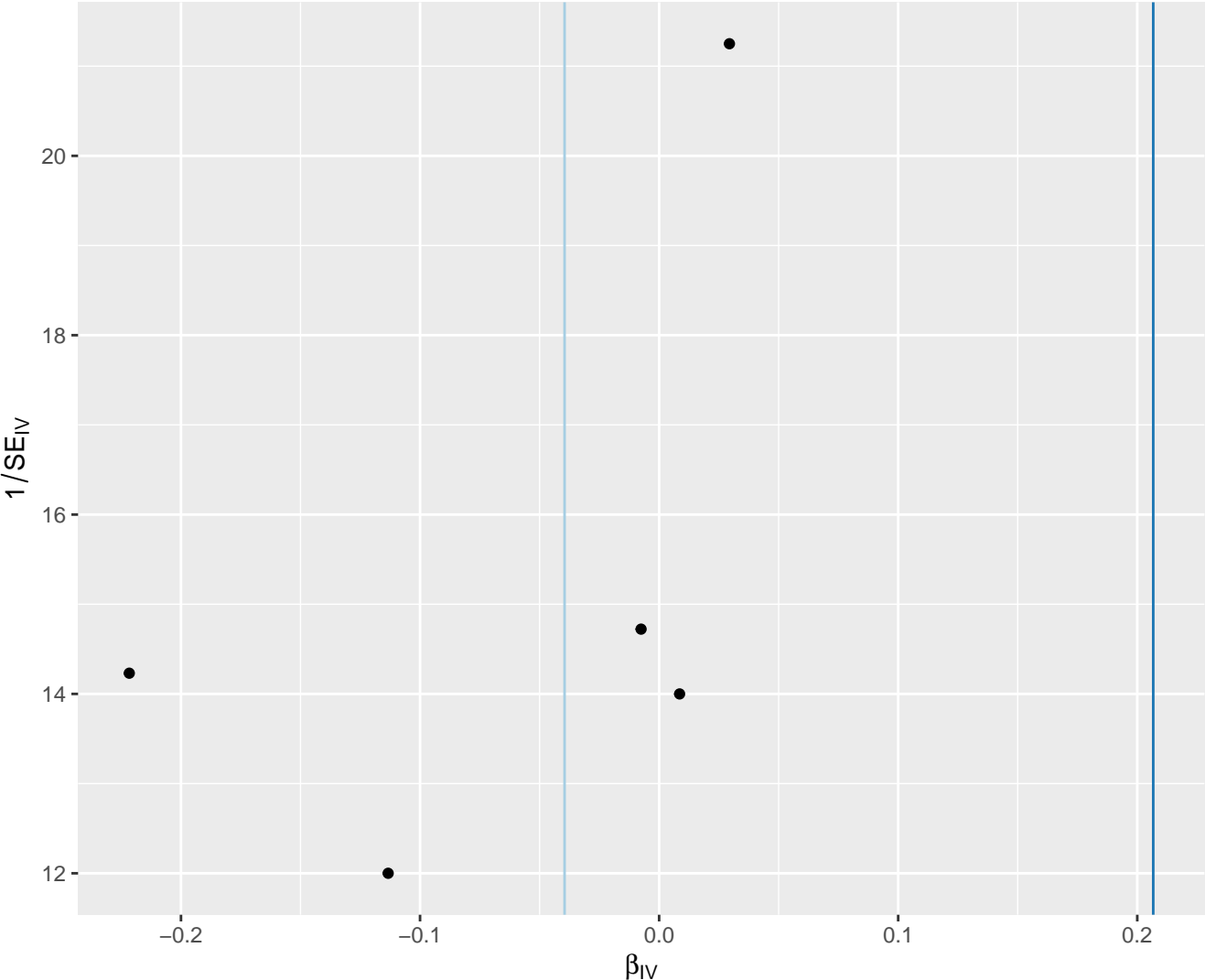
X-10500

MR Method



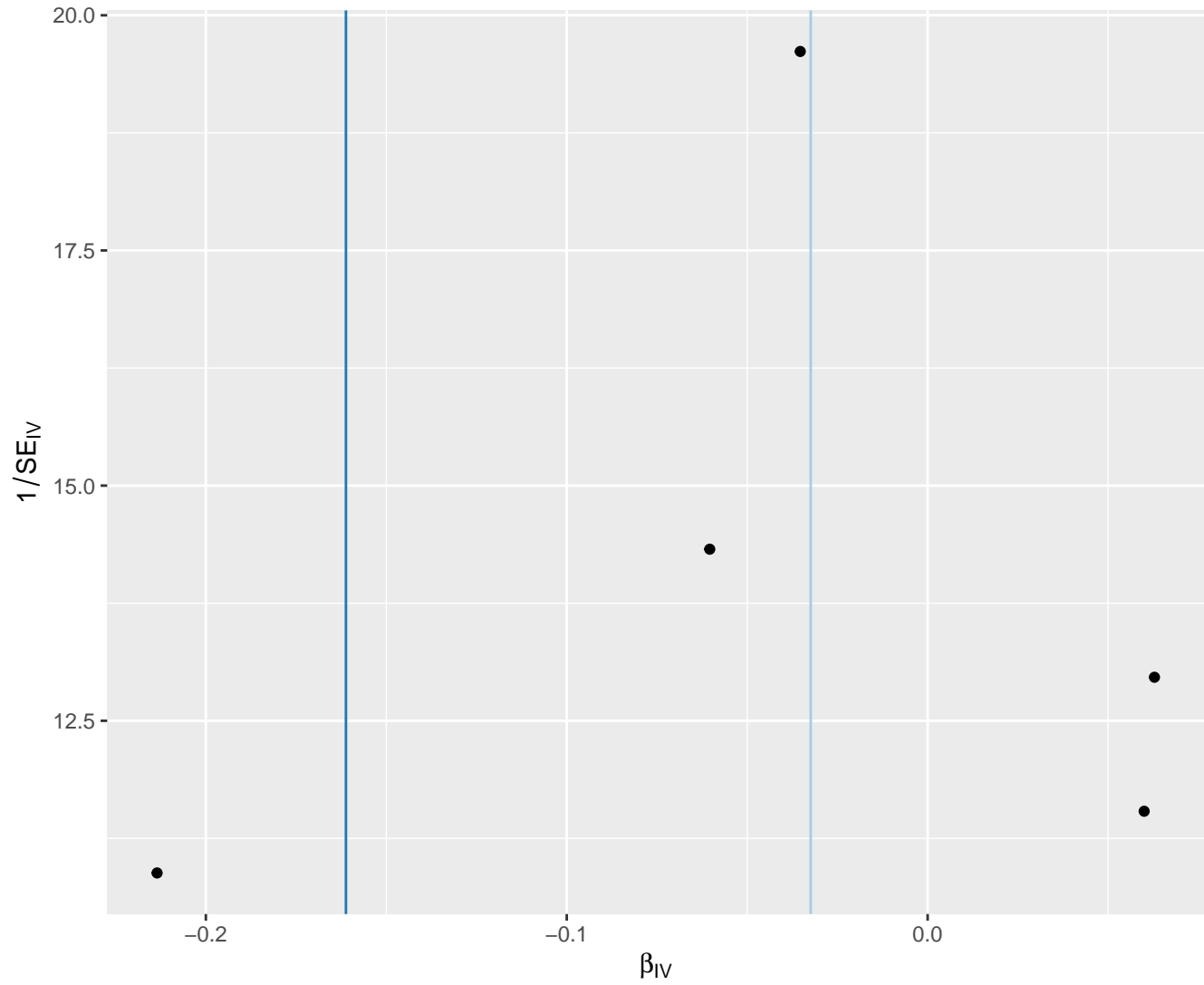
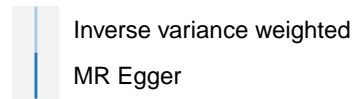
X-10506

MR Method



X-10510

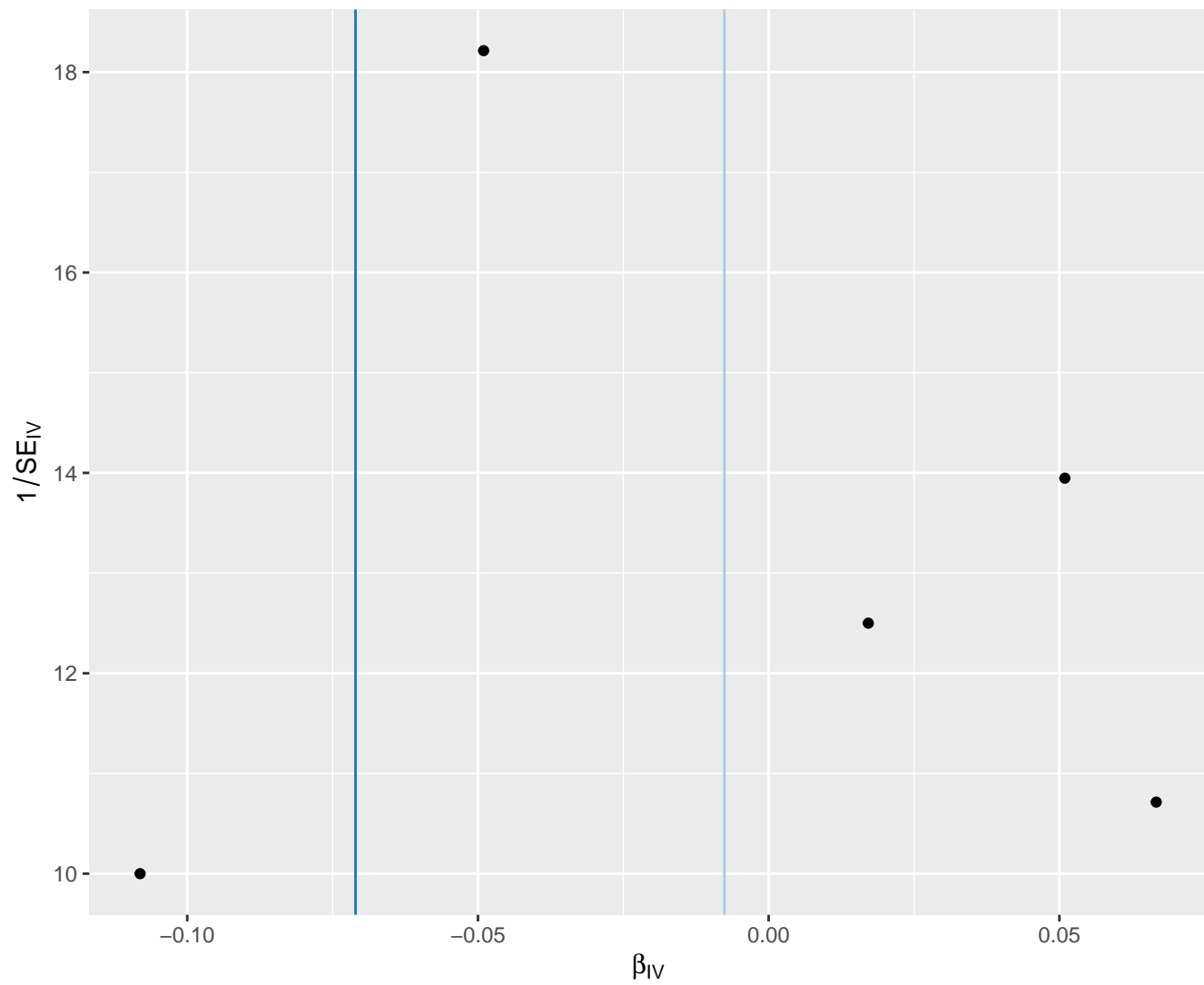
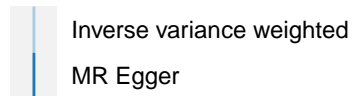
MR Method





X-10810

MR Method



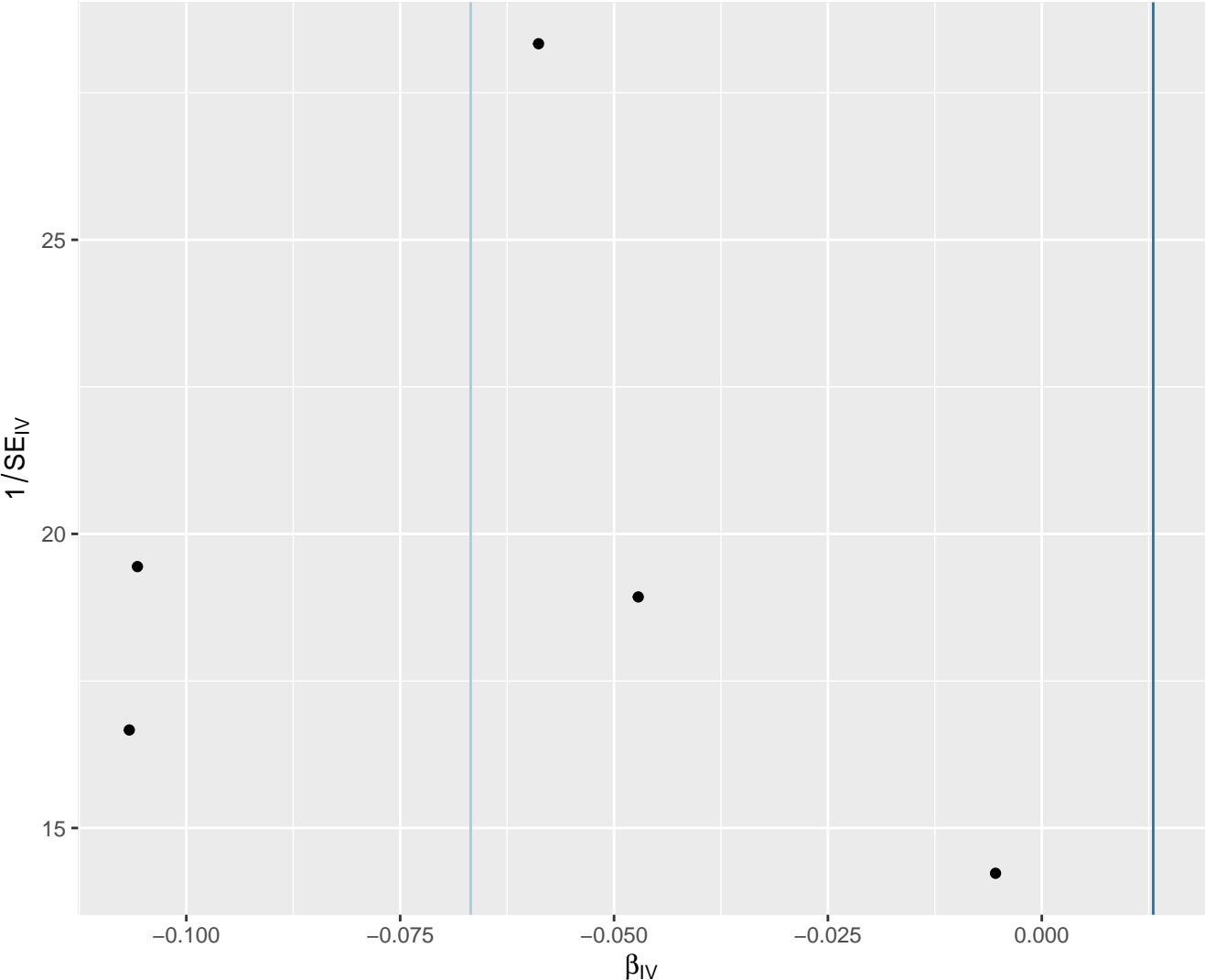
X-11204

MR Method



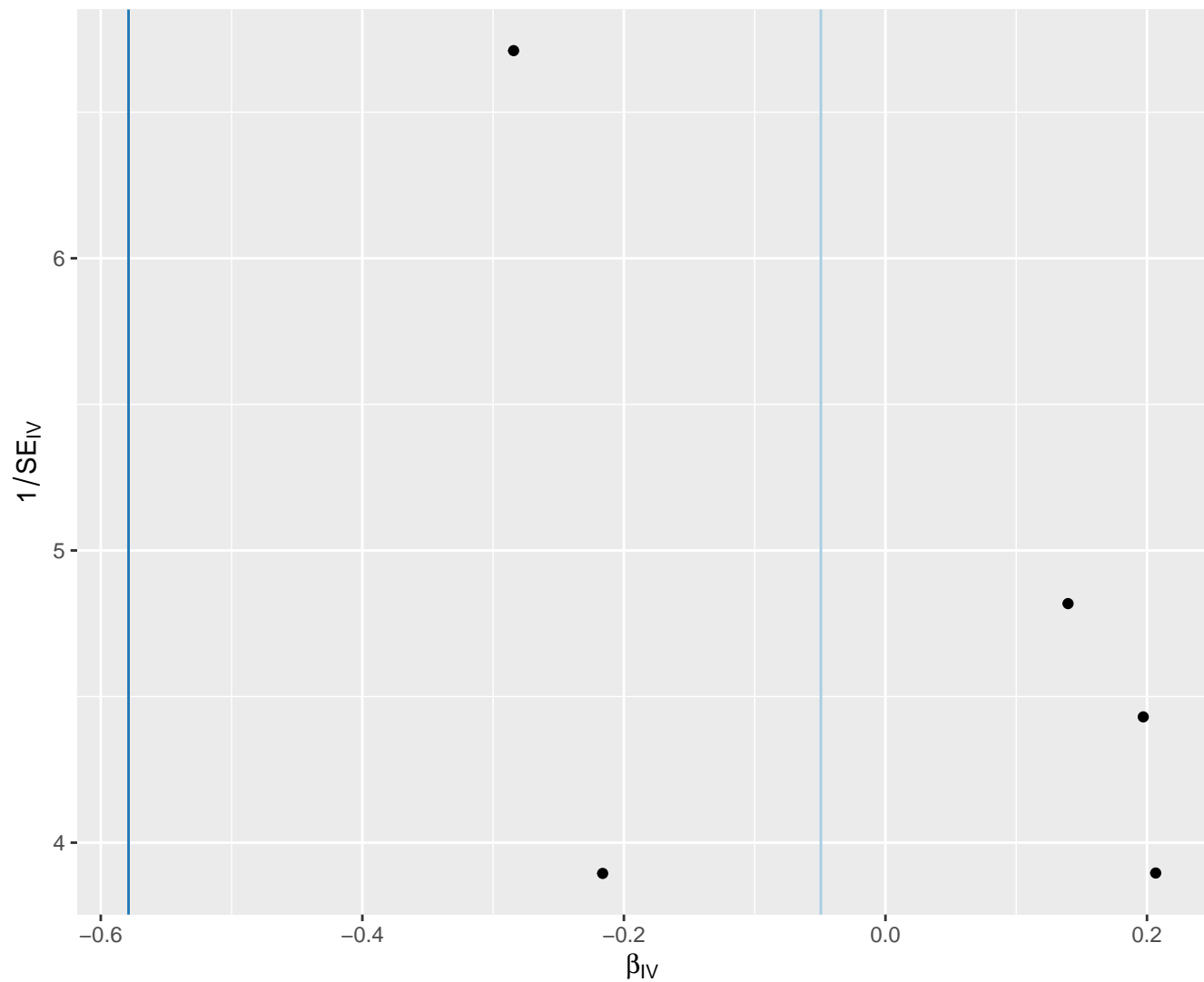
Inverse variance weighted

MR Egger



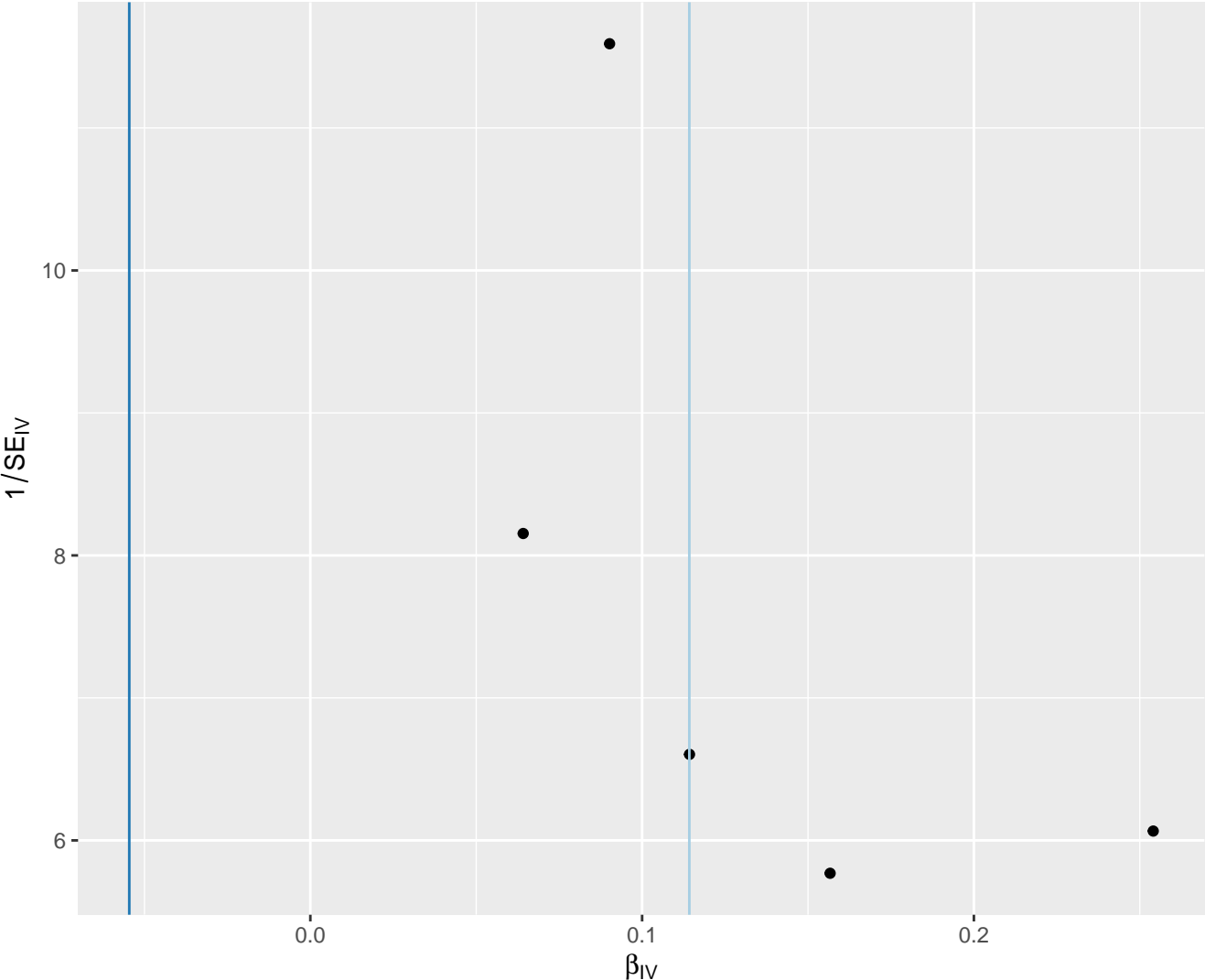
X-11247

MR Method

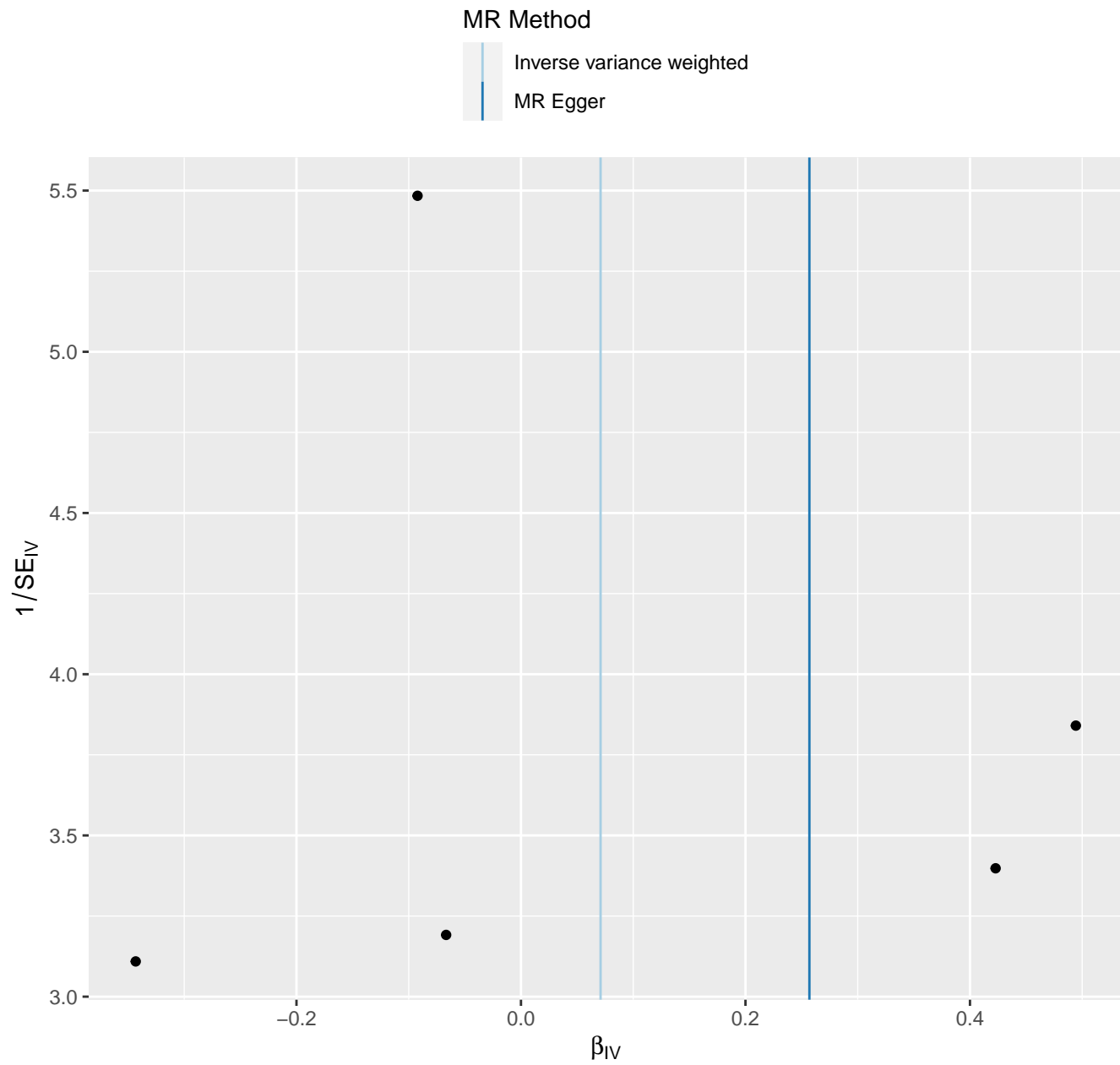


X-11261

MR Method

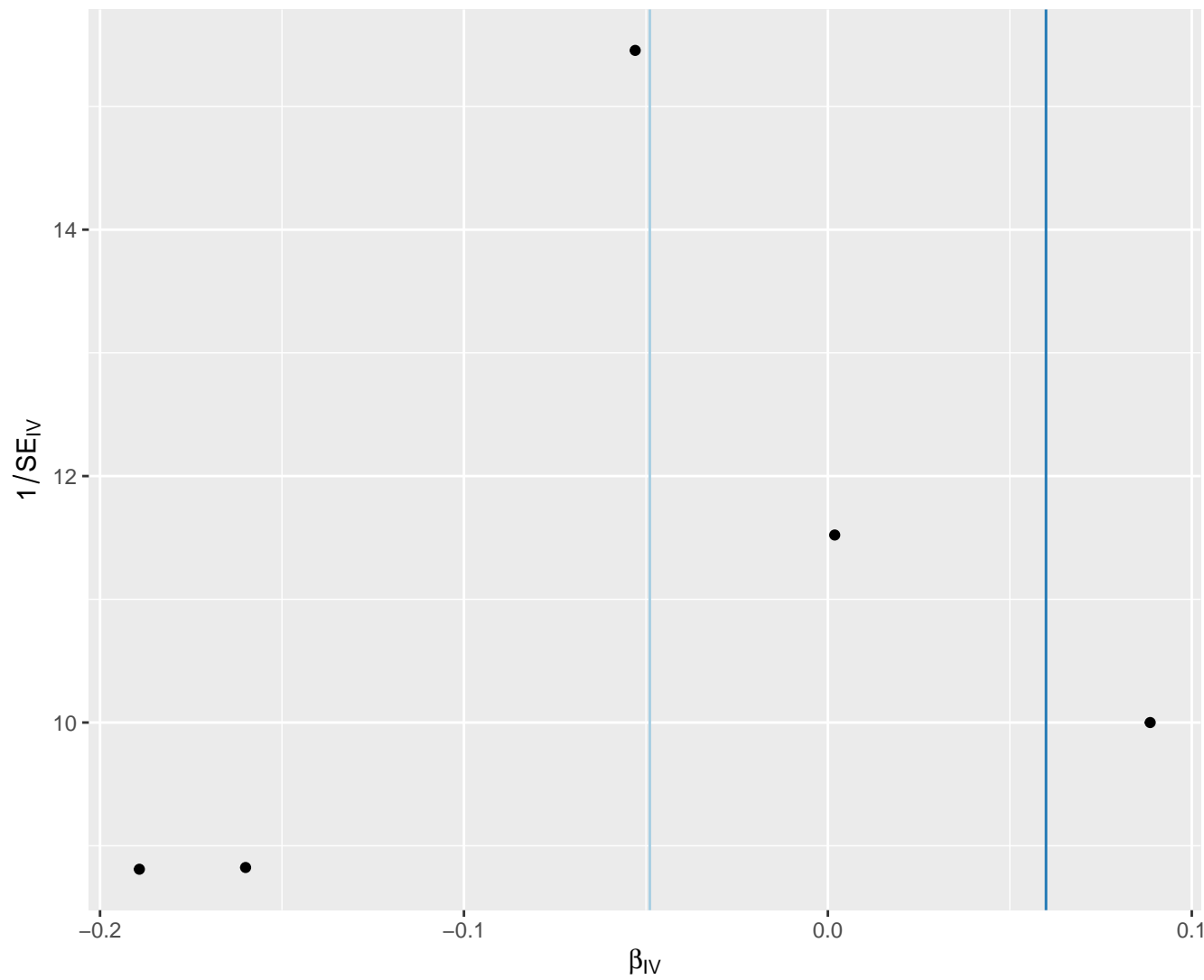


X-11299



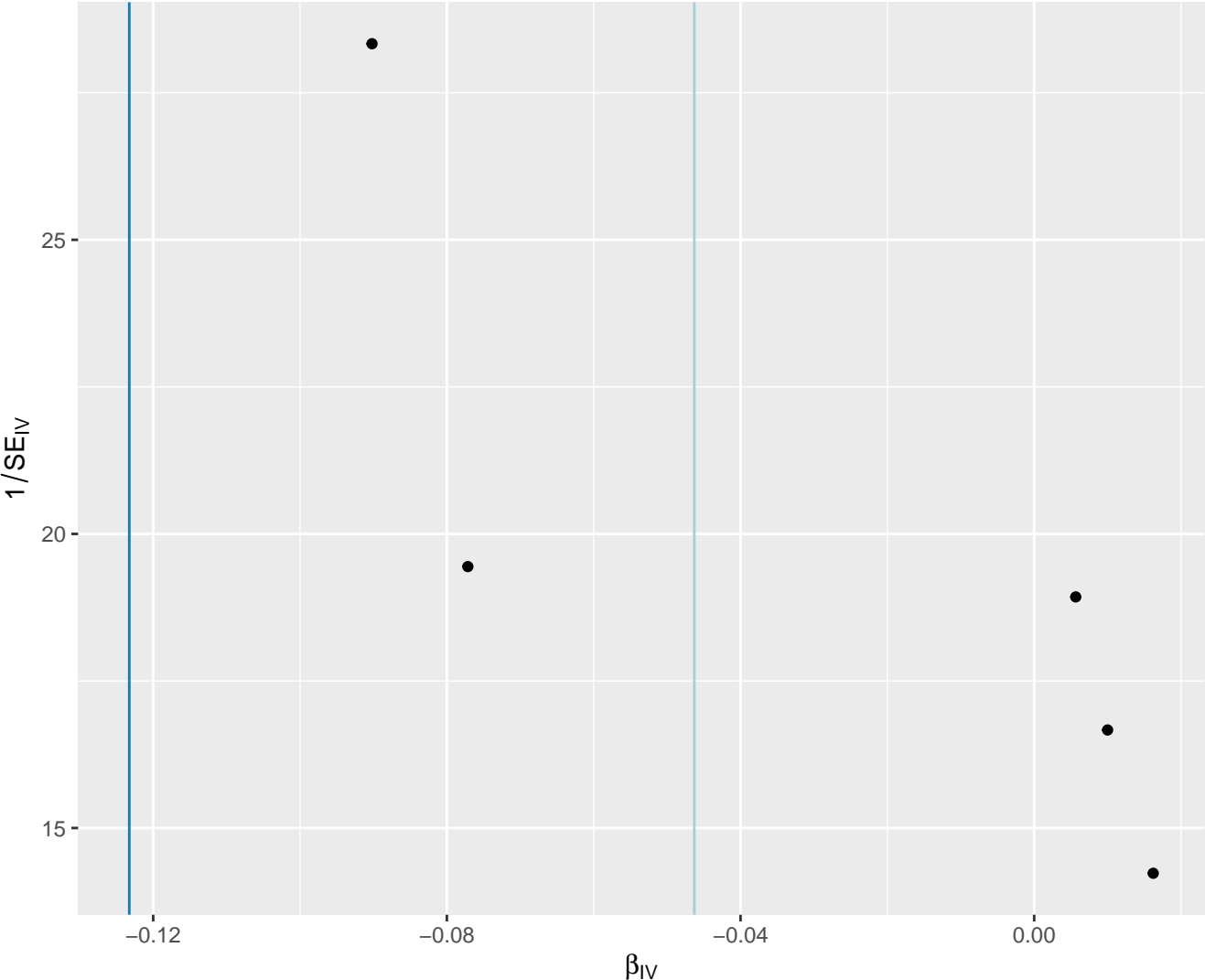
X-11315

MR Method



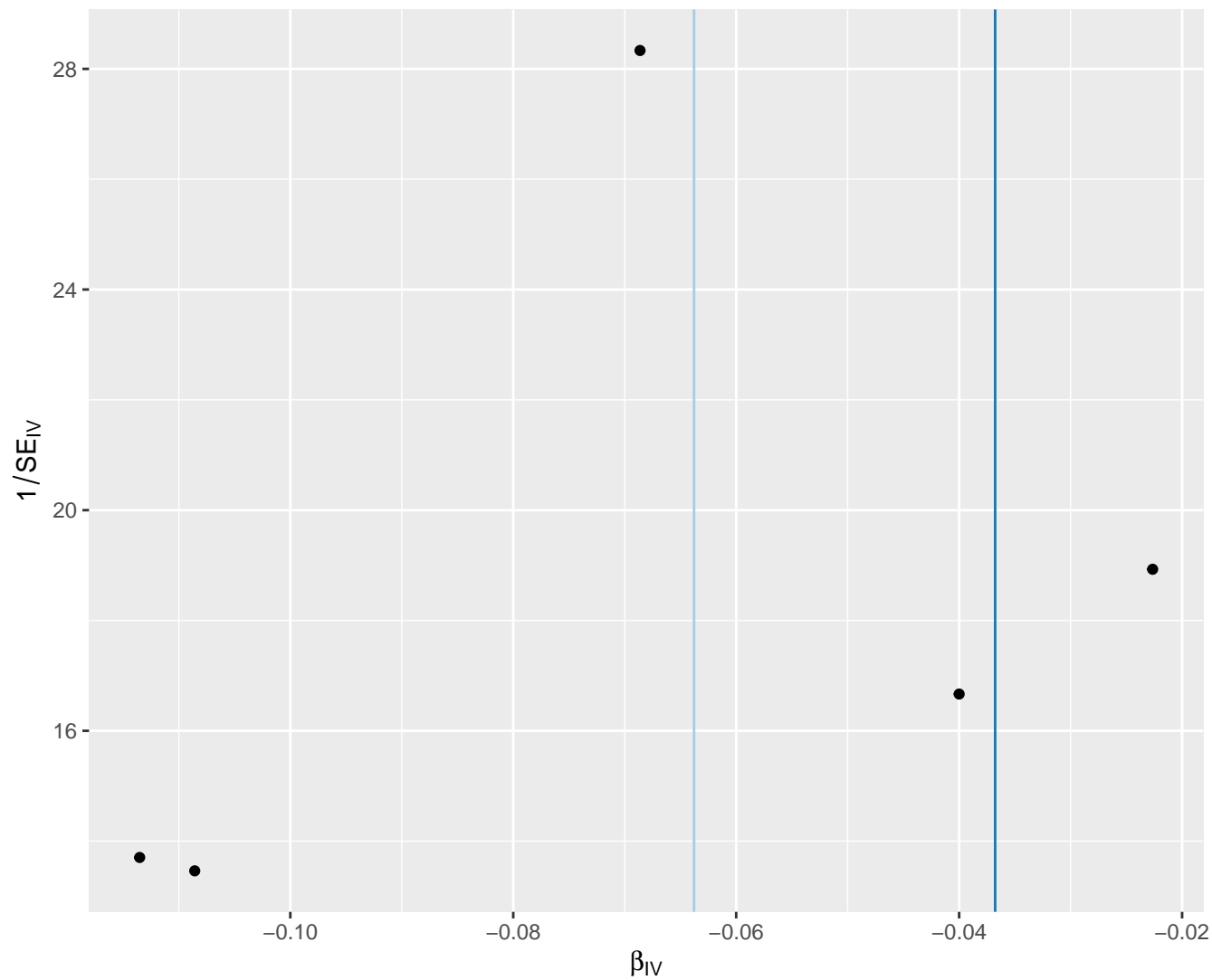
X-11317

MR Method



X-11327

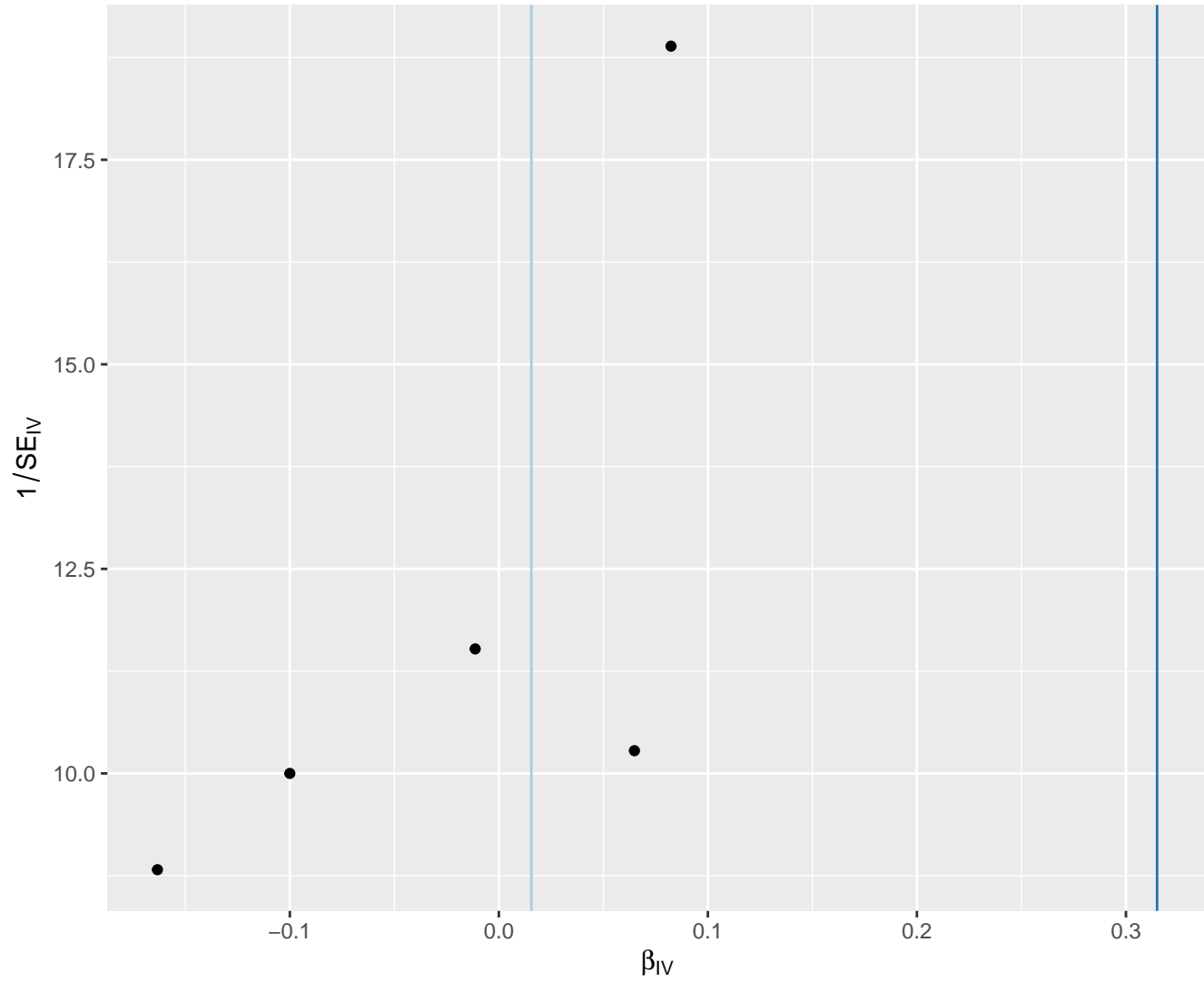
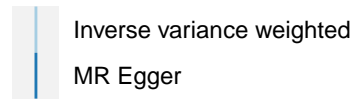
MR Method





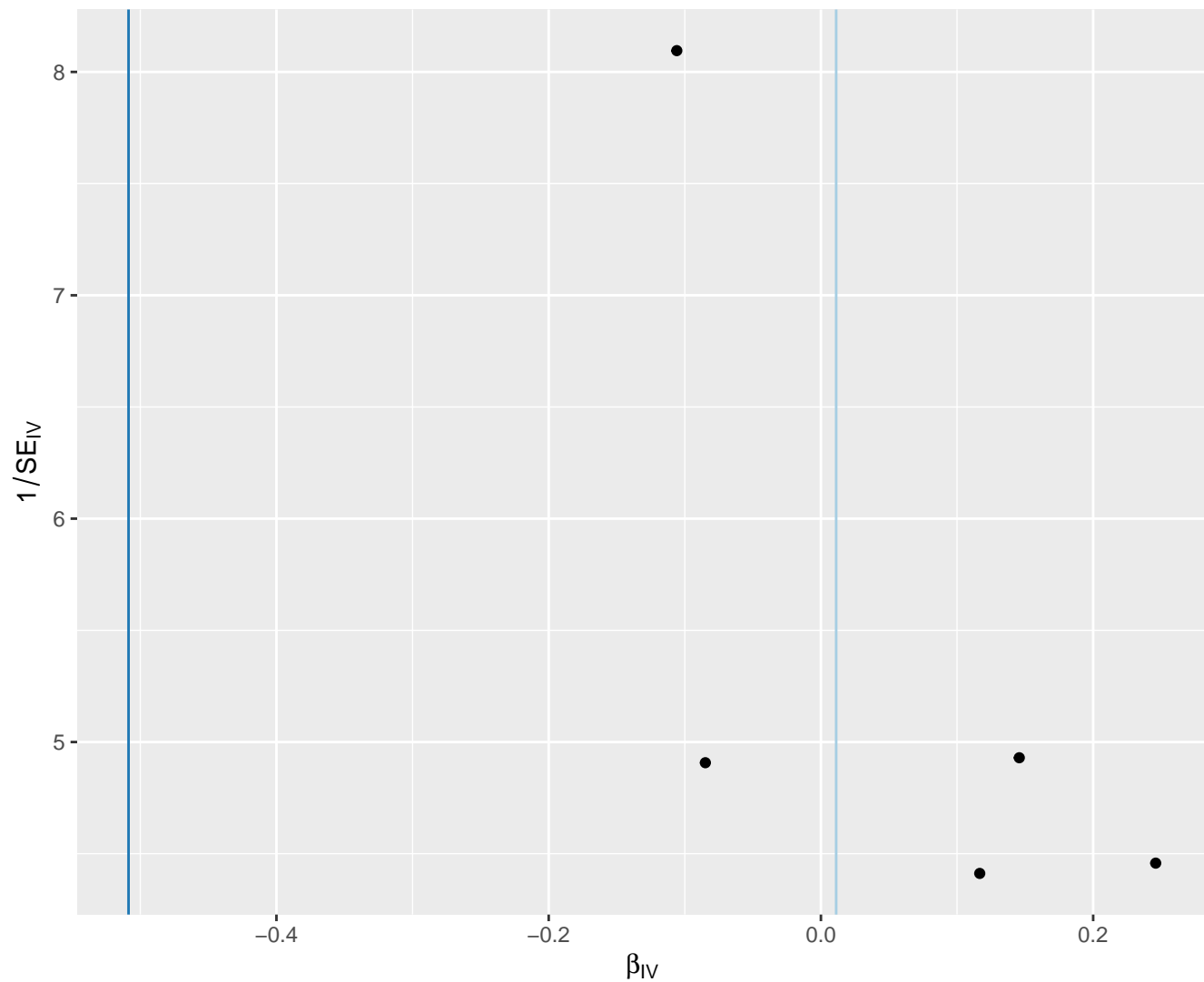
X-11334

MR Method



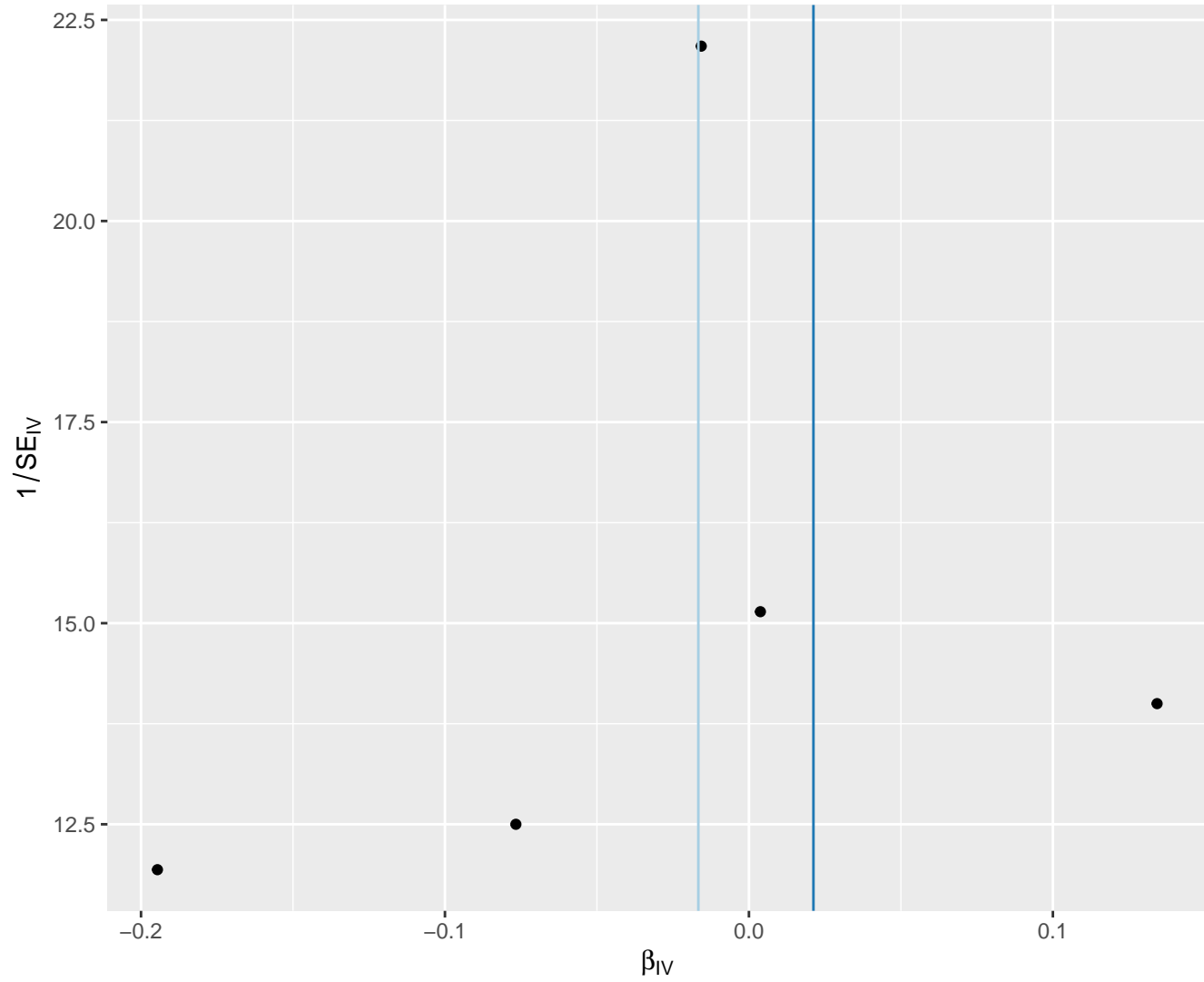
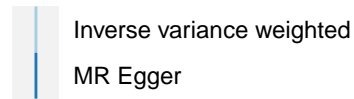
X-11374

MR Method



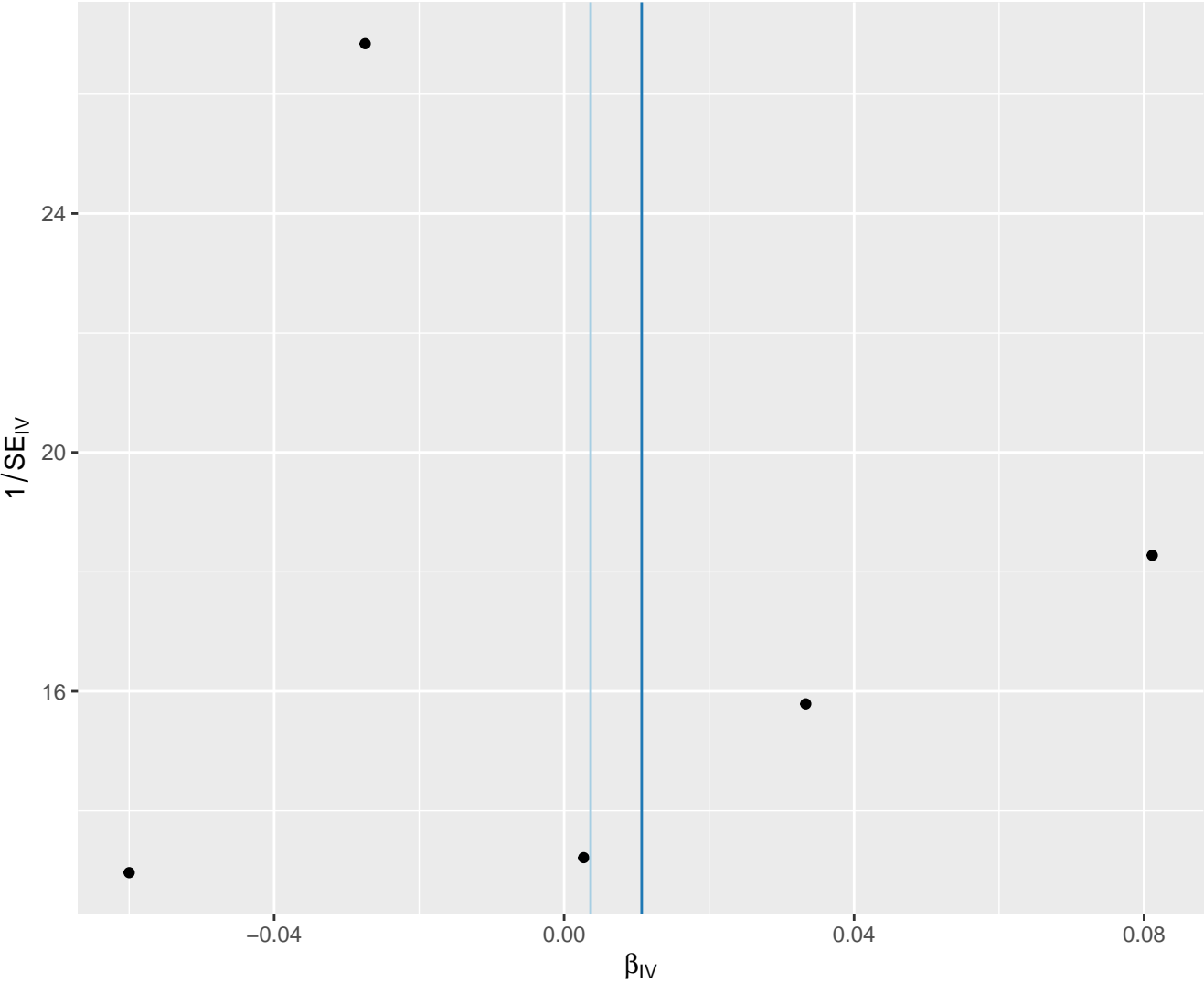
X-11381

MR Method



X-11412

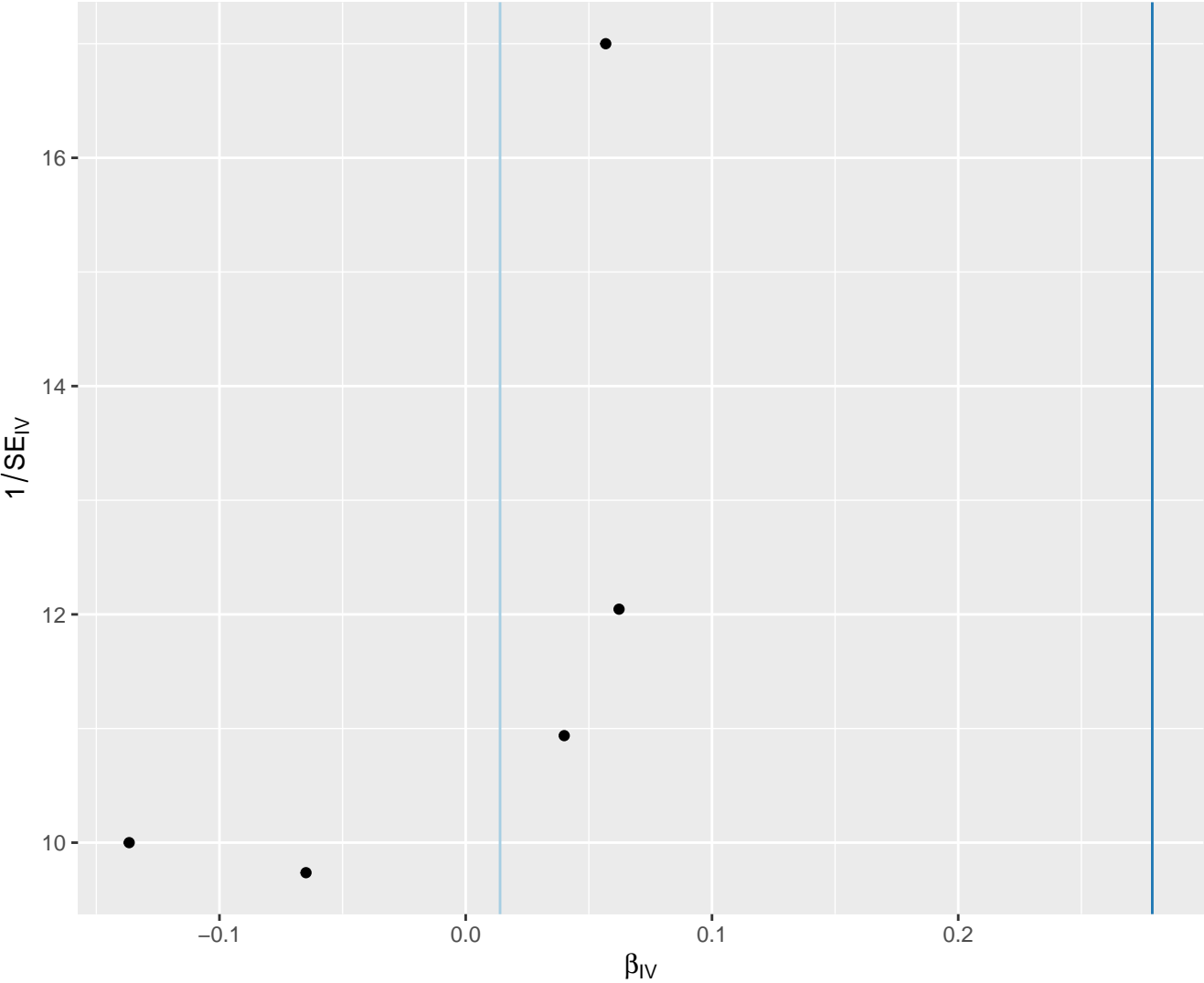
MR Method



X-11422--xanthine

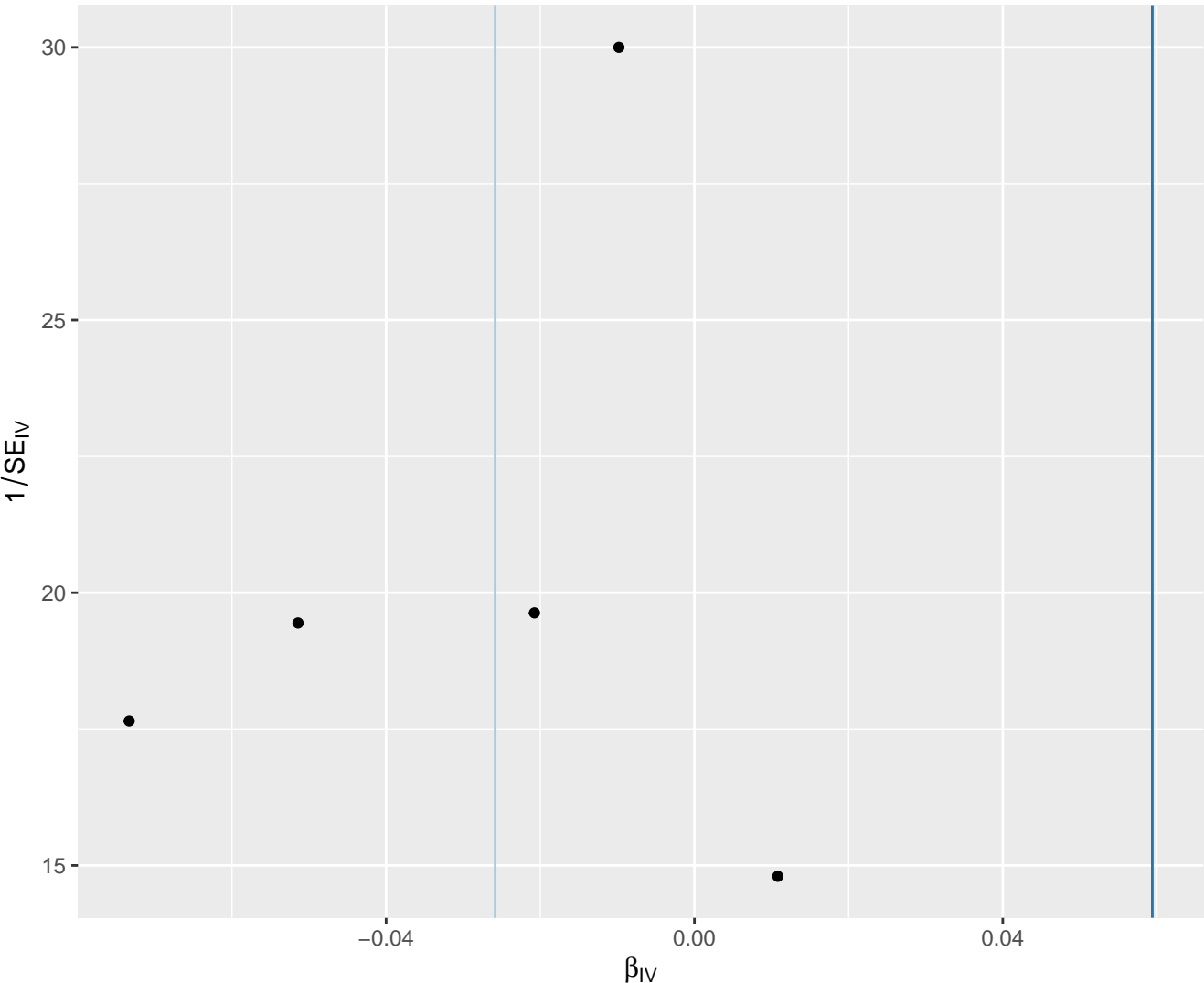
MR Method

- Inverse variance weighted
- MR Egger



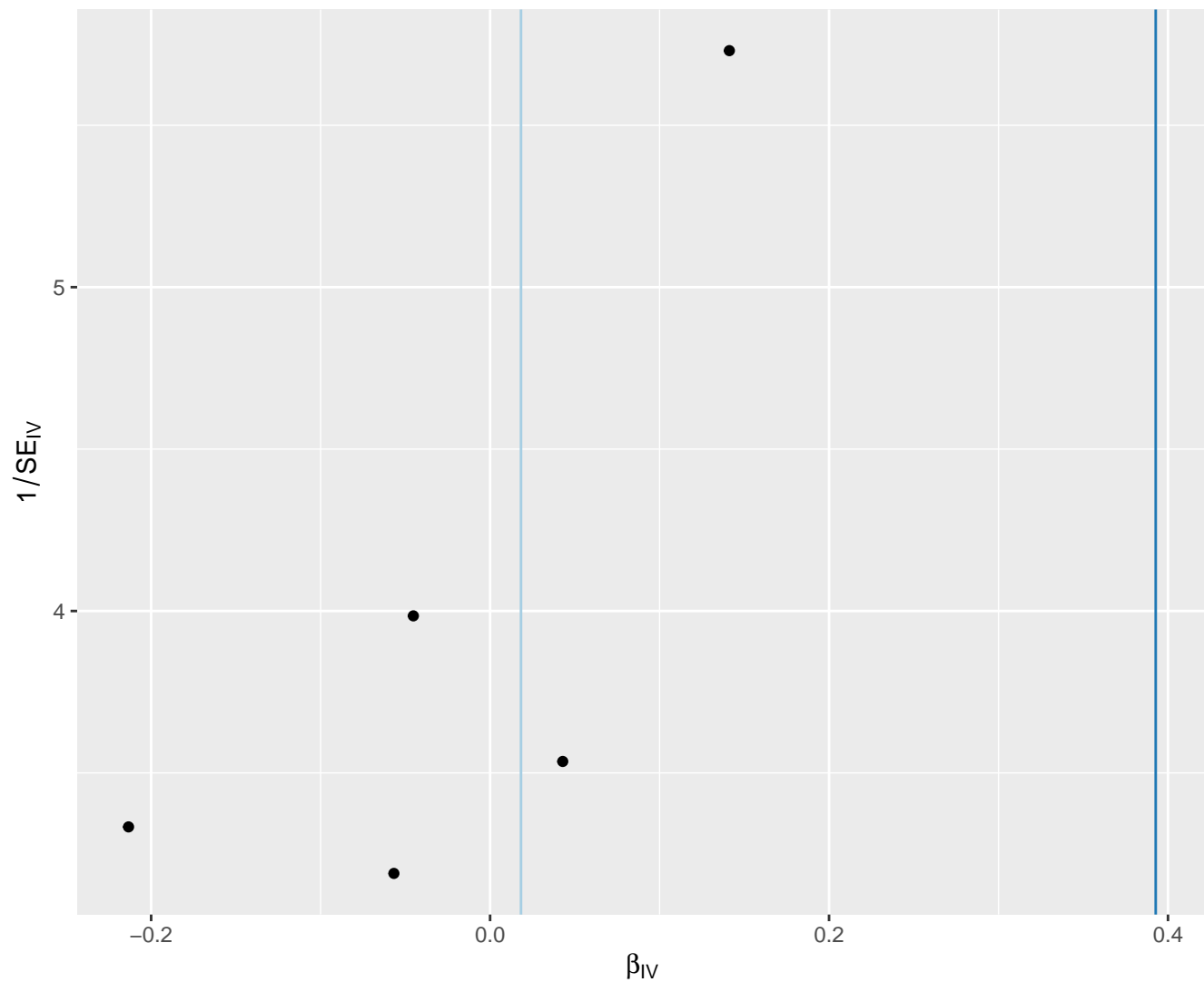
X-11423--O-sulfo-L-tyrosine

MR Method



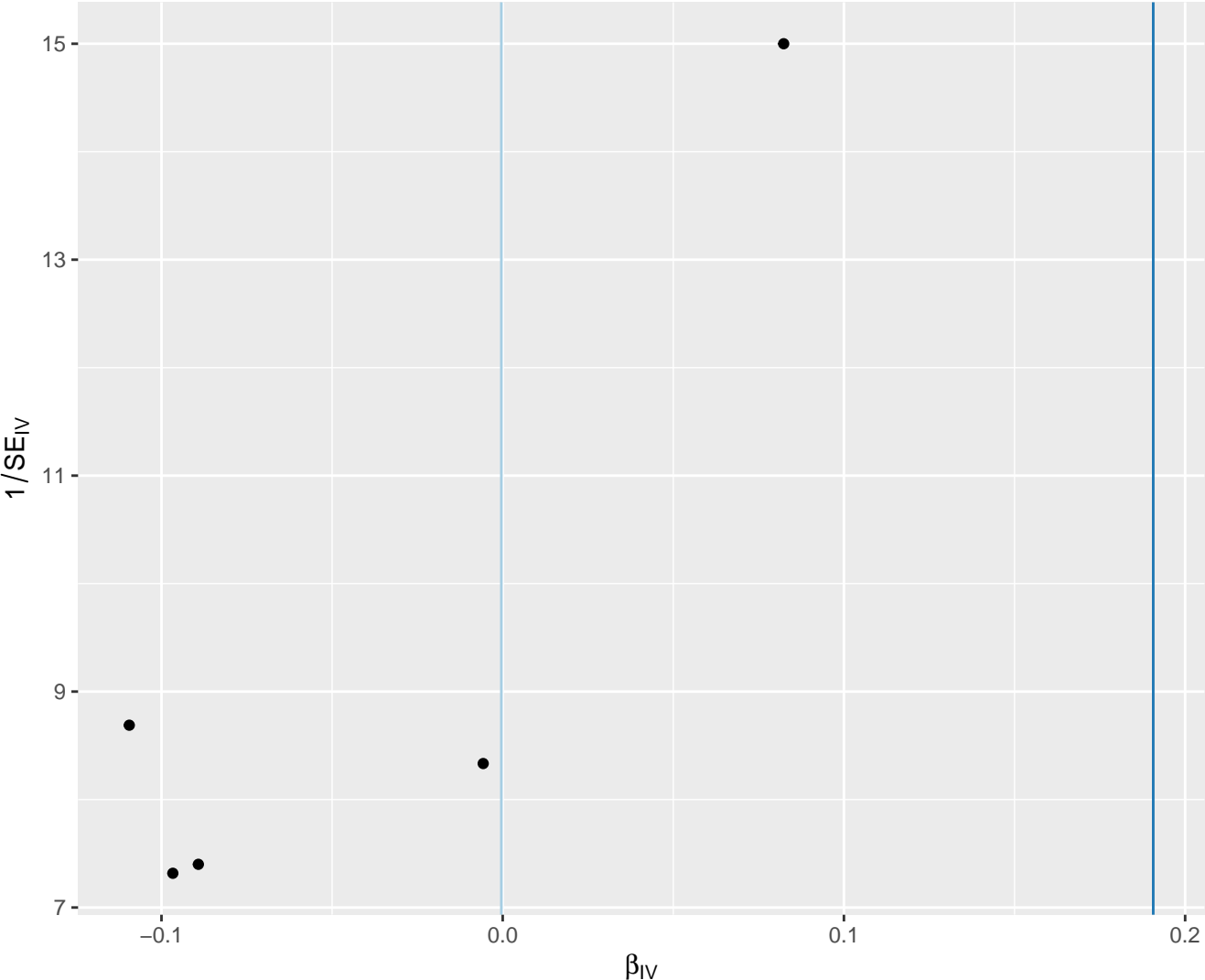
X-11437

MR Method



X-11438

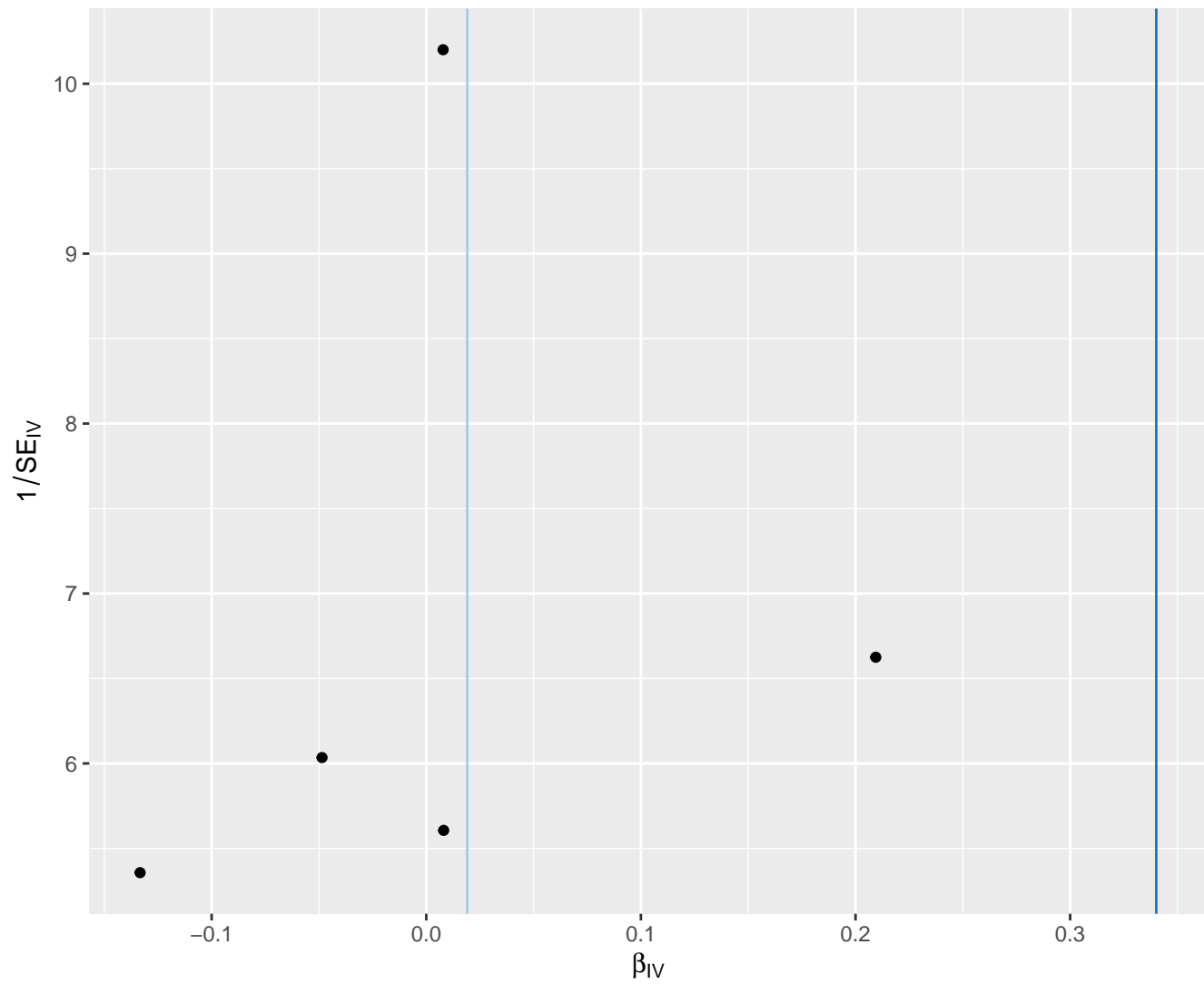
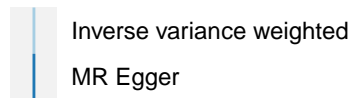
MR Method





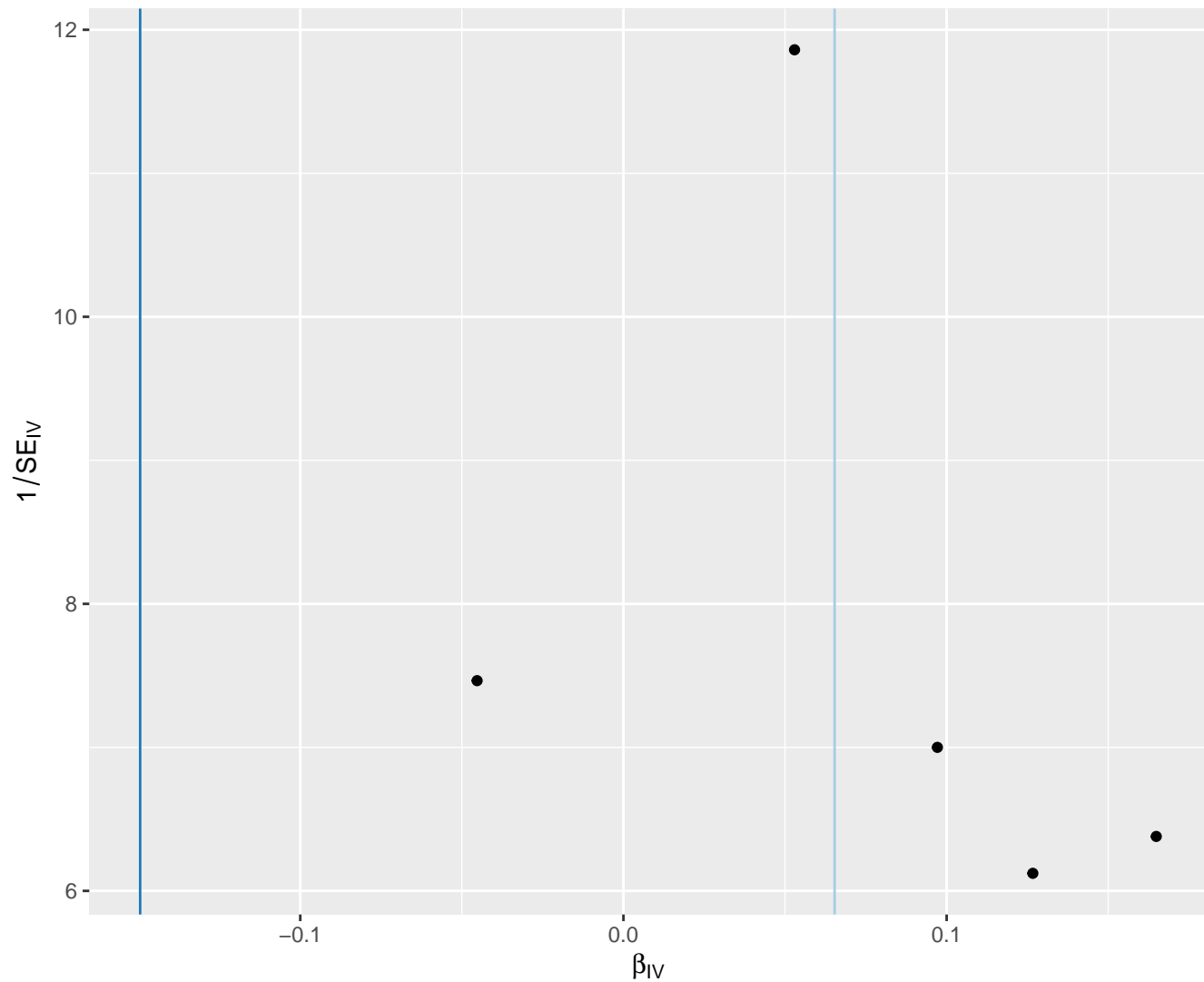
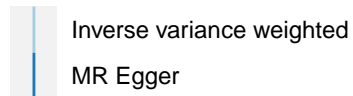
X-11440

MR Method



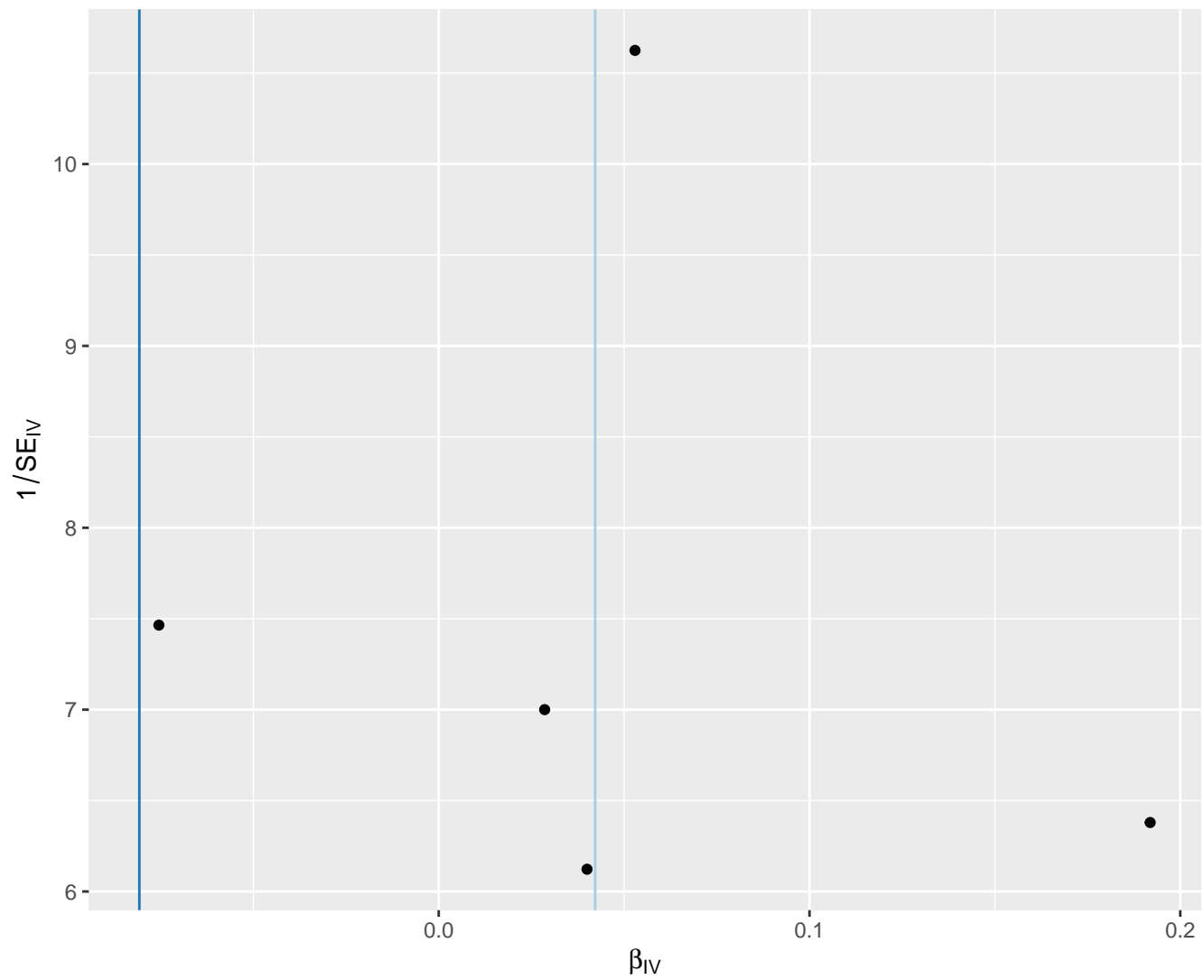
X-11441

MR Method



X-11442

MR Method



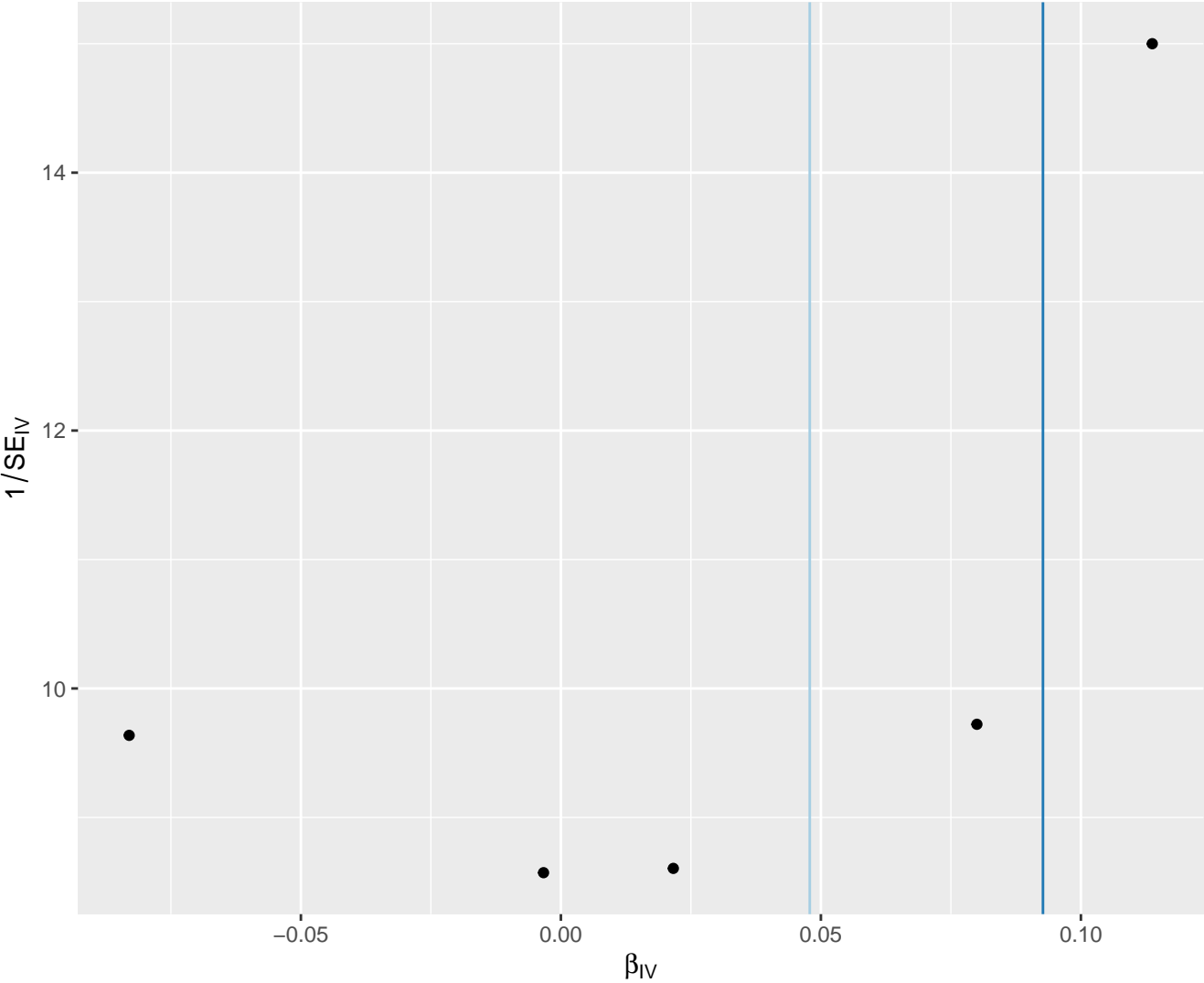
X-11444

MR Method



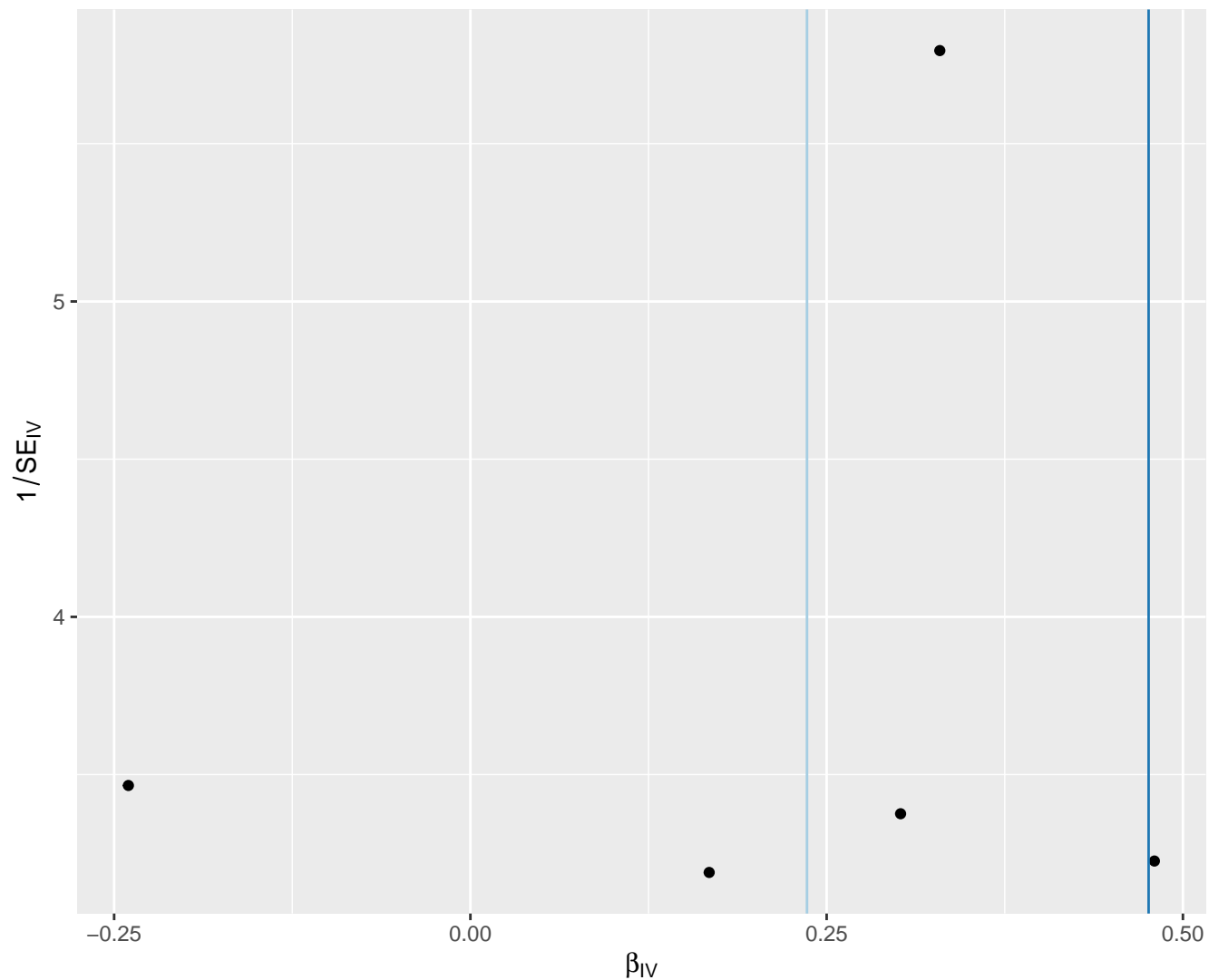
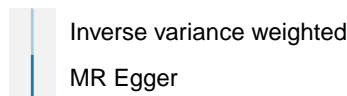
Inverse variance weighted

MR Egger



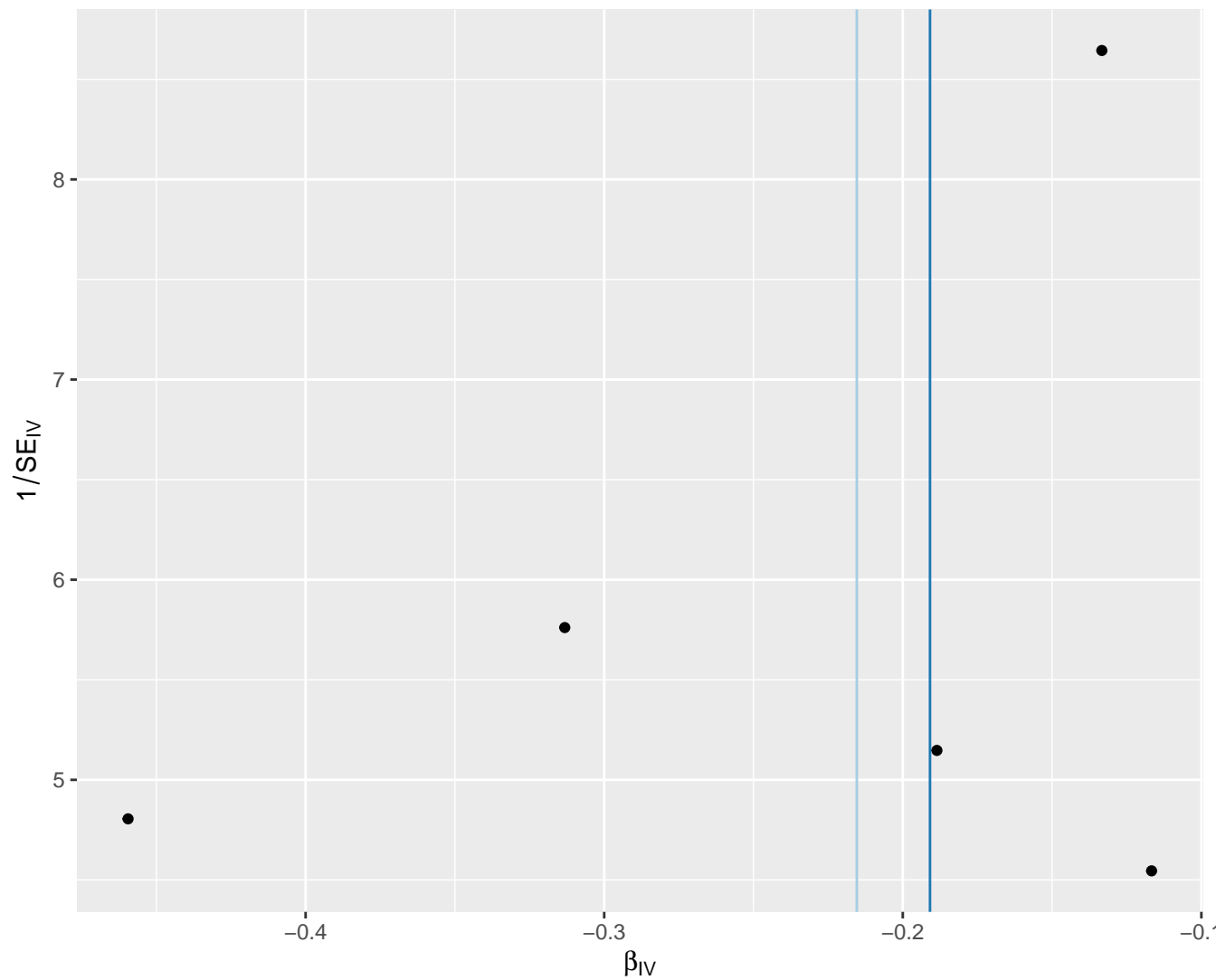
X-11445--5-alpha-pregnan-3beta,20alpha-disulfate

MR Method



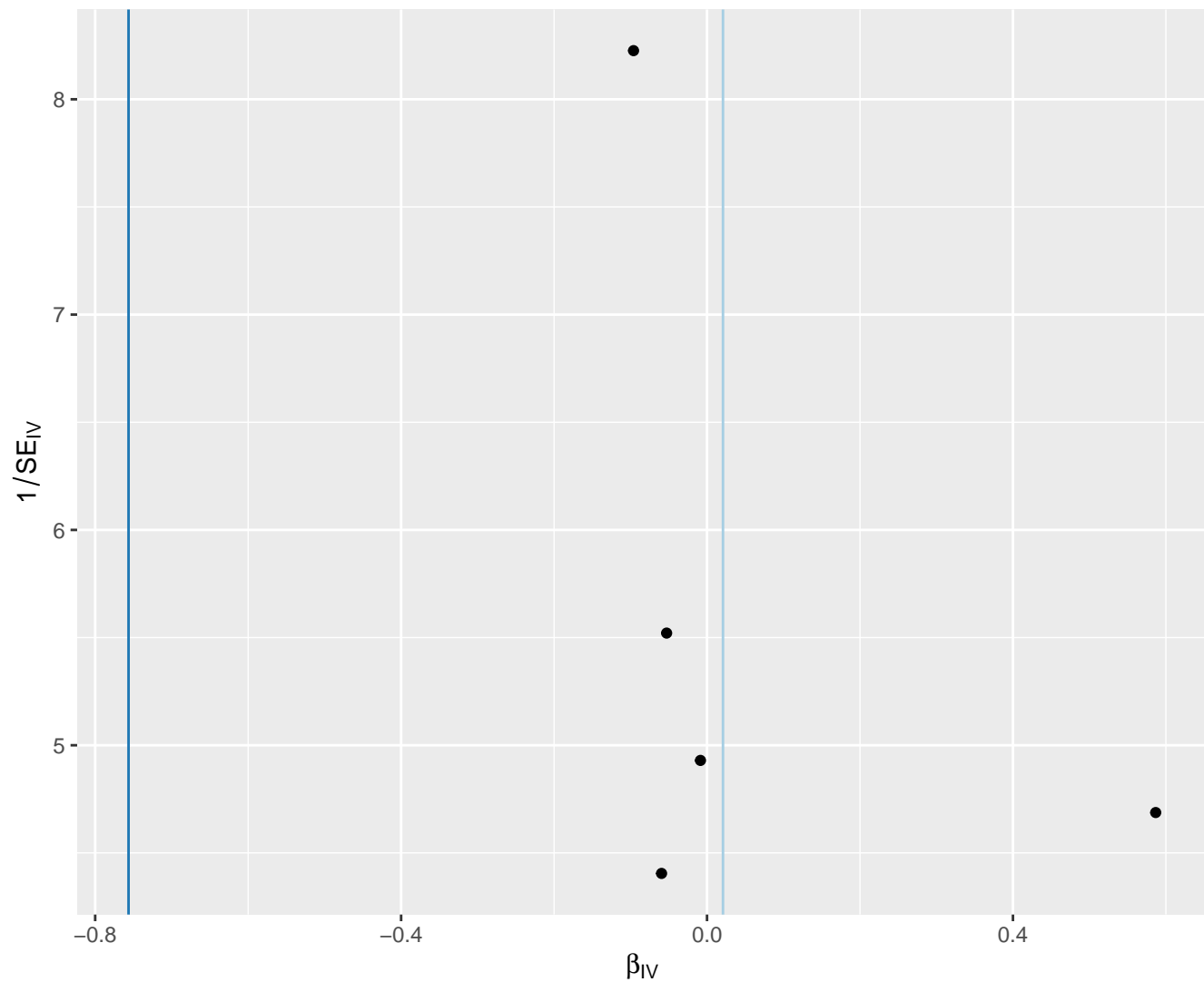
X-11452

MR Method



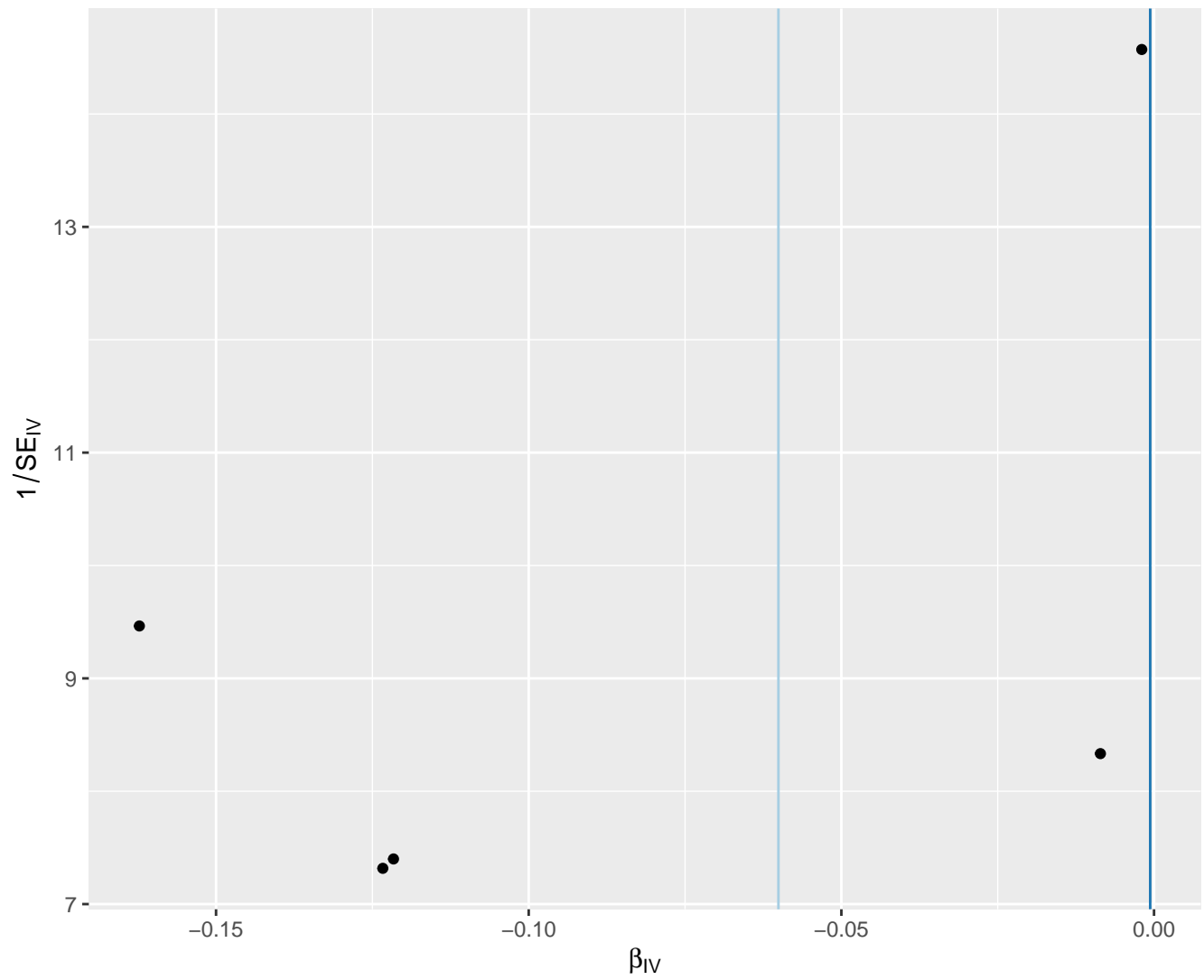
X-11469

MR Method



X-11470

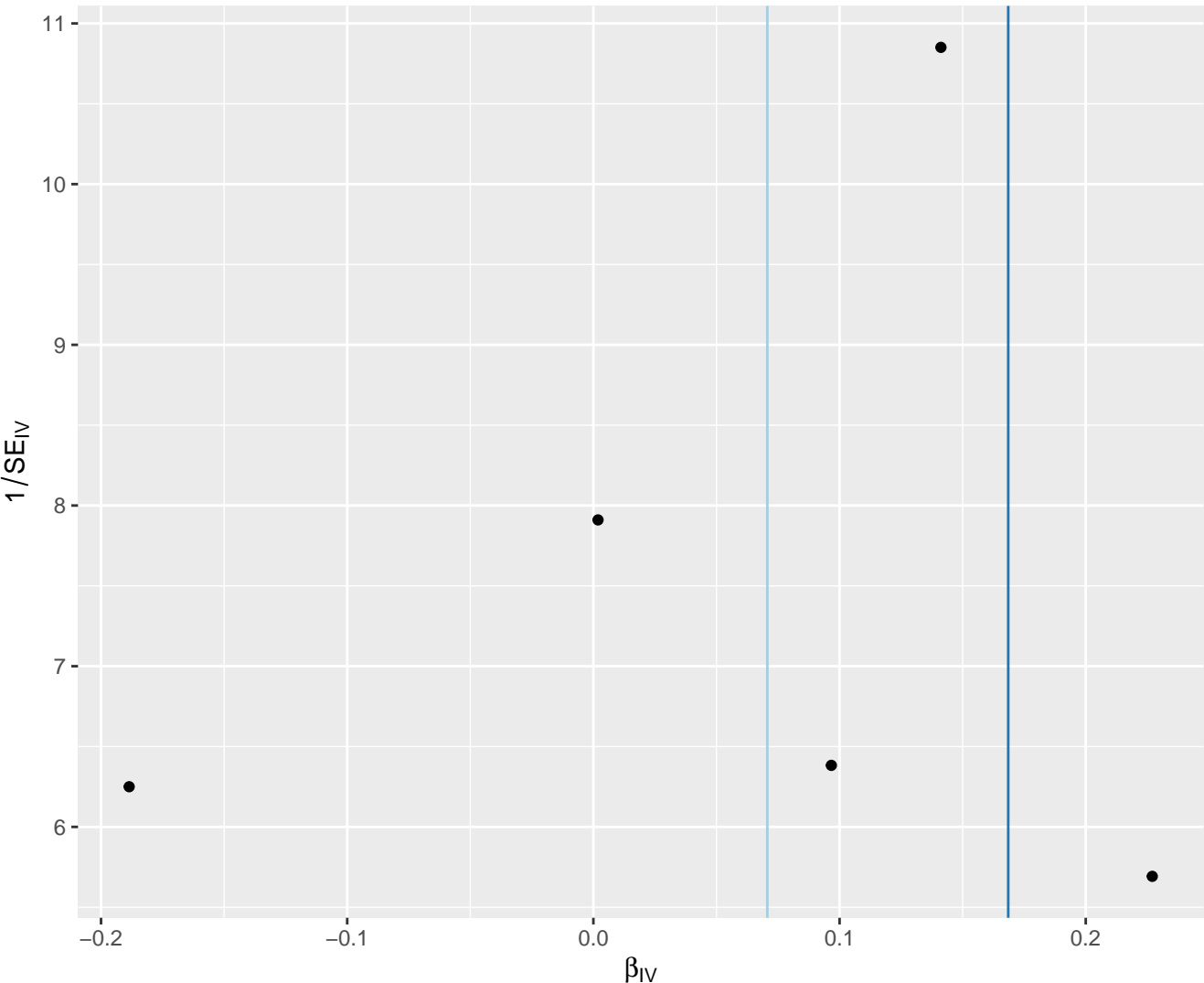
MR Method





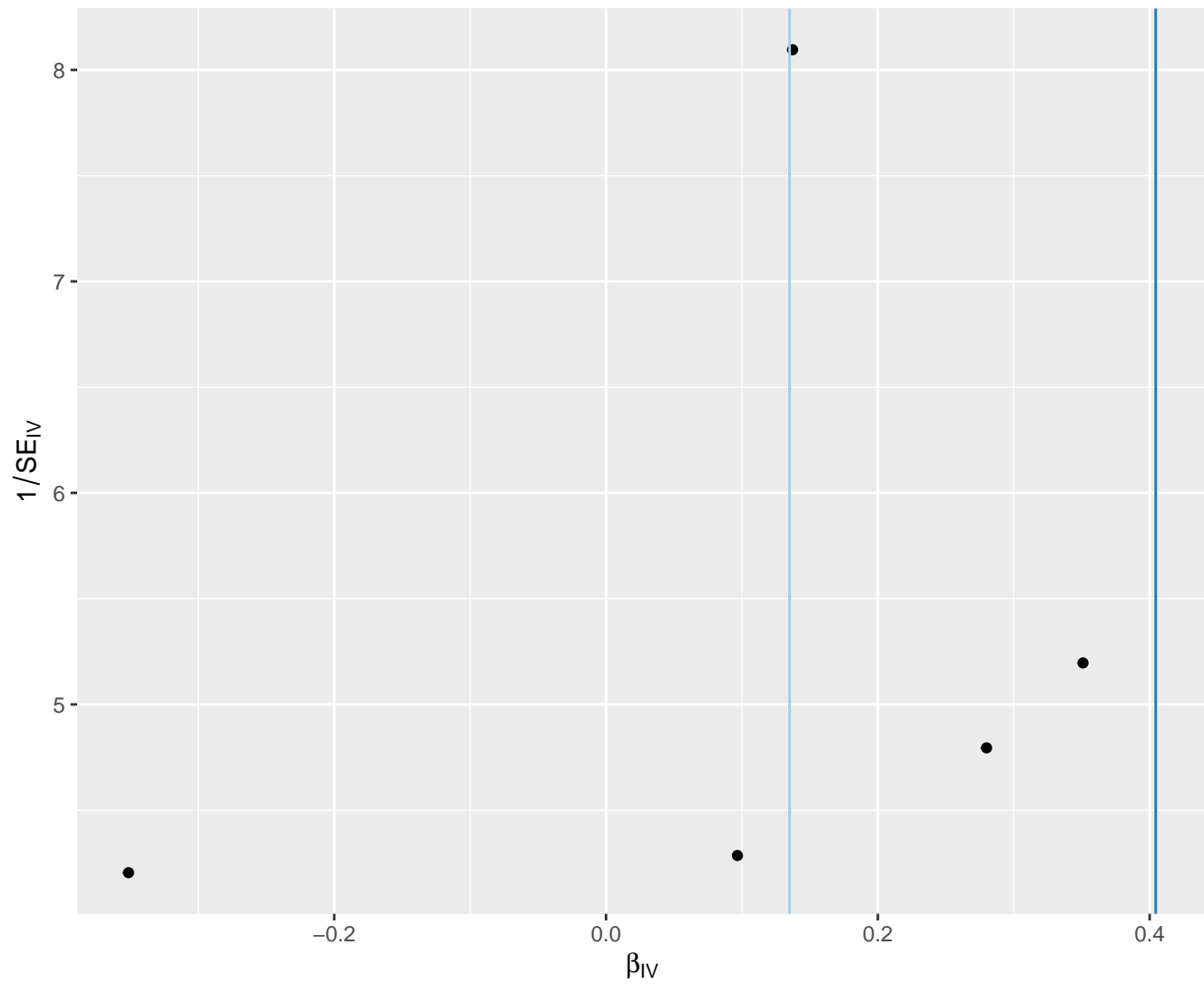
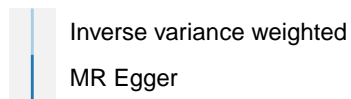
X-11478

MR Method



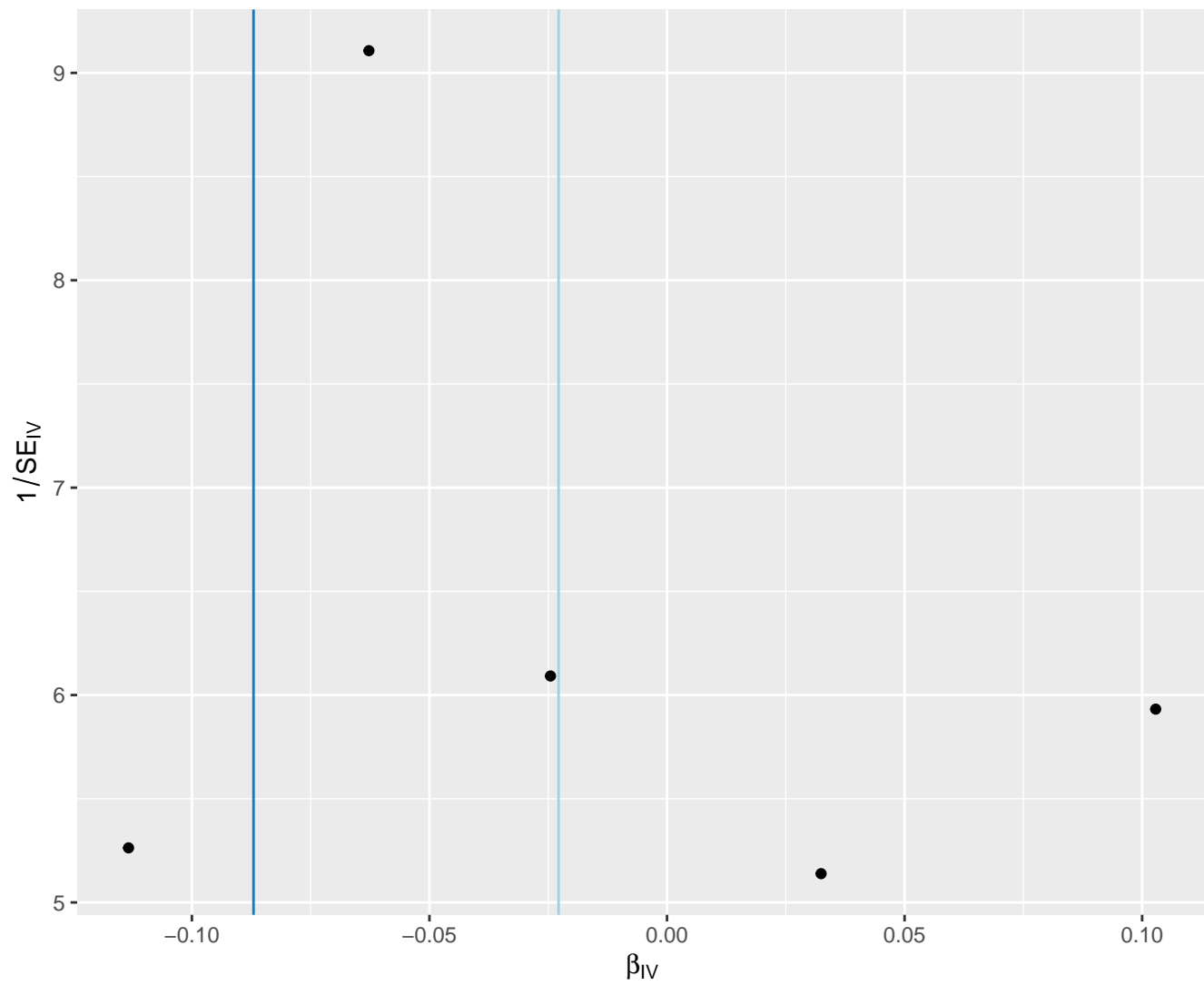
X-11483

MR Method



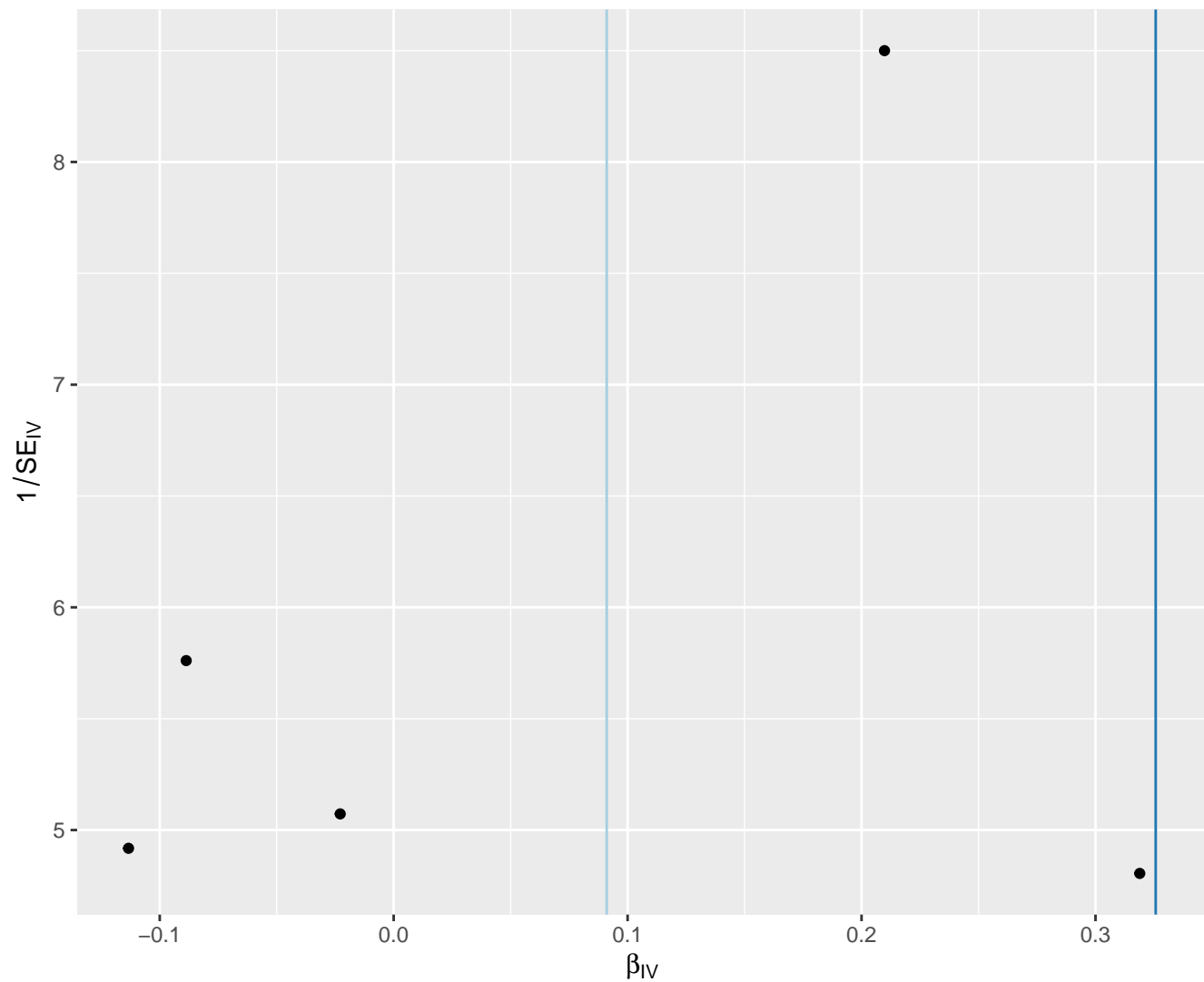
X-11485

MR Method



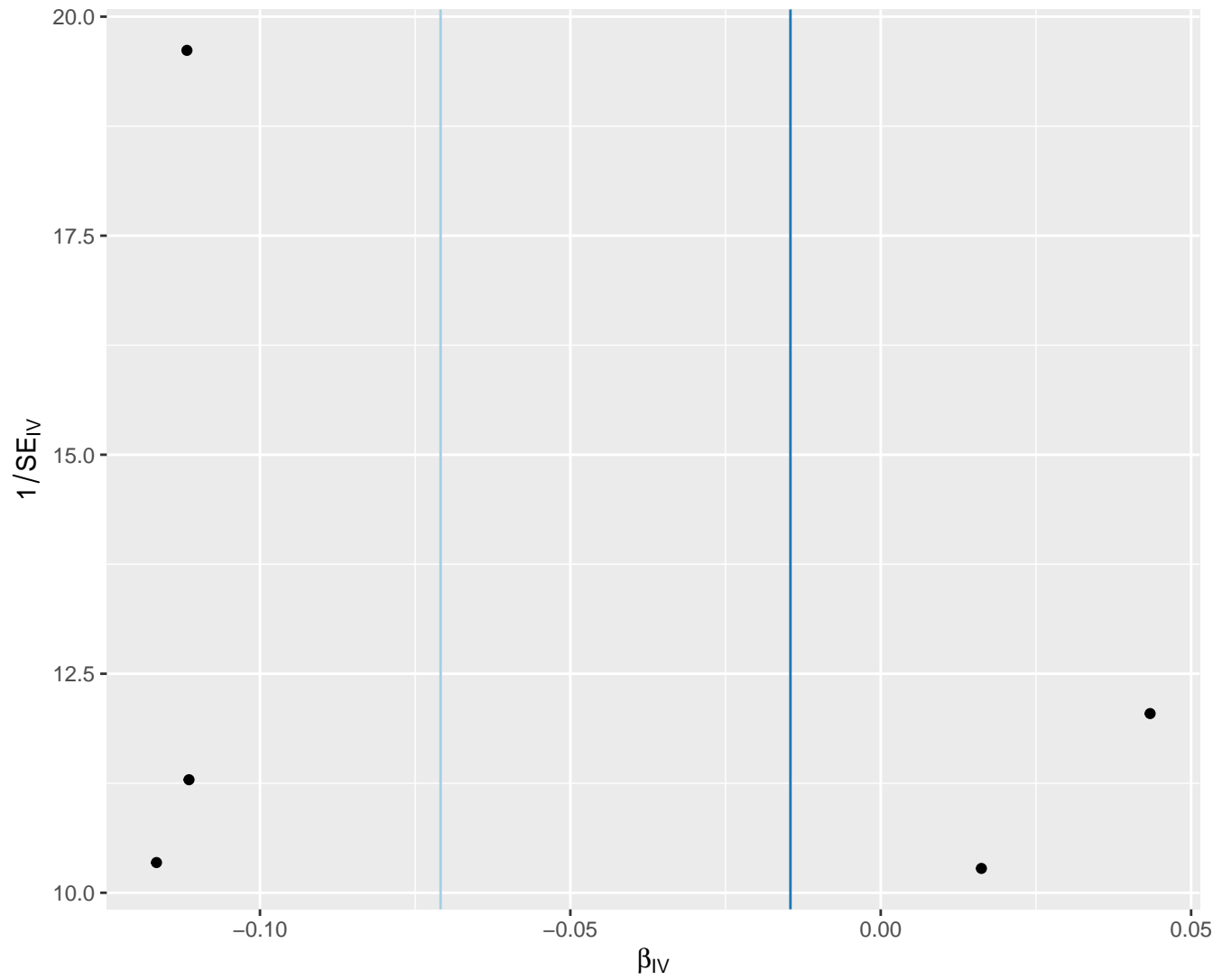
X-11491

MR Method



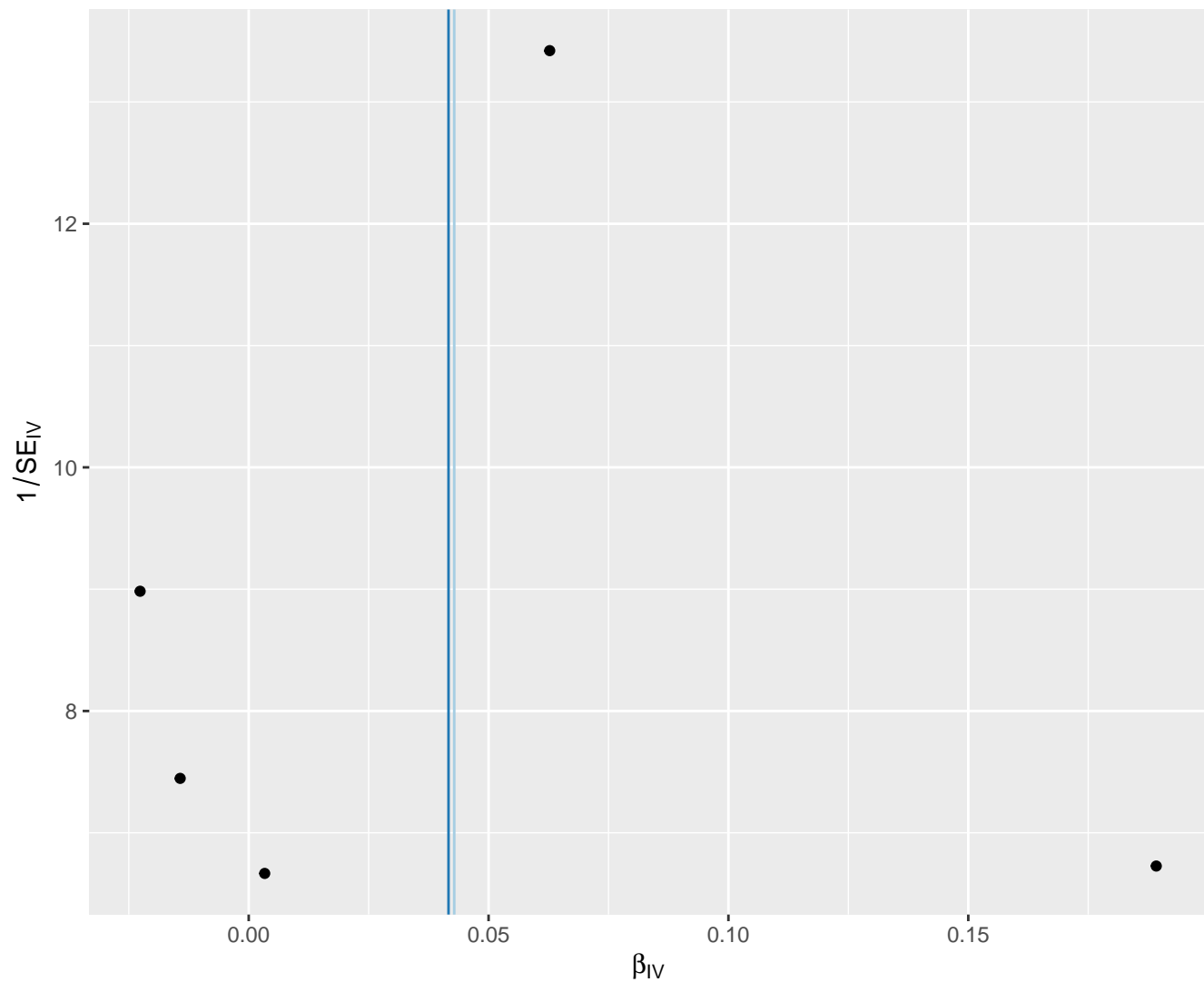
X-11497

MR Method



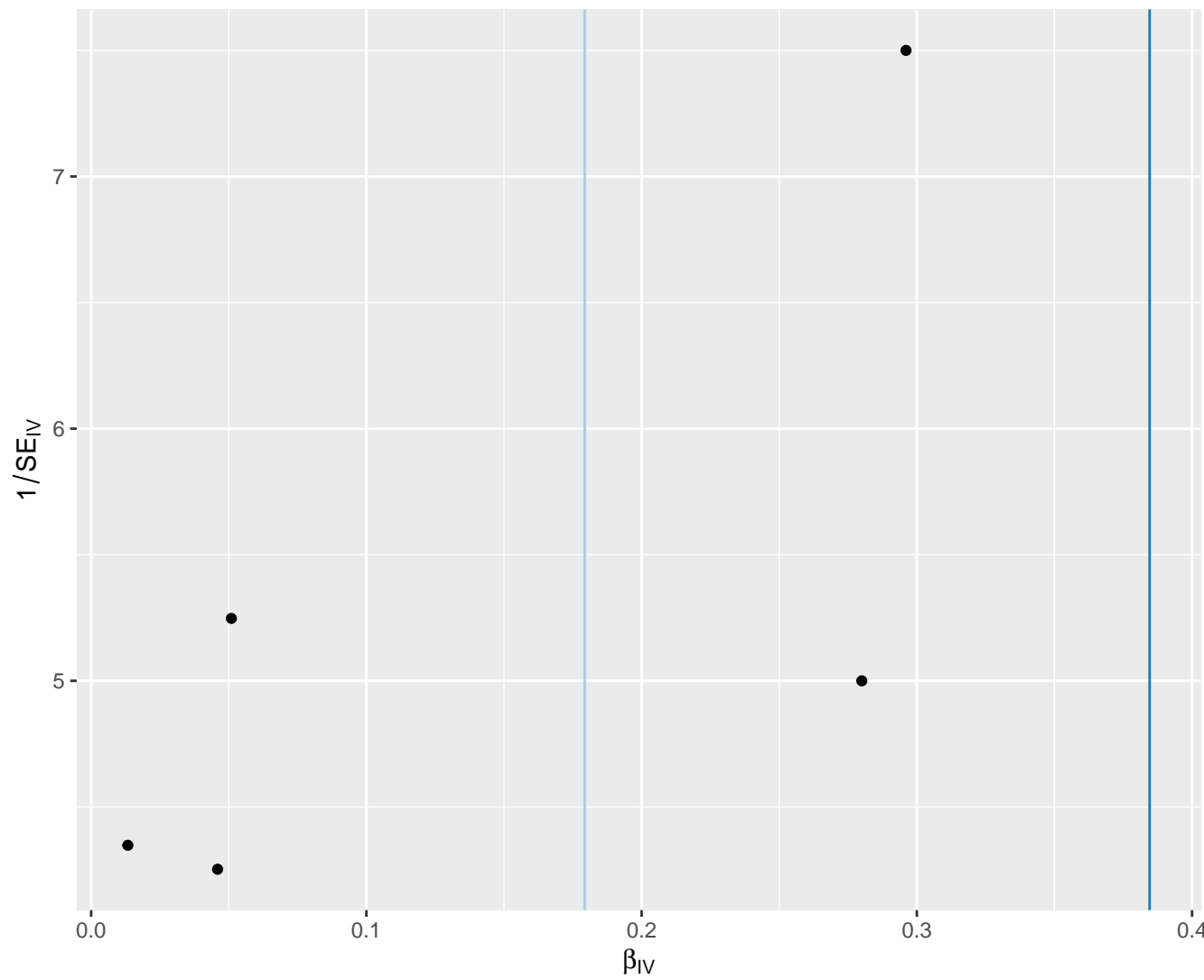
X-11521

MR Method



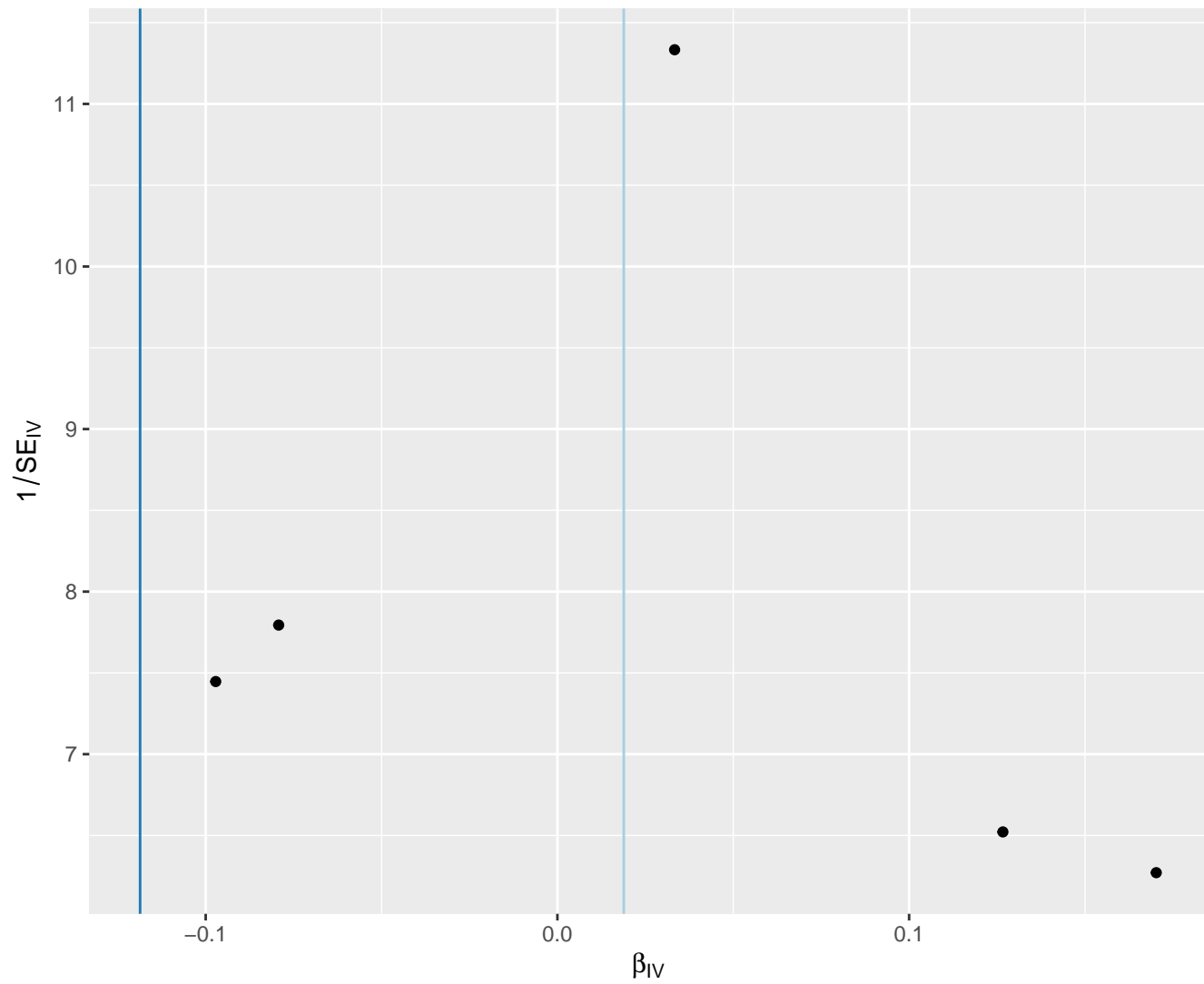
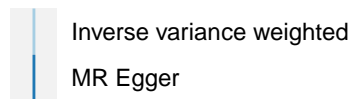
X-11529

MR Method



X-11530

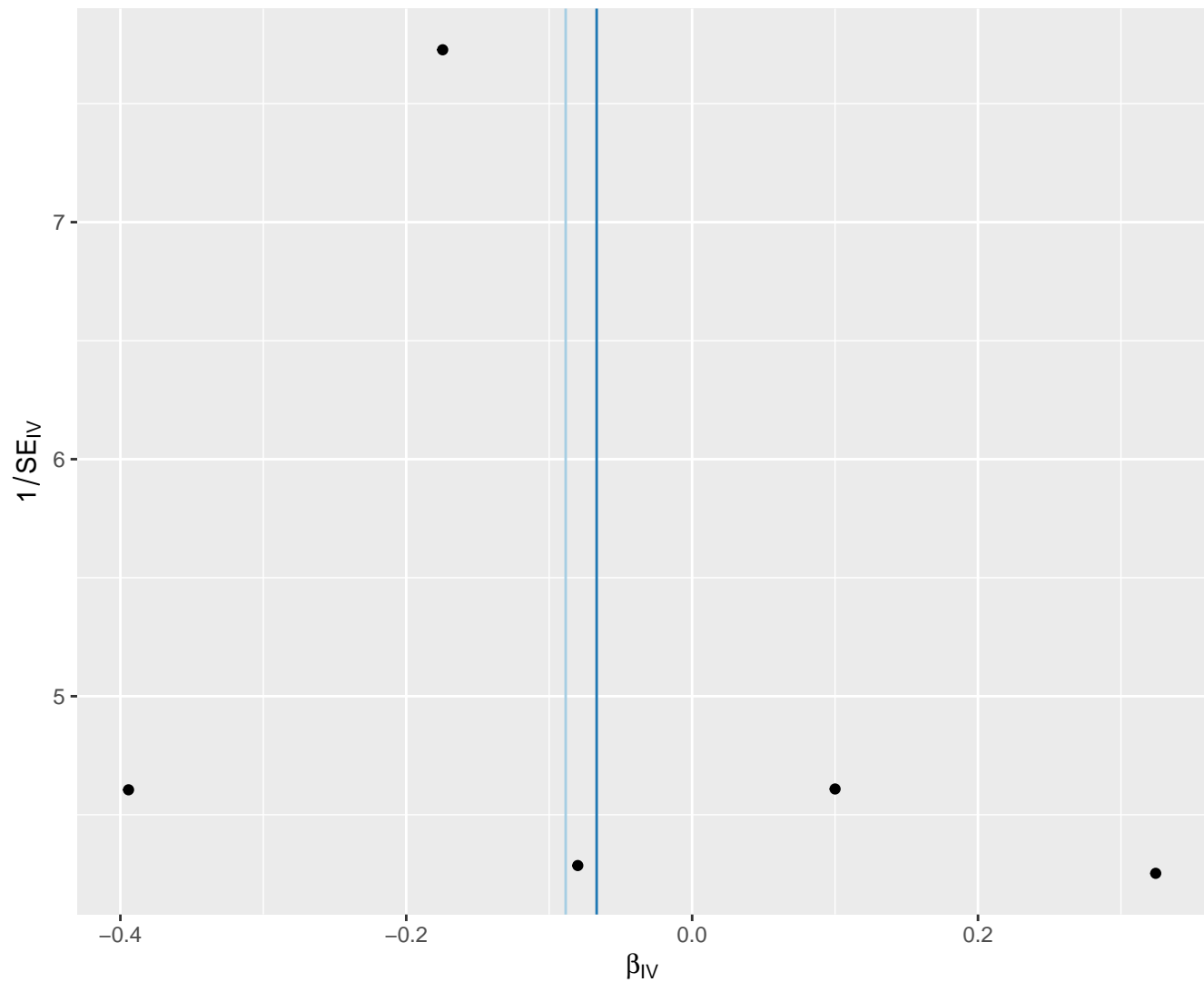
MR Method





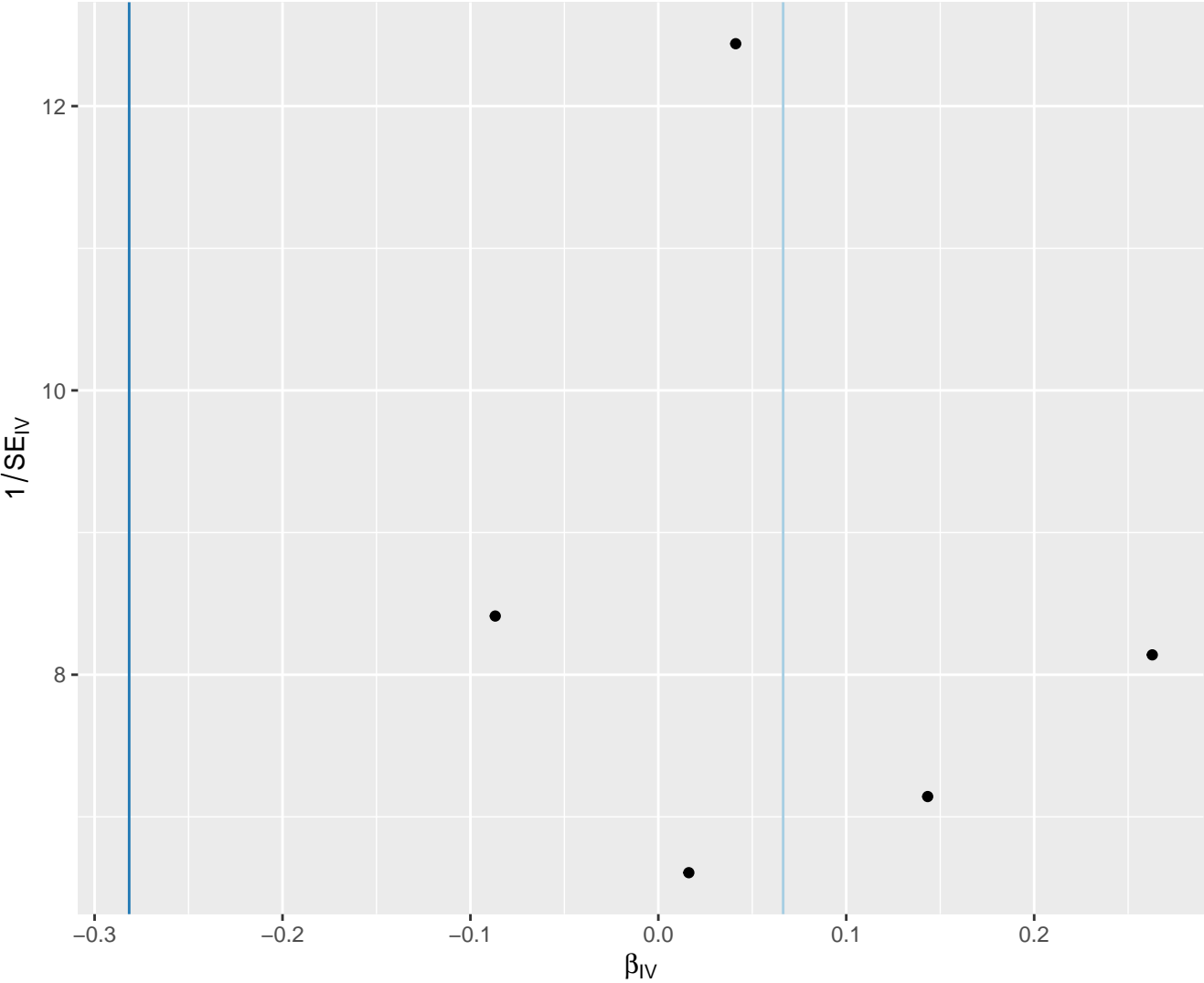
X-11537

MR Method



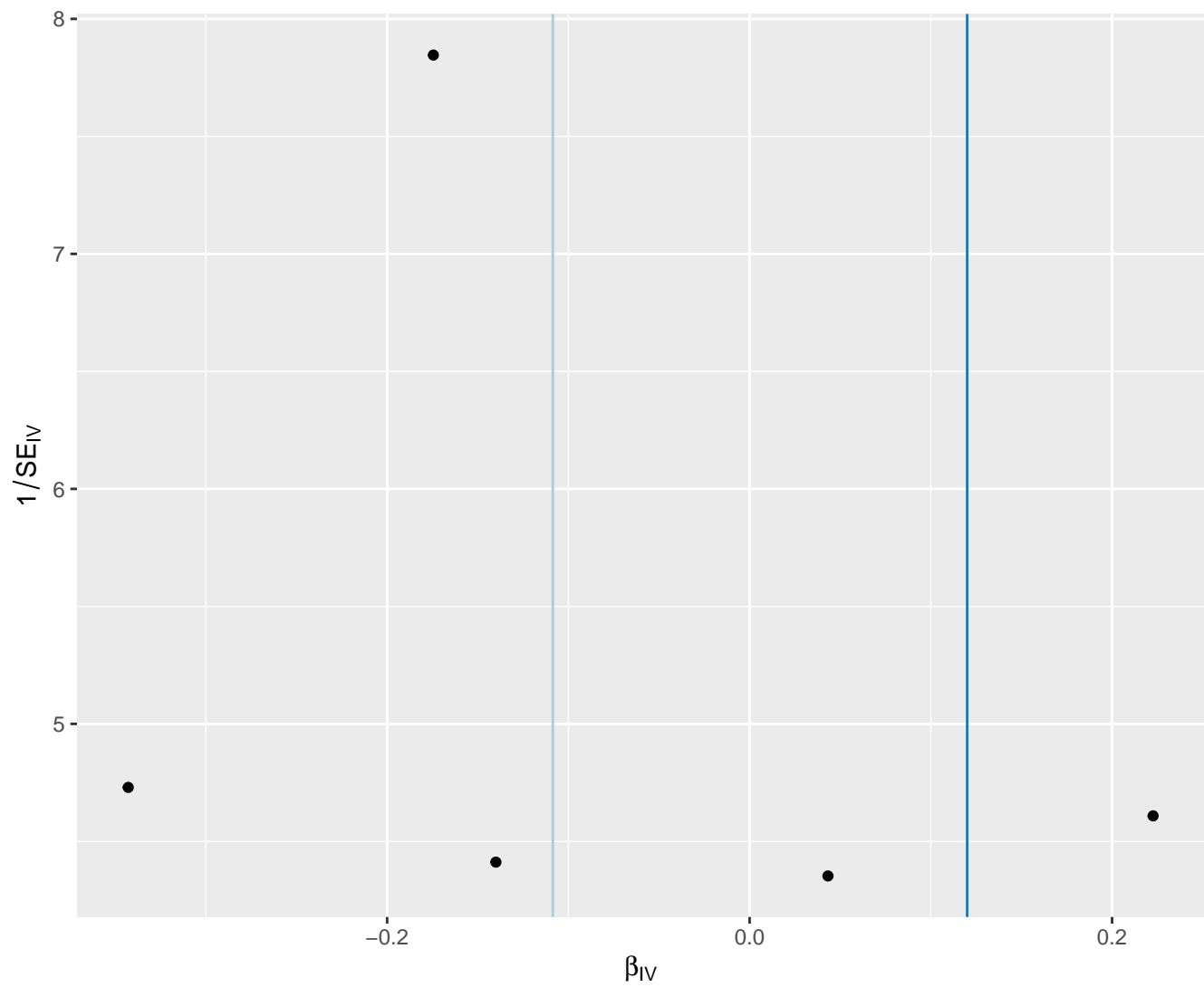
X-11538

MR Method



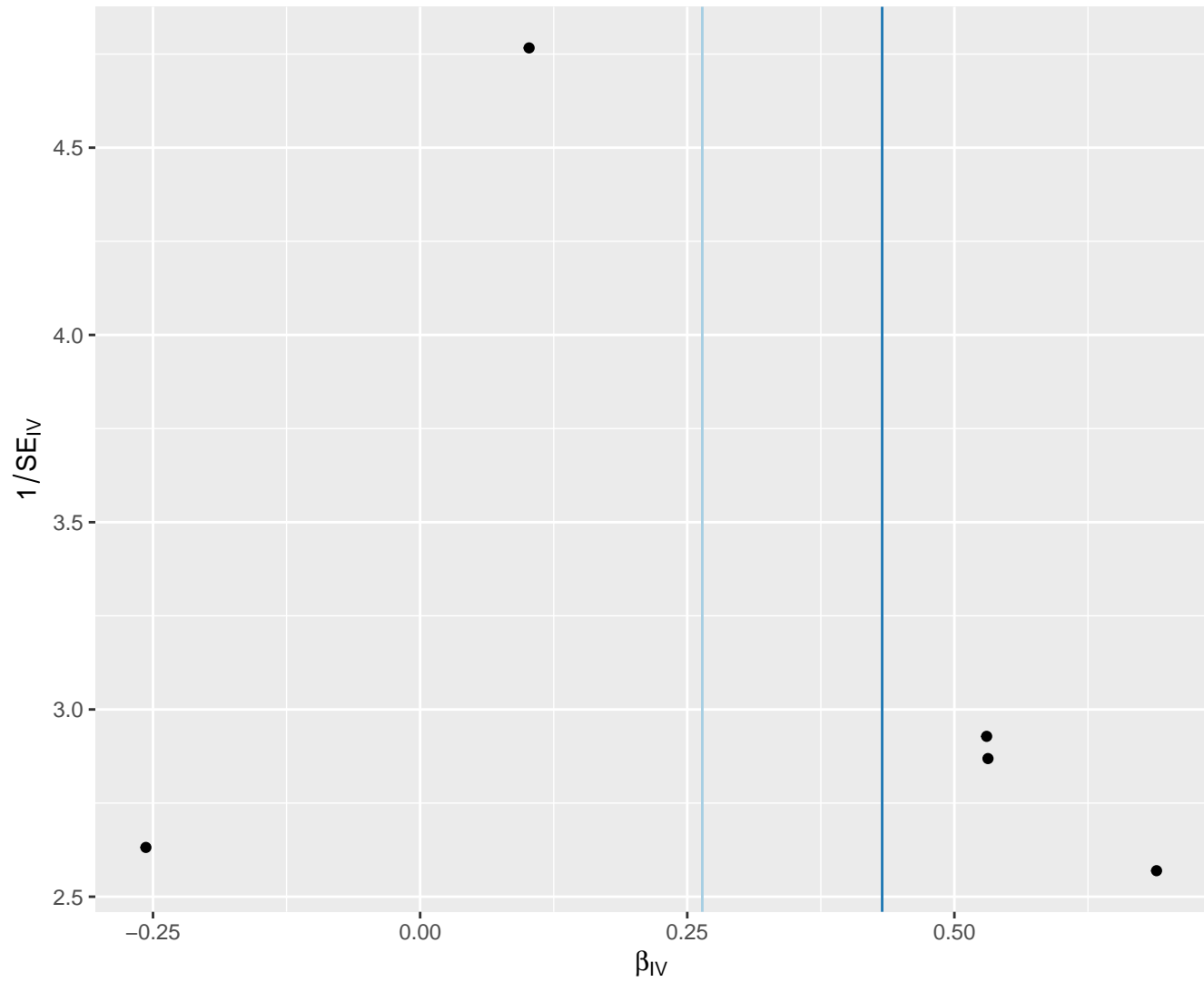
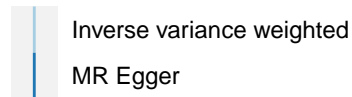
X-11540

MR Method



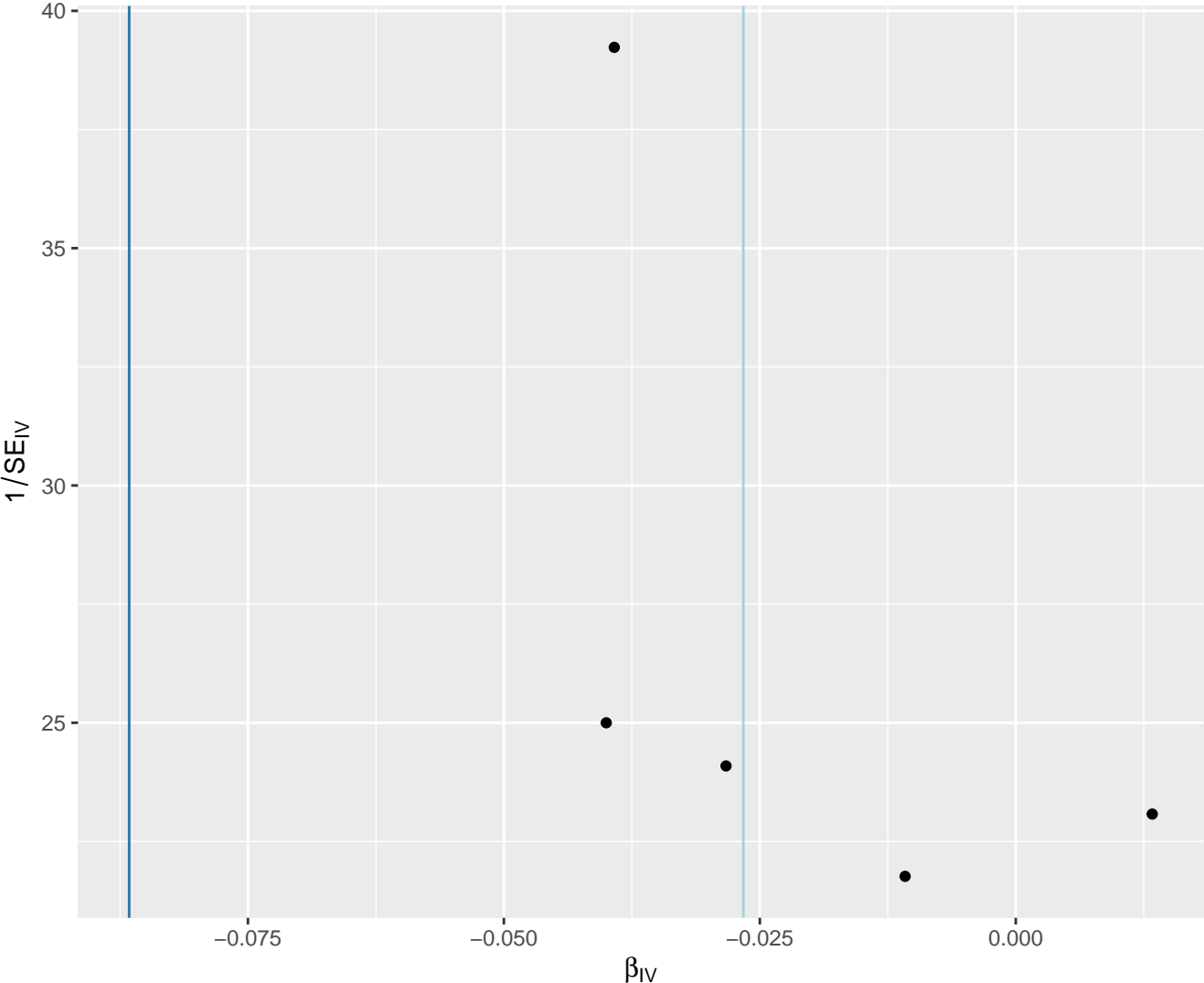
X-11546

MR Method



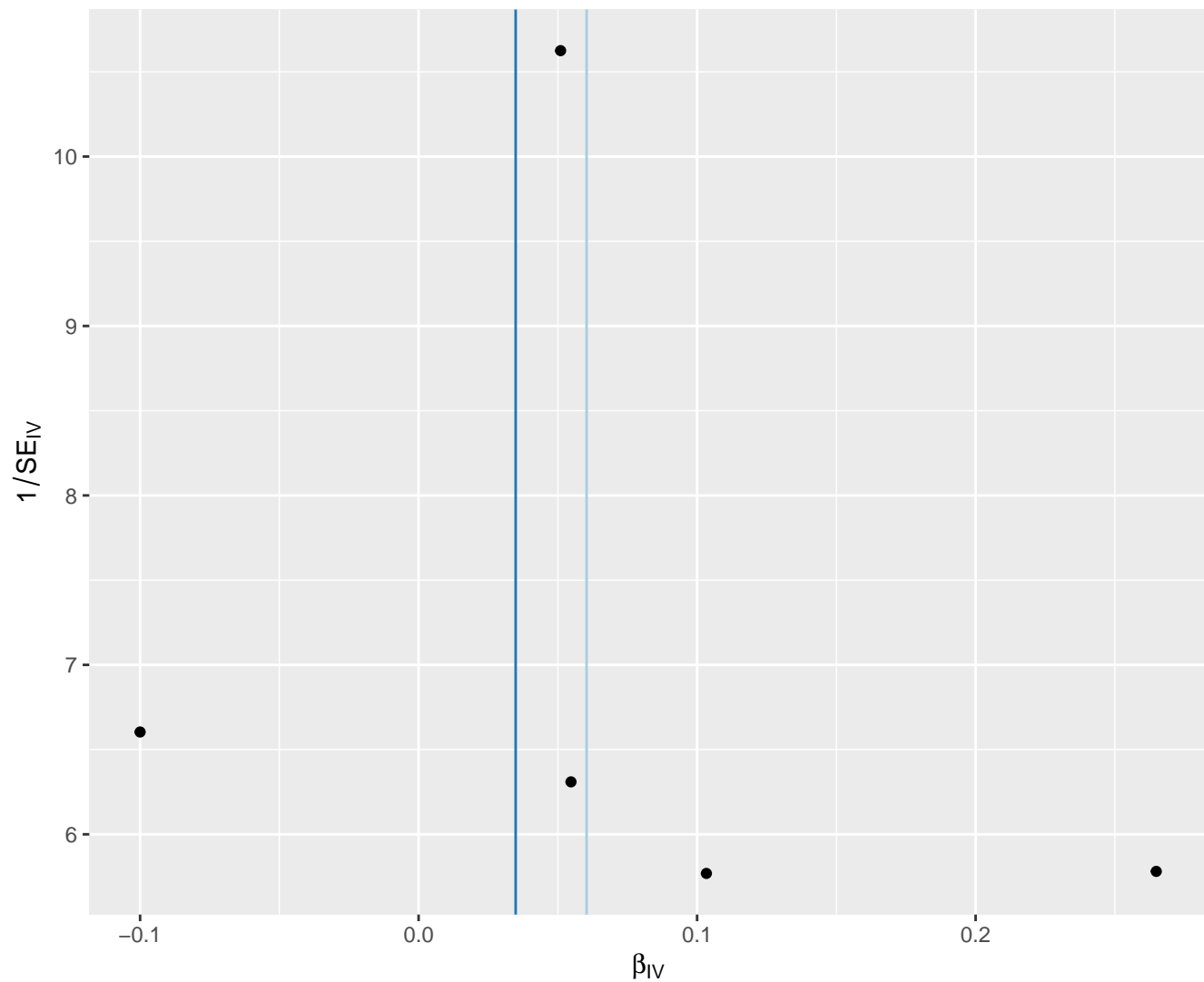
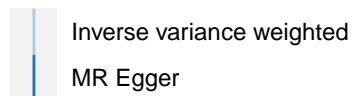
X-11550

MR Method



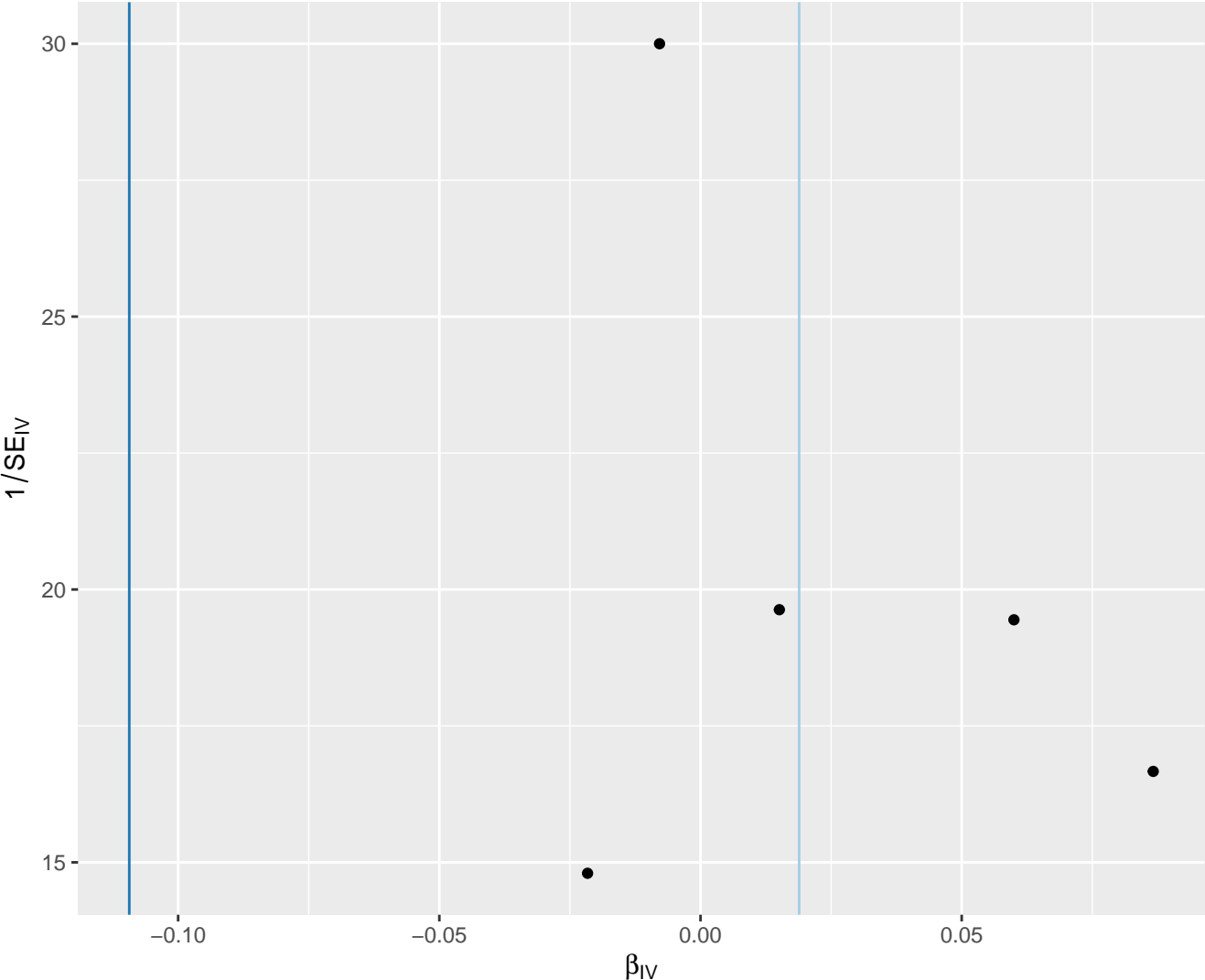
X-11552

MR Method

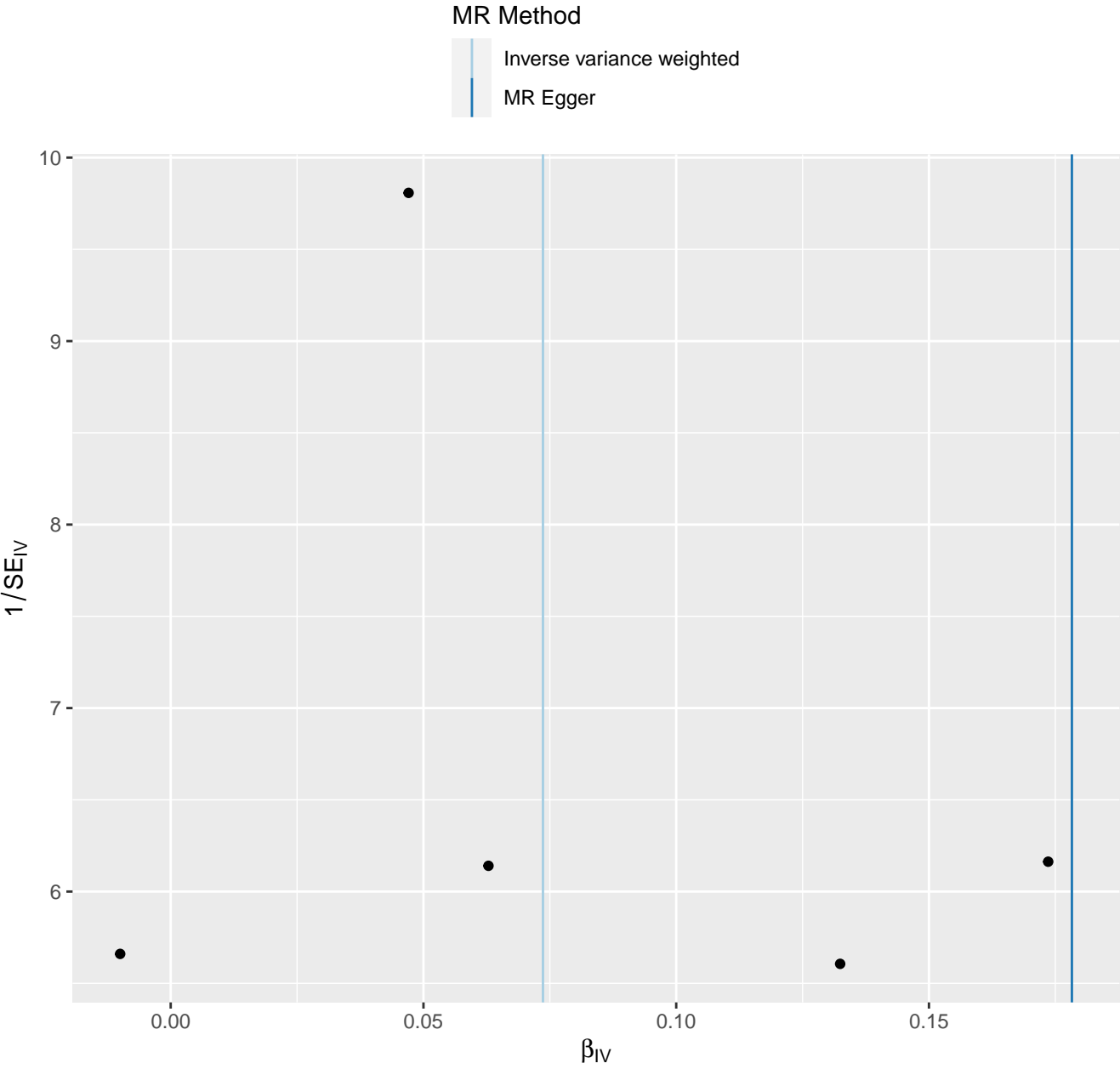


X-11593--O-methylascorbate\*

MR Method



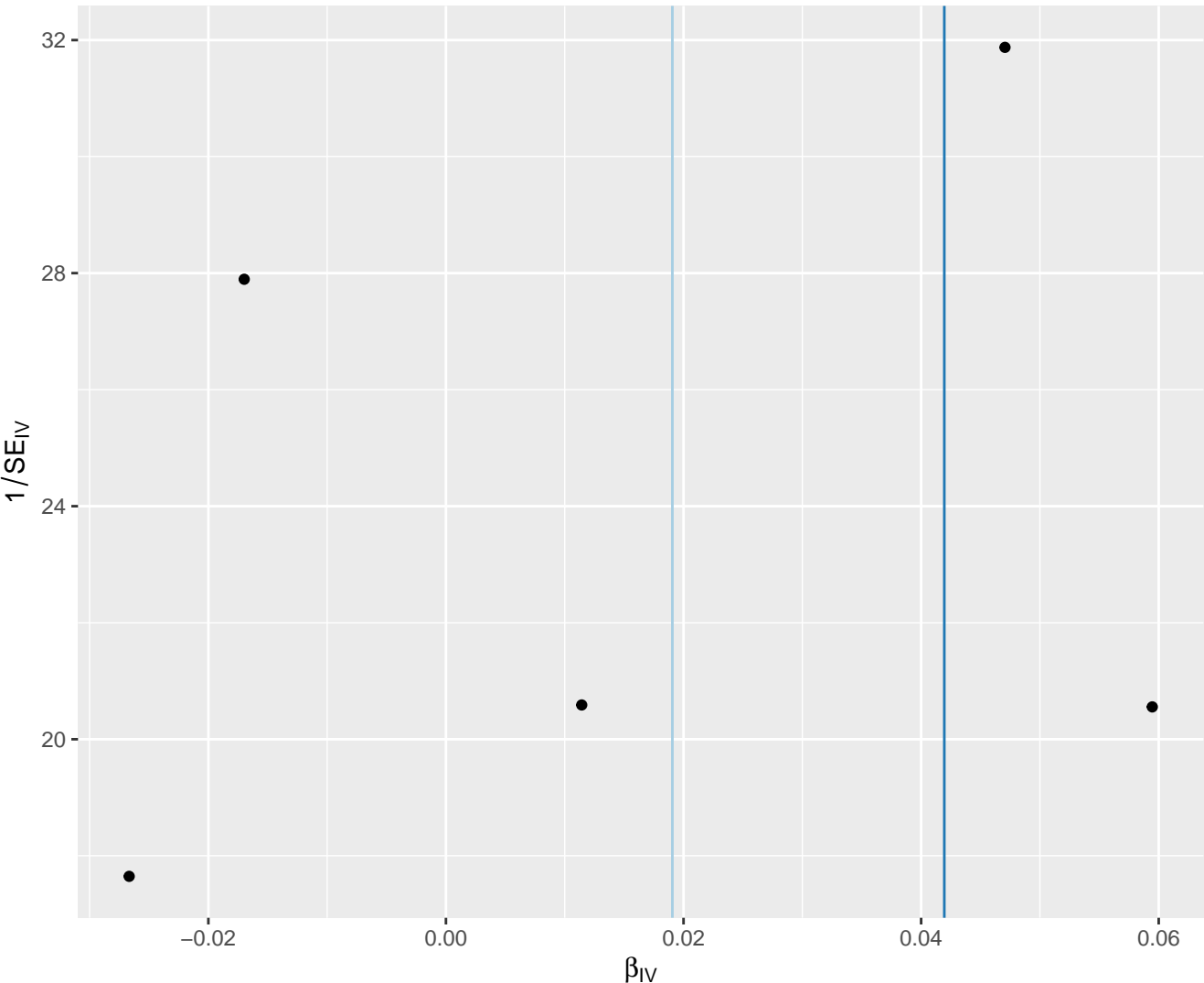
X-11786--methionine



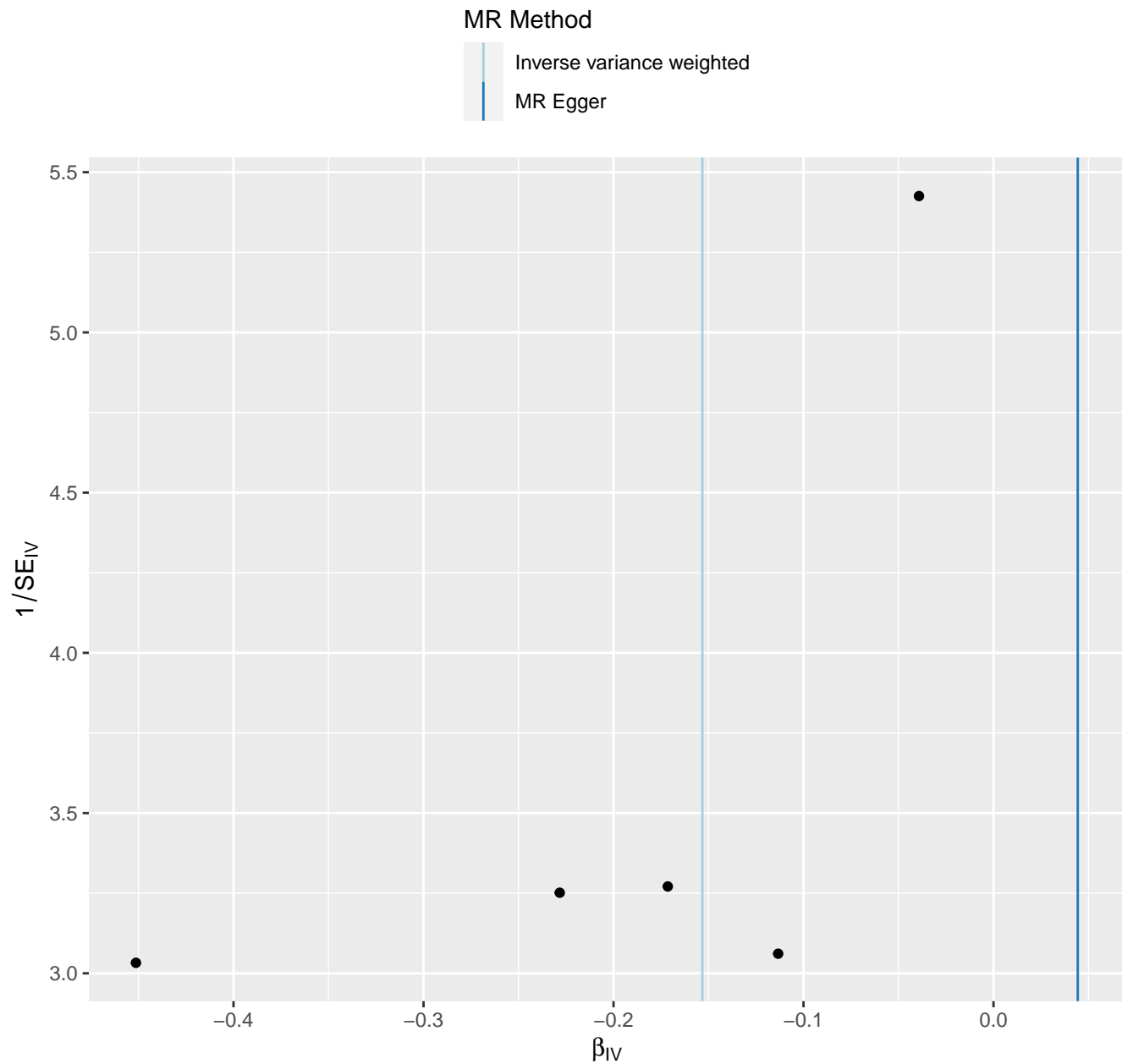


X-11787

MR Method

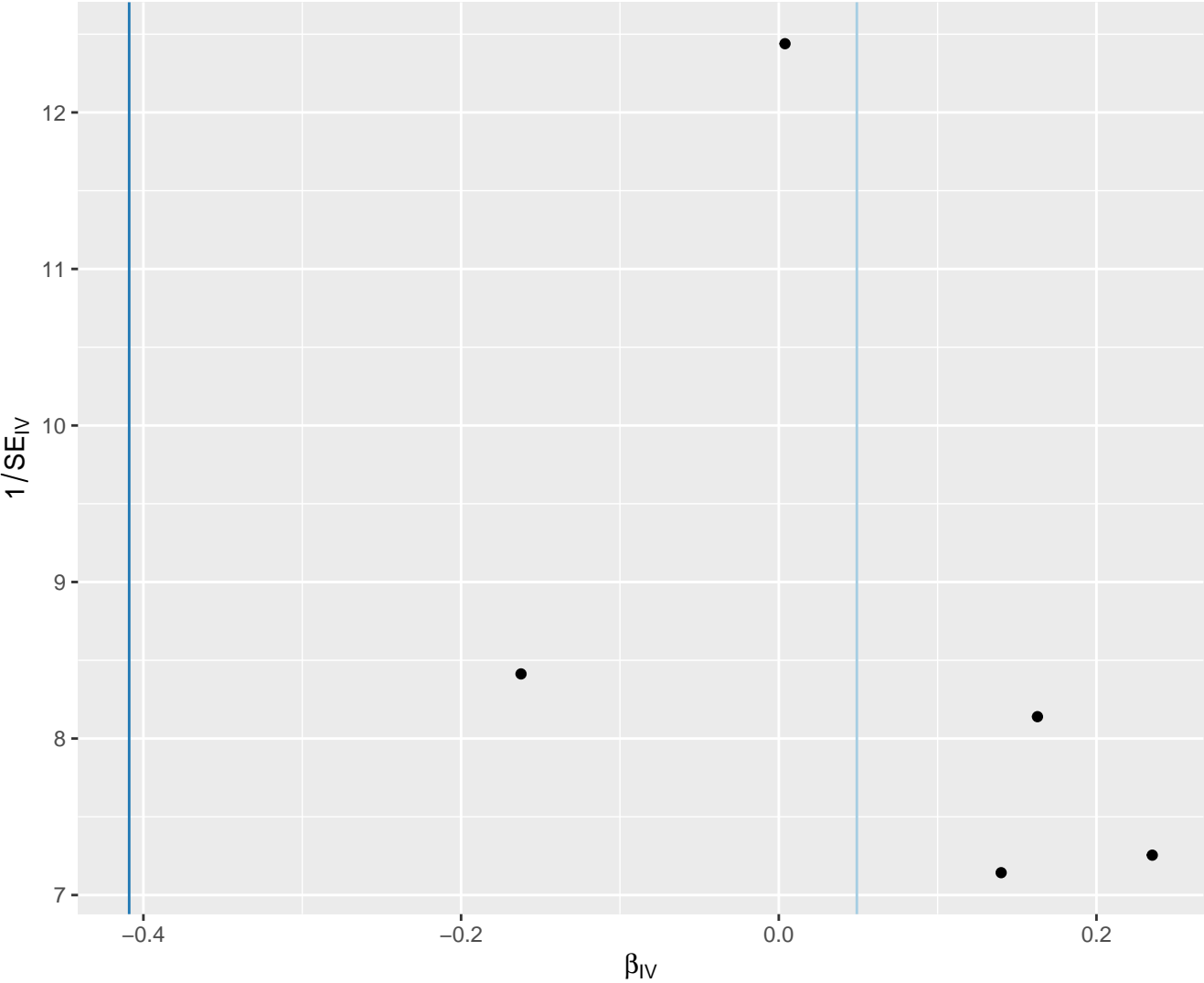


X-11792



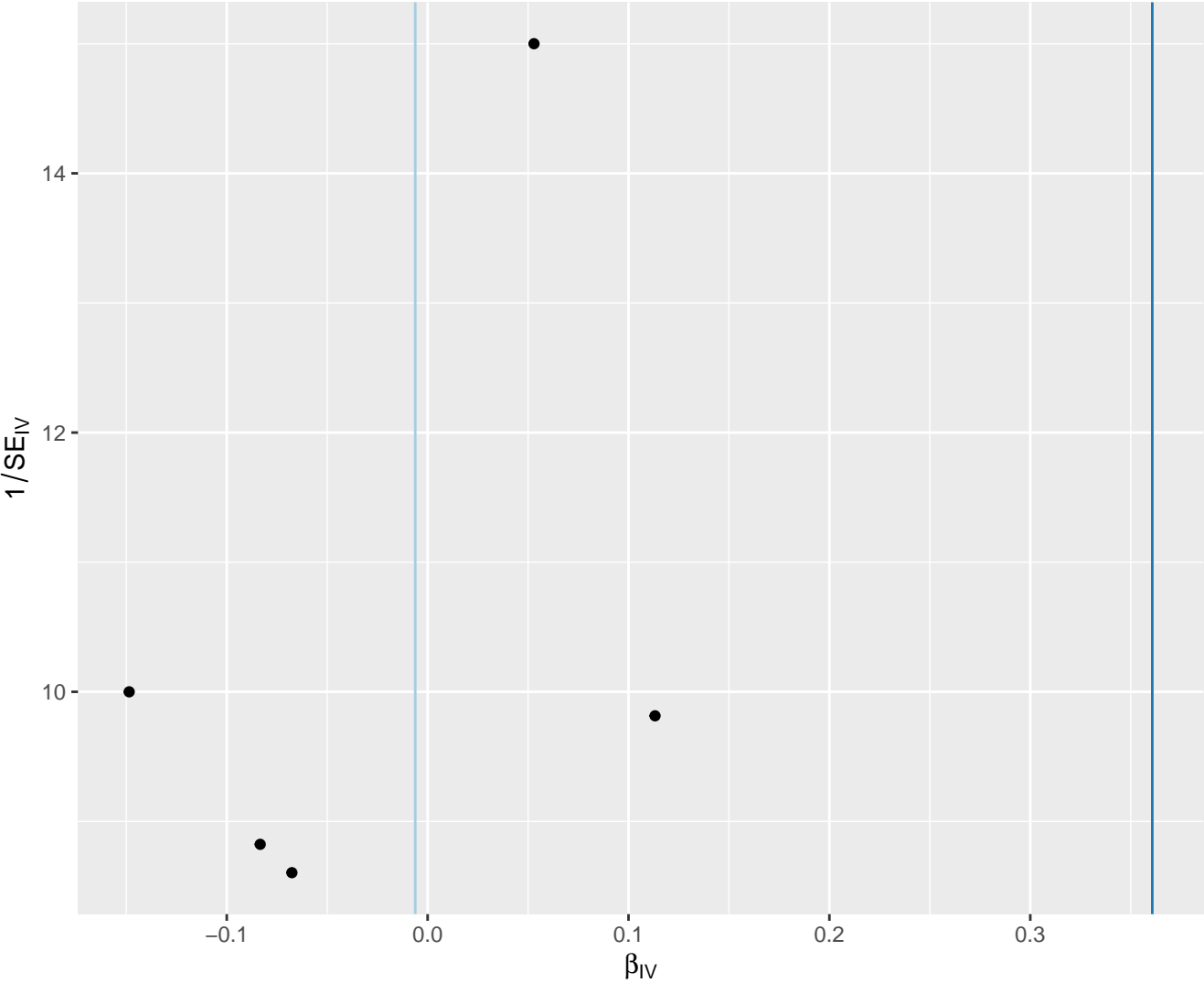
X-11793--oxidized bilirubin\*

MR Method



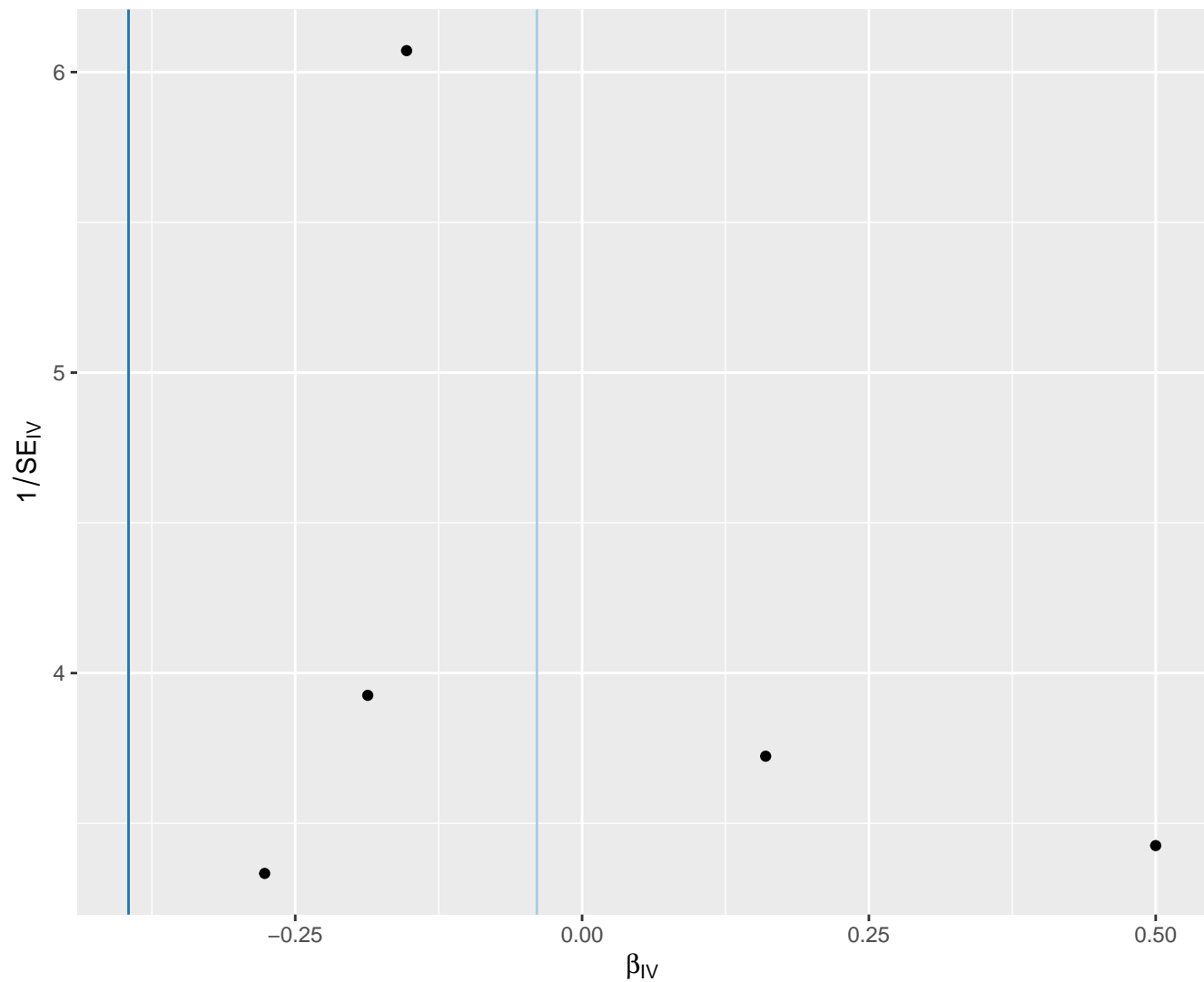
X-11795

MR Method



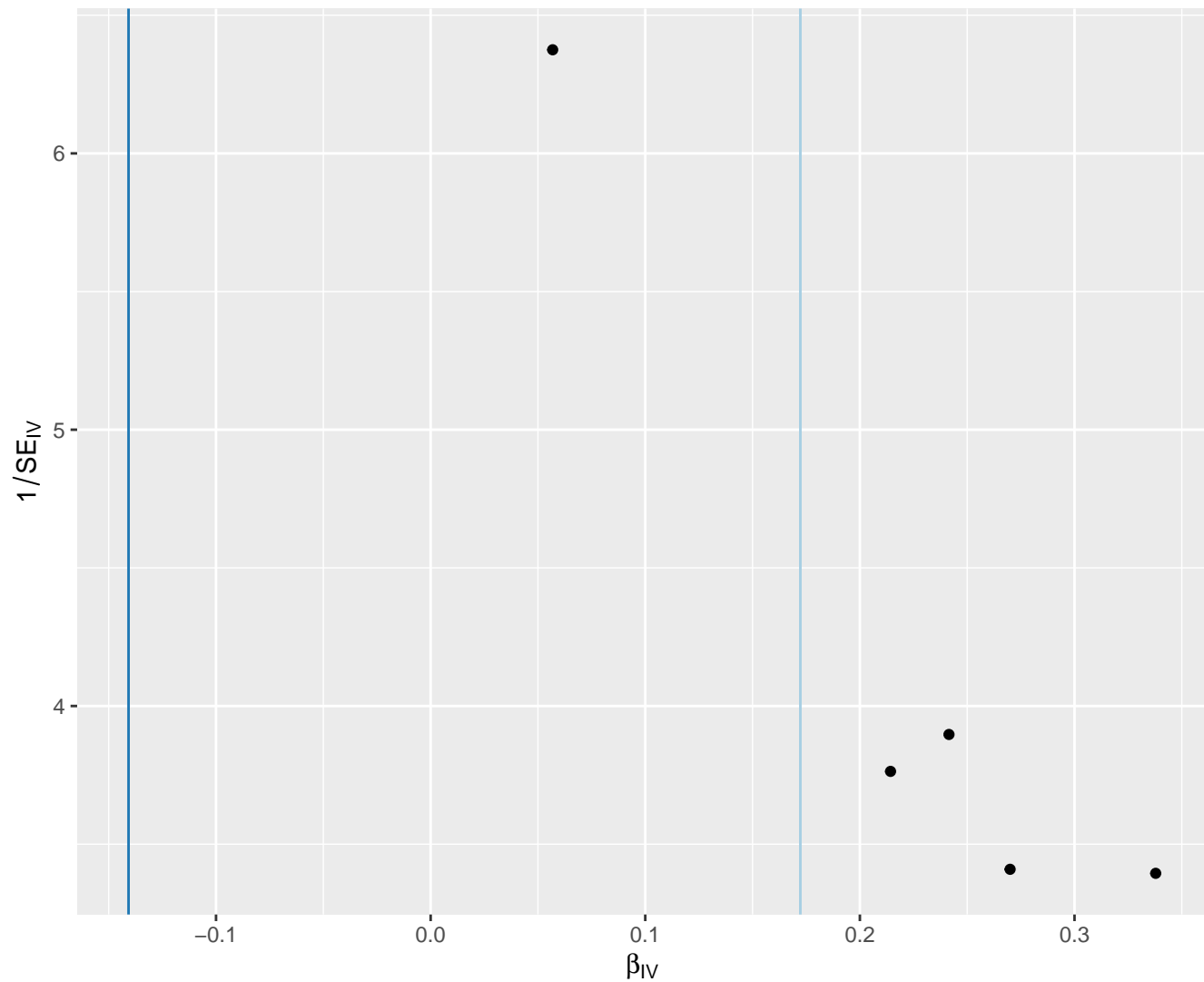
X-11799

MR Method



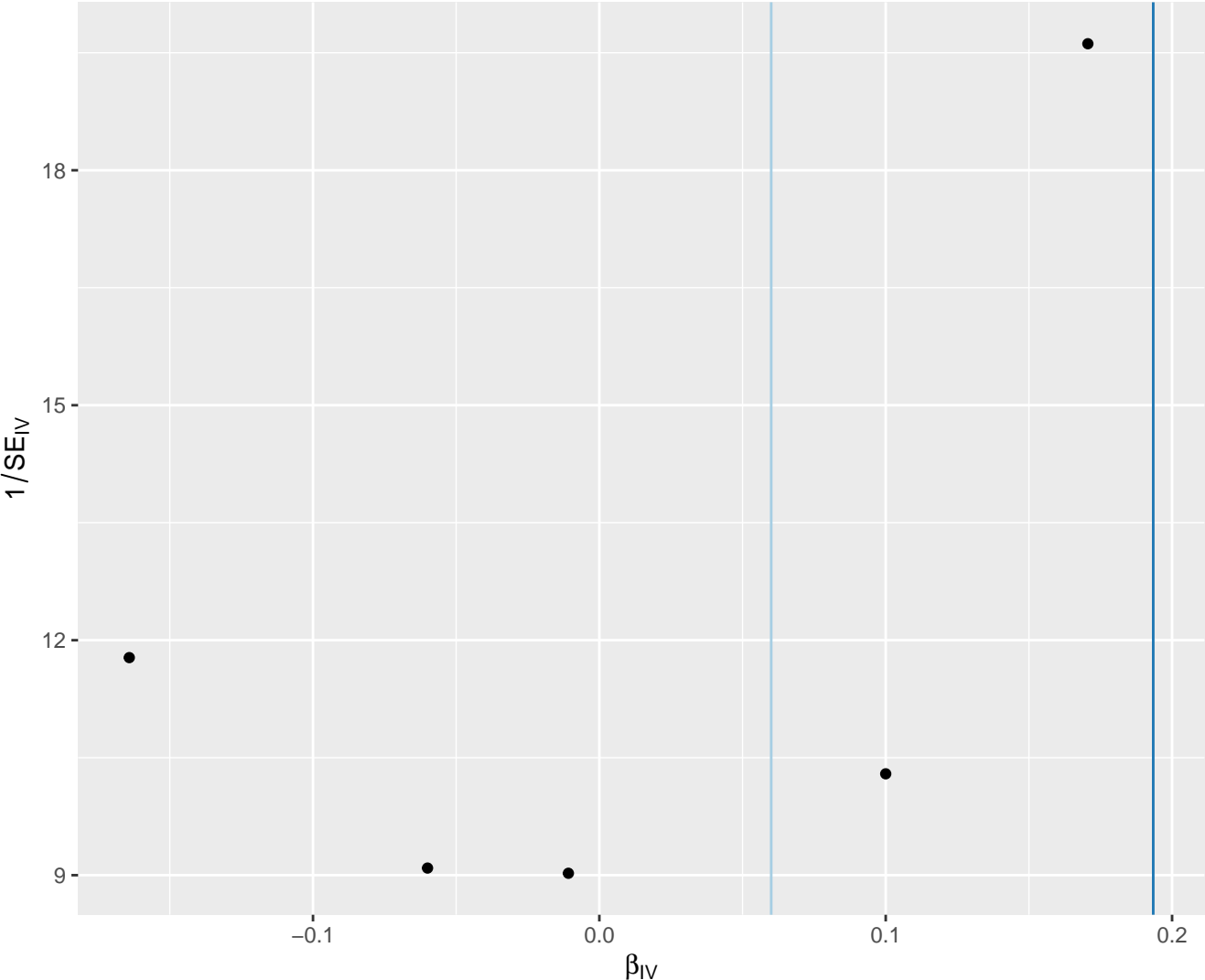
X-11805

MR Method

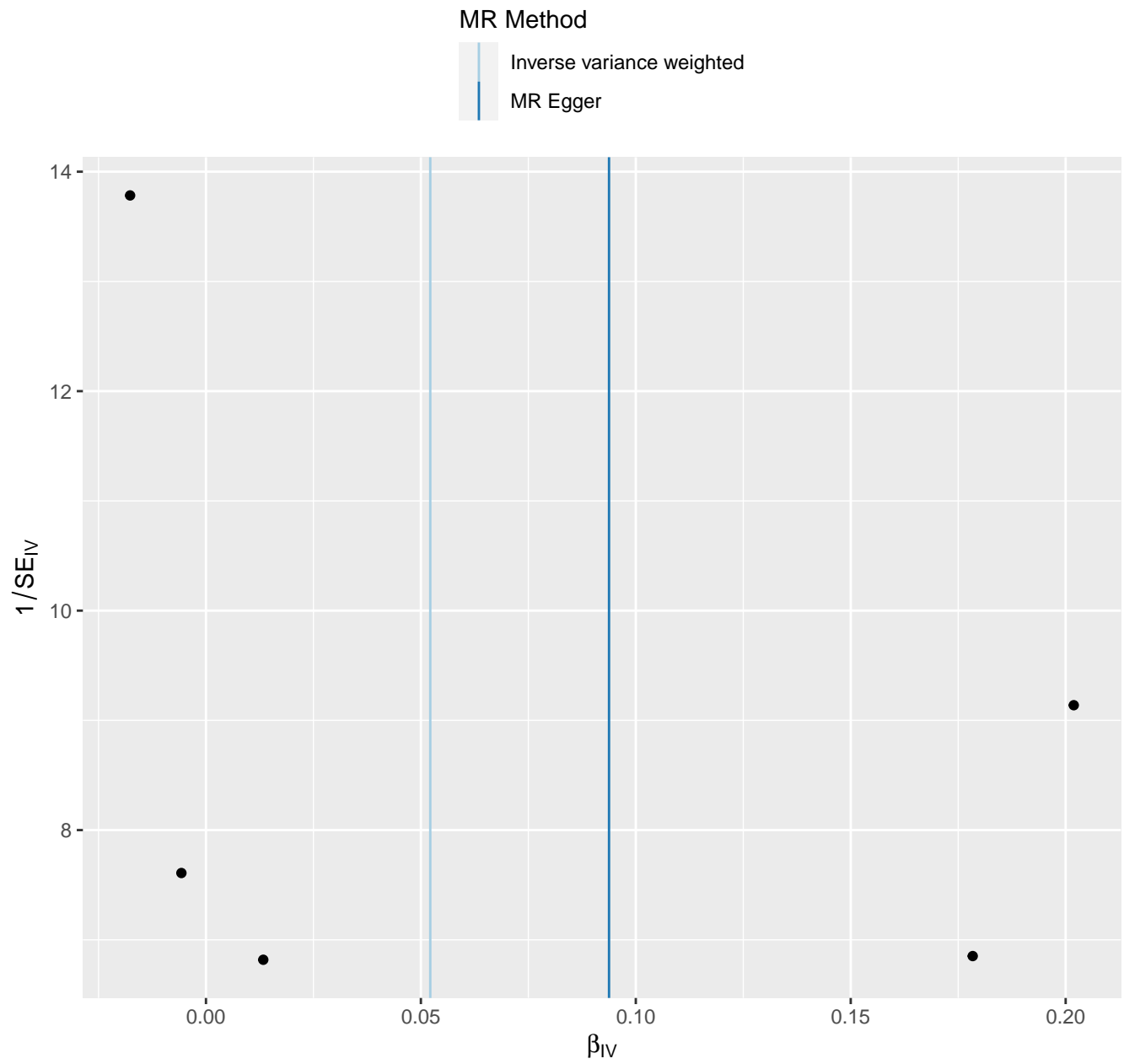


X-11818

MR Method



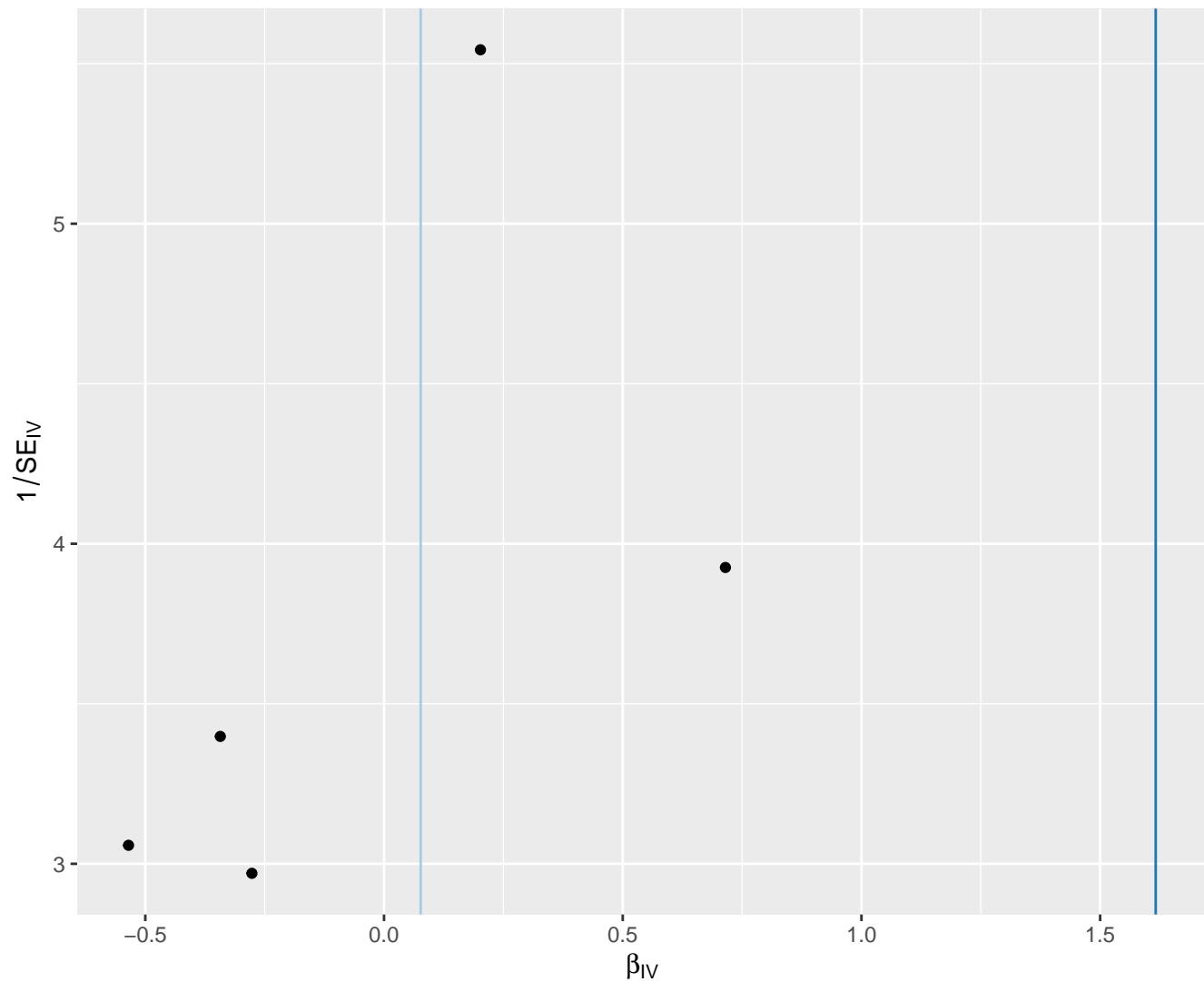
X-11820





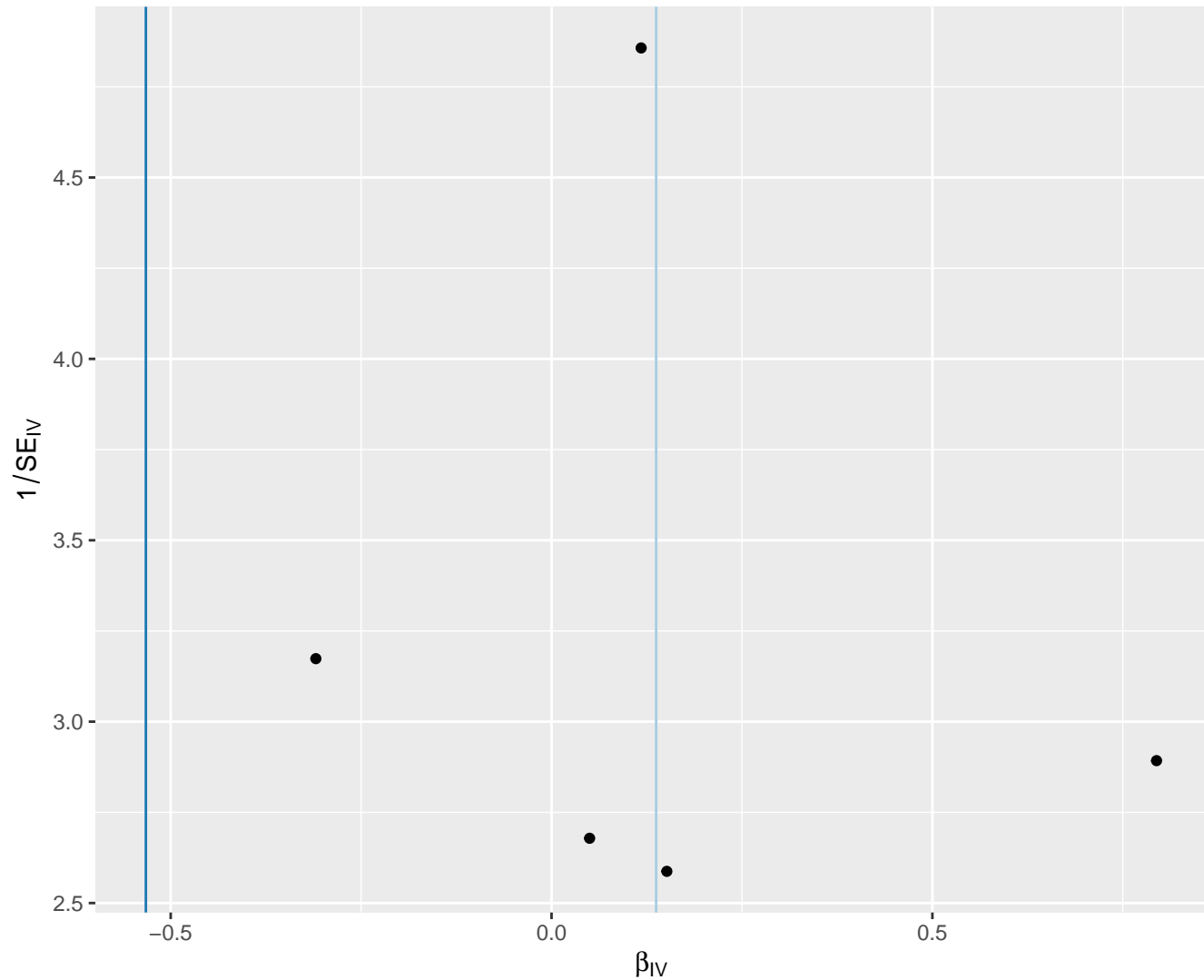
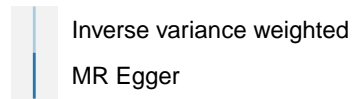
X-11843

MR Method



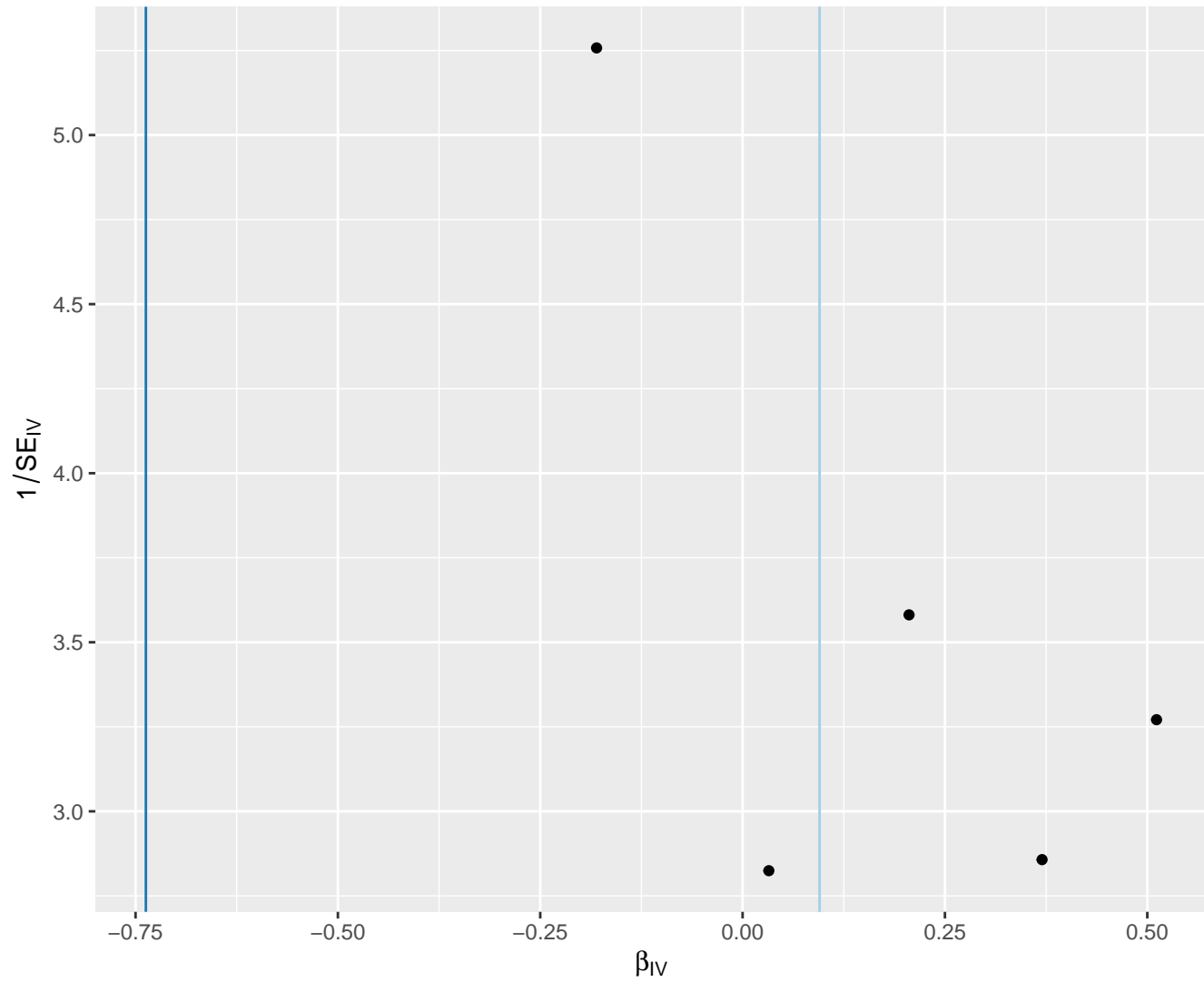
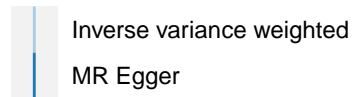
X-11845

MR Method

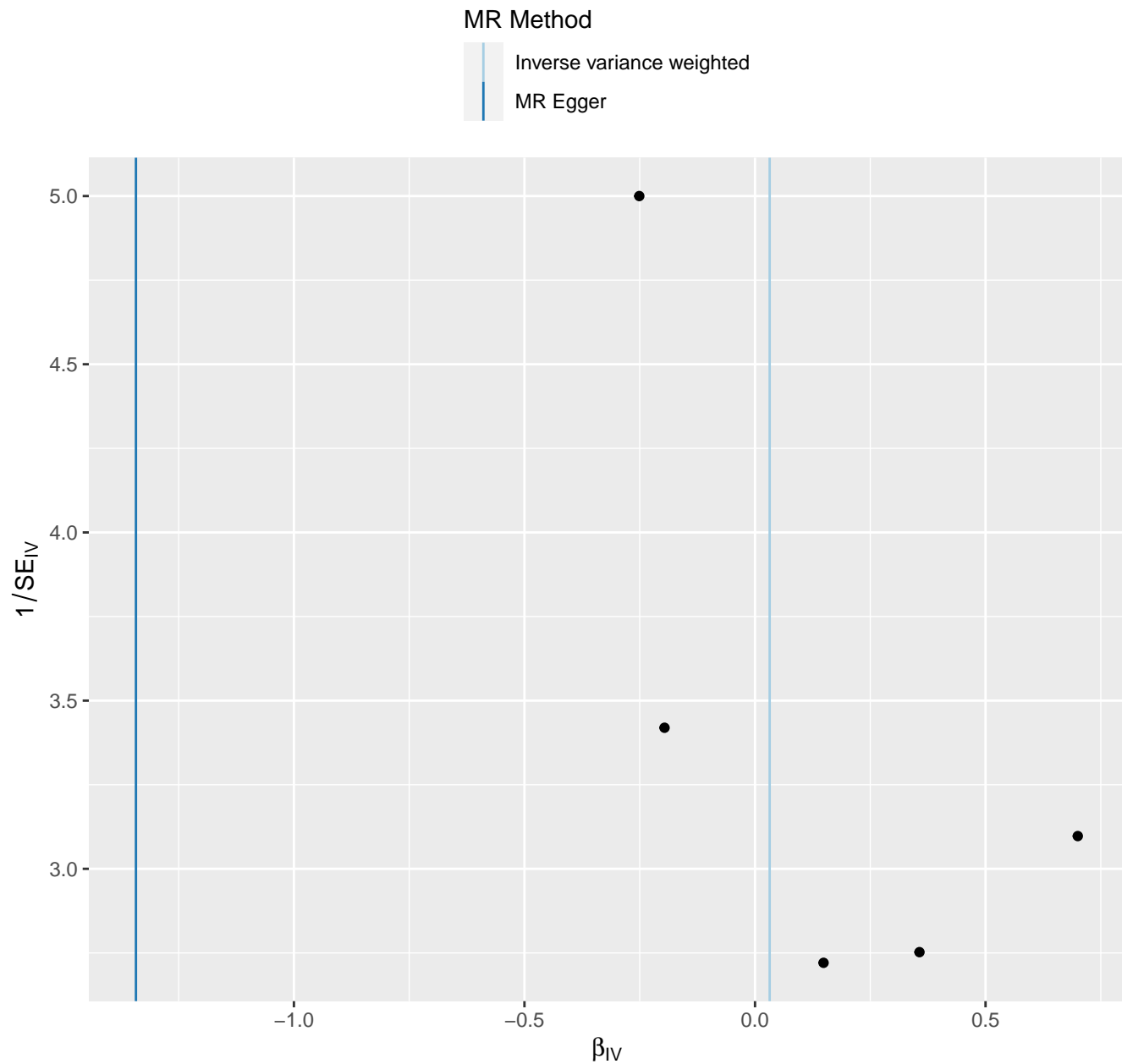


X-11847

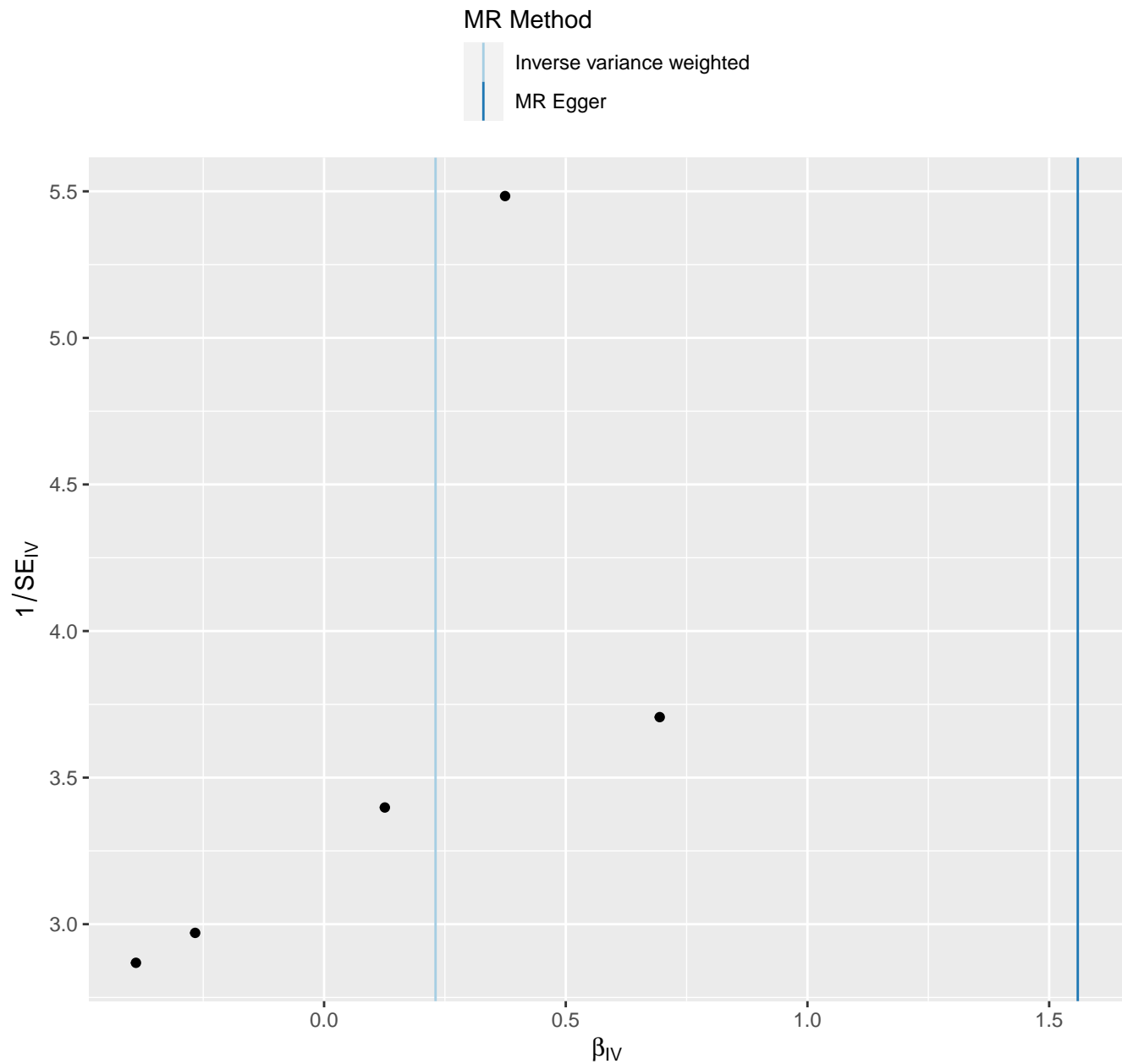
MR Method



X-11849

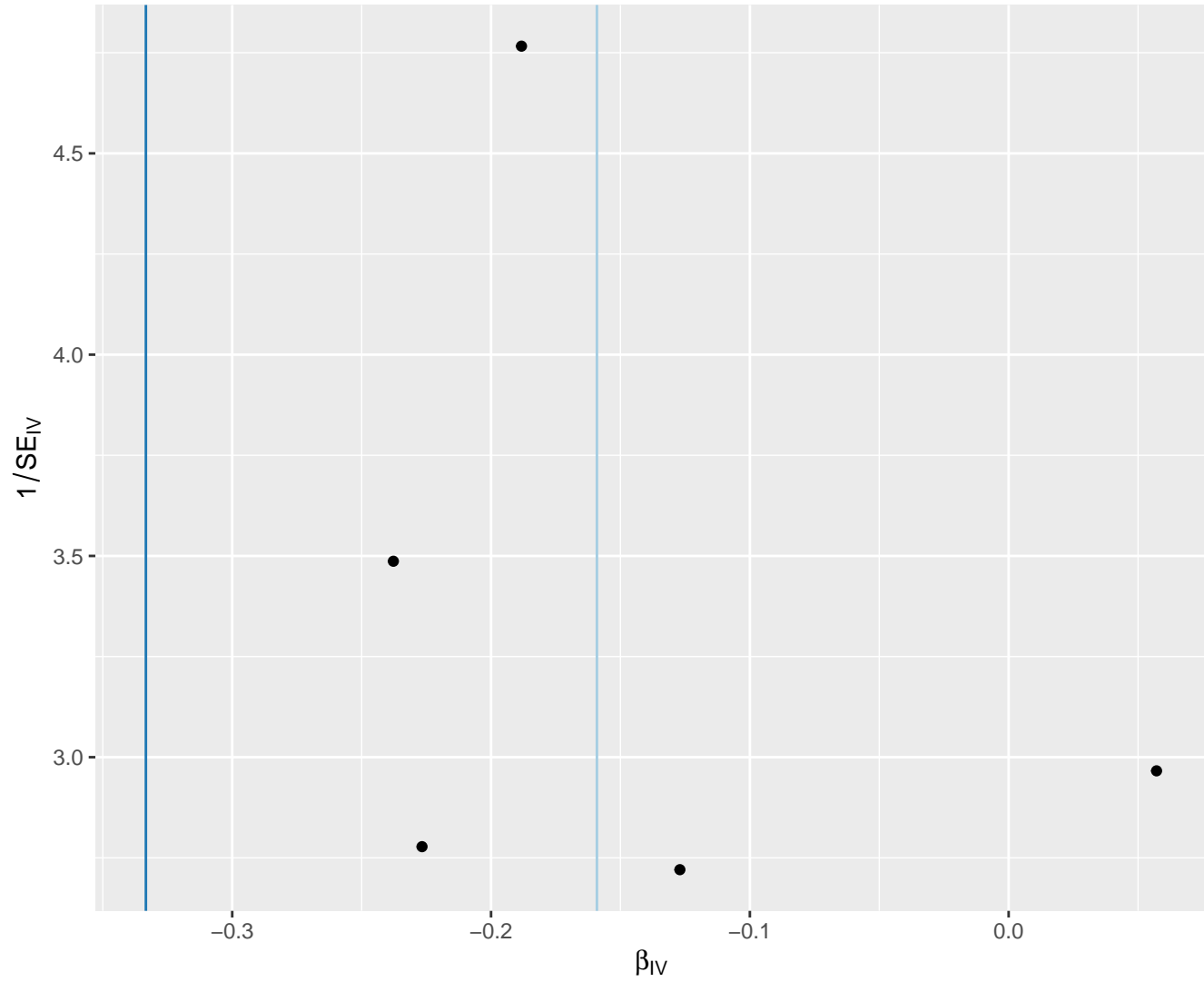
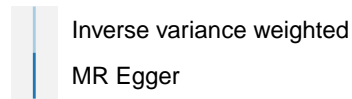


X-11850



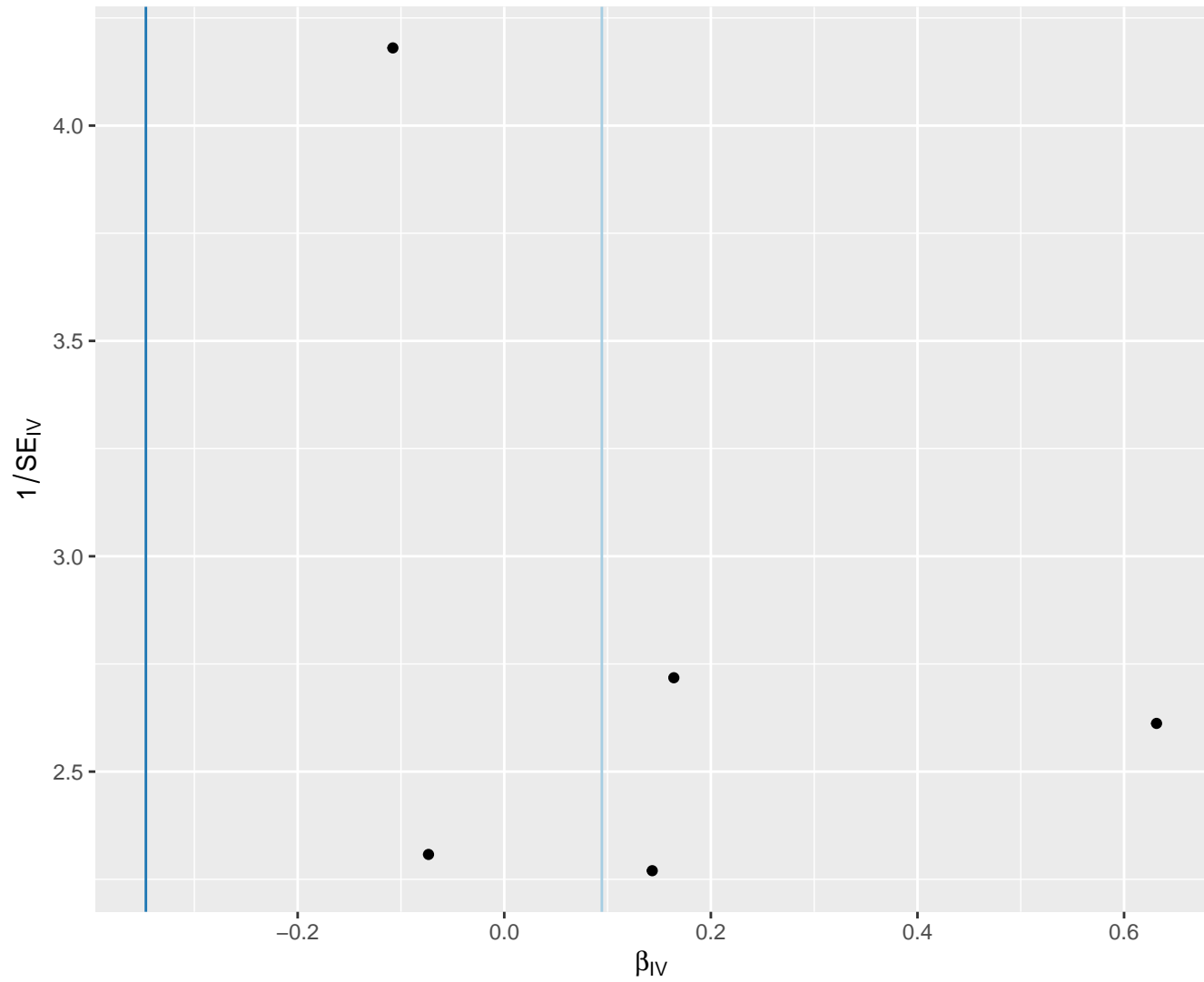
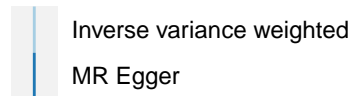
X-11852

MR Method



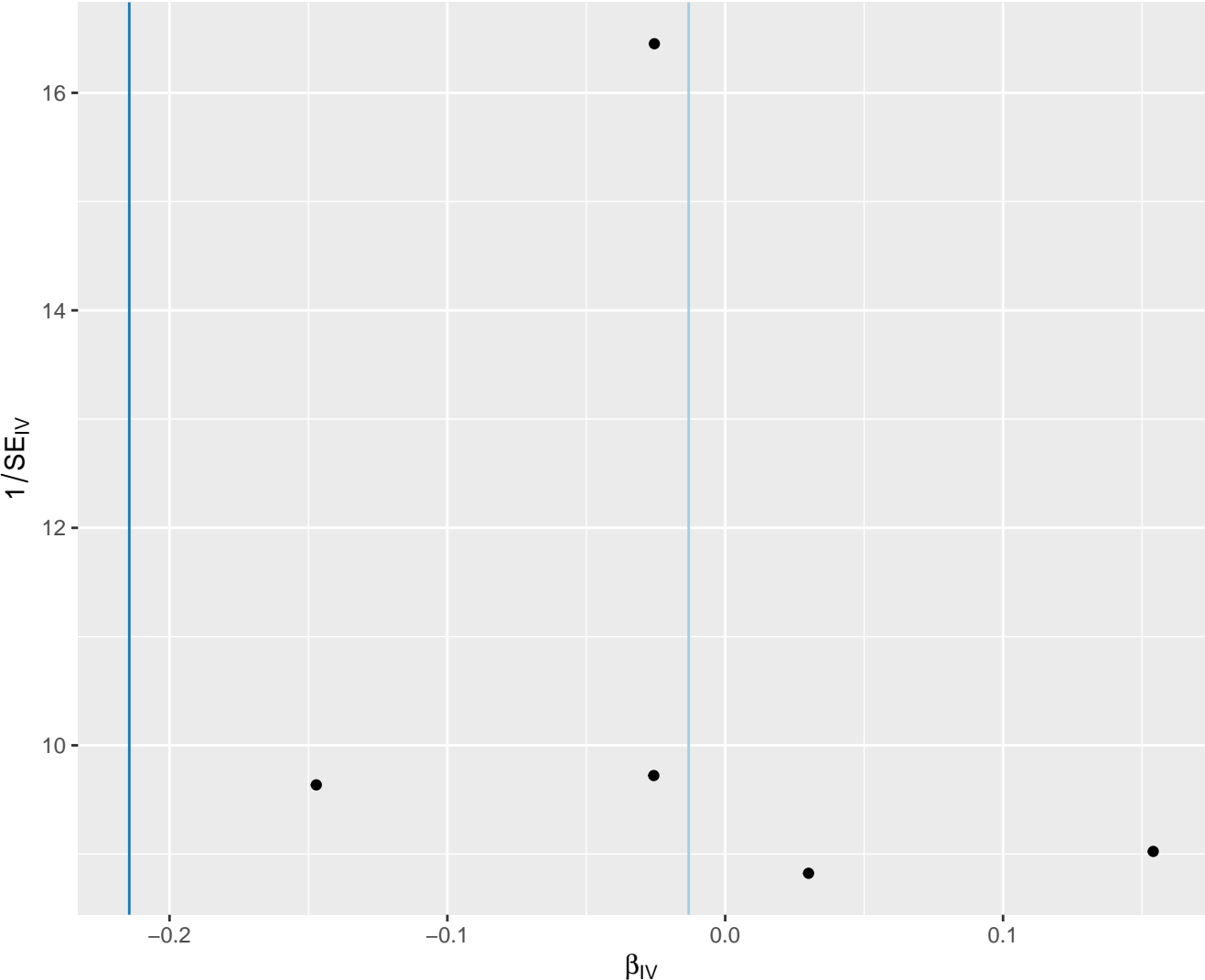
X-11858

MR Method



X-11859

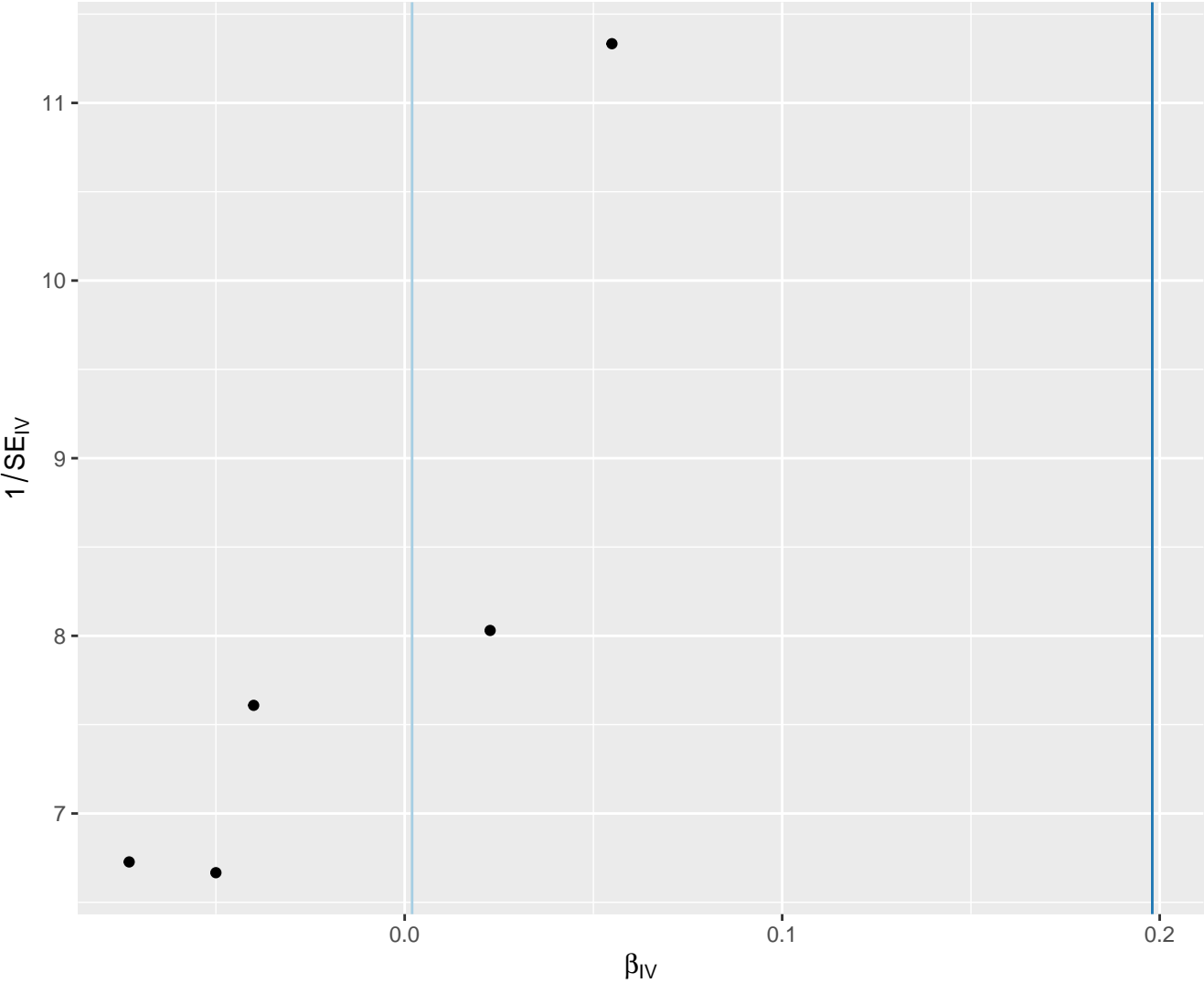
MR Method





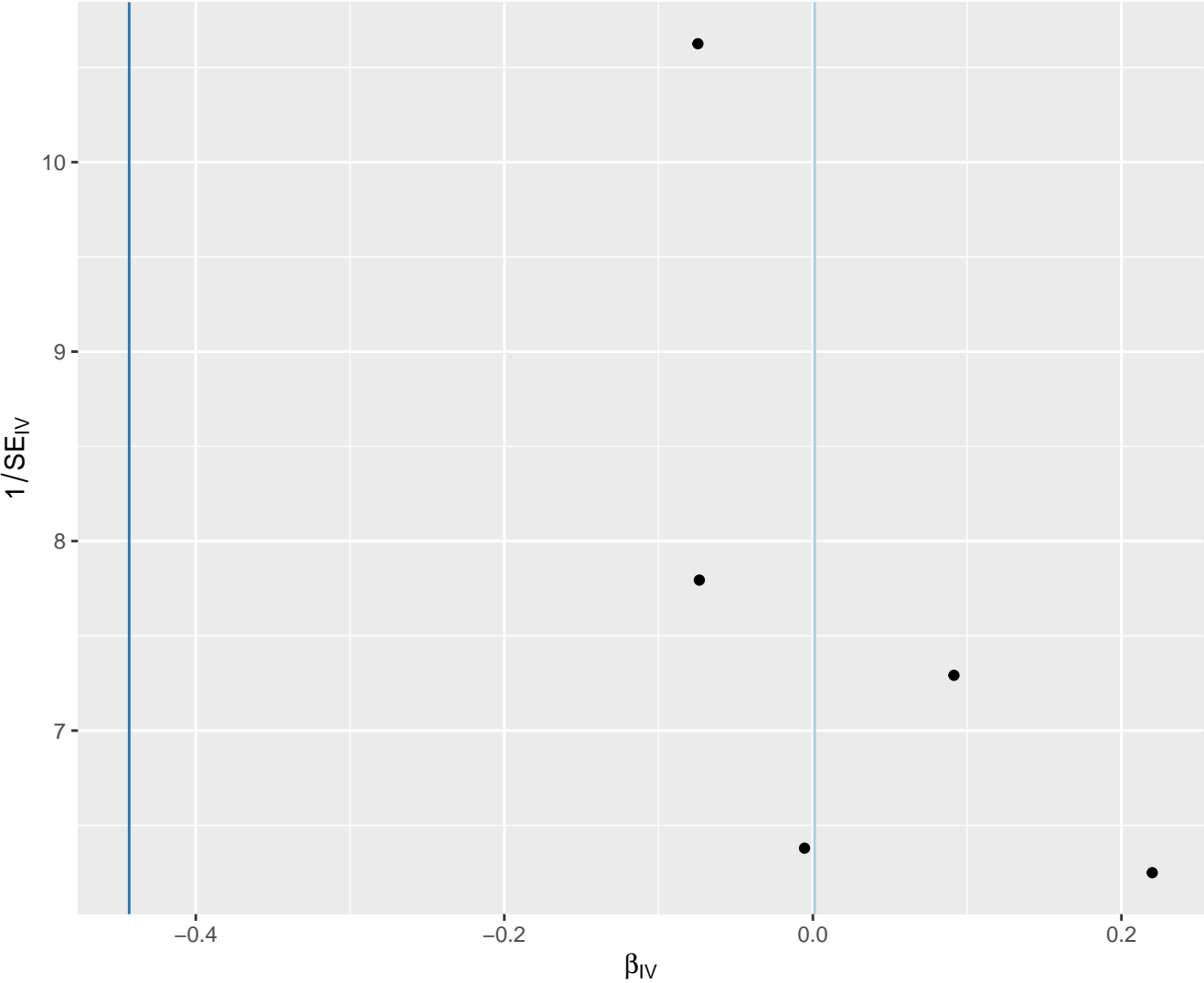
X-11876

MR Method



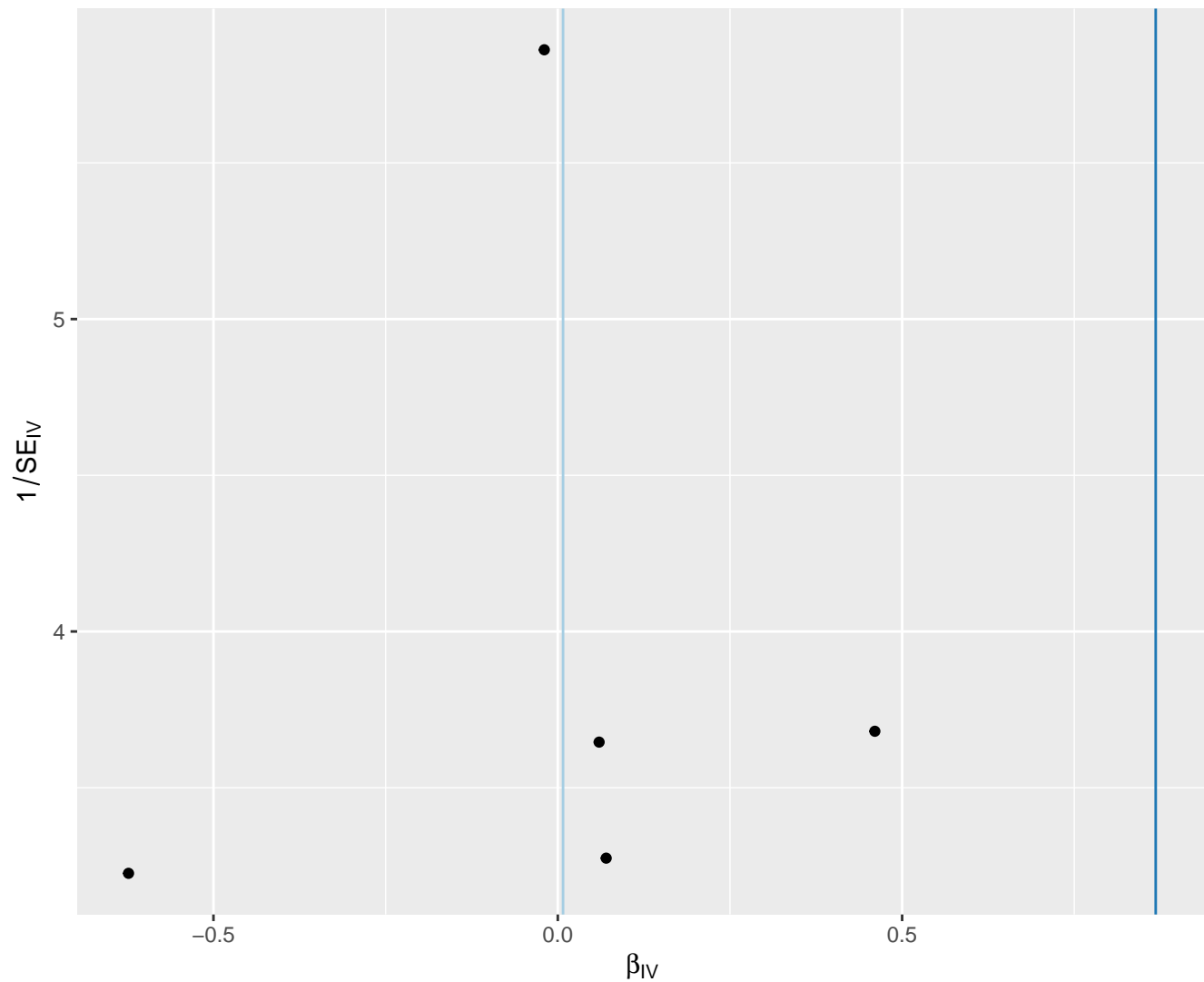
X-11905

MR Method



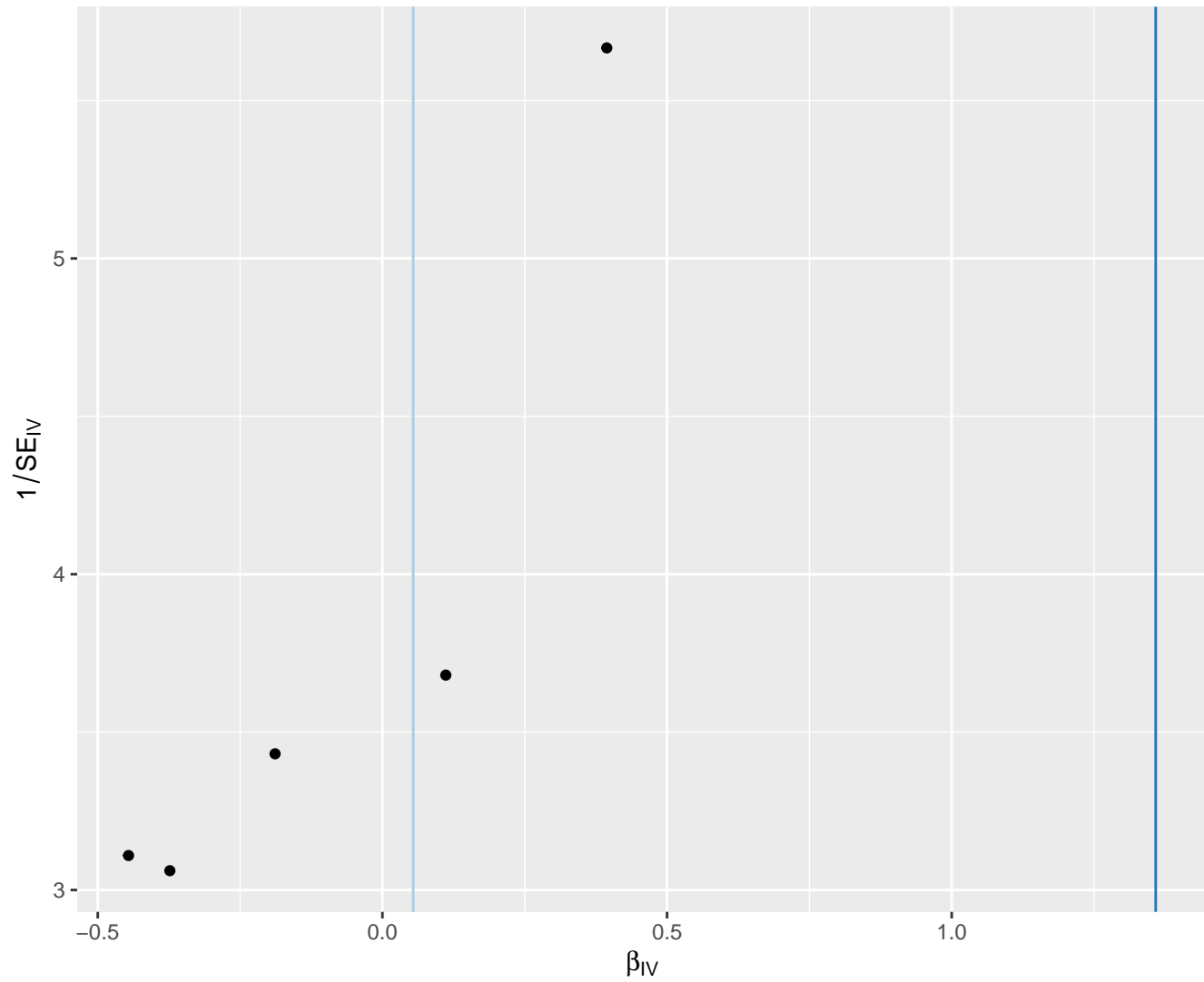
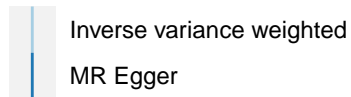
X-12007

MR Method



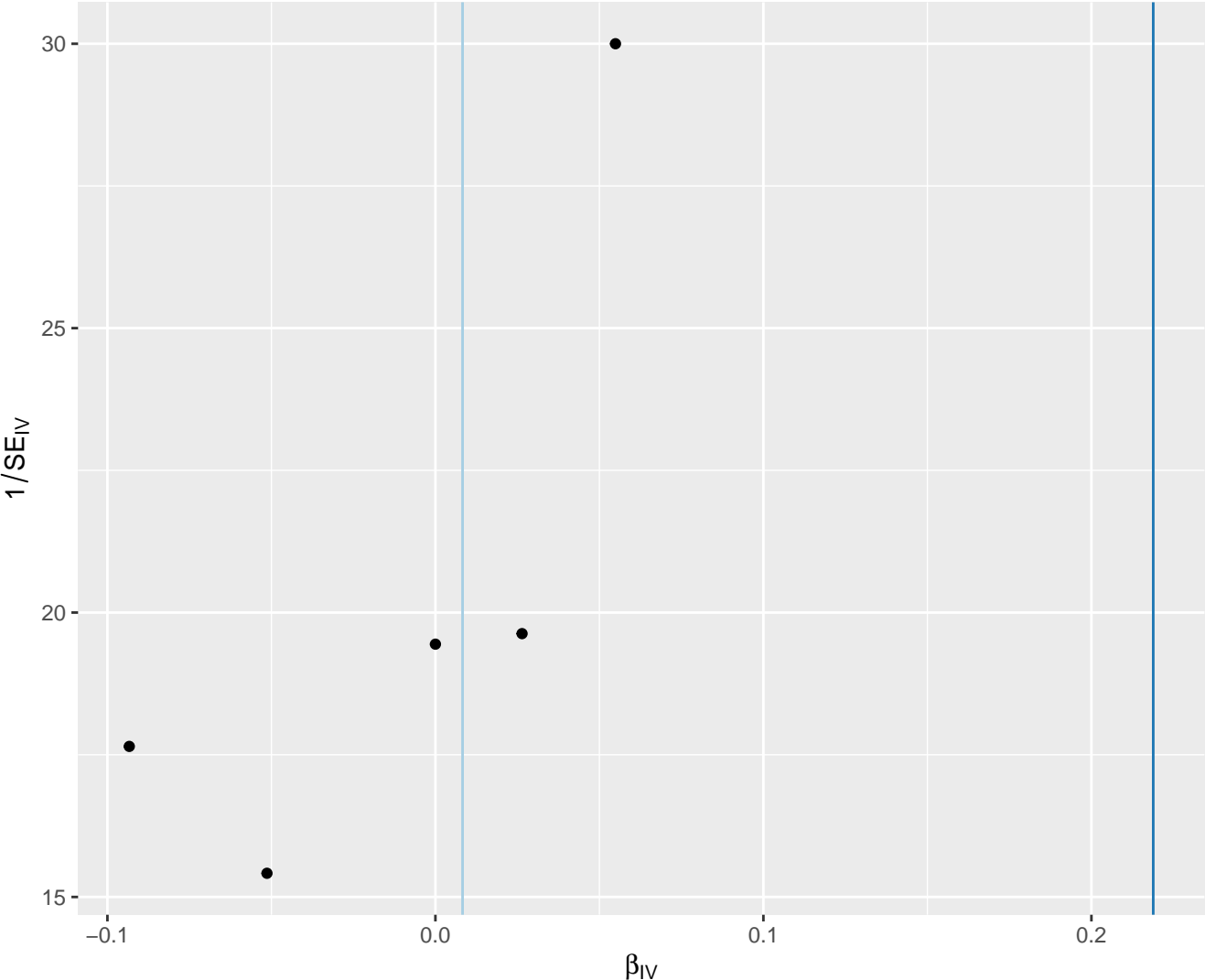
X-12013

MR Method



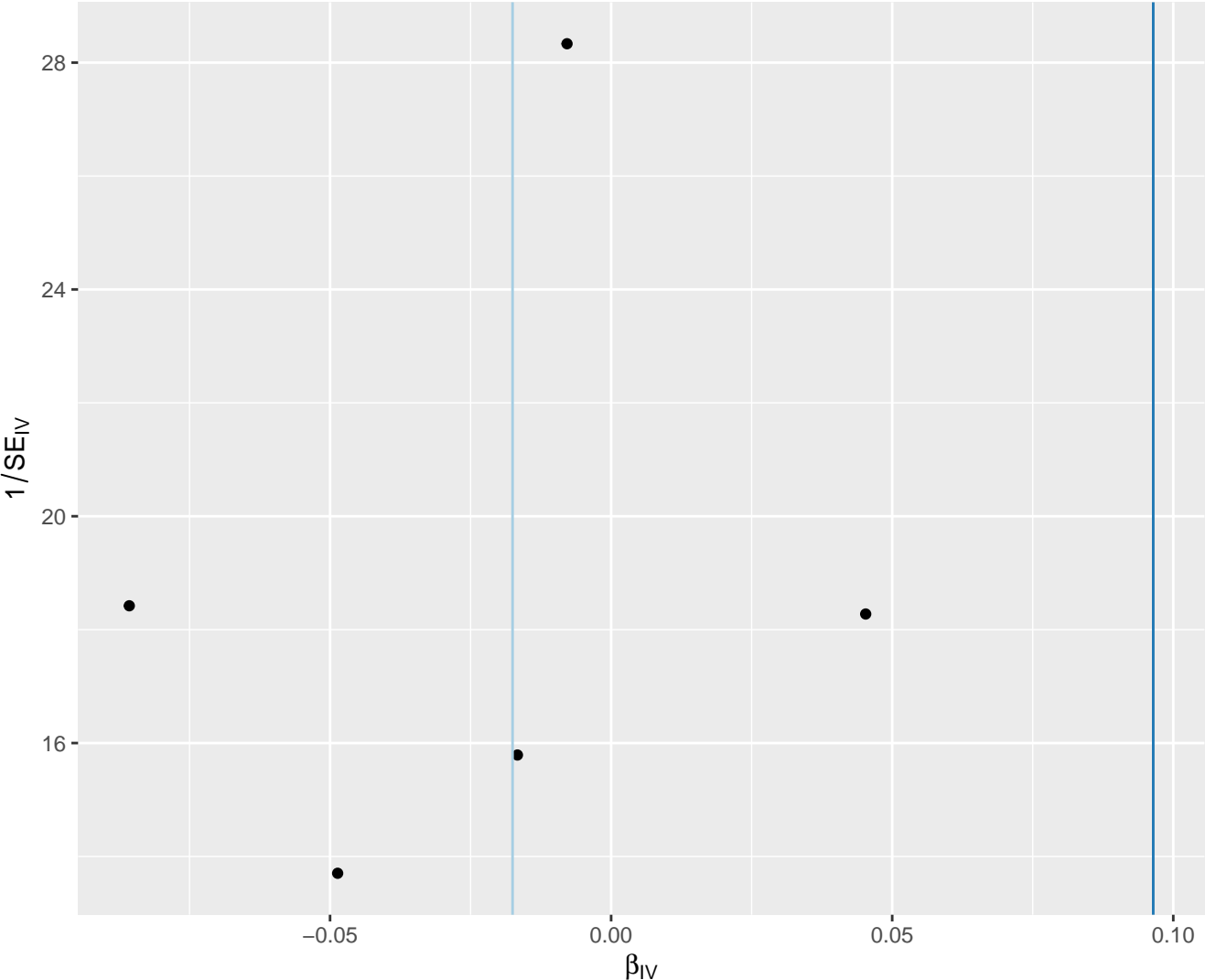
X-12029

MR Method



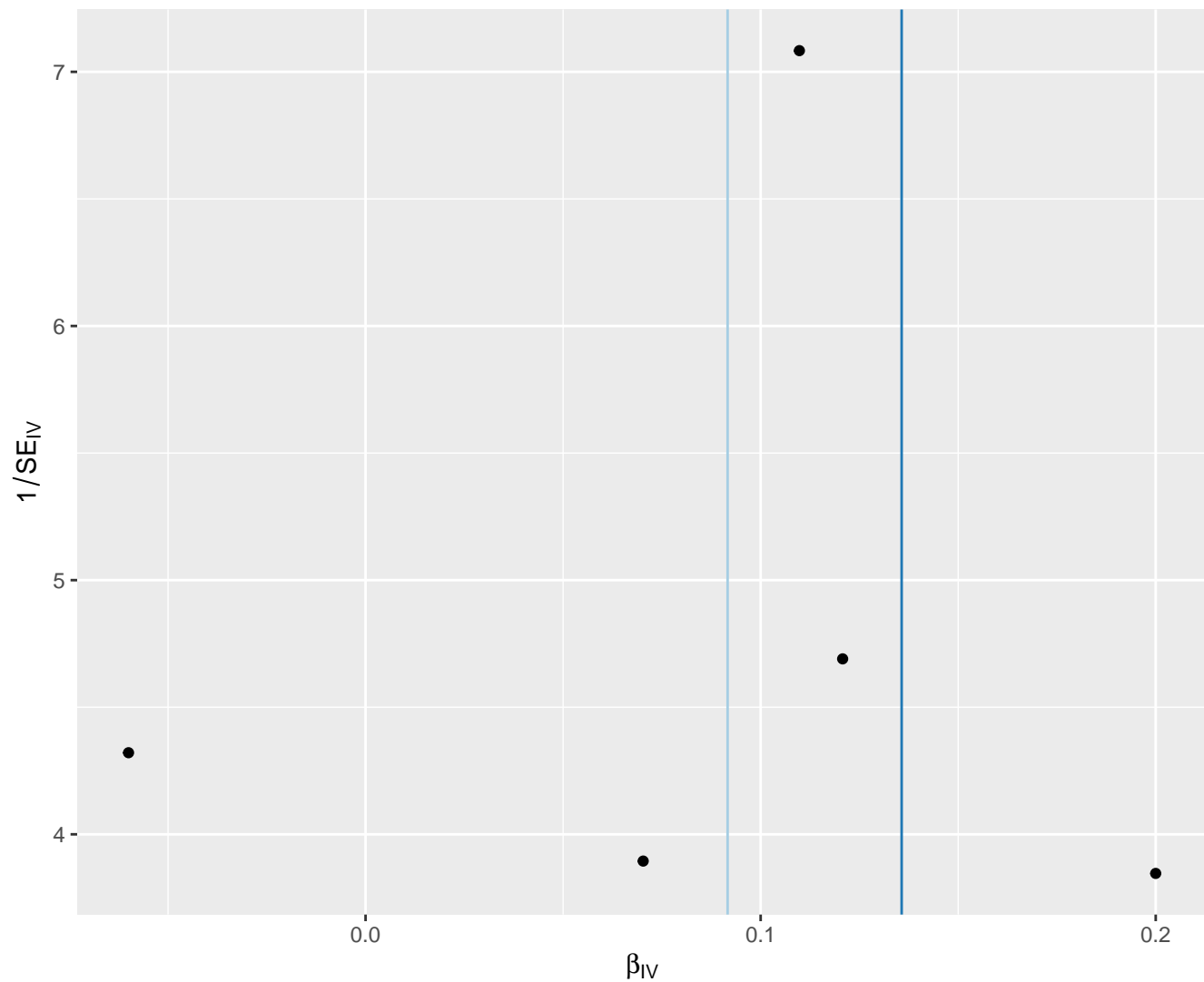
X-12038

MR Method



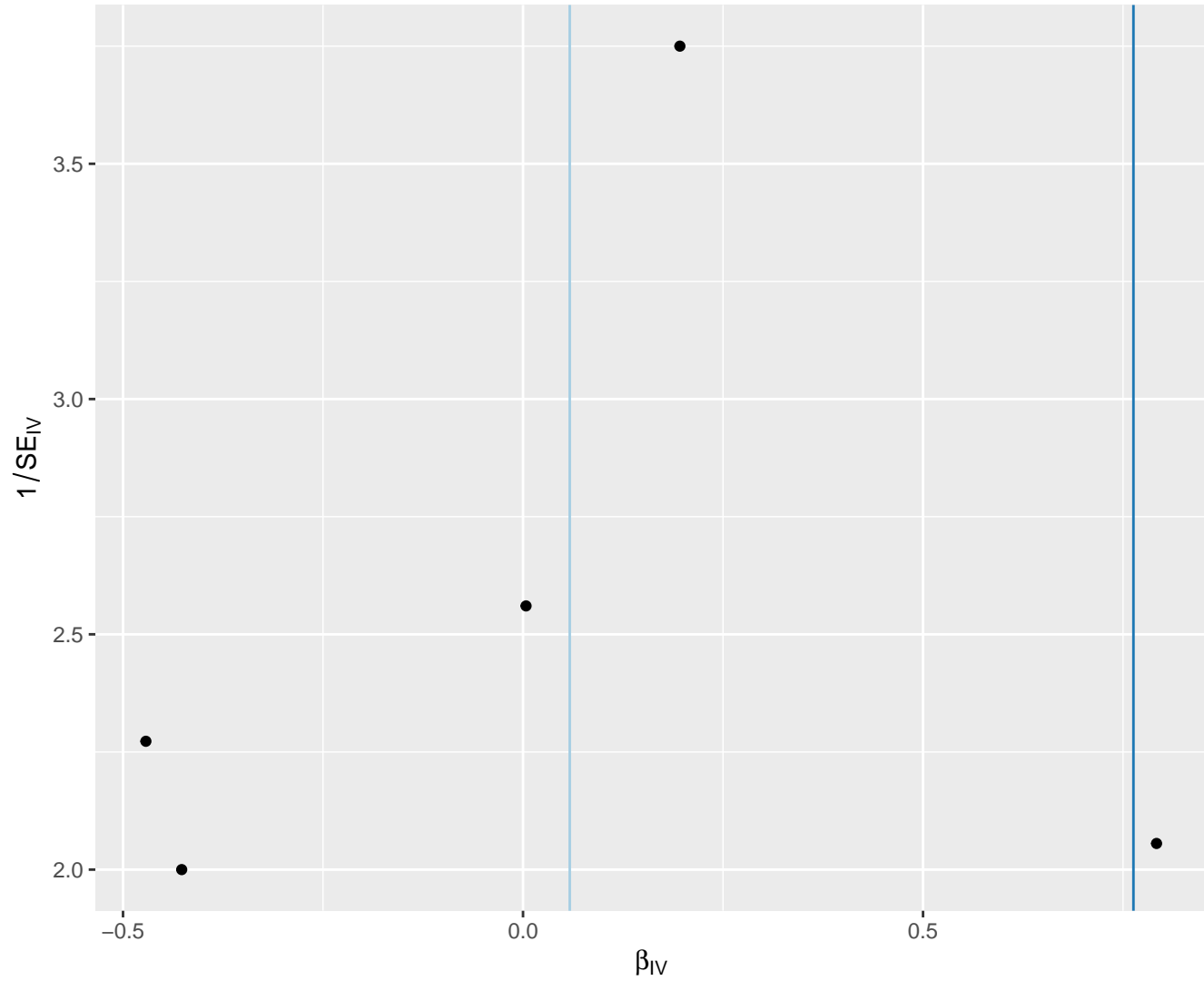
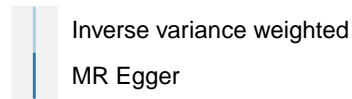
X-12039

MR Method



X-12040

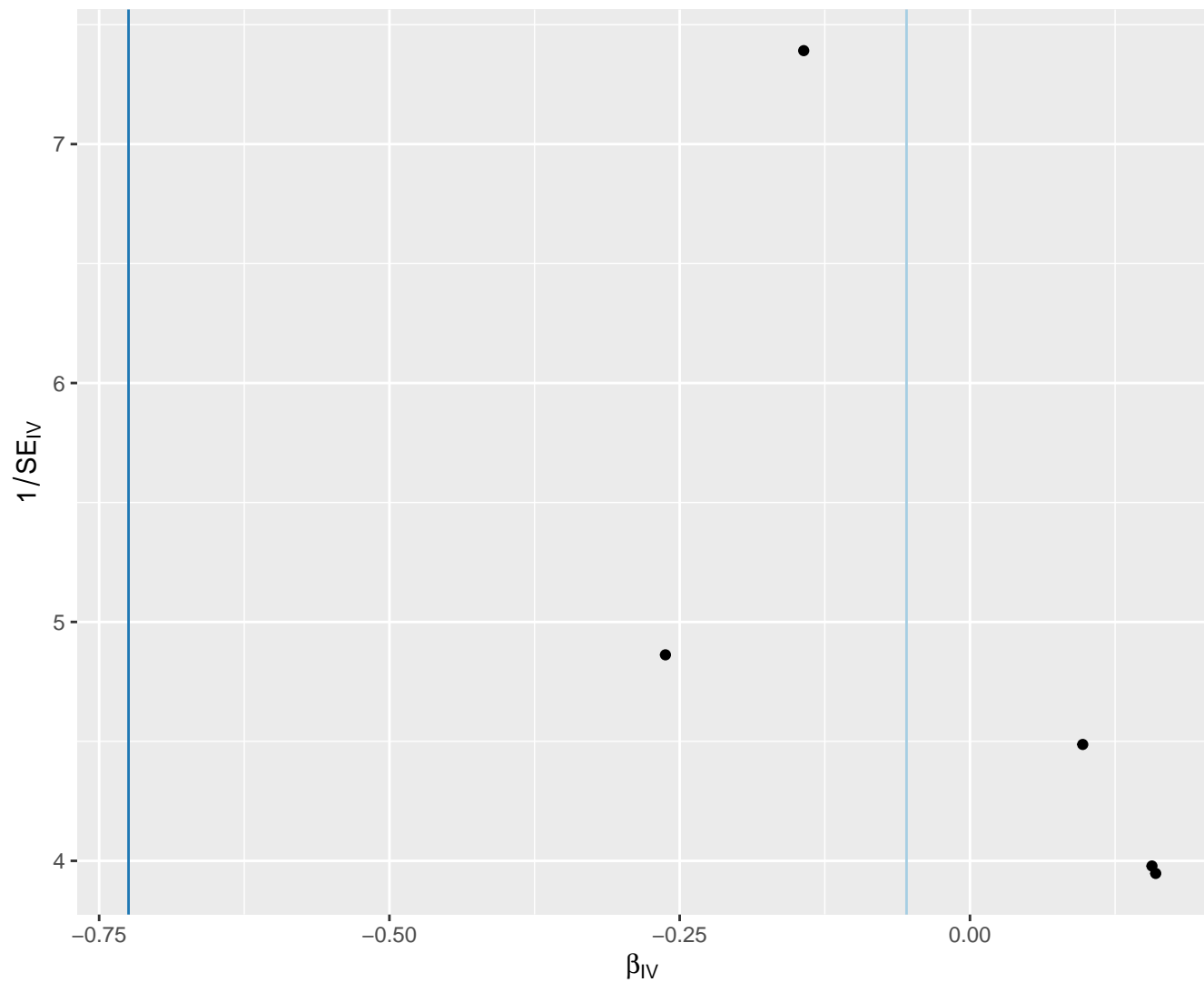
MR Method





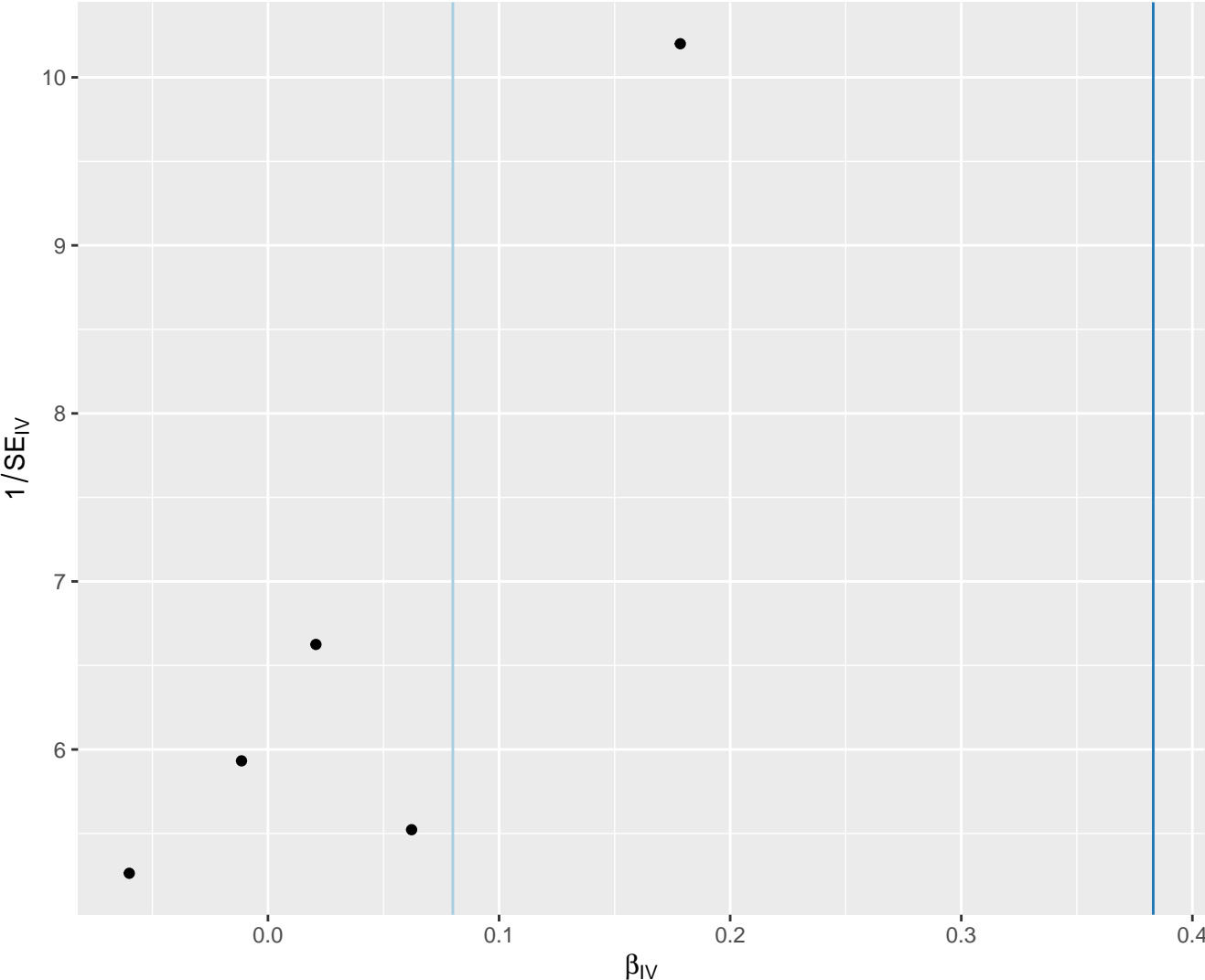
X-12056

MR Method



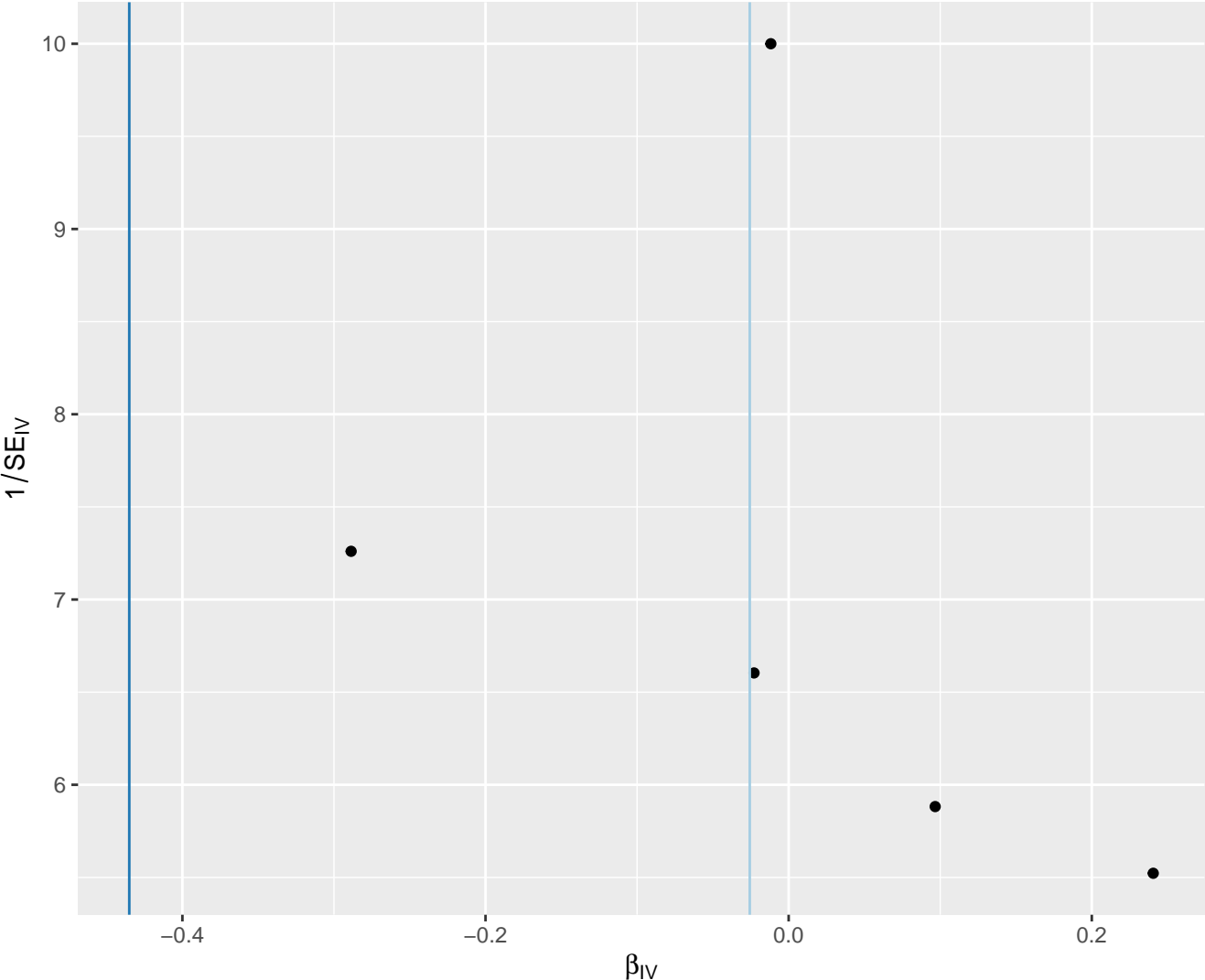
X-12063

MR Method



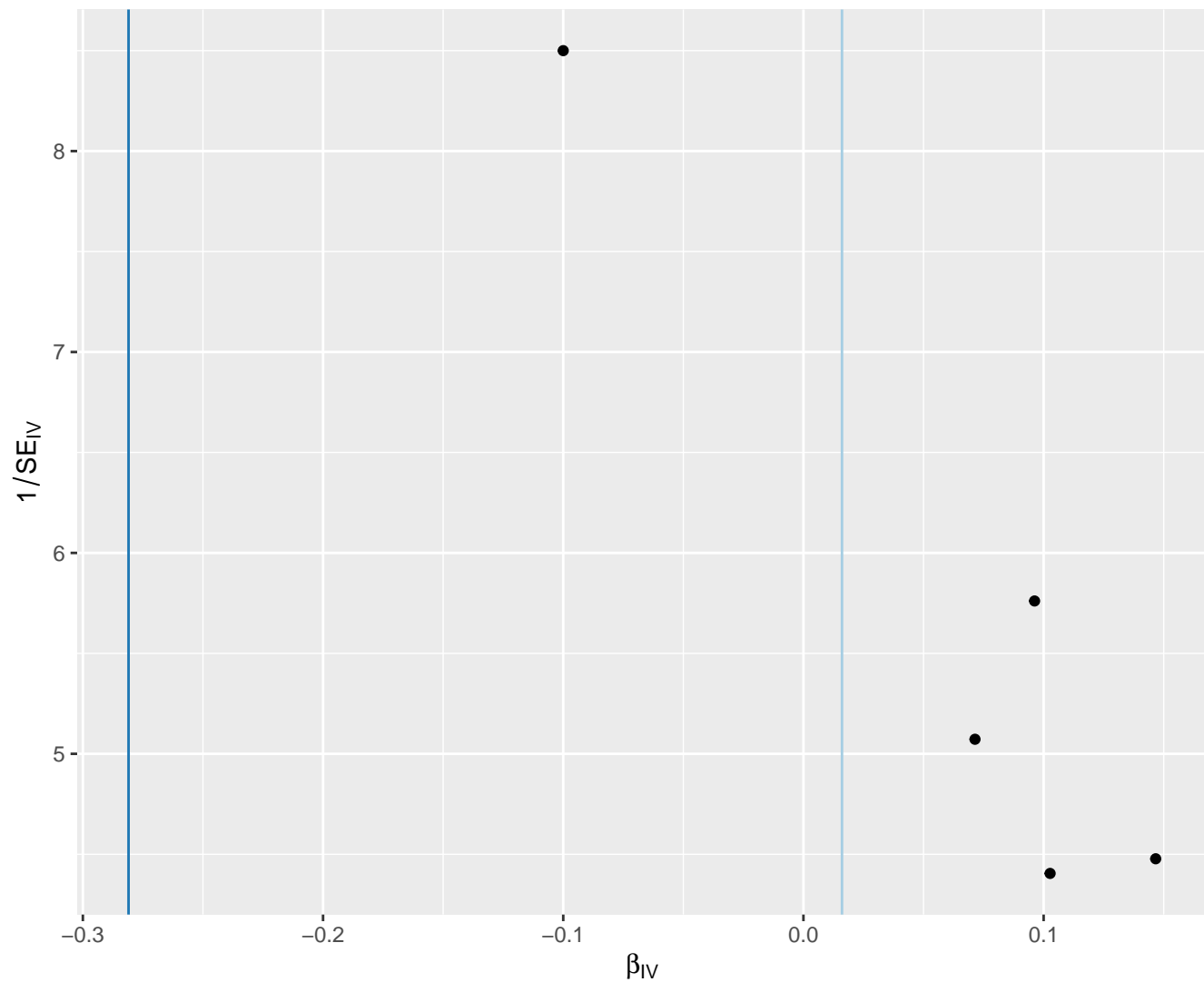
X-12092

MR Method



X-12093

MR Method



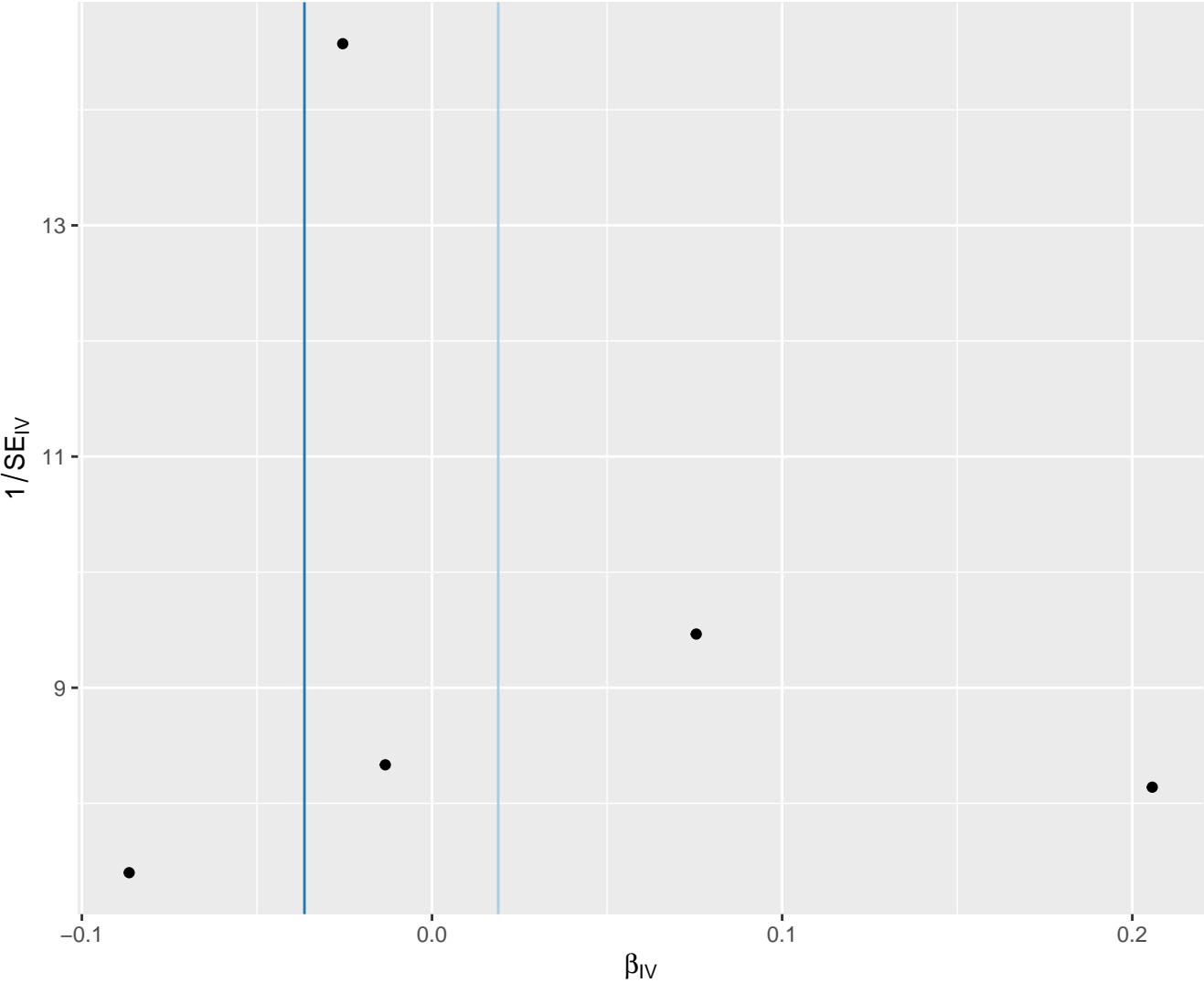
X-12094

MR Method



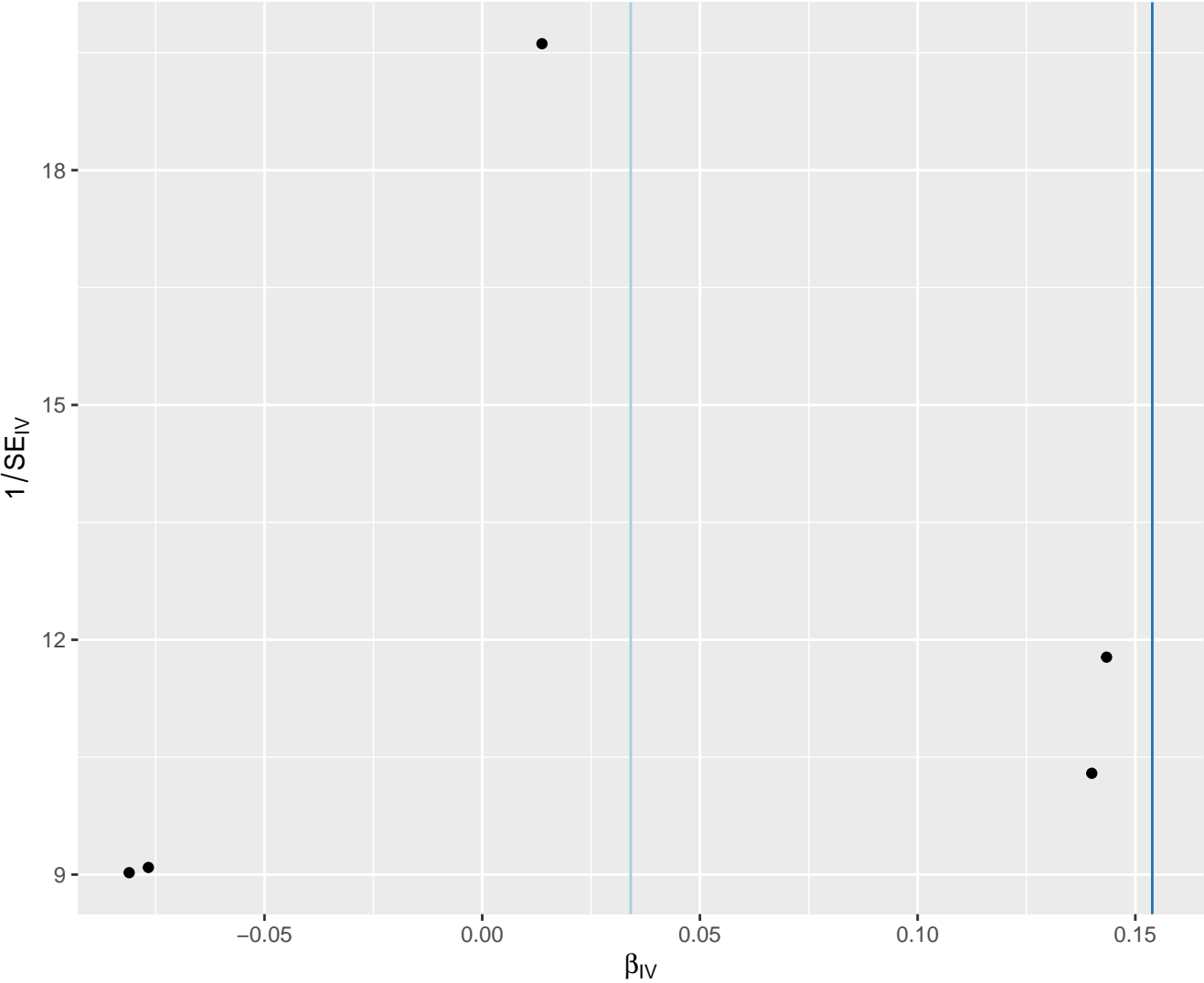
Inverse variance weighted

MR Egger



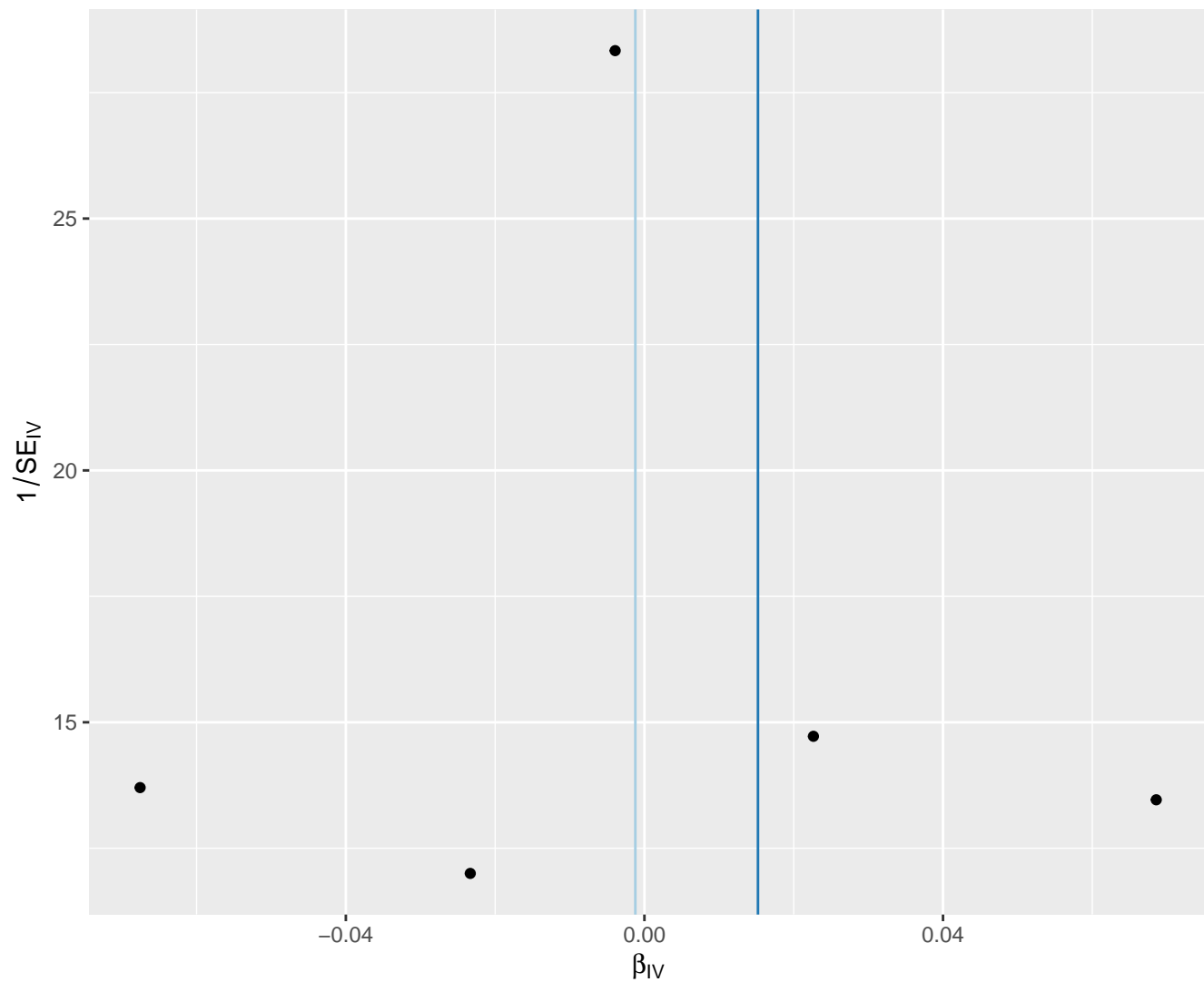
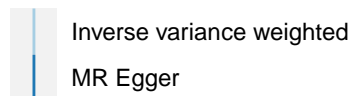
X-12095--N1-methyl-3-pyridone-4-carboxamide

MR Method

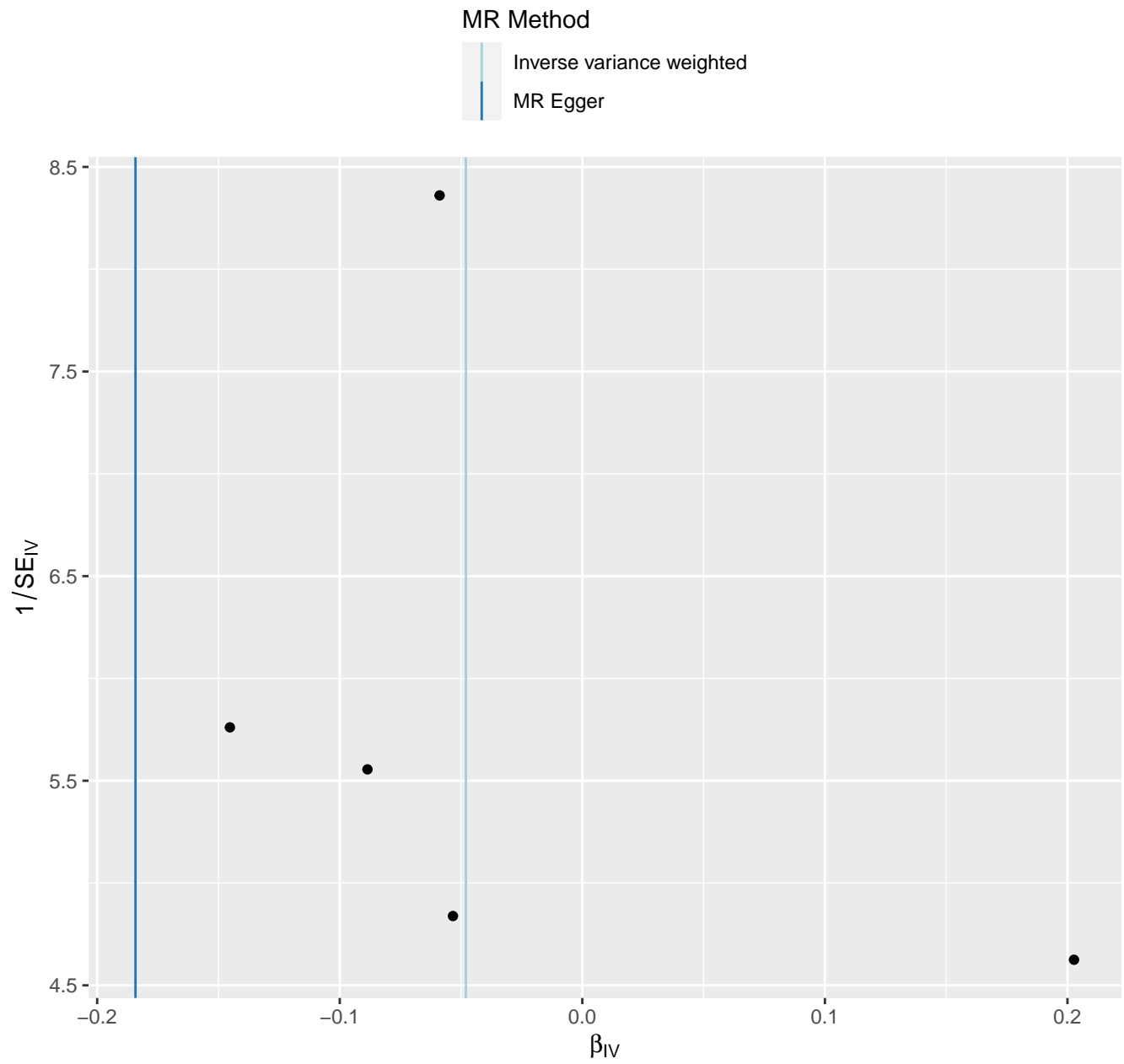


# X-12100--hydroxytryptophan\*

MR Method

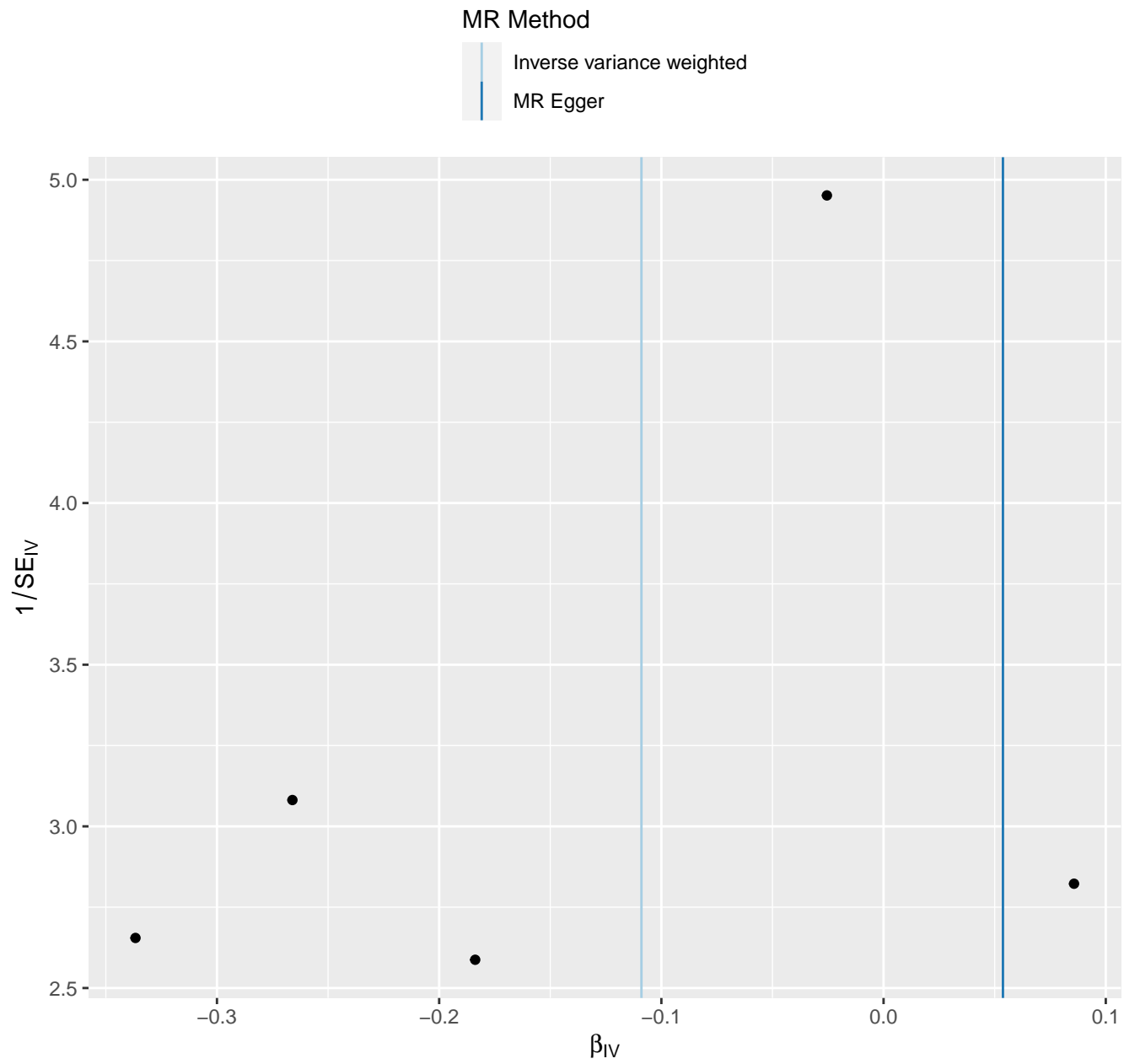


X-12116



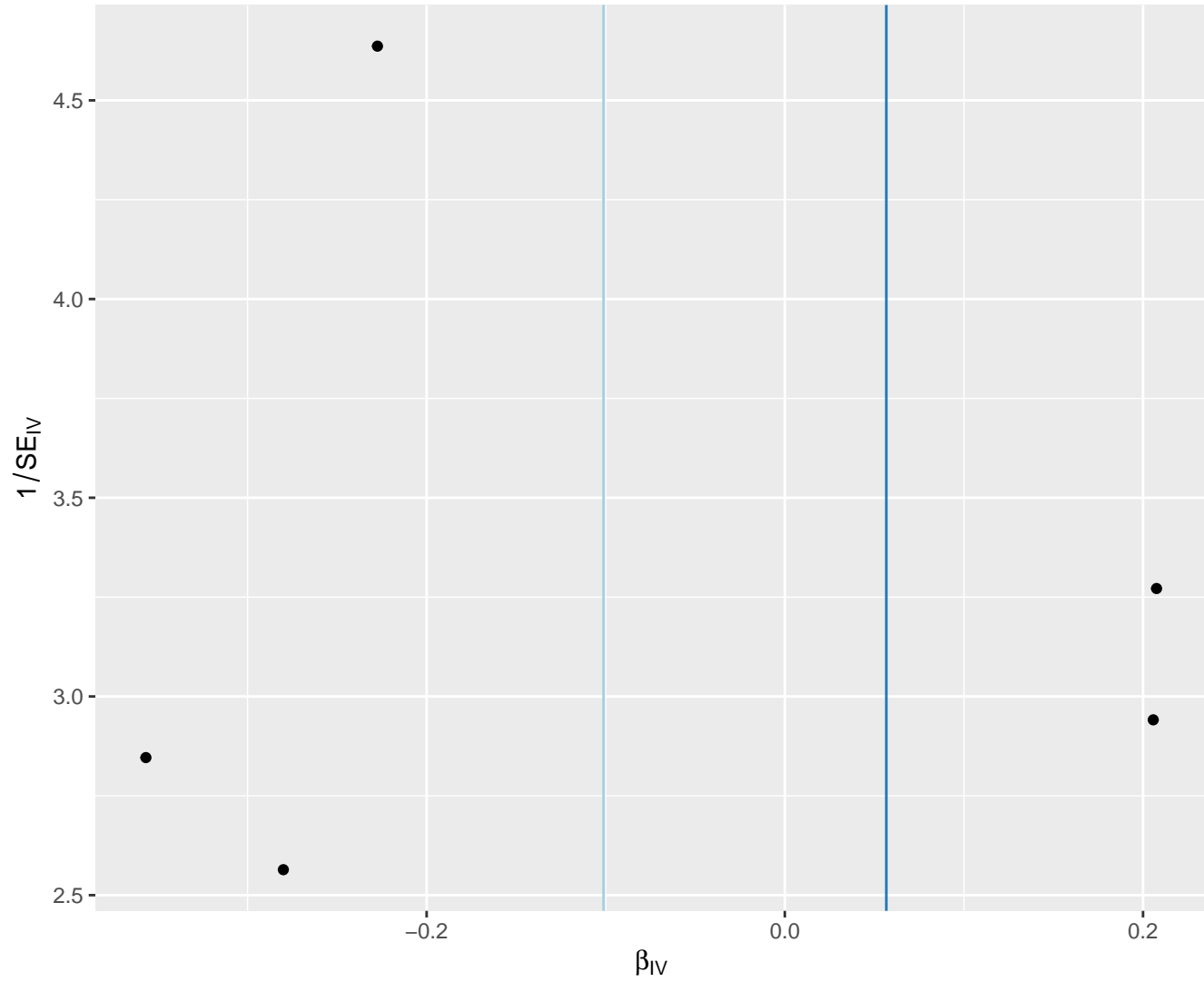
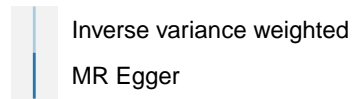


X-12188



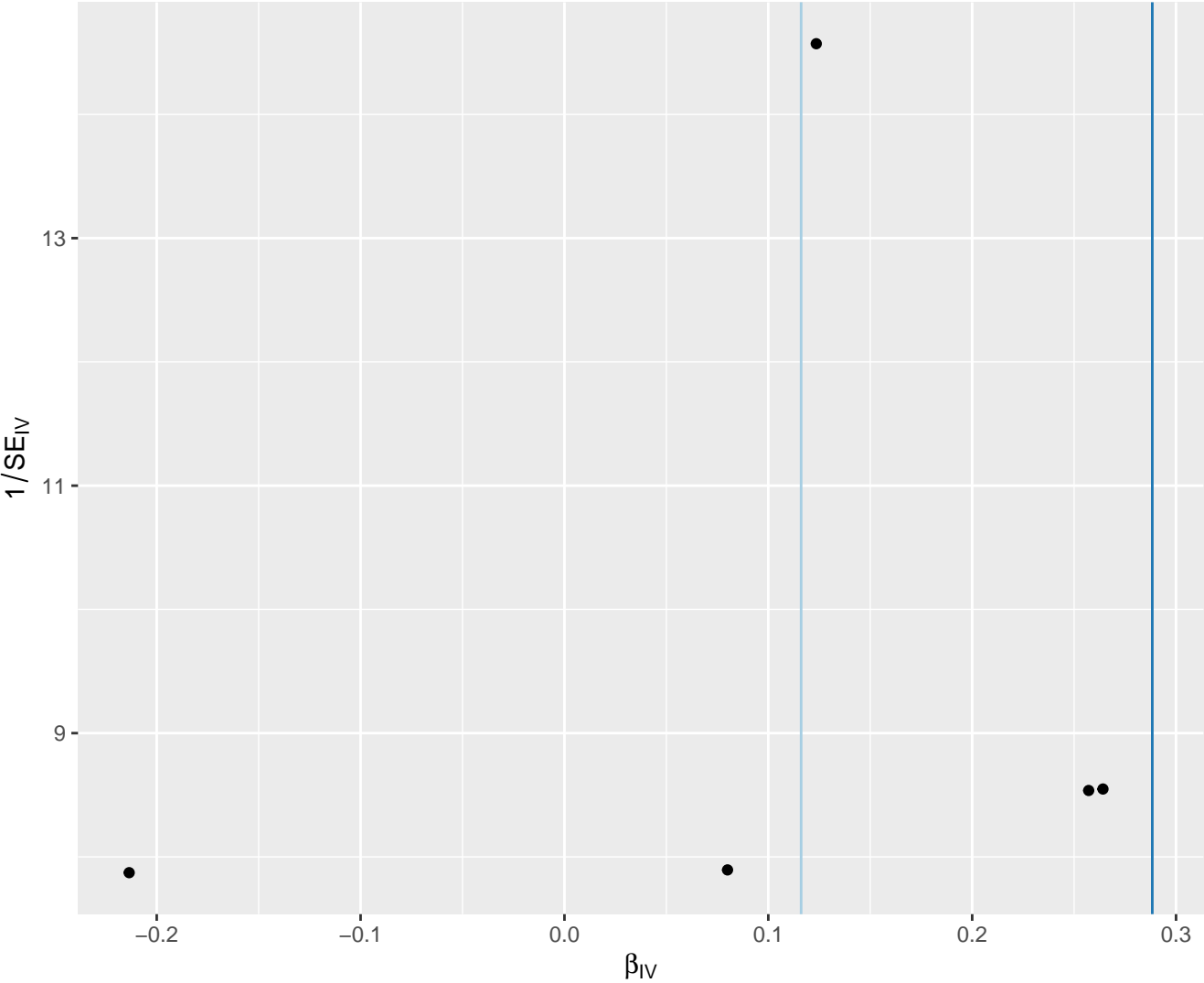
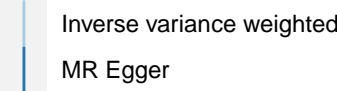
X-12189

MR Method



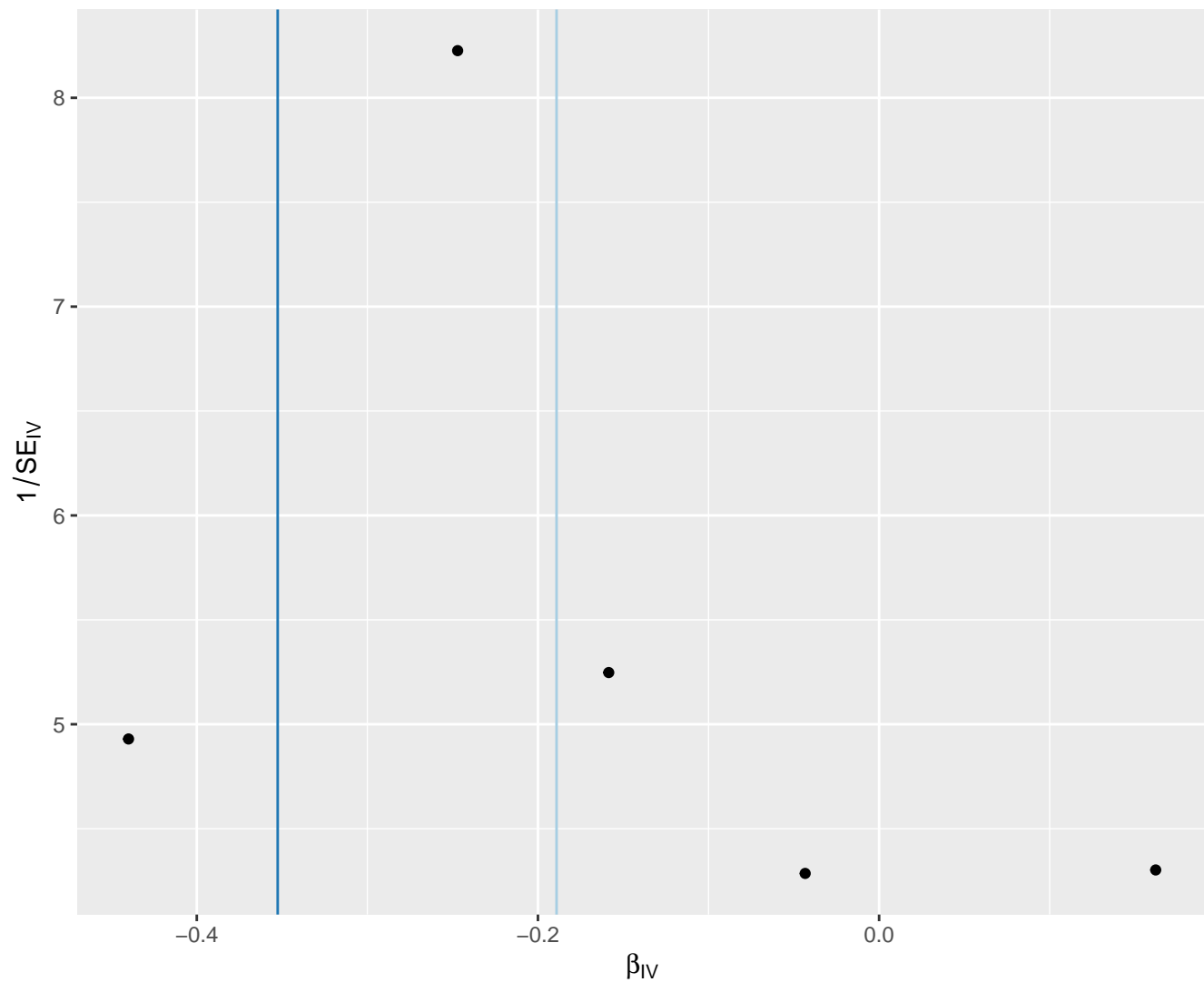
X-12206

MR Method



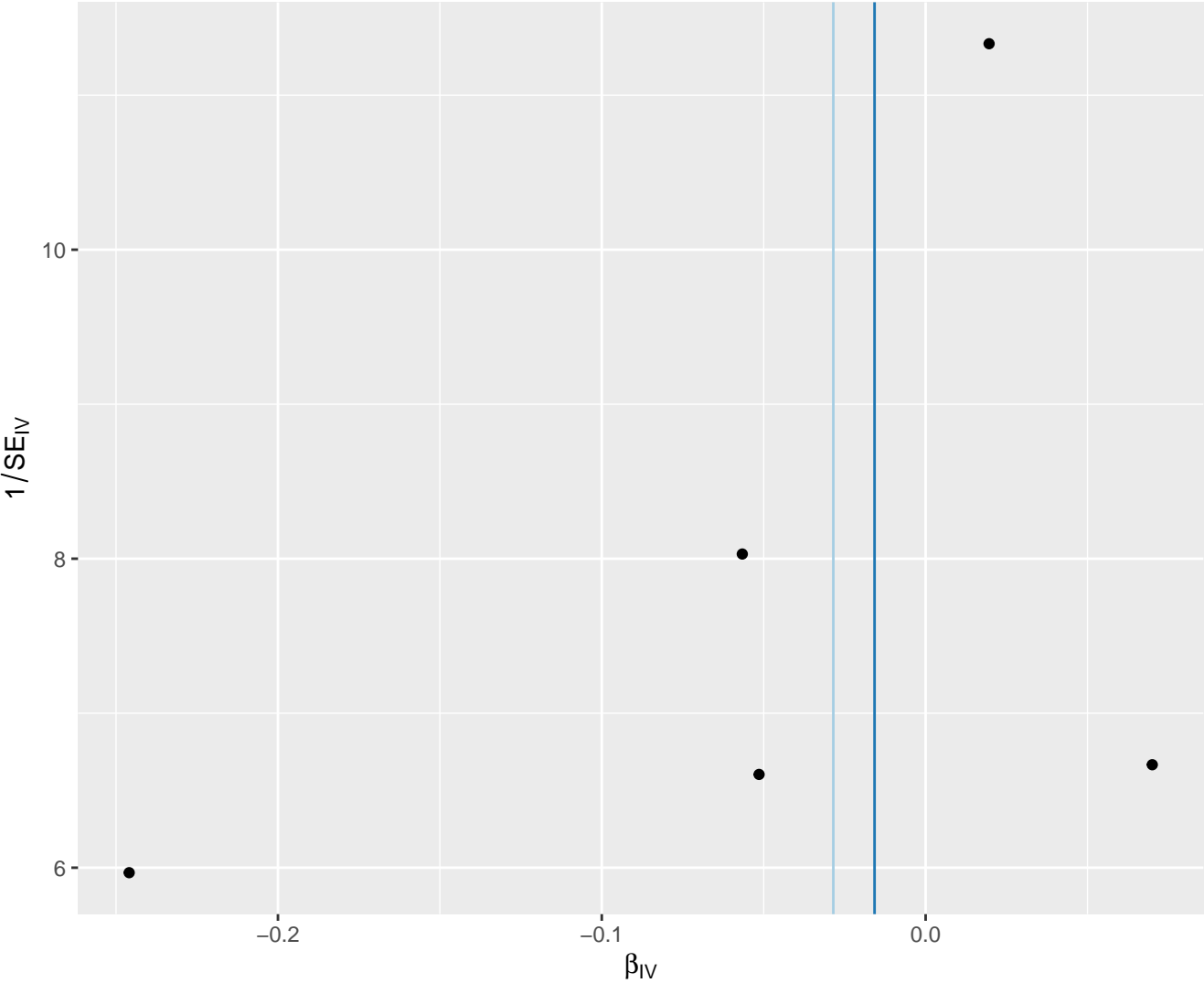
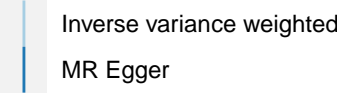
X-12212

MR Method



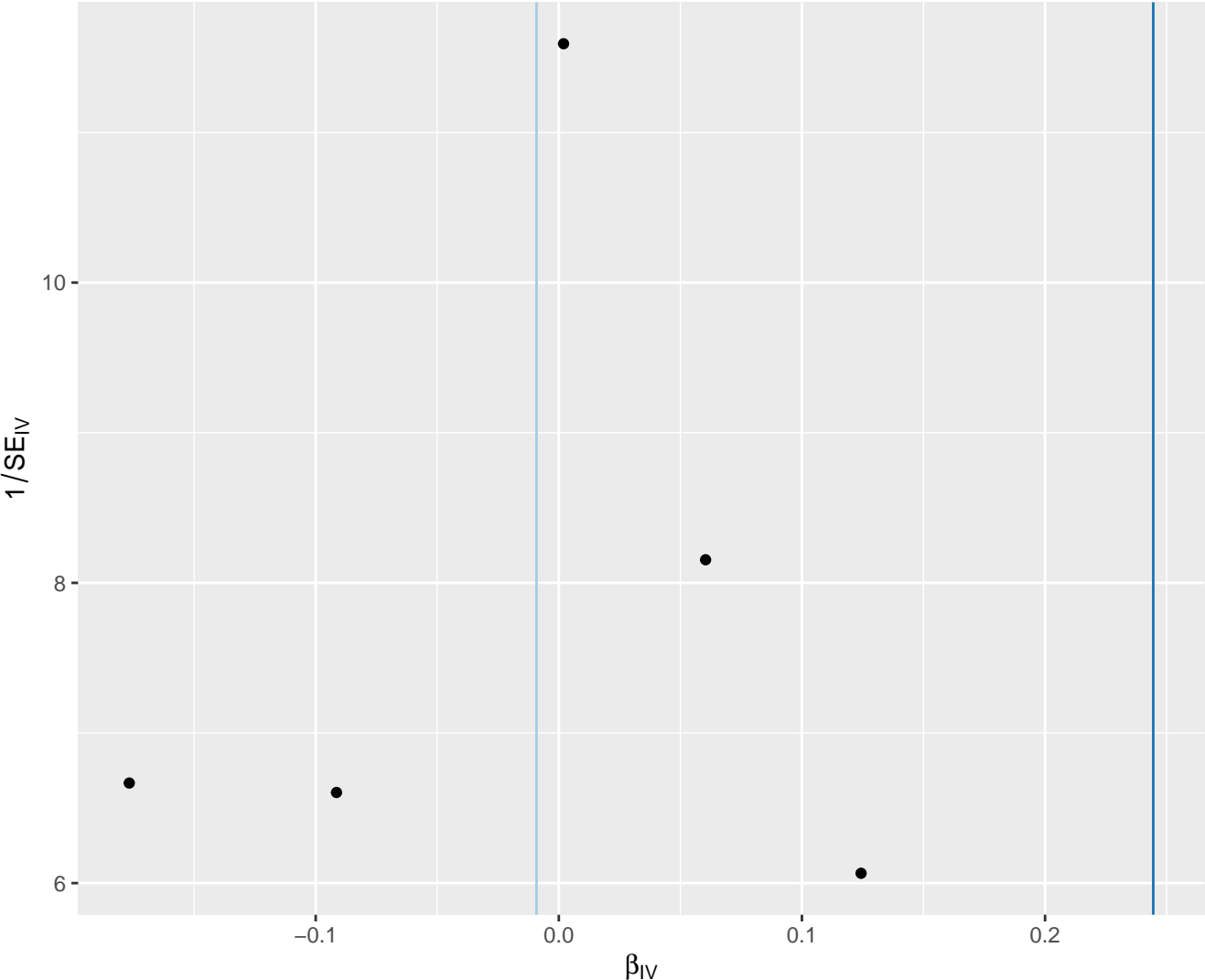
X-12216

MR Method



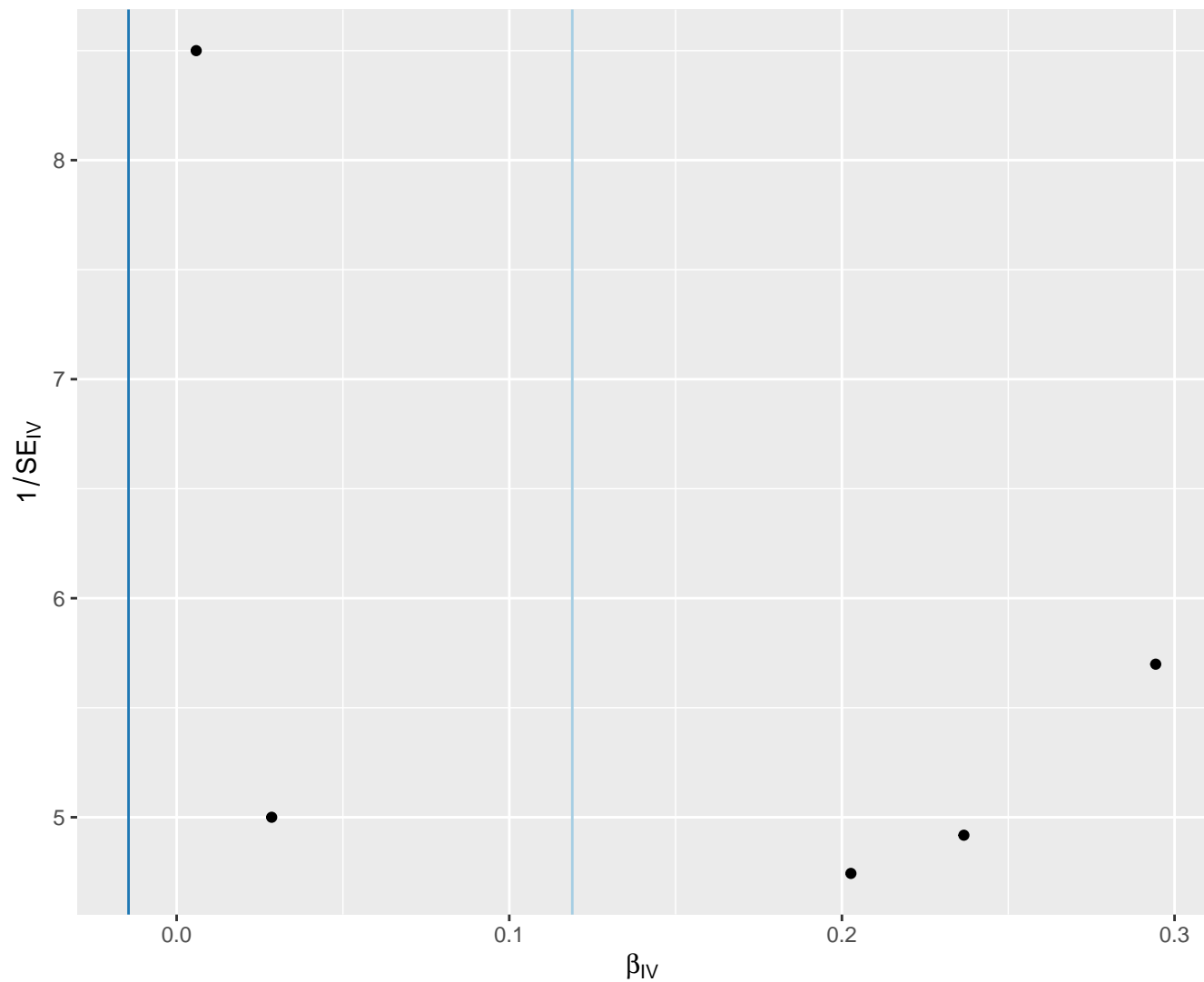
X-12217

MR Method



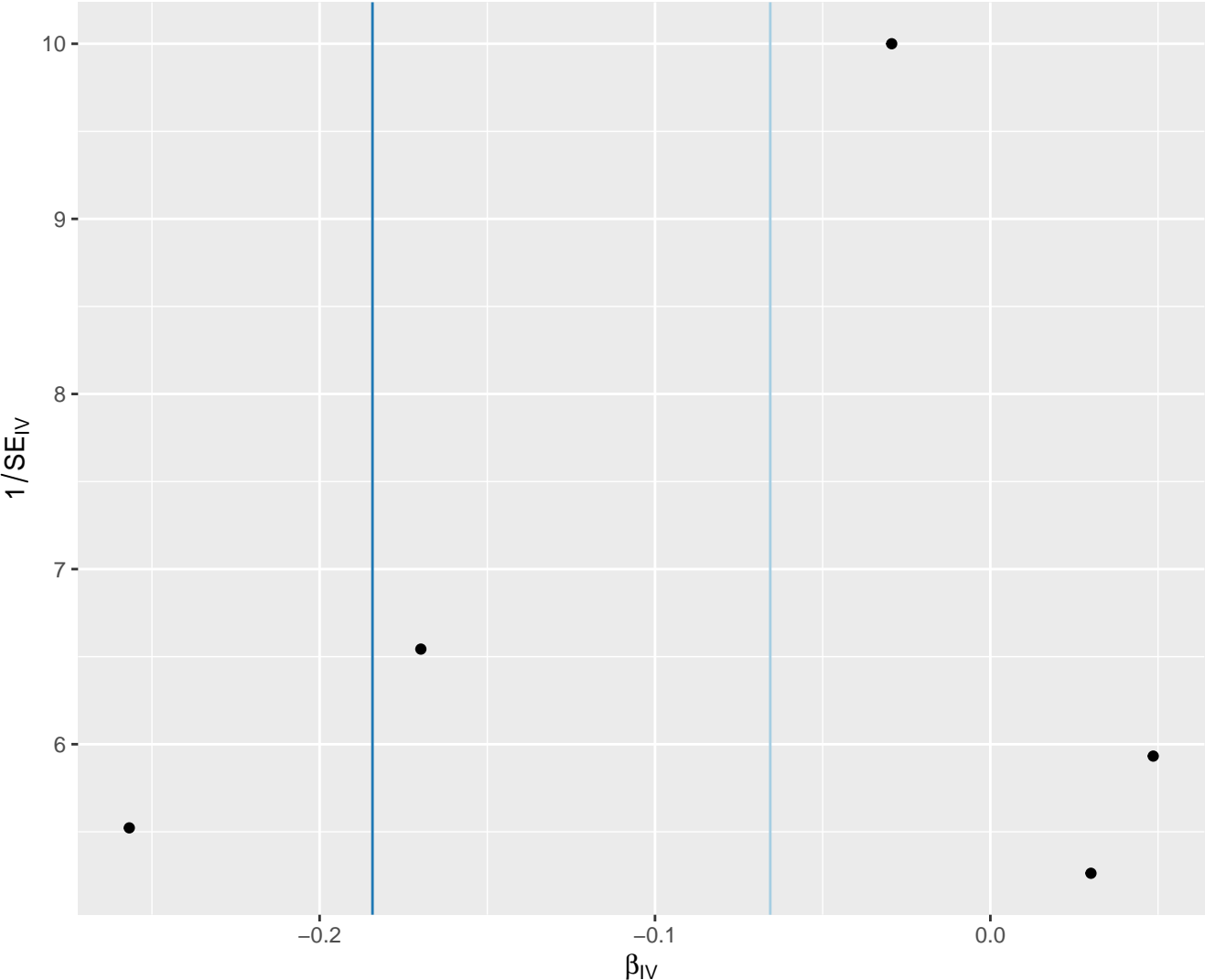
X-12230

MR Method



X-12231

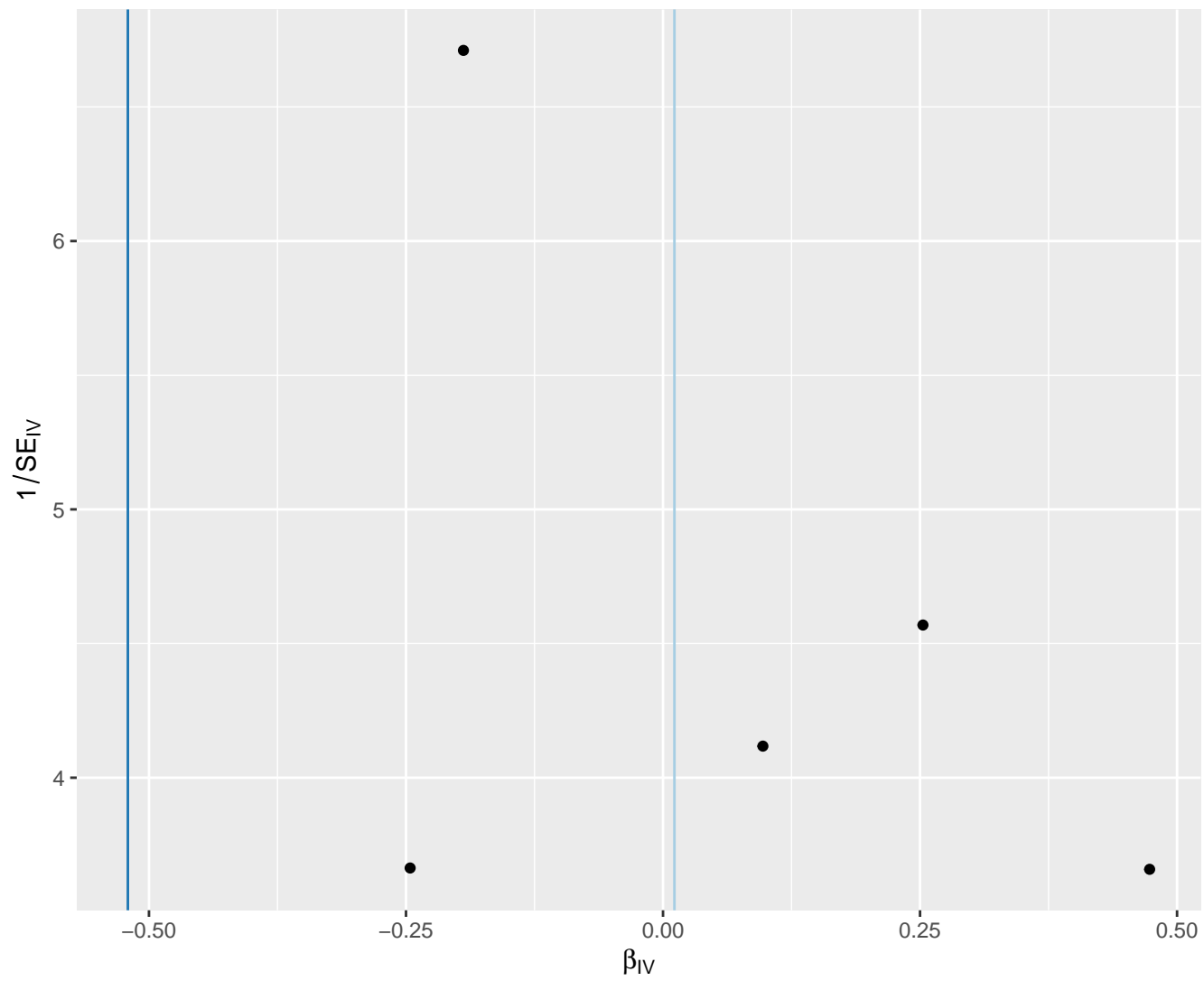
MR Method





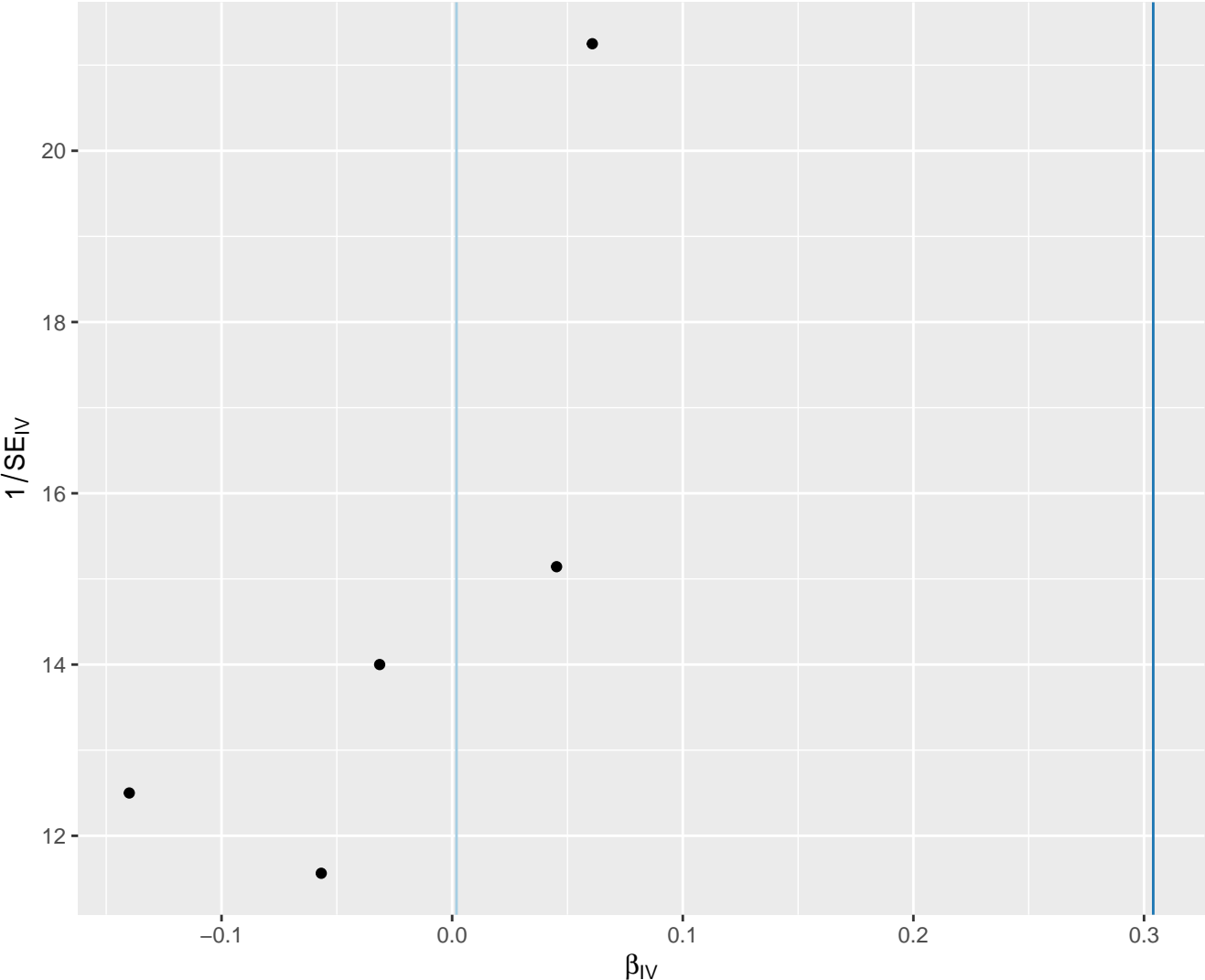
X-12236

MR Method



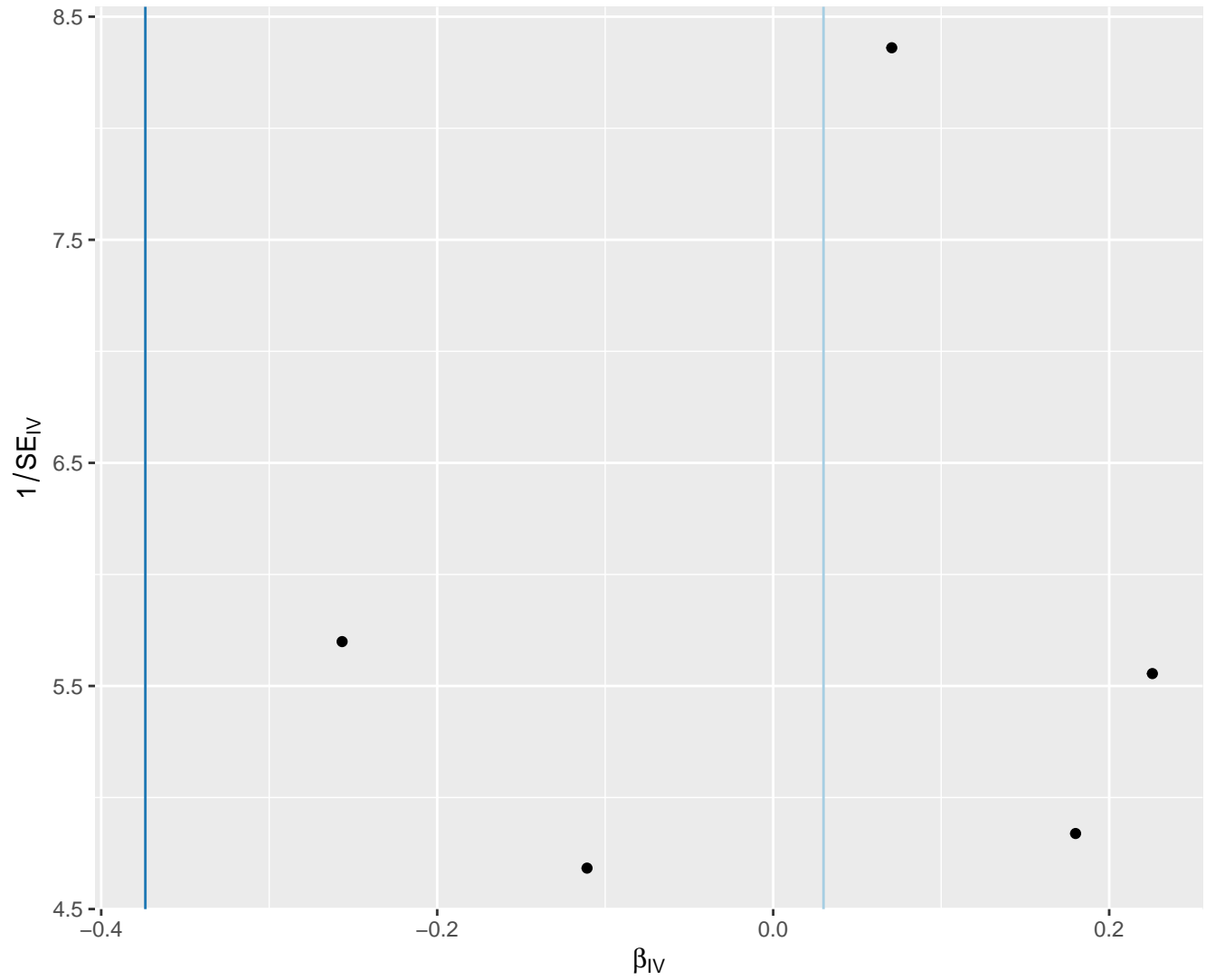
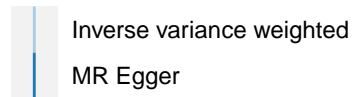
X-12244--N-acetylcarnosine

MR Method



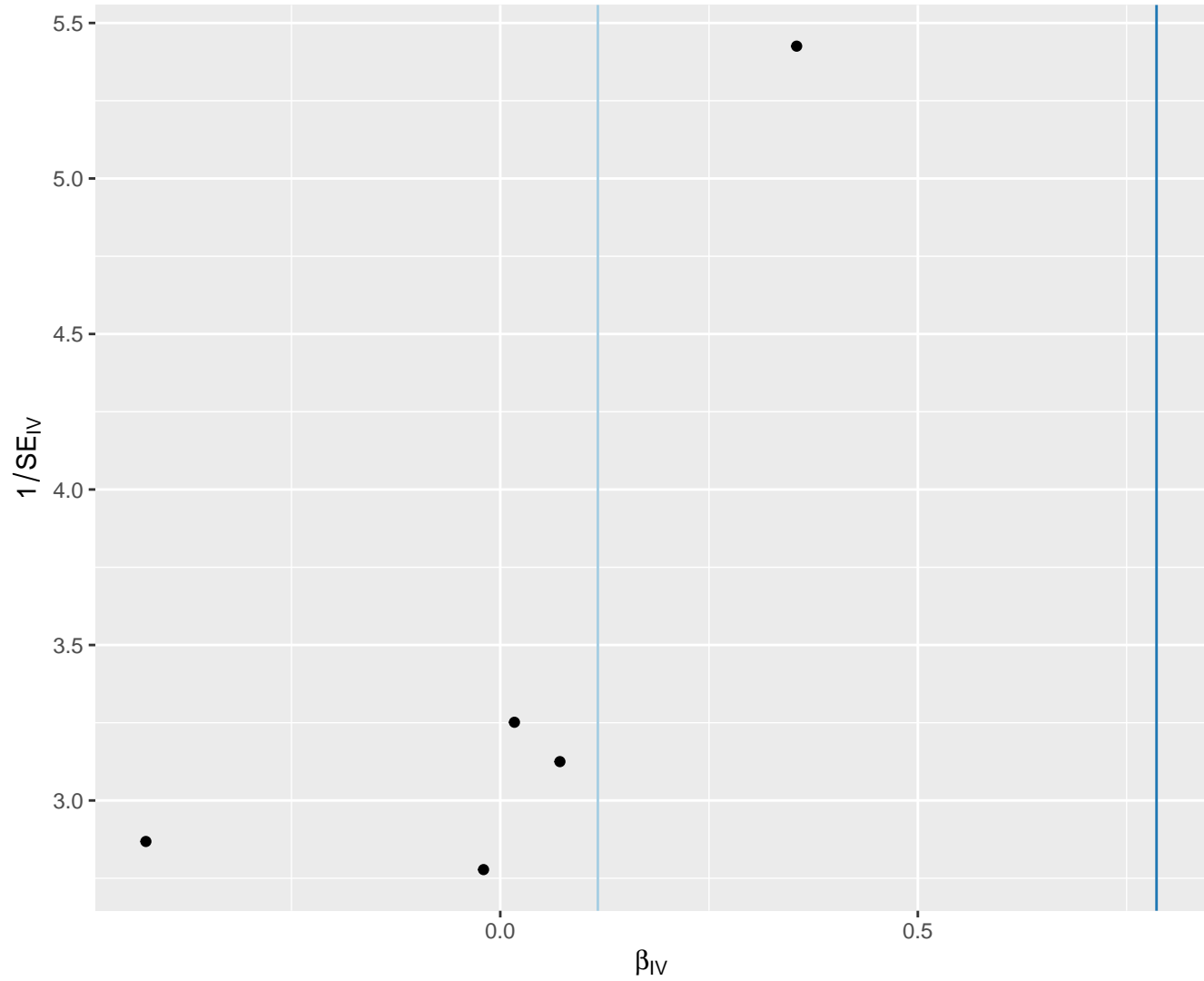
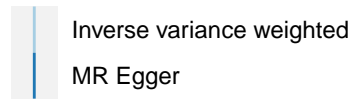
X-12253

MR Method



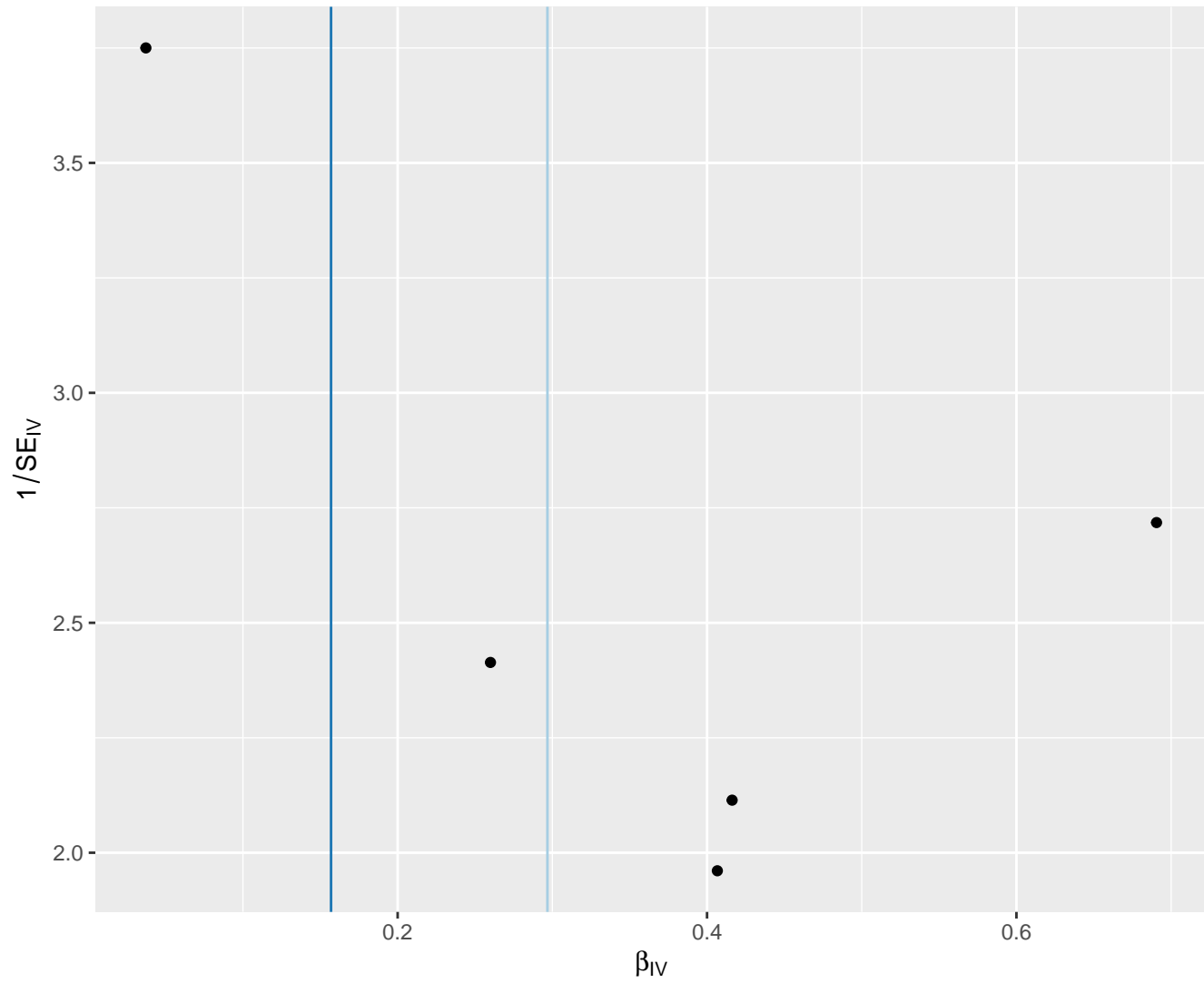
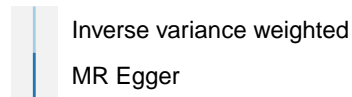
X-12261

MR Method



X-12329

MR Method



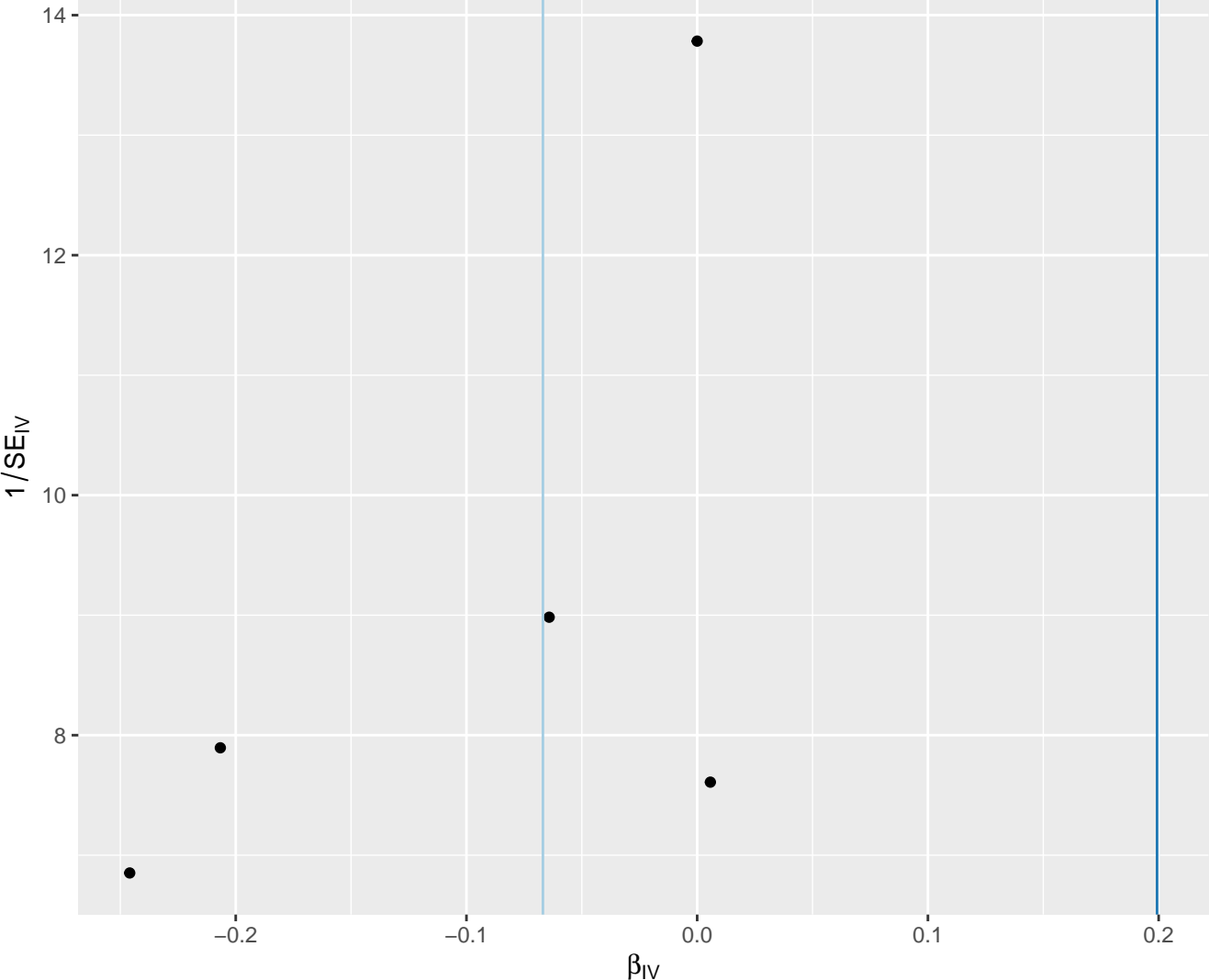
X-12405

MR Method



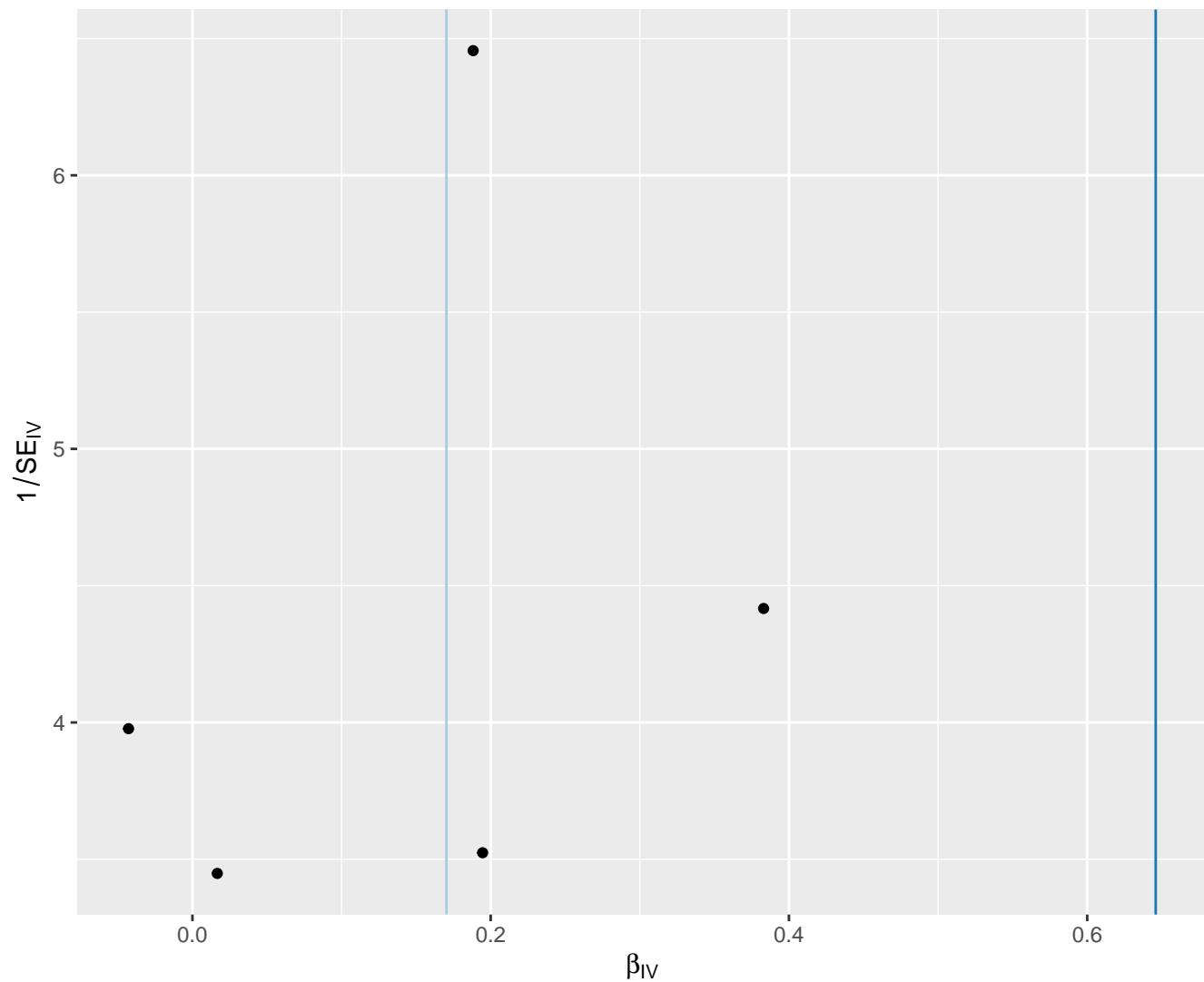
Inverse variance weighted

MR Egger



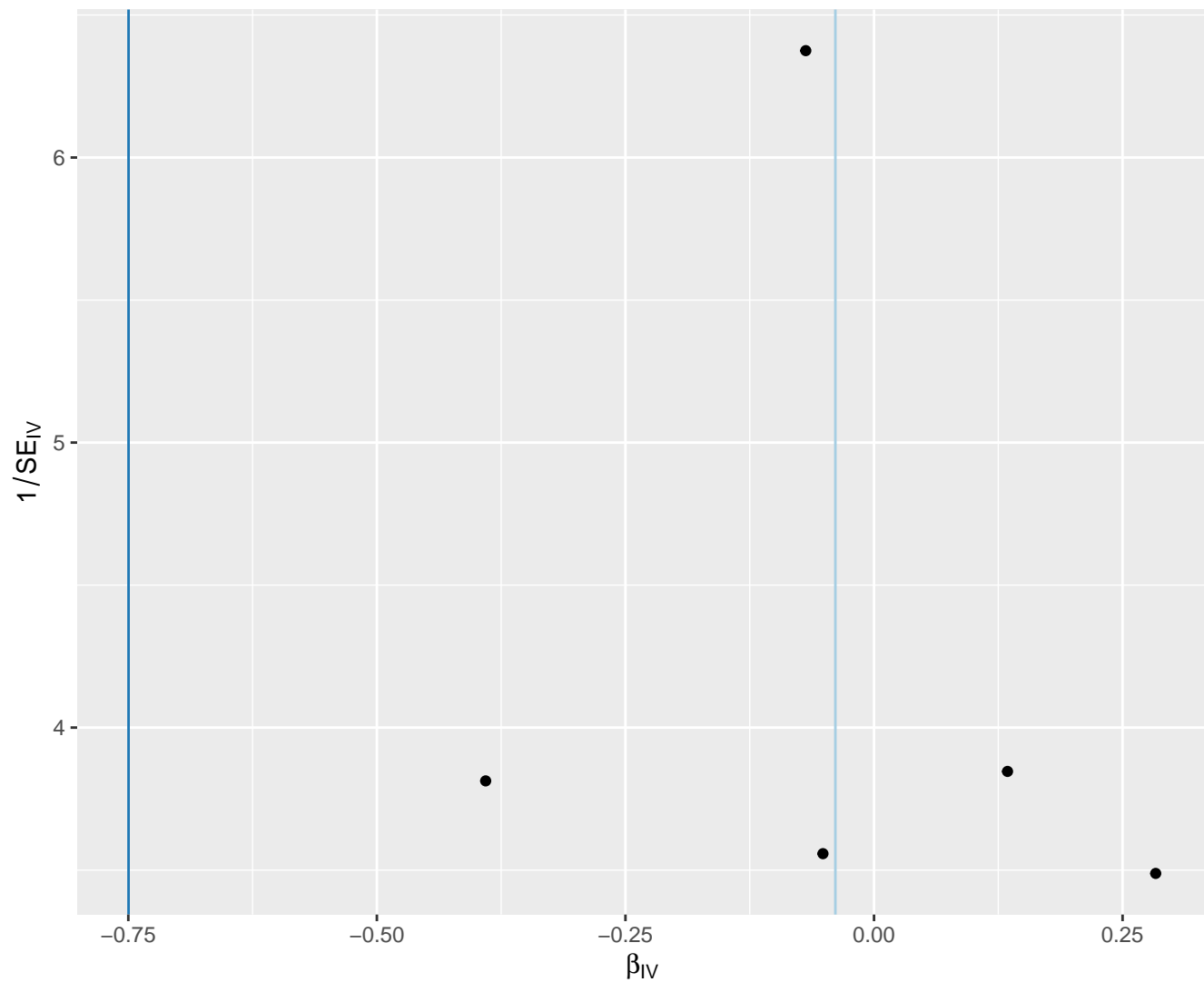
X-12407

MR Method



X-12428

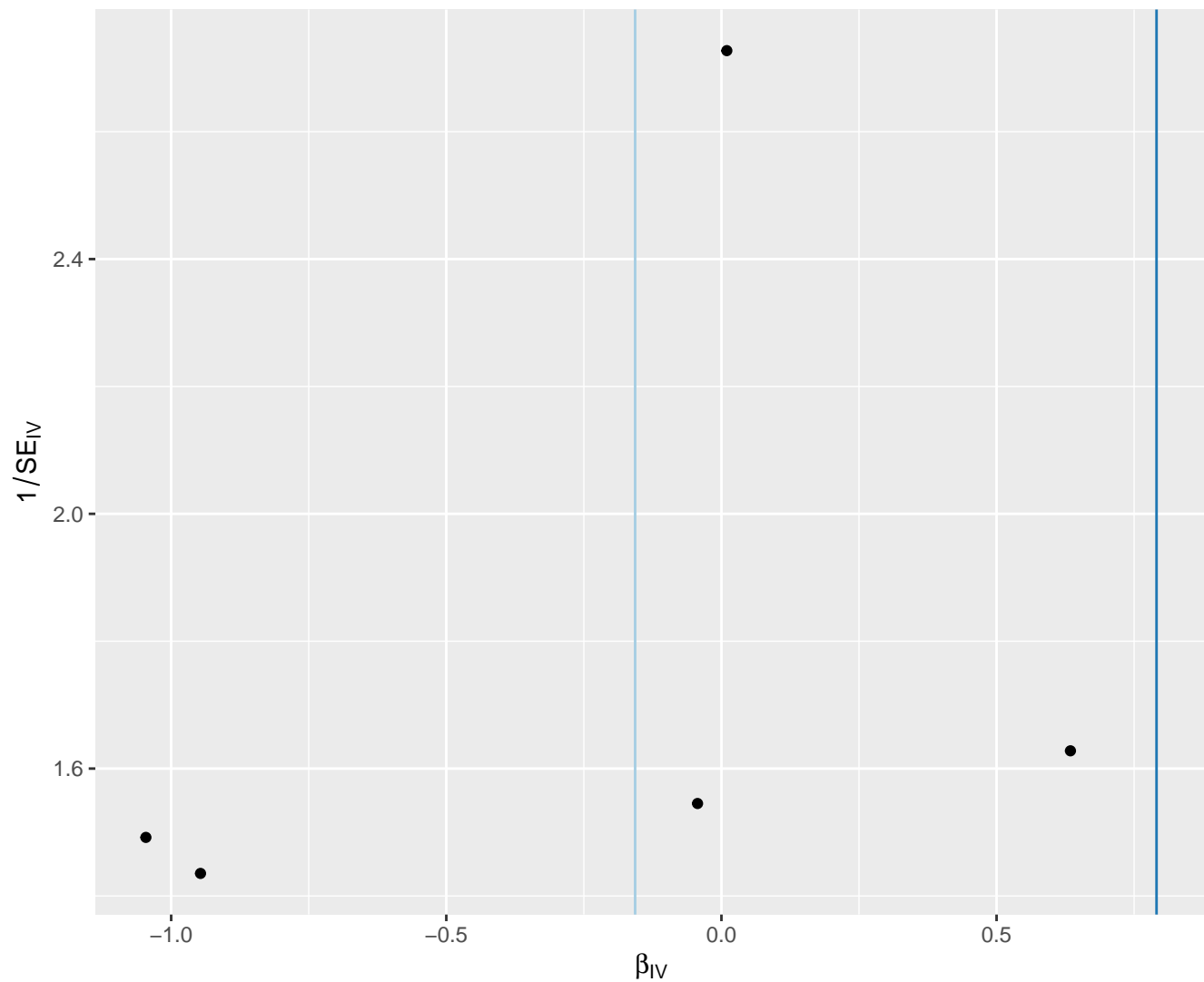
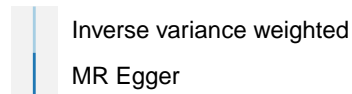
MR Method



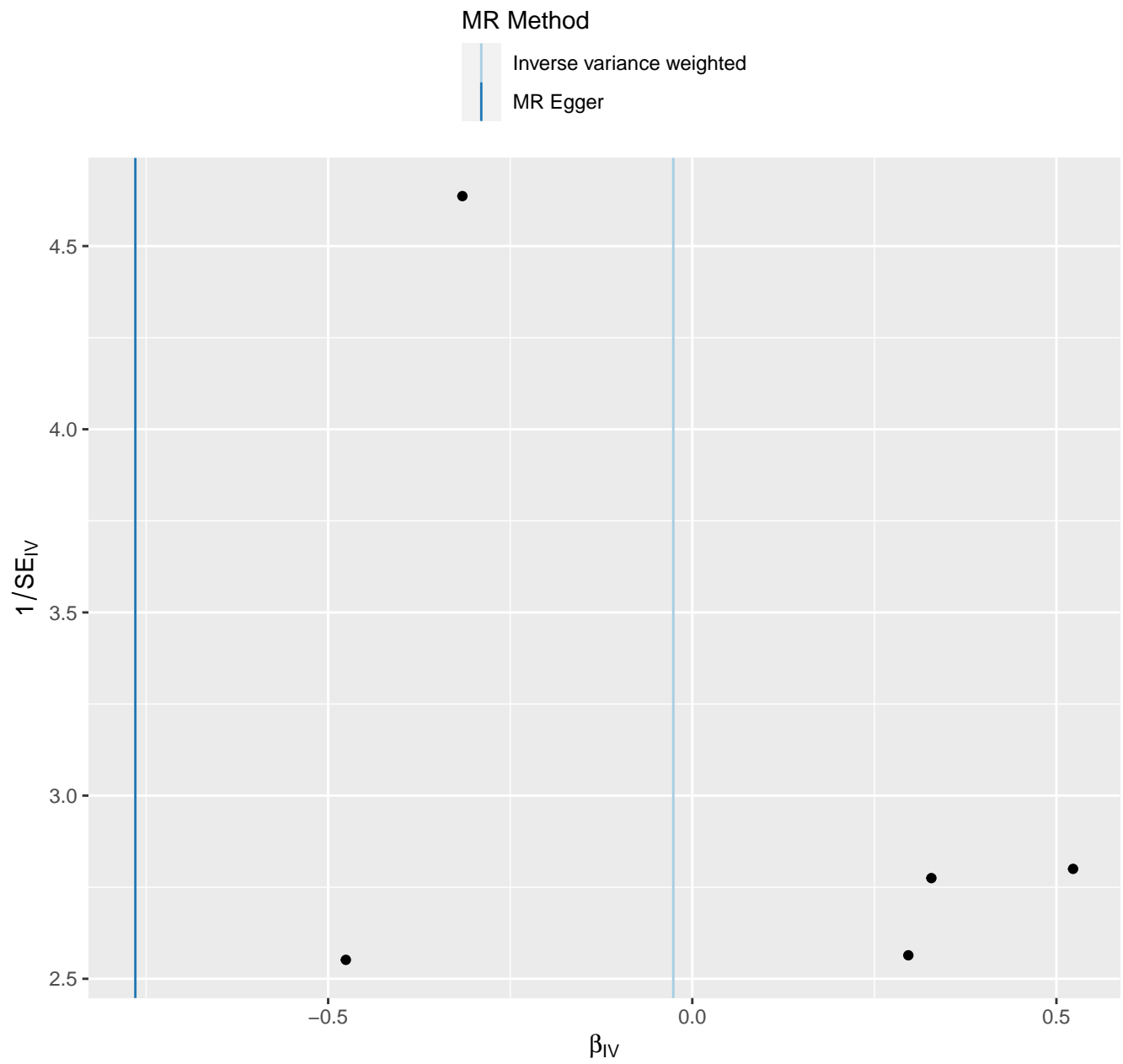


X-12435

MR Method



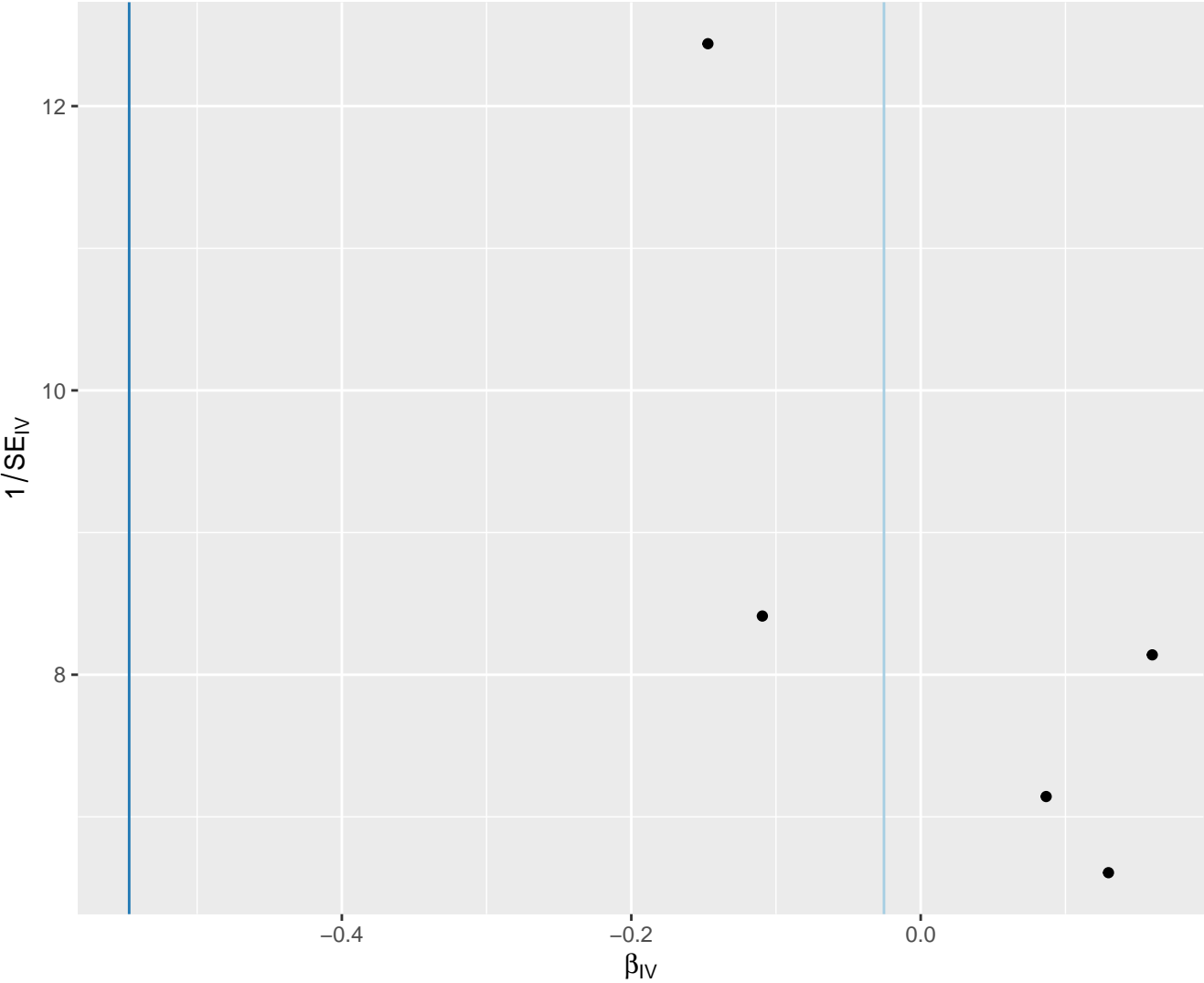
# X-12441--12-hydroxyeicosatetraenoate (12-HETE)



X-12442--5,8-tetradecadienoate

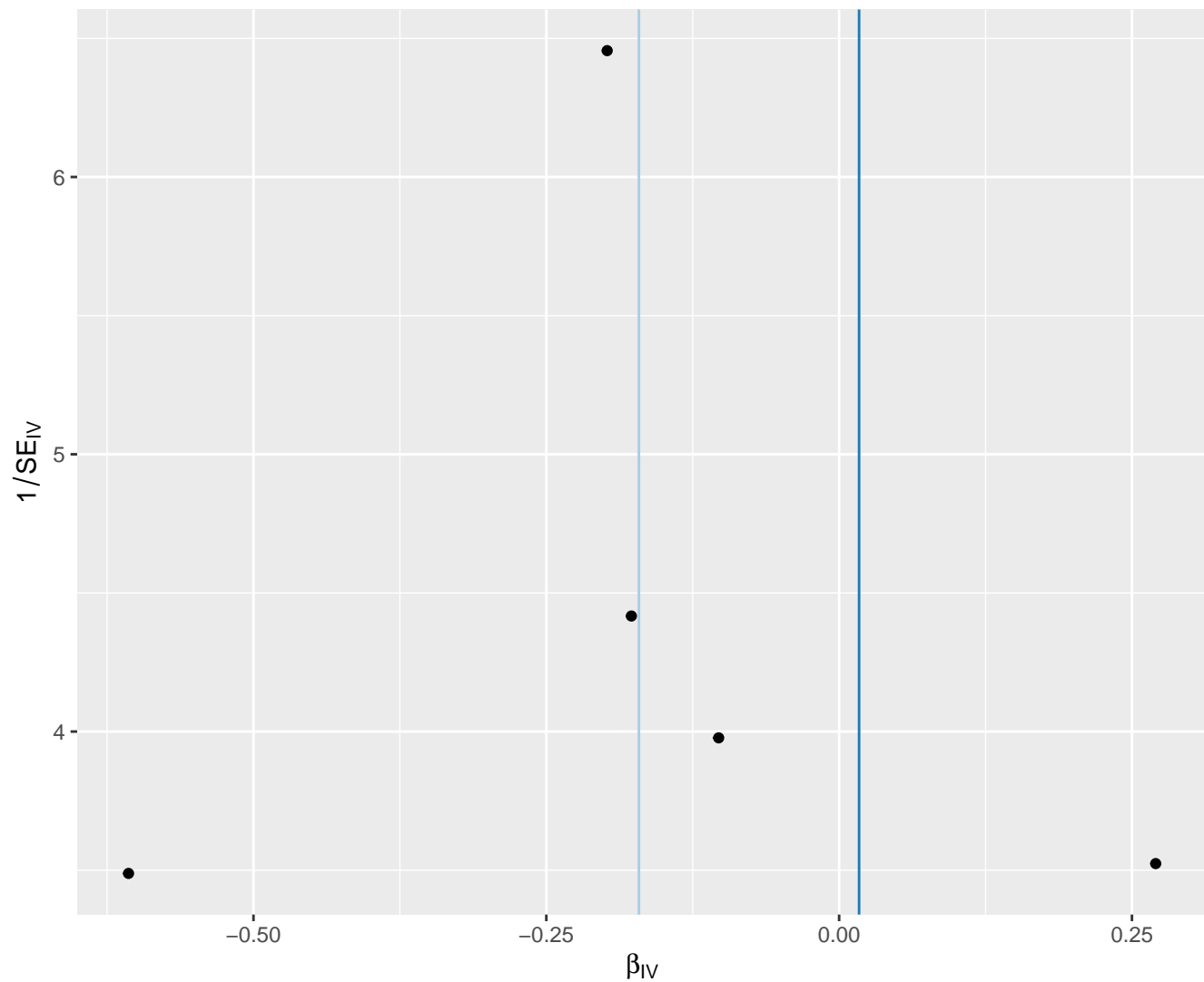
MR Method

- Inverse variance weighted
- MR Egger



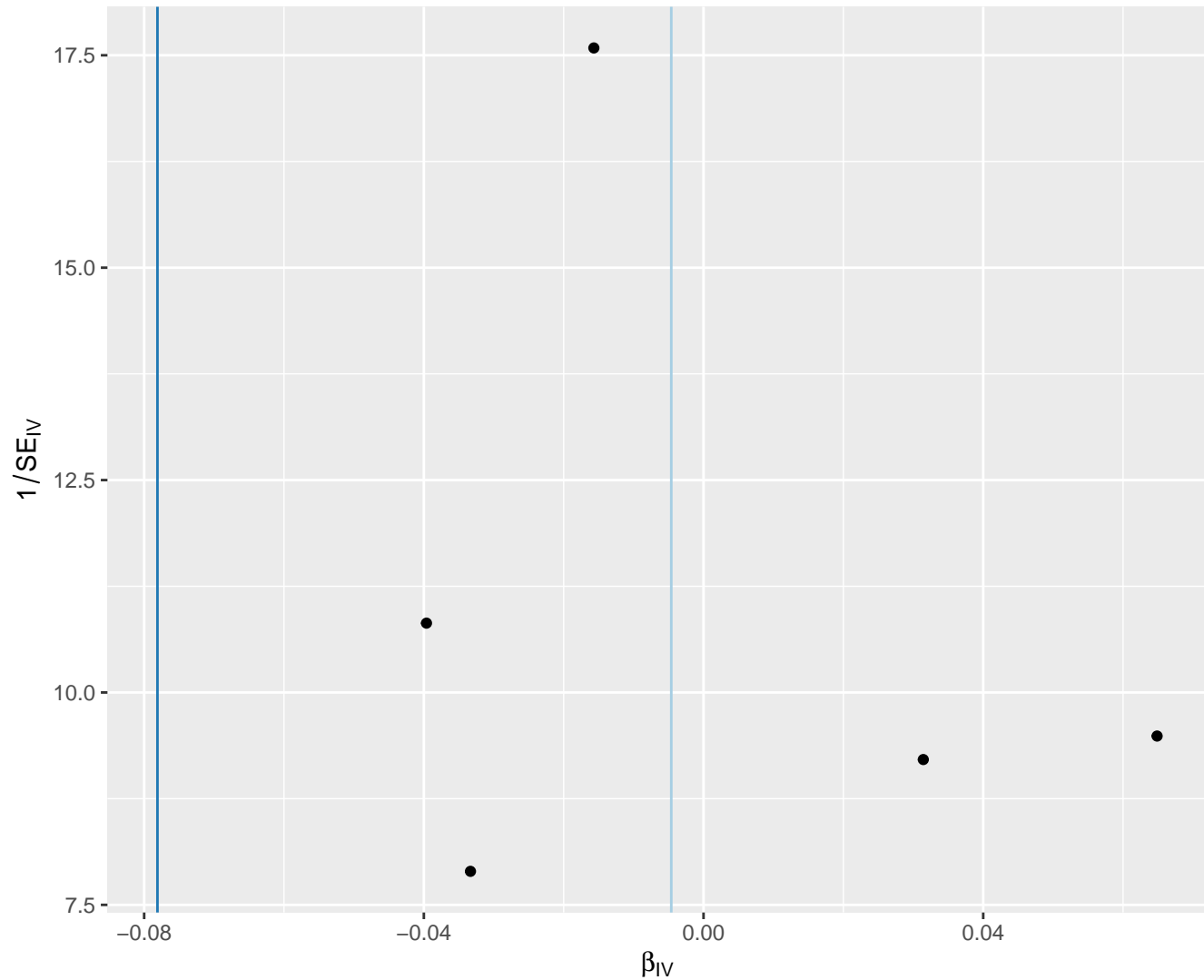
X-12443

MR Method



X-12450

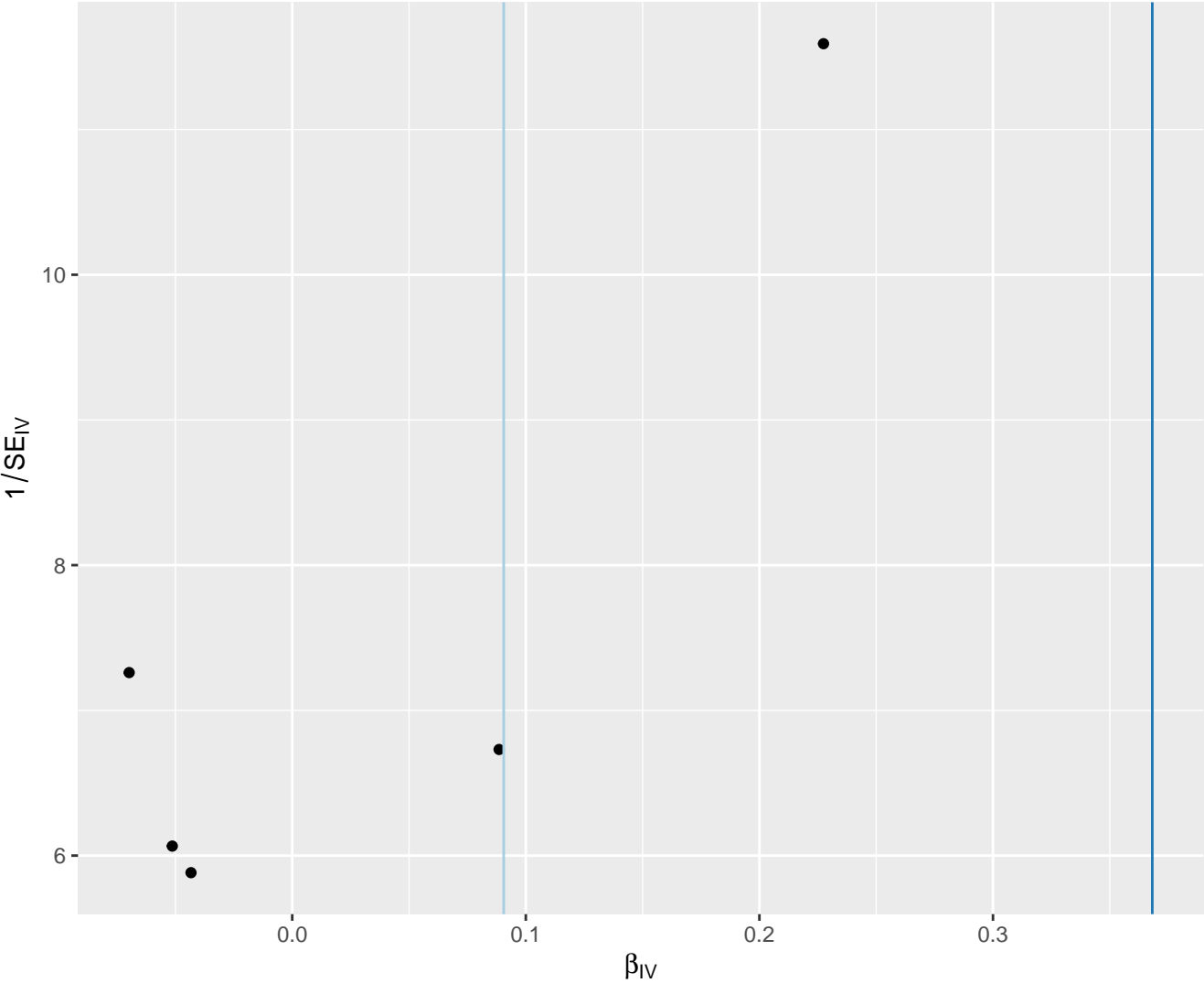
MR Method



X-12456

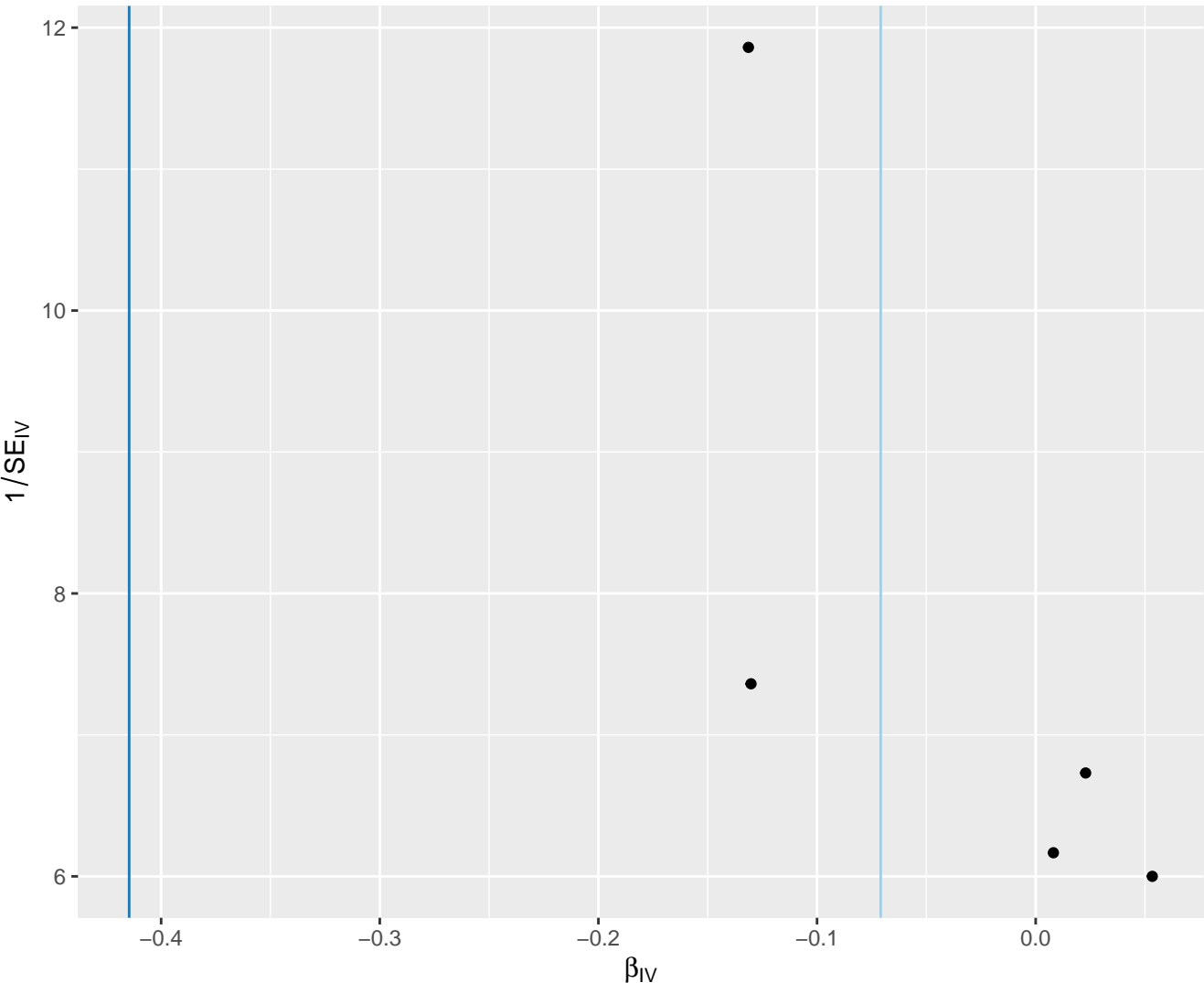
MR Method

- Inverse variance weighted
- MR Egger

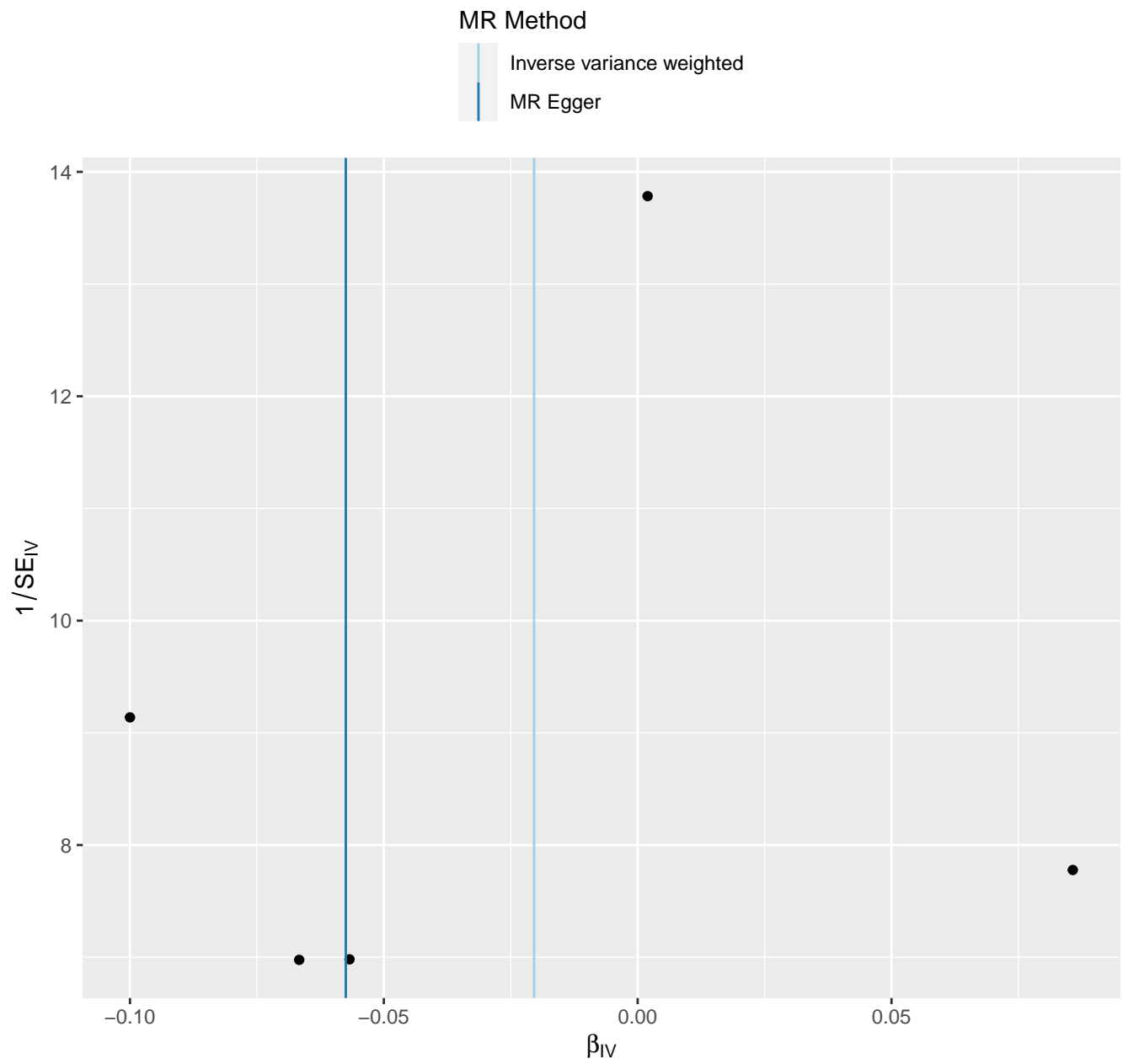


X-12465

MR Method



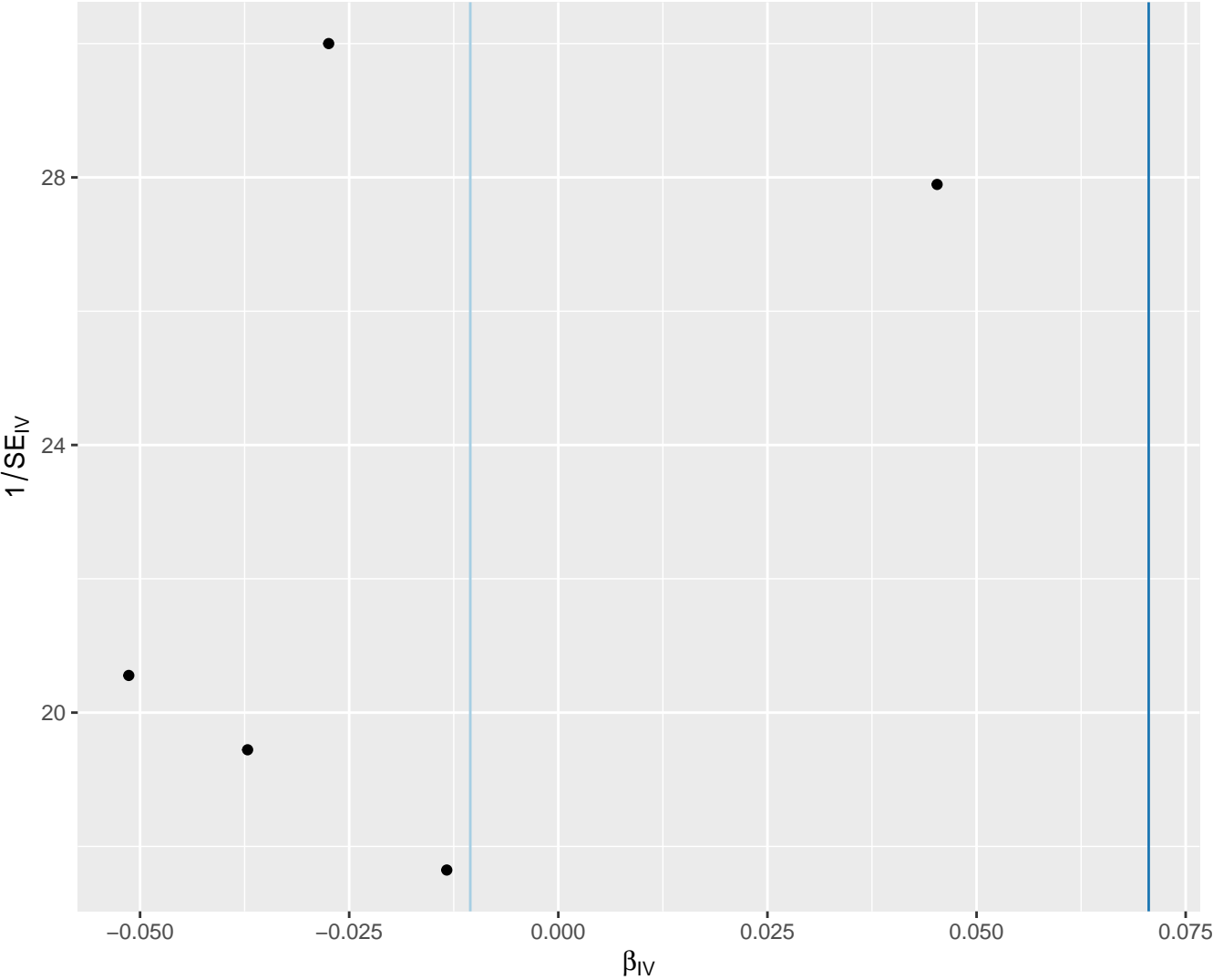
X-12510--2-aminooctanoic acid





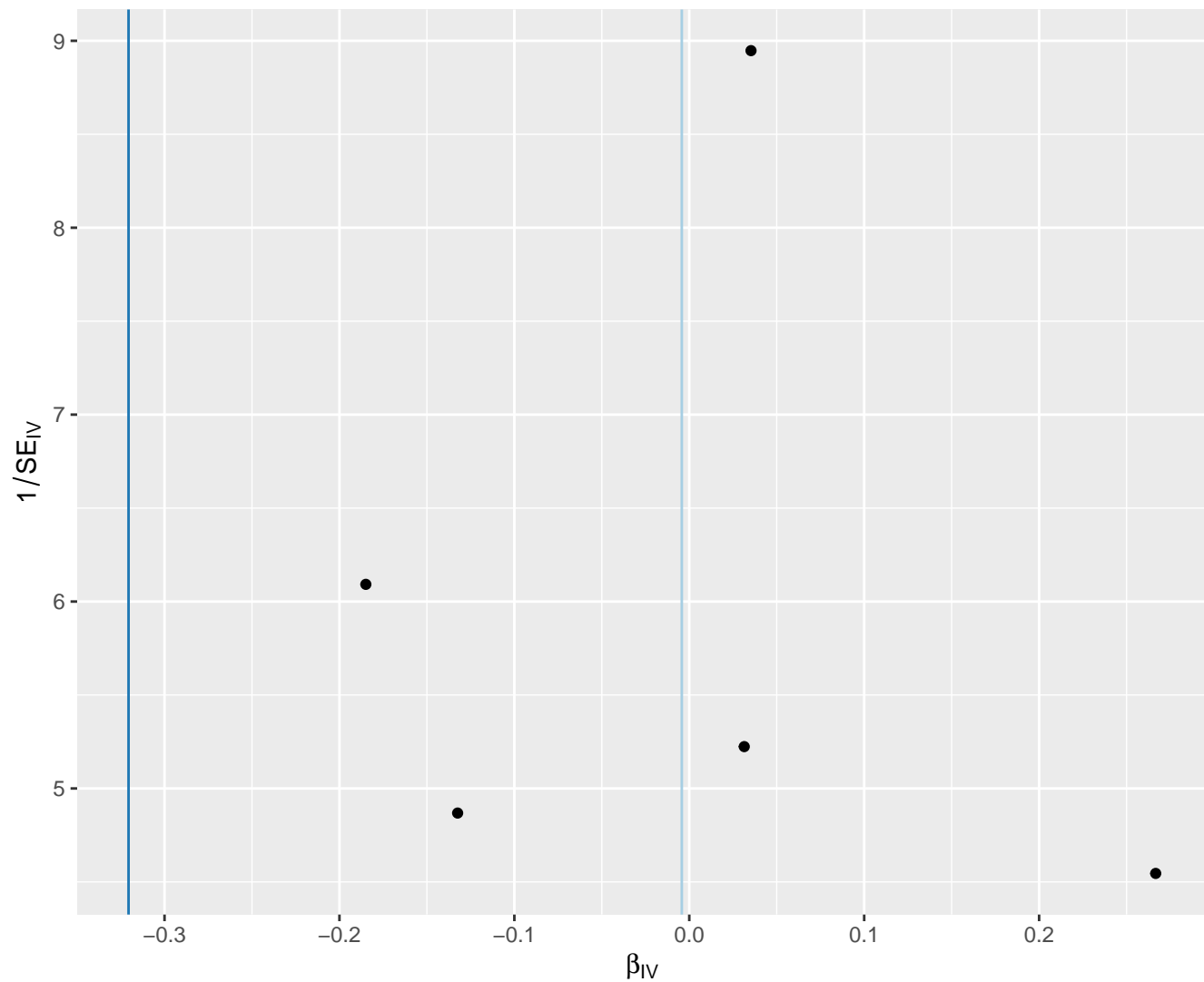
X-12524

MR Method



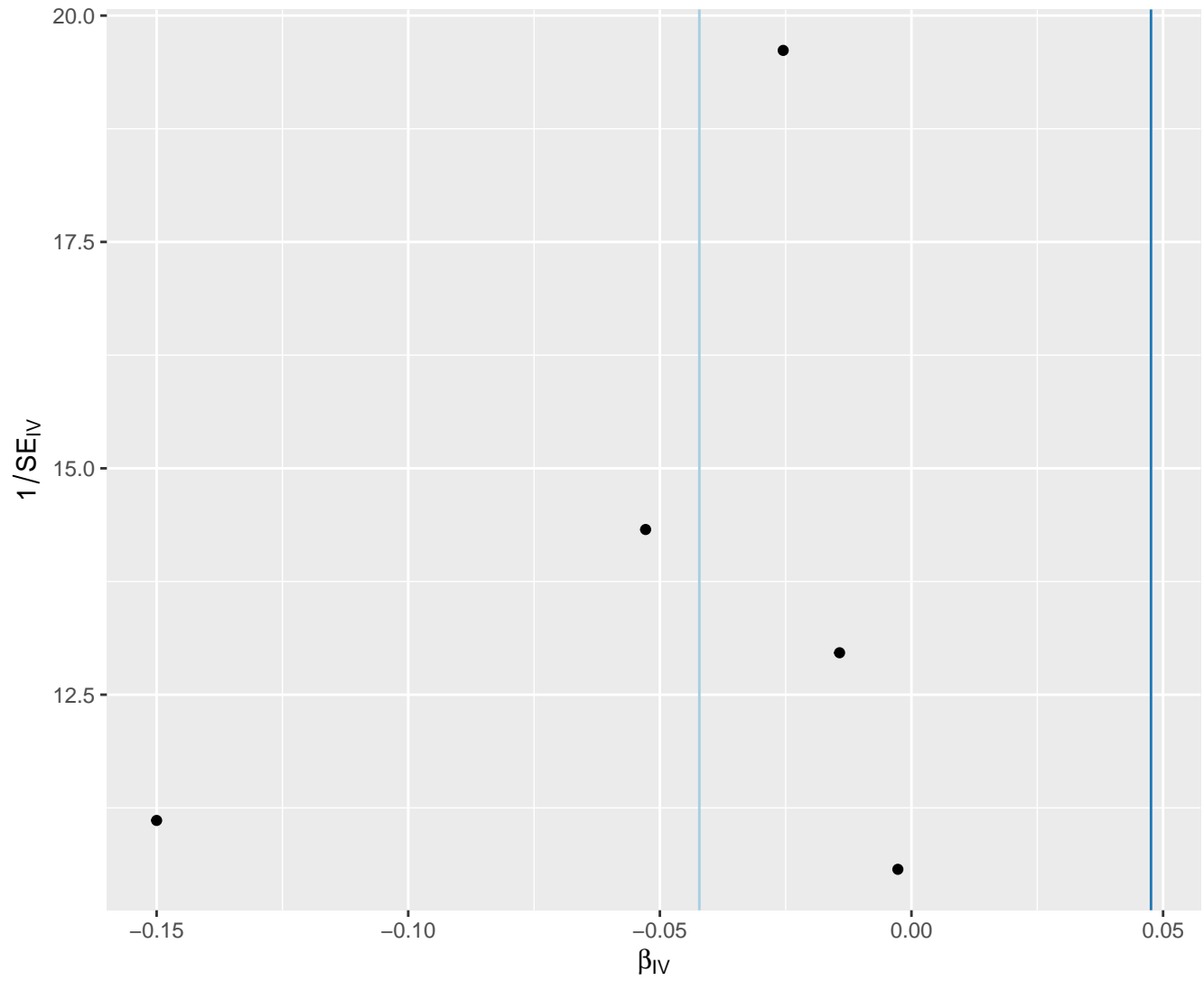
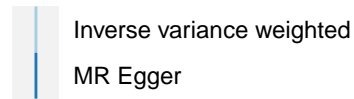
X-12544

MR Method



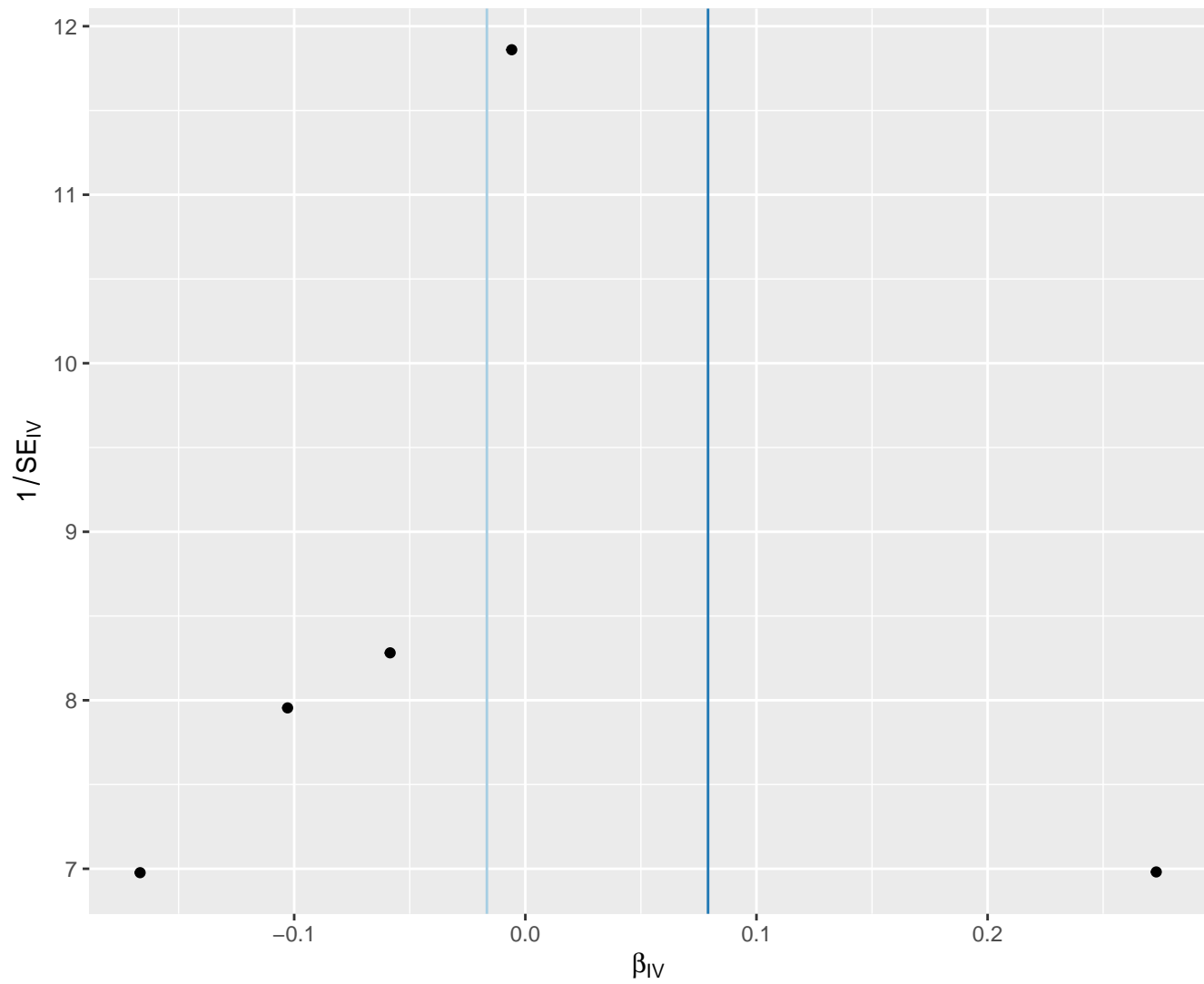
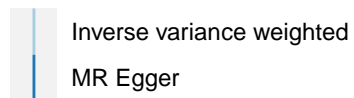
X-12556

MR Method



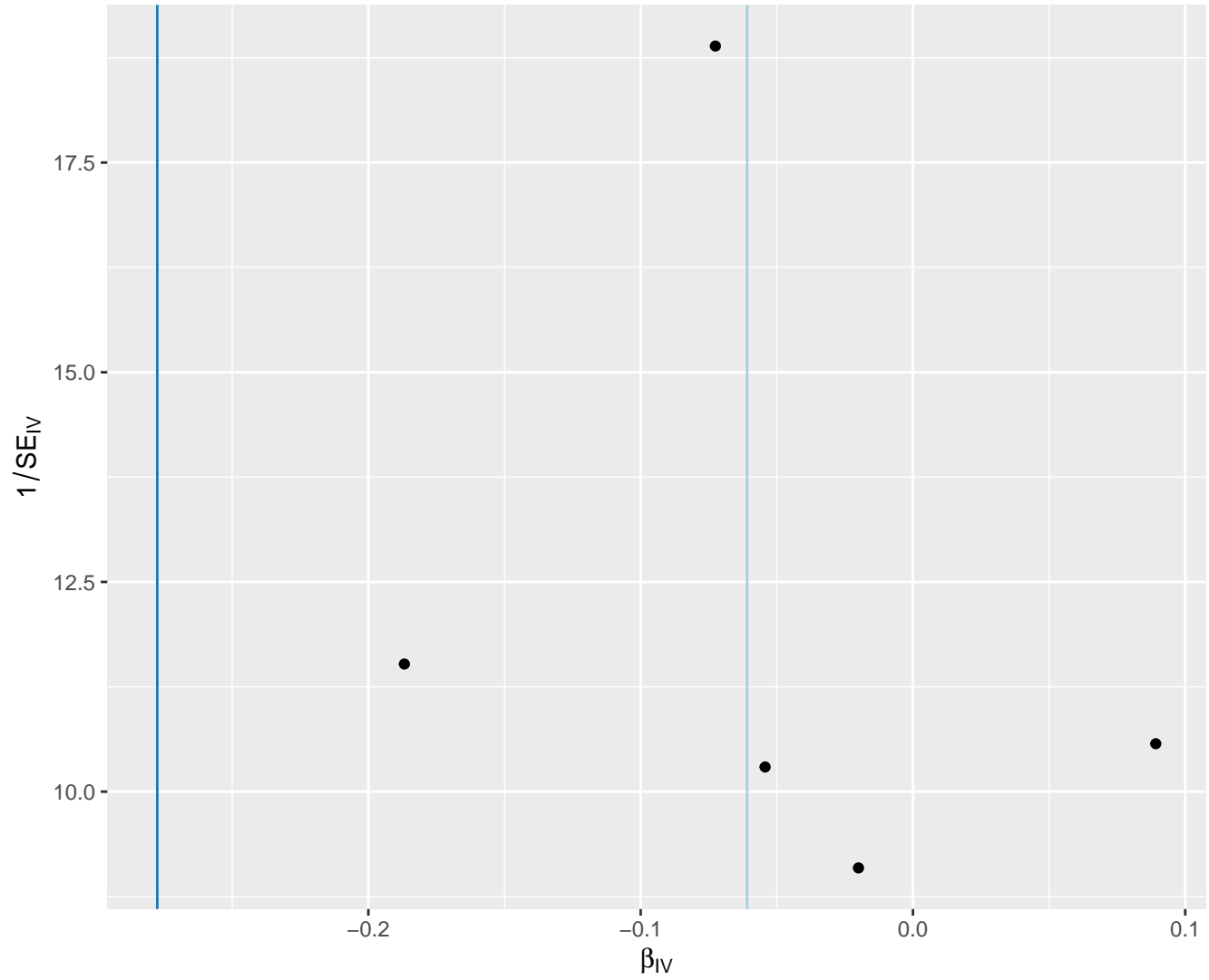
X-12627

MR Method



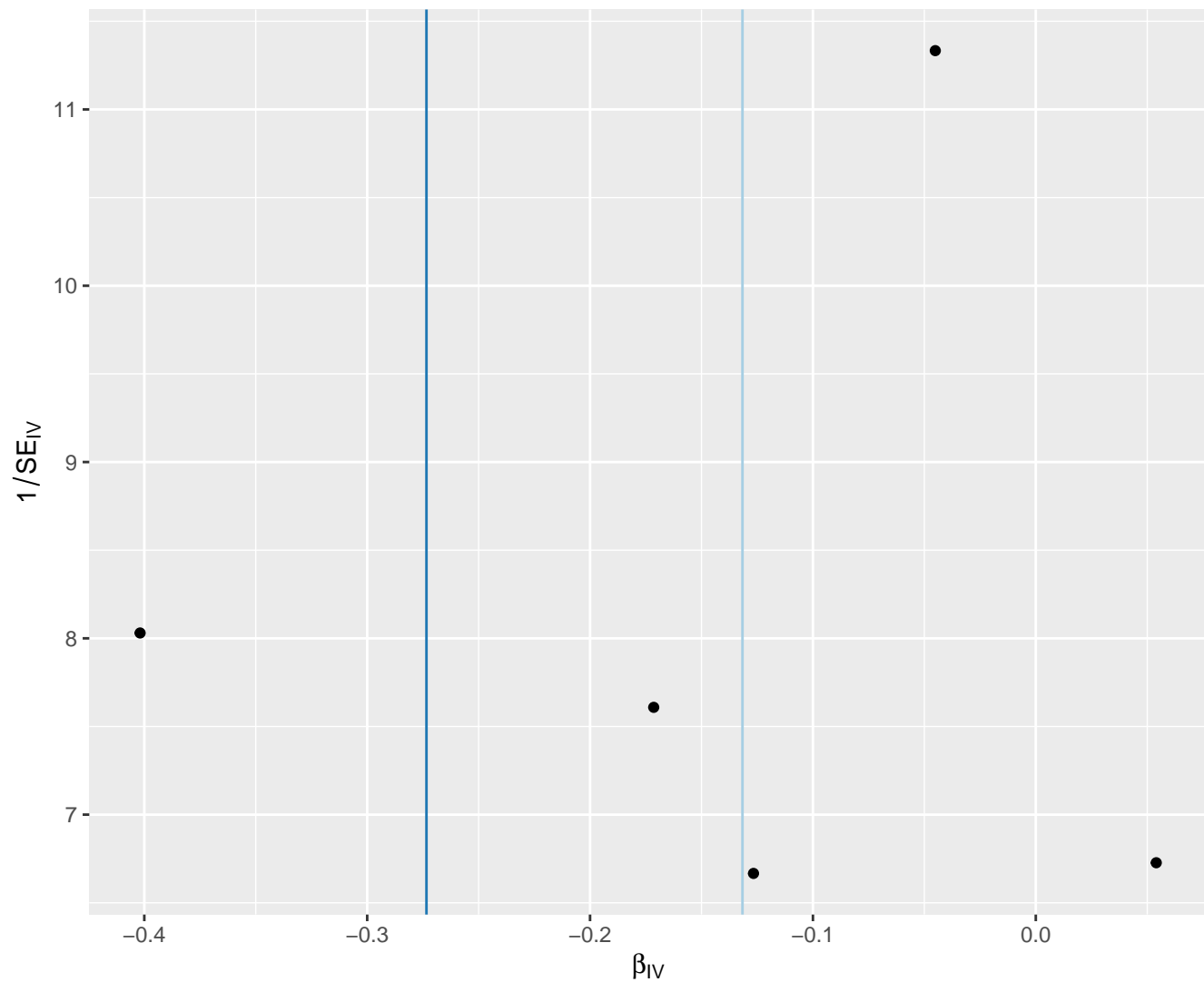
X-12644

MR Method



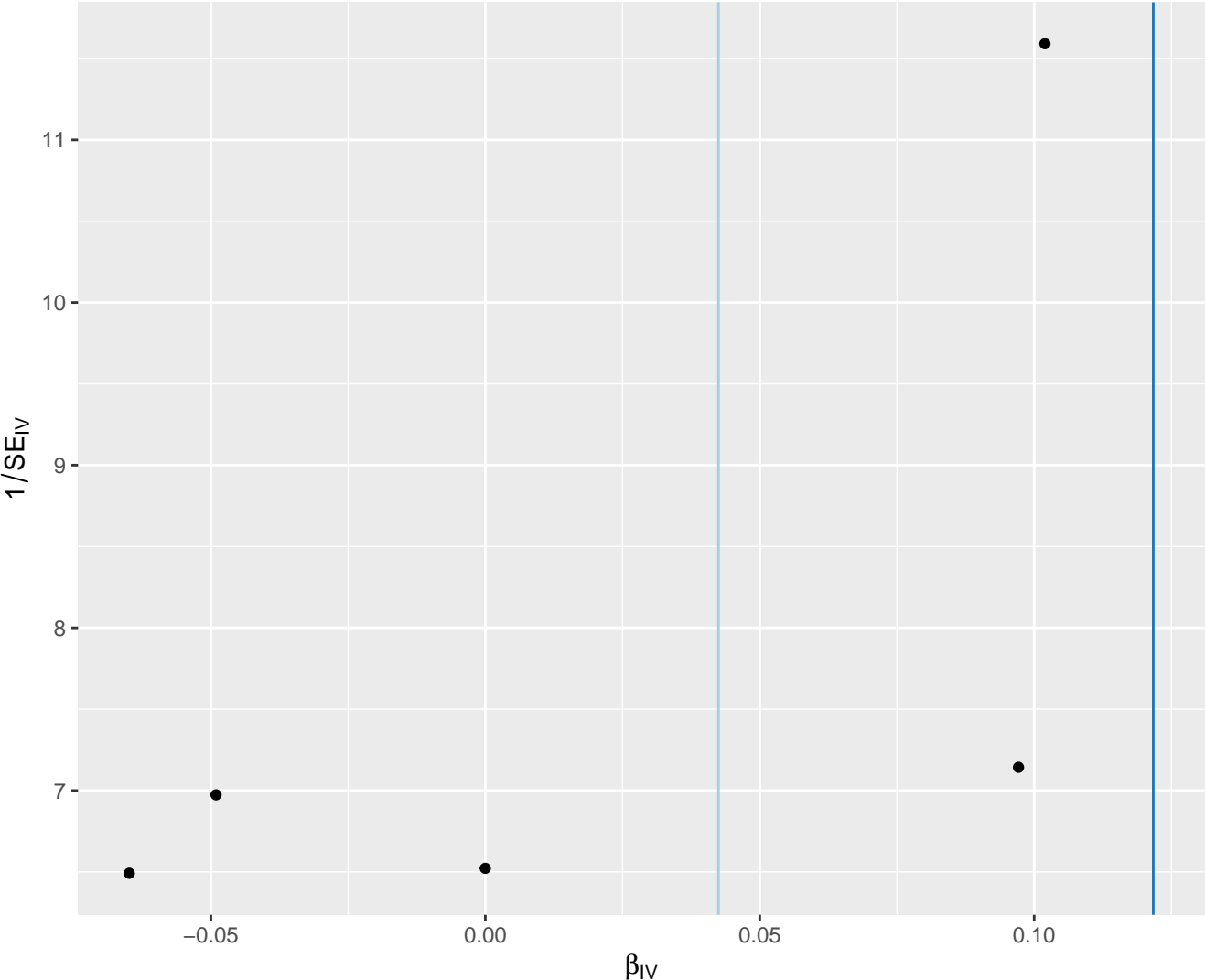
X-12645

MR Method



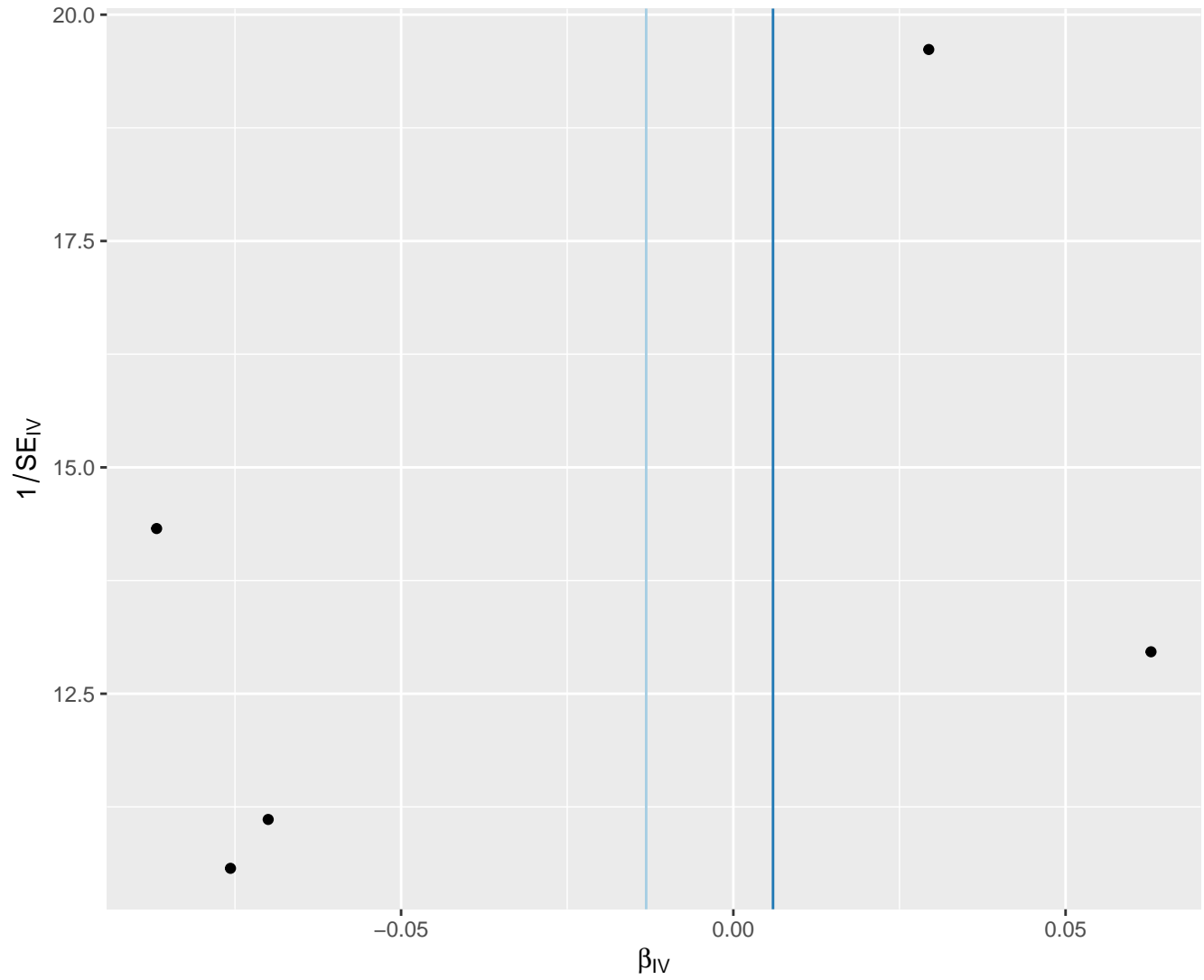
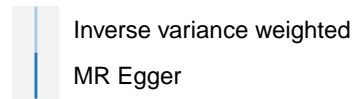
X-12680

MR Method



X-12696

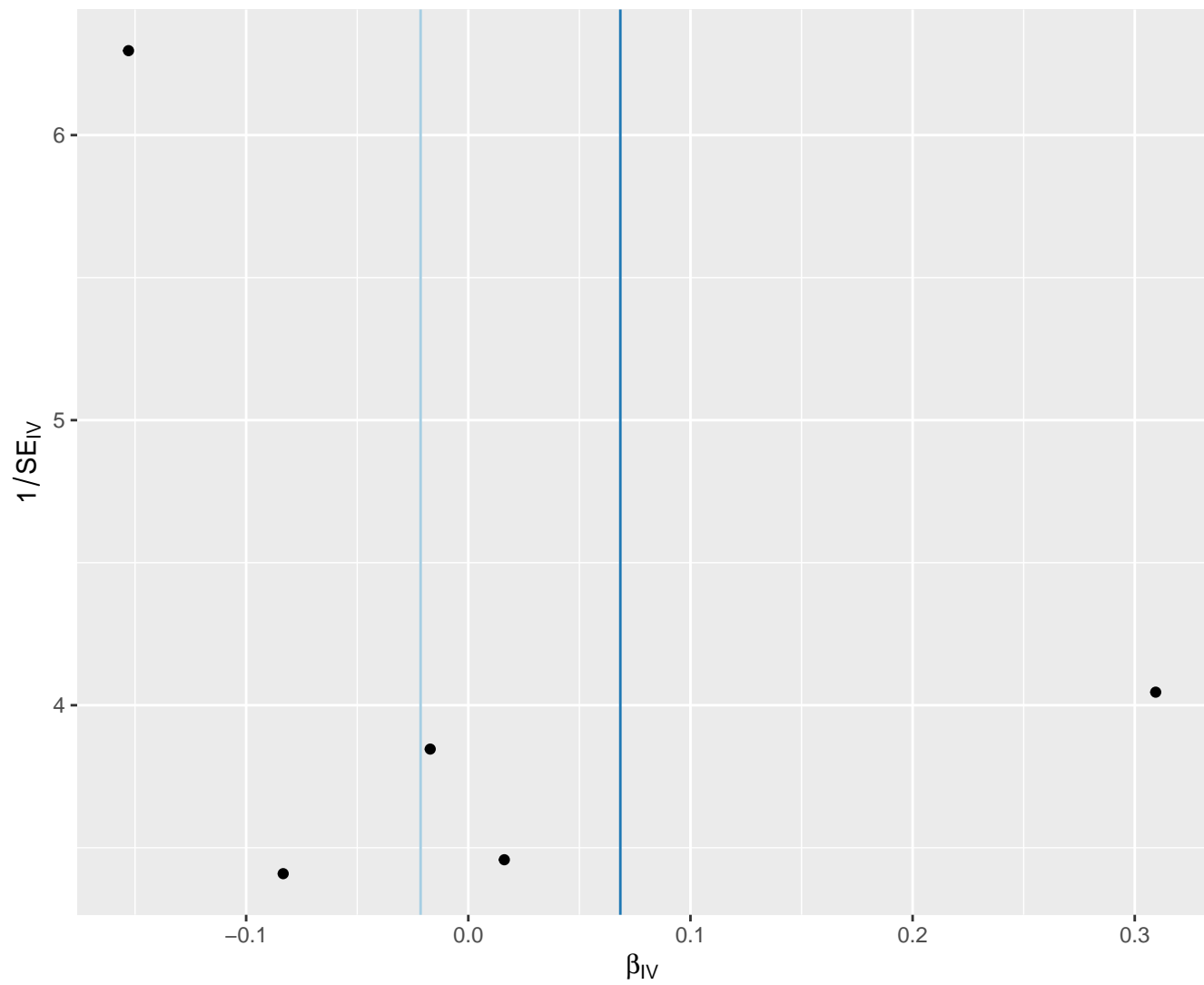
MR Method





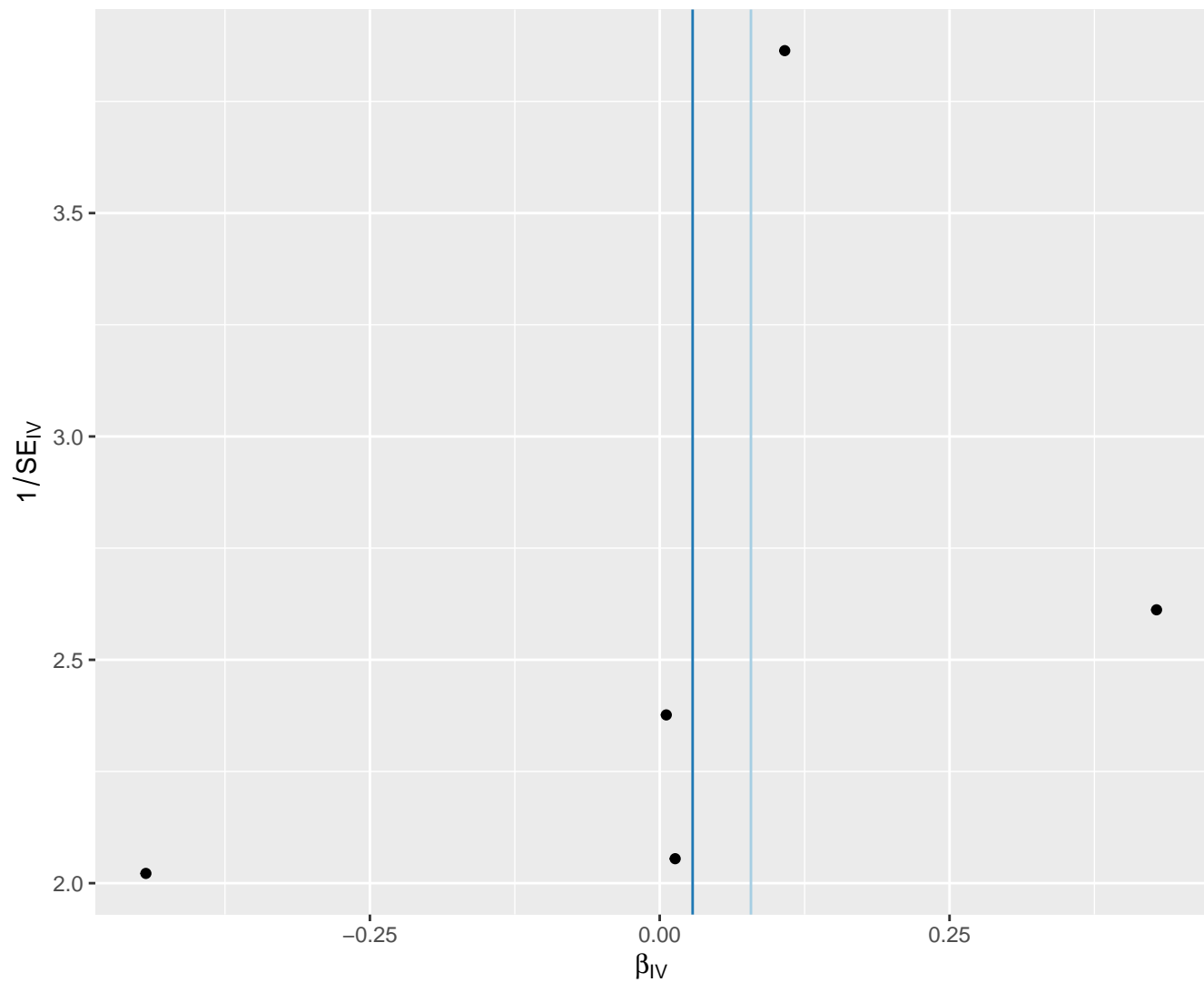
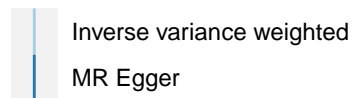
X-12704

MR Method

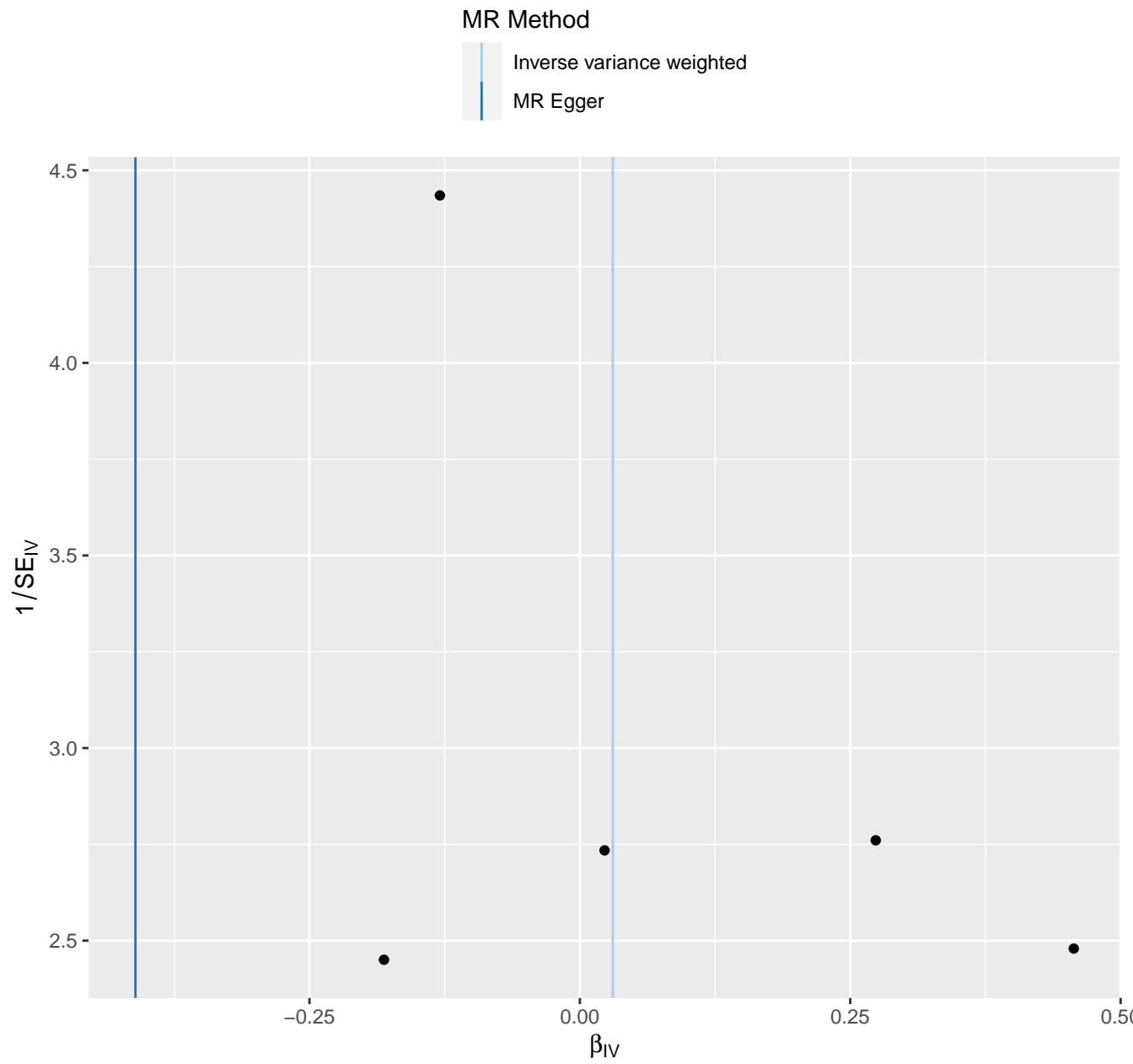


X-12712

MR Method

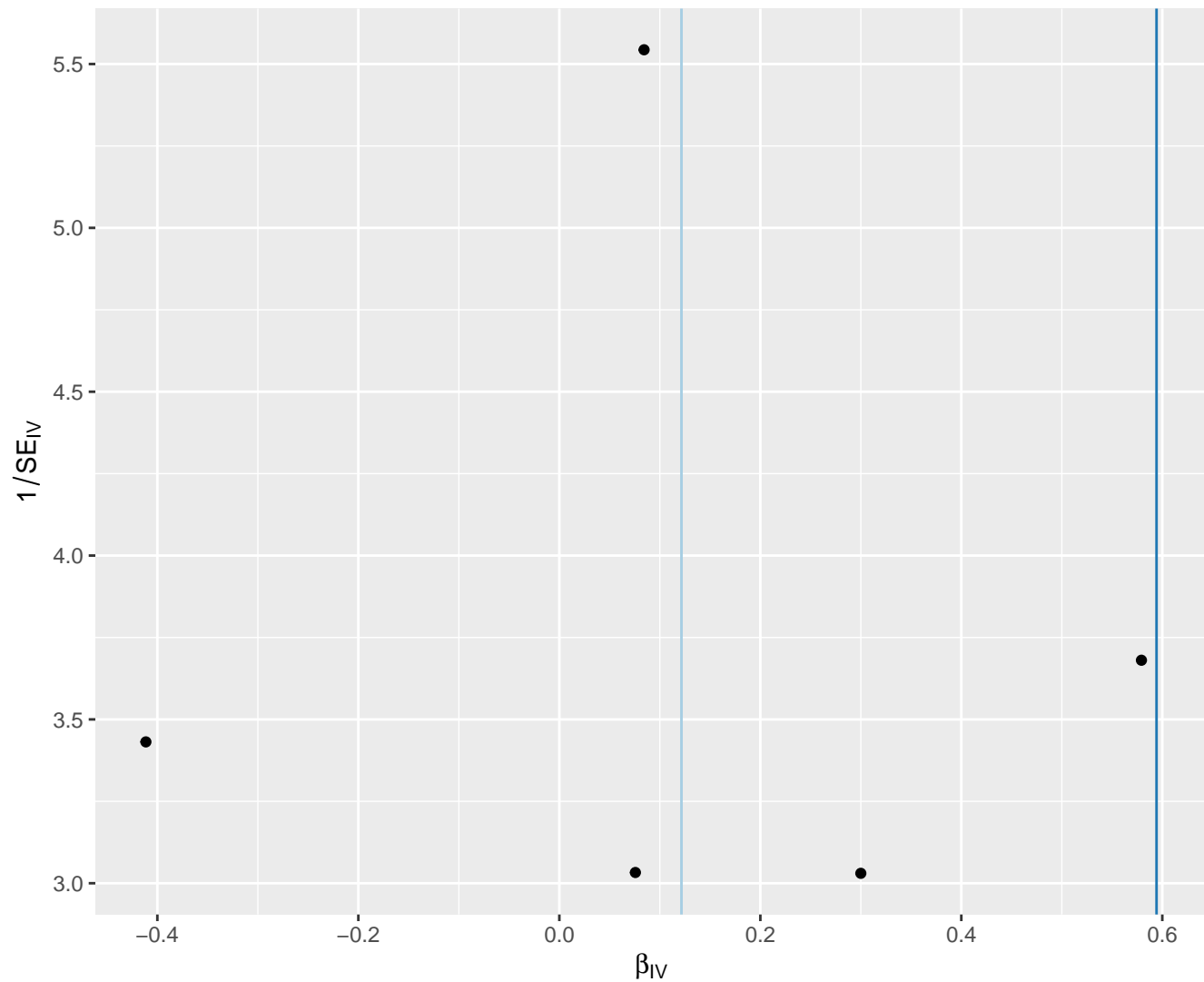
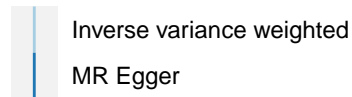


X-12717



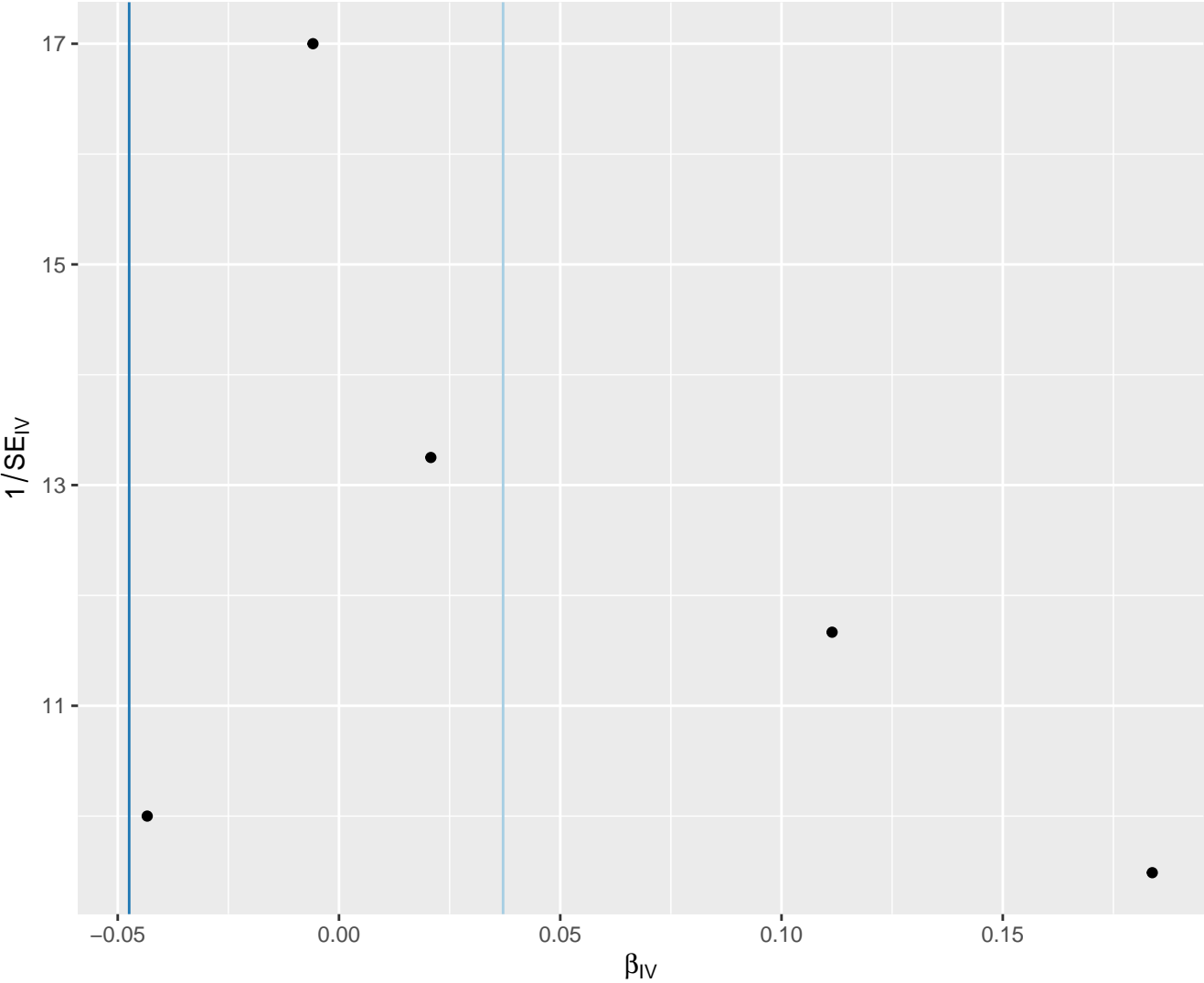
X-12719

MR Method



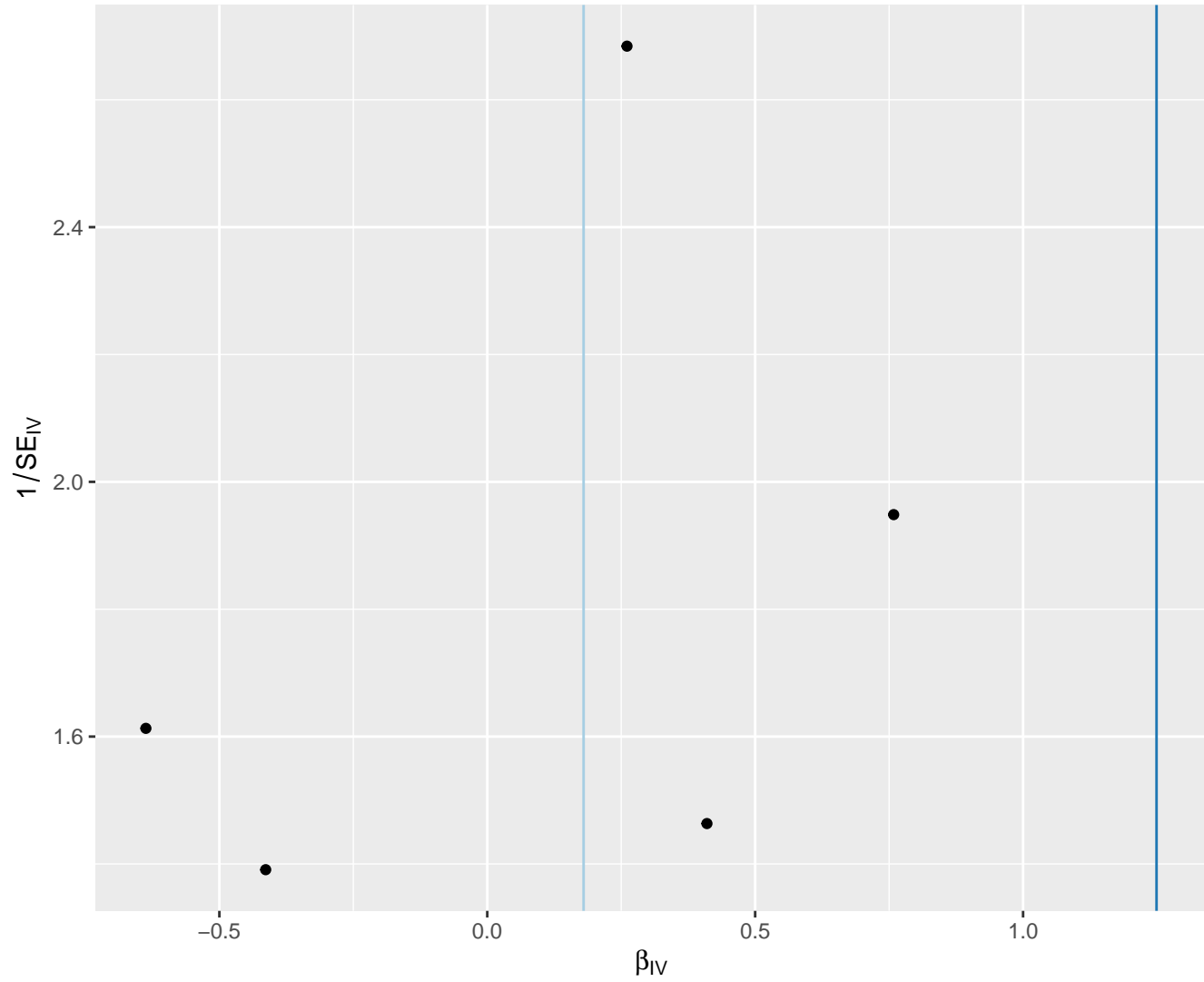
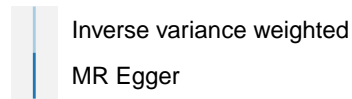
X-12726

MR Method



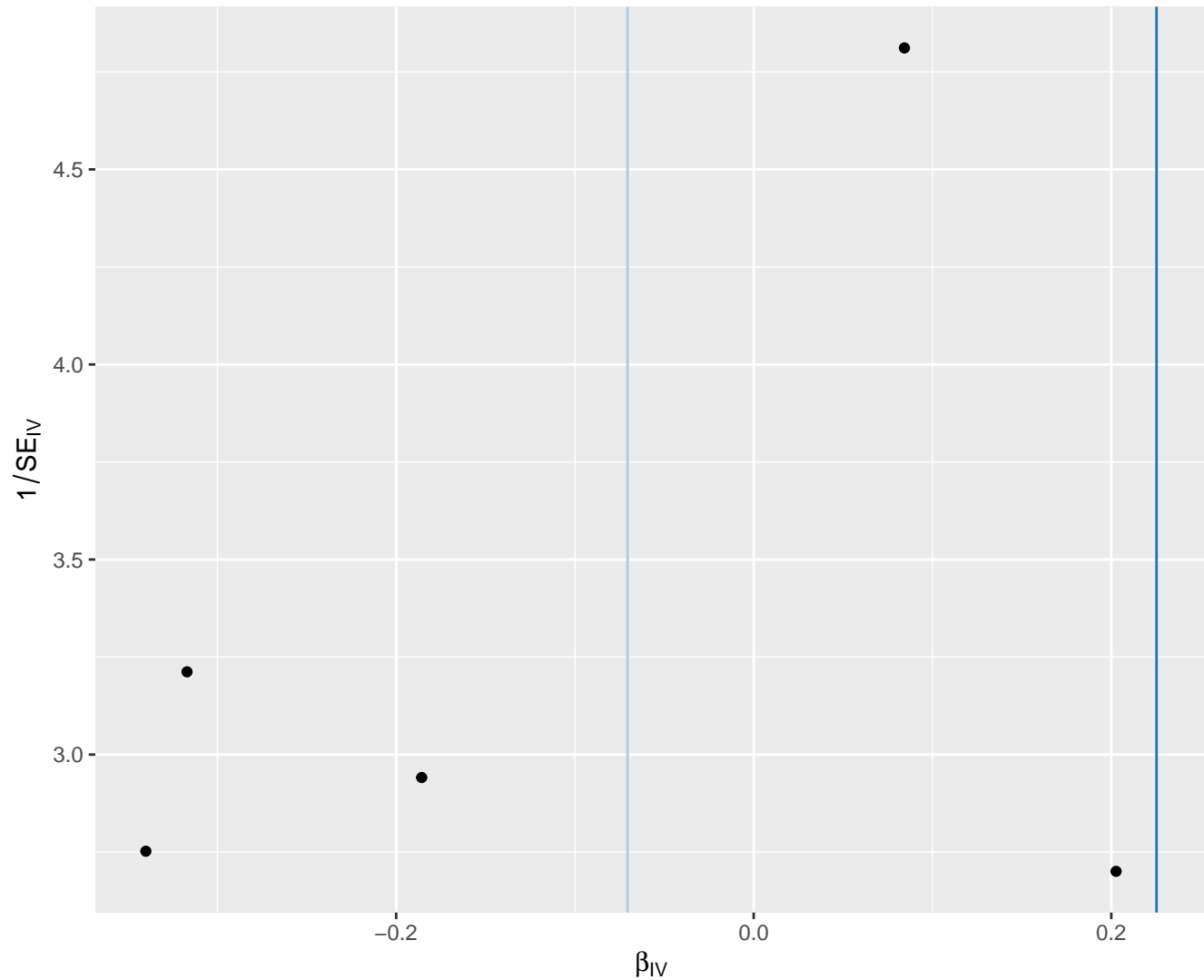
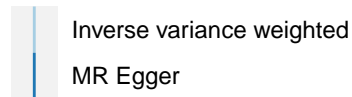
X-12728

MR Method



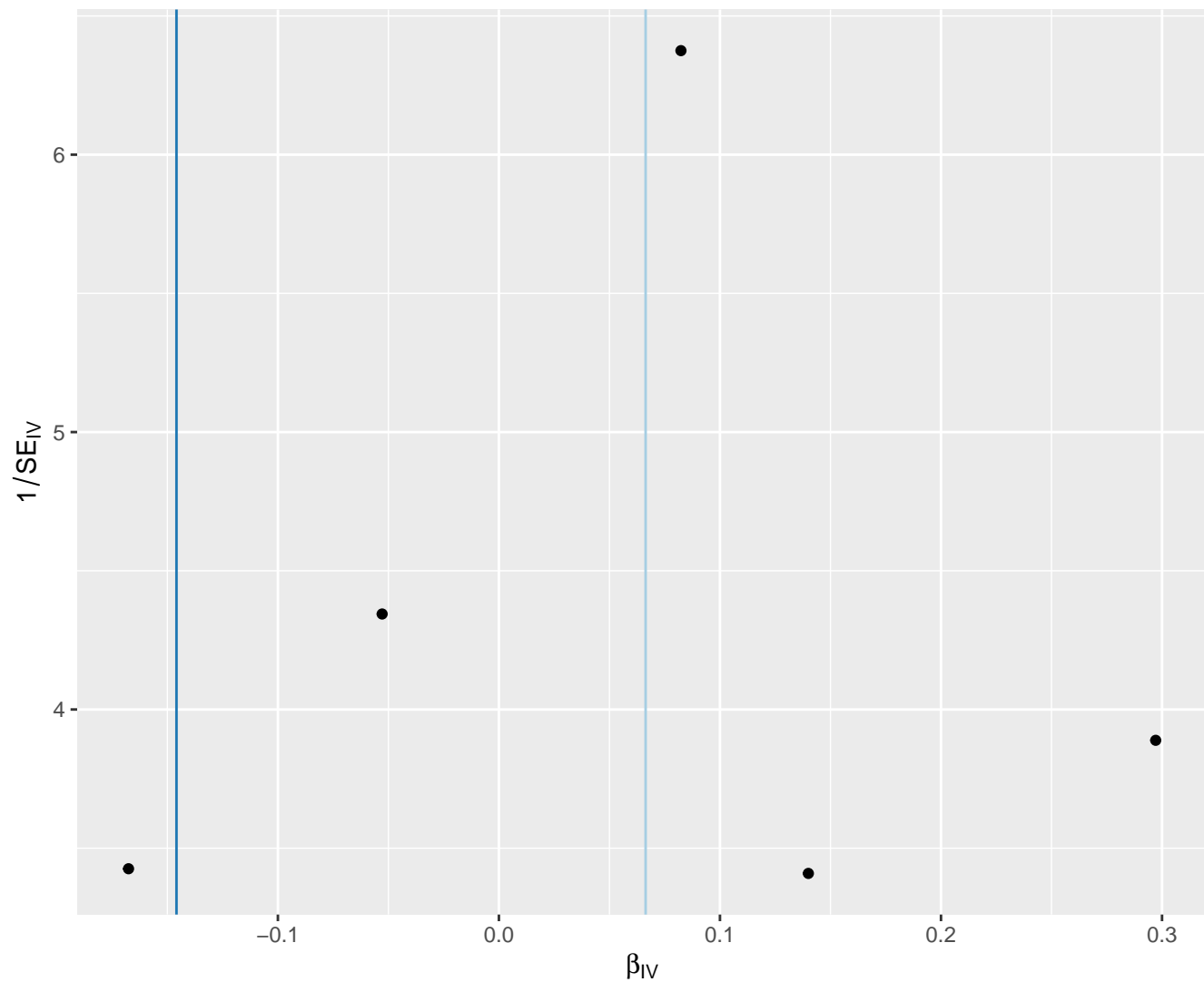
X-12729

MR Method



X-12734

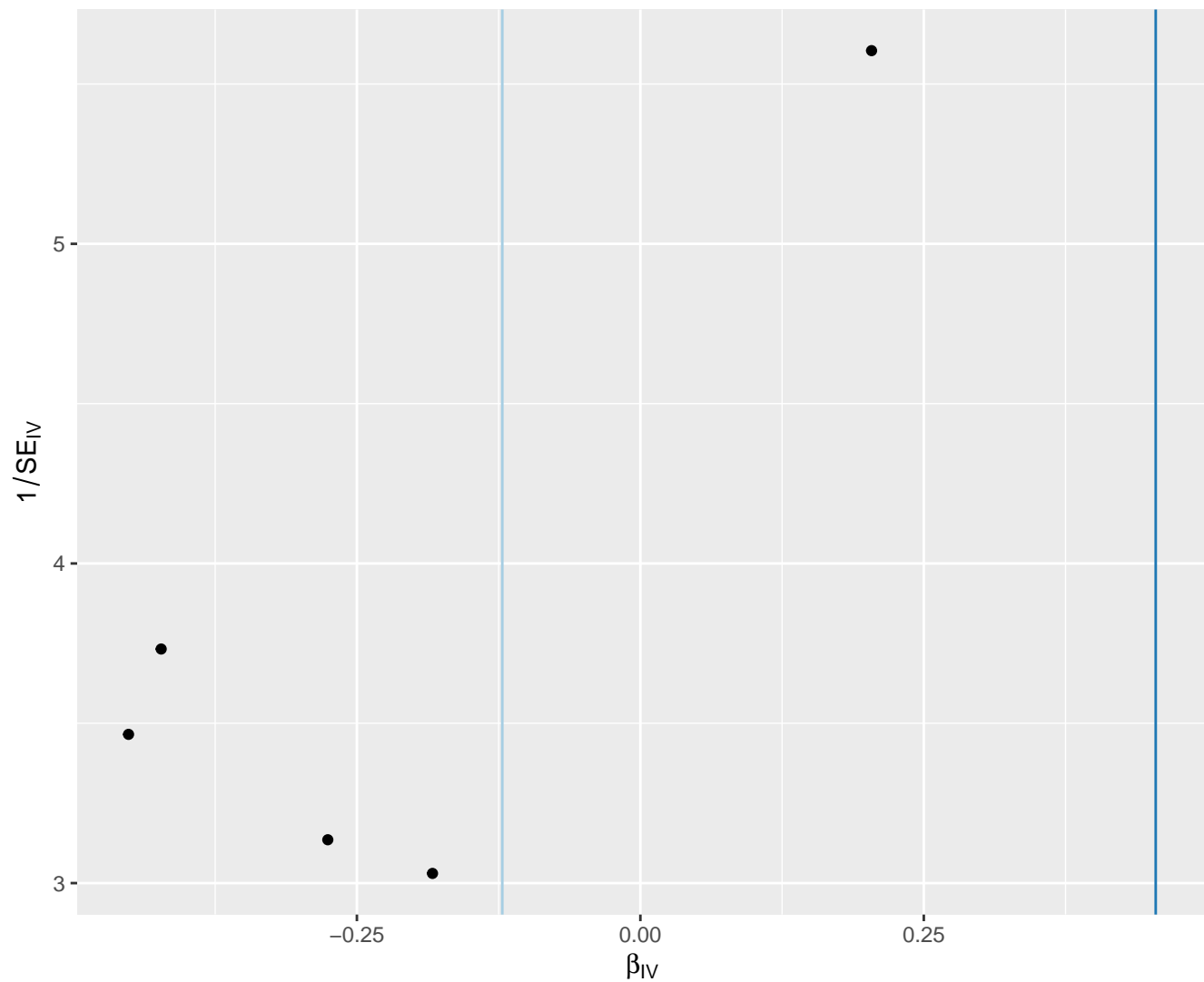
MR Method





X-12740

MR Method



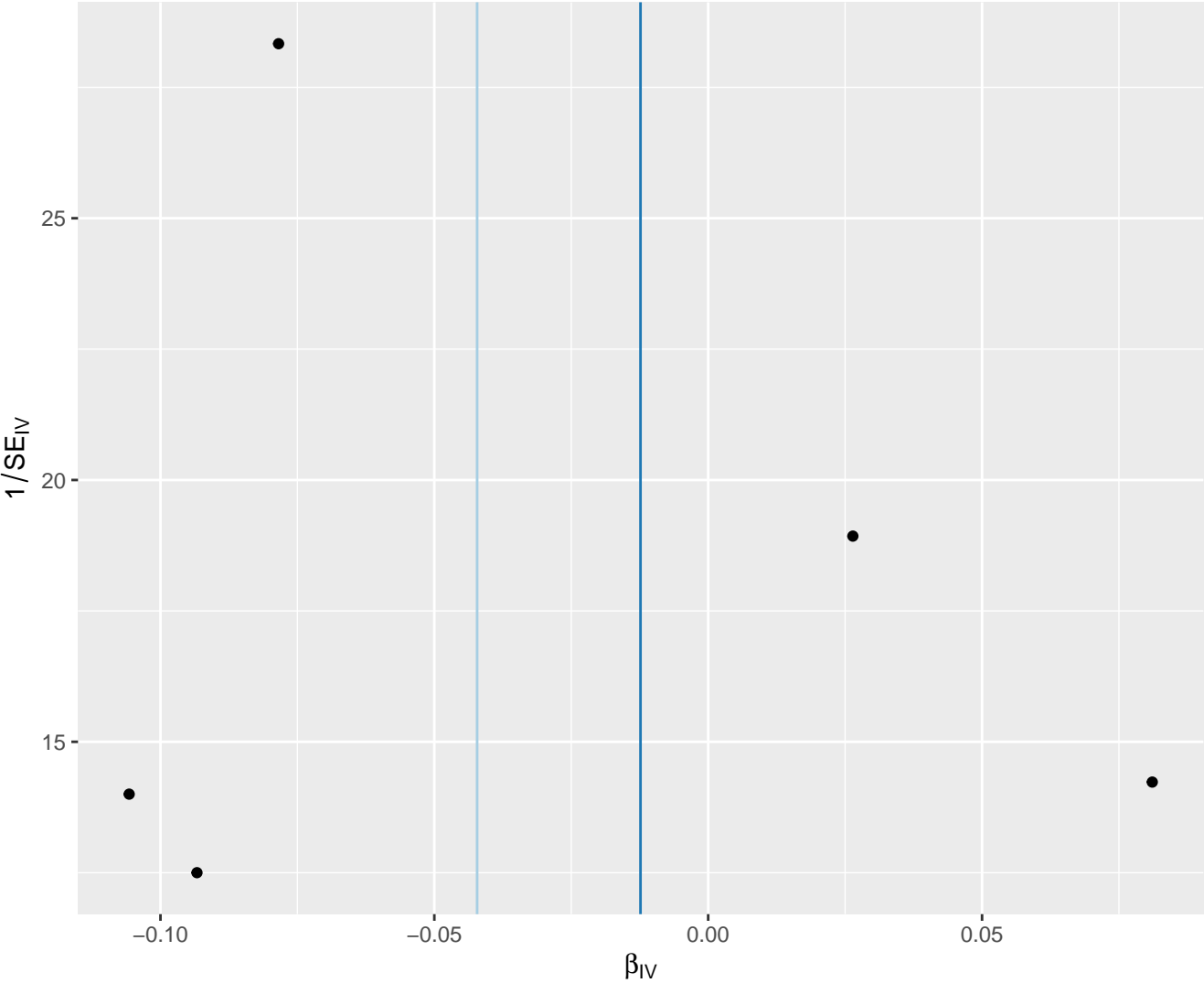
X-12749

MR Method



Inverse variance weighted

MR Egger



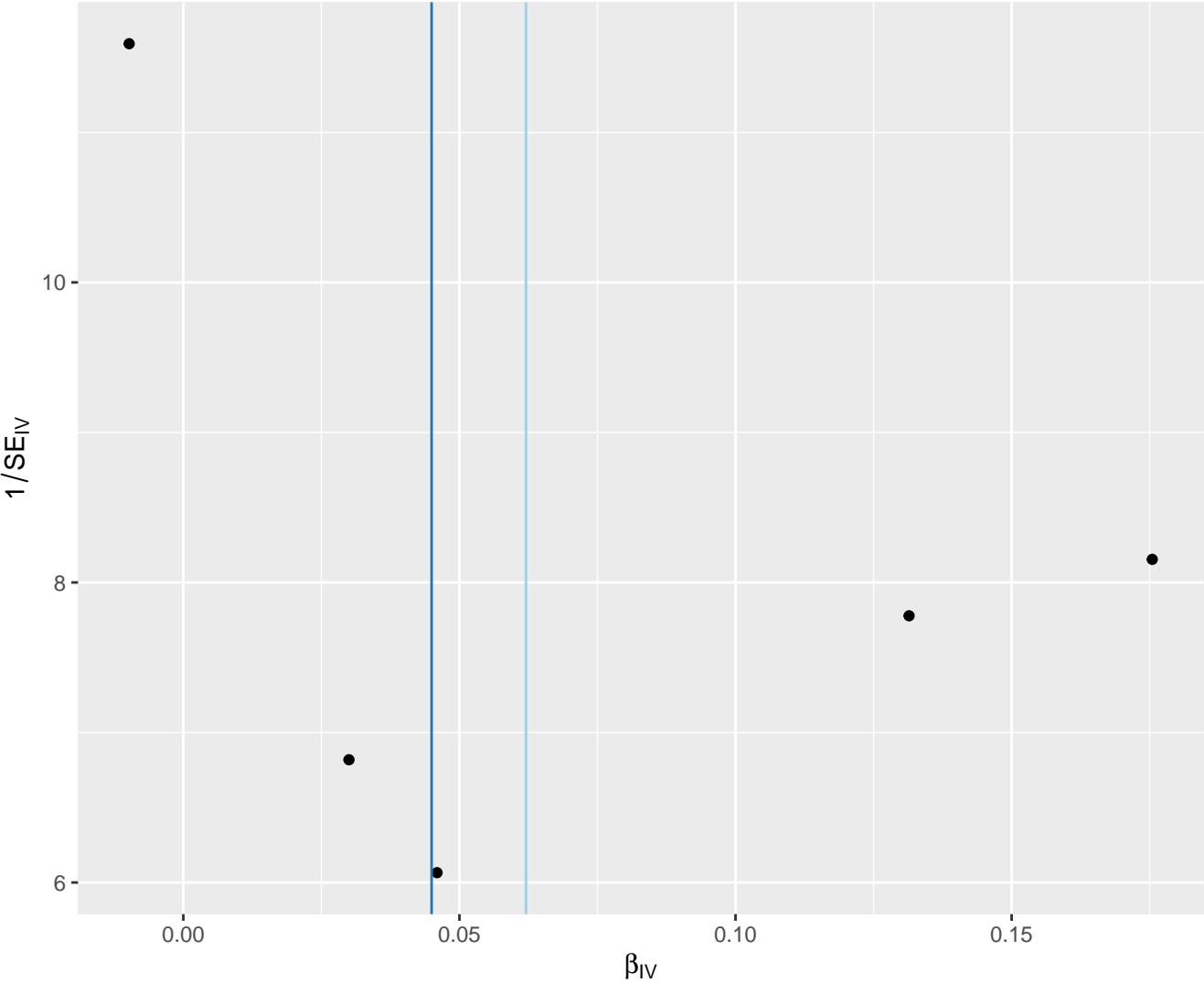
X-12771

MR Method



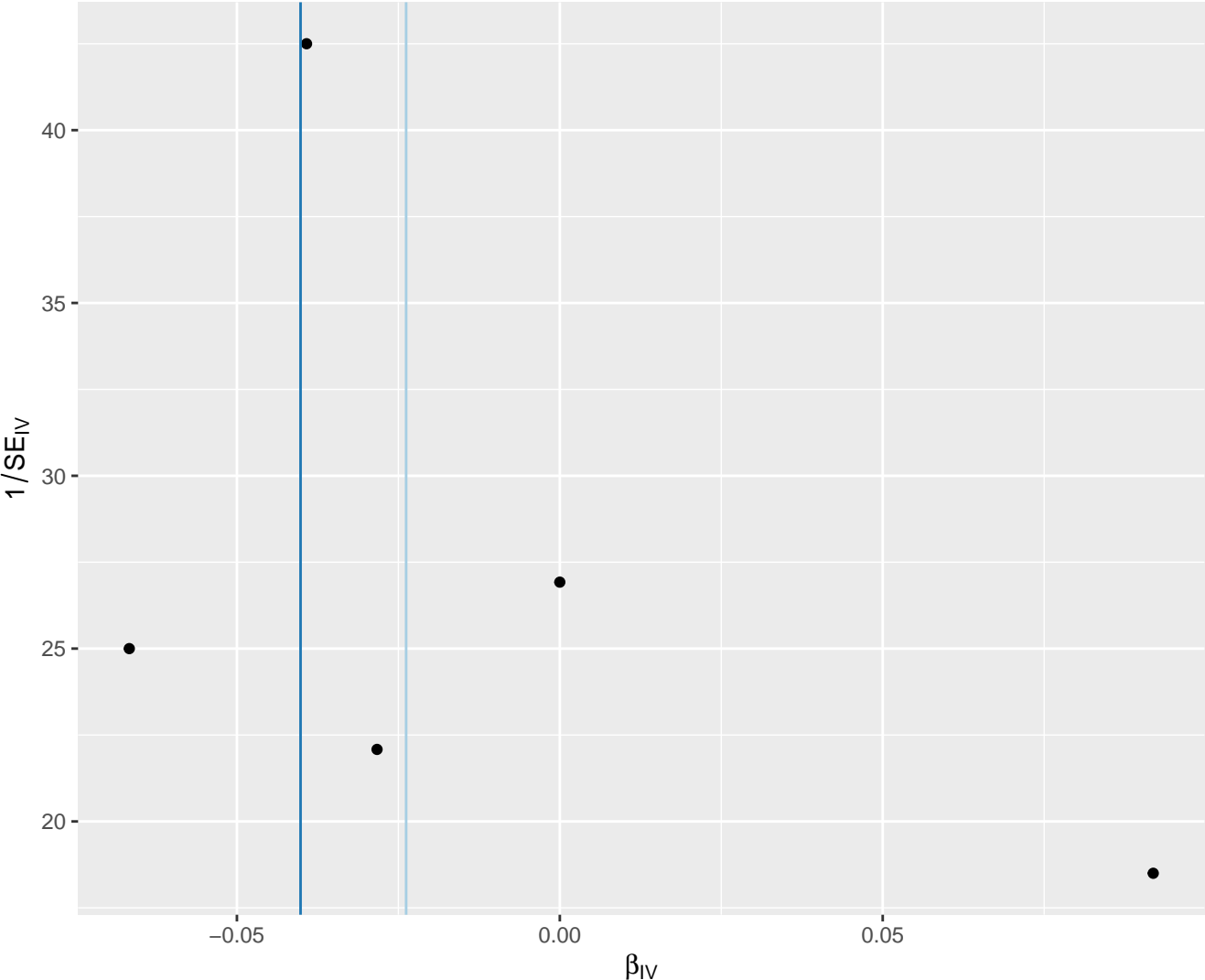
Inverse variance weighted

MR Egger



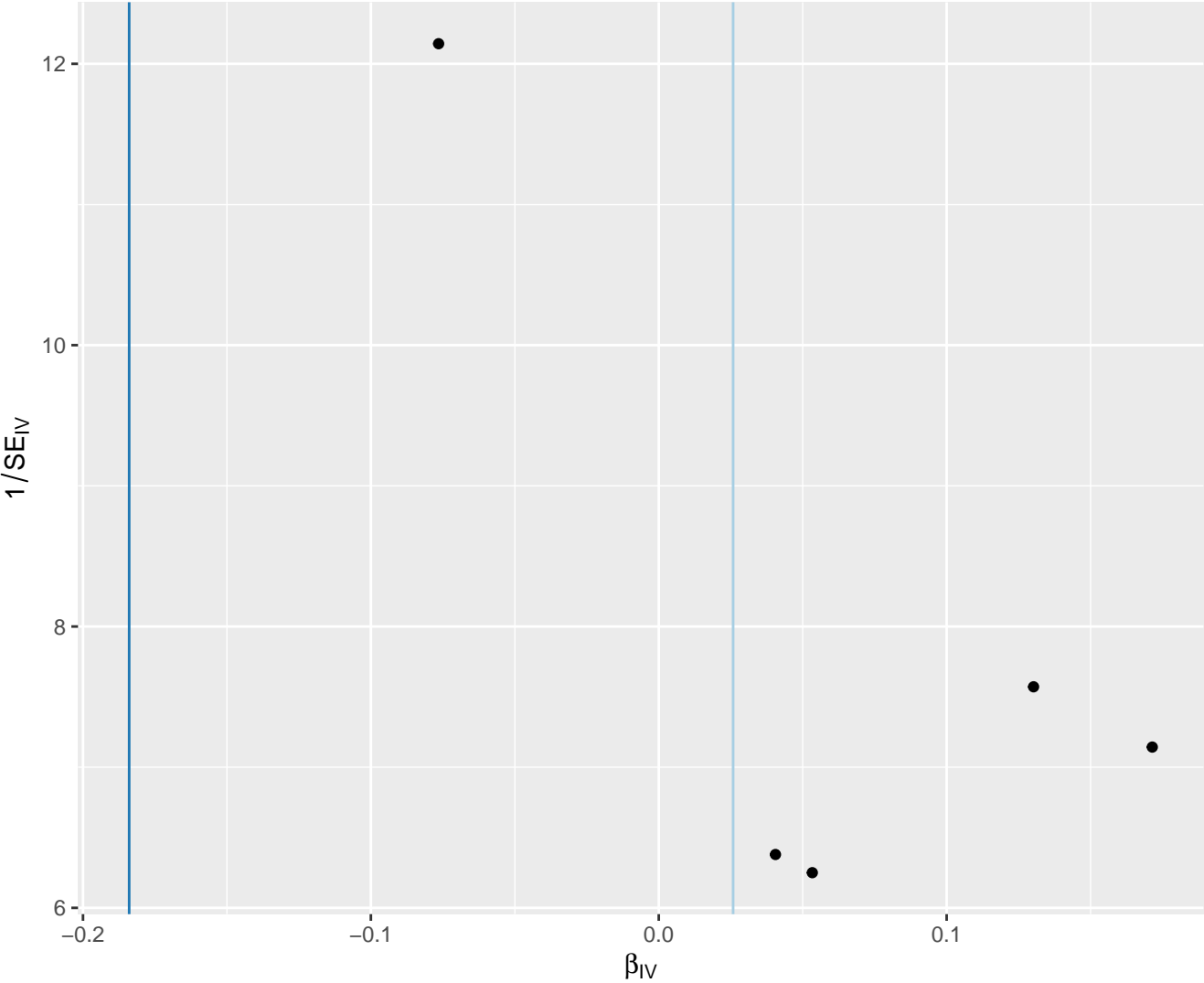
X-12776

MR Method



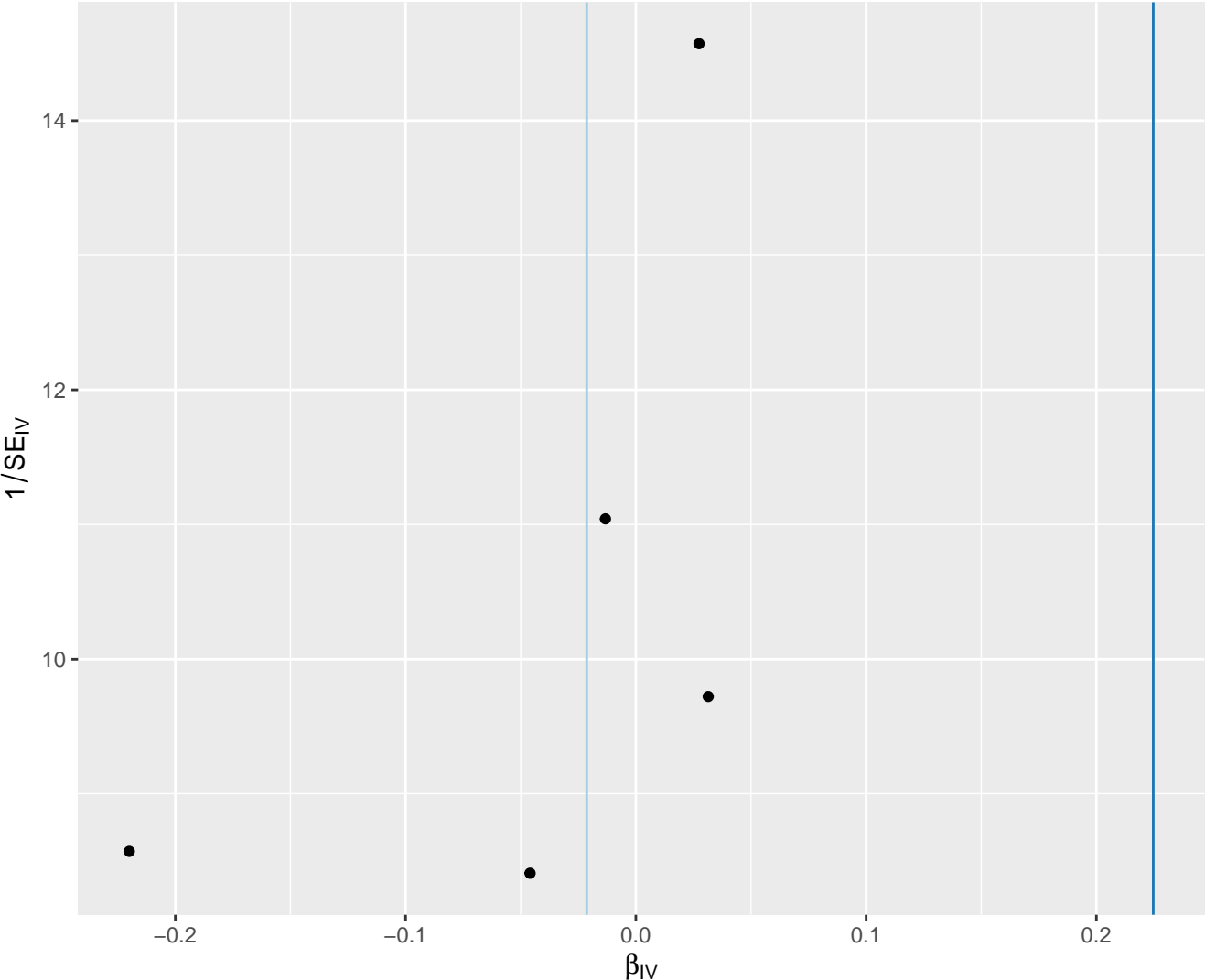
X-12786

MR Method



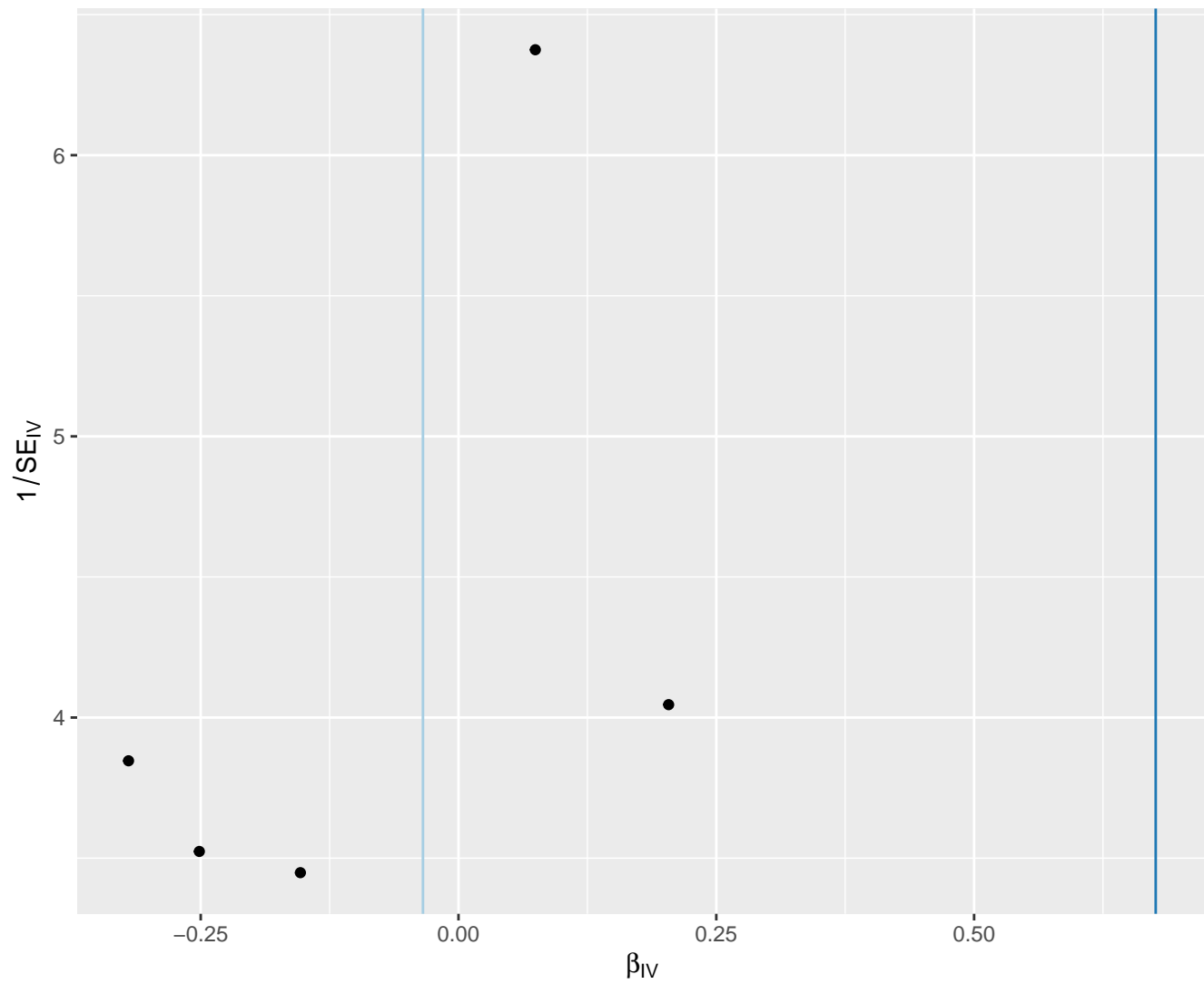
X-12798

MR Method



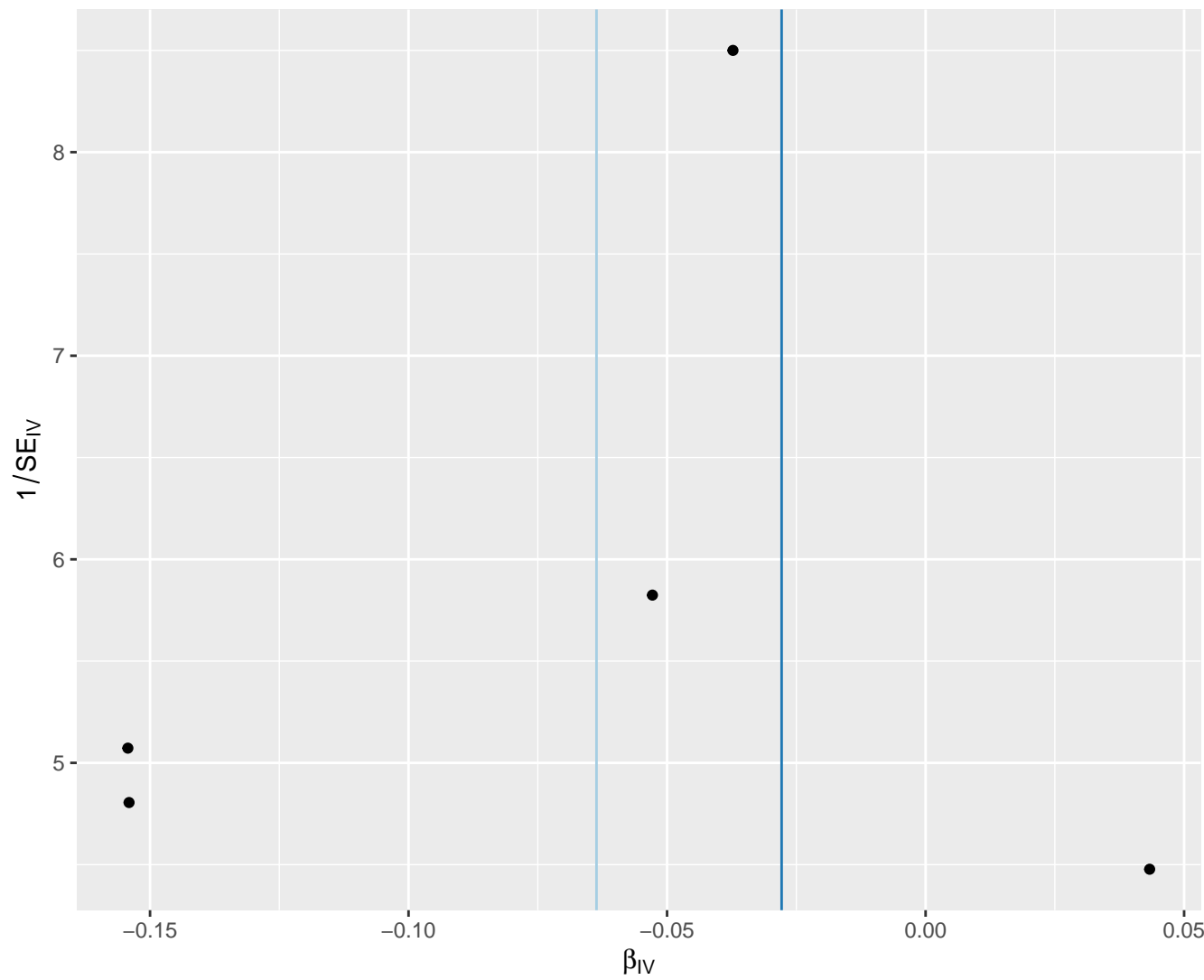
X-12816

MR Method



X-12830

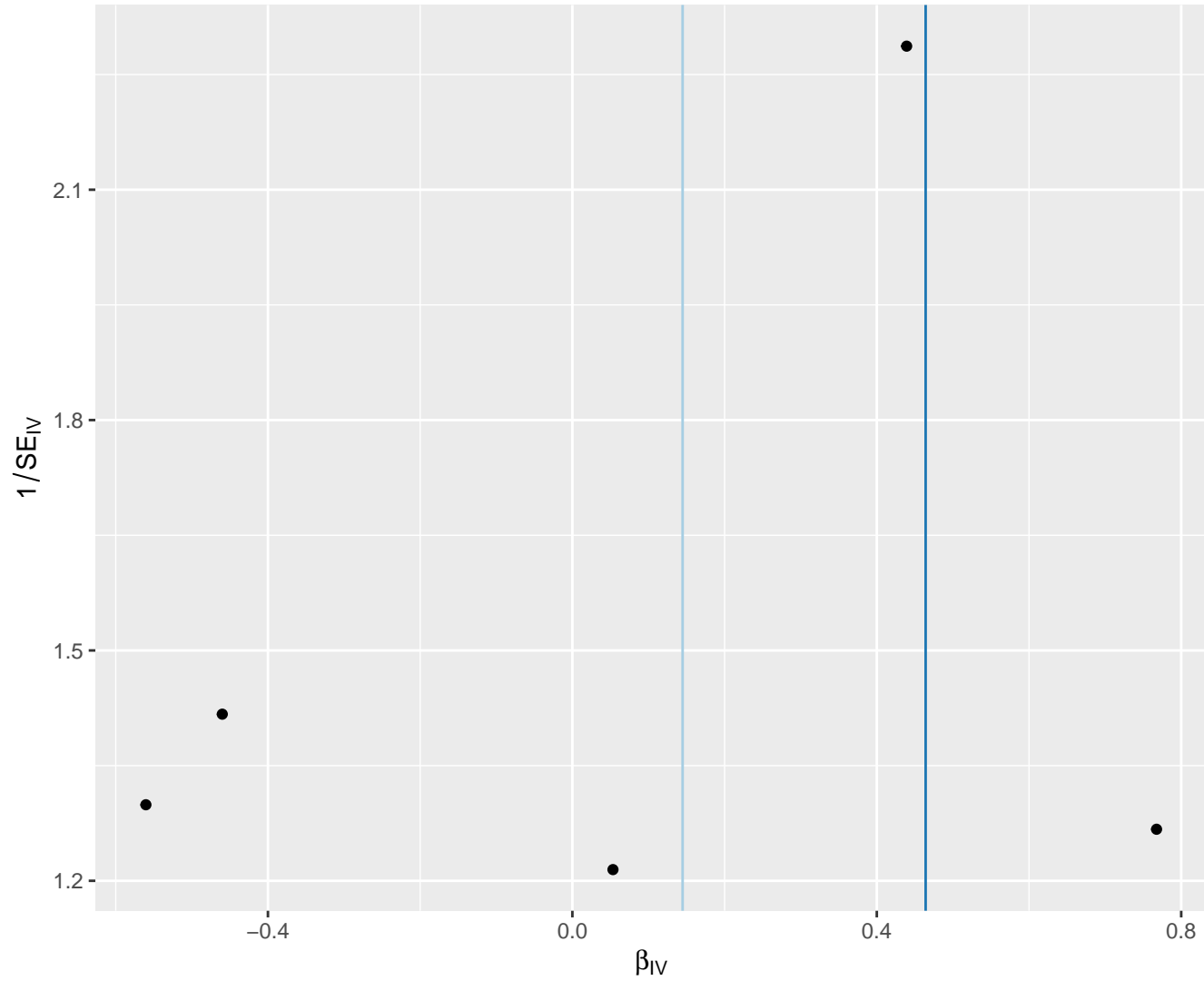
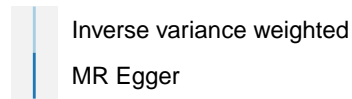
MR Method





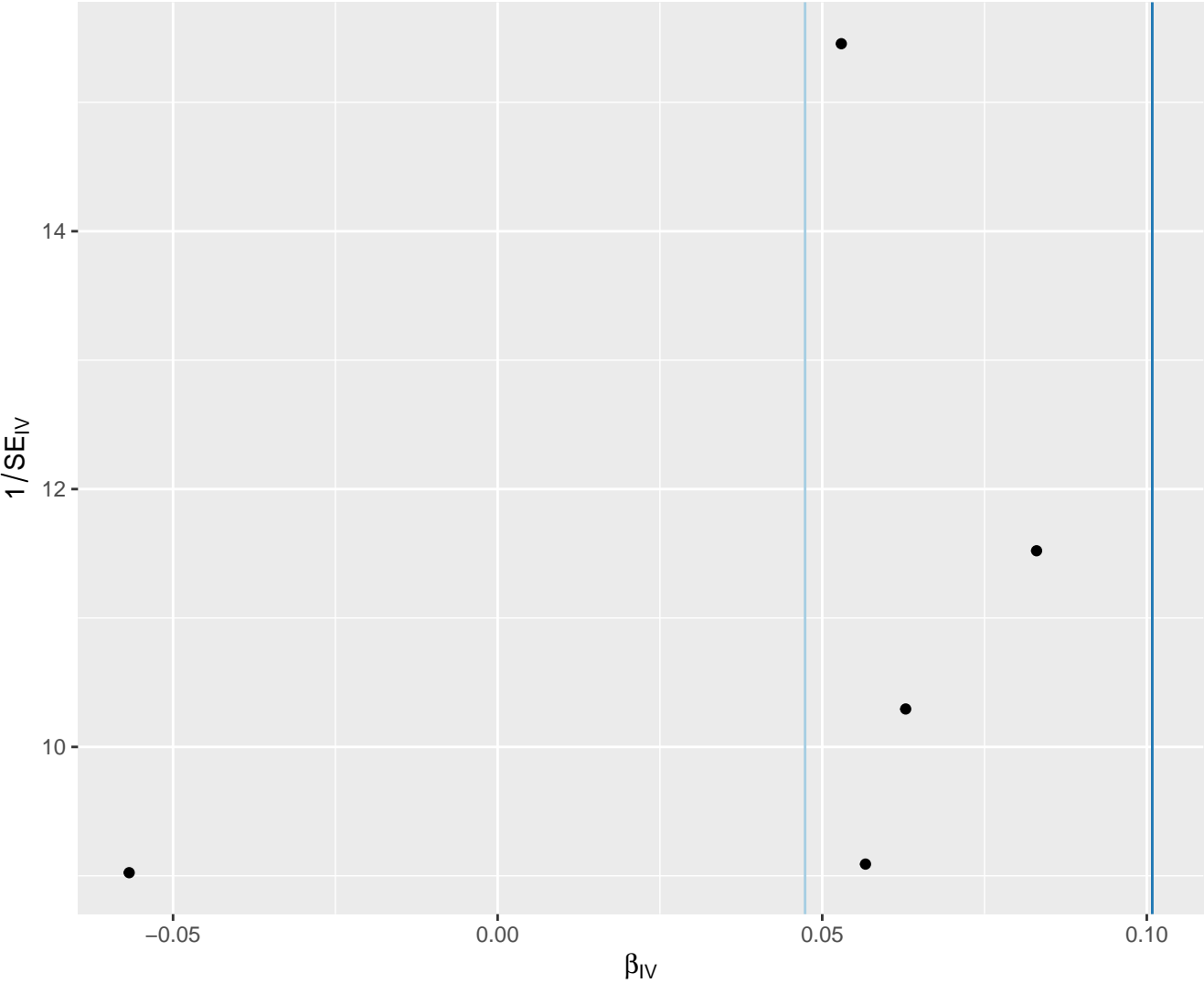
X-12833

MR Method



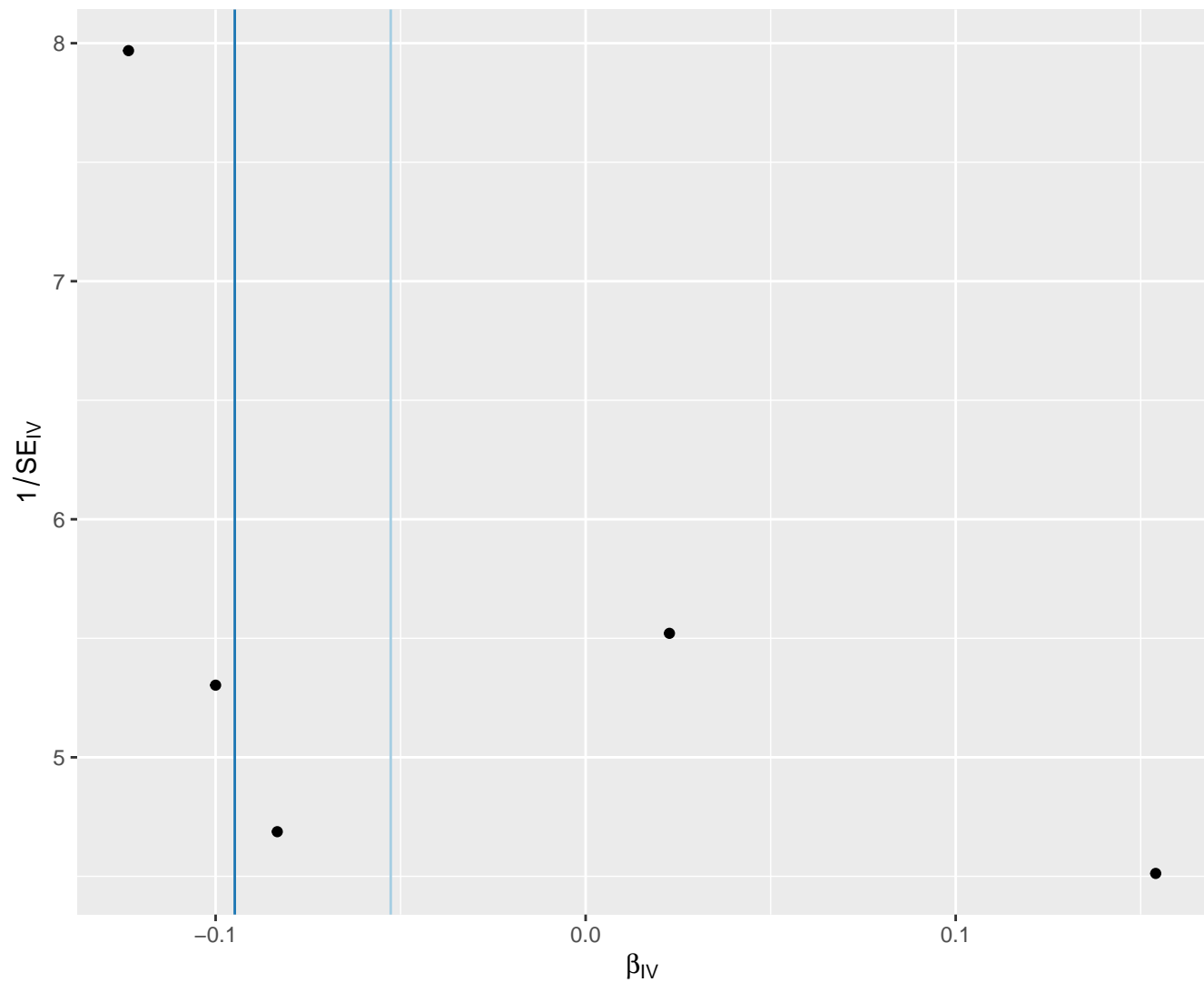
X-12844

MR Method



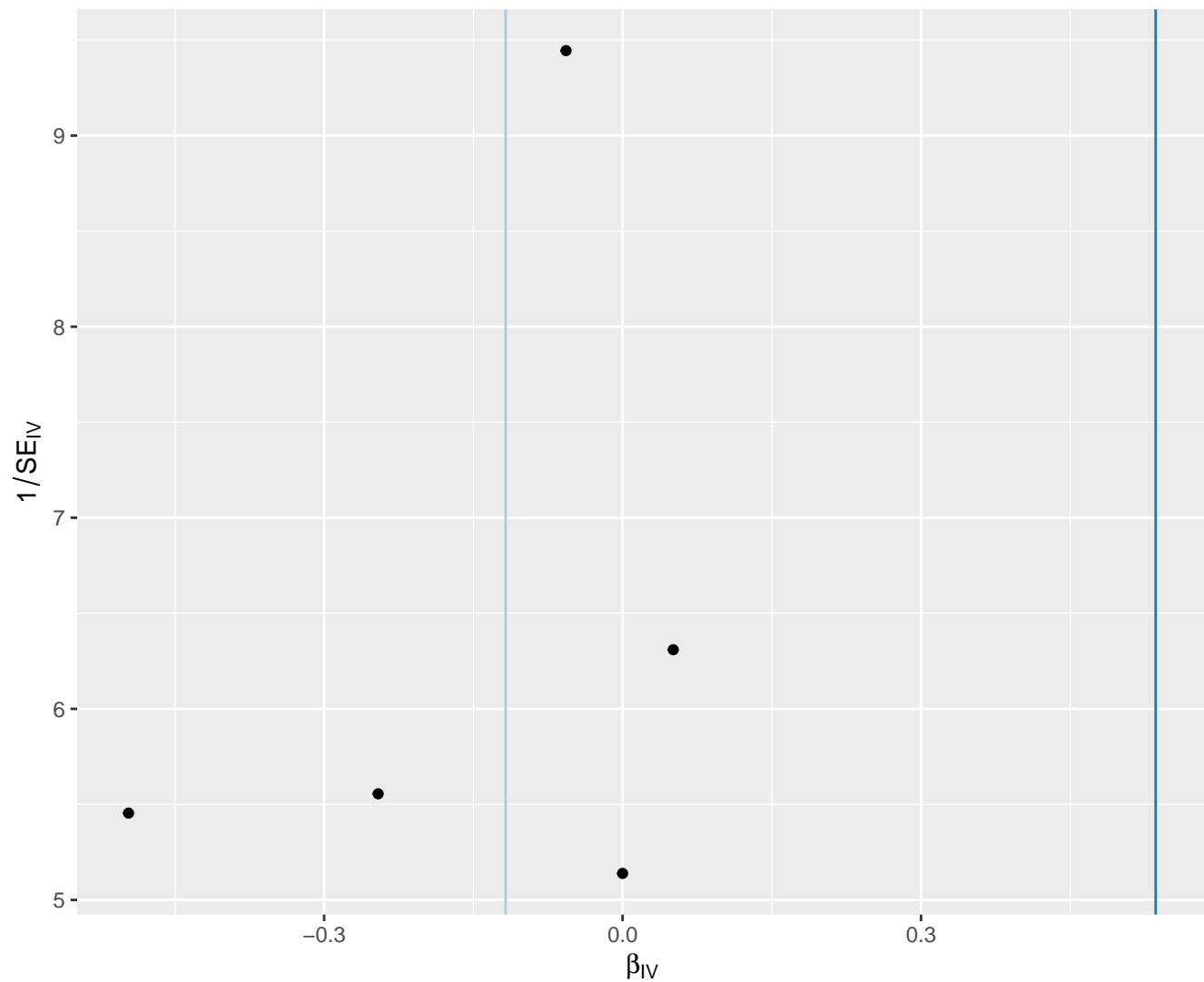
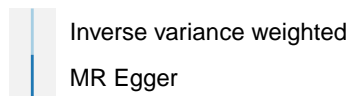
X-12847

MR Method



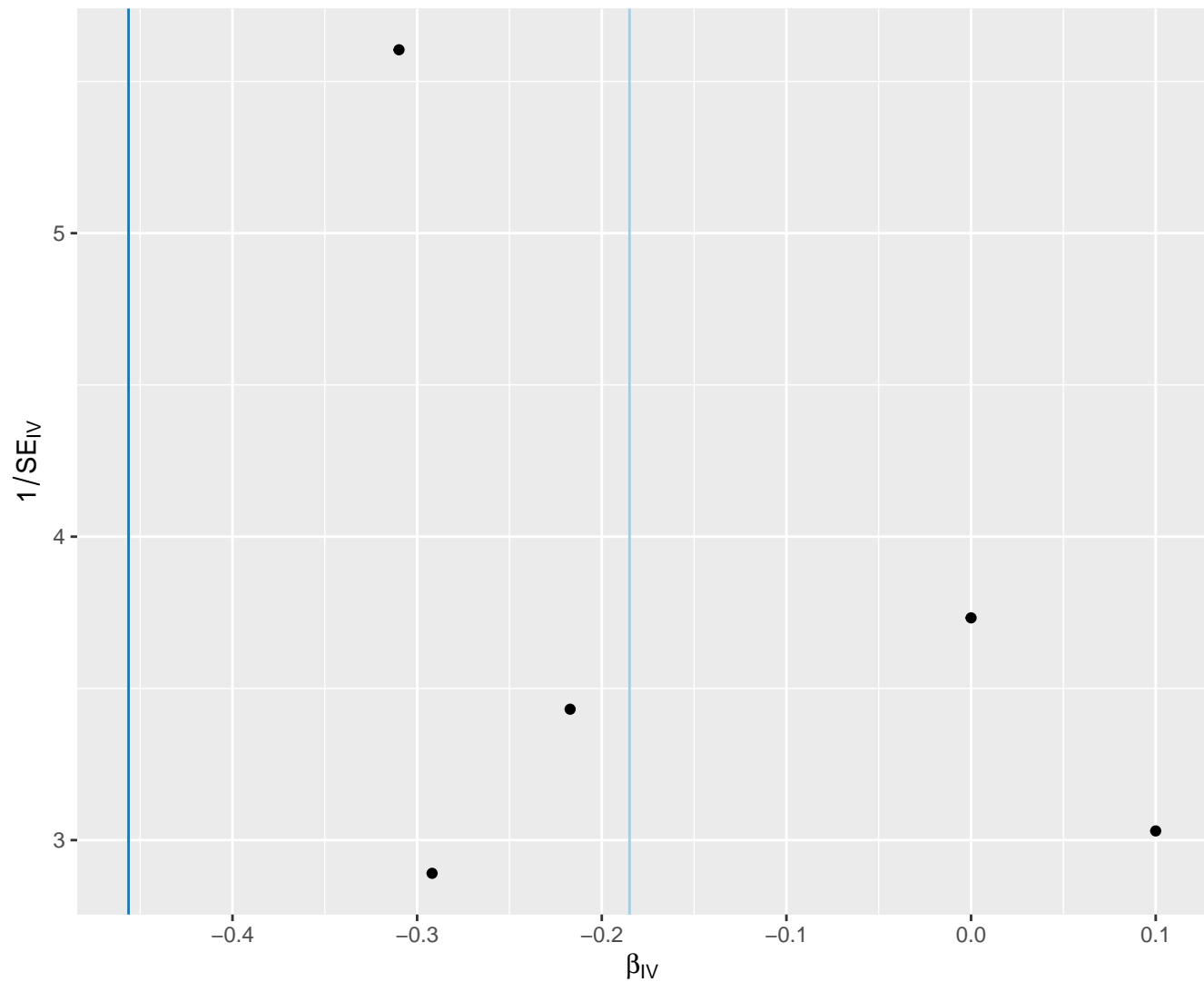
X-12850

MR Method



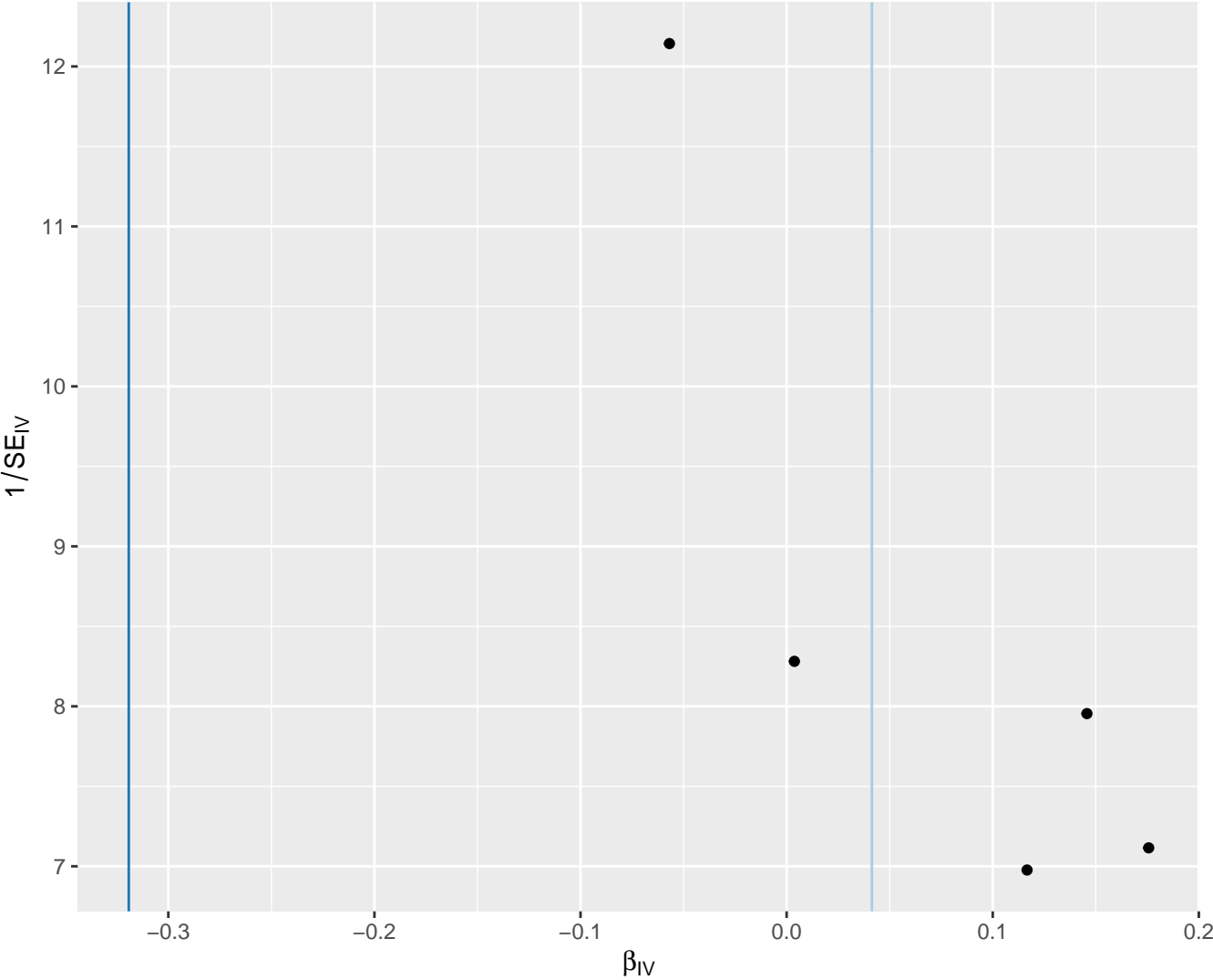
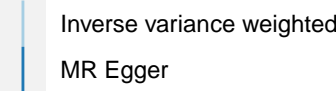
X-12851

MR Method



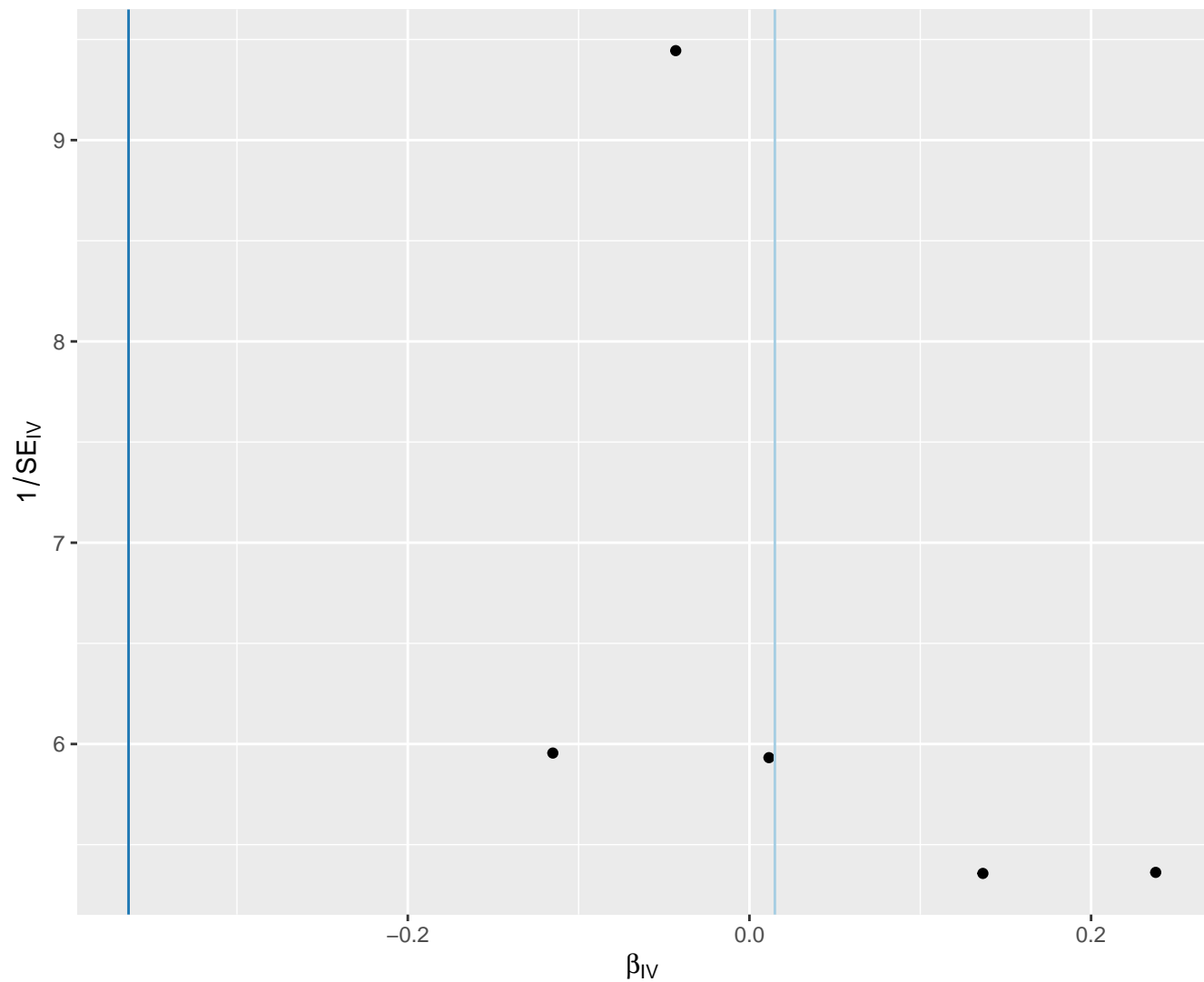
X-12855

MR Method



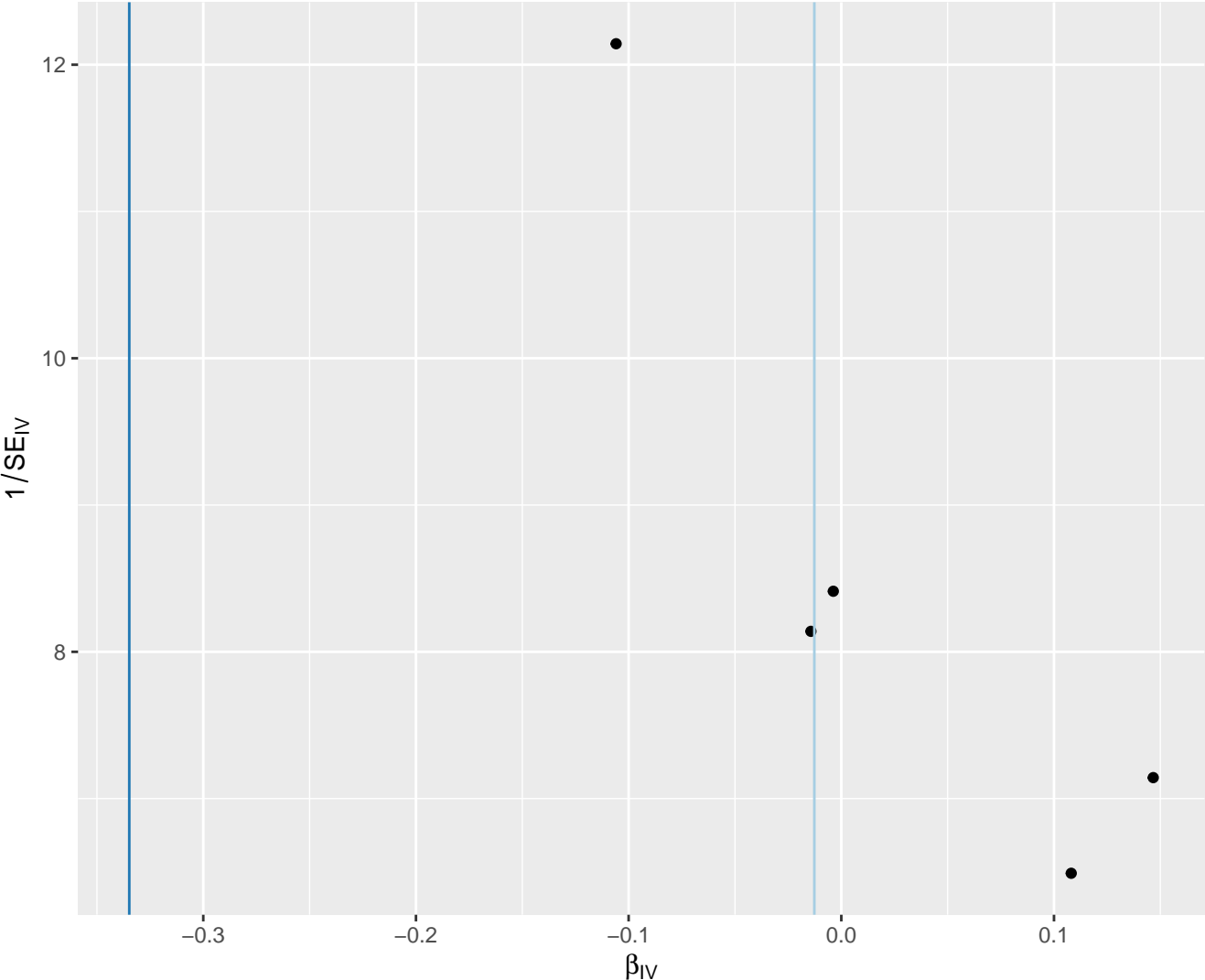
X-12990--docosapentaenoic acid (n6-DPA)

MR Method



X-13069

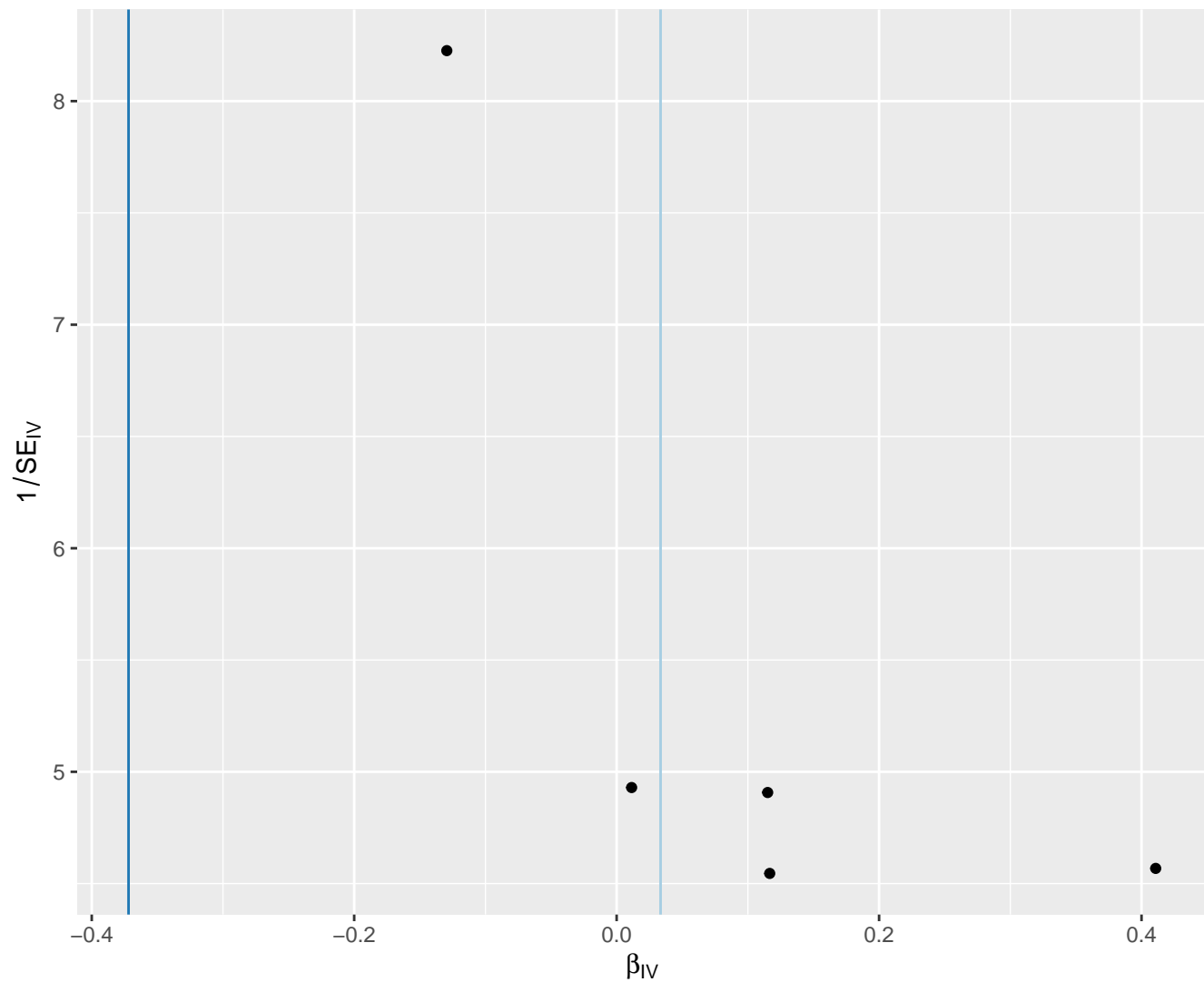
MR Method





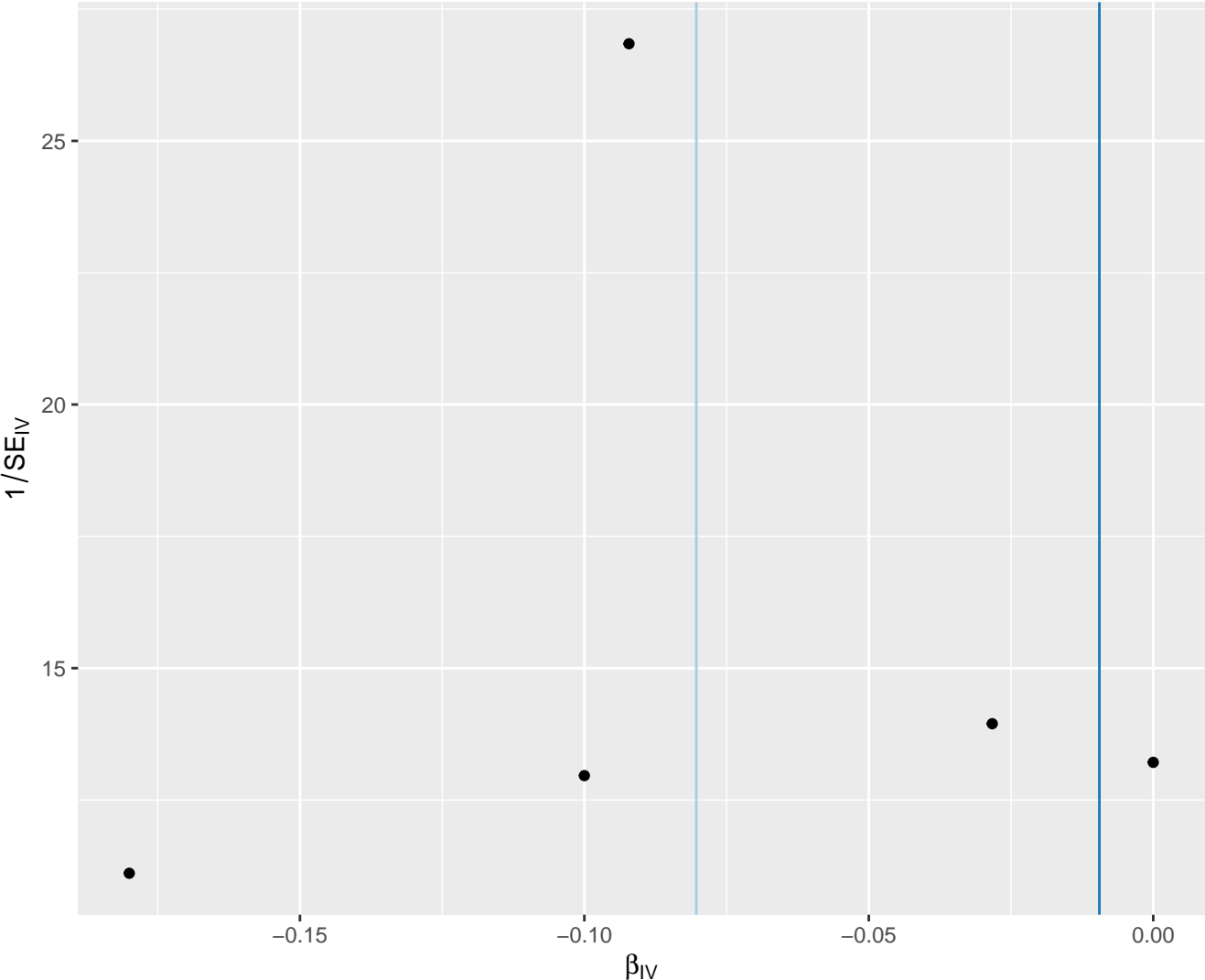
# X-13183--stearamide

MR Method



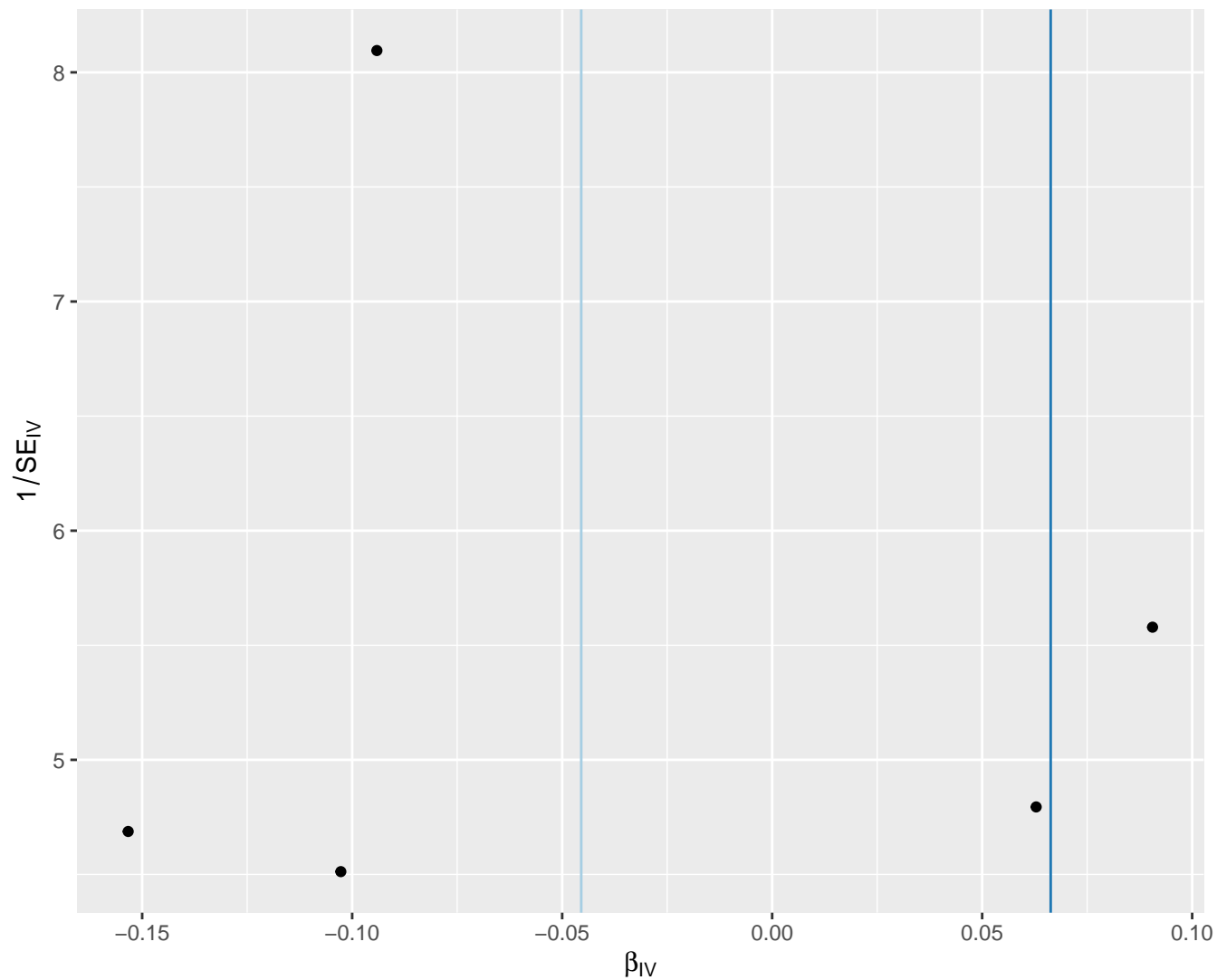
X-13215

MR Method



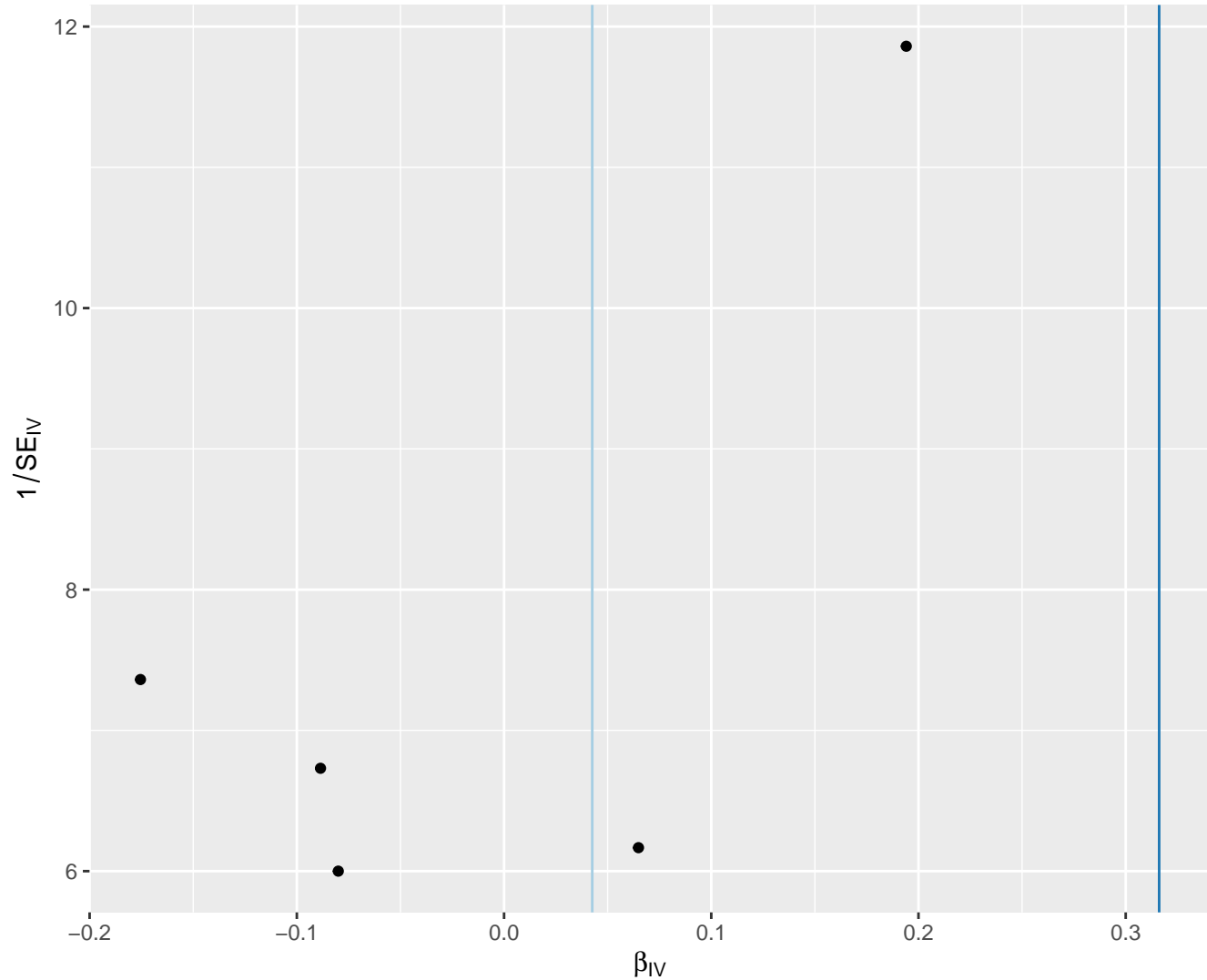
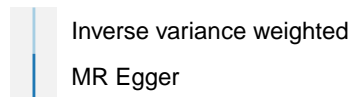
X-13429

MR Method



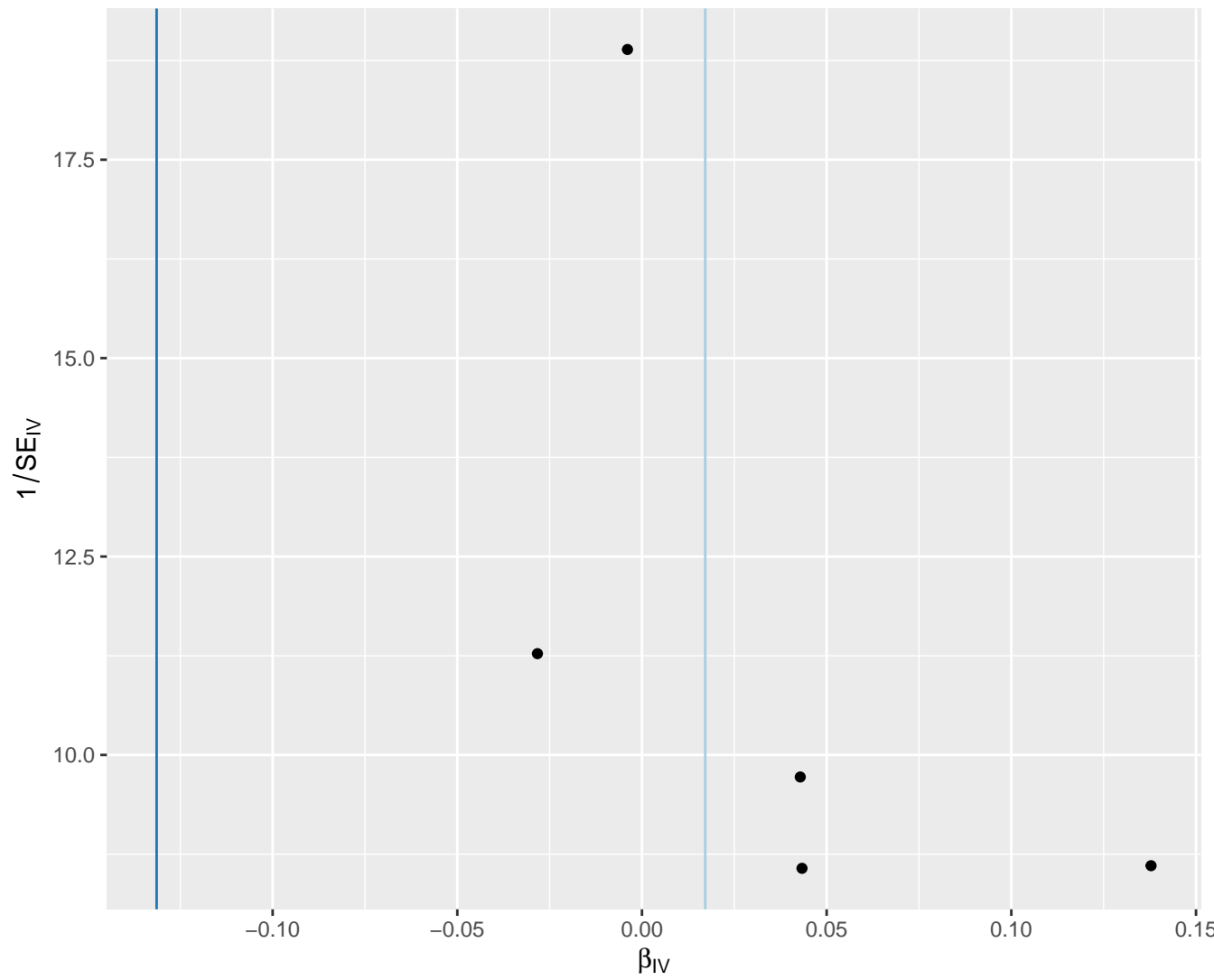
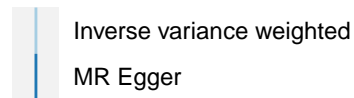
# X-13431--nonanoylcarnitine\*

MR Method



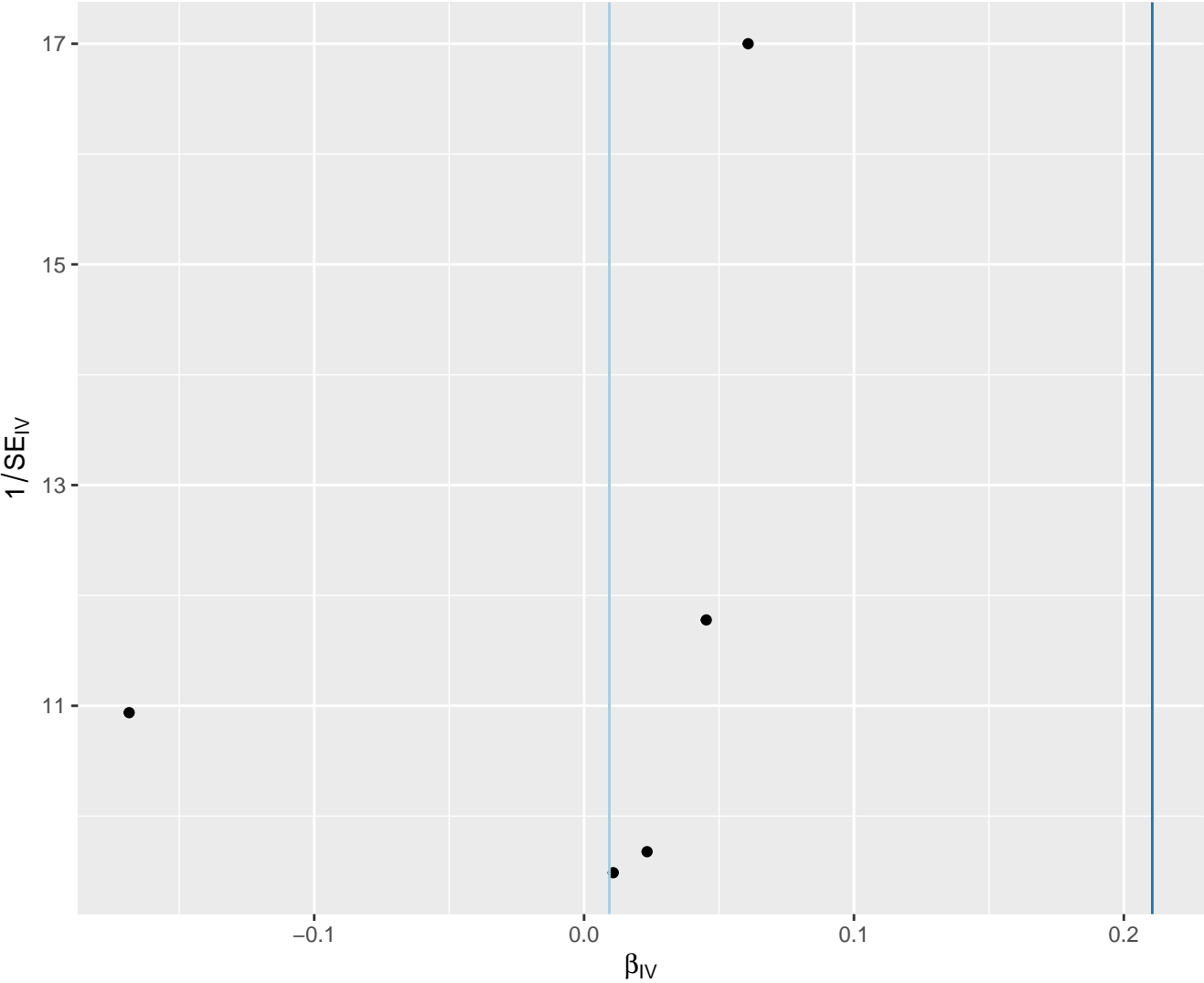
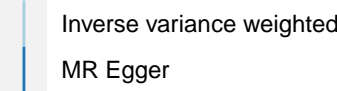
X-13435

MR Method



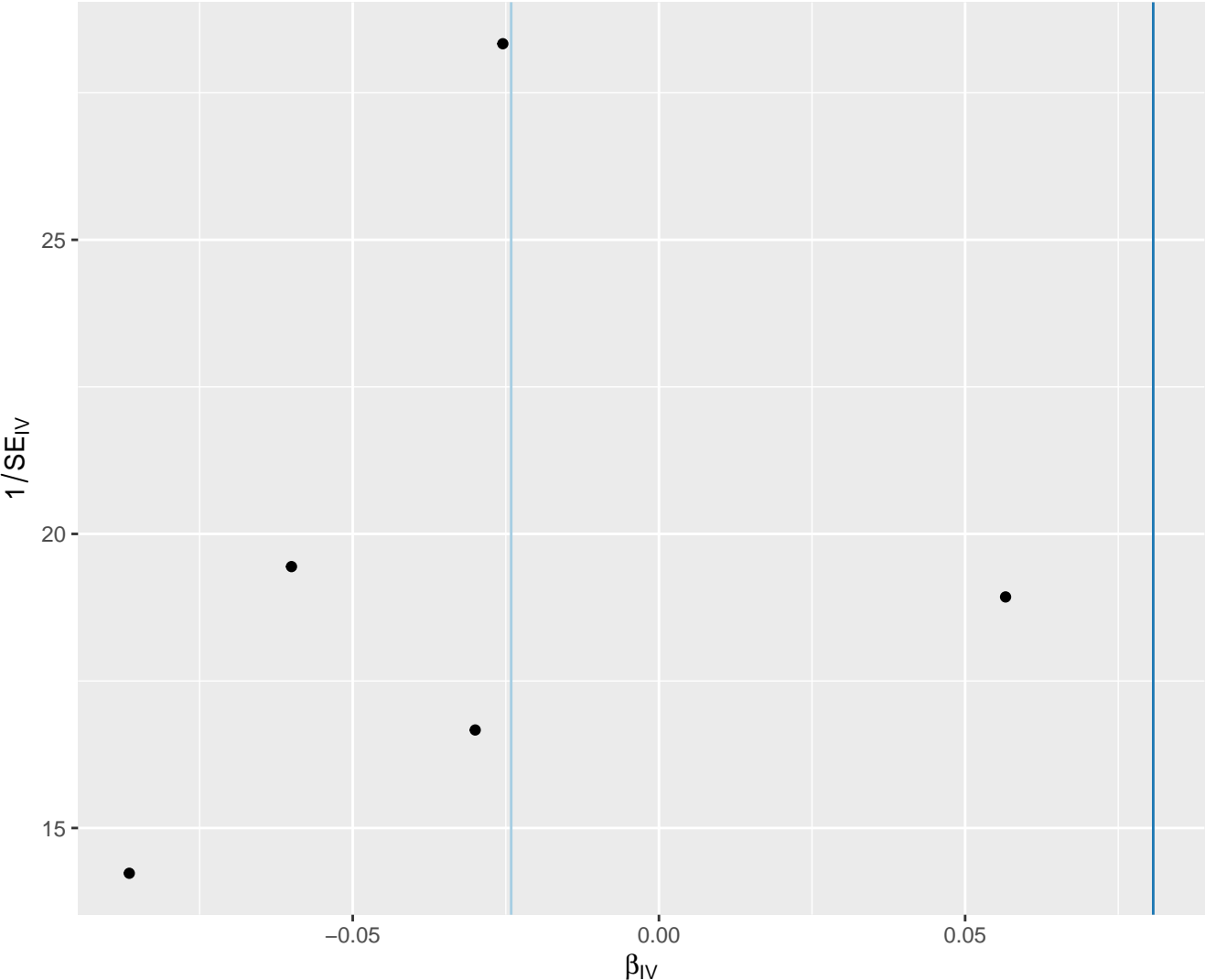
X-13477

MR Method



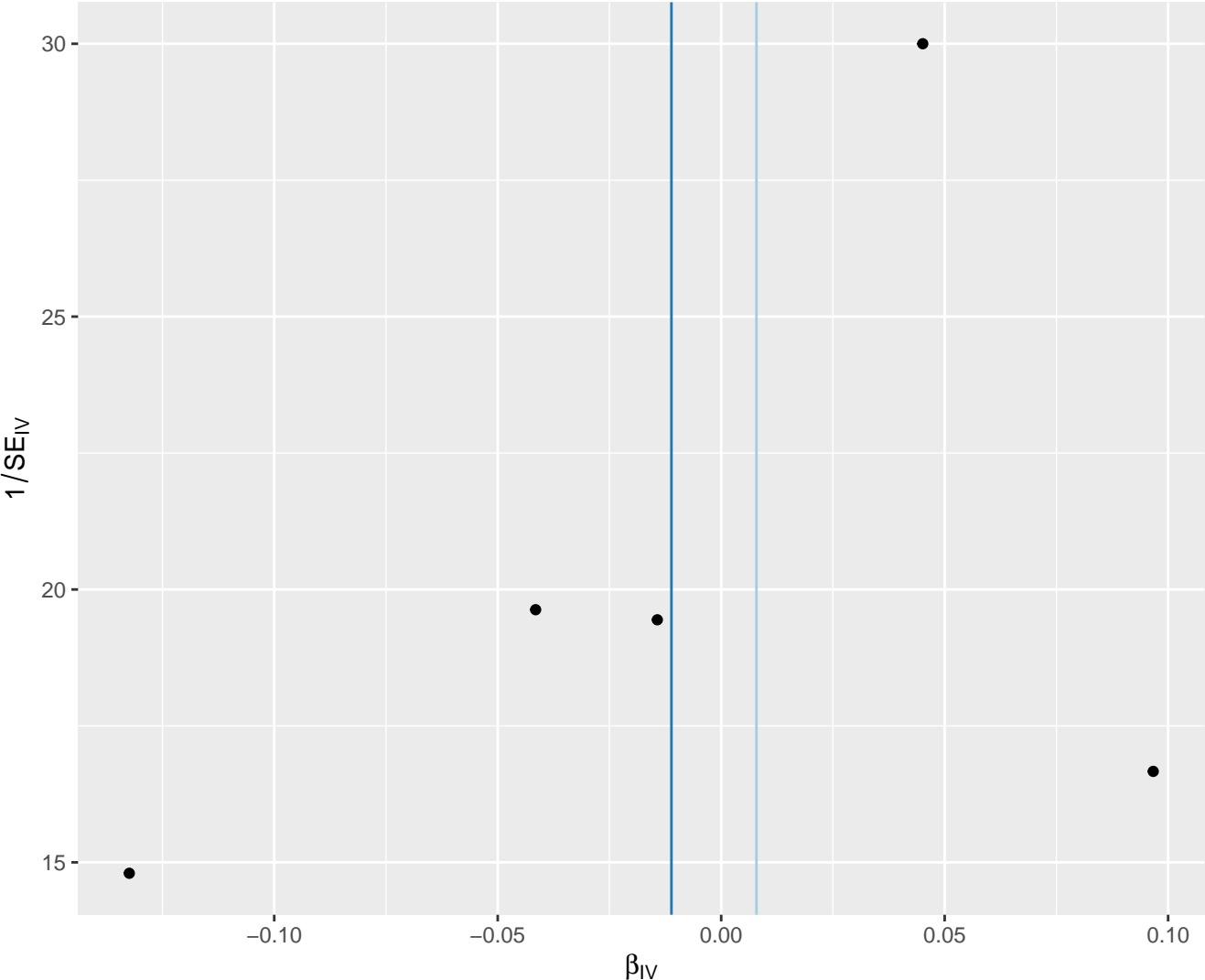
X-13496

MR Method



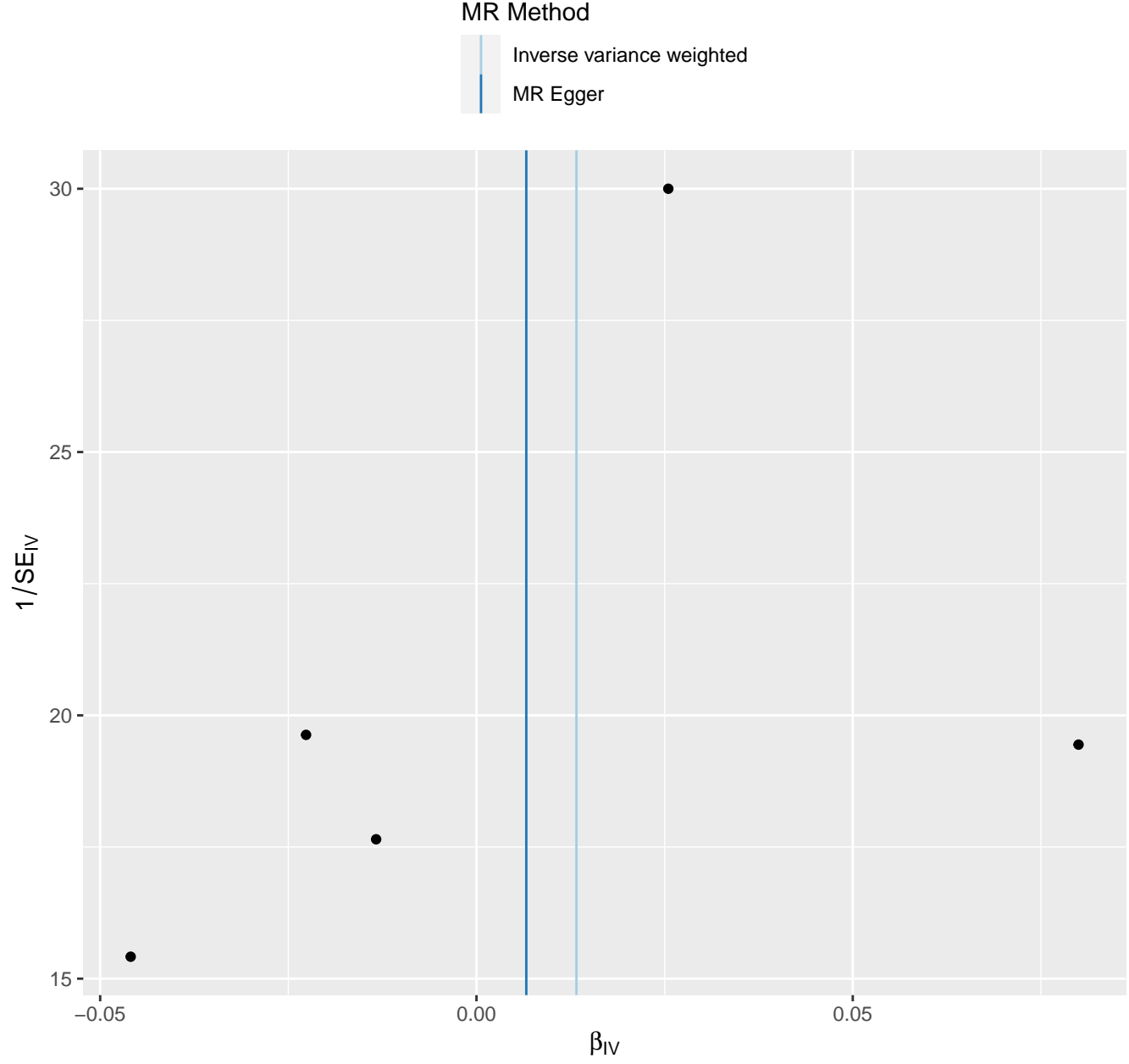
X-13548

MR Method



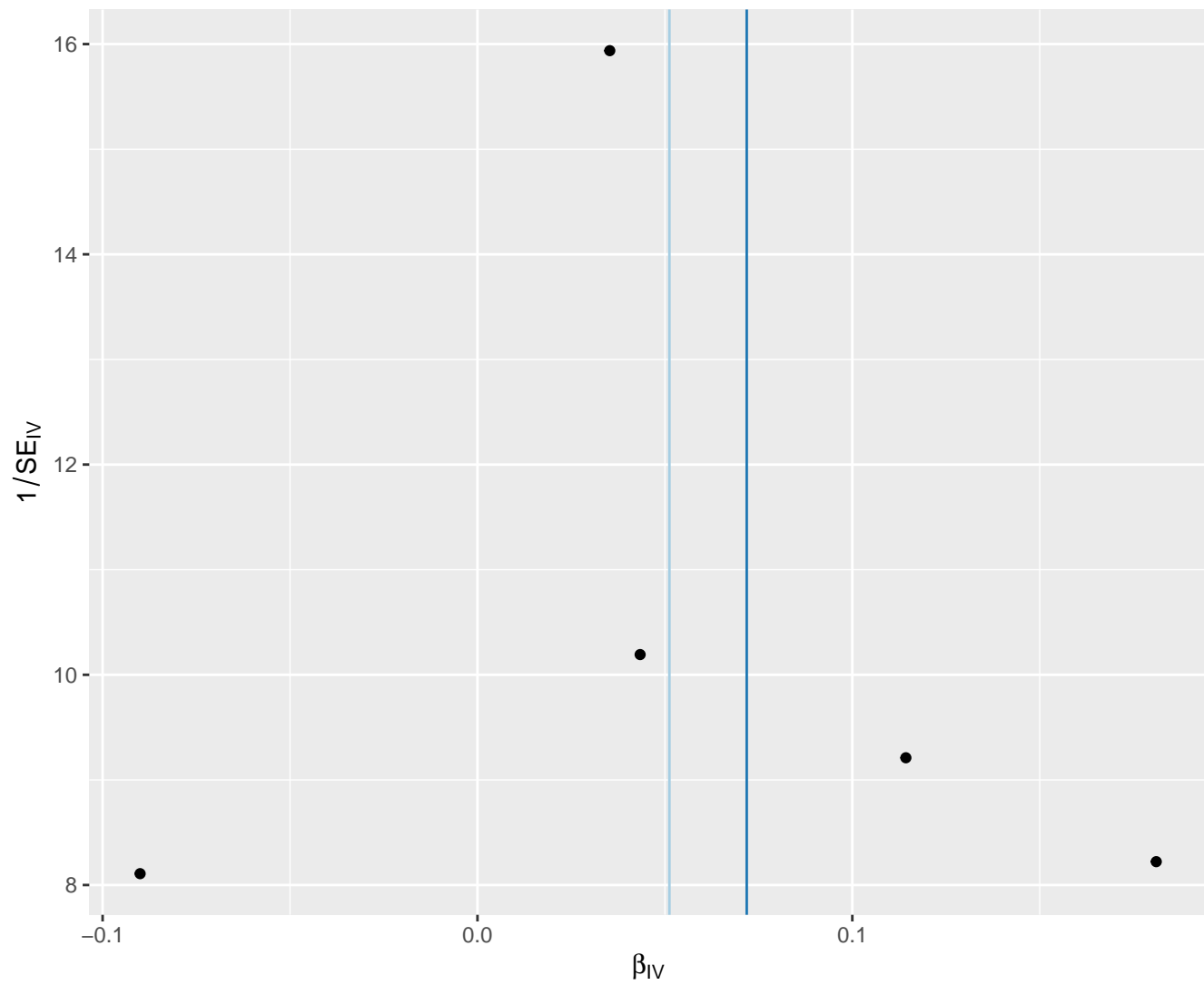
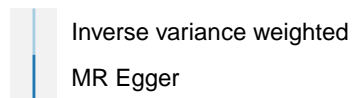


X-13549



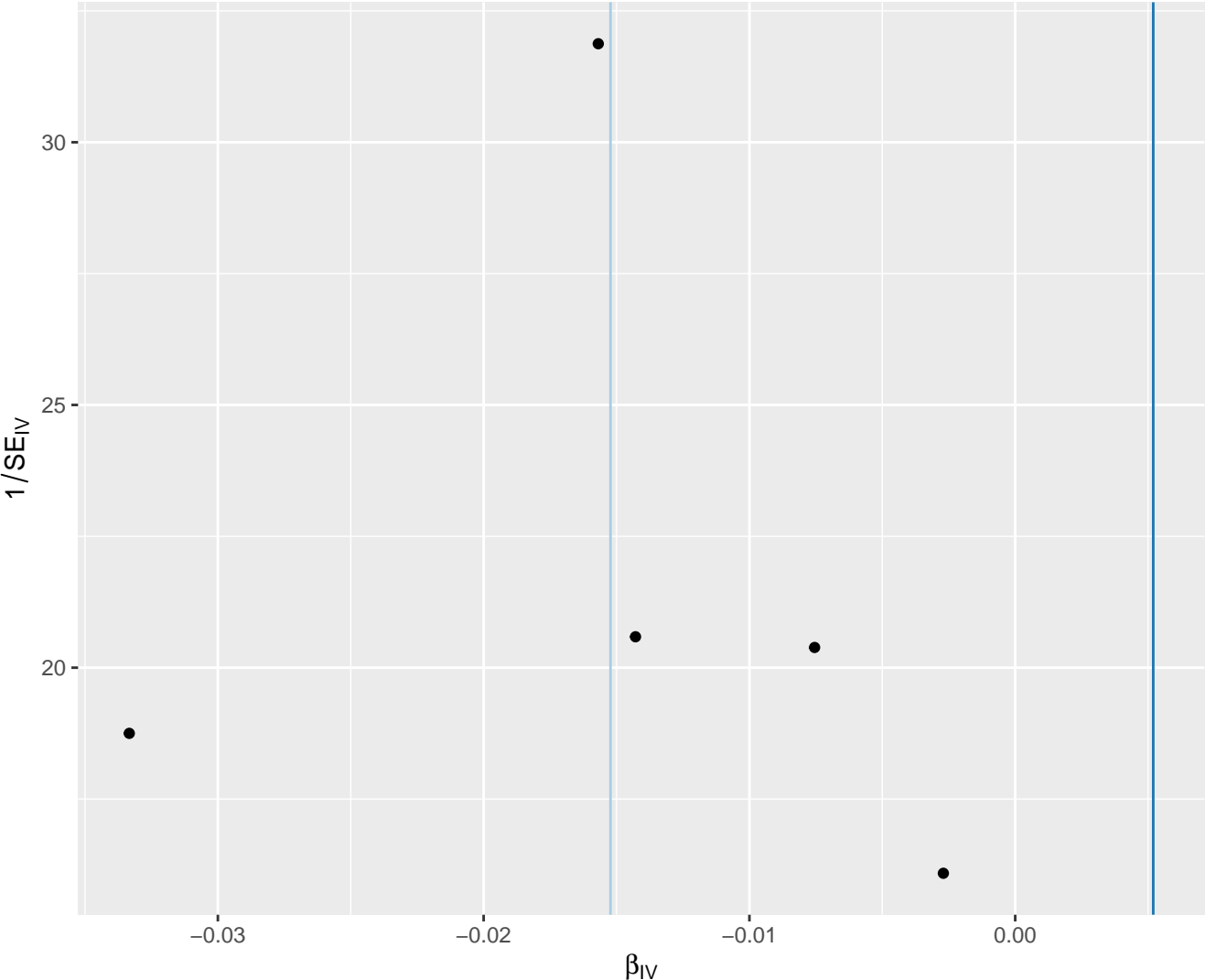
X-13553

MR Method



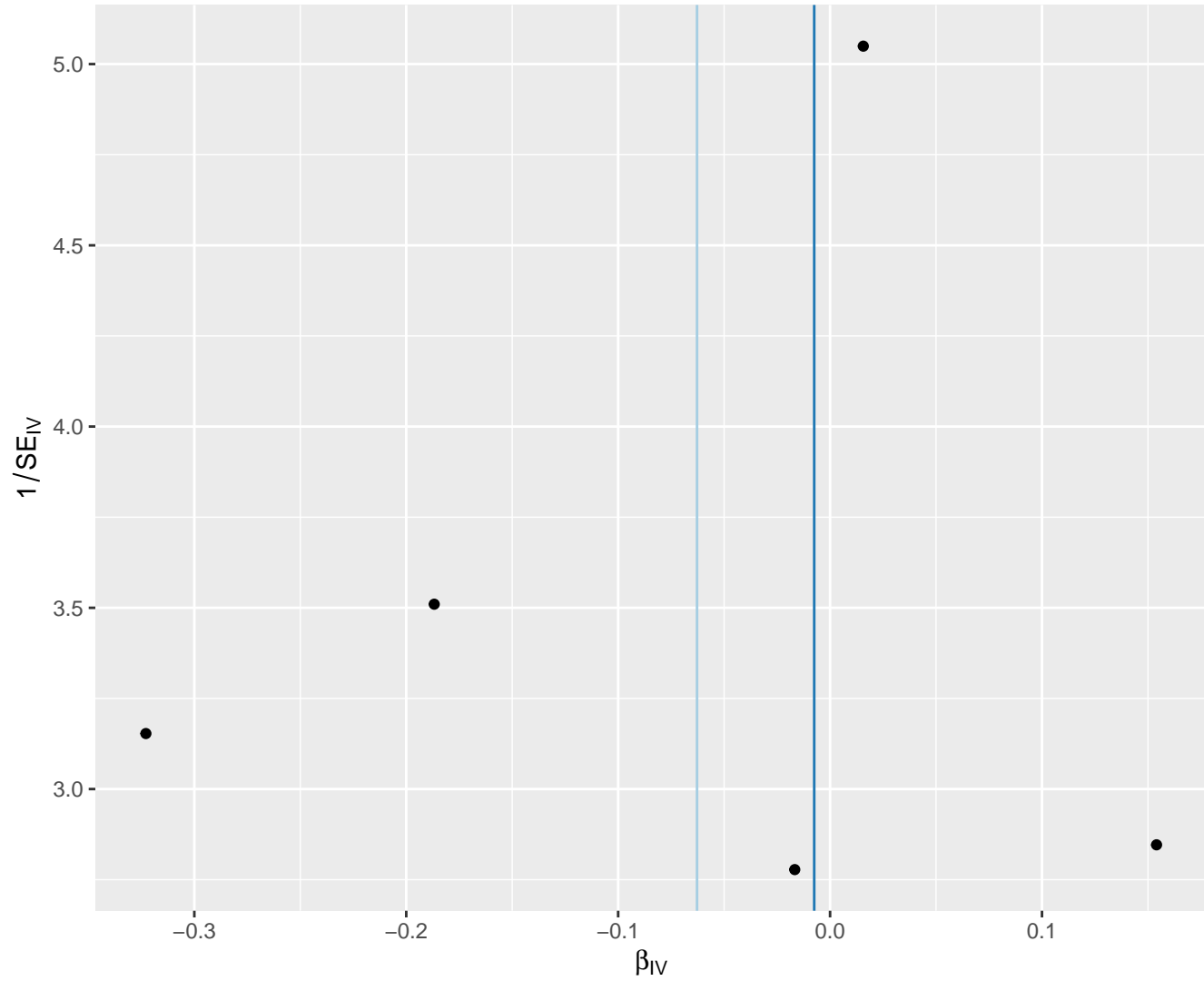
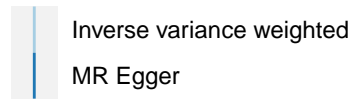
X-13619

MR Method



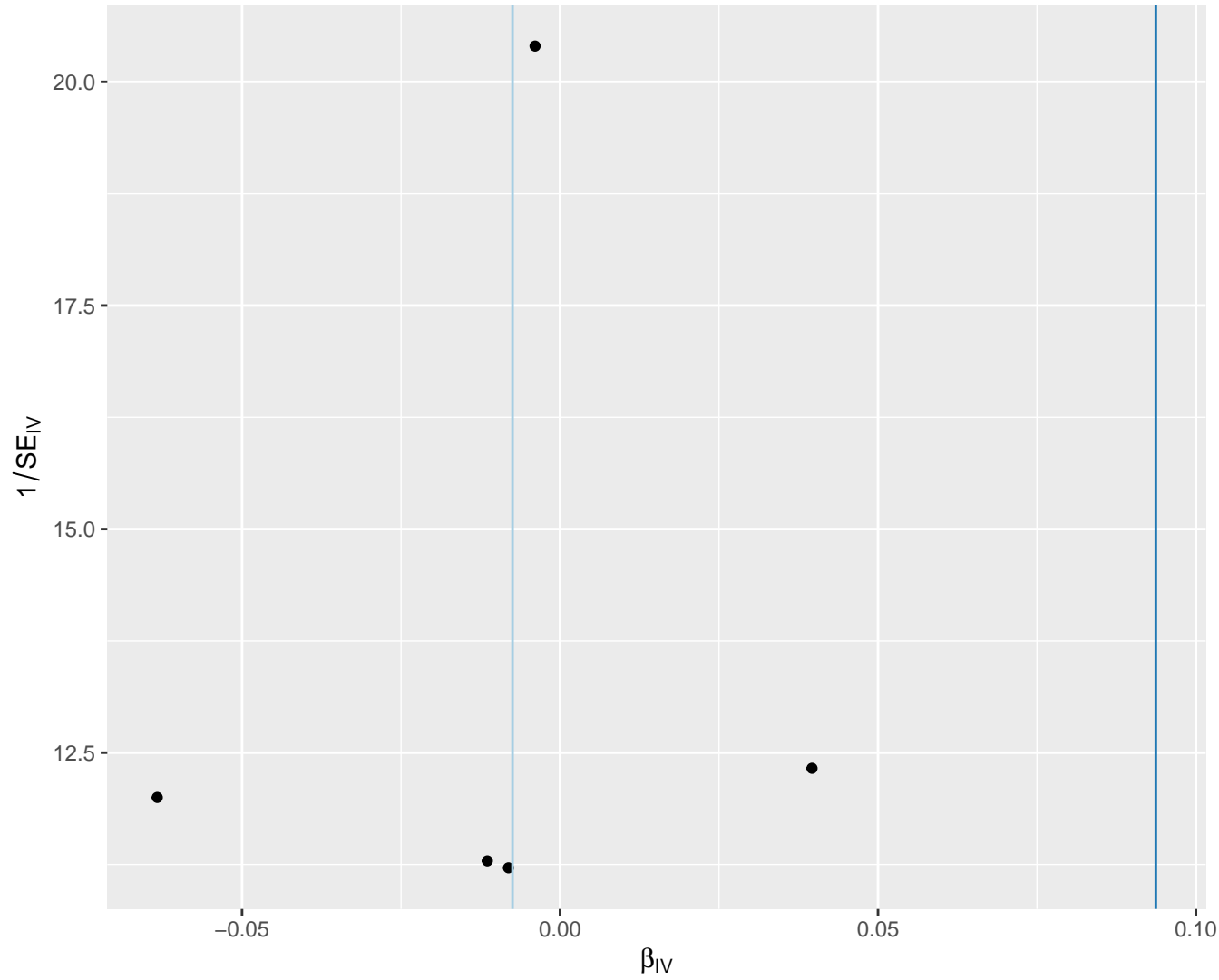
X-13658

MR Method



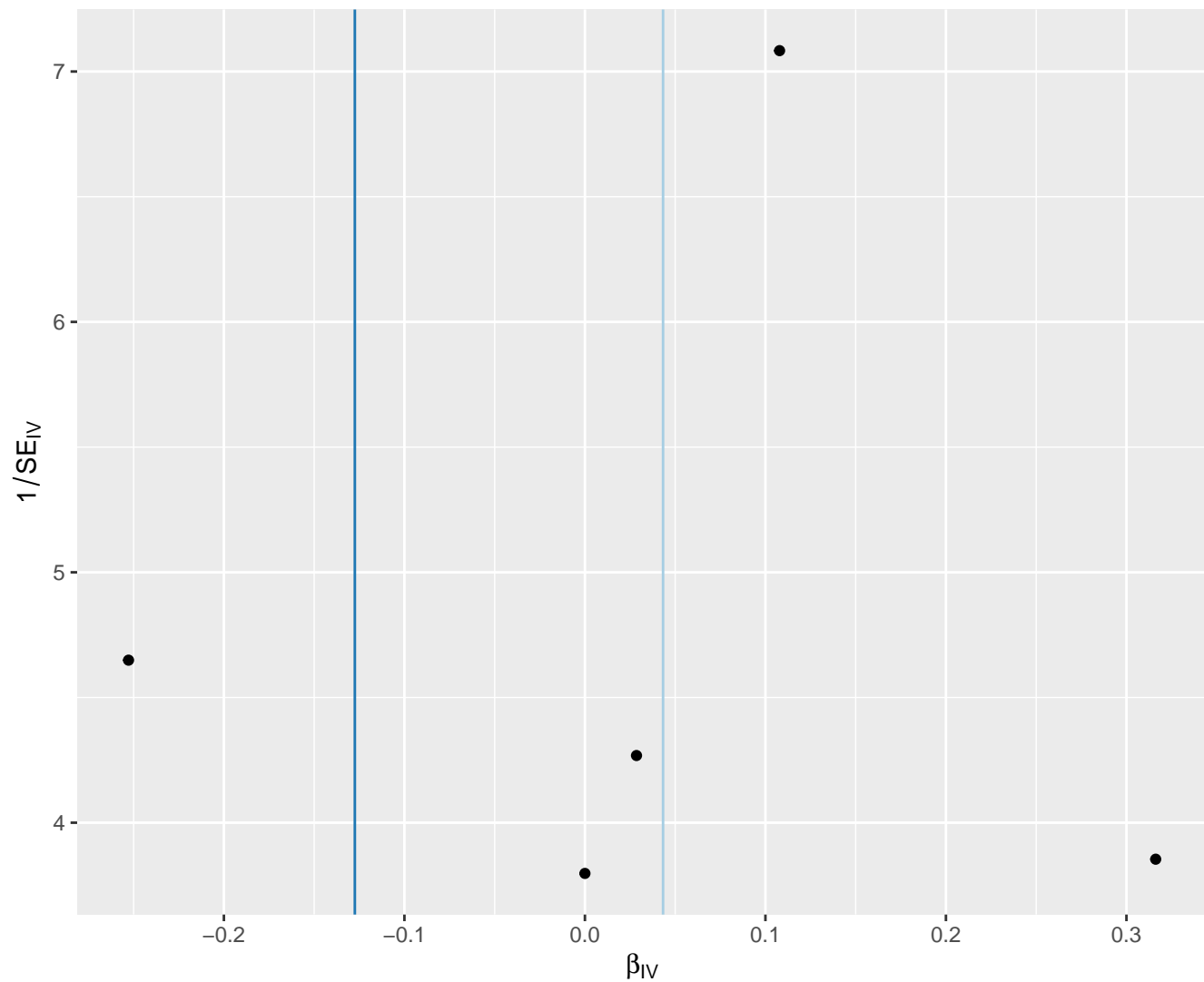
X-13671

MR Method



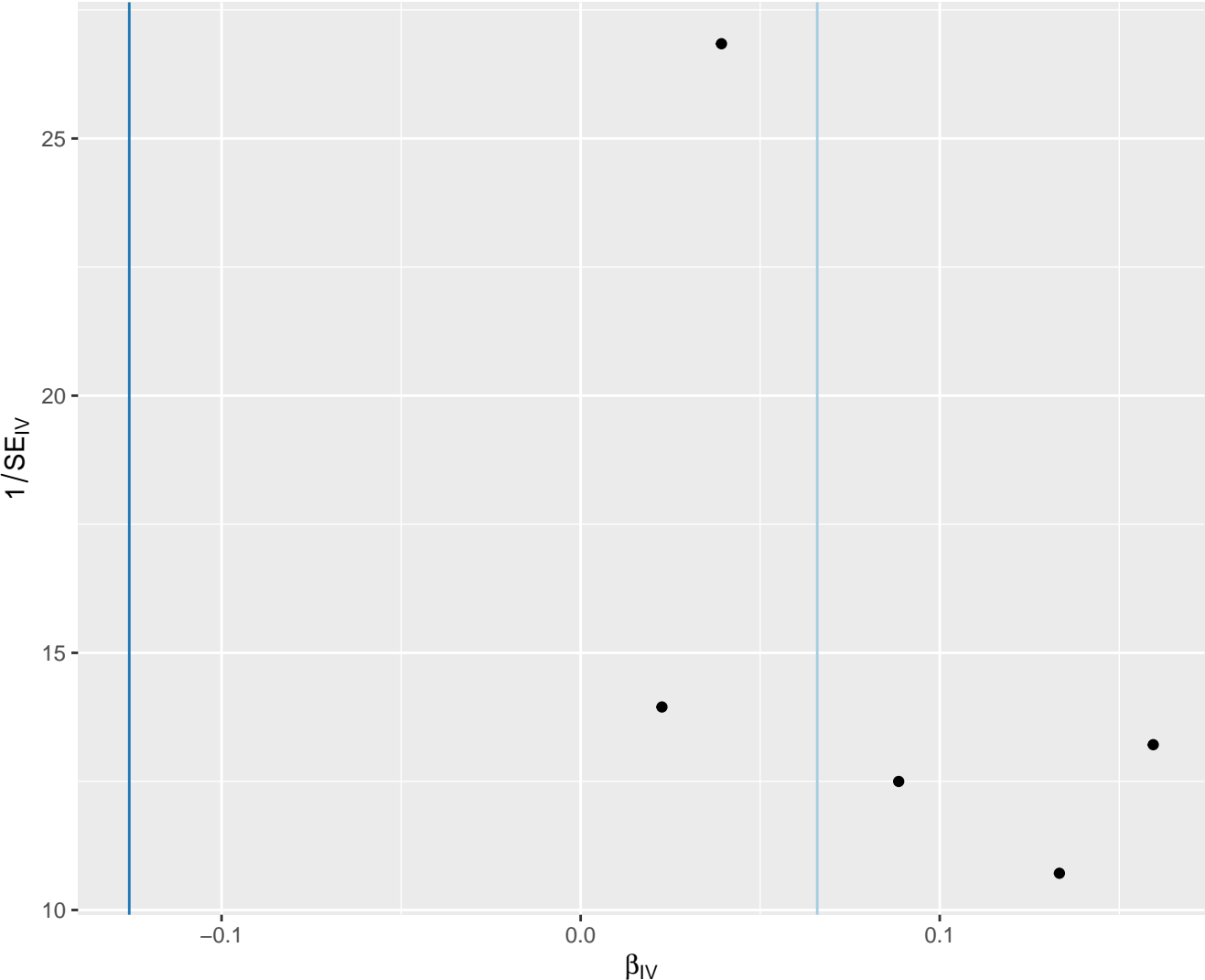
X-13741

MR Method



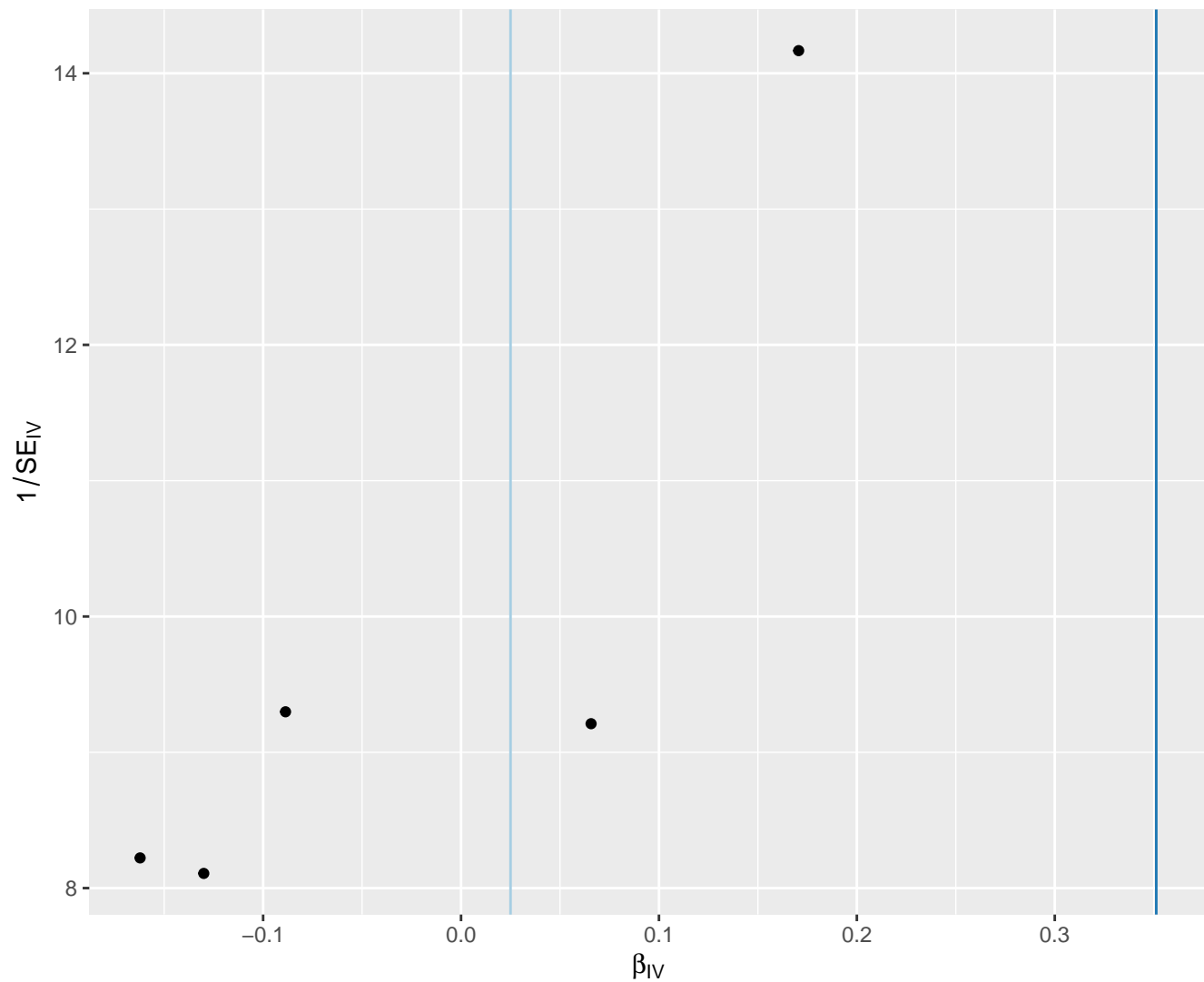
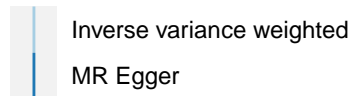
X-13859

MR Method



X-14056

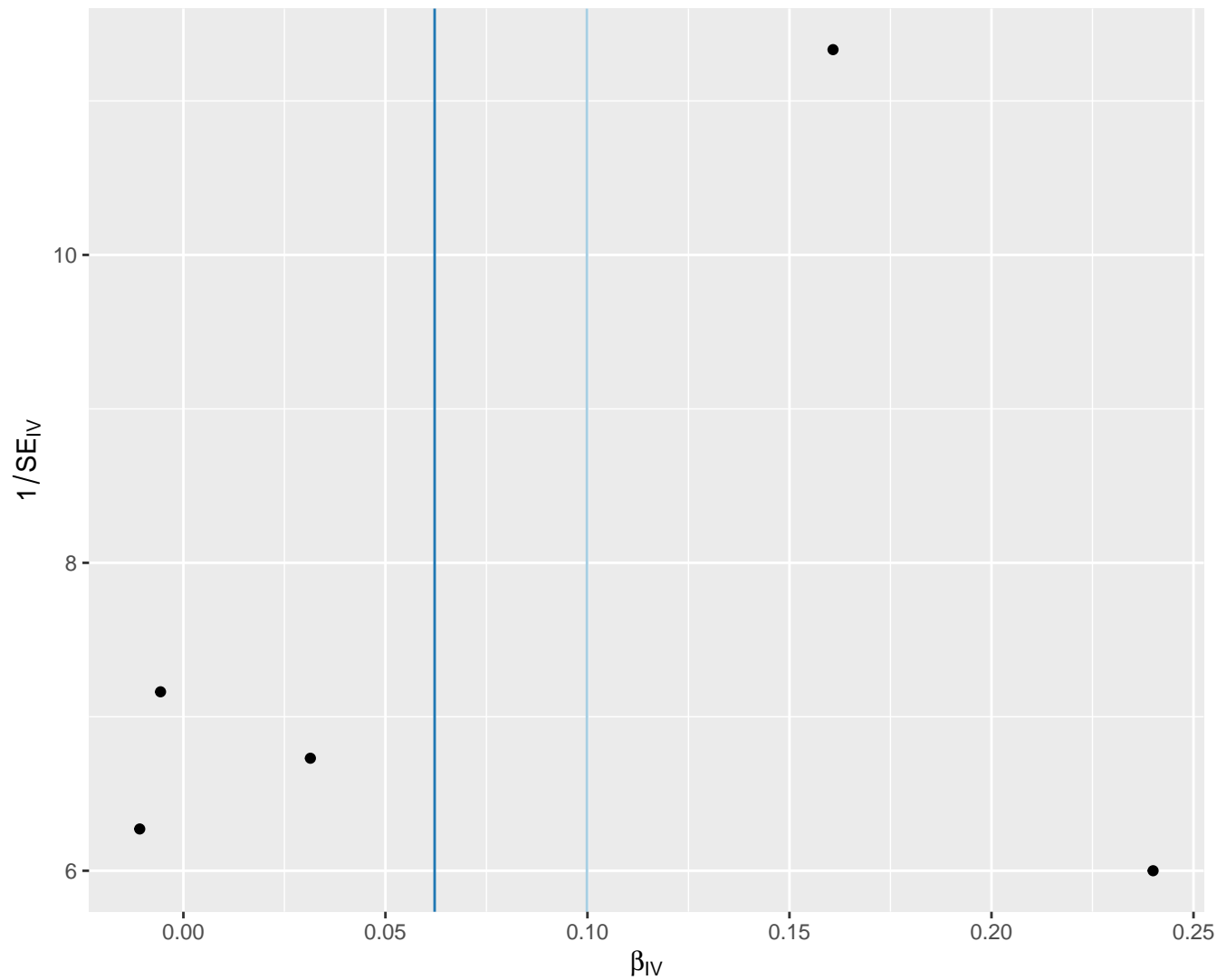
MR Method





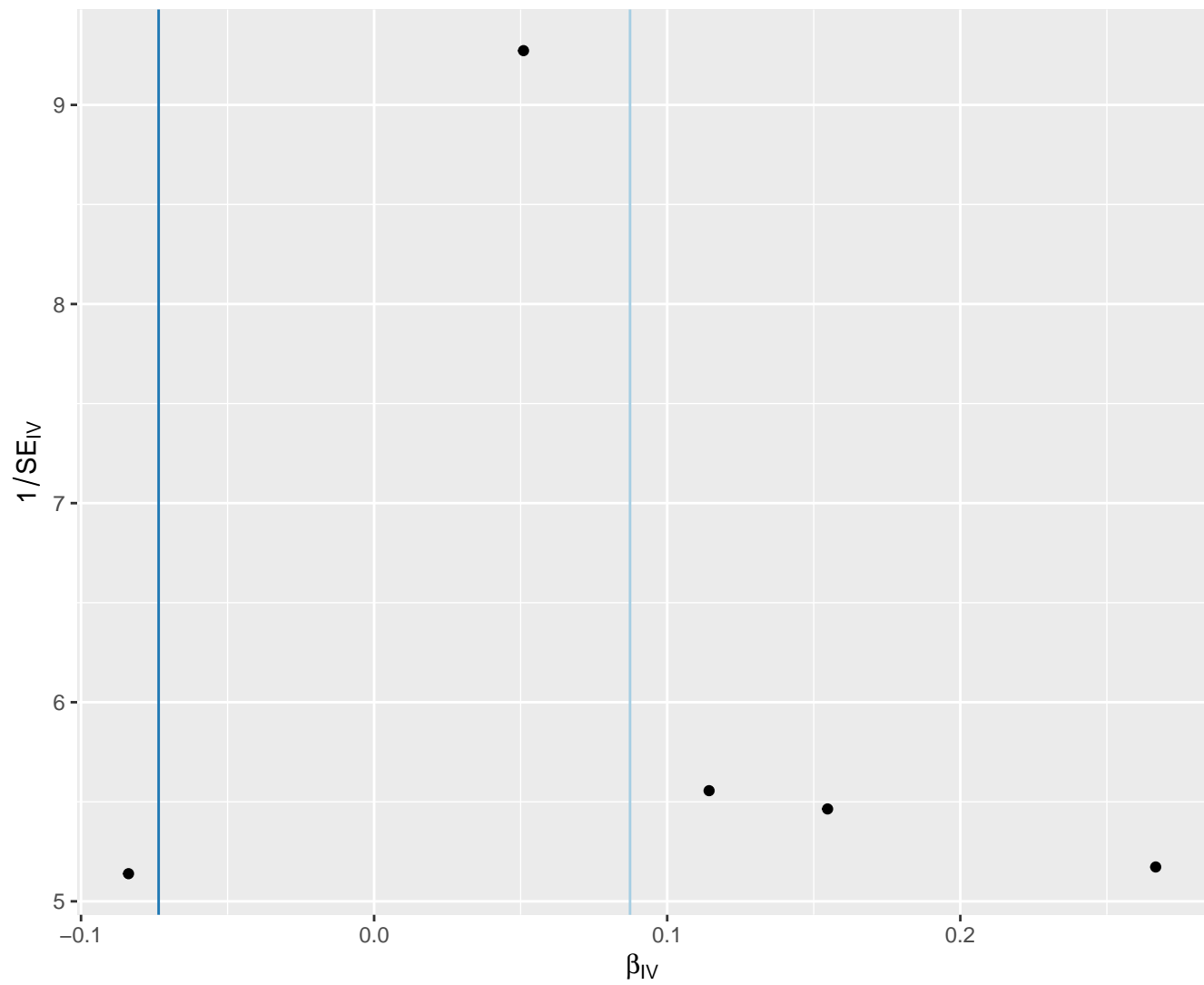
X-14057

MR Method

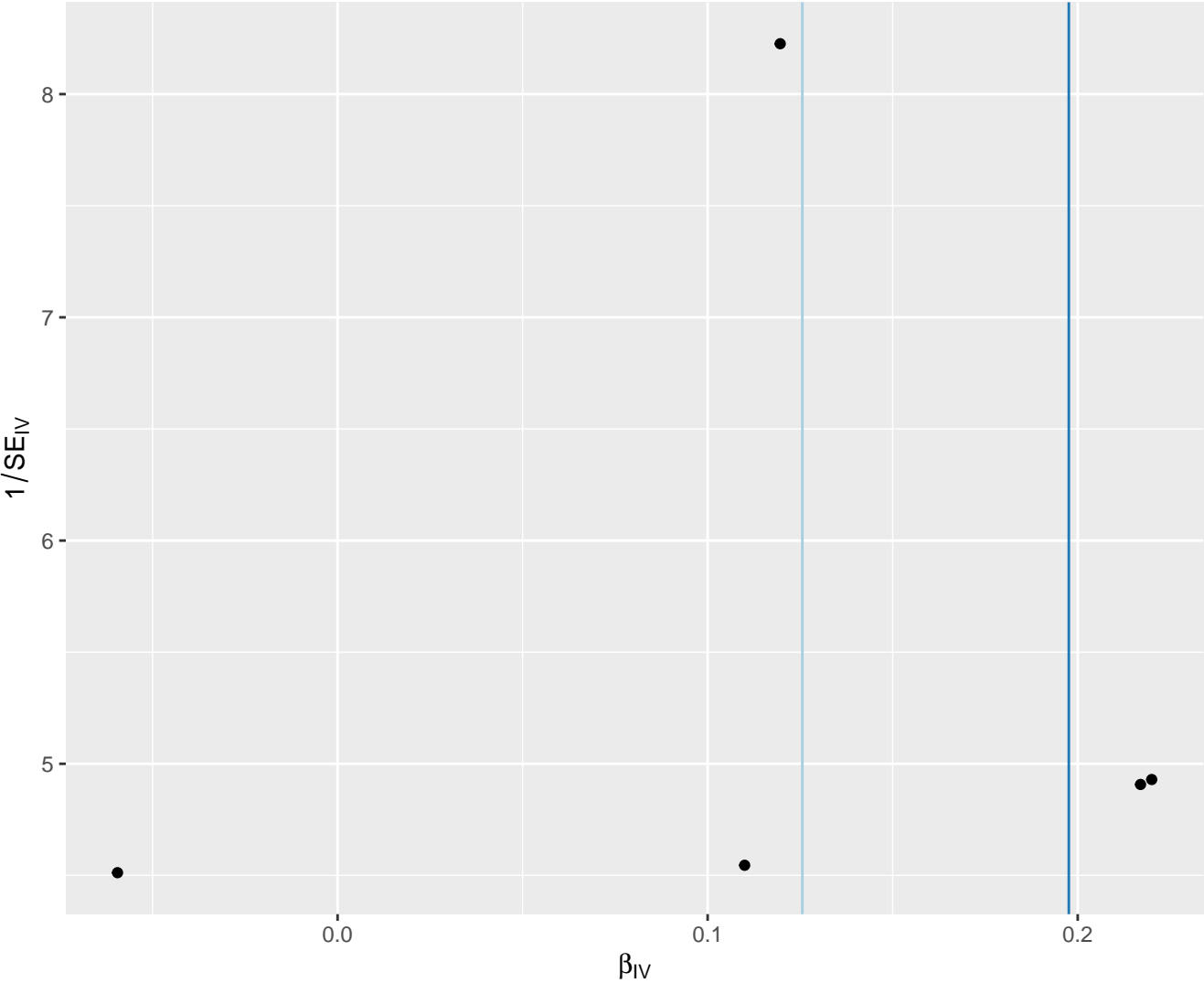
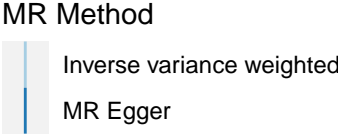


X-14086

MR Method

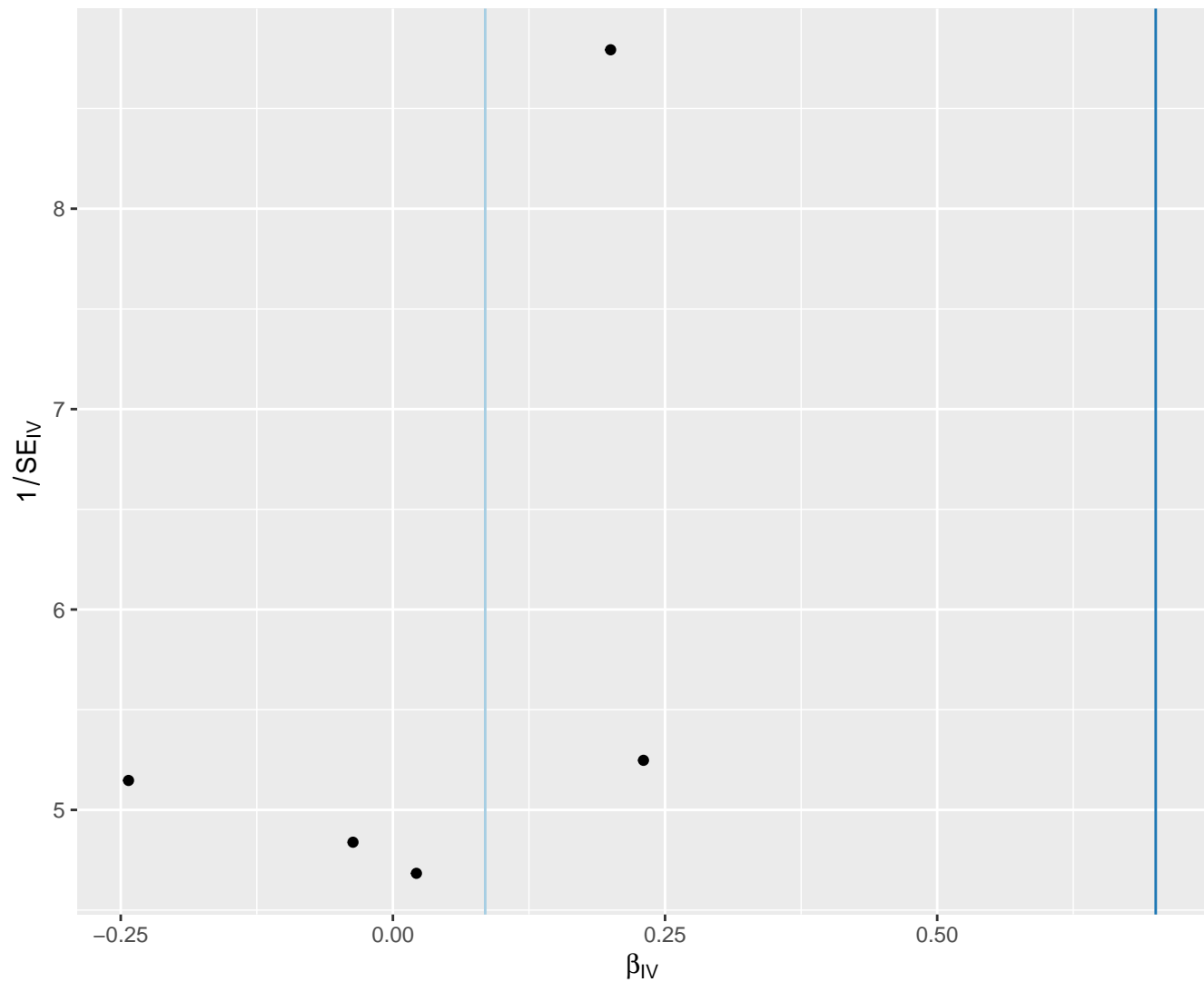


X-14189--leucylalanine



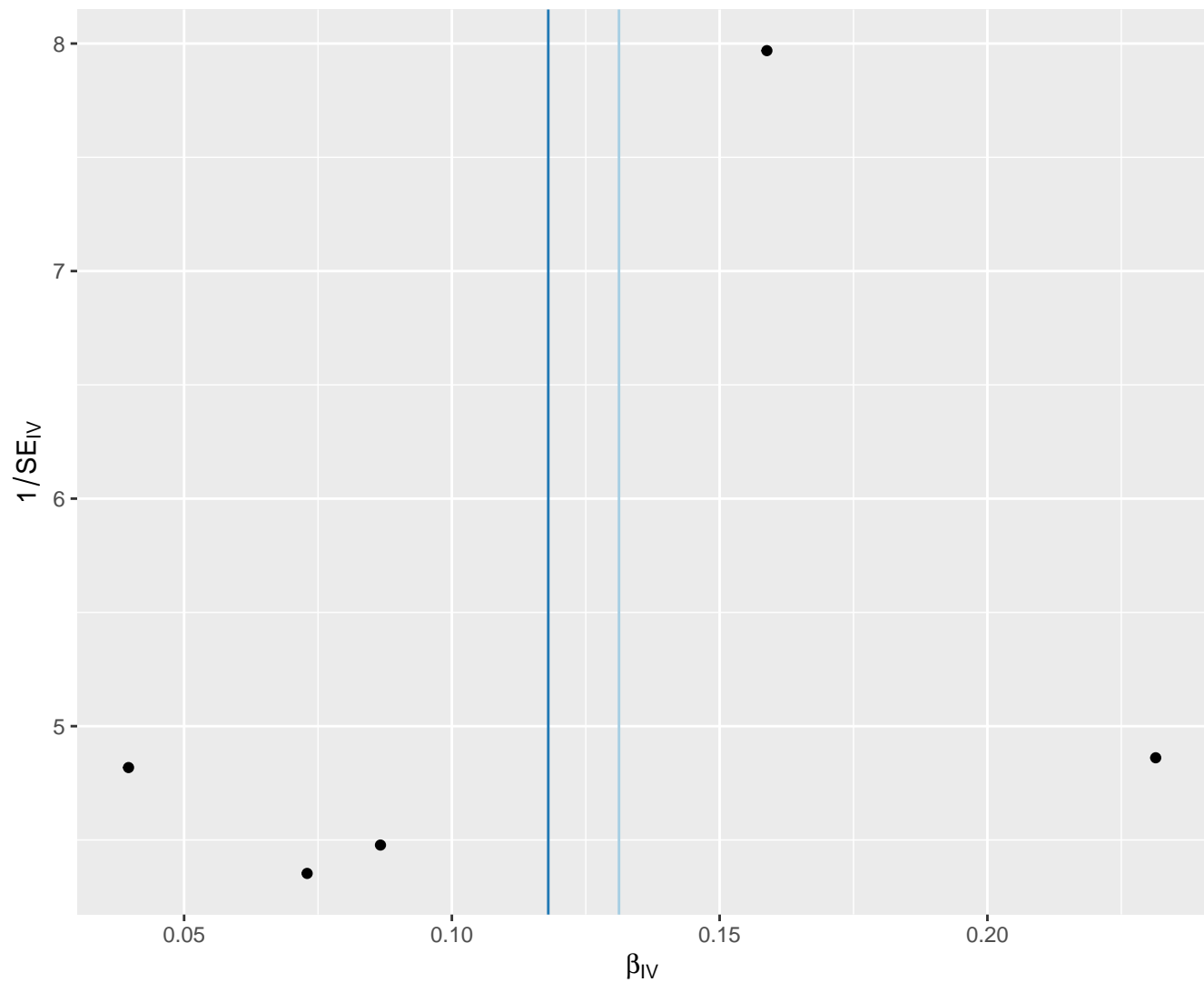
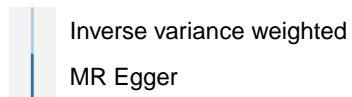
# X-14205--alpha-glutamyltyrosine

MR Method

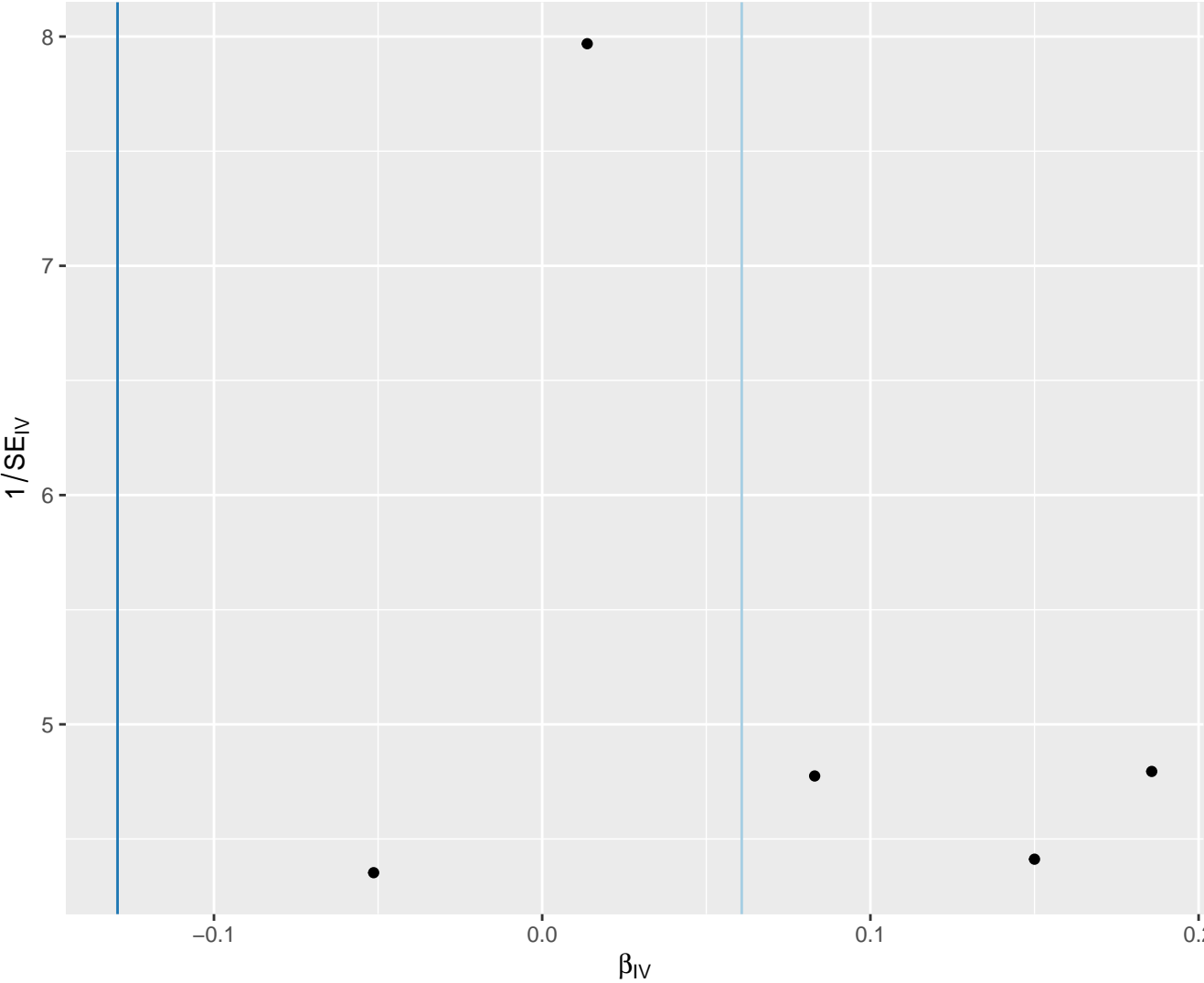
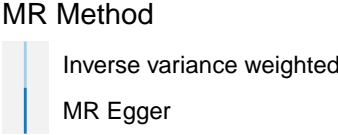


# X-14208--phenylalanyls erine

MR Method

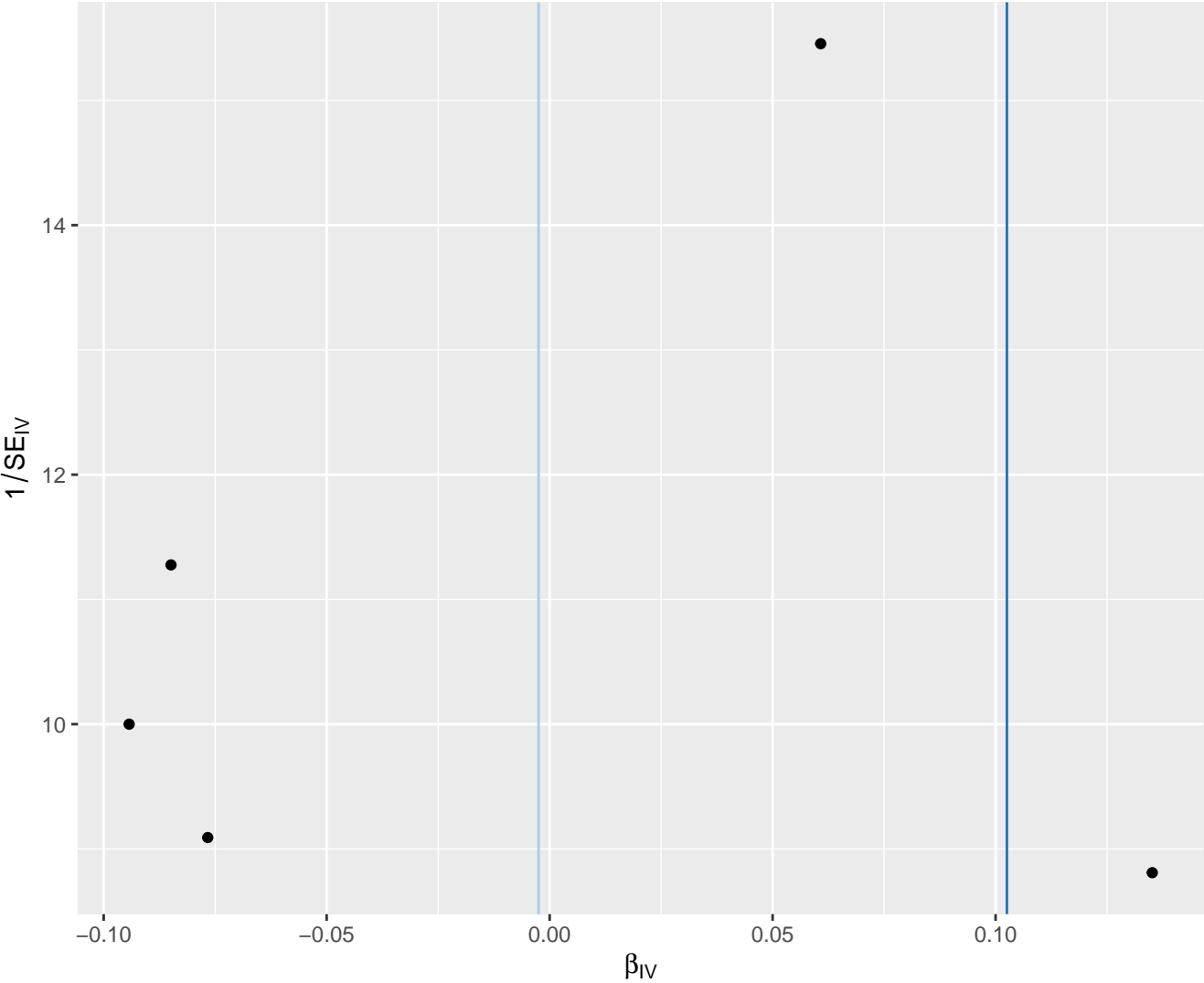


X-14304--leucylalanine



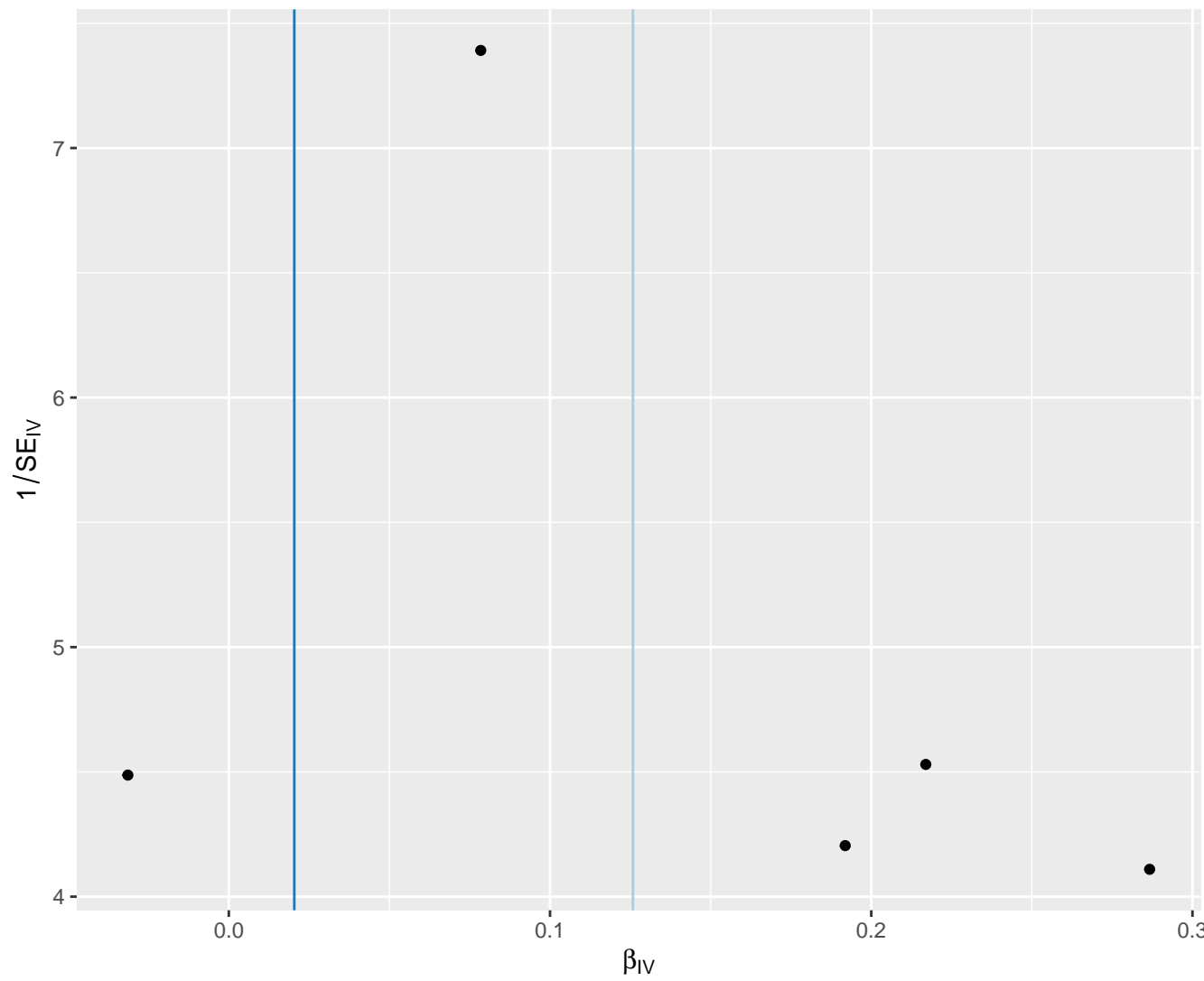
X-14374

MR Method



# X-14450--phenylalanylleucine

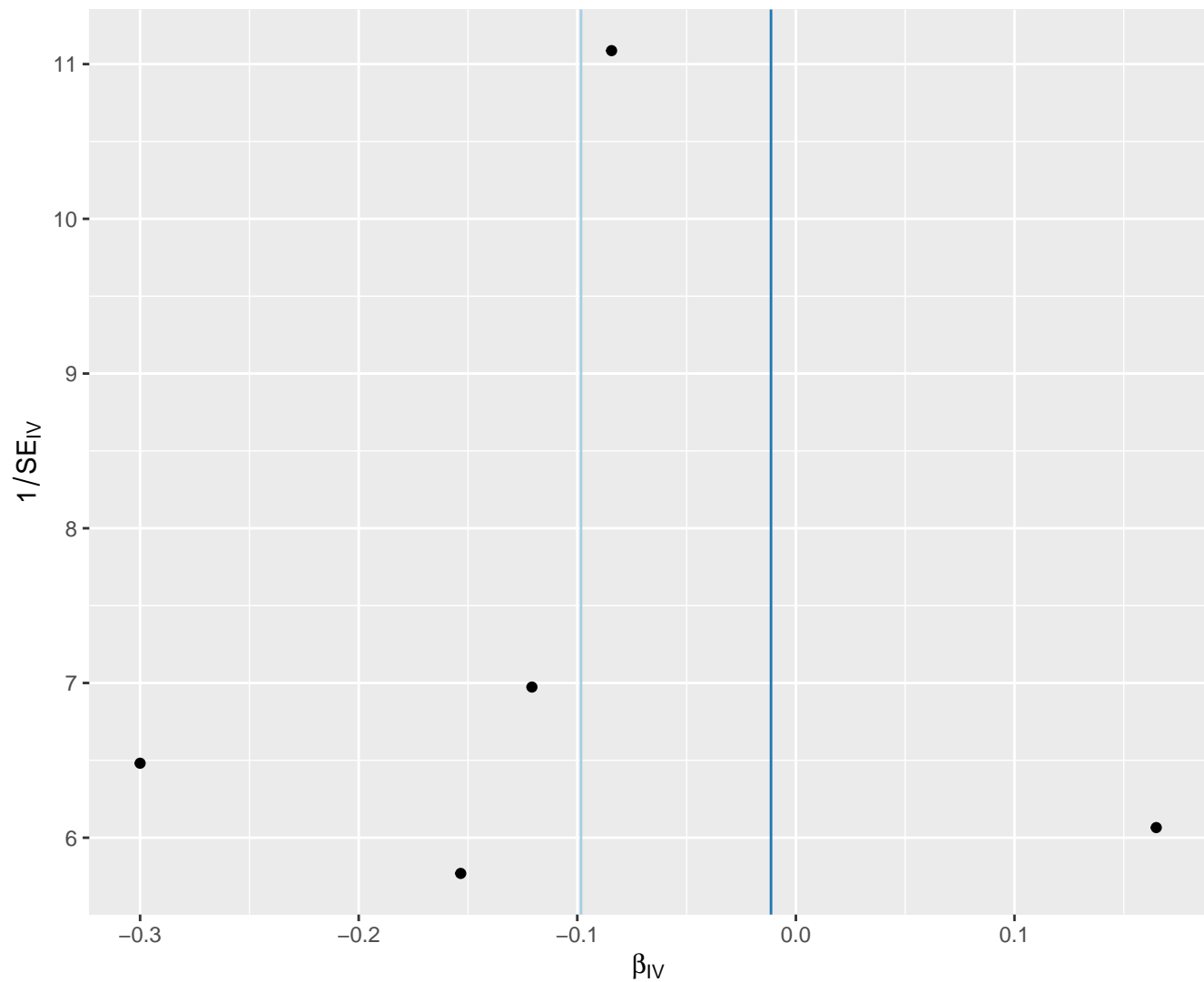
MR Method





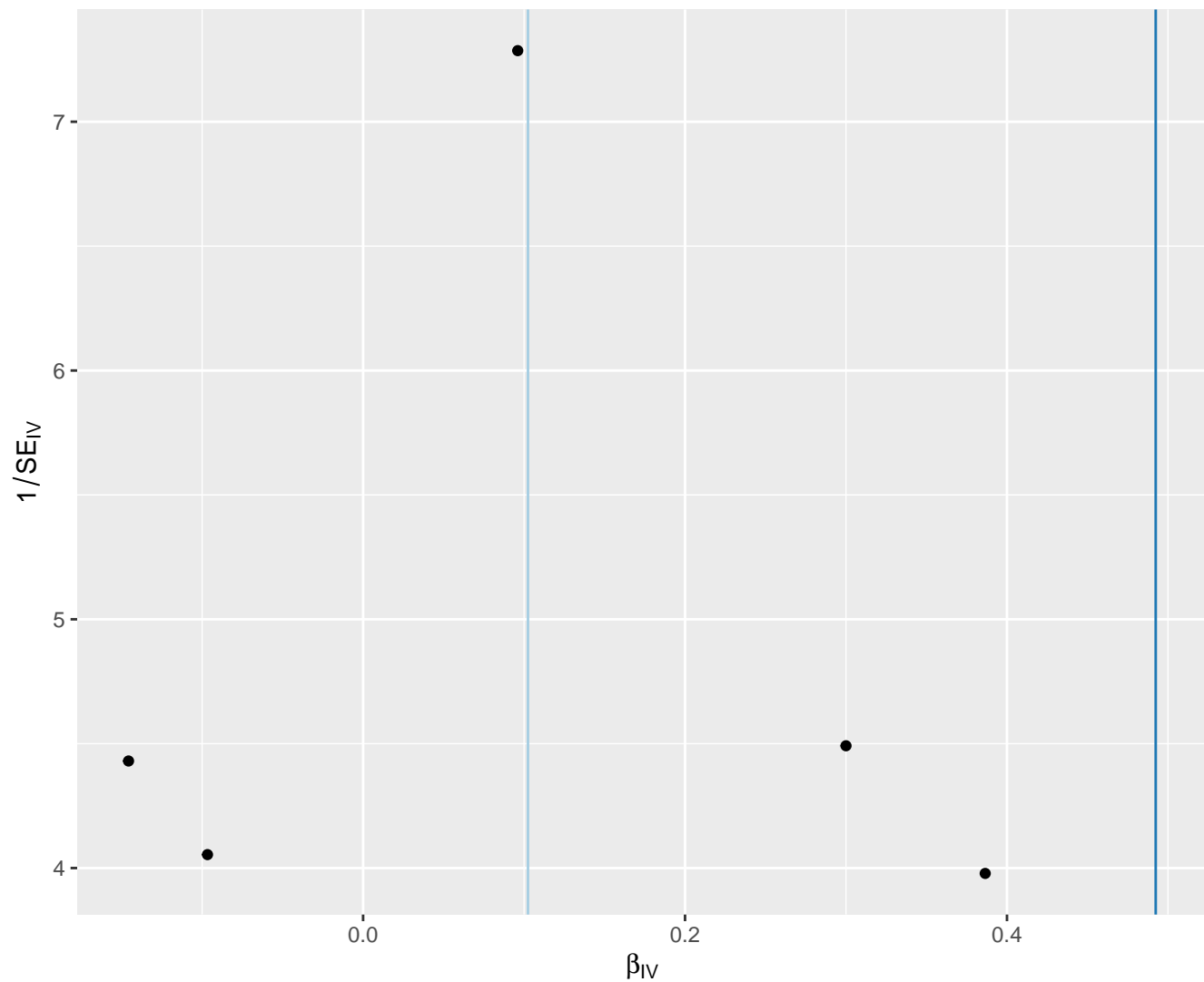
X-14473

MR Method



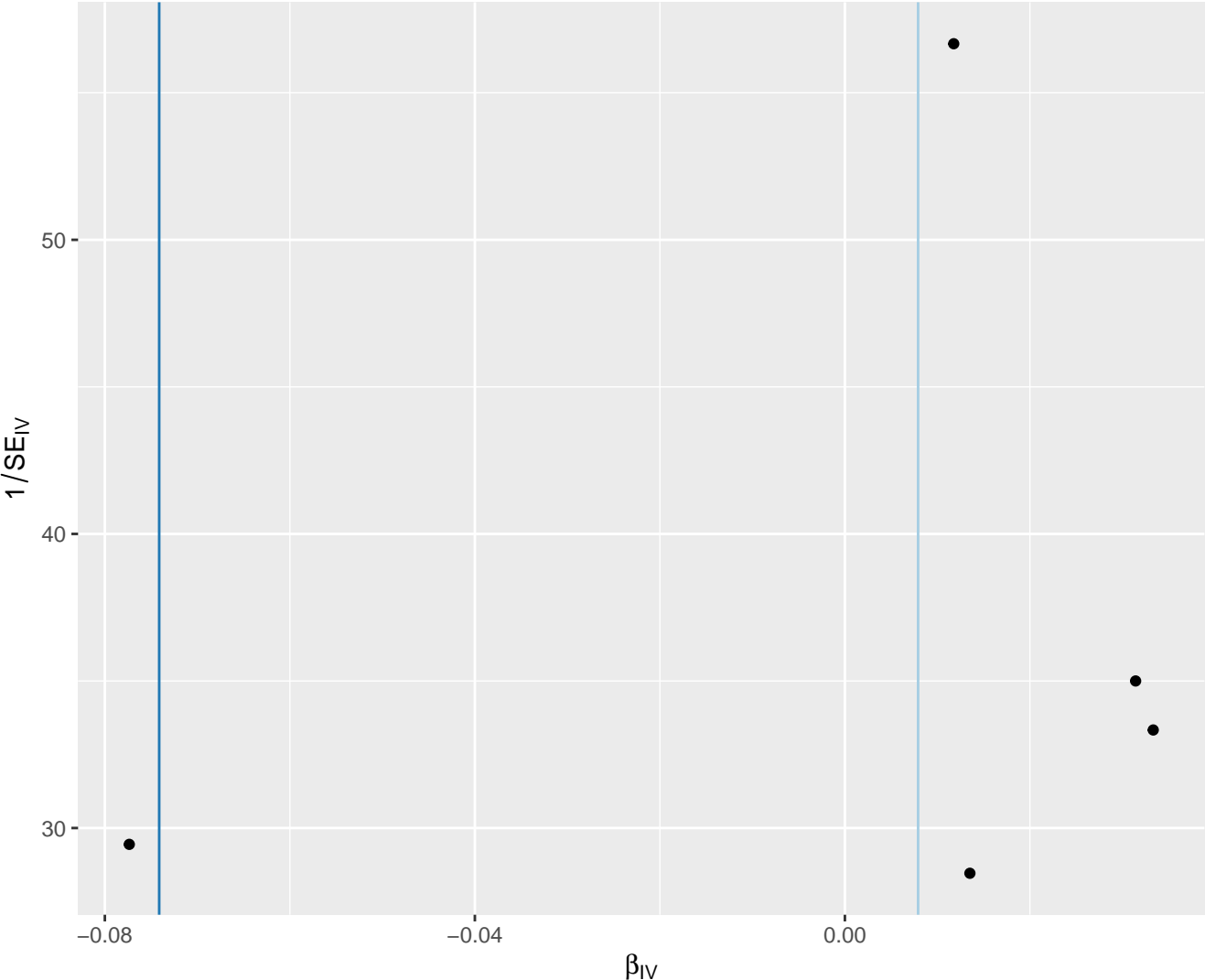
X-14541

MR Method



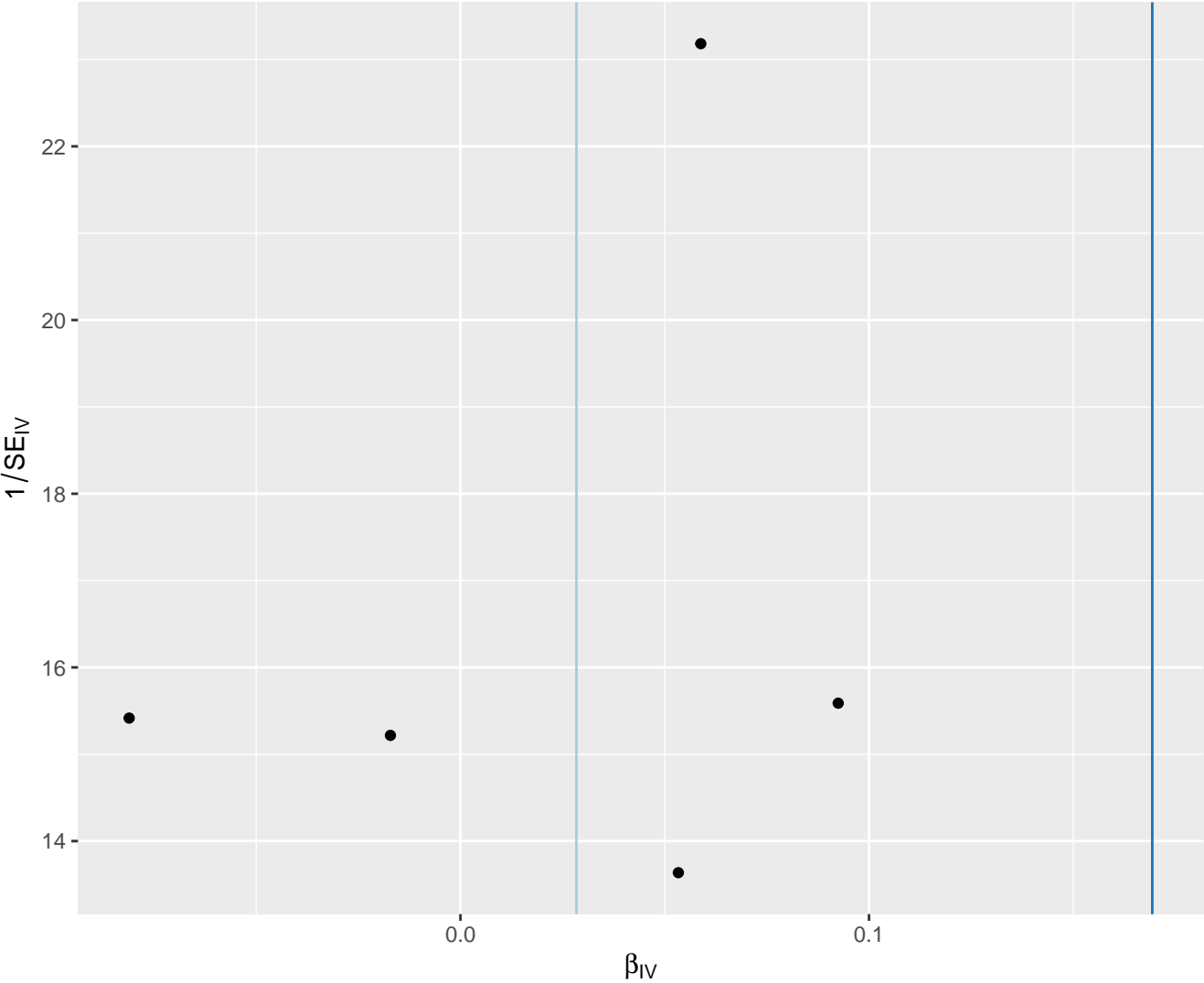
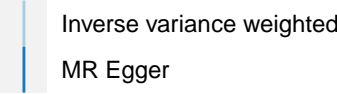
X-14588

MR Method

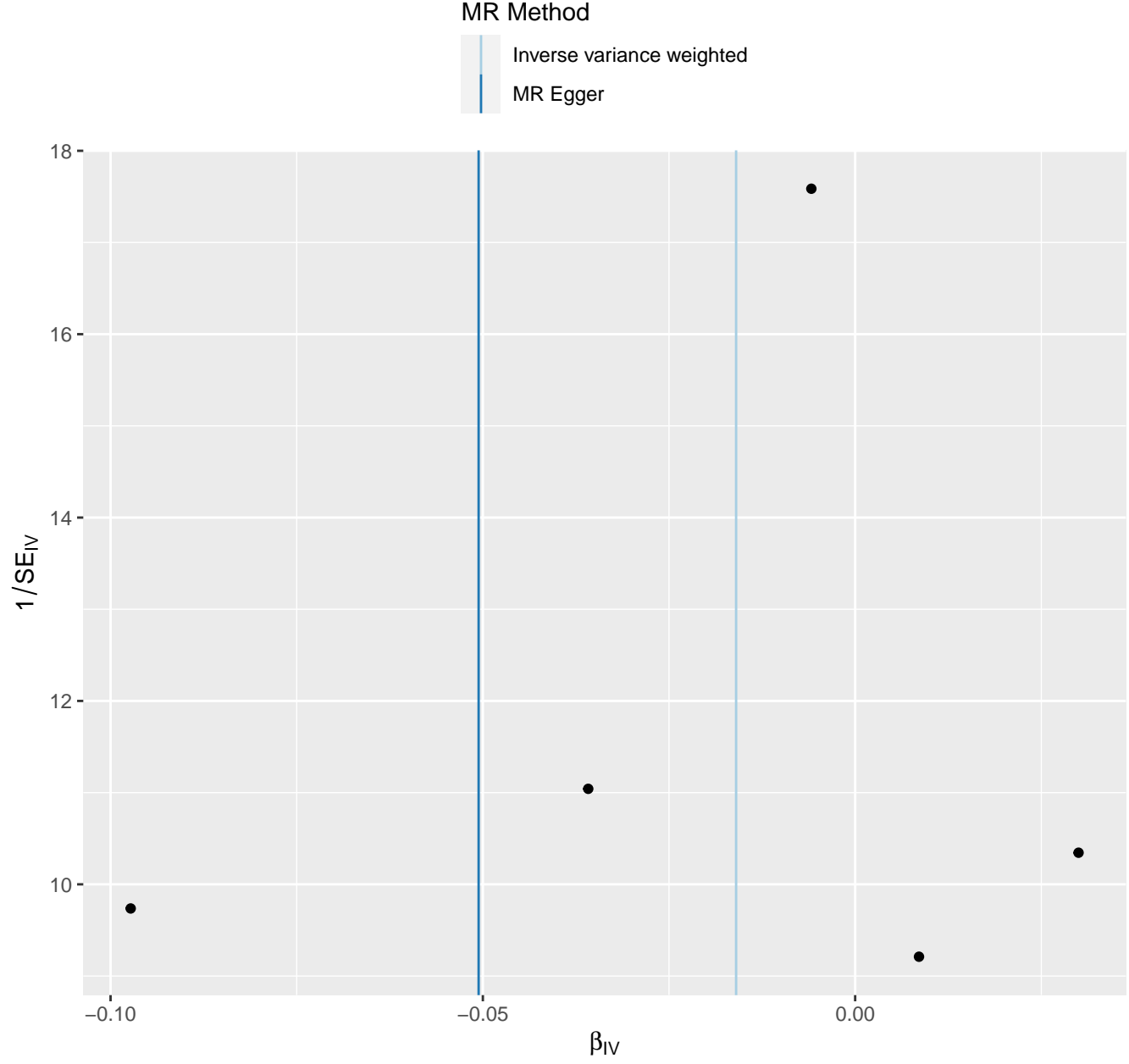


X-14625

MR Method

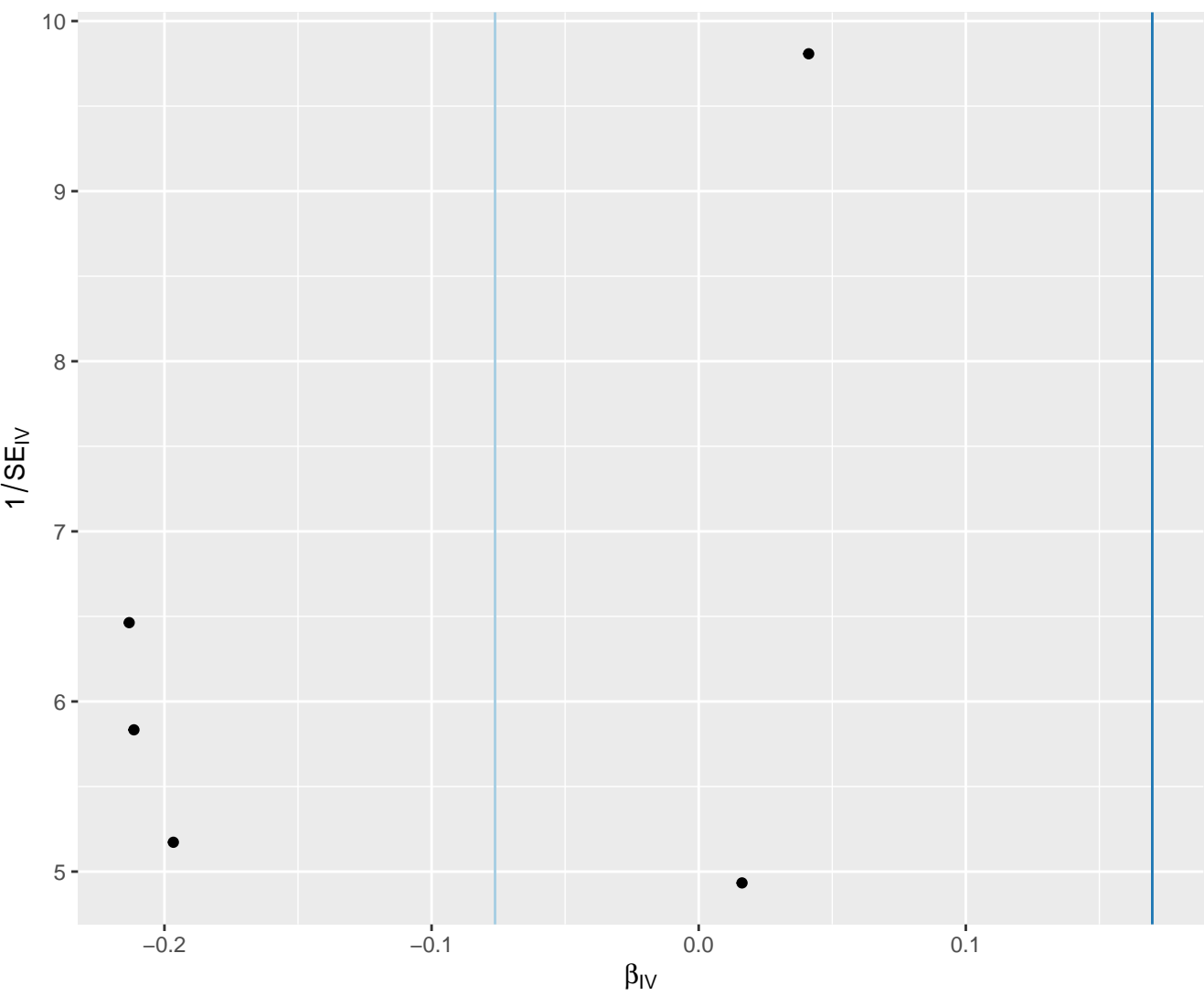


X-14626



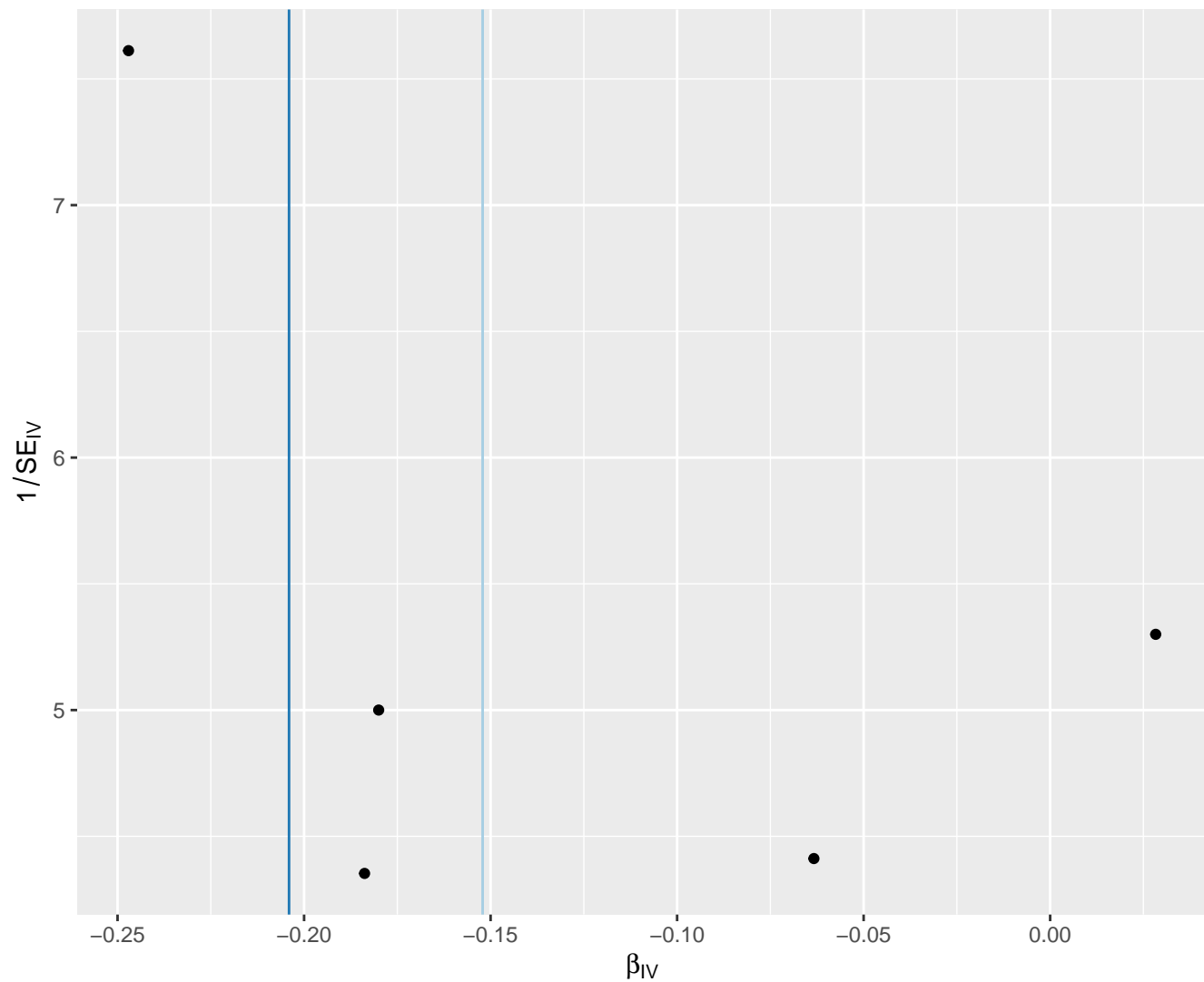
X-14632

MR Method



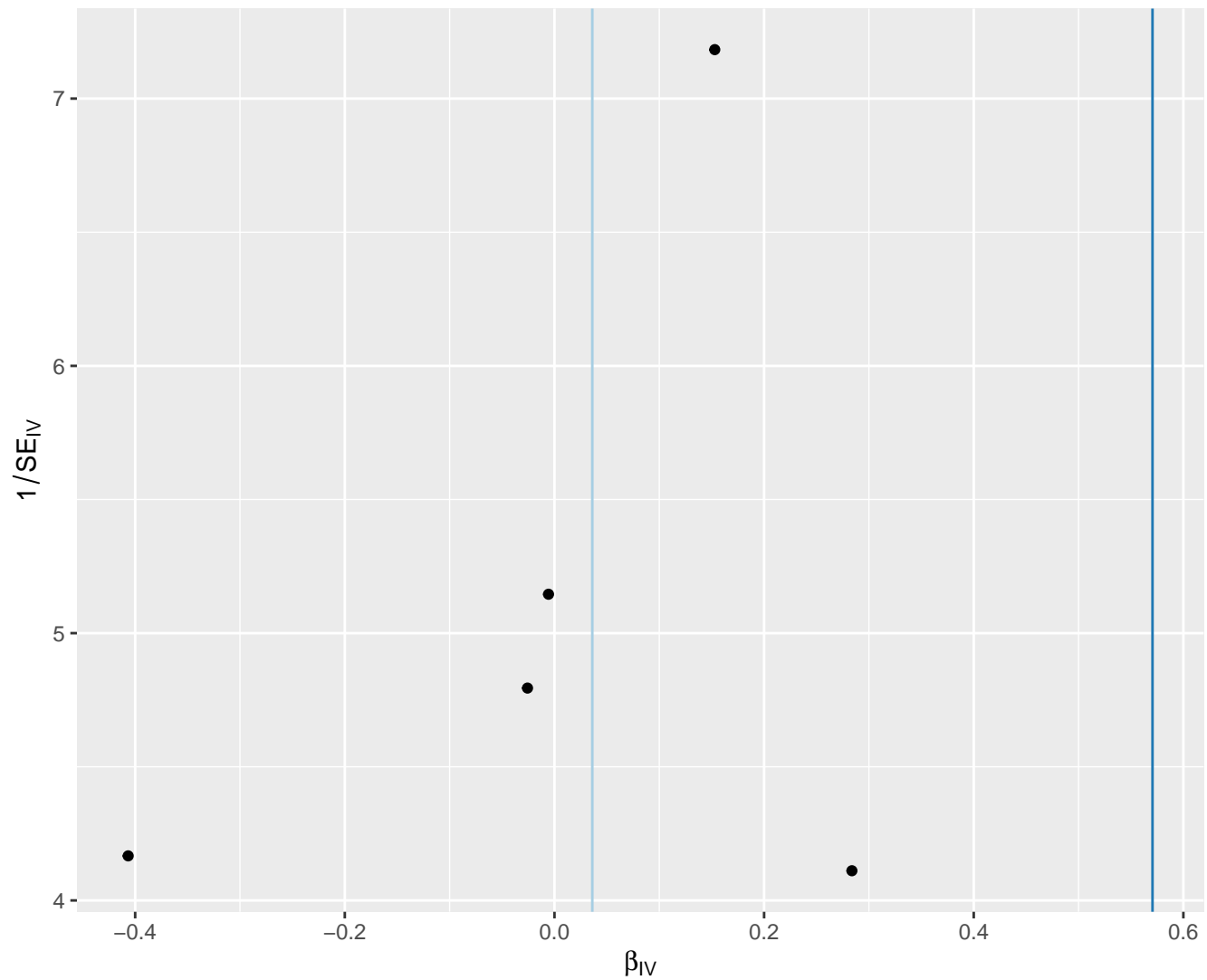
X-14658

MR Method



X-14662

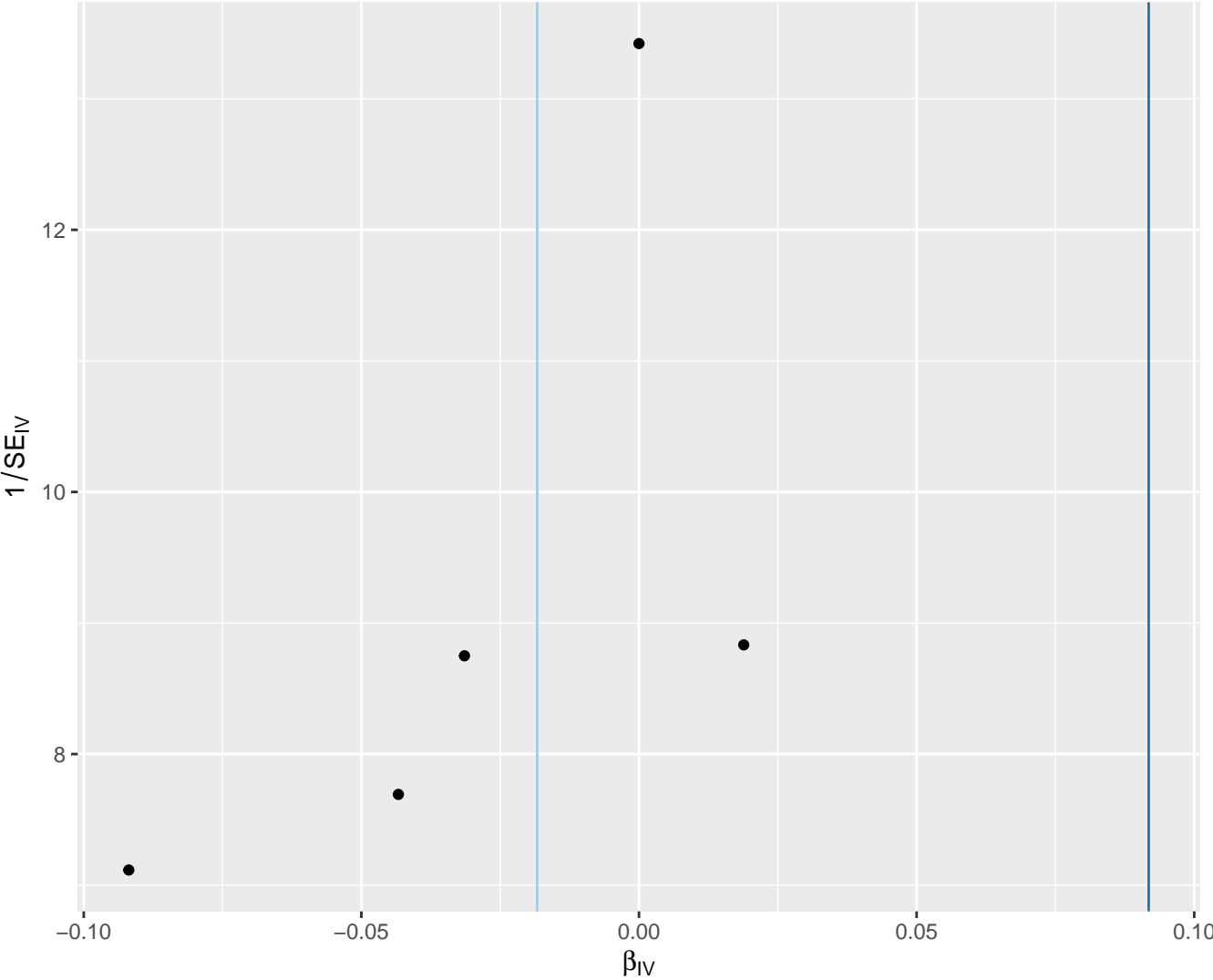
MR Method





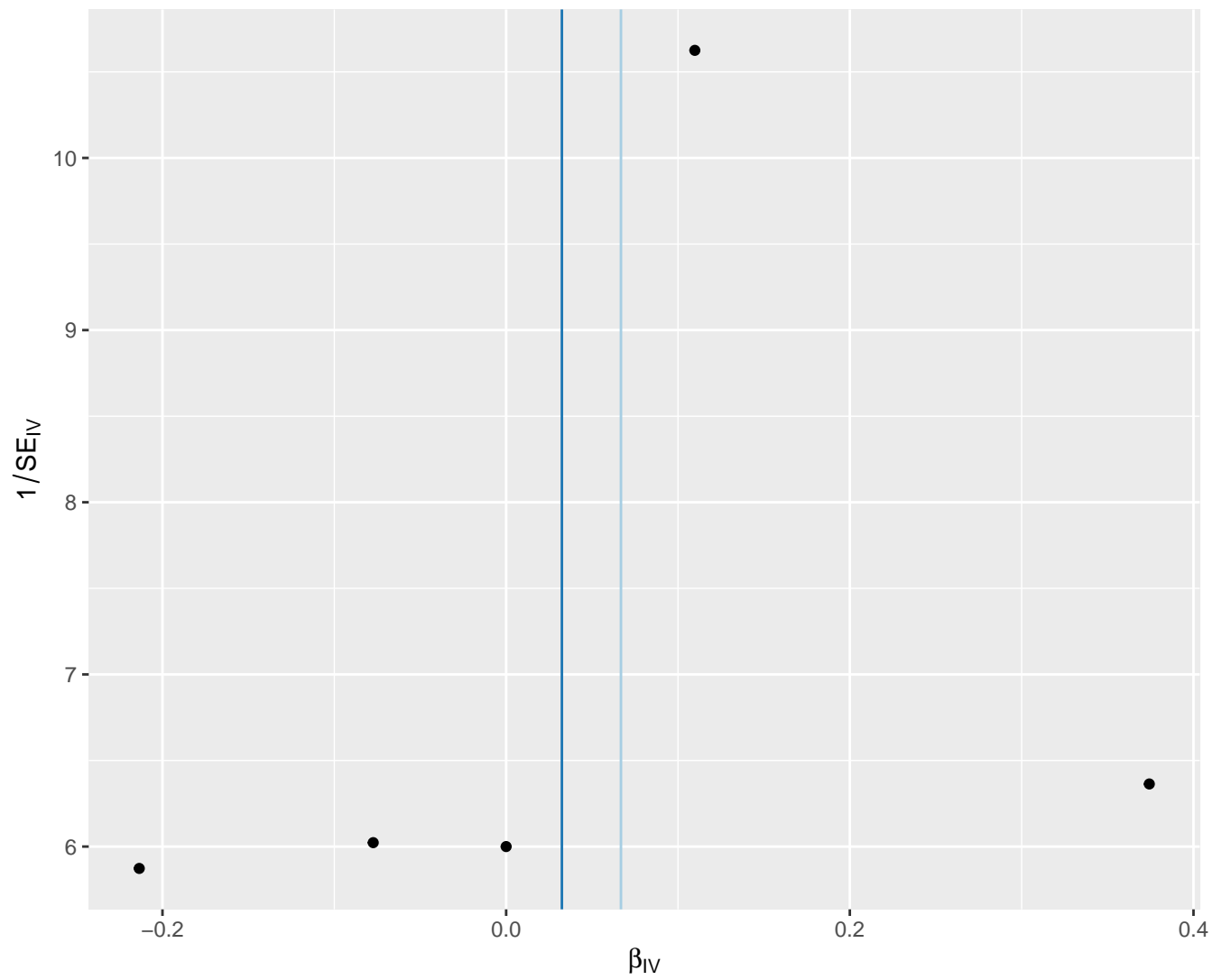
X-14745

MR Method



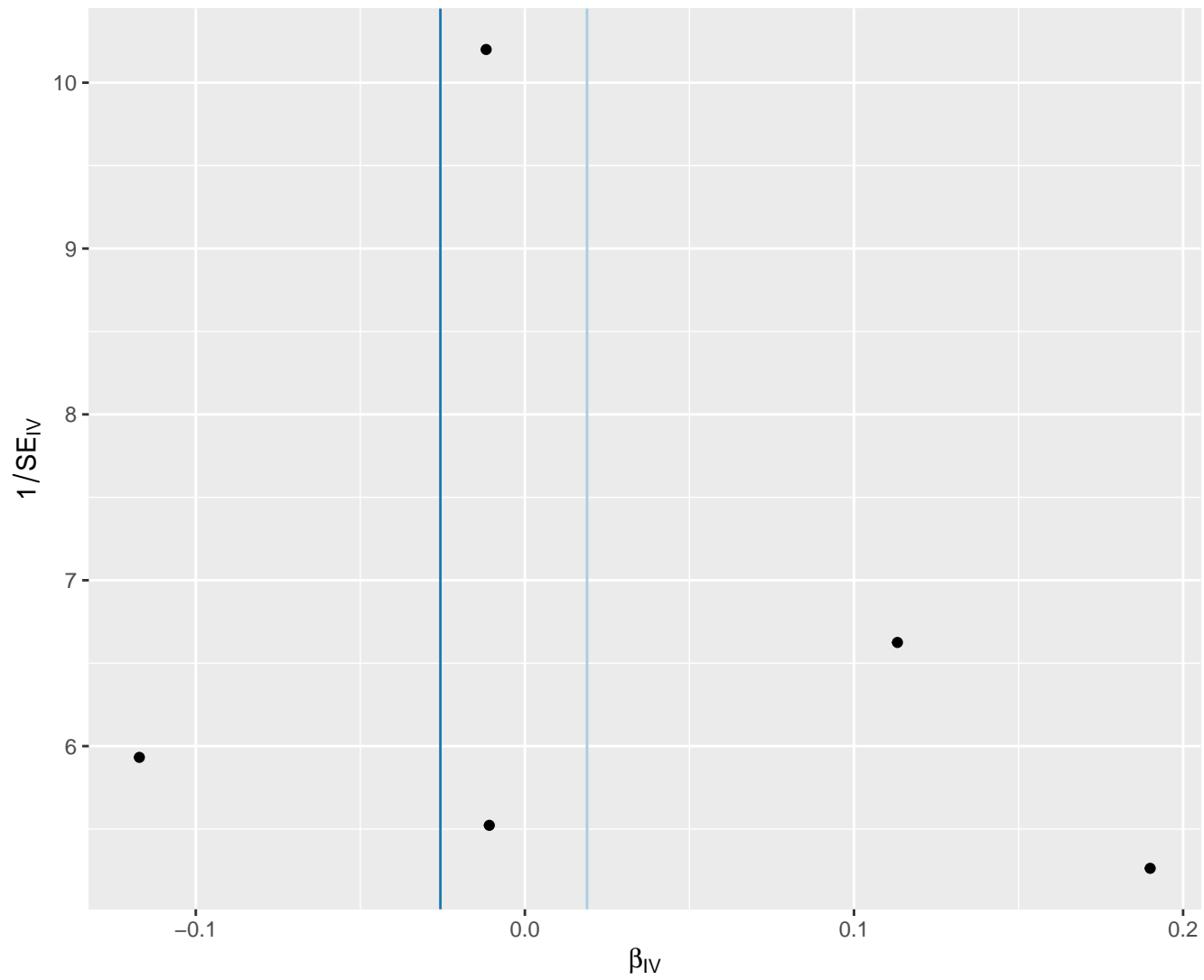
# X-14977--vanillin

MR Method



X-18601

MR Method



# Xanthine

MR Method

