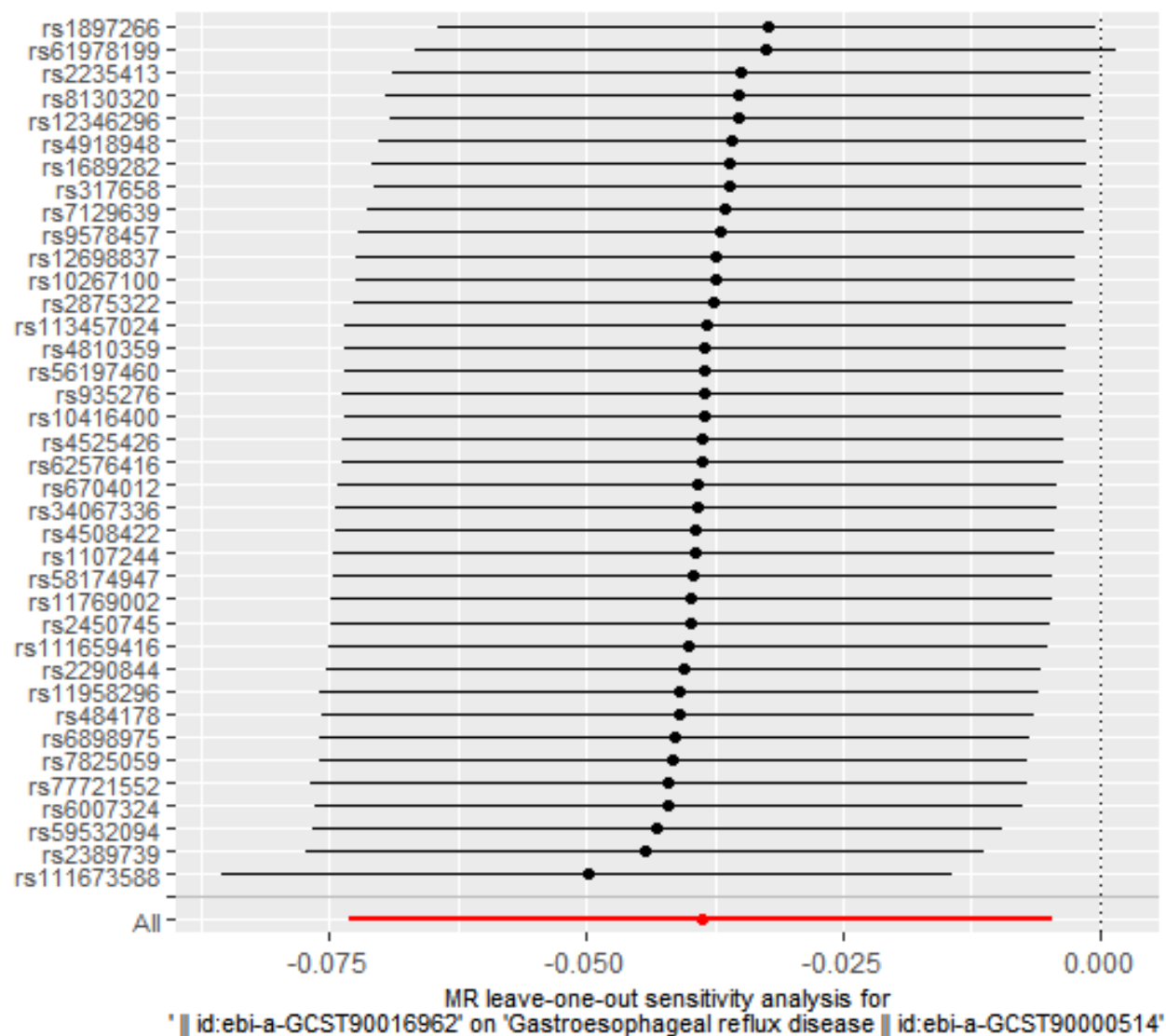
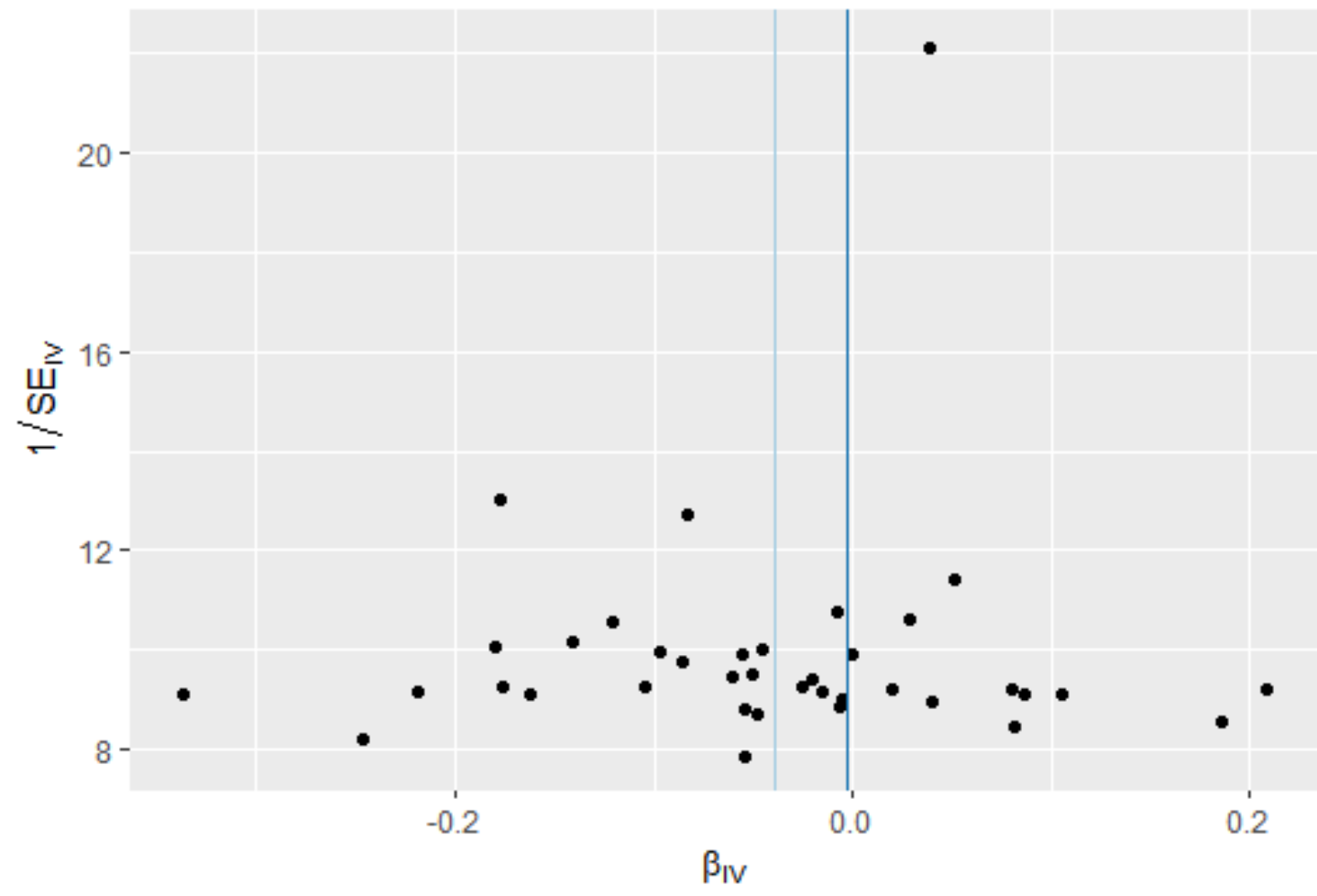


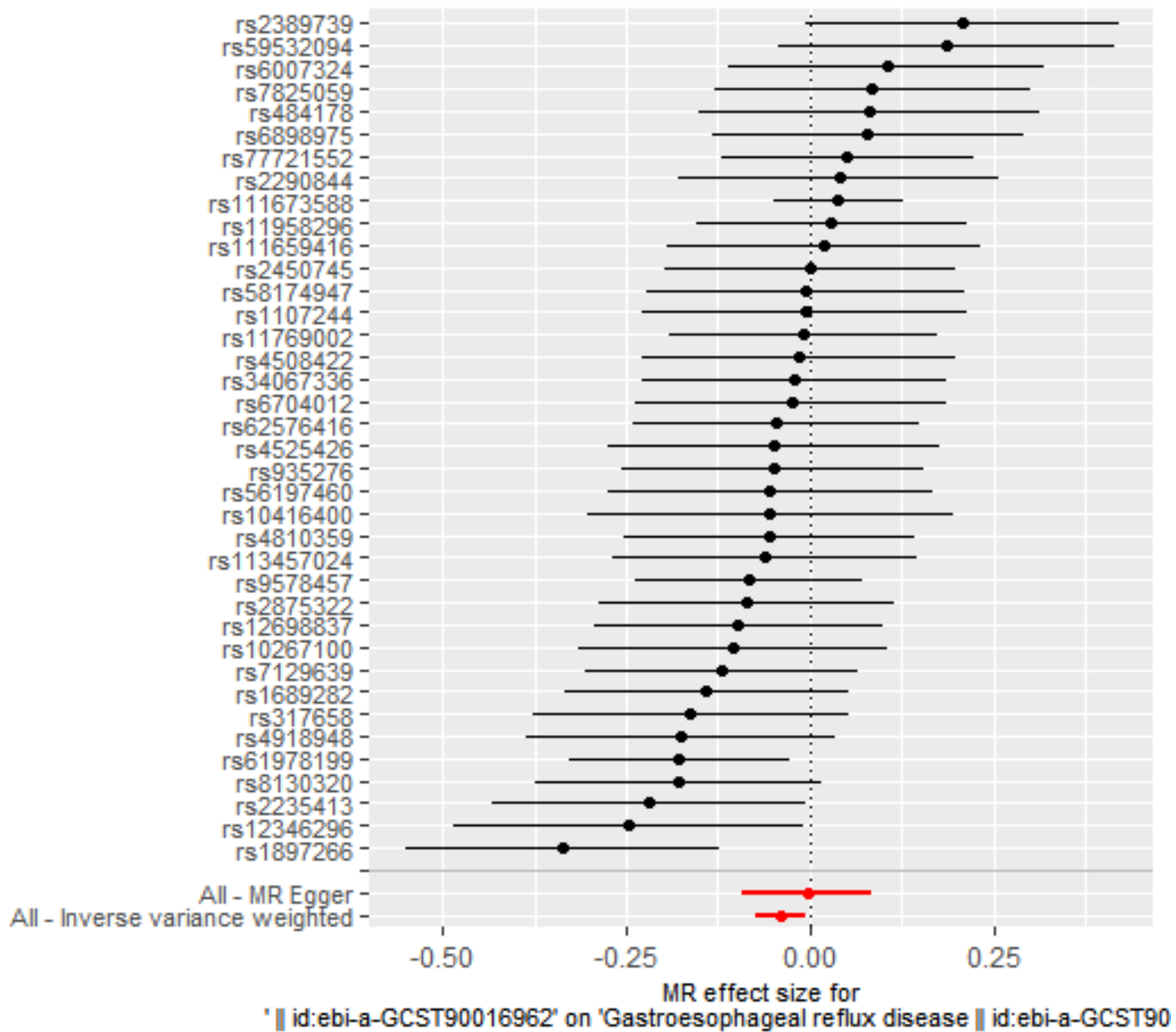
Figure 1 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Alistipes* id.968) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





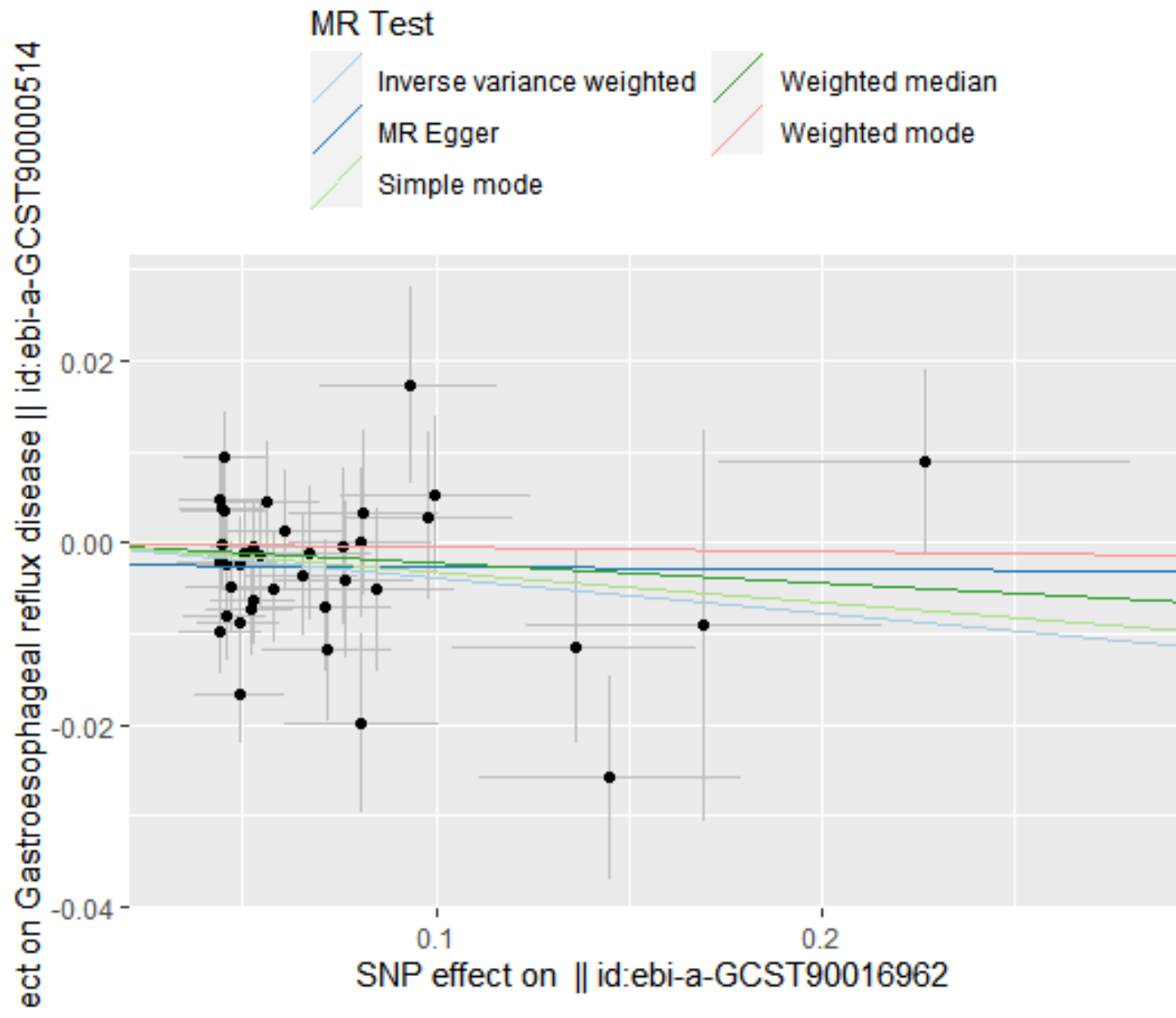
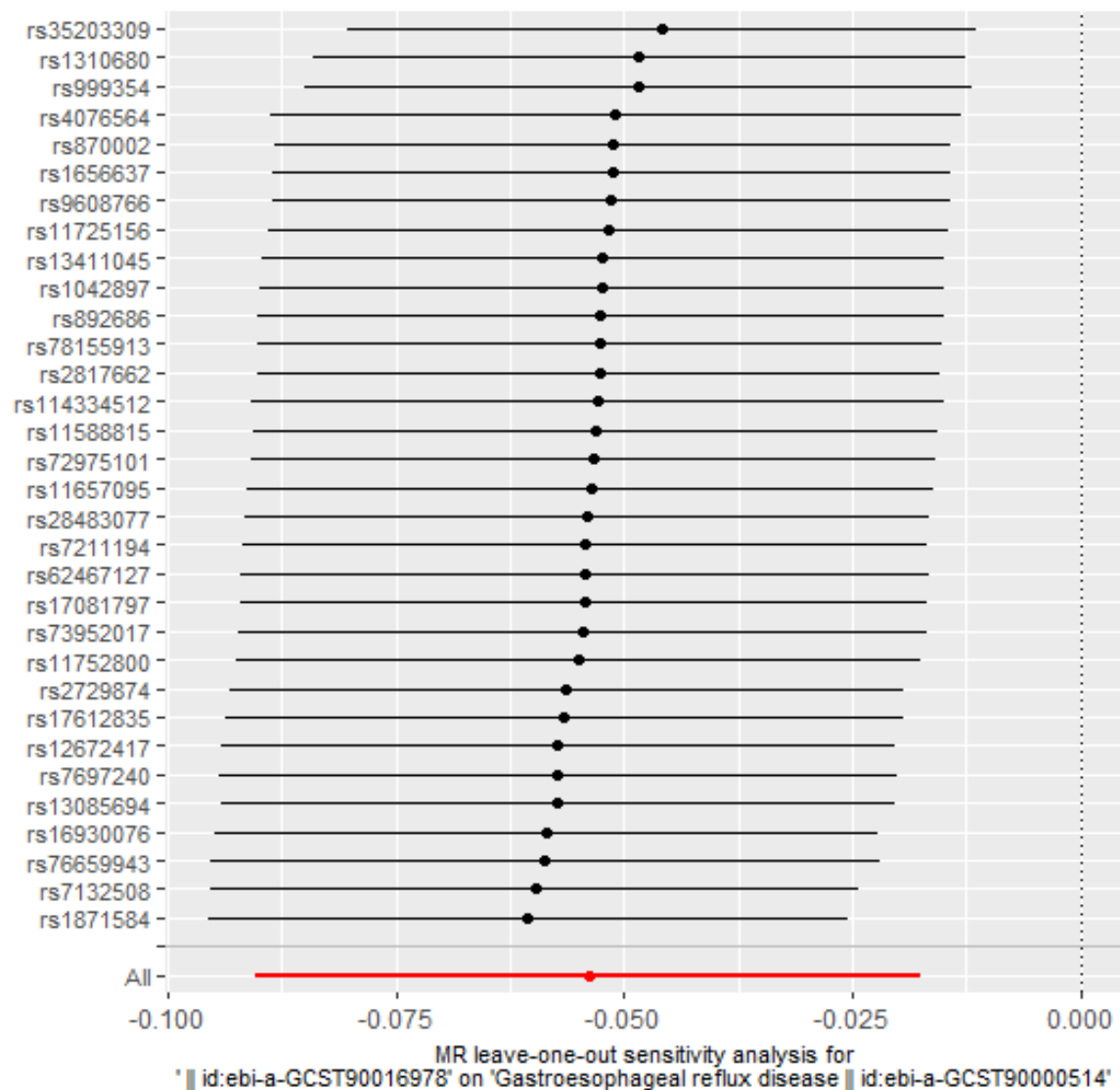
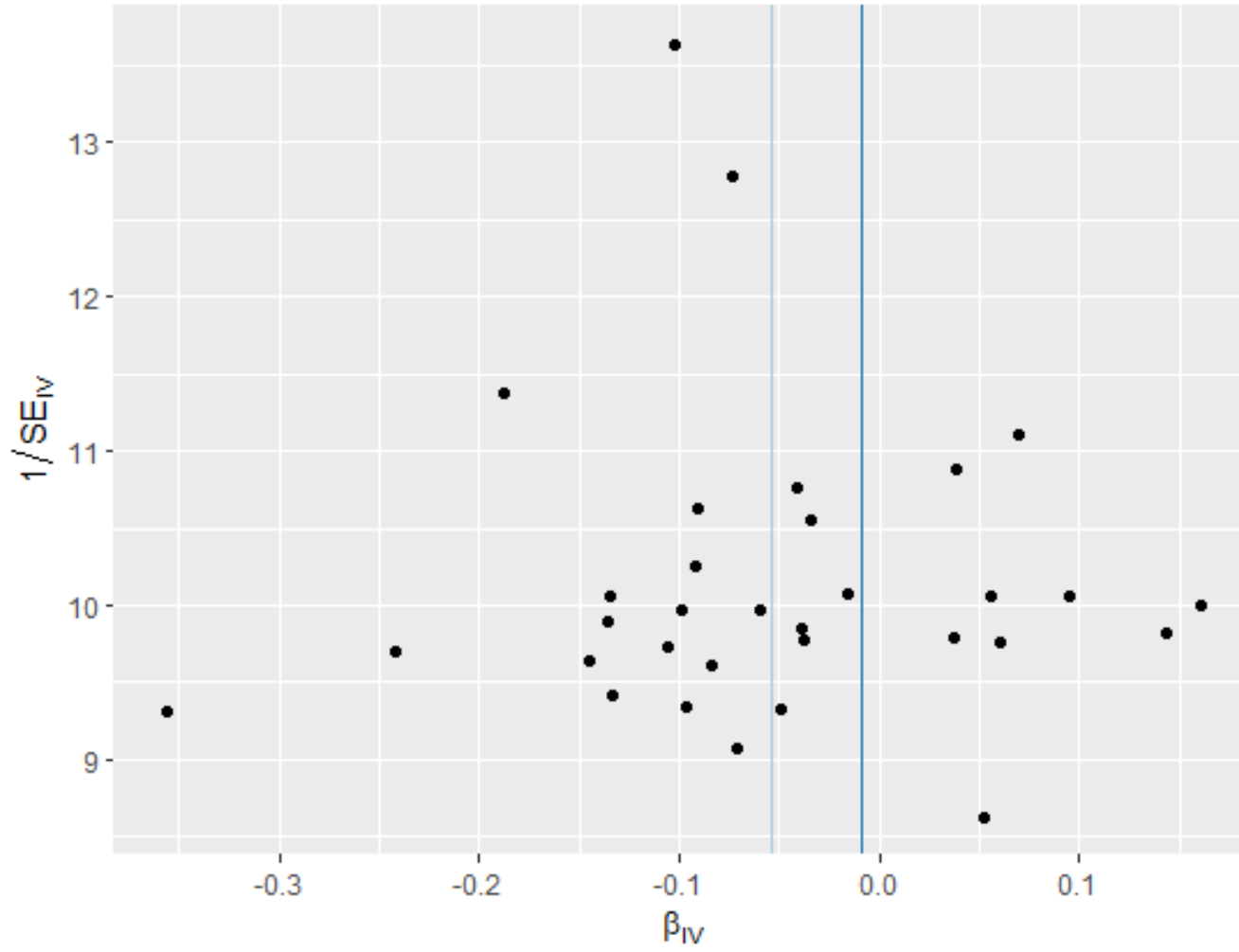


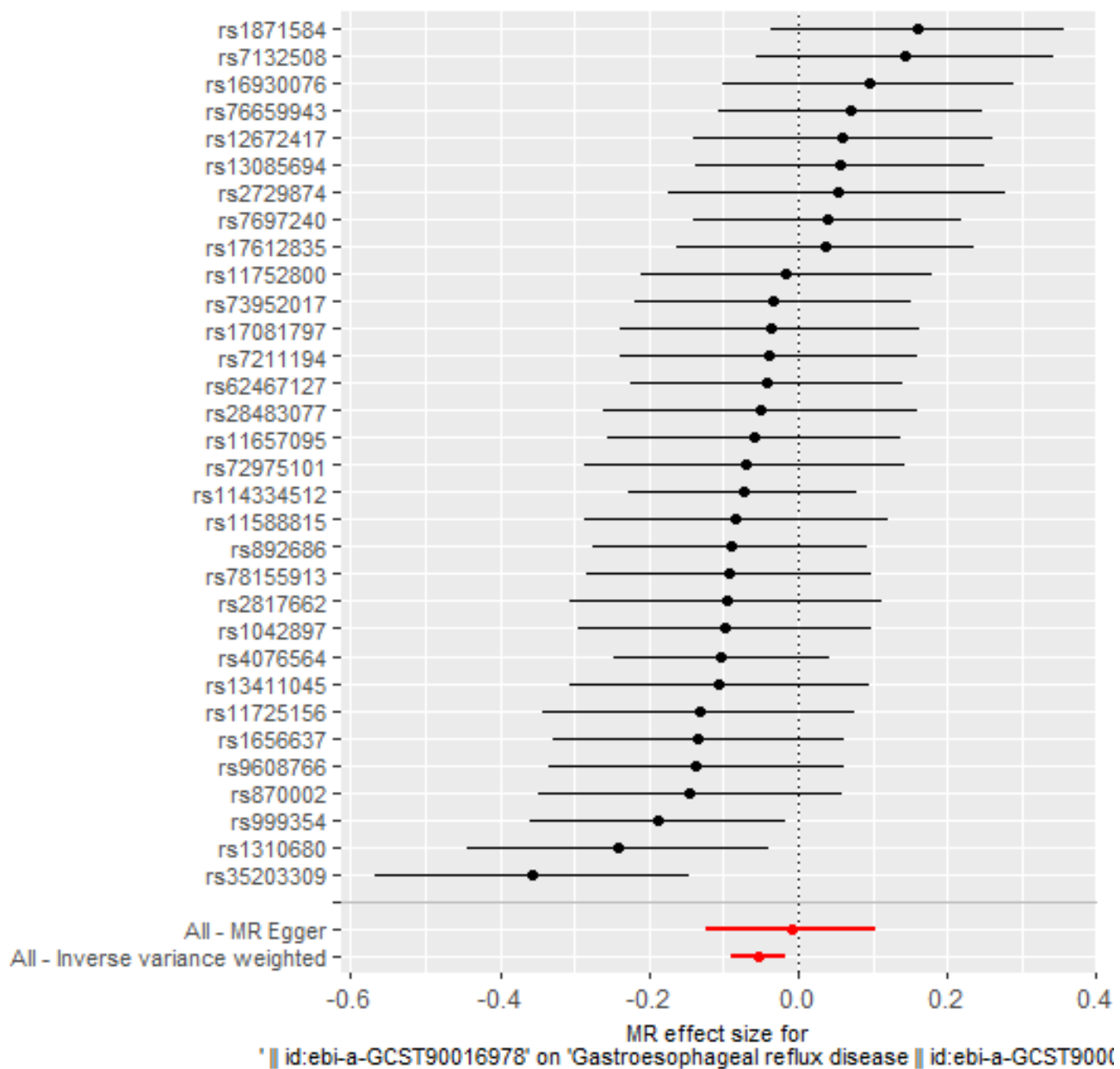
Figure 2 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





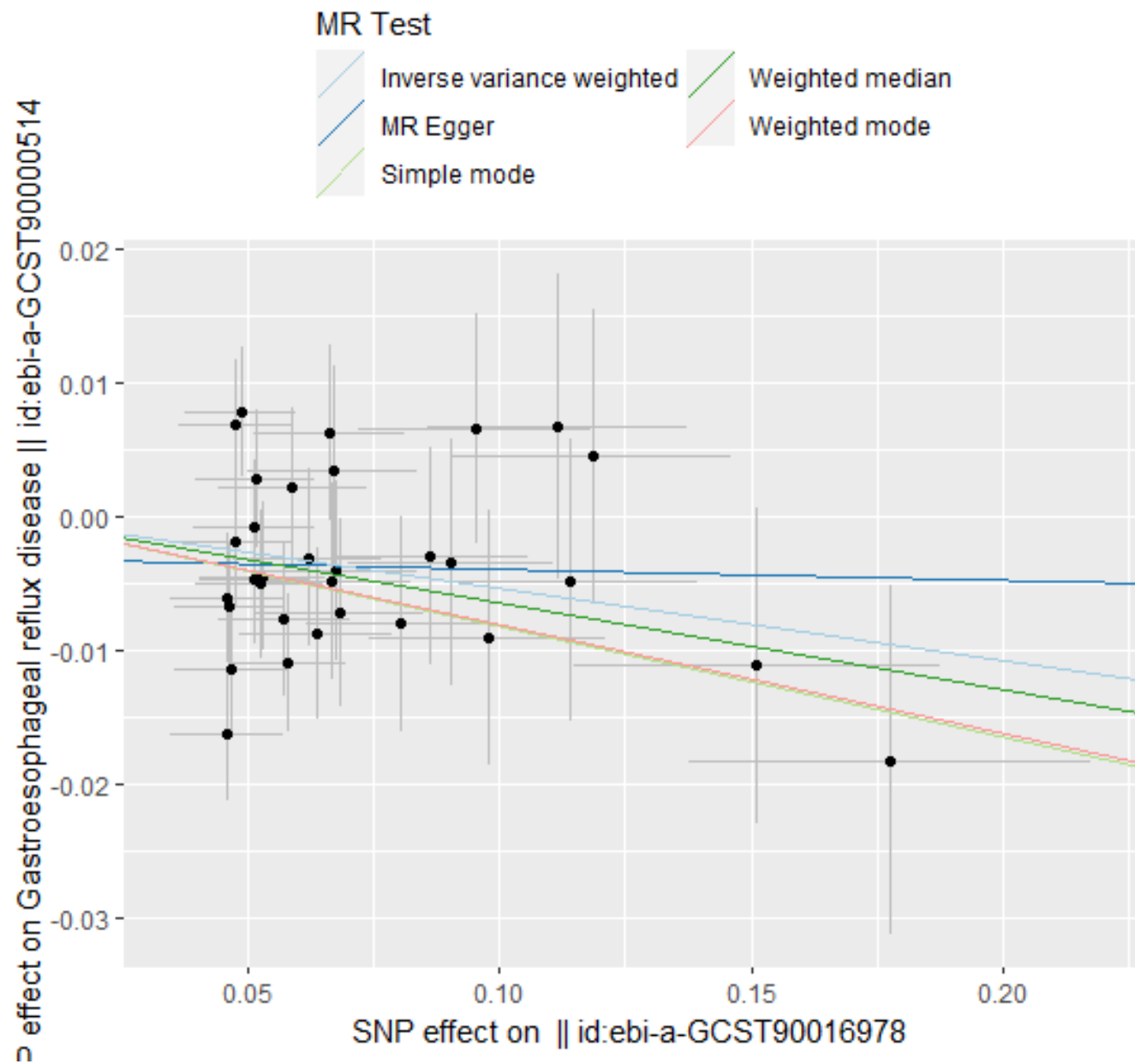
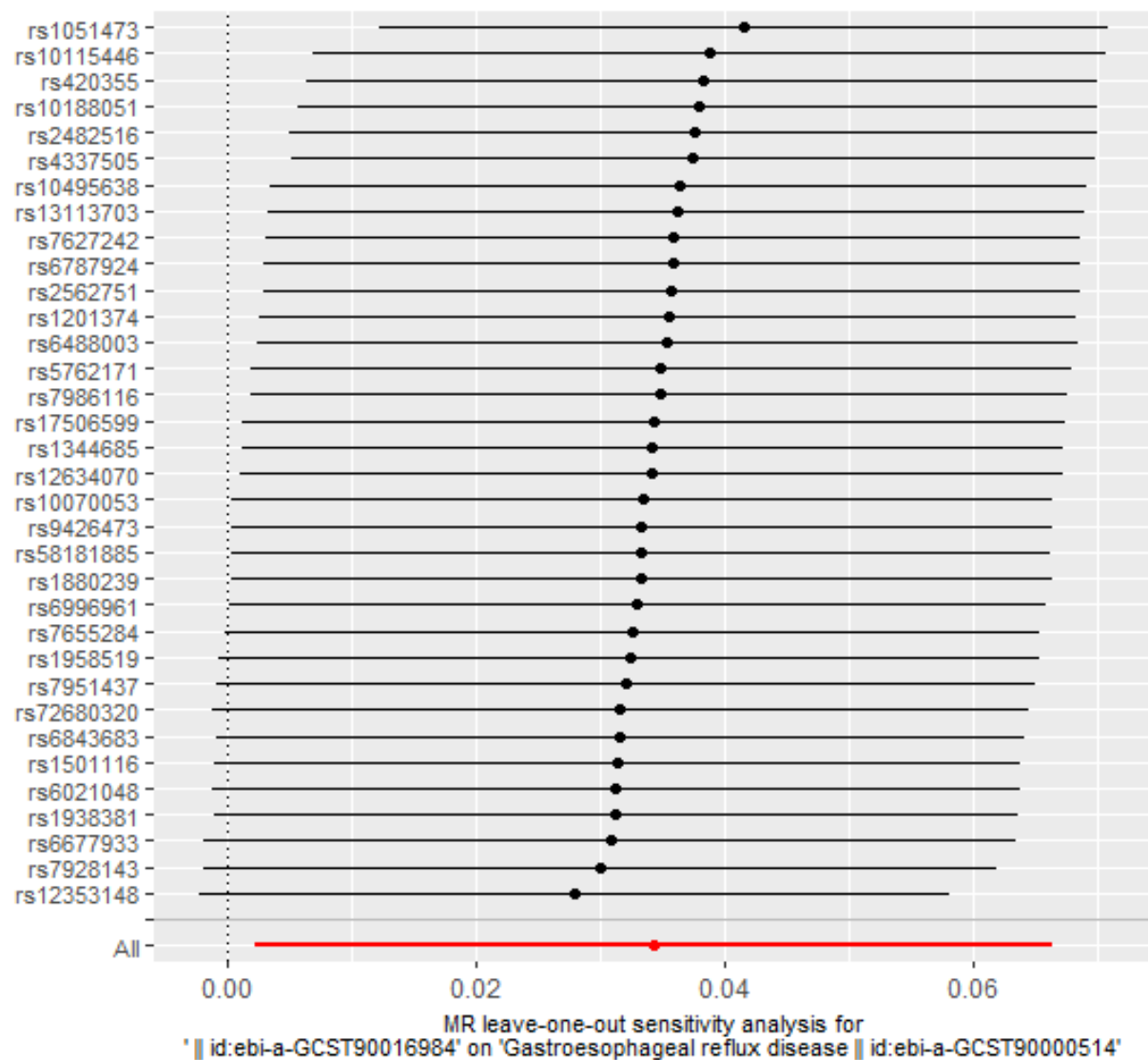
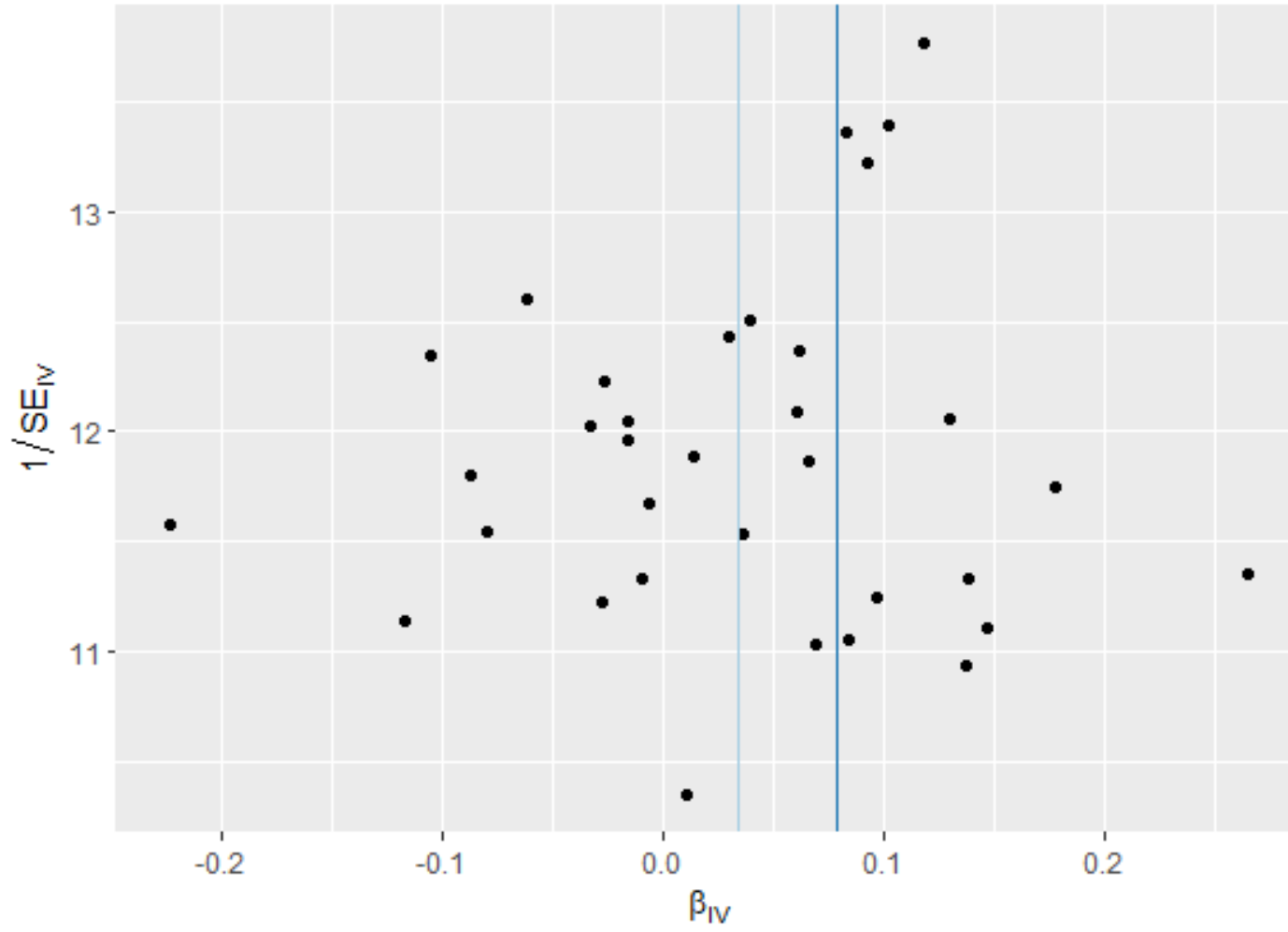


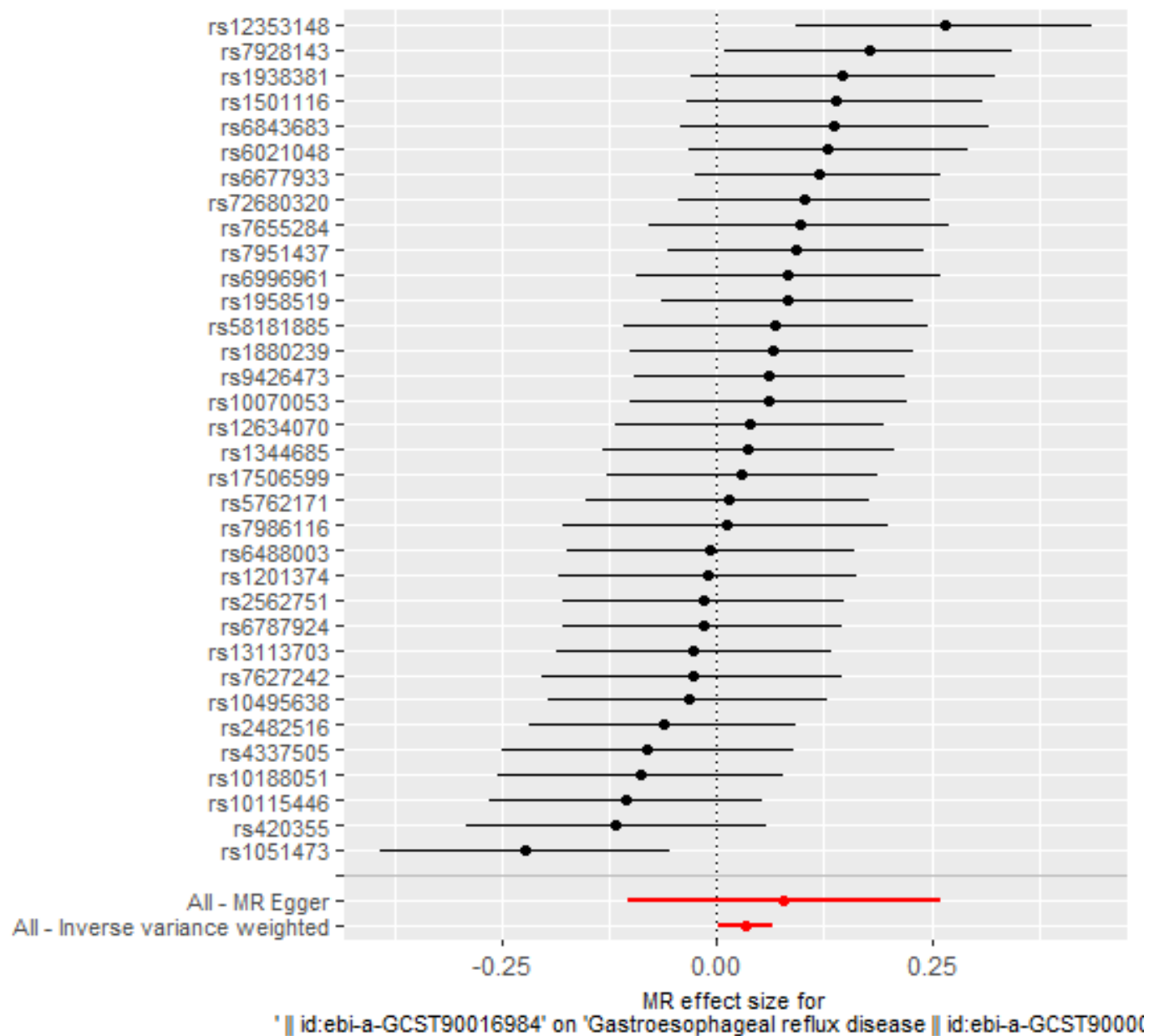
Figure 3 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Coprococcus2 id.11302) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





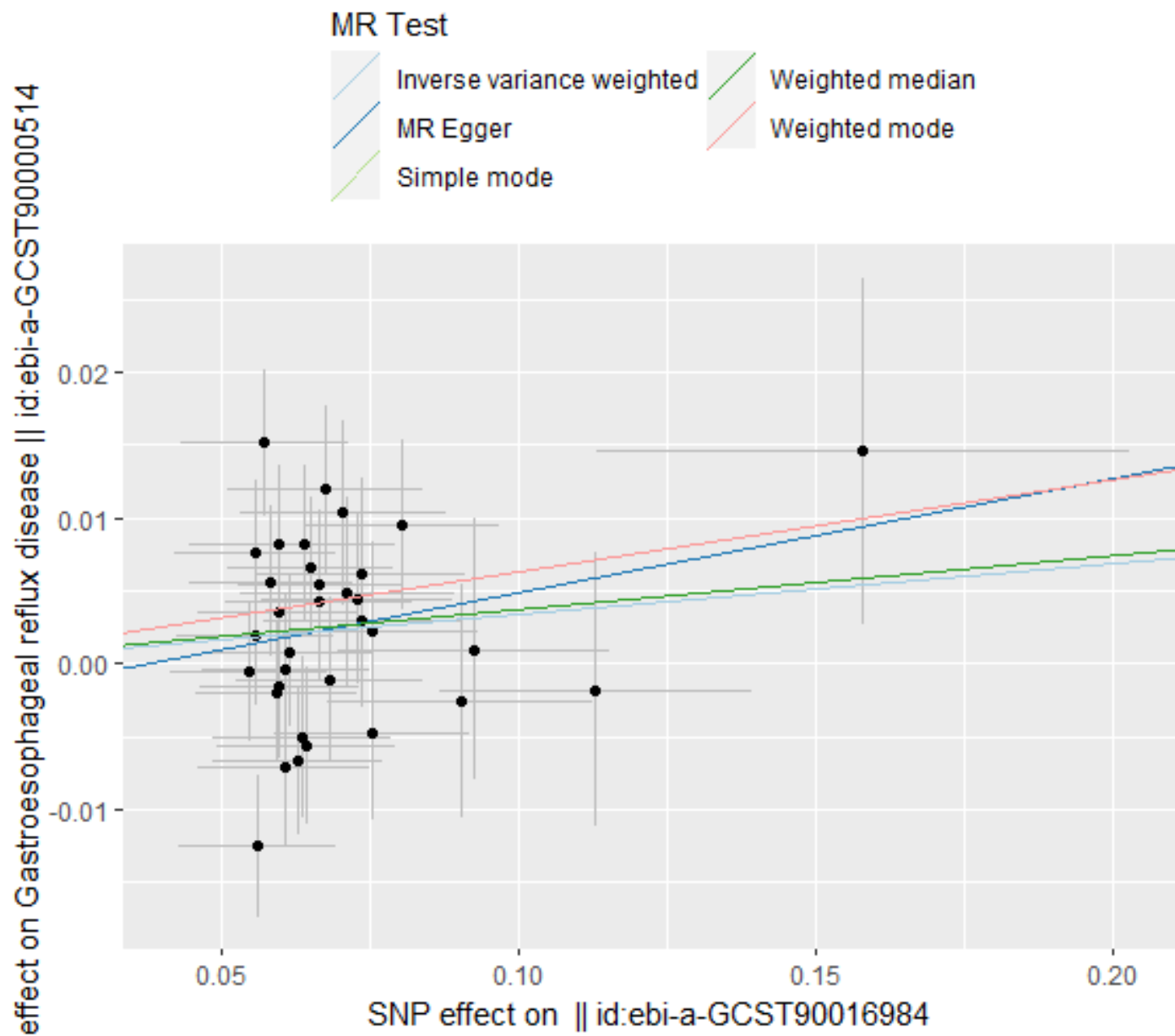
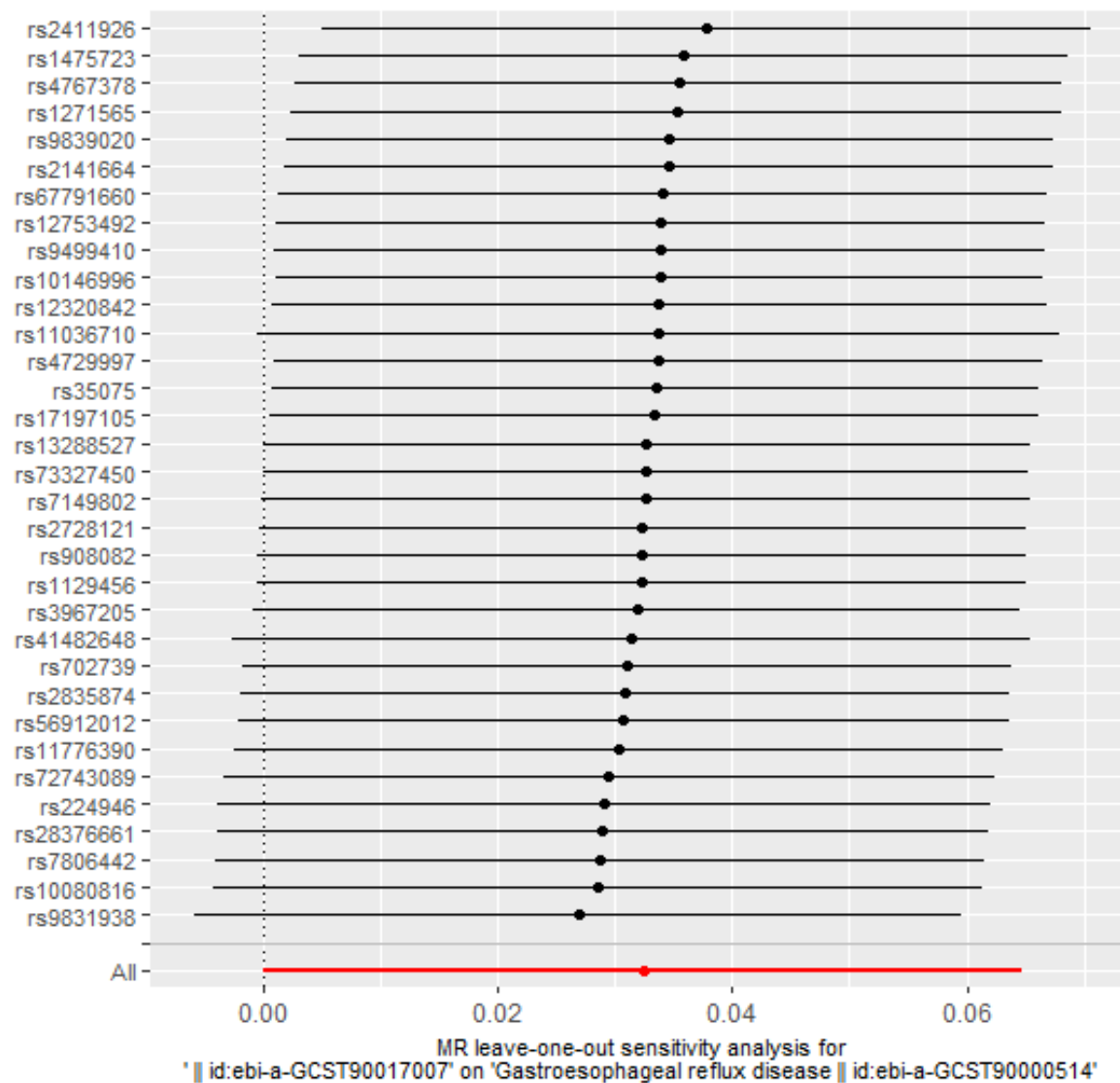
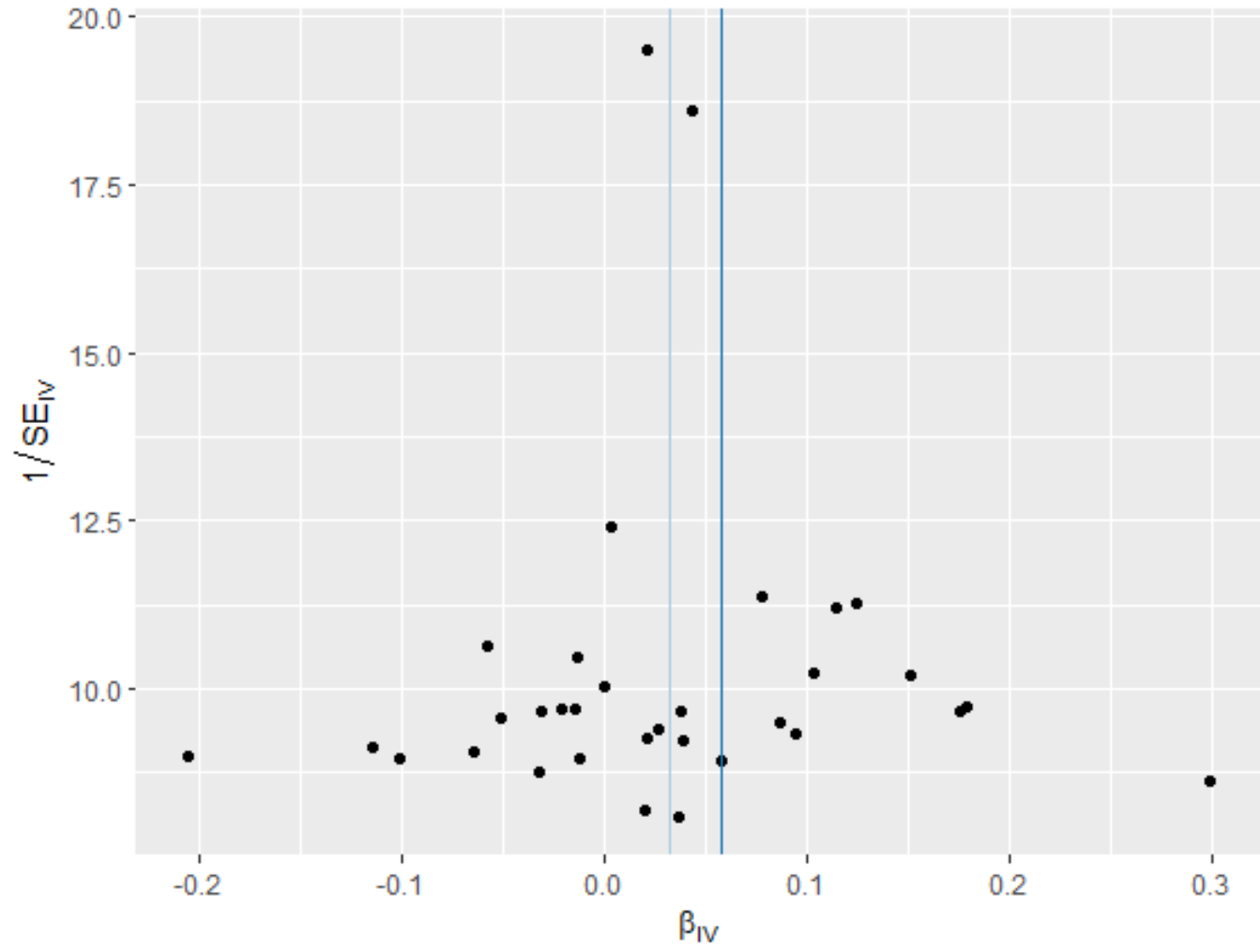


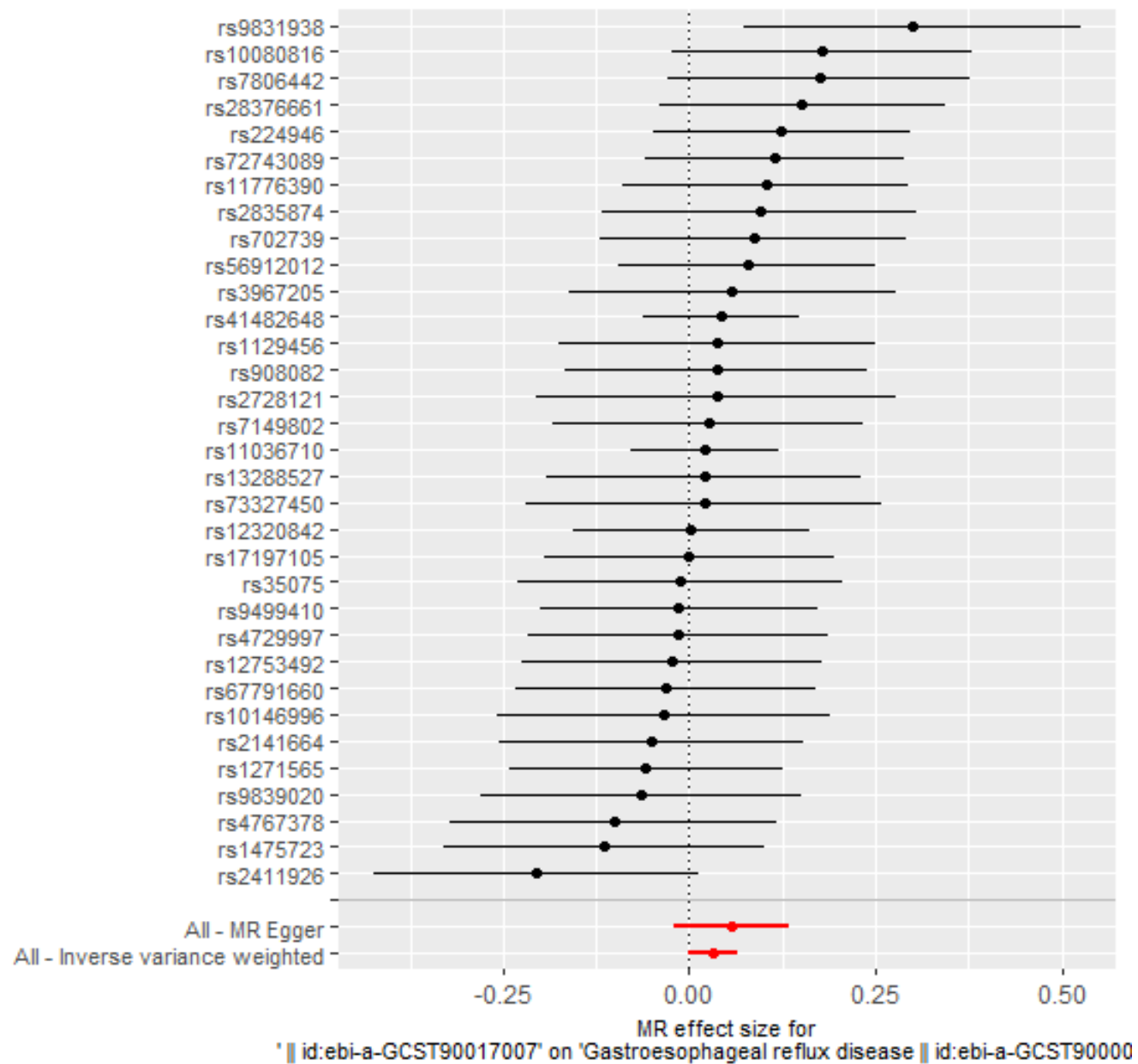
Figure 4 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Faecalibacterium id.2057) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





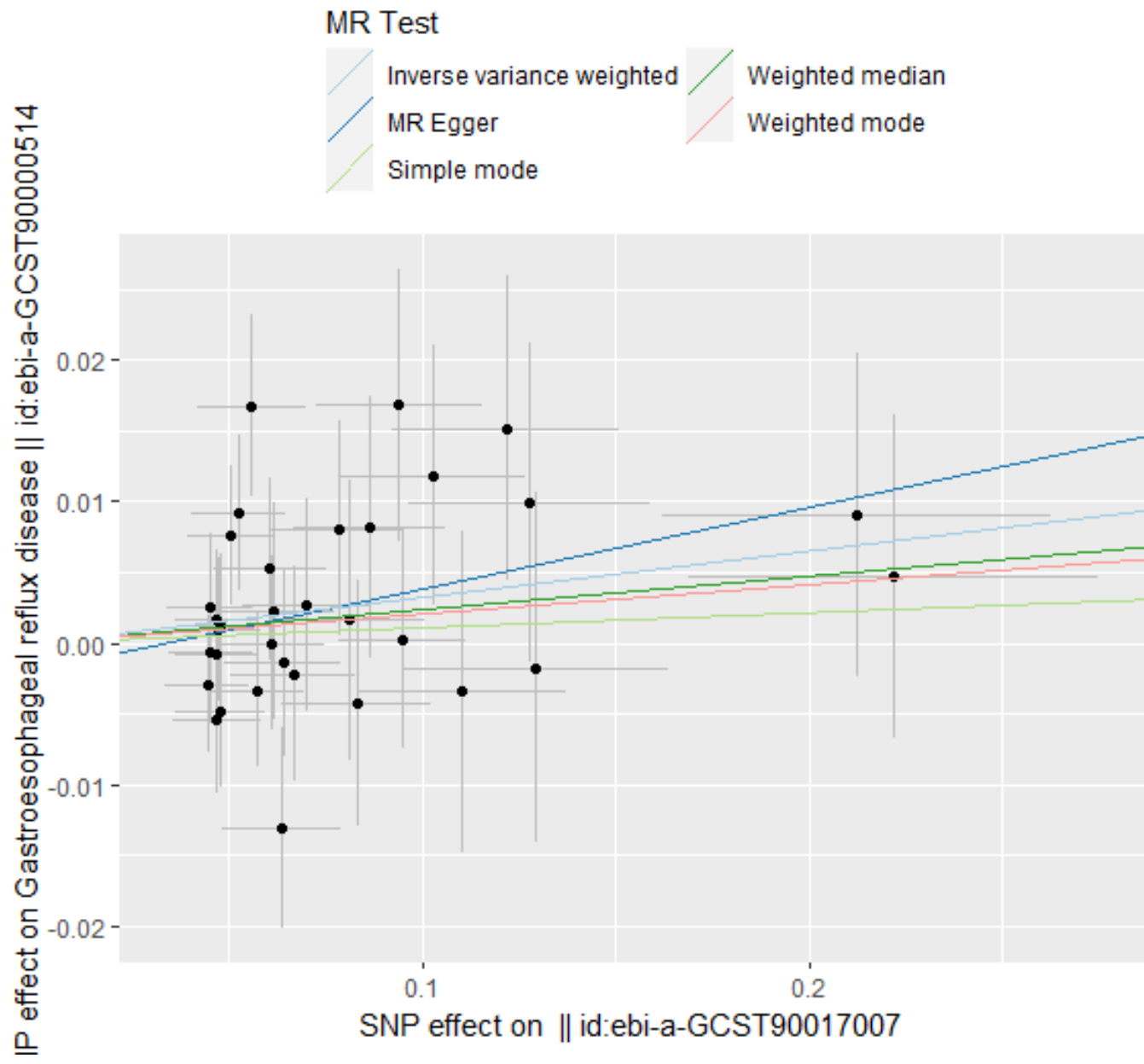
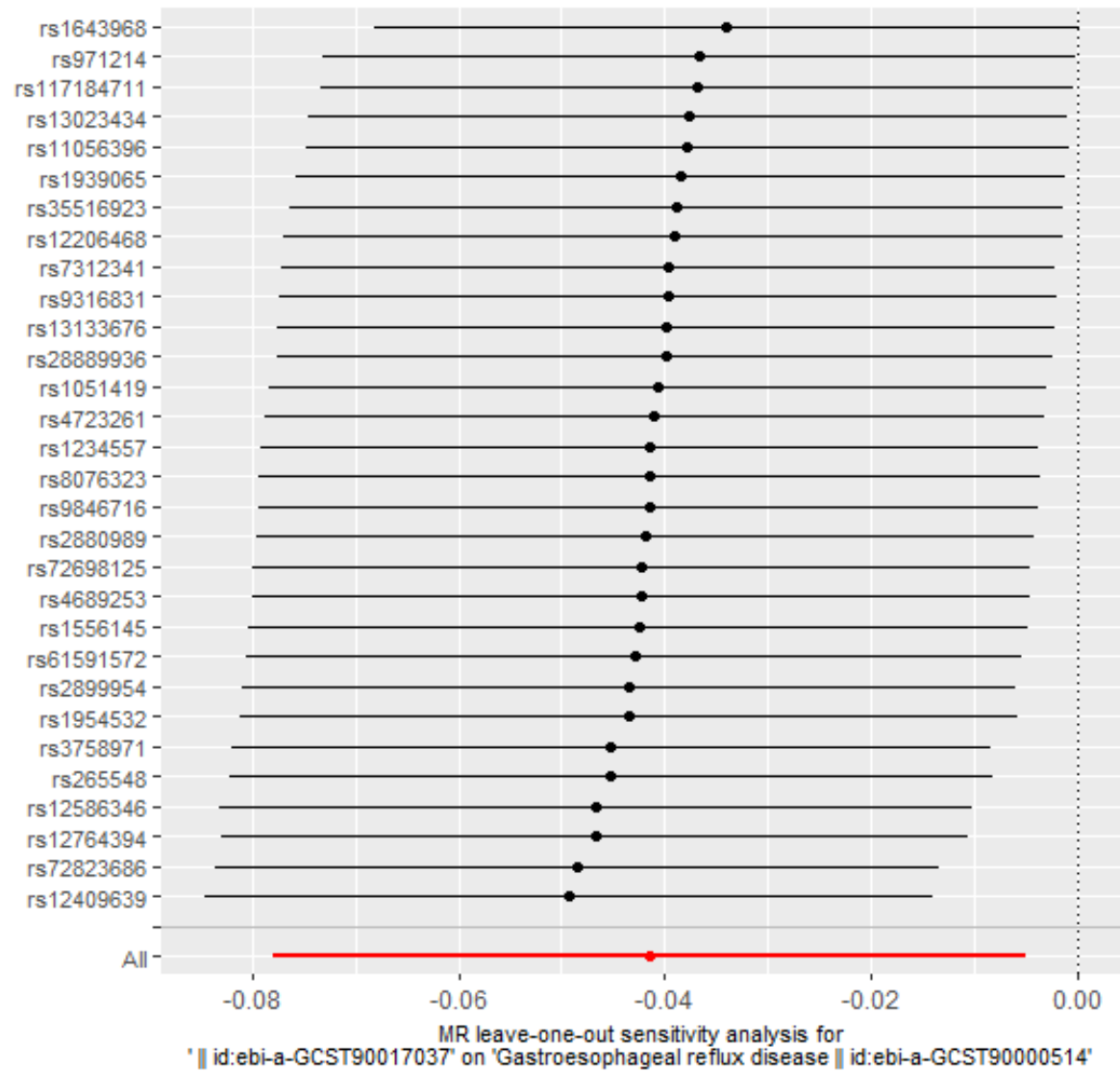
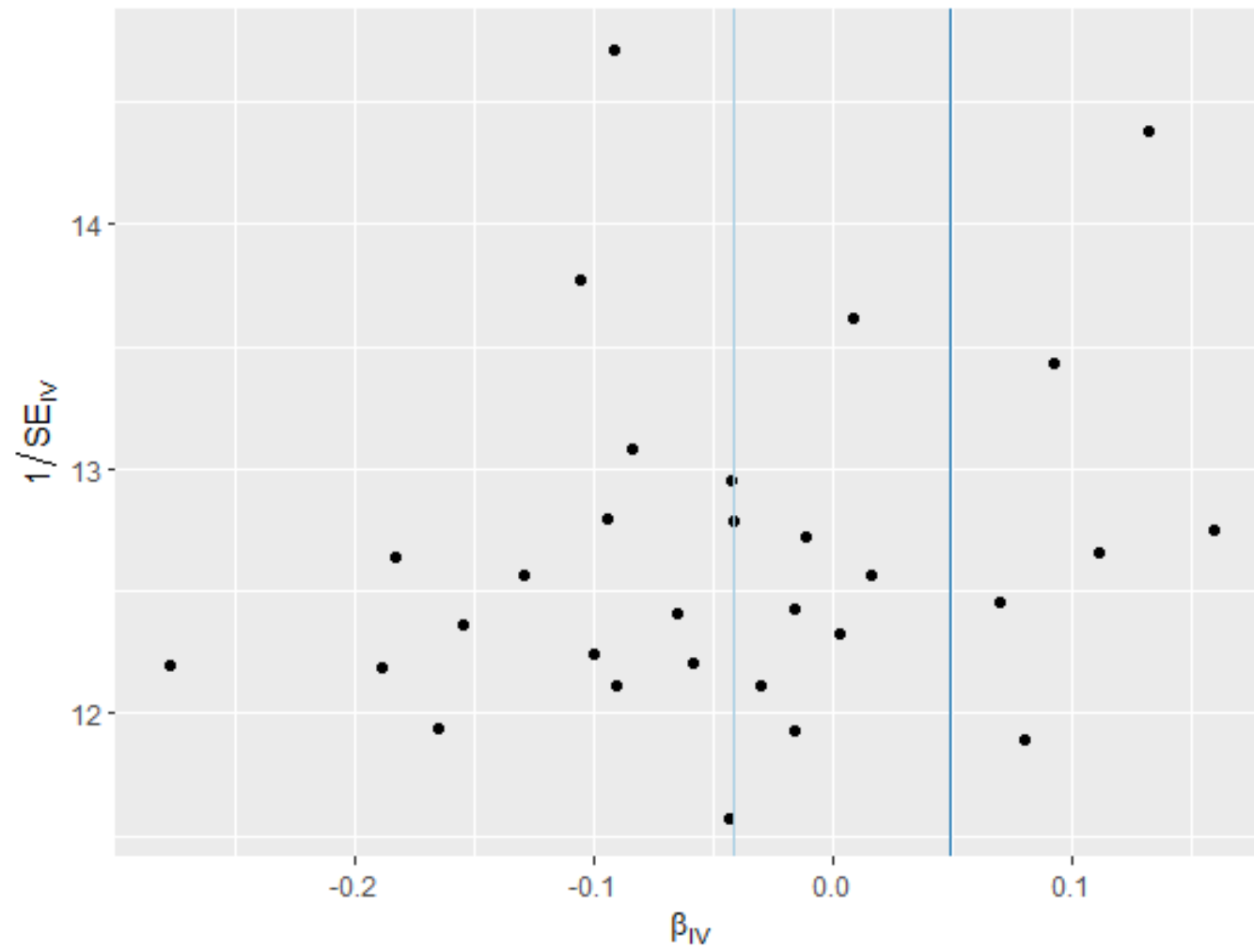


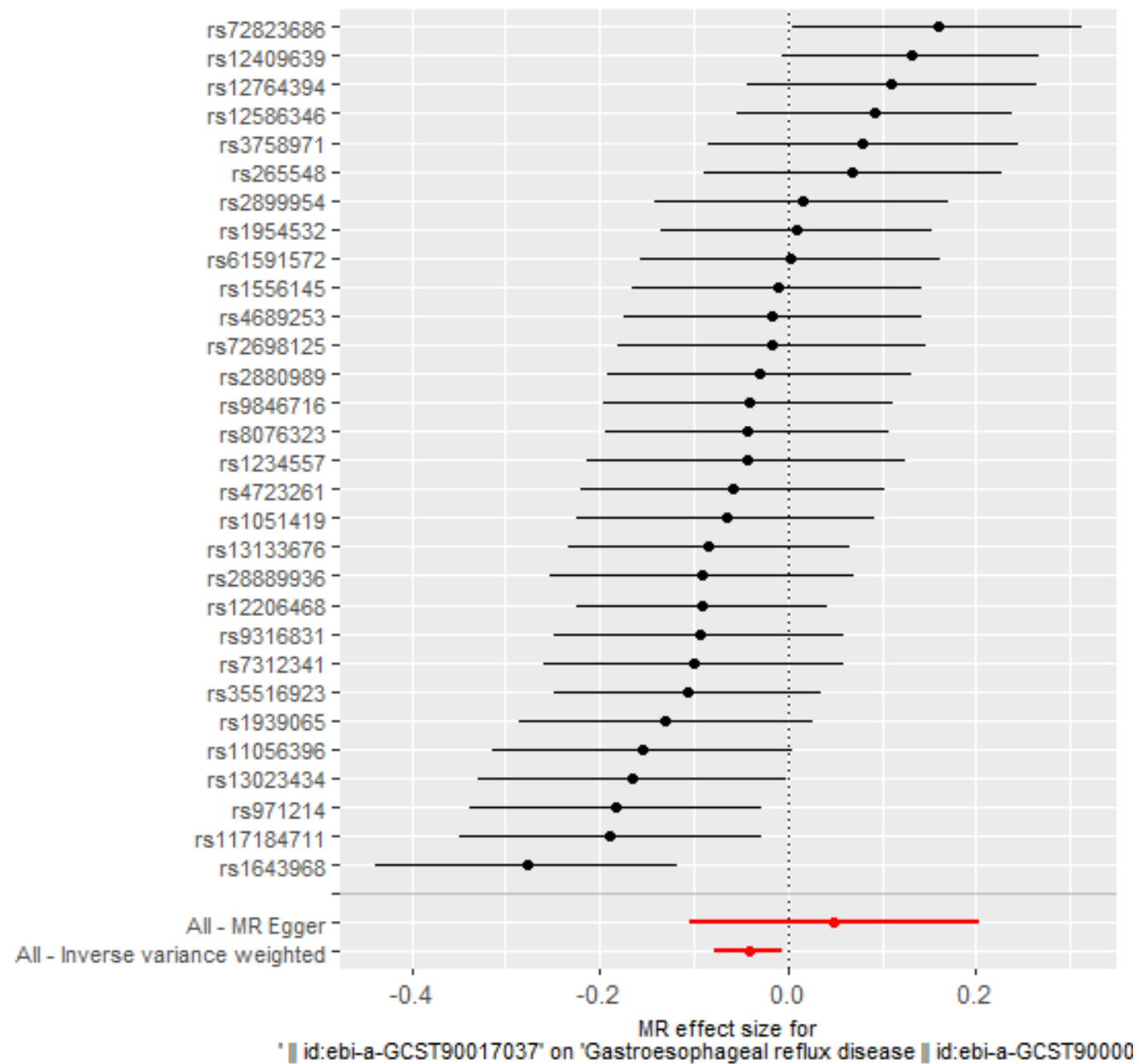
Figure 5 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Oscillospira* id.2064) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





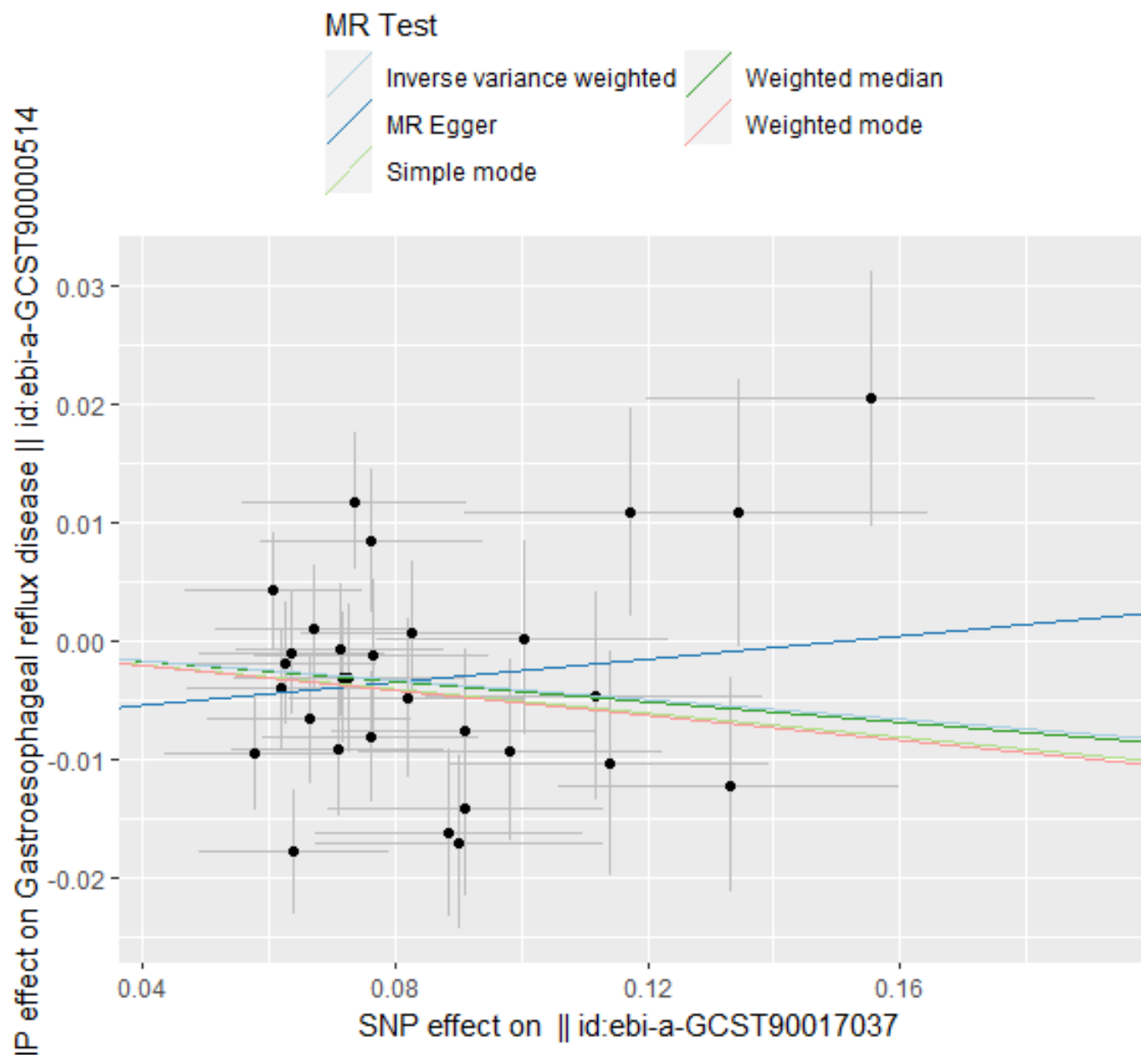
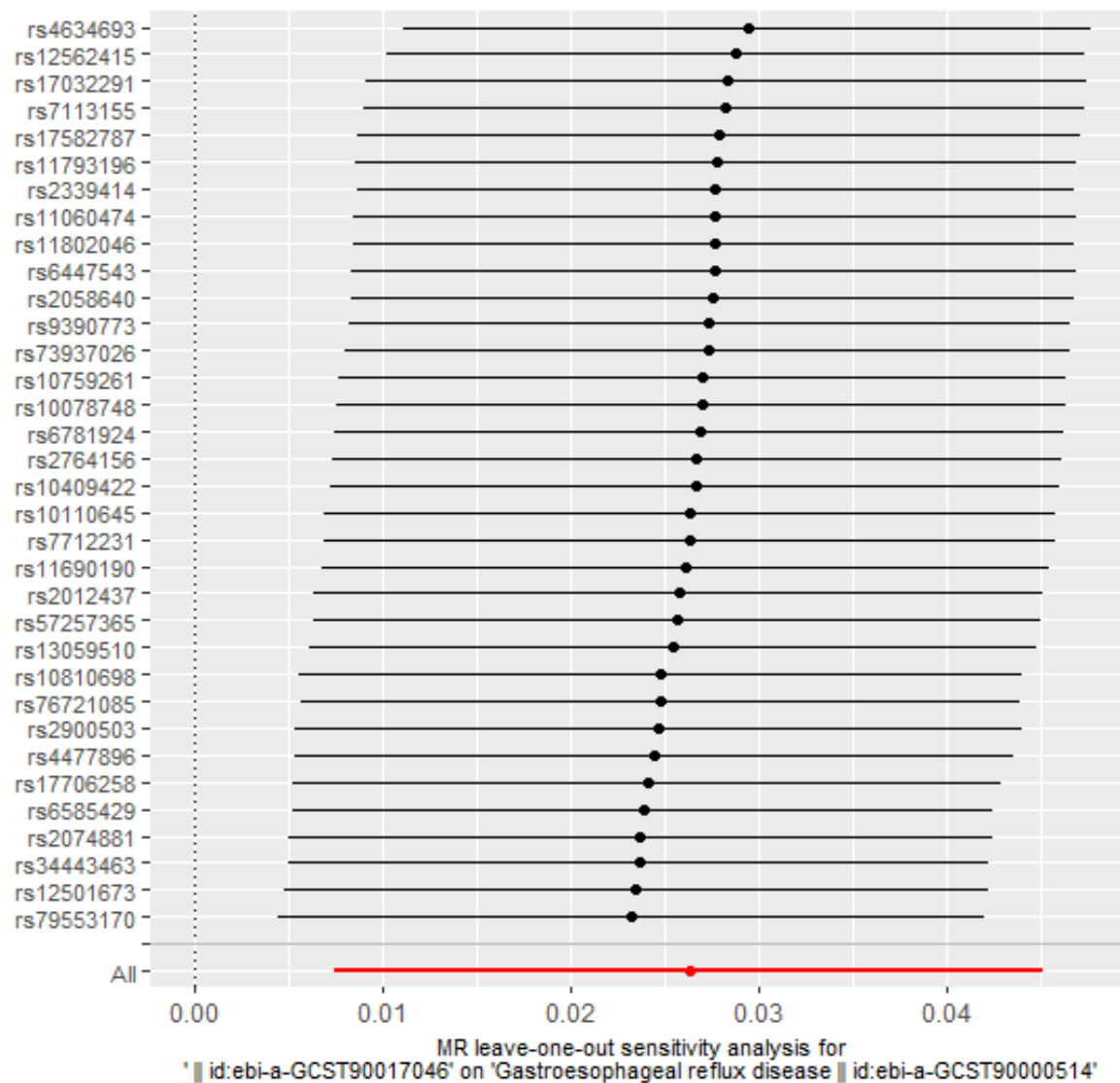
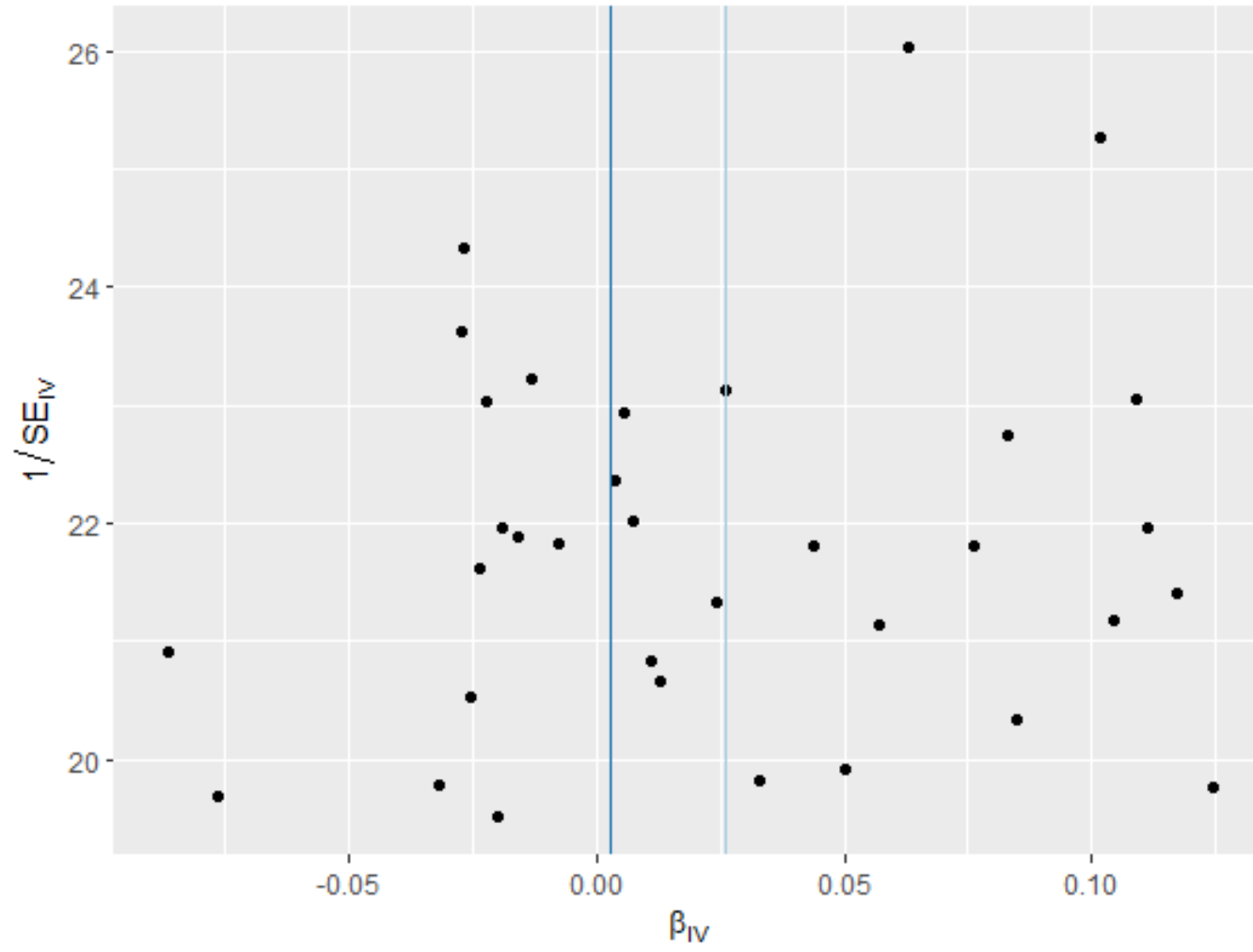


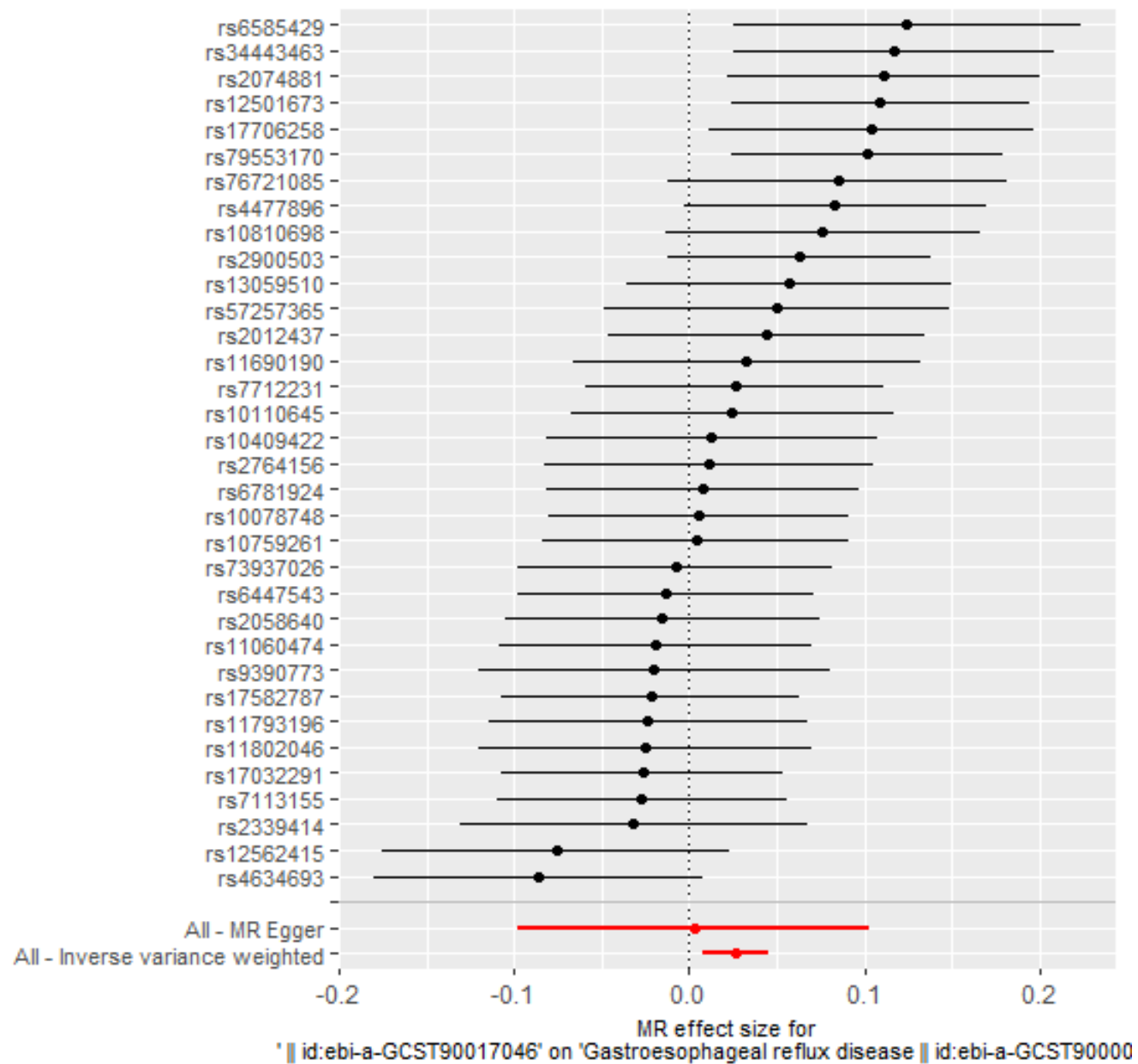
Figure 6 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





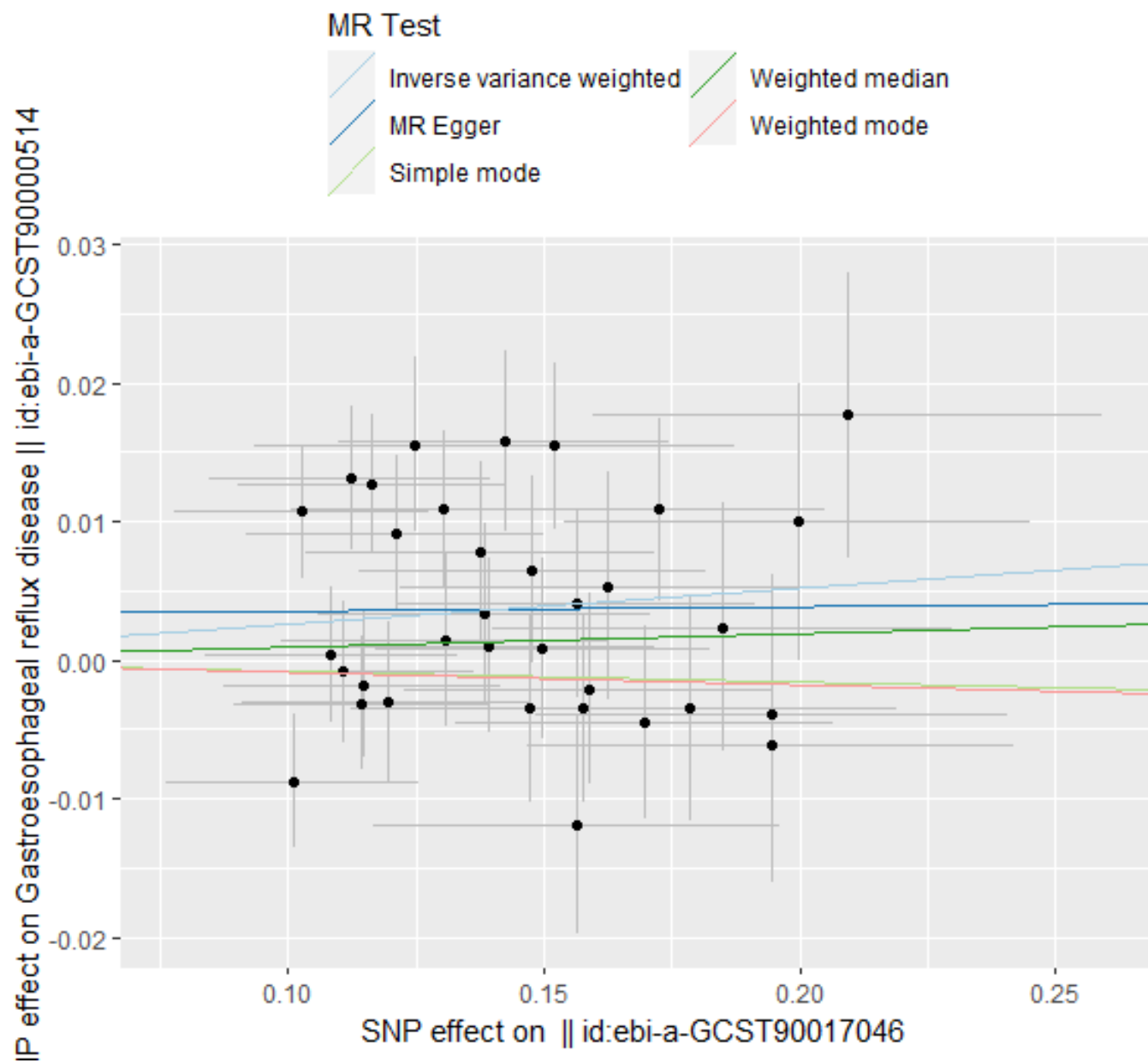
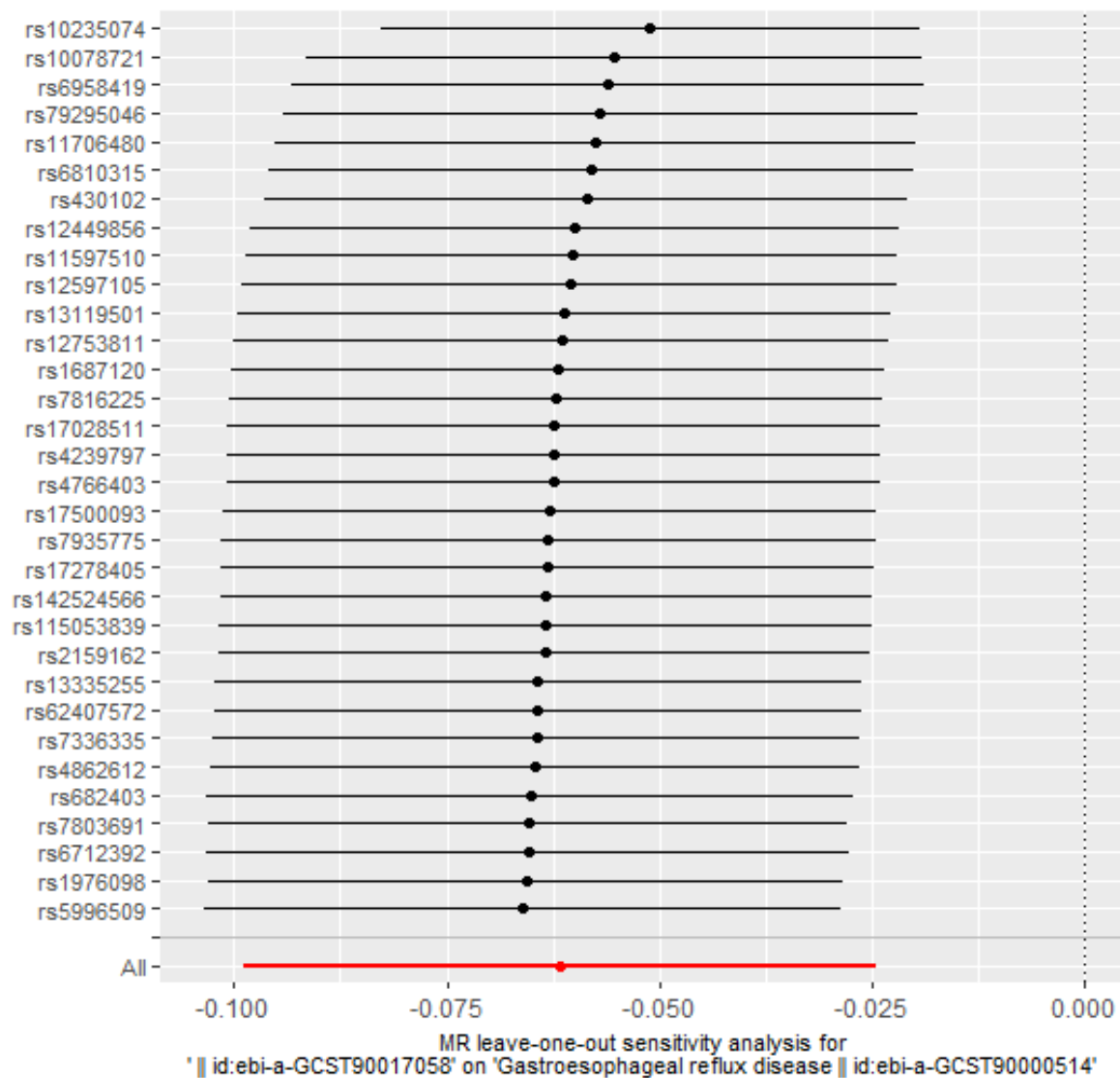
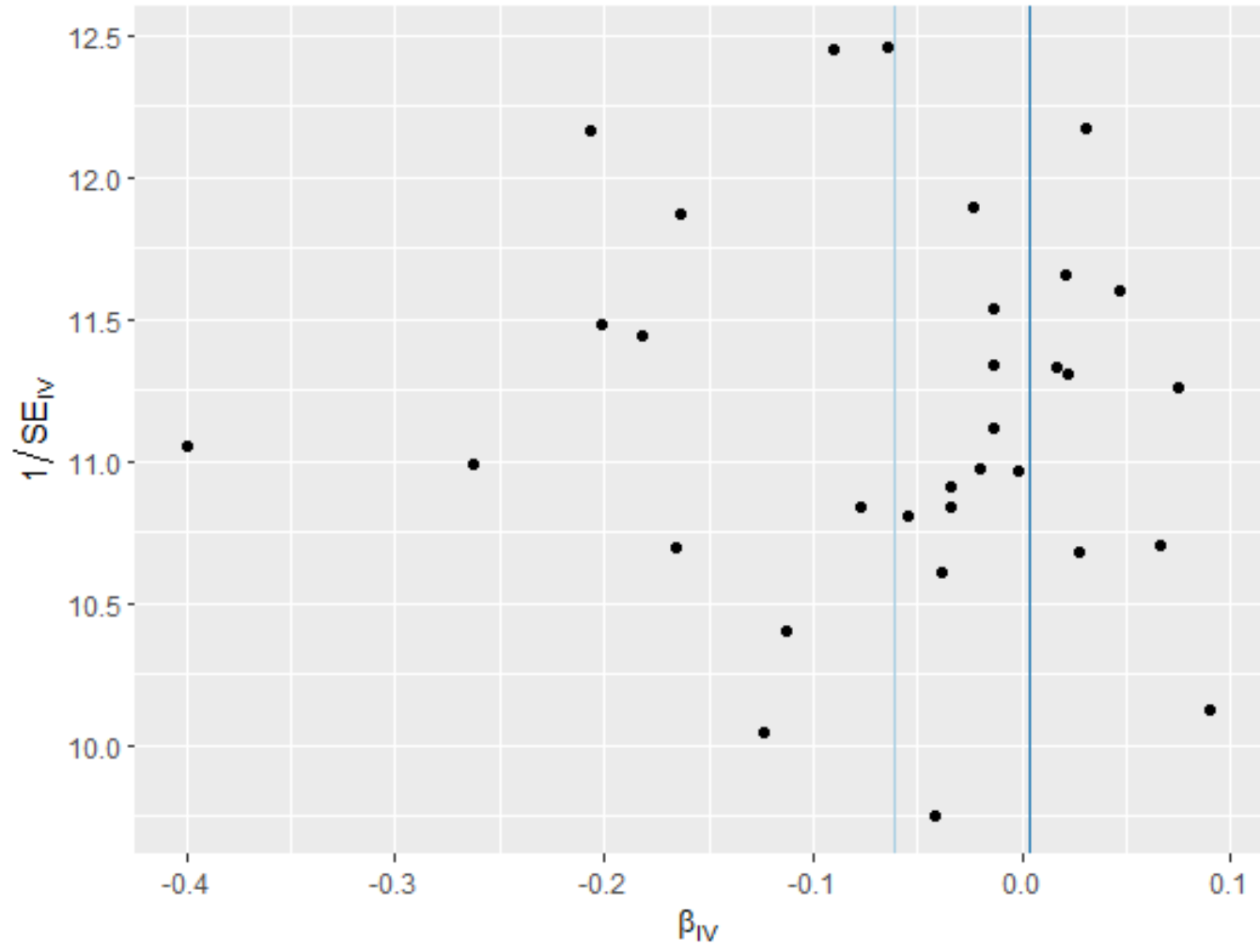


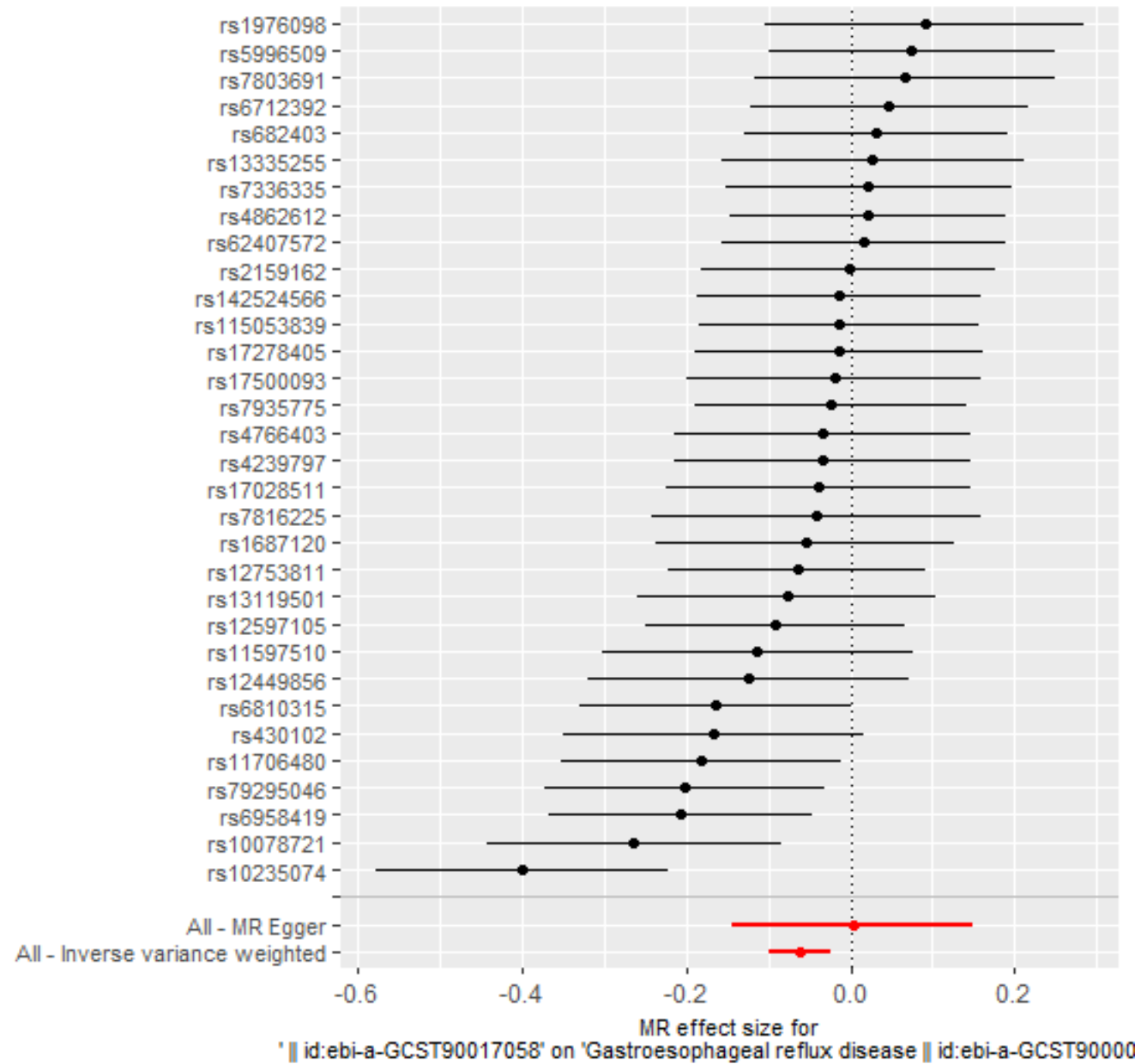
Figure 7 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





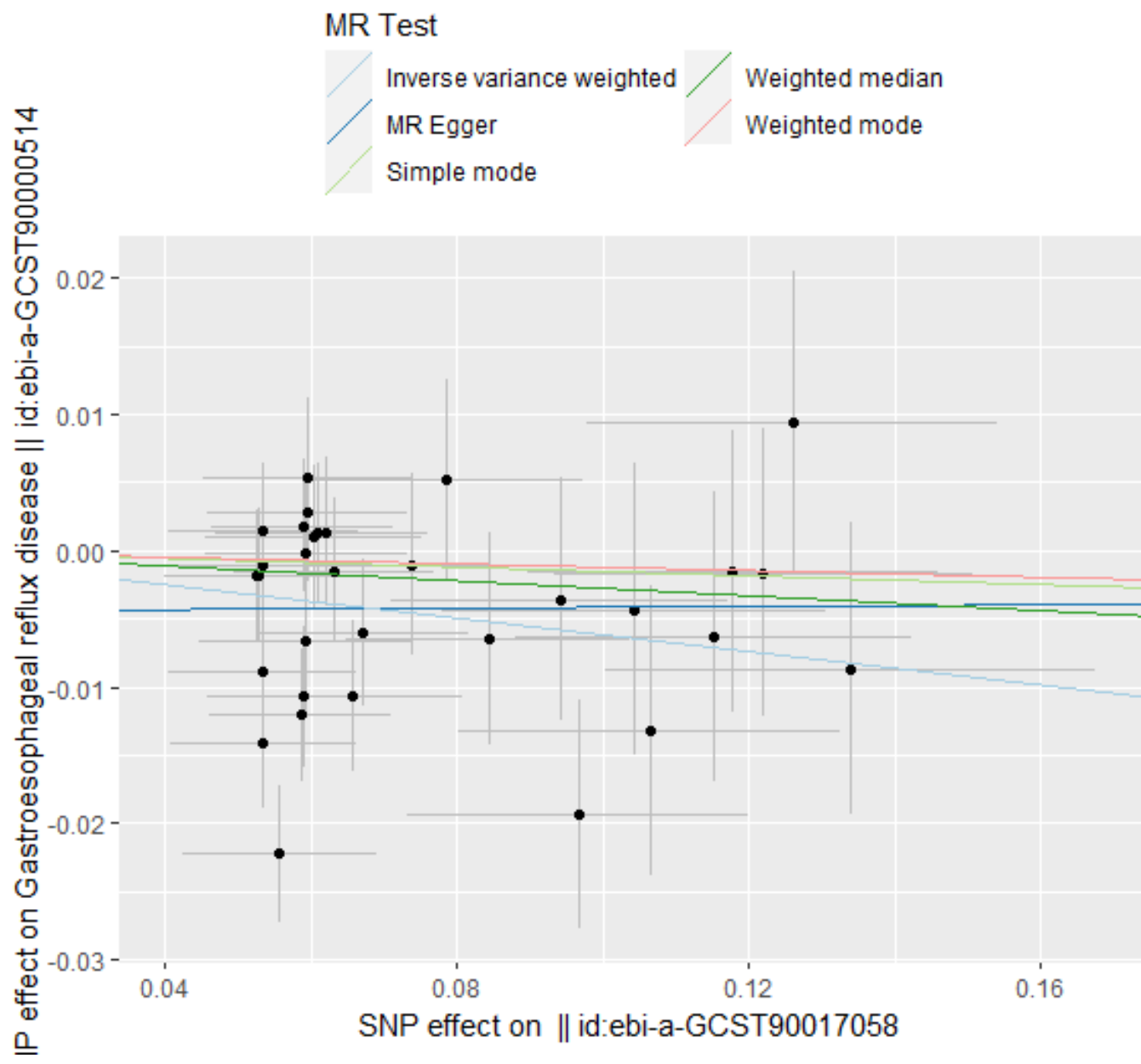
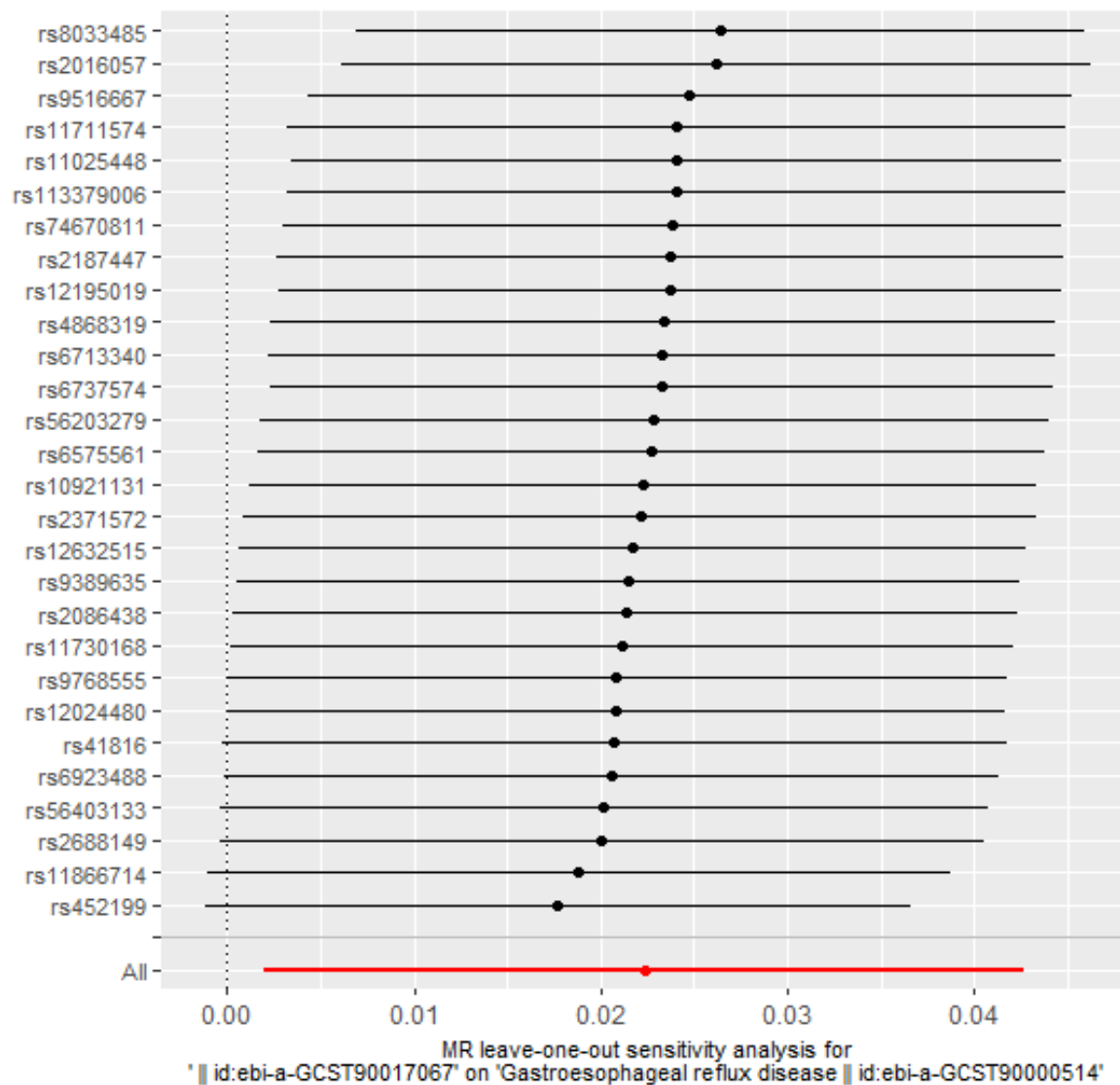
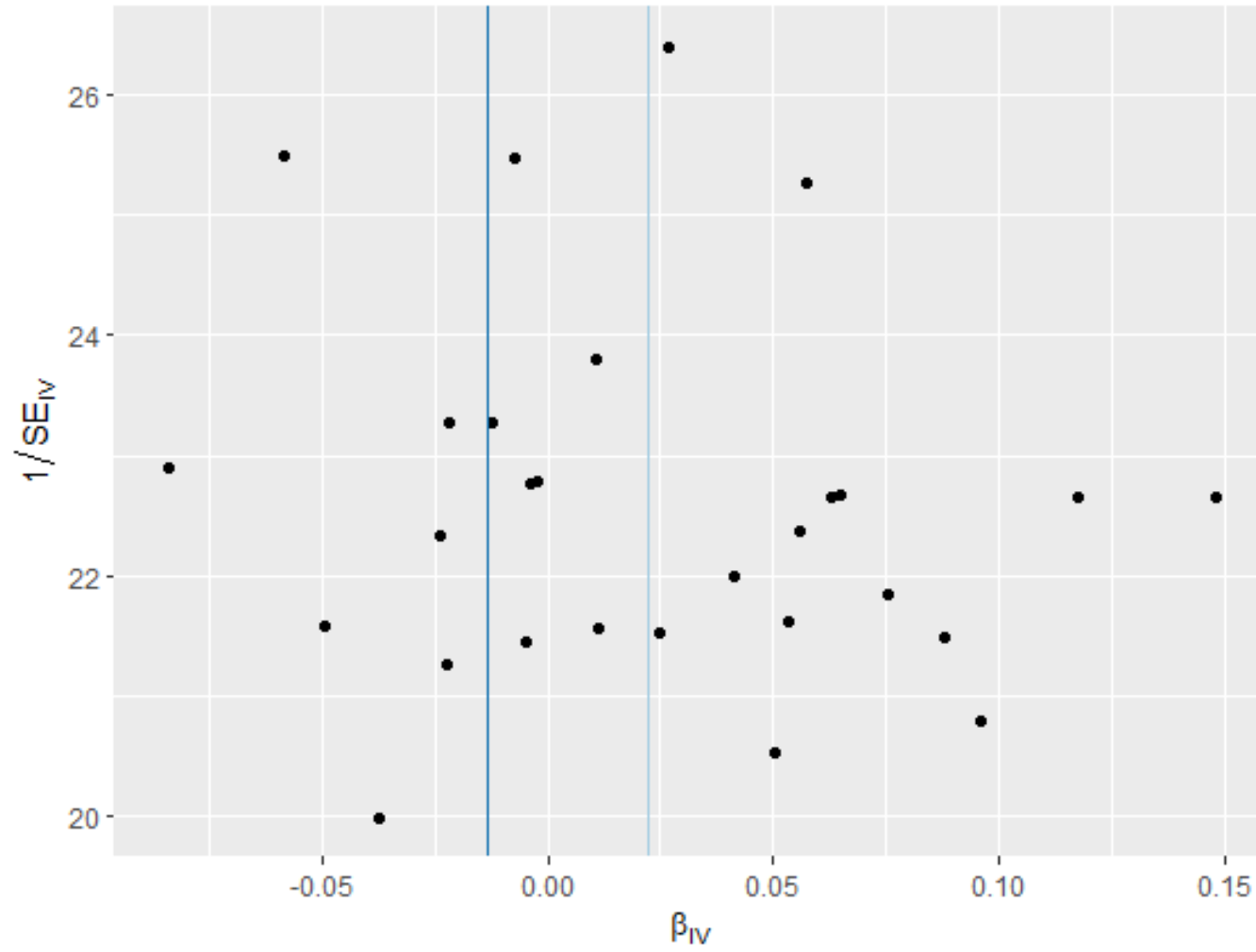


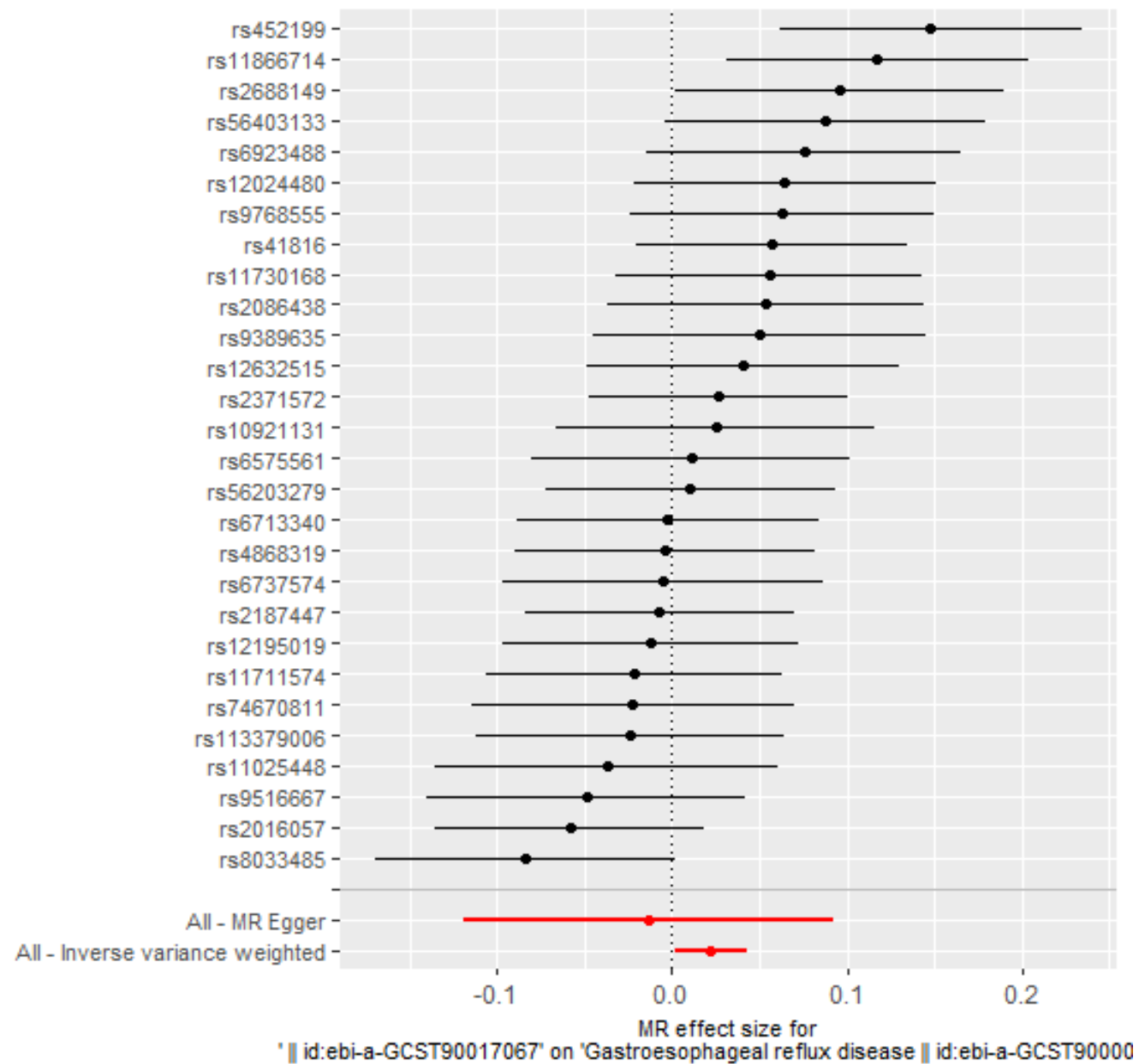
Figure 8 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Sellimonas* id.14369) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





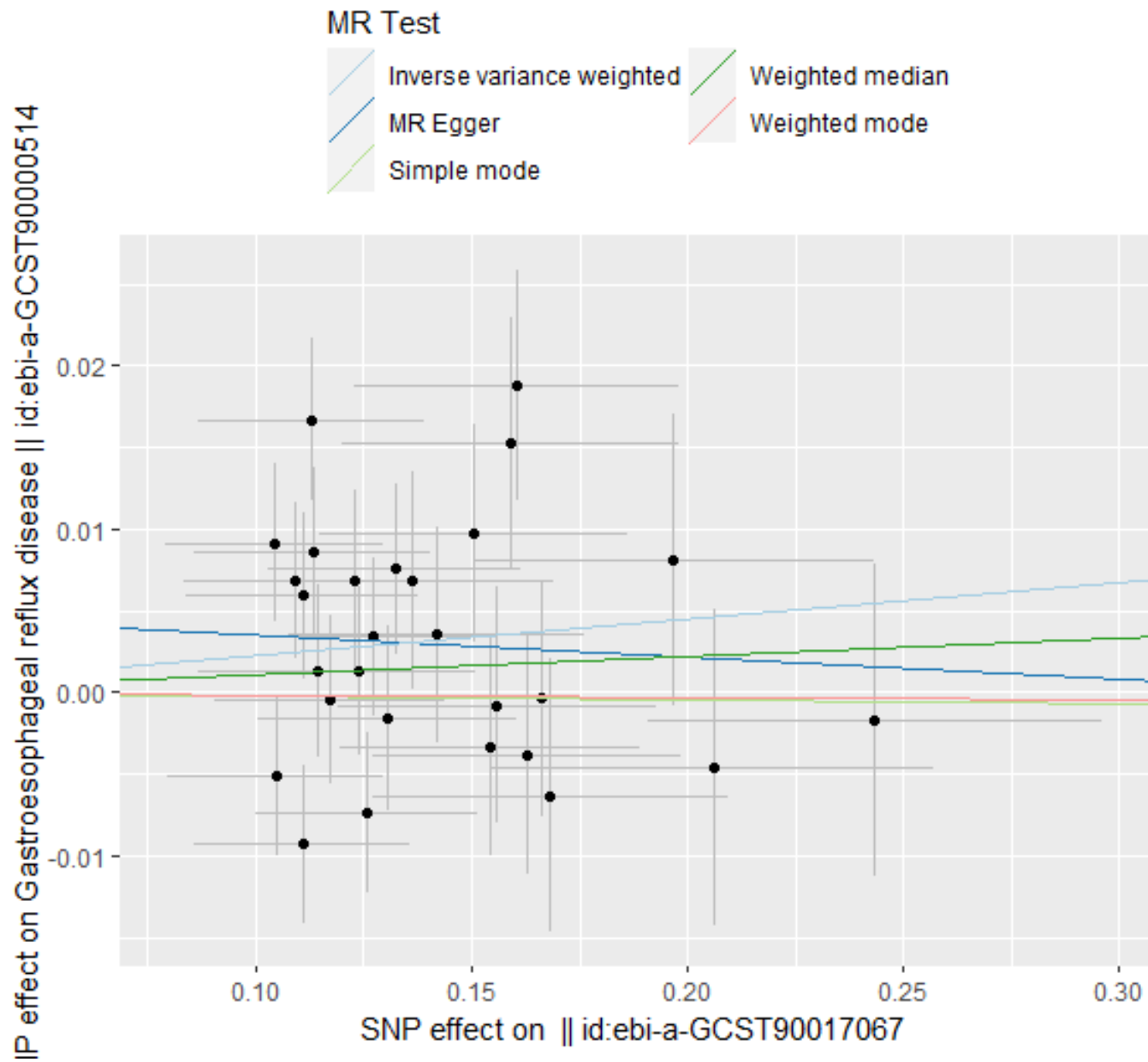
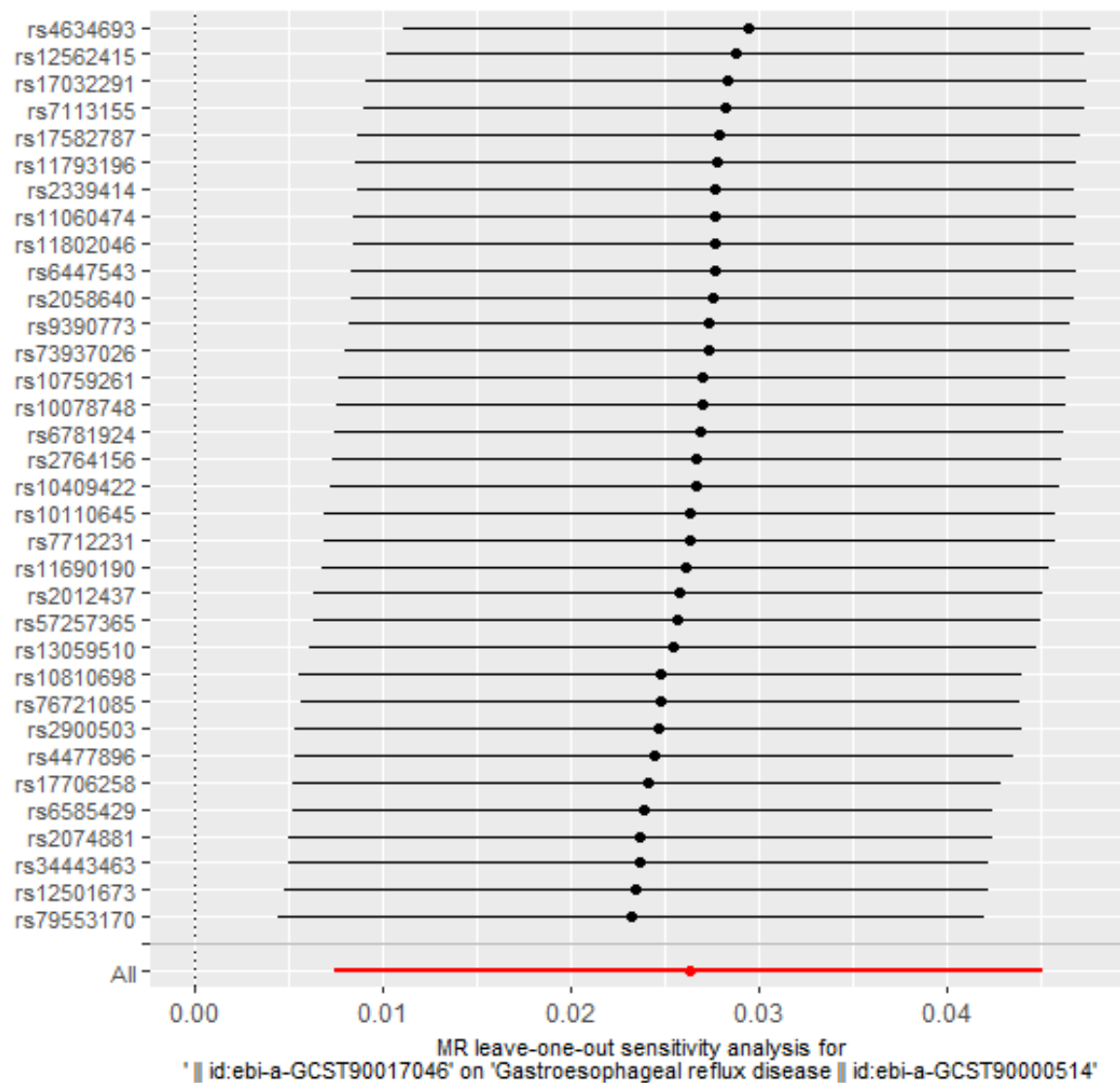
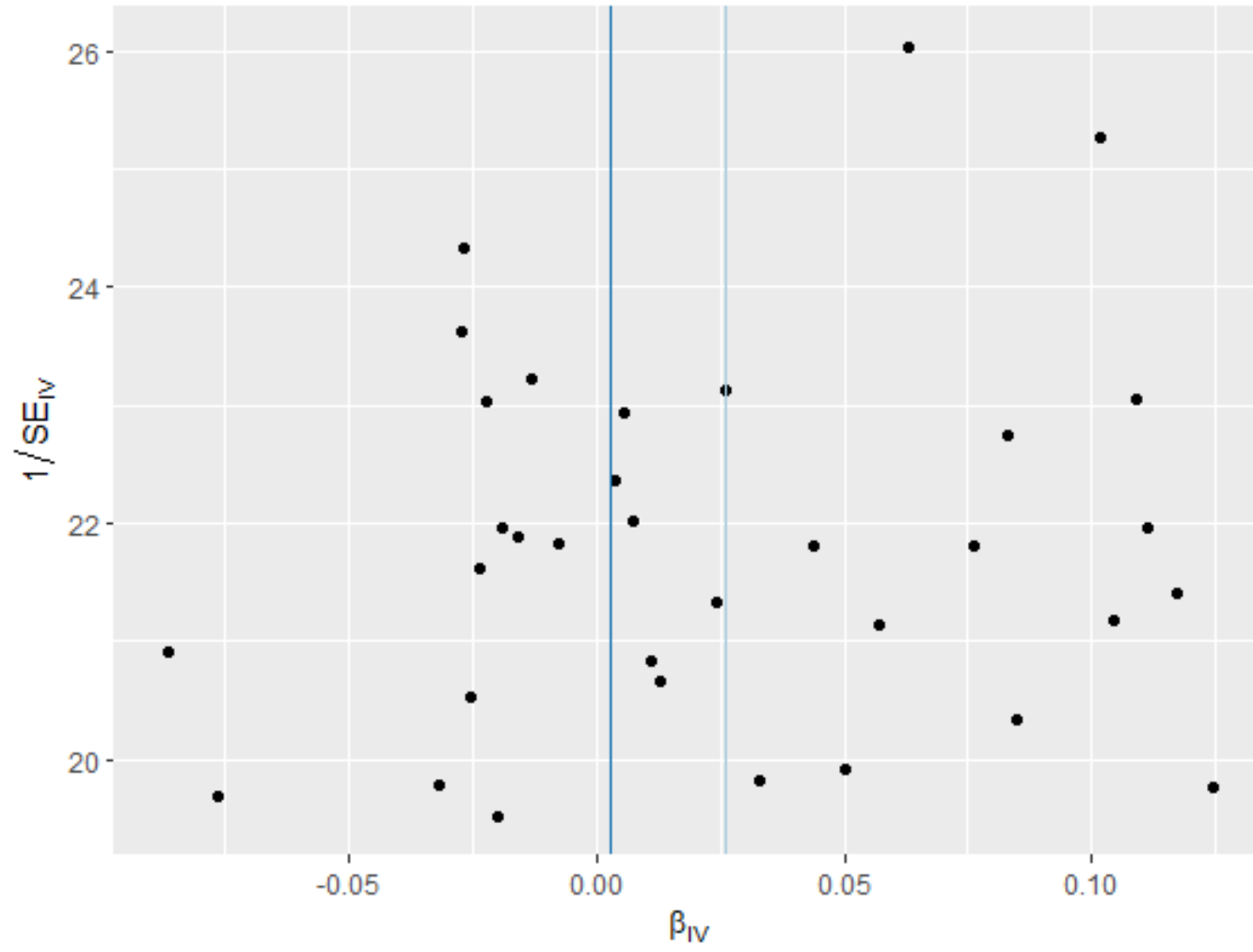


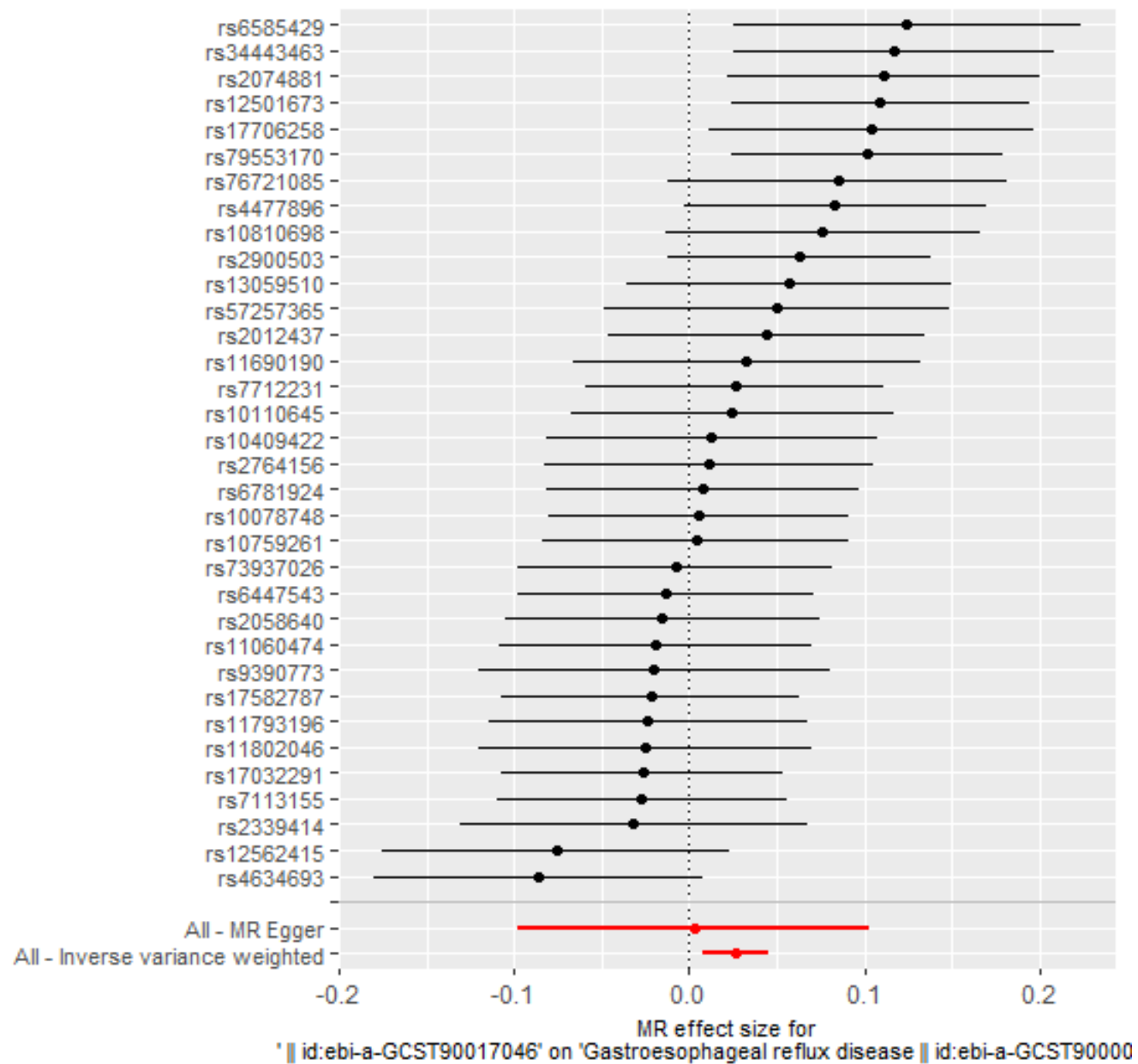
Figure 9 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Slackia id.825) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





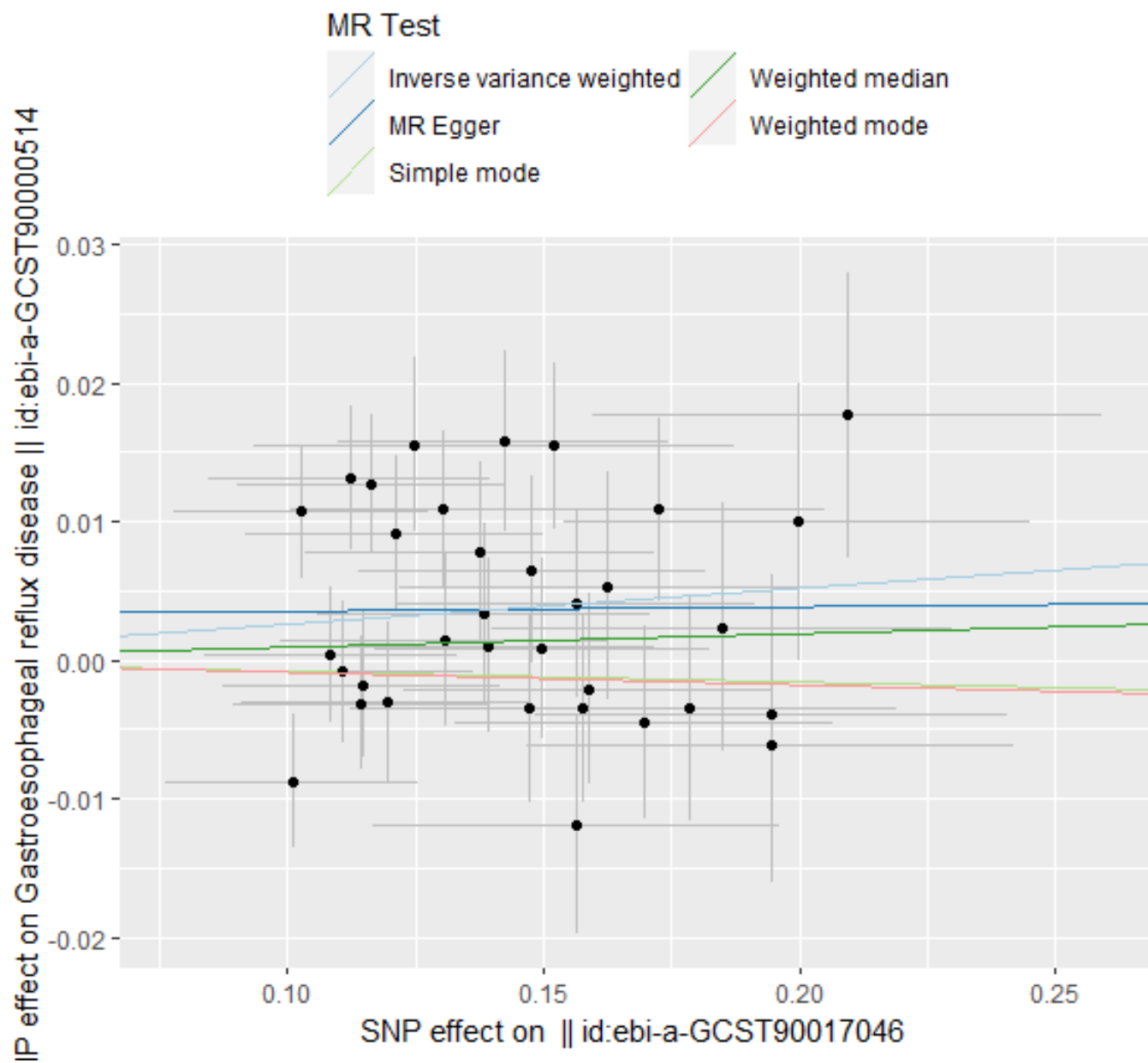
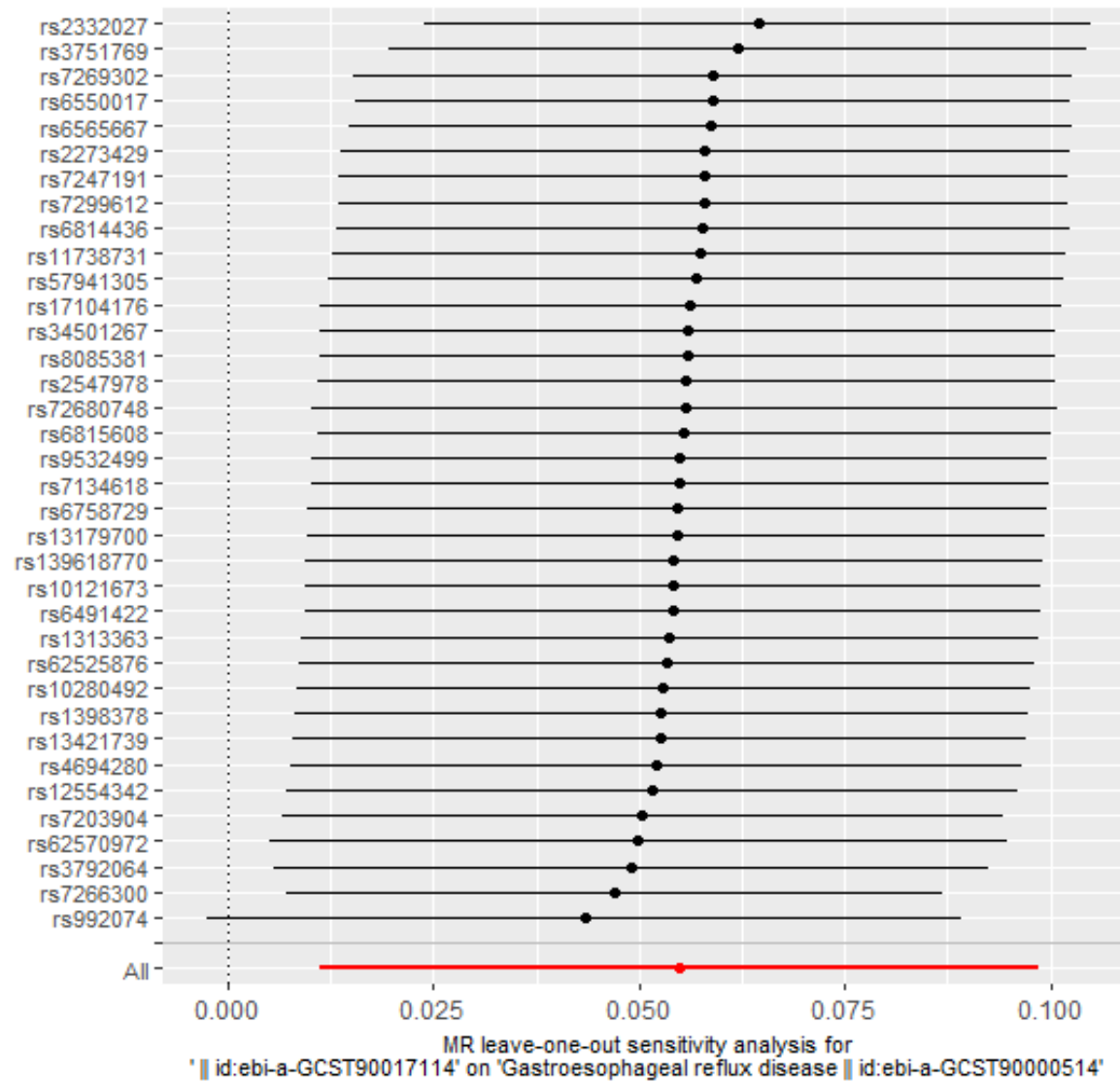
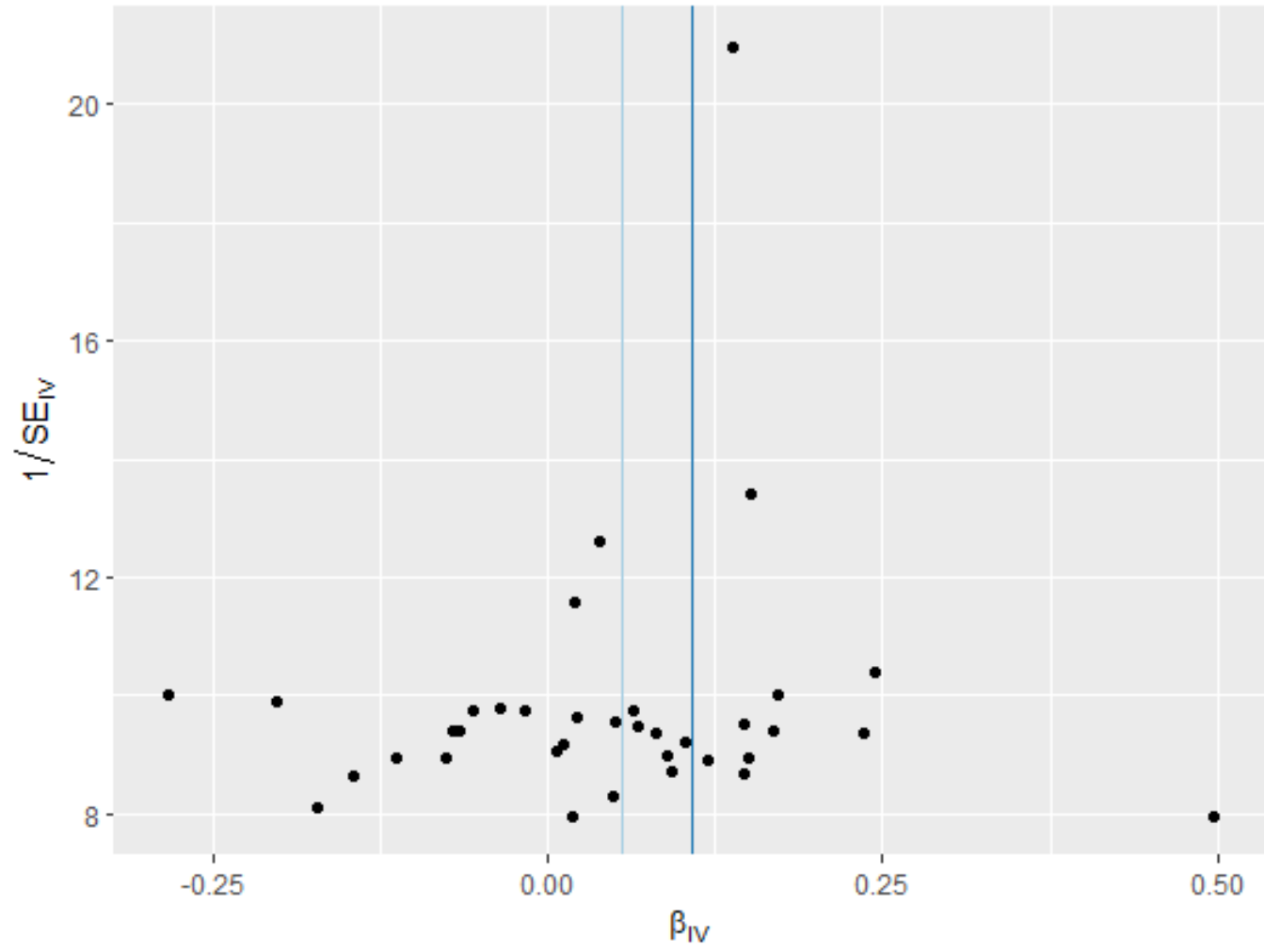


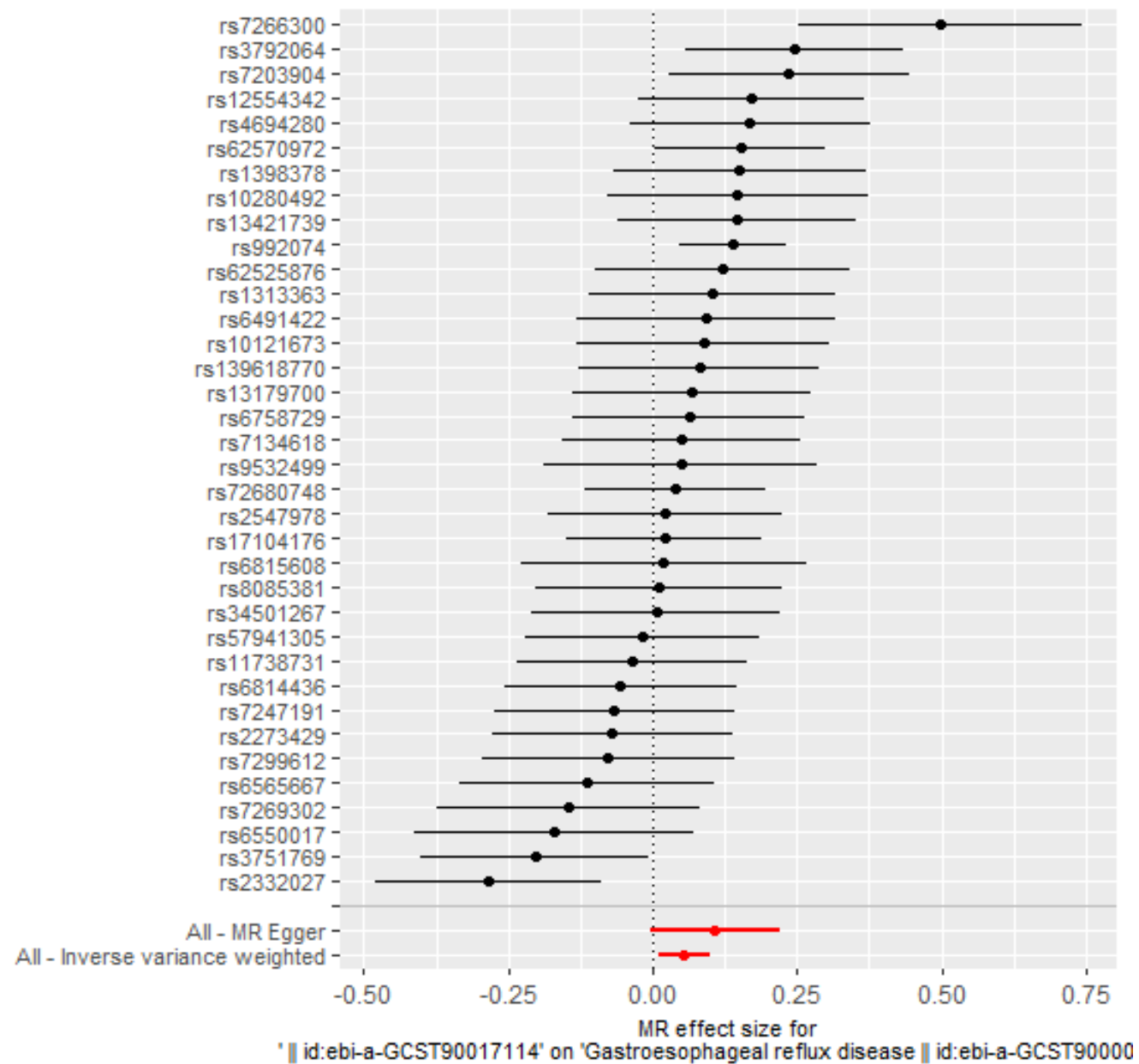
Figure 10 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Firmicutes id.1672) on gastroesophageal reflux disease



MR Method

- Inverse variance weighted
- MR Egger





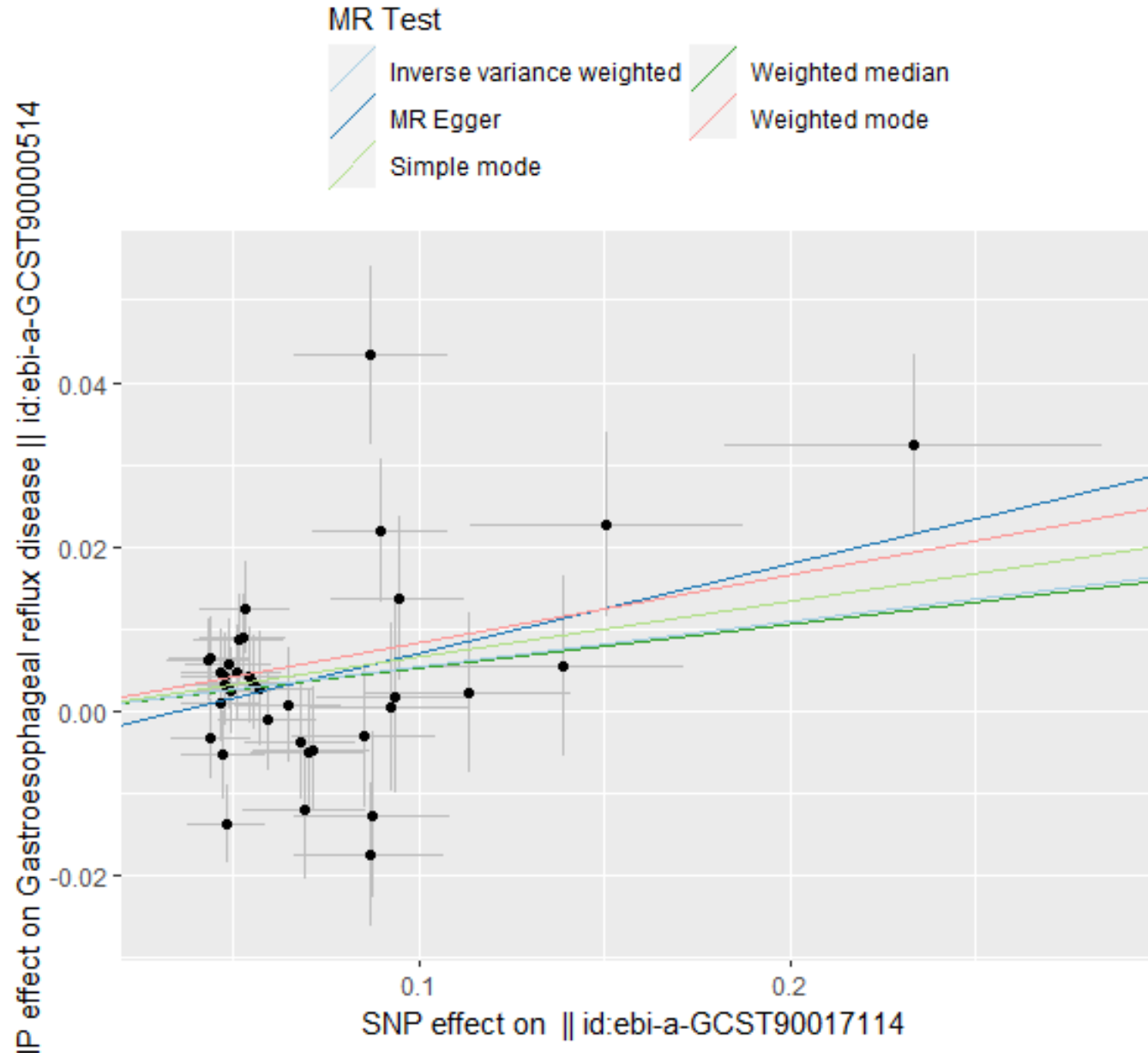
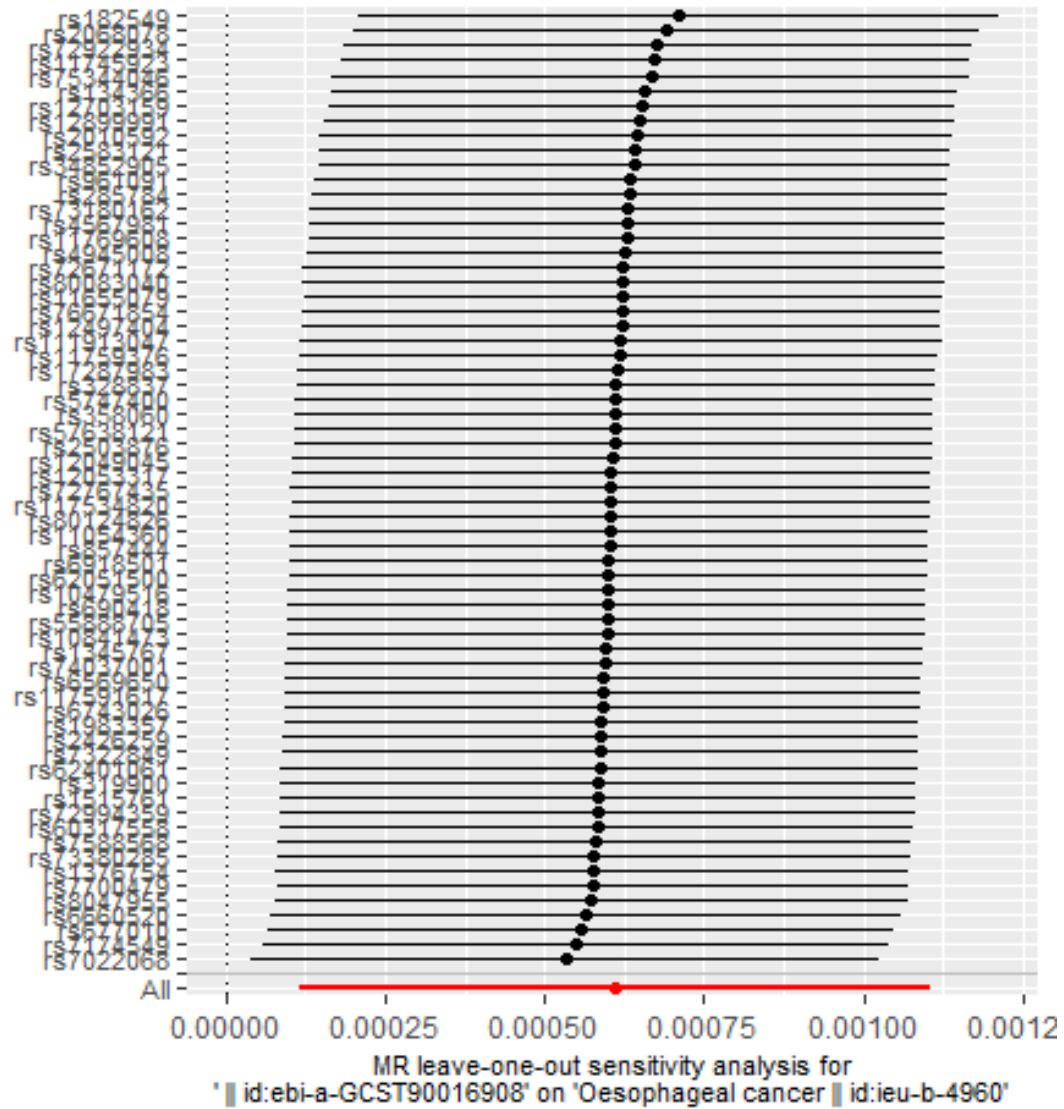
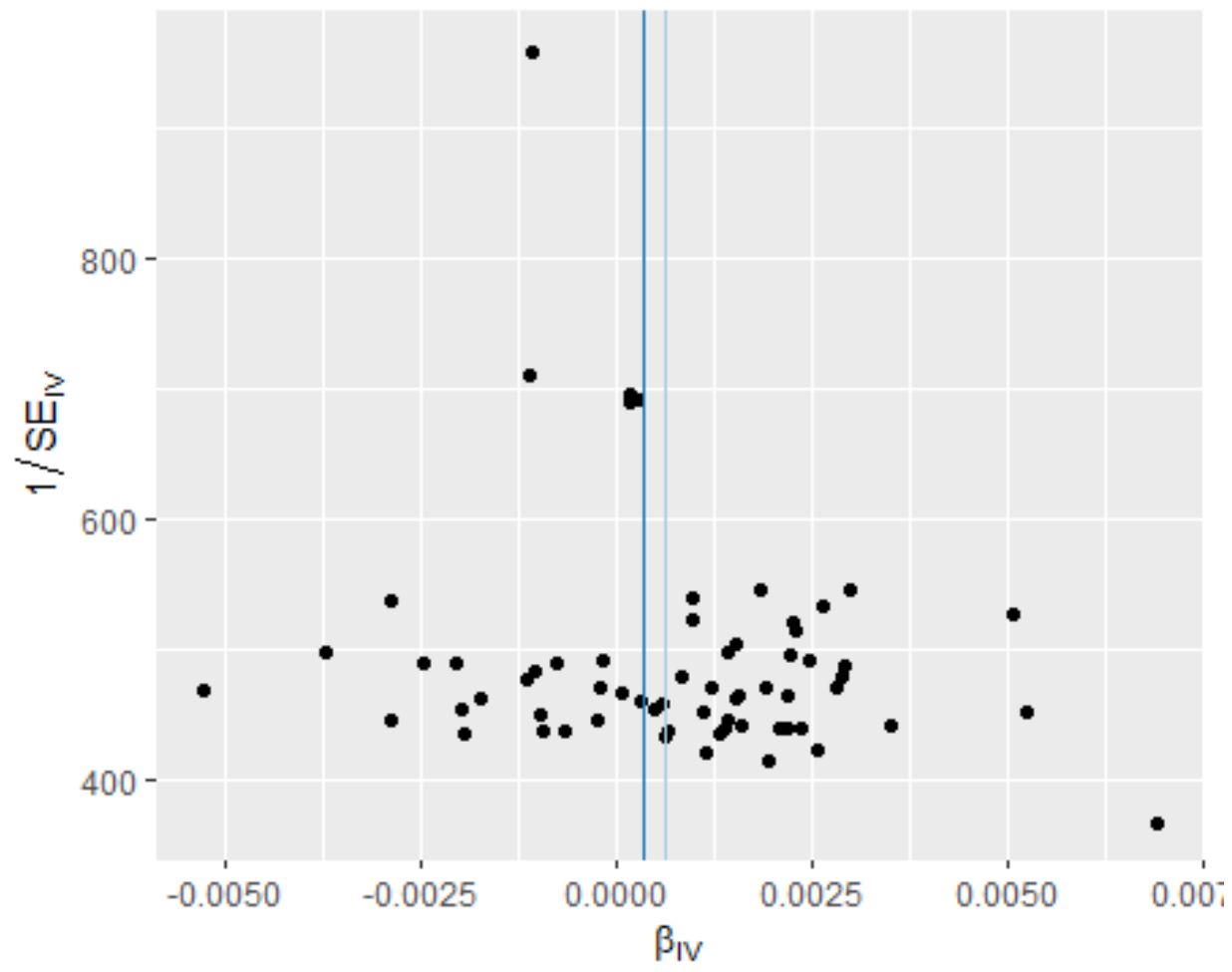


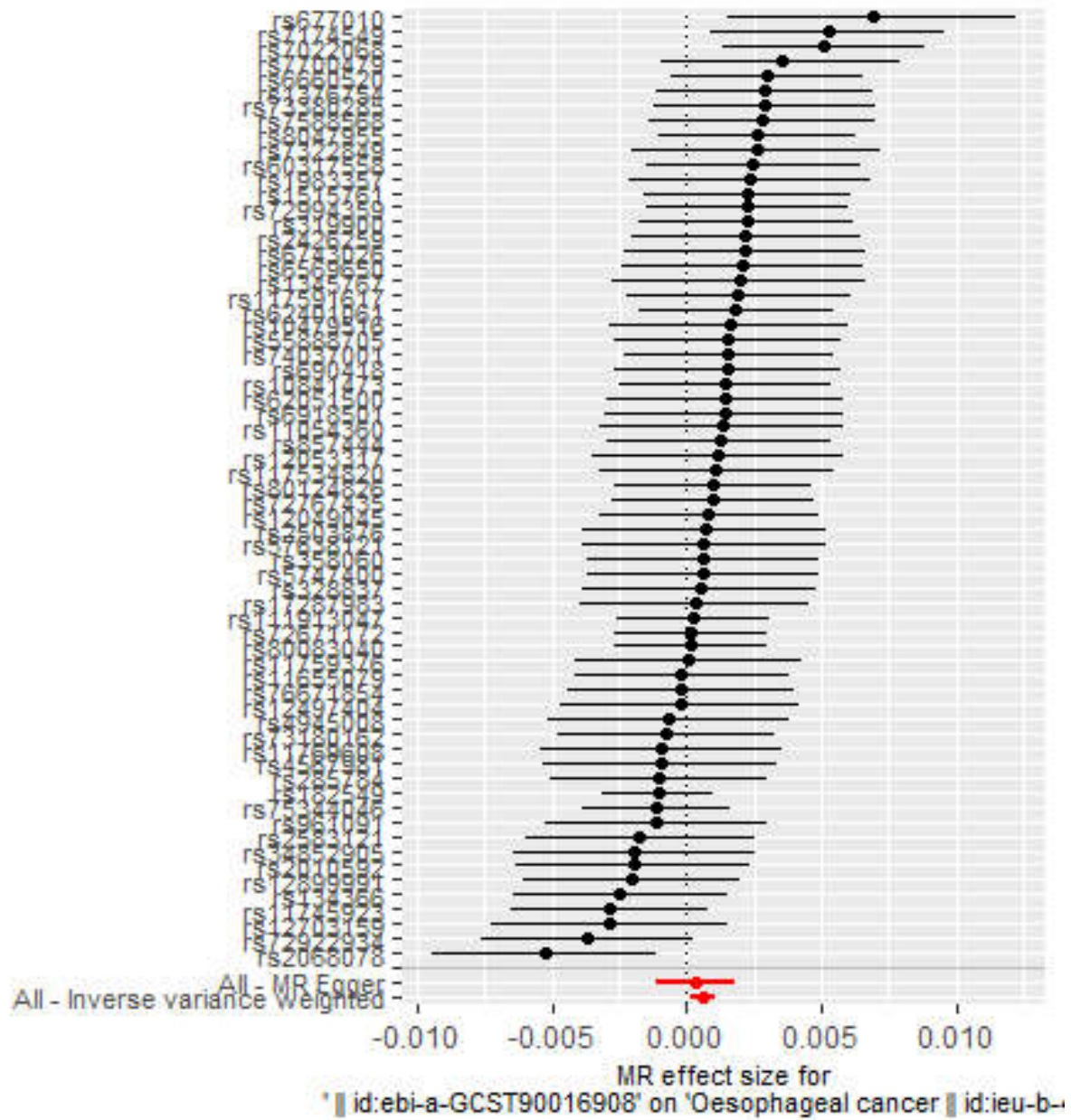
Figure 11 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Actinobacteria id.419) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

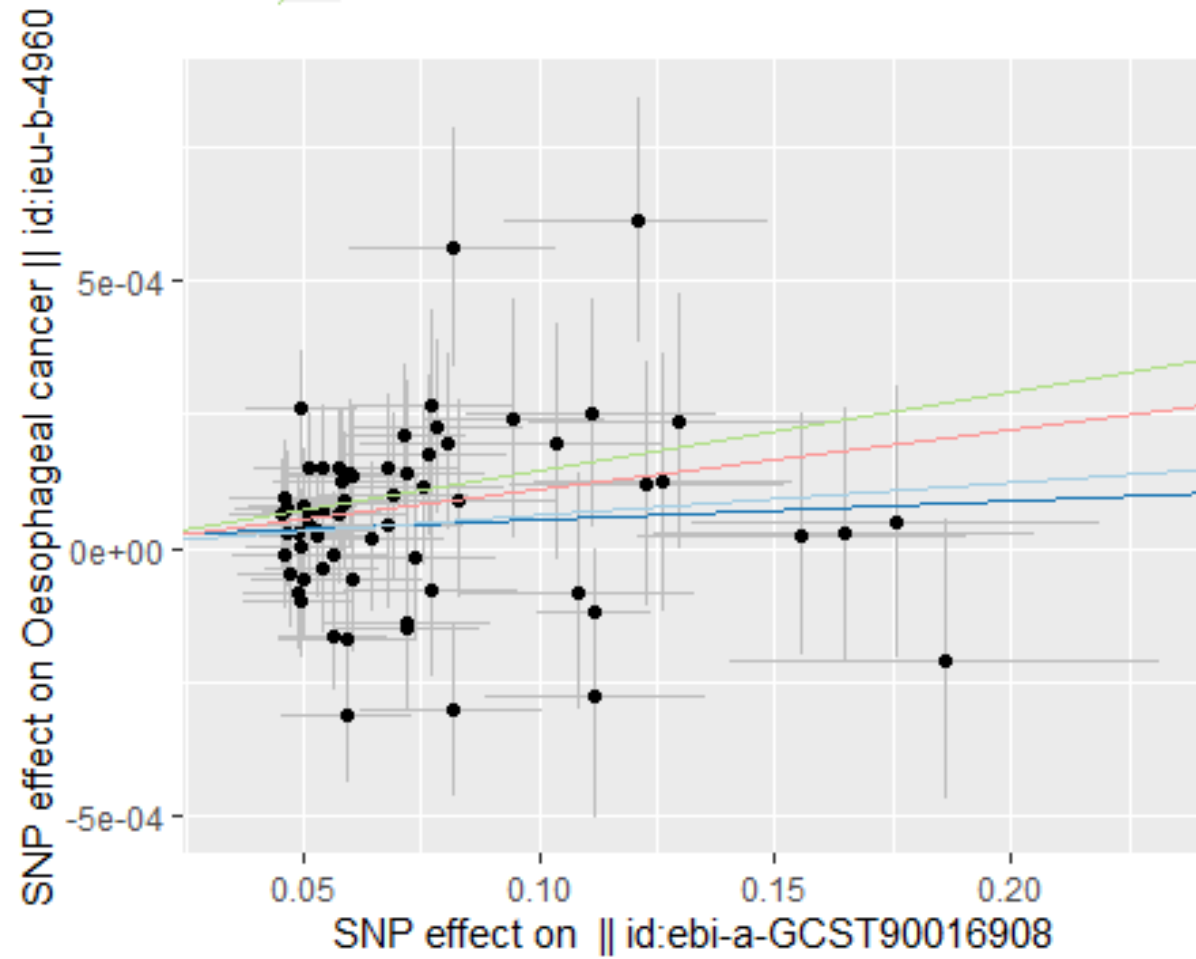
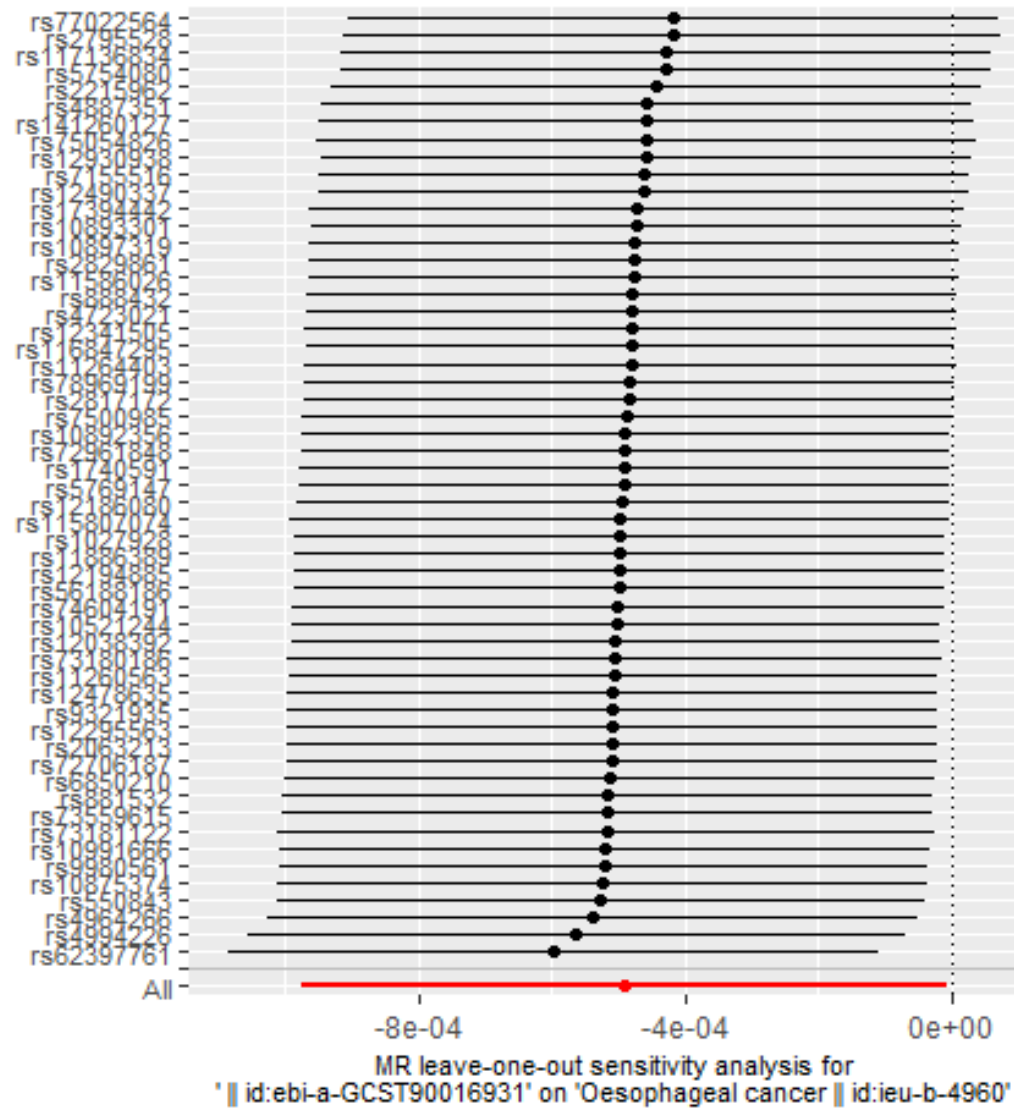
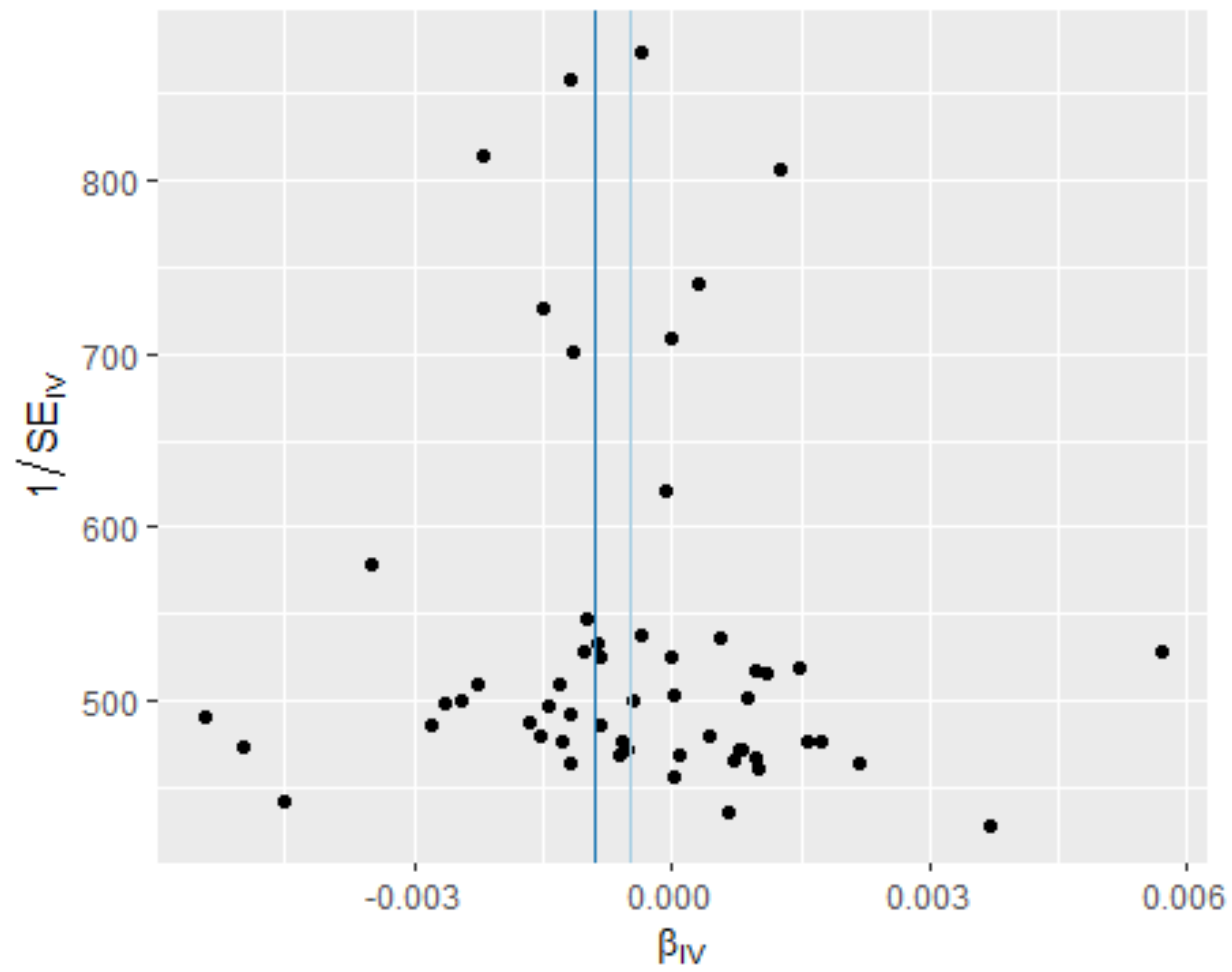


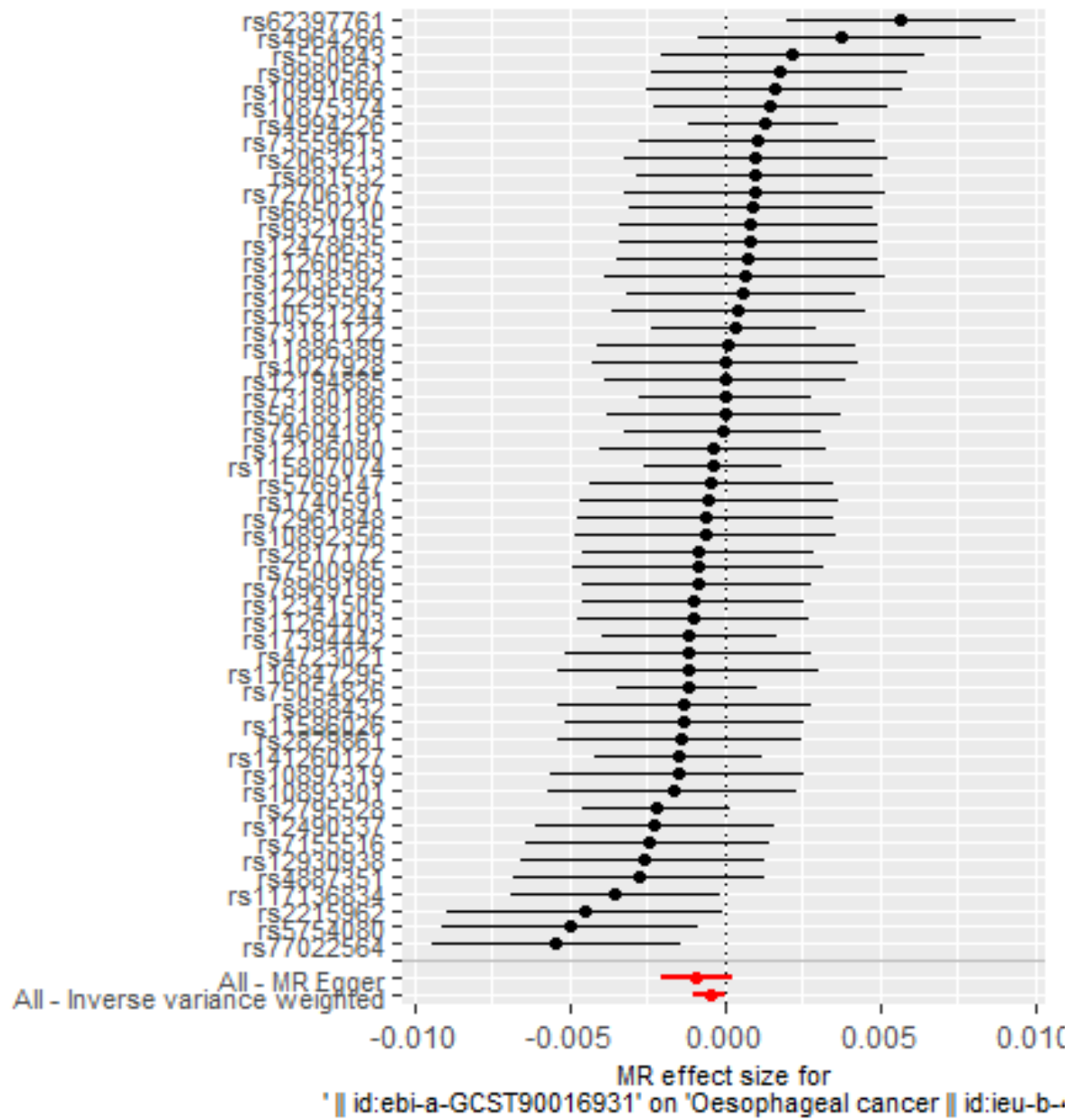
Figure 12 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Clostridiaceae1 id.1869) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

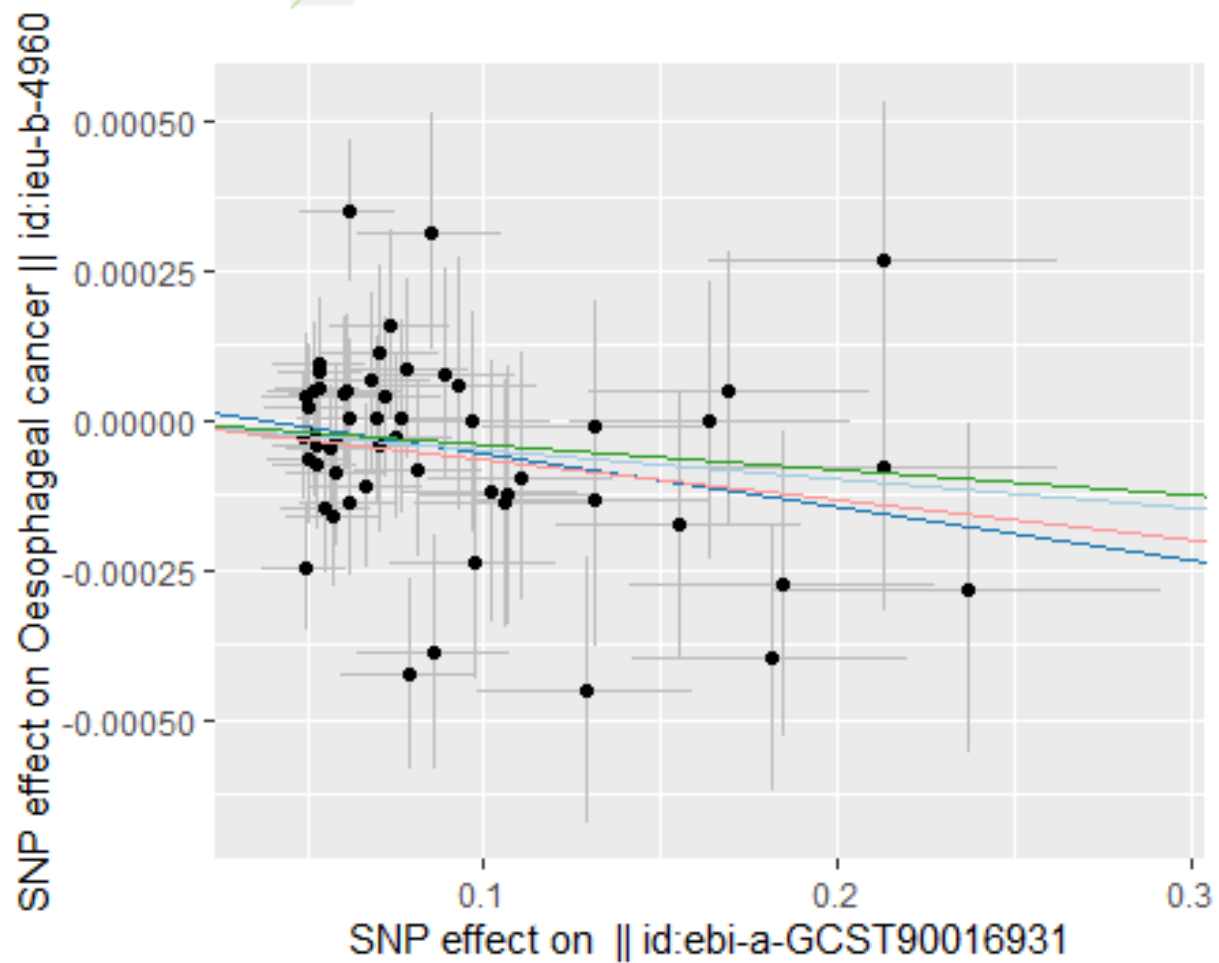
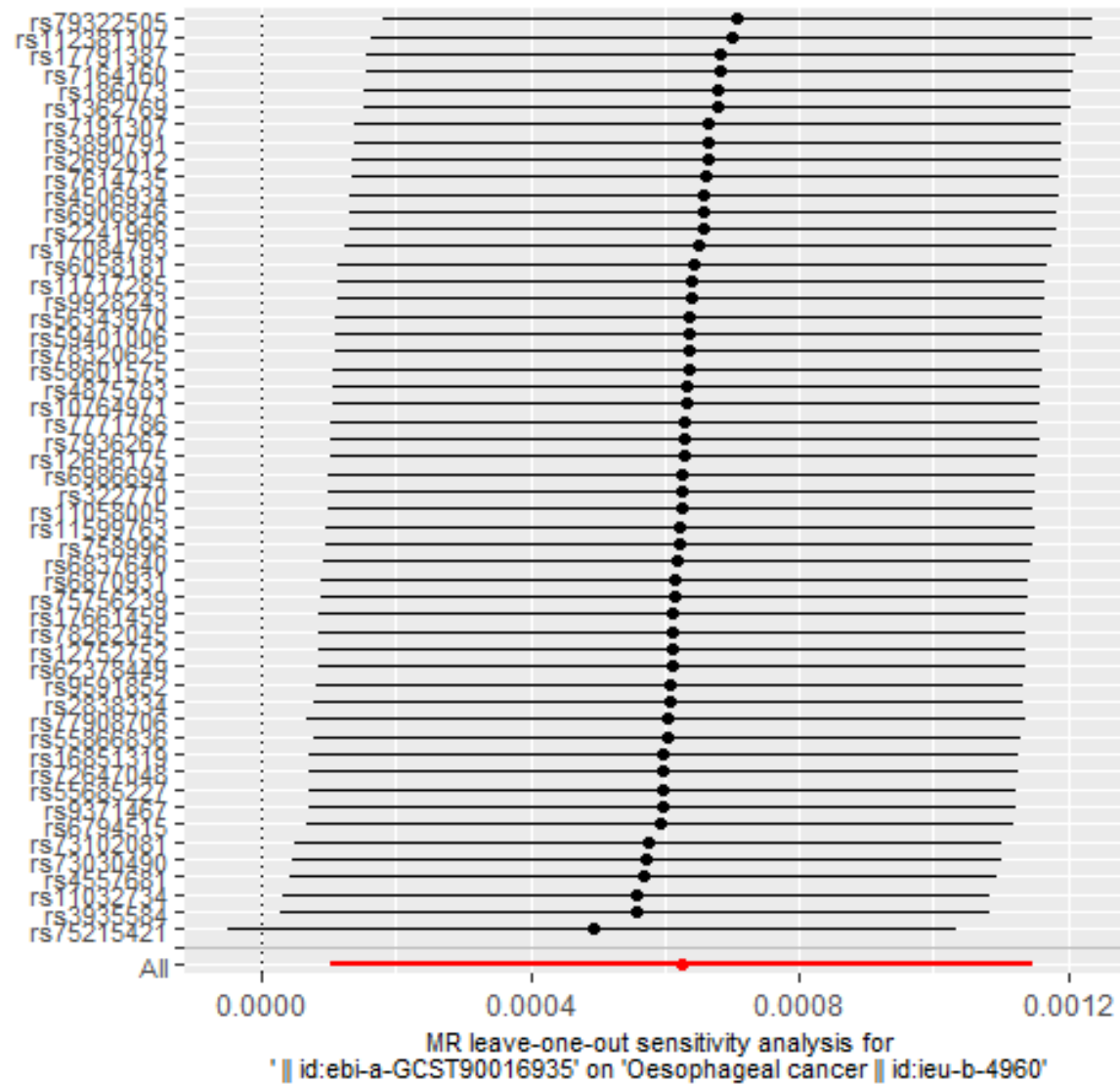


Figure 13 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Desulfovibrionaceae id.3169) on oesophageal cancer



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

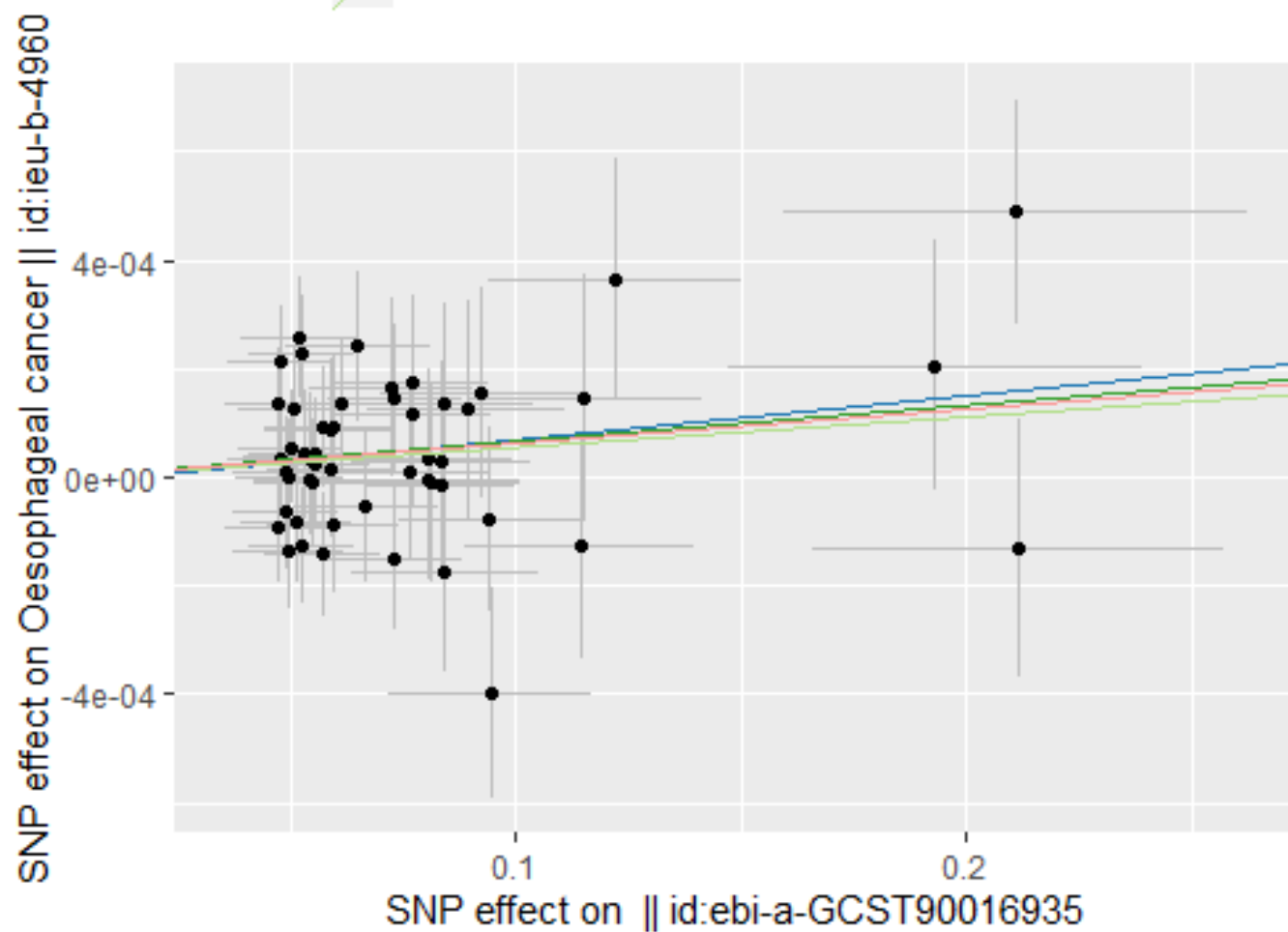
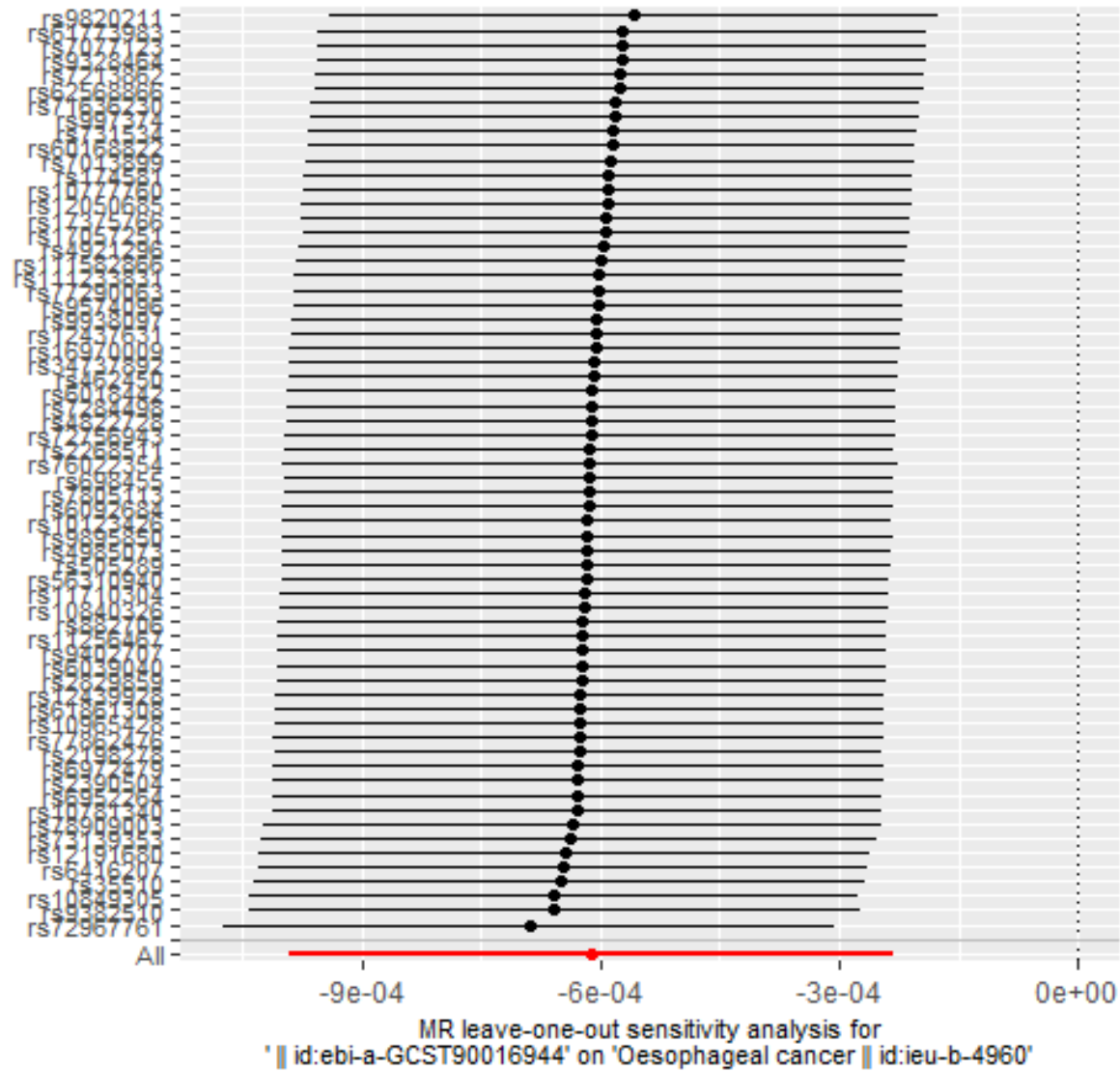
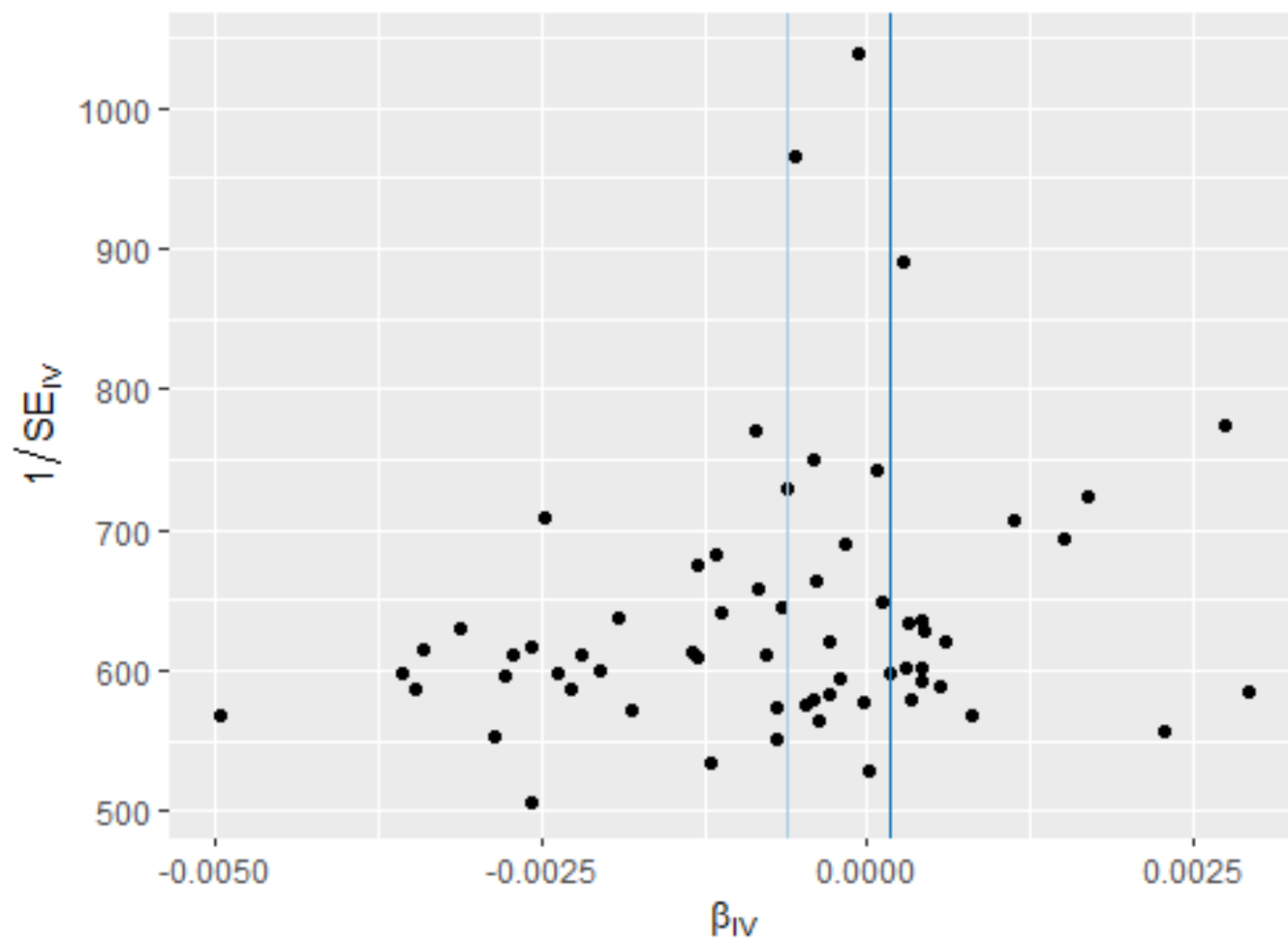


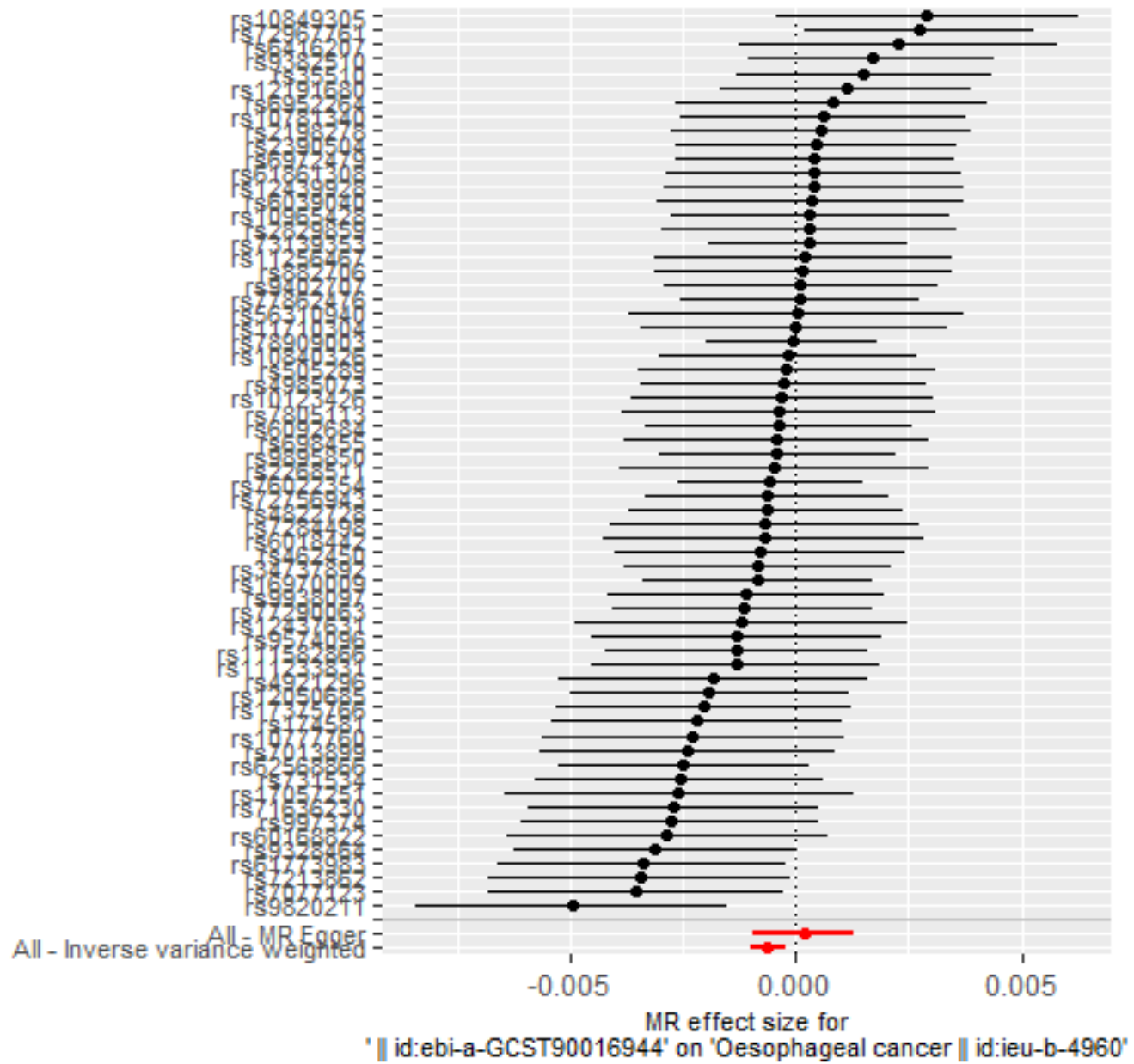
Figure 14 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Pasteurellaceae id.3689) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

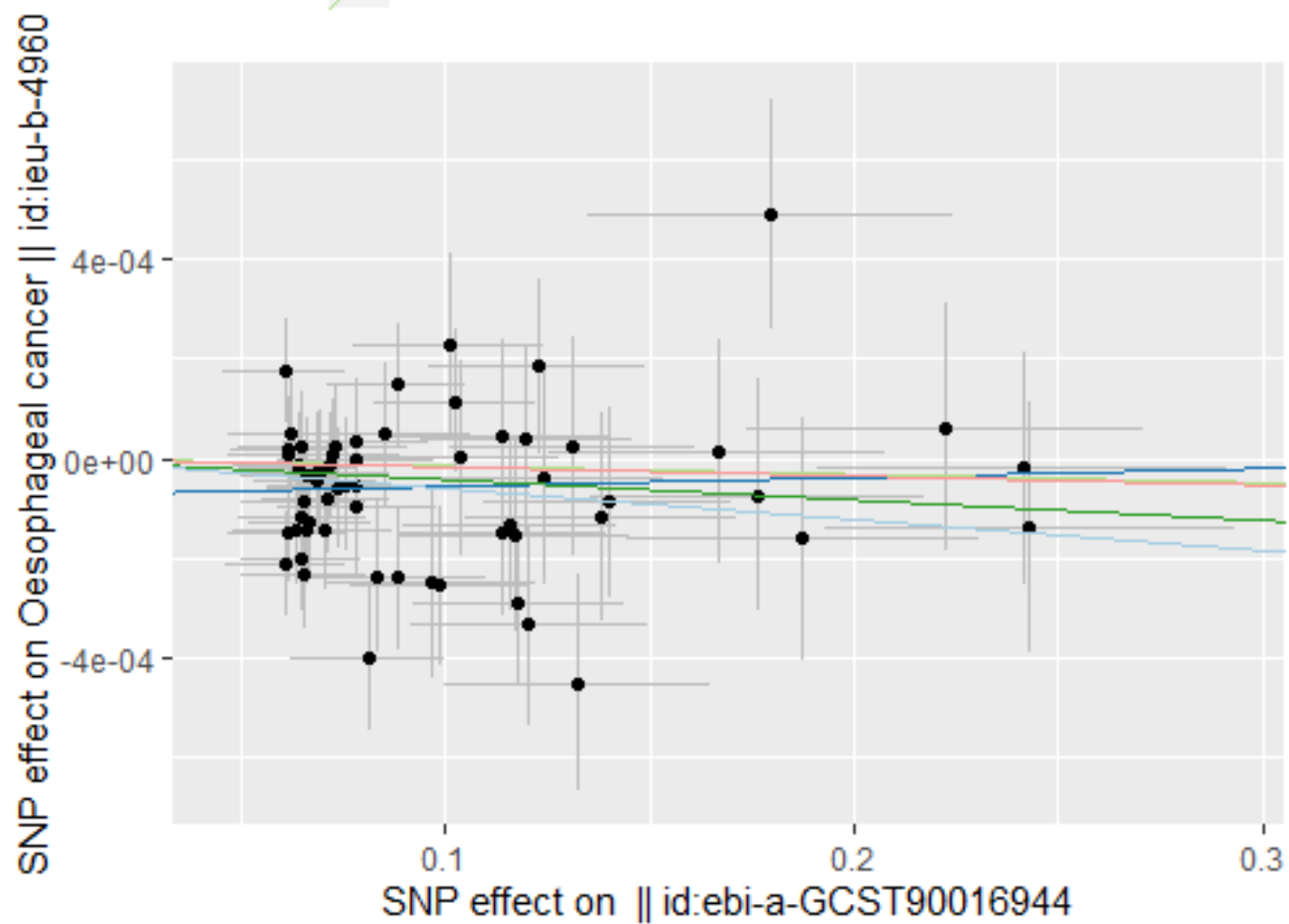
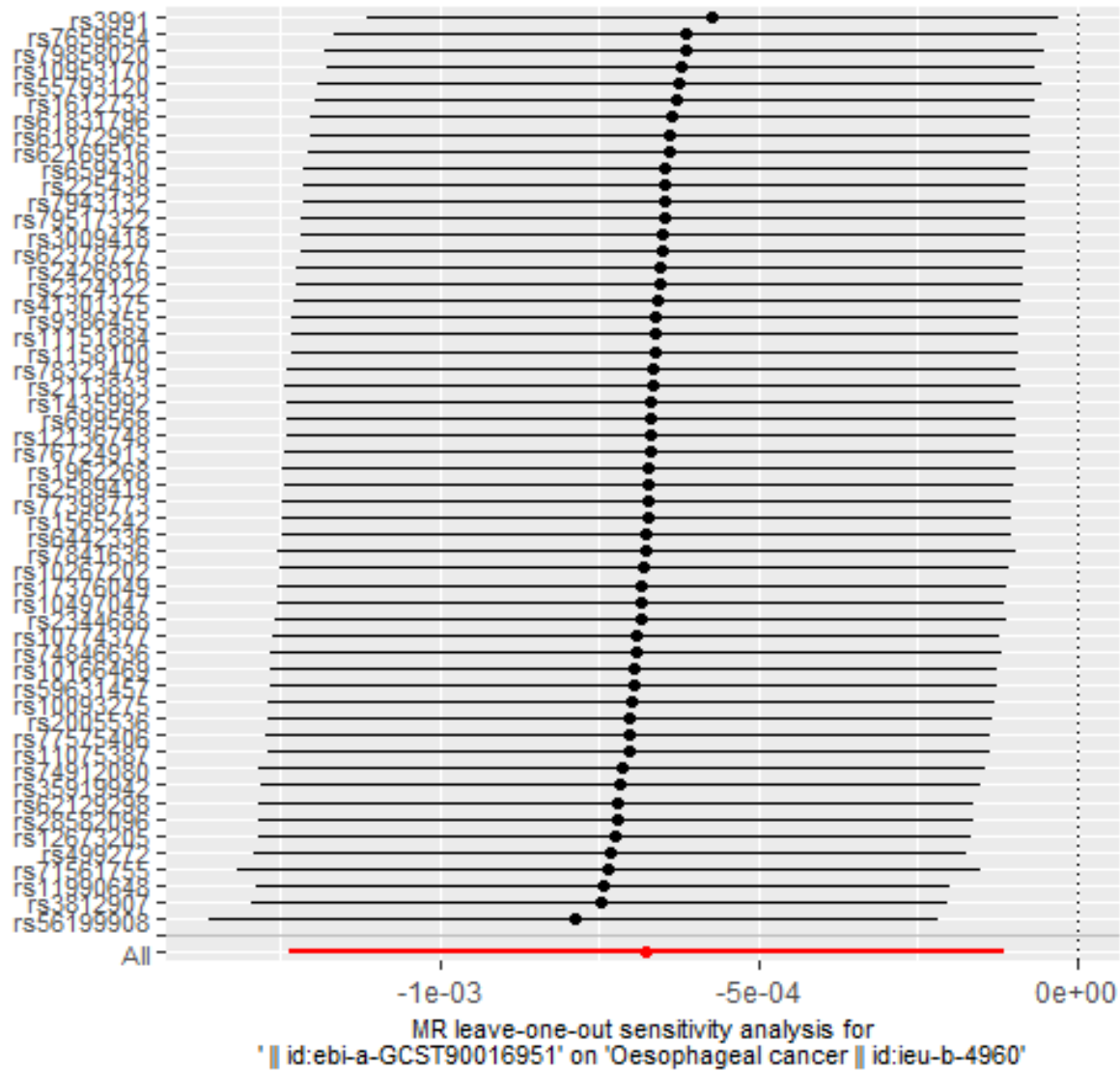
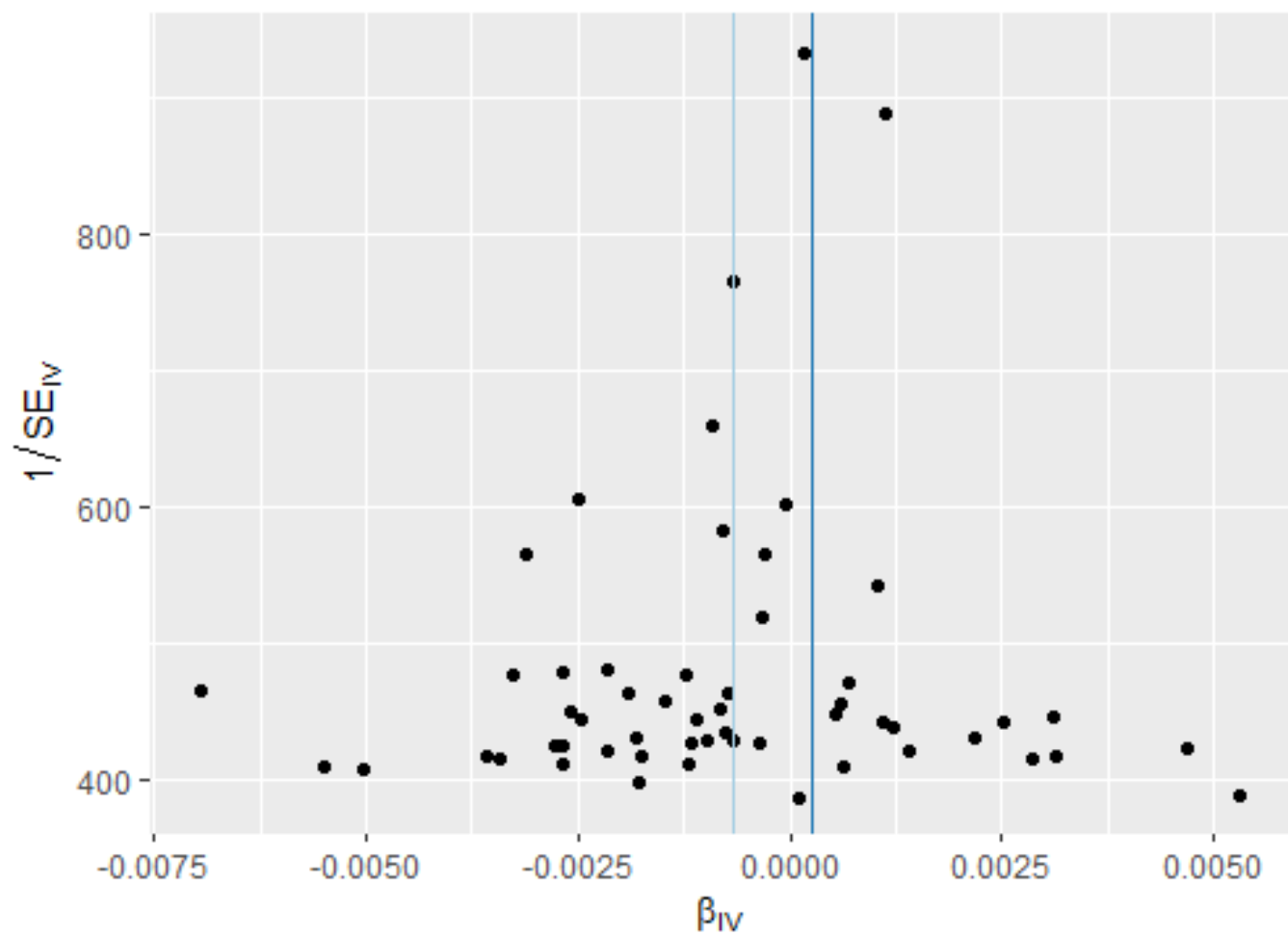


Figure 15 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Ruminococcaceae id.2050) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

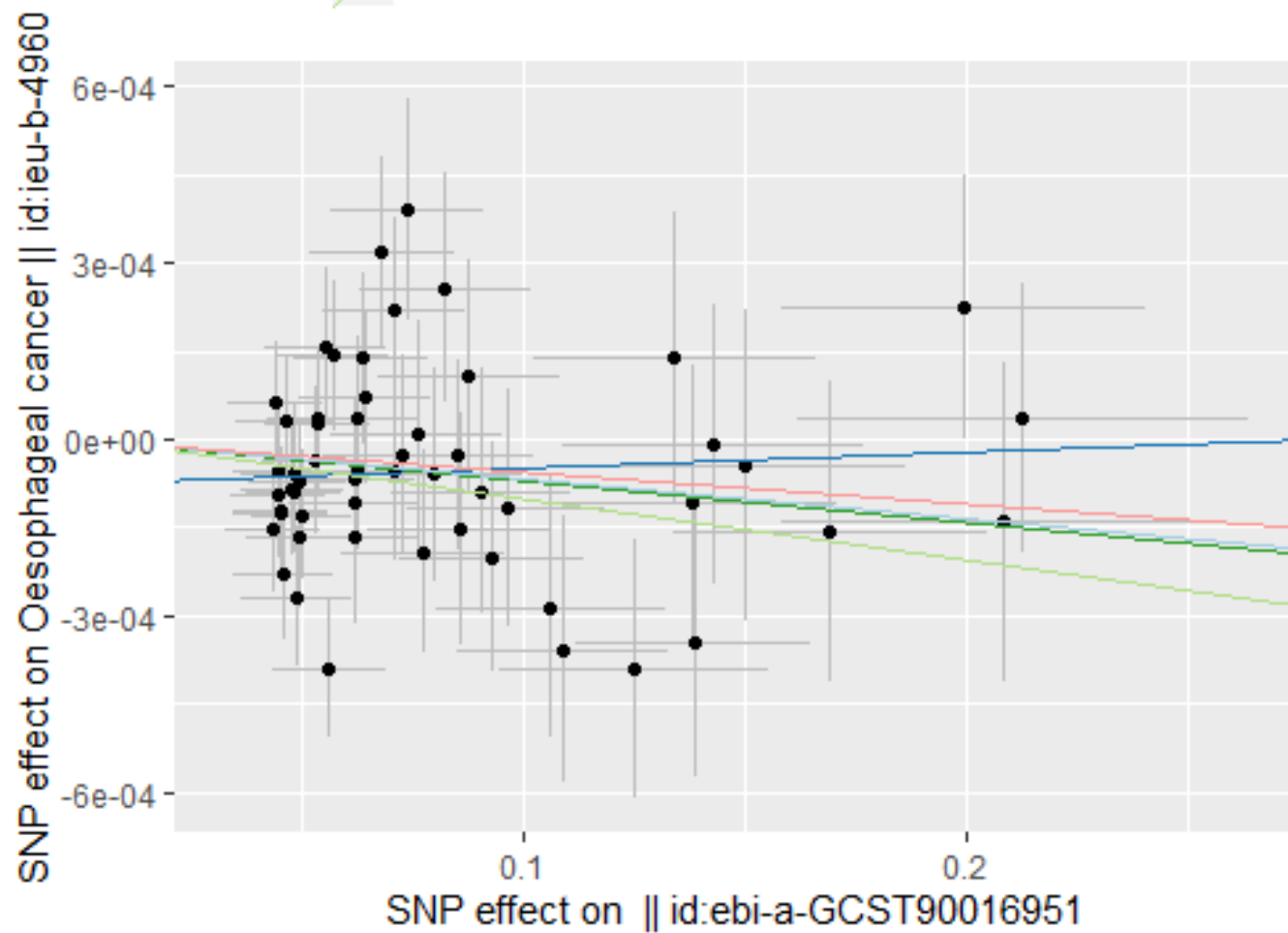
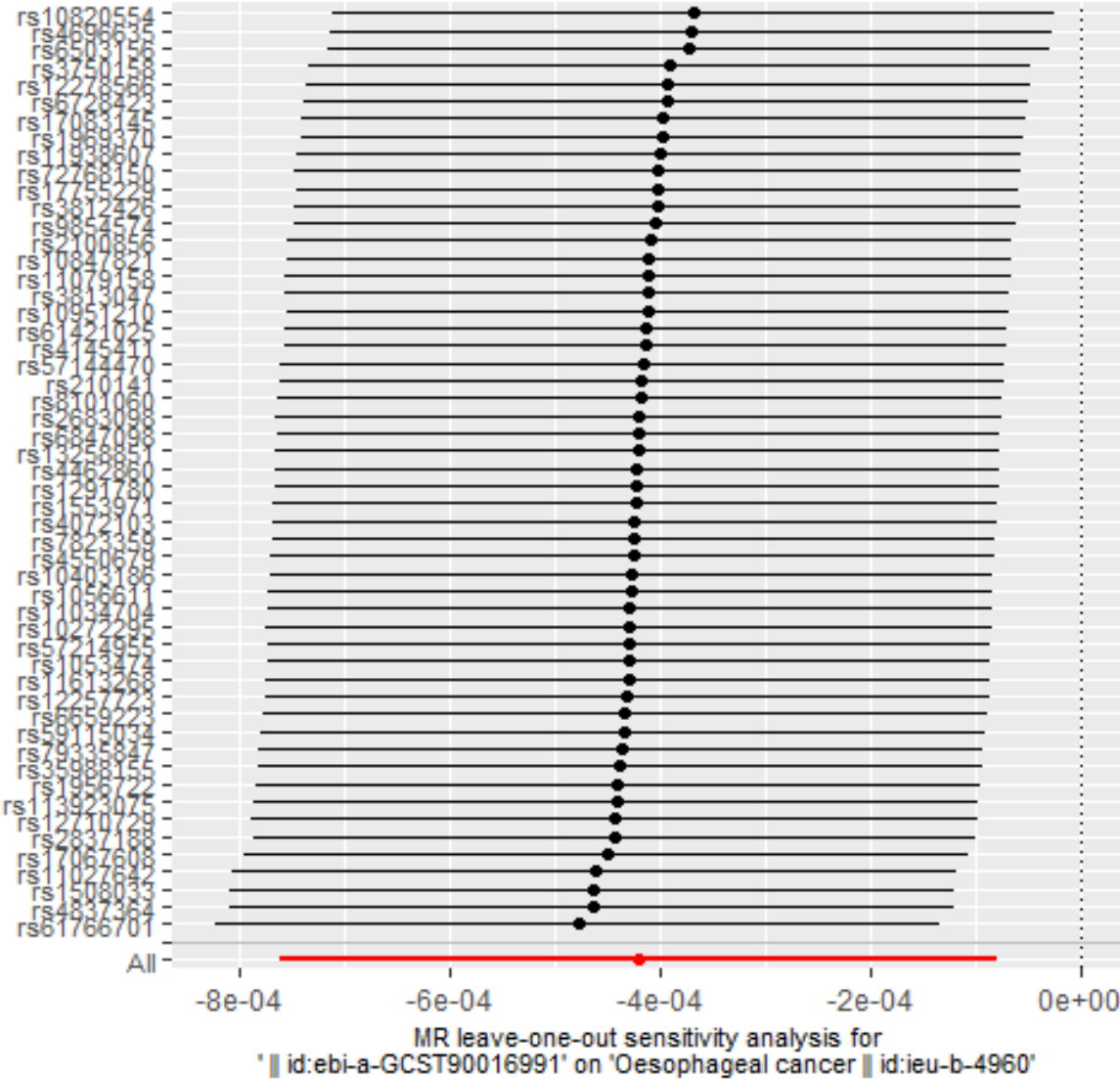
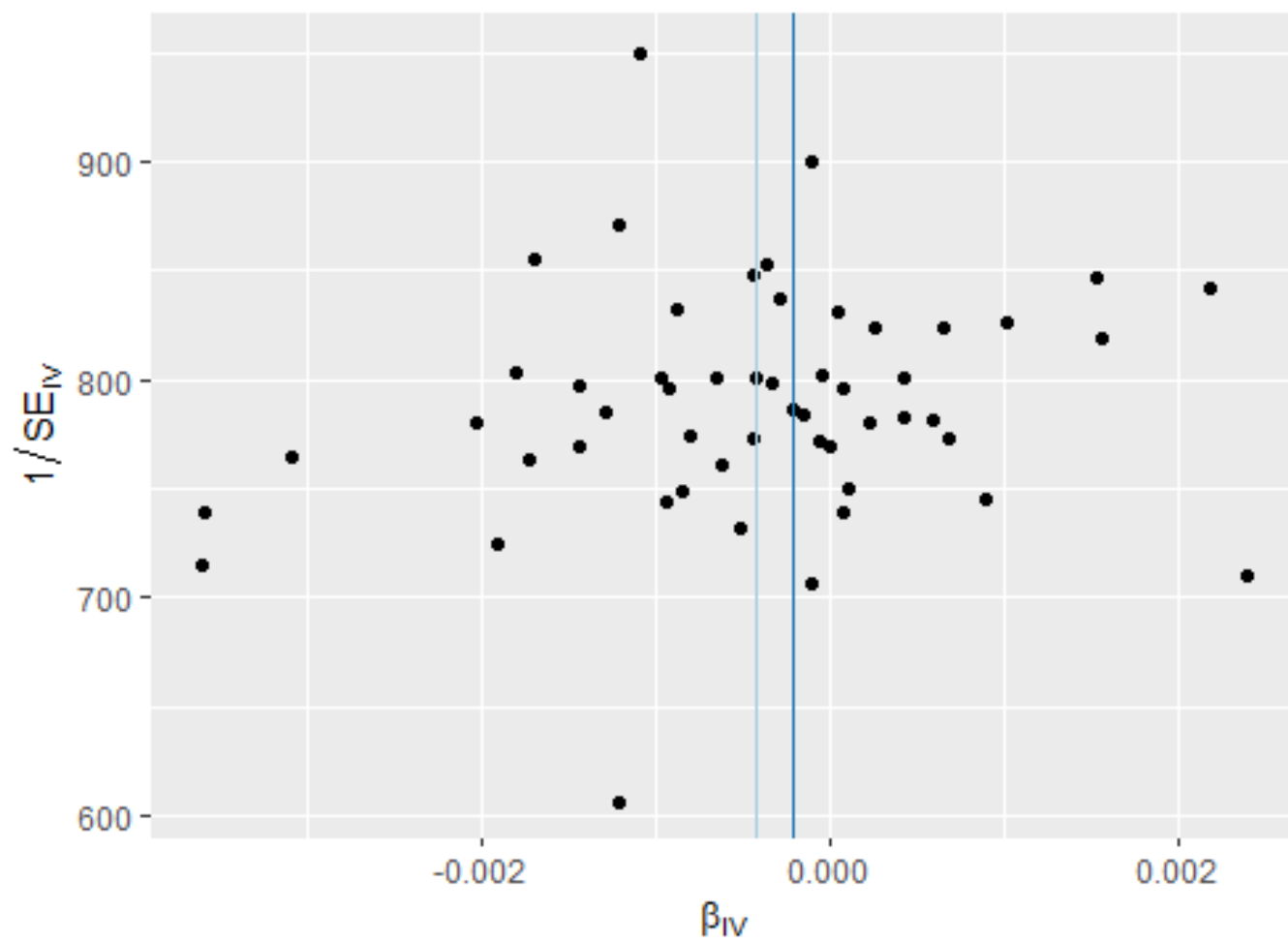


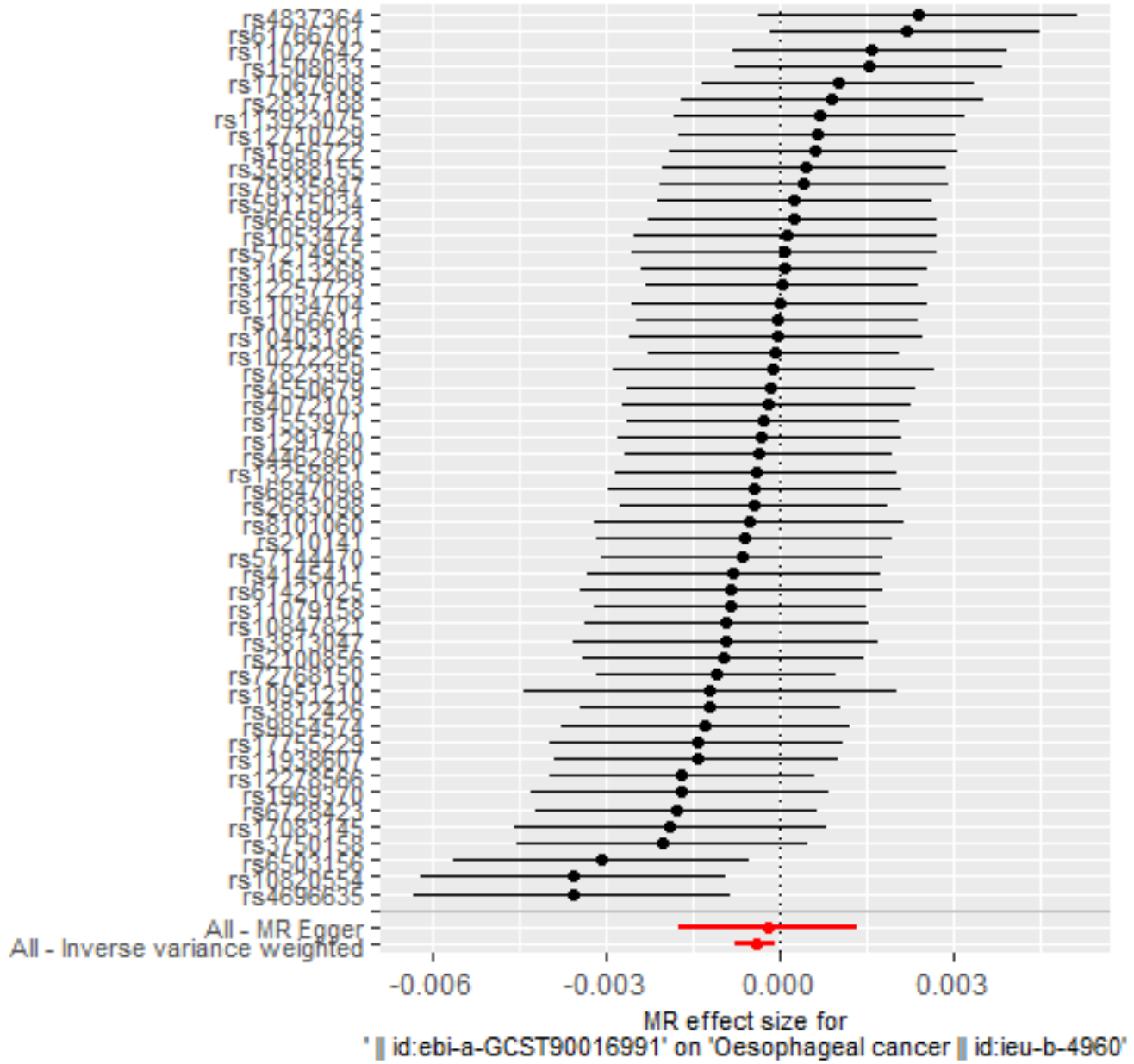
Figure 16 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Eisenbergiella id.11304) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

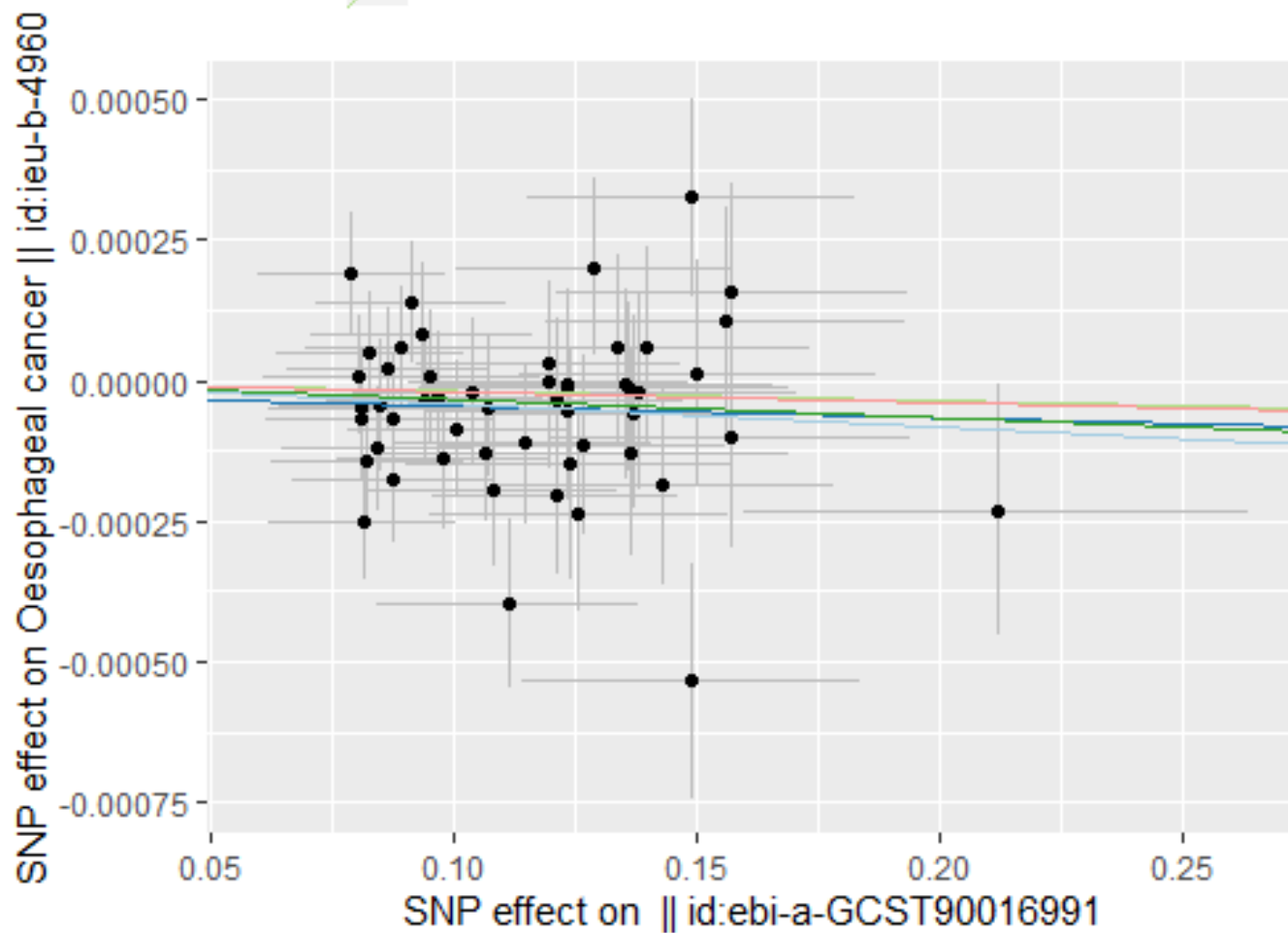
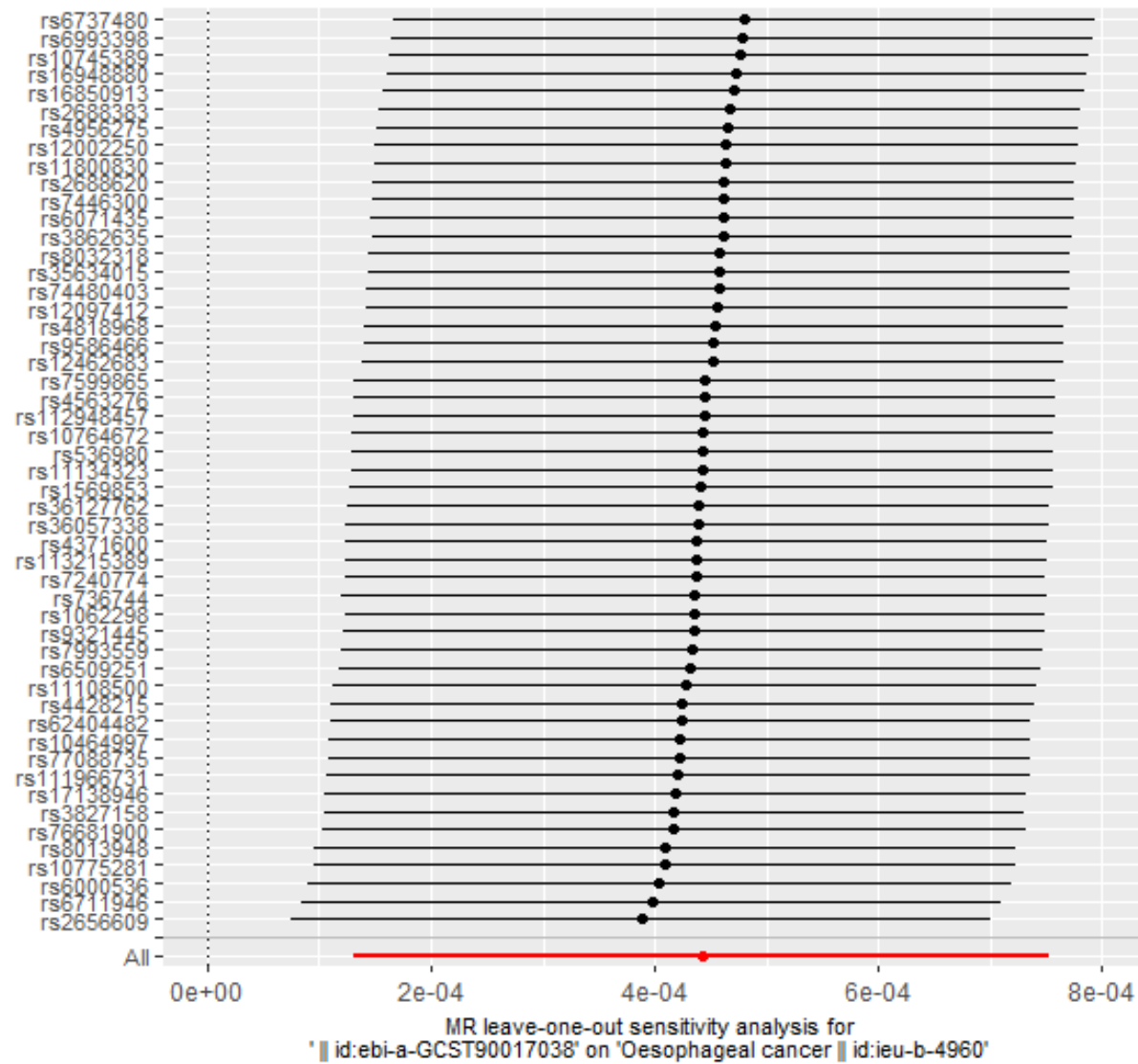
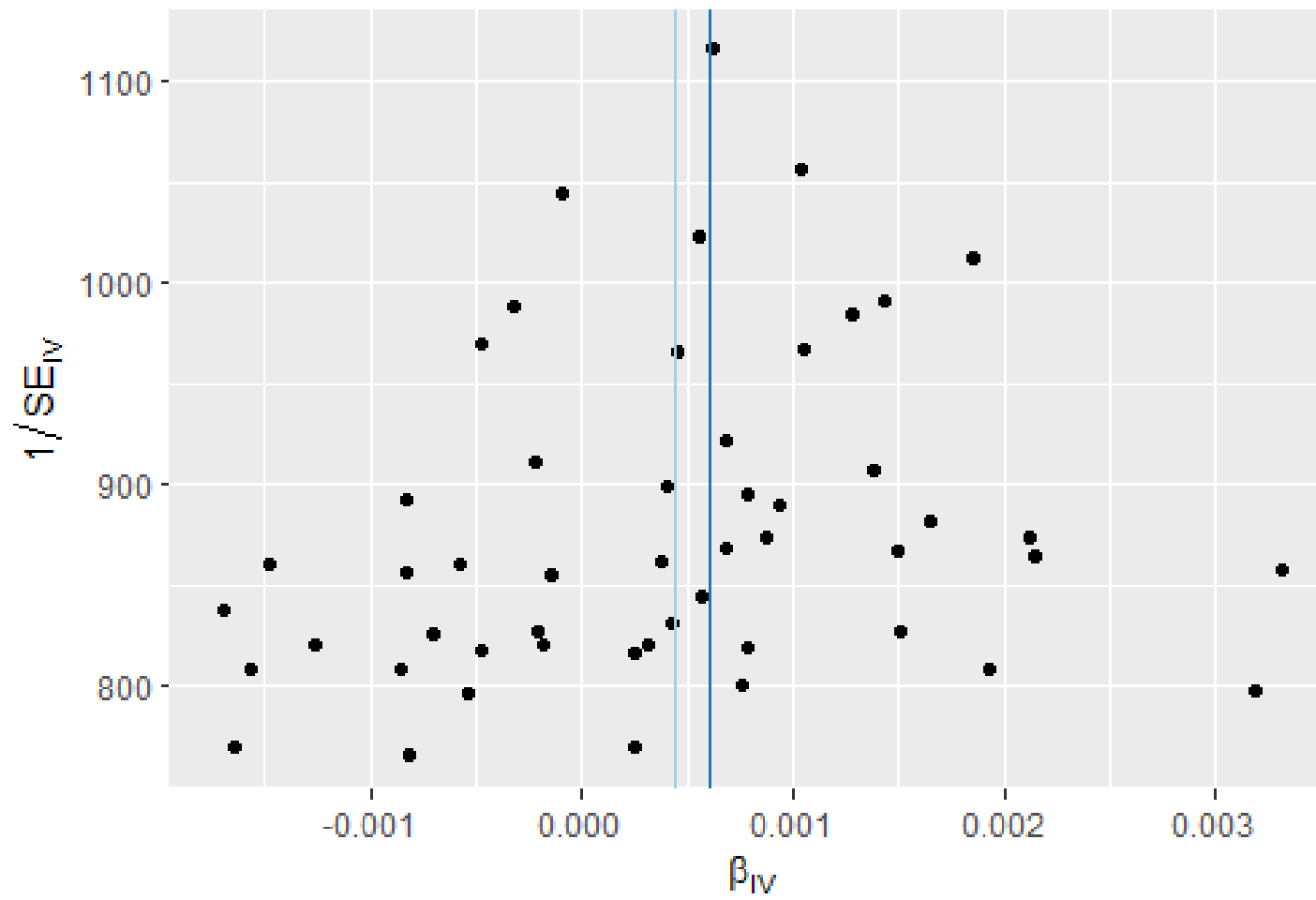


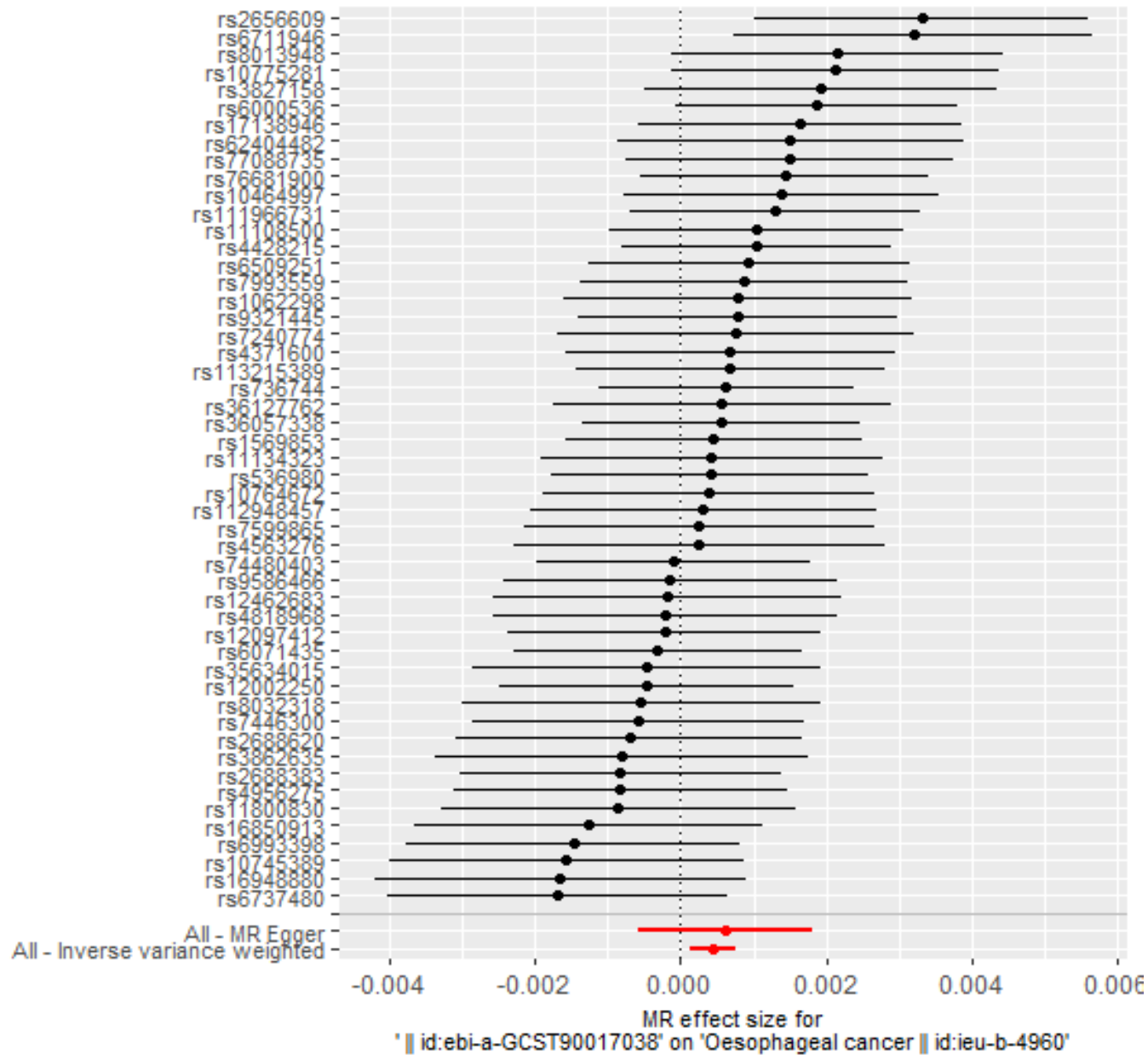
Figure 17 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Oxalobacter id.2978) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

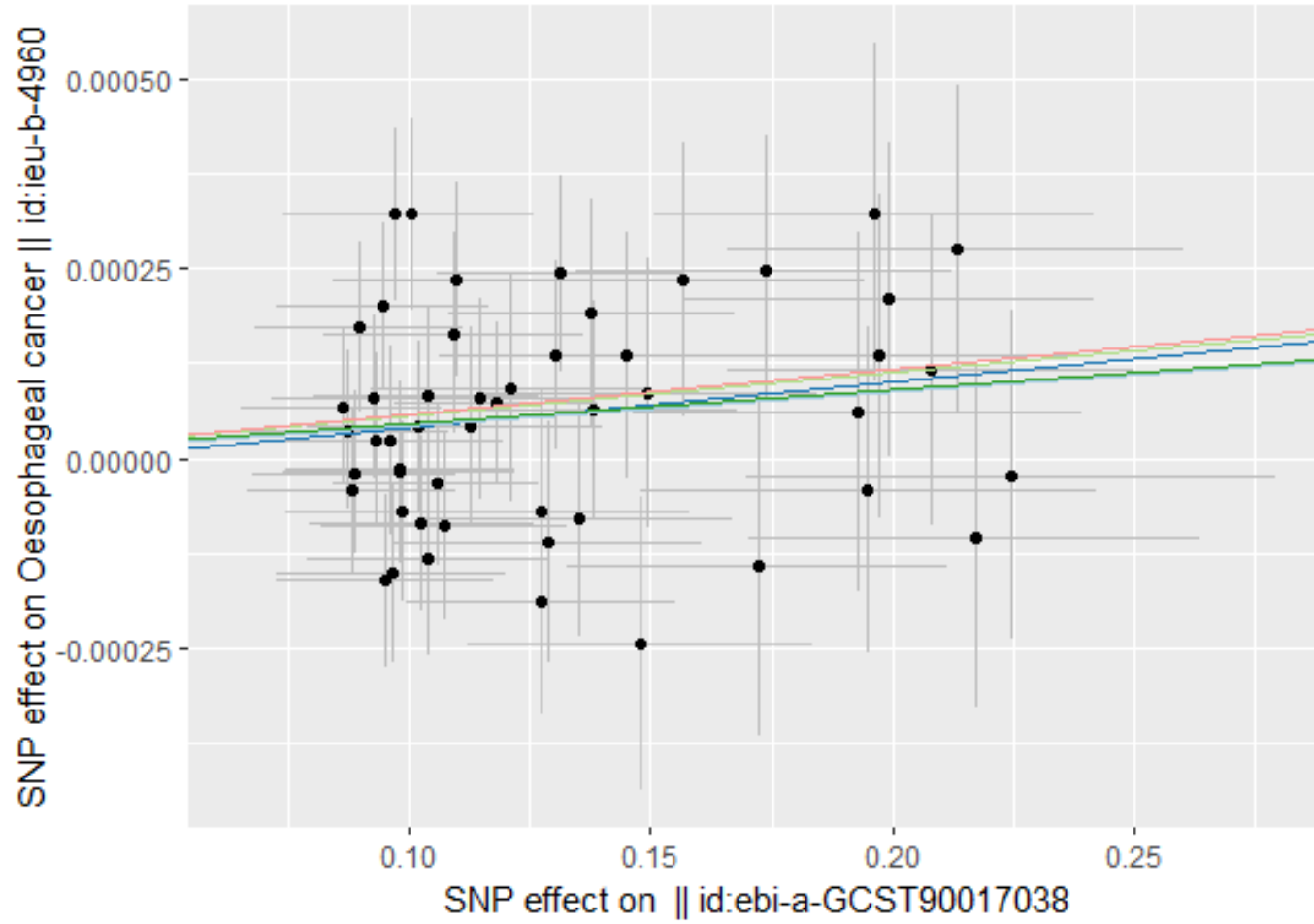
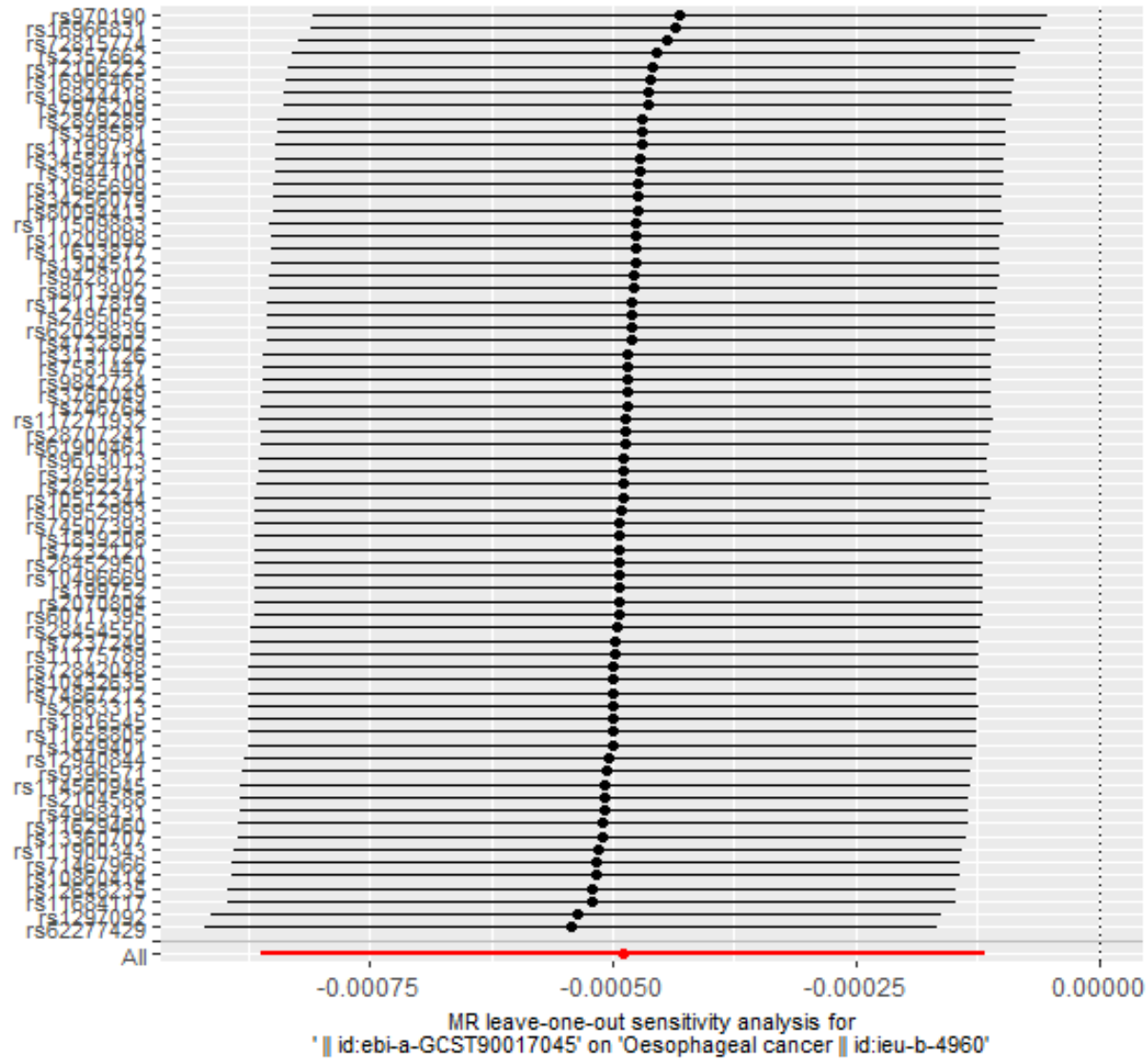
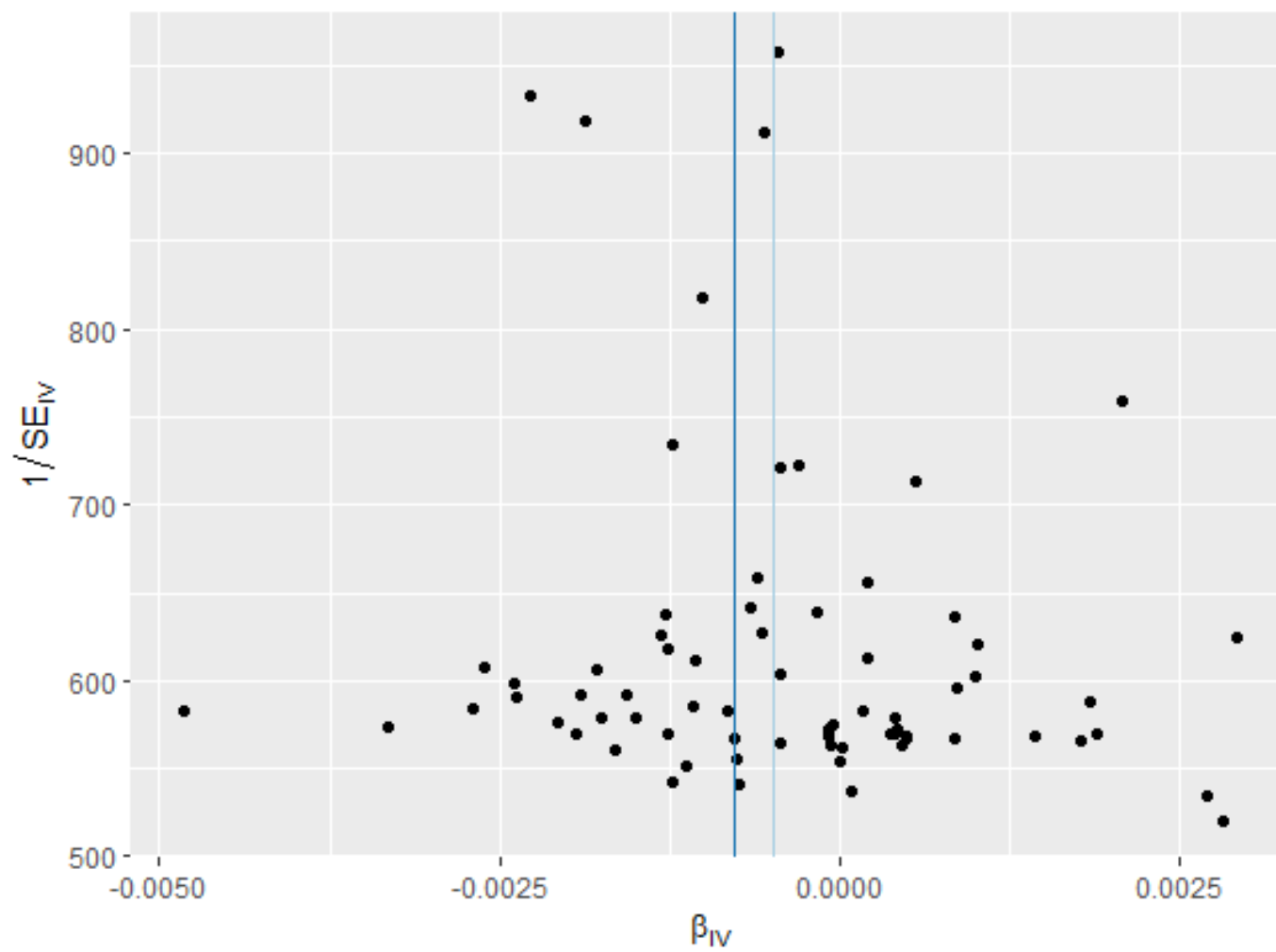


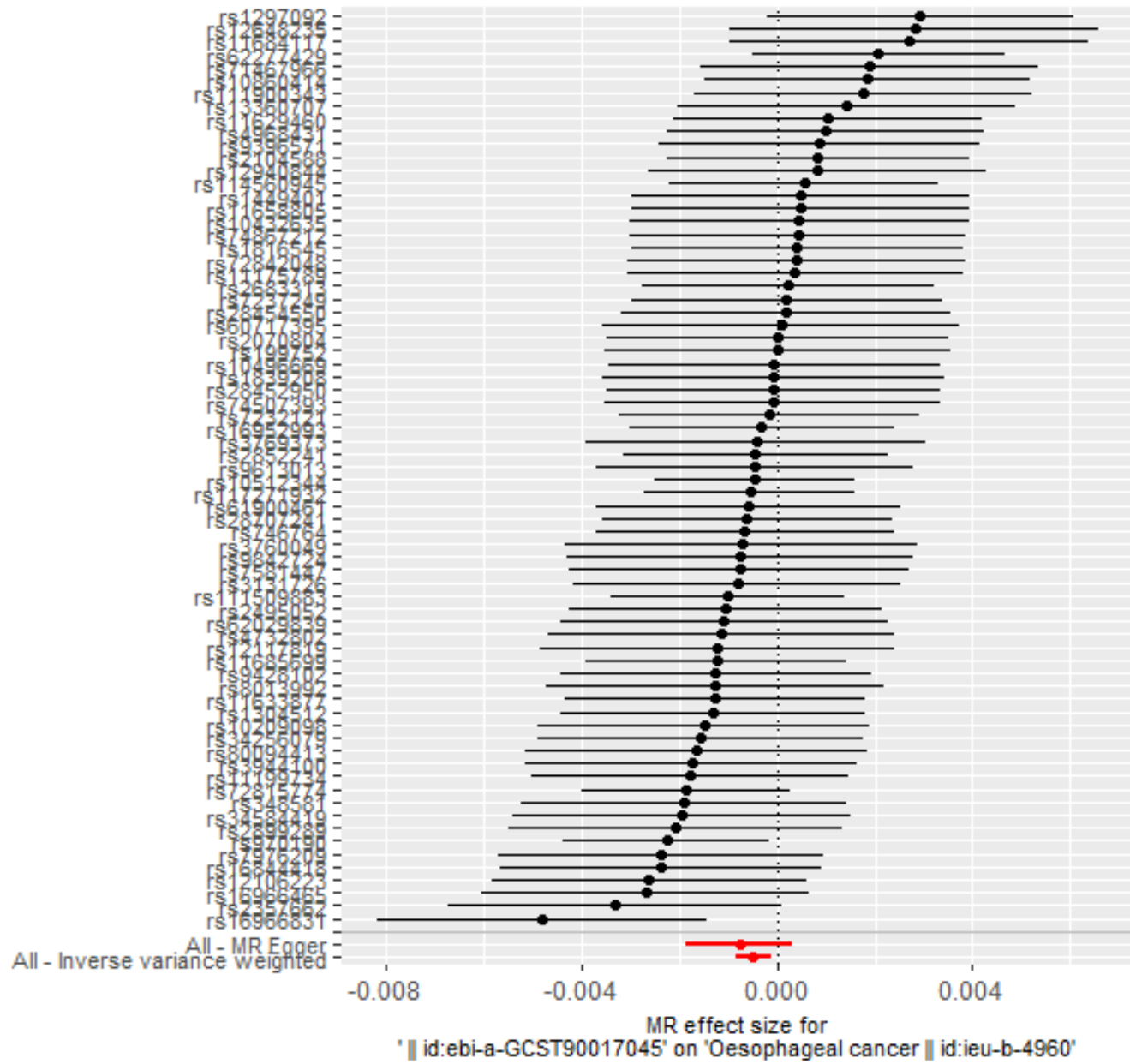
Figure 18 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Prevotella9 id.11183) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

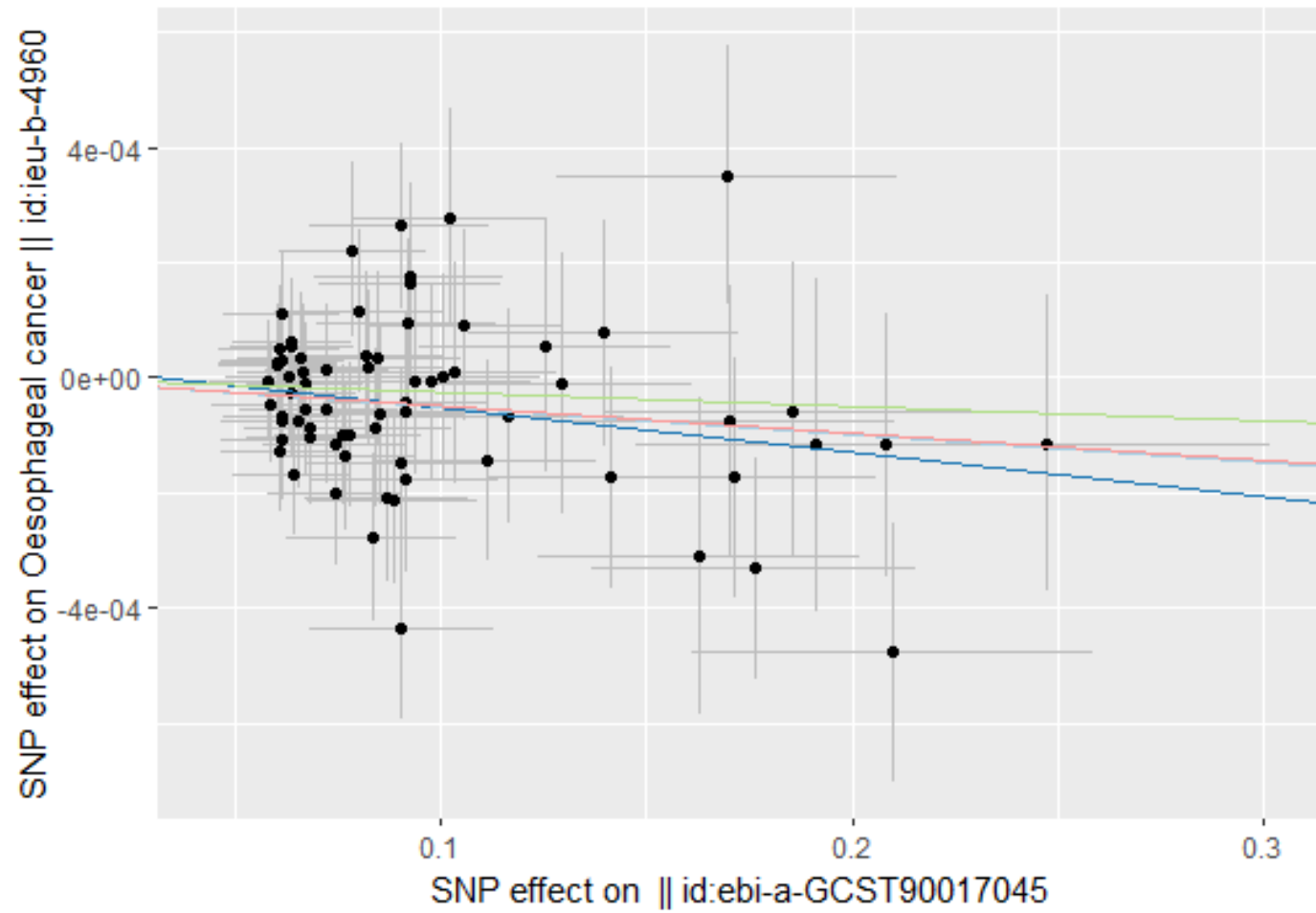
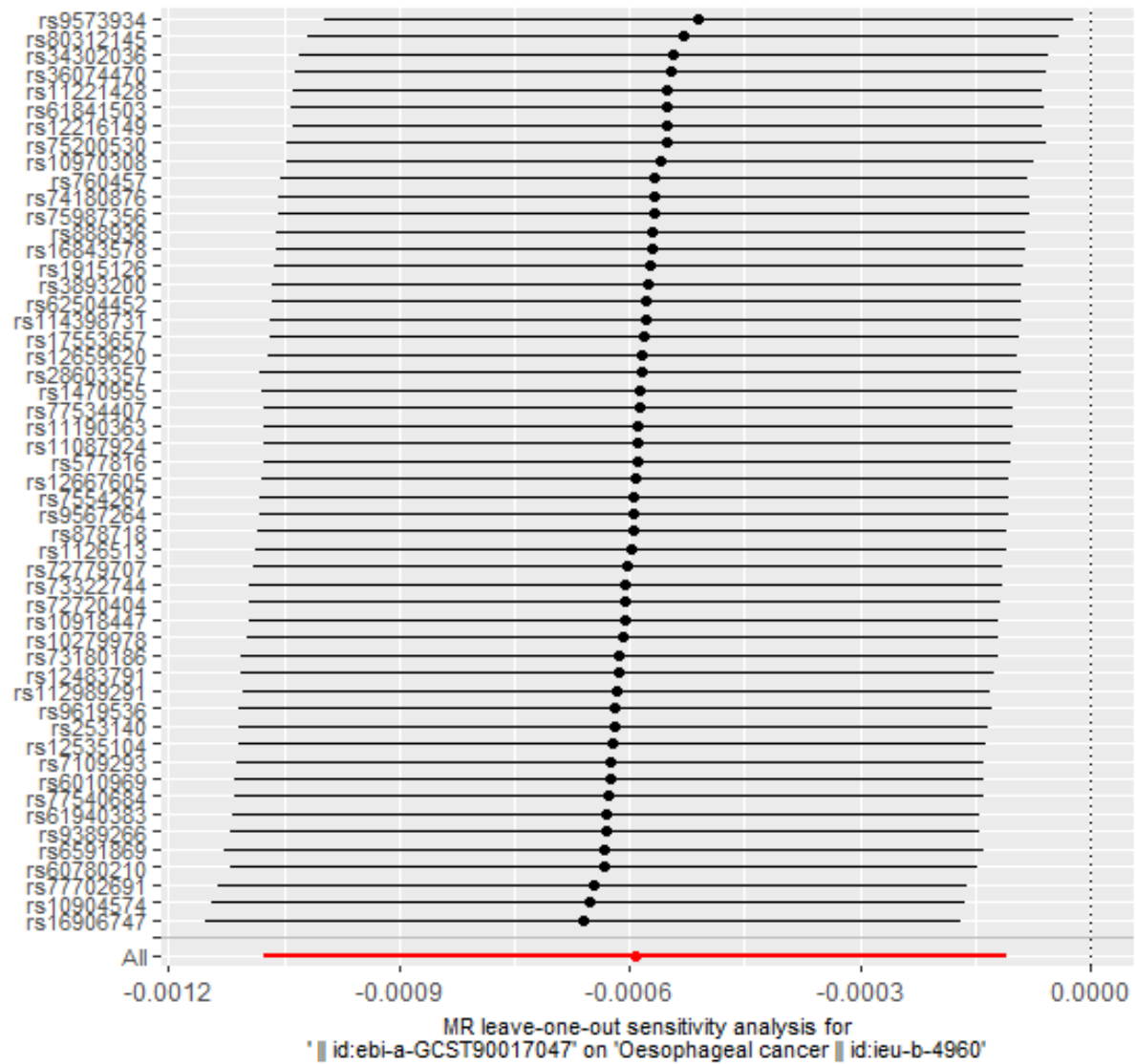
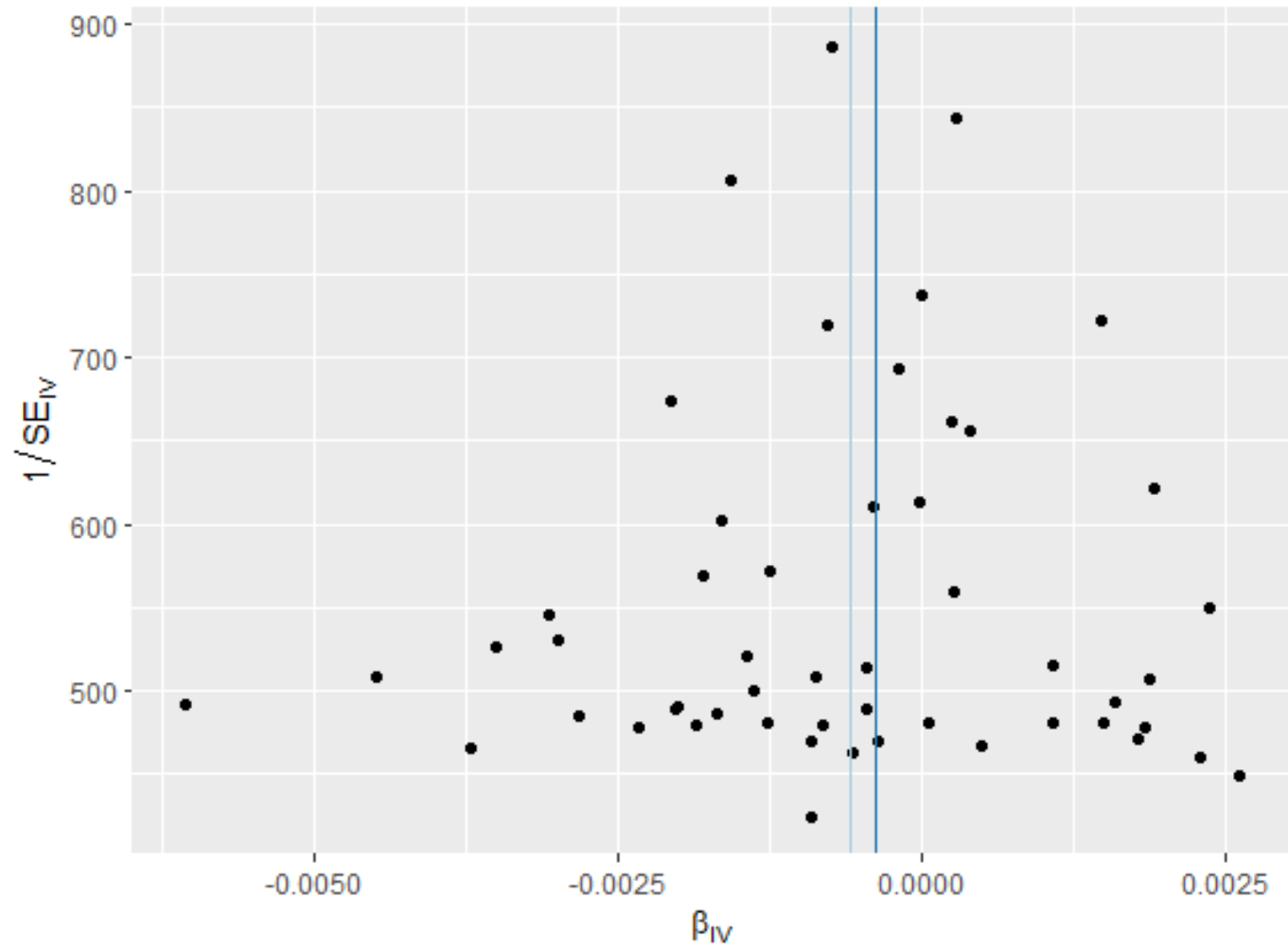


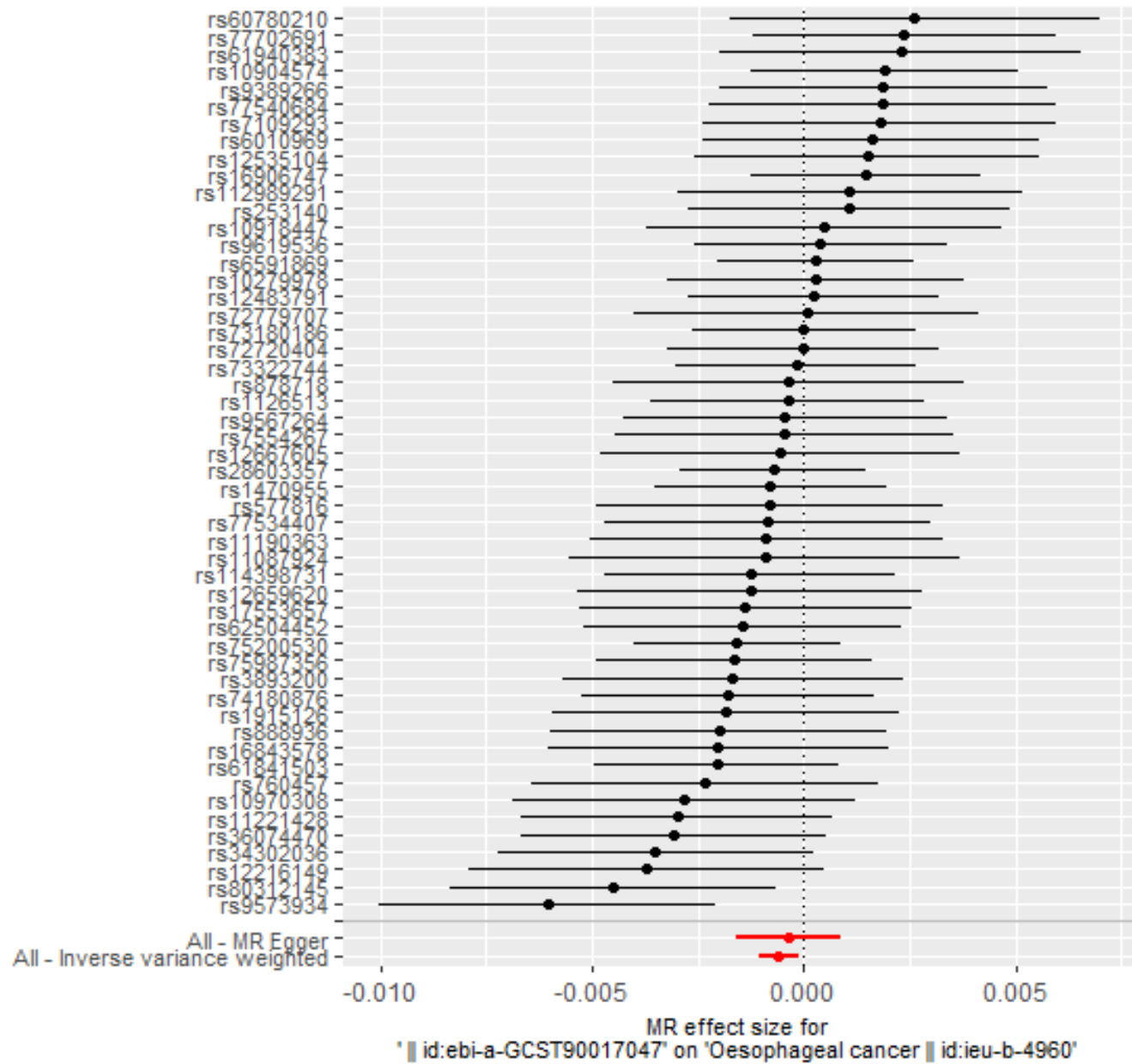
Figure 19 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Romboutsia id.11347) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

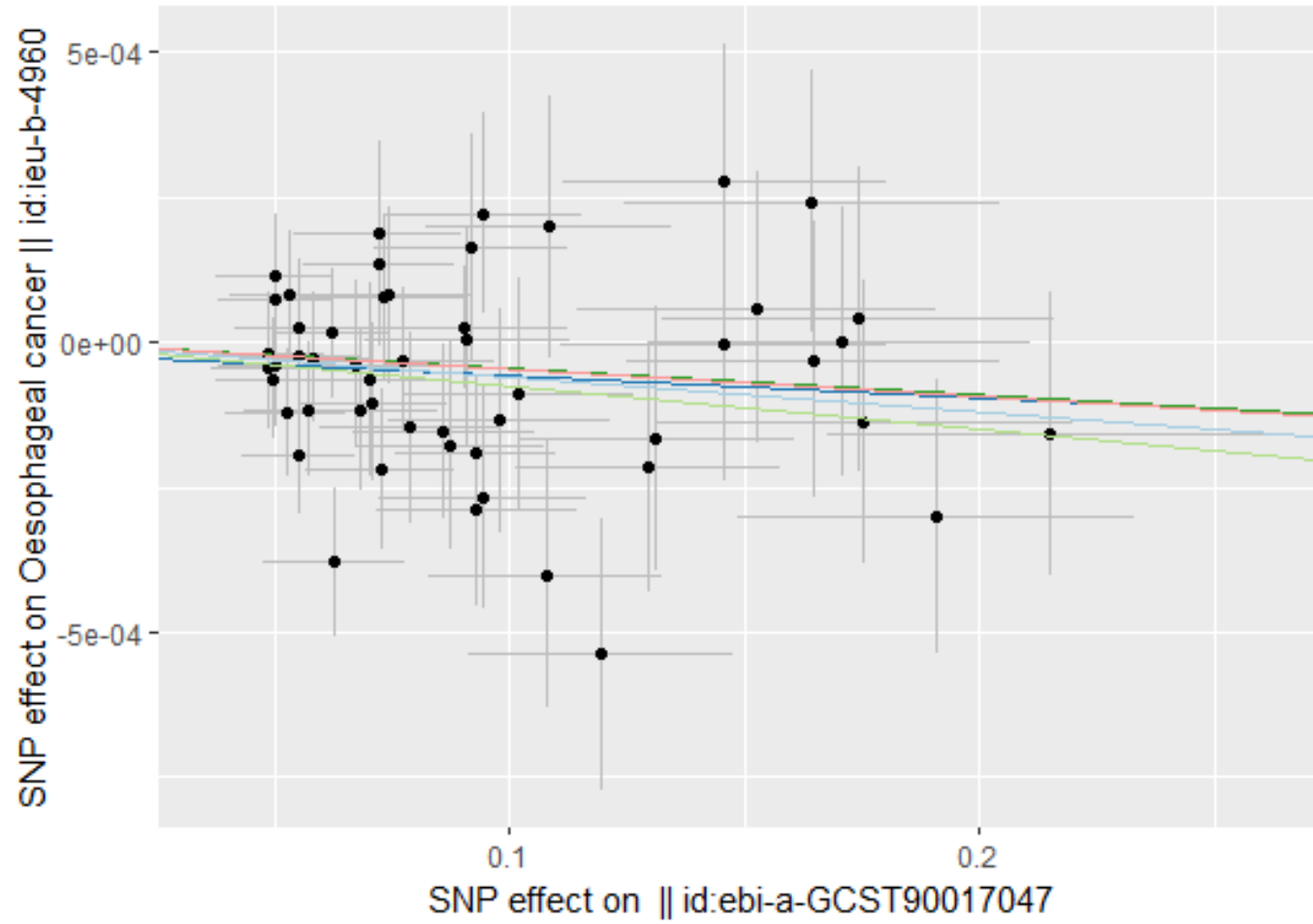
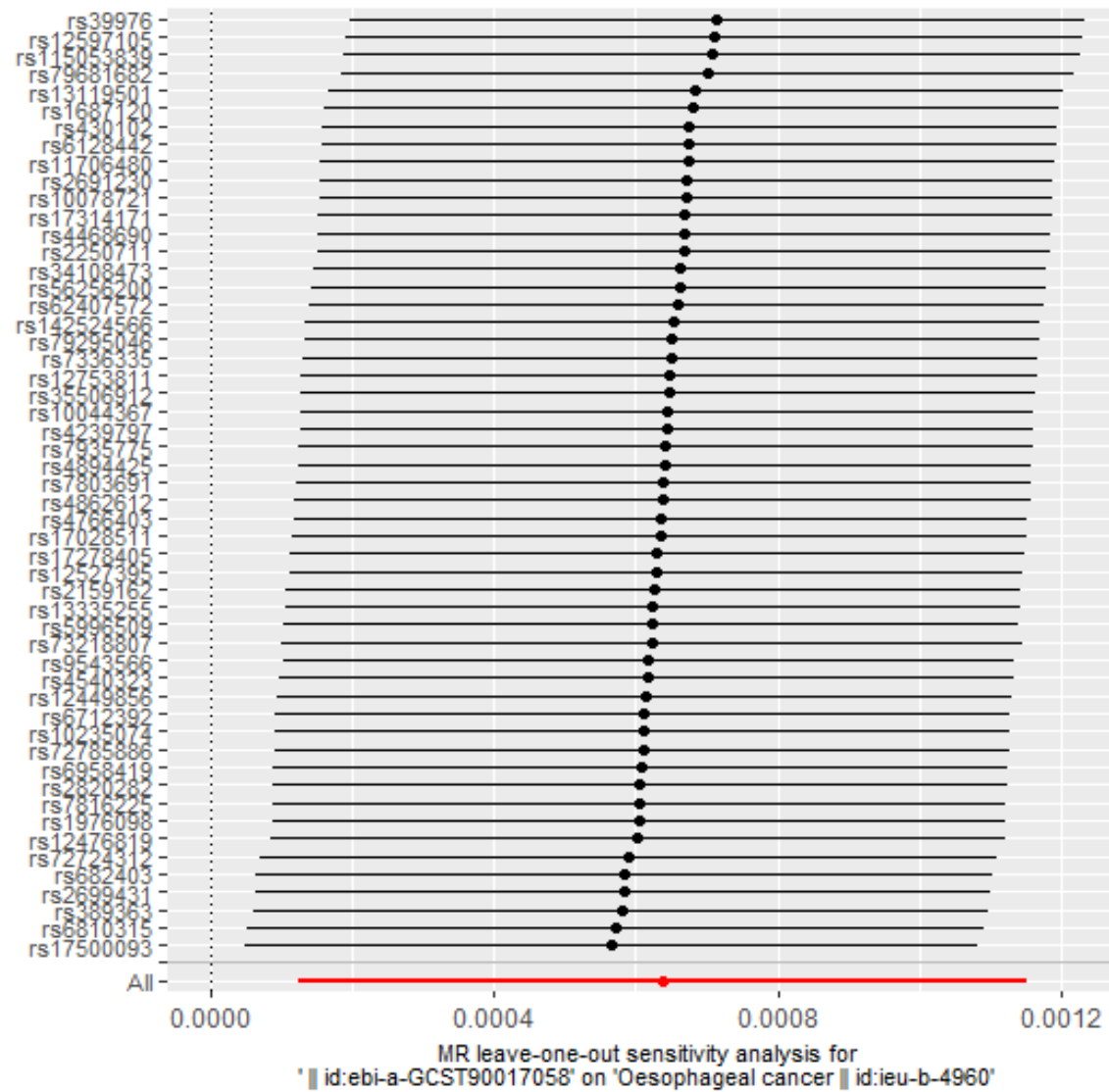
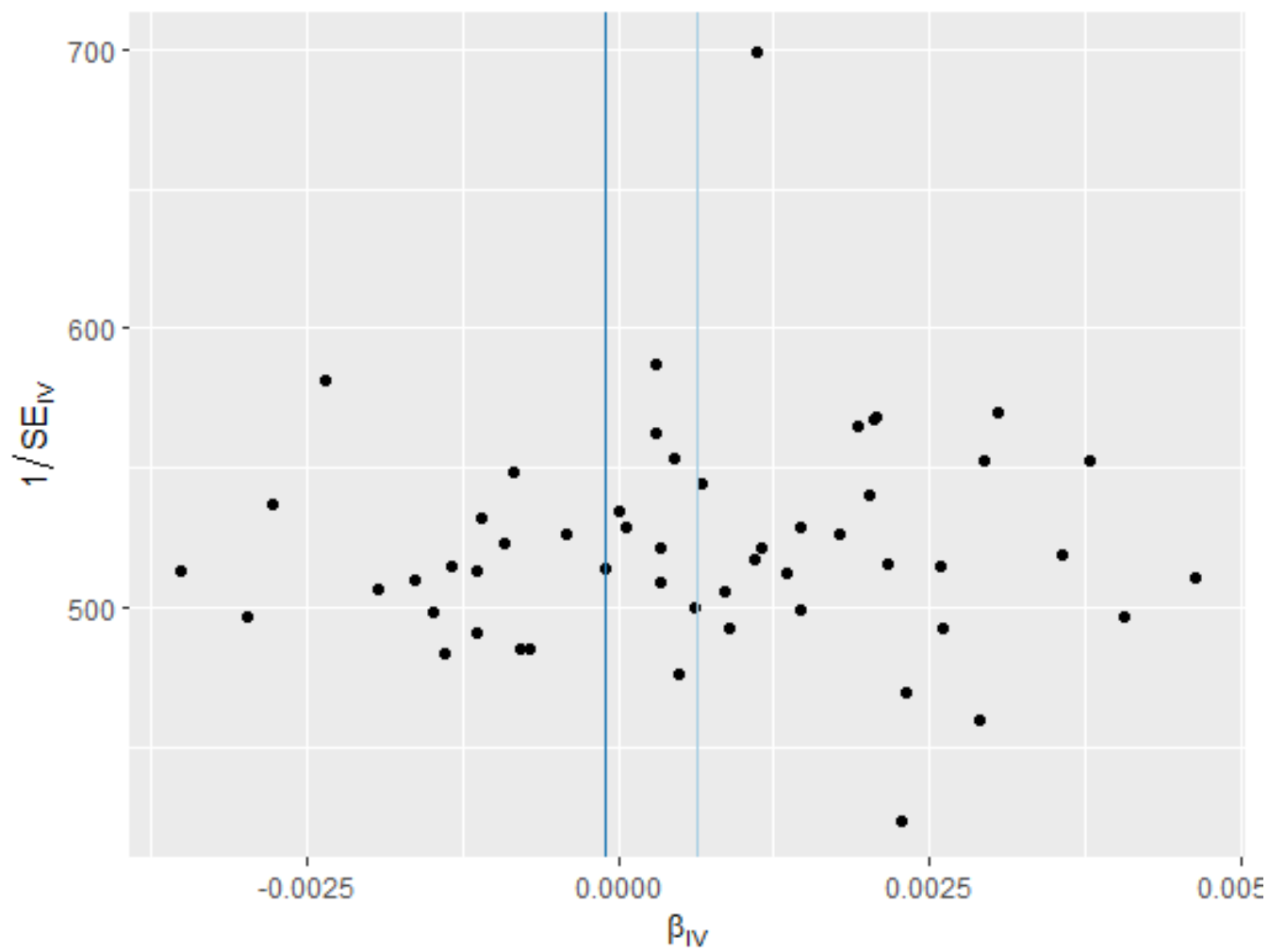


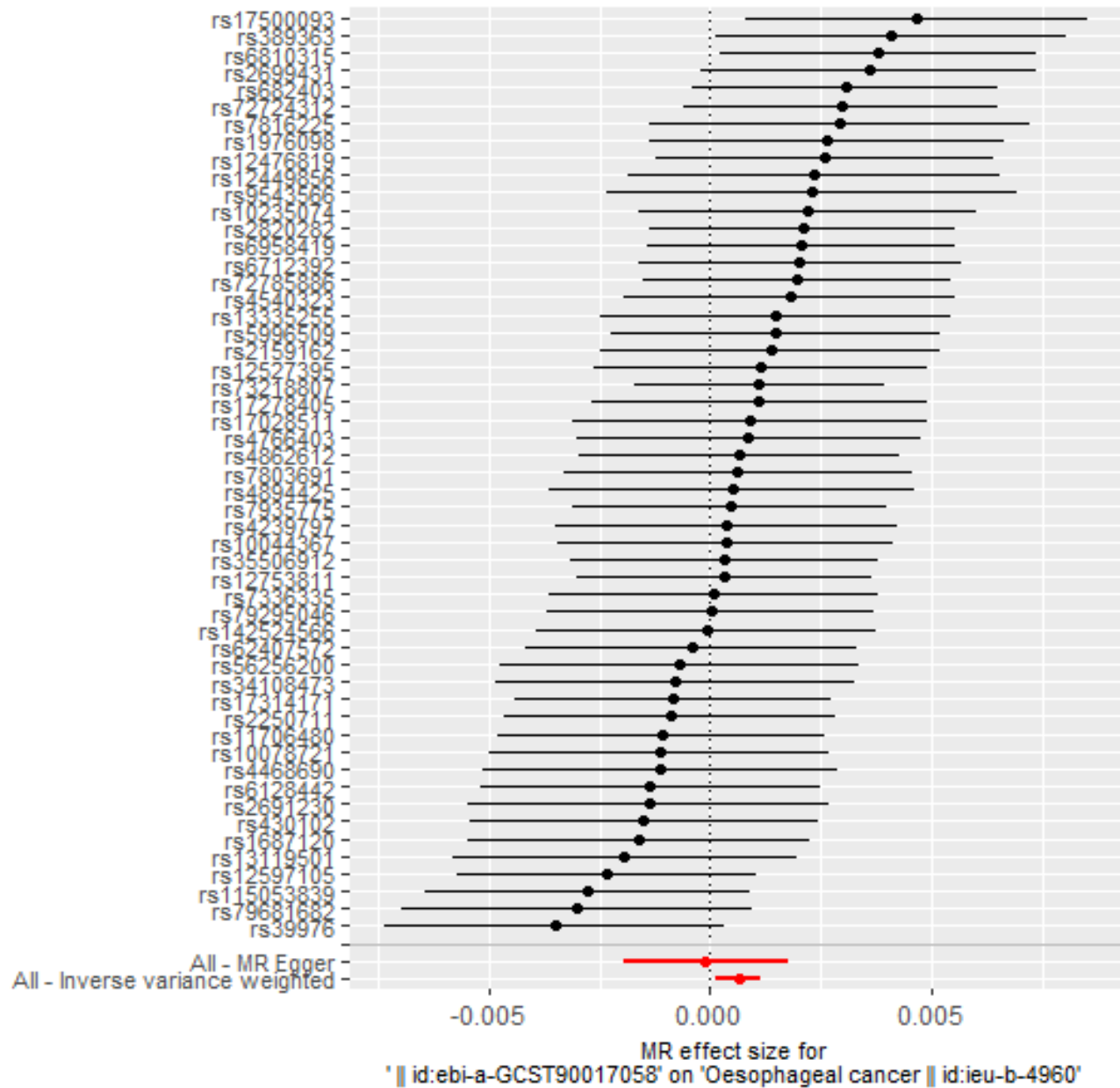
Figure 20 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

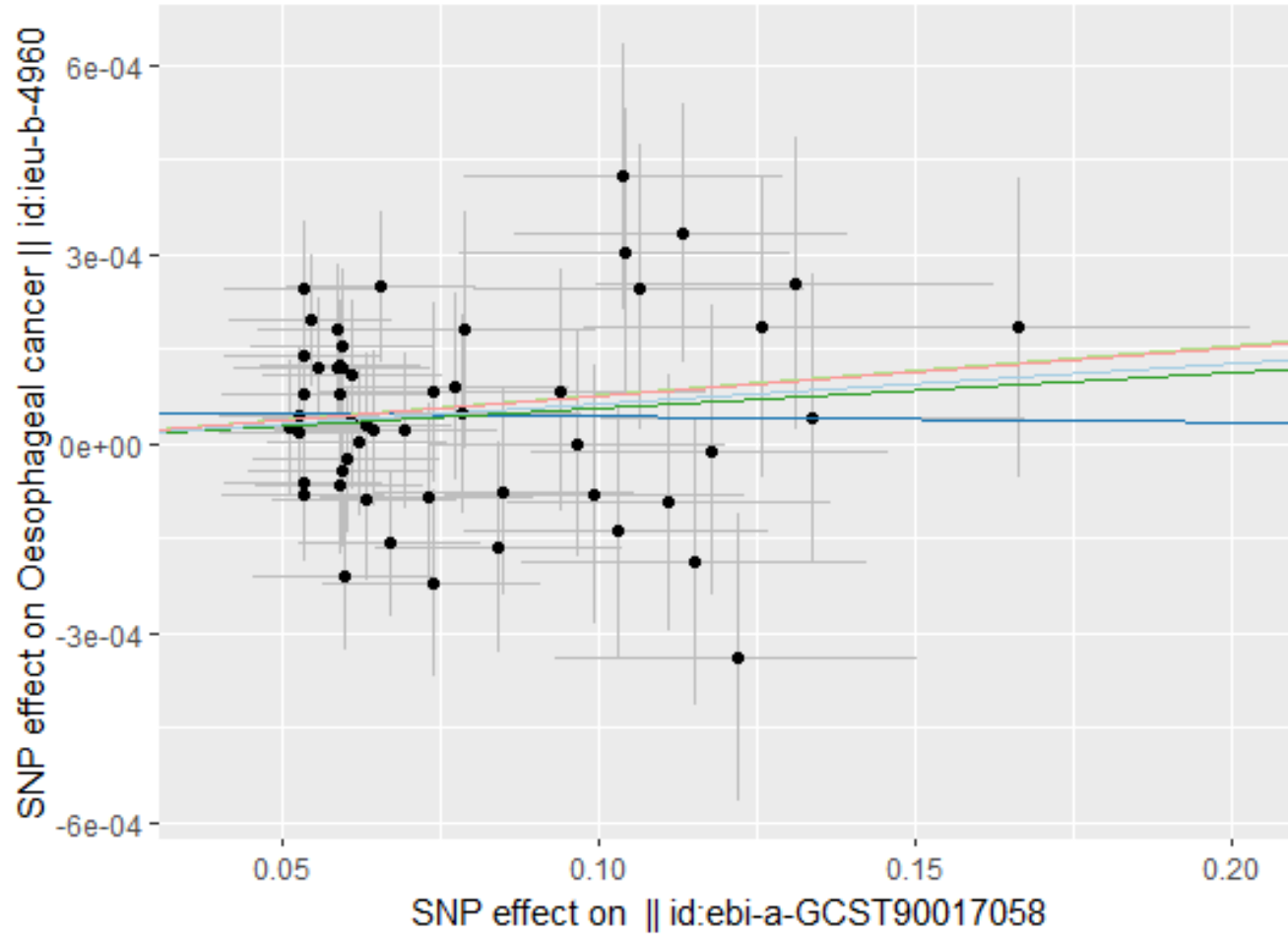
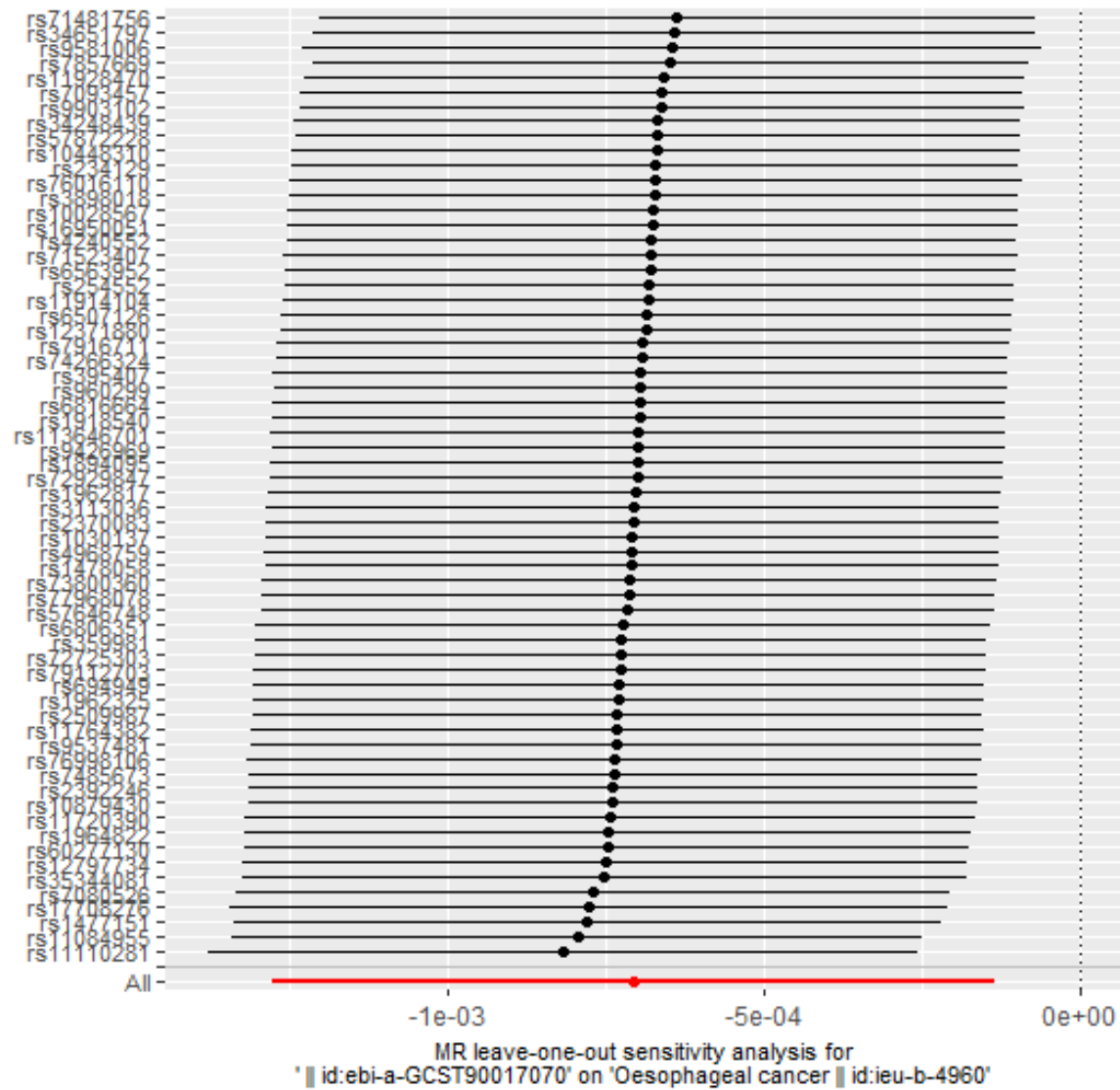
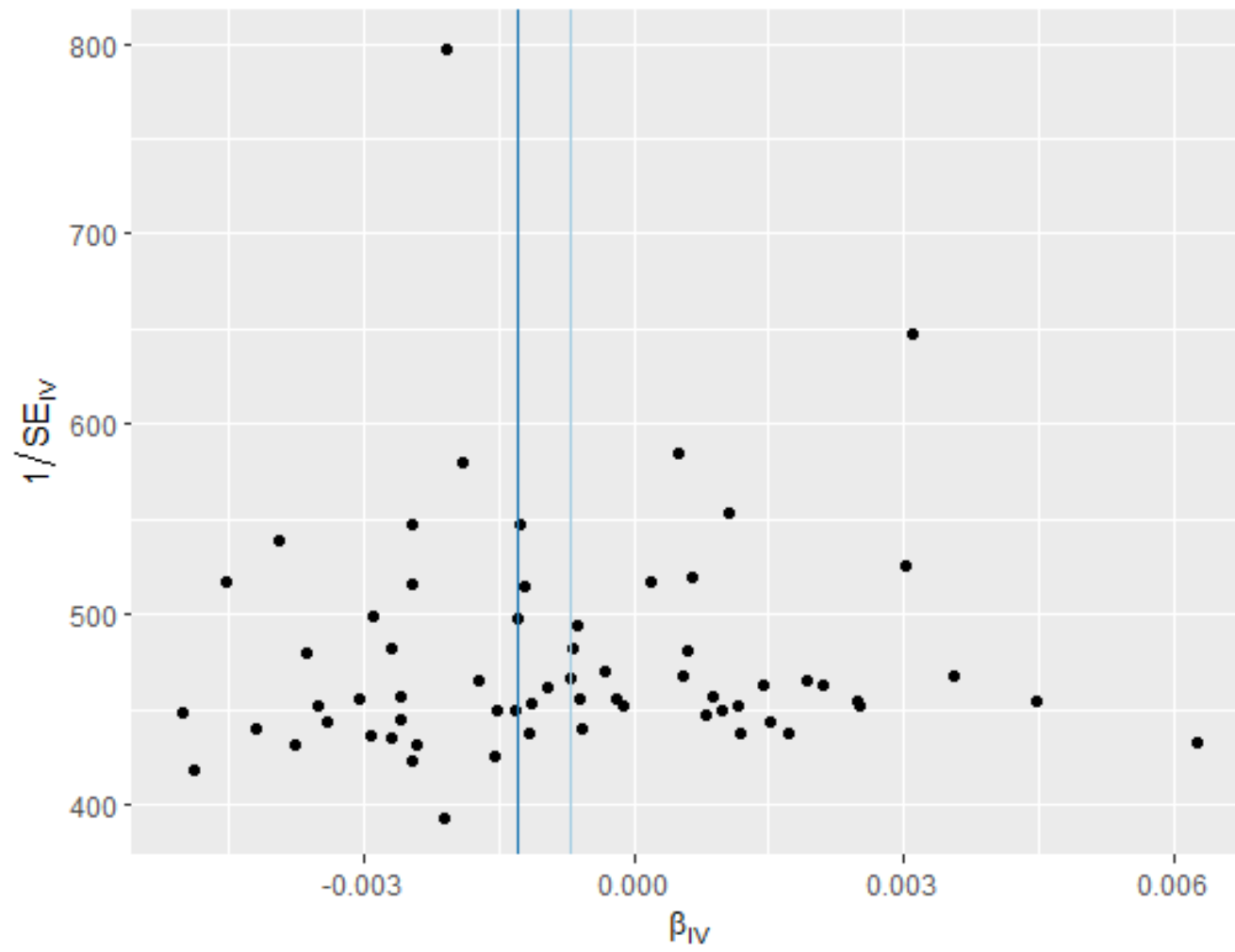


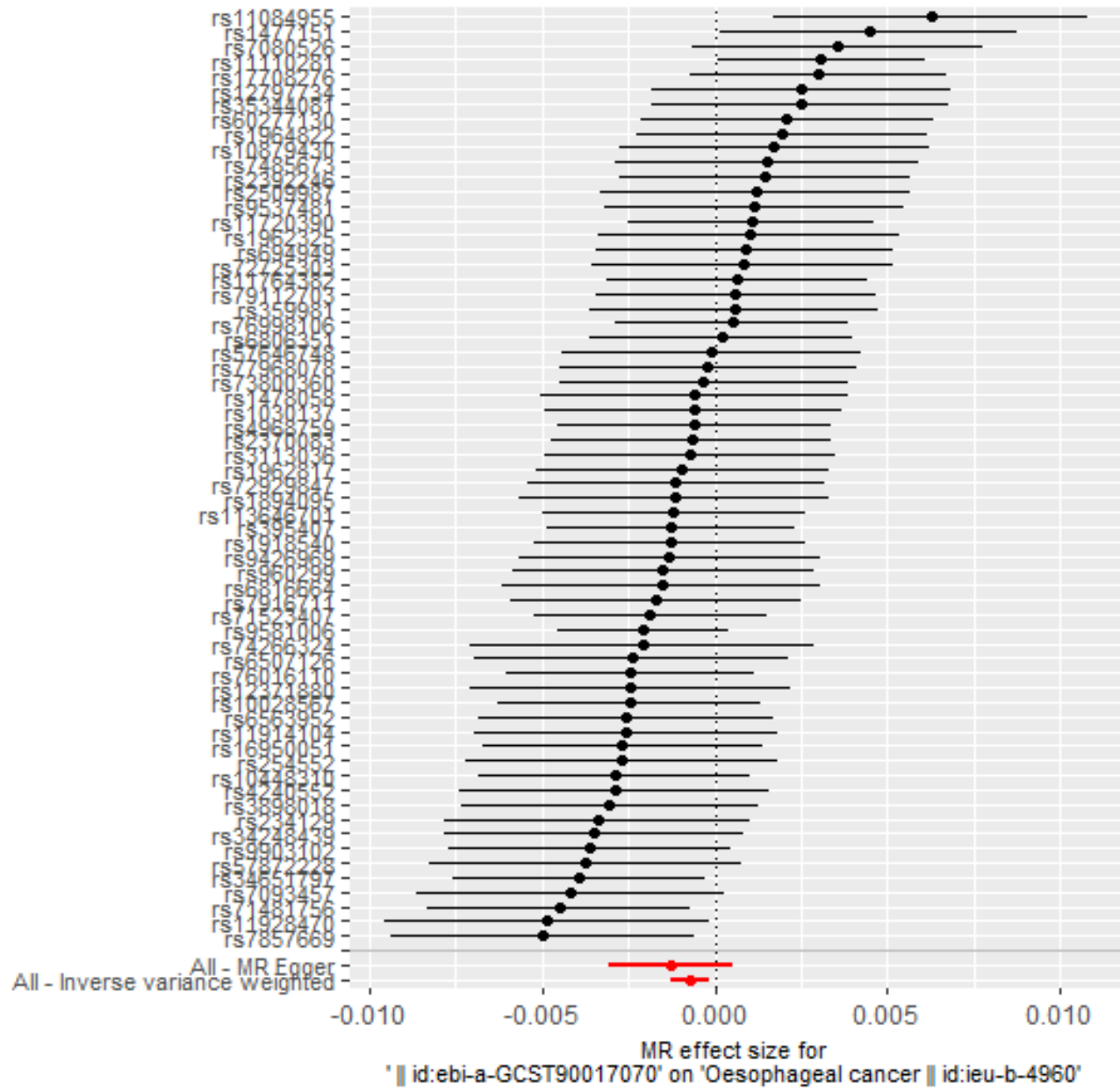
Figure 21 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Streptococcus id.1853) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

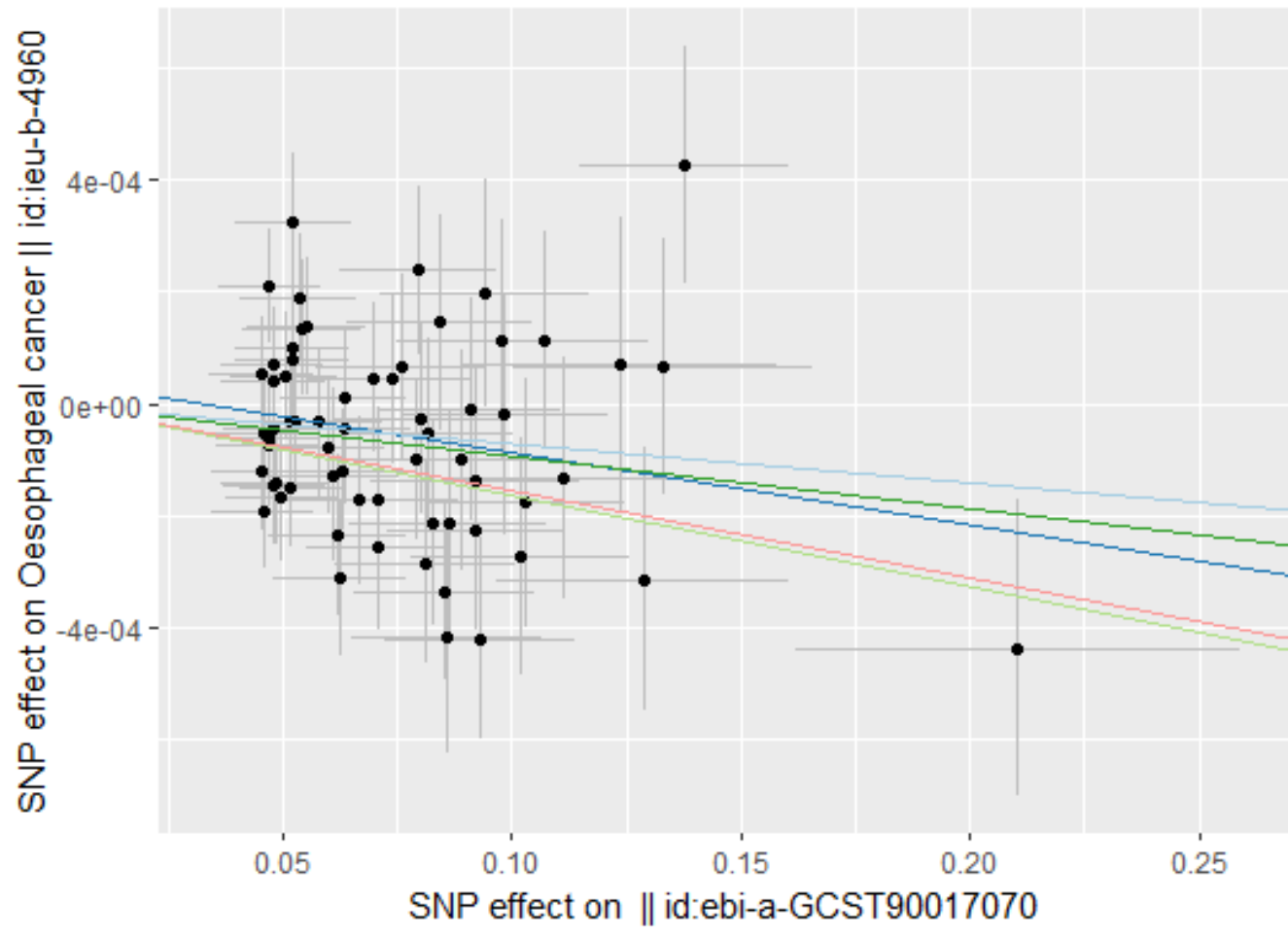
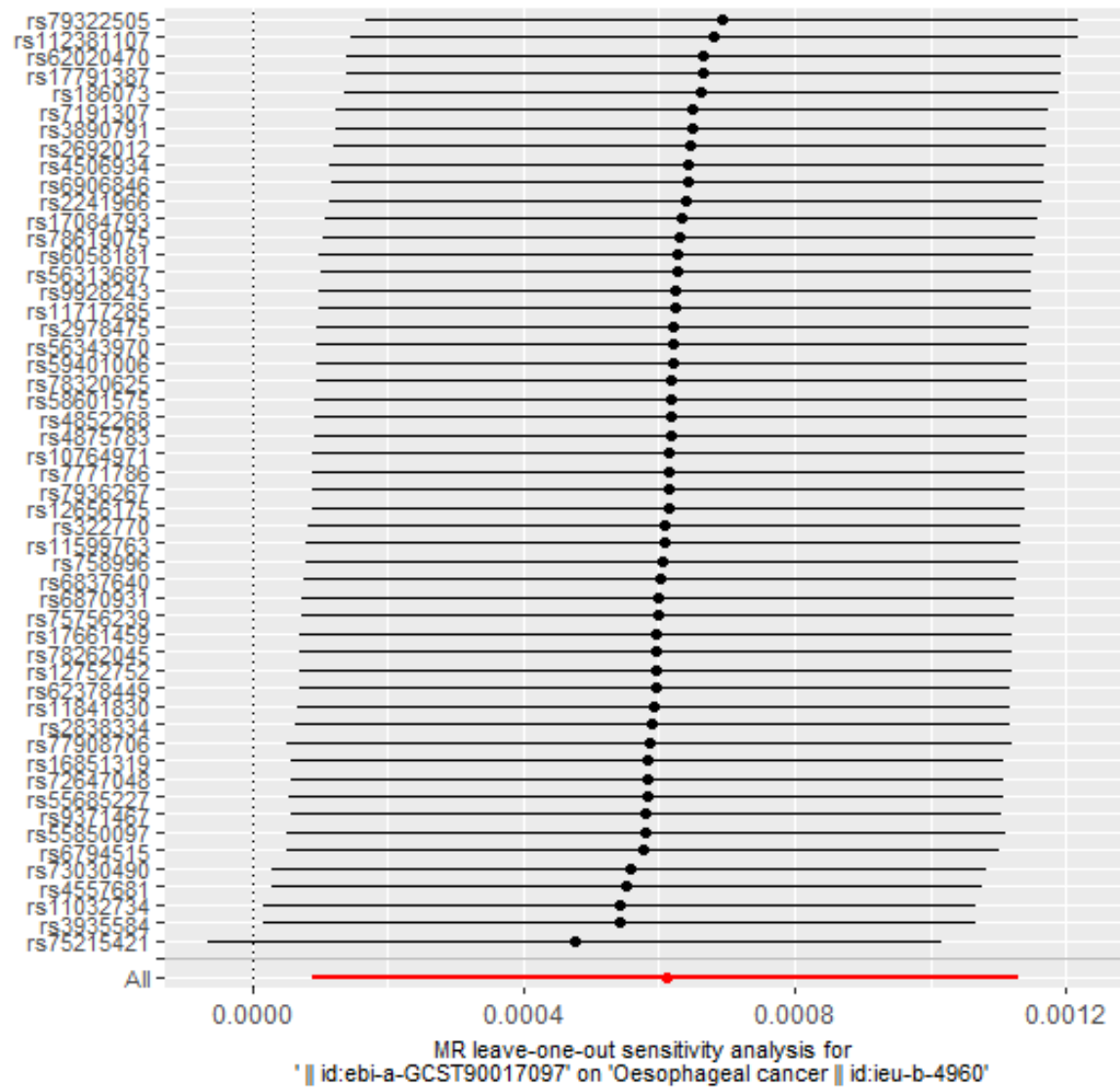
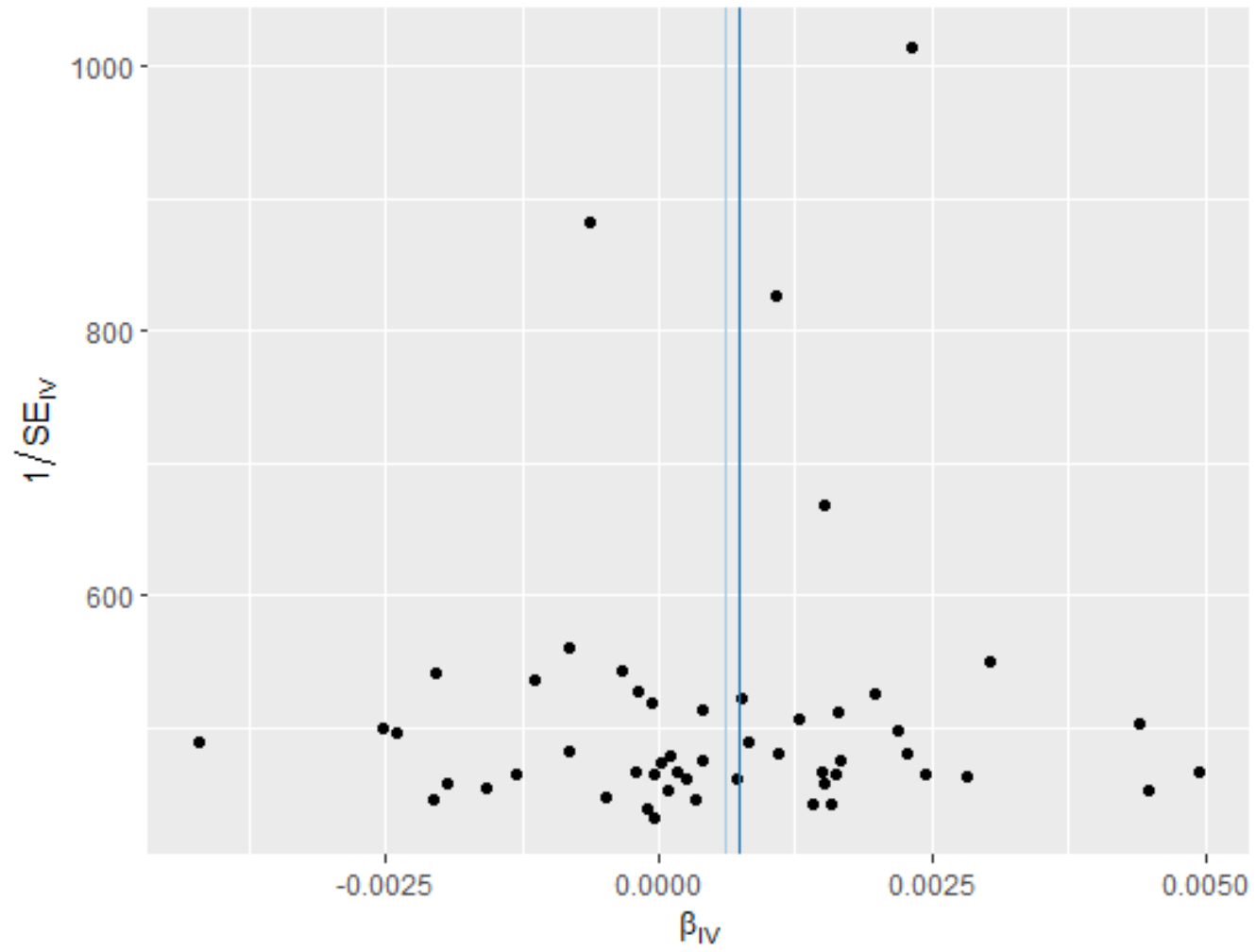


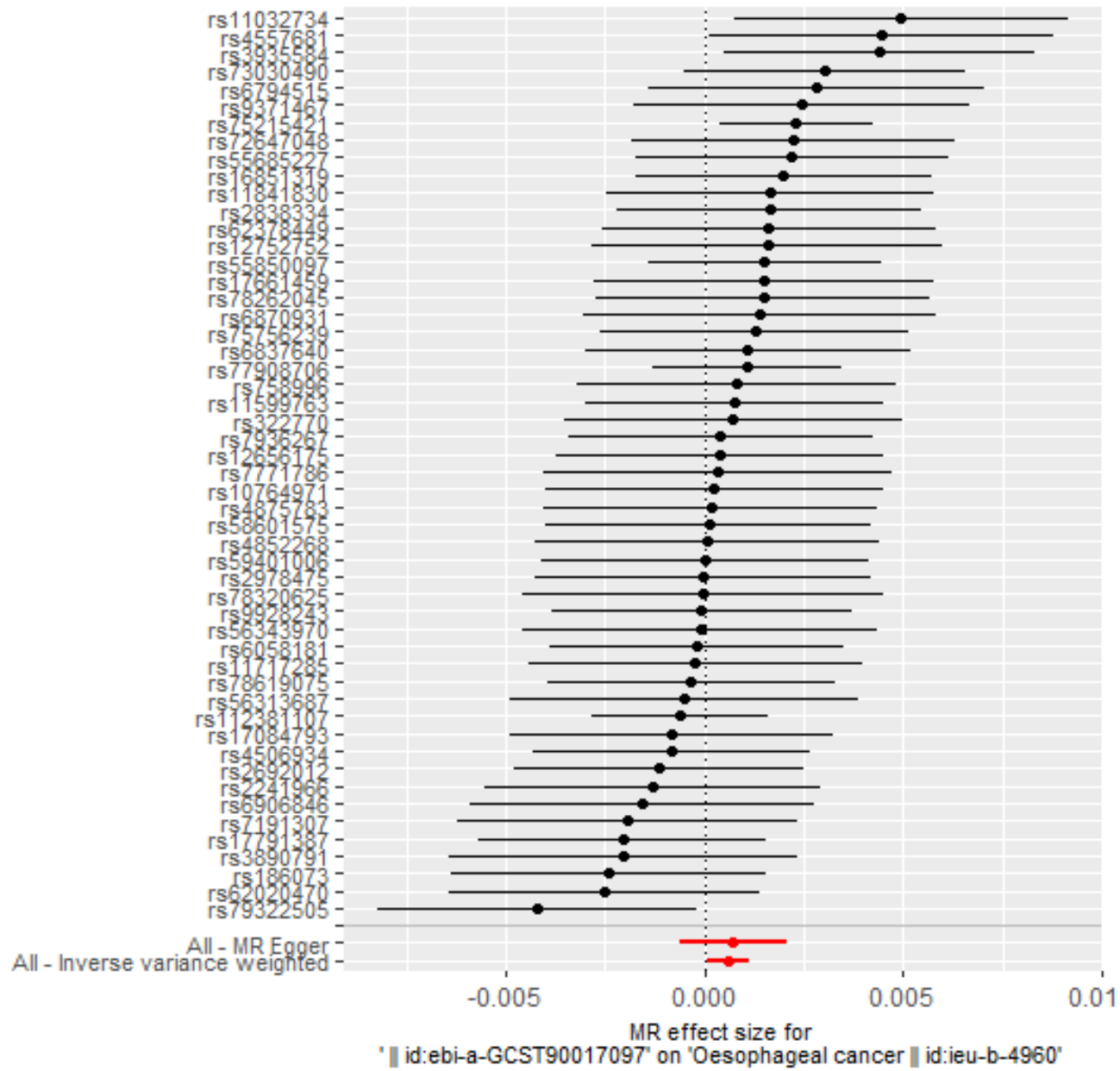
Figure 22 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Desulfovibrionales id.3156) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

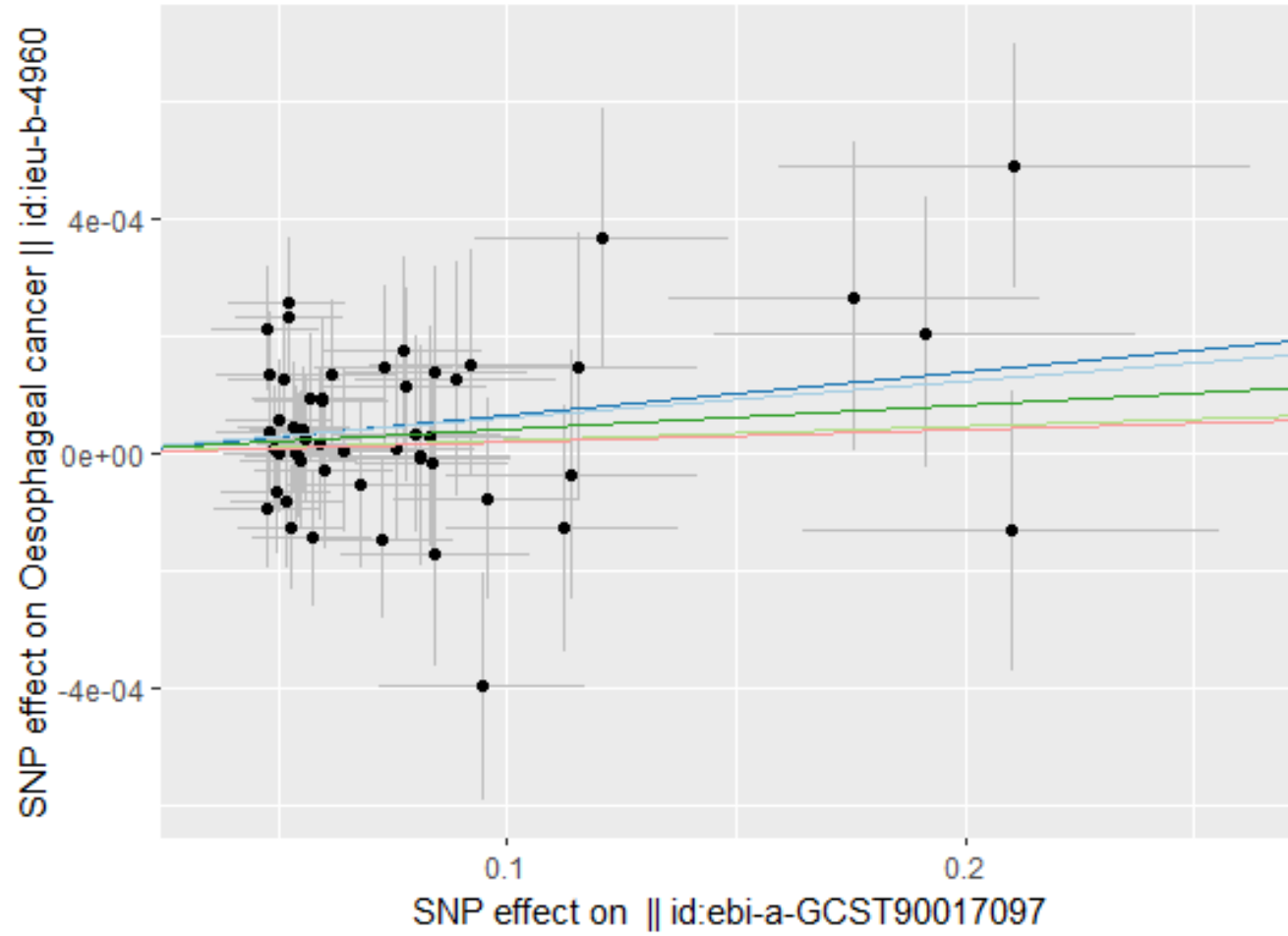
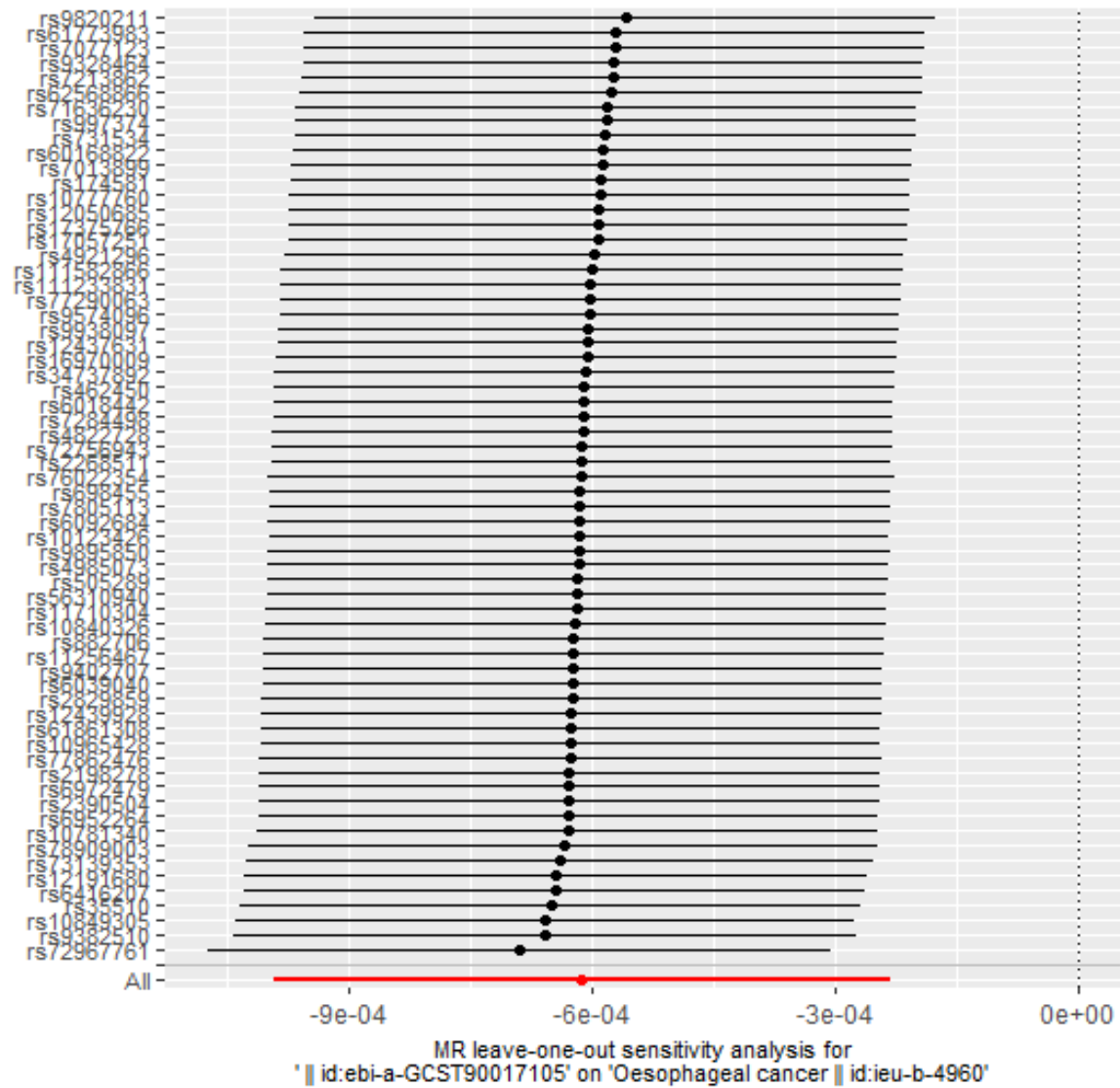
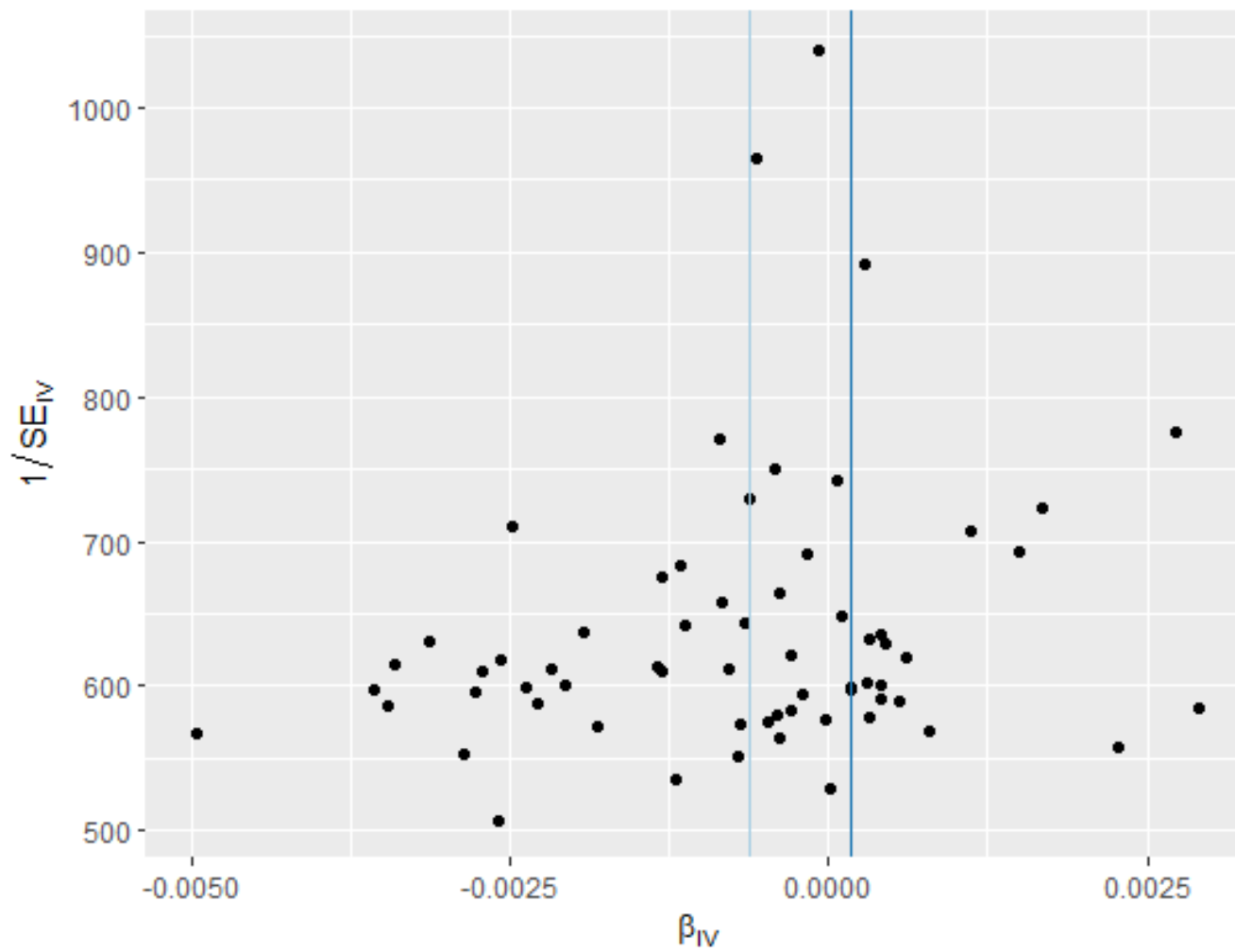


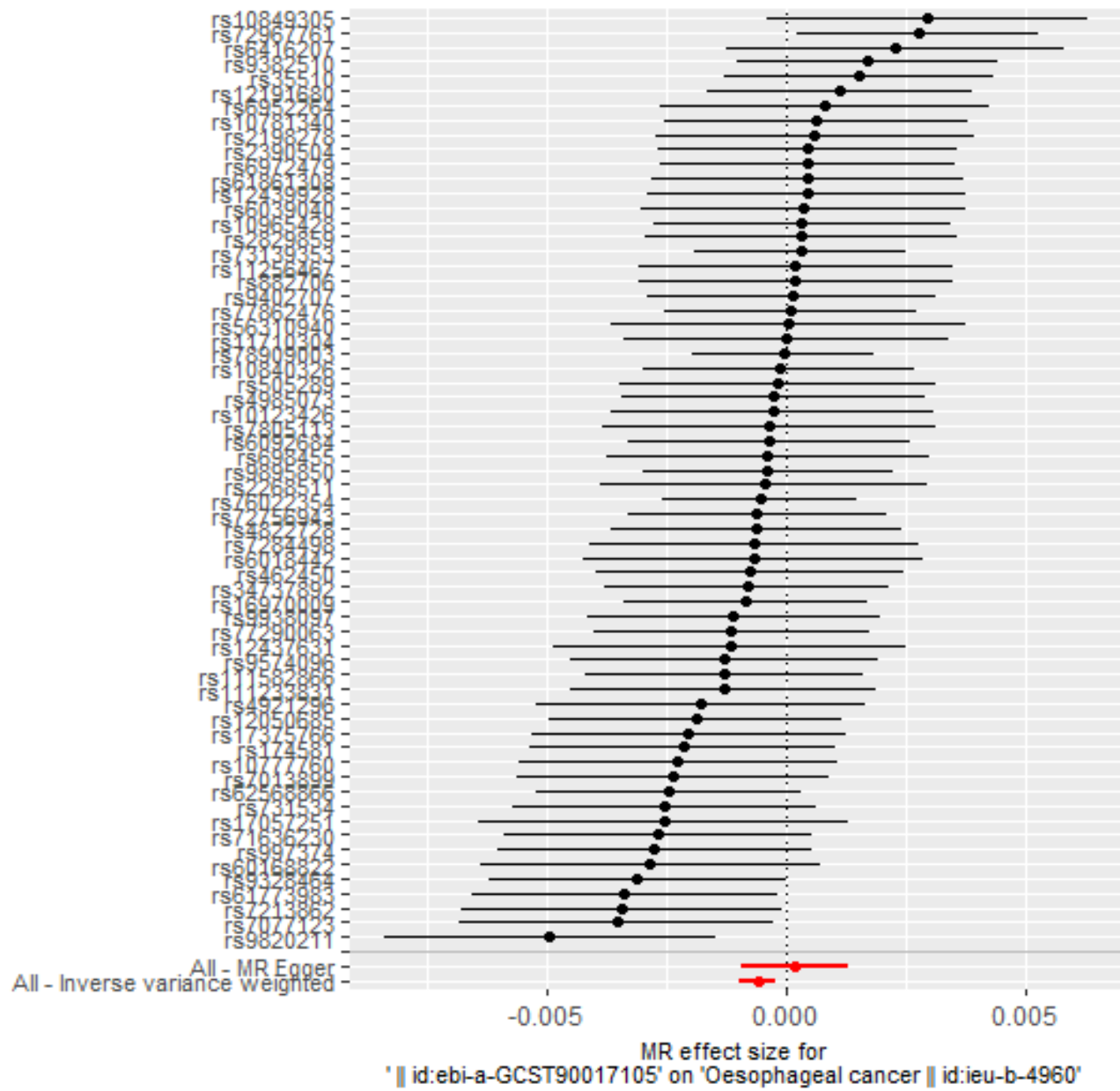
Figure 23 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Pasteurellales id.3688) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

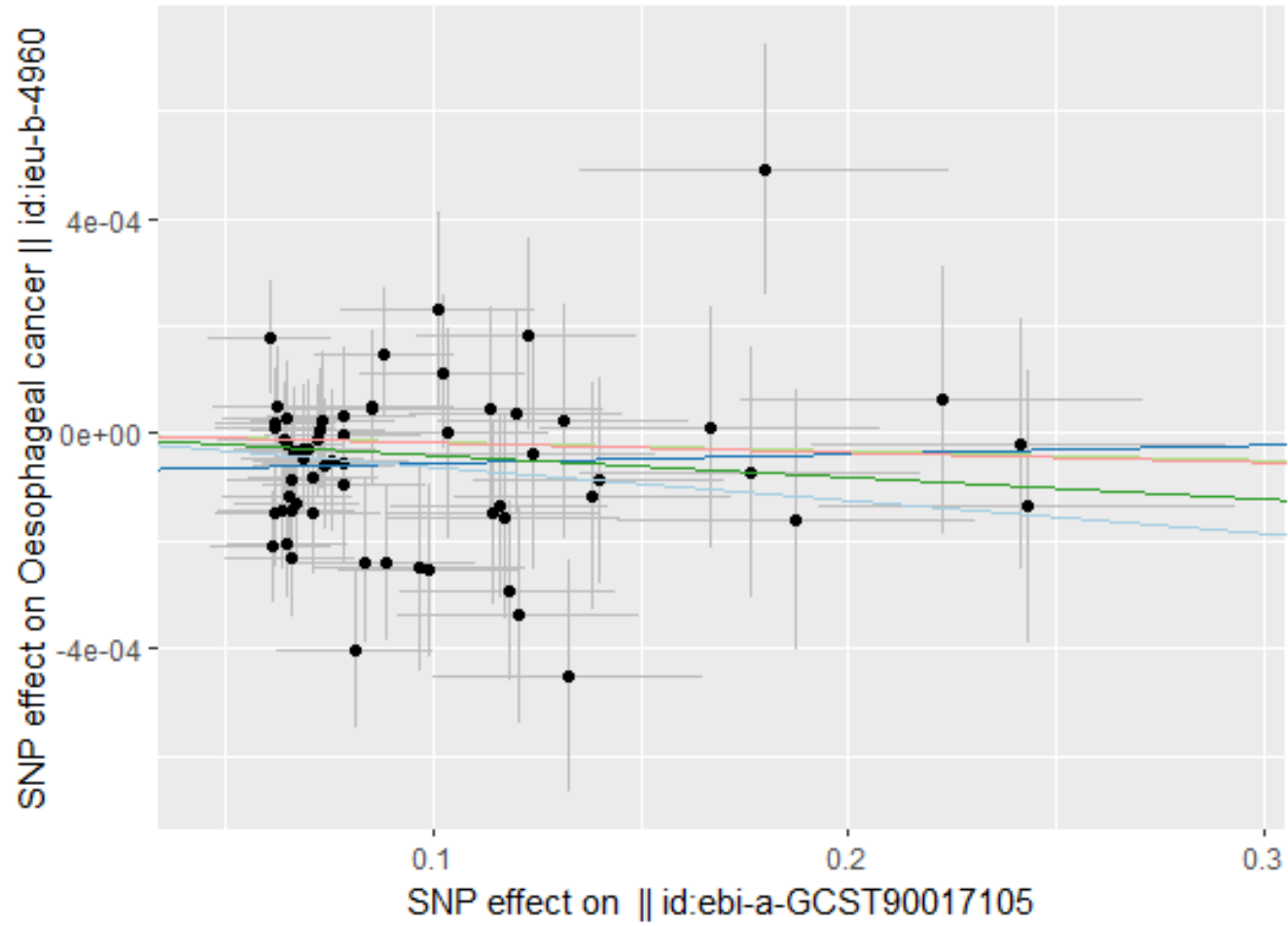
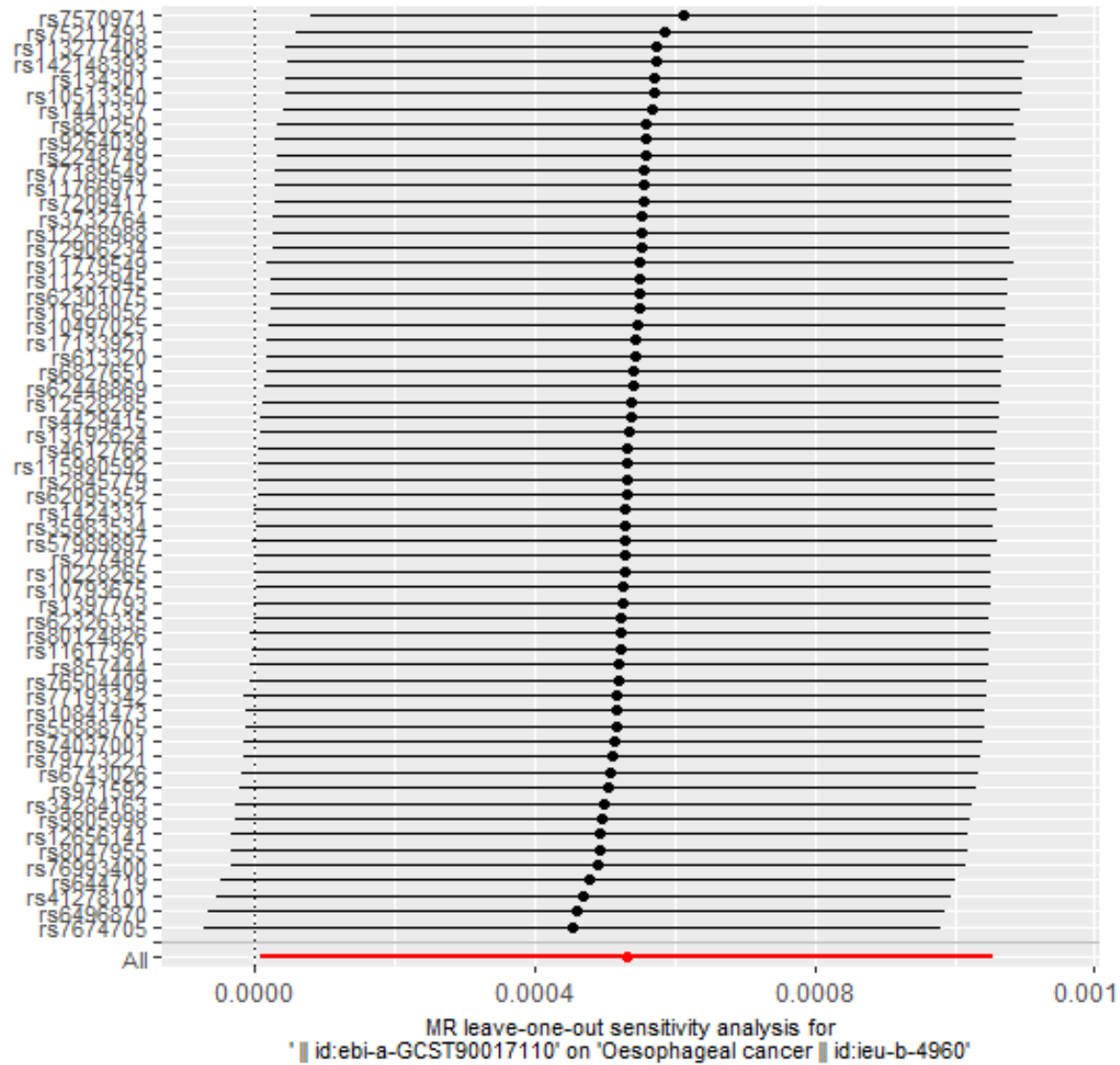
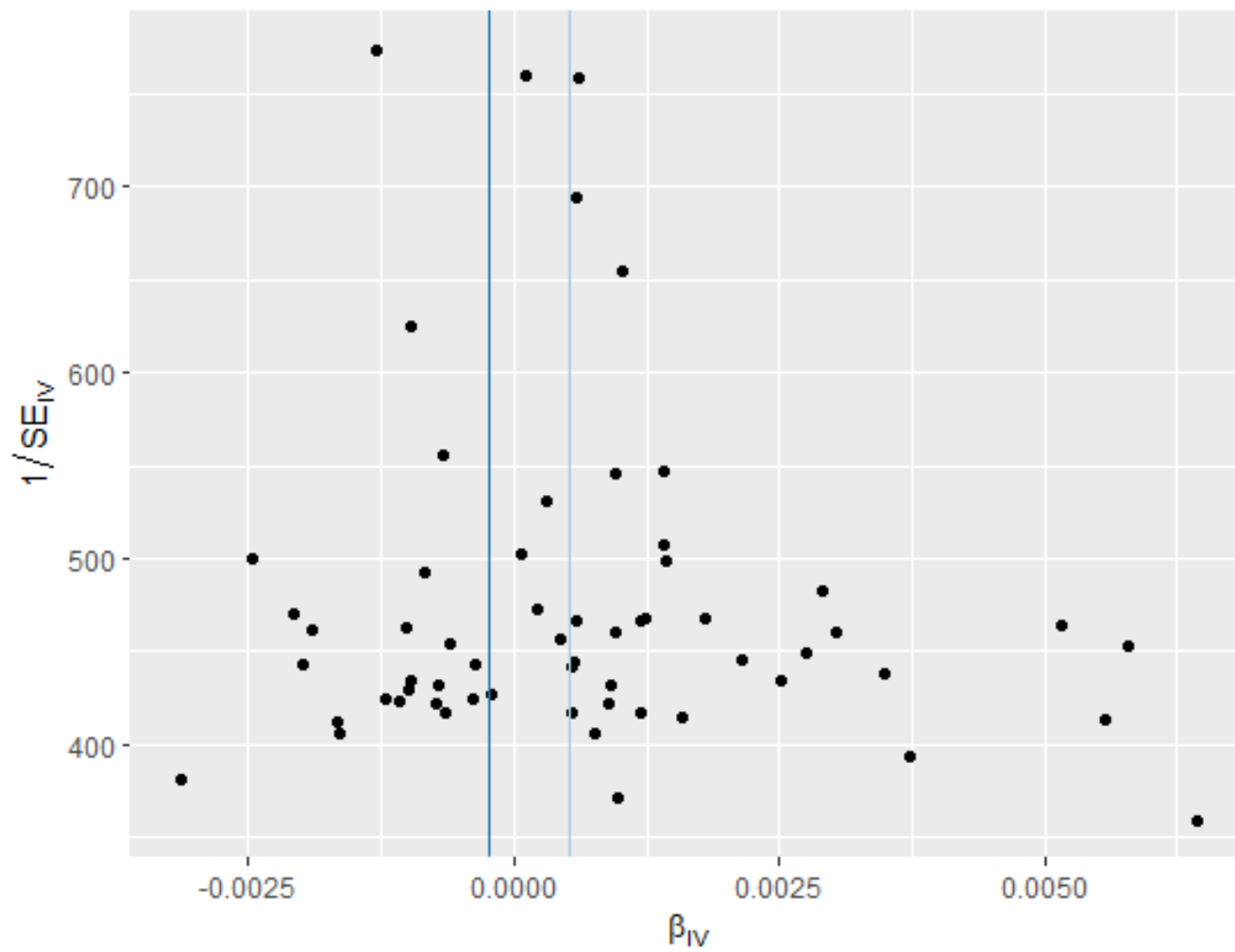


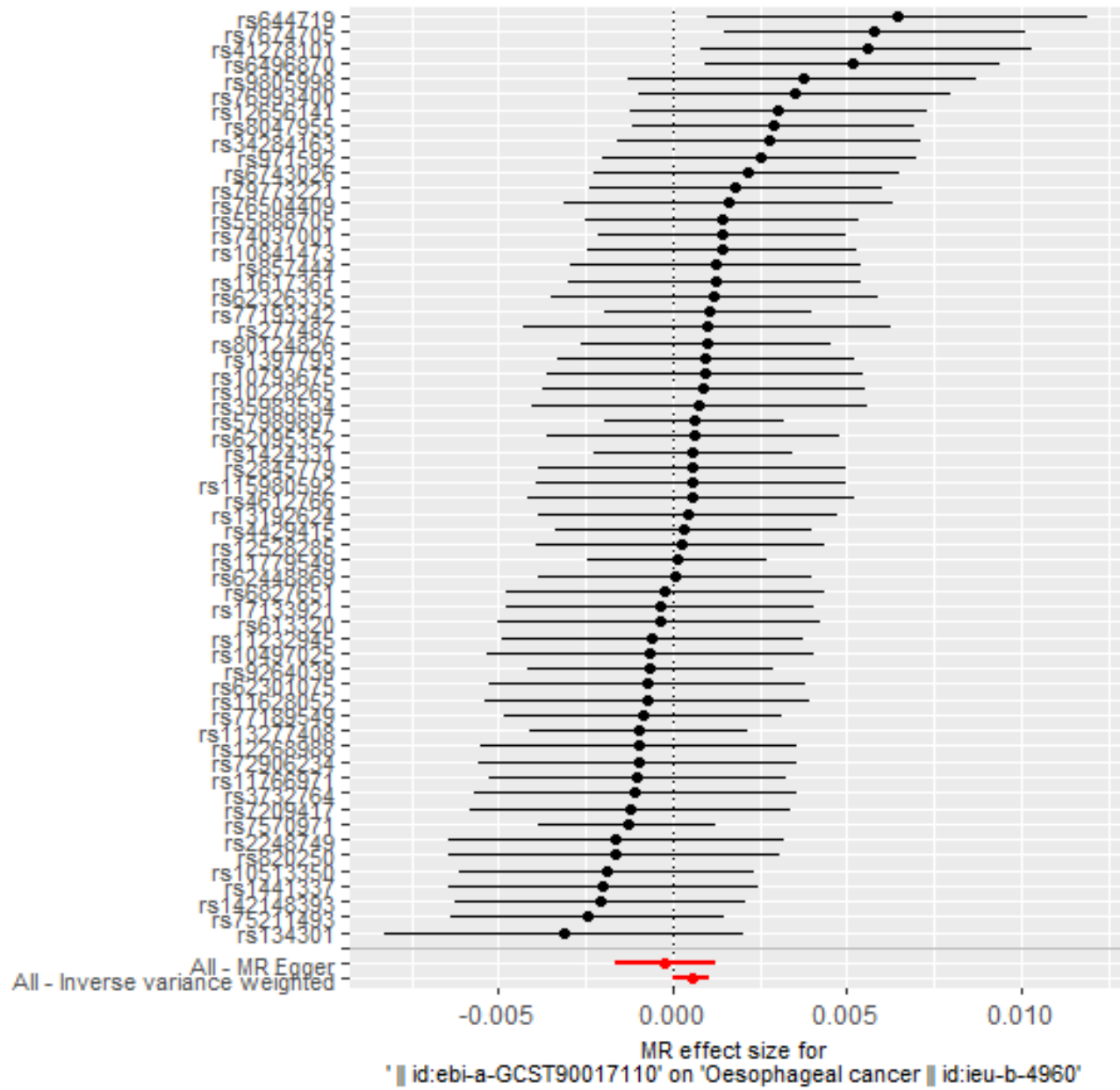
Figure 24 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Actinobacteria id.400) on oesophageal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

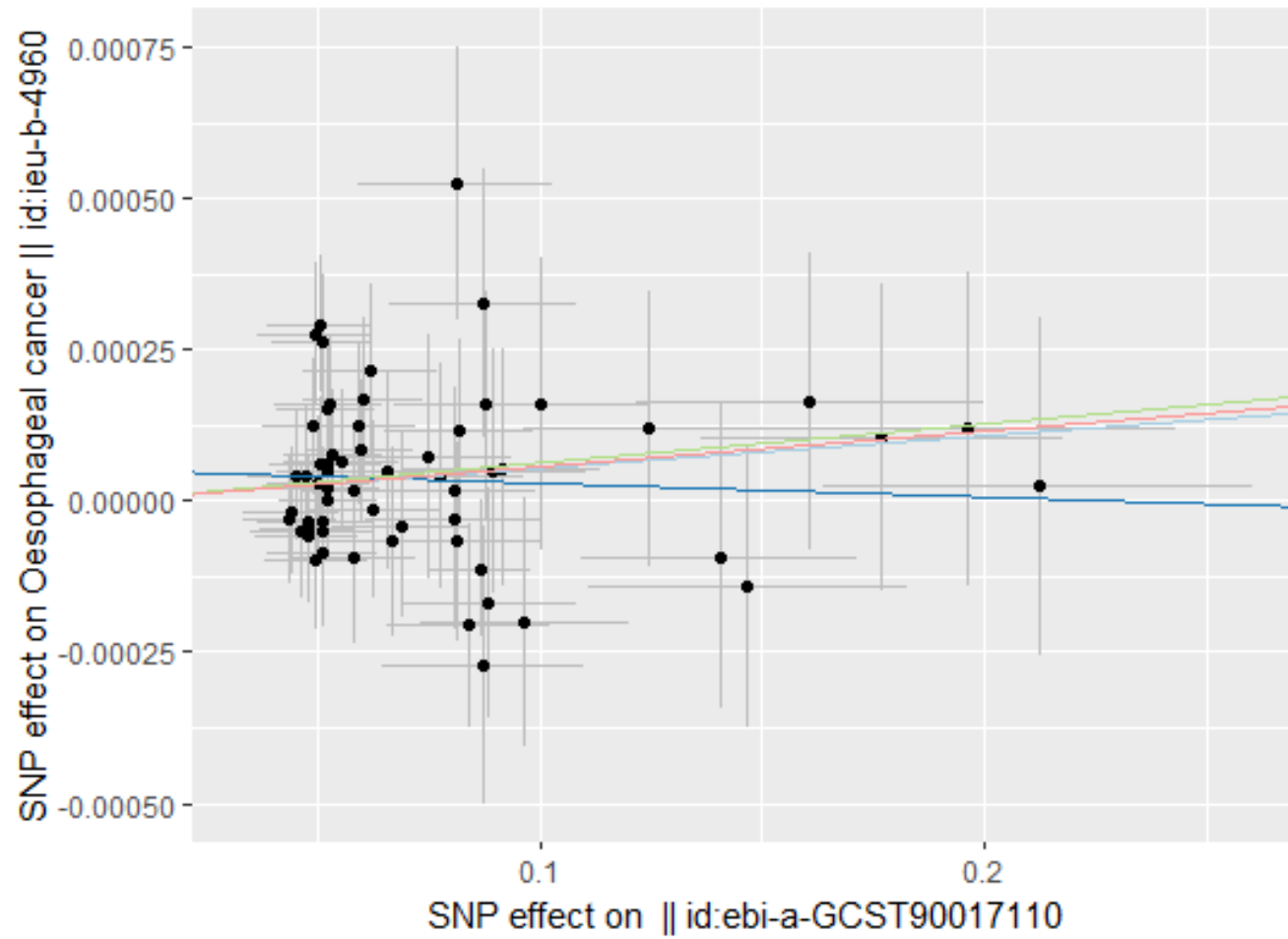
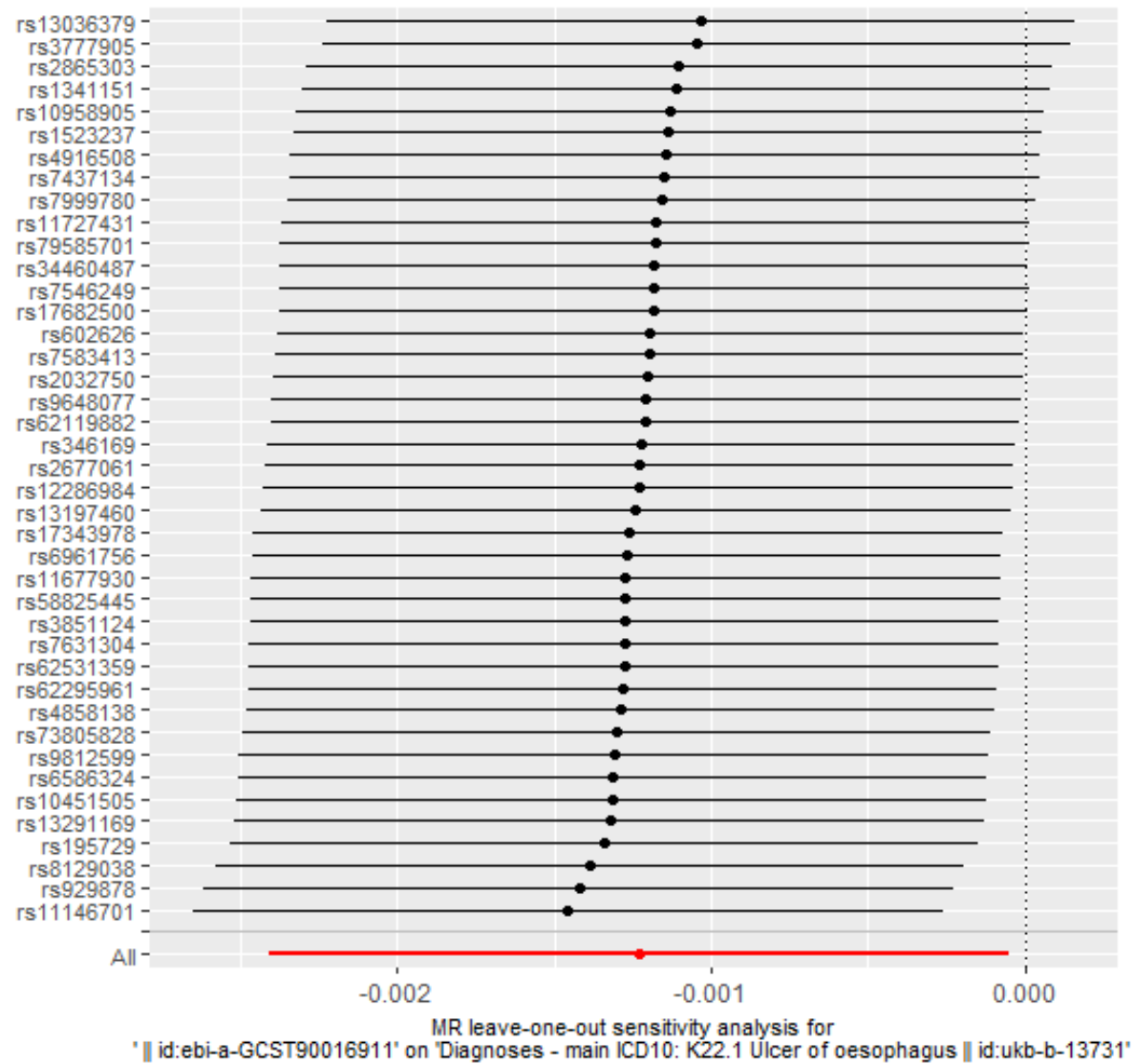
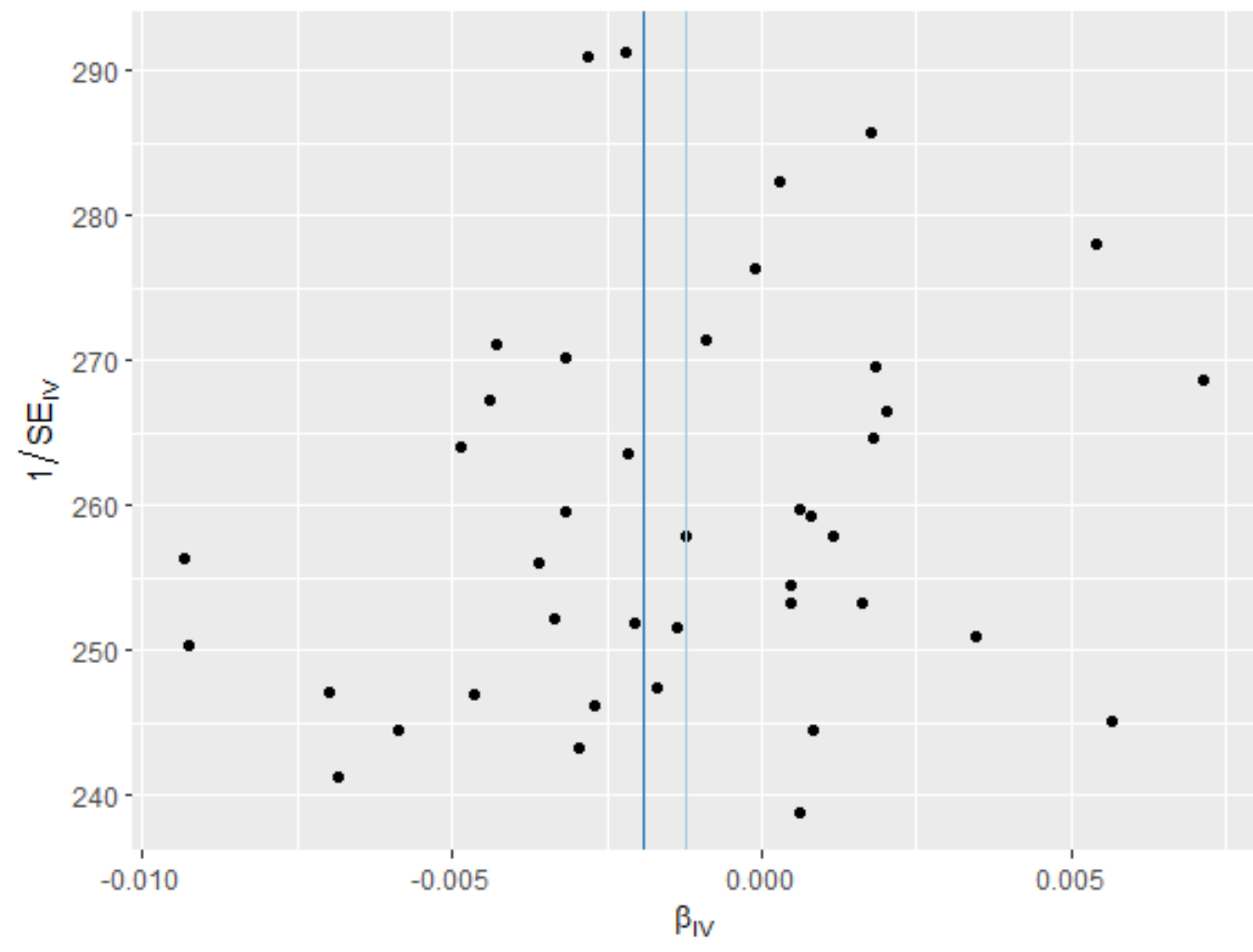


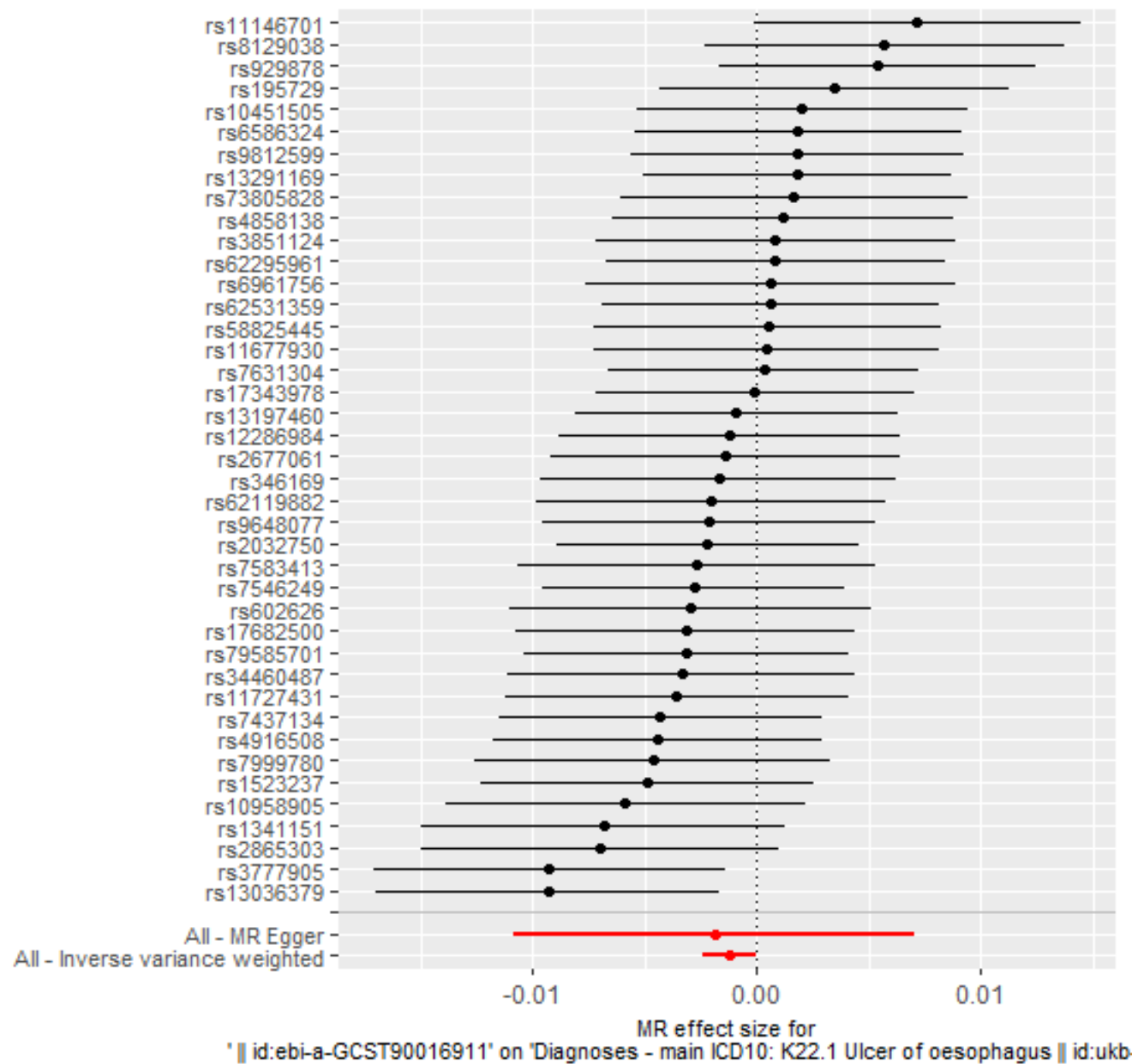
Figure 25 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Bacteroidia id.912) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





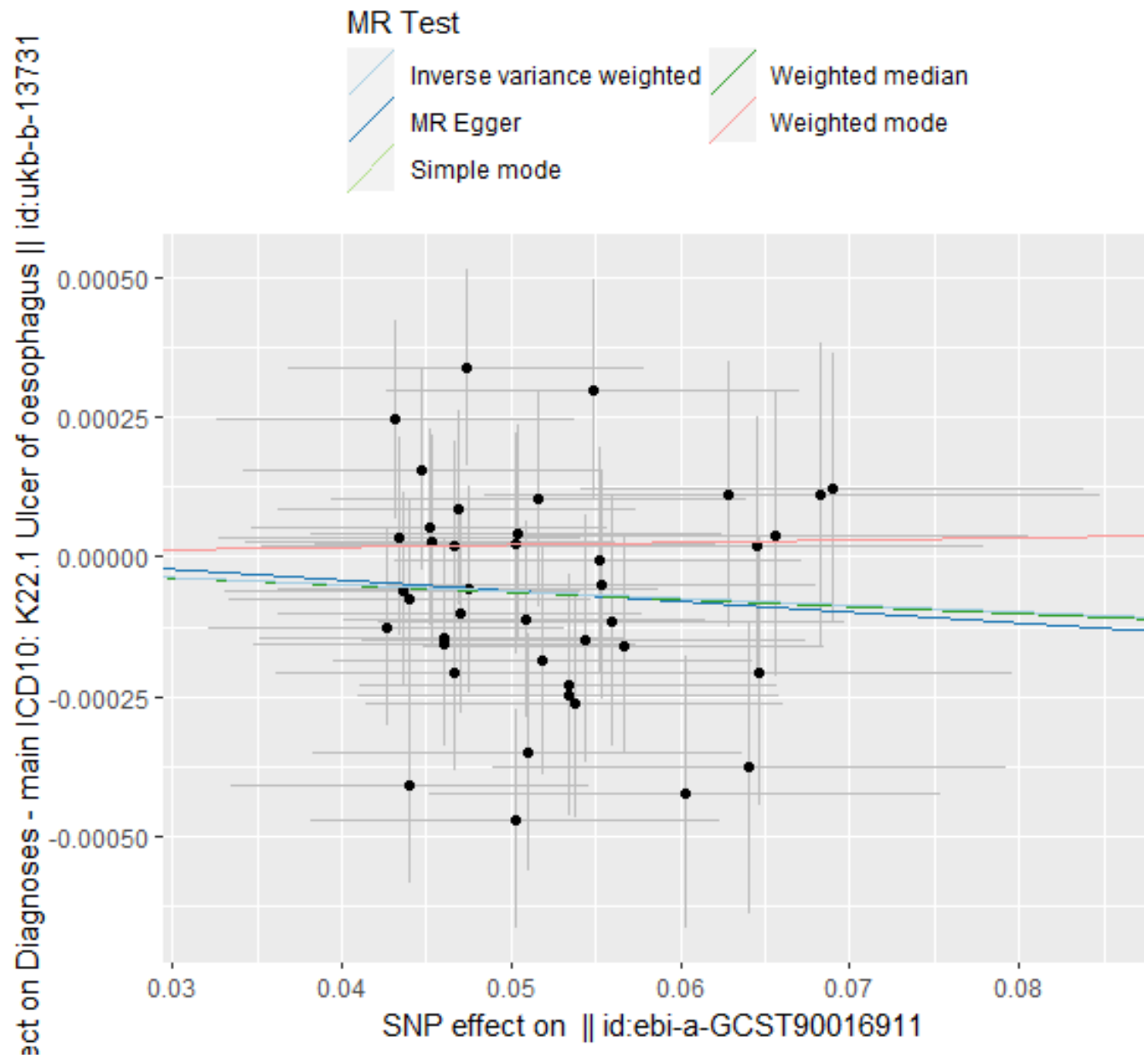
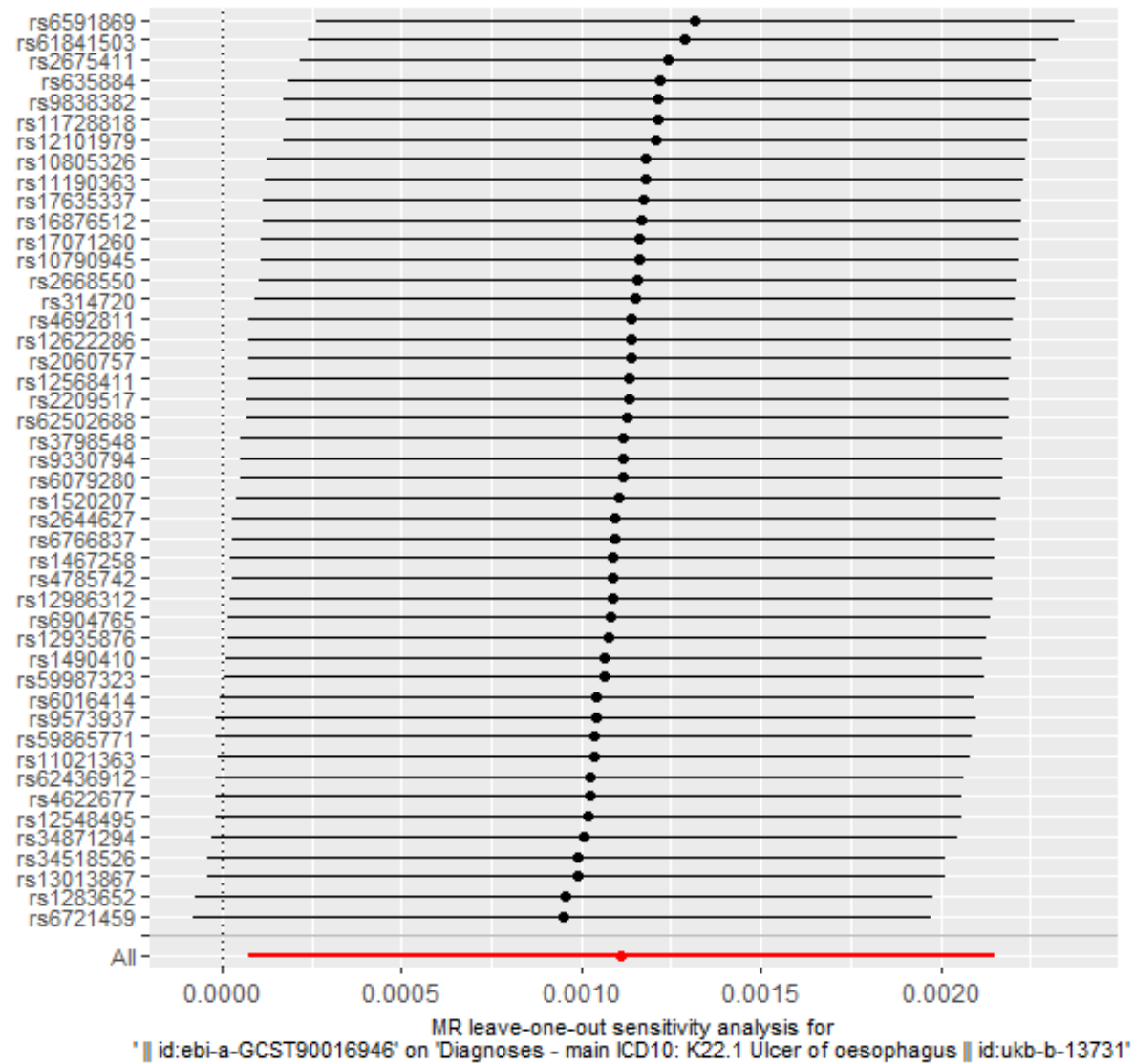
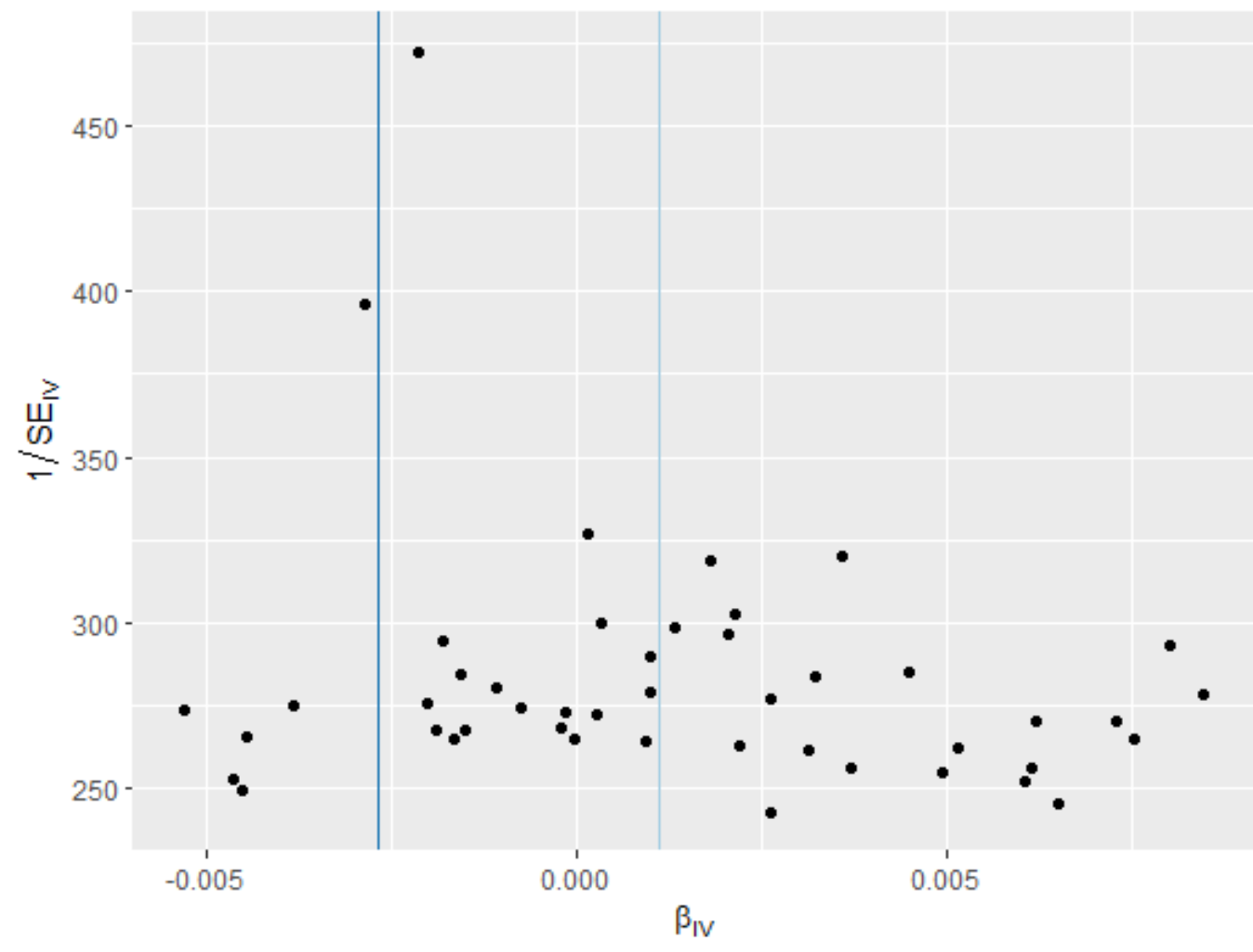


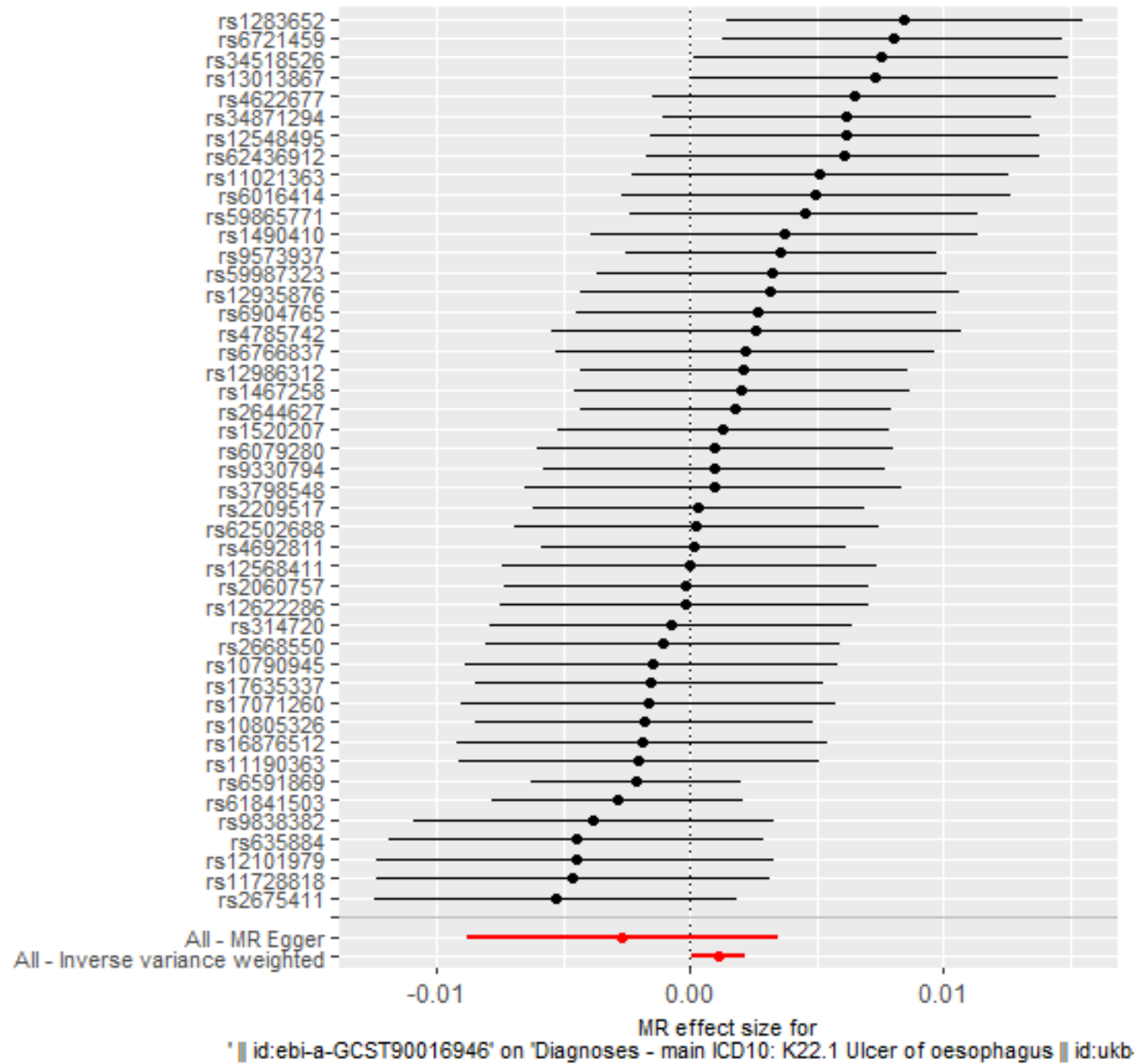
Figure 26 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Peptostreptococcaceae id.2042) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

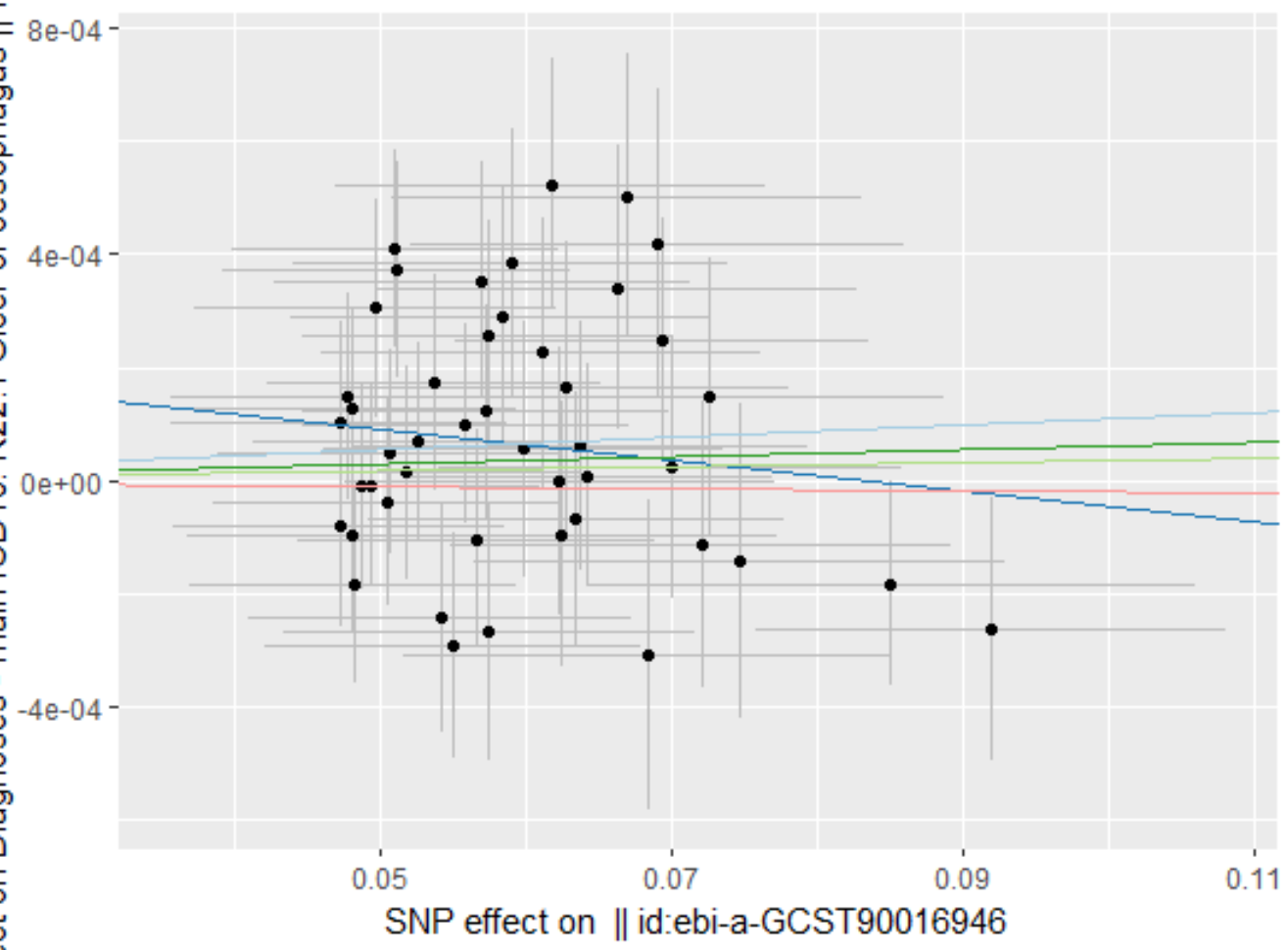
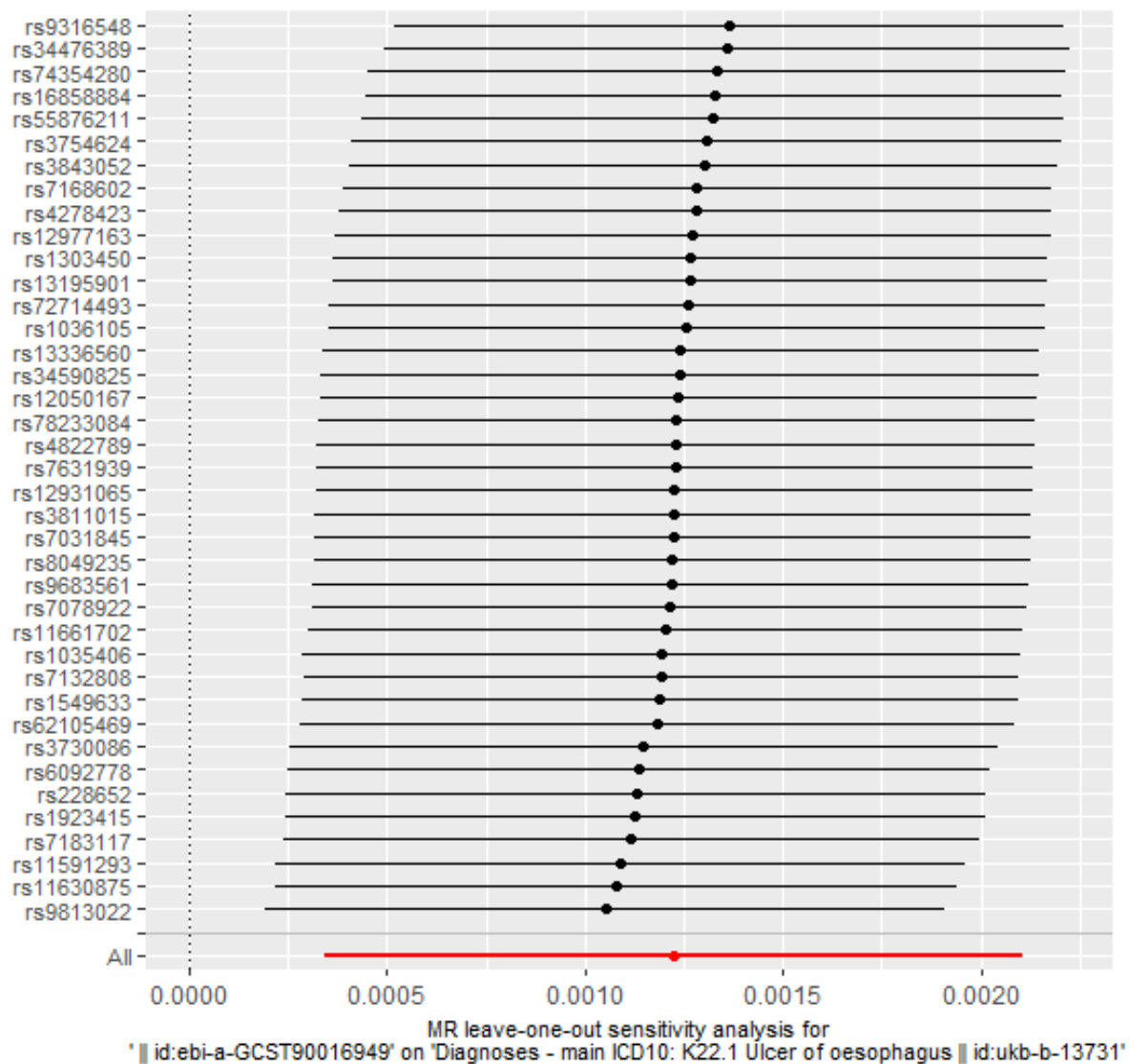
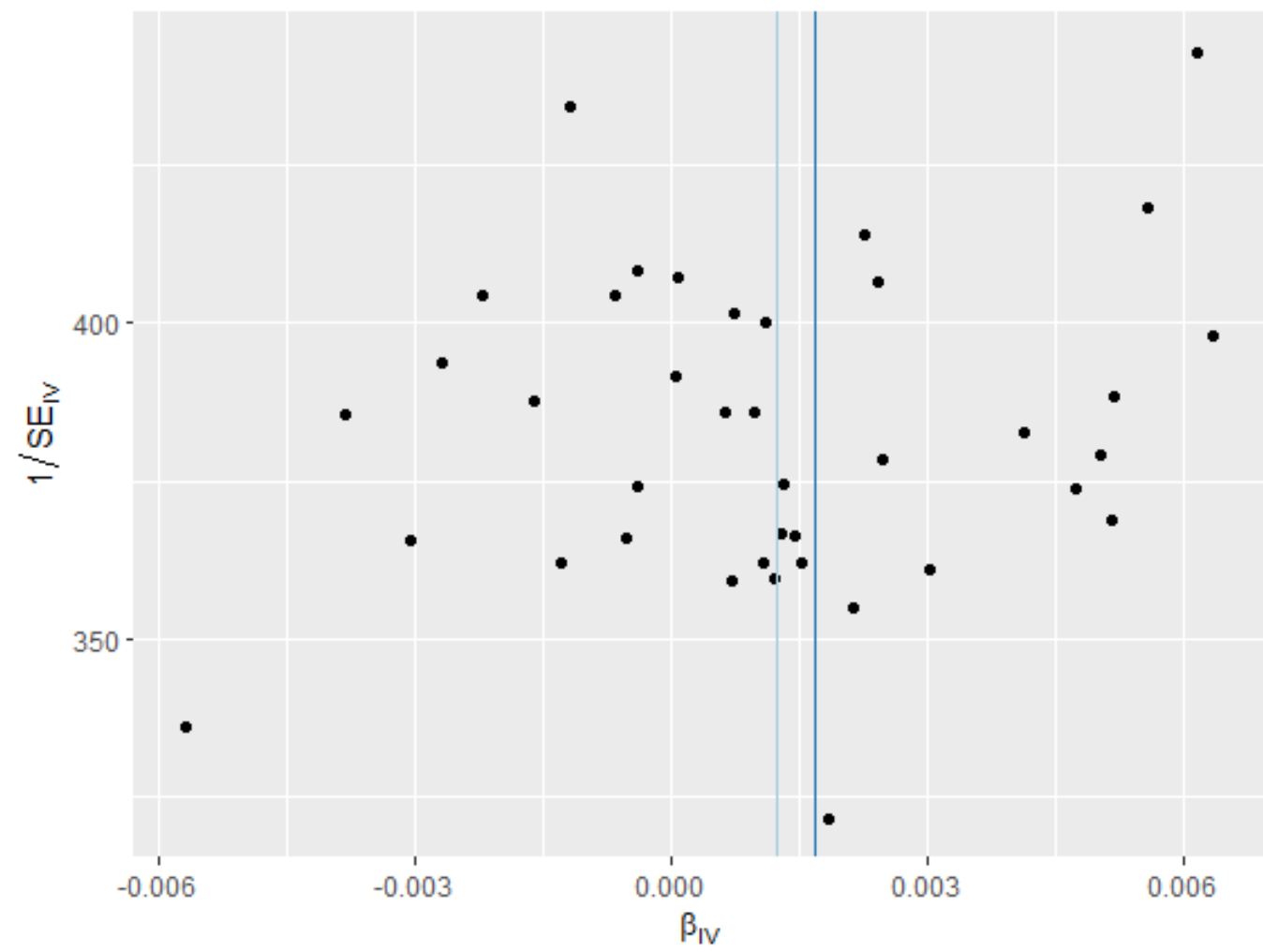


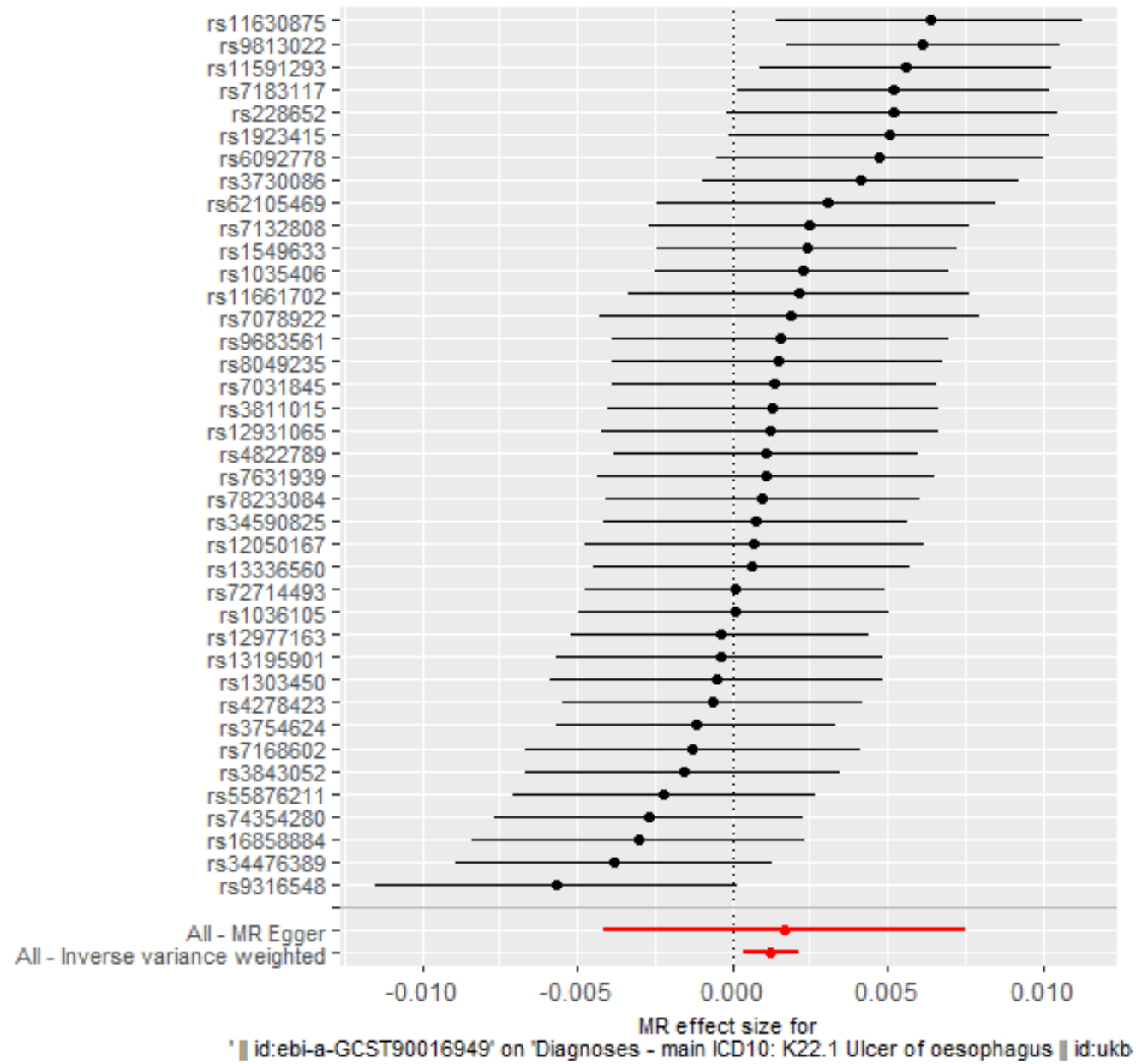
Figure 27 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Rhodospirillaceae id.2717) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

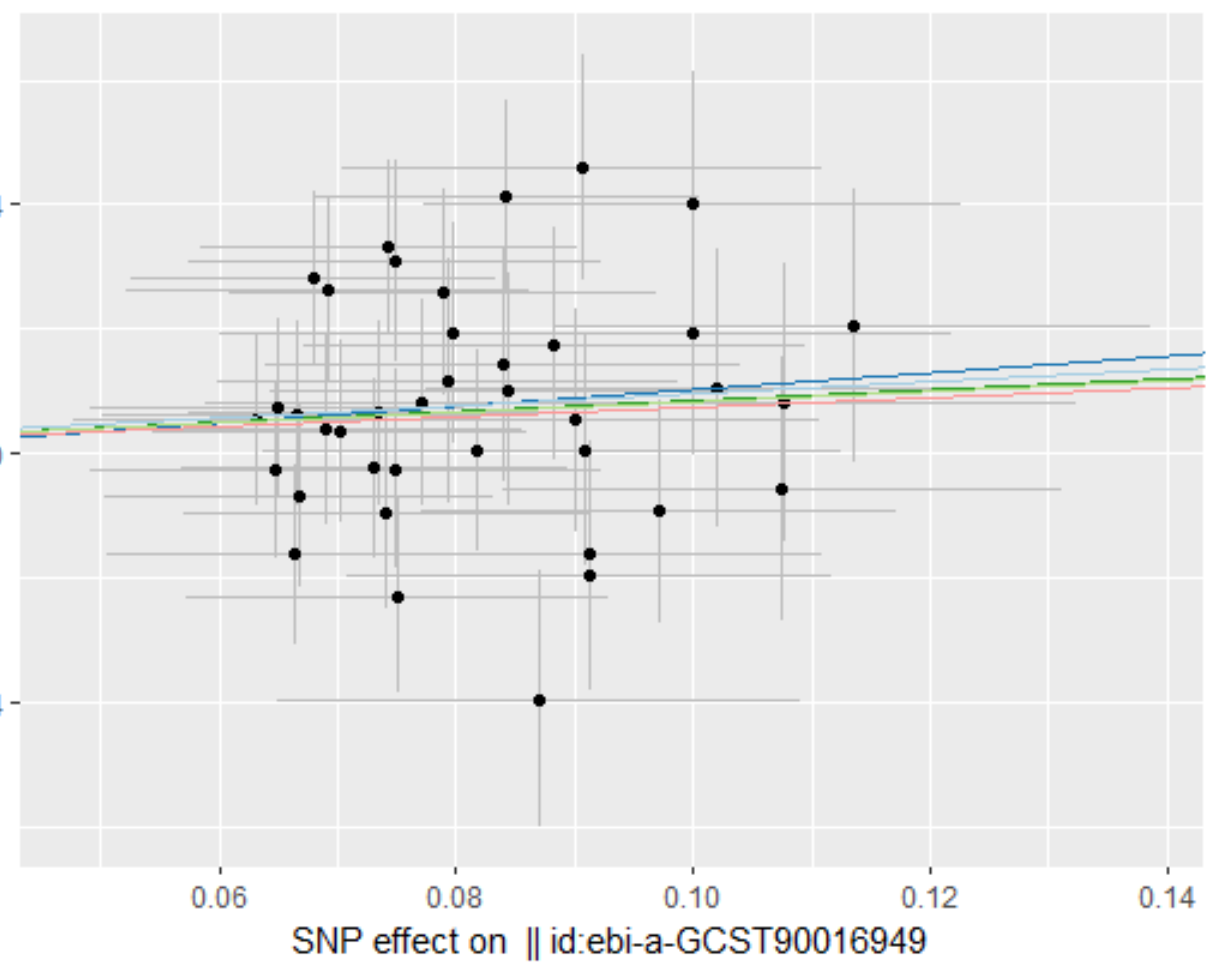
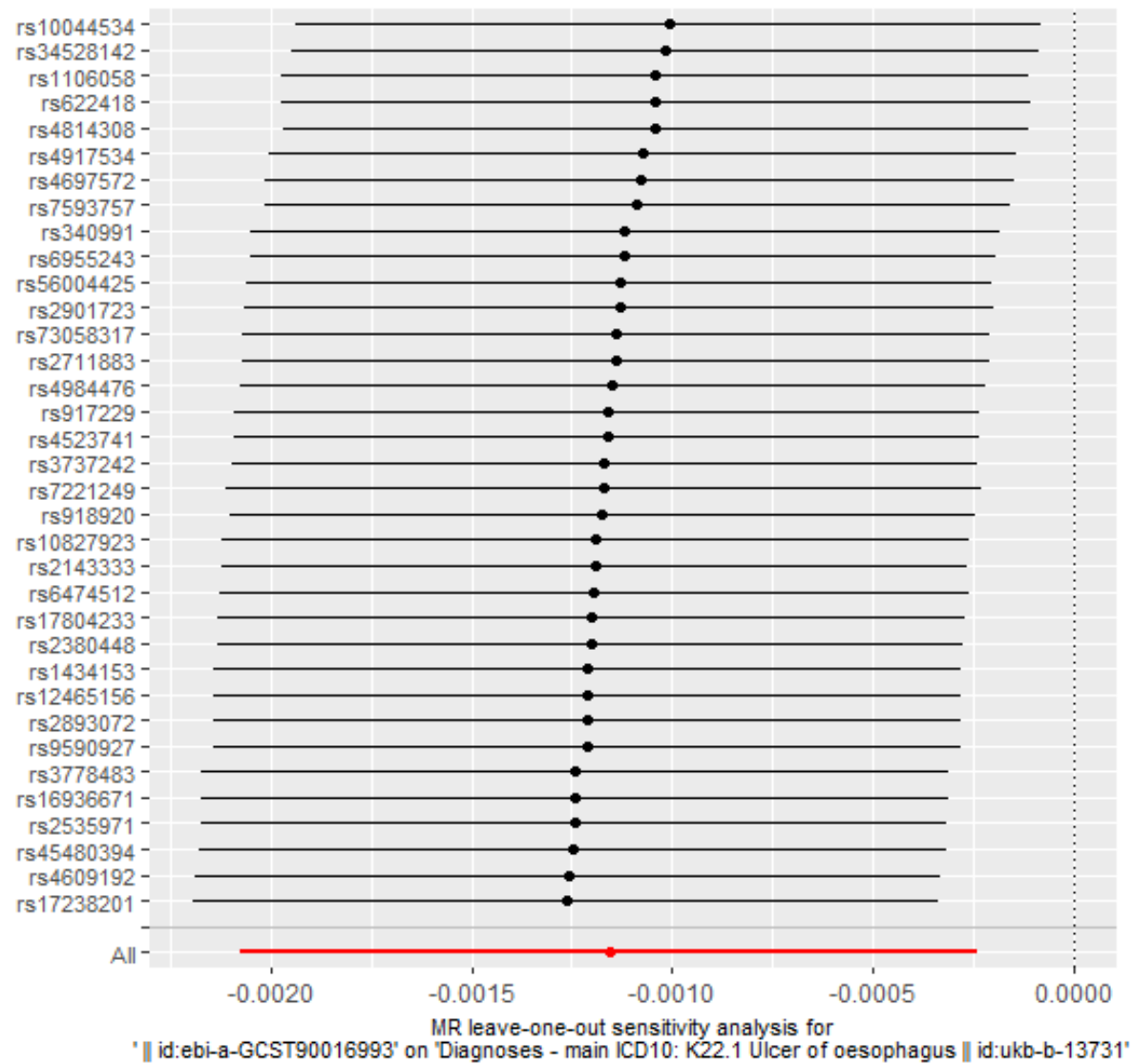
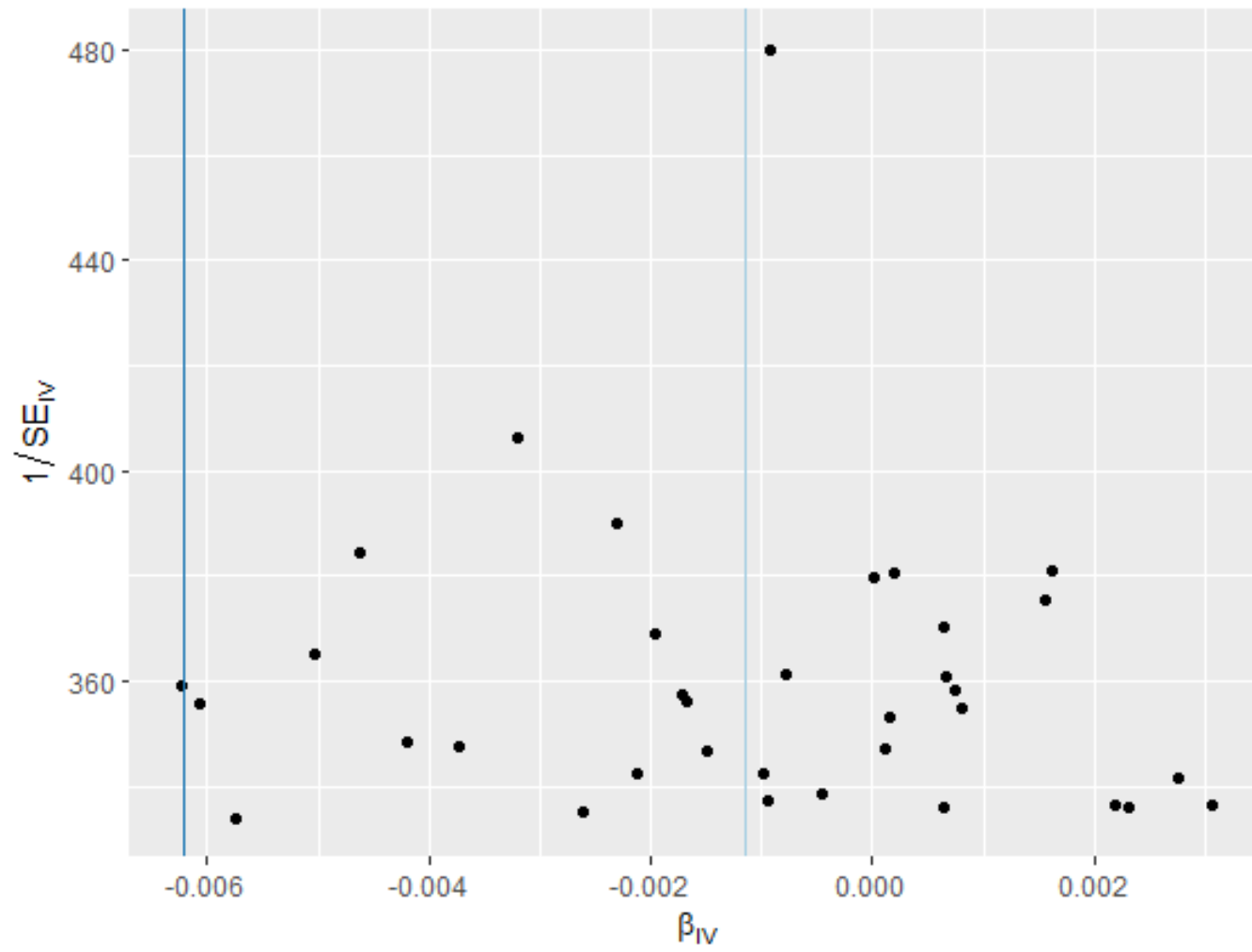


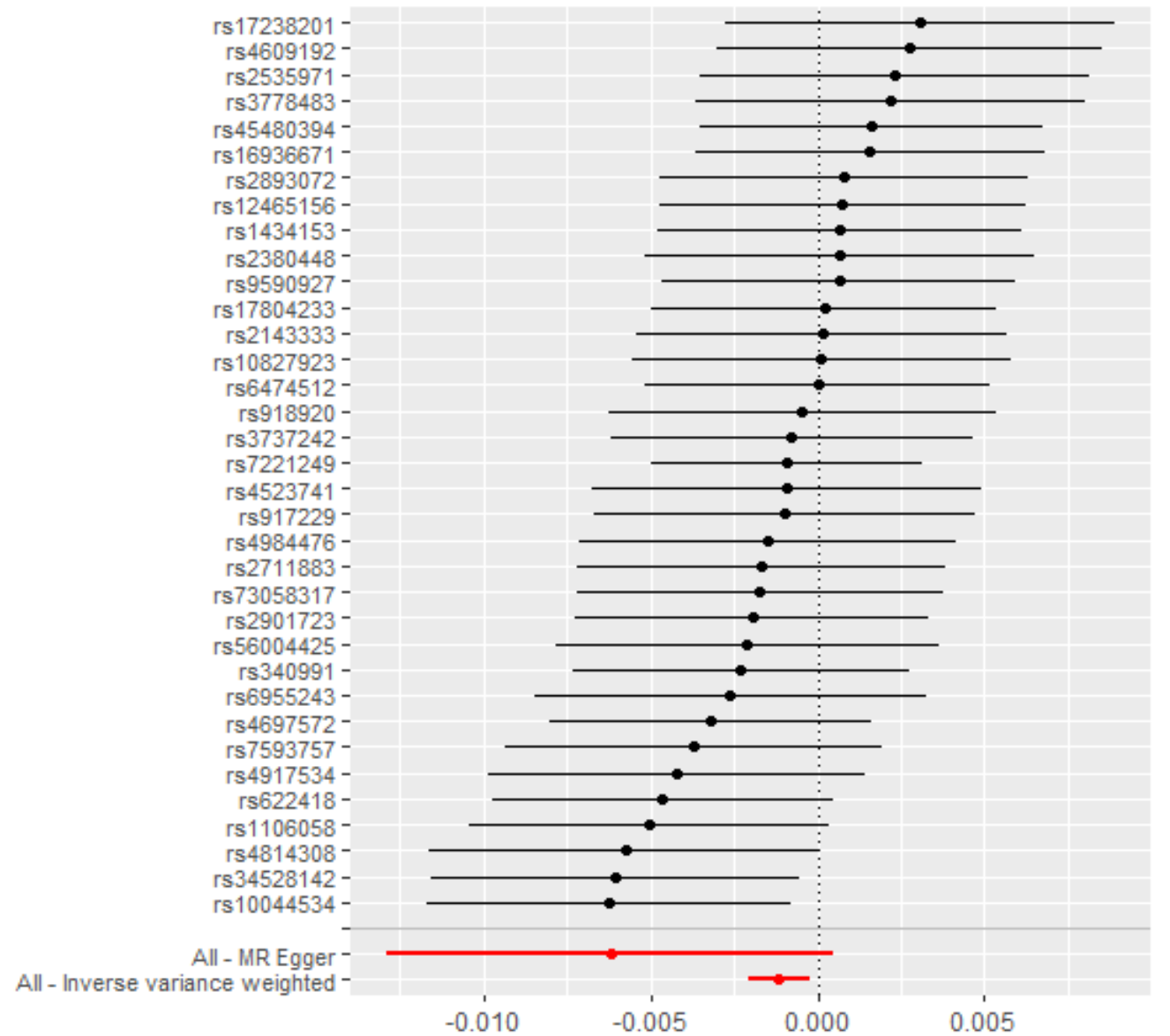
Figure 28 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Erysipelatoclostridium id.11381) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90016993' on 'Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb

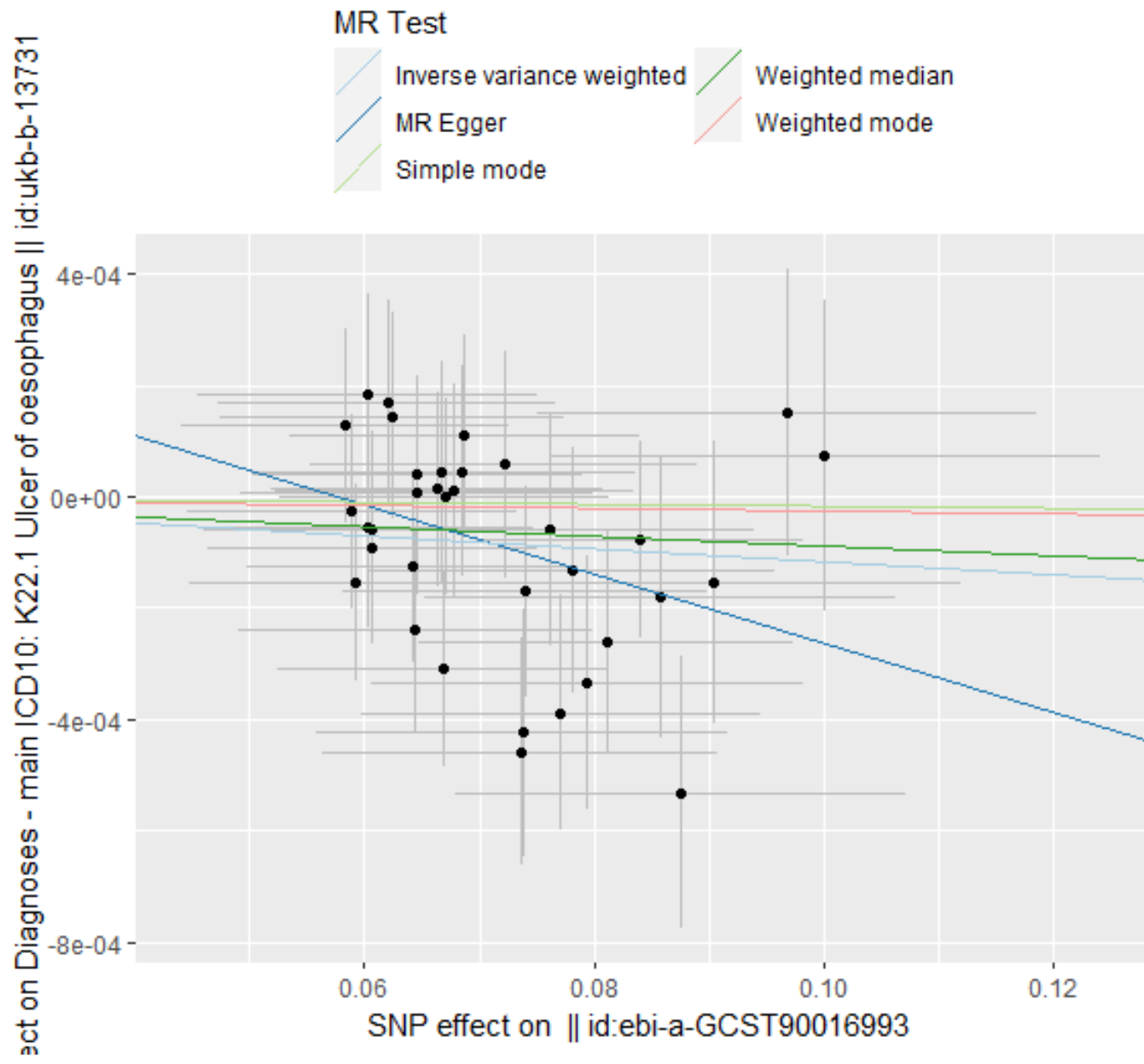
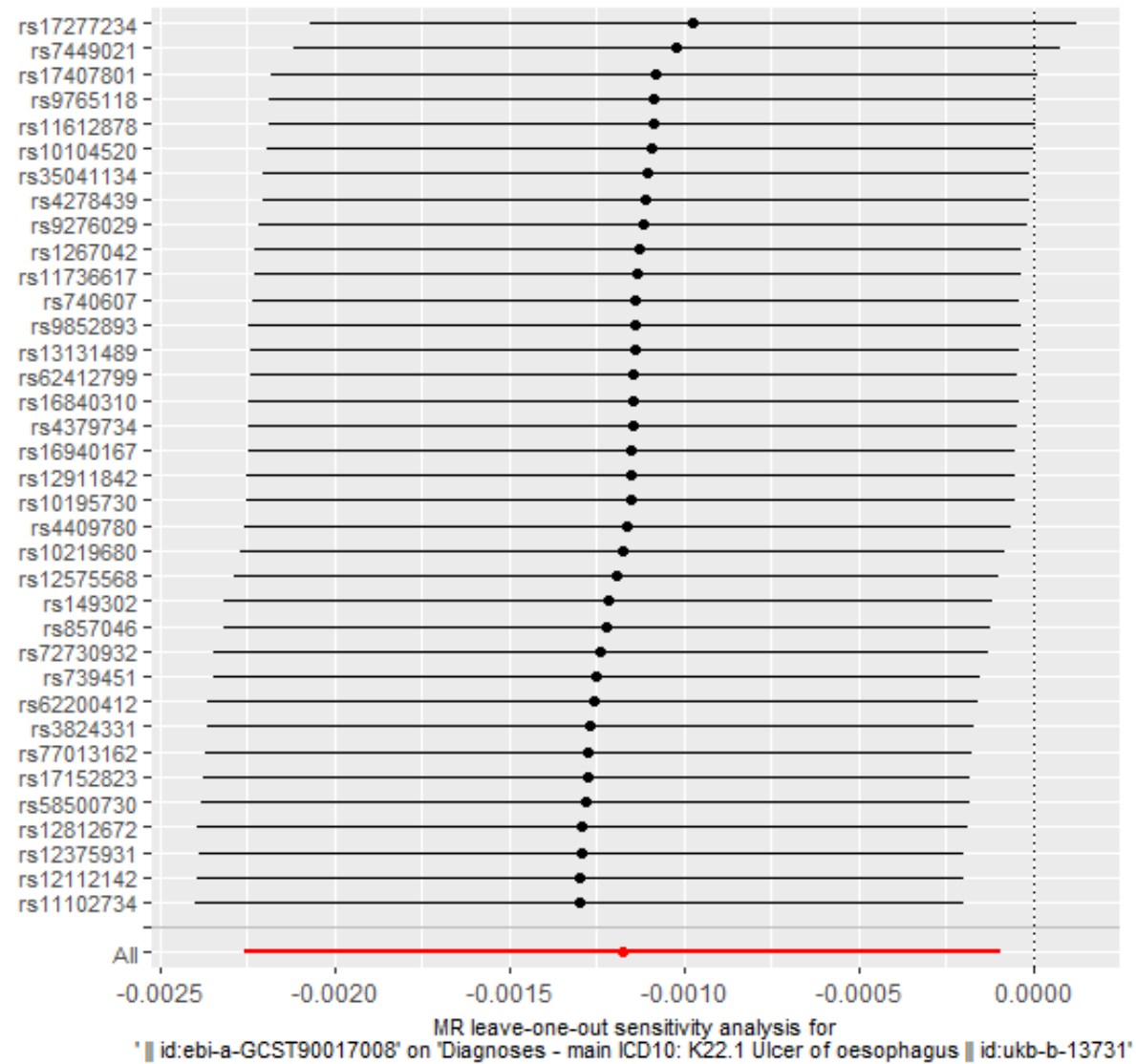
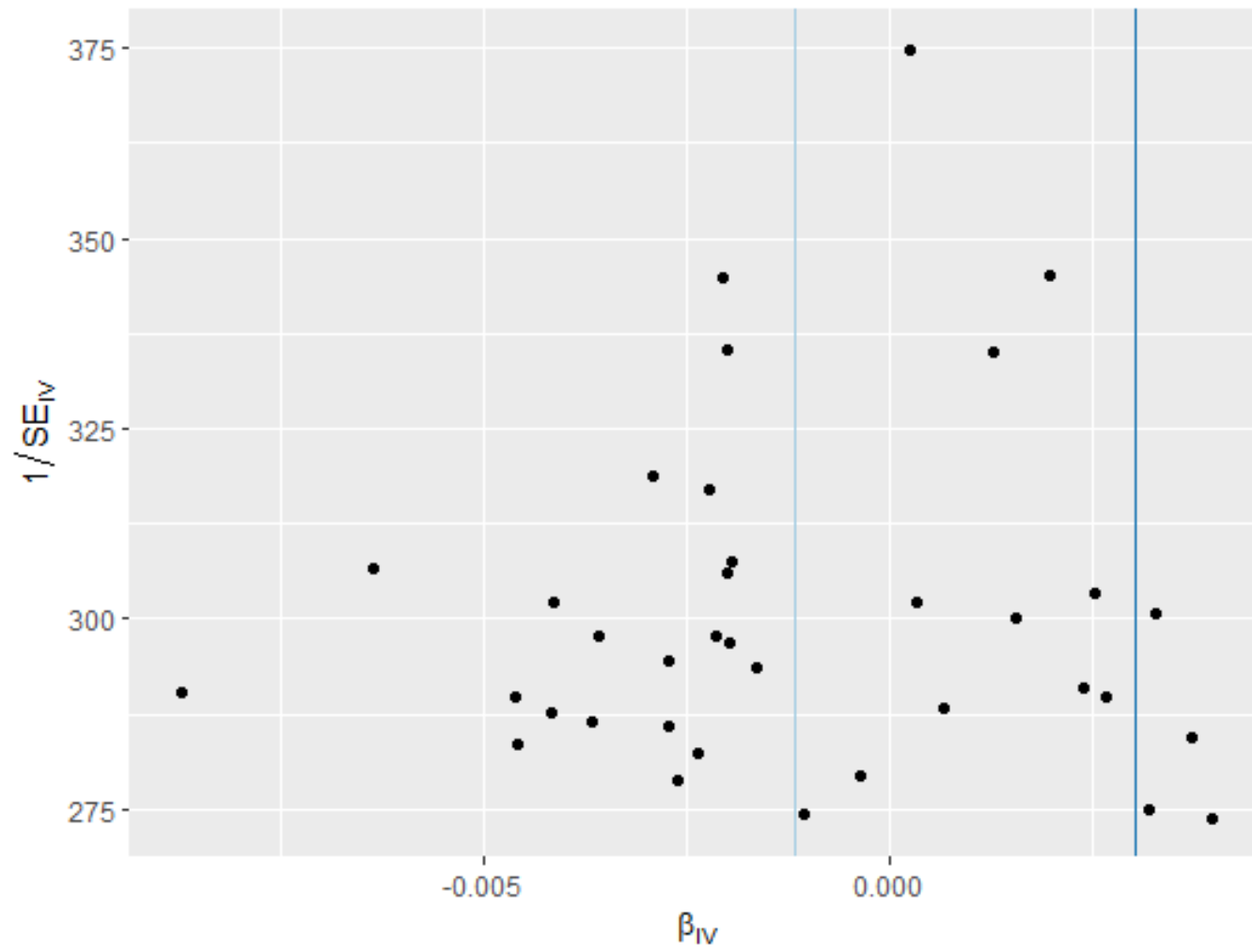


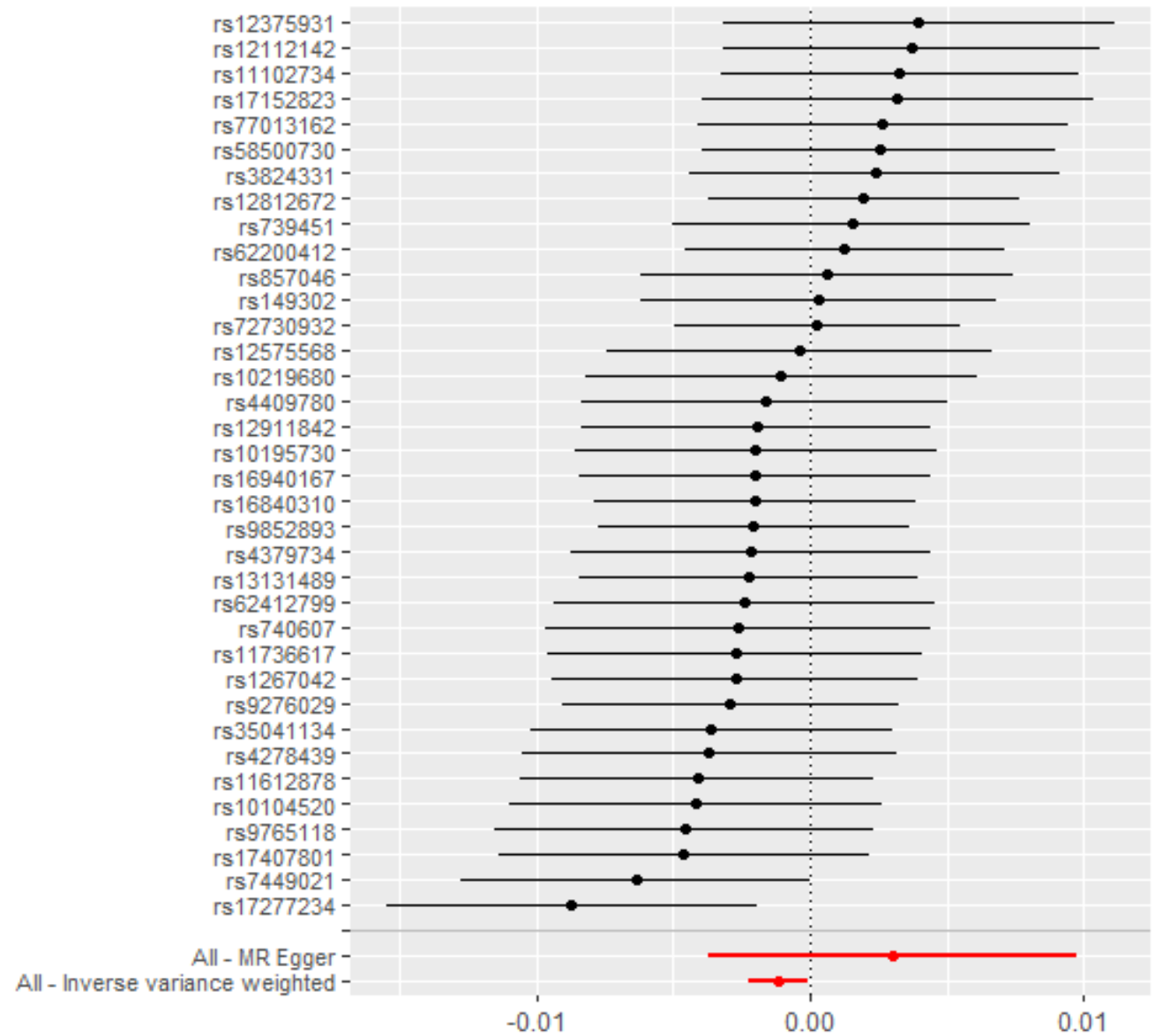
Figure 29 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Family XIII AD3011 group id.11293) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90017008' on 'Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb

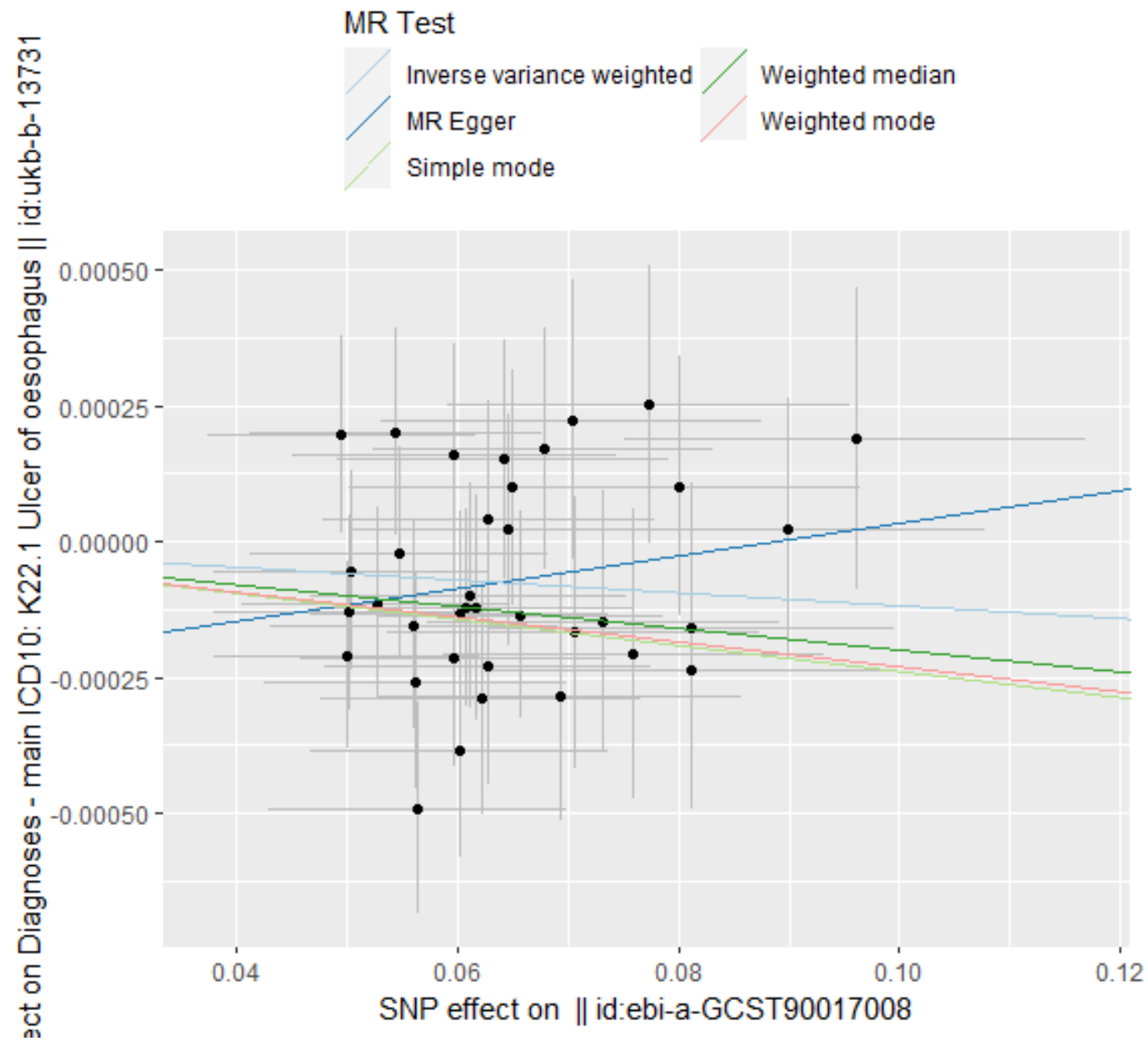
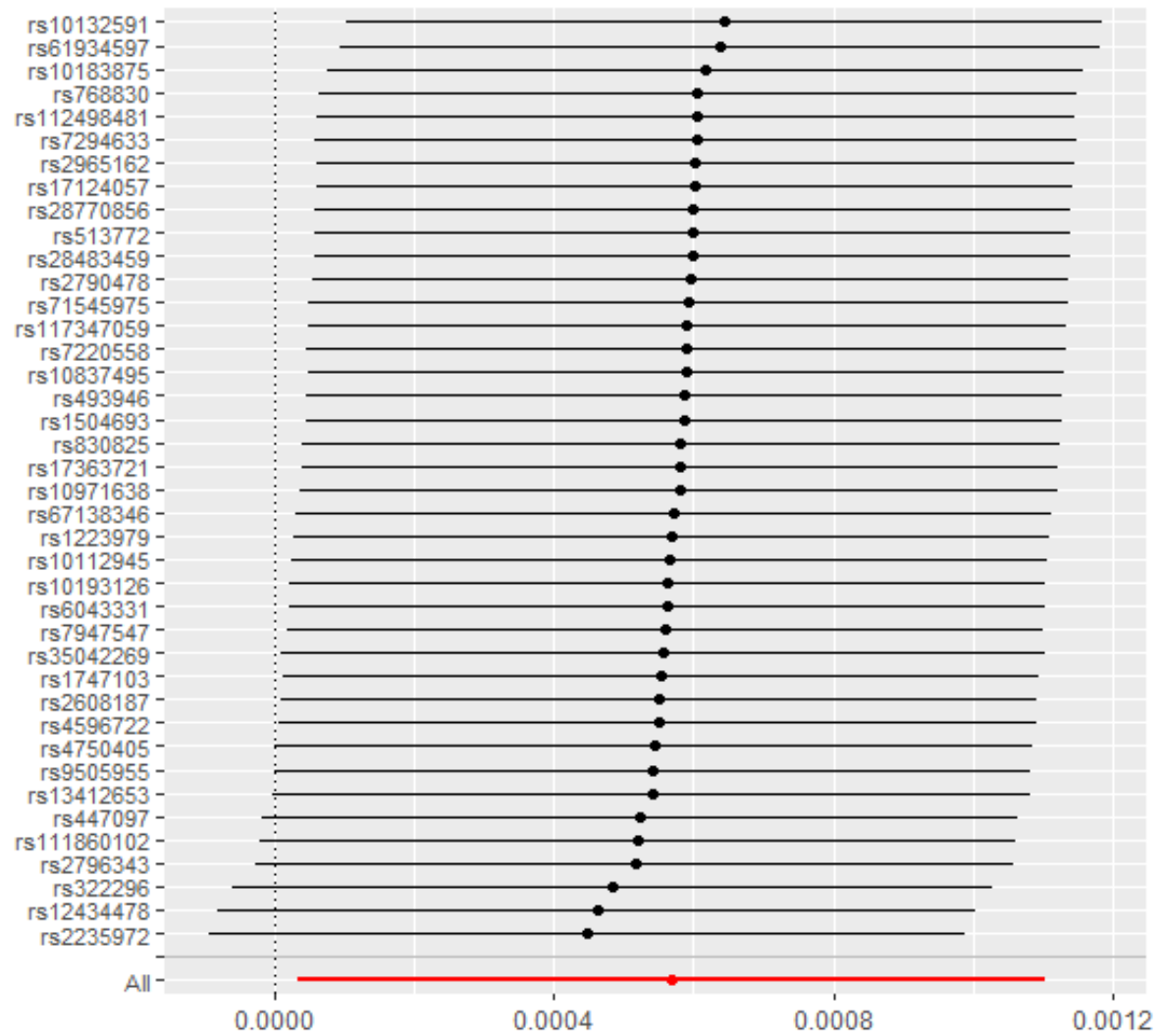


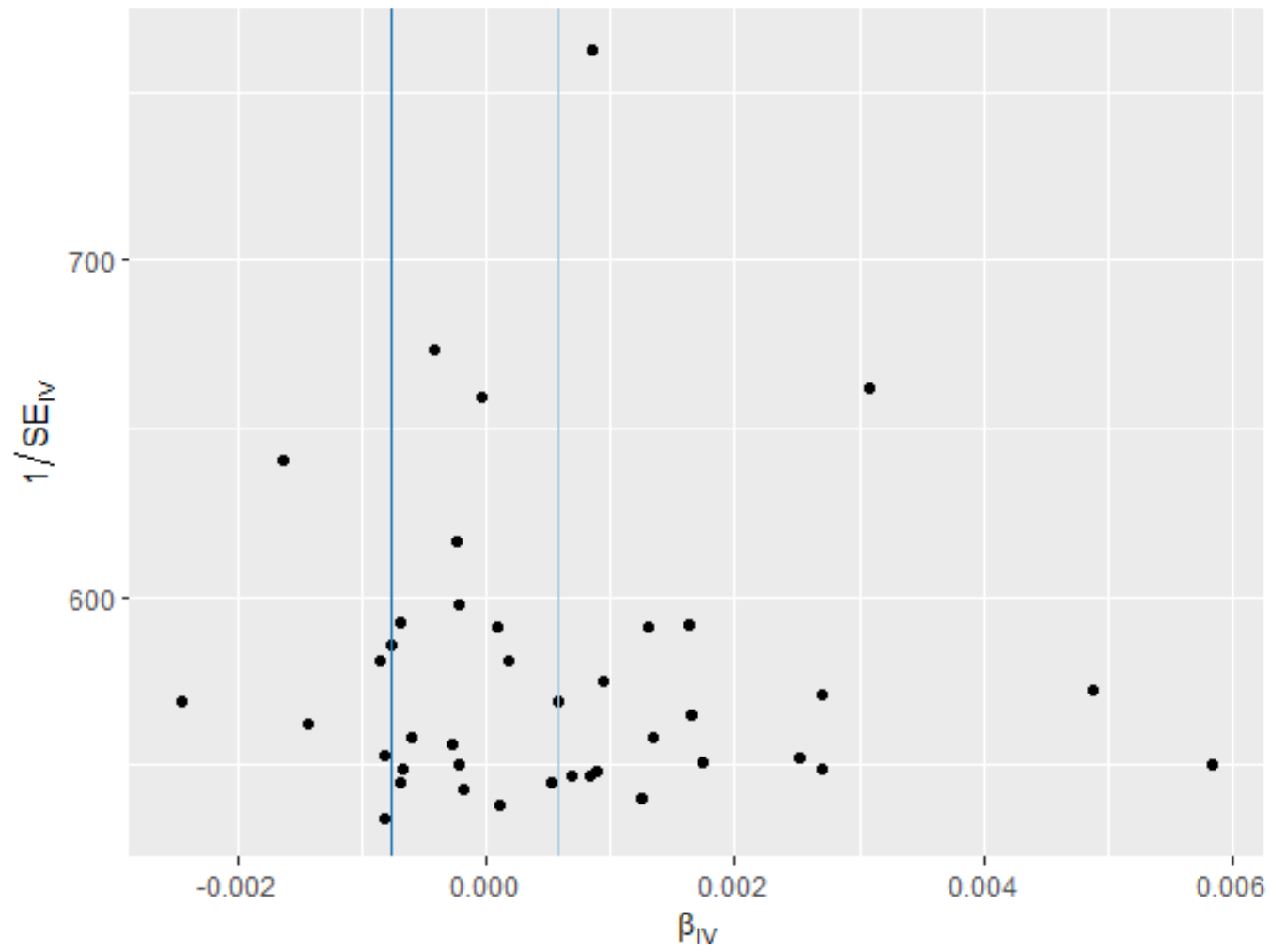
Figure 30 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Gordonibacter* id.821) on ulcer of oesophagus

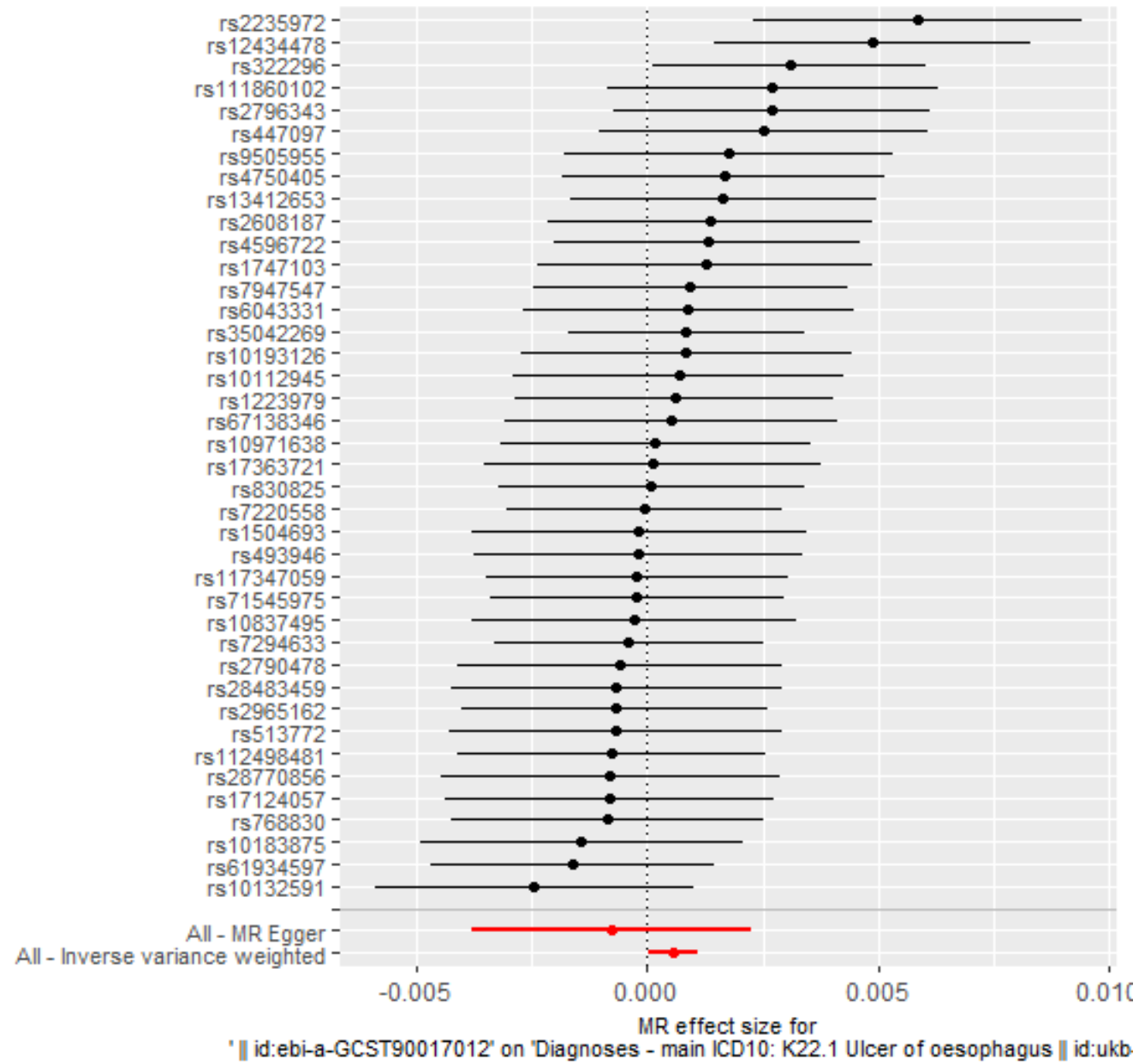


MR leave-one-out sensitivity analysis for
* || id:ebi-a-GCST90017012' on 'Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731'

MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

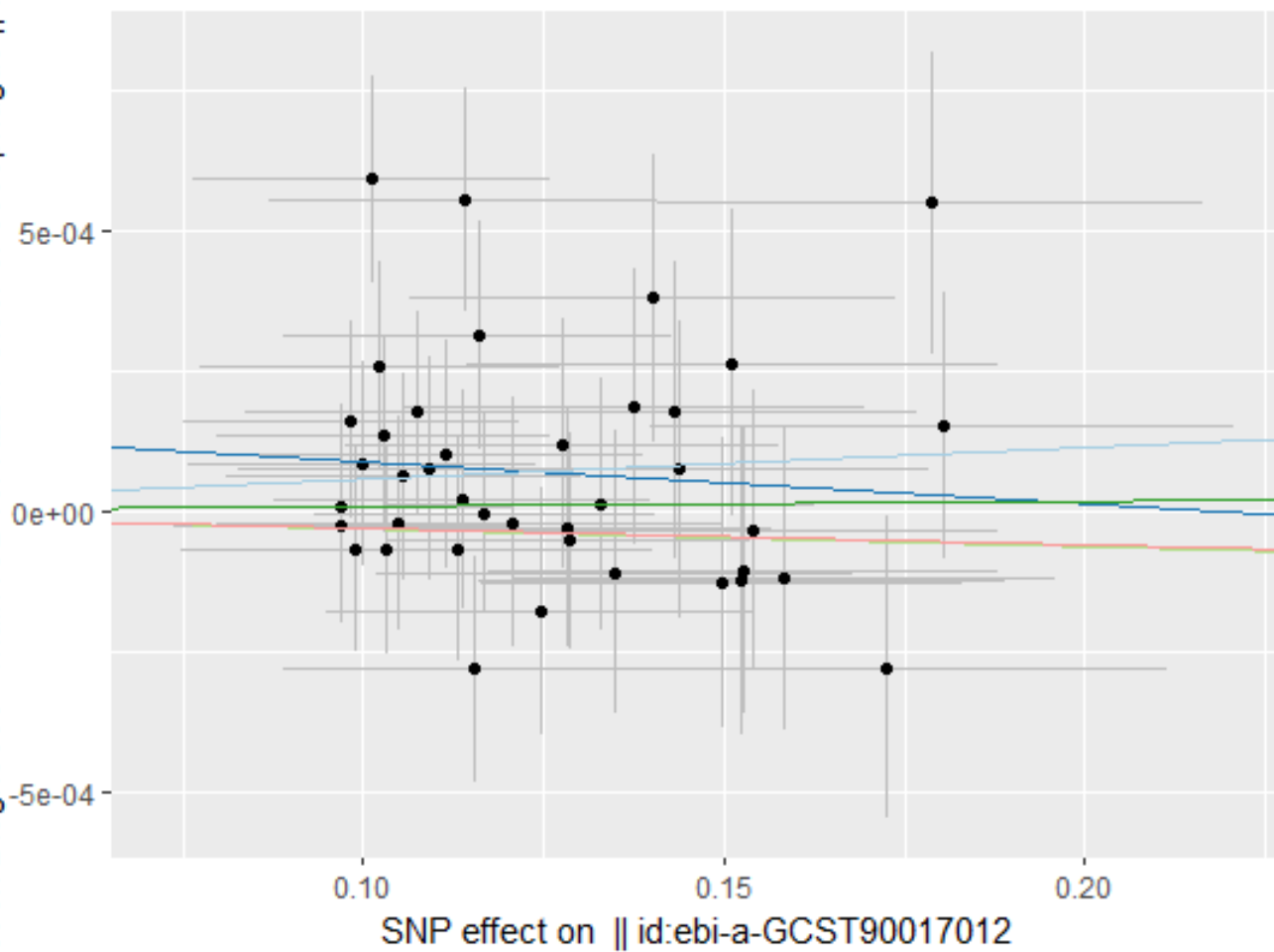
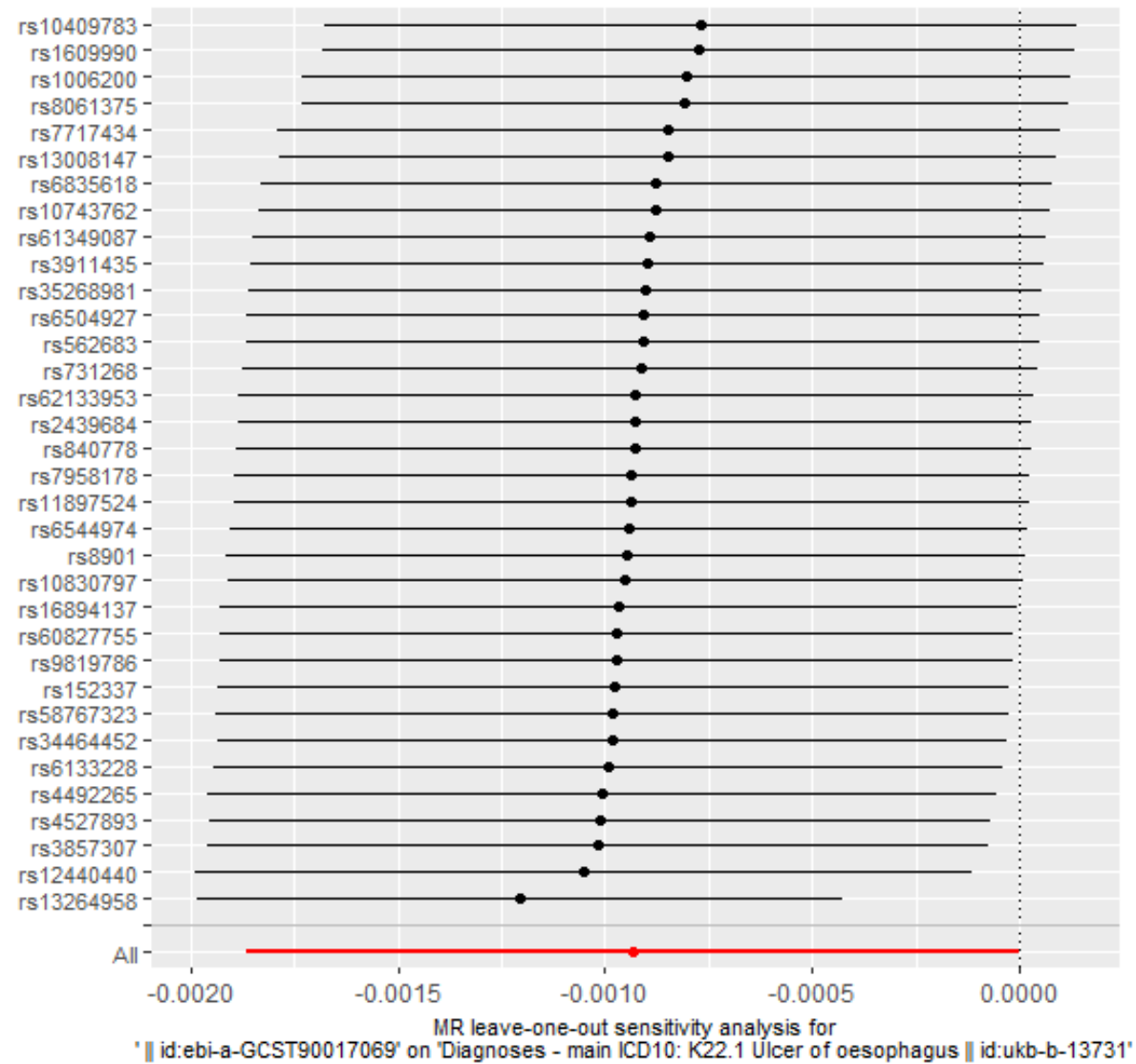
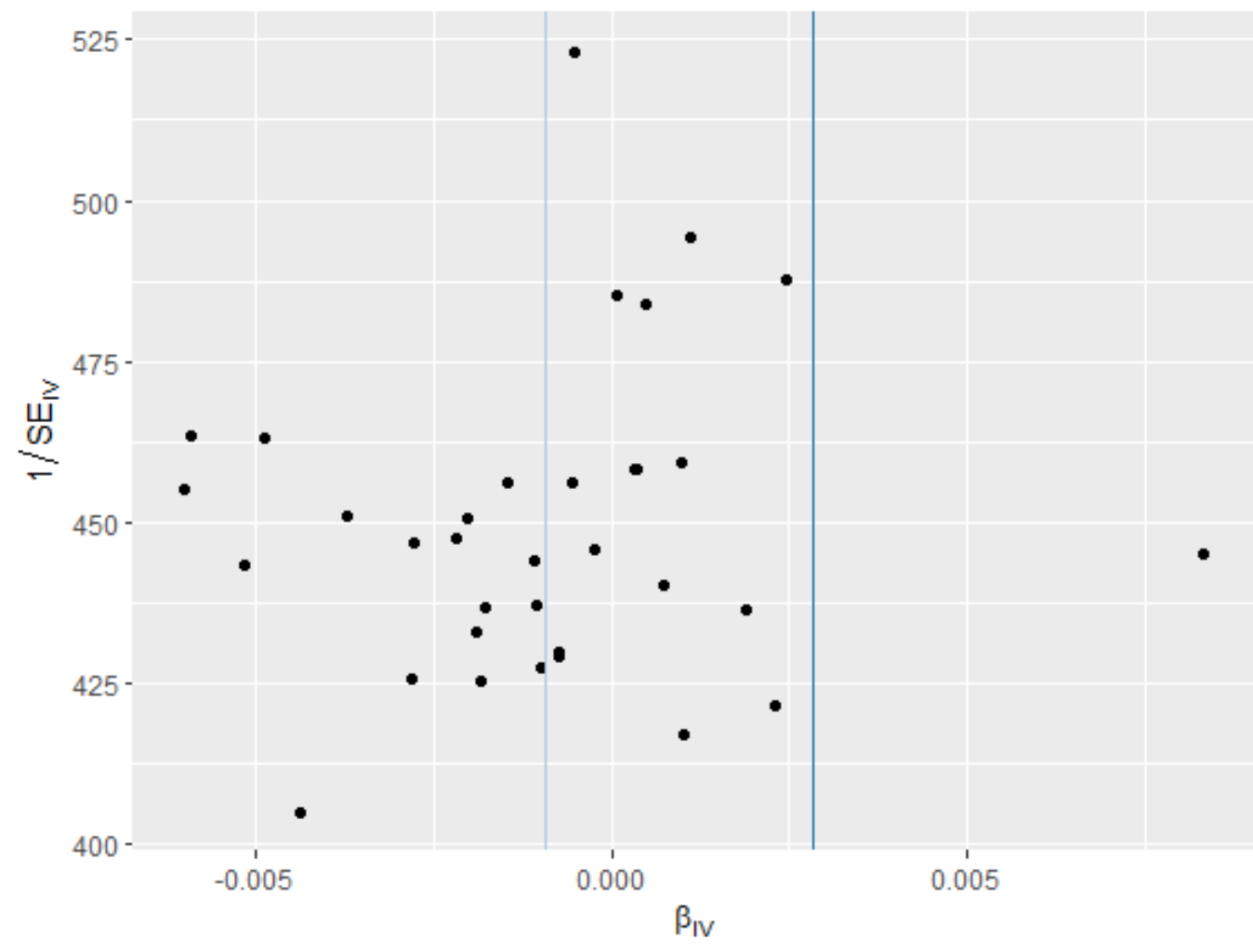


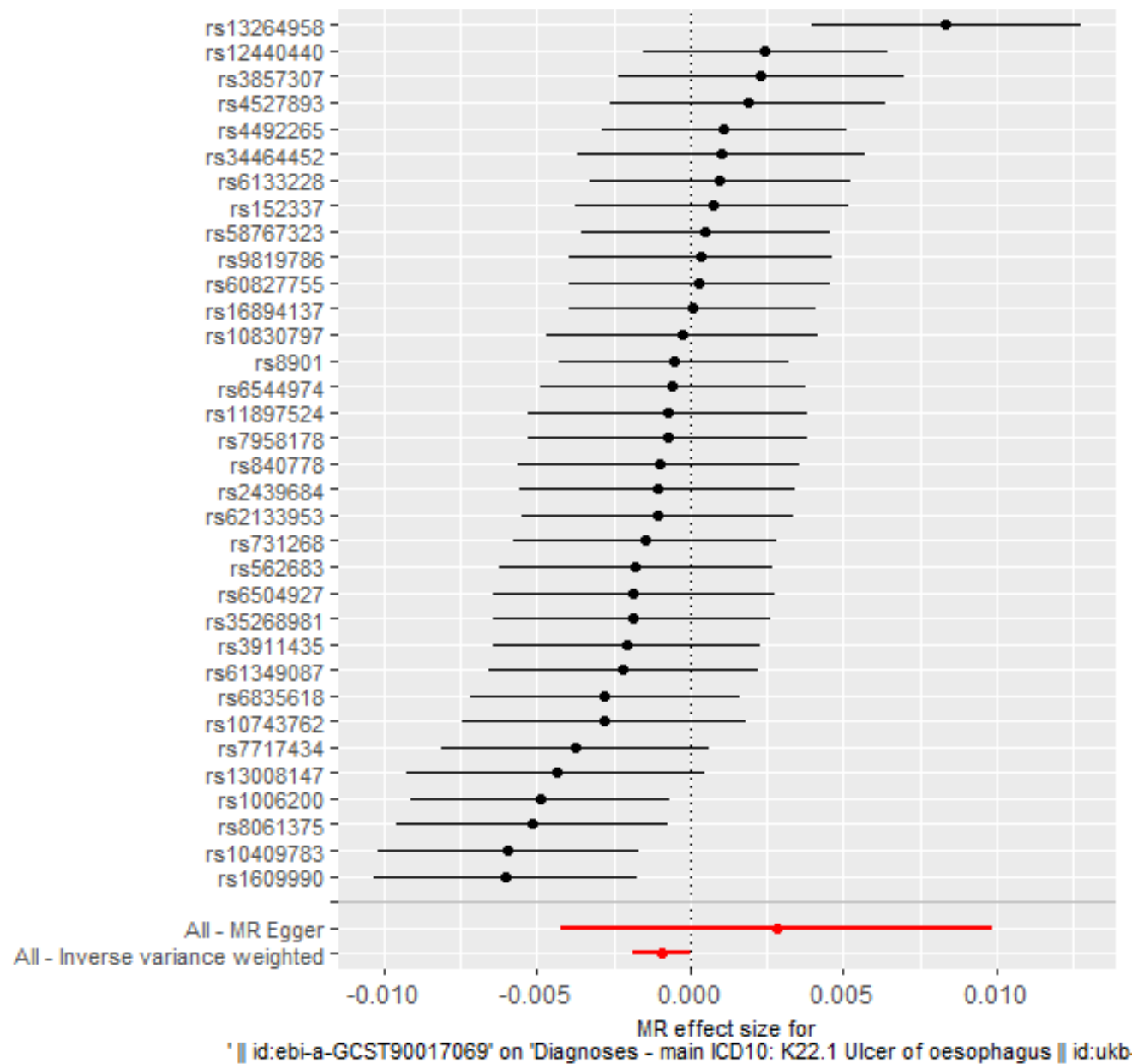
Figure 31 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Slackia id.825) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

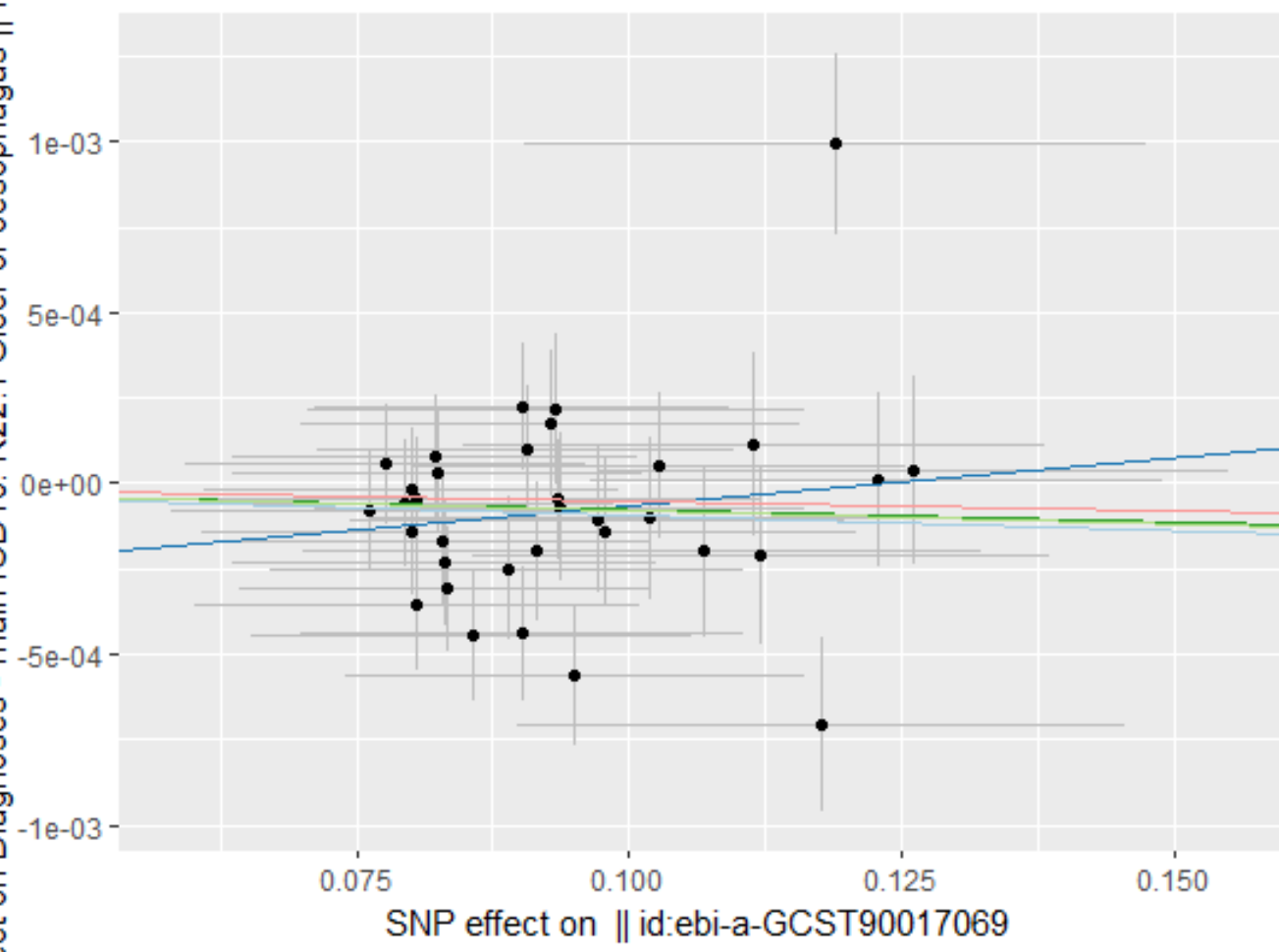
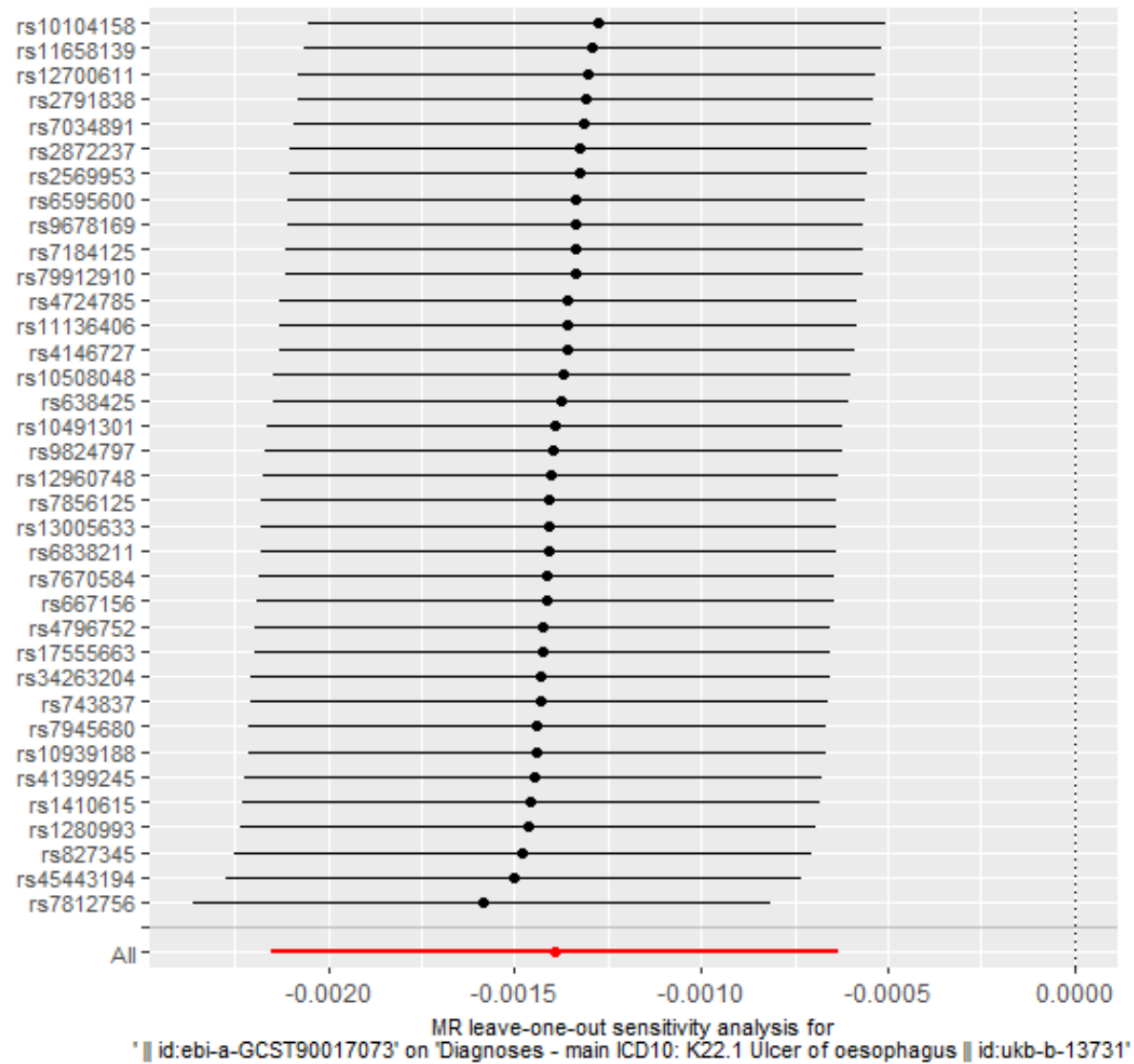
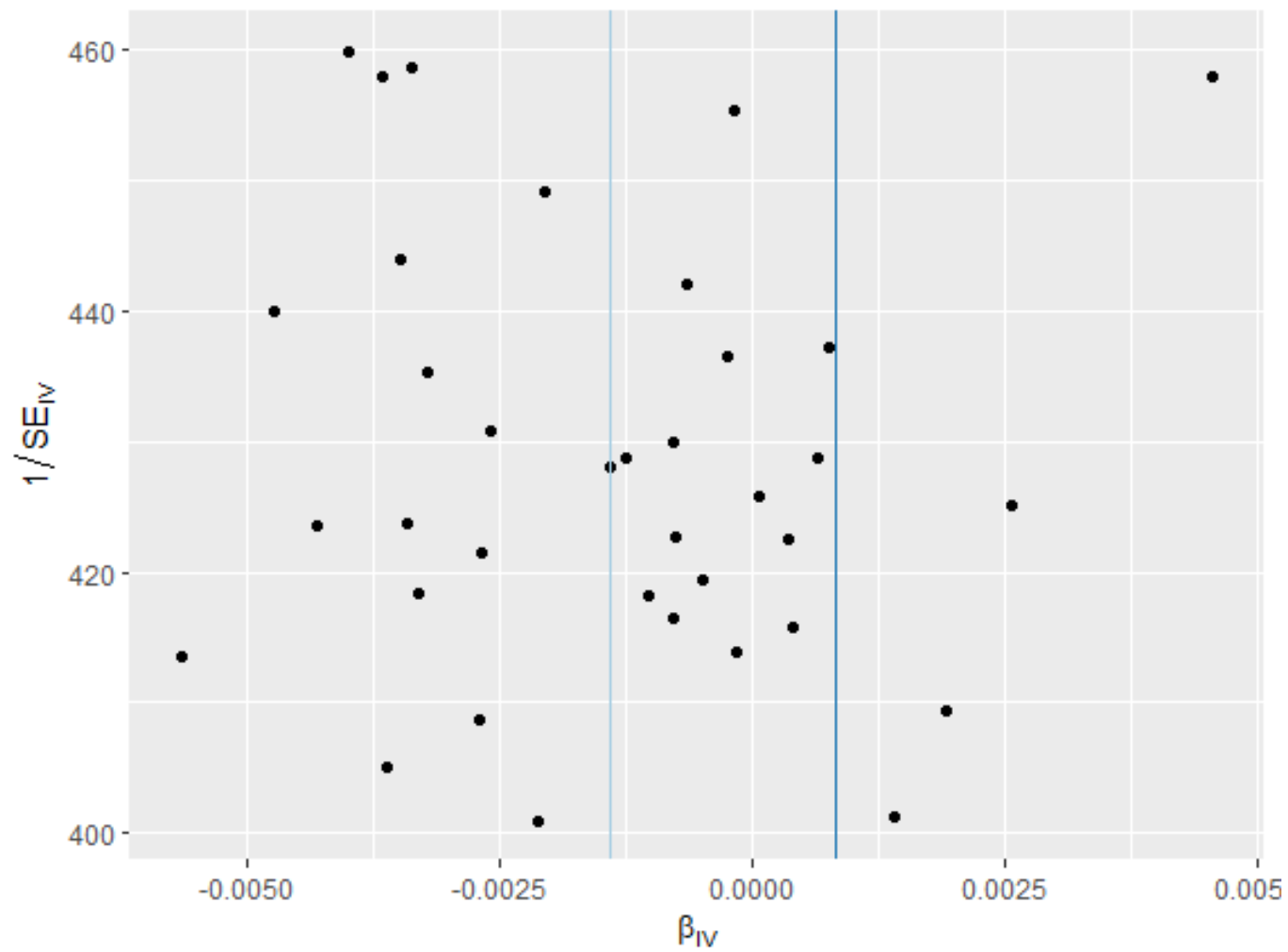


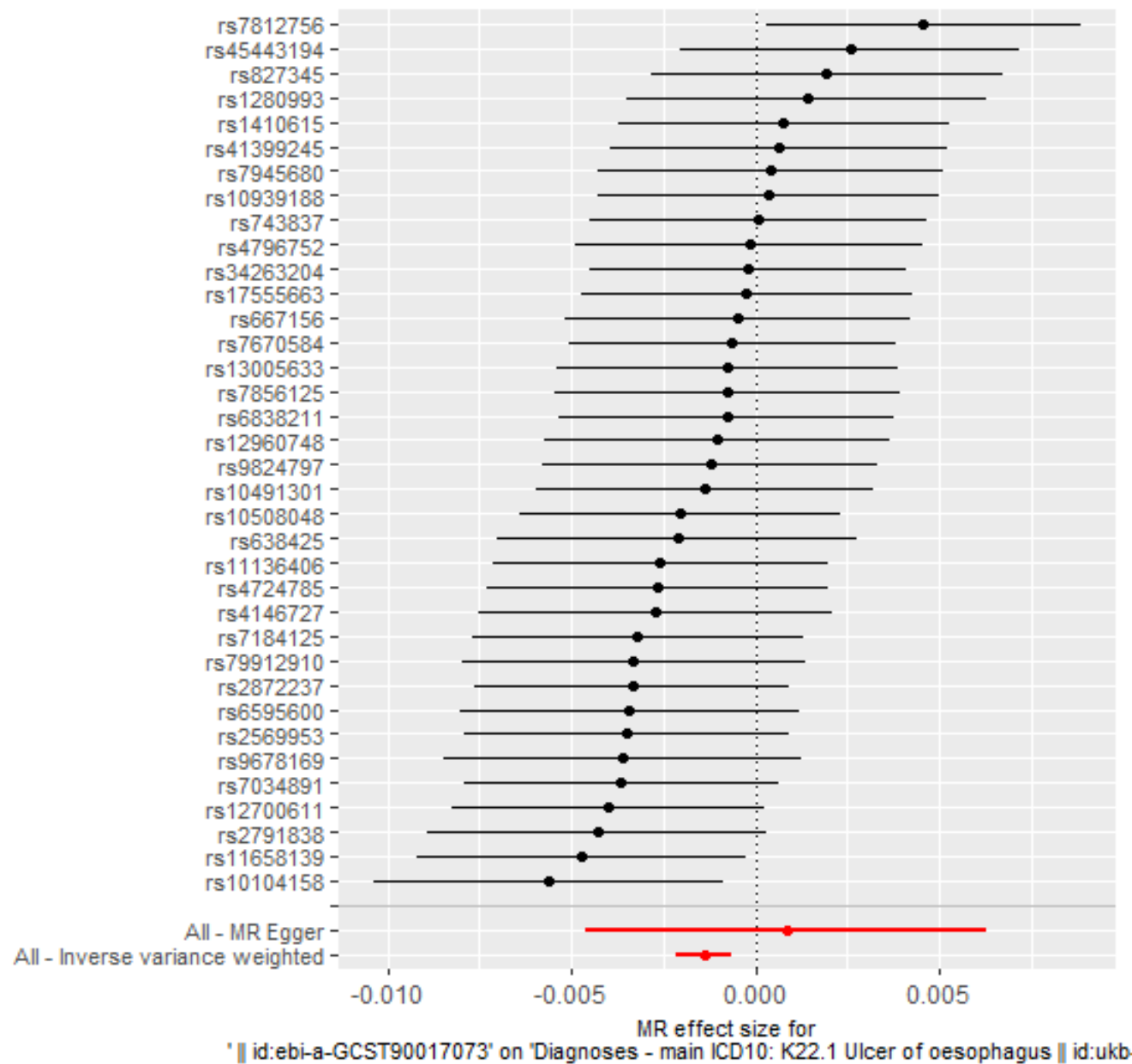
Figure 32 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Terrisporobacter id.11348) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

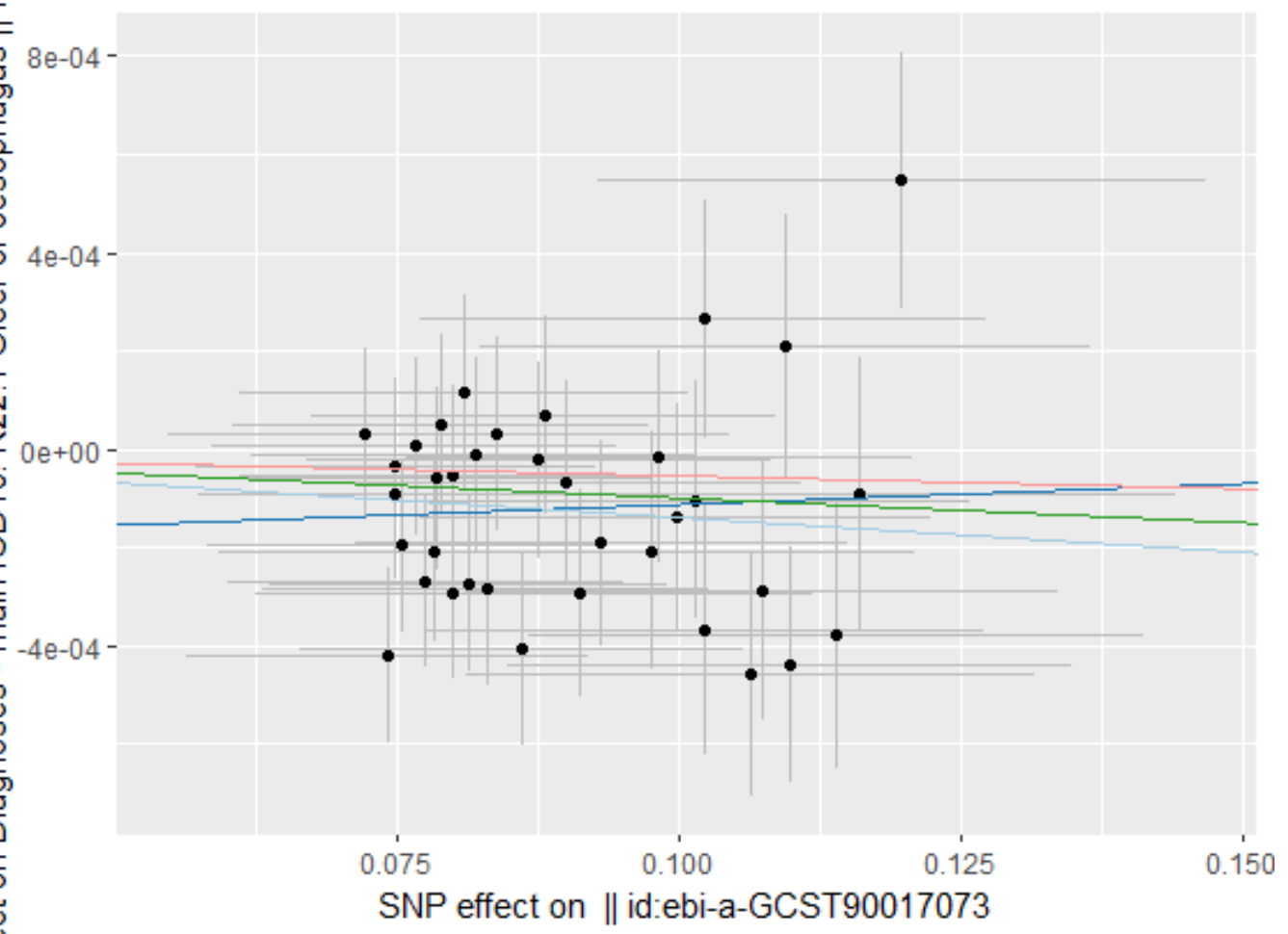
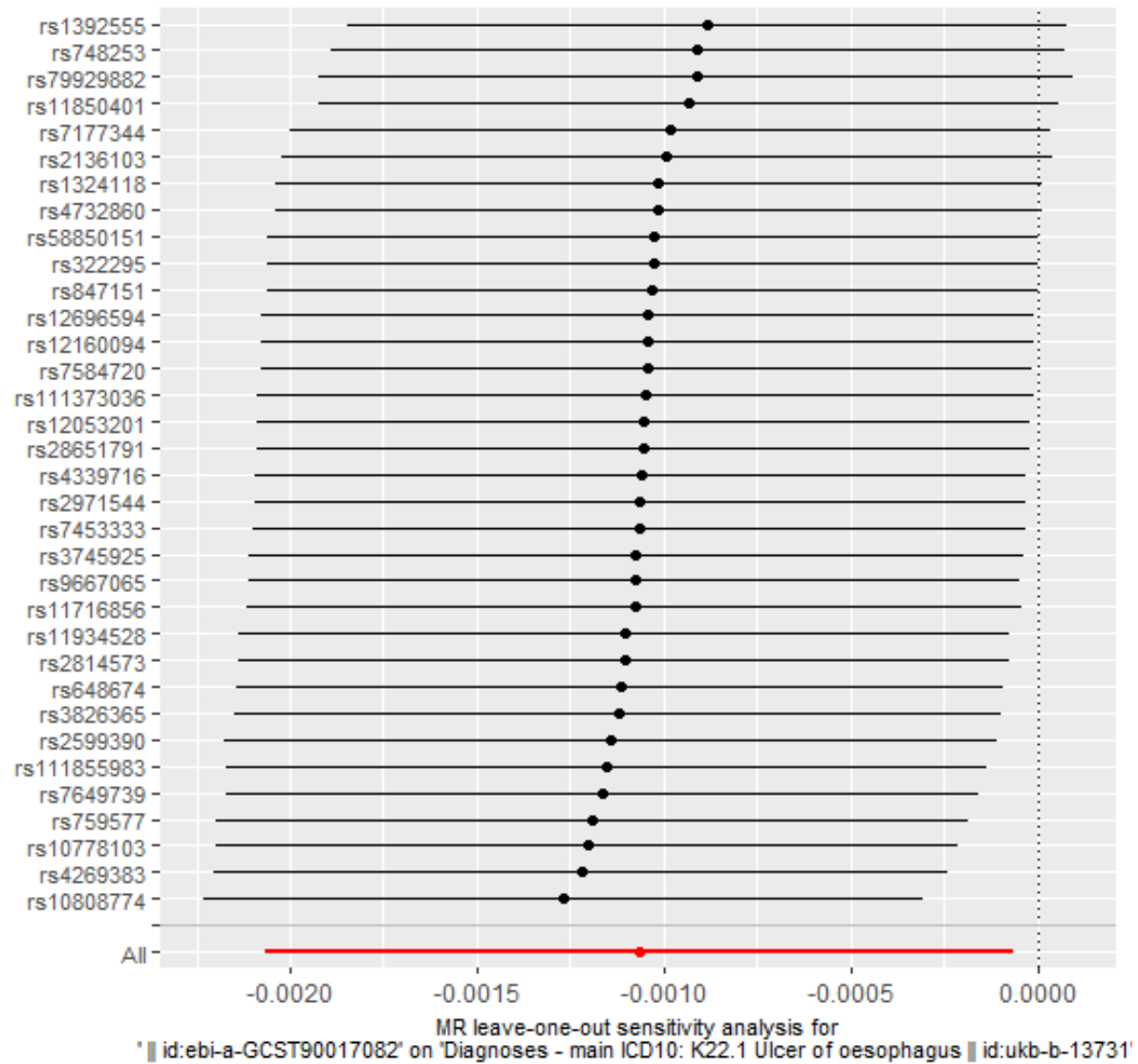
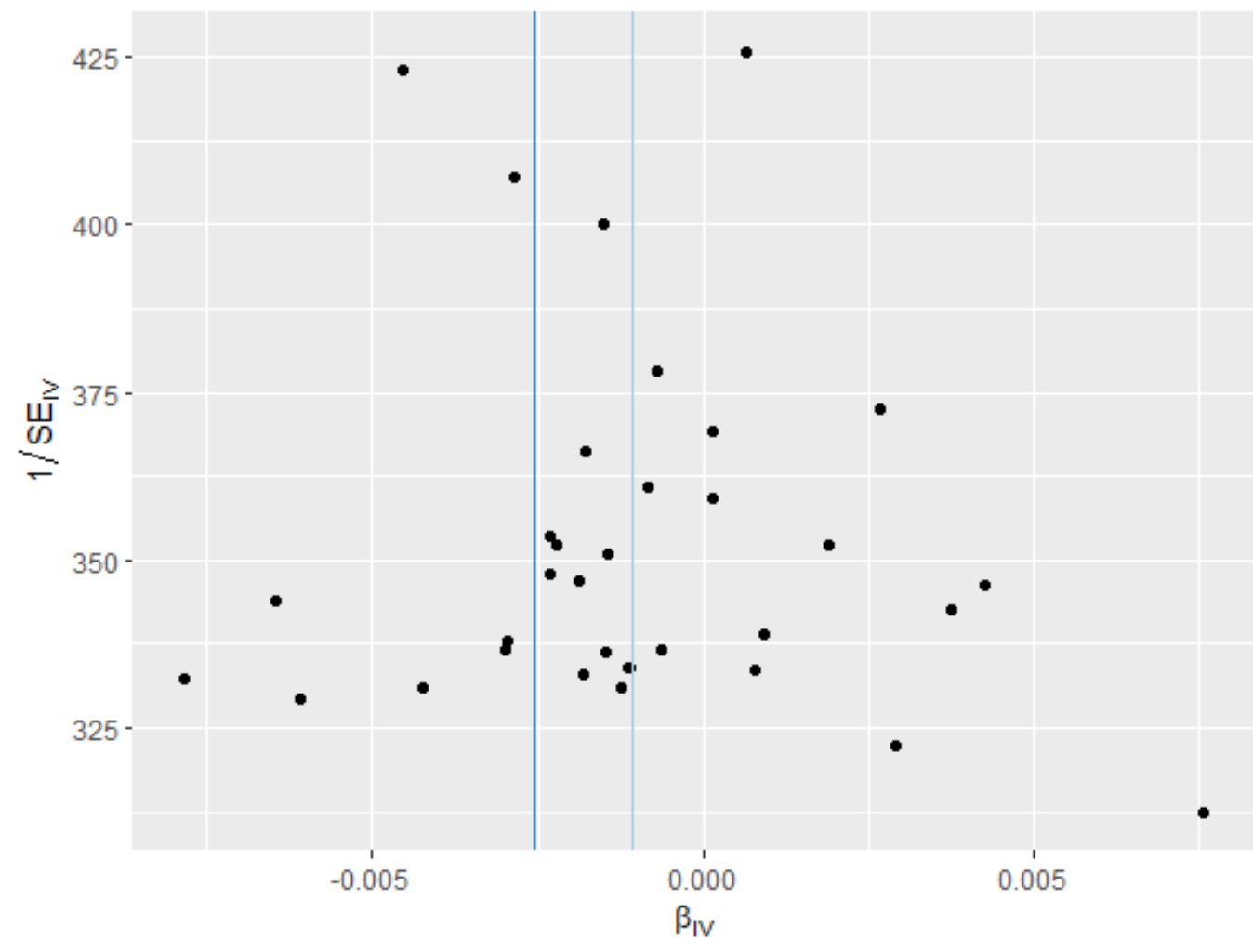


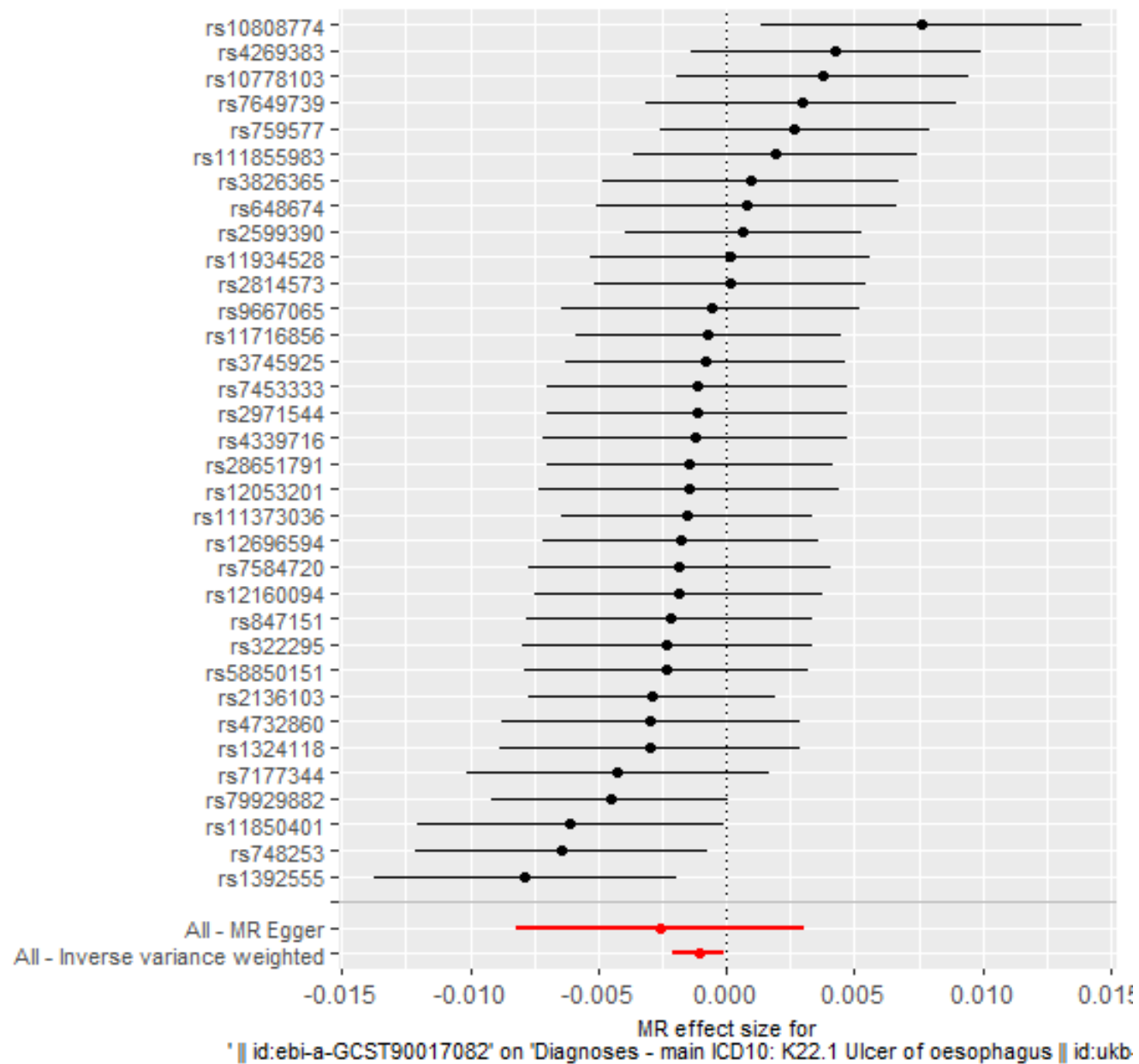
Figure 33 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.2001) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

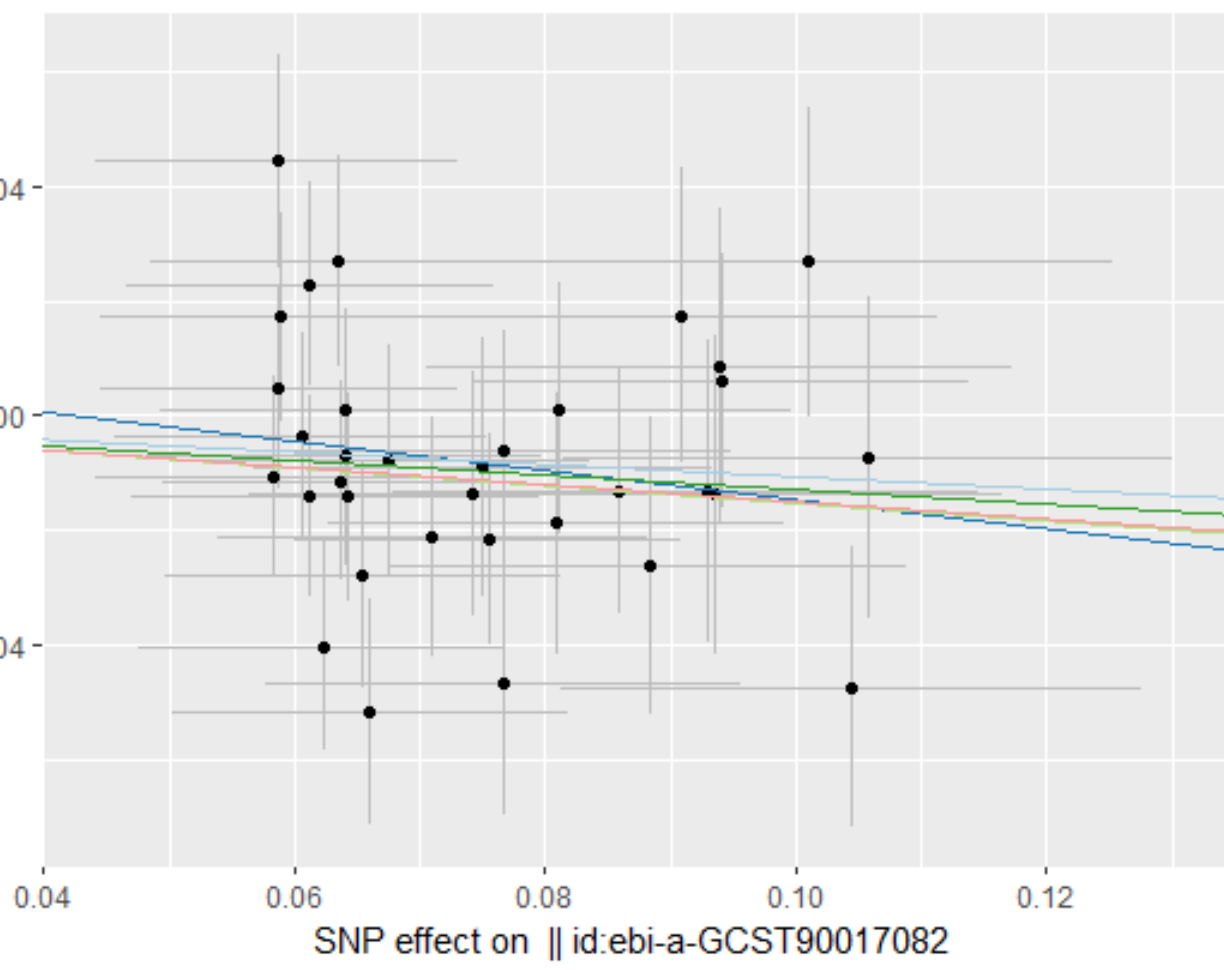
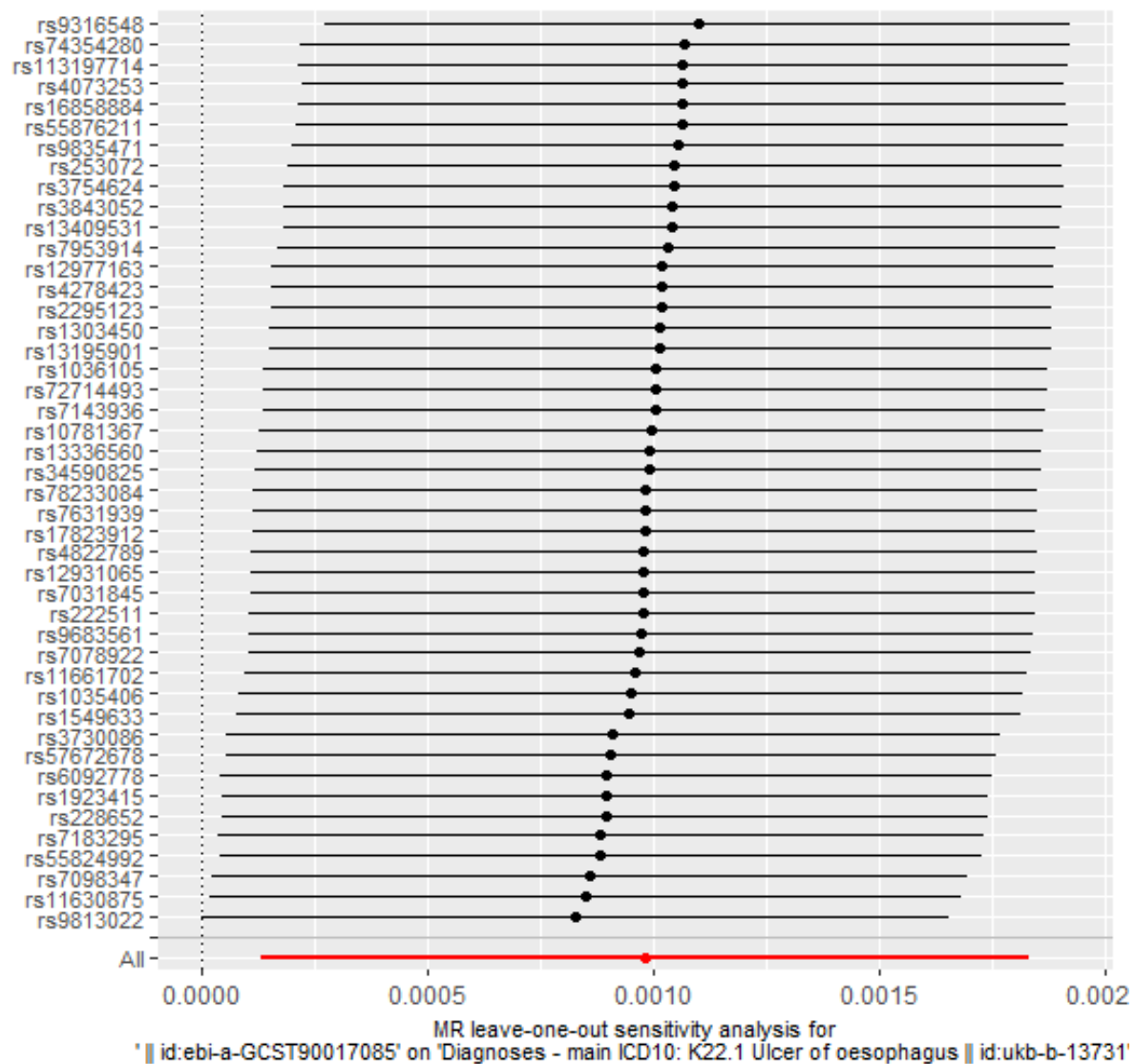
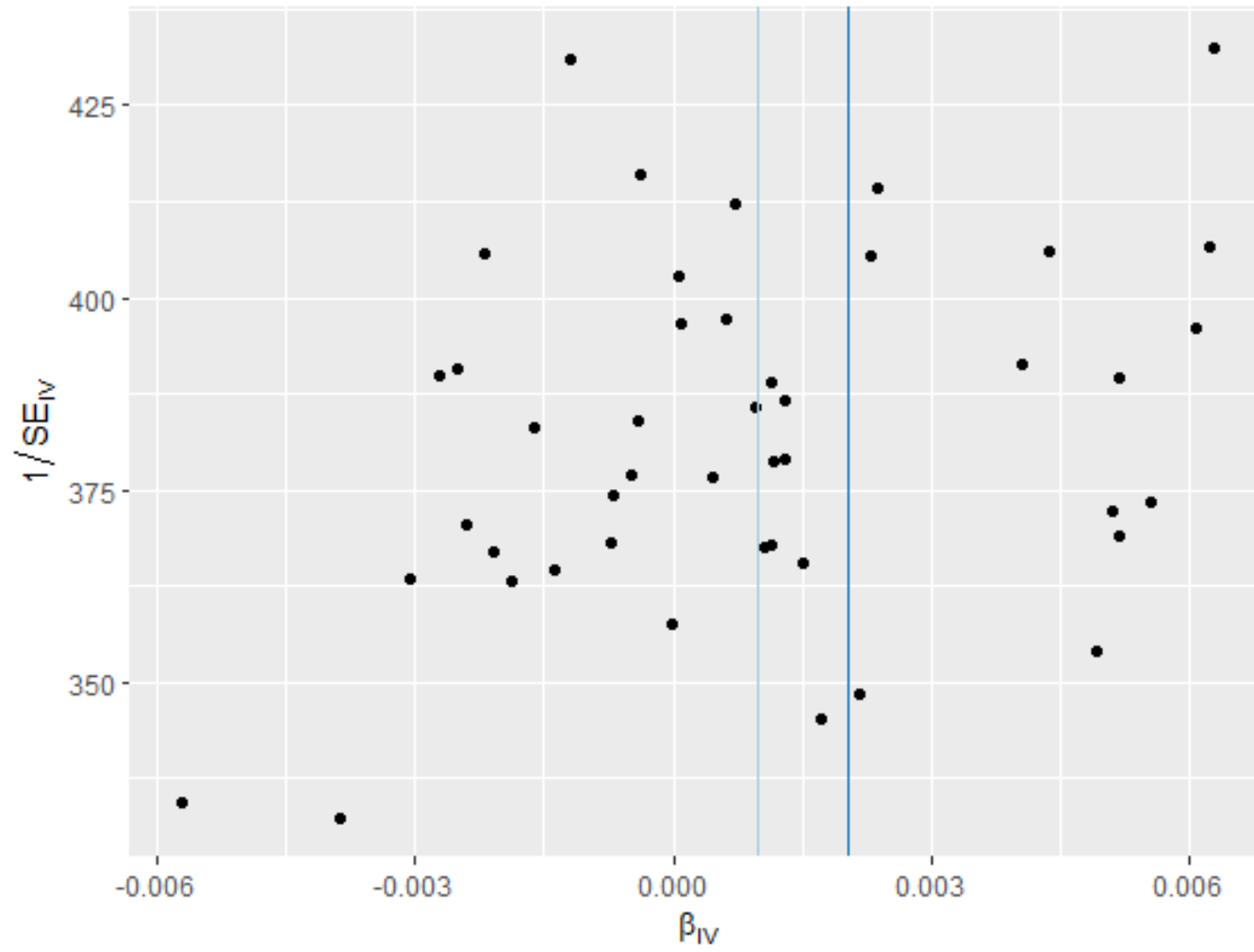


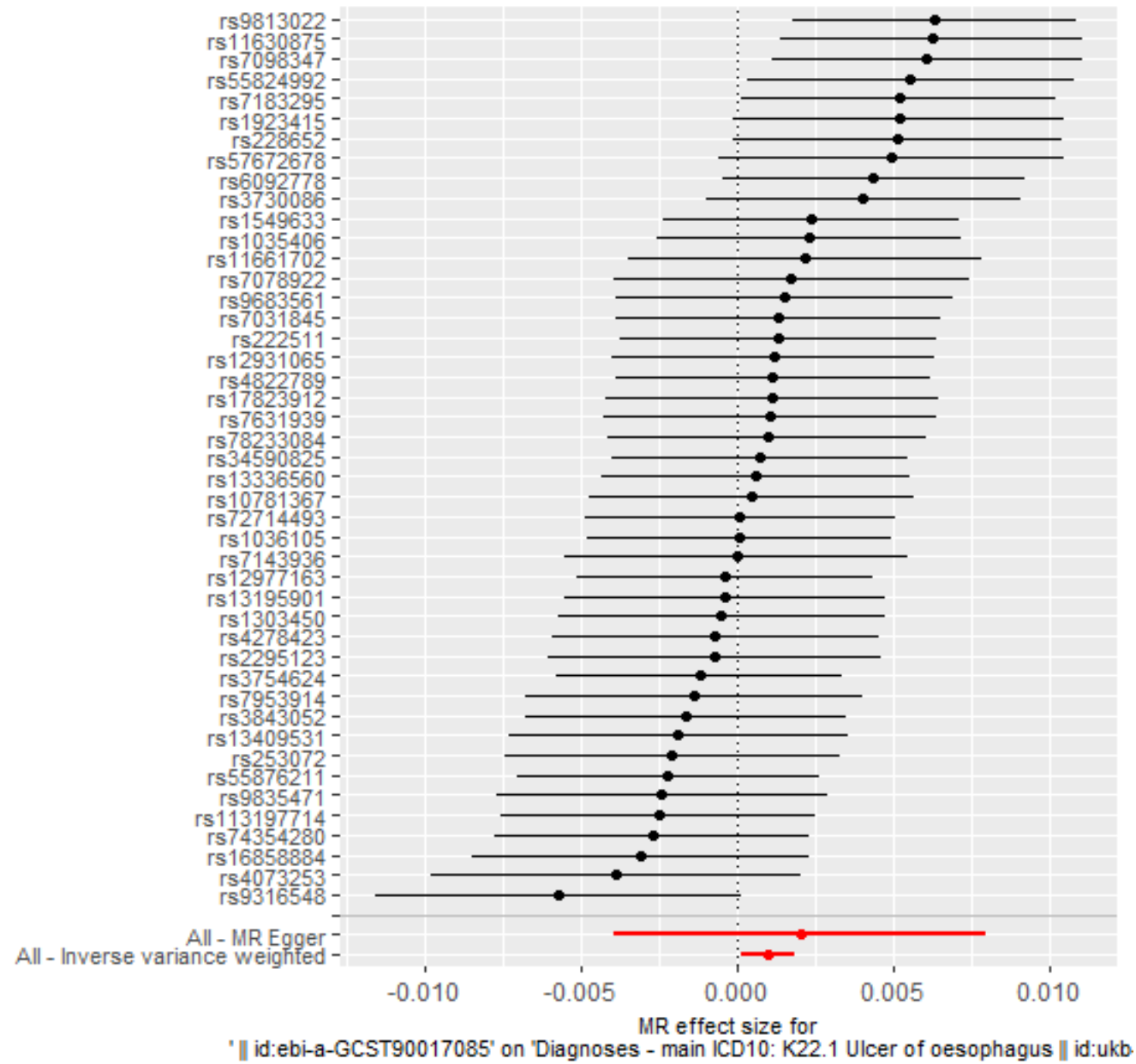
Figure 34 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.2755) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

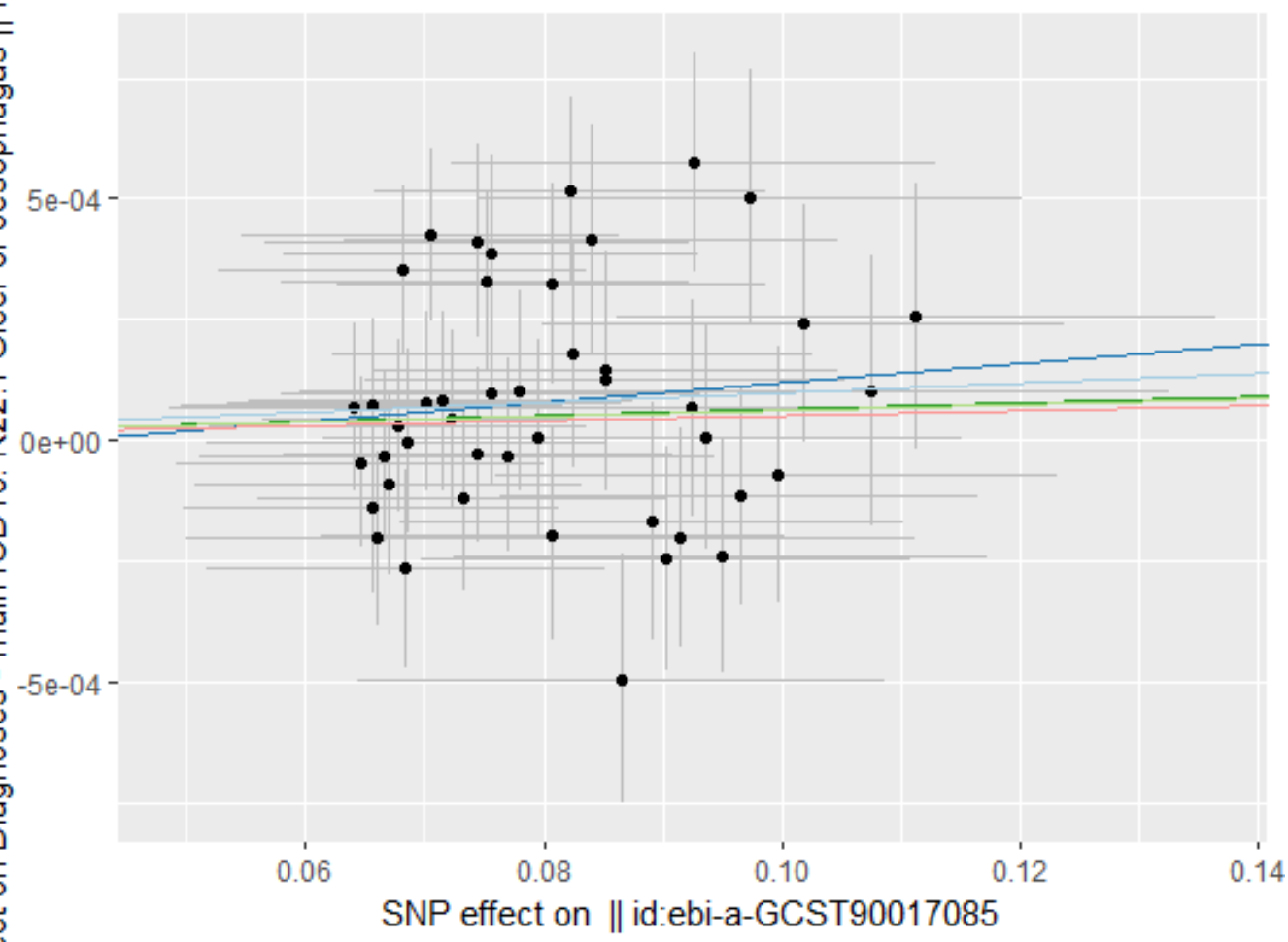
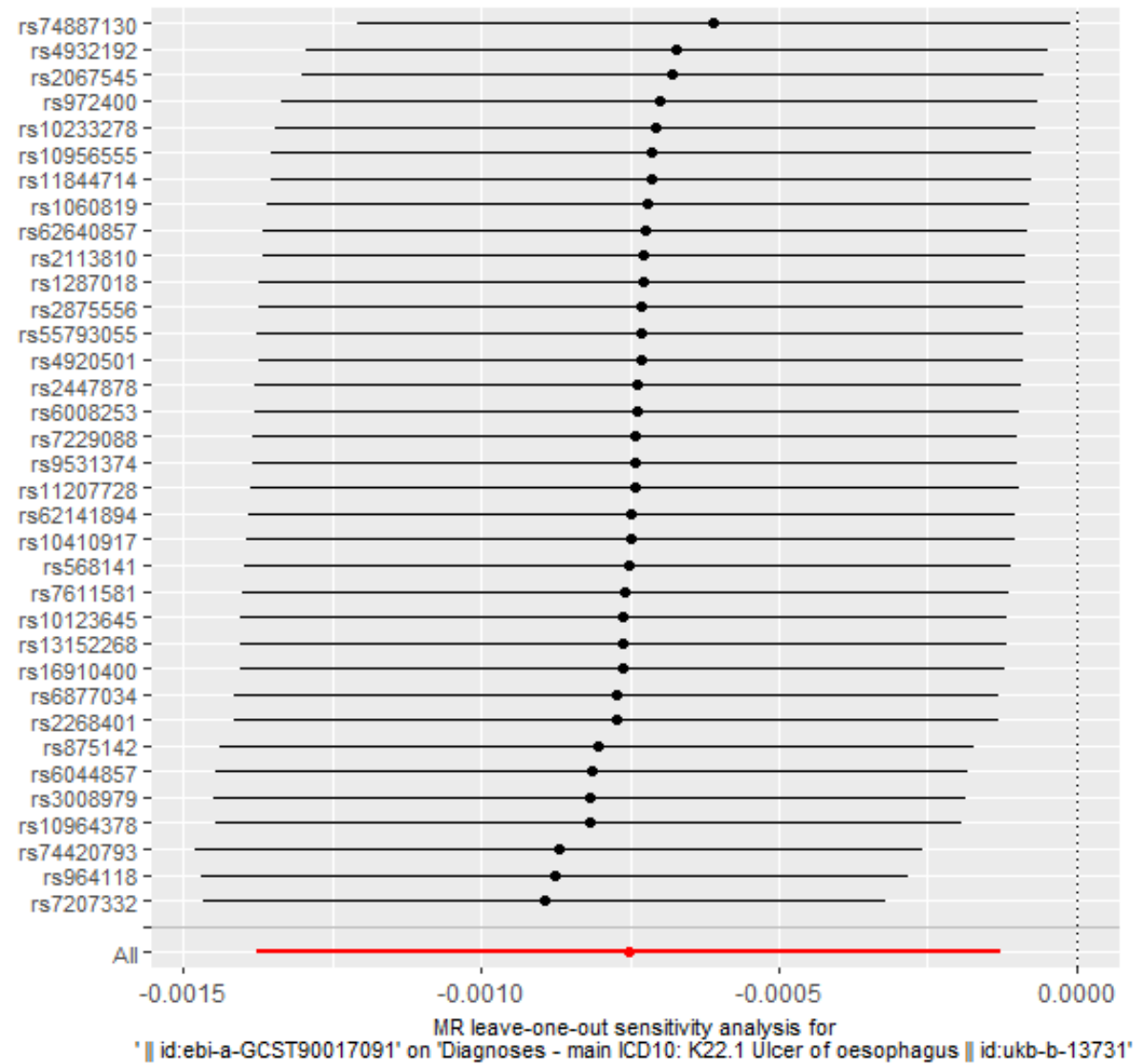
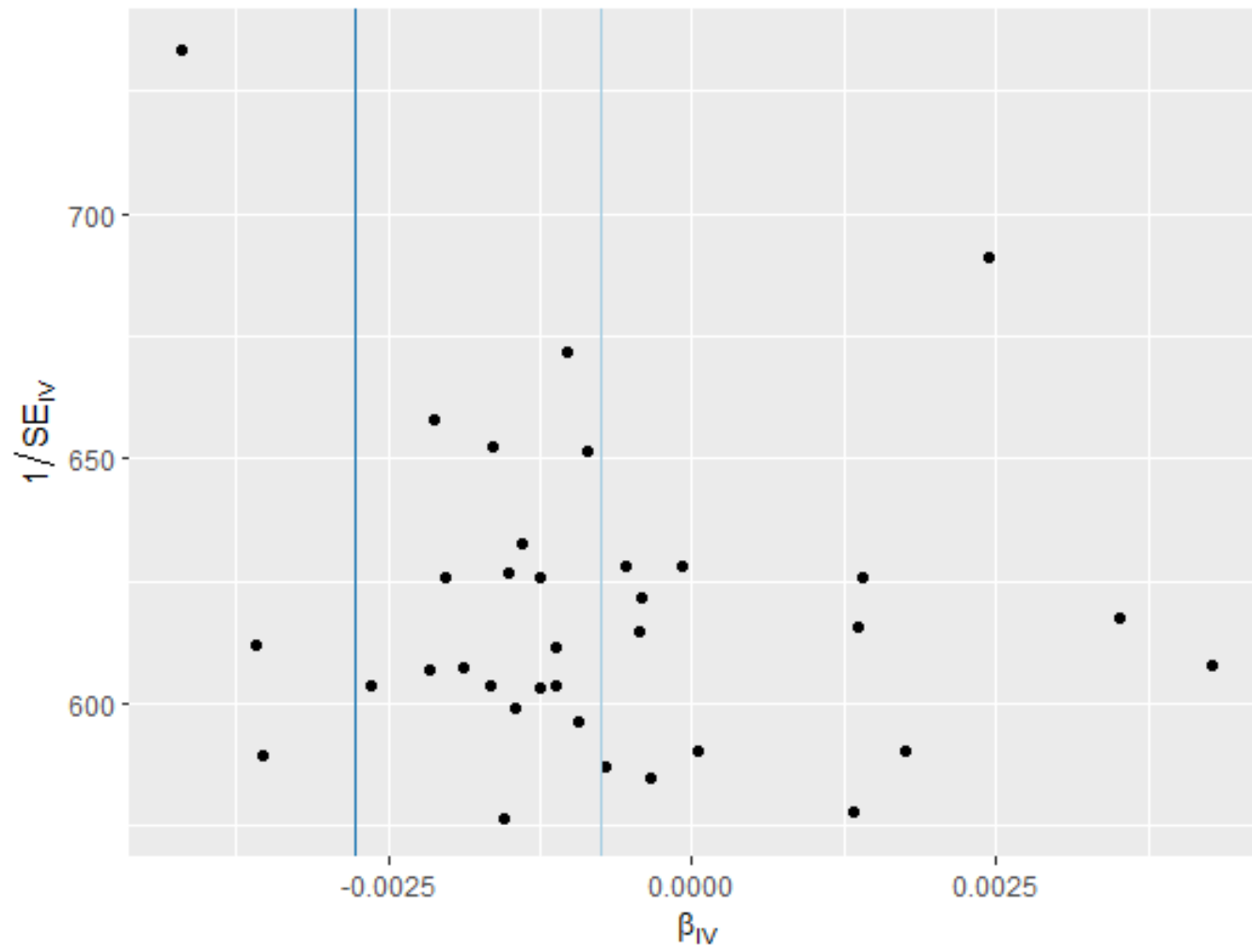


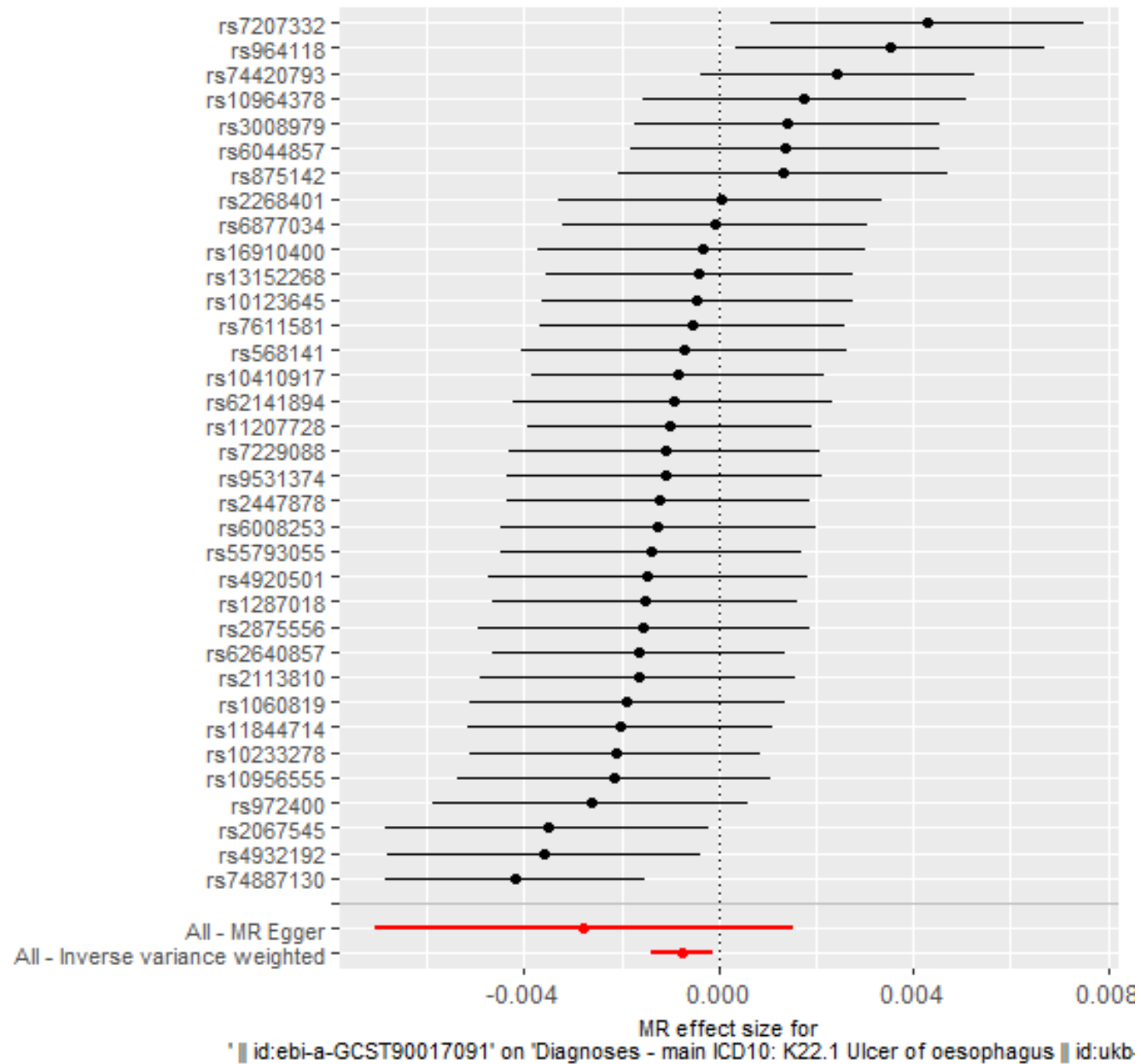
Figure 35 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Bacillales id.1674) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





act on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

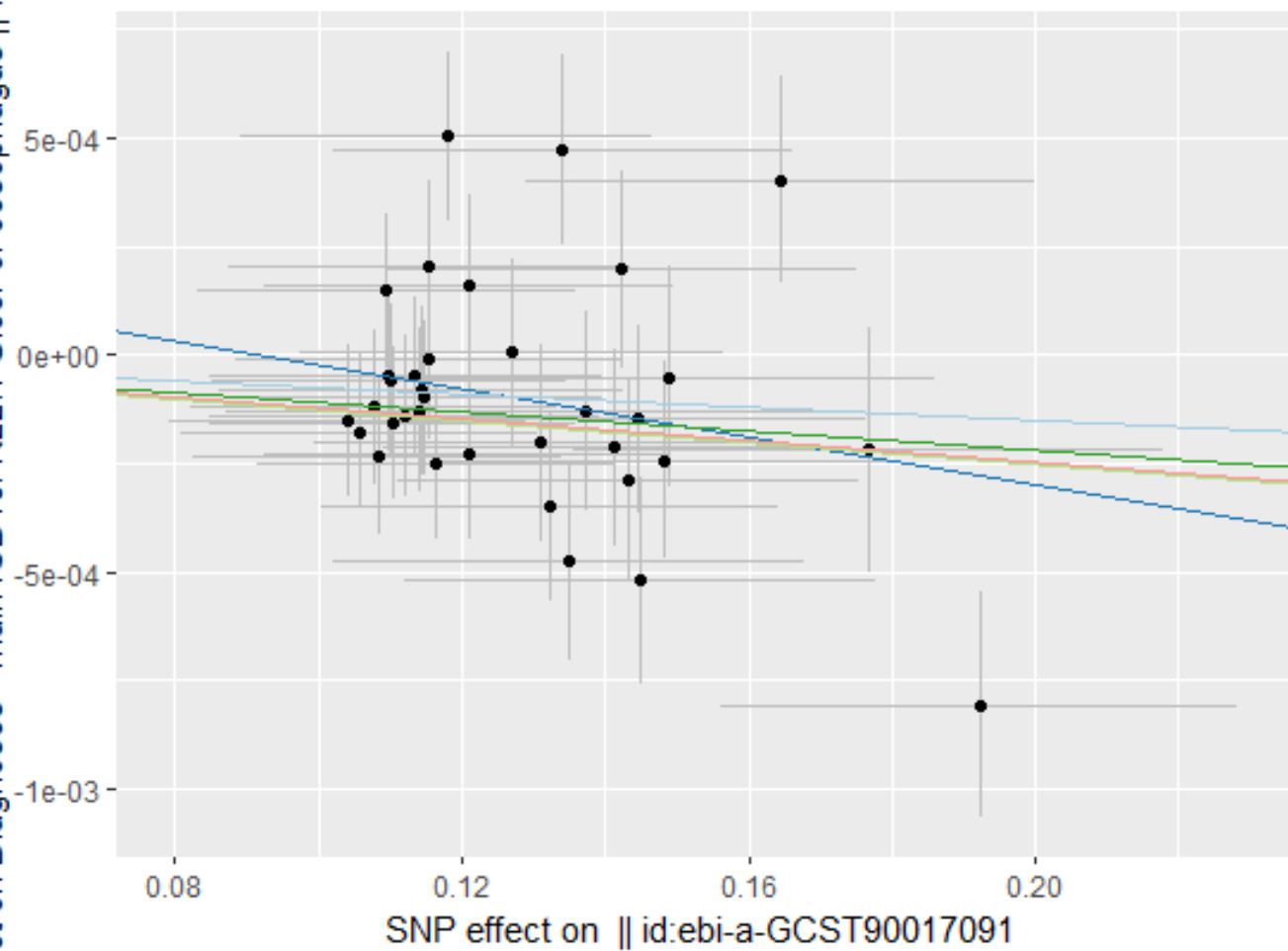
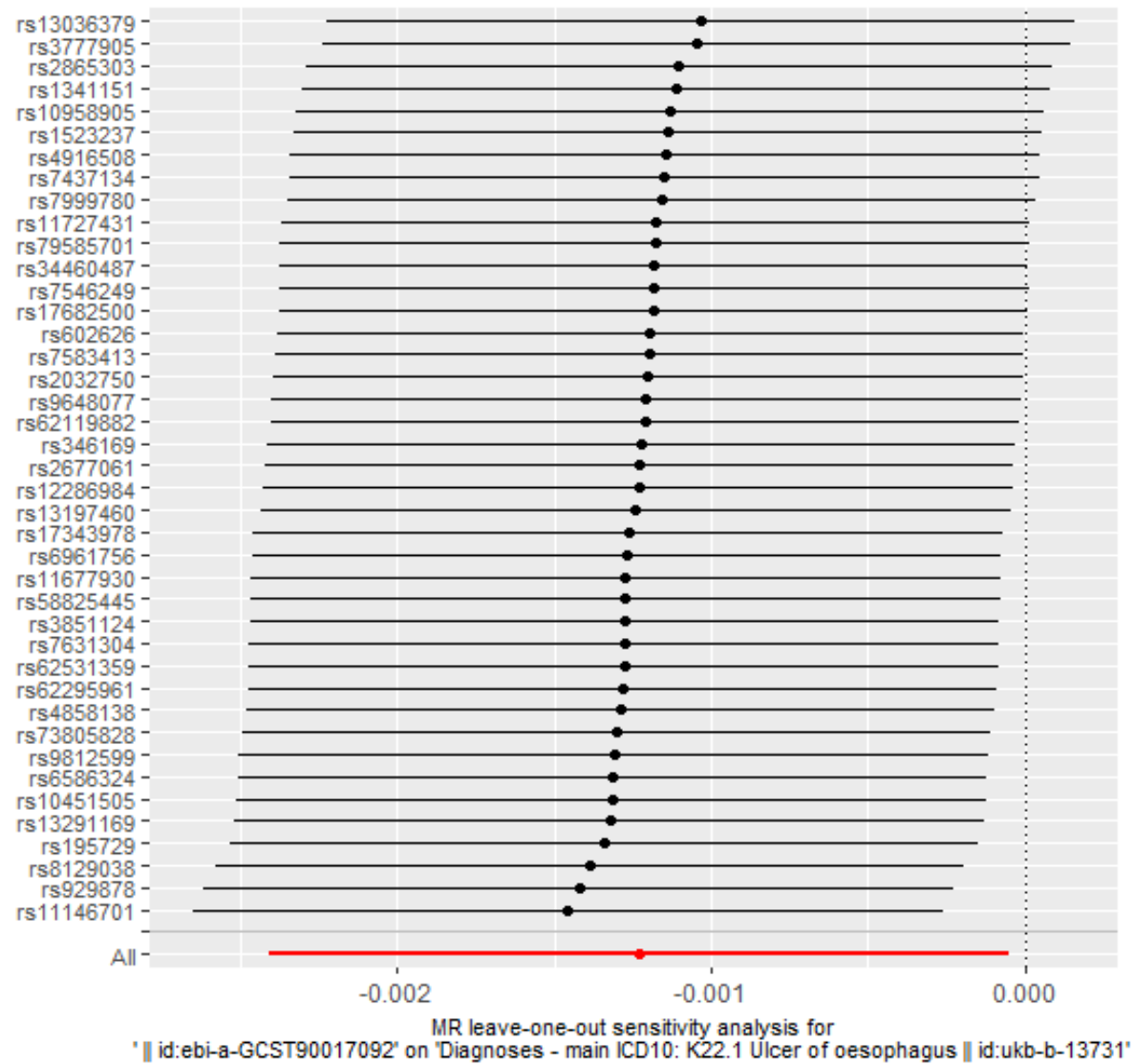
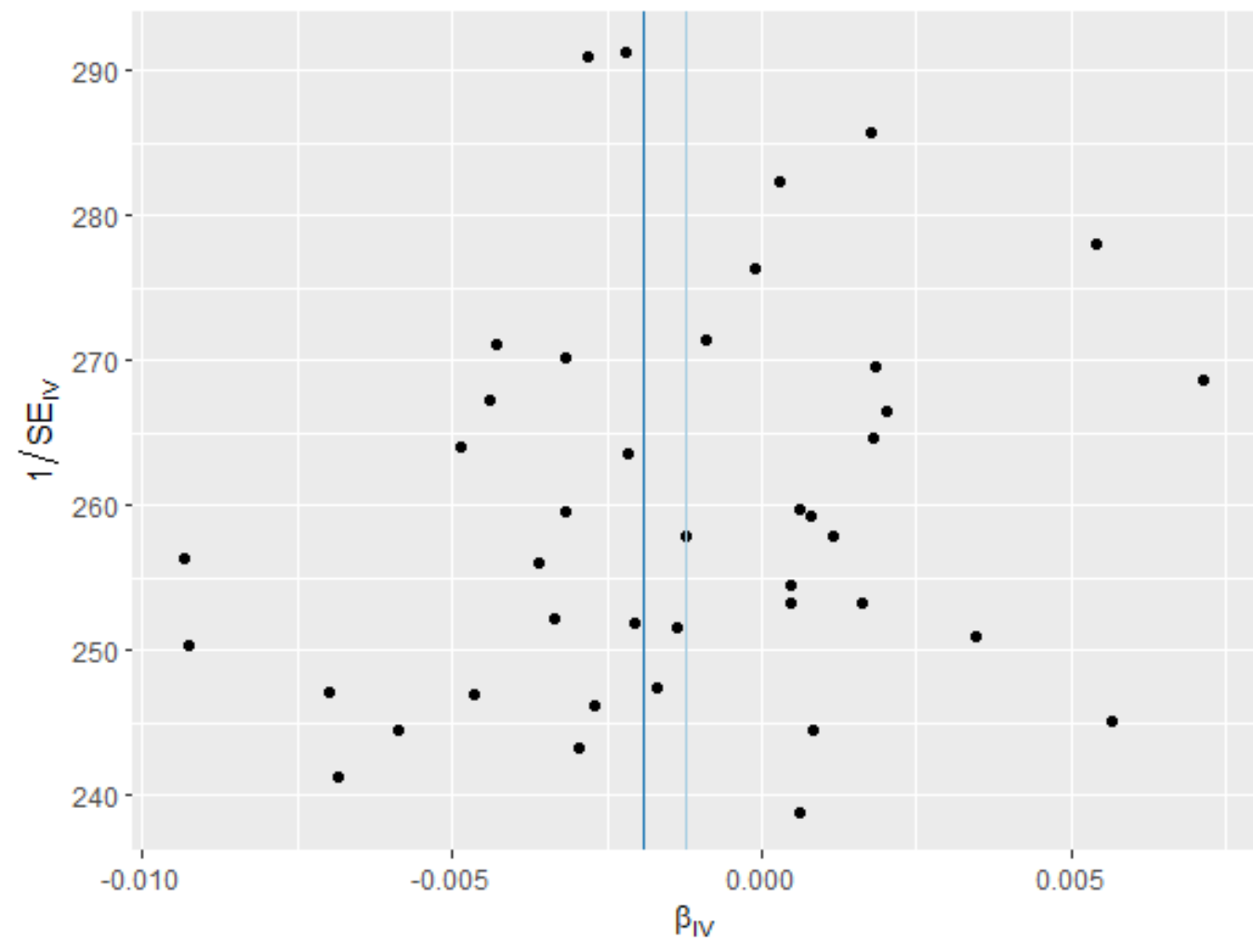


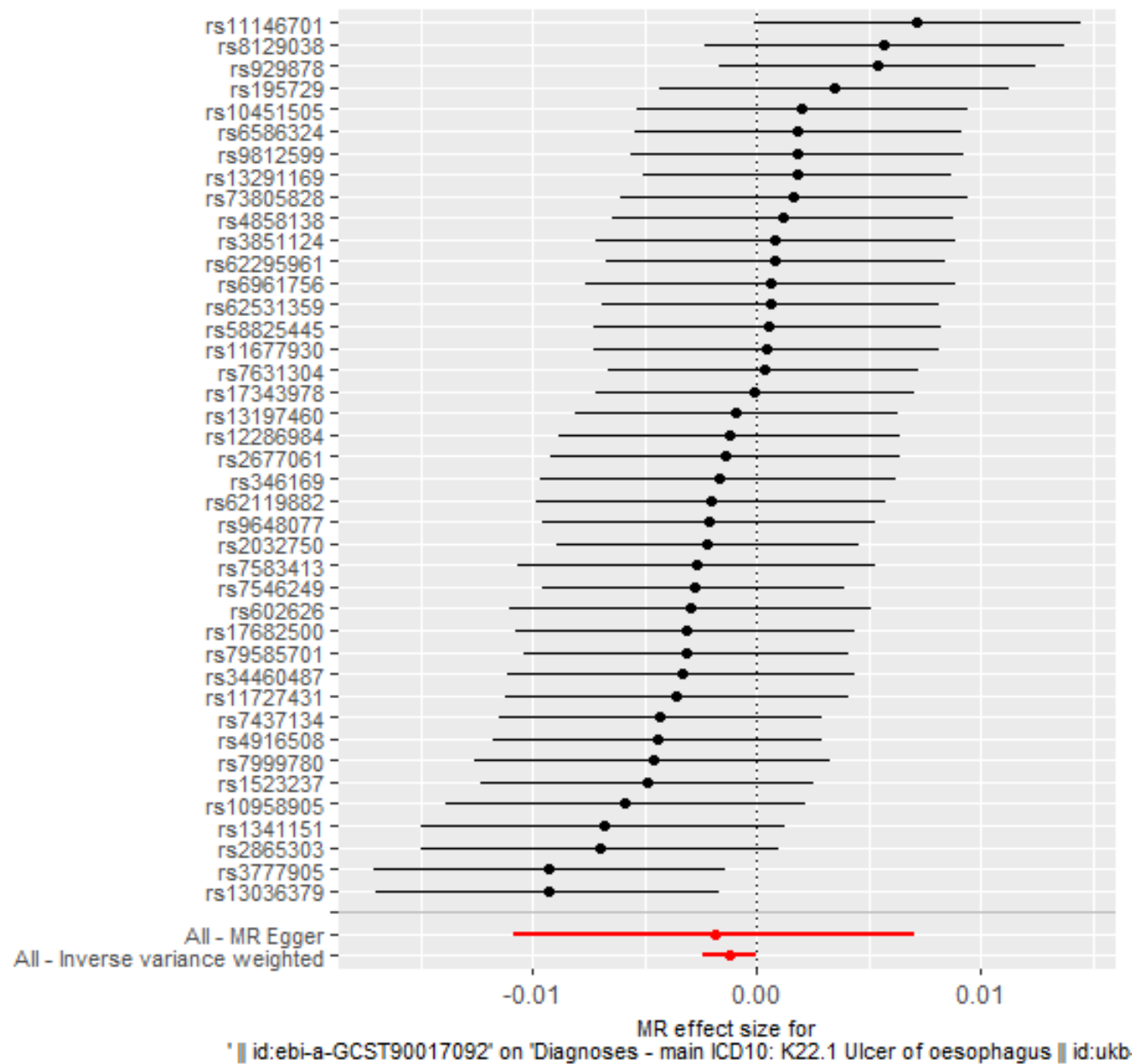
Figure 36 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Bacteroidales id.913) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





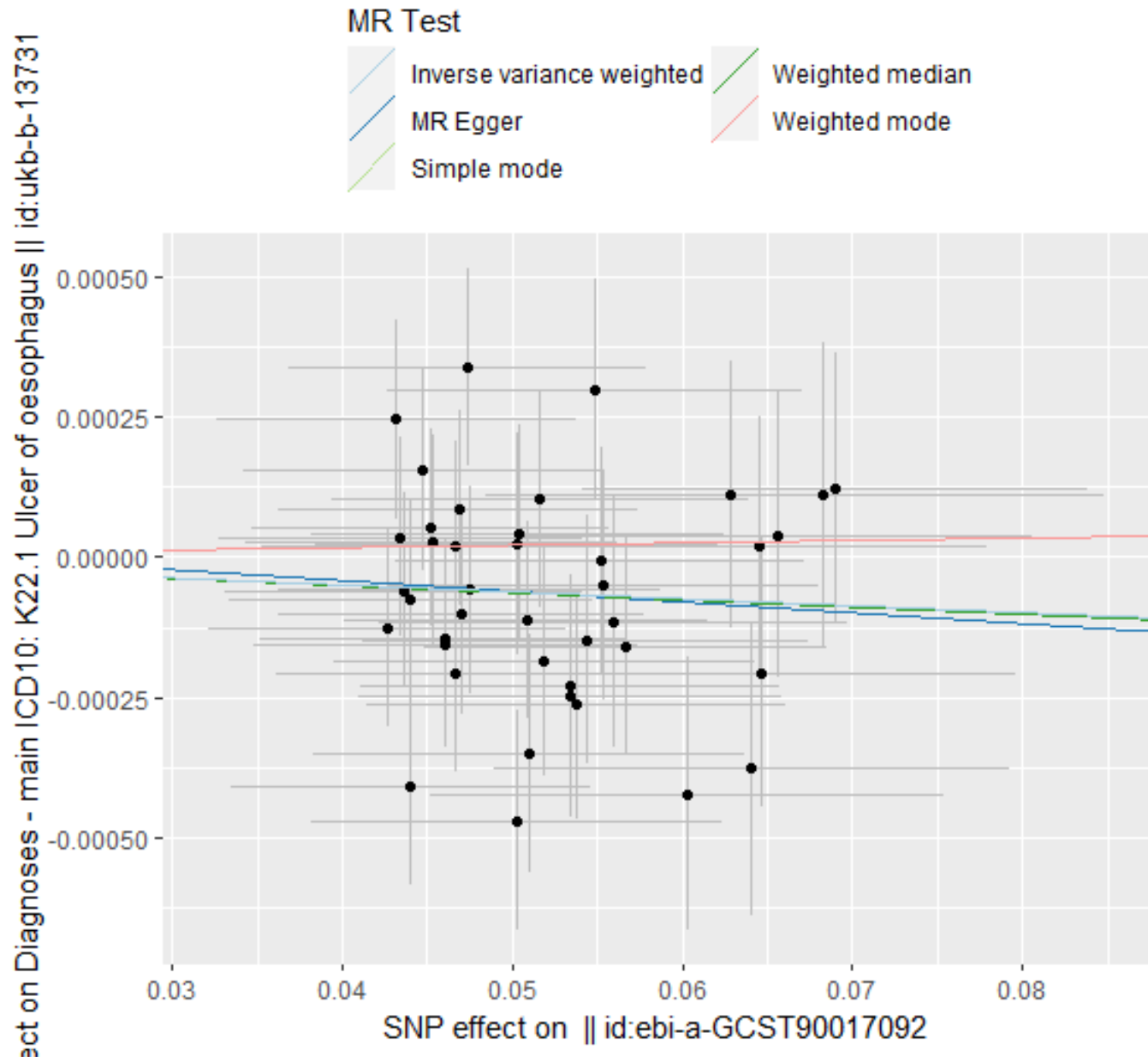
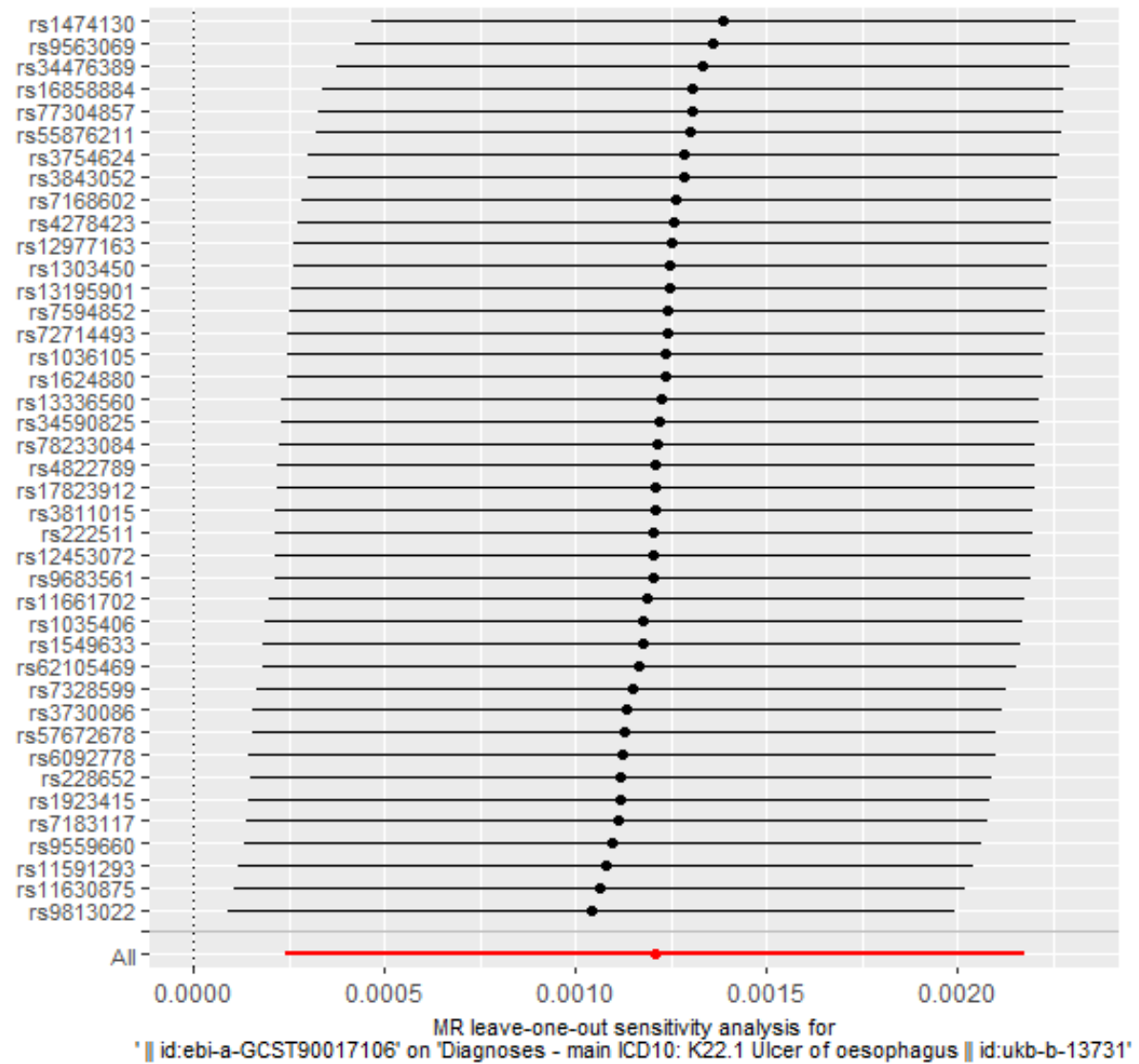
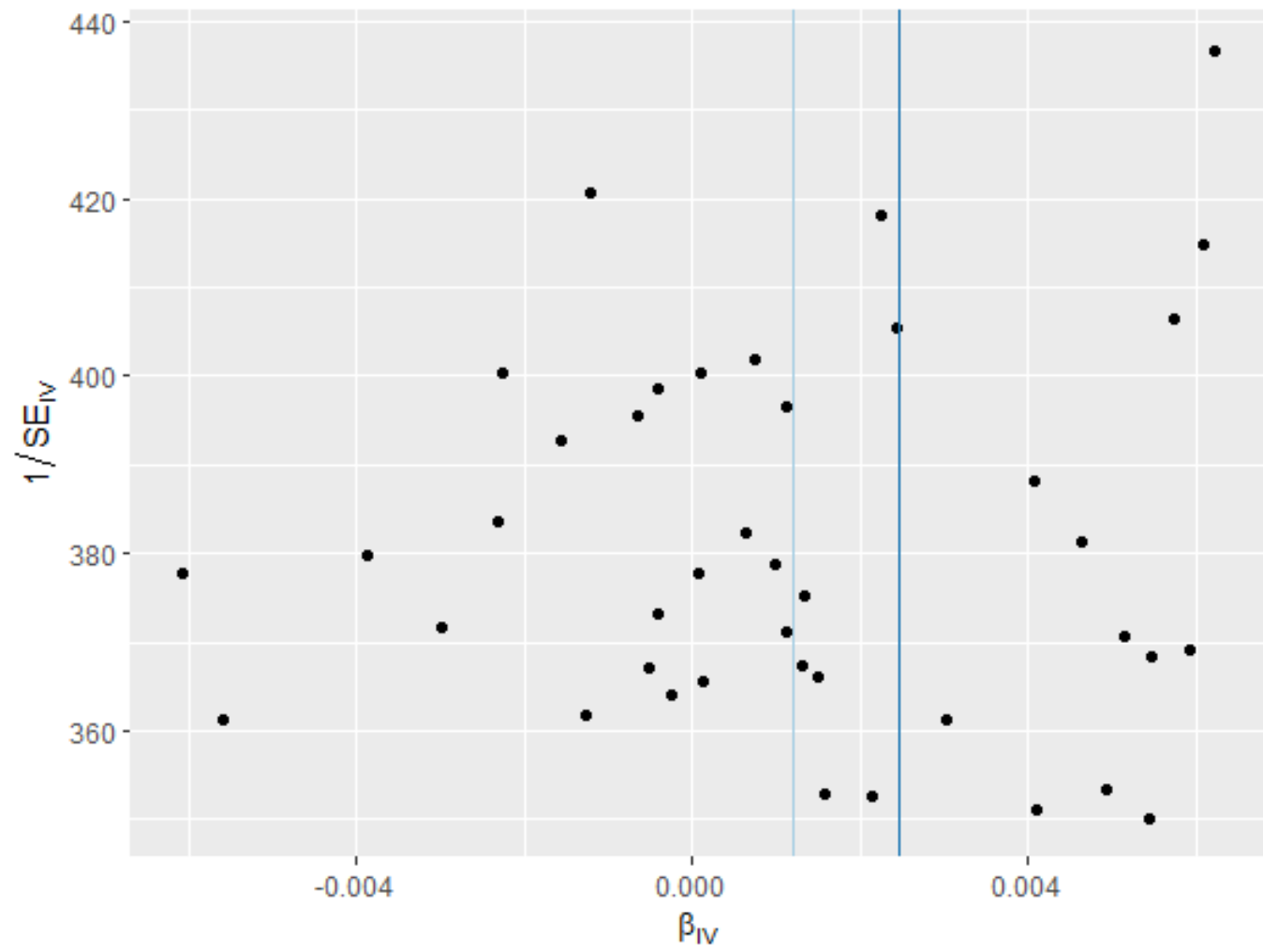


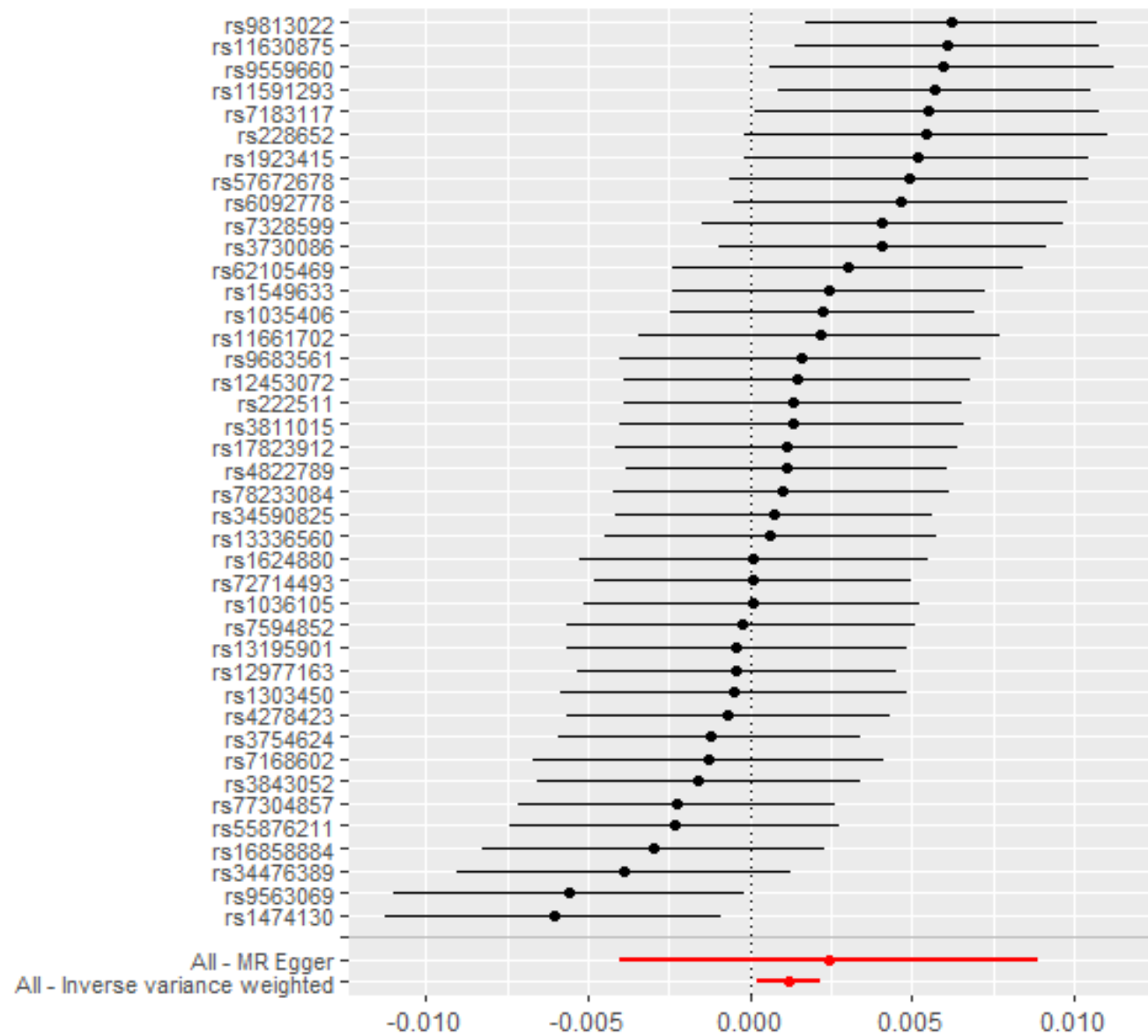
Figure 37 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Rhodospirillales id.2667) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017106' on 'Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-

Effect on Diagnoses - main ICD10: K22.1 Ulcer of oesophagus || id:ukb-b-13731

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

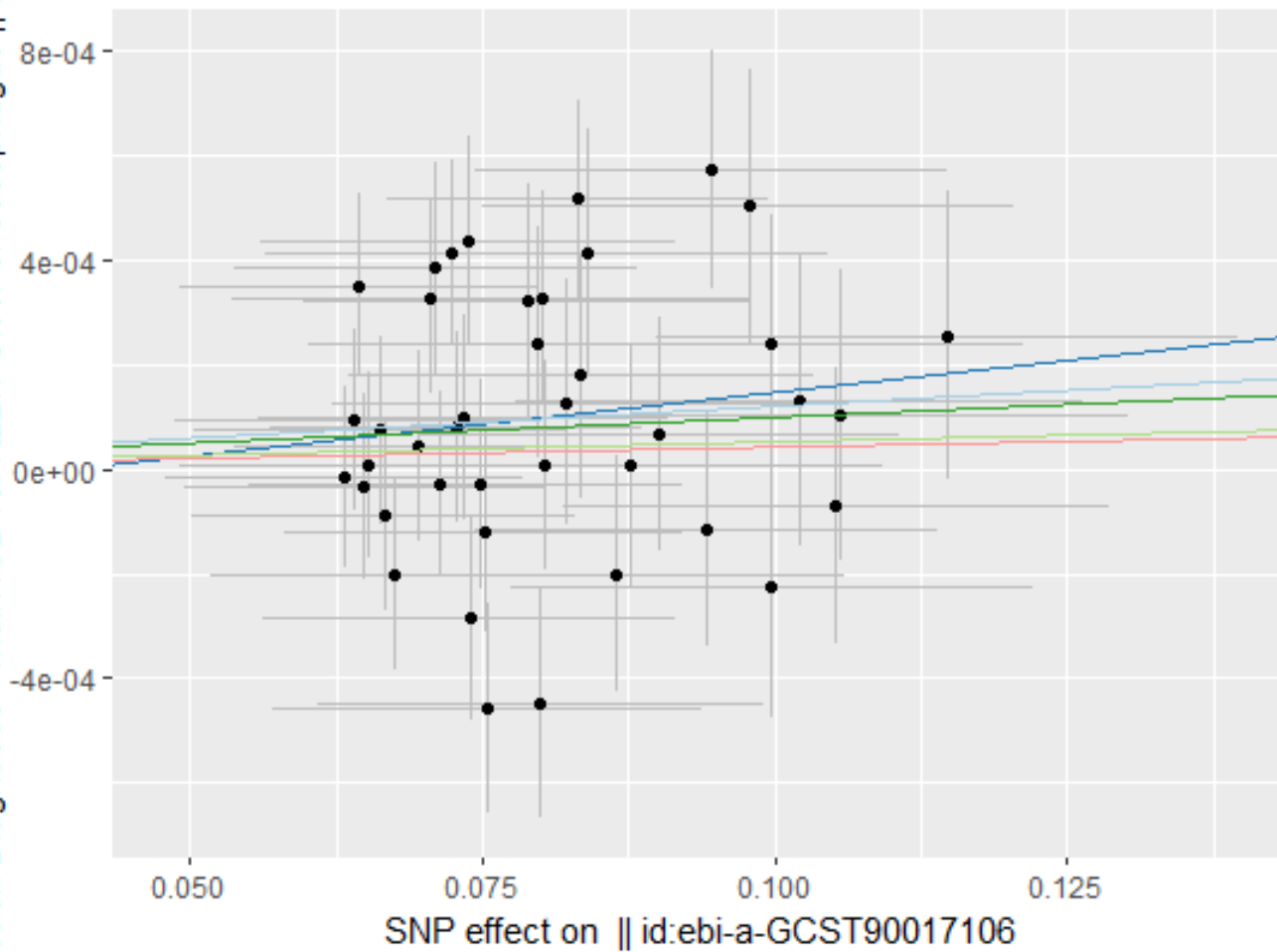
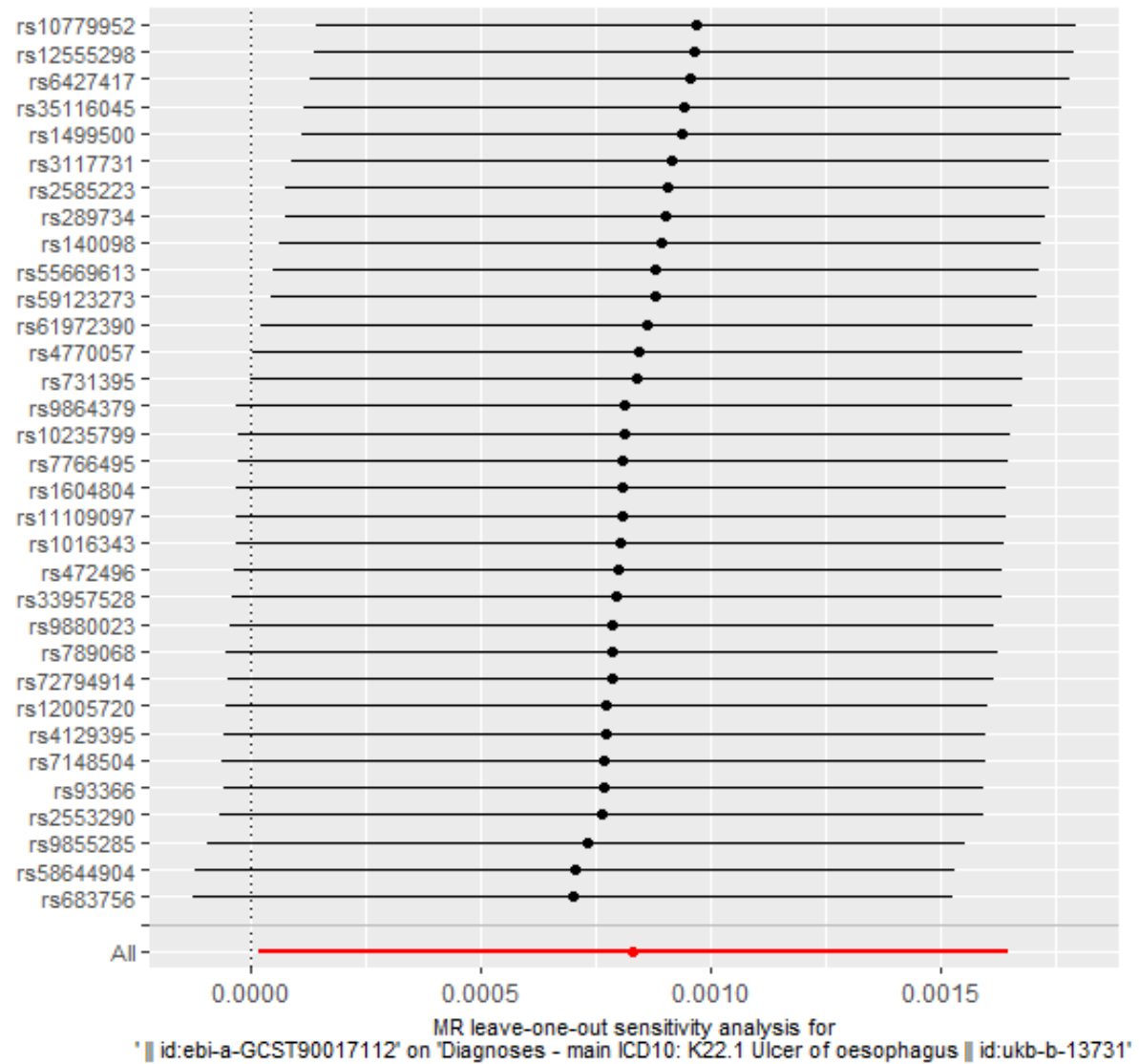
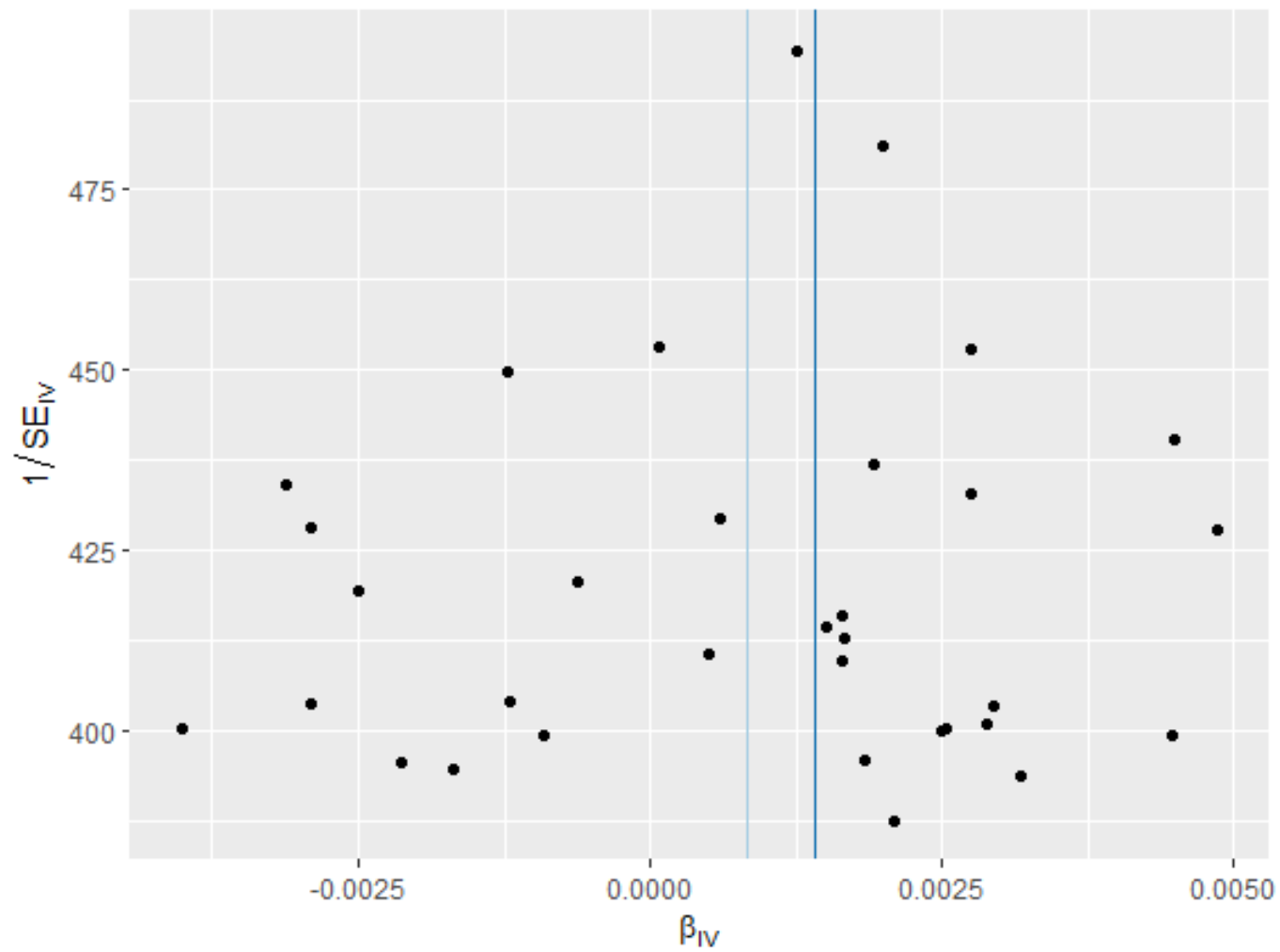


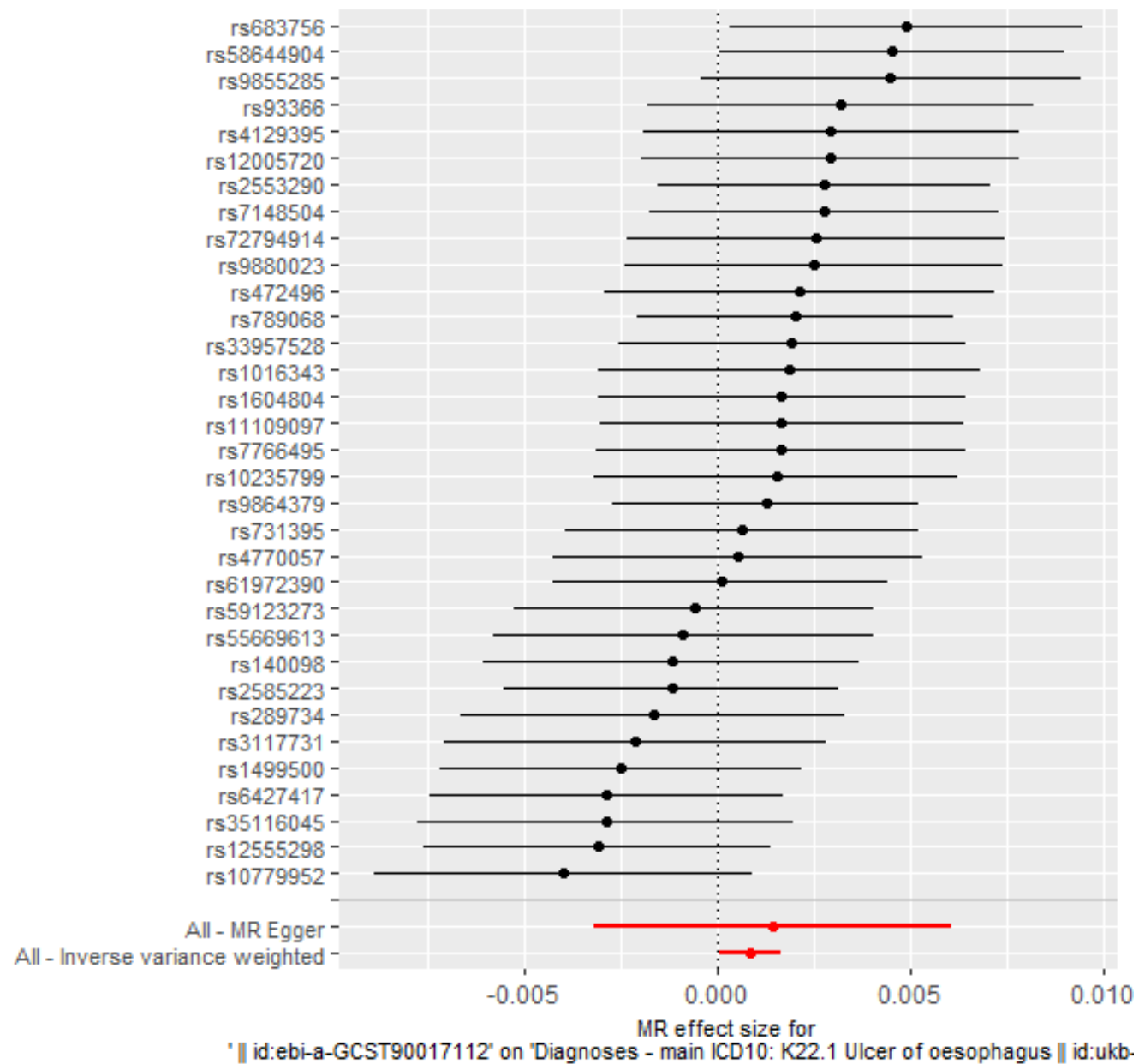
Figure 38 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Cyanobacteria id.1500) on ulcer of oesophagus



MR Method

- Inverse variance weighted
- MR Egger





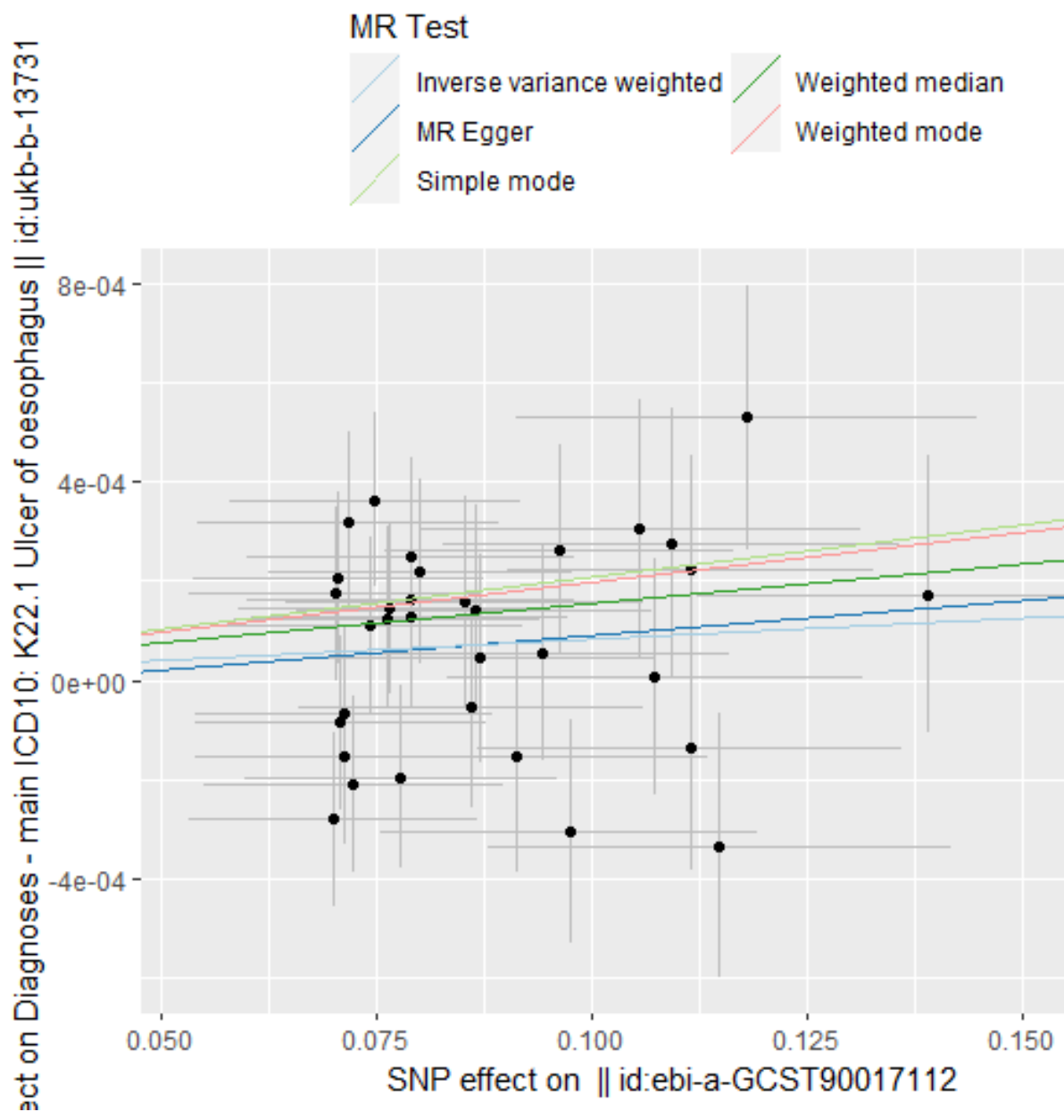
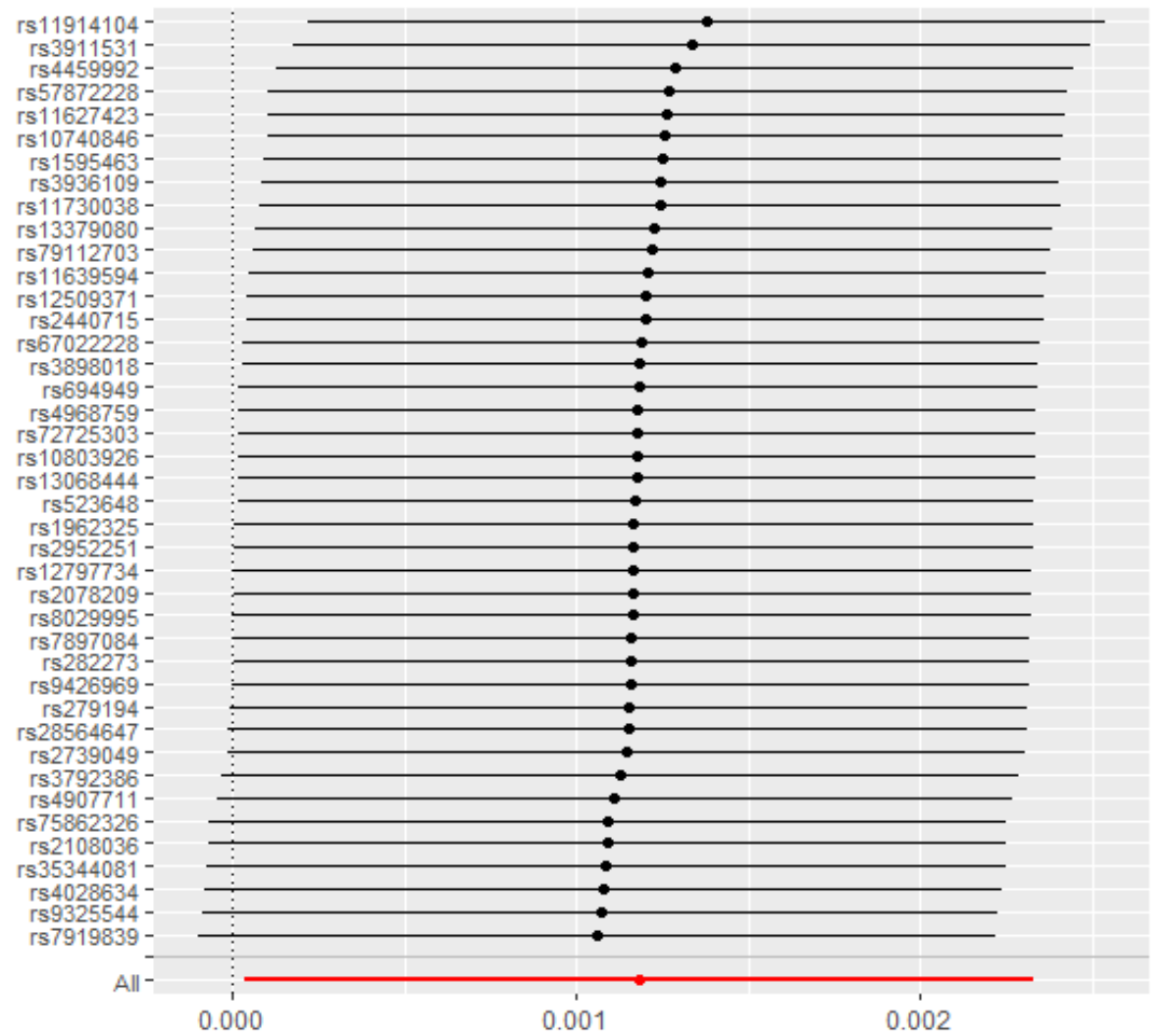


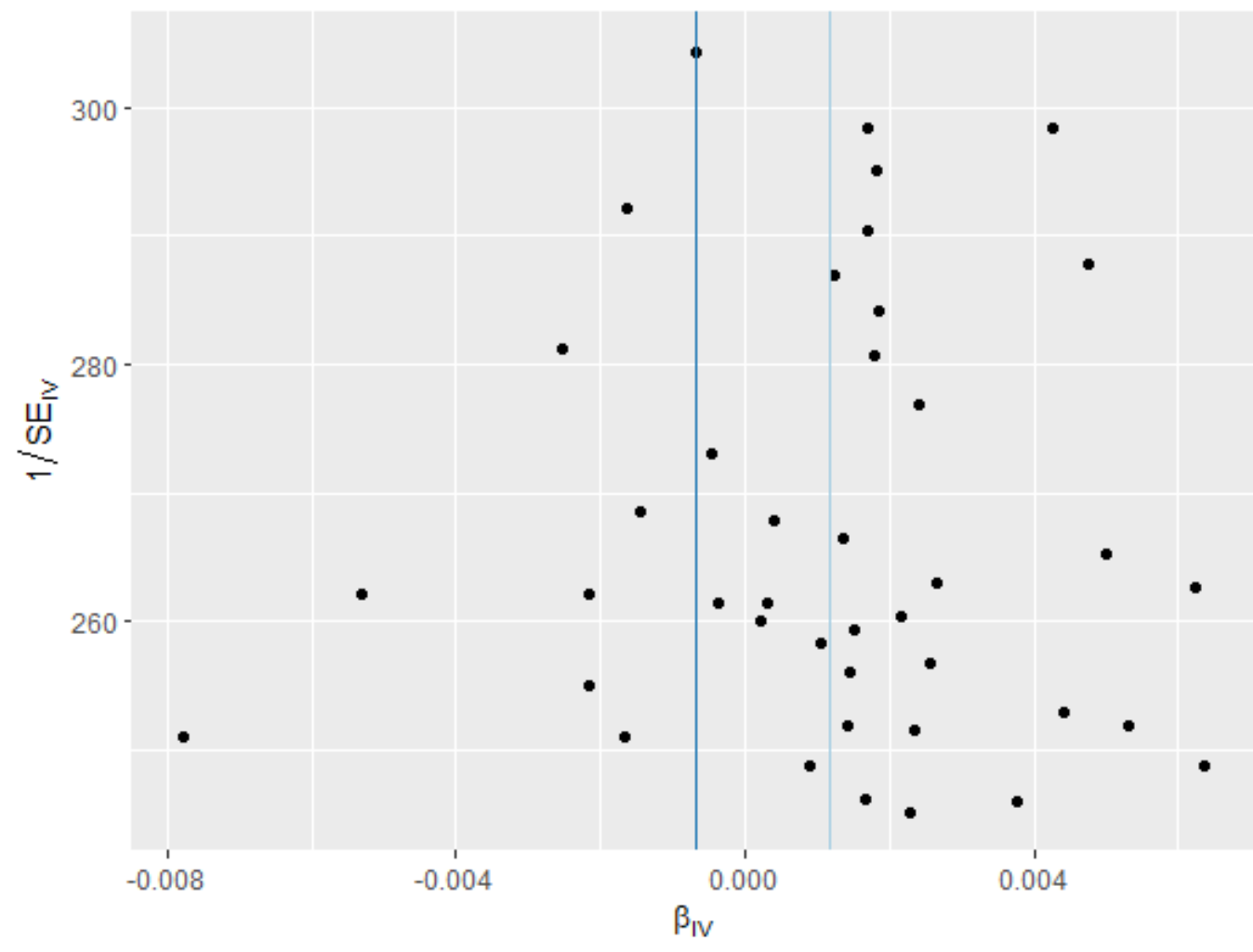
Figure 39 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Bacilli id.1673) on gastric ulcer

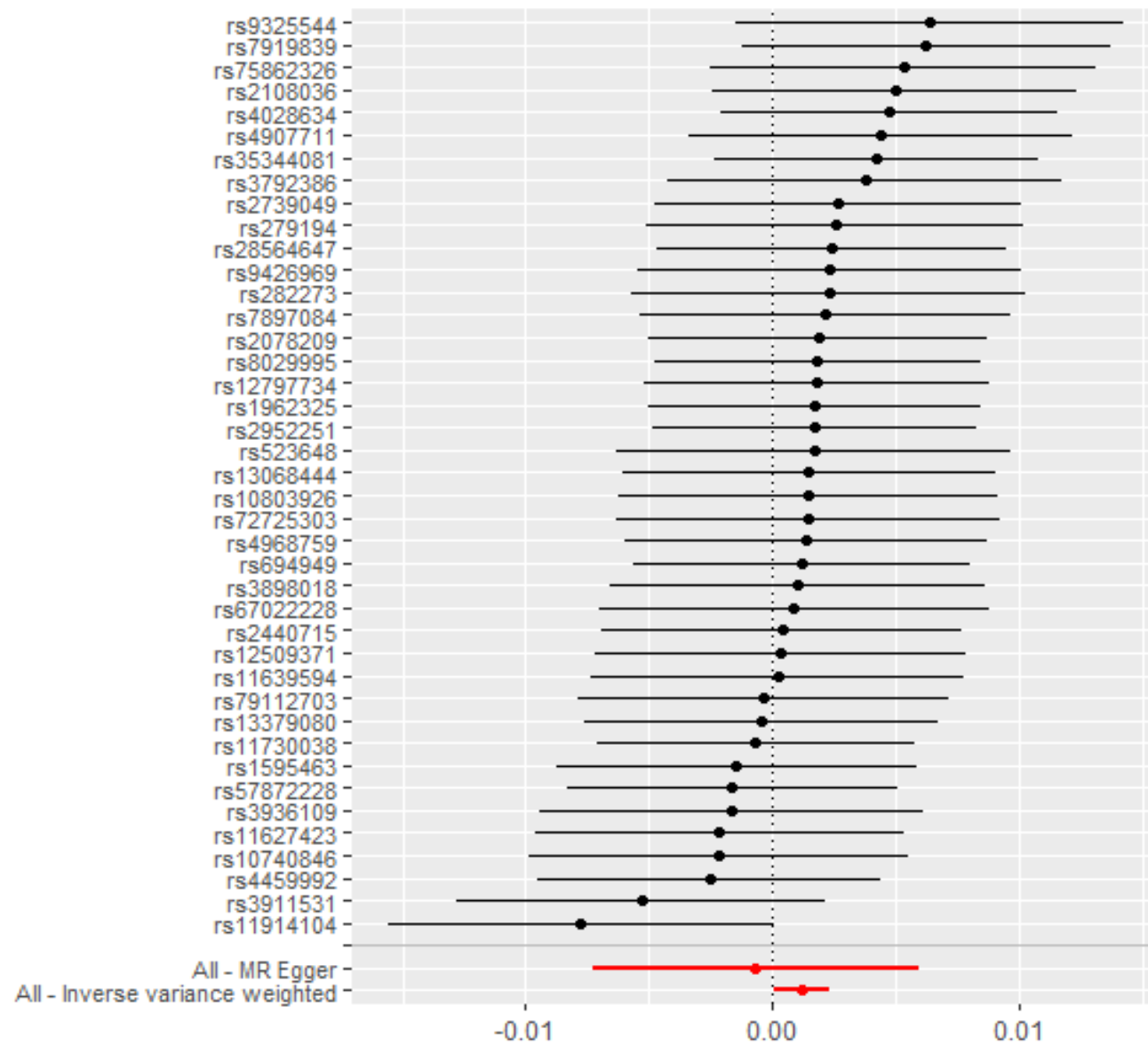


MR leave-one-out sensitivity analysis for
' || id:ebi-a-GCST90016910' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20

MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016910' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || k

n Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-2007E

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

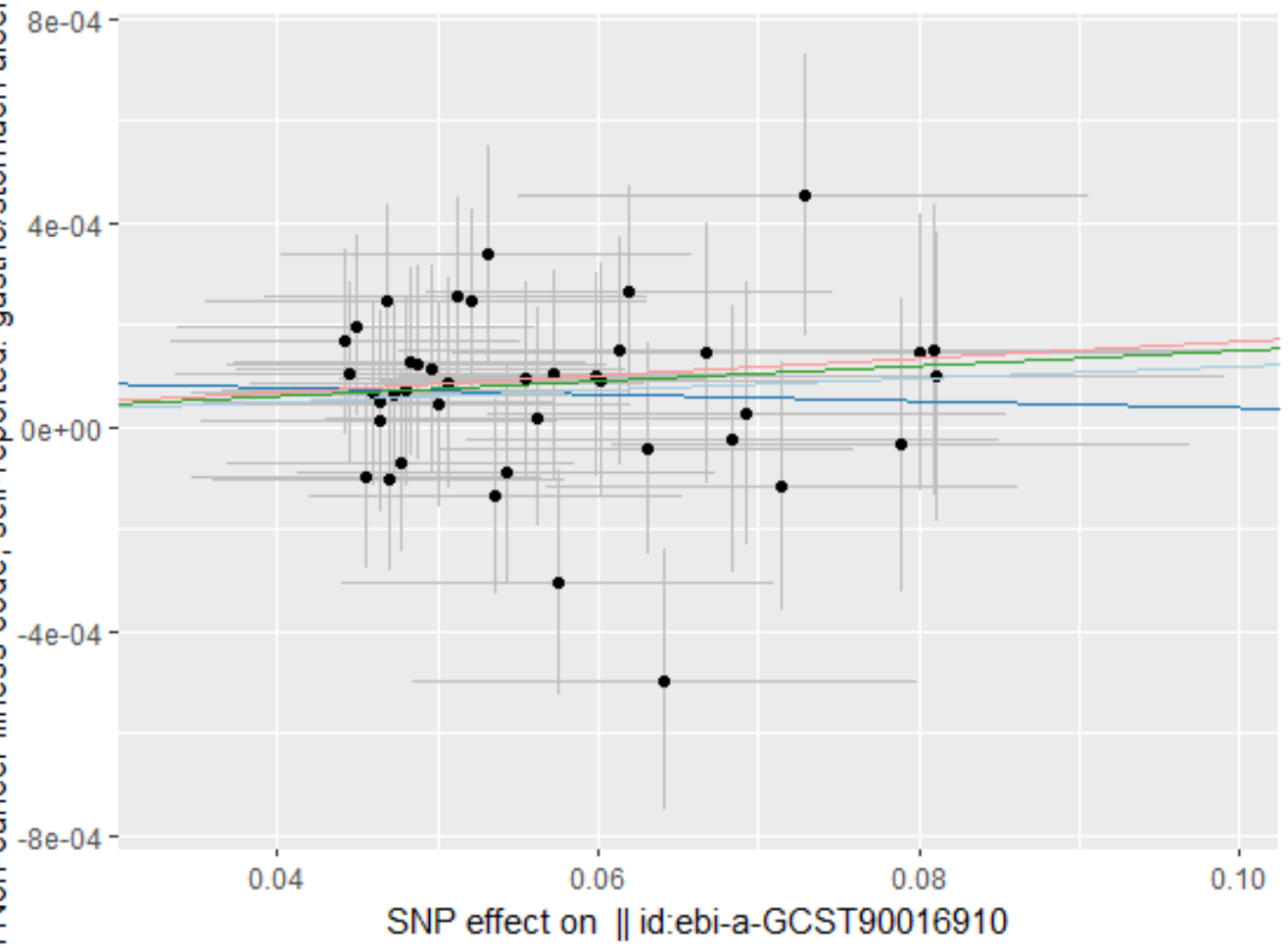
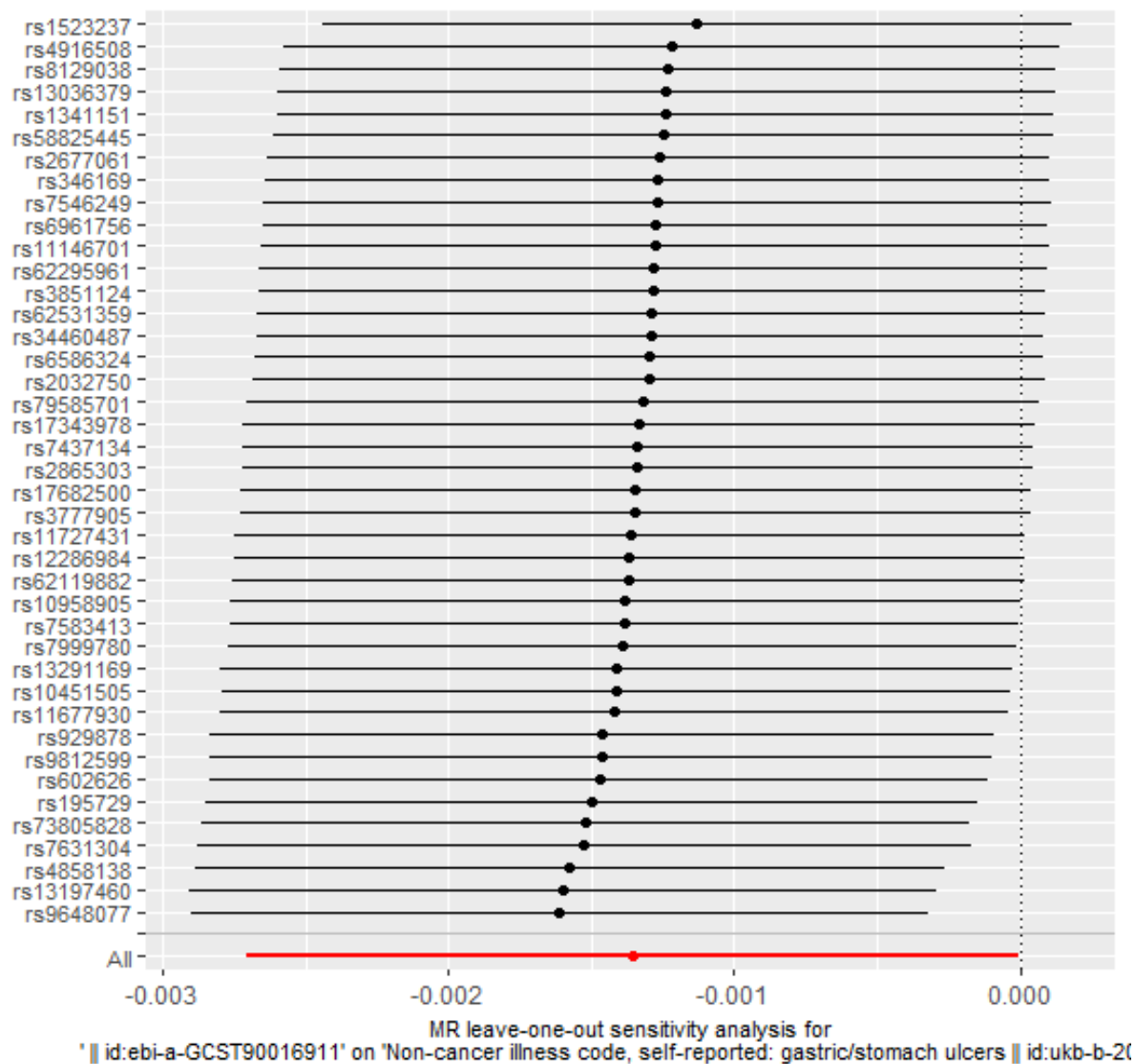
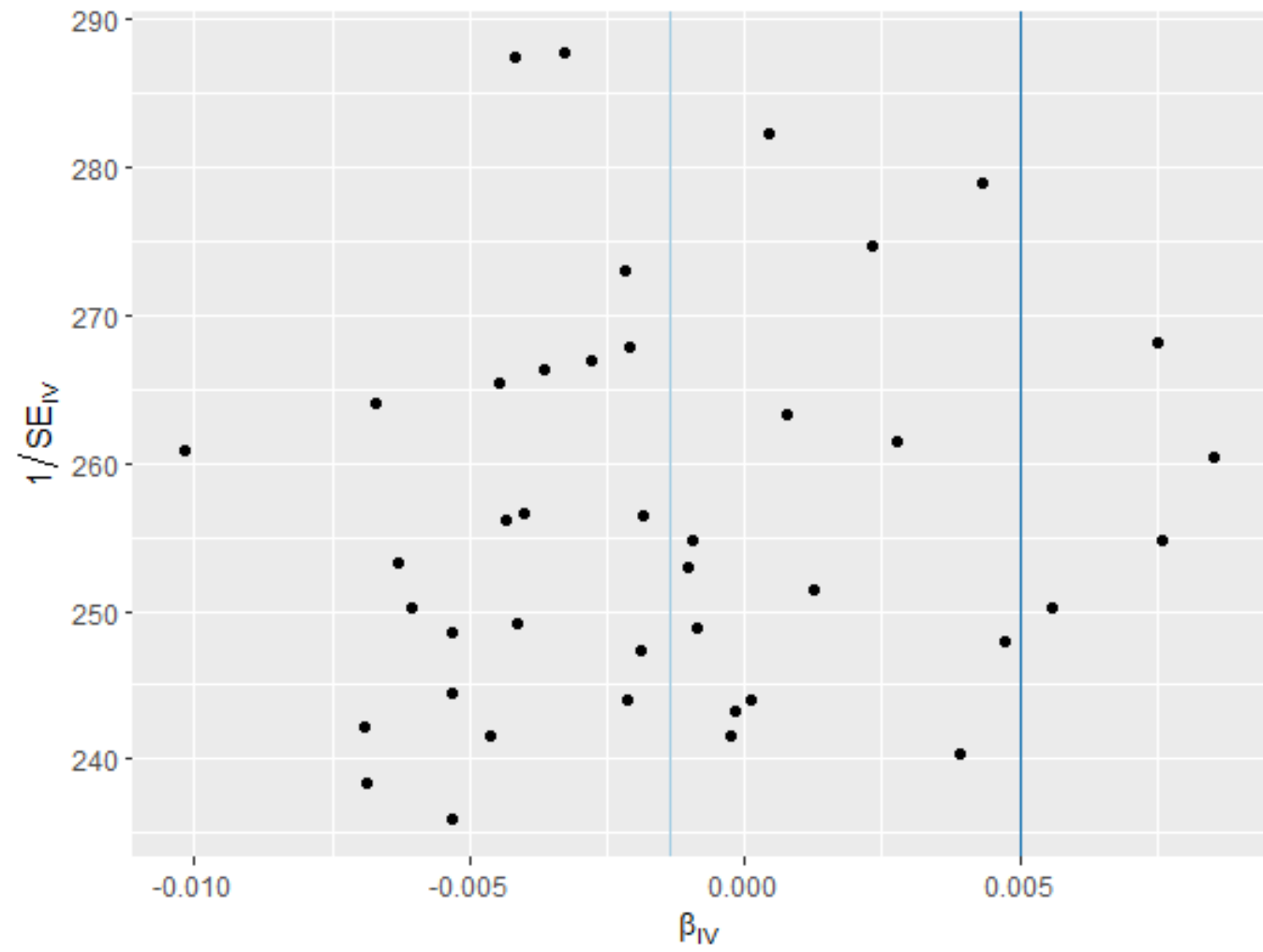


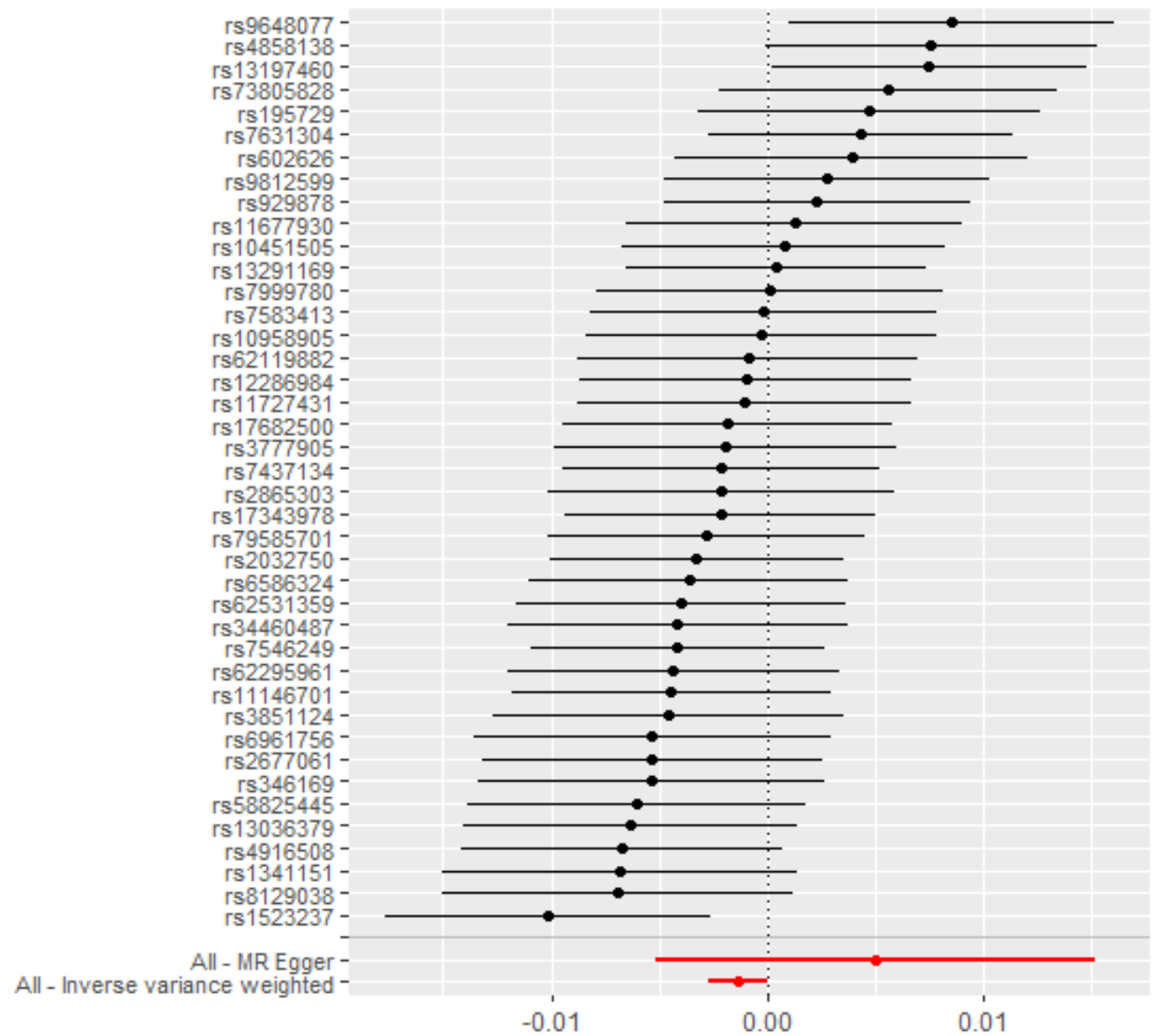
Figure 40 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Bacteroidia id.912) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016911' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || k

n Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-2007E

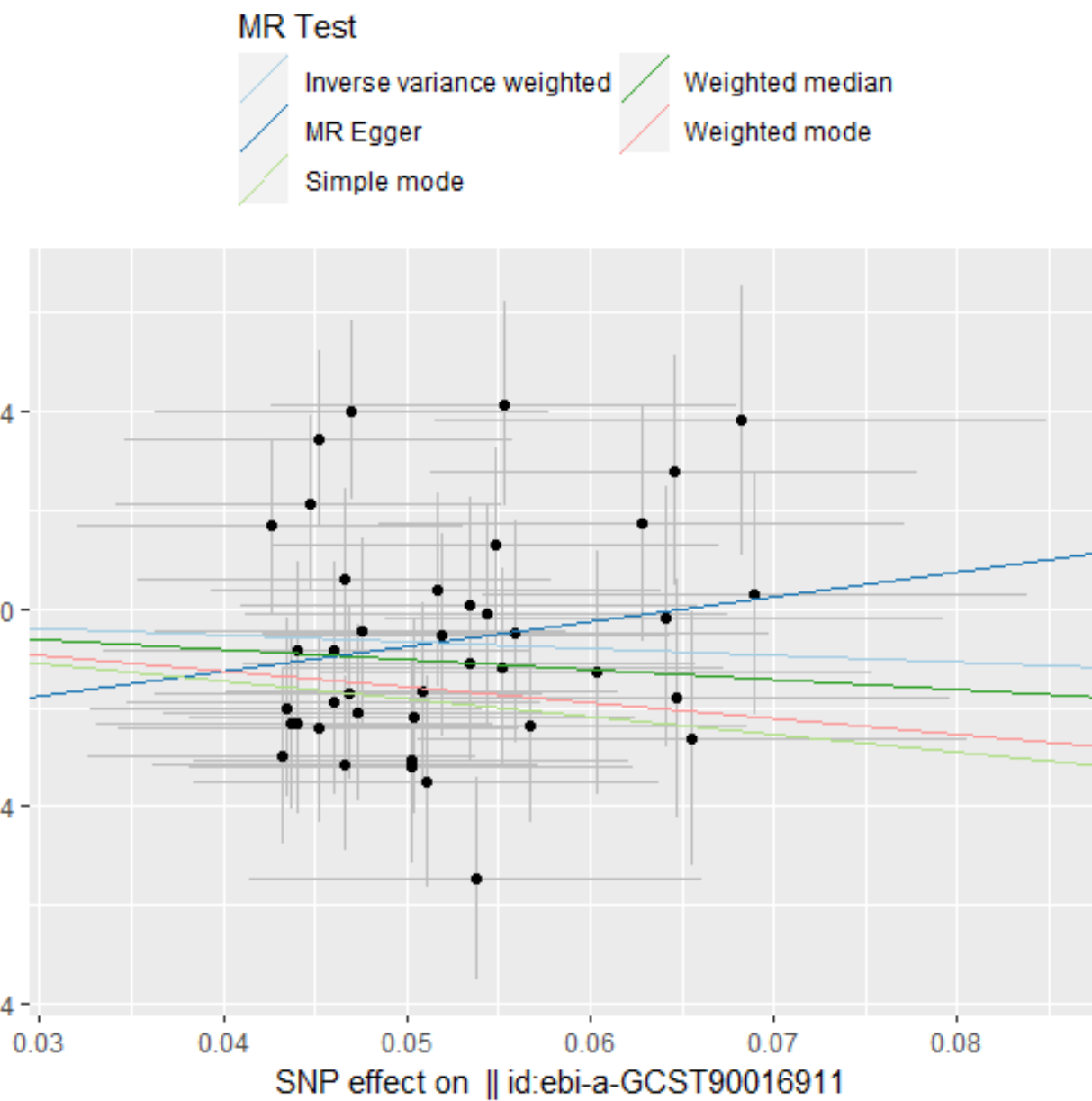
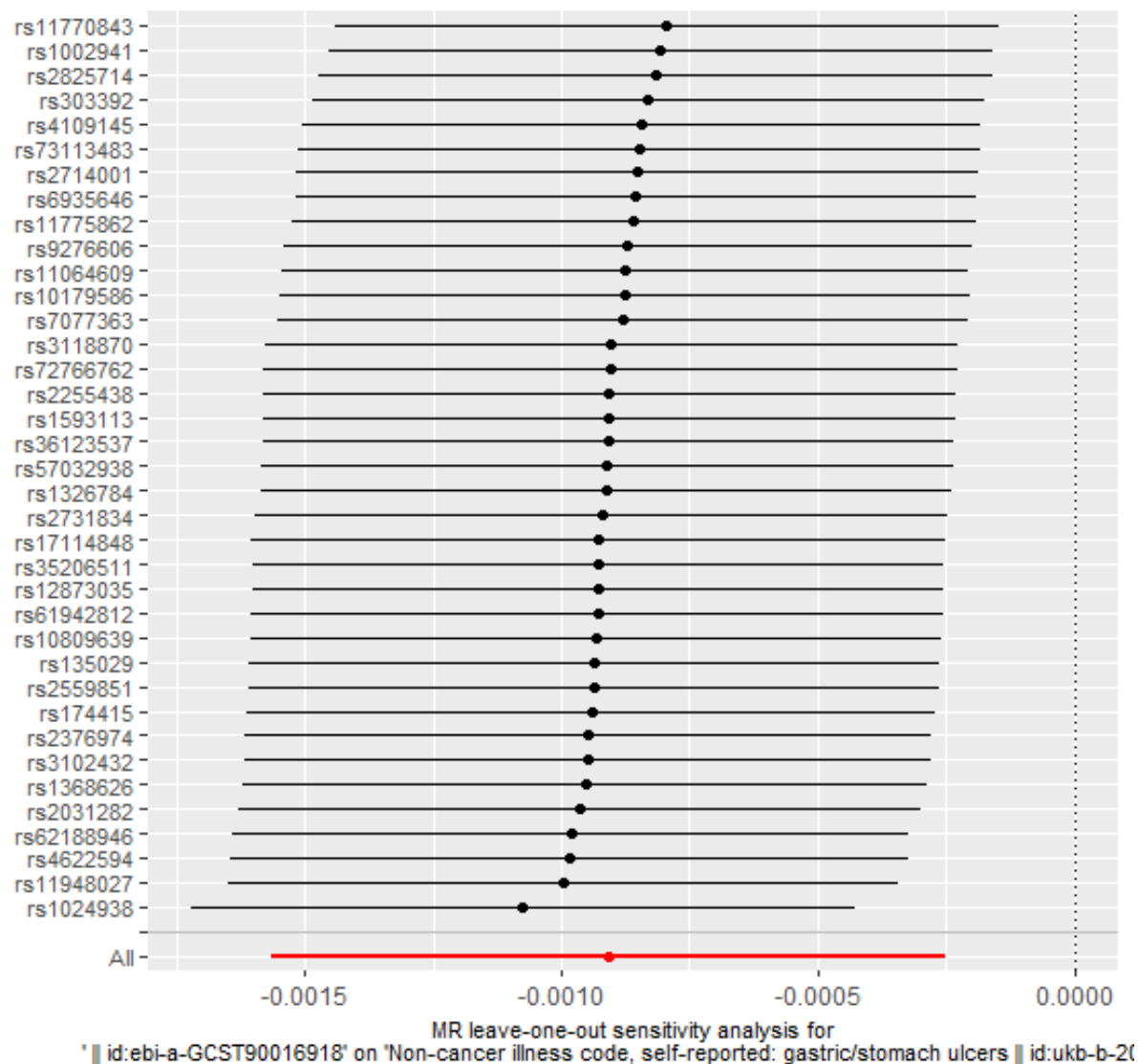
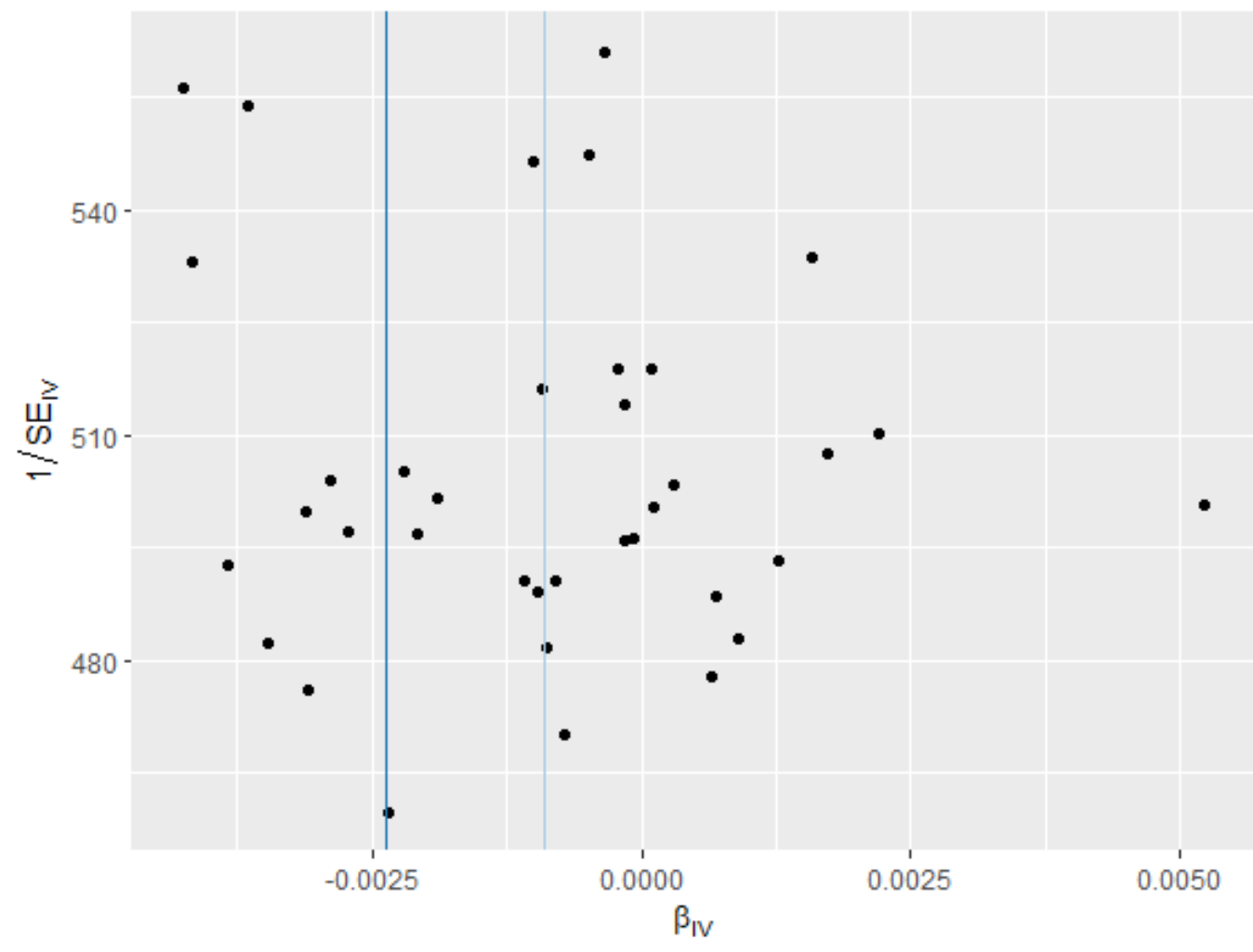


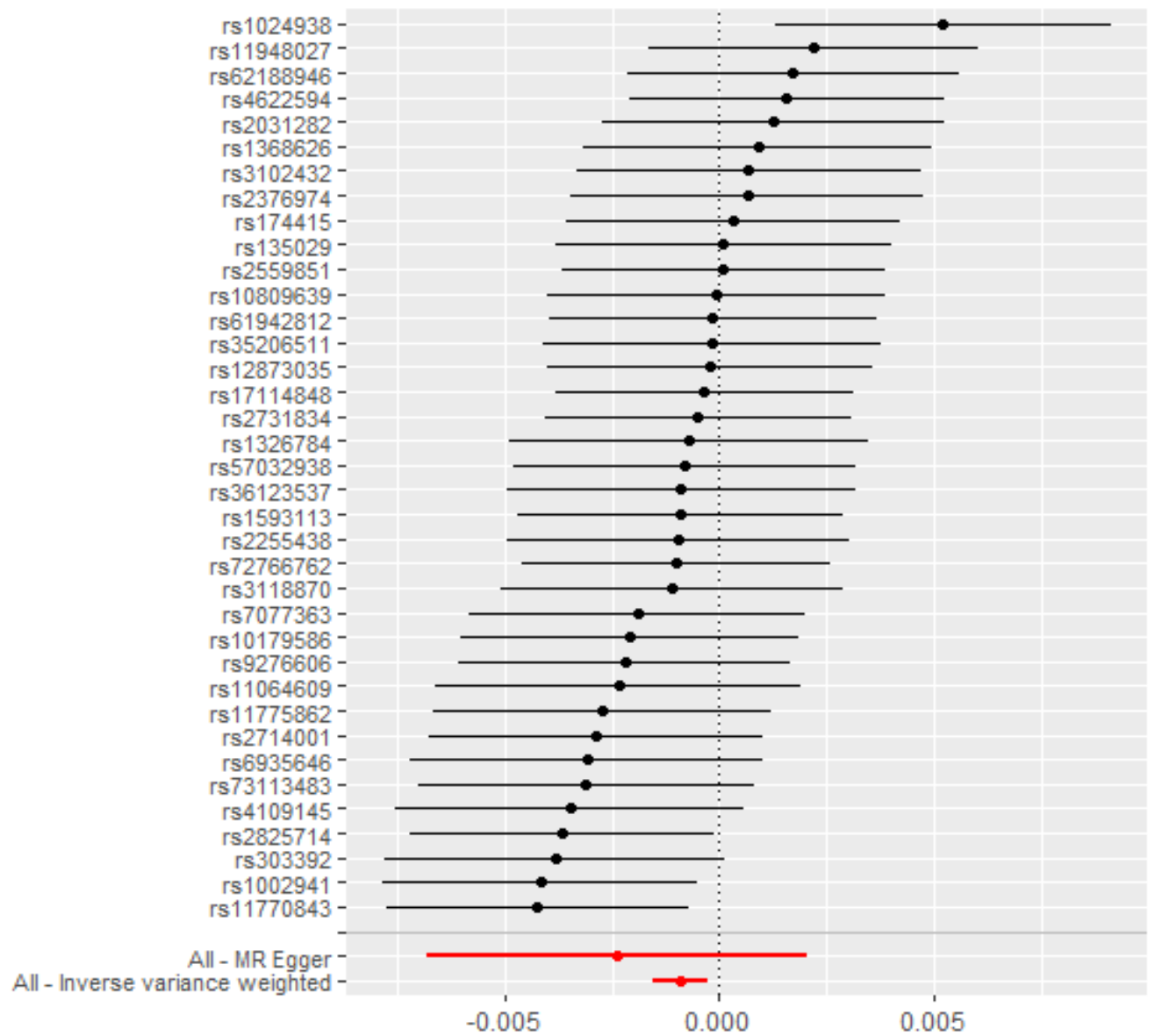
Figure 41 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class *Lentisphaeria* id.2250) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90016918' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || k

n Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-2007E

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

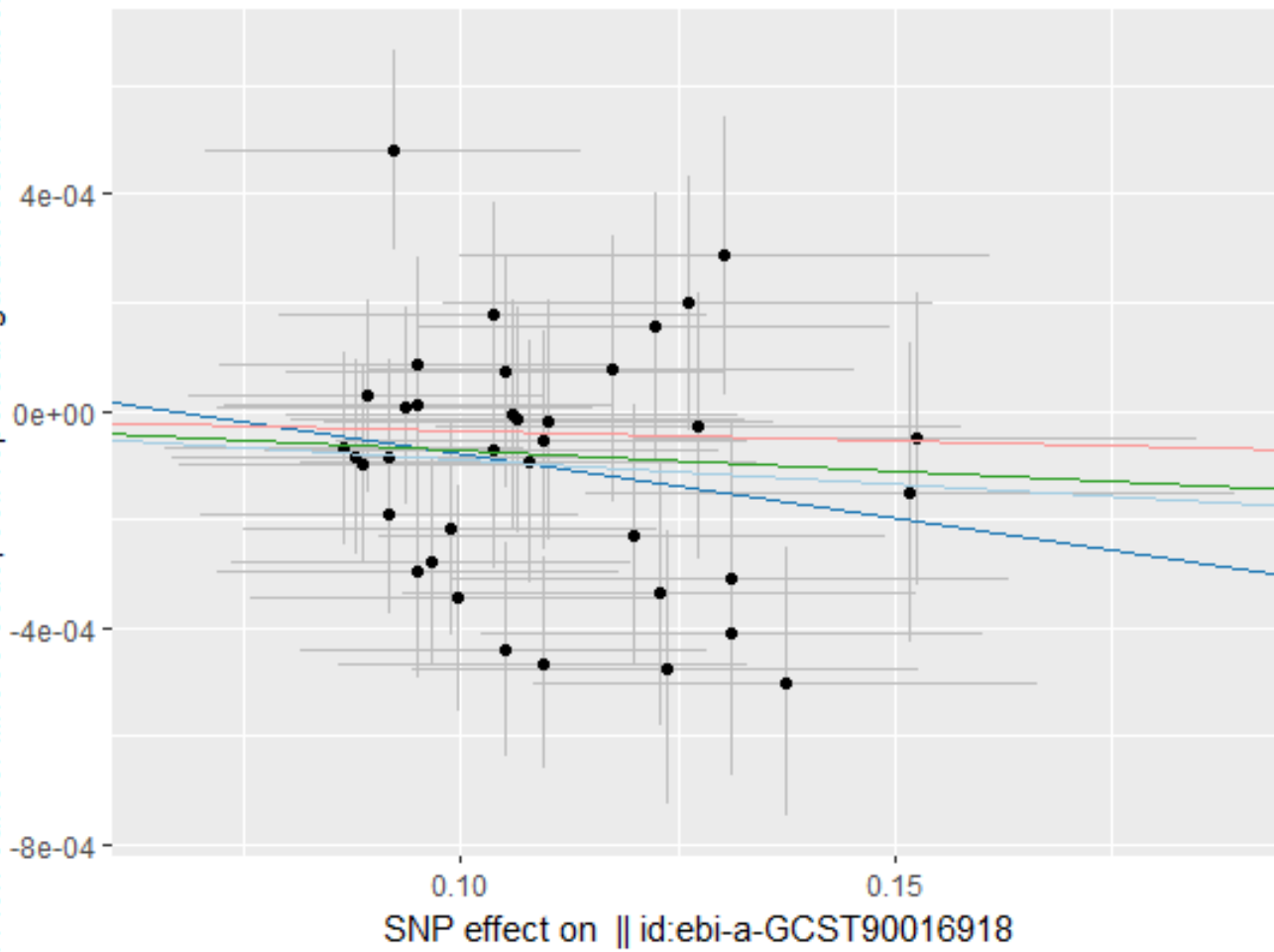
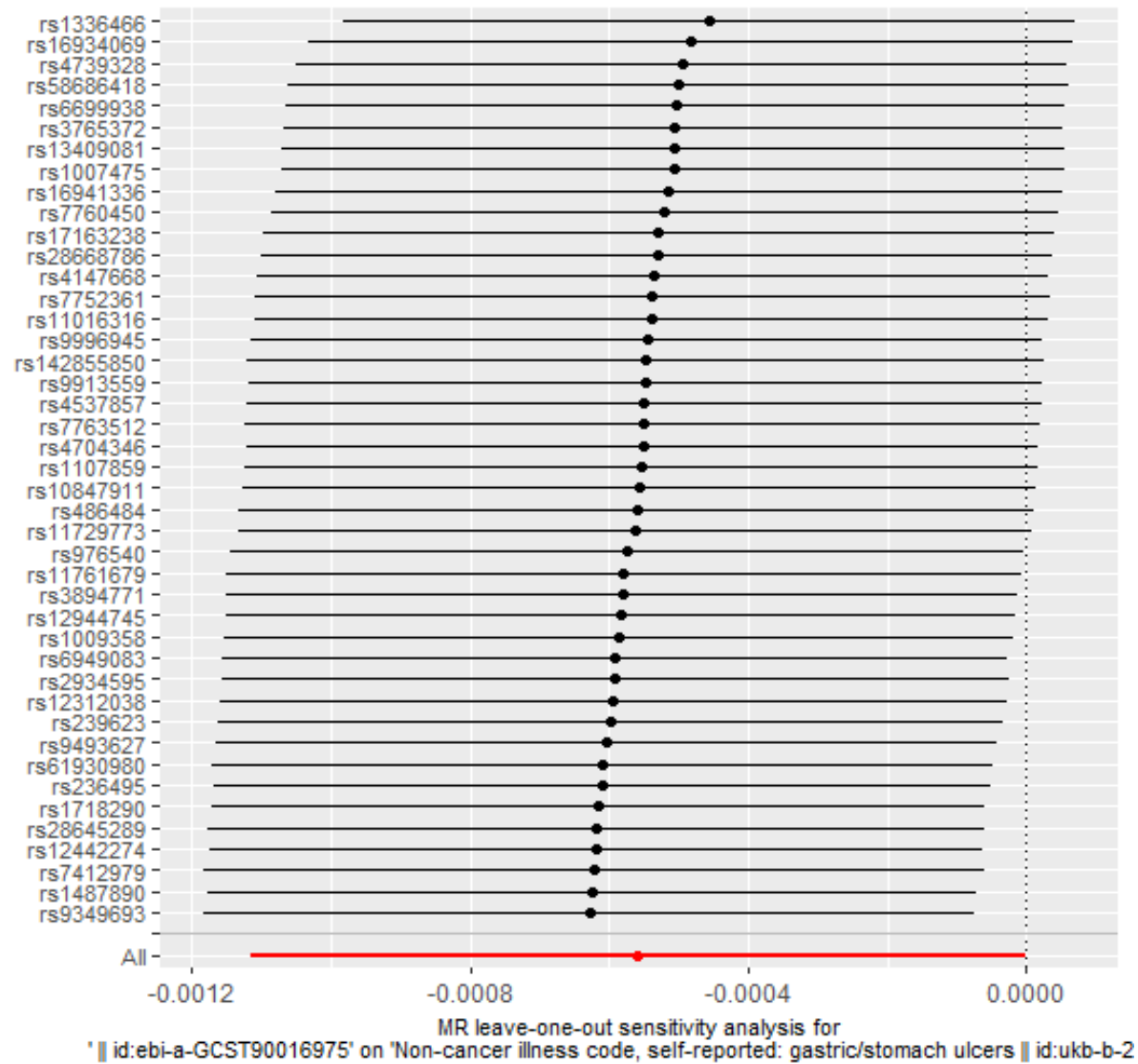
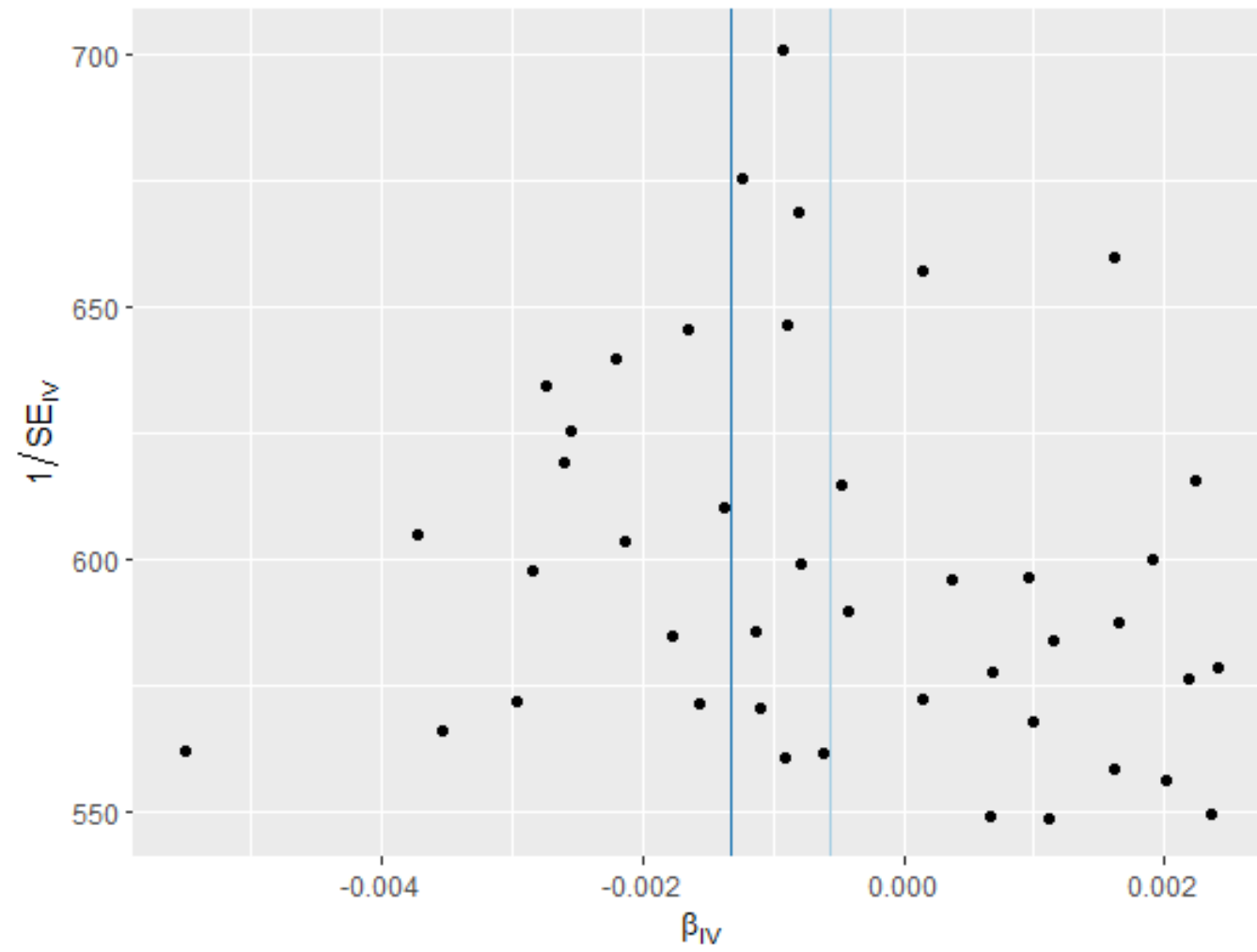


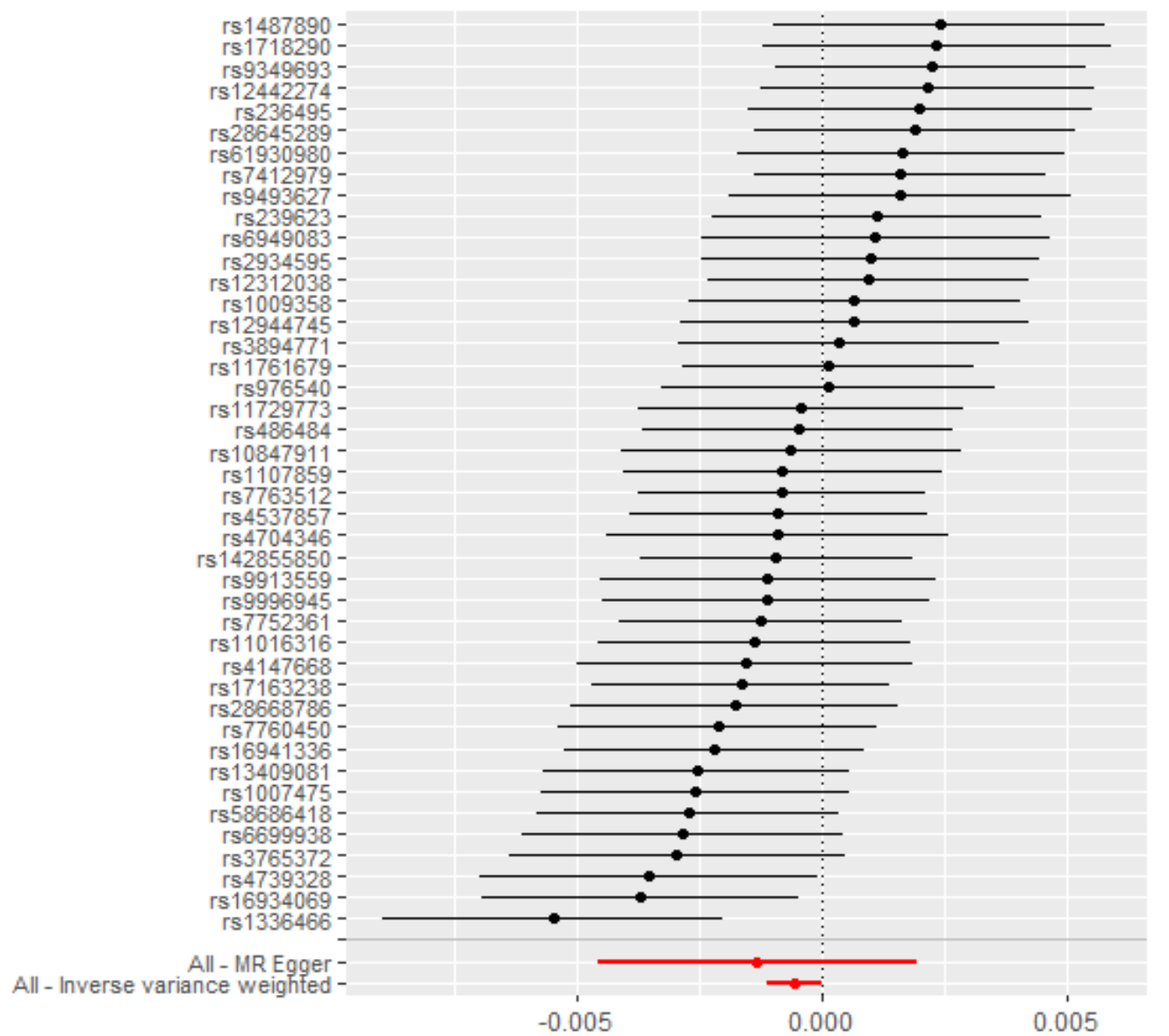
Figure 42 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Butyrivibrio* id.1993) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90016975' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || k

n Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-2007E

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

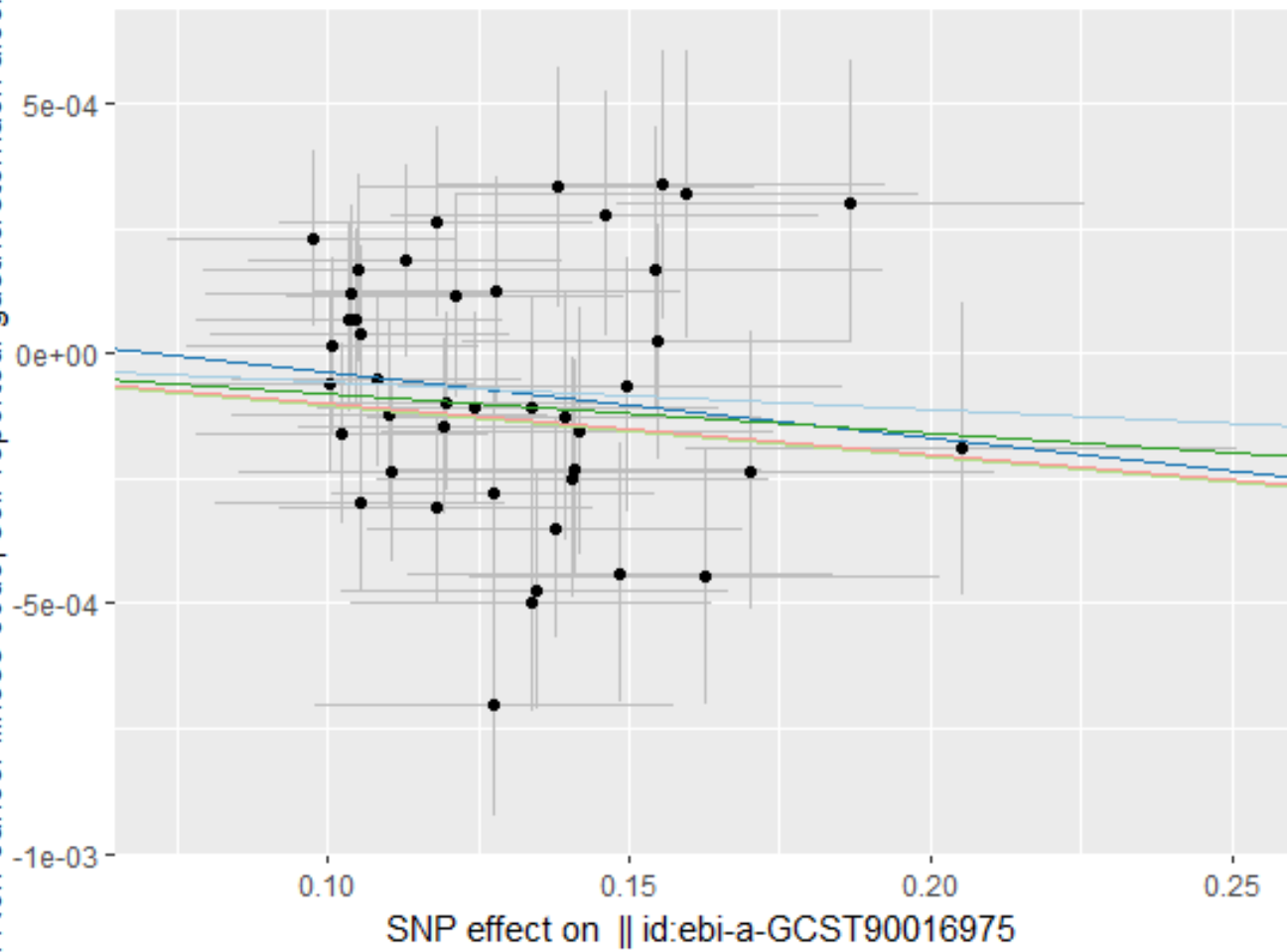
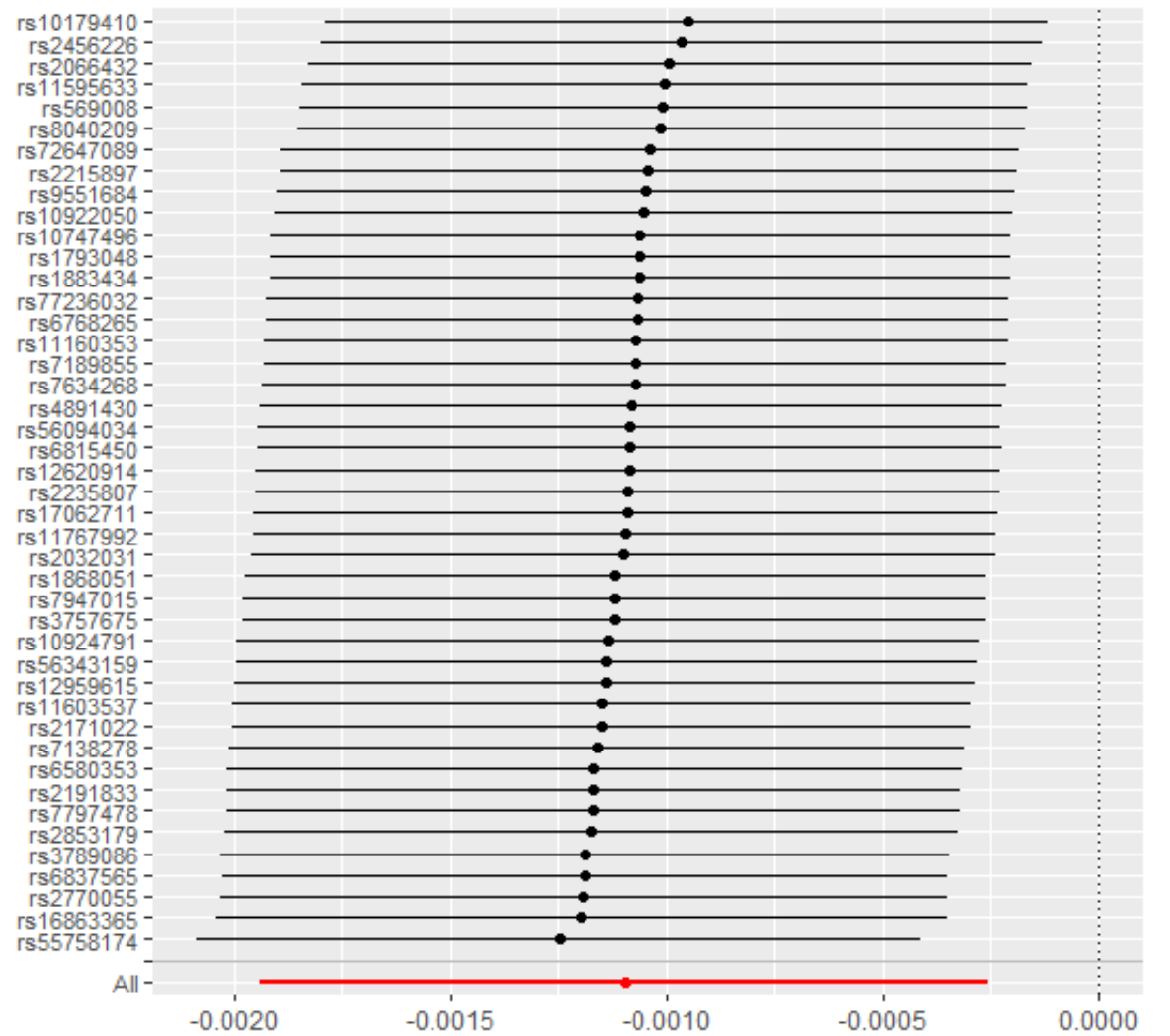


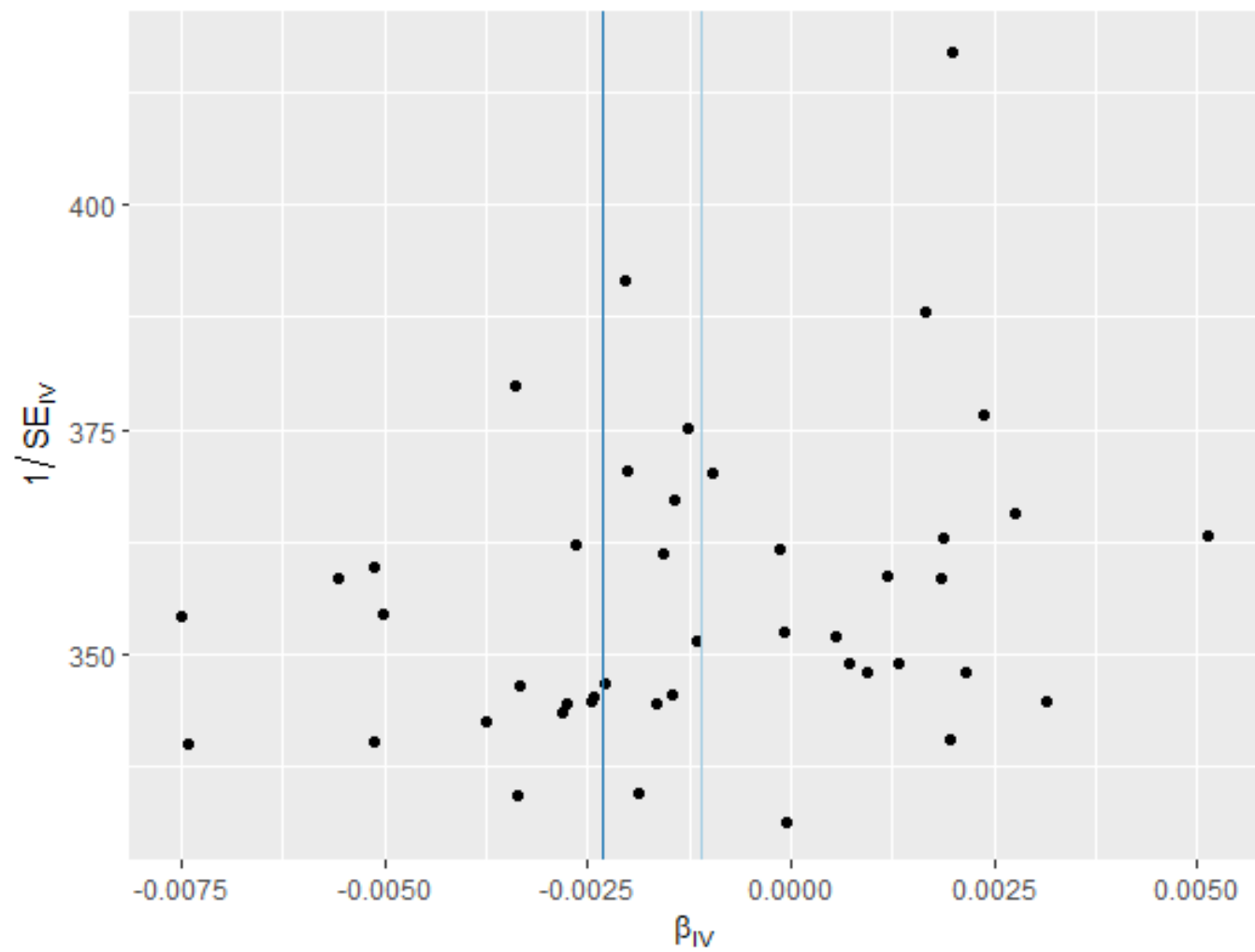
Figure 43 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Desulfovibrio* id.3173) on gastric ulcer

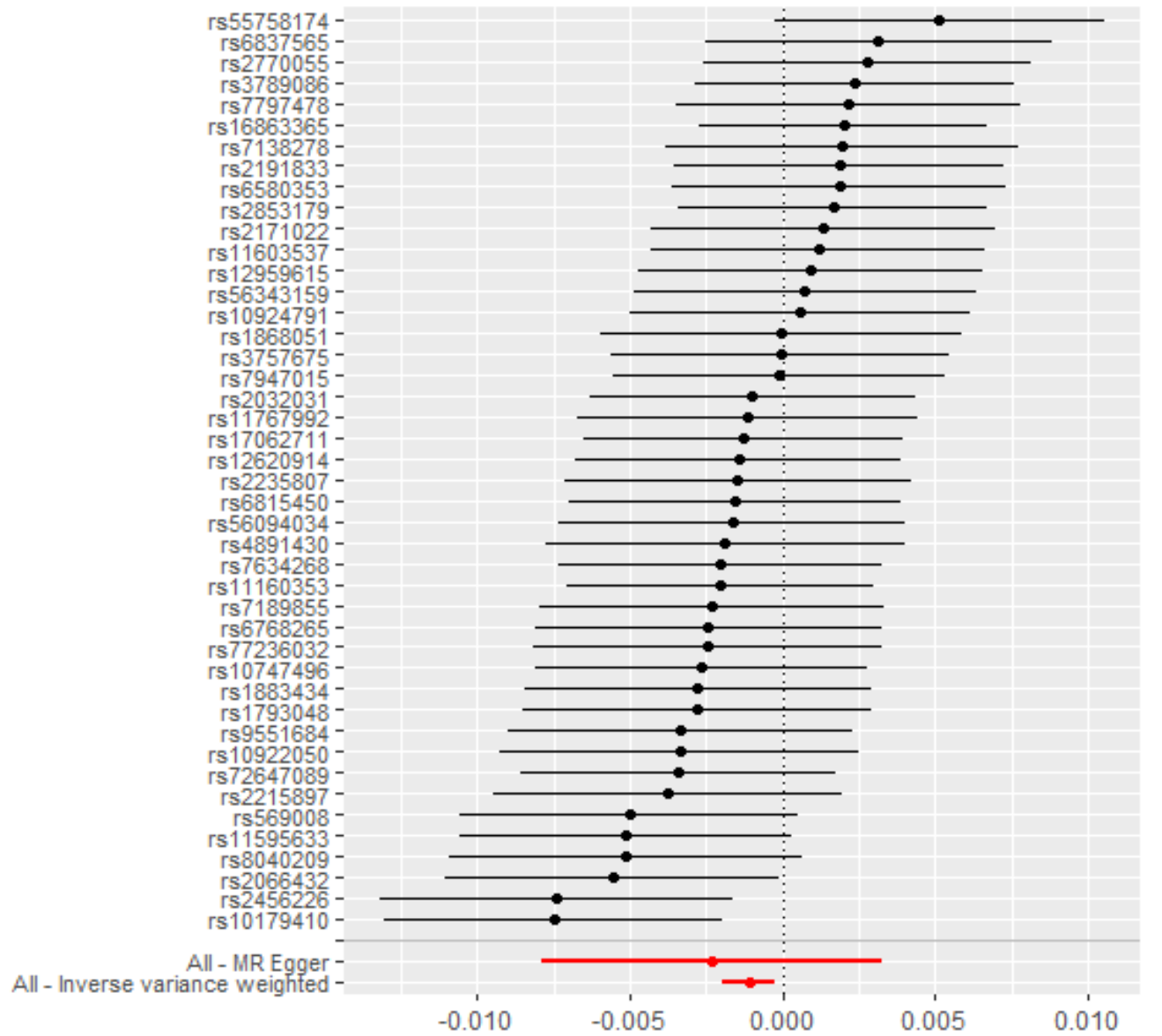


' || id:ebi-a-GCST90016987' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20

MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016987' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || k

n Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

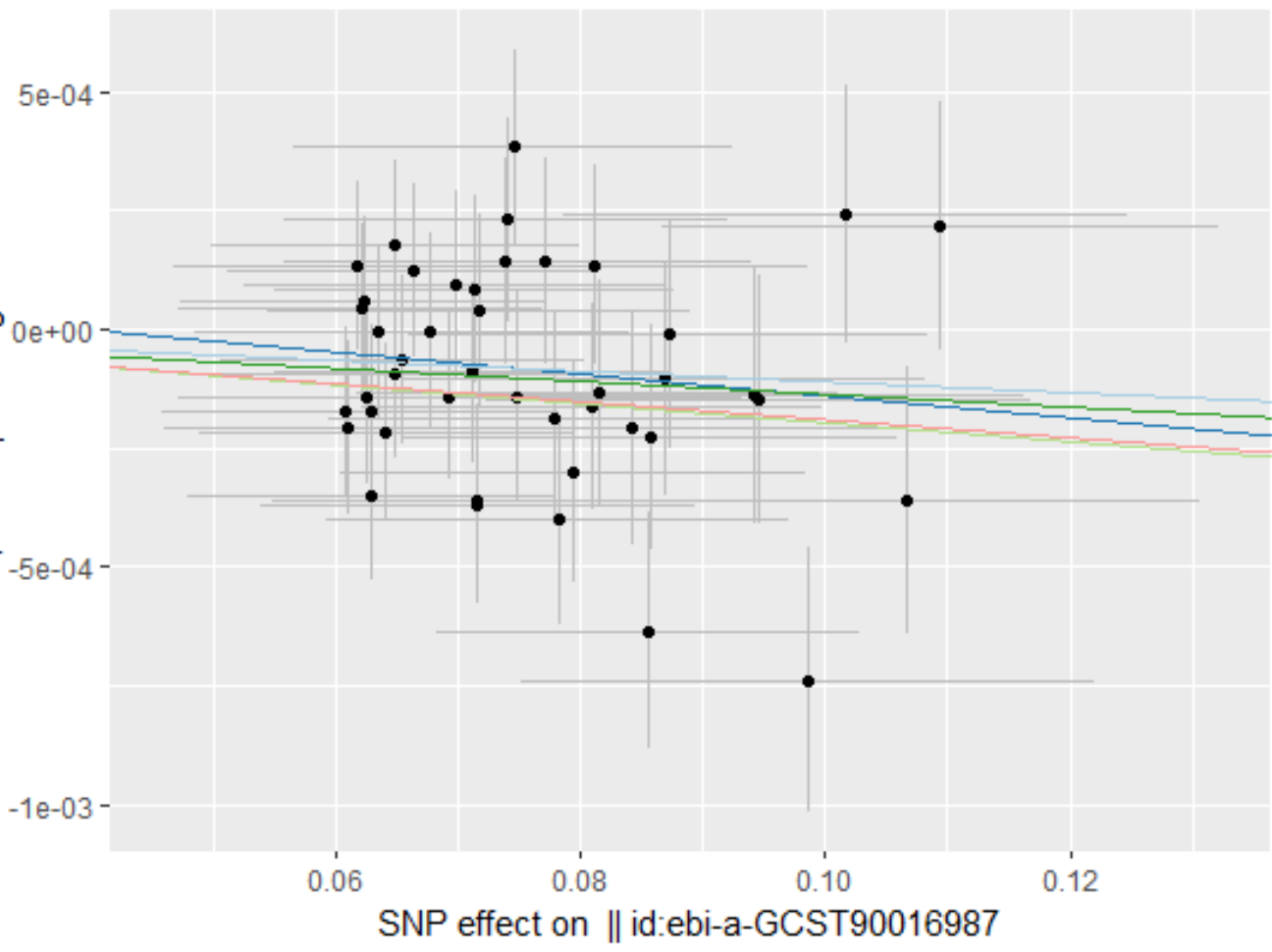
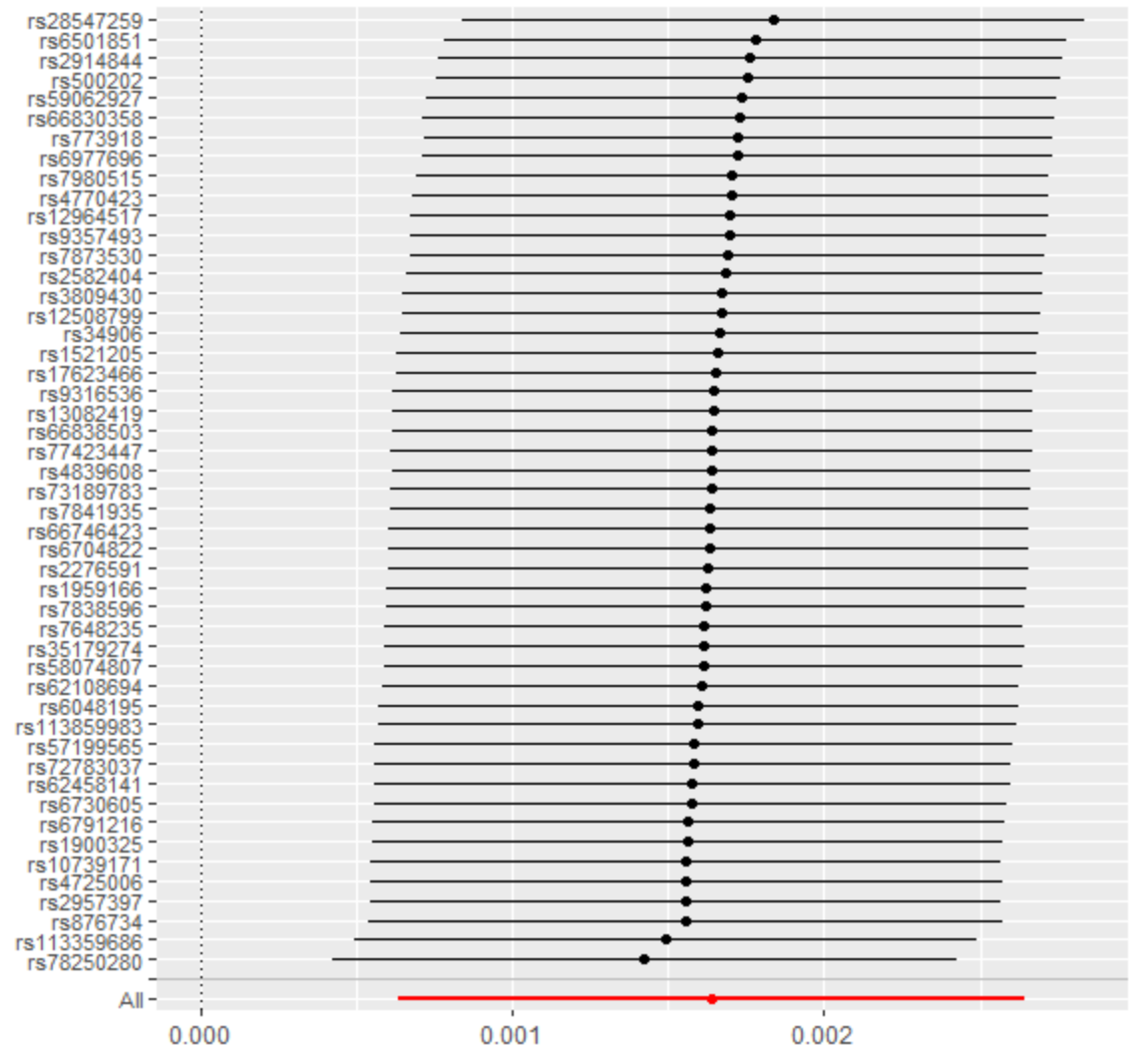


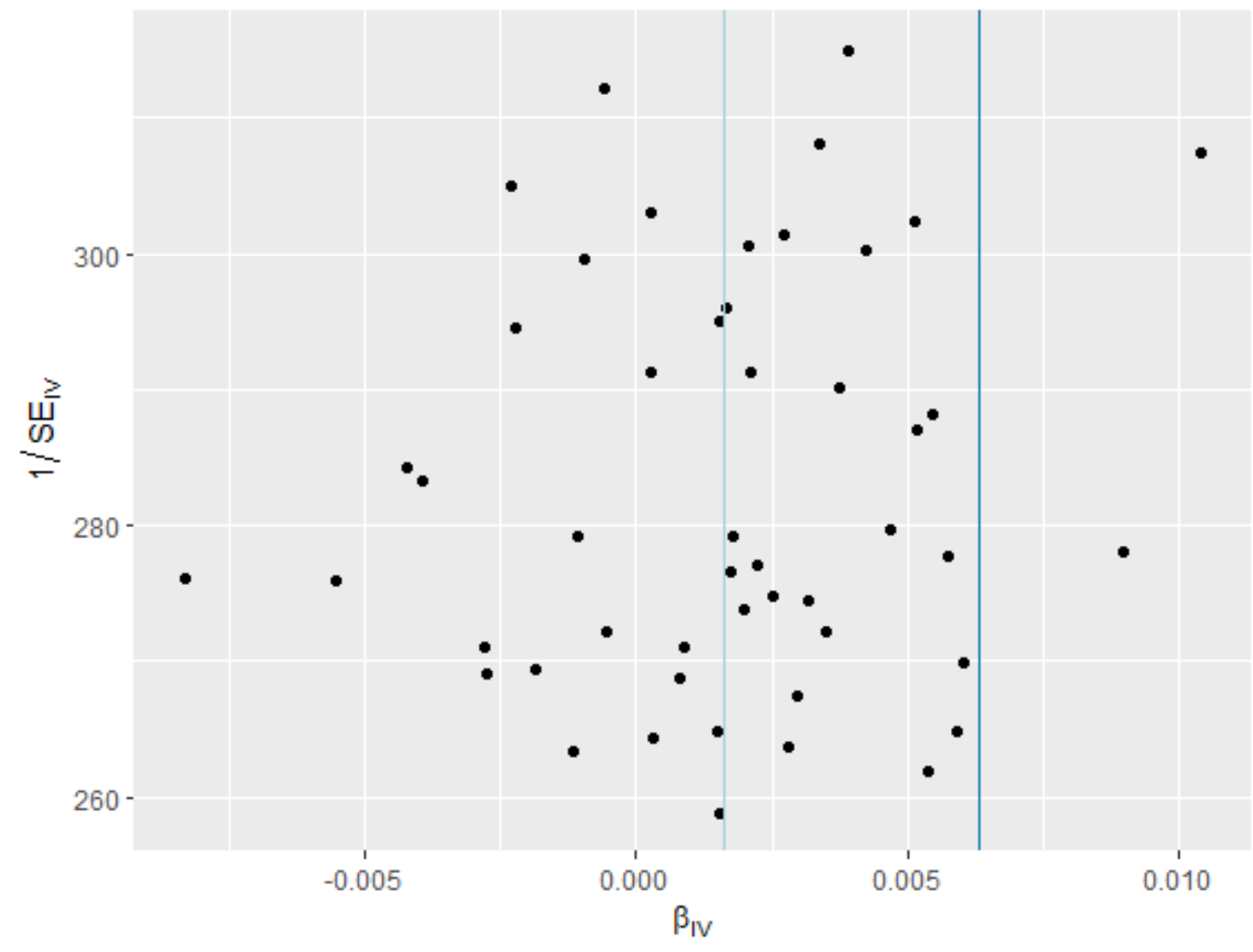
Figure 44 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium ventriosum* group id.11341) on gastric ulcer

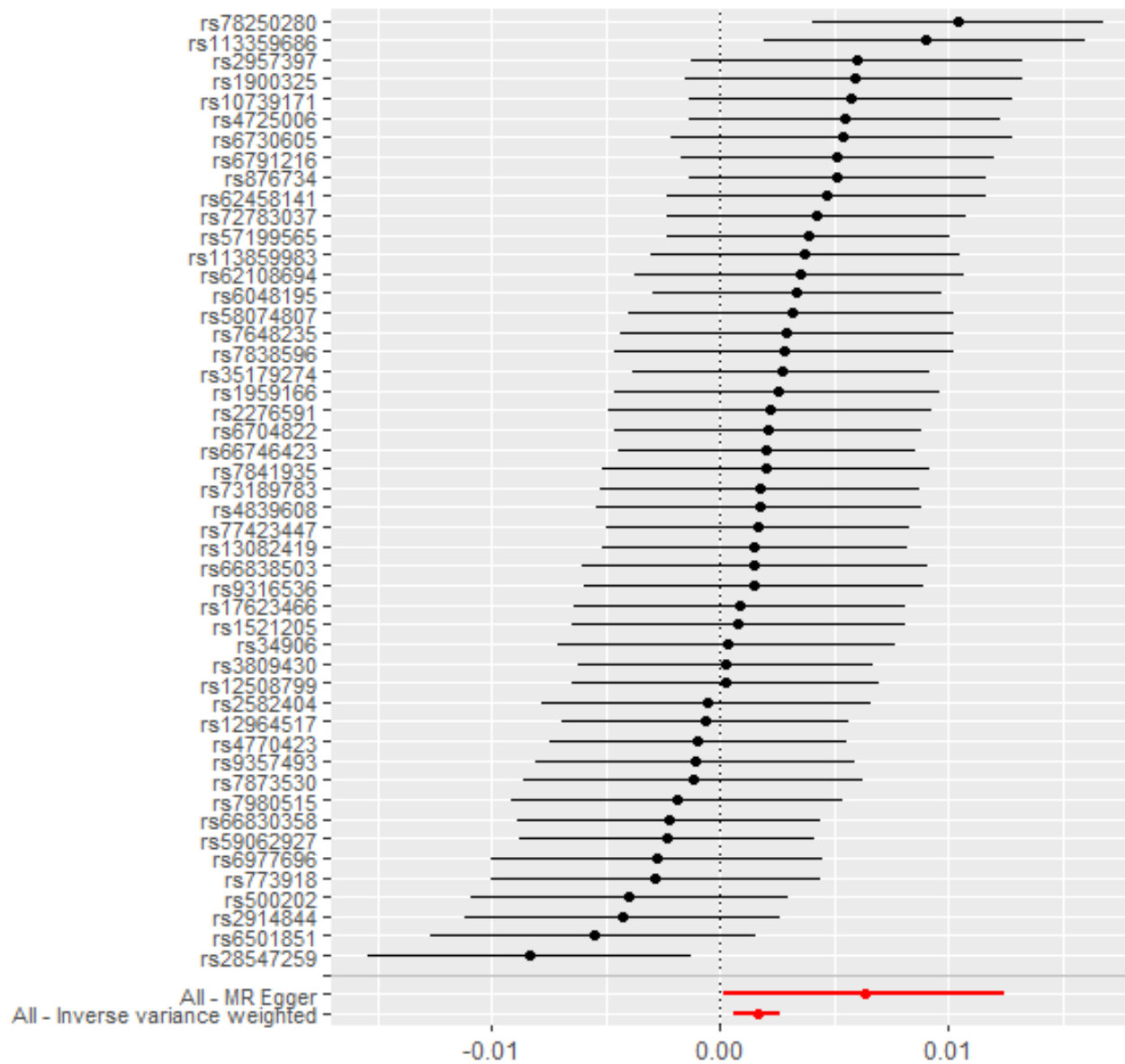


' || id:ebi-a-GCST90017005' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || id:ukb-b-200

MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017005' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:u

t on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

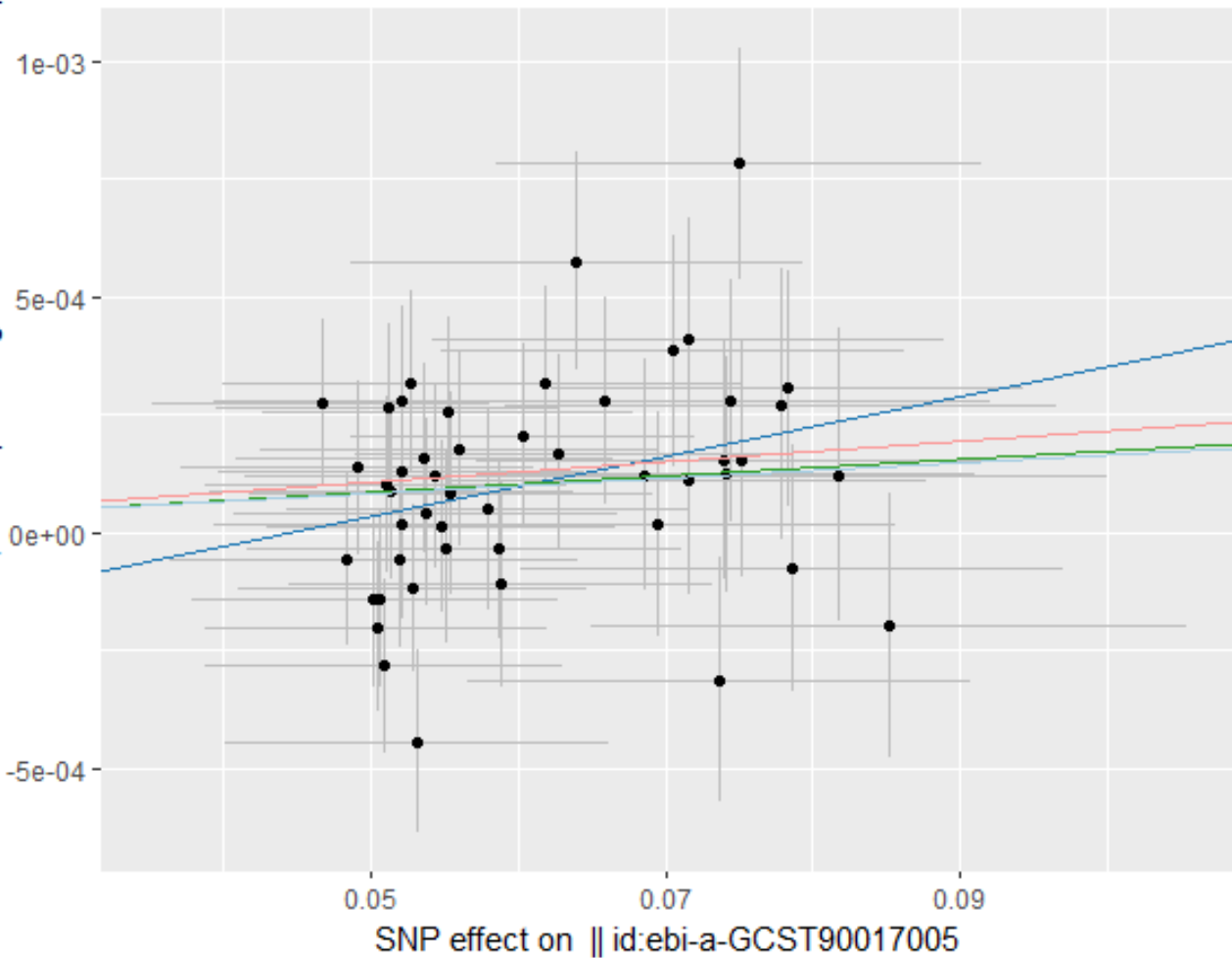
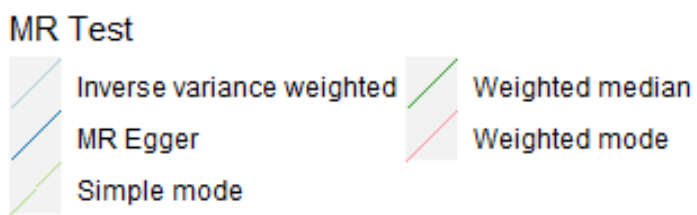
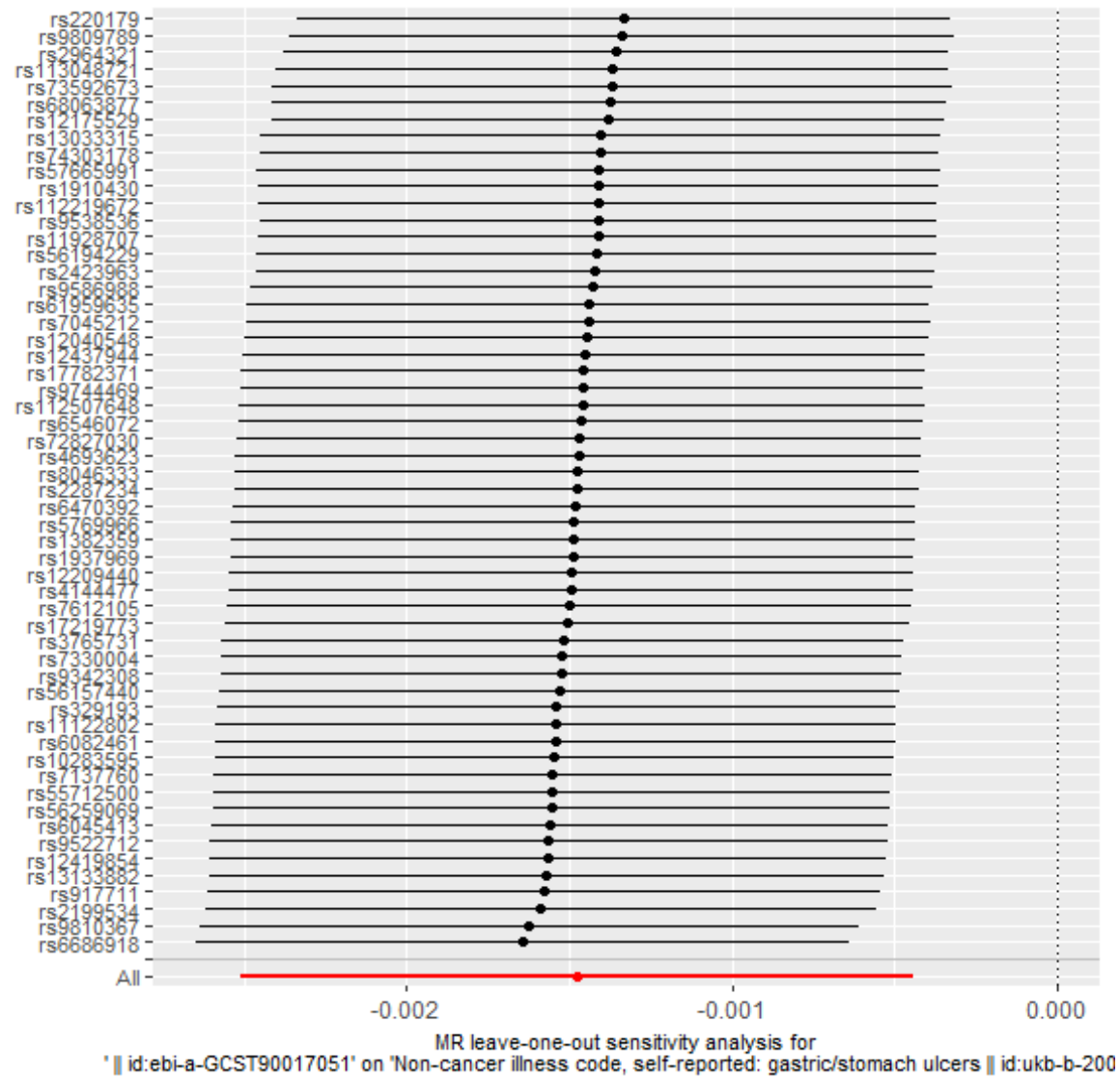
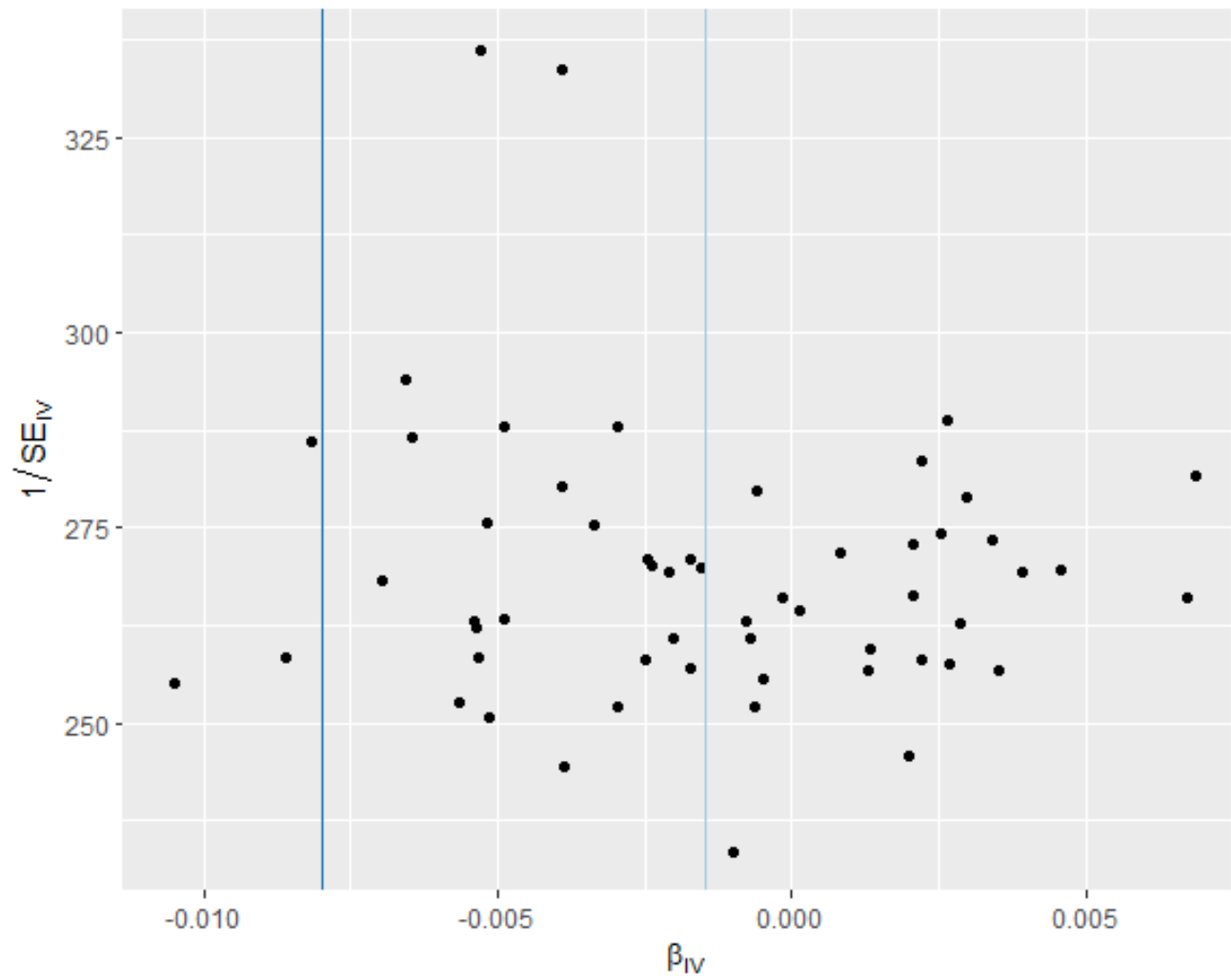


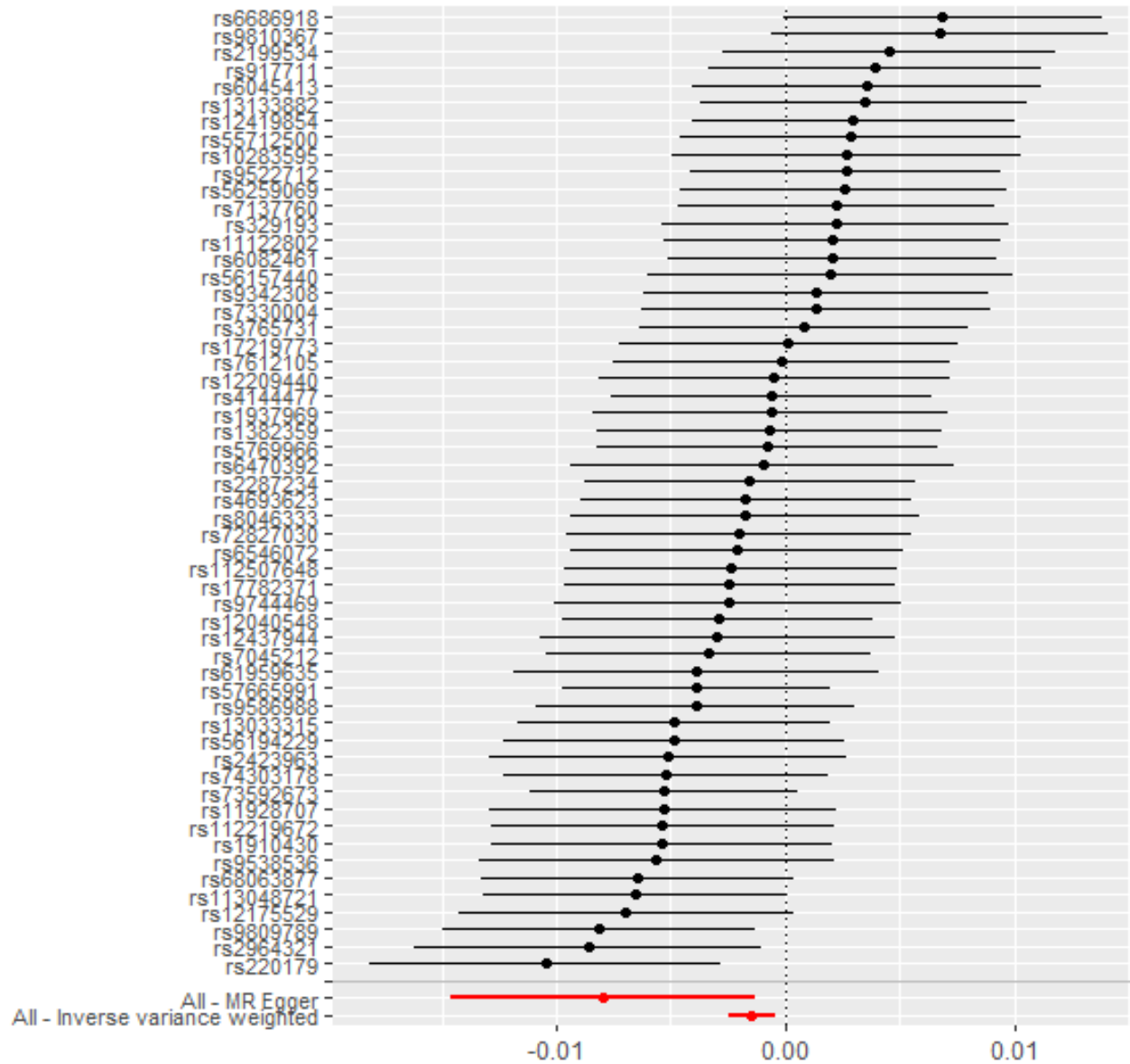
Figure 45 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminiclostridium9 id.11357) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





t on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

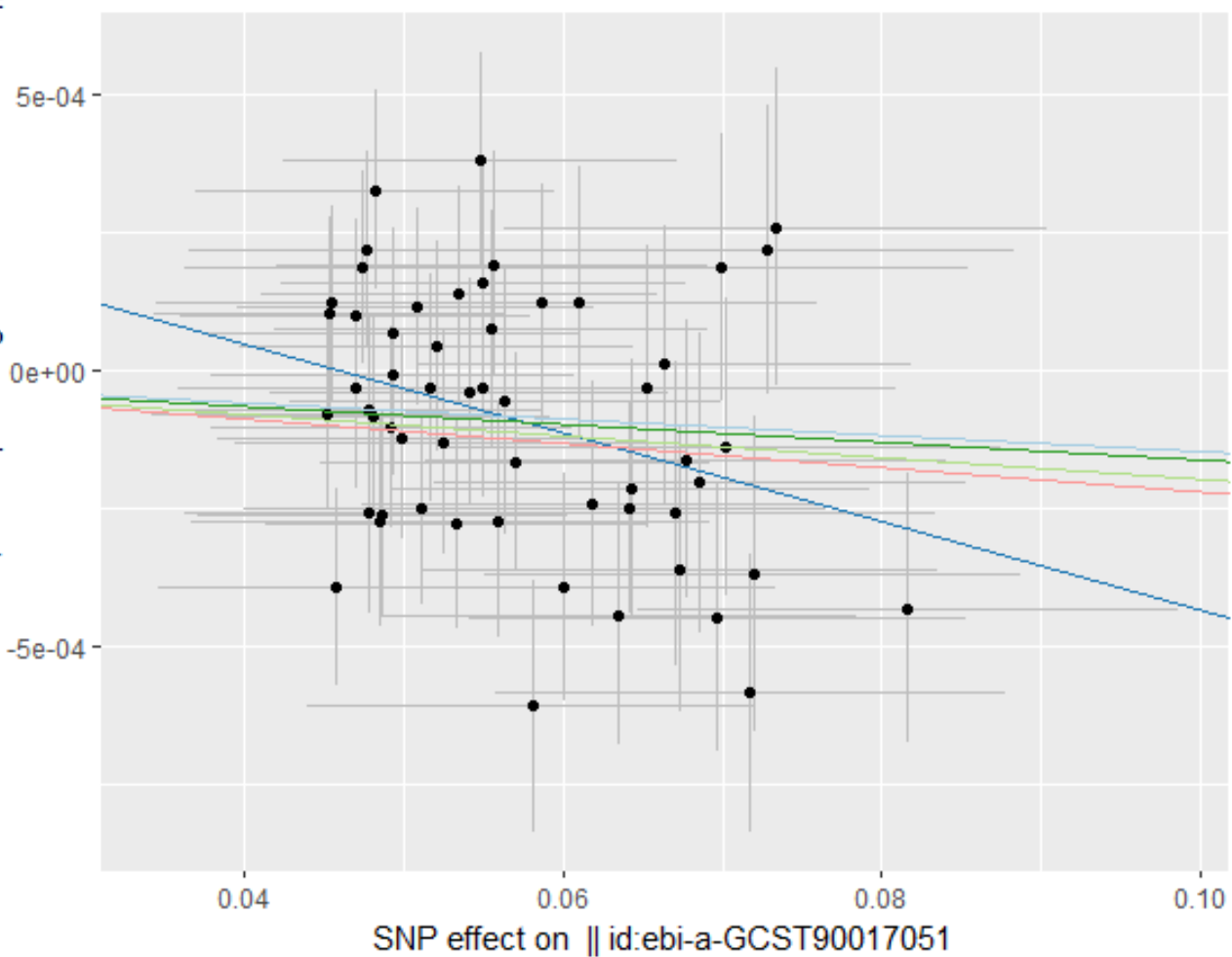
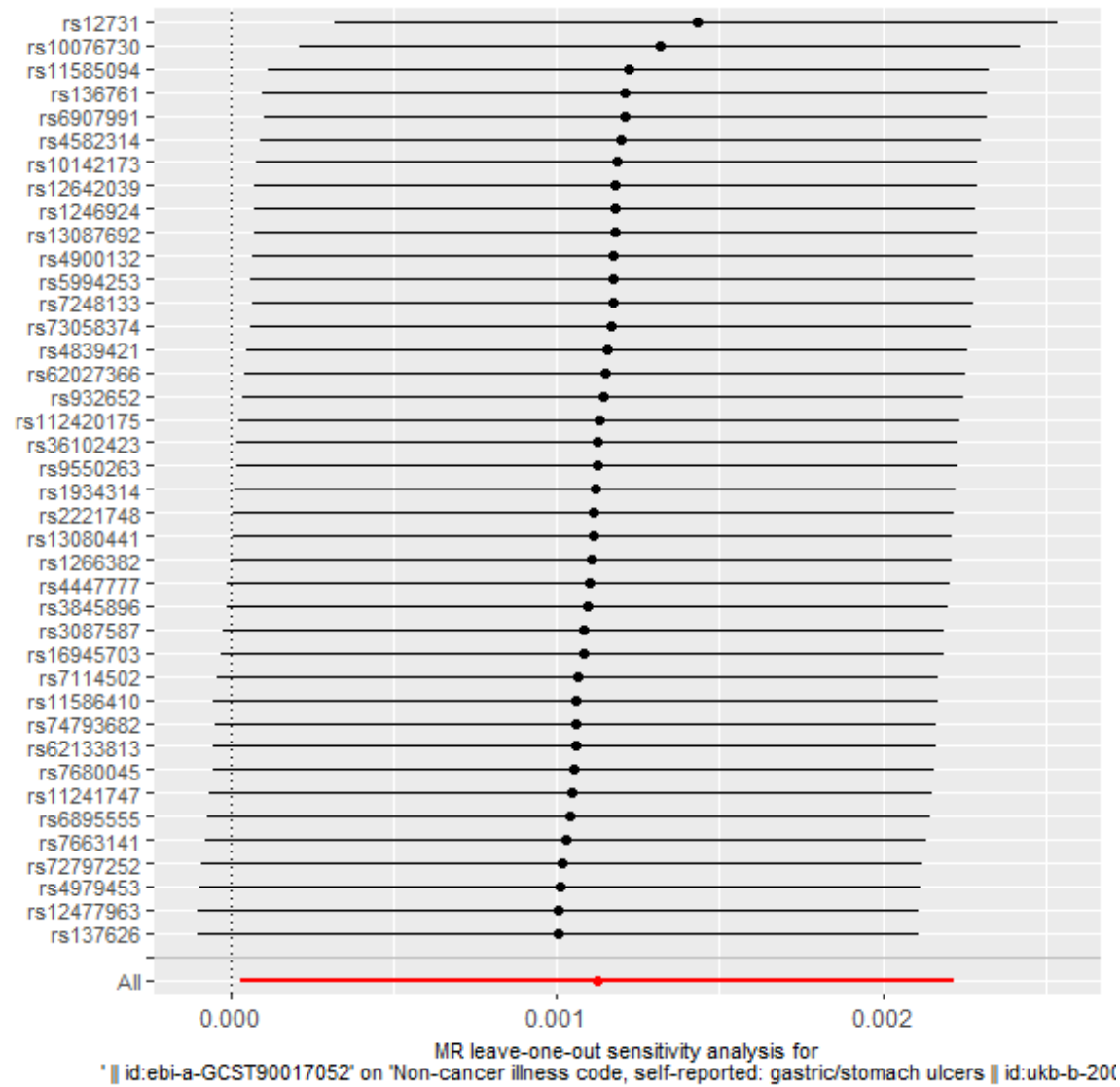
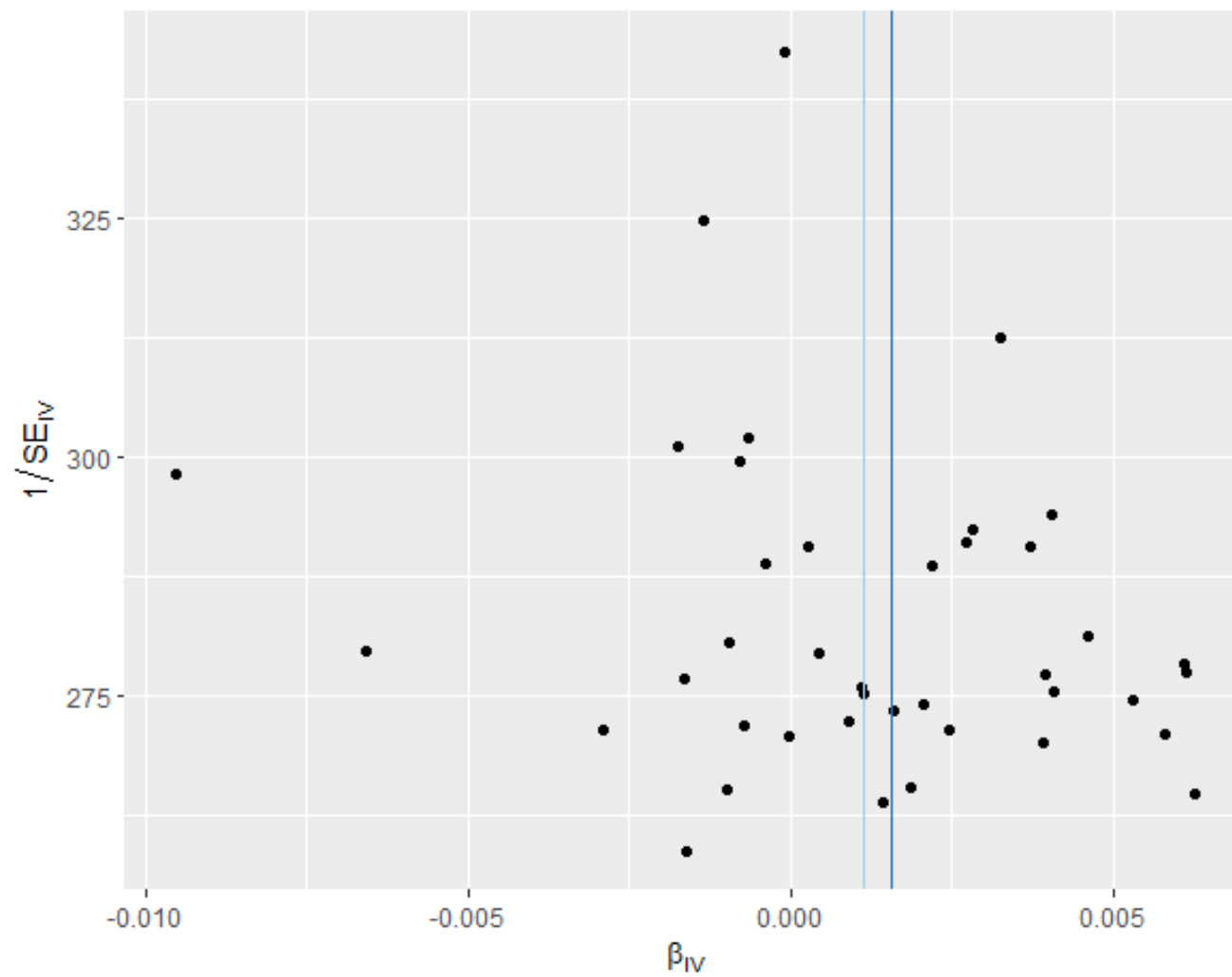


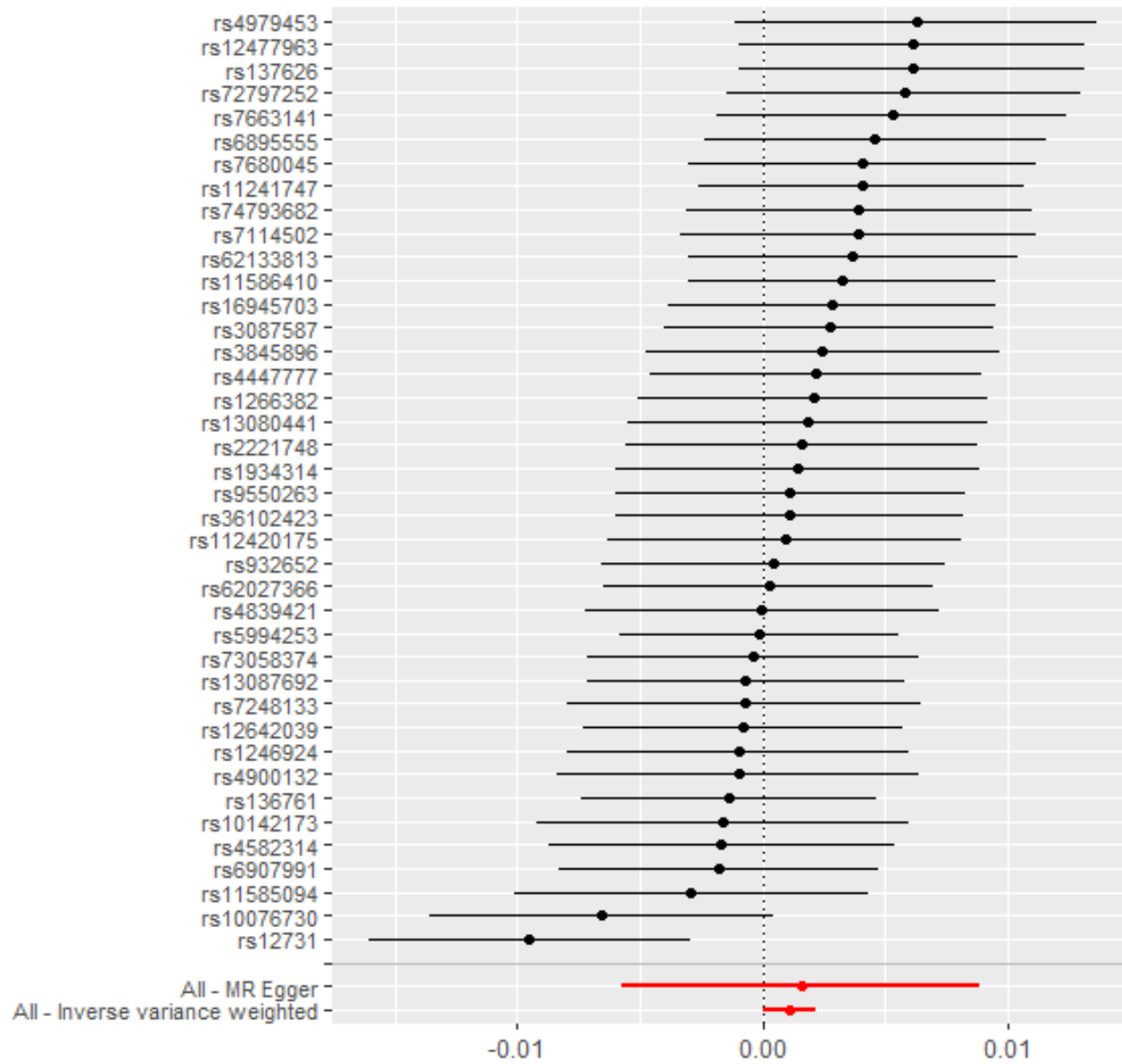
Figure 46 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017052' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:1

t on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

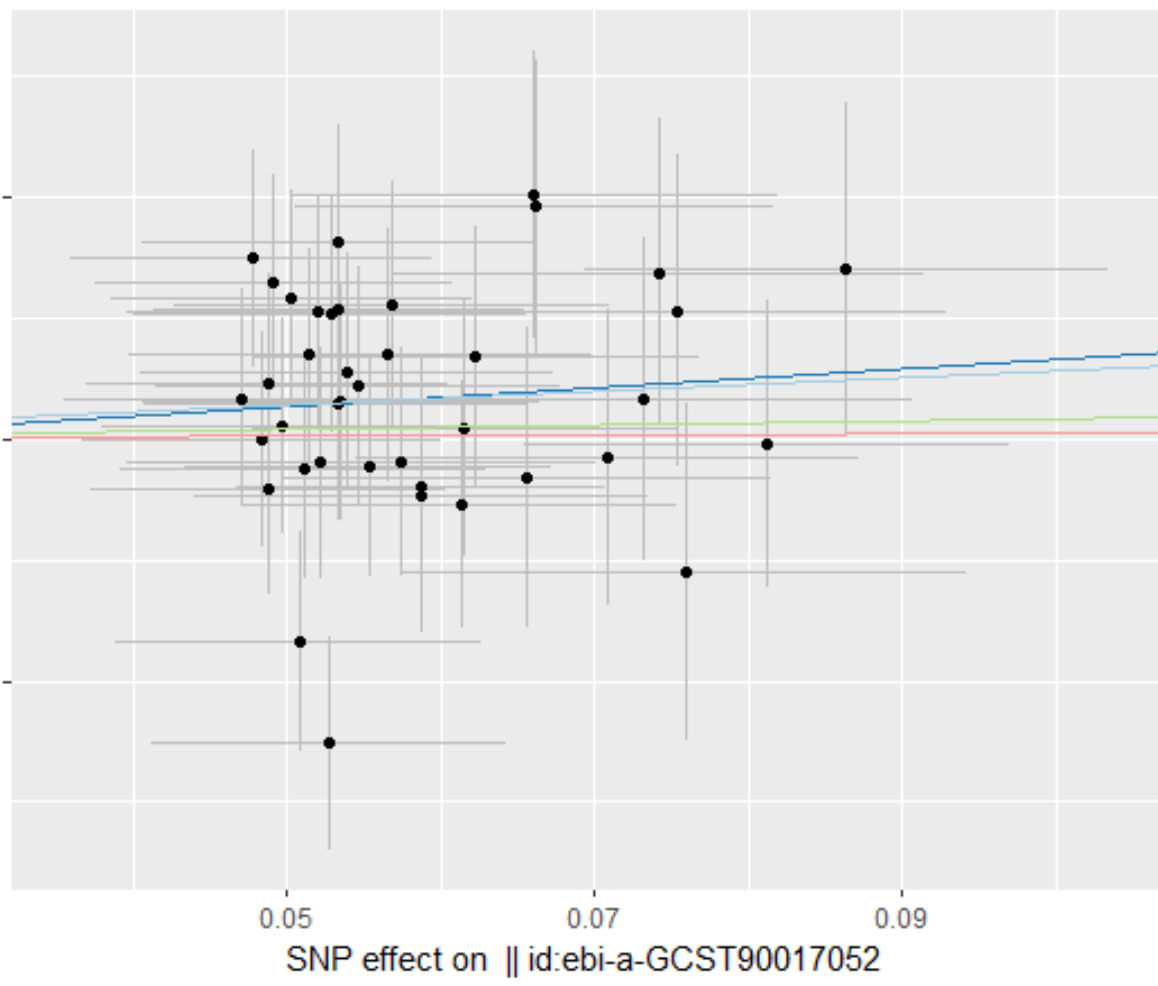
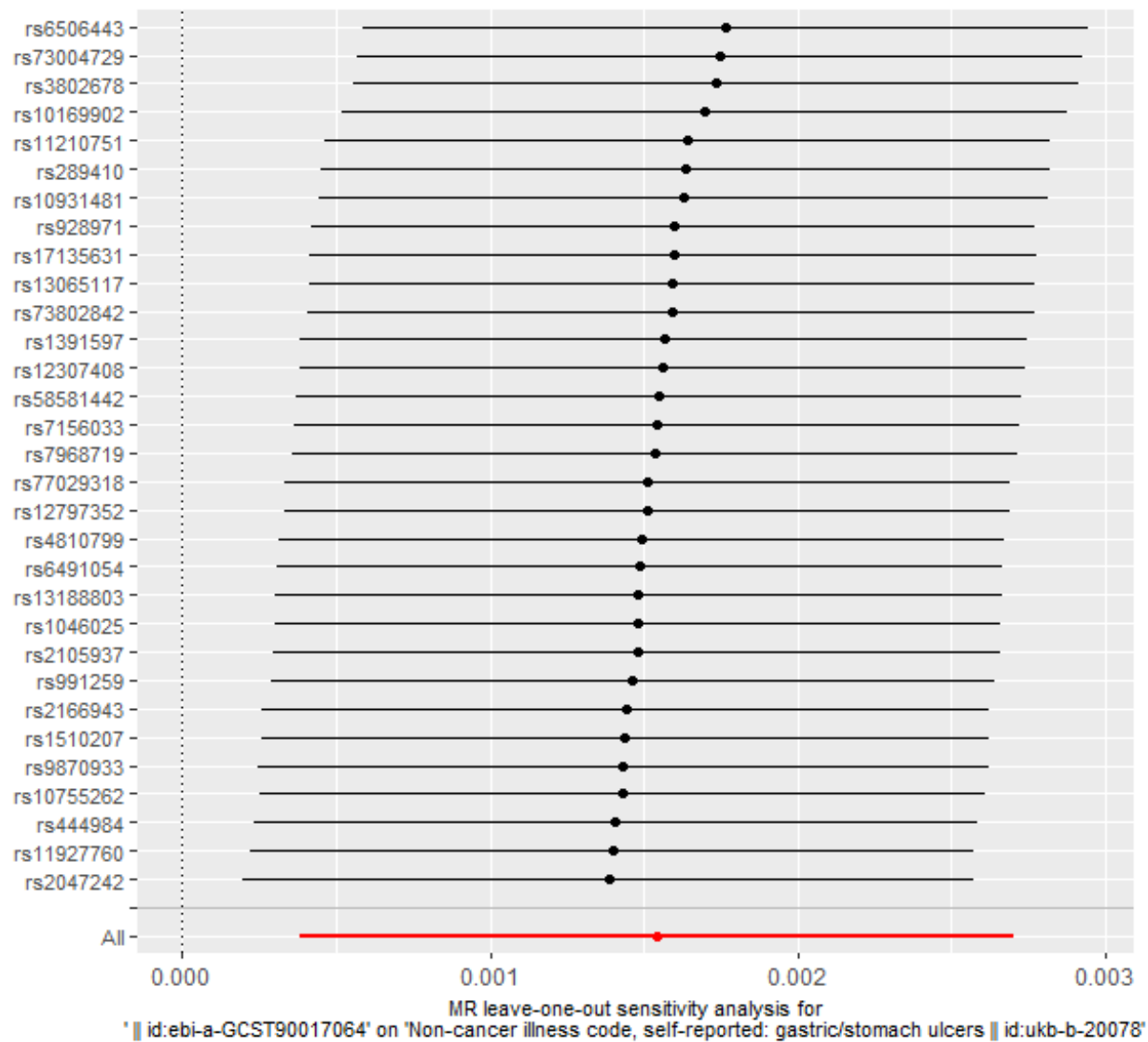
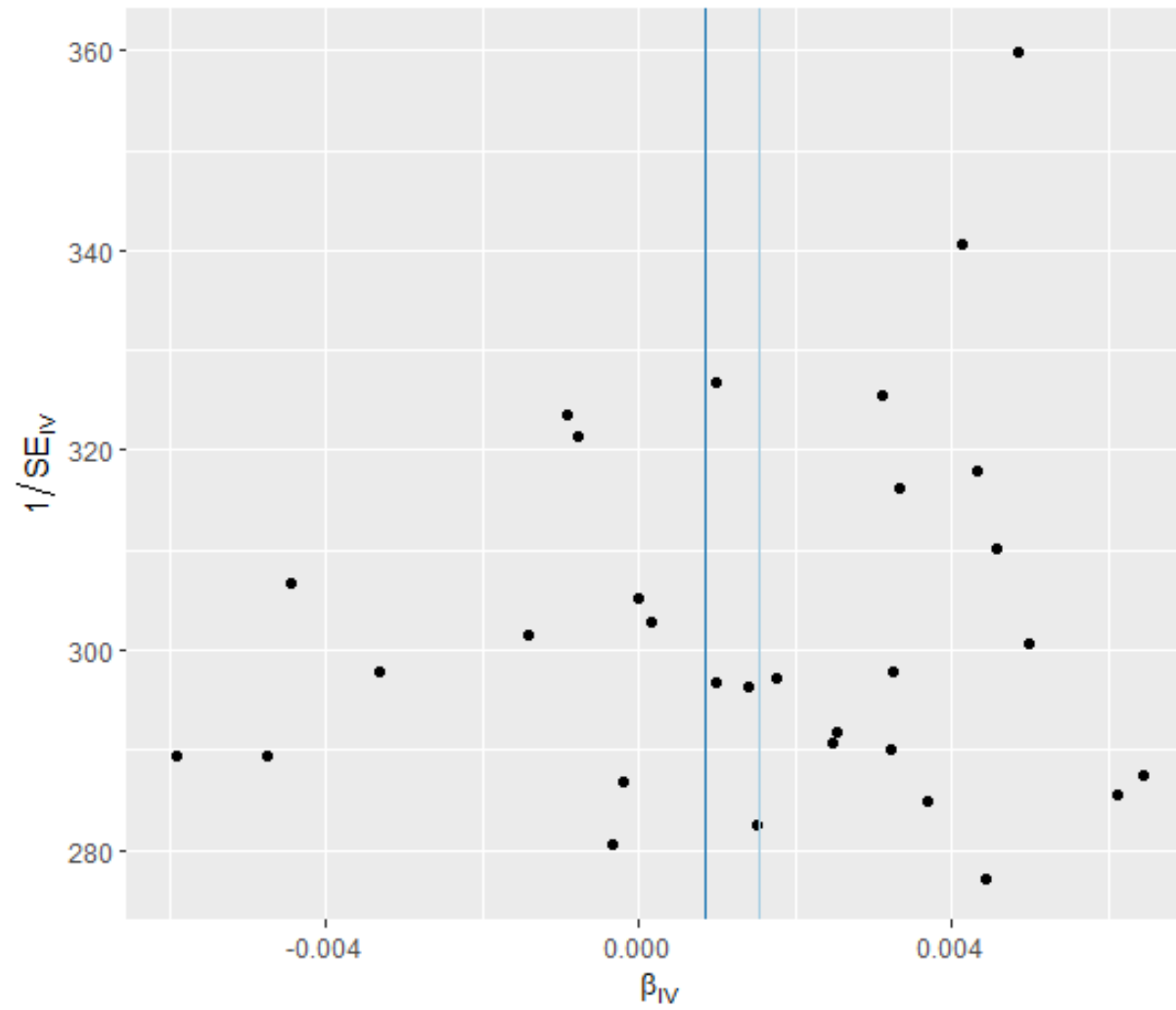


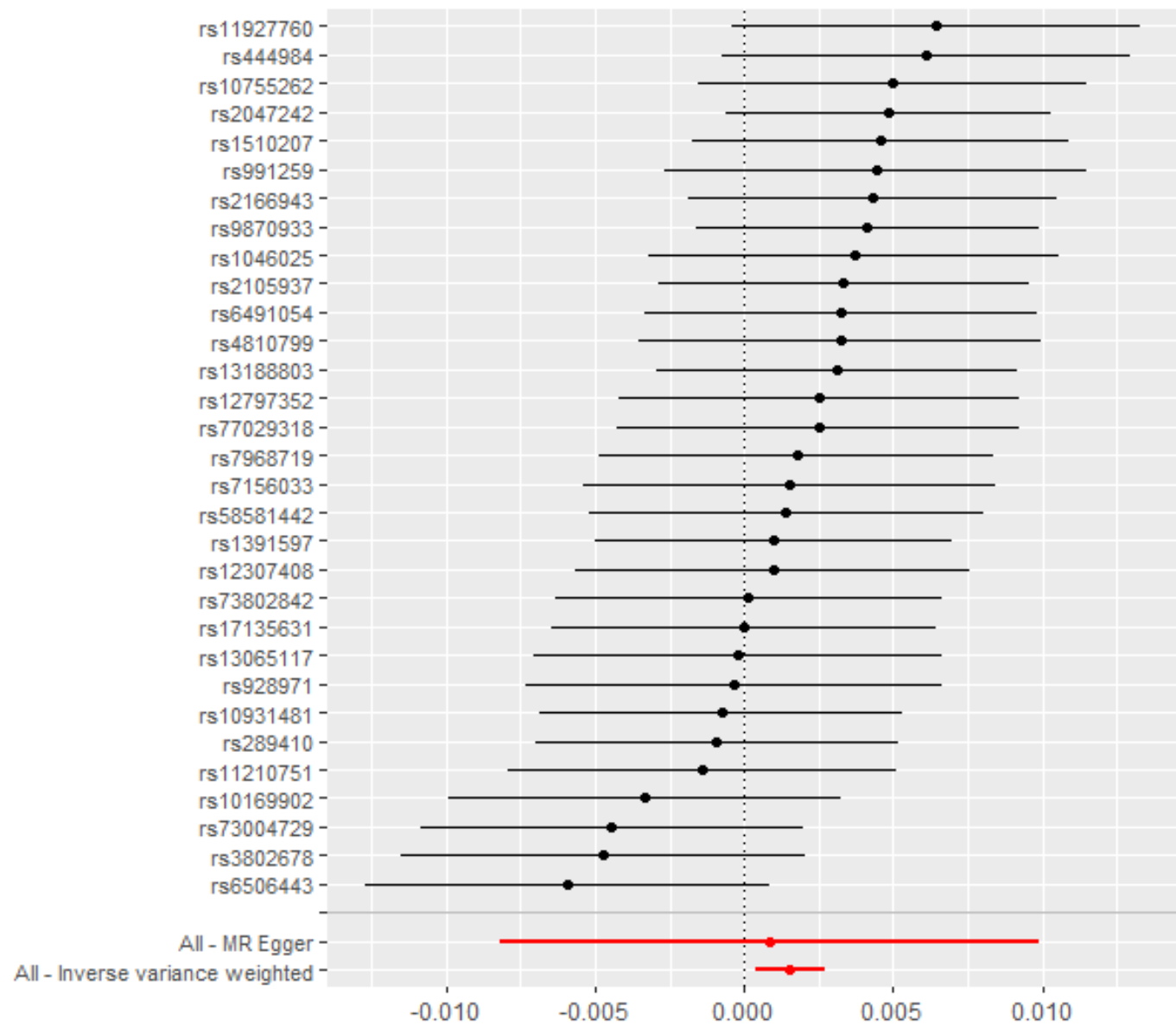
Figure 47 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Ruminococcus gauvreauii* group id.11342) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90017064' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || id:ukb-

on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

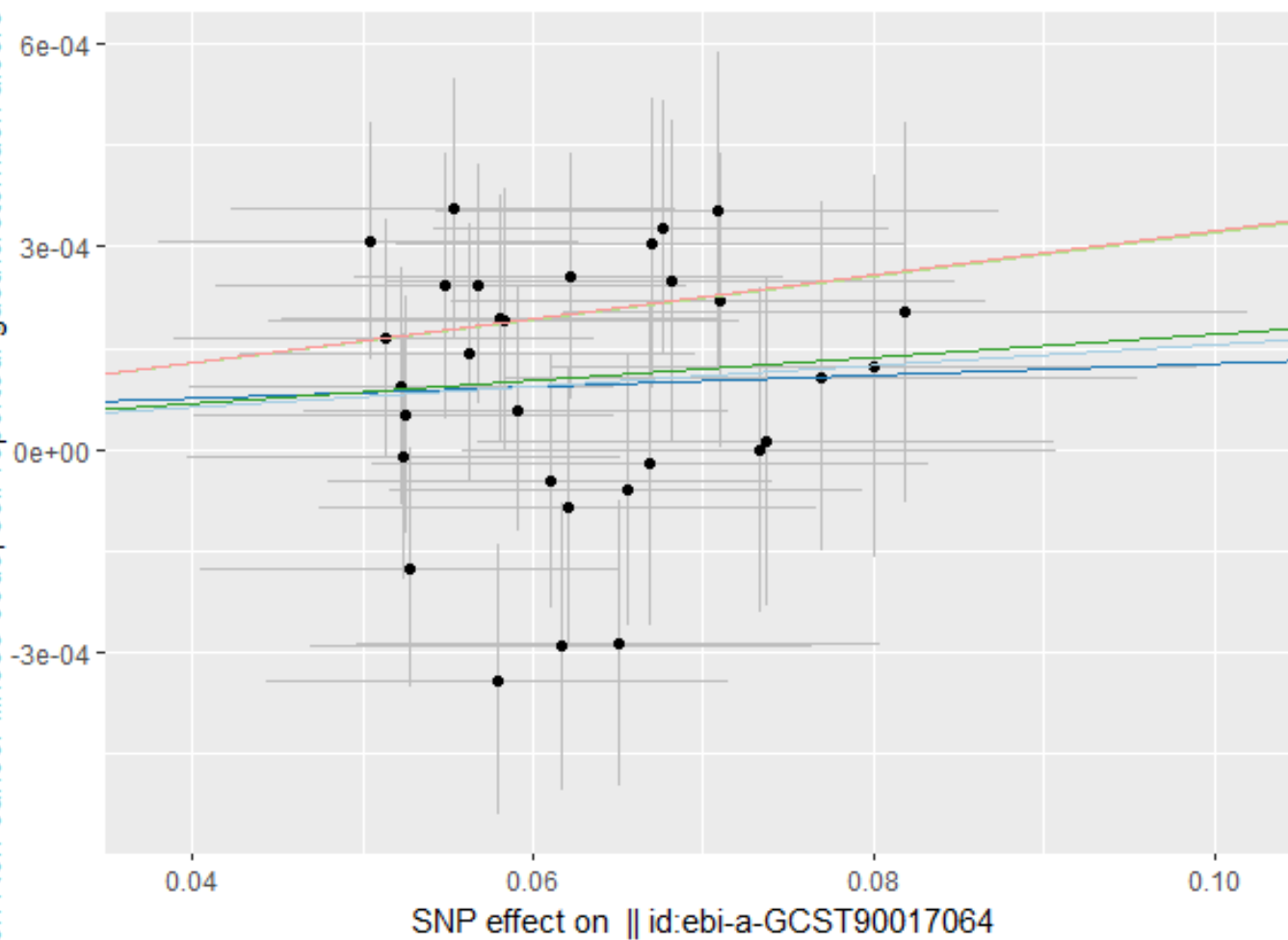
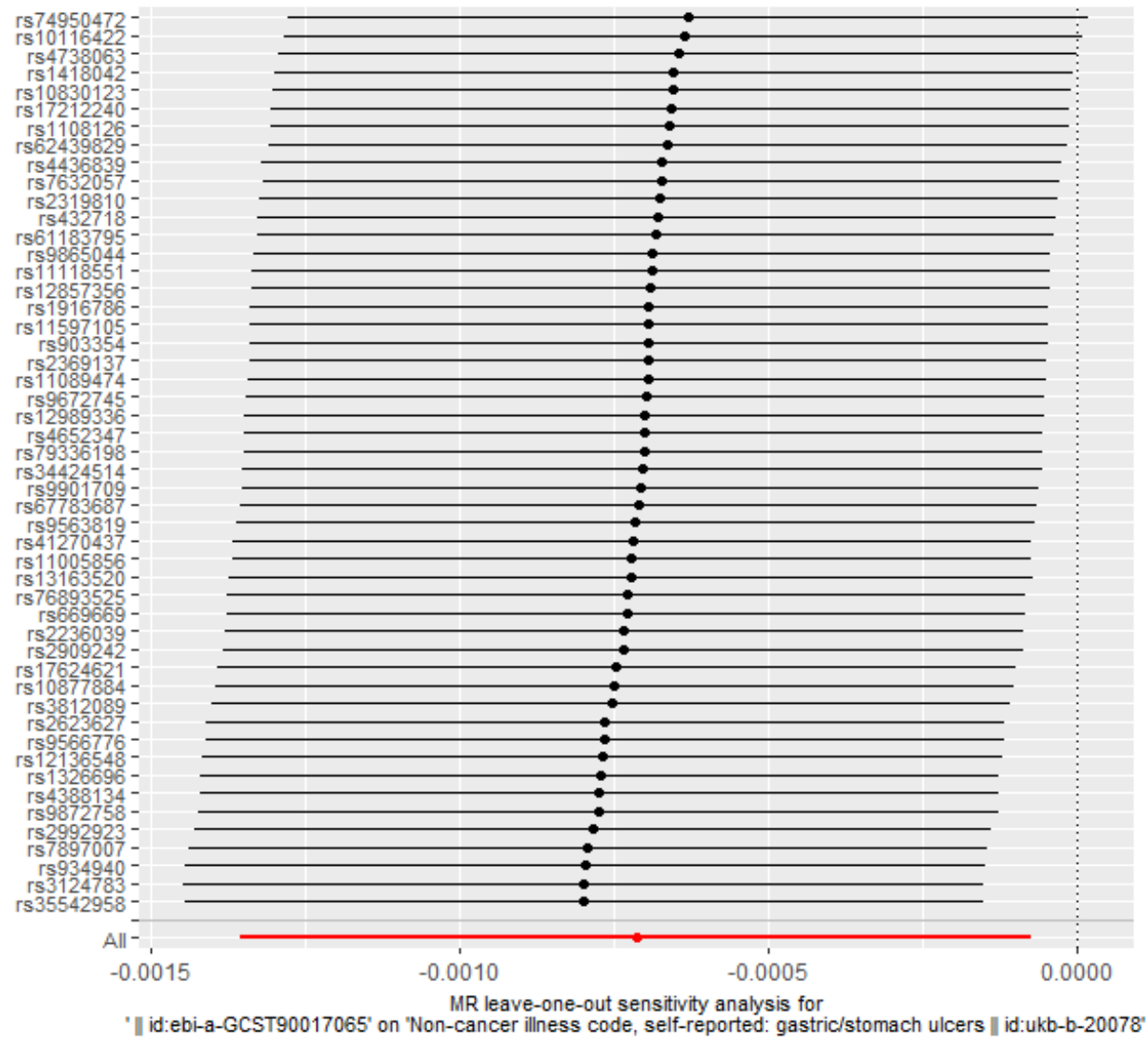
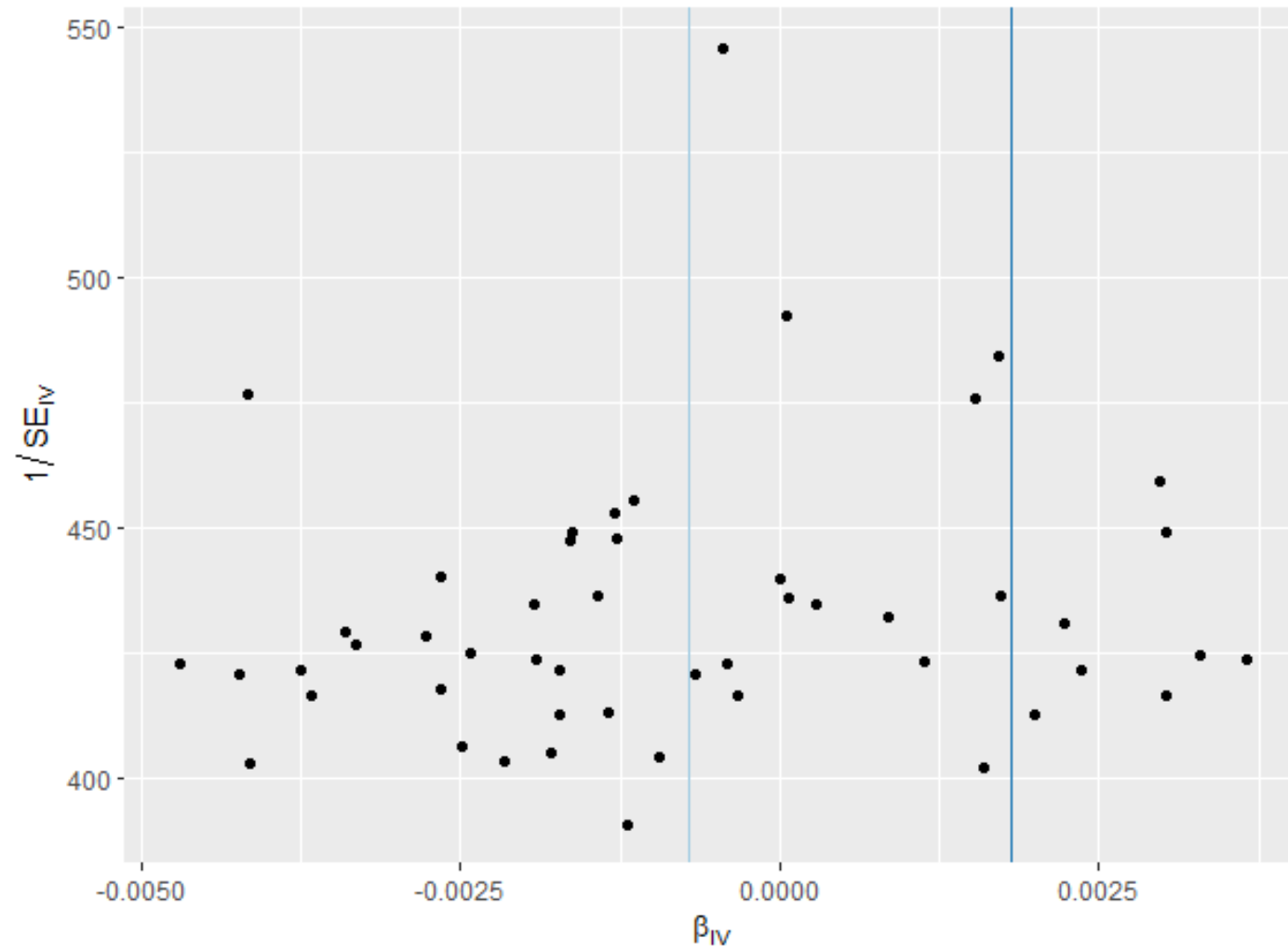


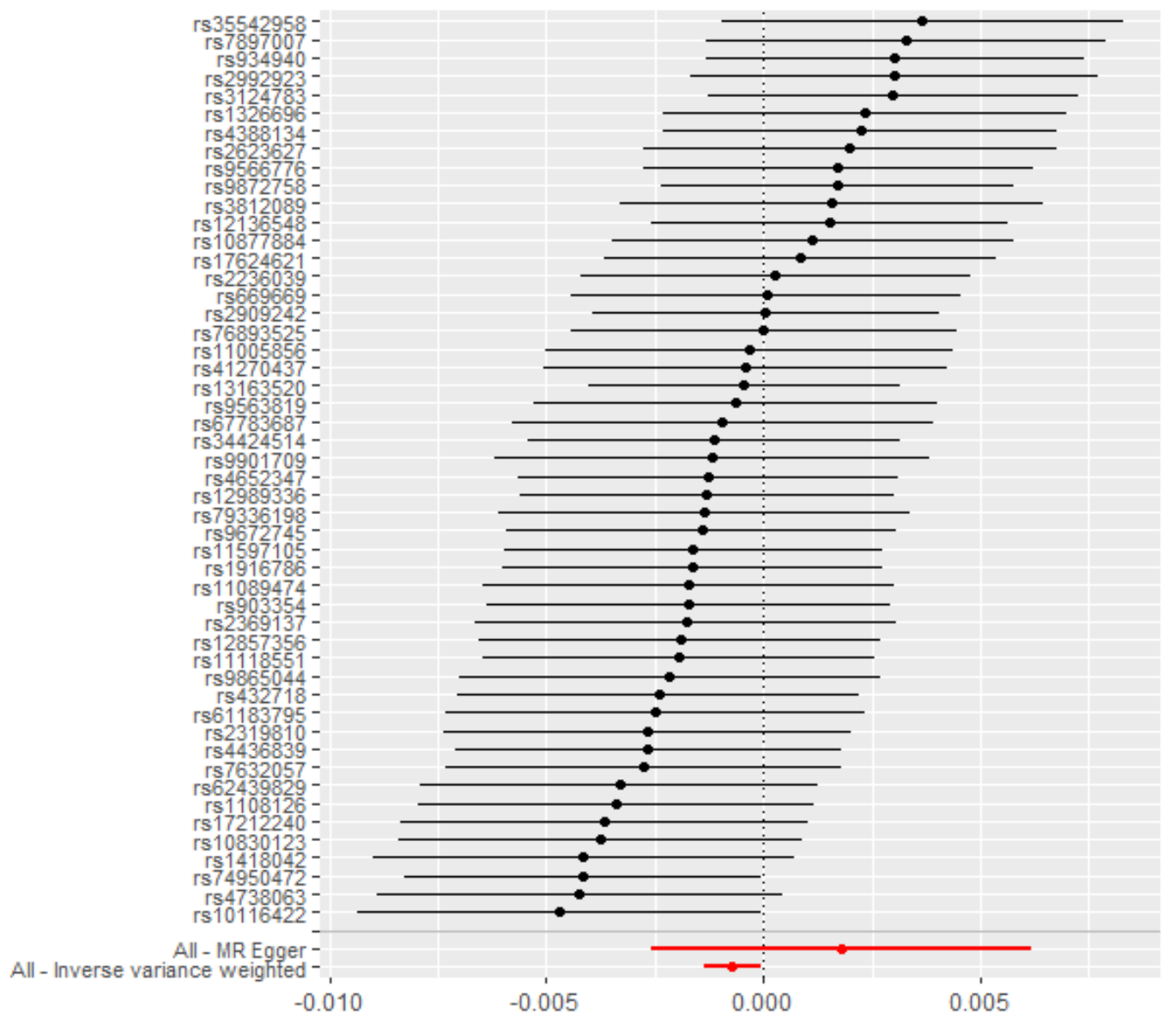
Figure 48 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Ruminococcus gnavus* group id.14376) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90017065' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-

on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

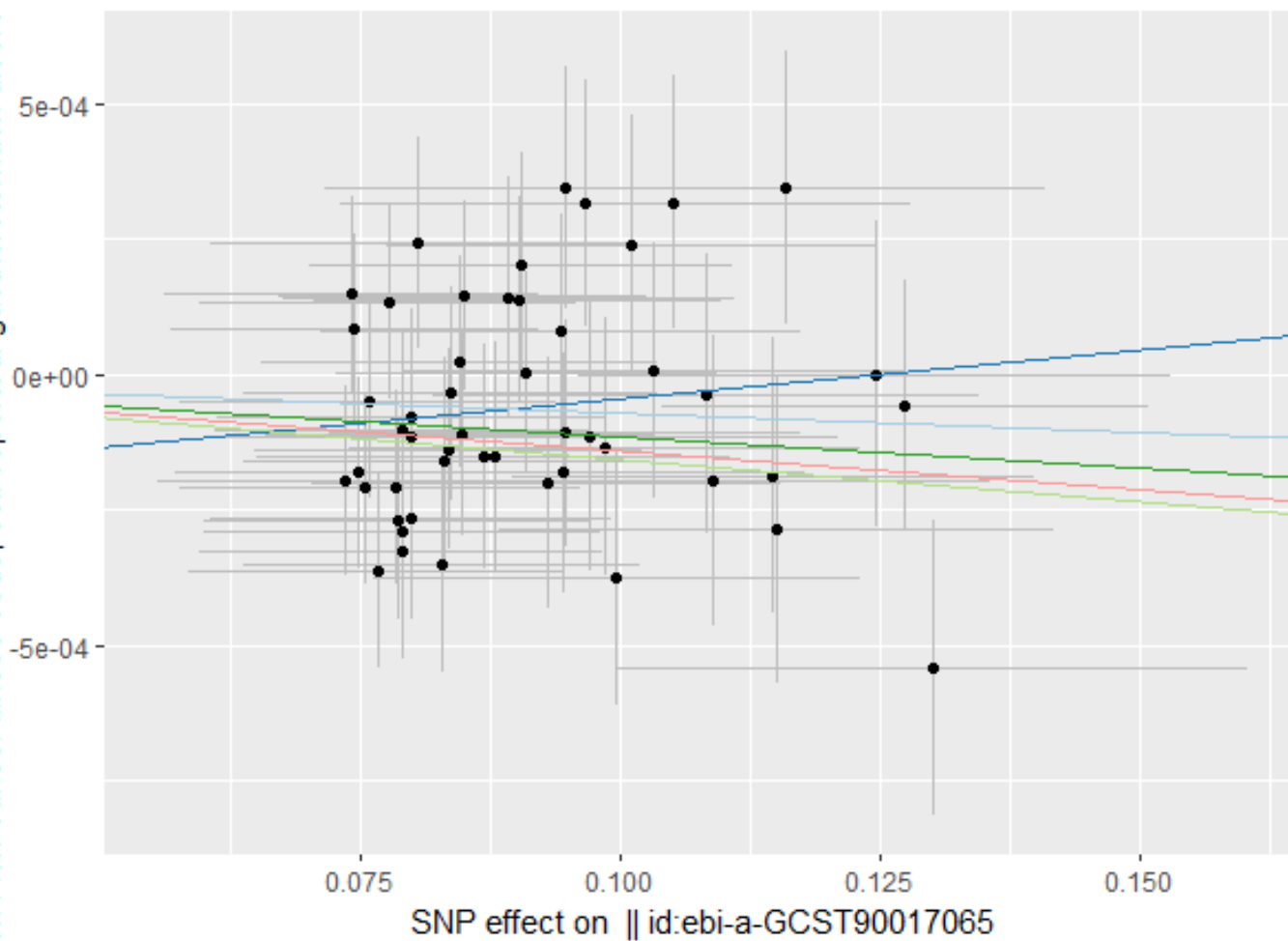
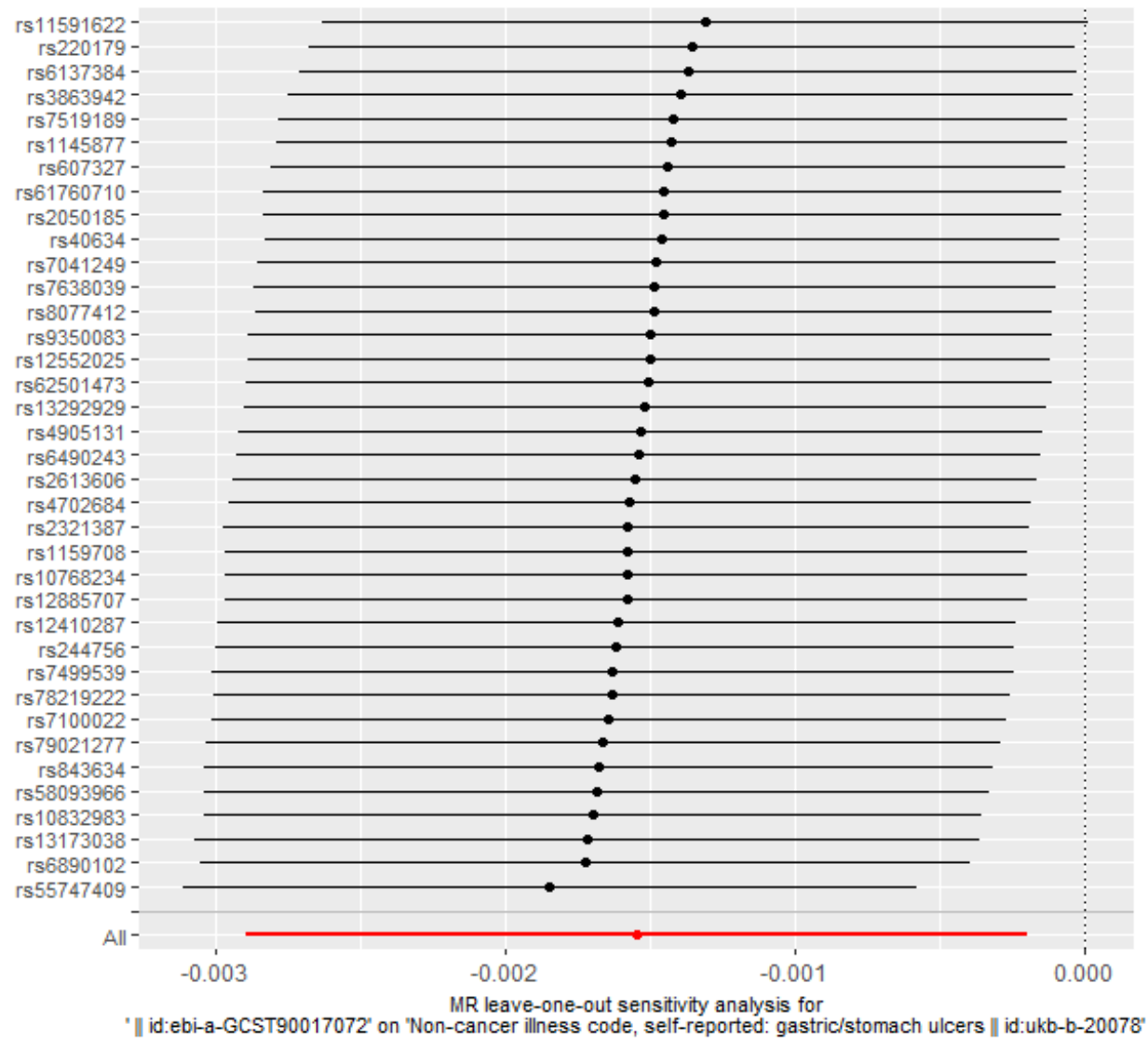
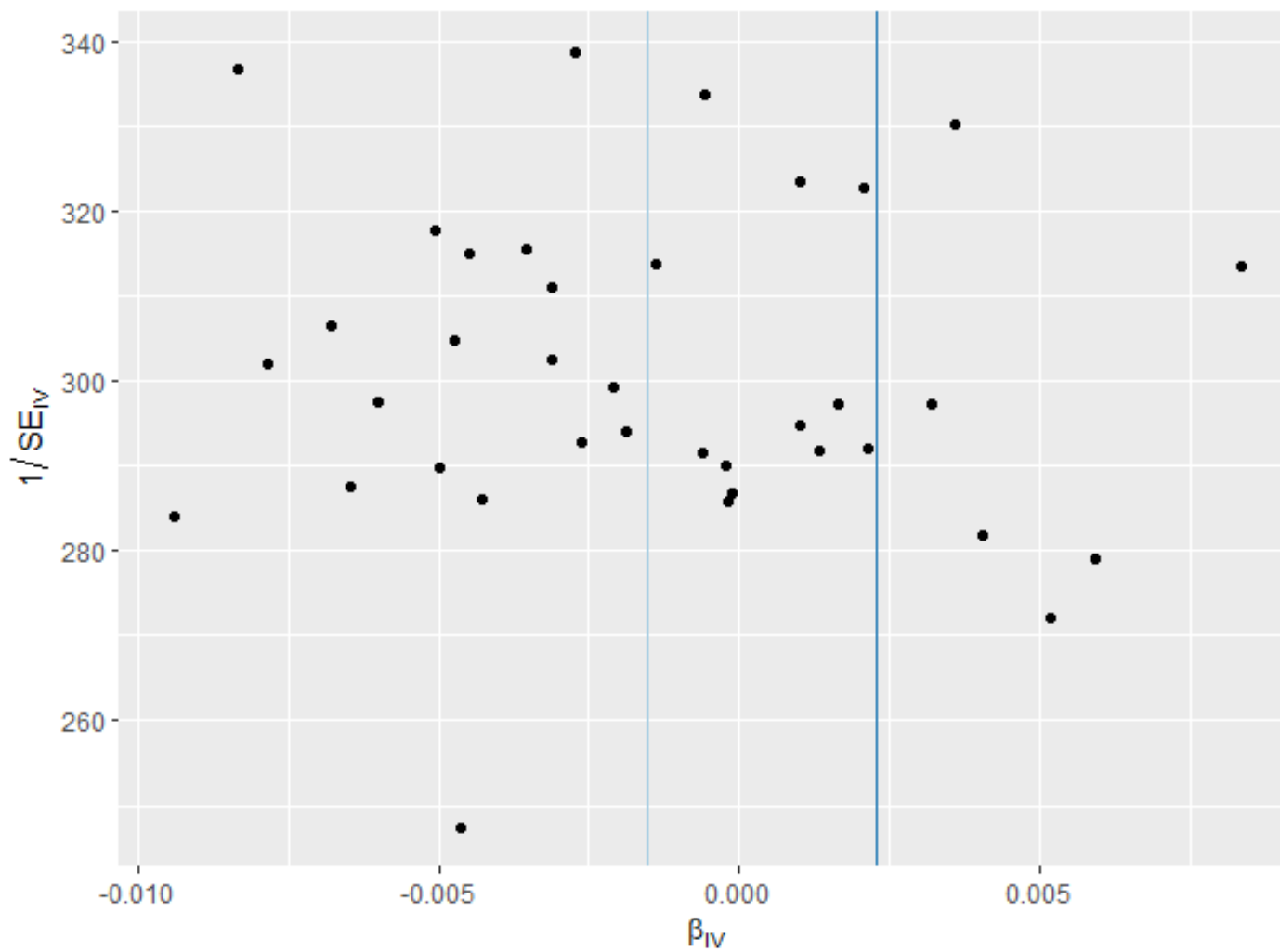


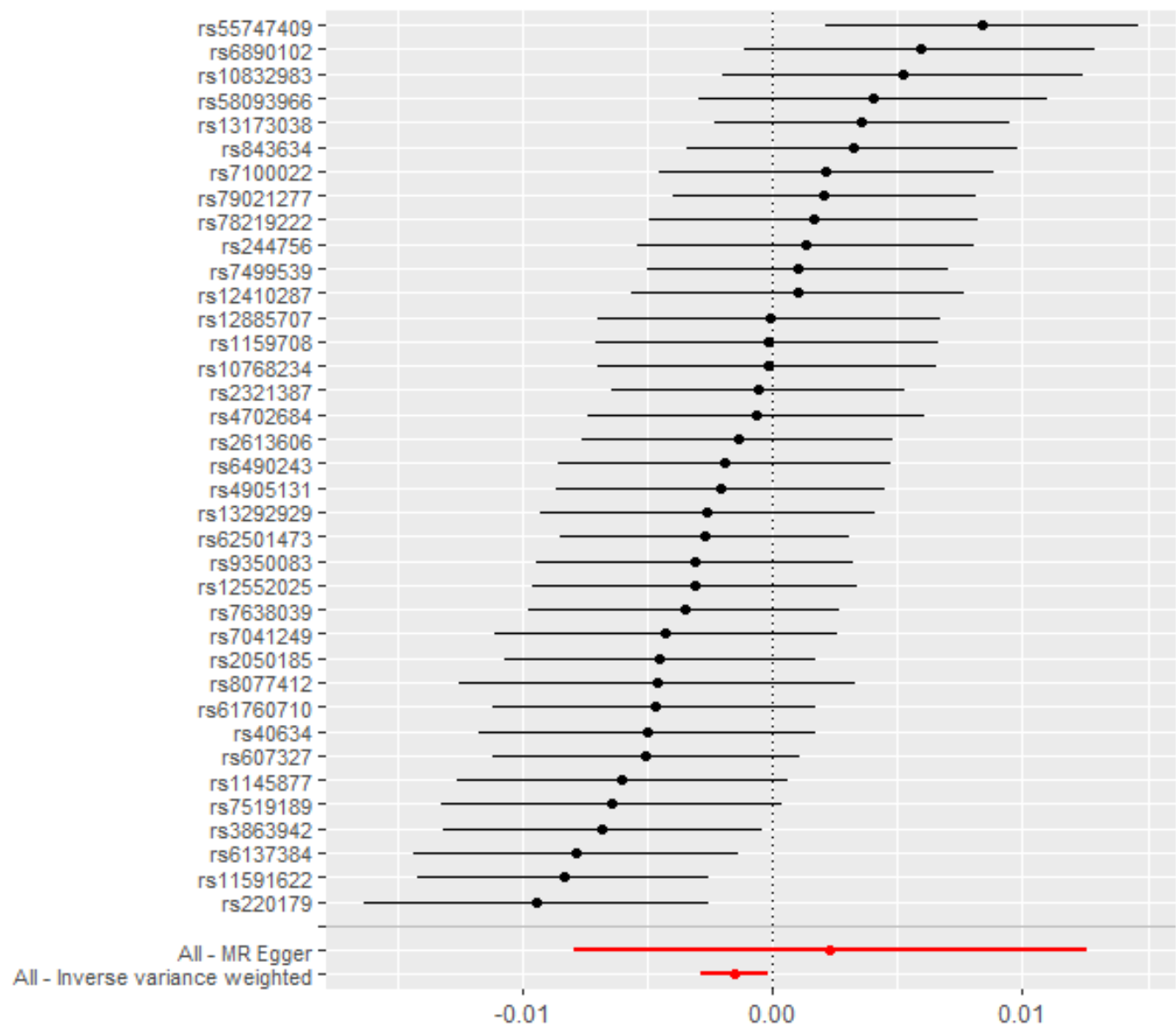
Figure 49 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Sutterella* id.2896) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017072' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || id:ukb-

on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

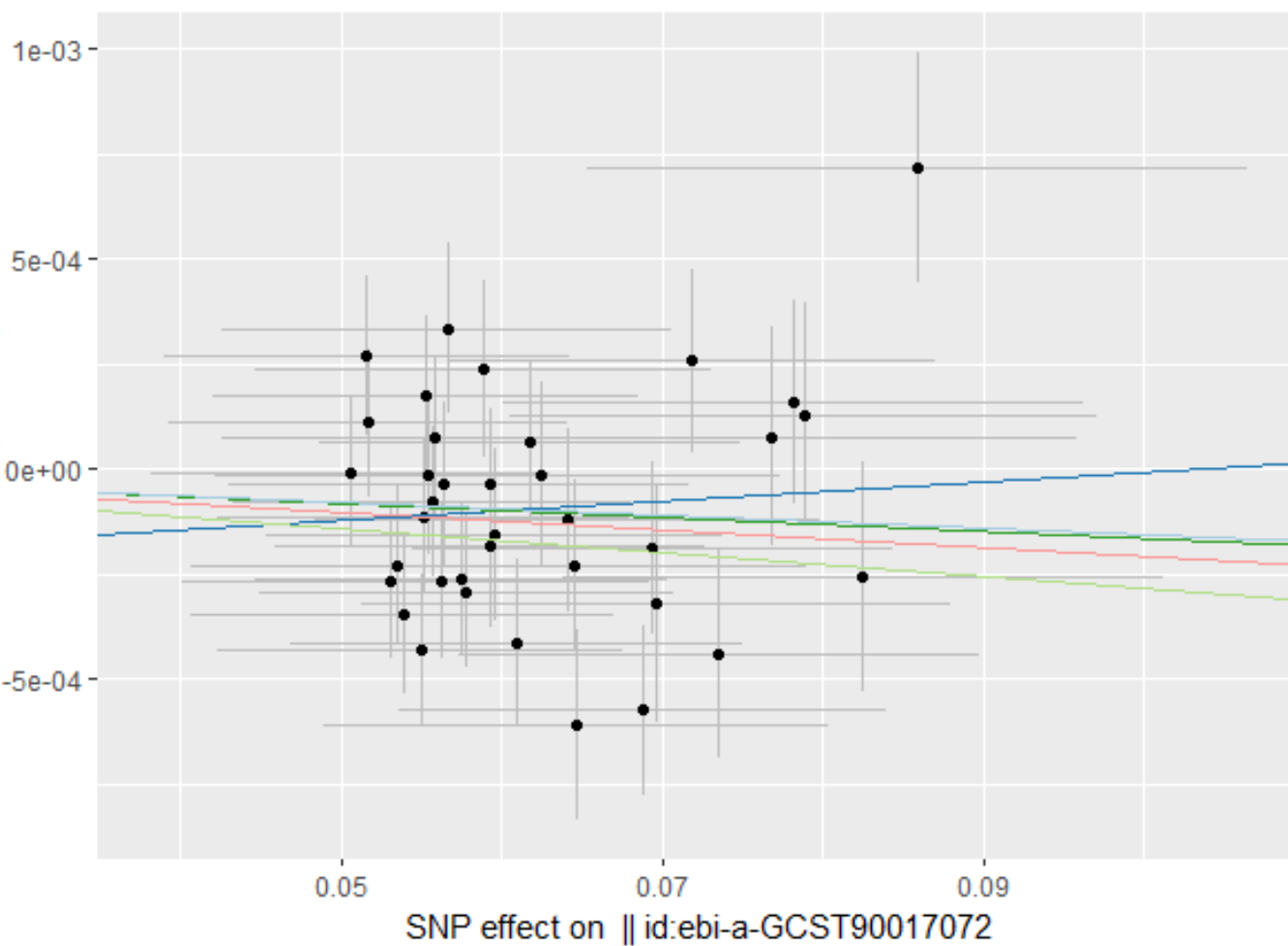
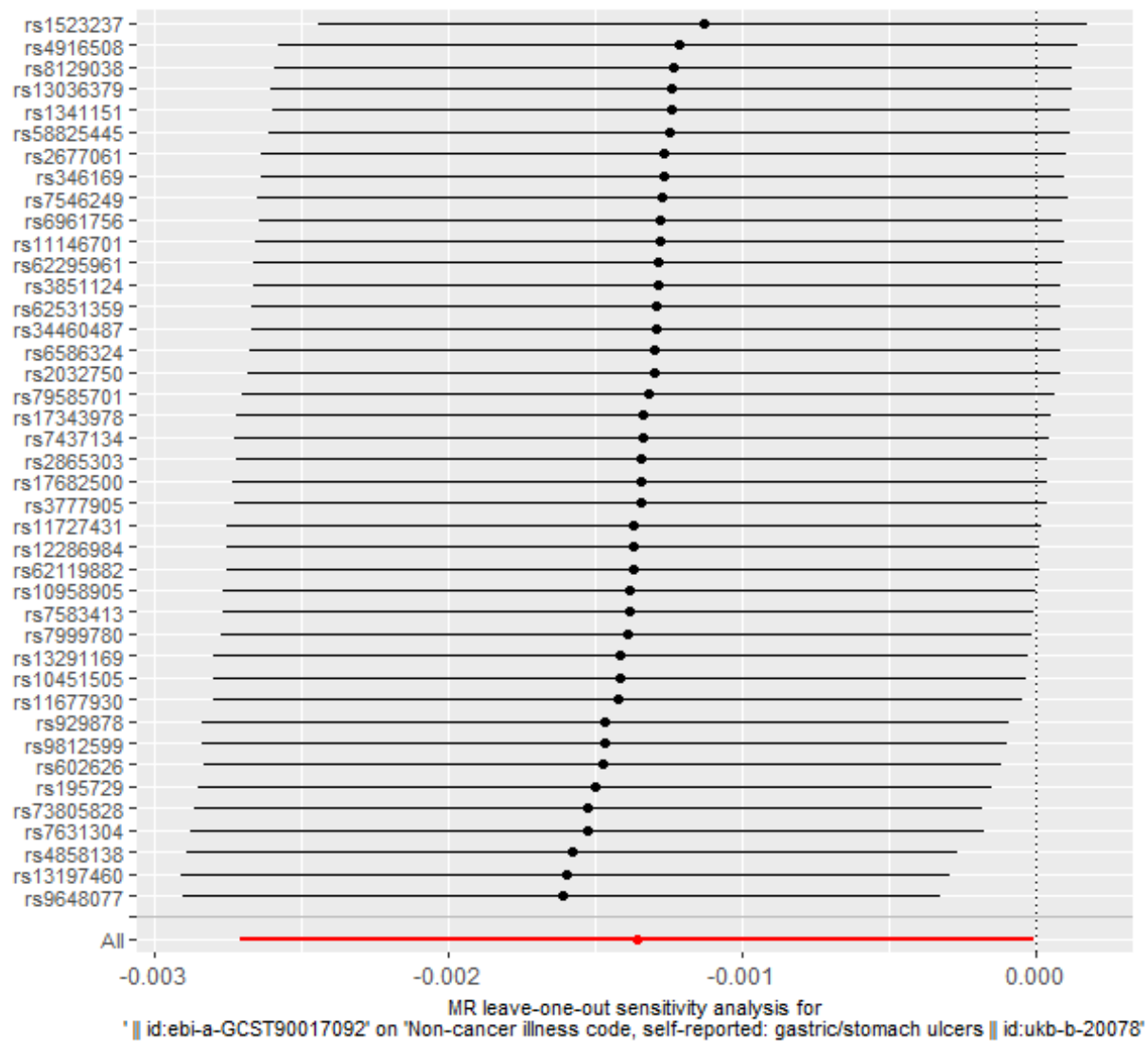
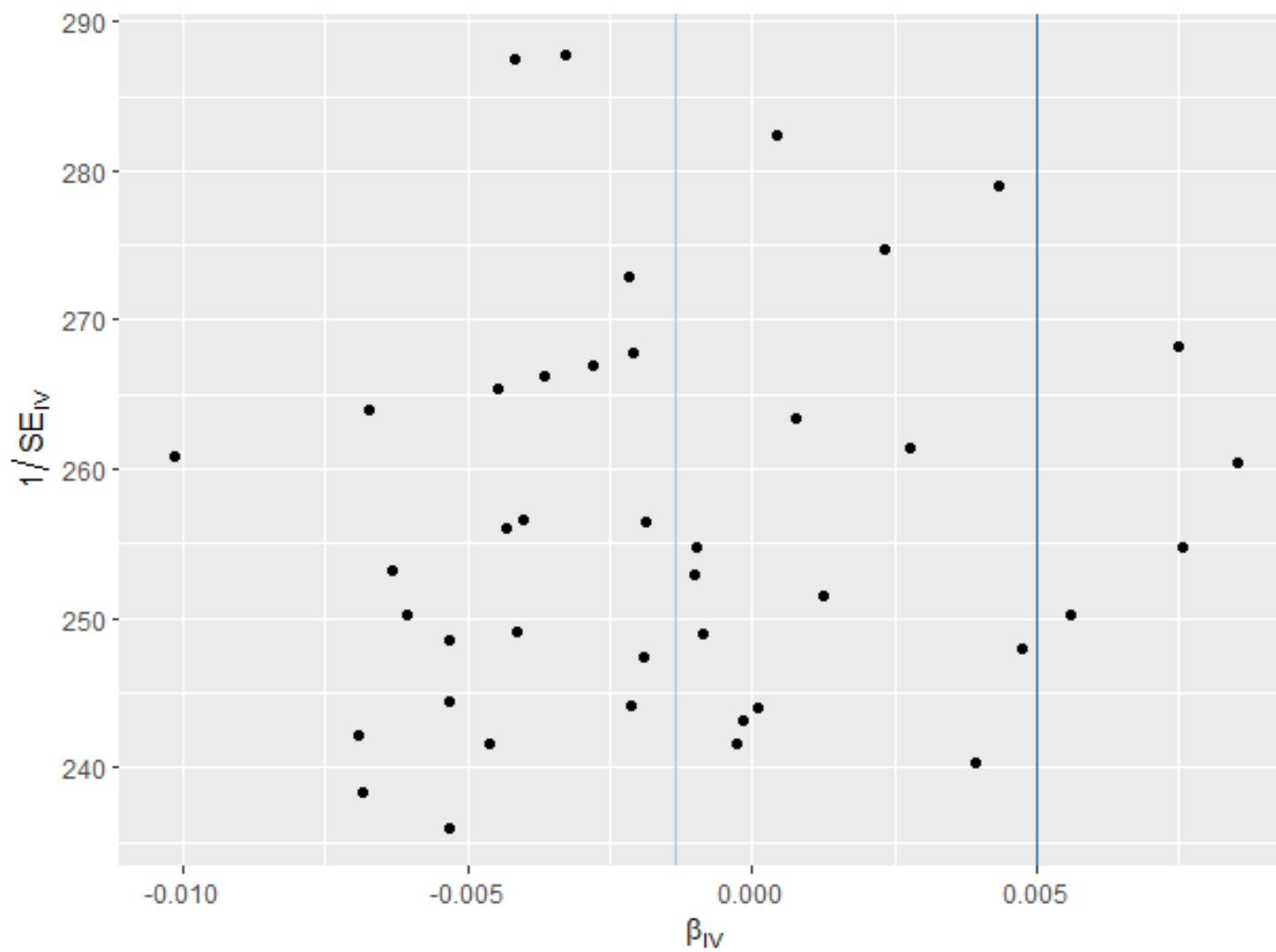


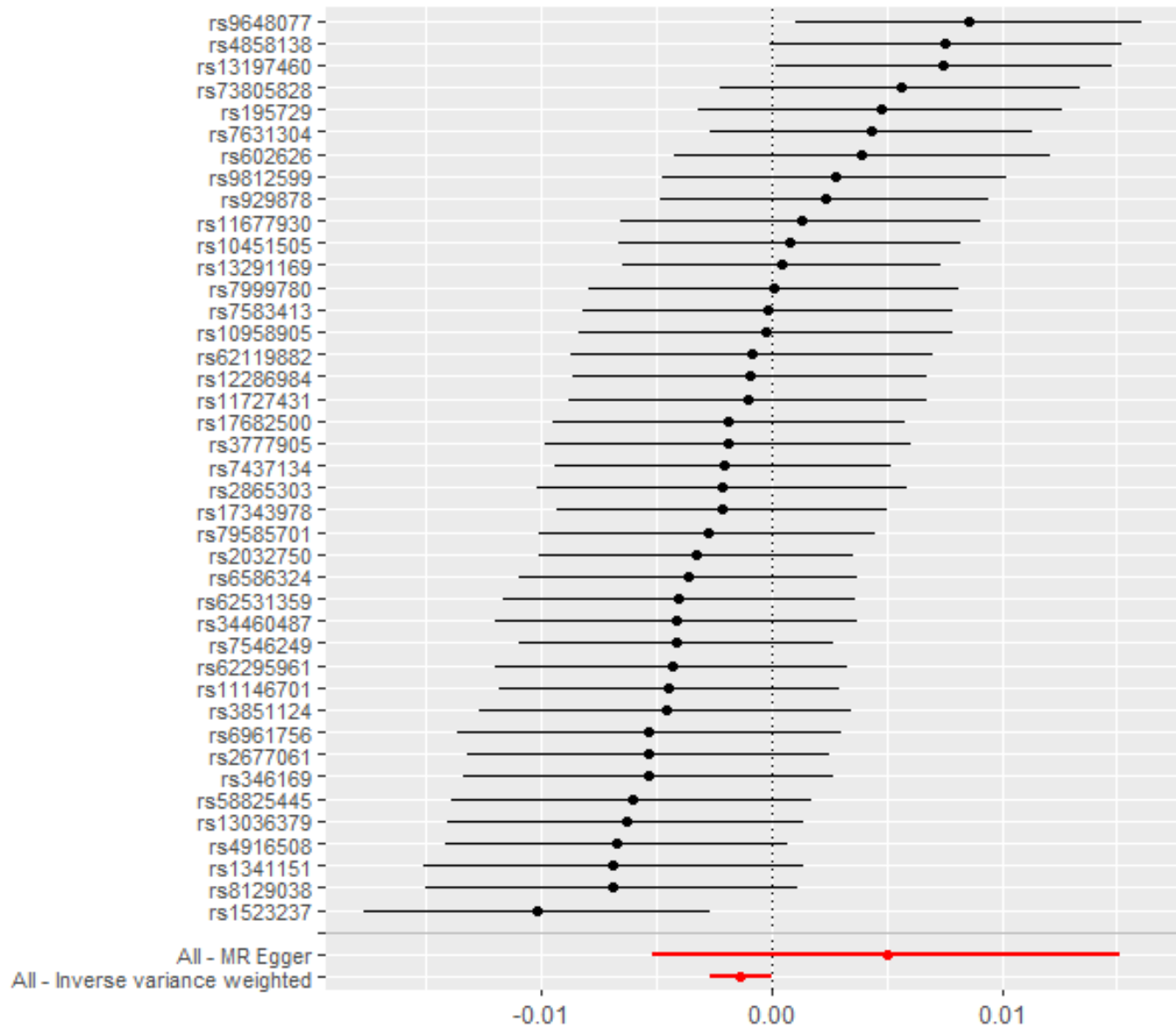
Figure 50 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Bacteroidales id.913) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017092' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers' || id:ukb-

on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

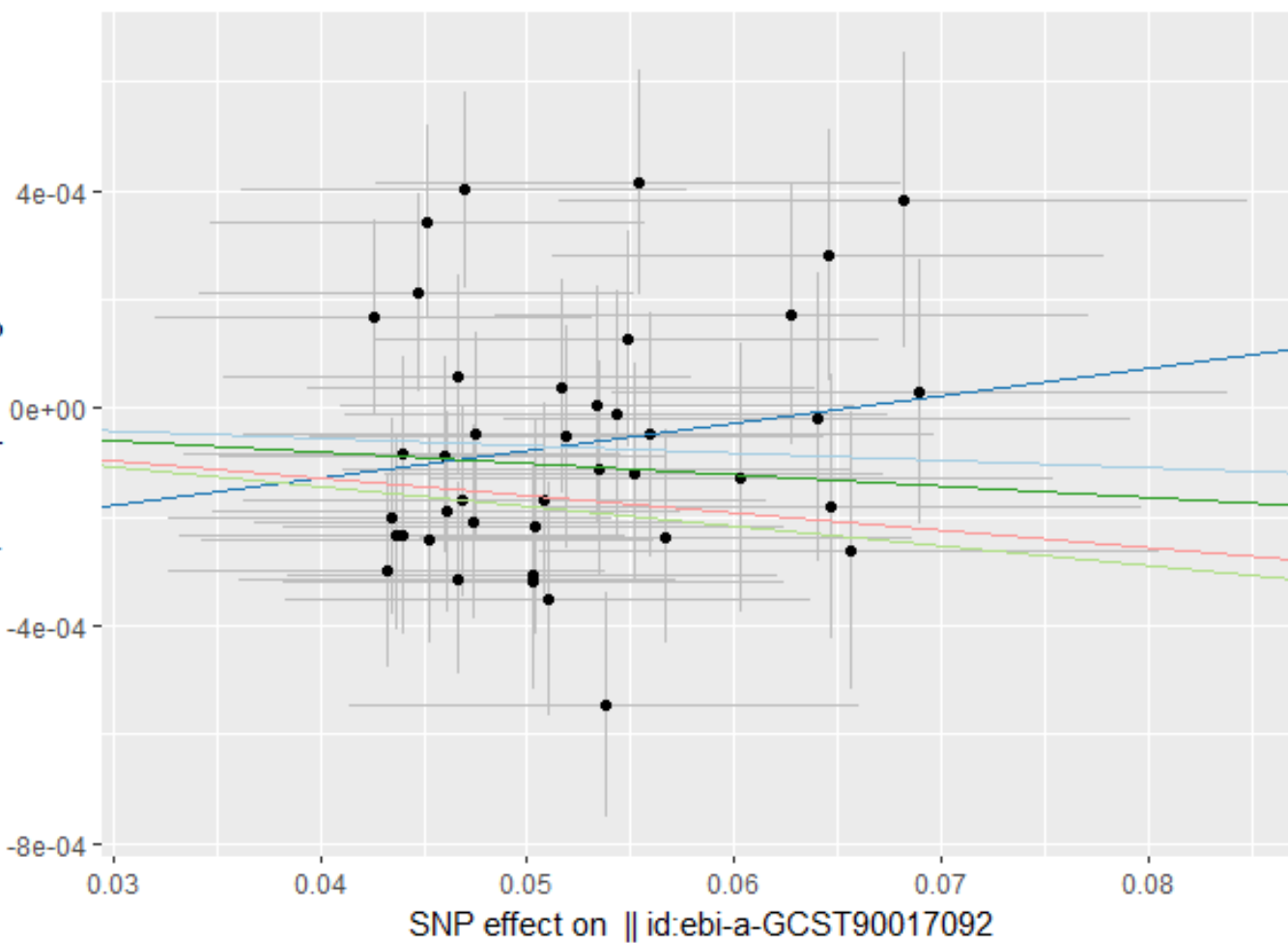
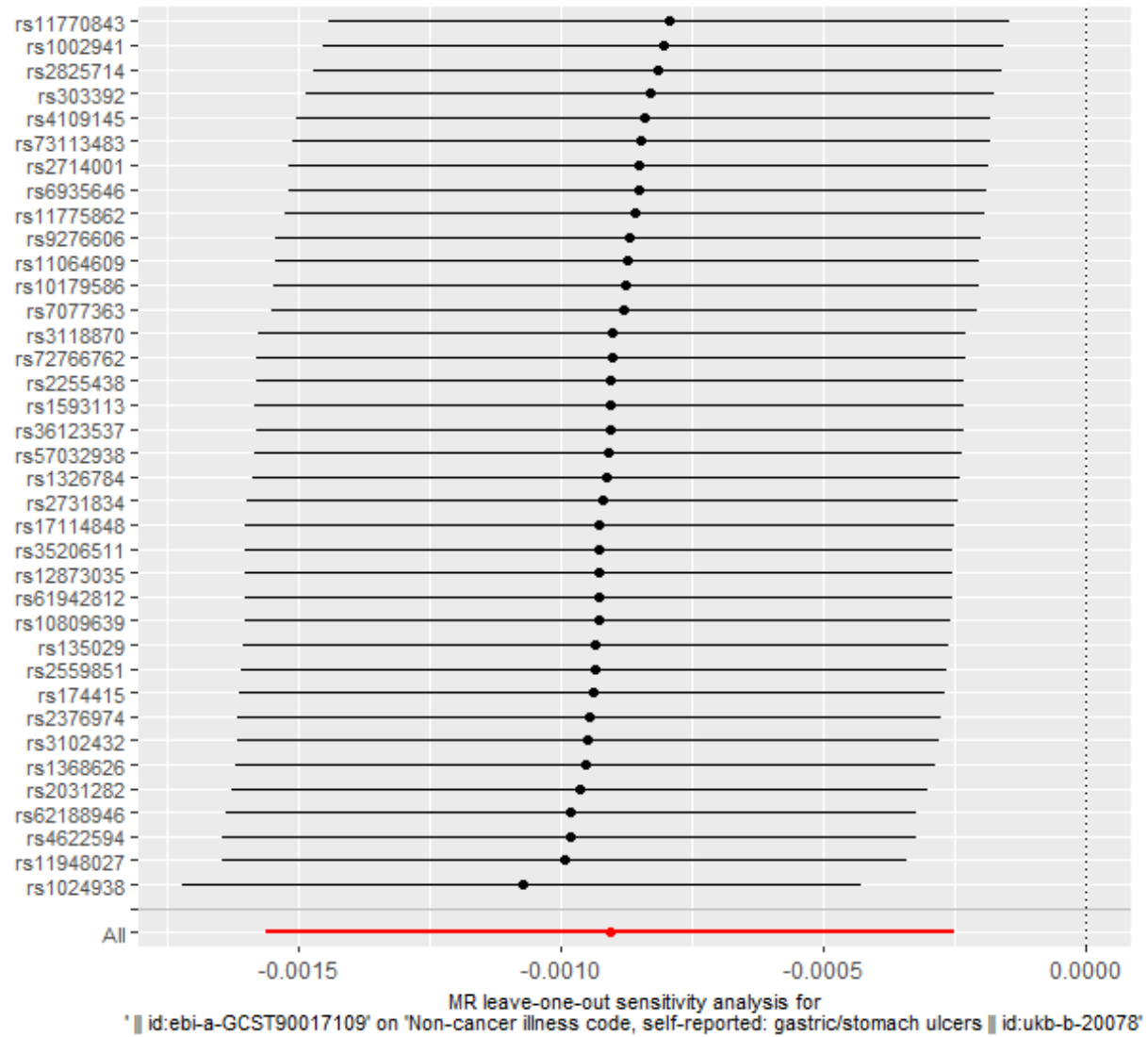
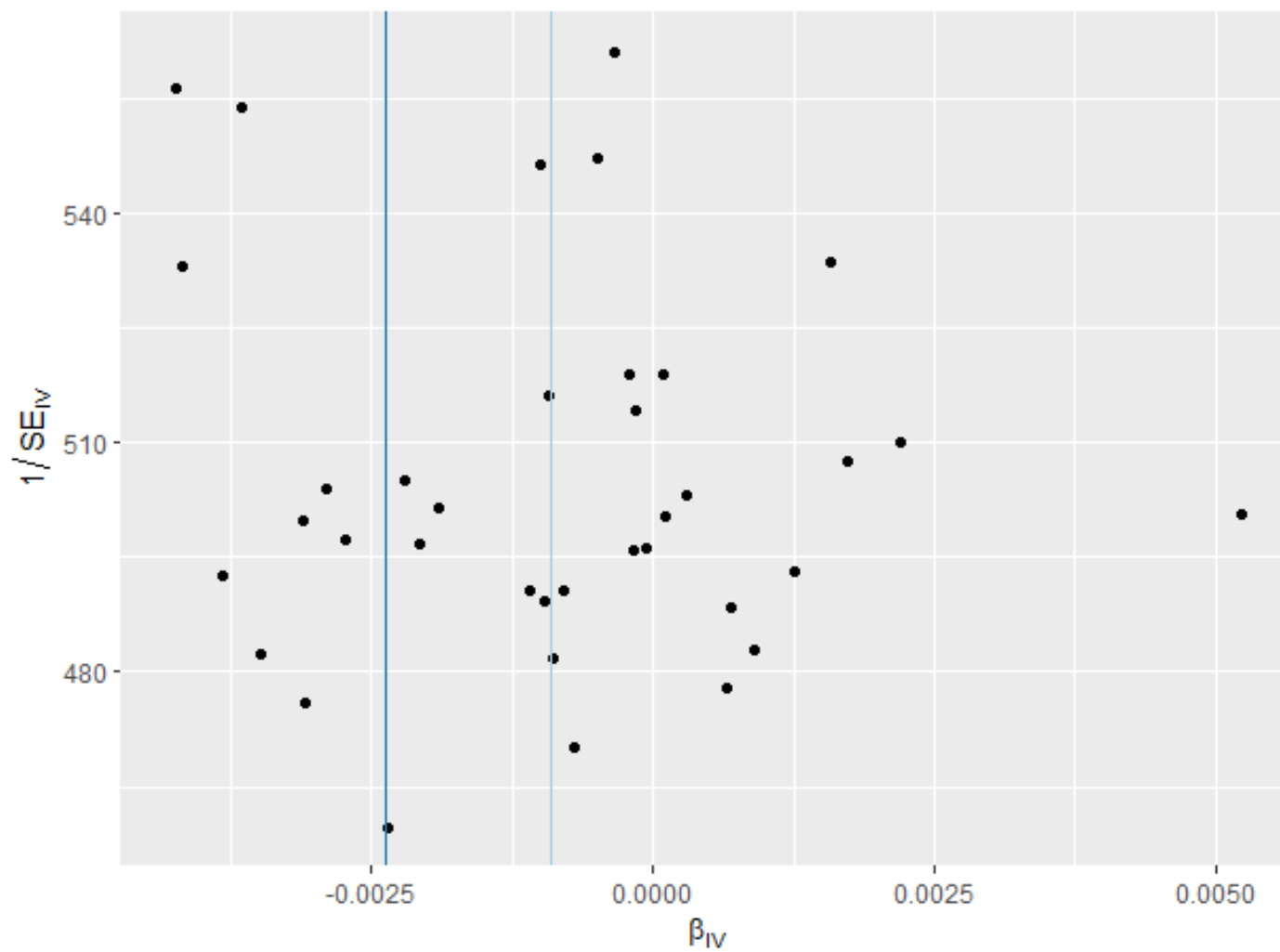


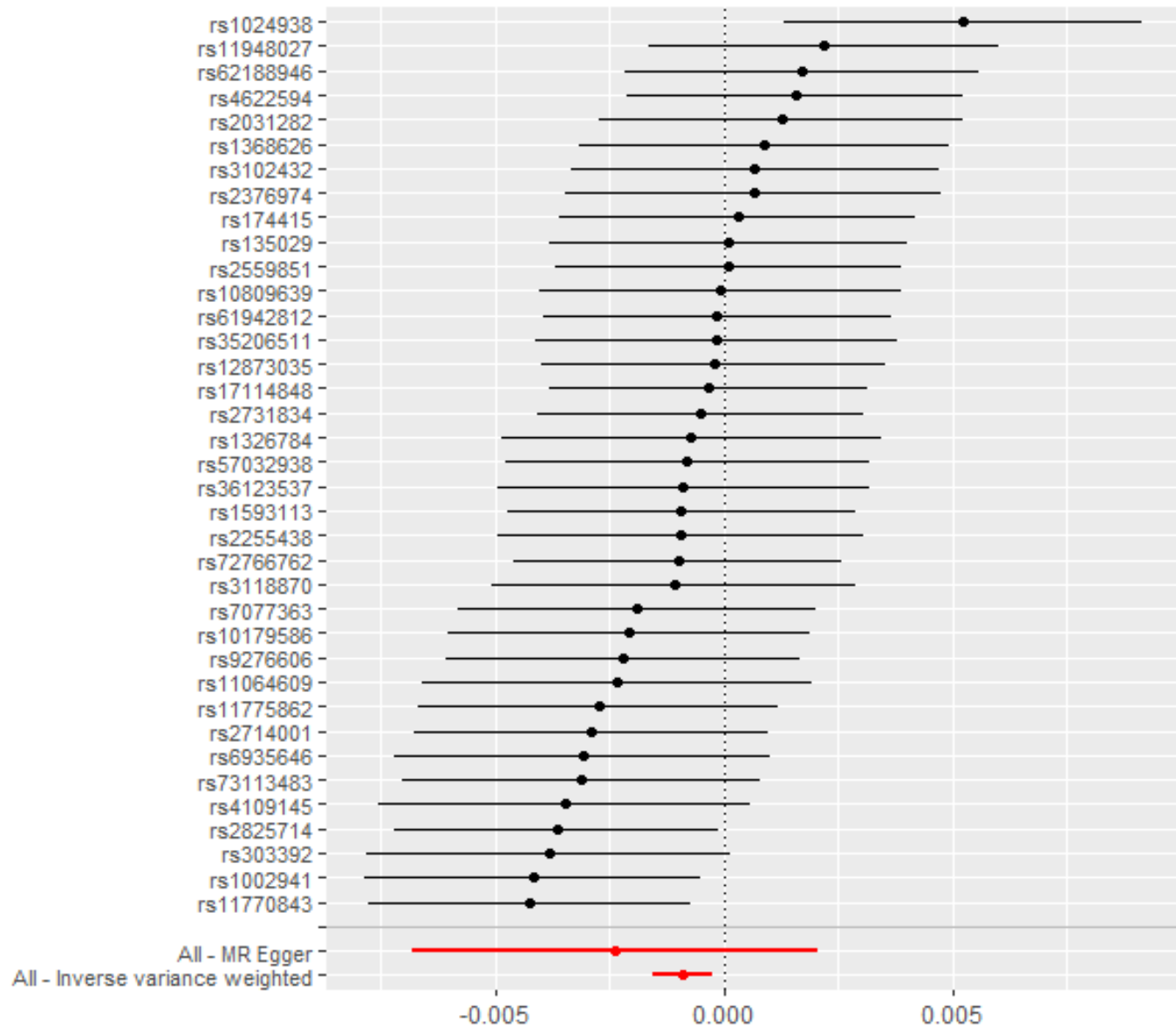
Figure 51 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Victivallales id.2254) on gastric ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for ' || id:ebi-a-GCST90017109' on 'Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-

on Non-cancer illness code, self-reported: gastric/stomach ulcers || id:ukb-b-20078

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

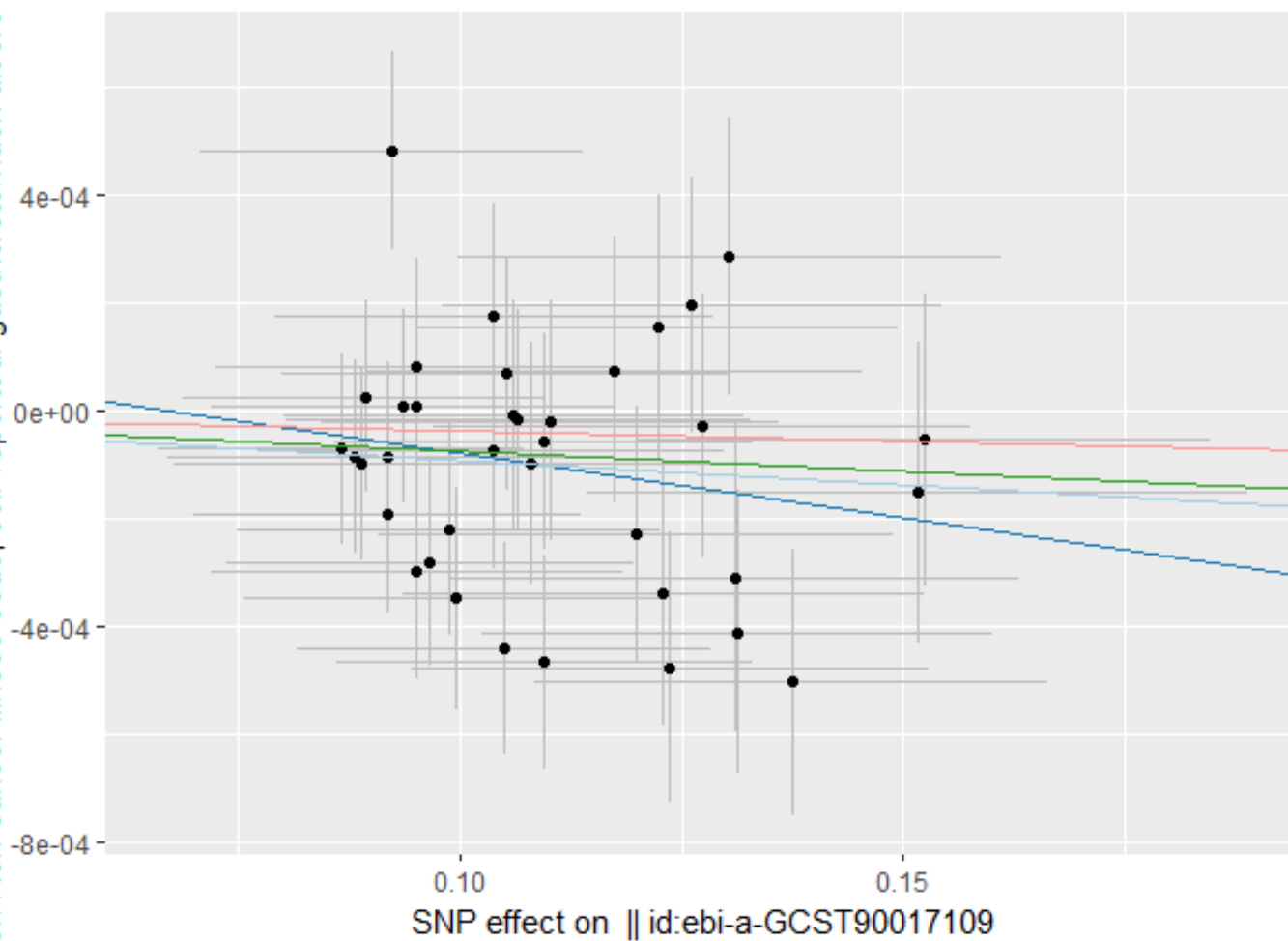
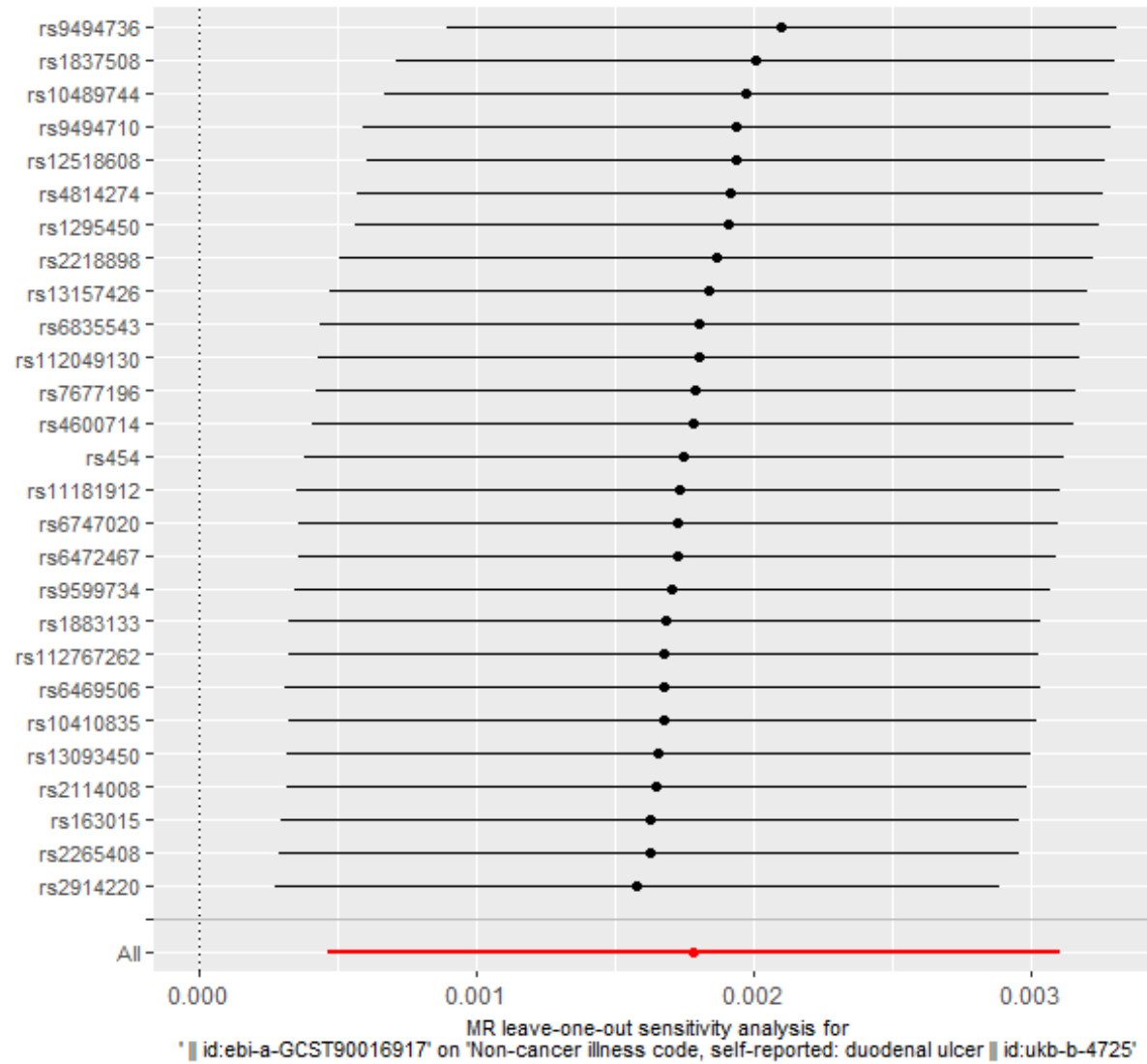
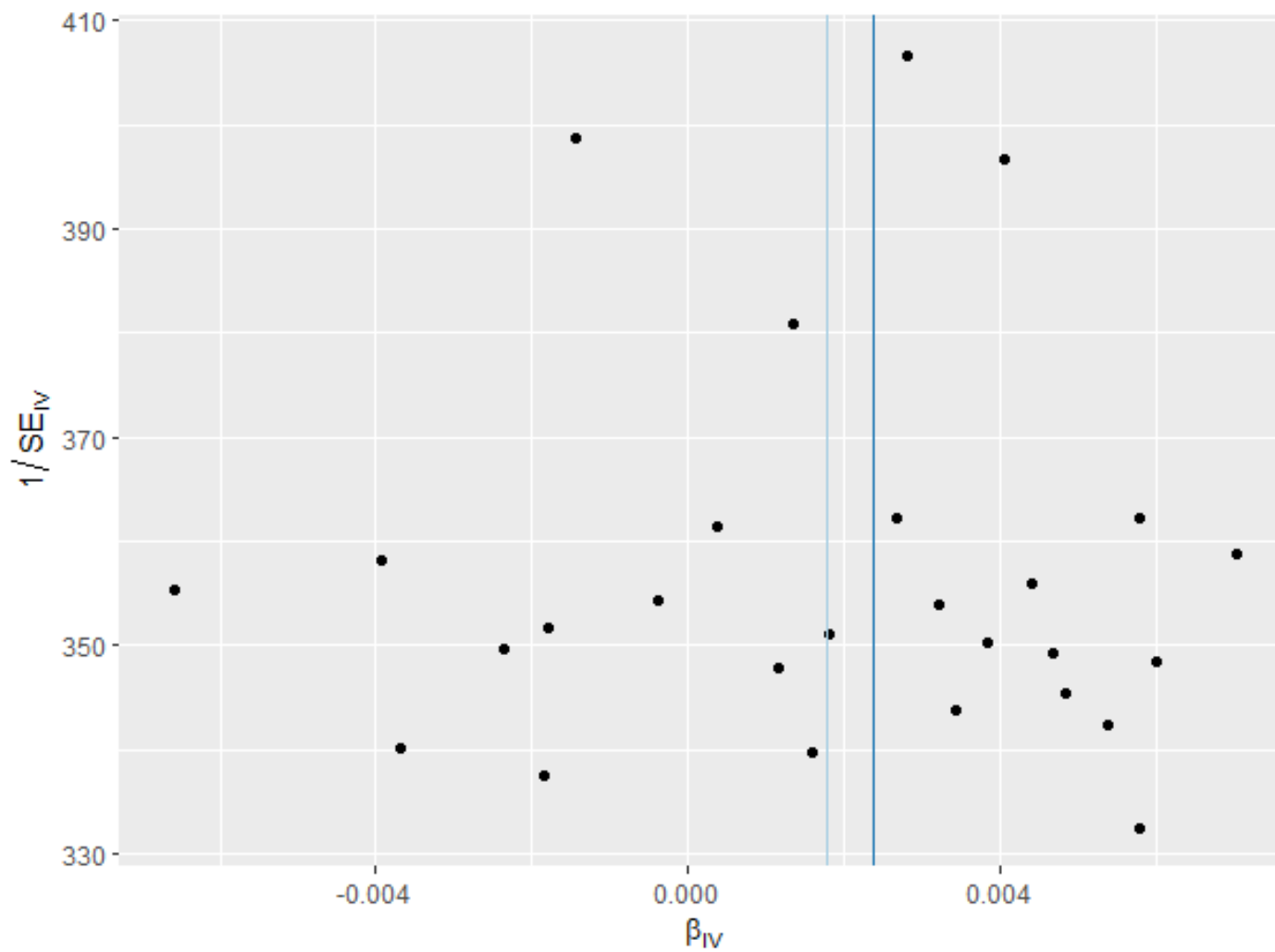


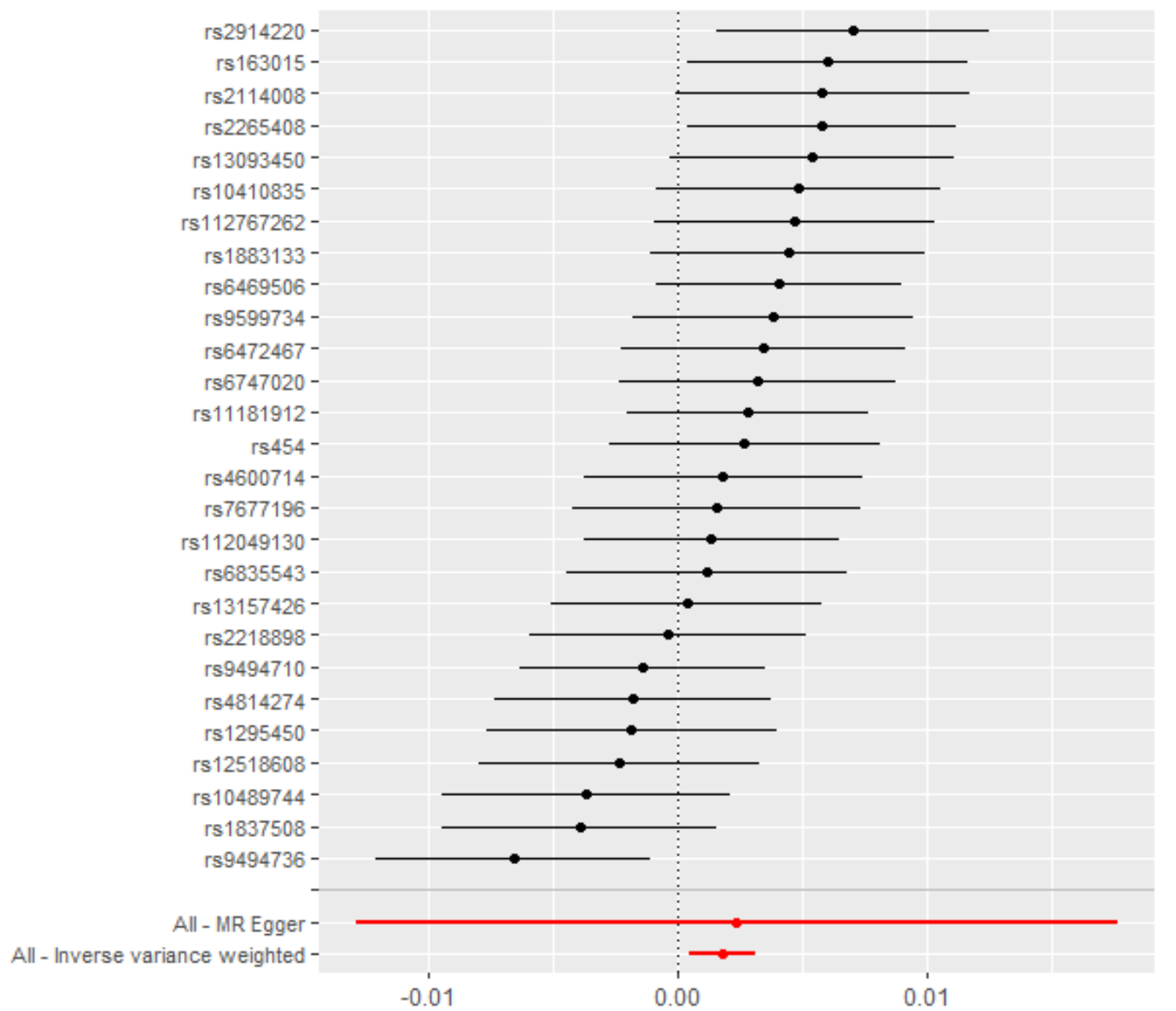
Figure 52 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Gammaproteobacteria id.3303) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016917' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

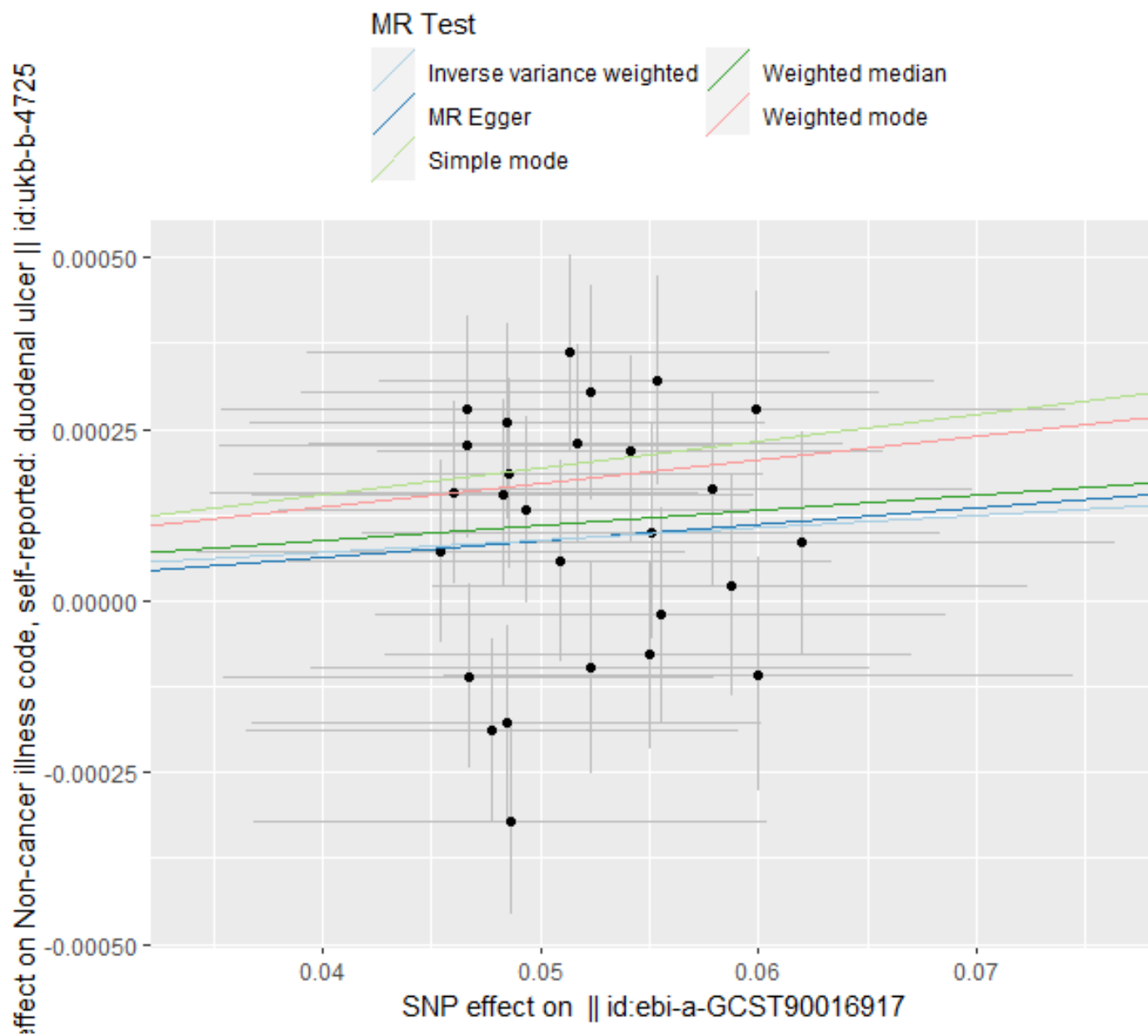
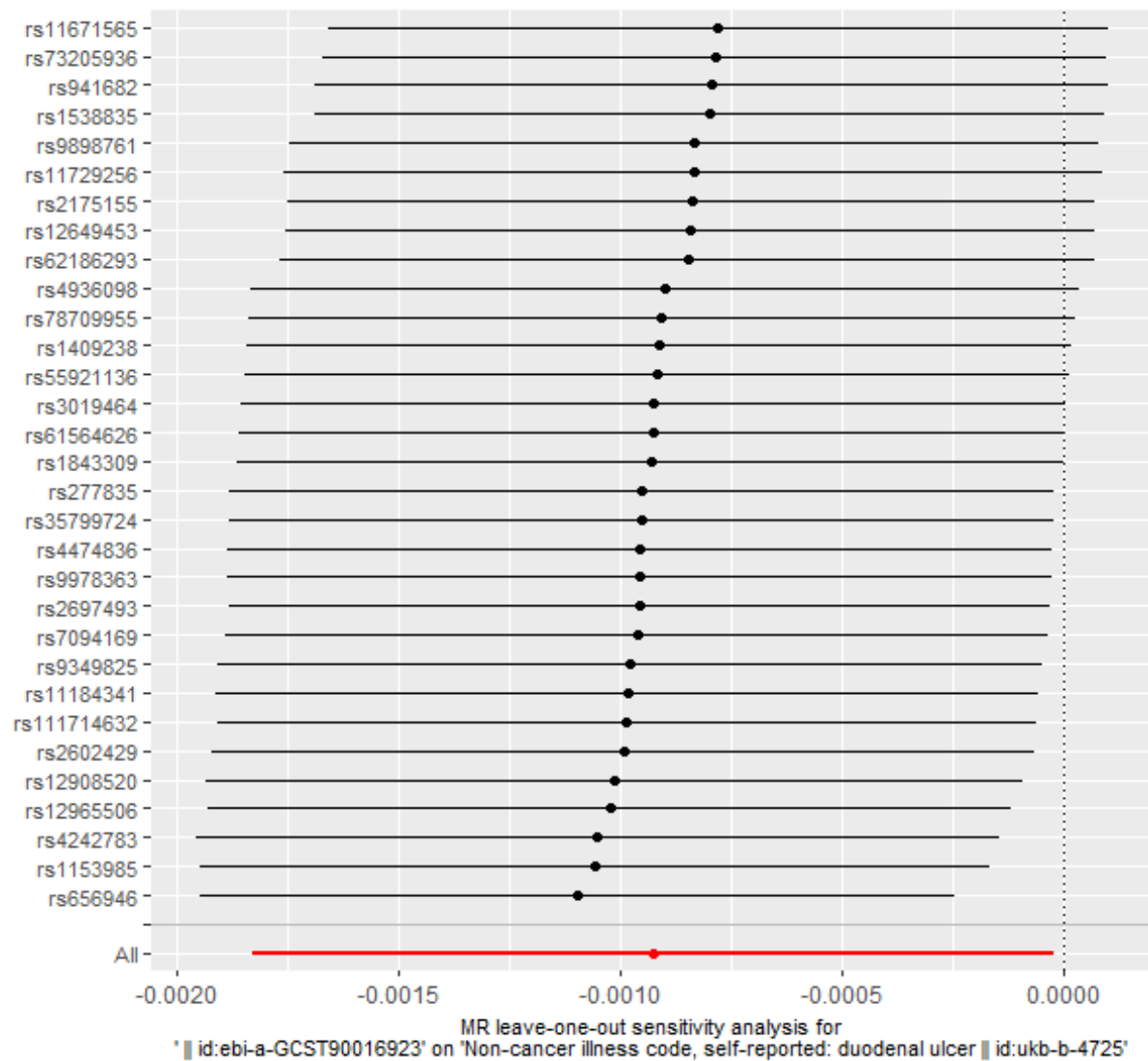
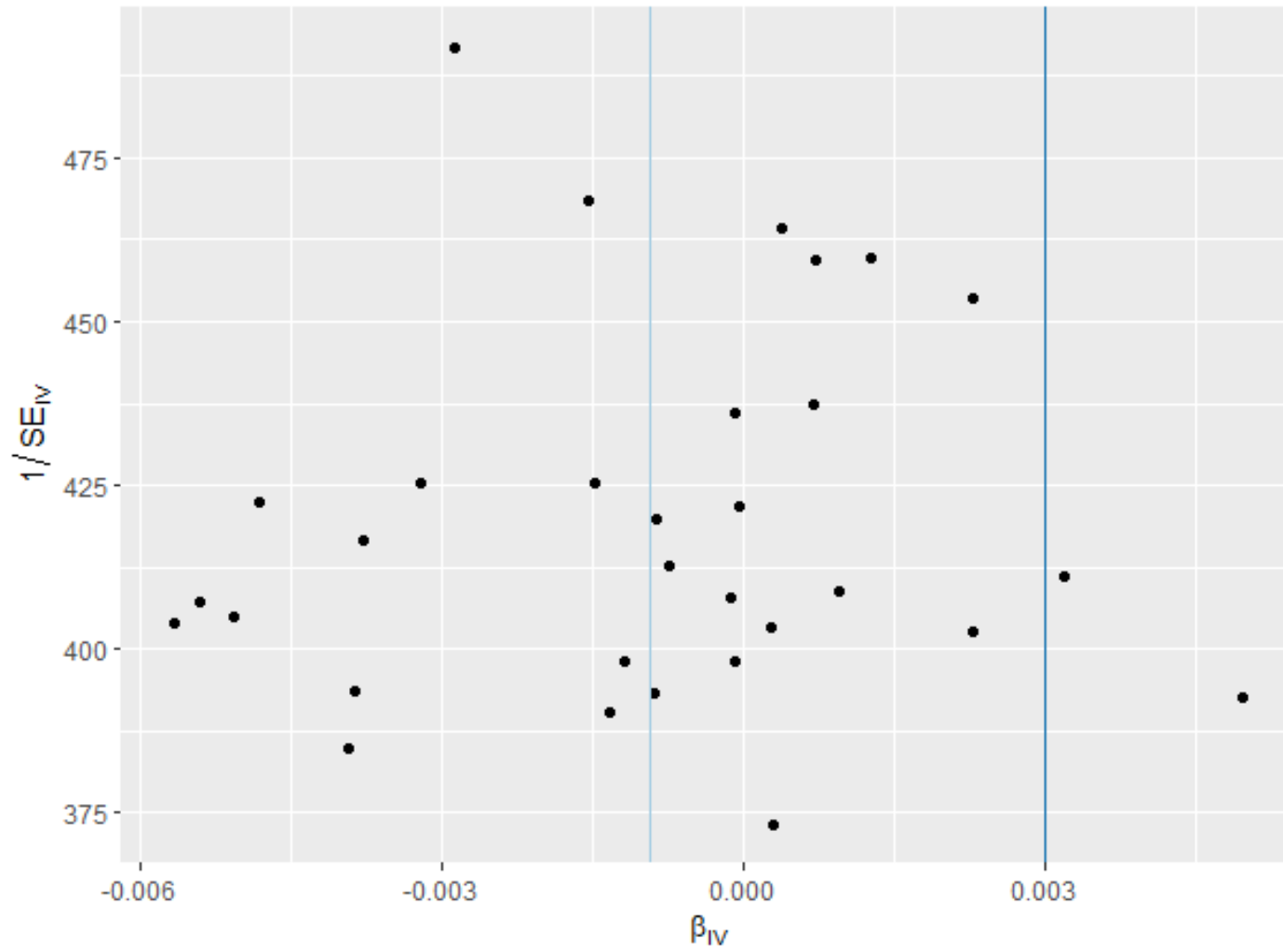


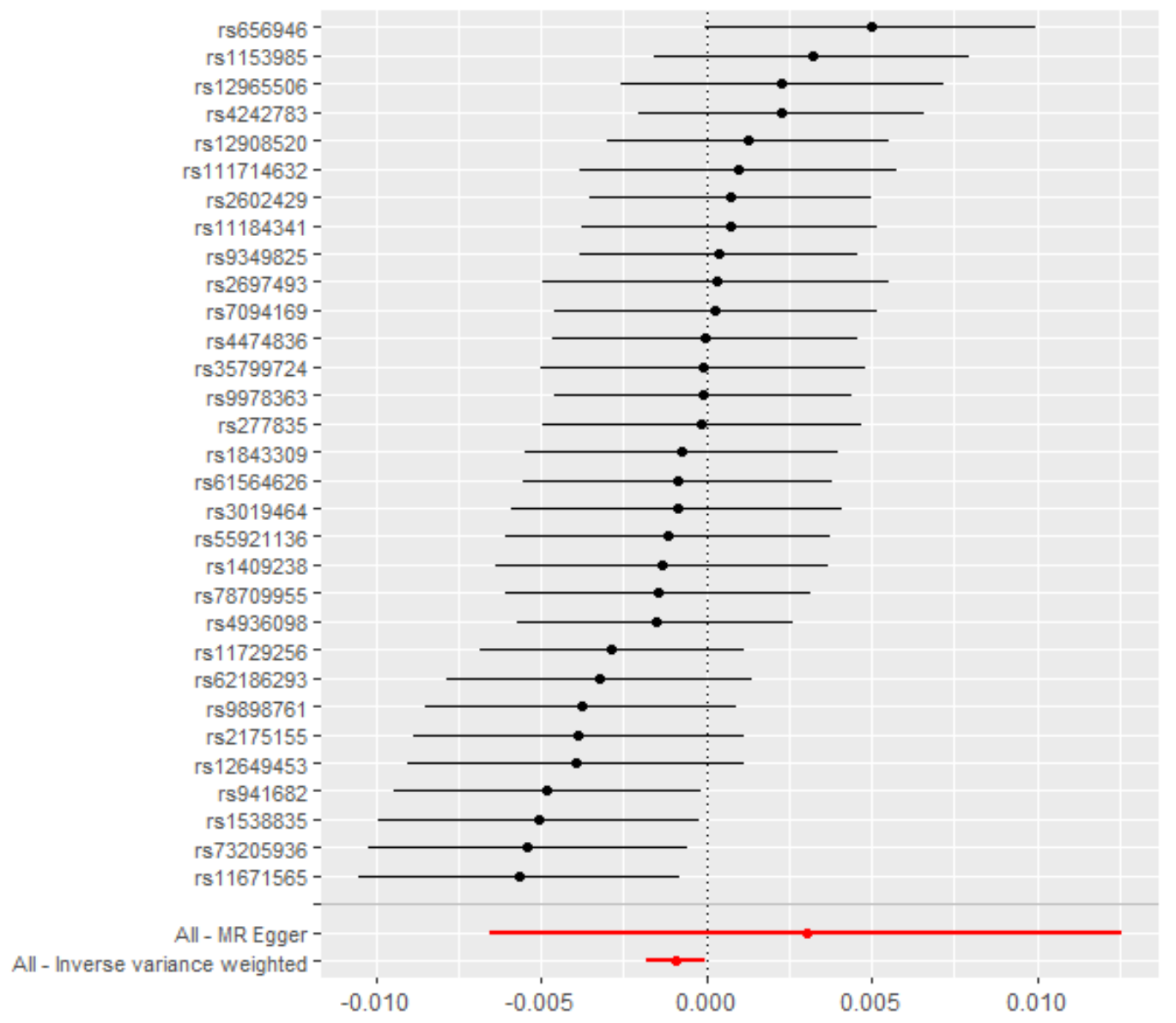
Figure 53 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Verrucomicrobiae id.4029) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for ' || id:ebi-a-GCST90016923' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

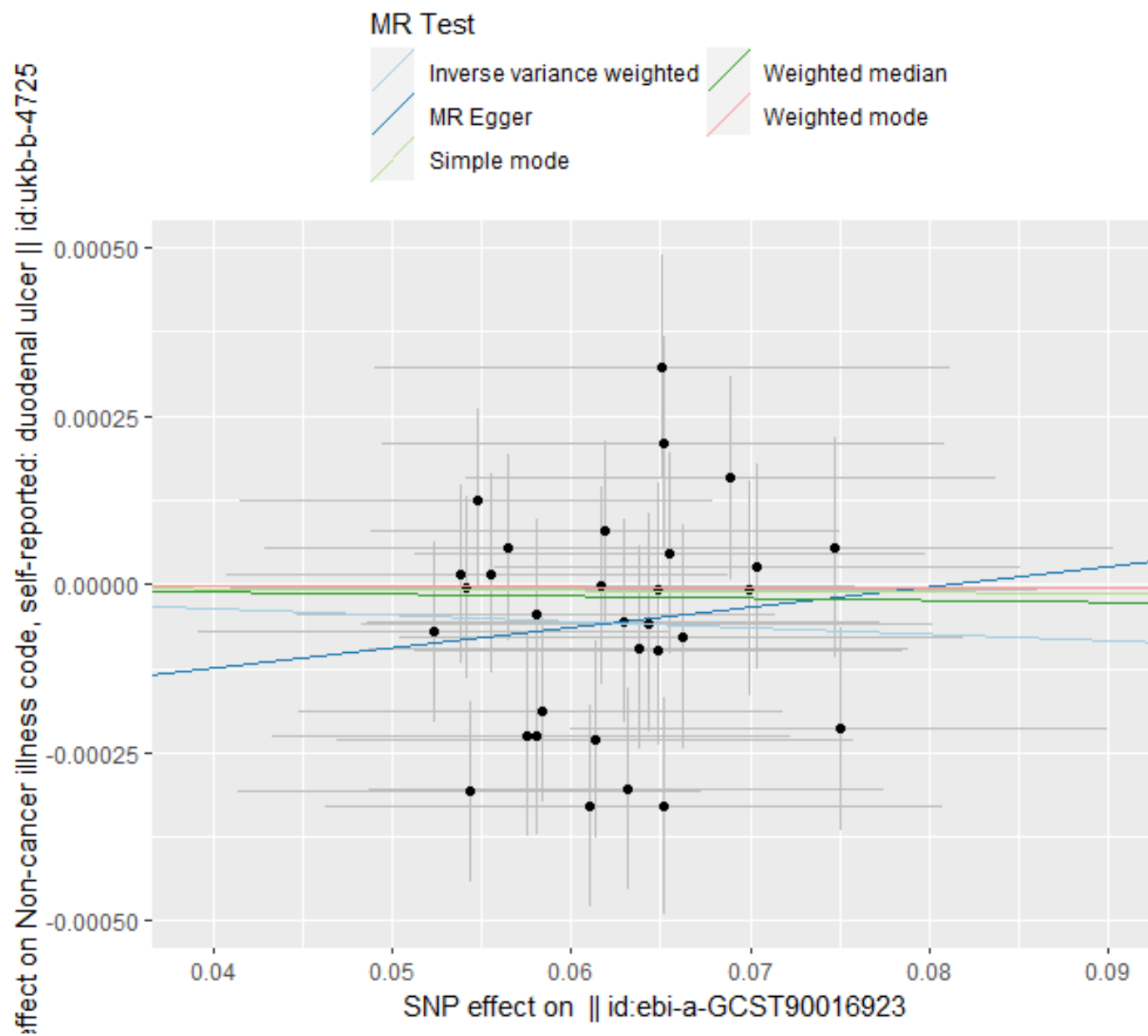
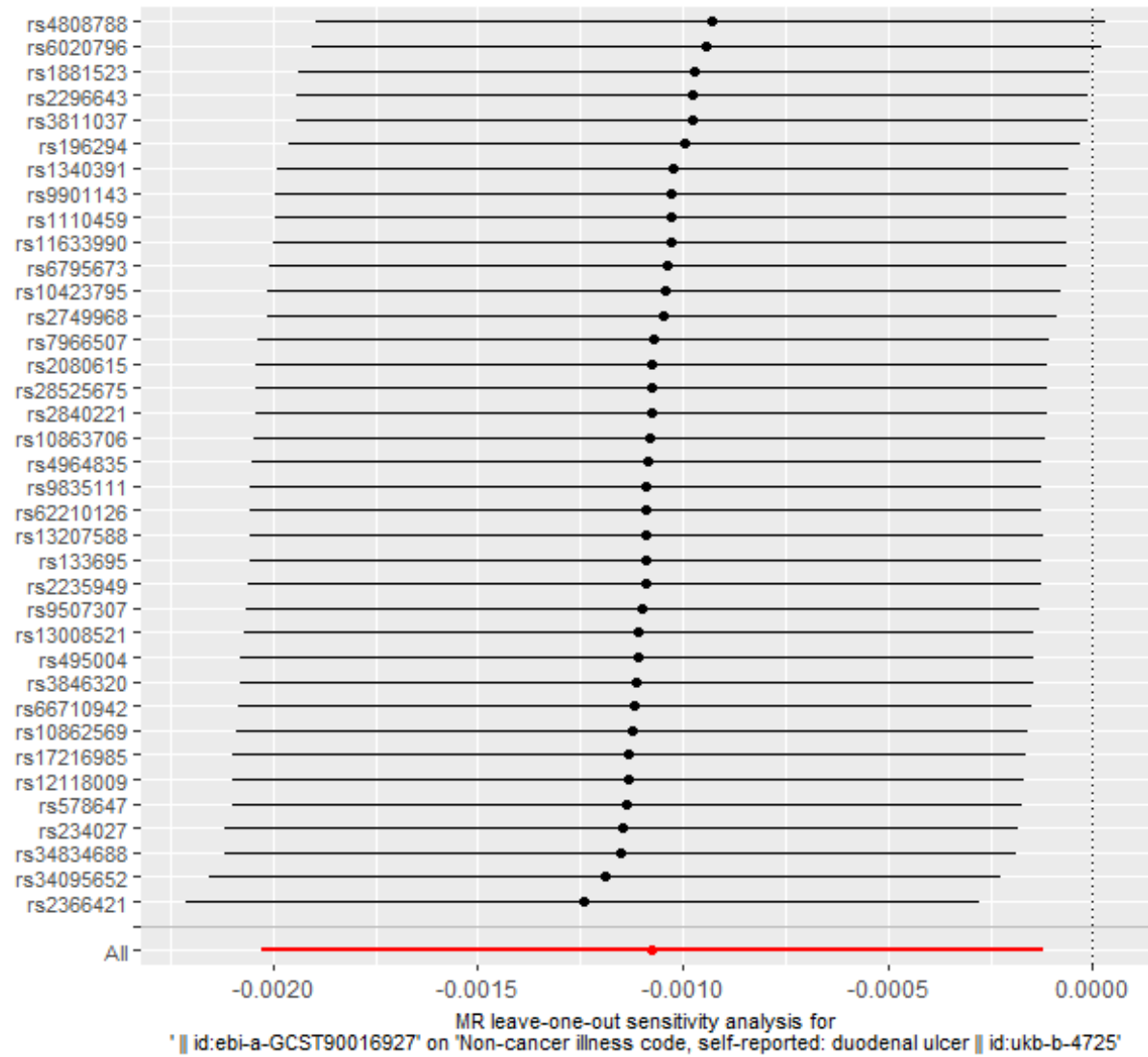
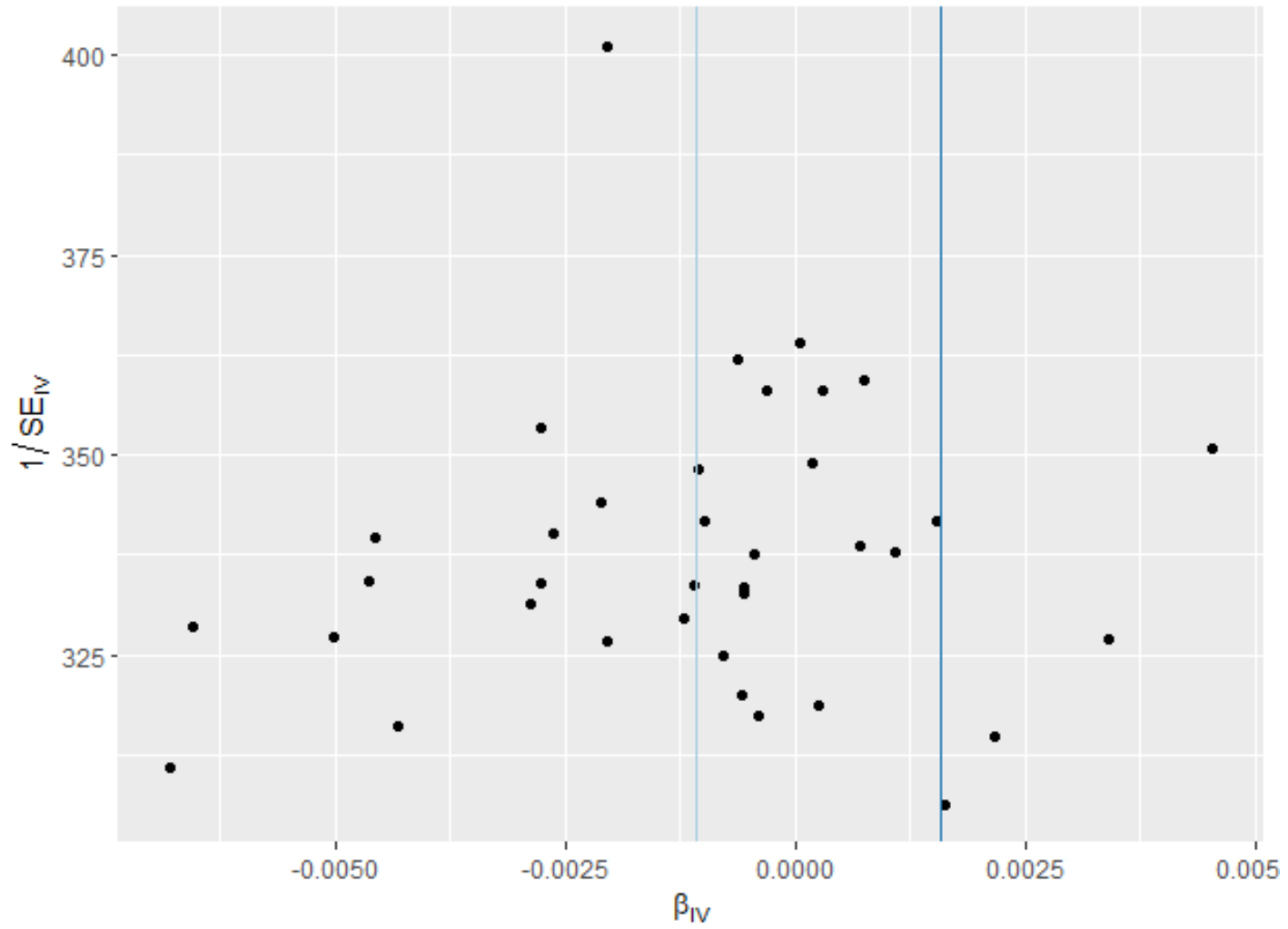


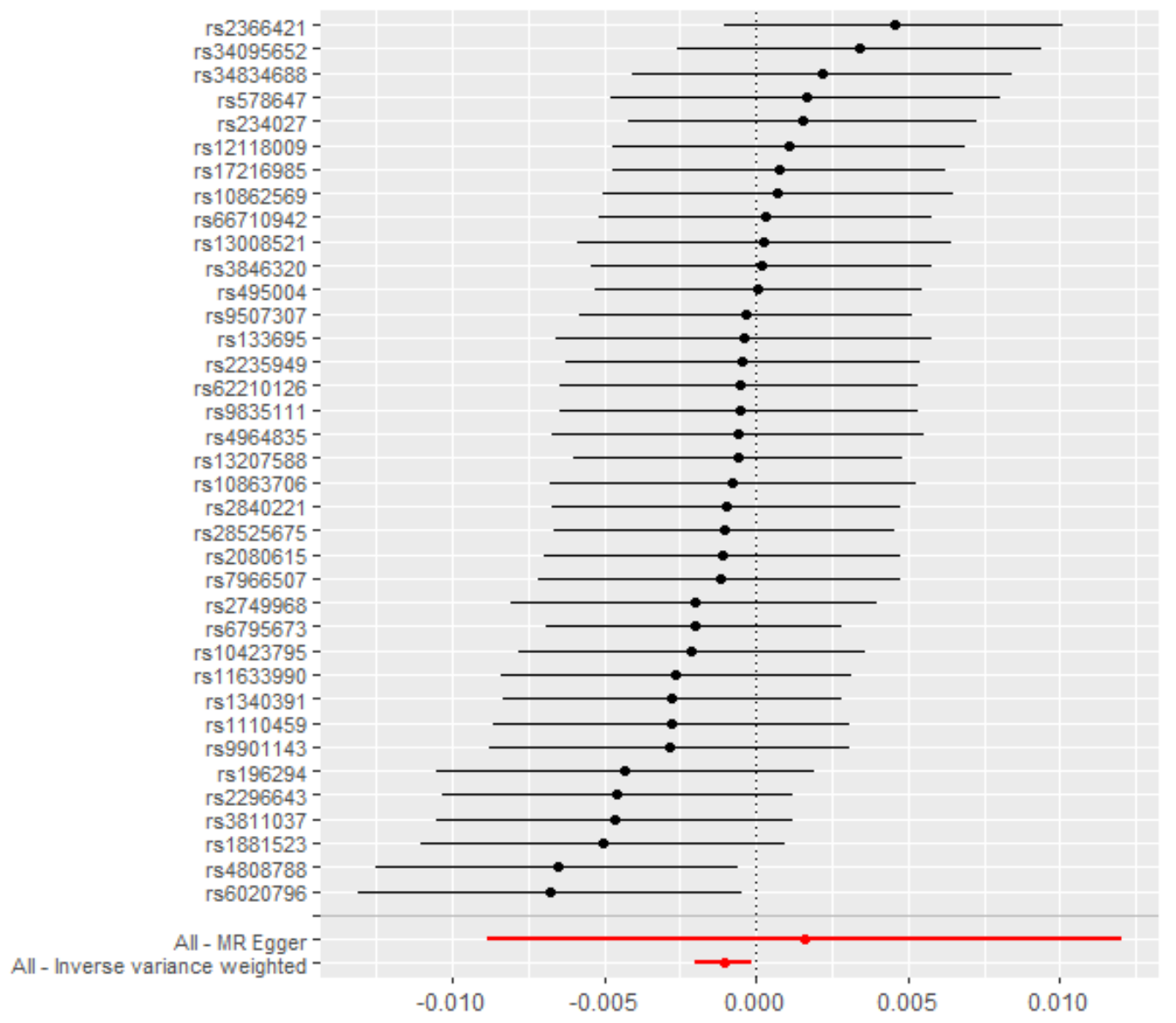
Figure 54 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Bacteroidaceae id.917) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016927' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

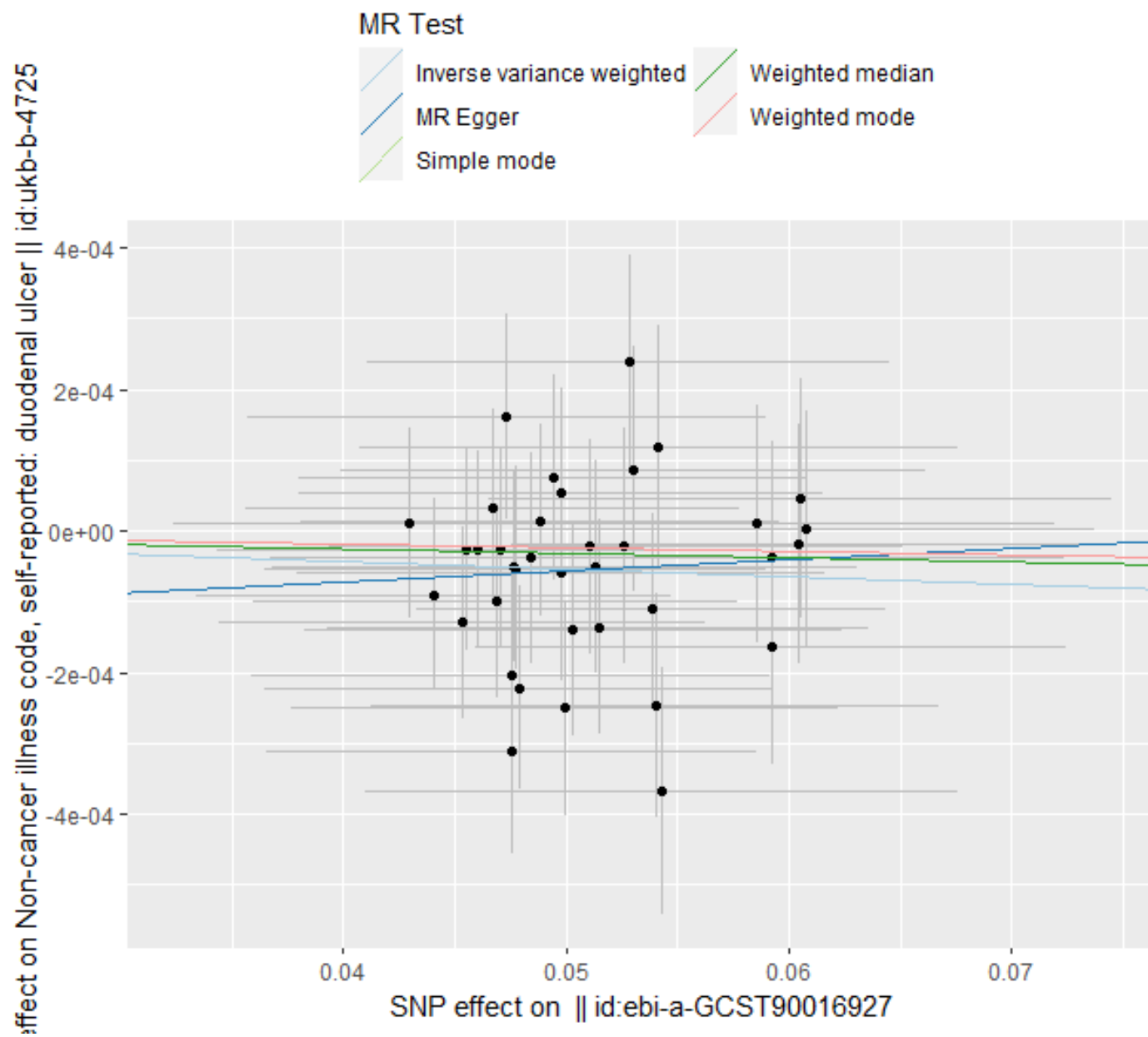
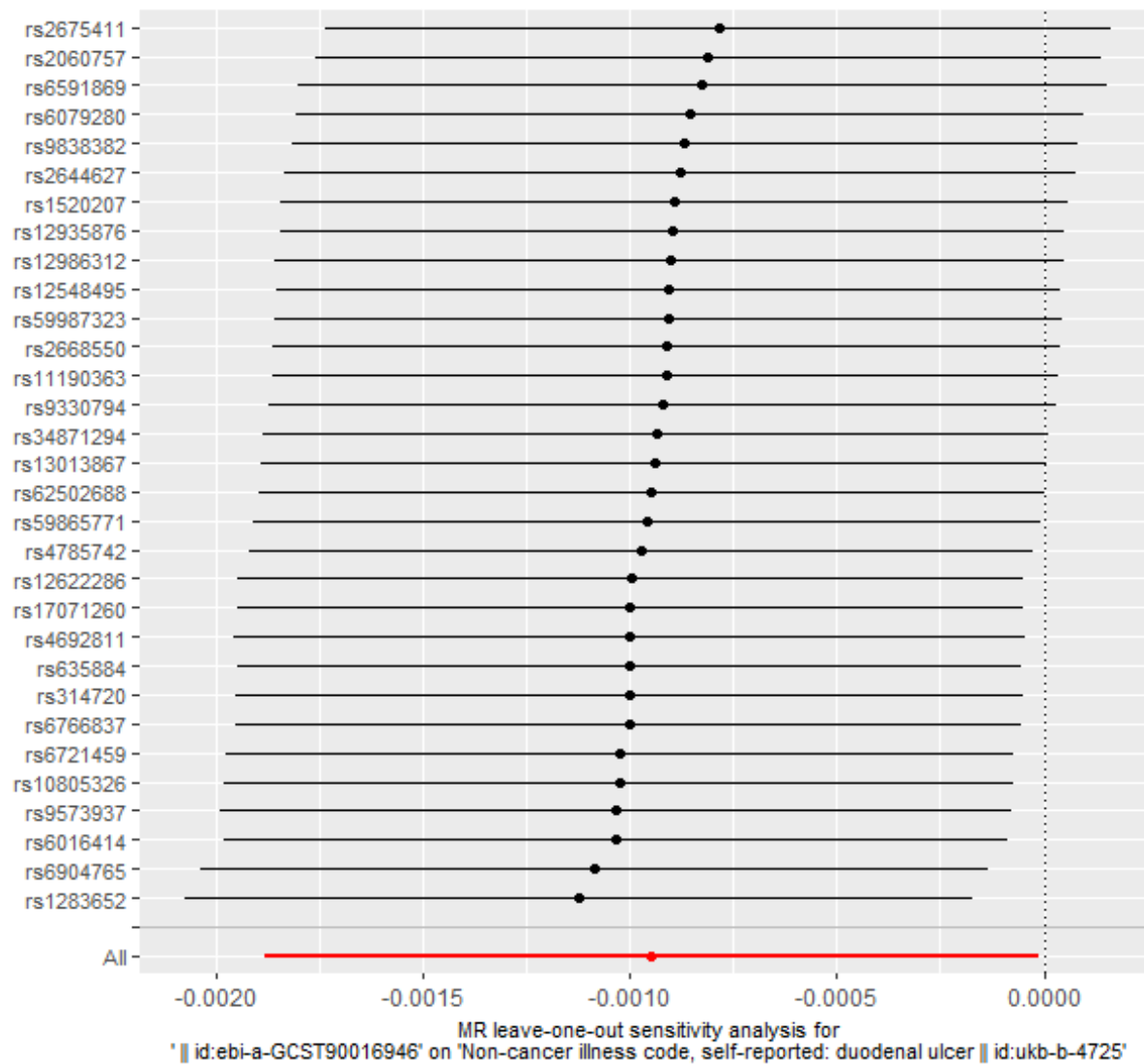
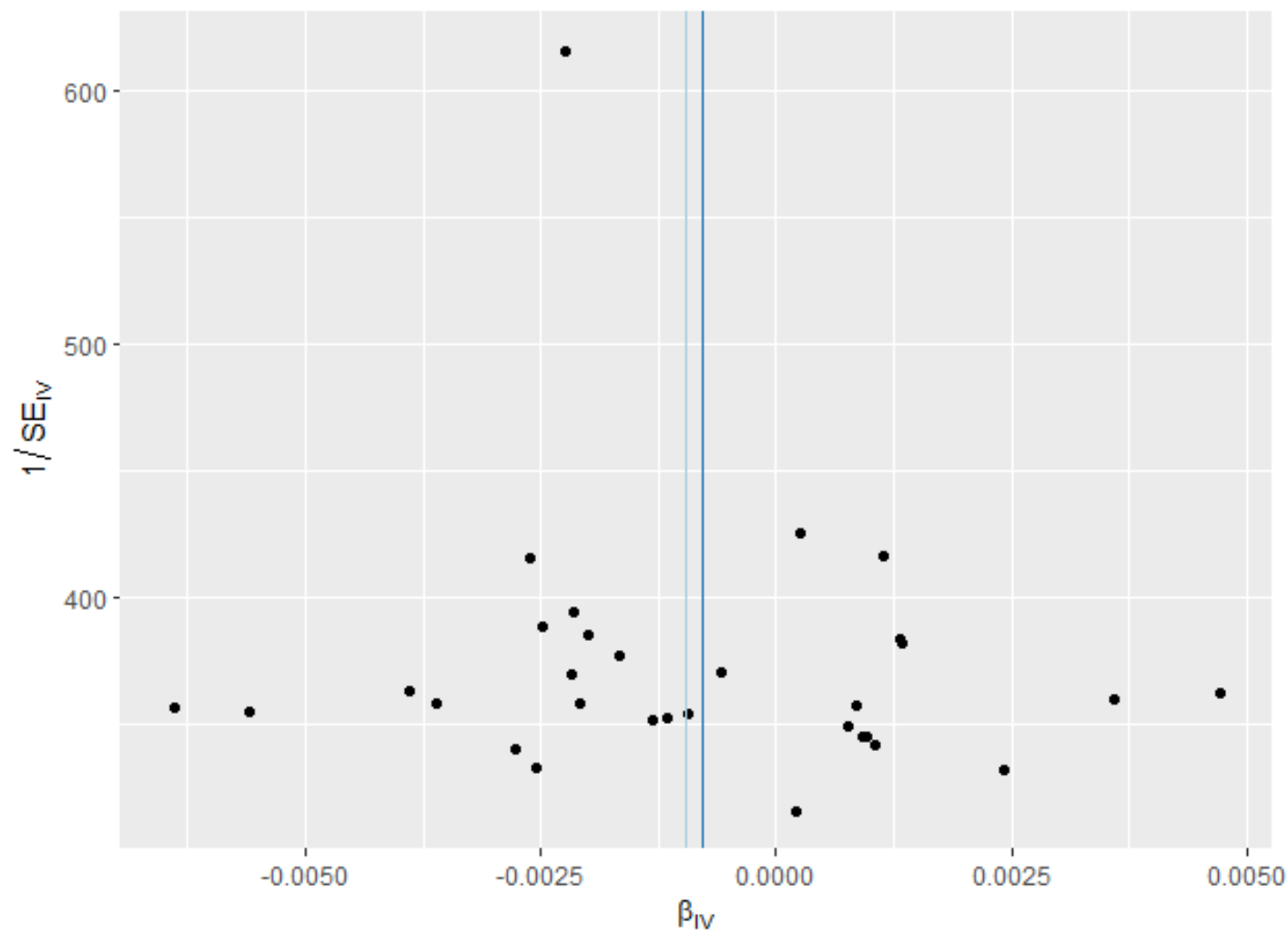


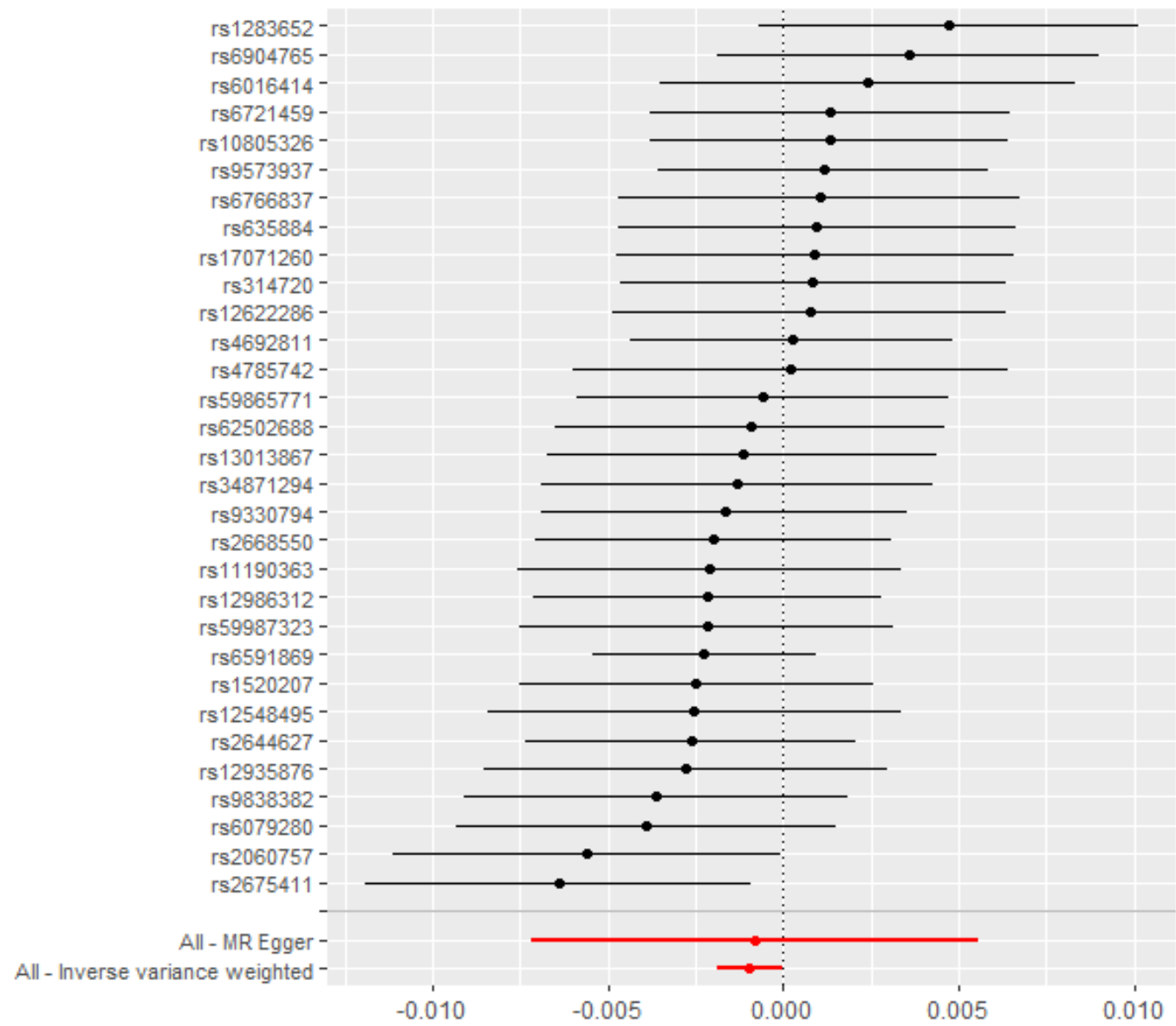
Figure 55 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Peptostreptococcaceae id.2042) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016946' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

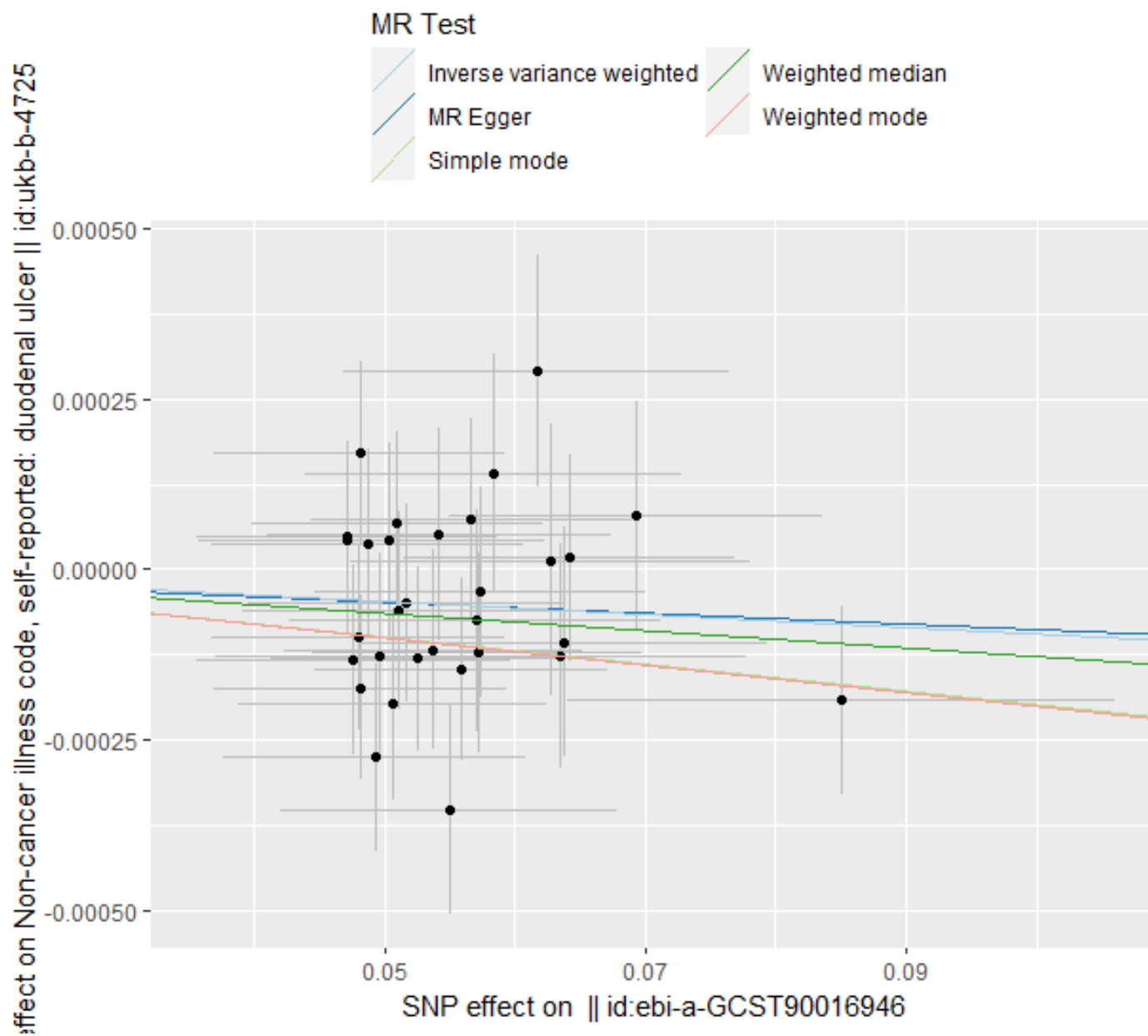
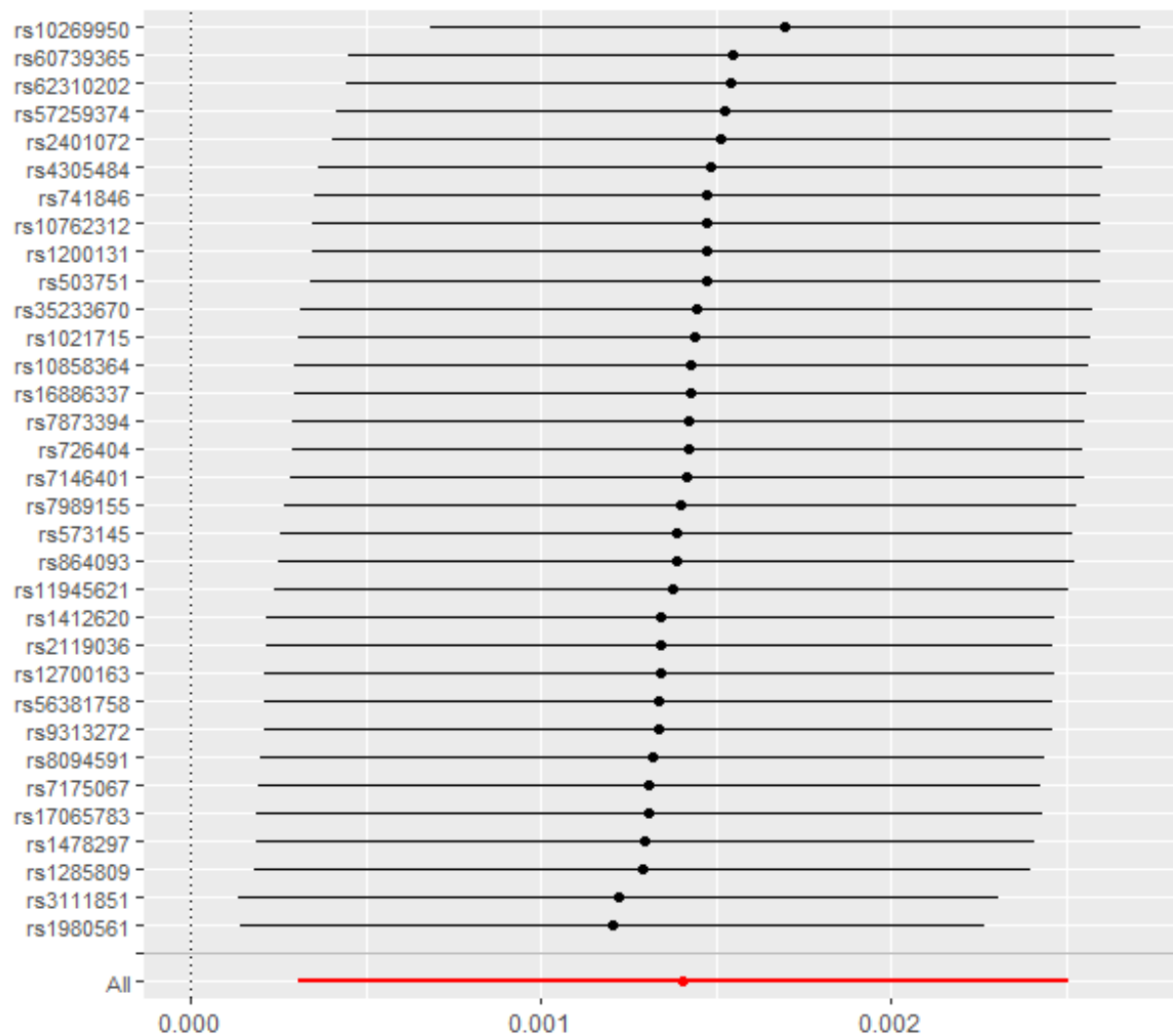


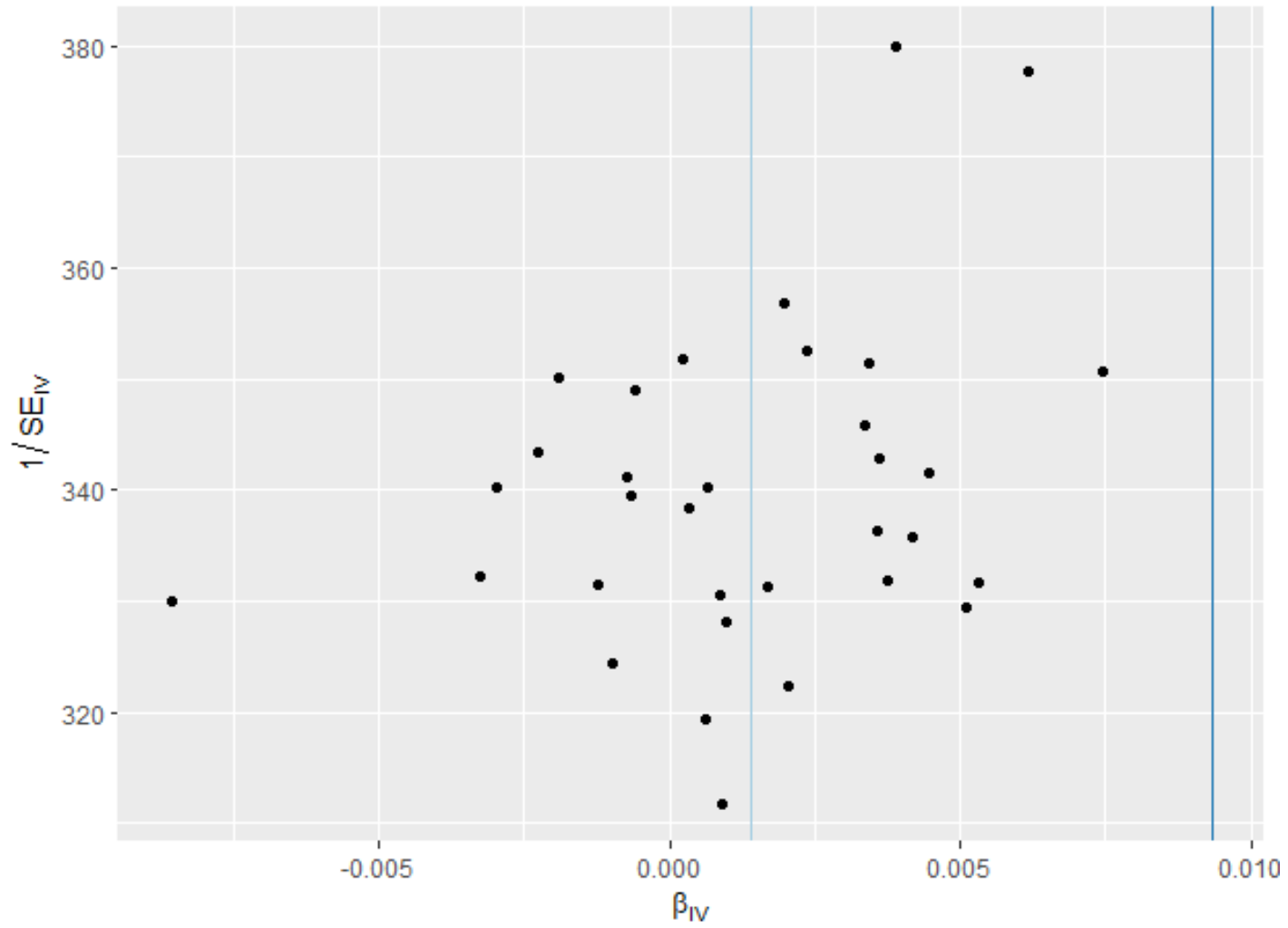
Figure 56 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Porphyromonadaceae id.943) on duodenal ulcer

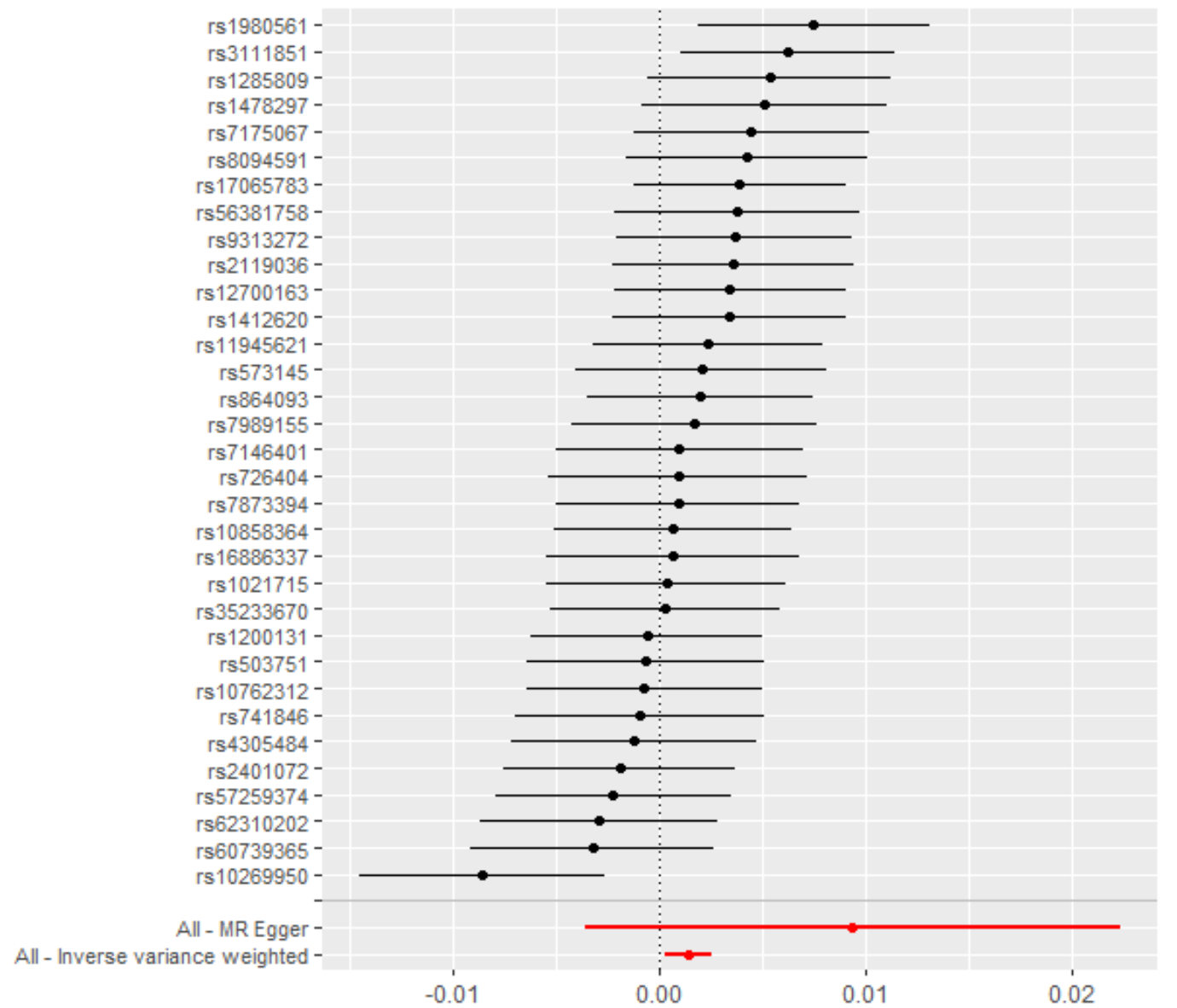


MR leave-one-out sensitivity analysis for
' || id:ebi-a-GCST90016947' on 'Non-cancer illness code, self-reported: duodenal ulcer || id:ukb-b-4725'

MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016947' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

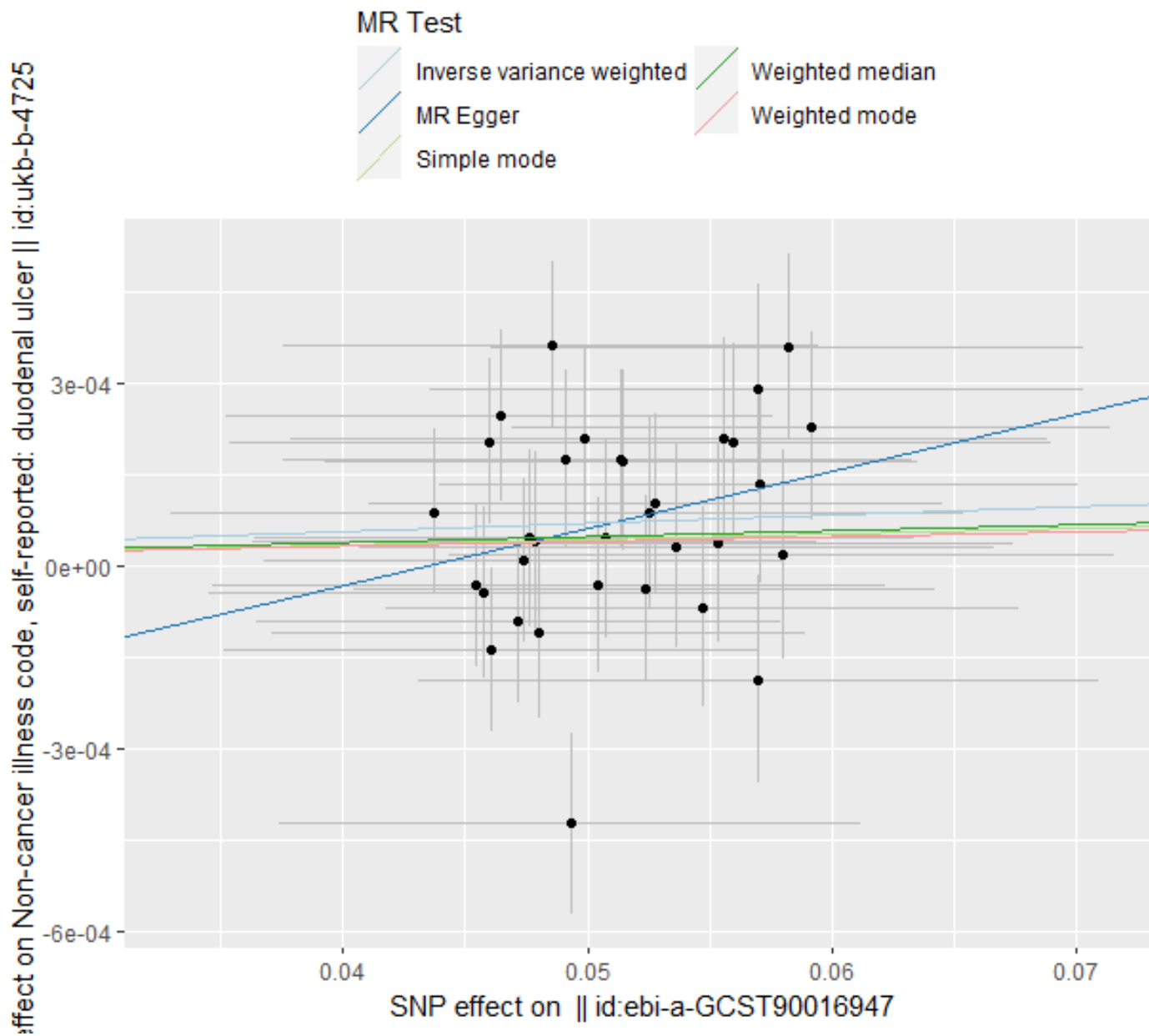
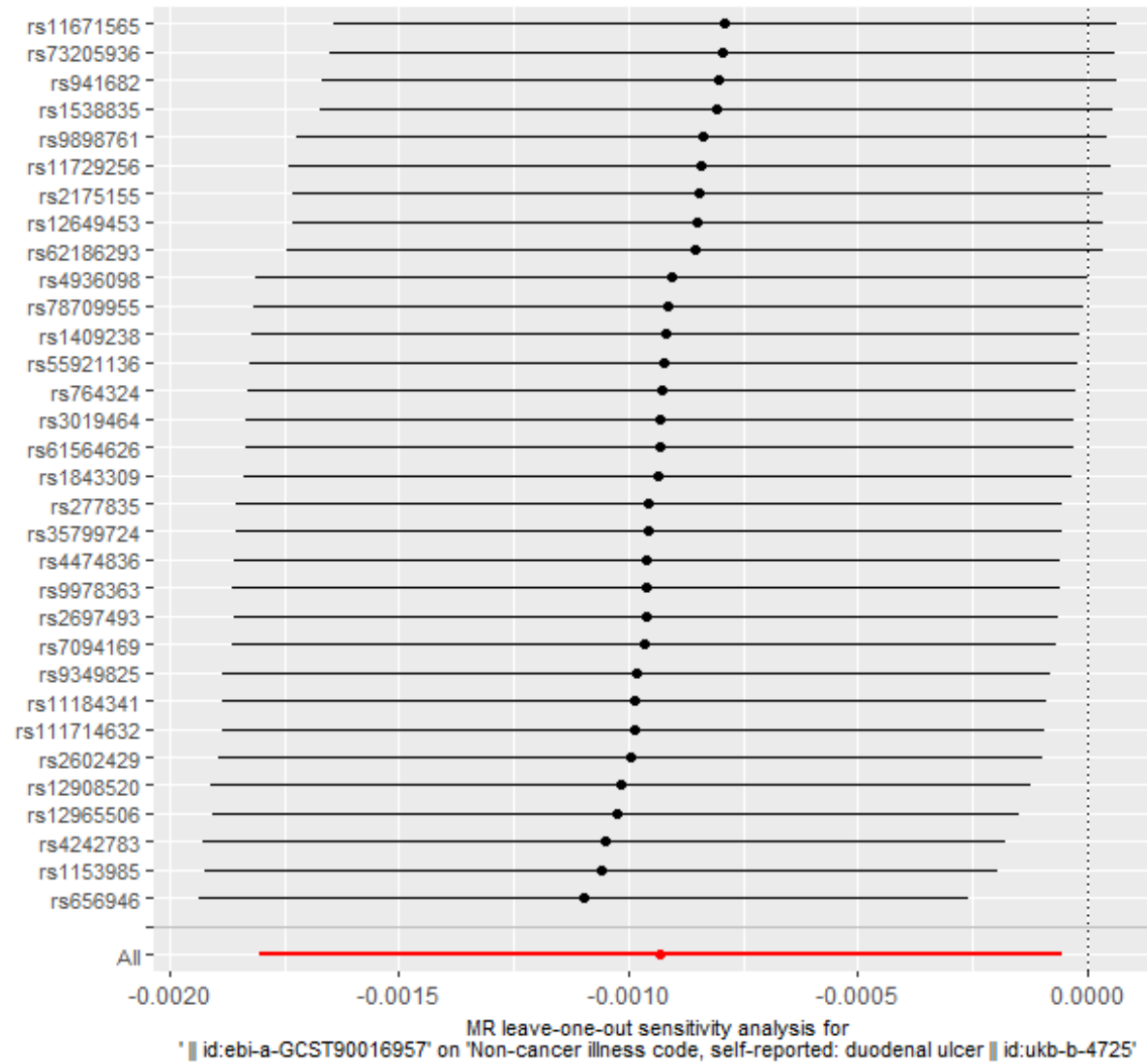
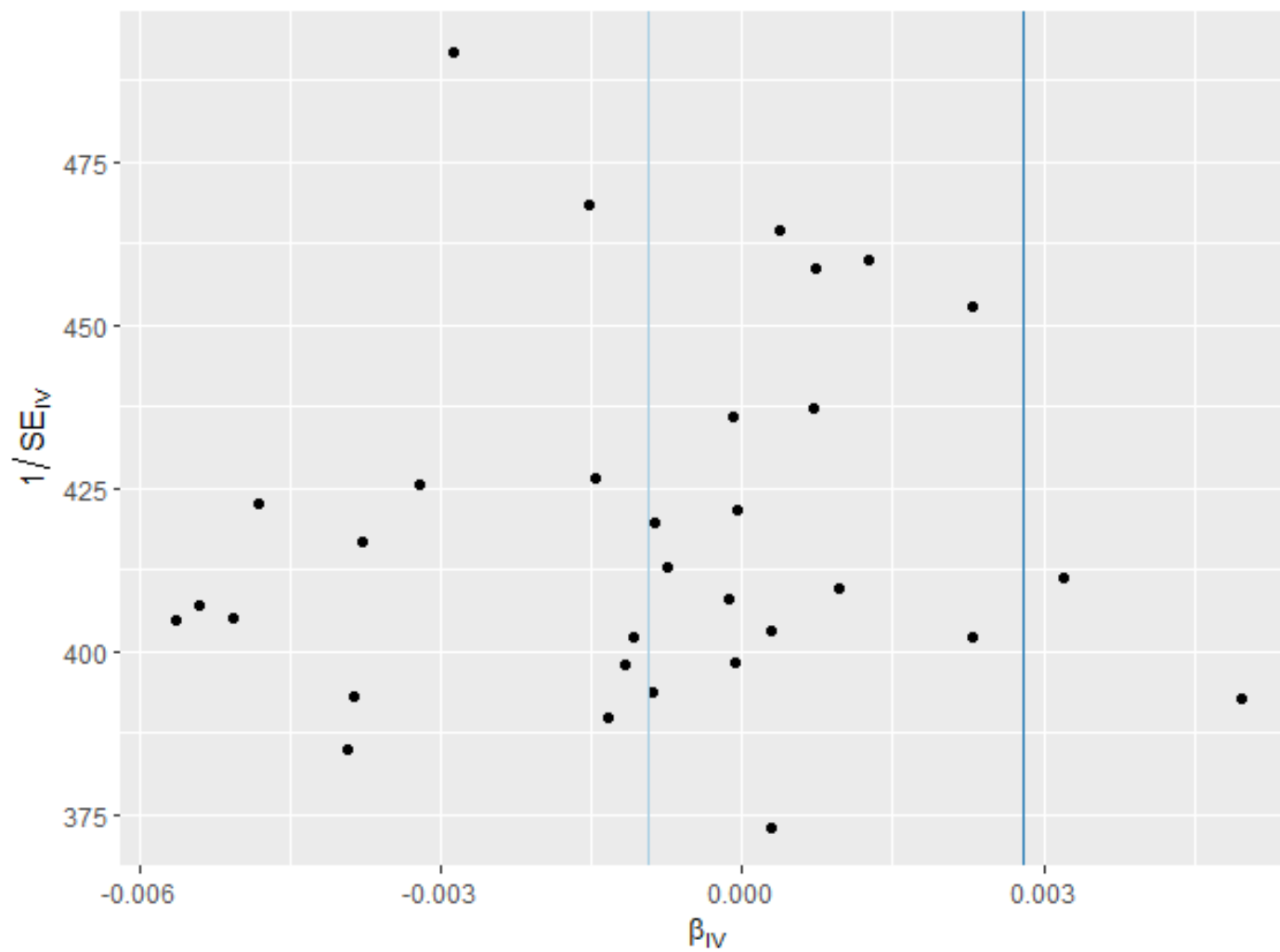


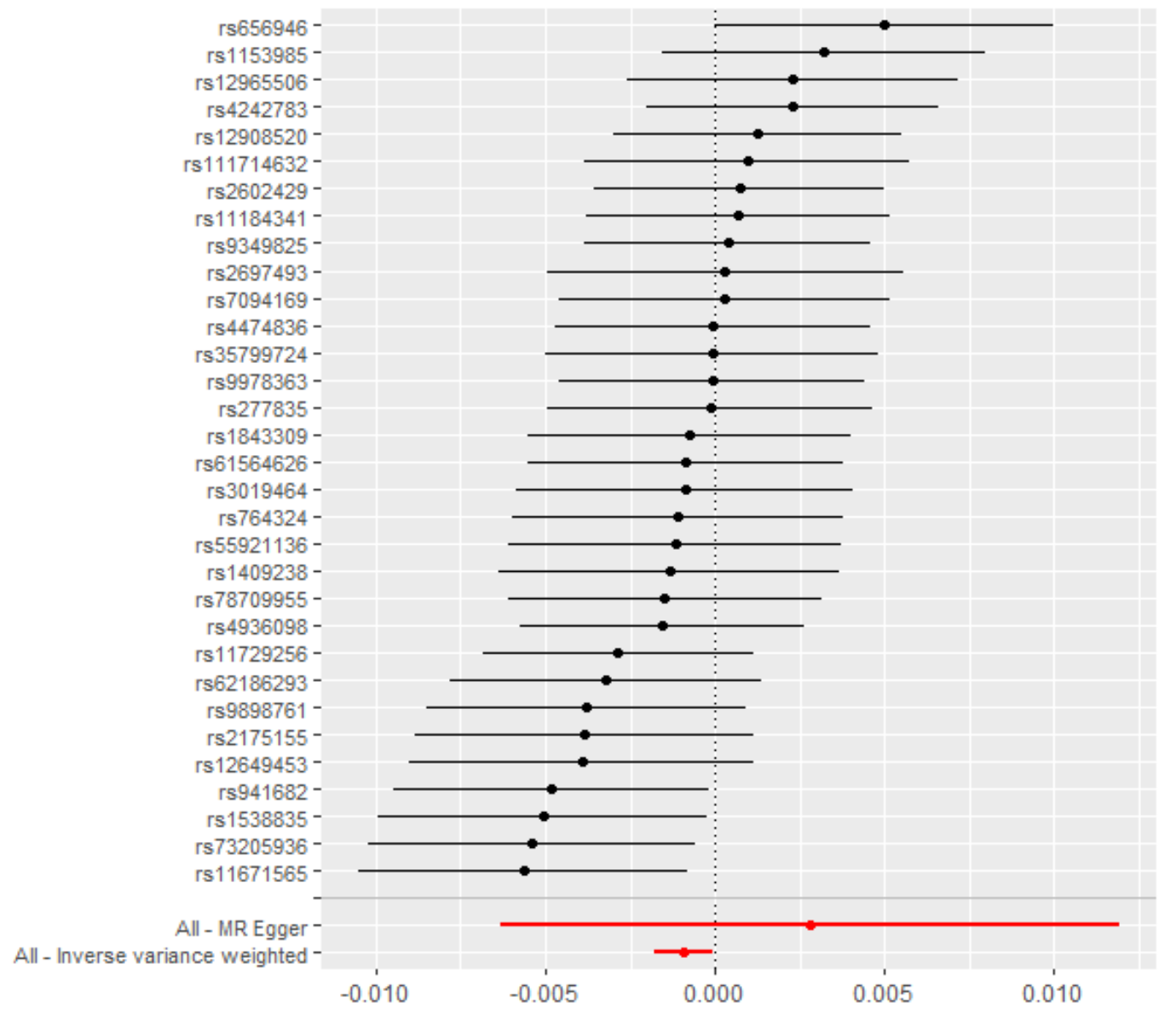
Figure 57 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Verrucomicrobiaceae id.4036) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016957' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

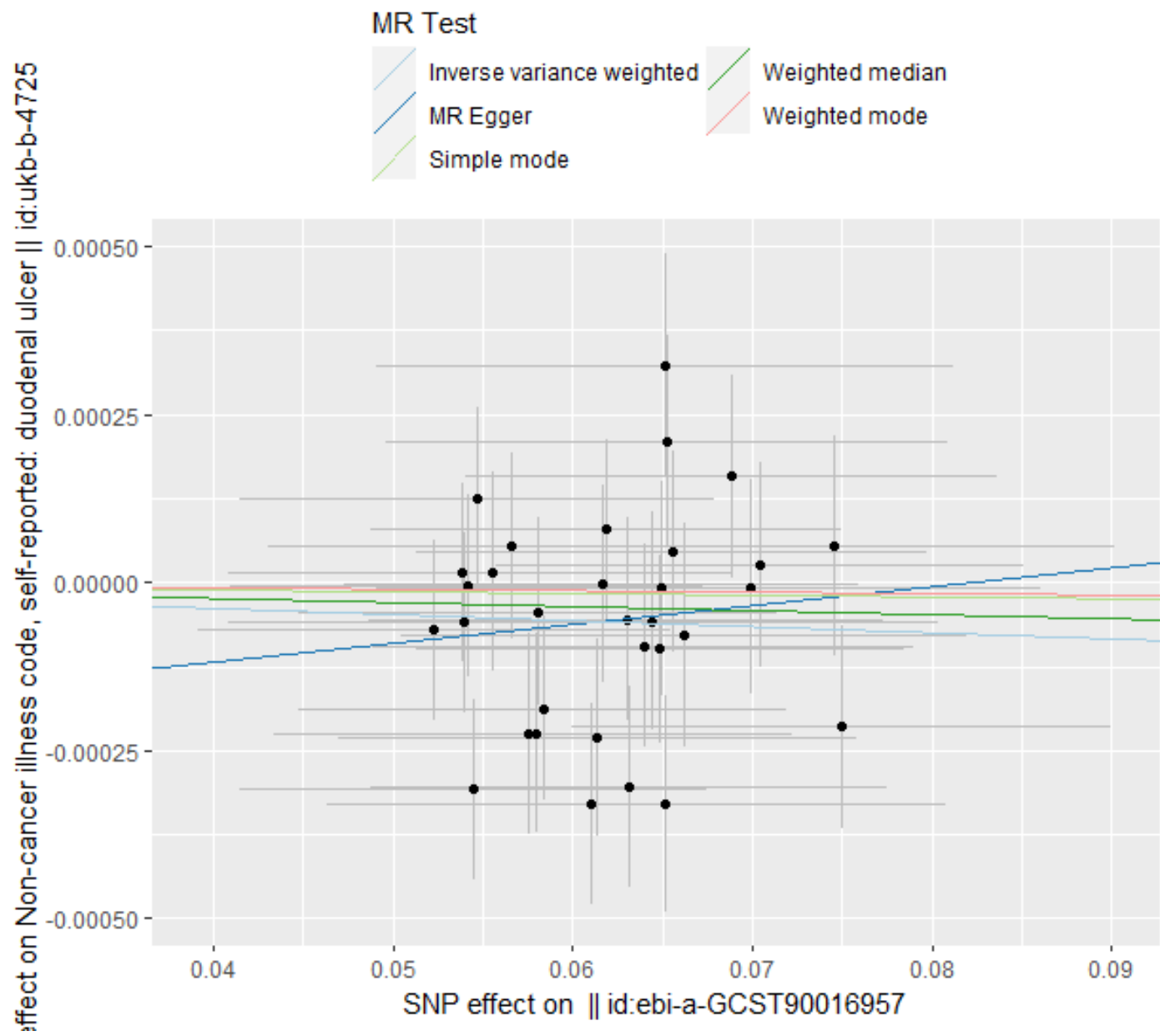
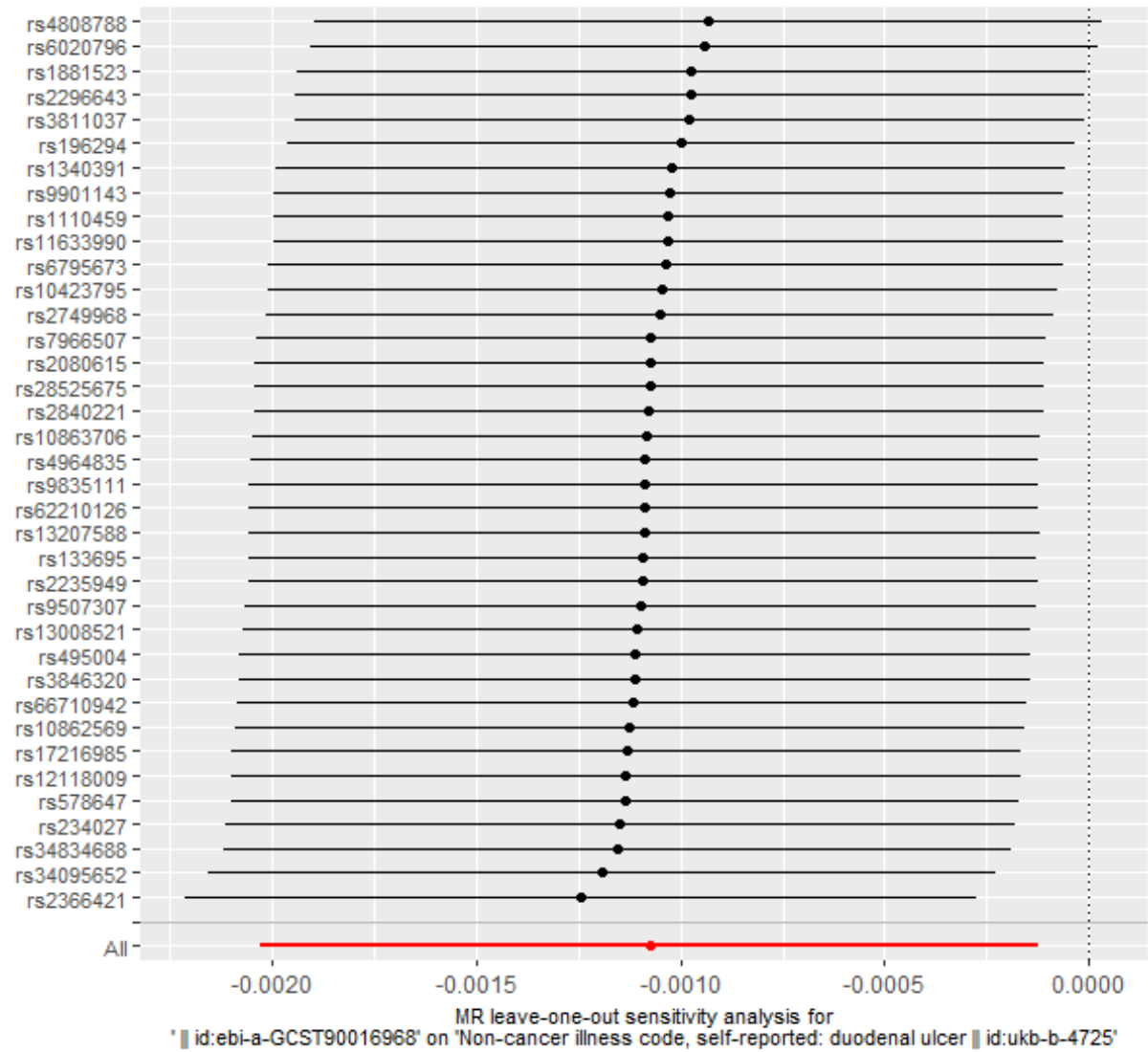
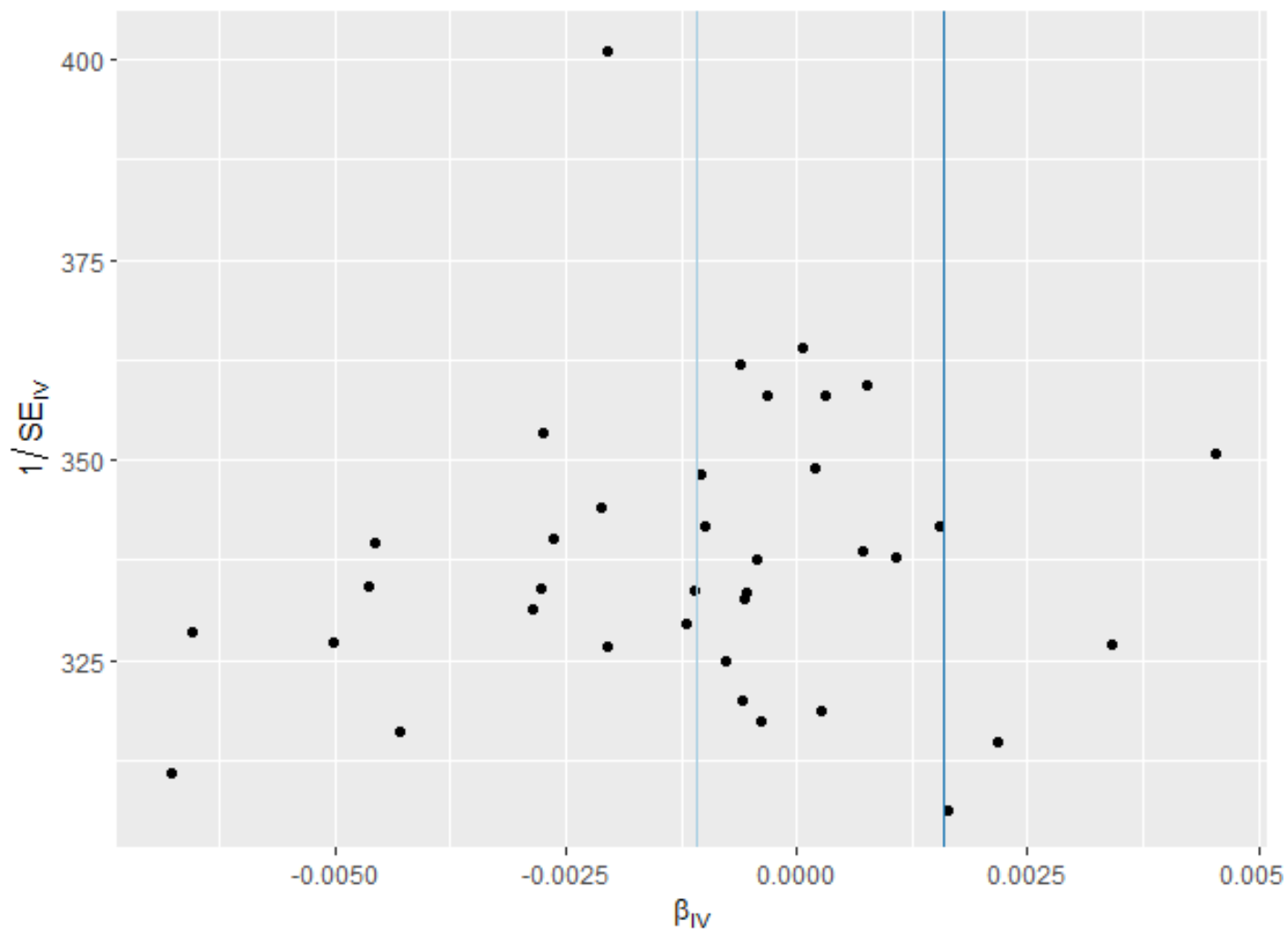


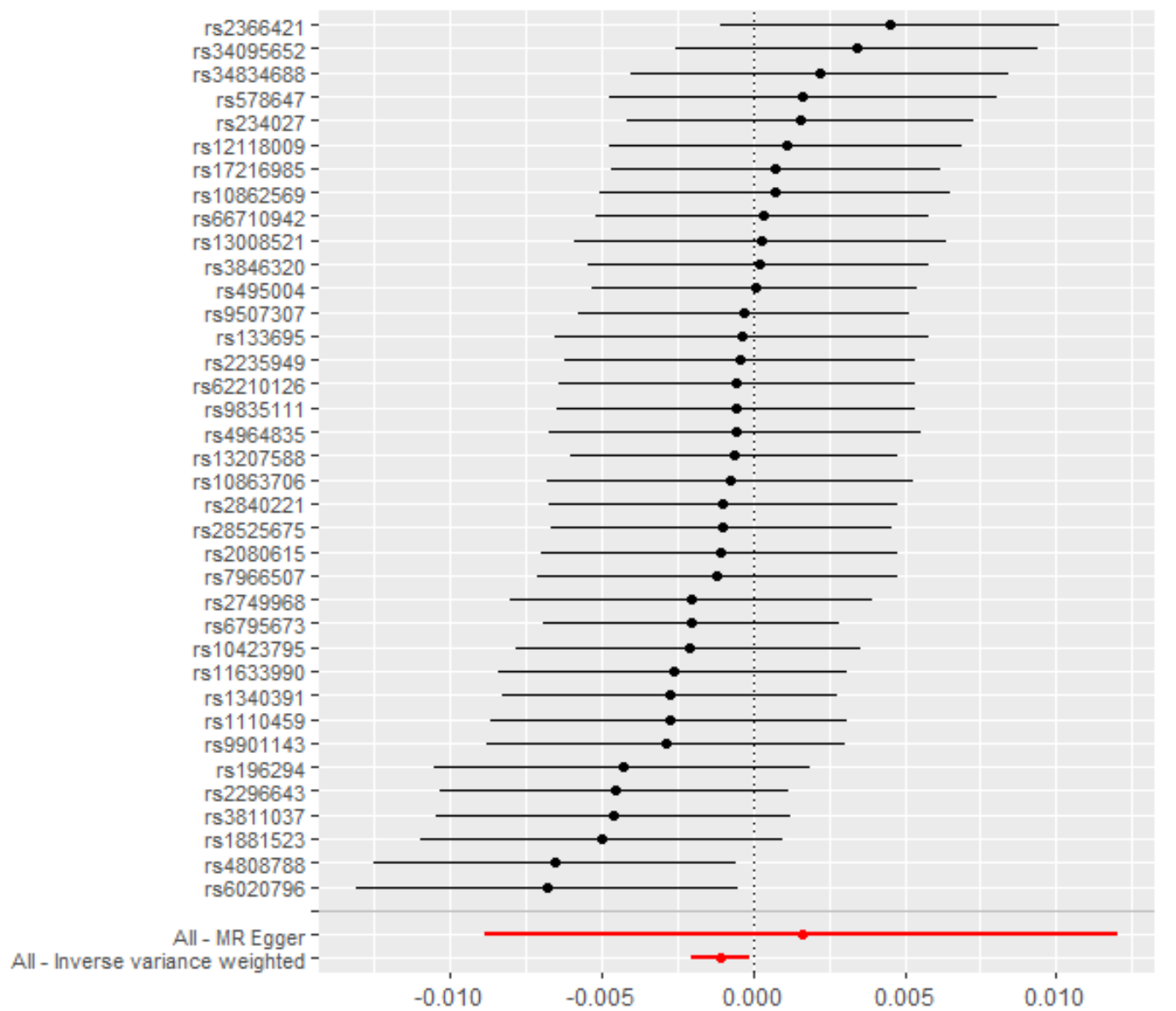
Figure 58 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Bacteroides id.918) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016968' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

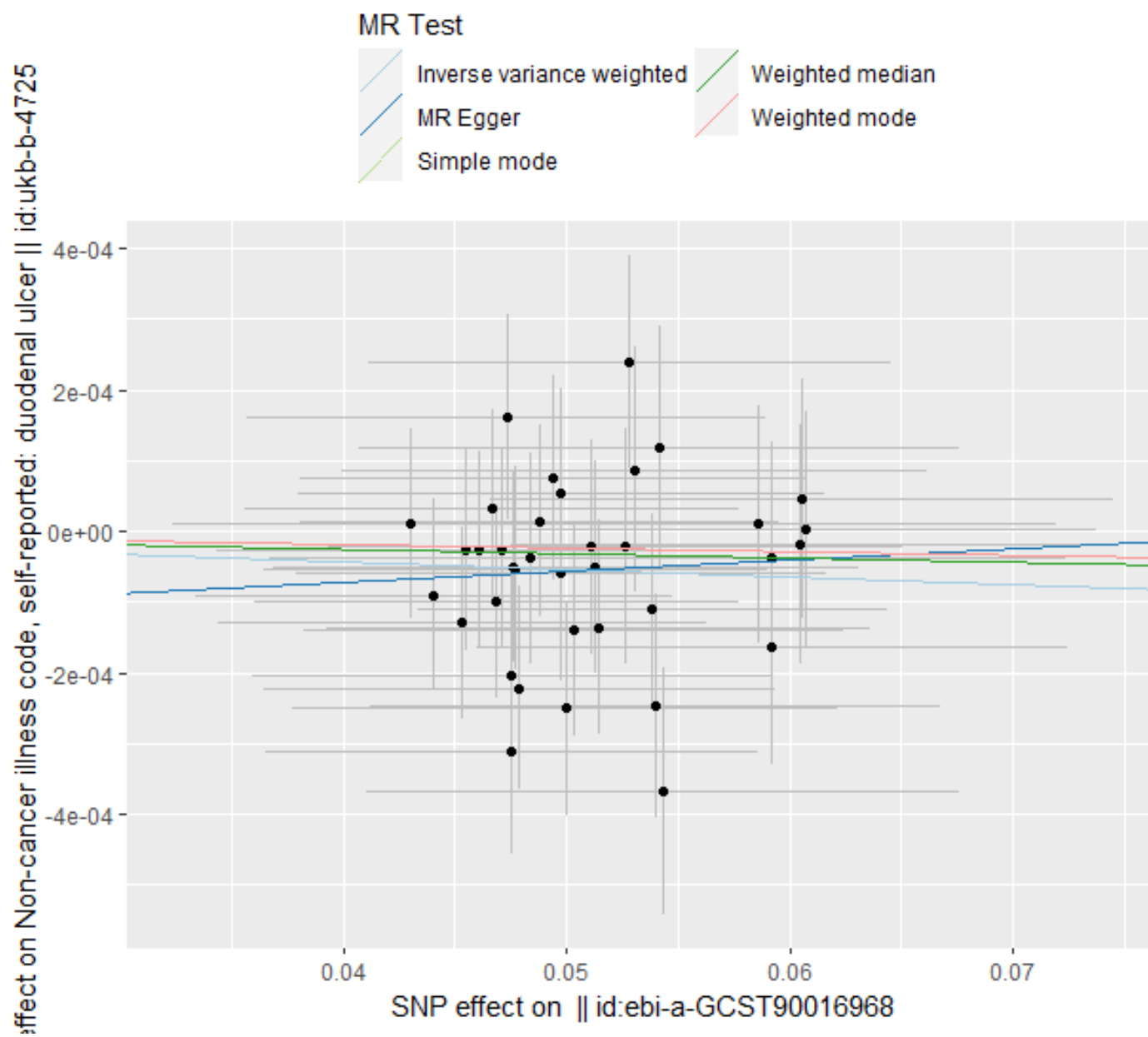
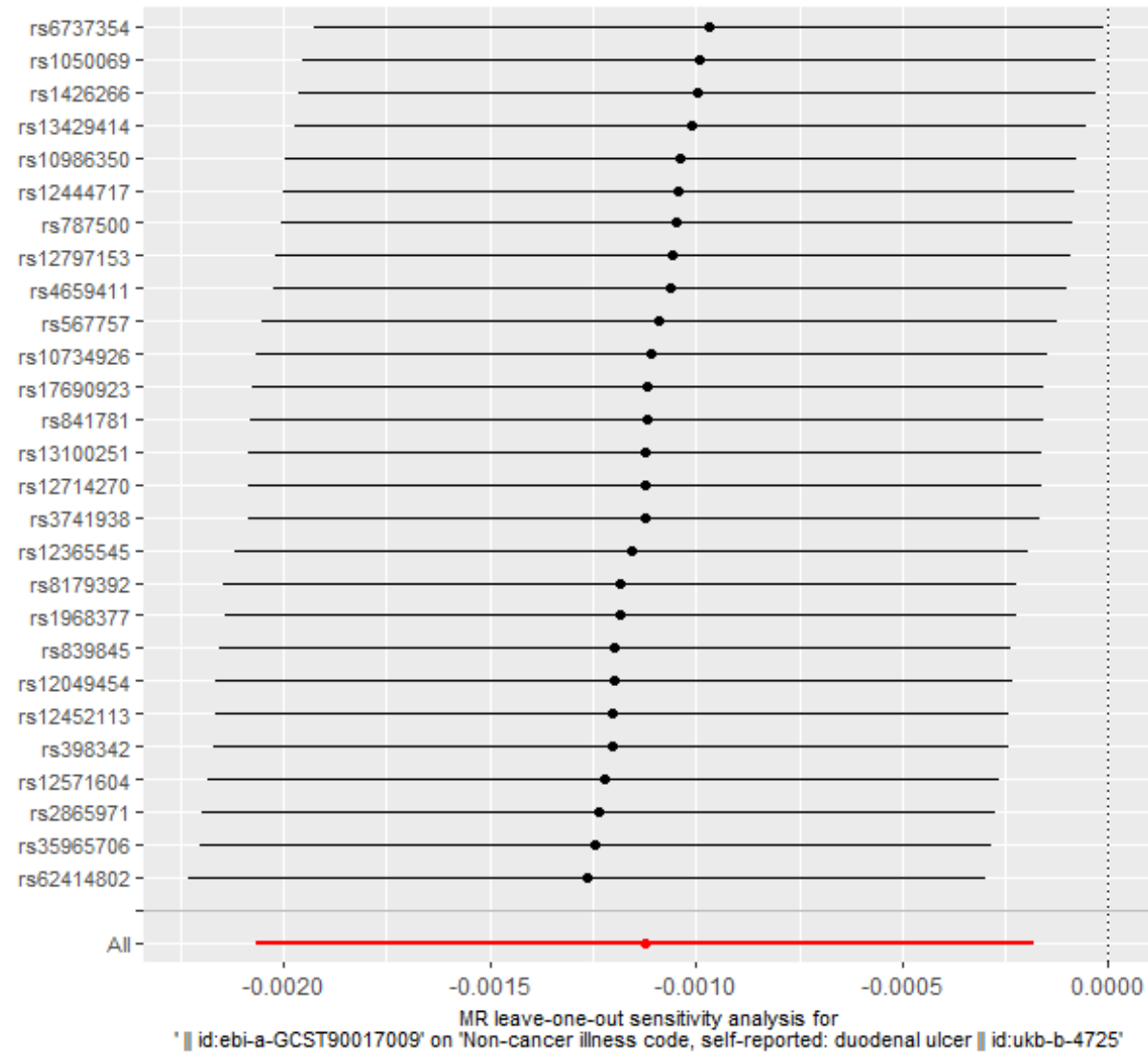
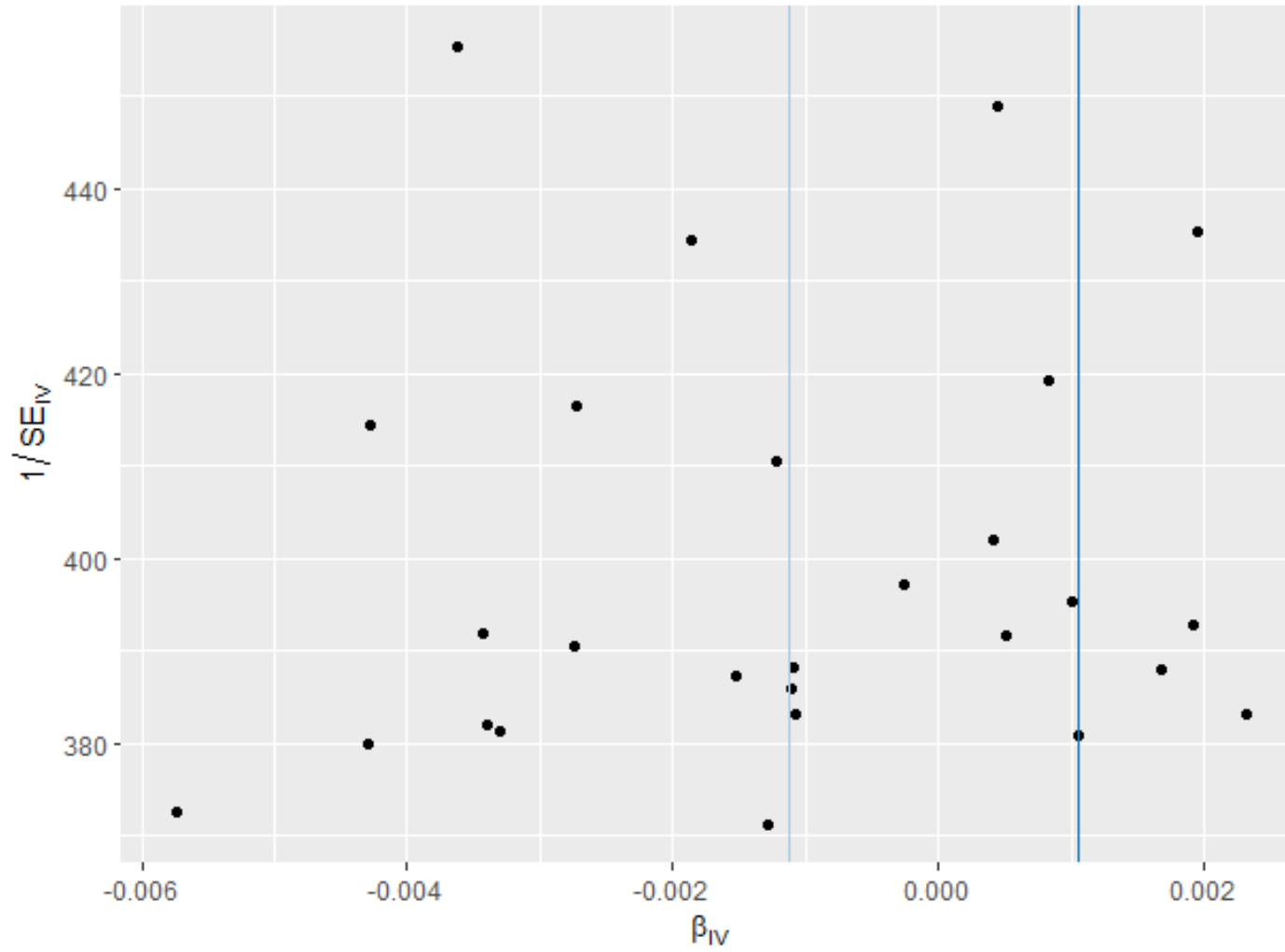


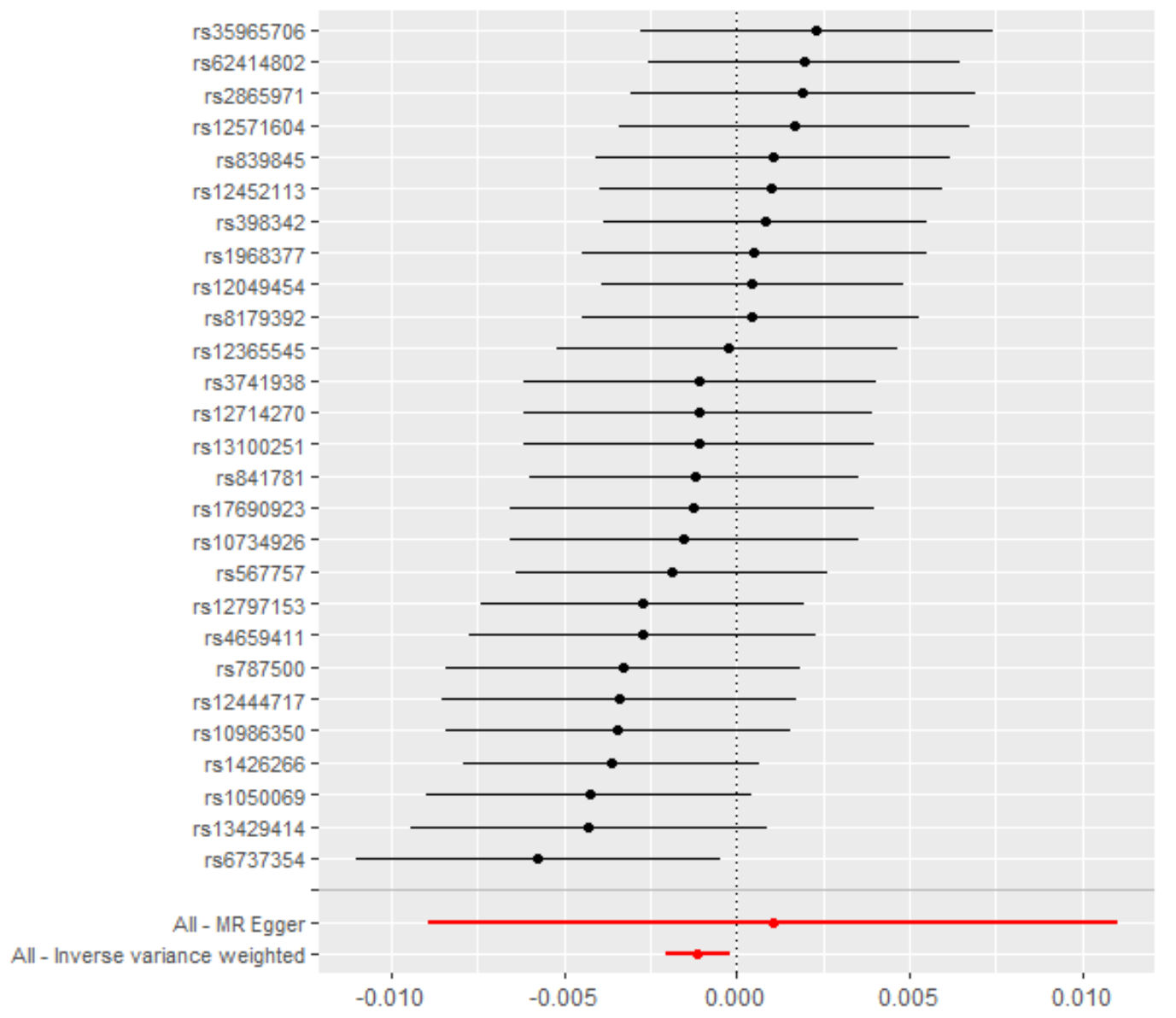
Figure 59 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Family XIII UCG001 id.11294) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017009' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

effect on Non-cancer illness code, self-reported: duodenal ulcer || id:ukb-b-4725

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

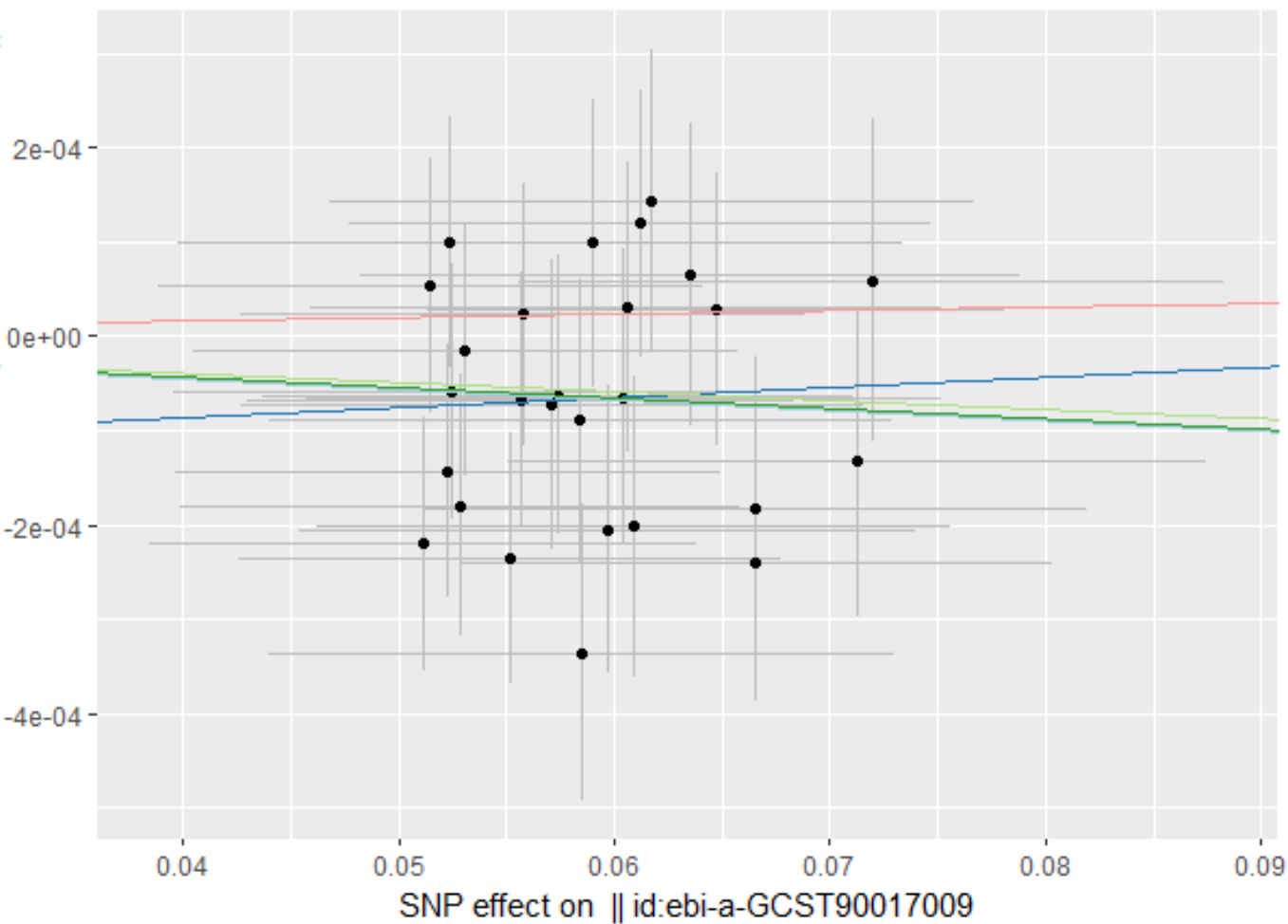
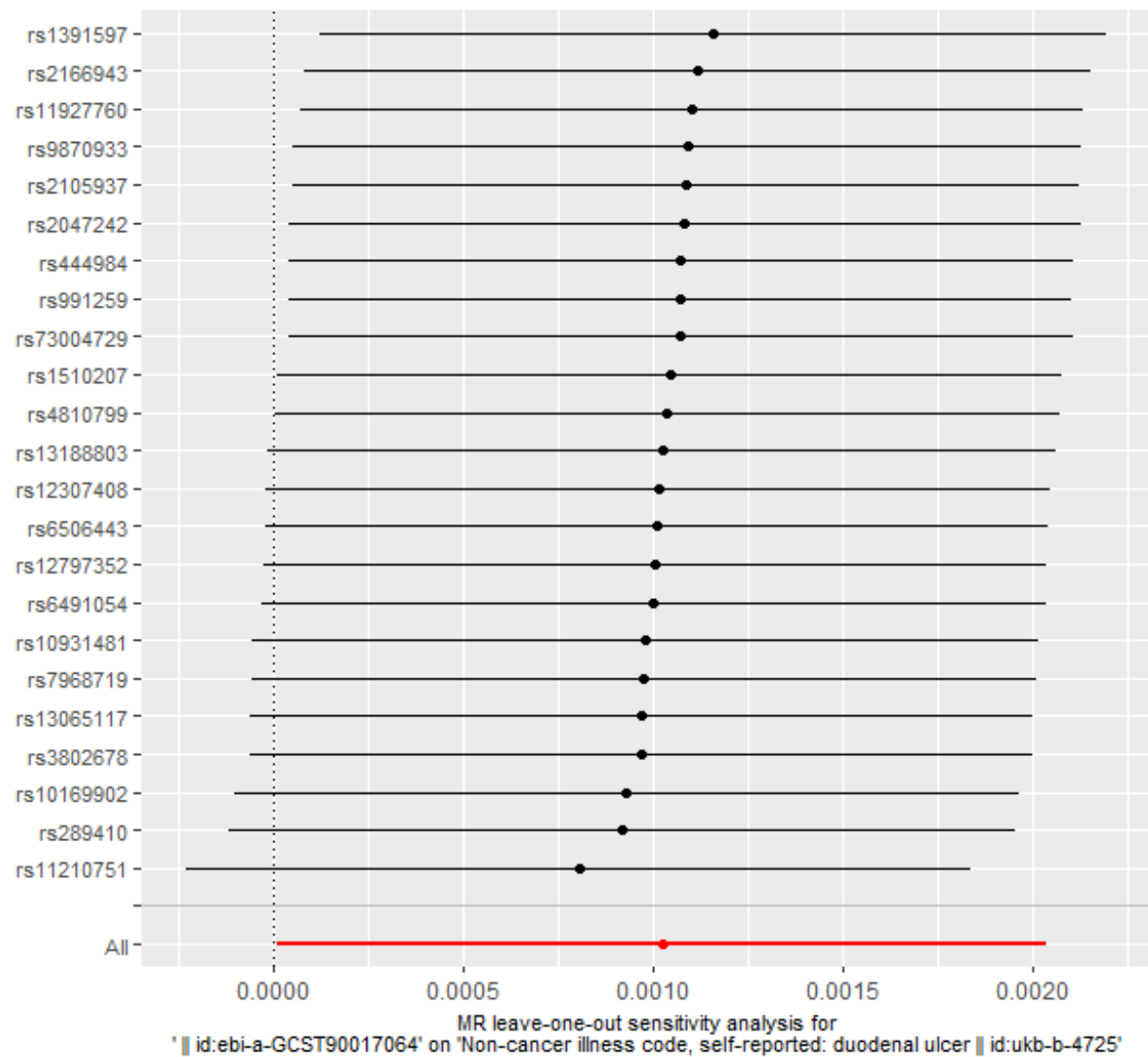
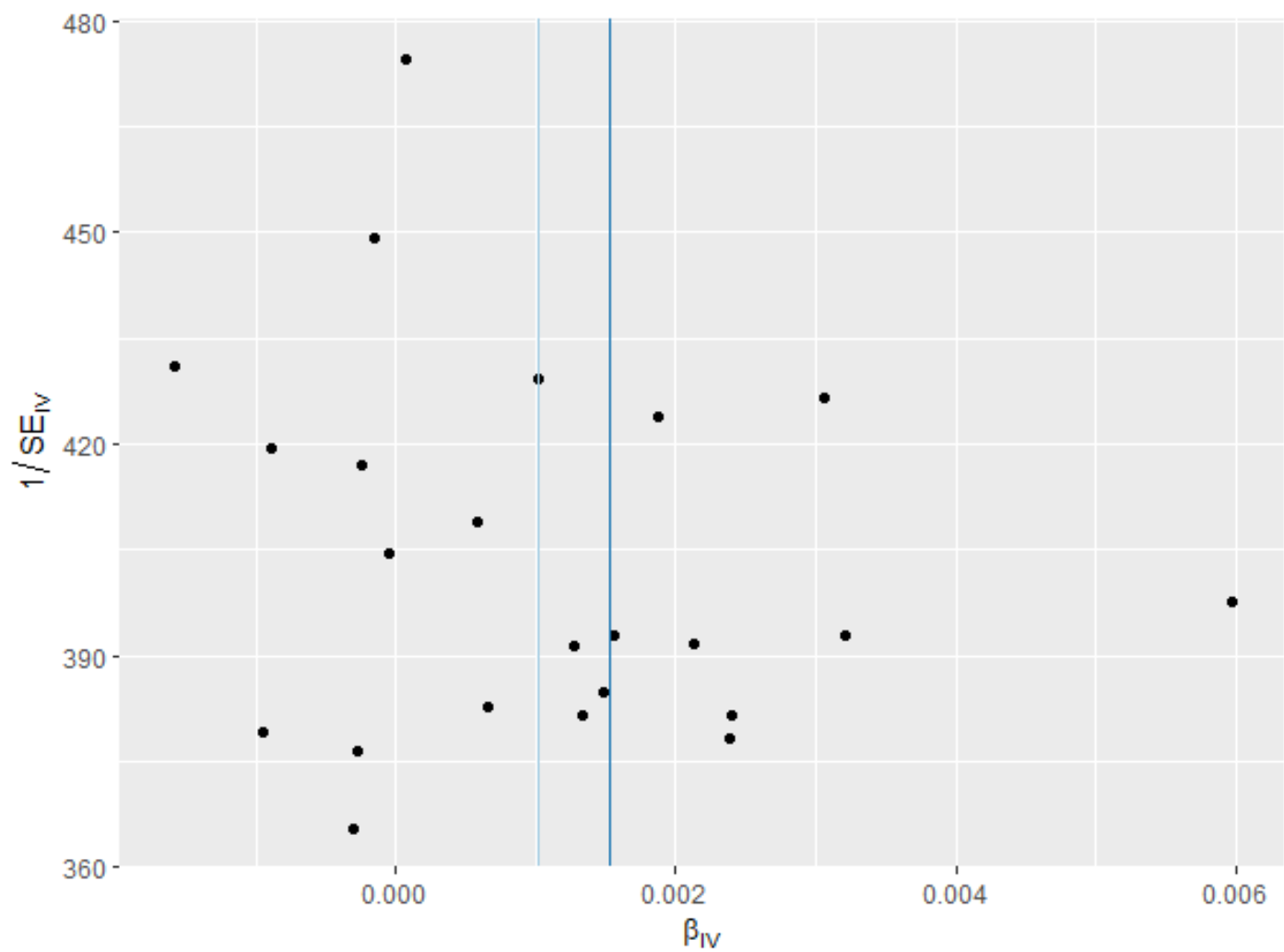


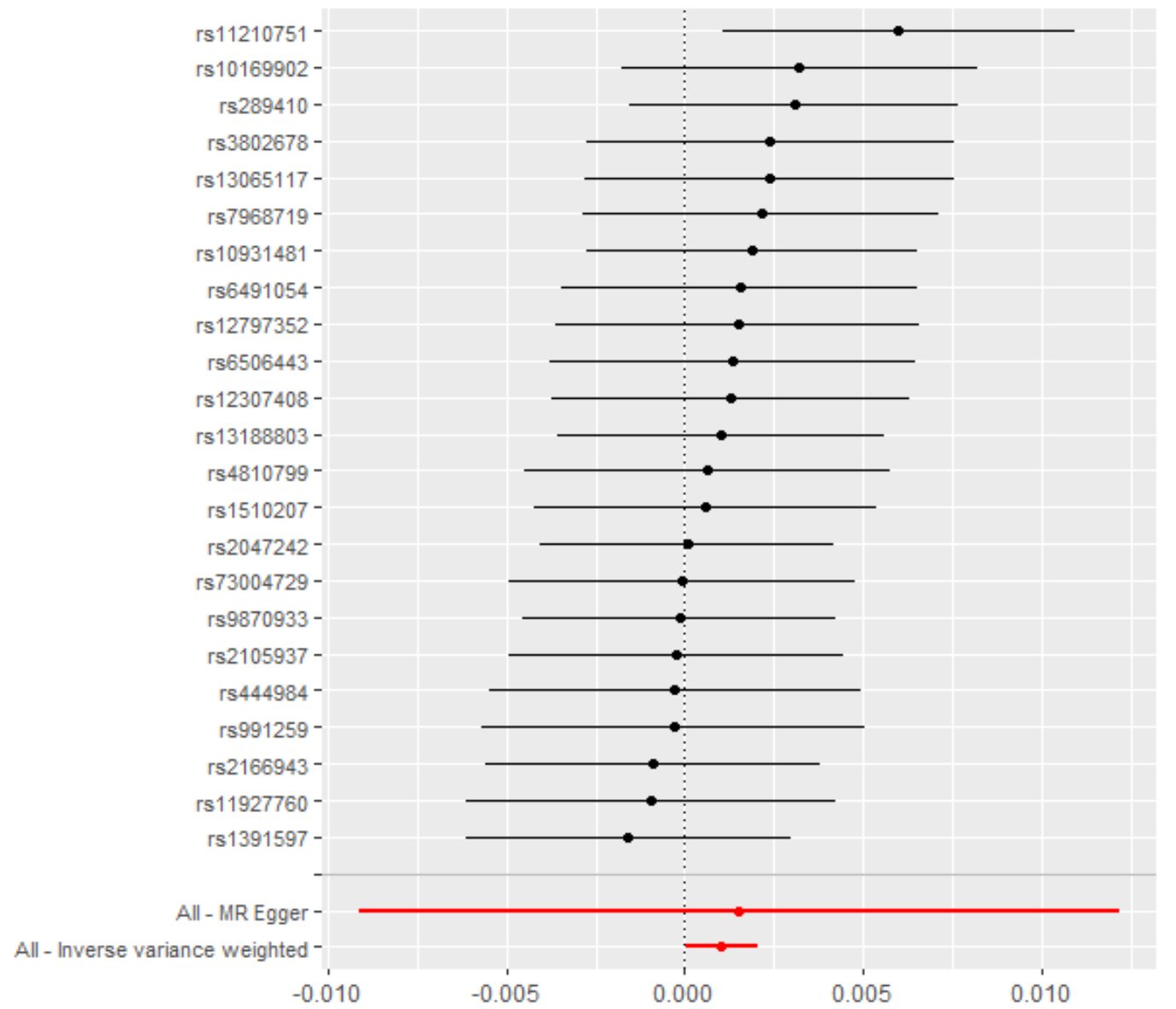
Figure 60 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Ruminococcus gauvreauii* group id.11342) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017064' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

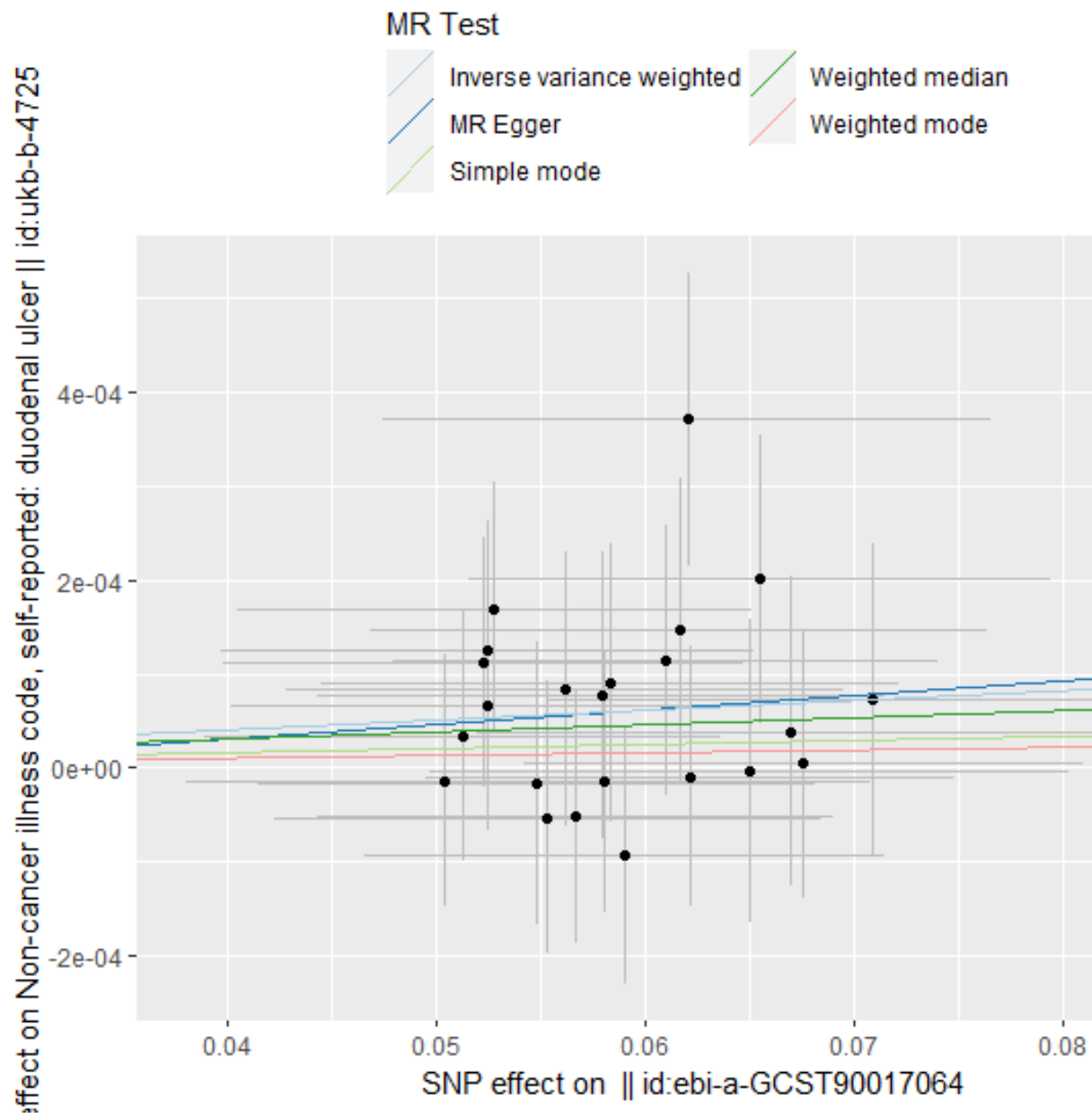
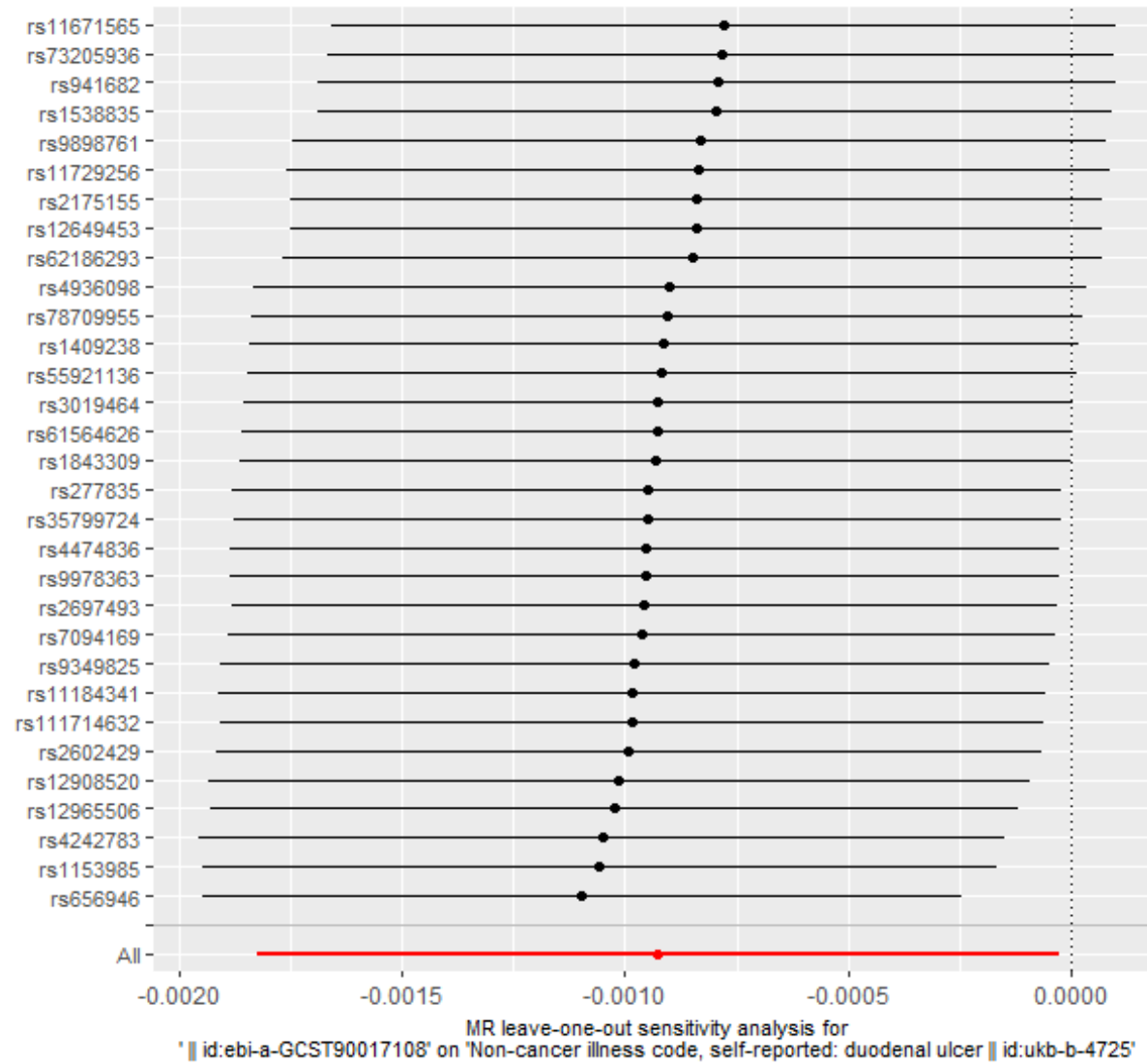
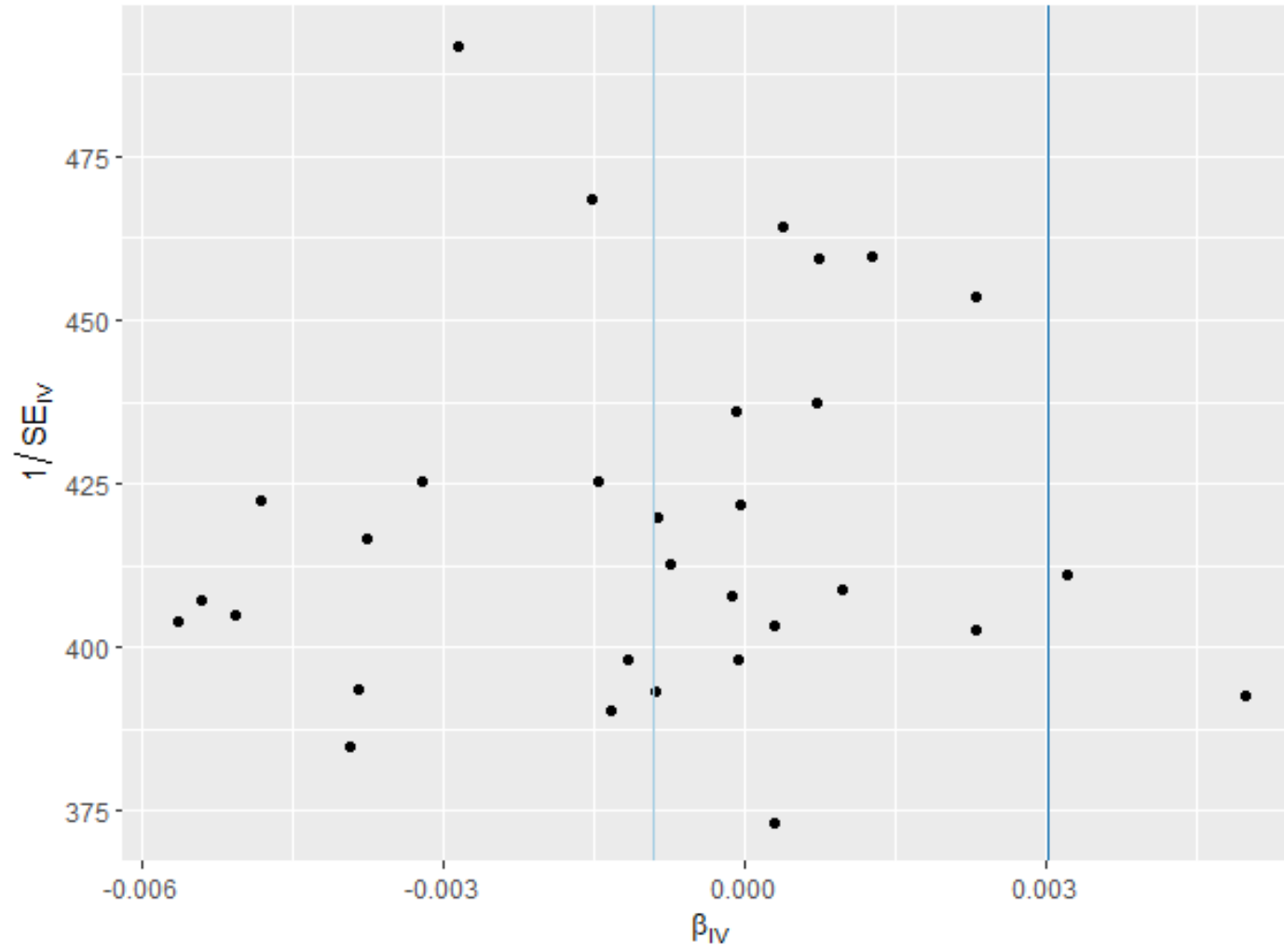


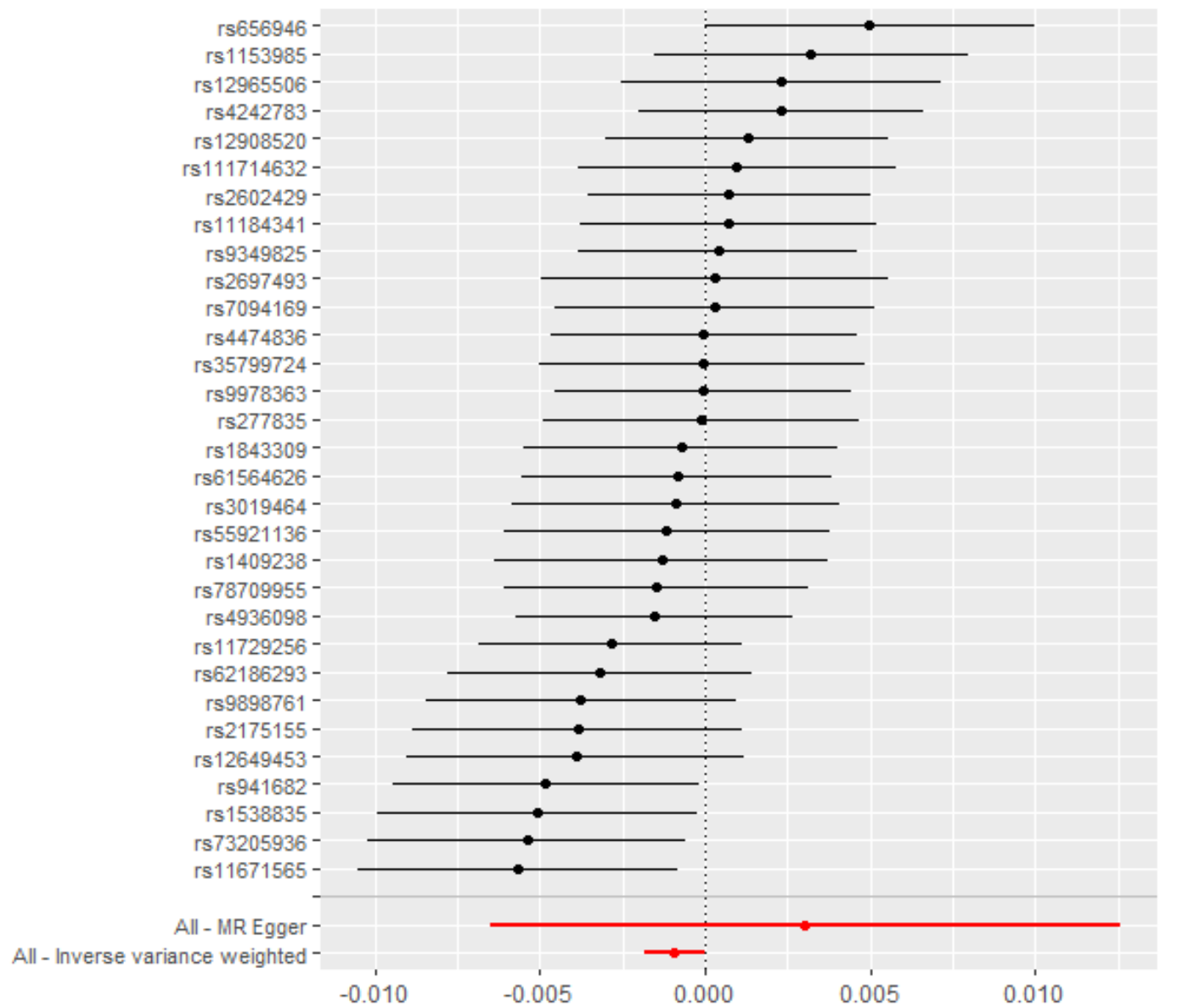
Figure 61 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Verrucomicrobiales id.4030) on duodenal ulcer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90017108' on 'Non-cancer illness code, self-reported: duodenal ulcer' || id:ukb-b-4

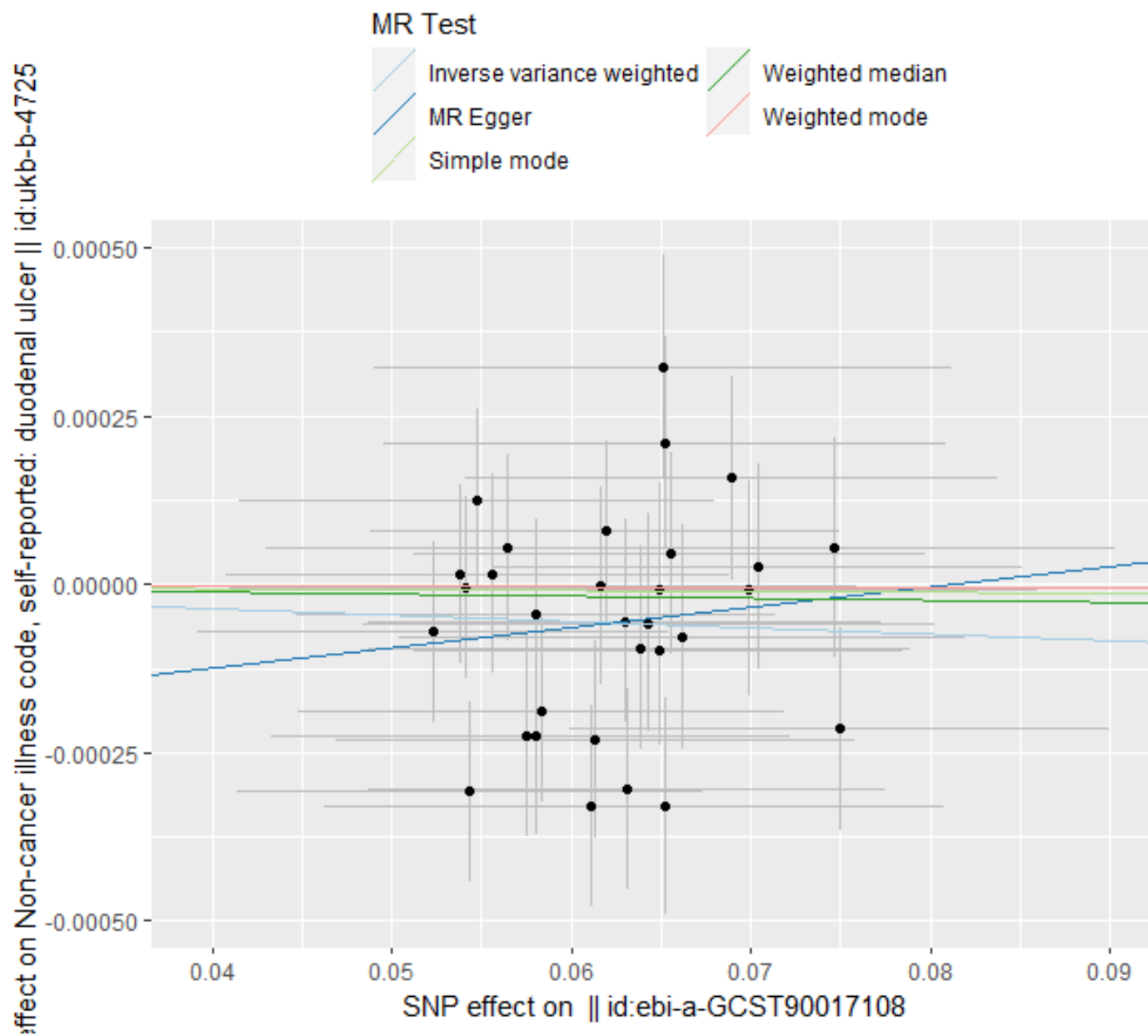
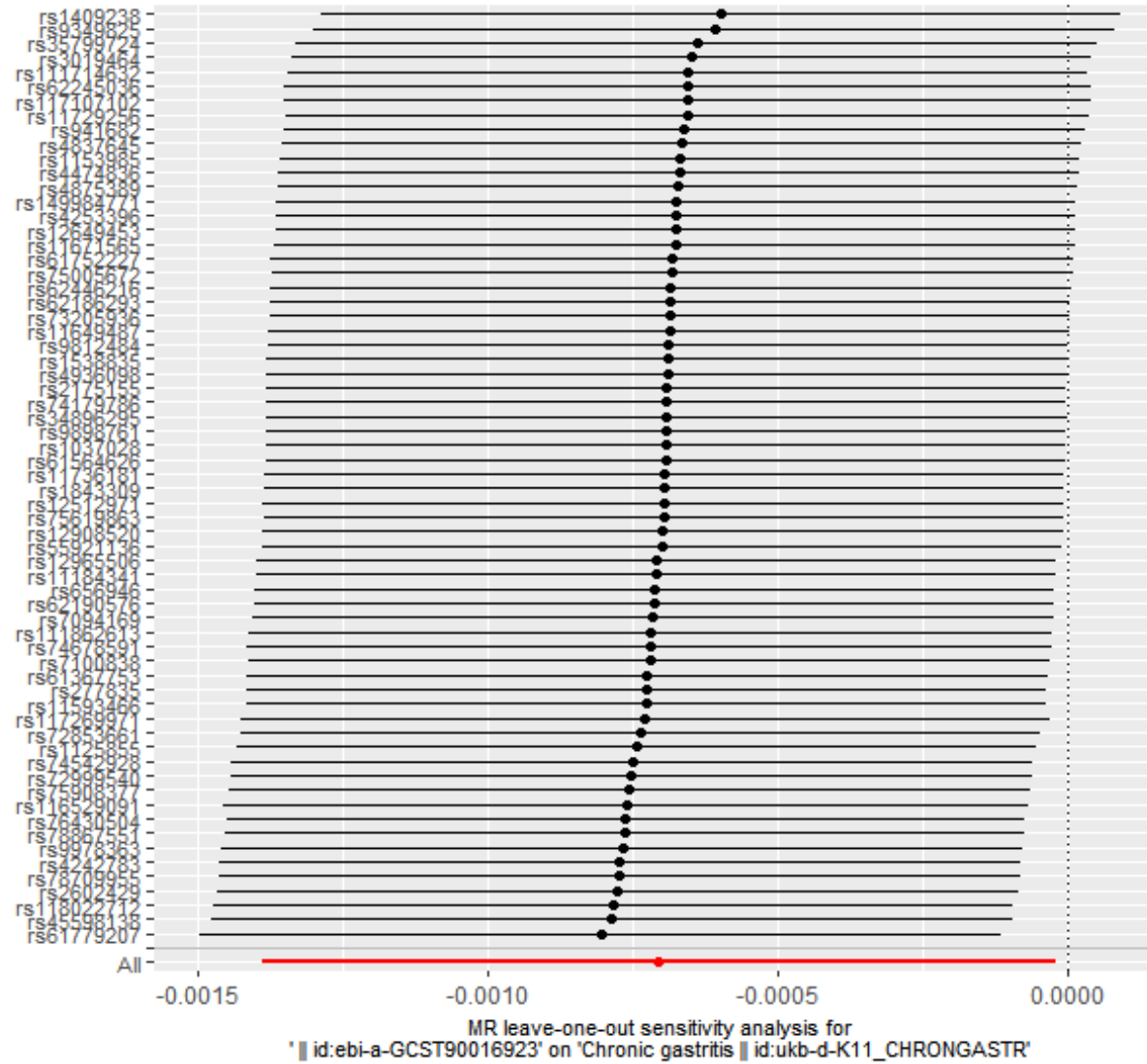
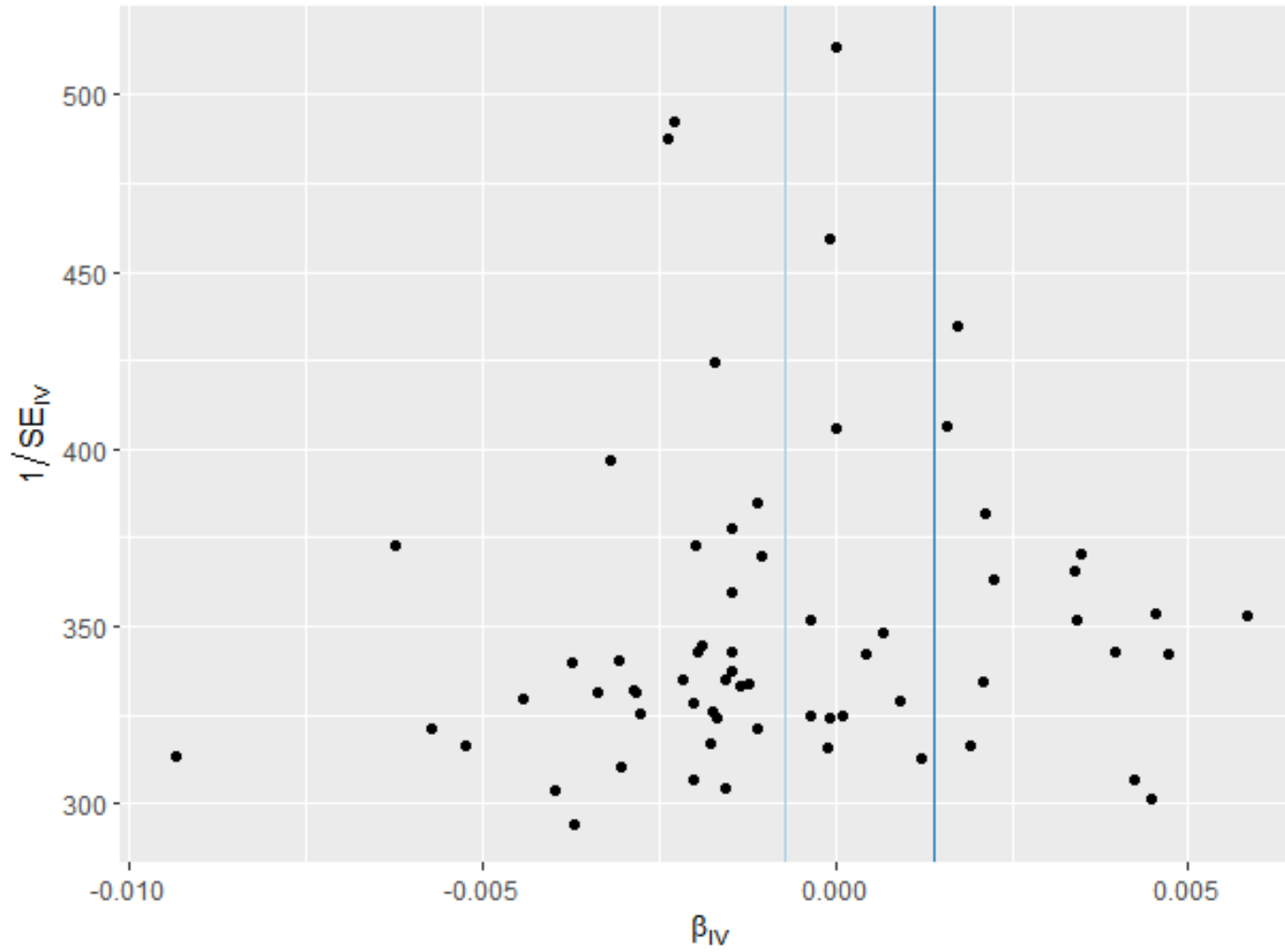


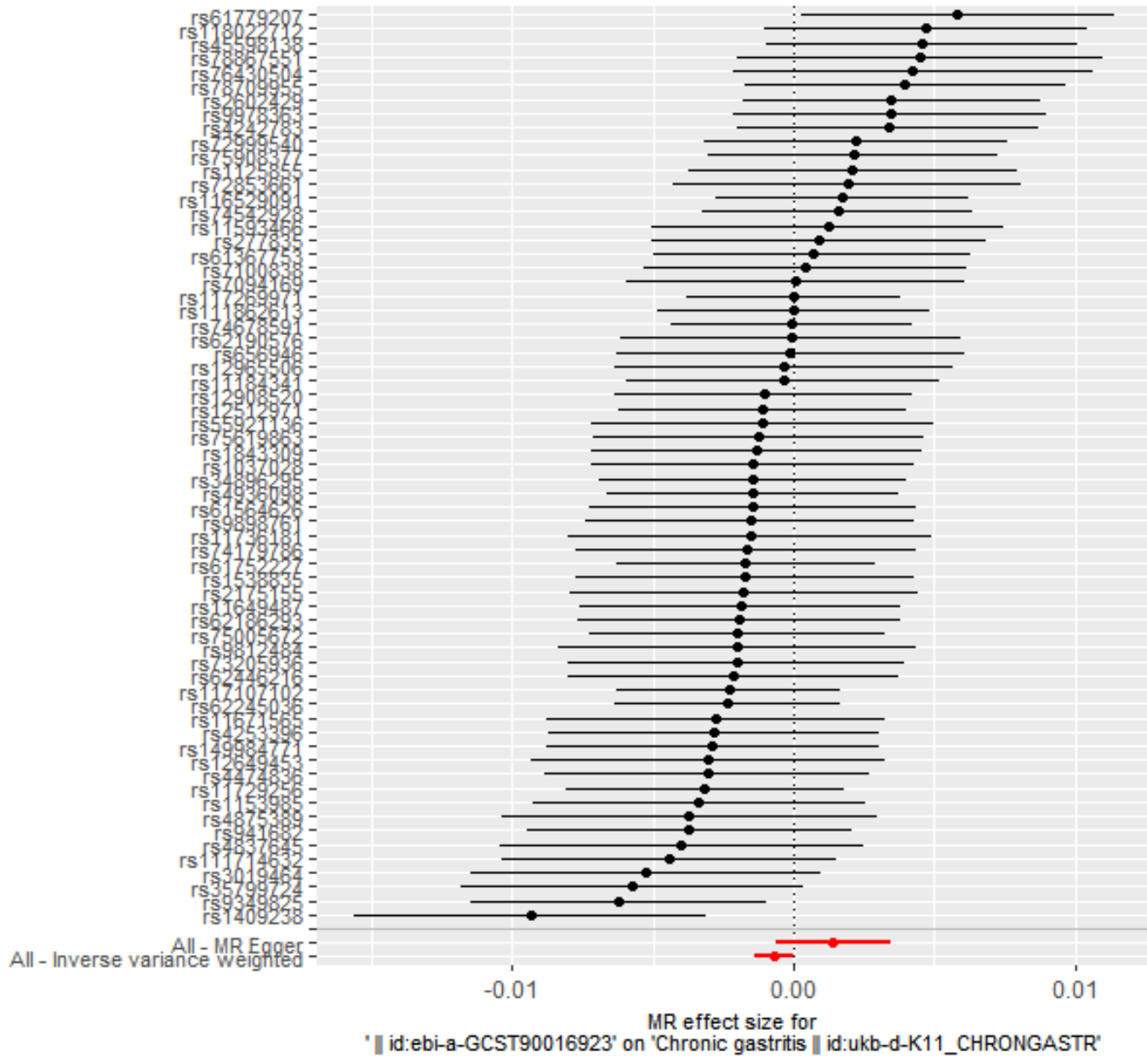
Figure 62 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Verrucomicrobiae id.4029) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





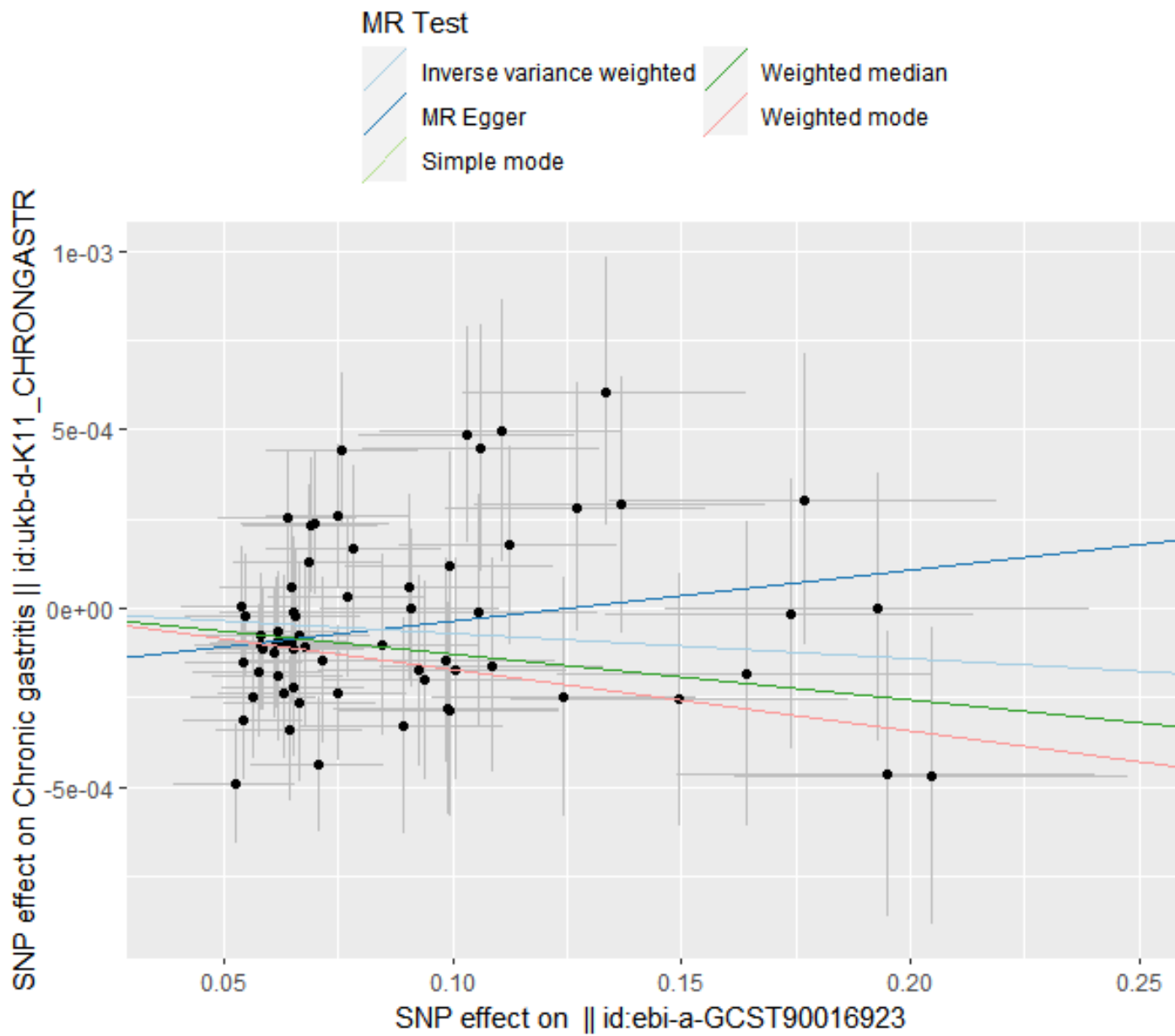
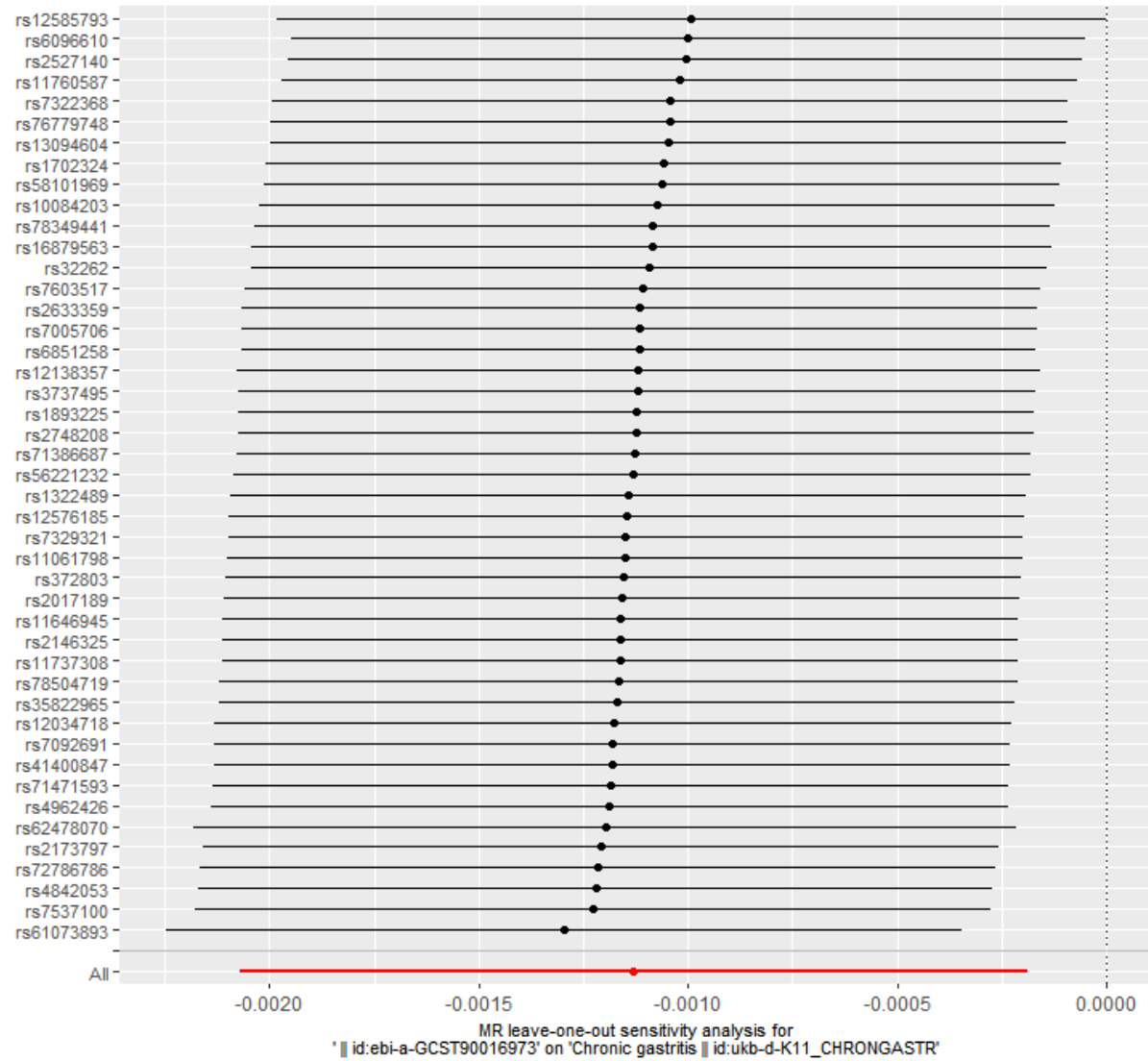
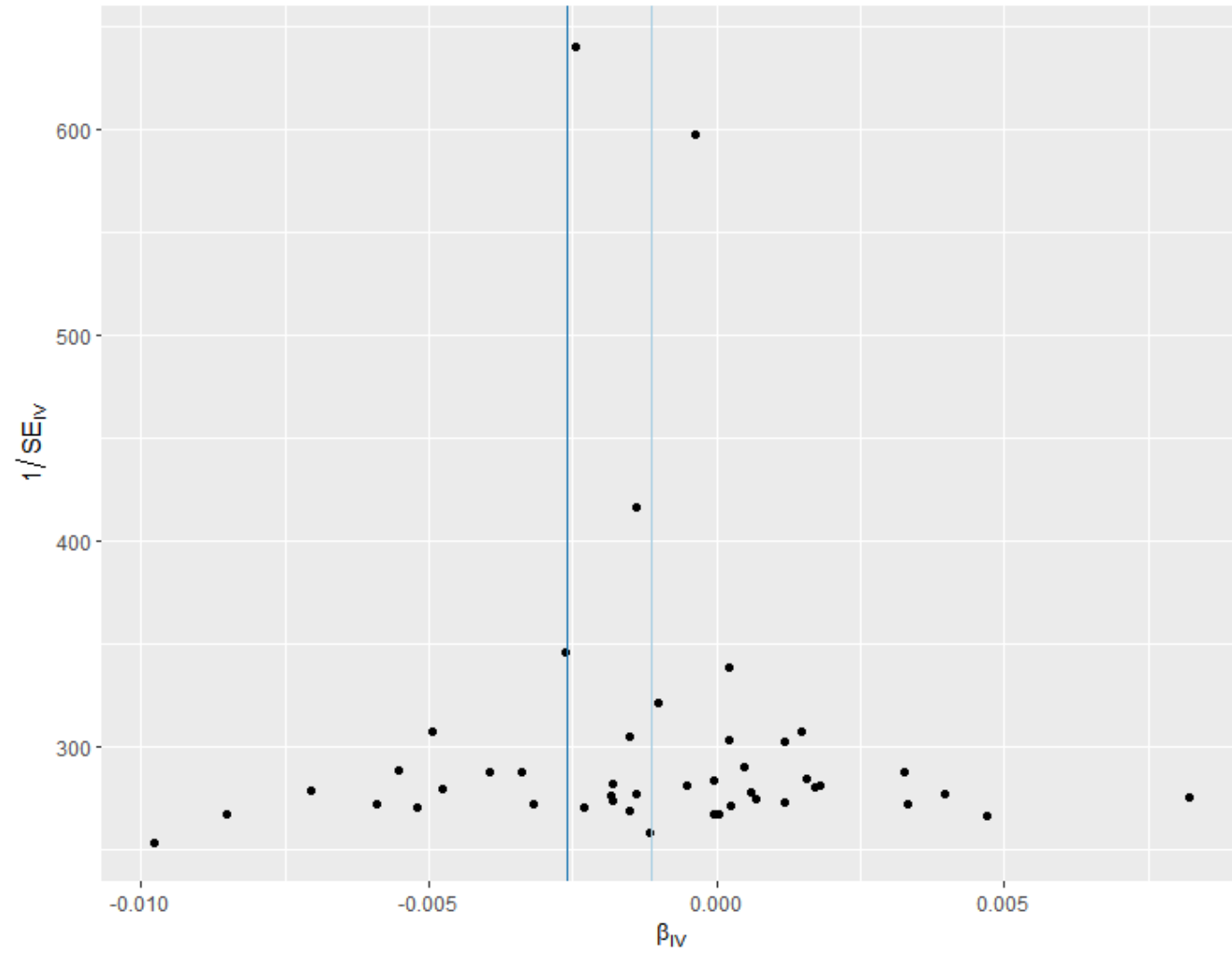


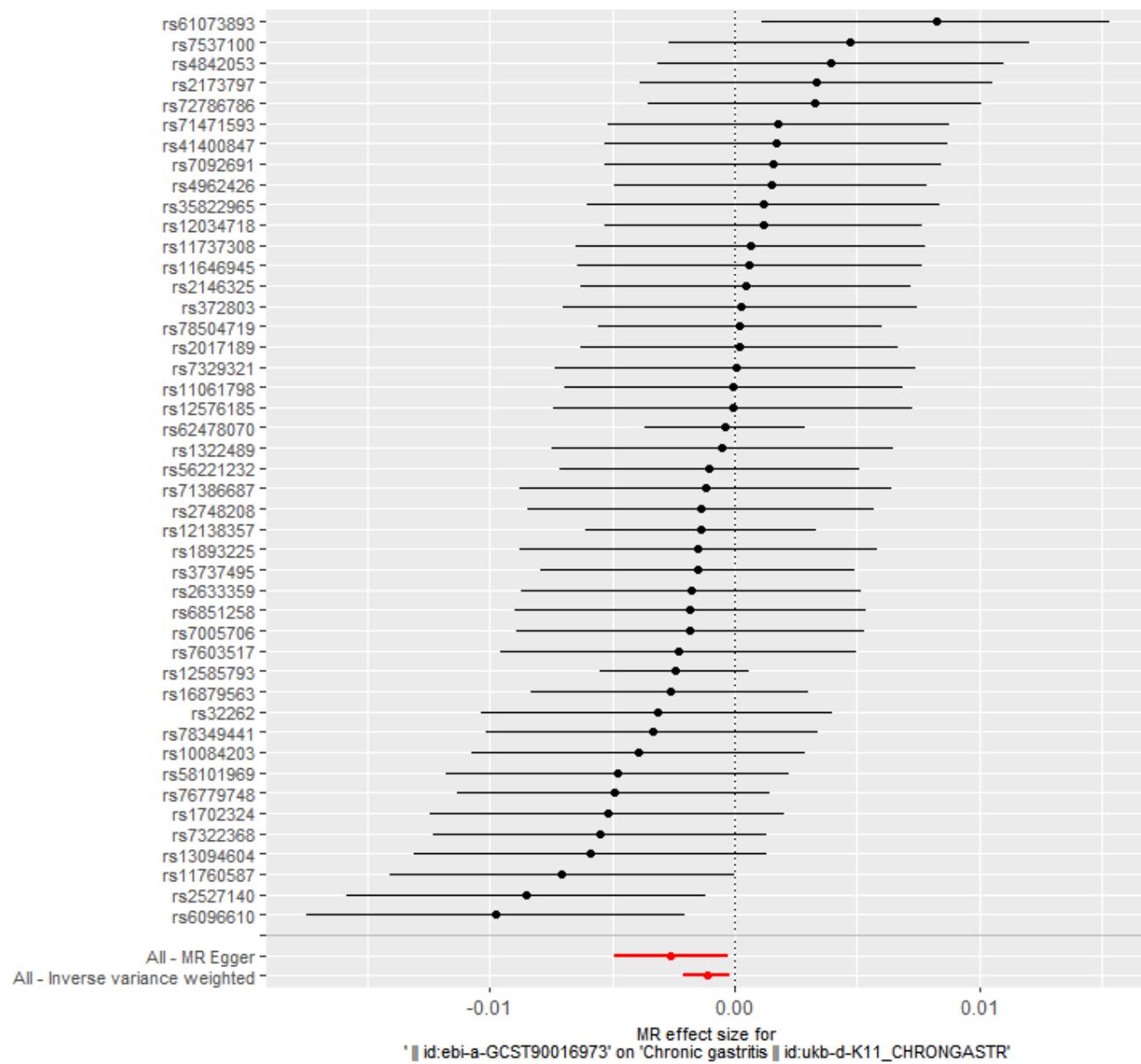
Figure 63 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Butyricicoccus* id.2055) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

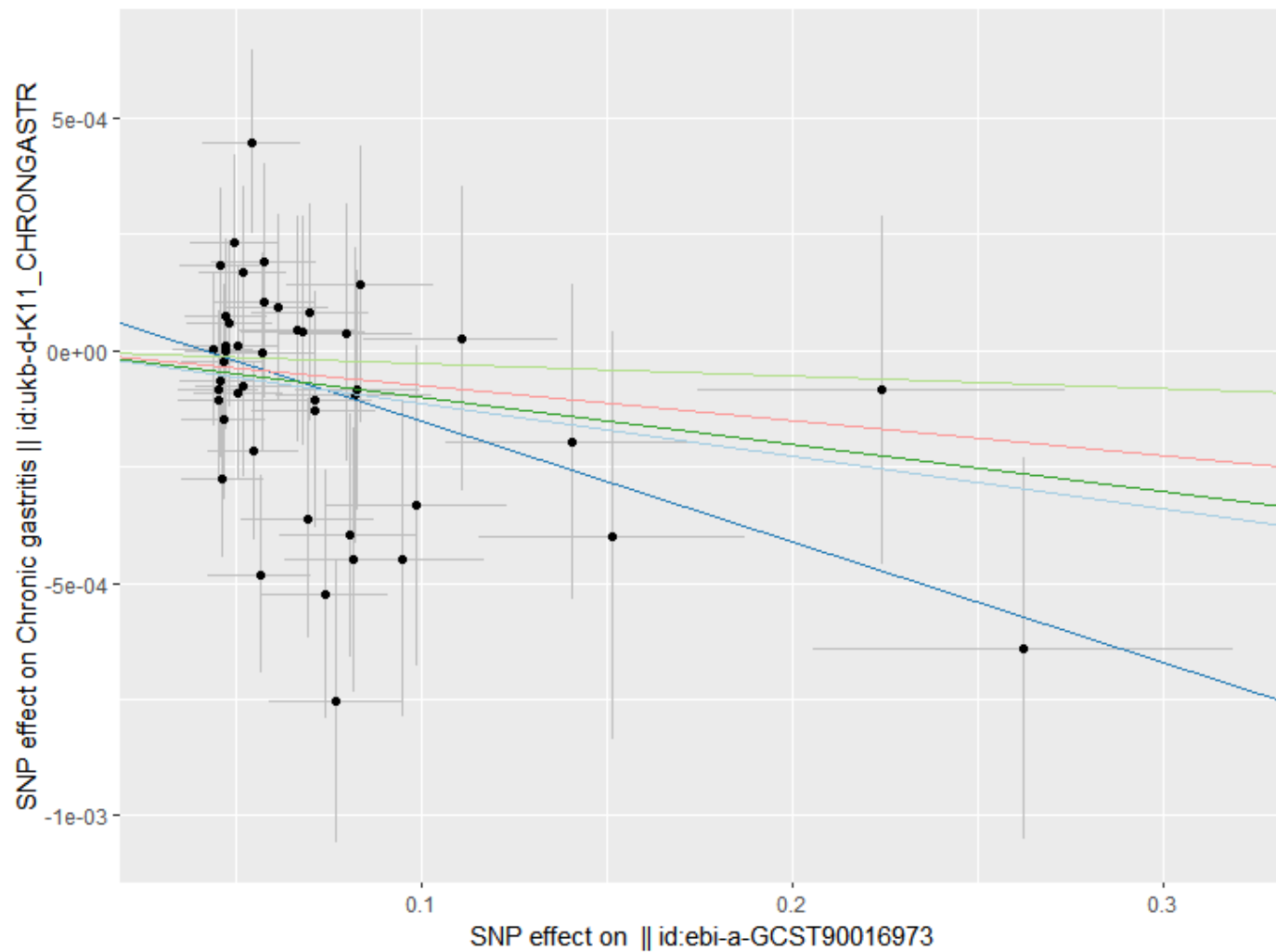
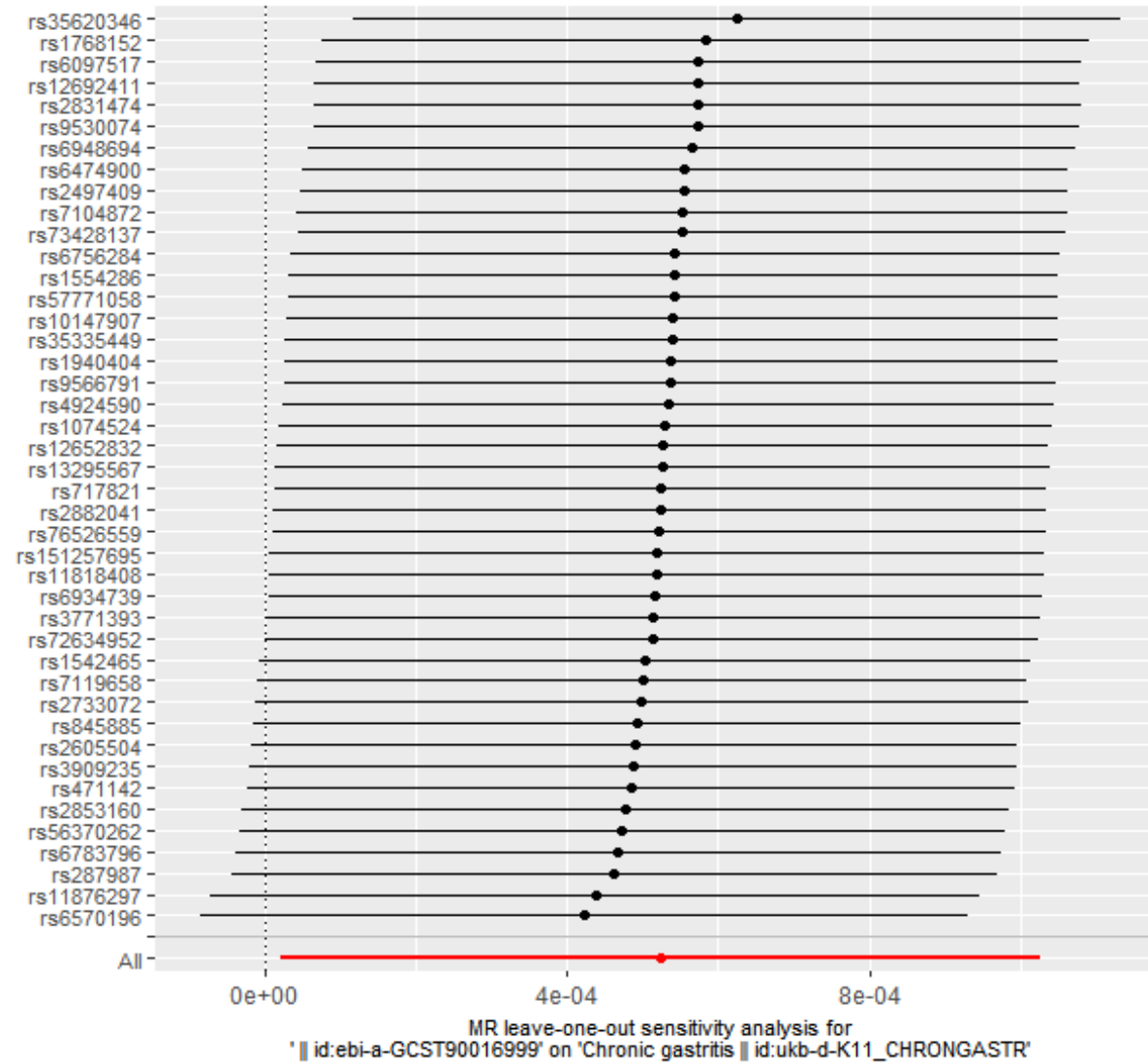
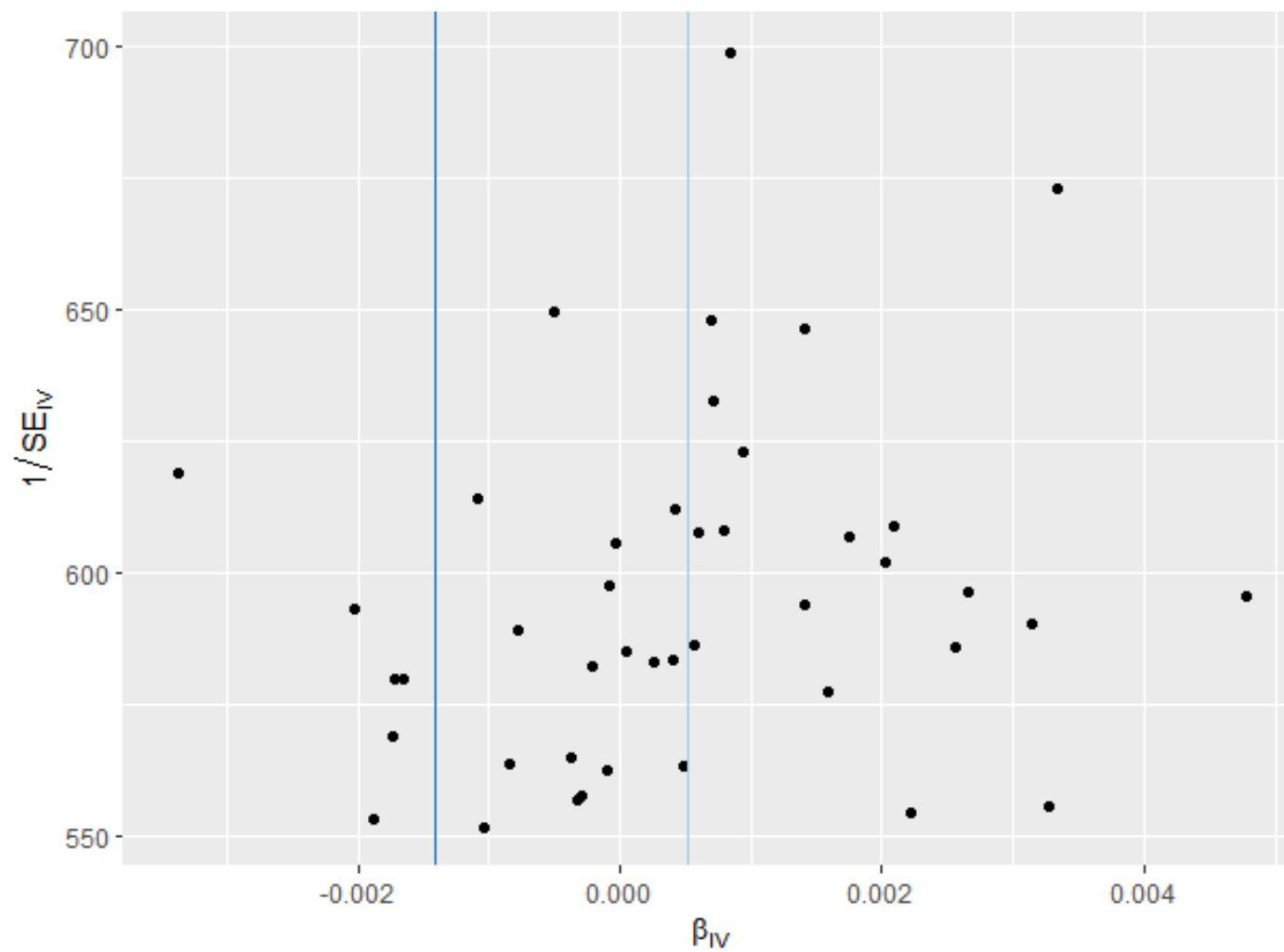


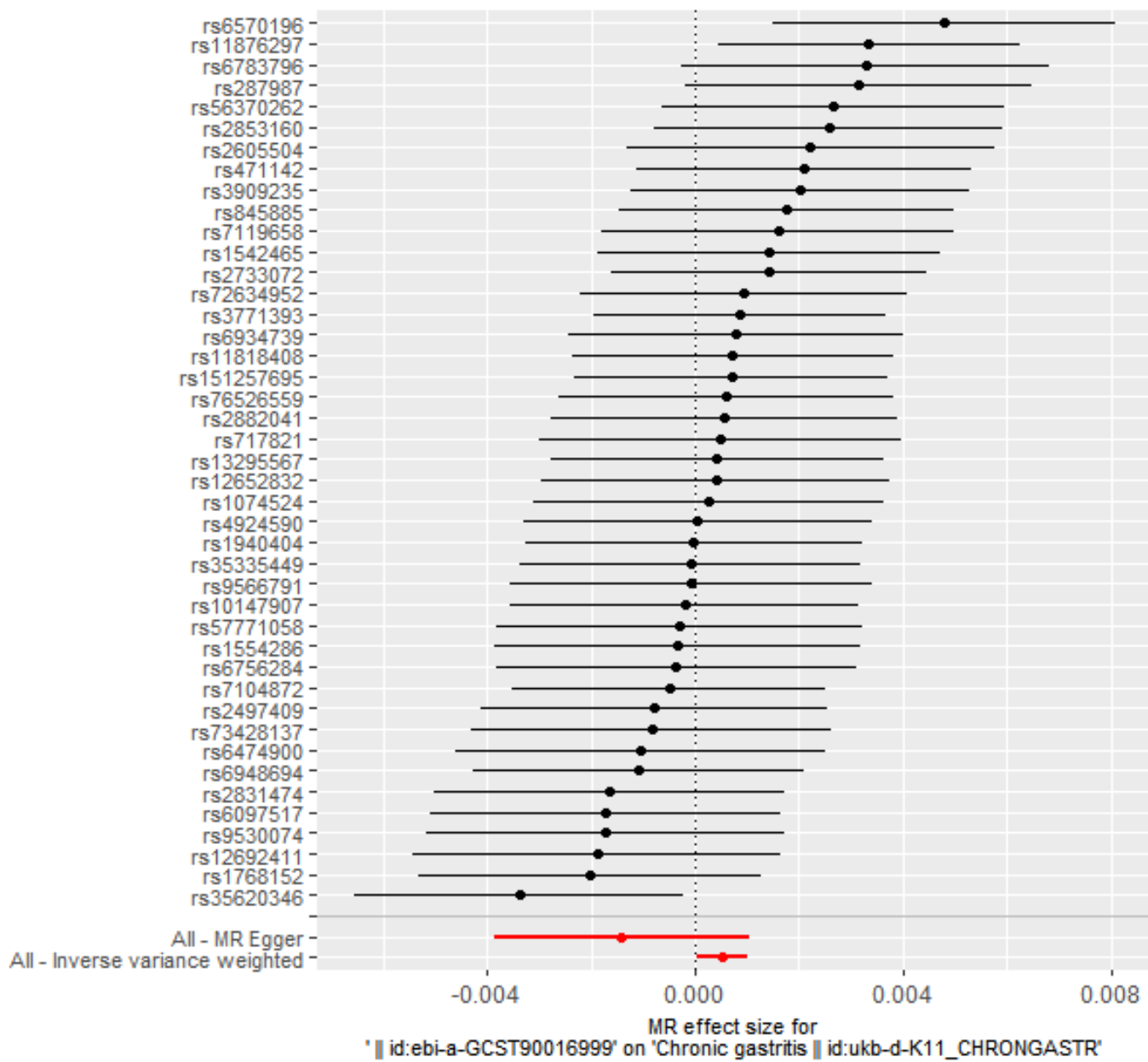
Figure 64 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium fissicatena* group id.14373) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





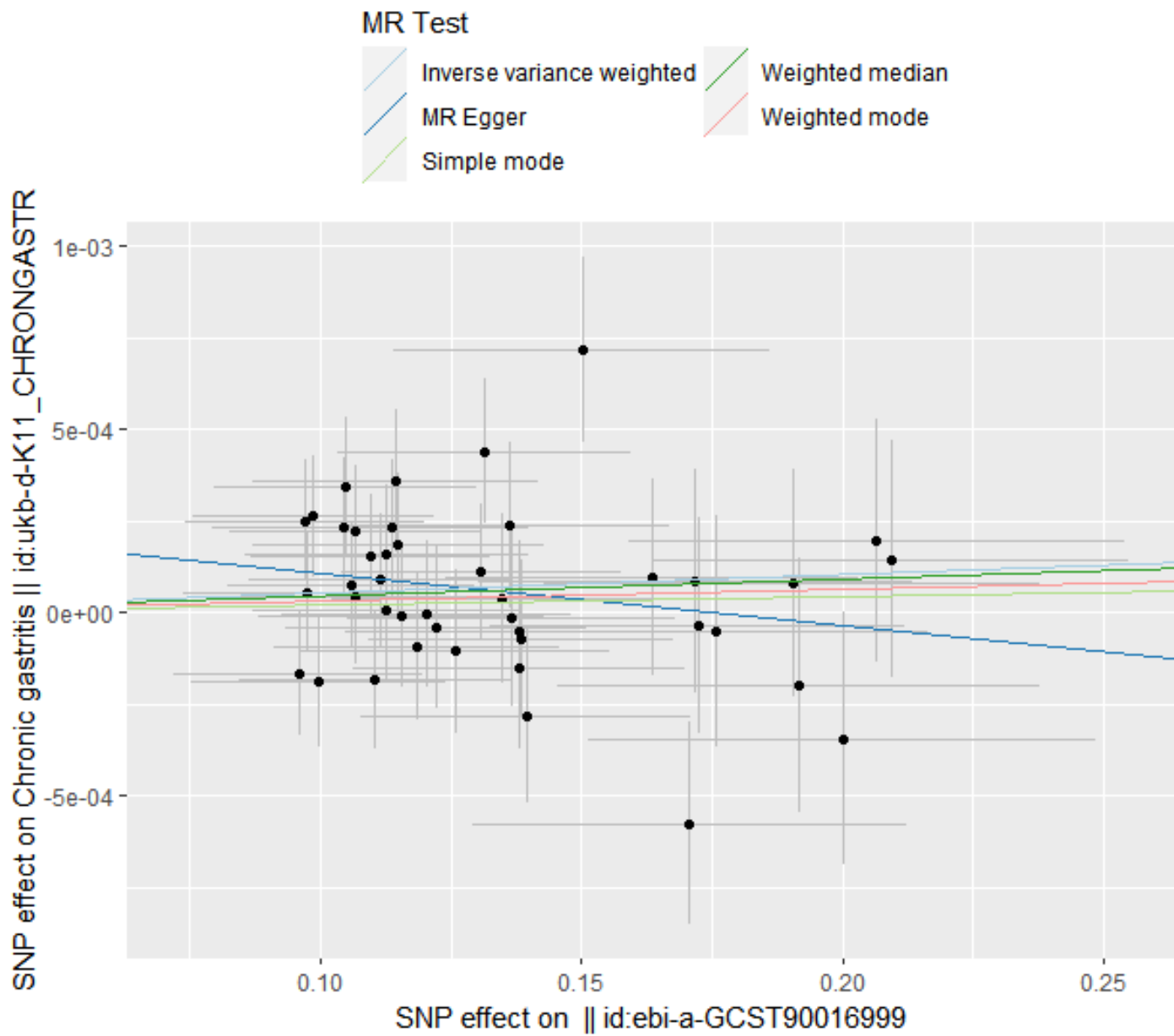
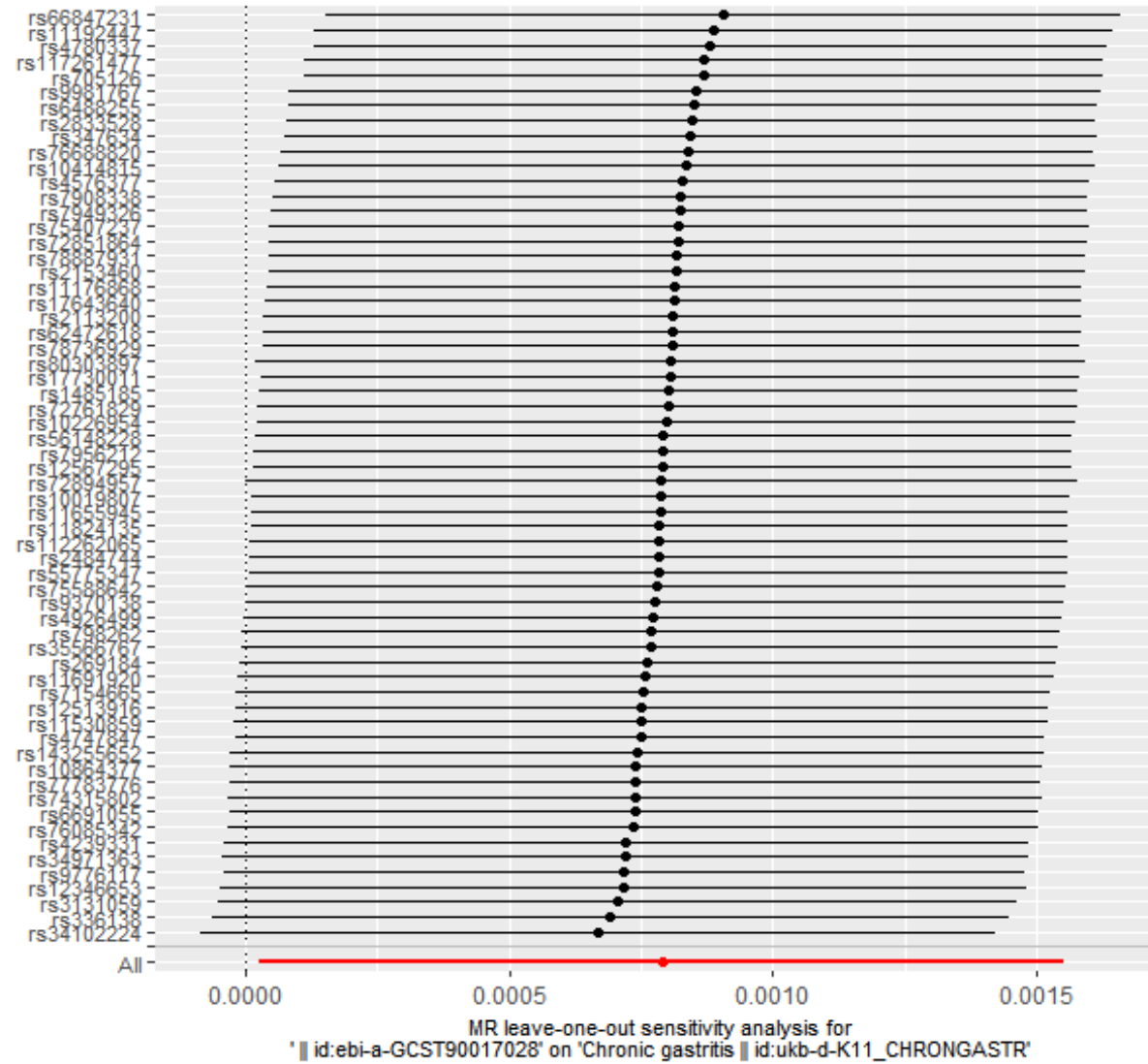
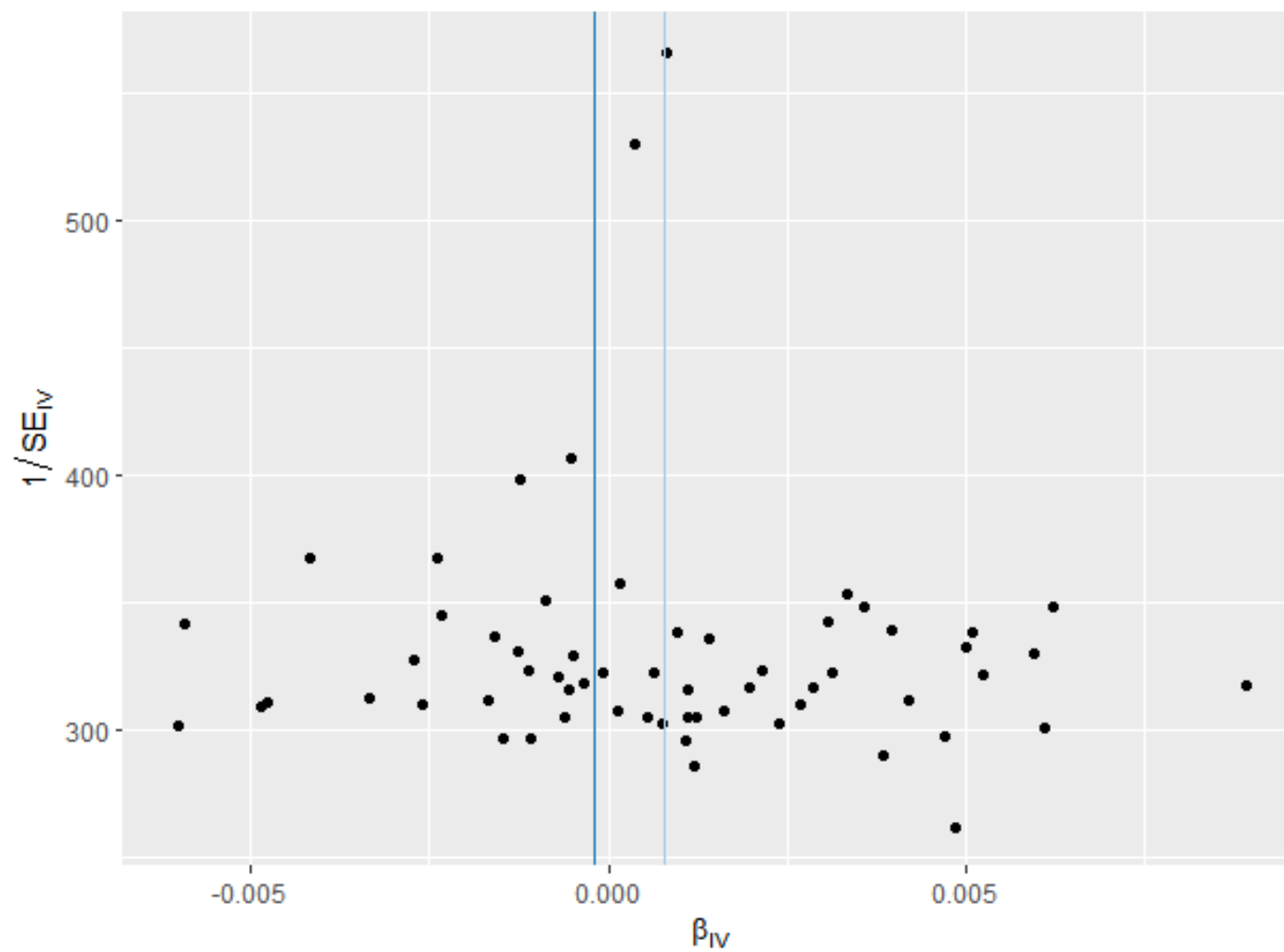


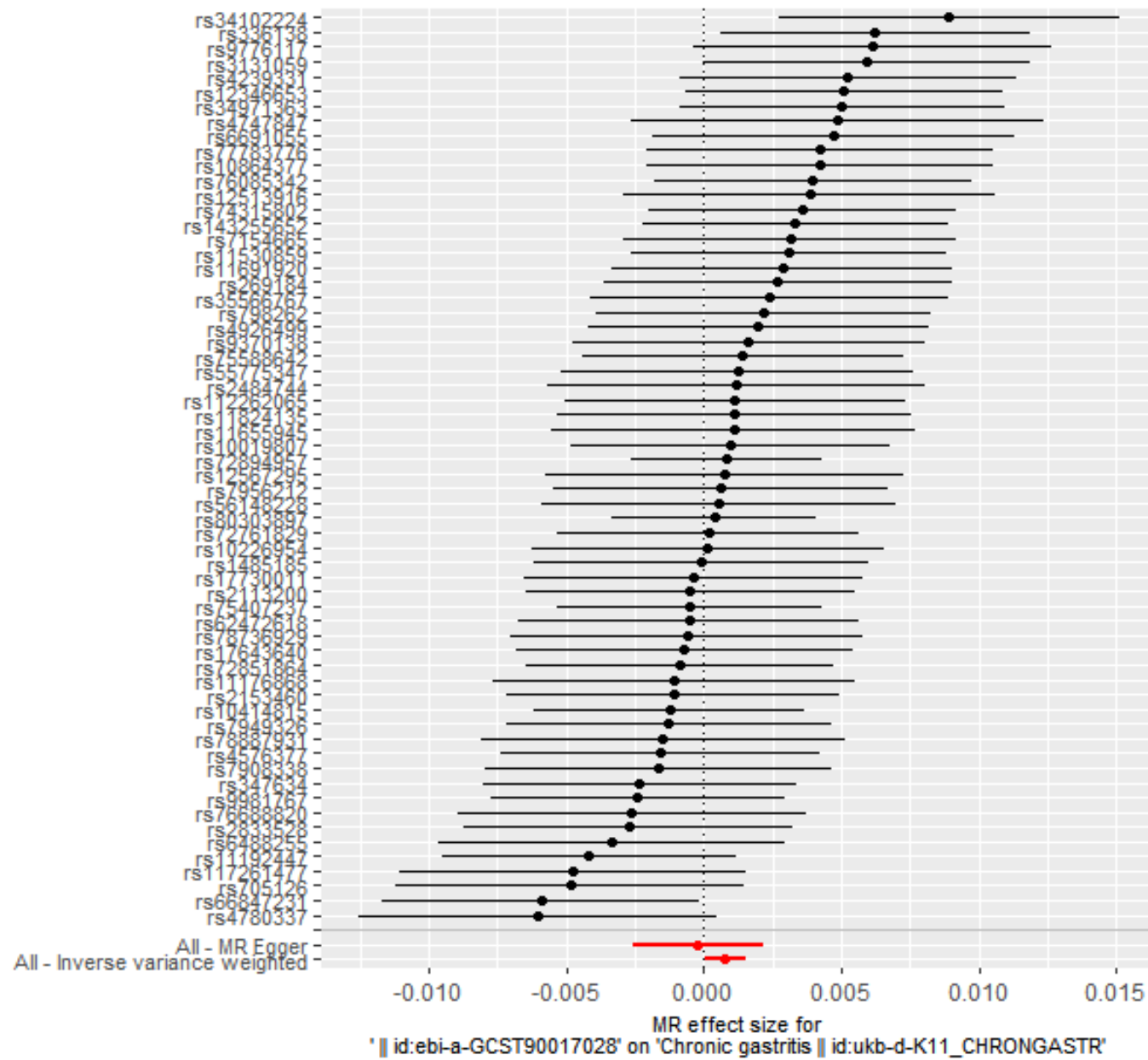
Figure 65 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Lachnospiraceae* UCG010 id.11330) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





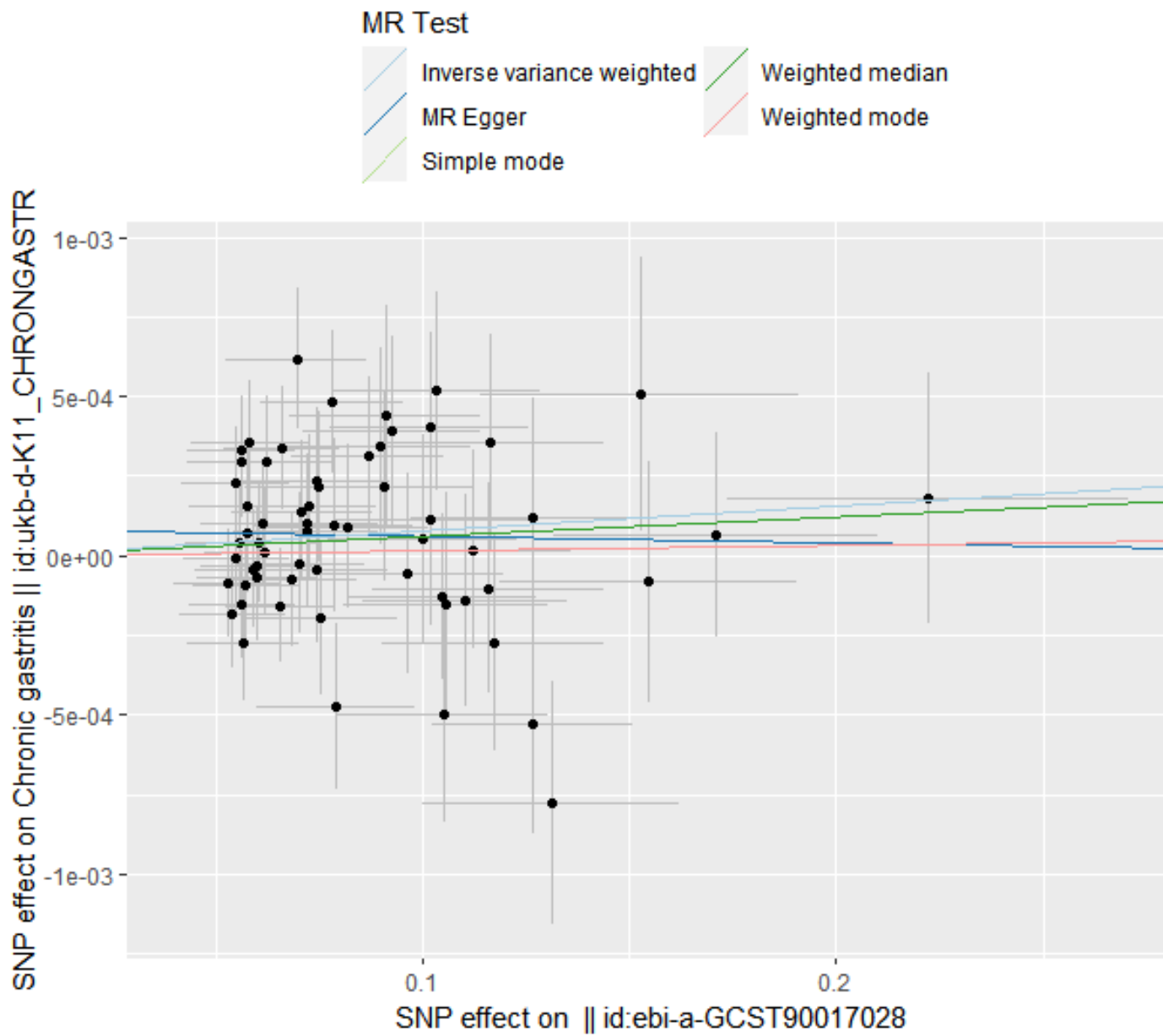
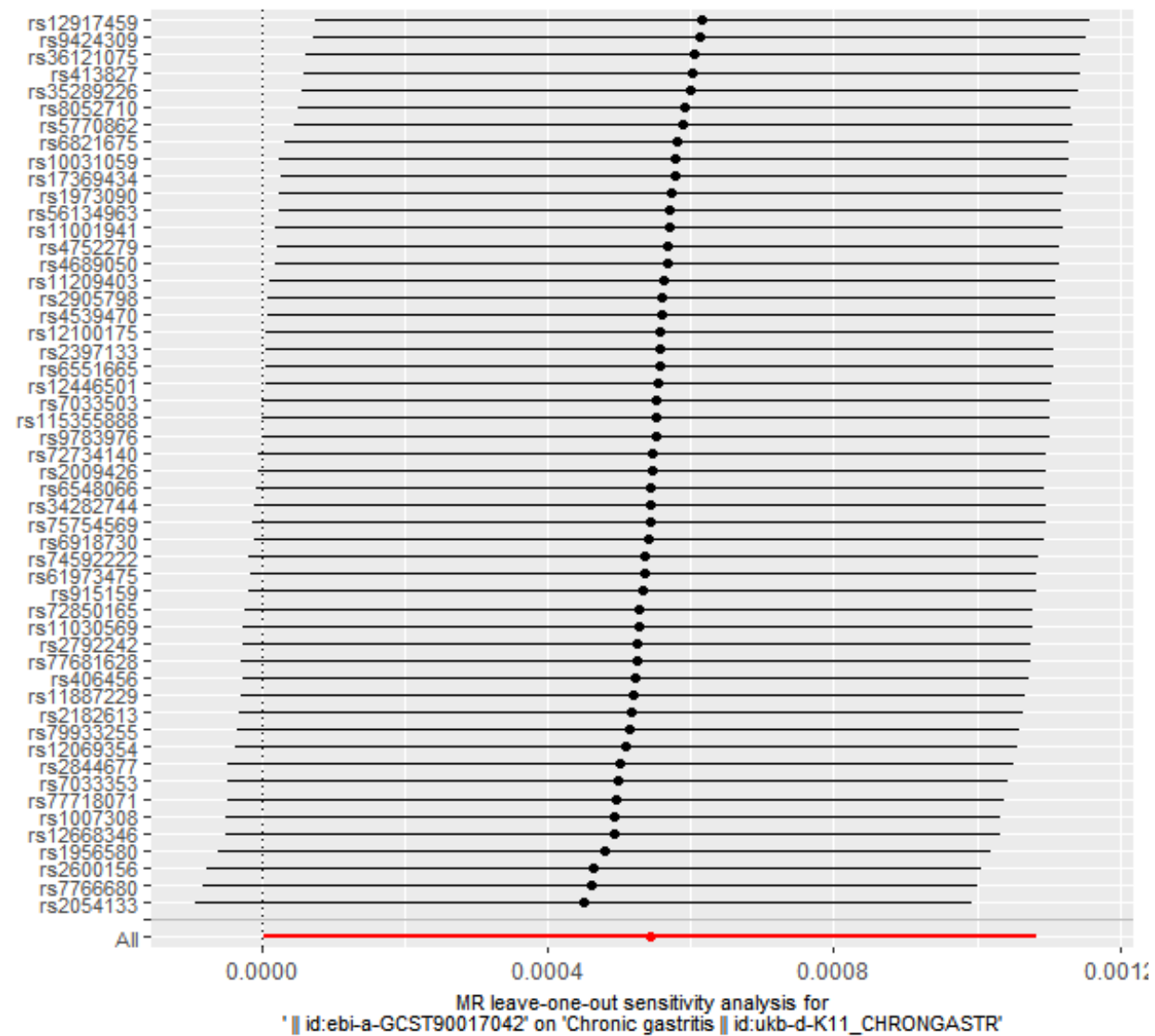
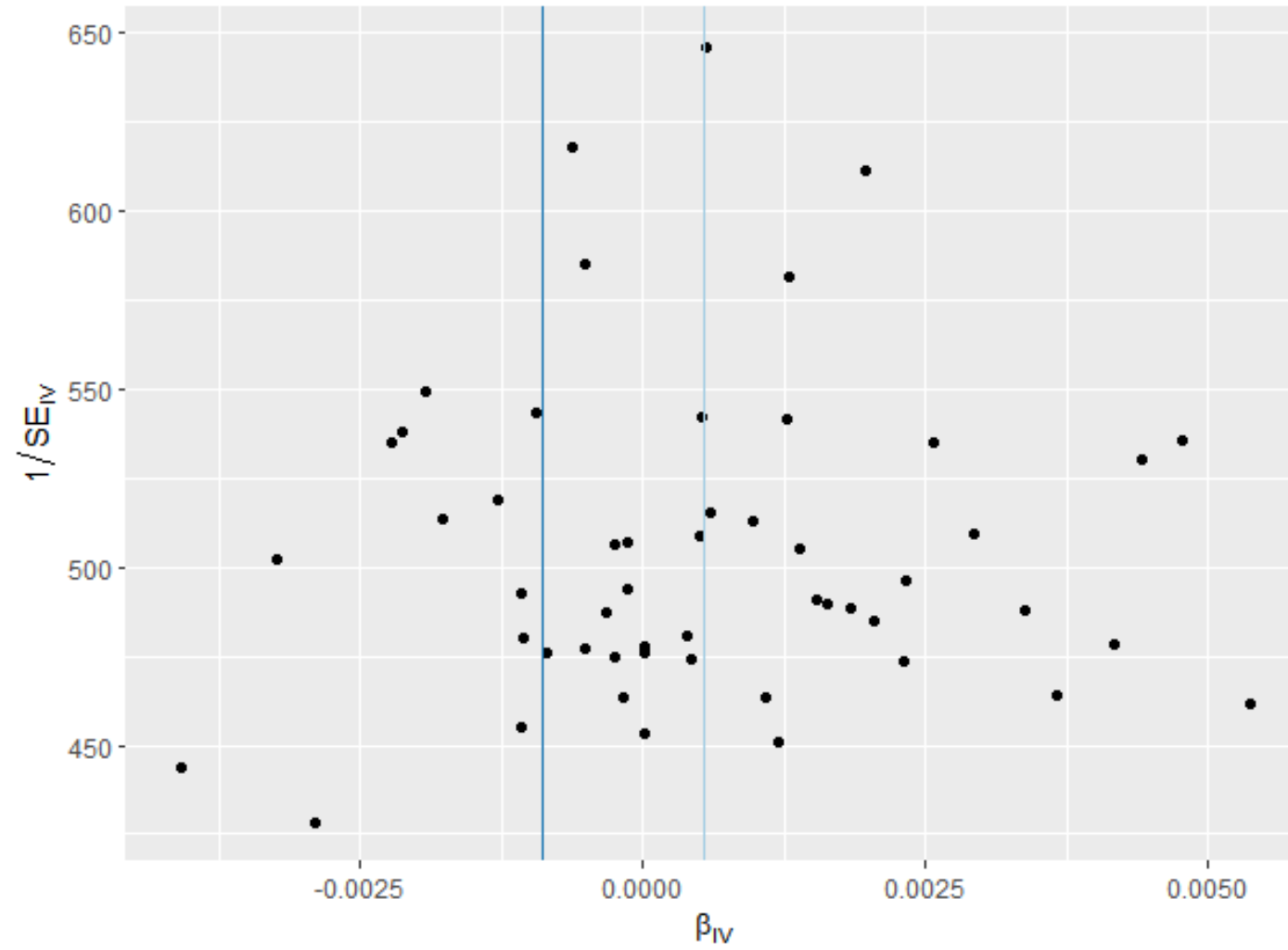


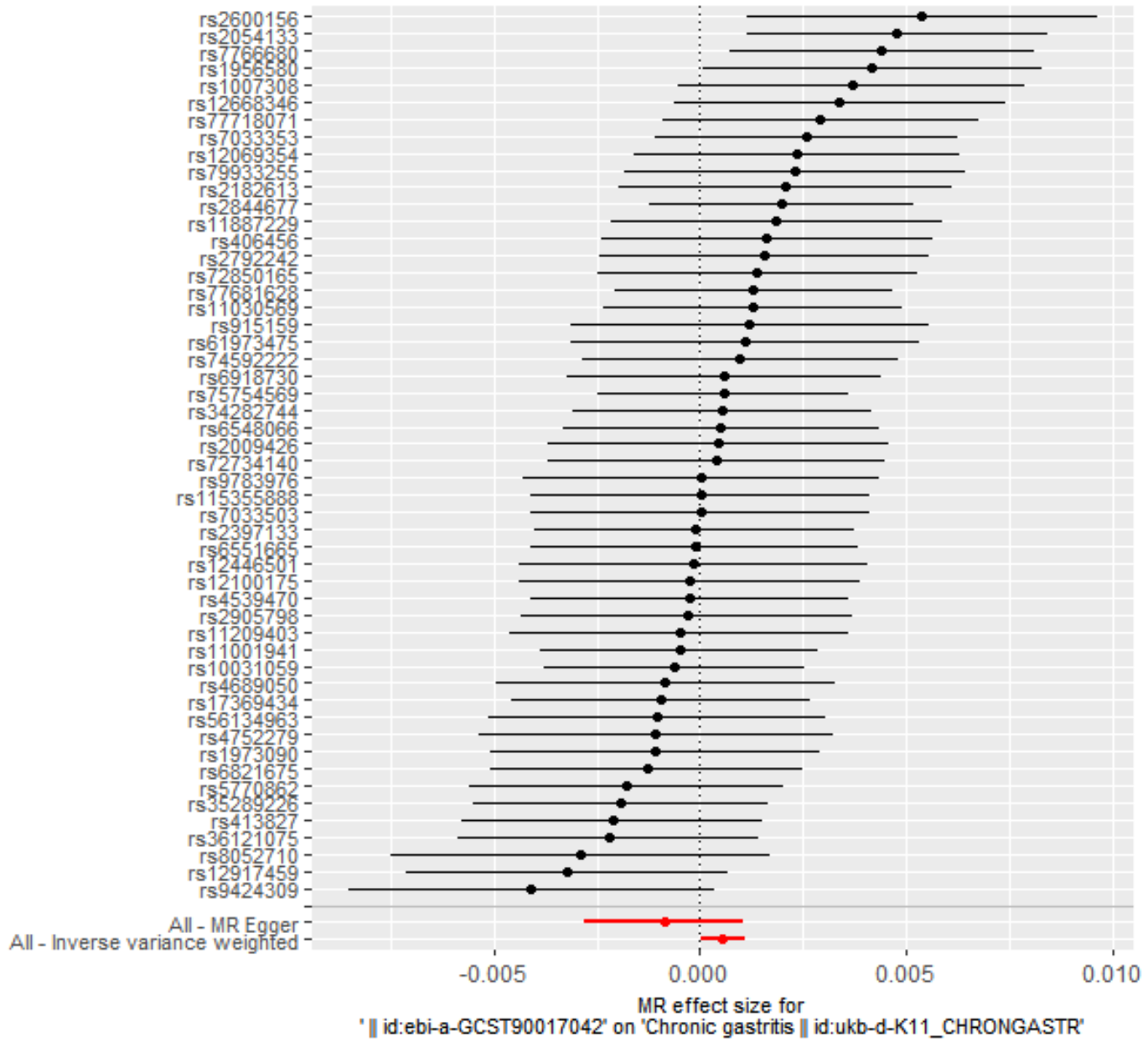
Figure 66 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Peptococcus* id.2037) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





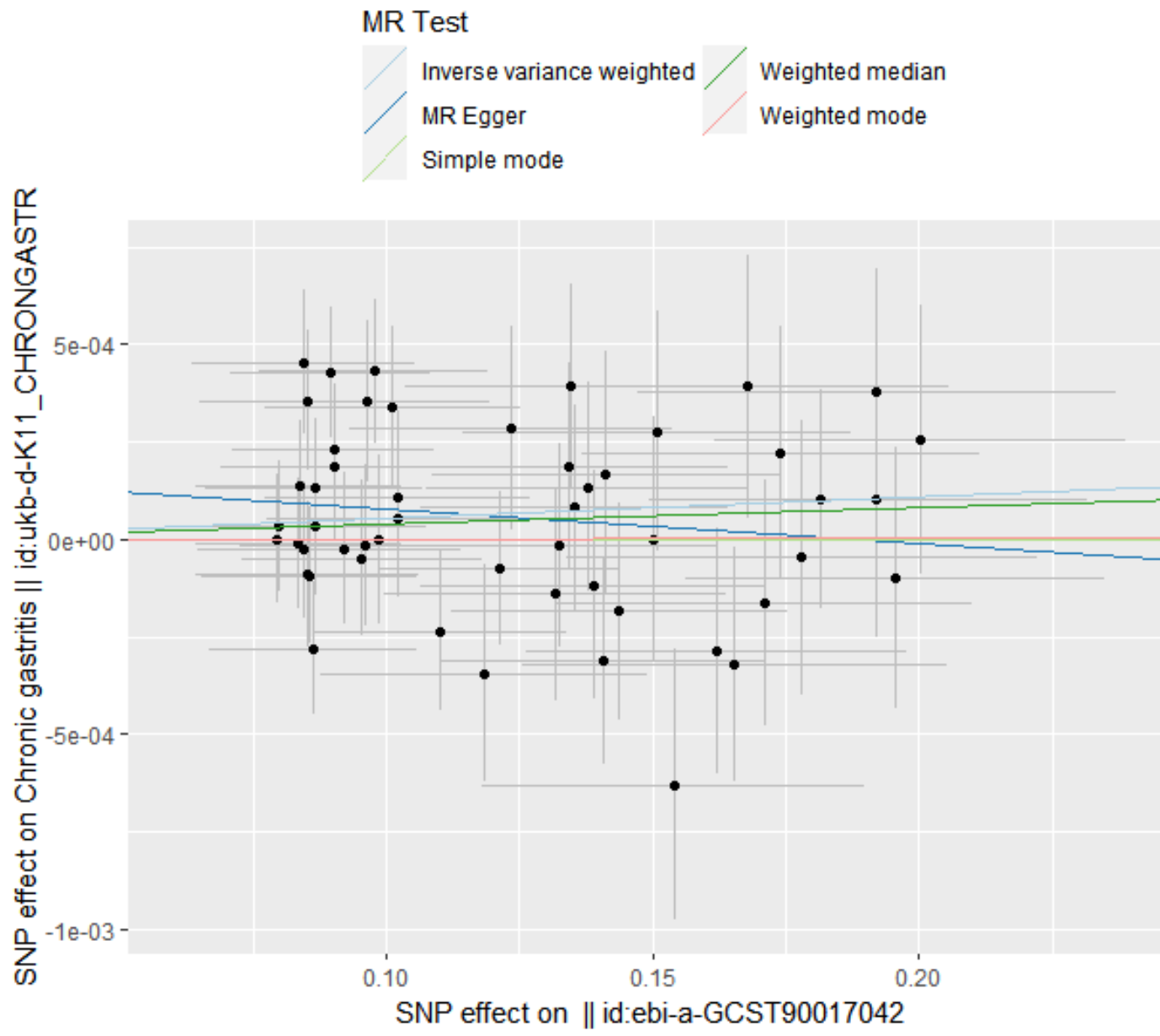
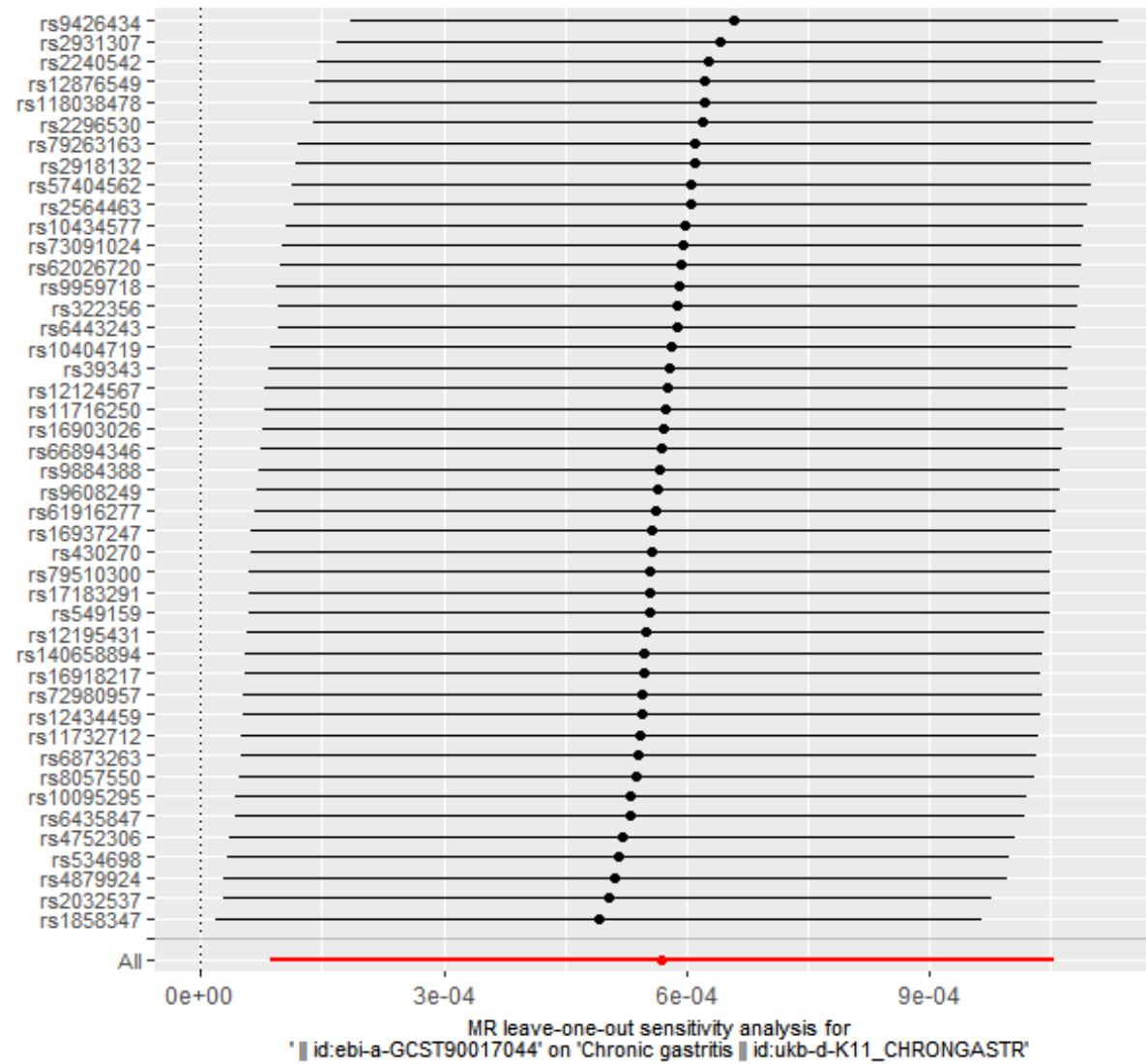
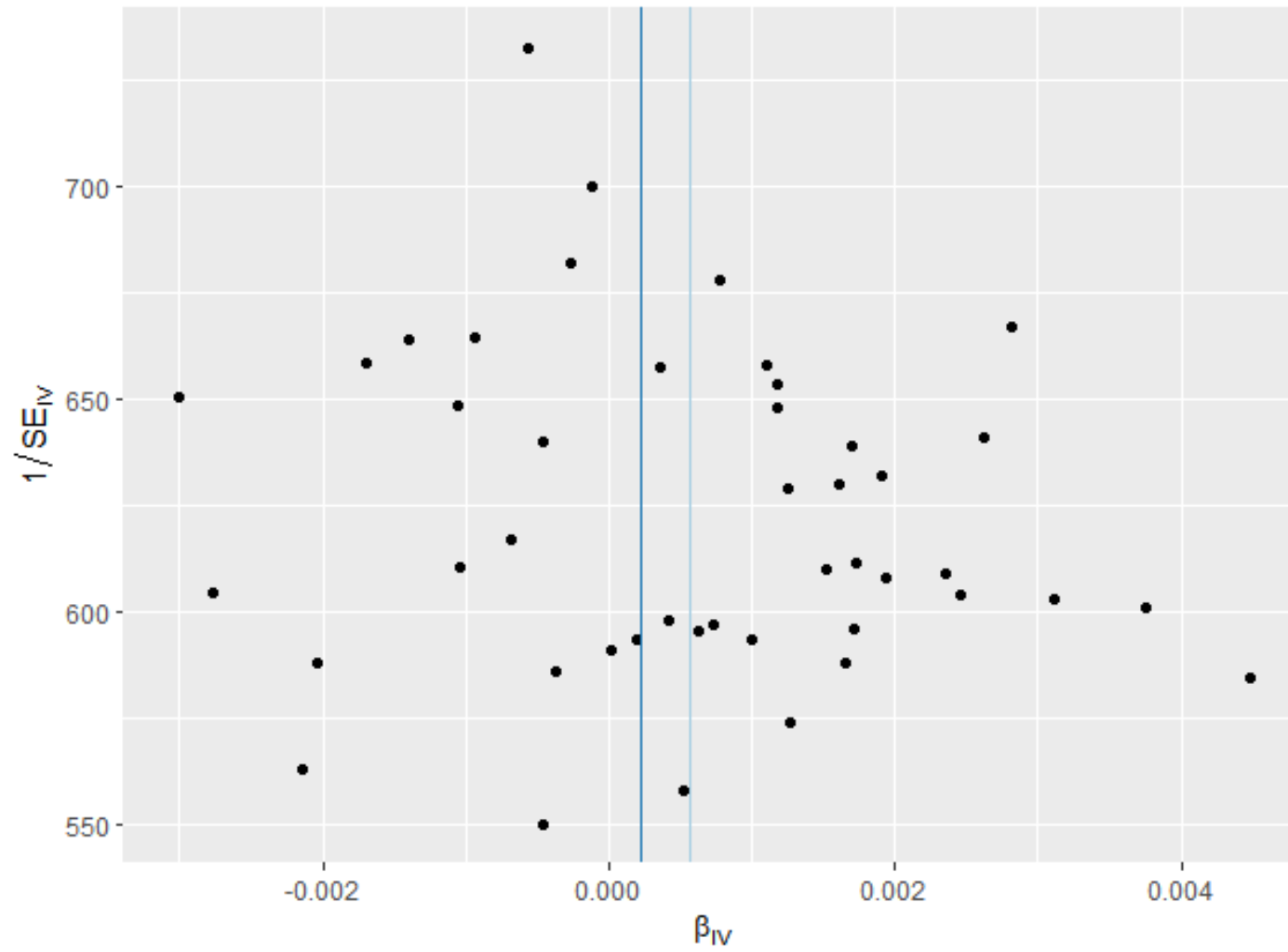


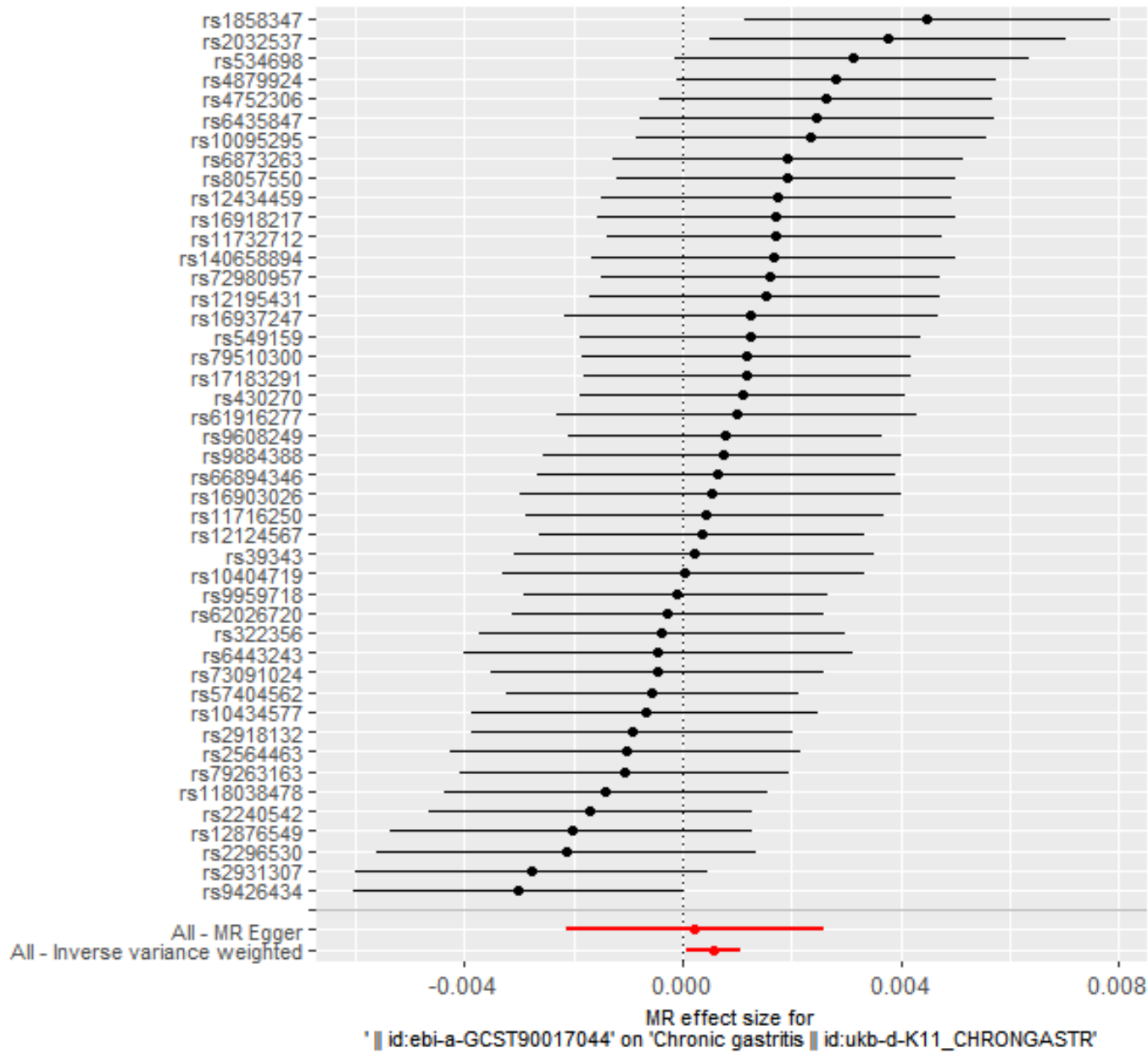
Figure 67 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Prevotella* id.11182) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





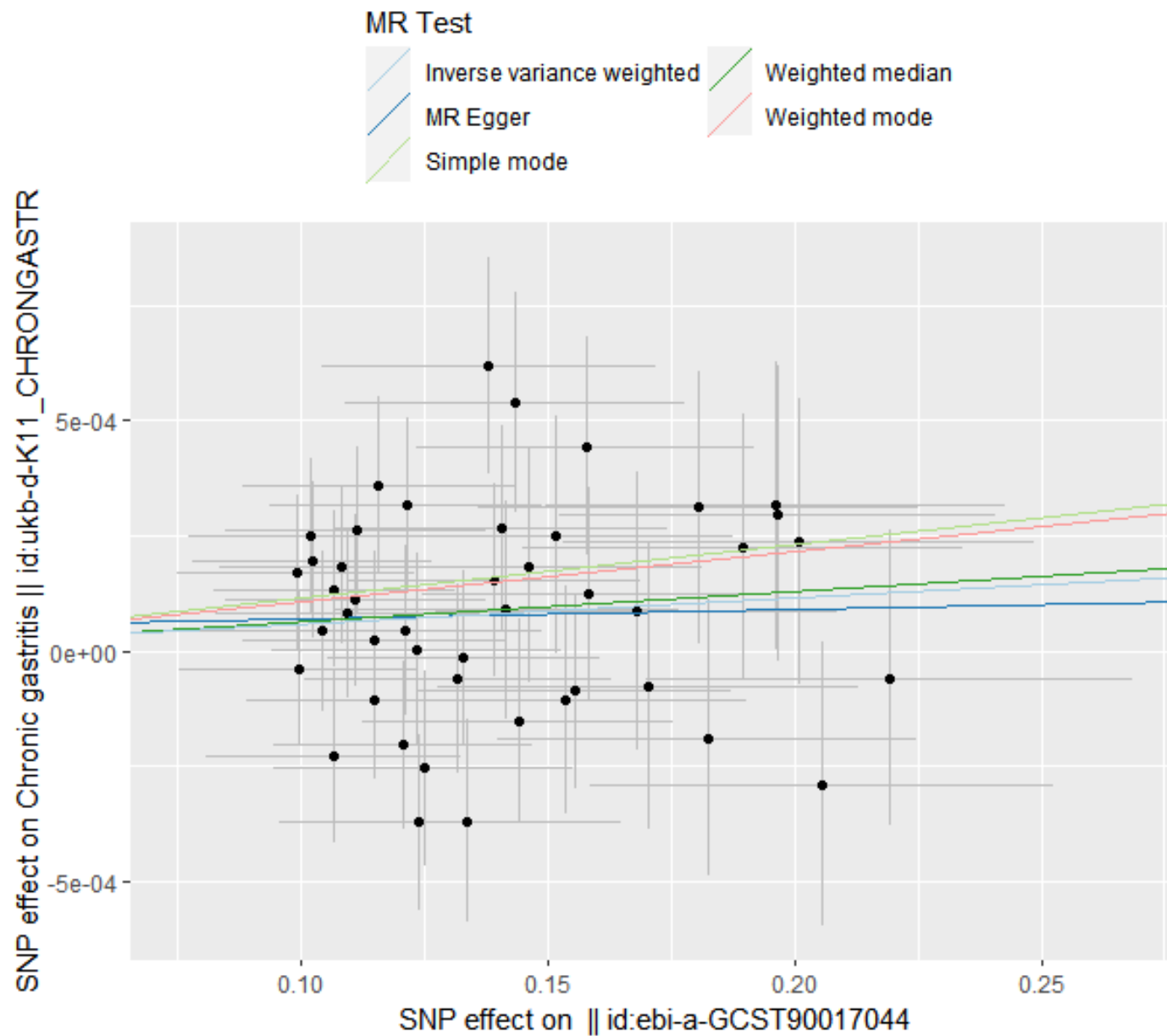
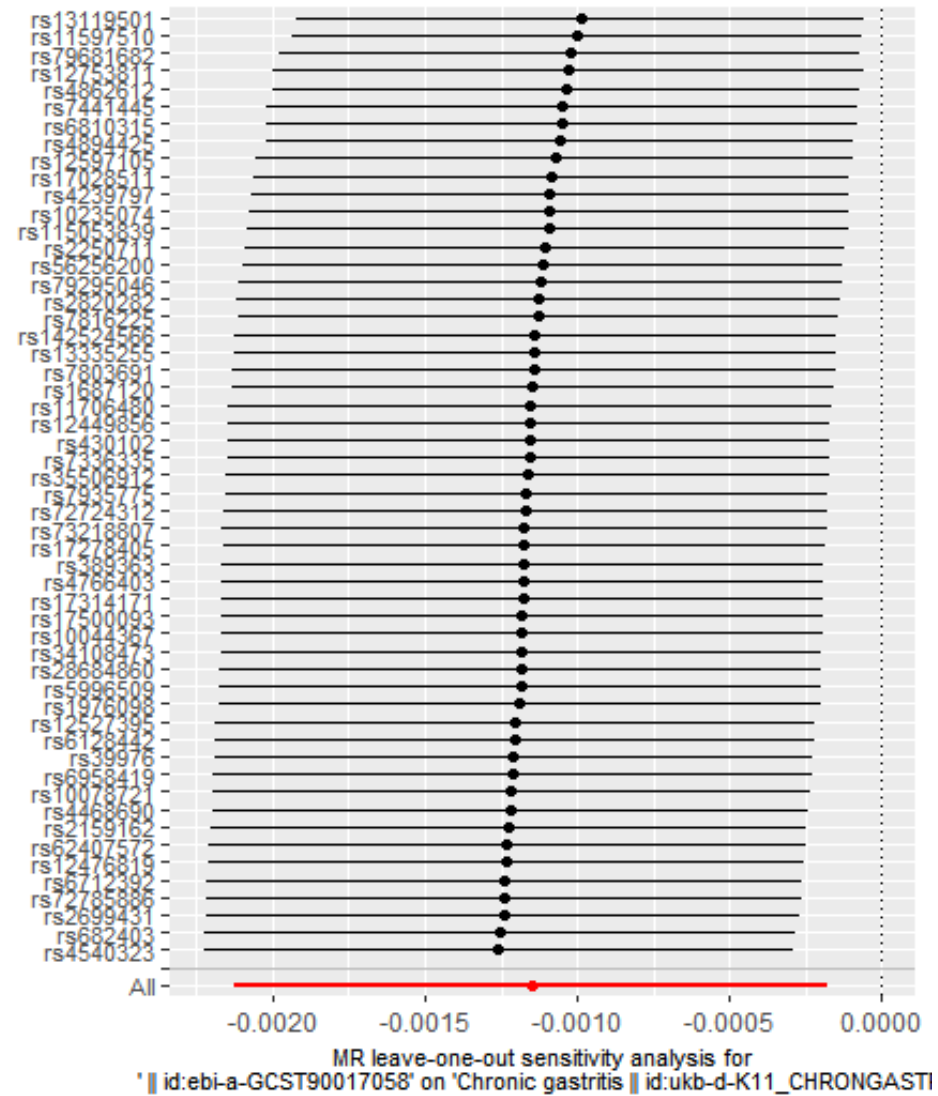
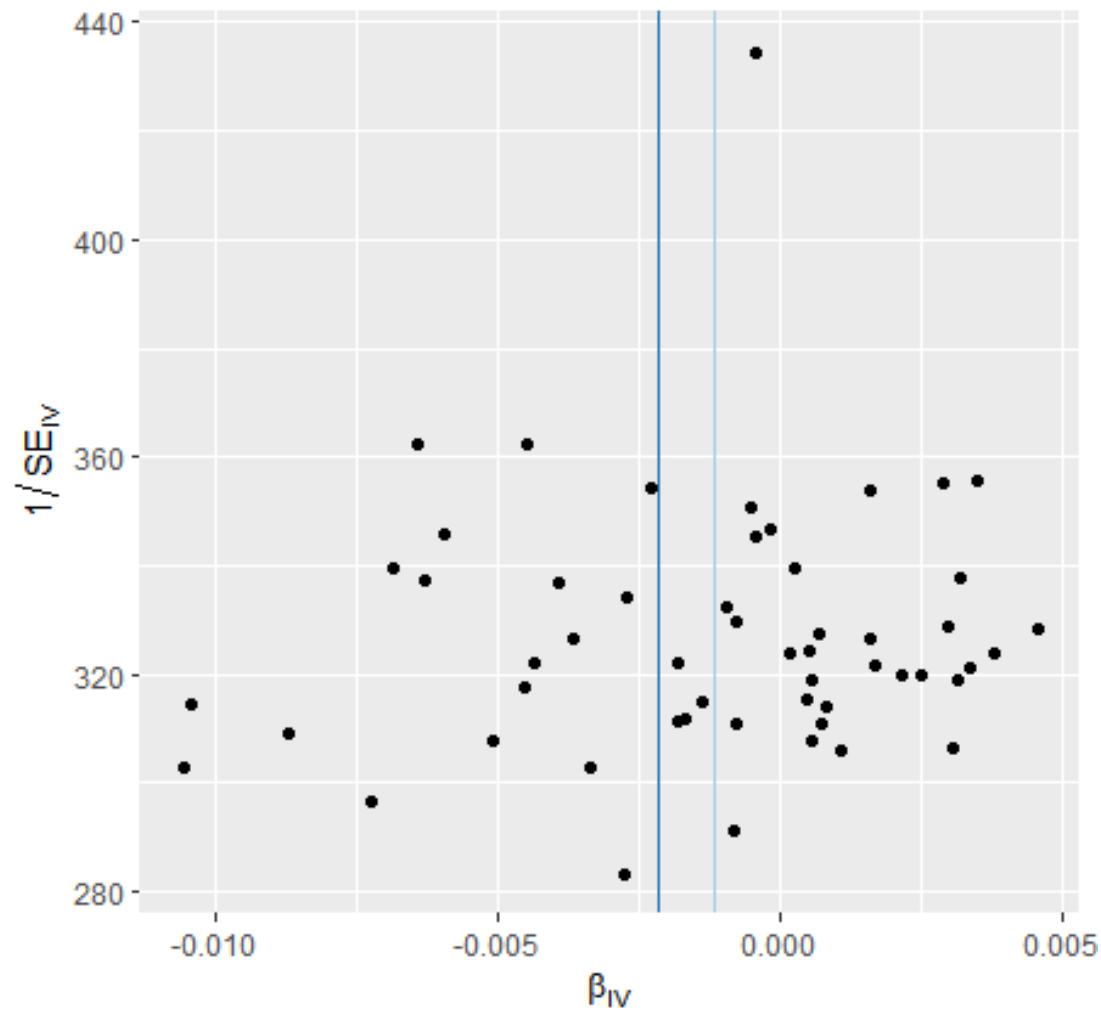


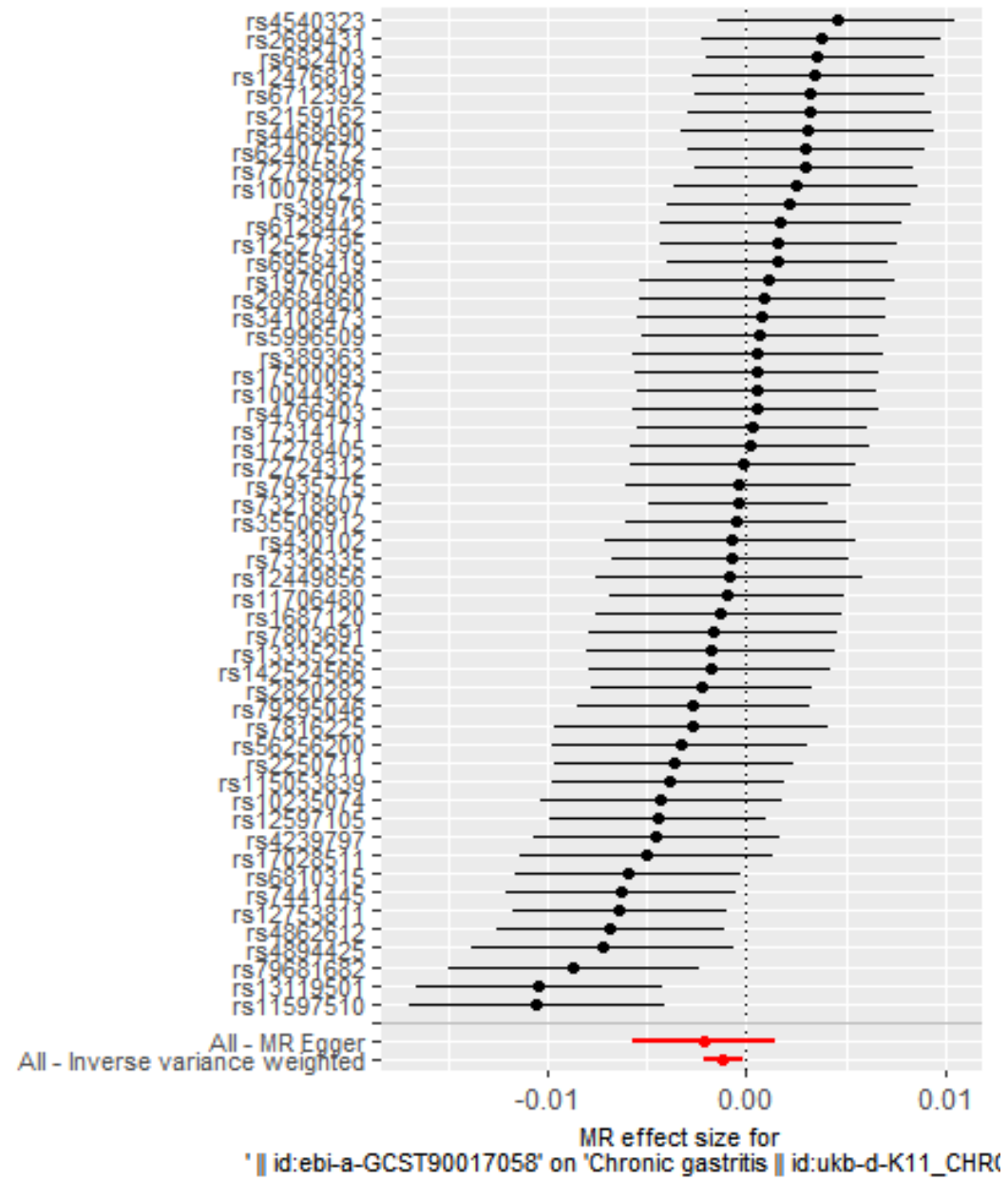
Figure 68 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





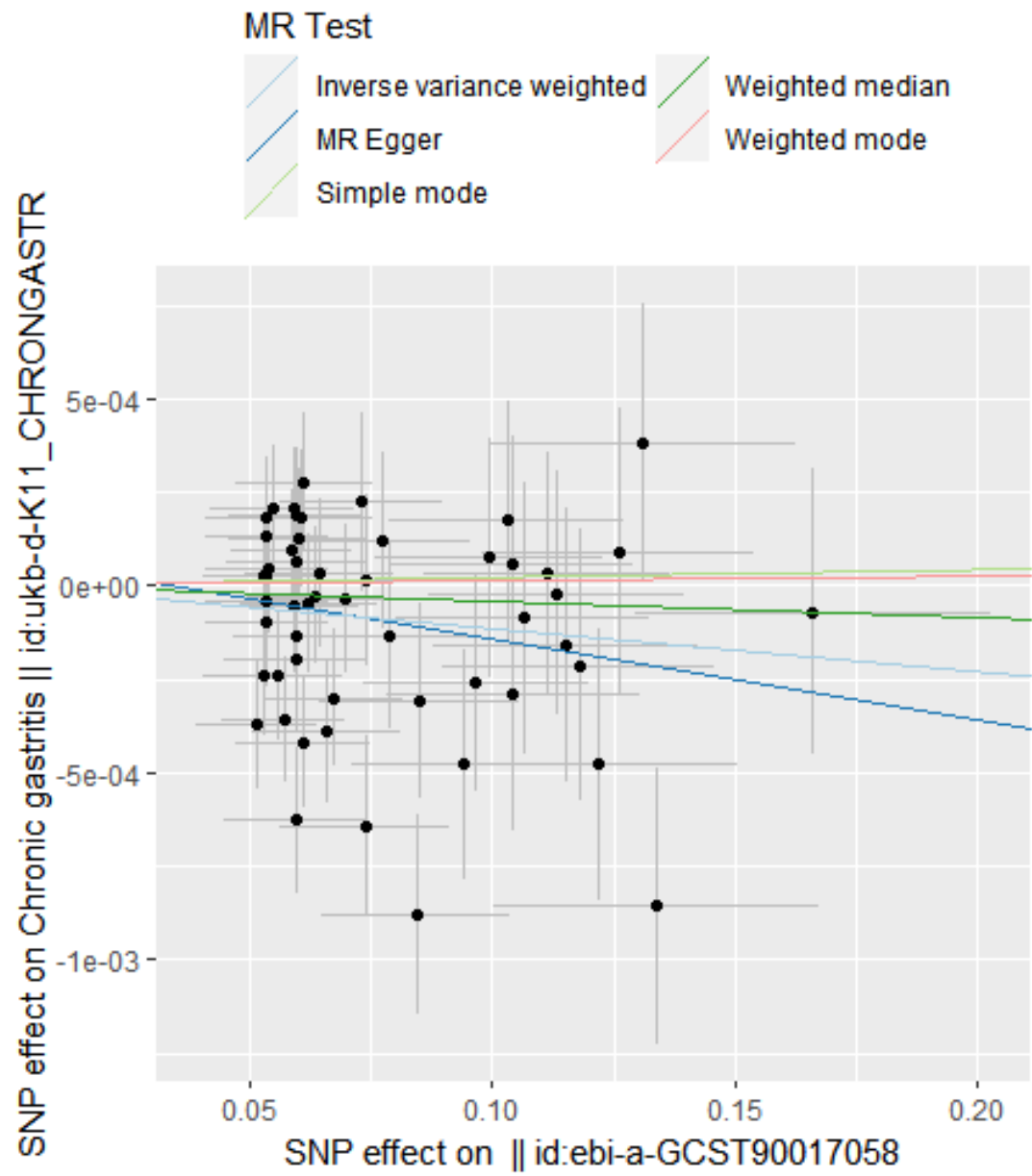
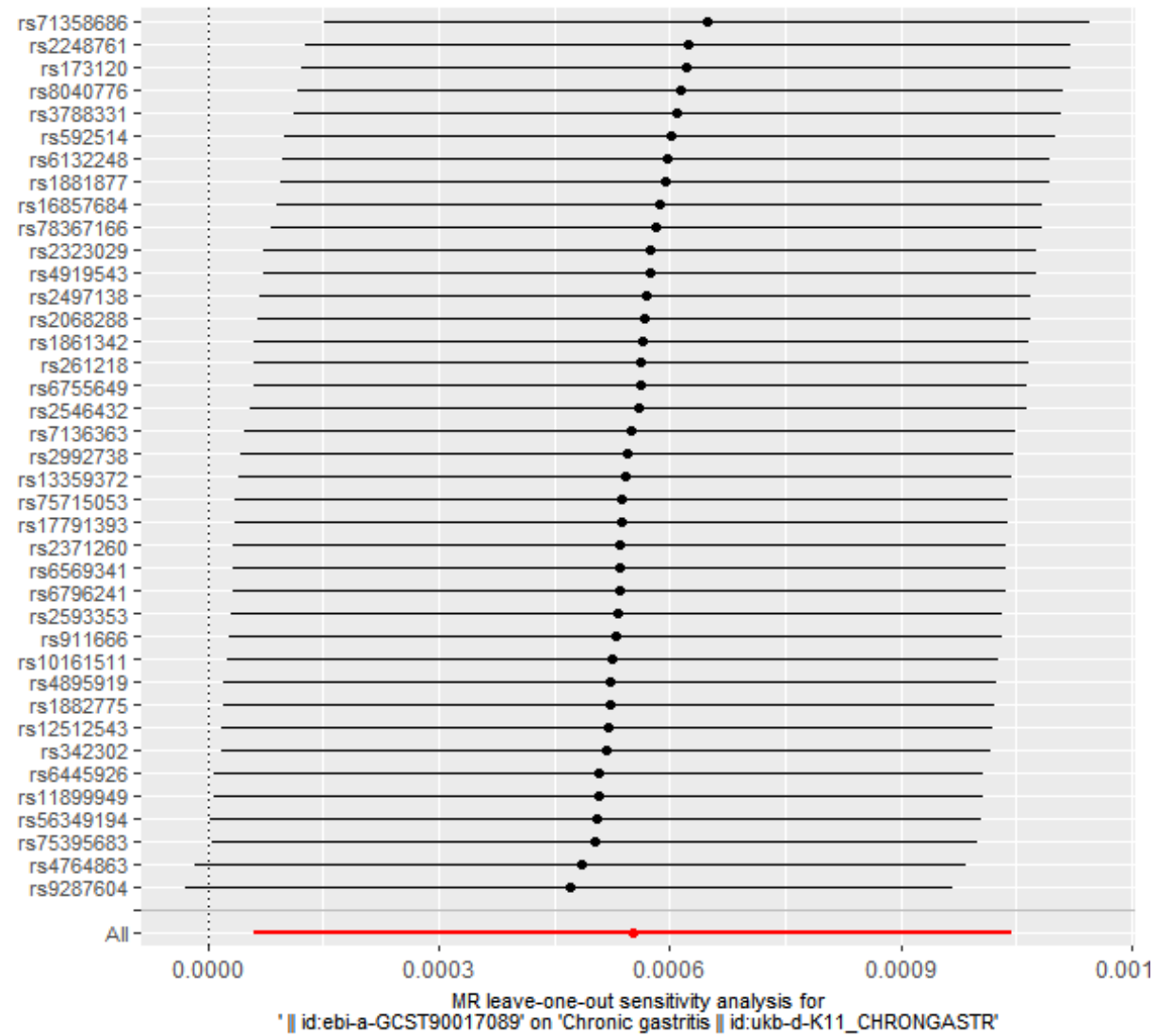
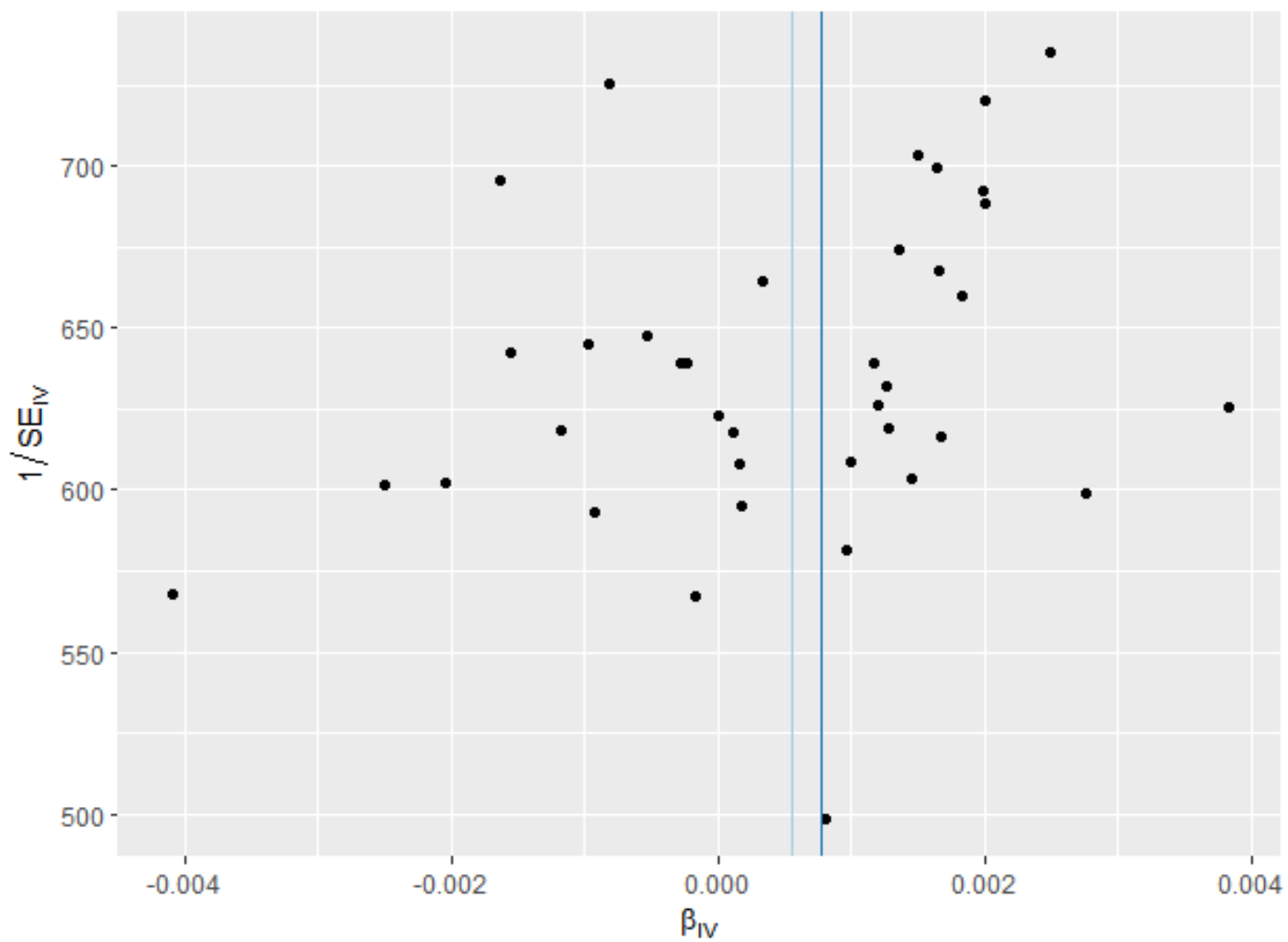


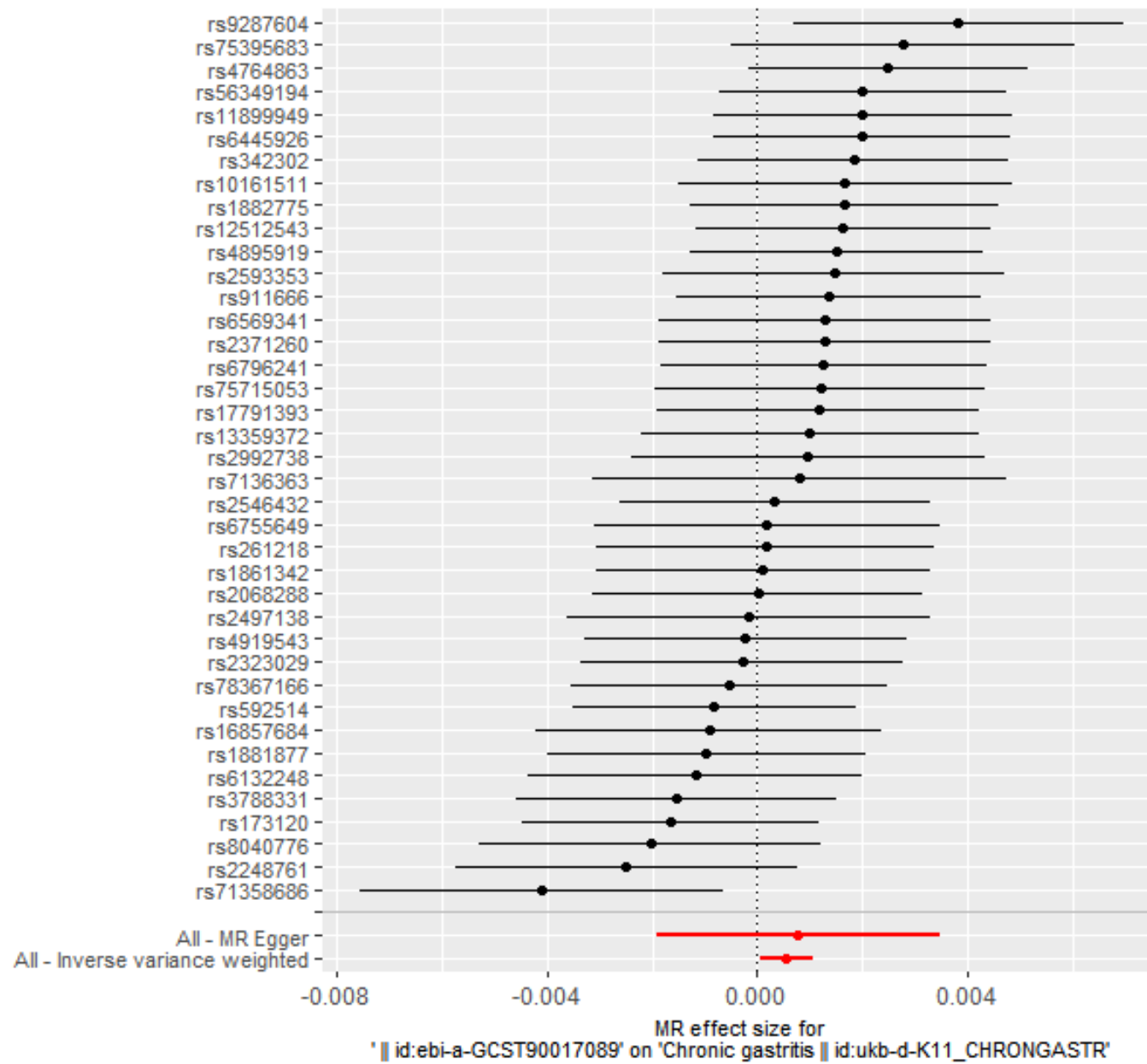
Figure 69 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Victivallis id.2256) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





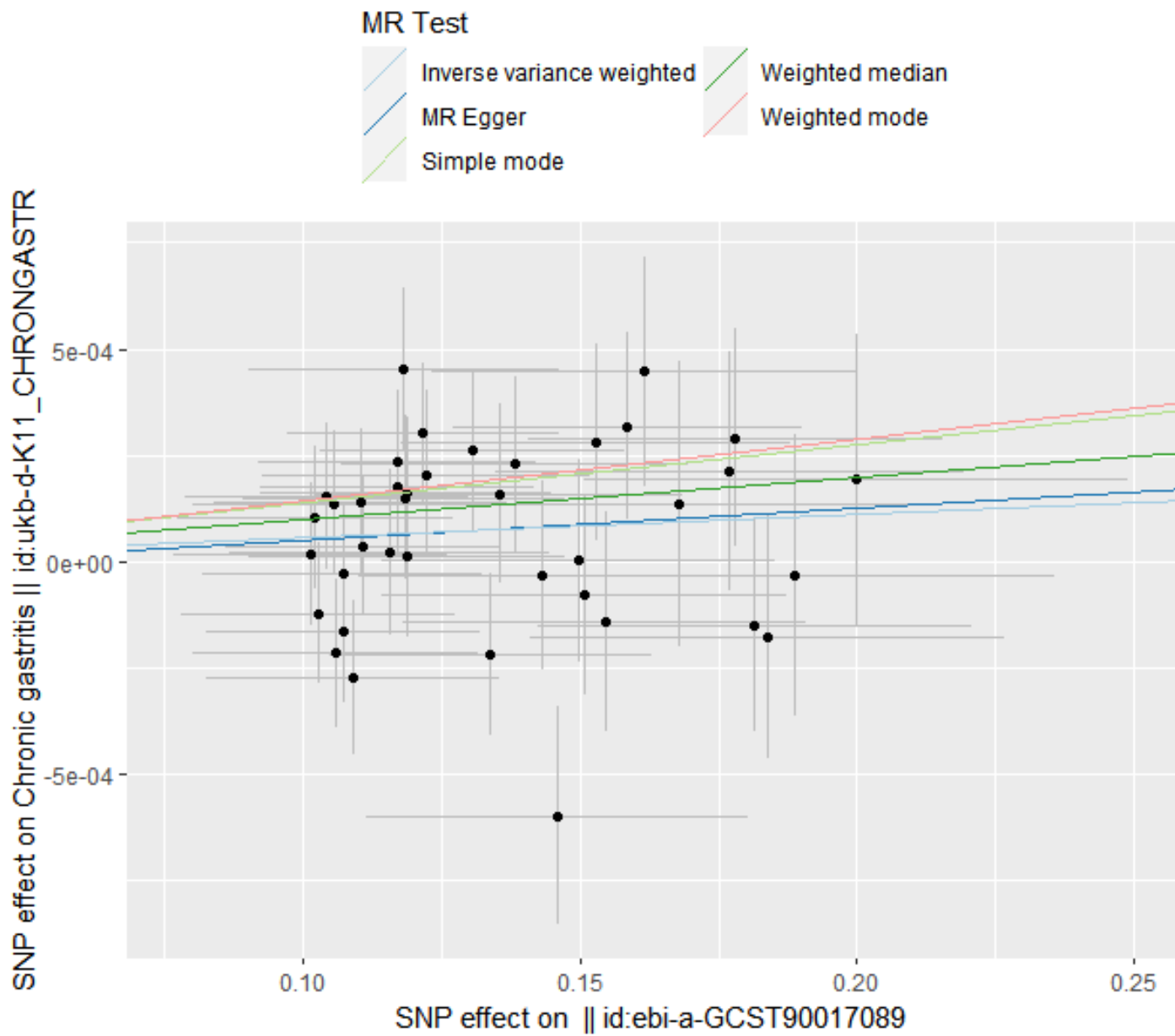
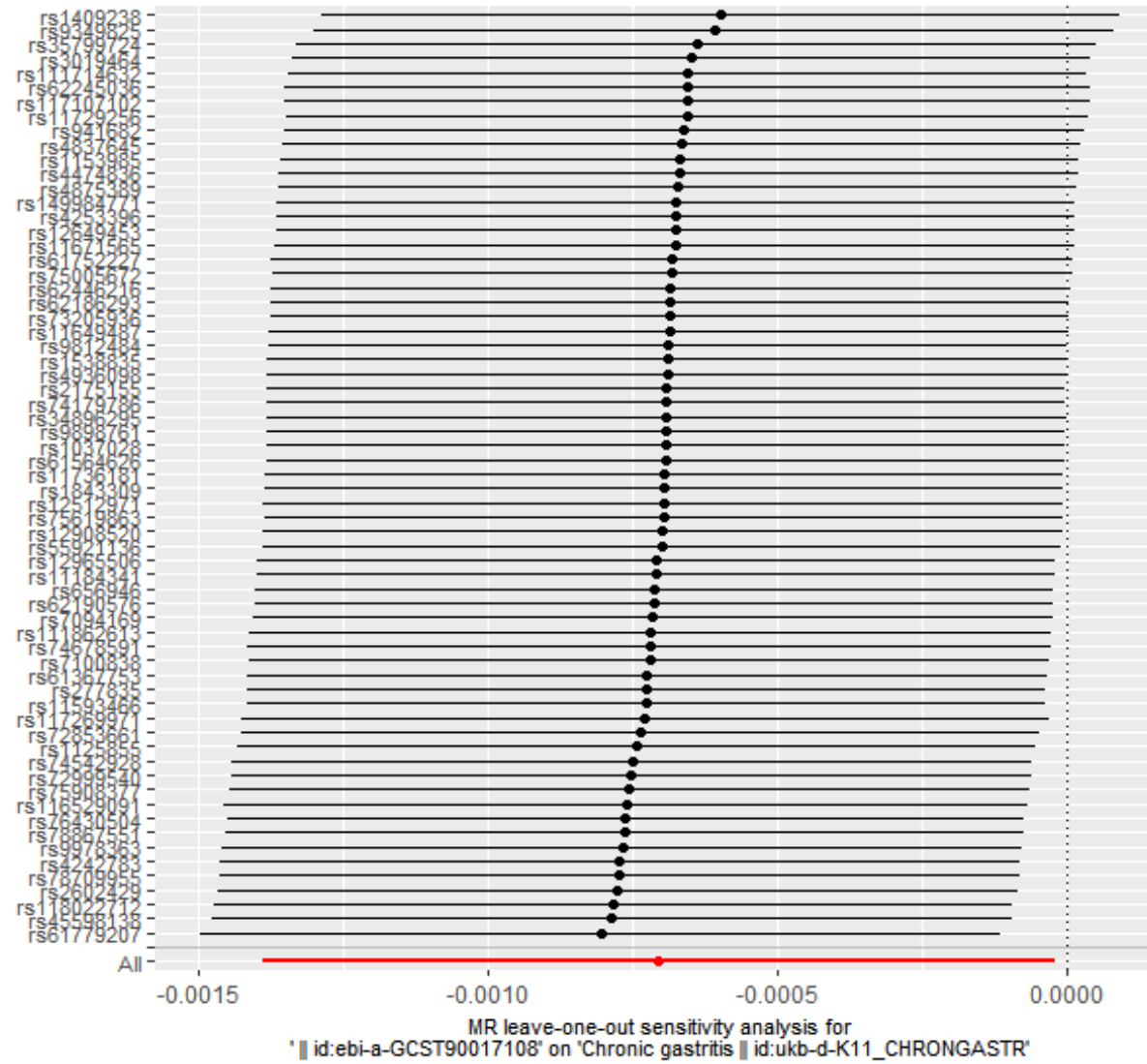
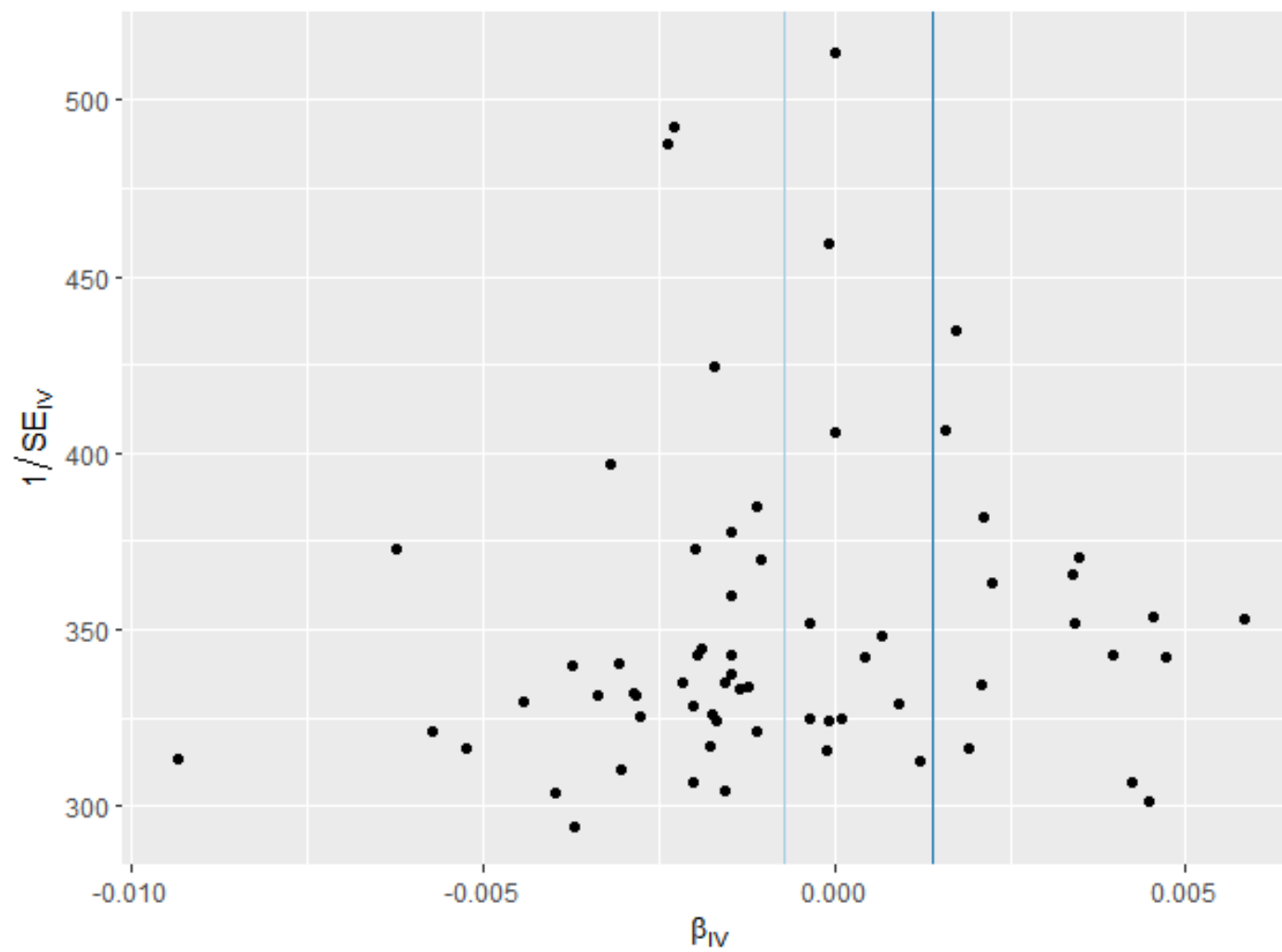


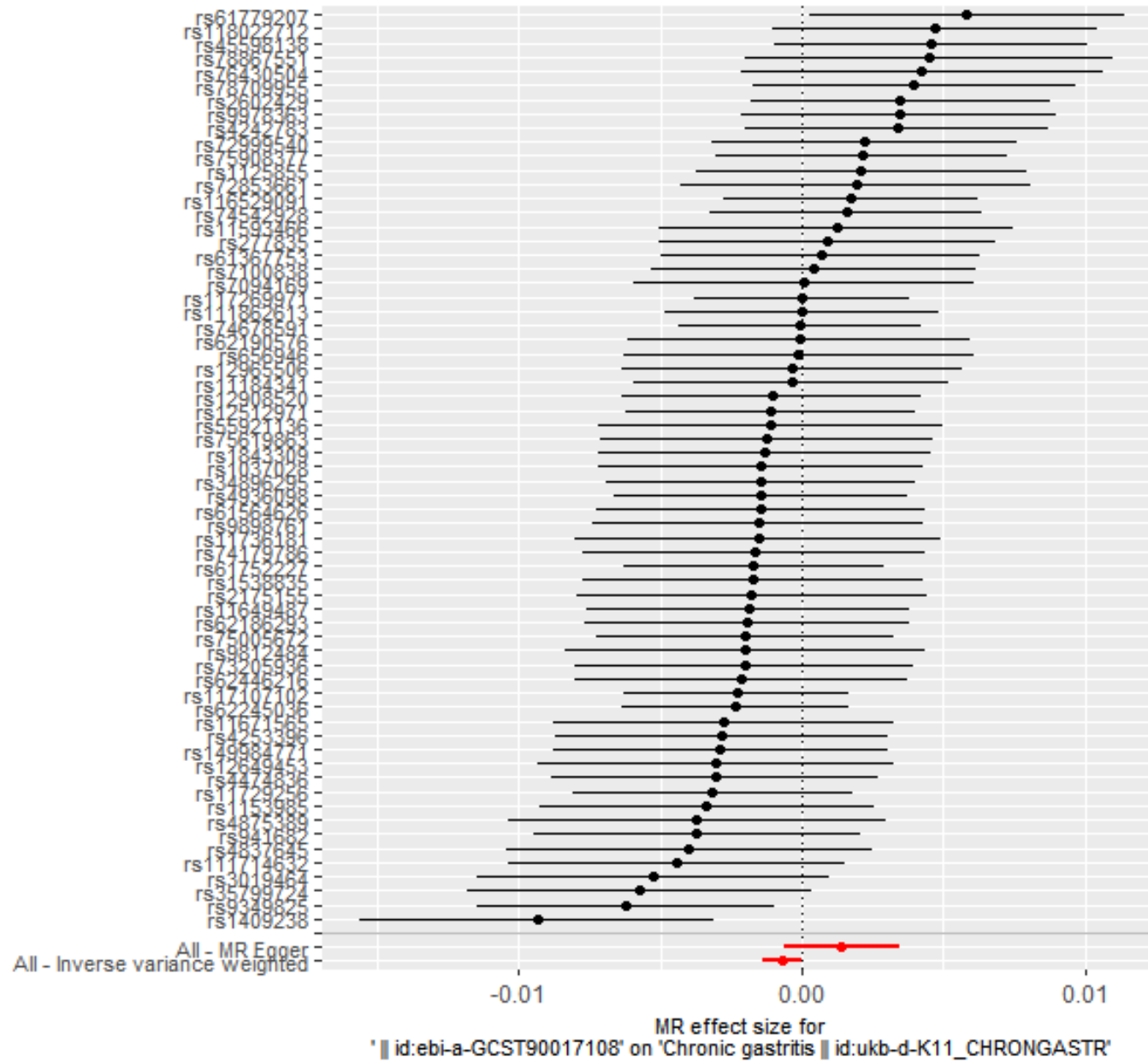
Figure 70 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Verrucomicrobiales id.4030) on chronic gastritis



MR Method

- Inverse variance weighted
- MR Egger





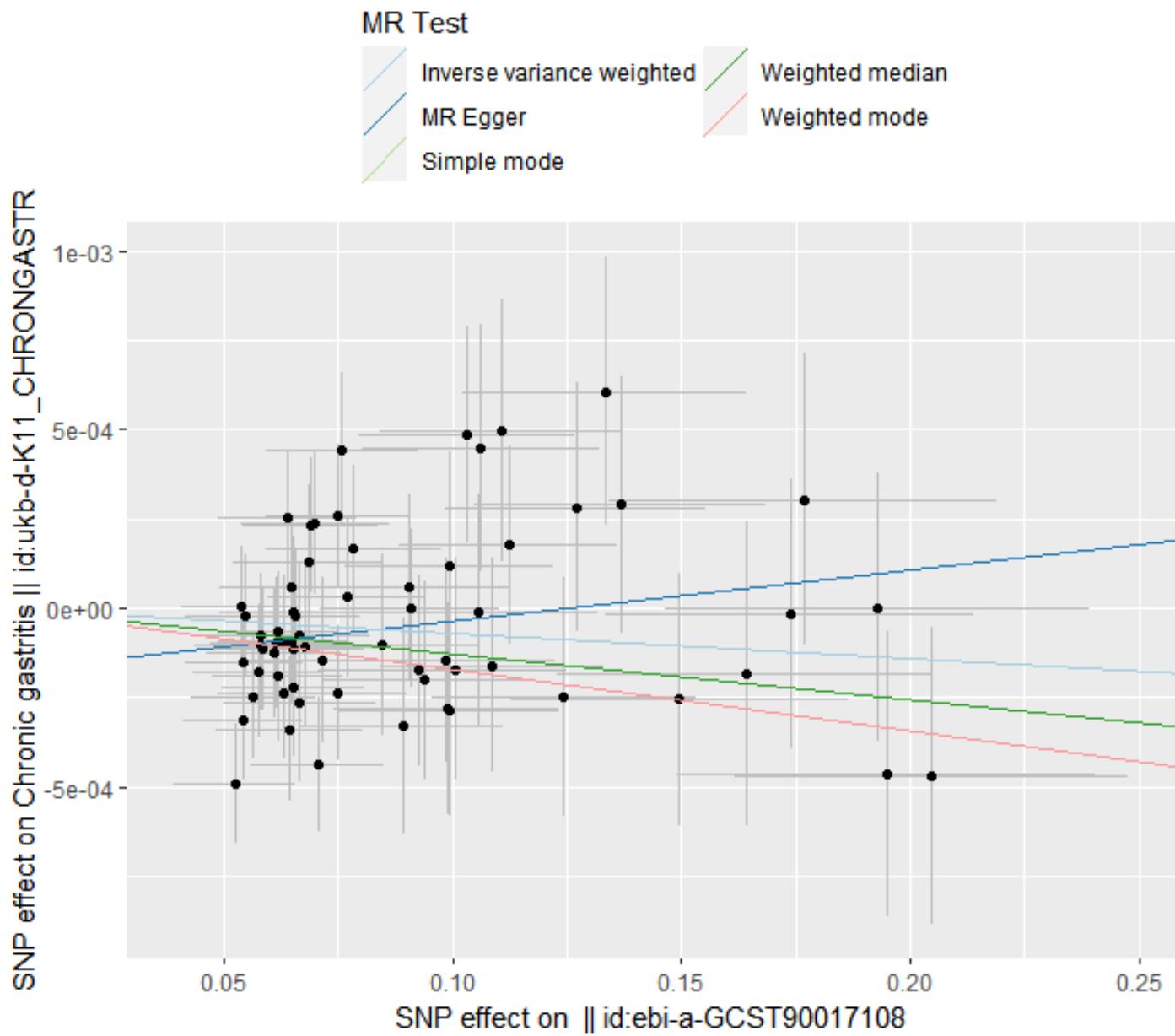
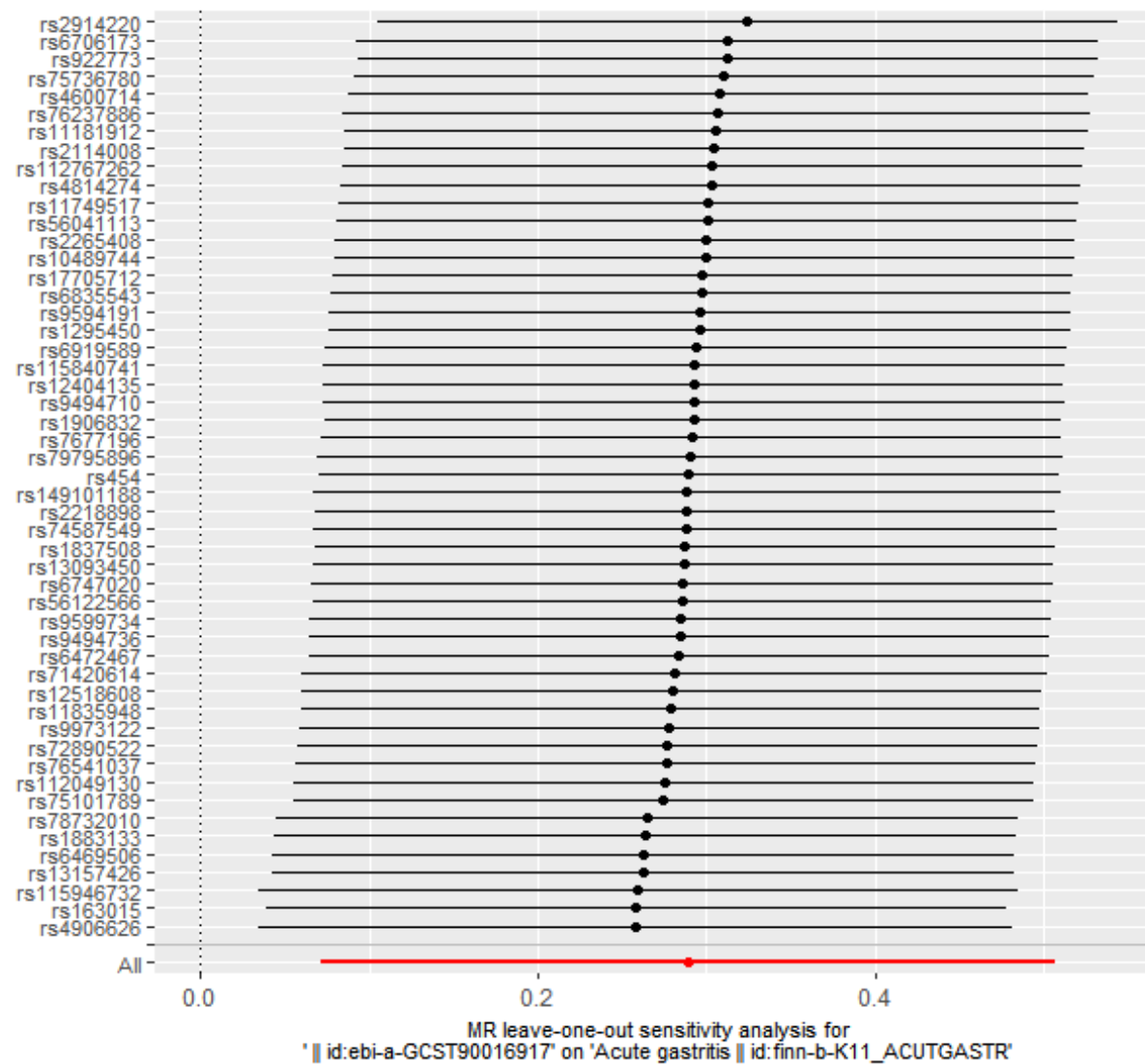
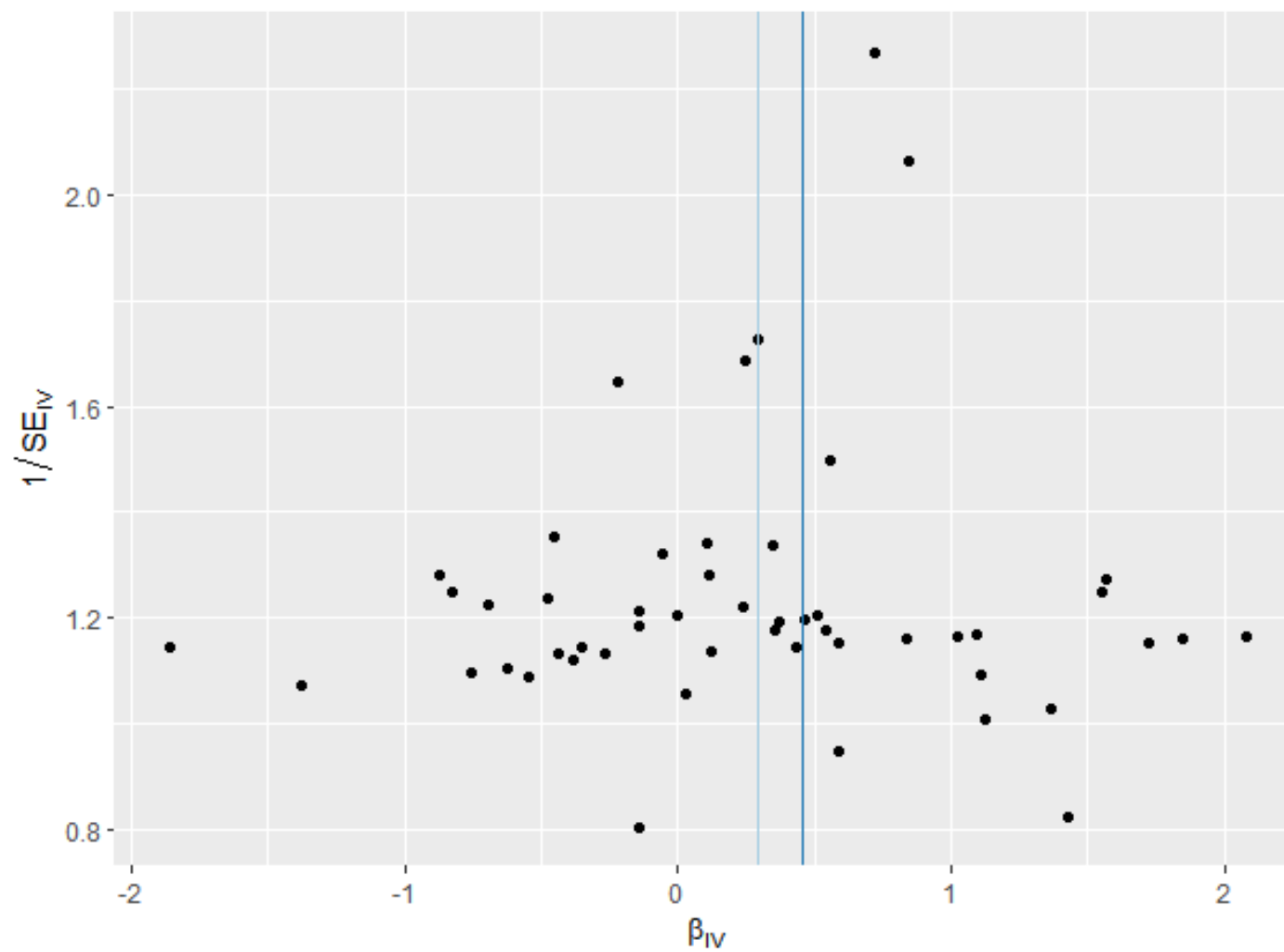


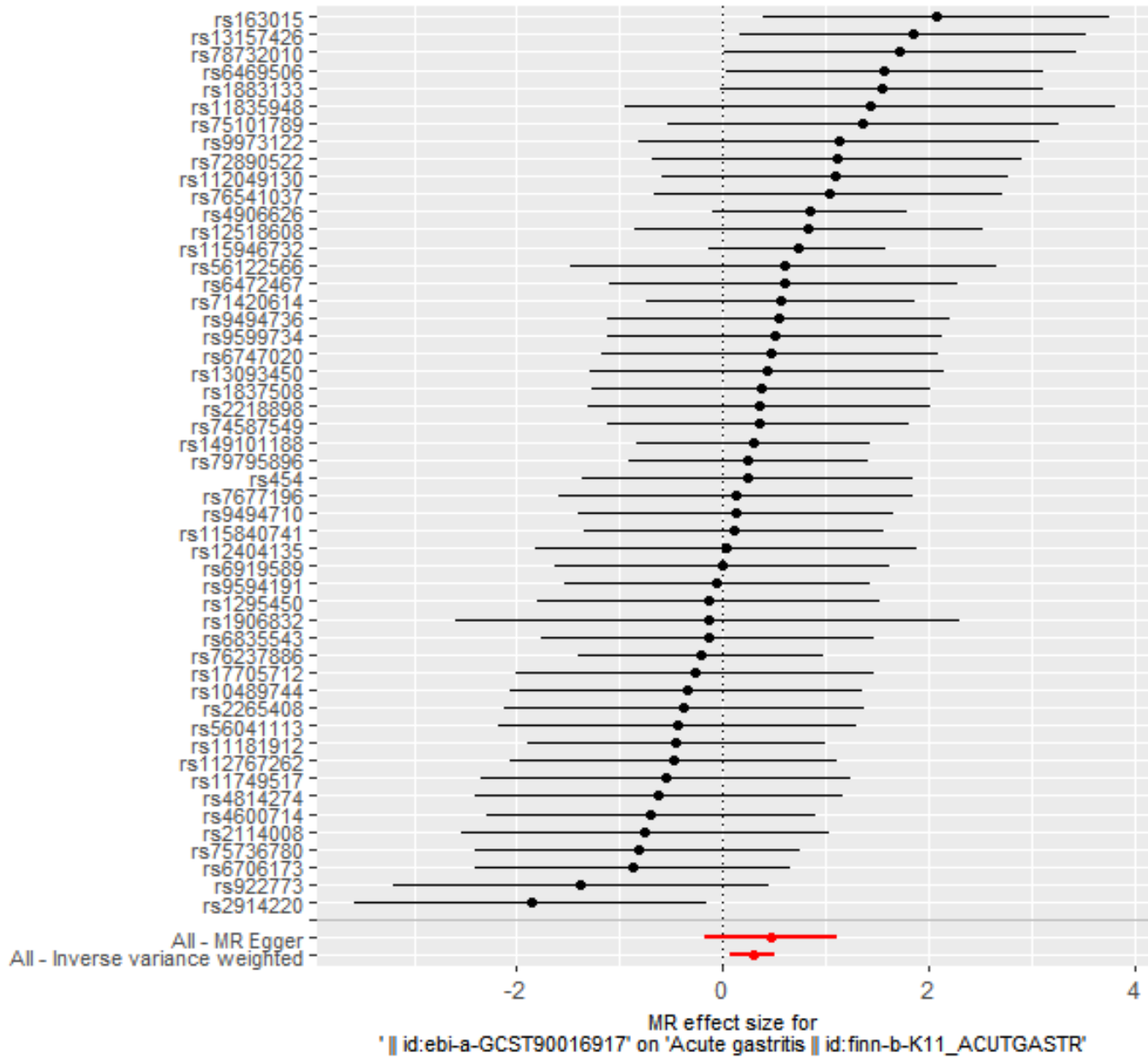
Figure 71 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Gammaproteobacteria id.3303) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

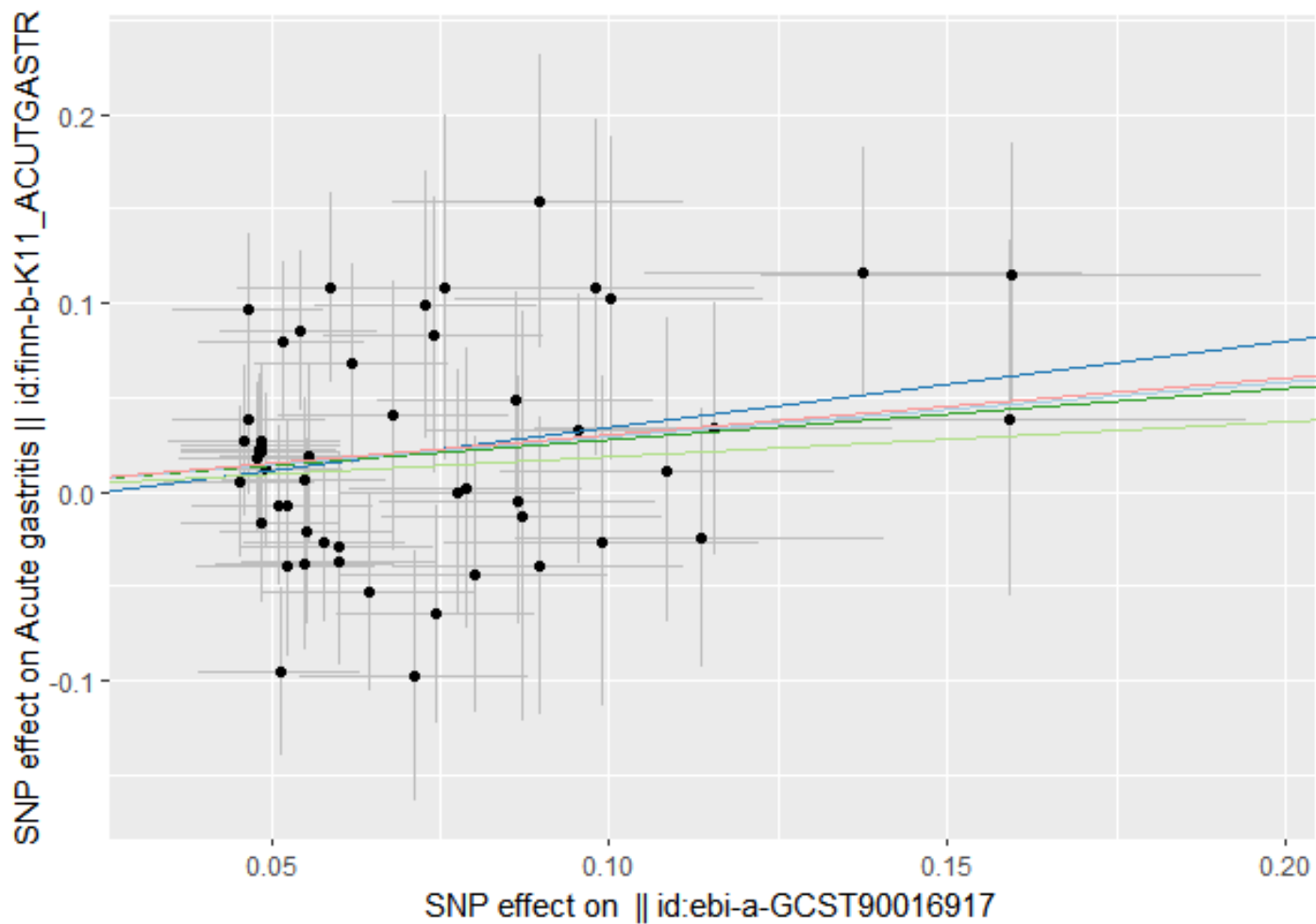
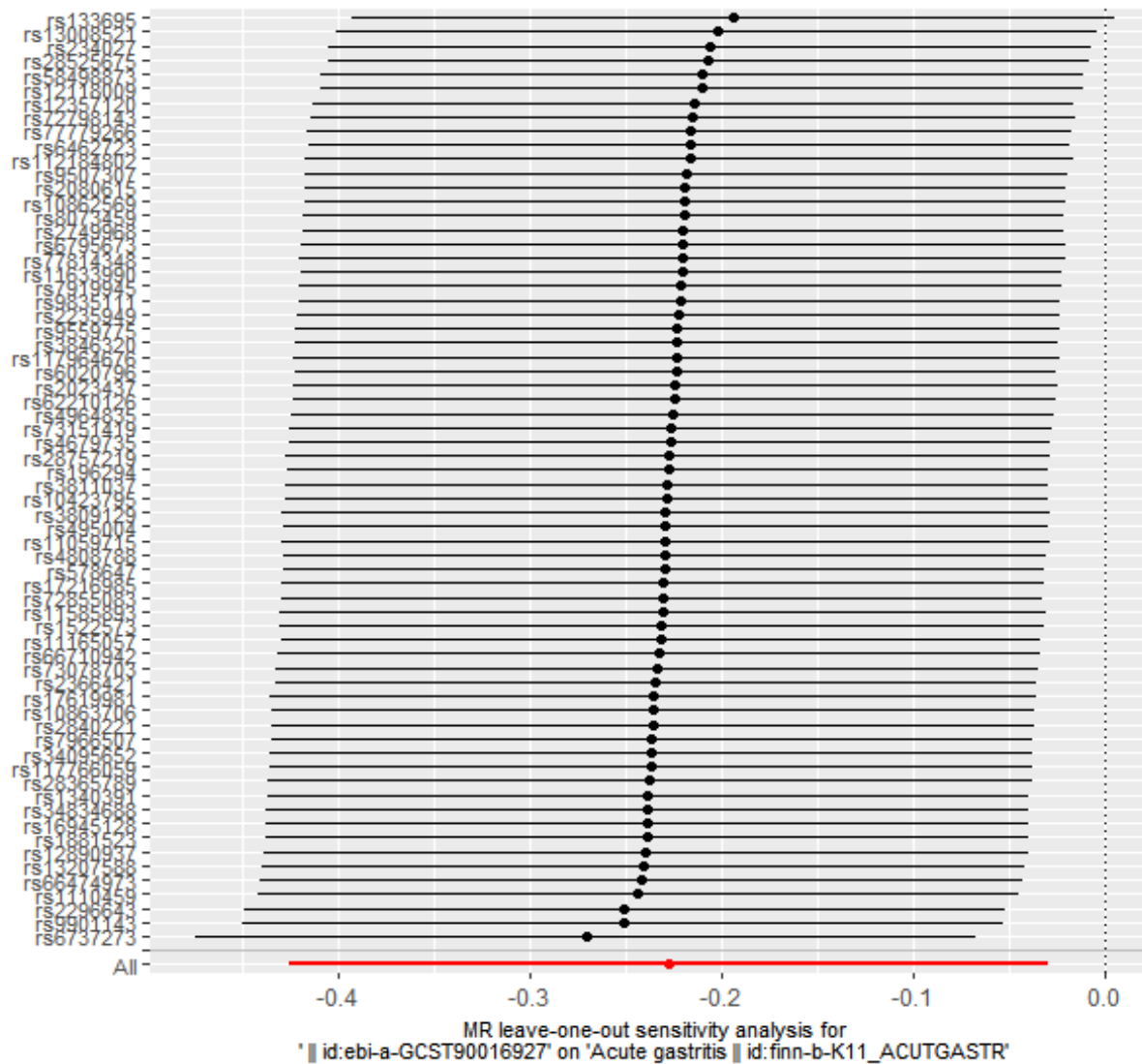
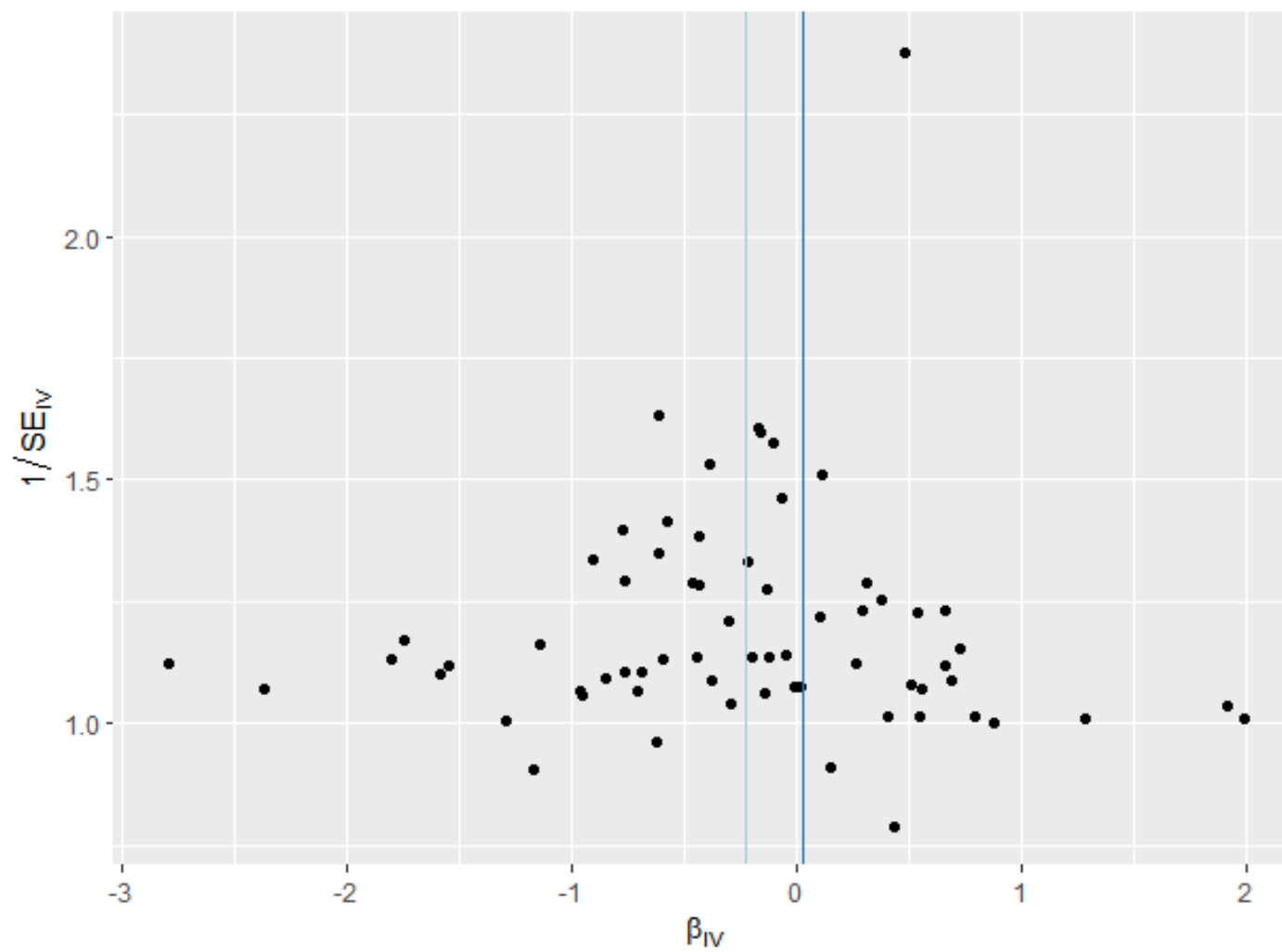


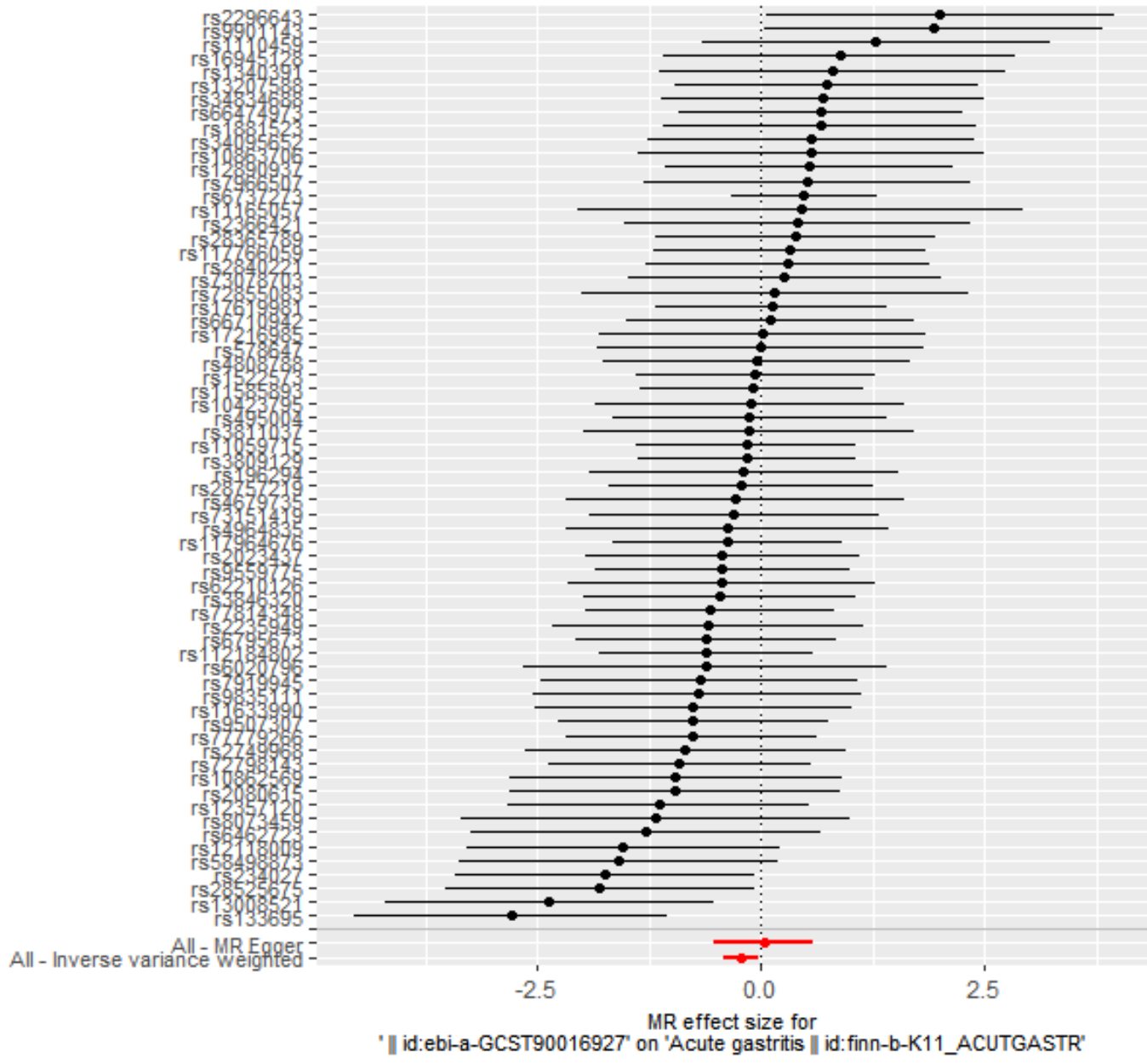
Figure 72 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Bacteroidaceae id.917) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

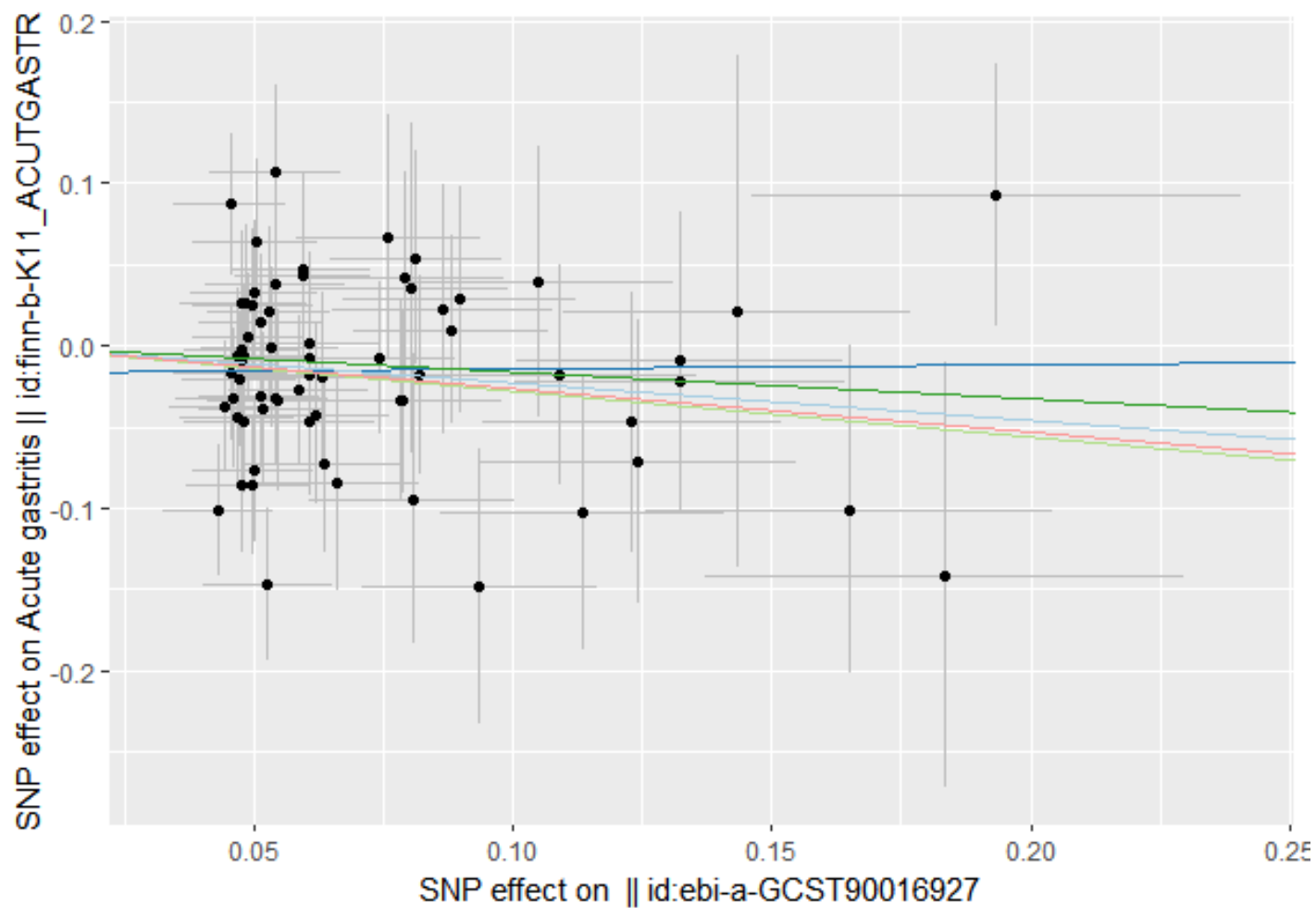
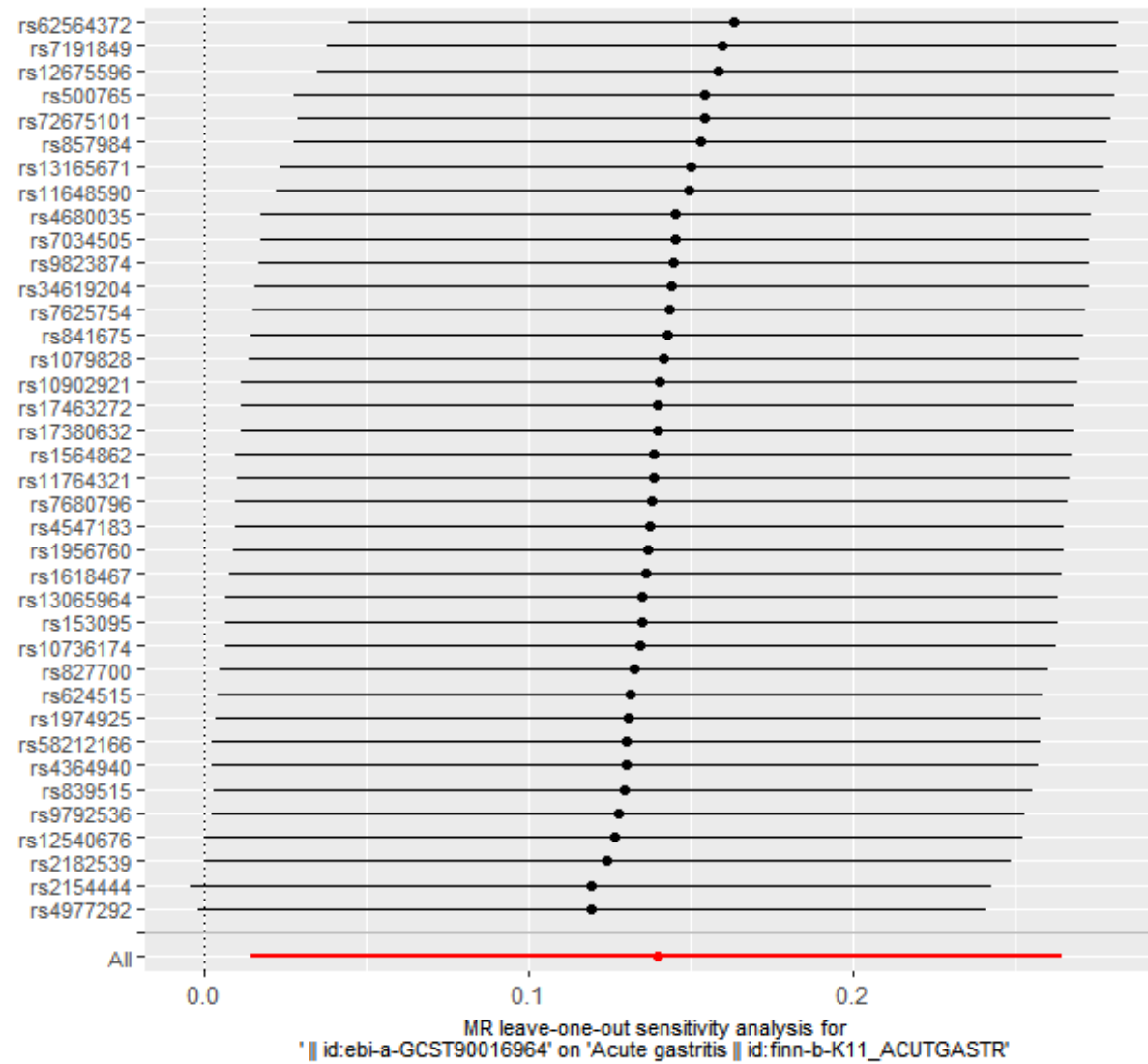
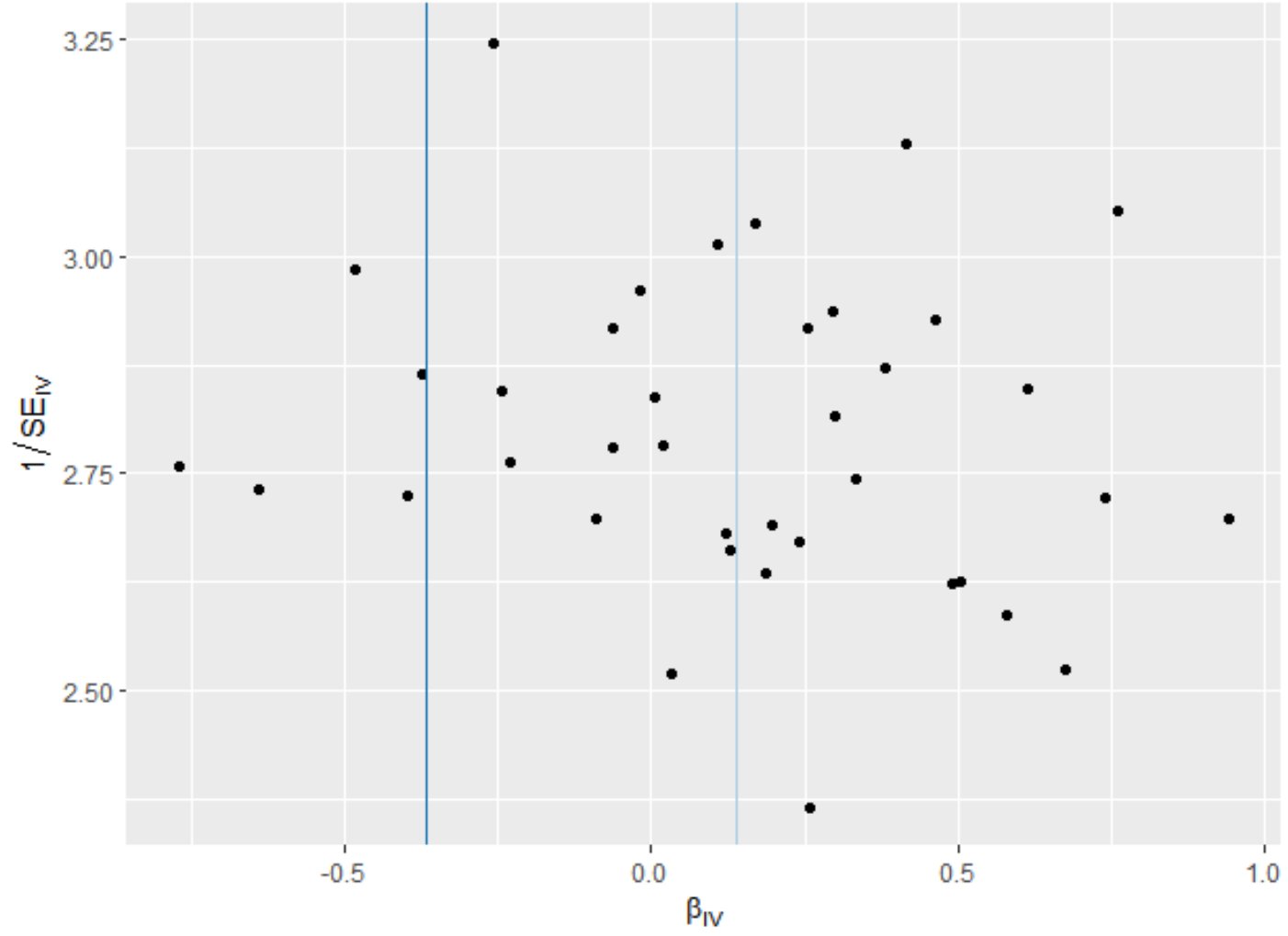


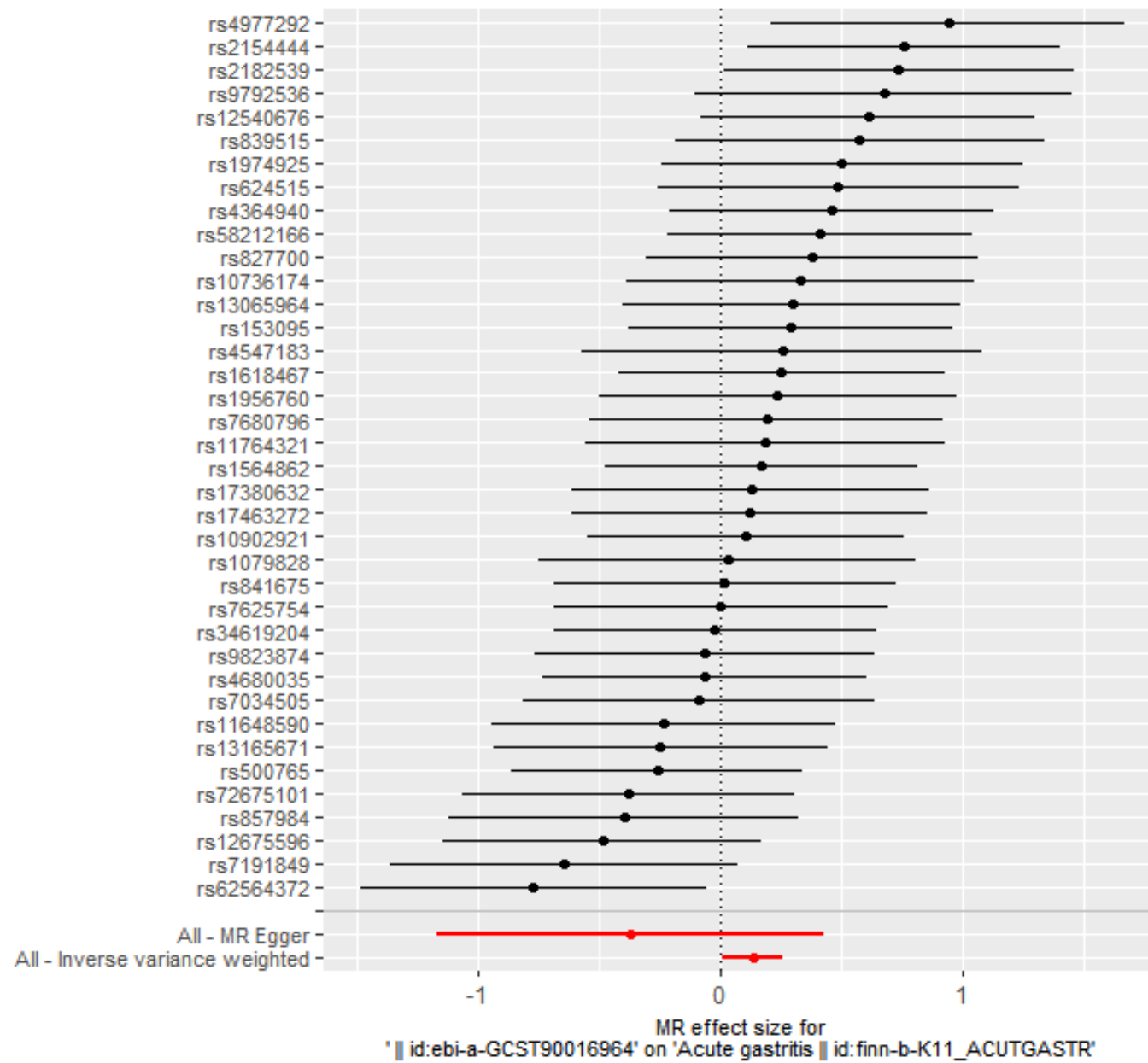
Figure 73 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Alloprevotella* id.961) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

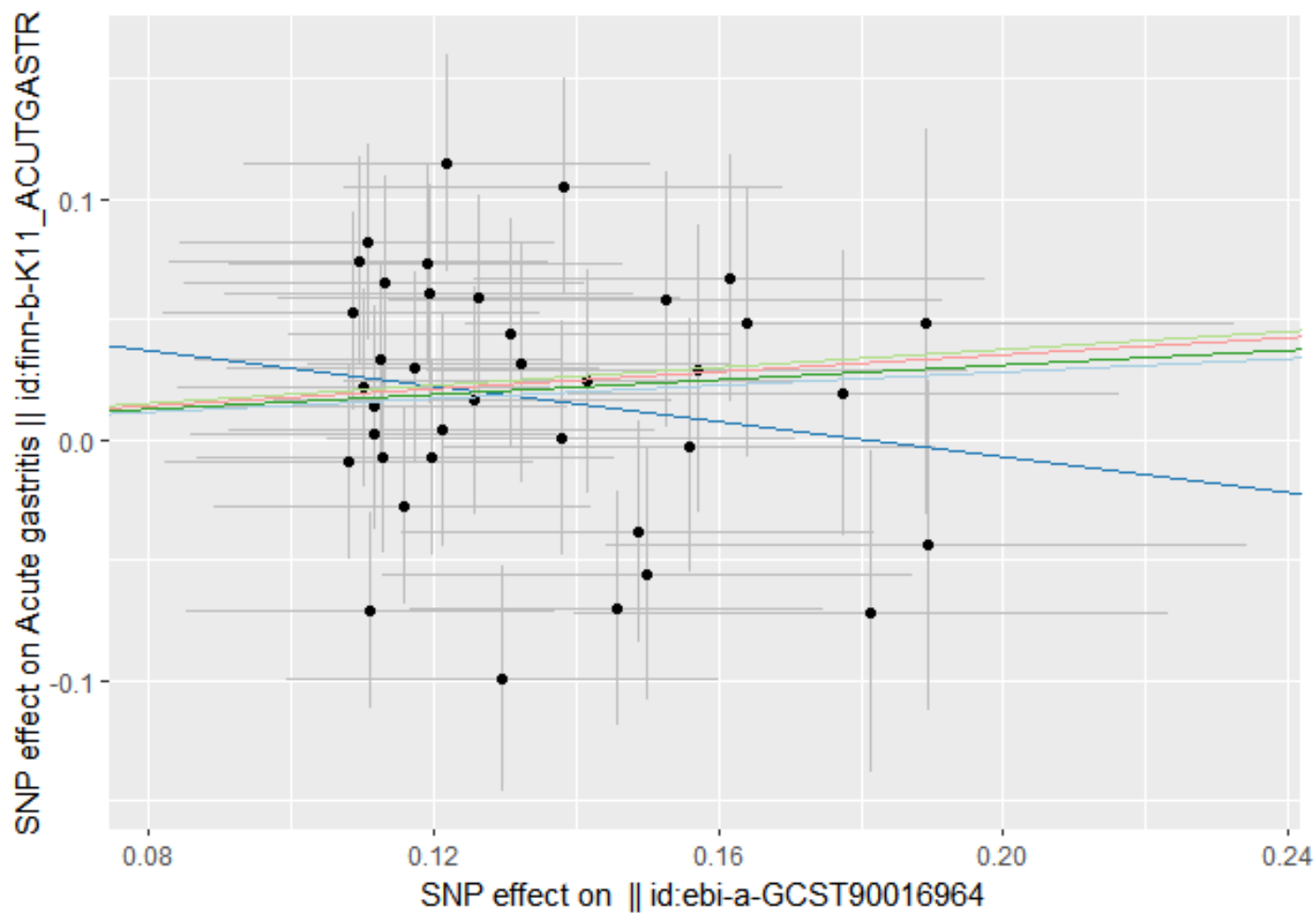
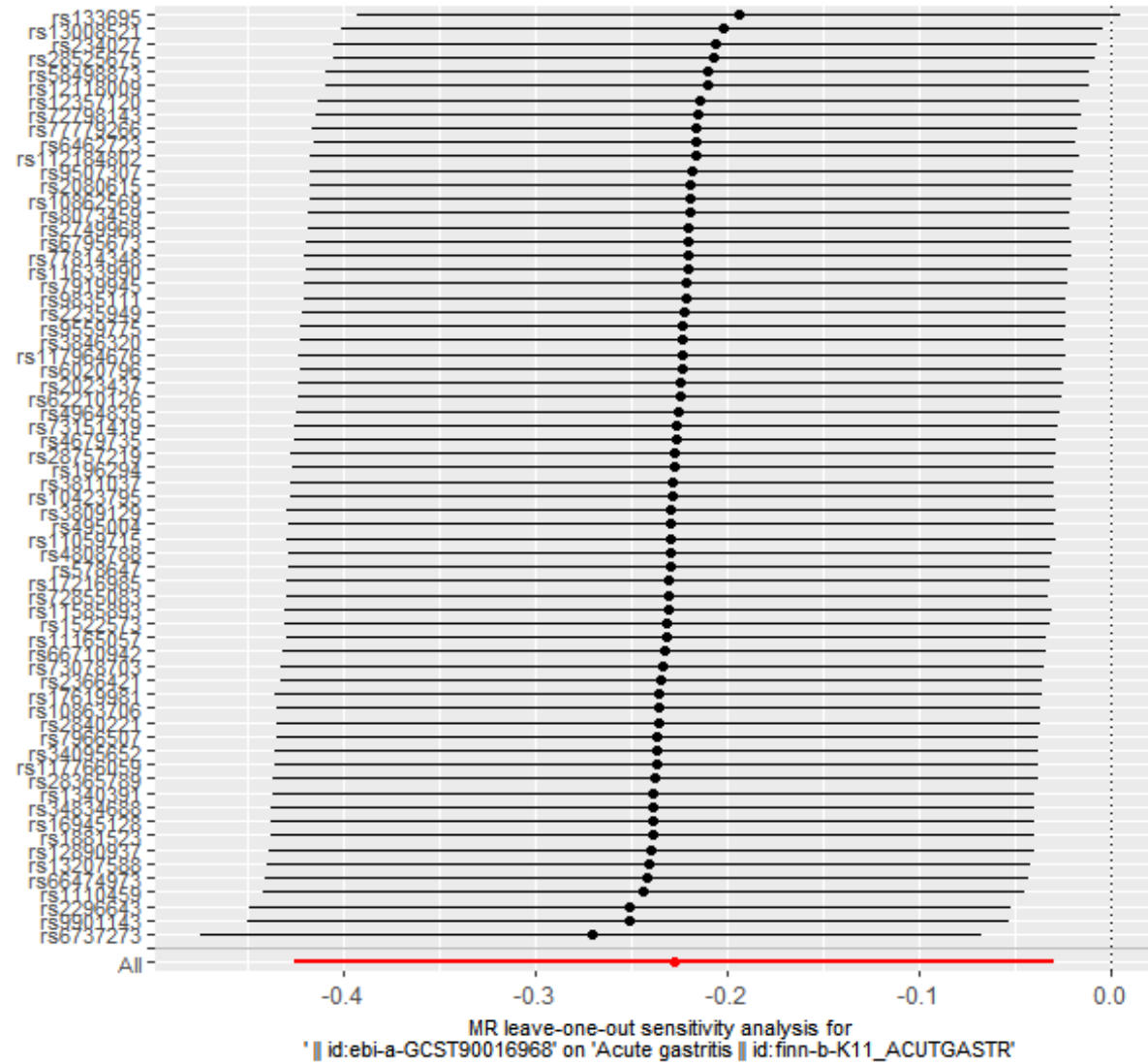
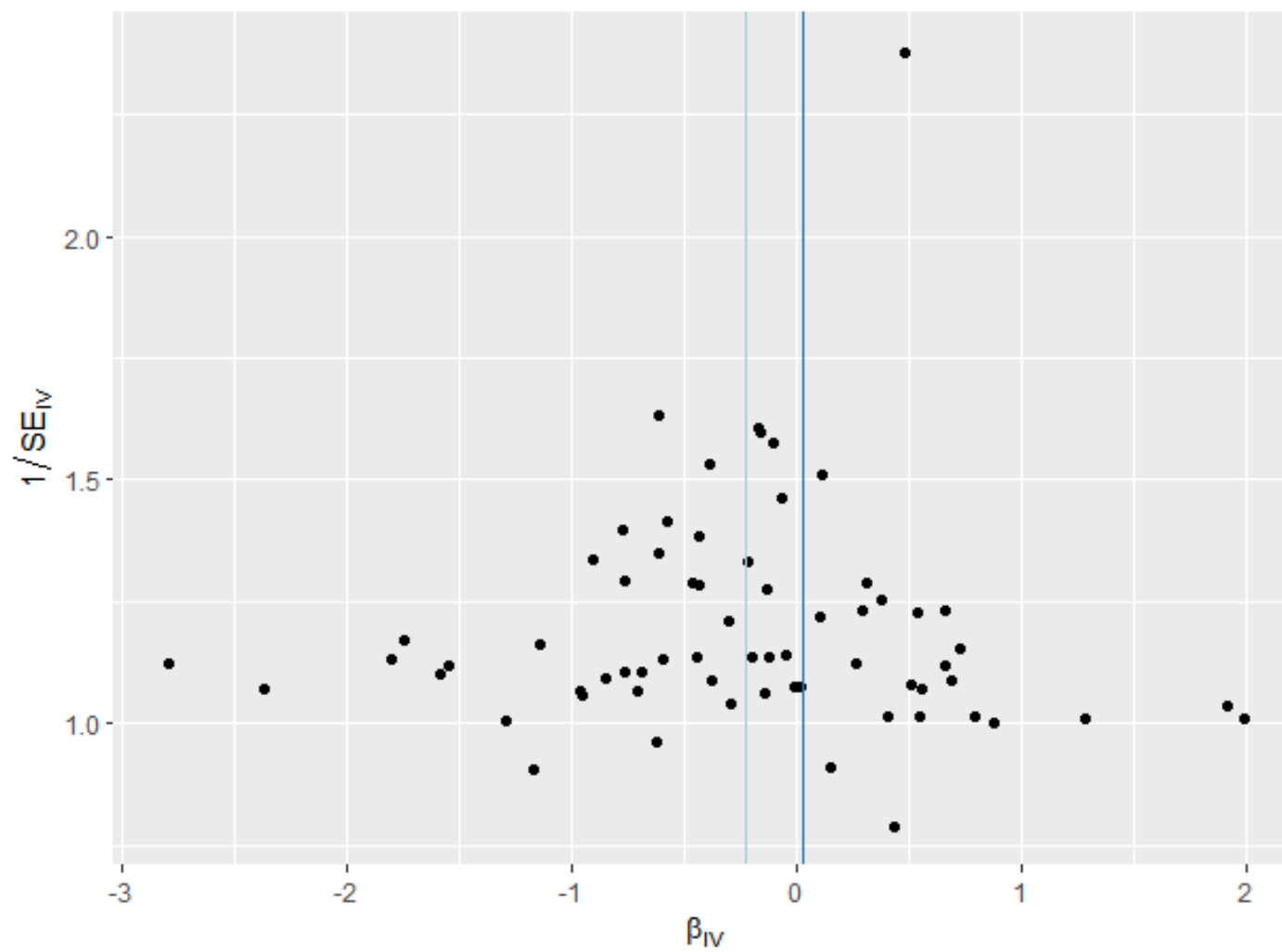


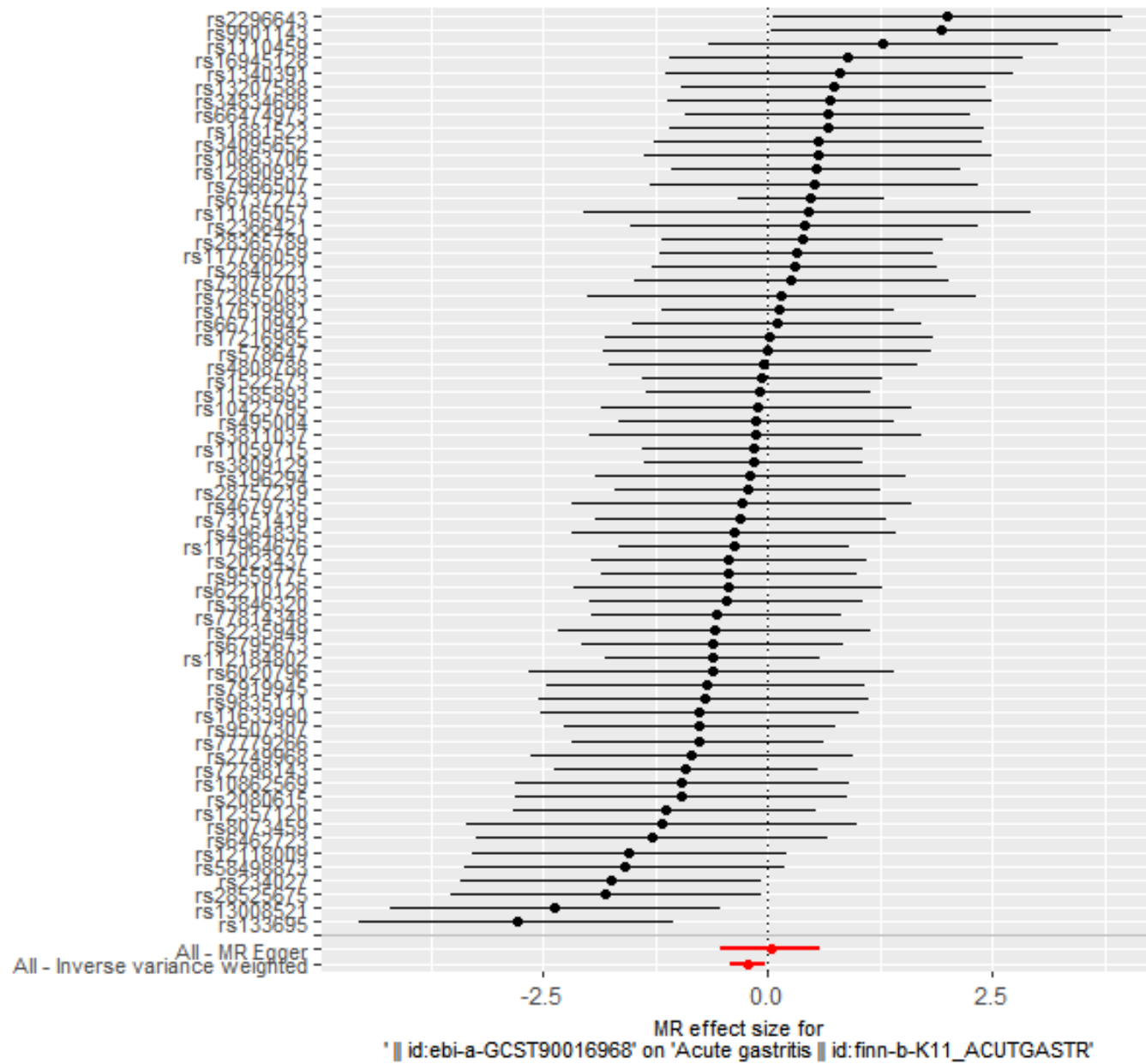
Figure 74 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Bacteroides id.918) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

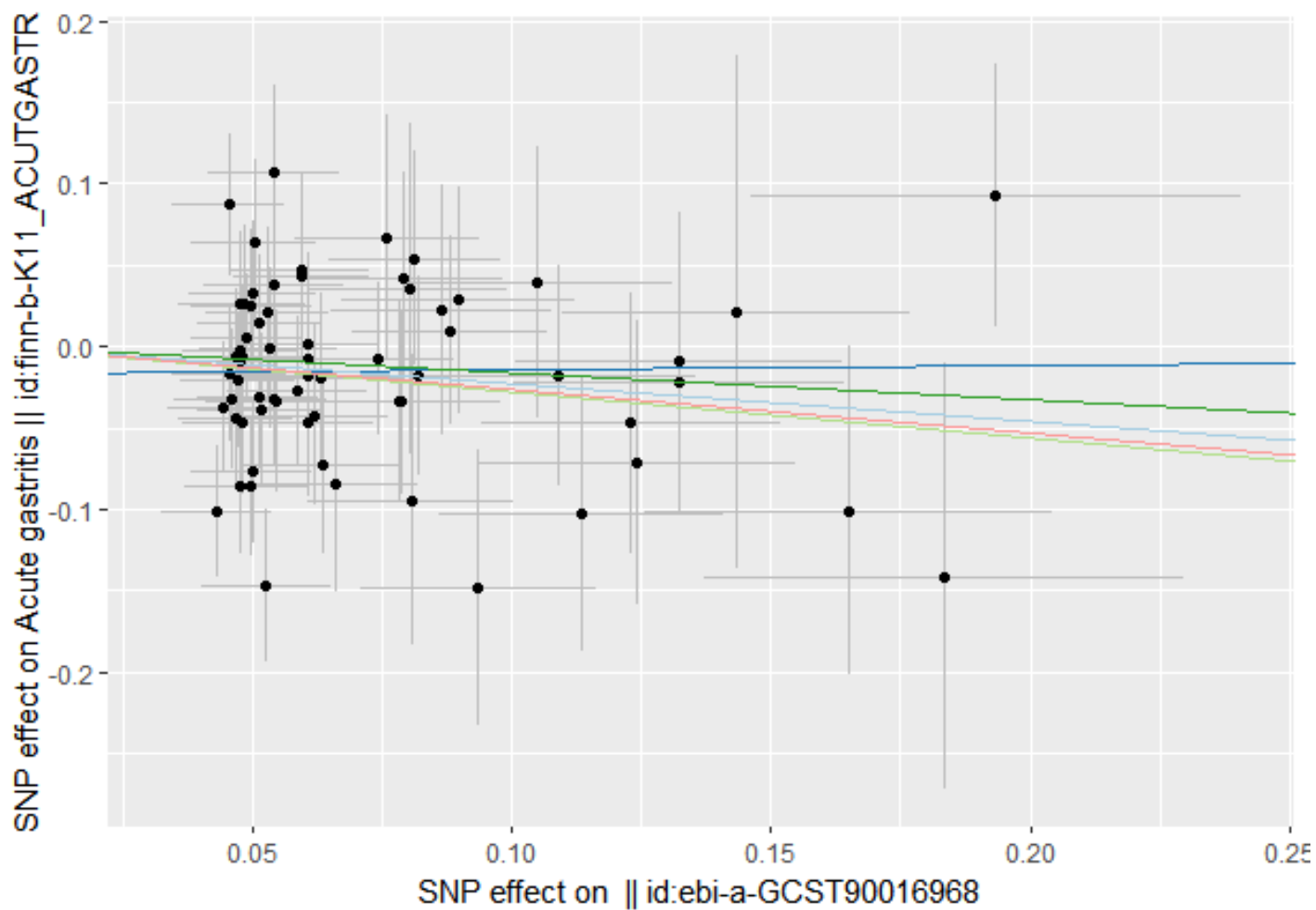
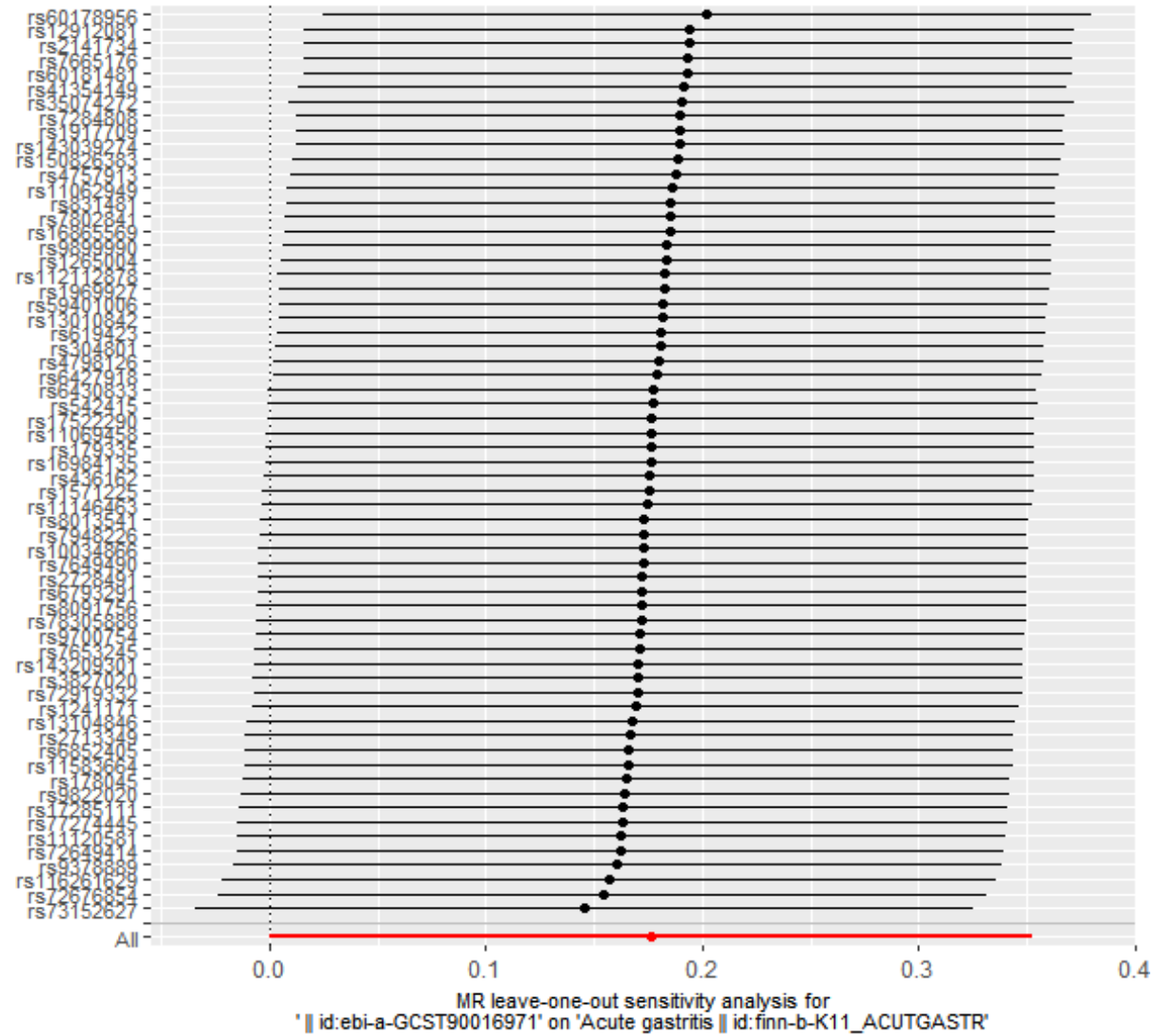
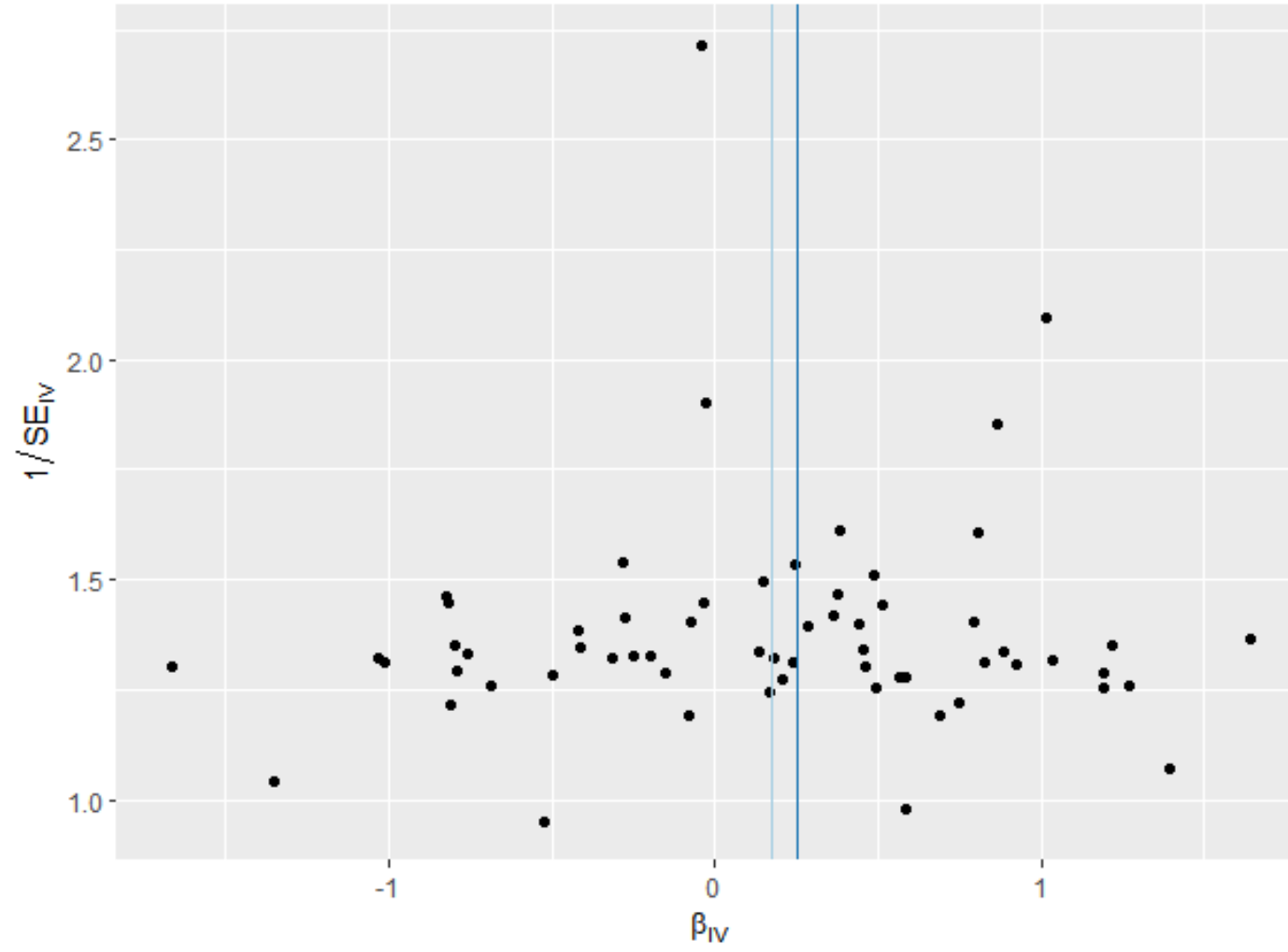


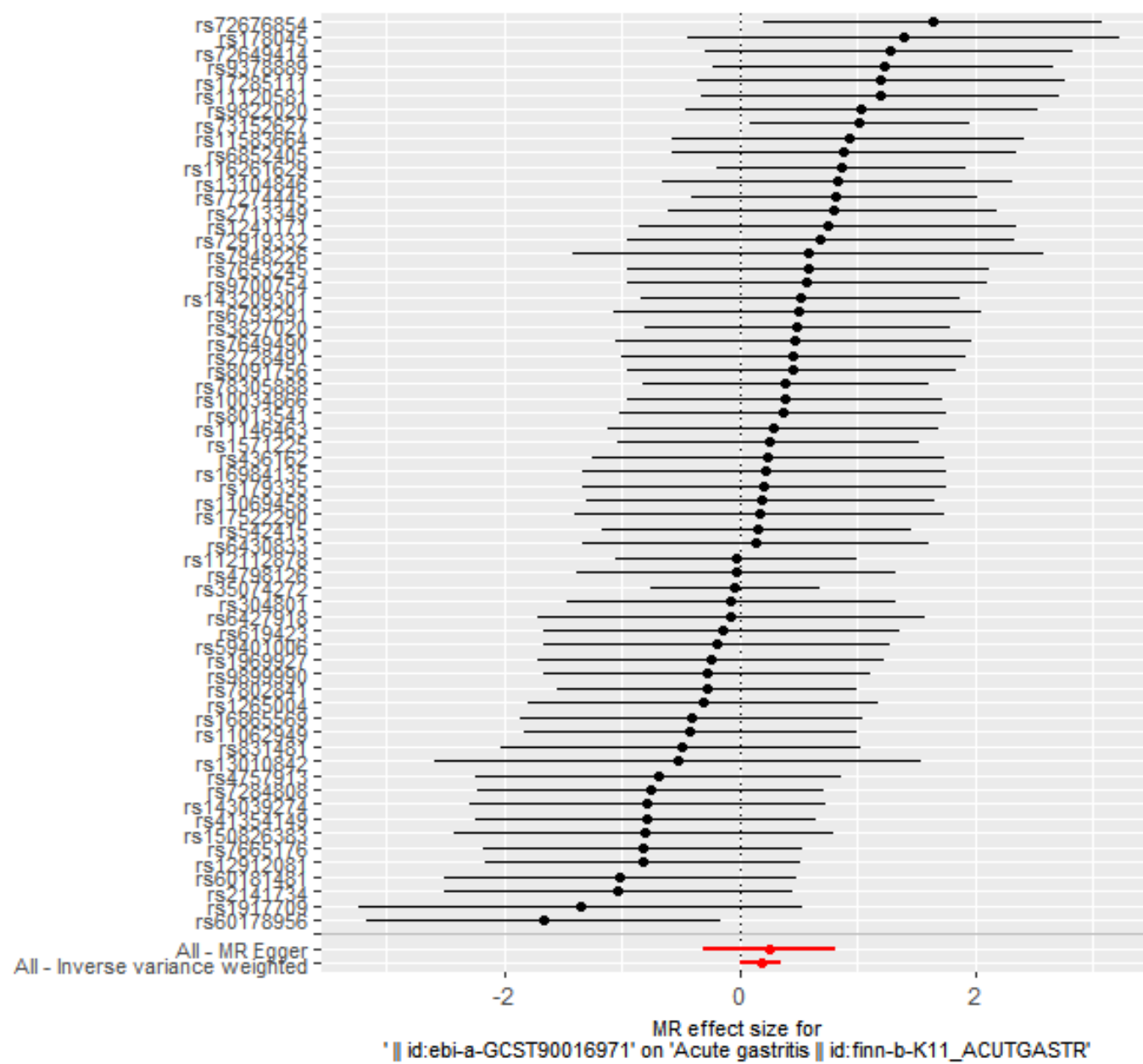
Figure 75 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Bilophila* id.3170) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

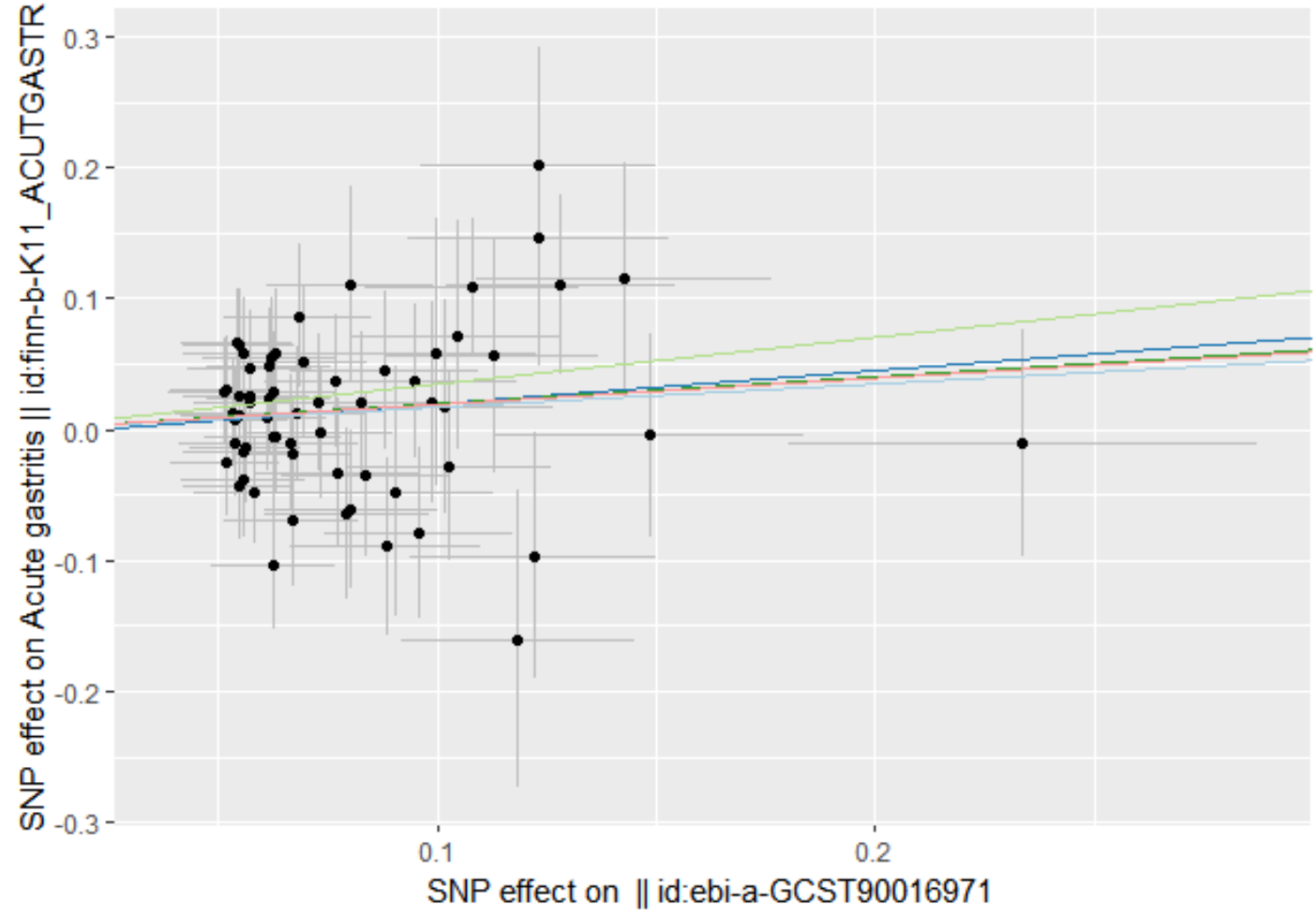
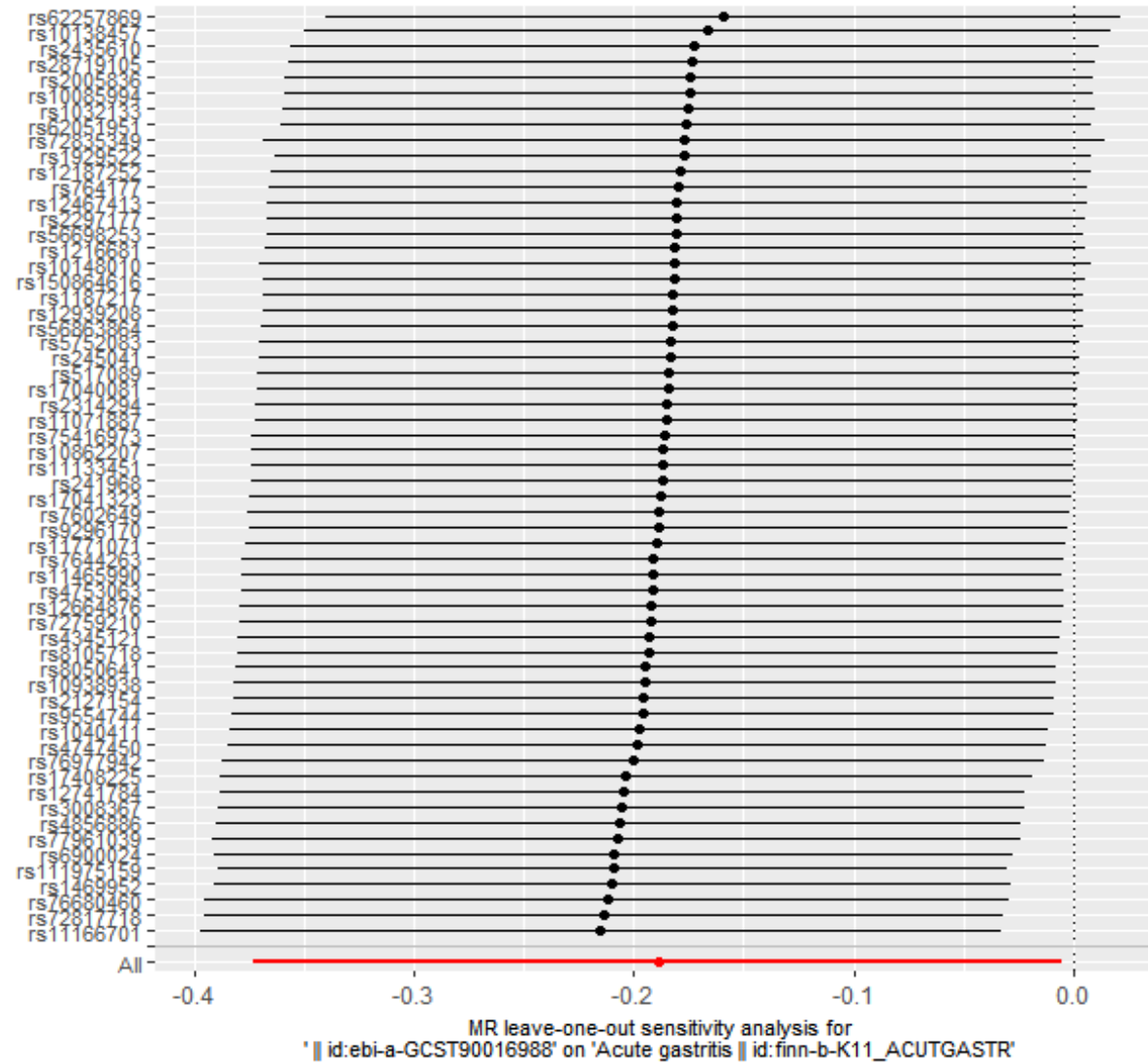
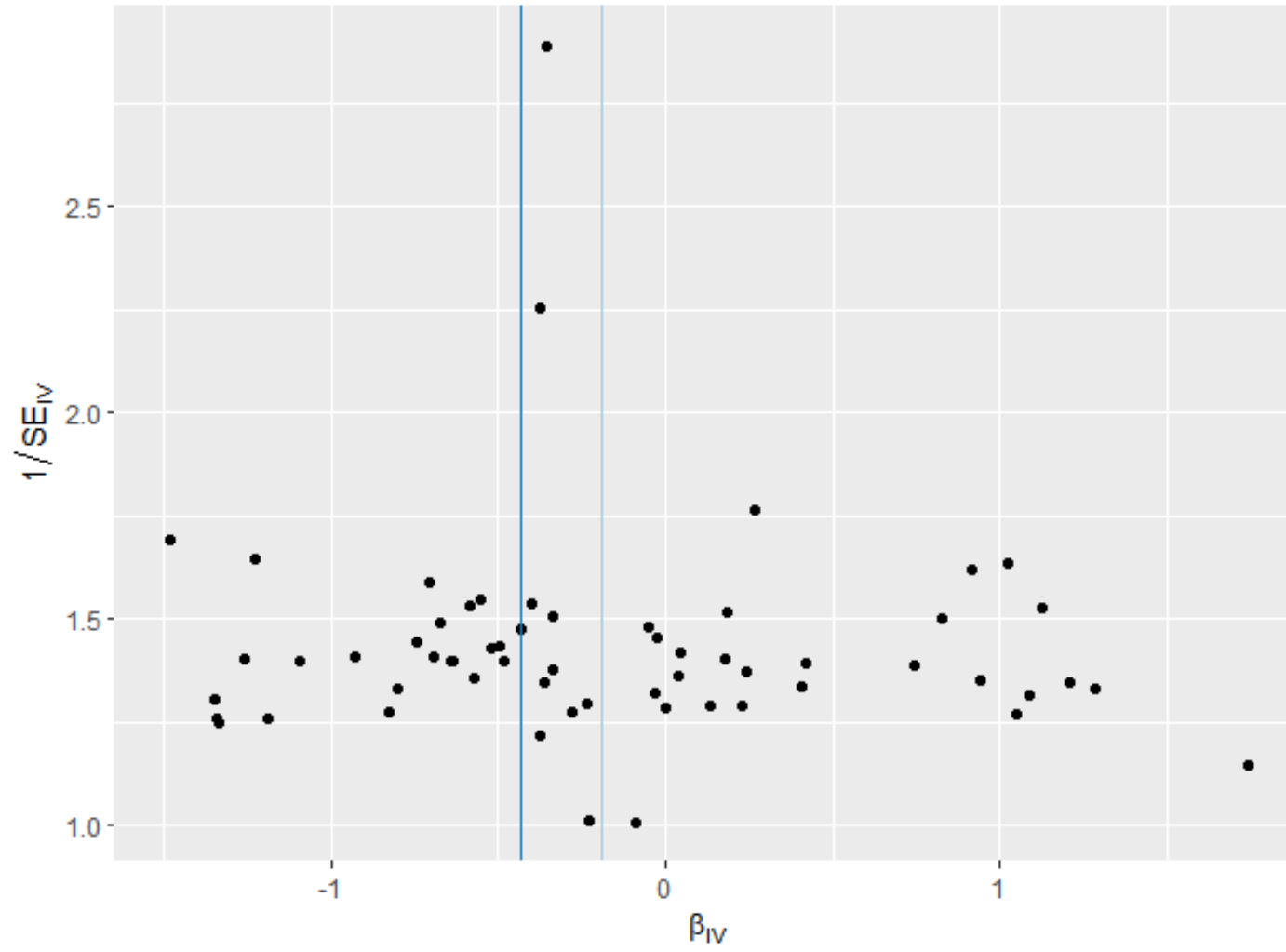


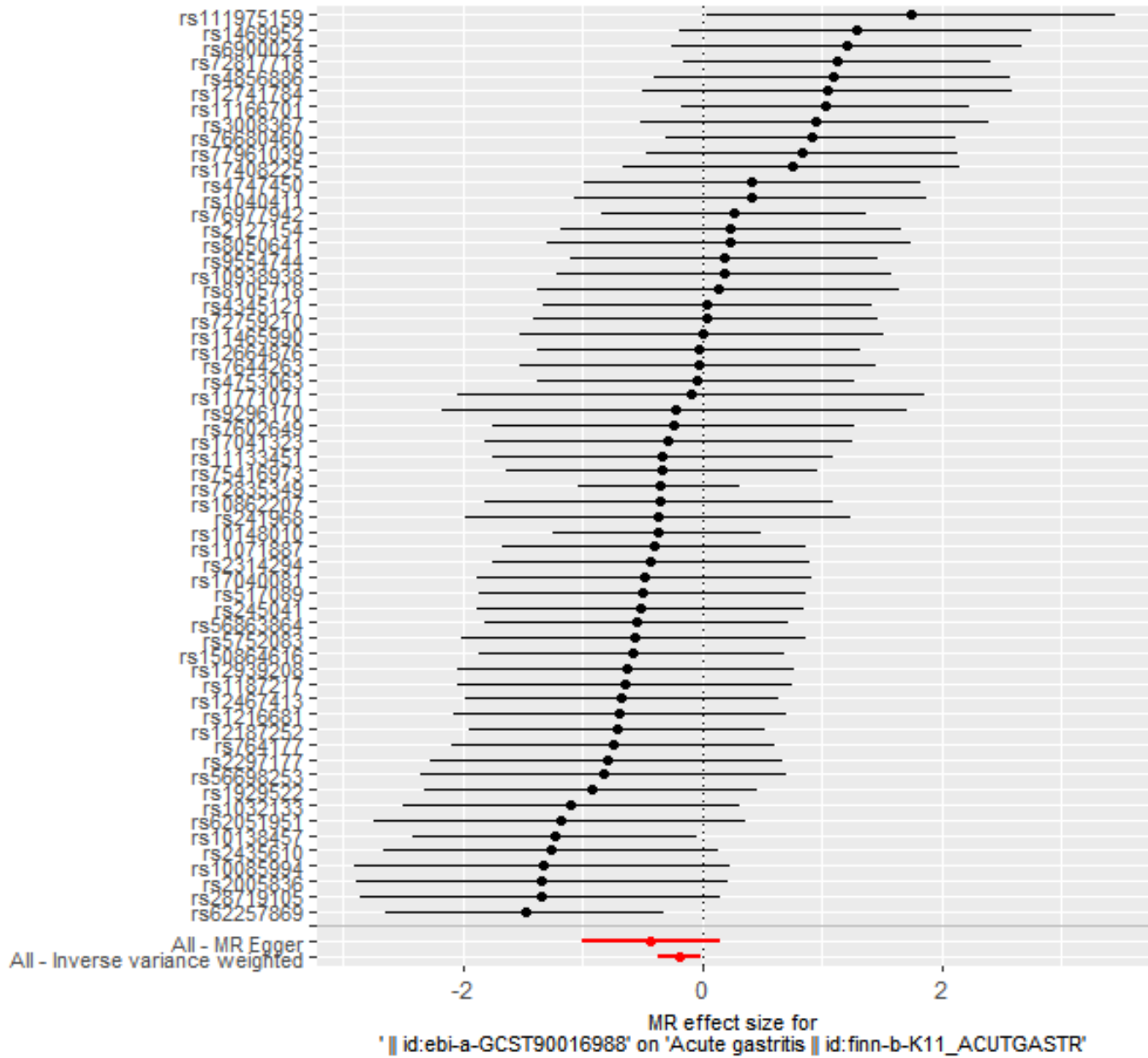
Figure 76 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Dialister* id.2183) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

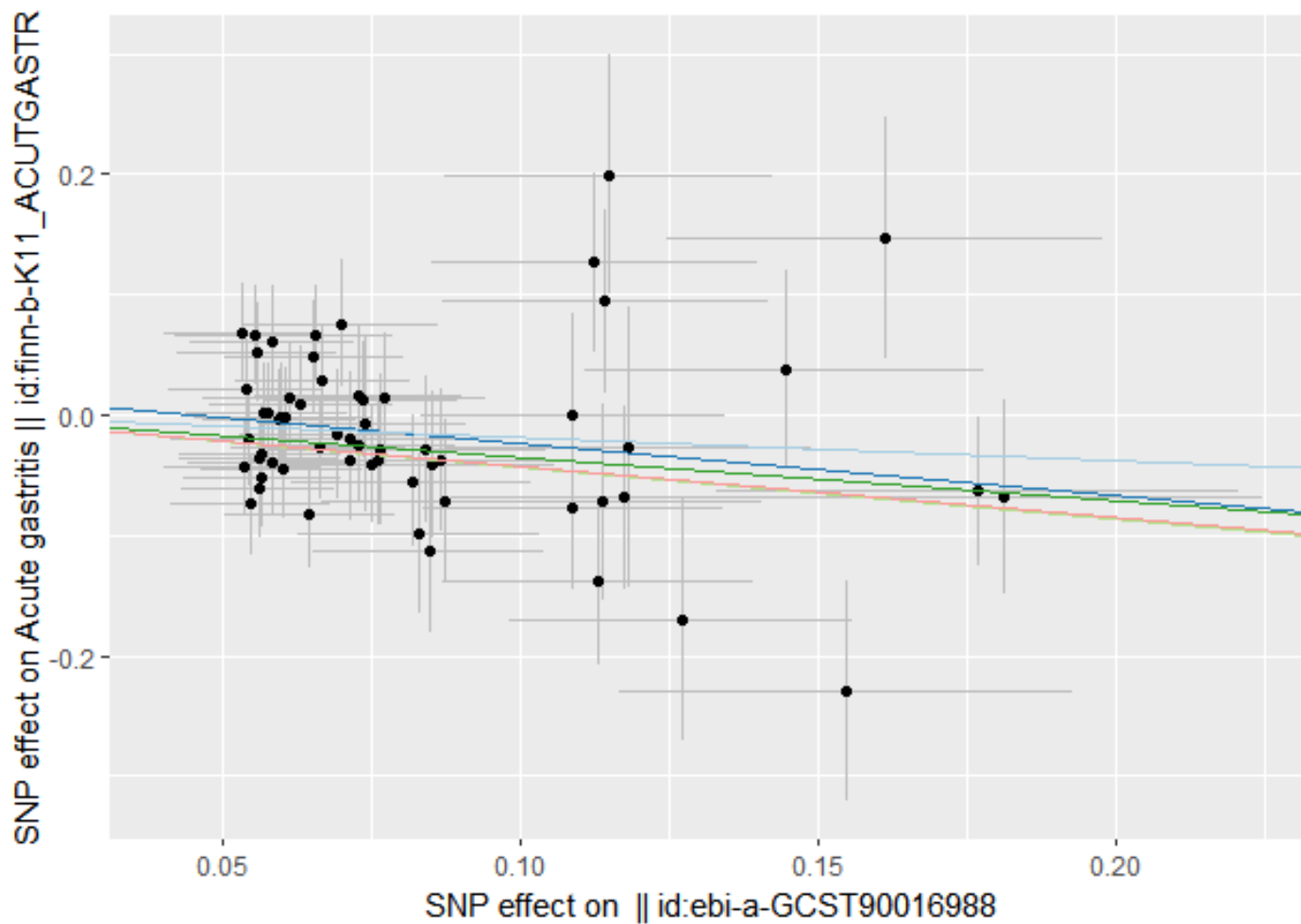
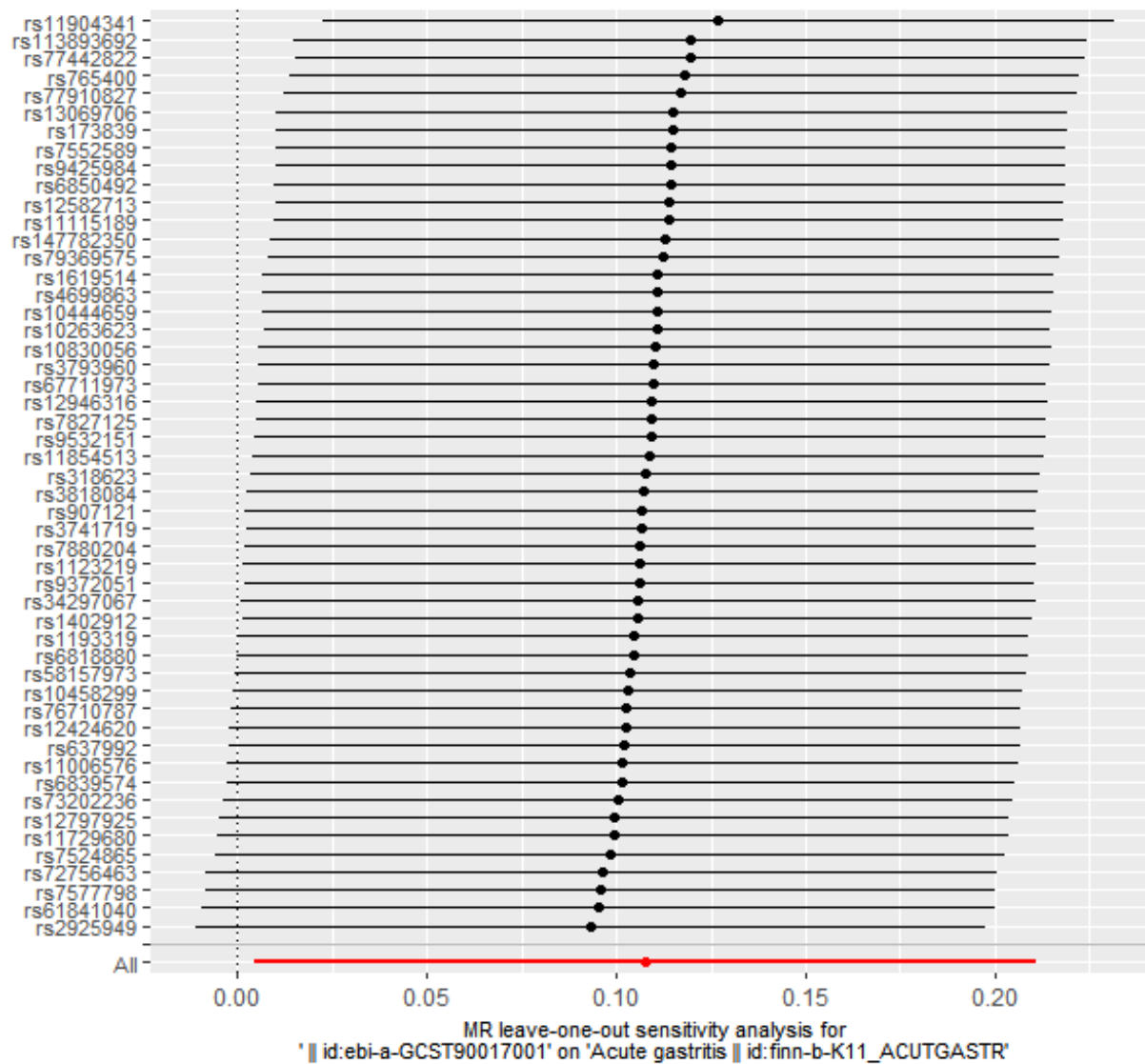
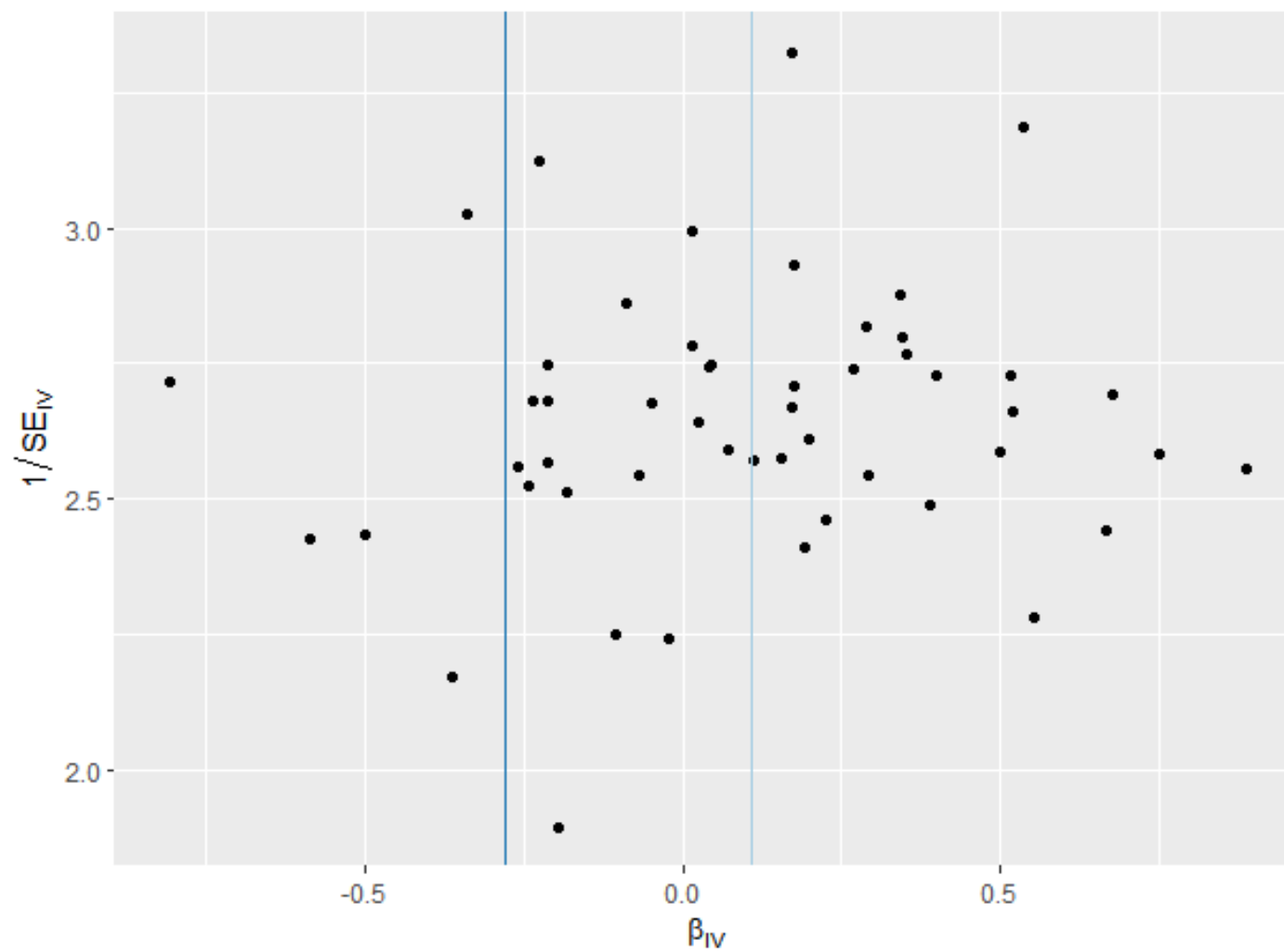


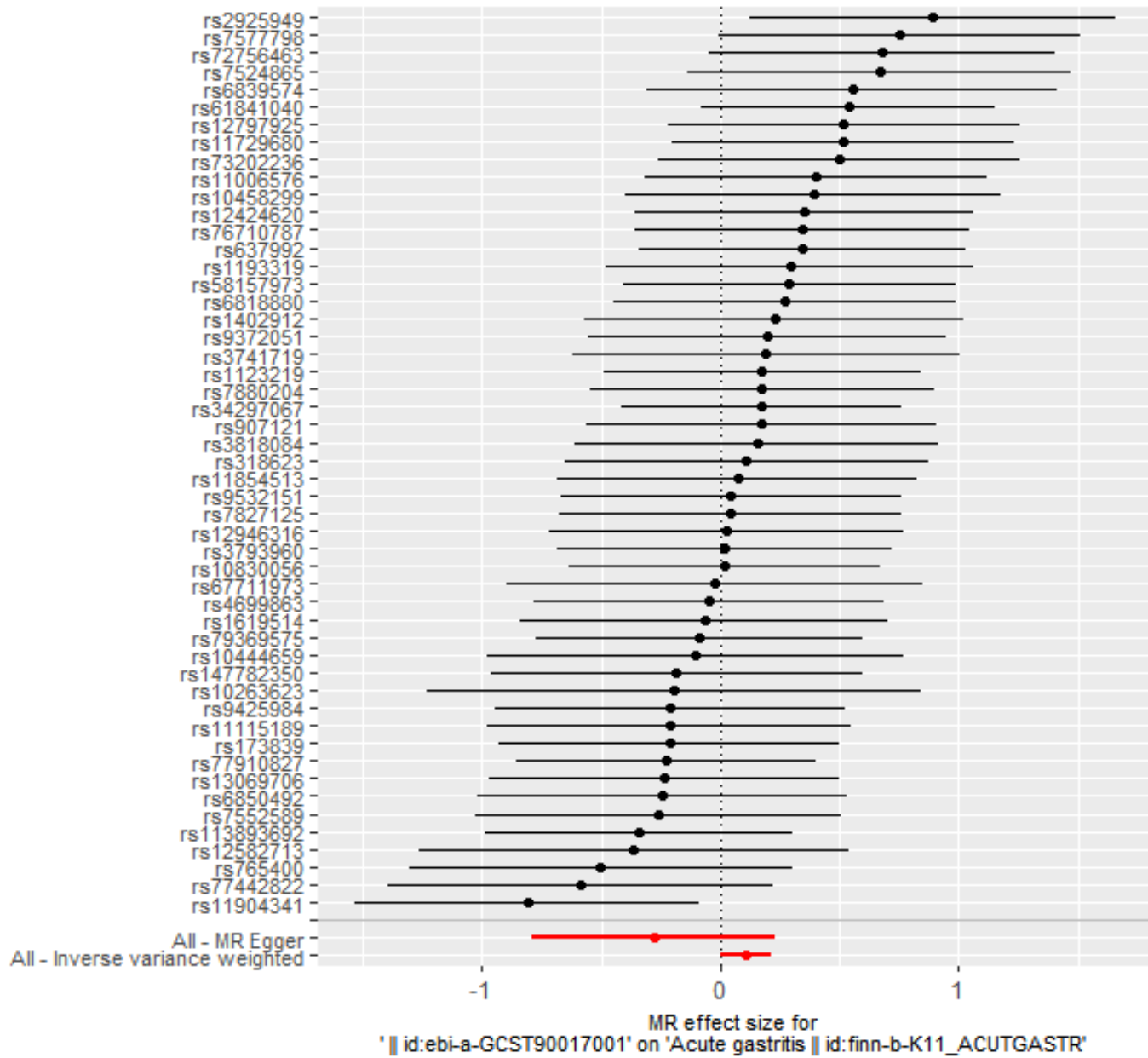
Figure 77 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium nodatum* group id.11297) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

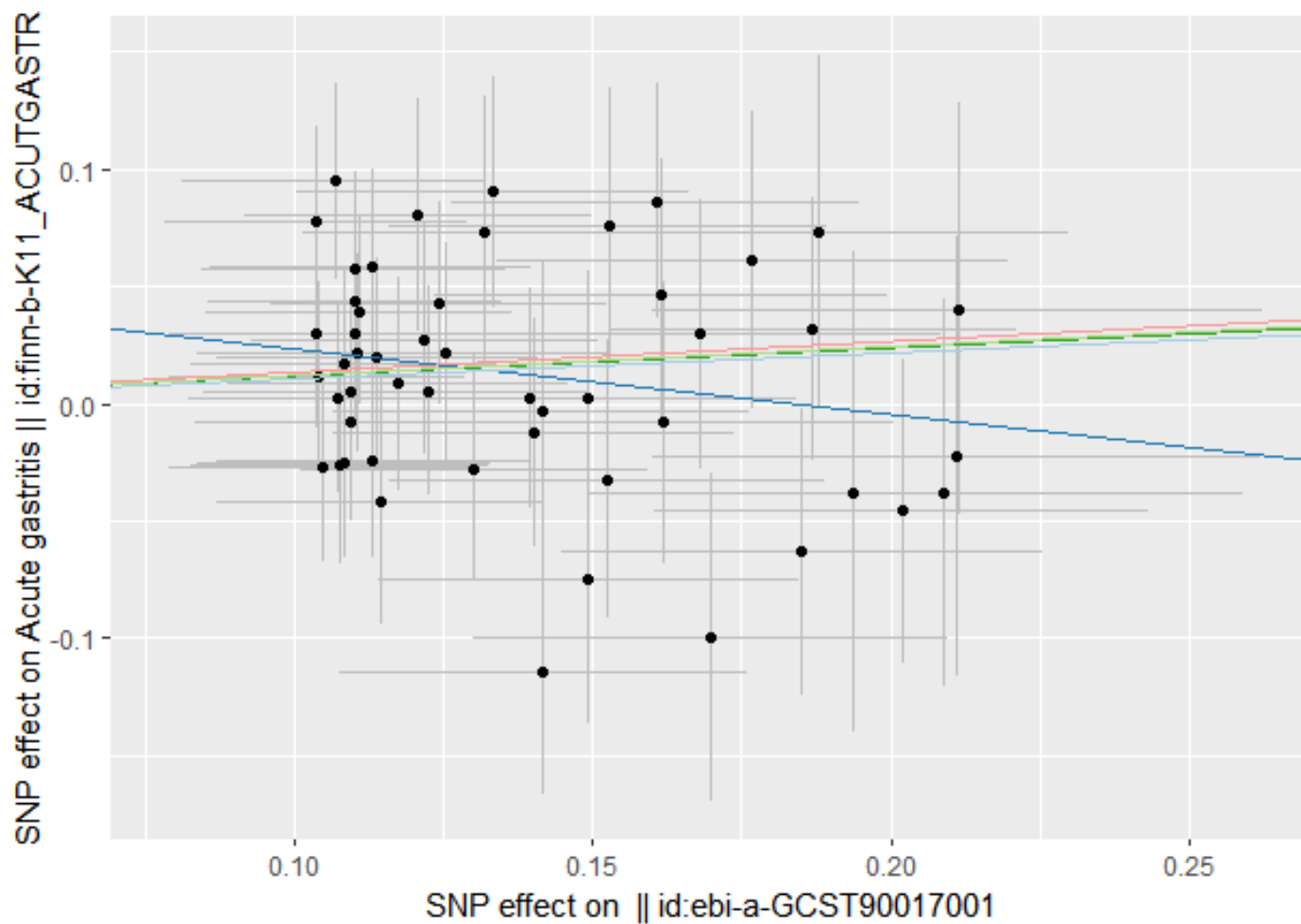
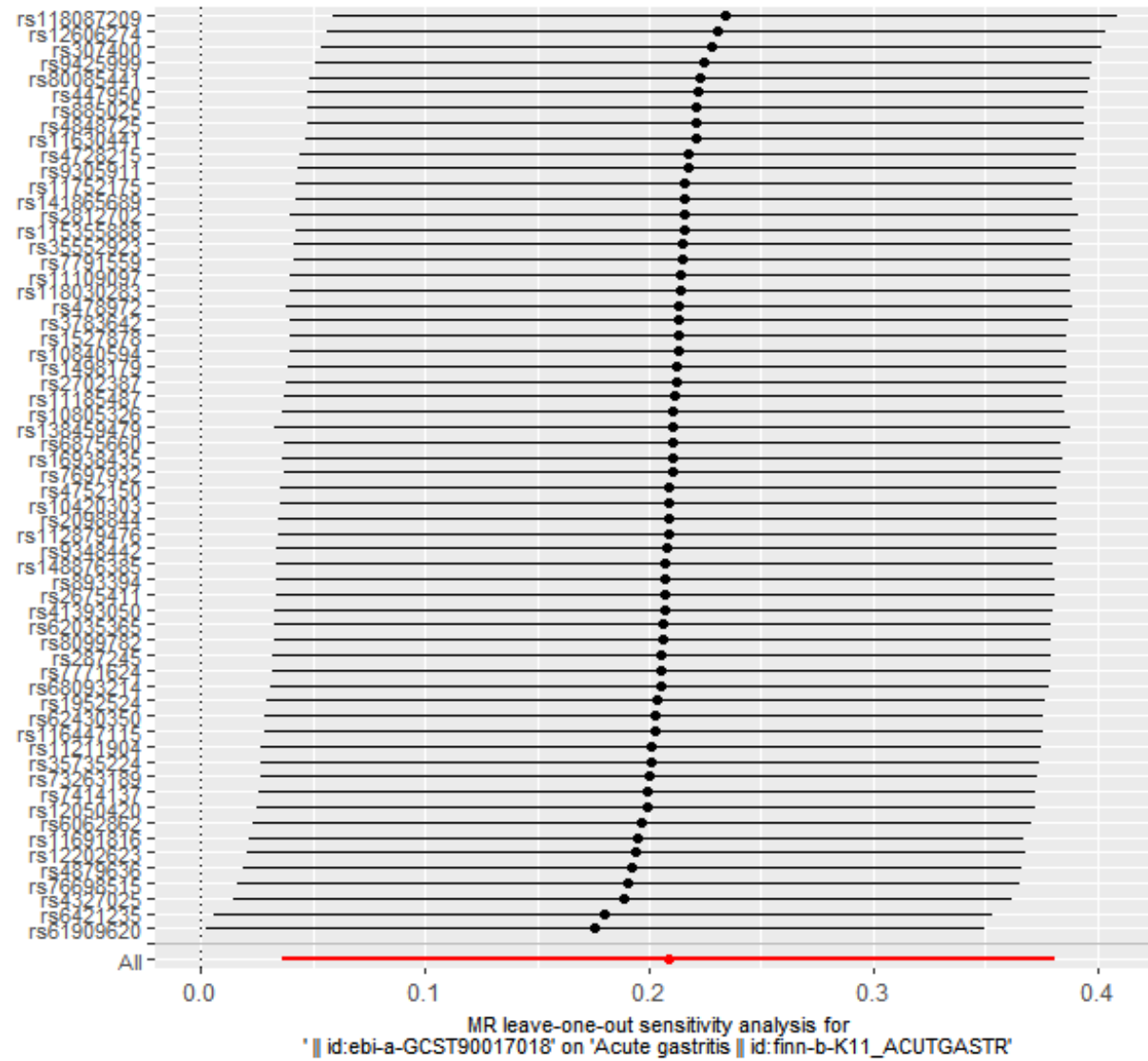
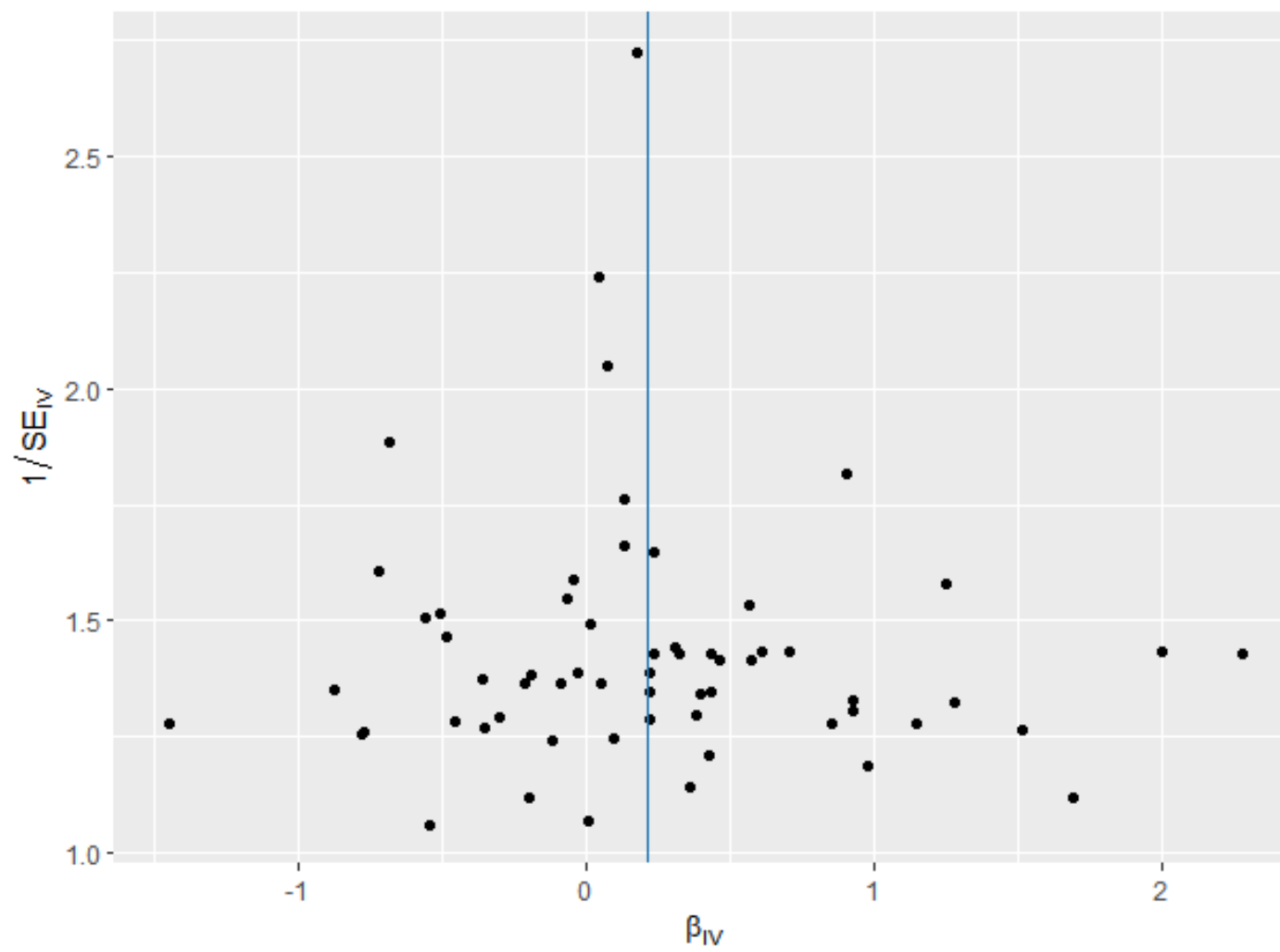


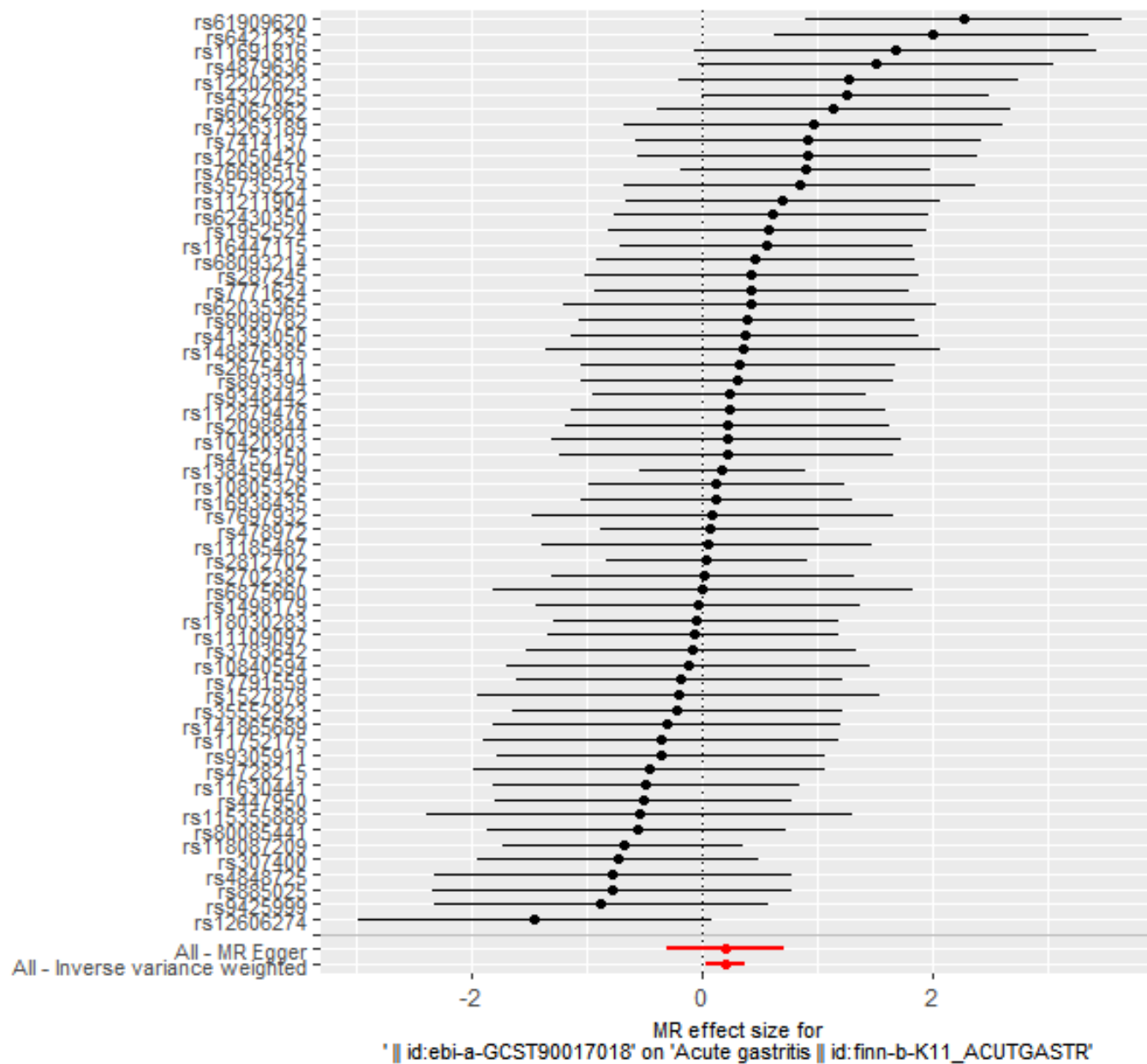
Figure 78 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Intestinibacter* id.11345) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

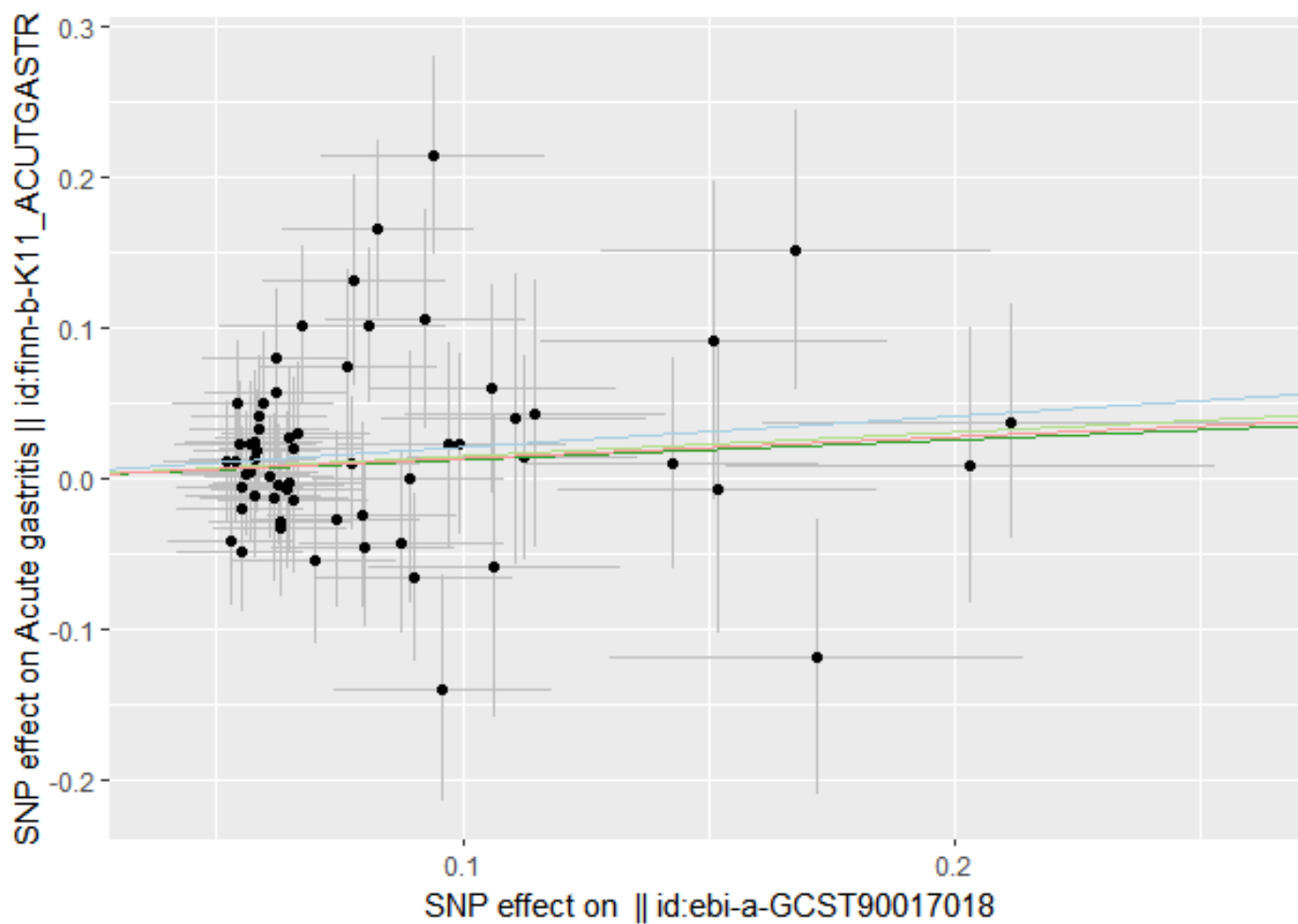
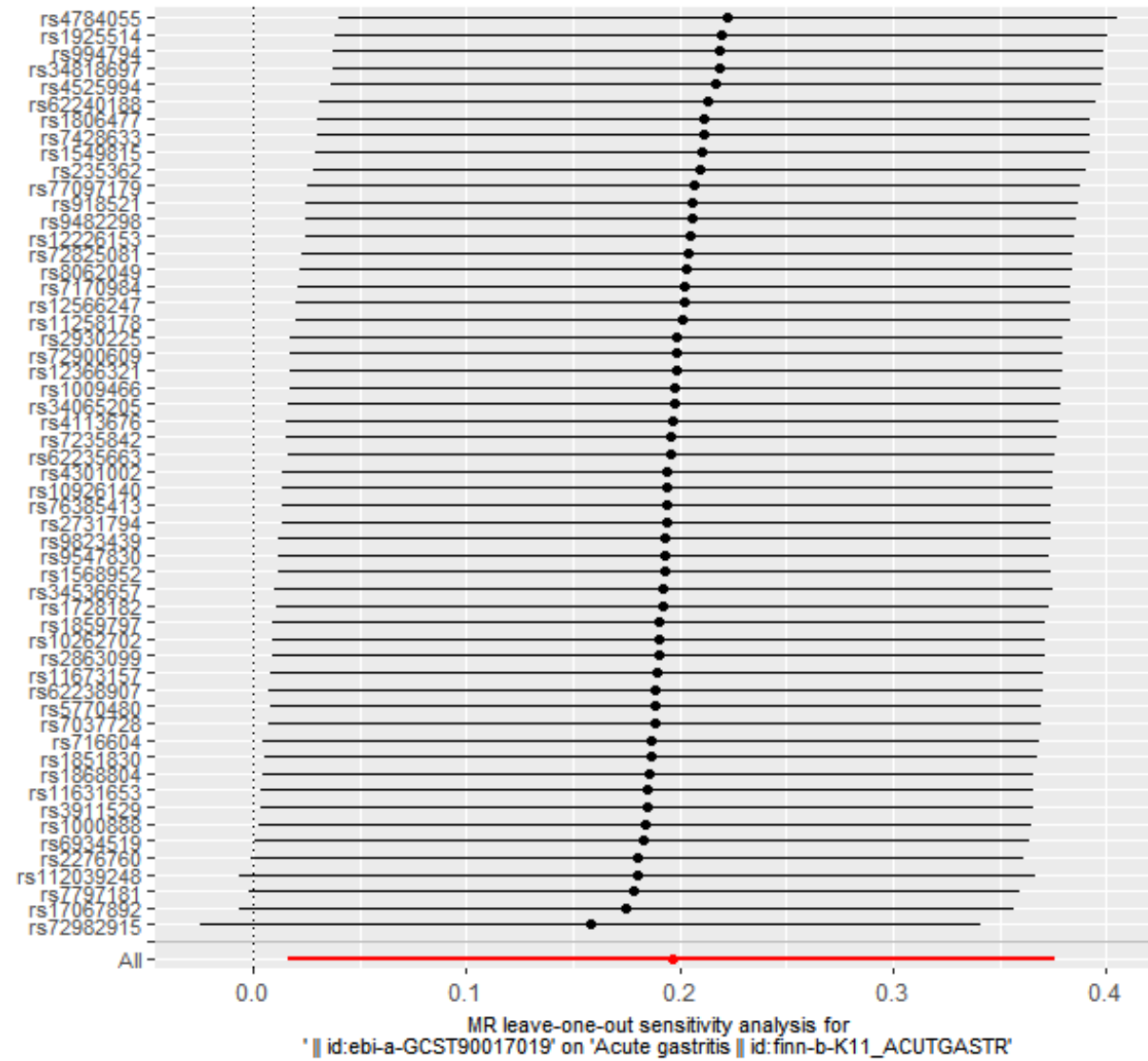
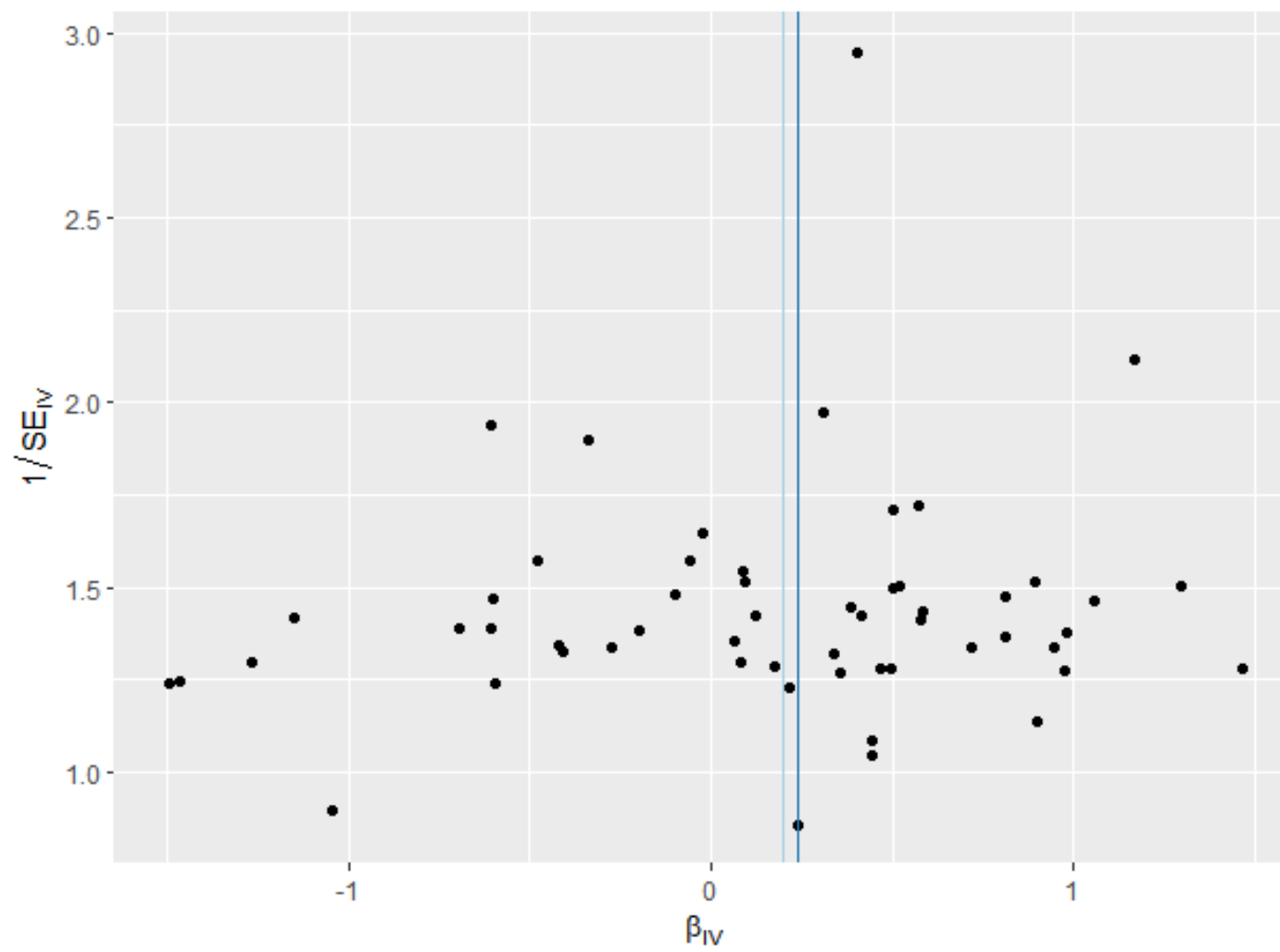


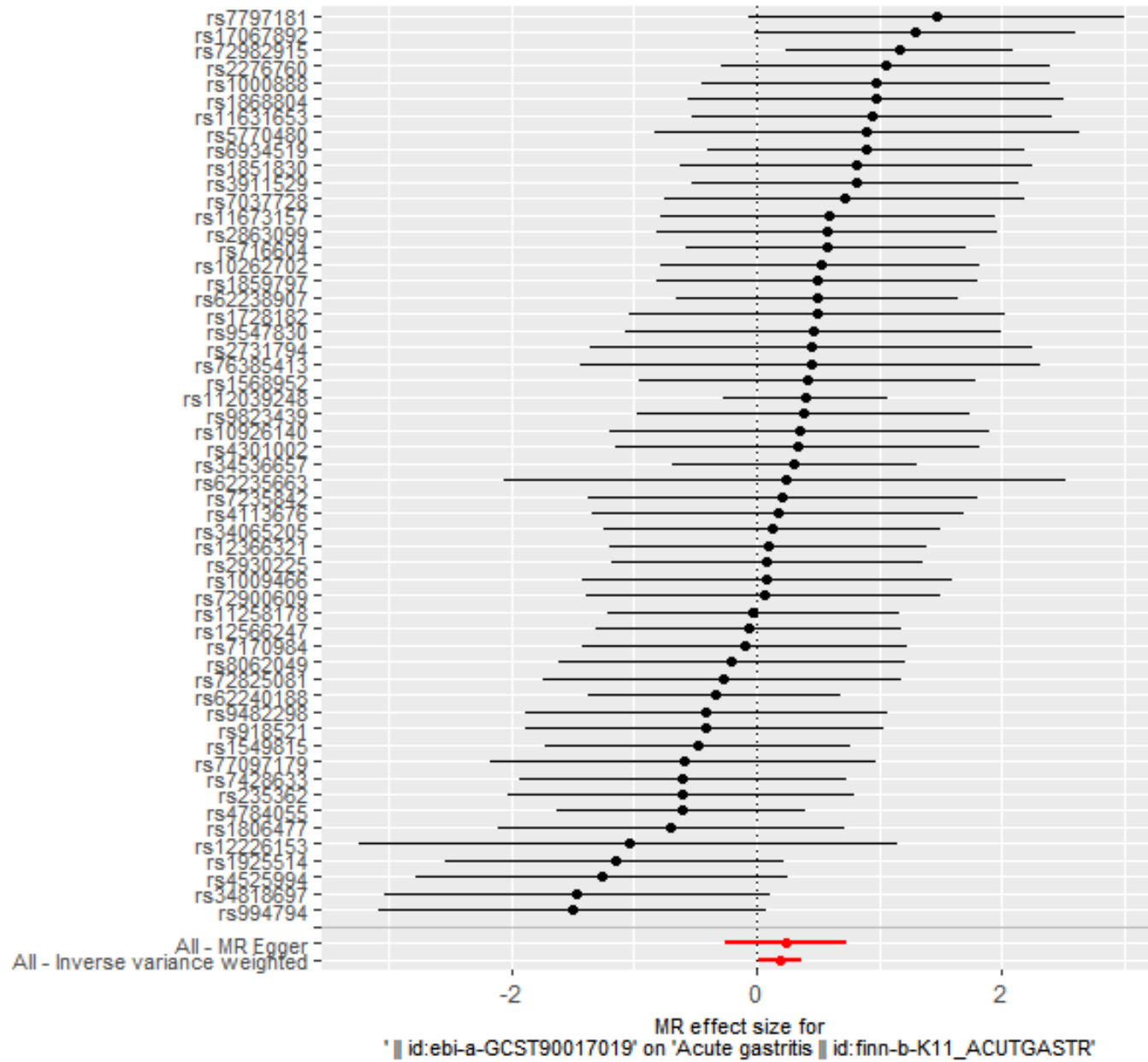
Figure 79 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Intestinimonas* id.2062) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

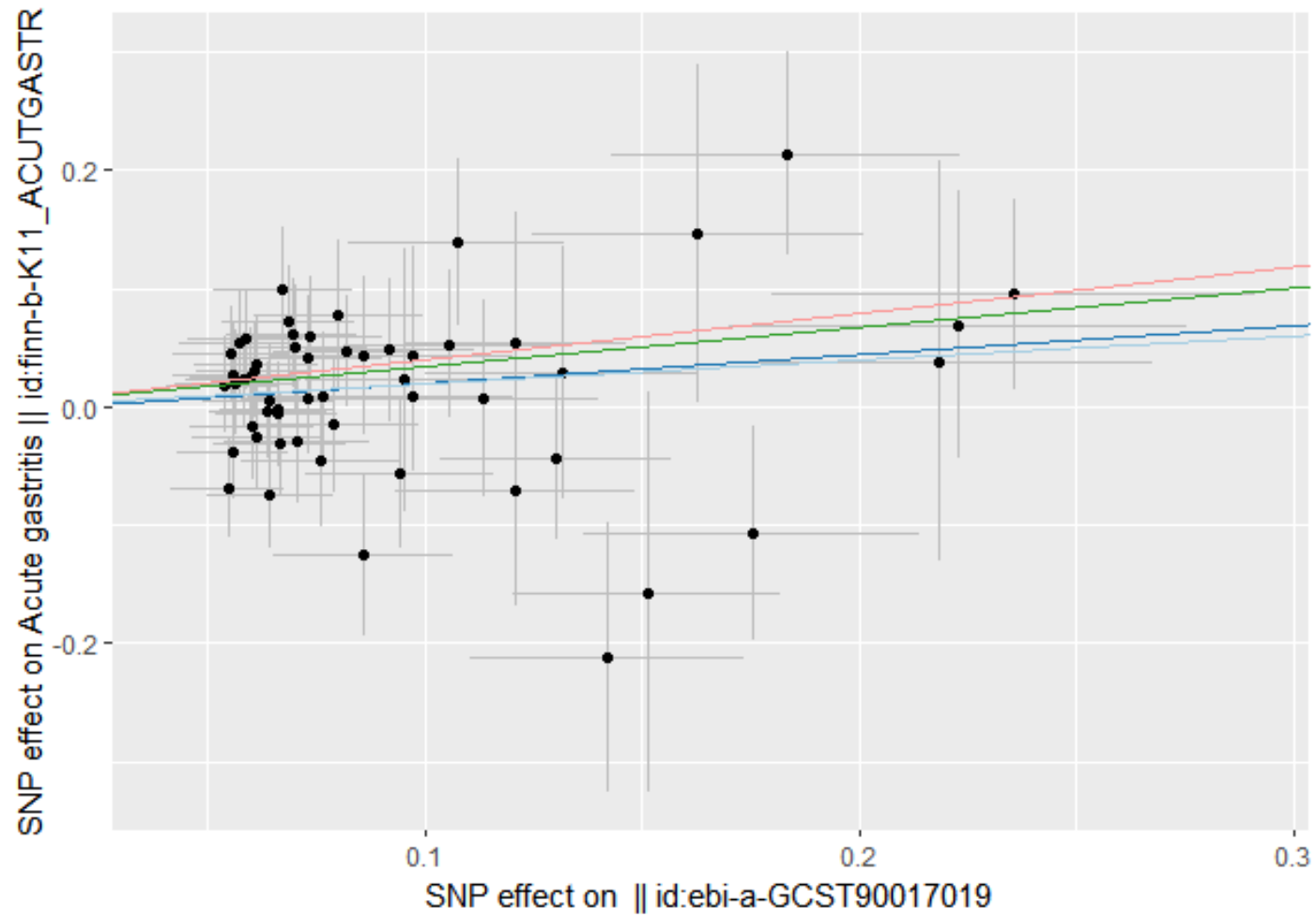
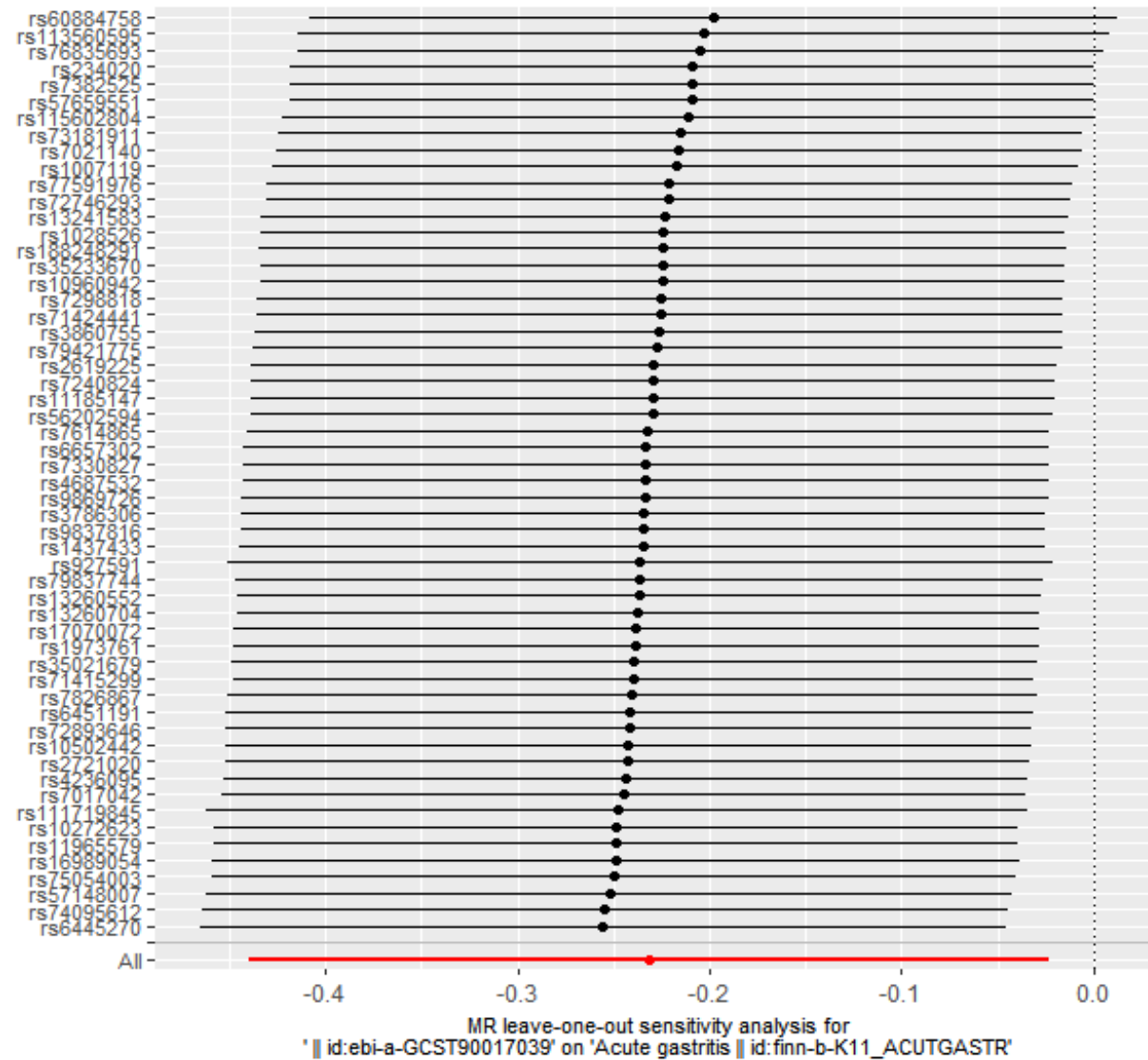
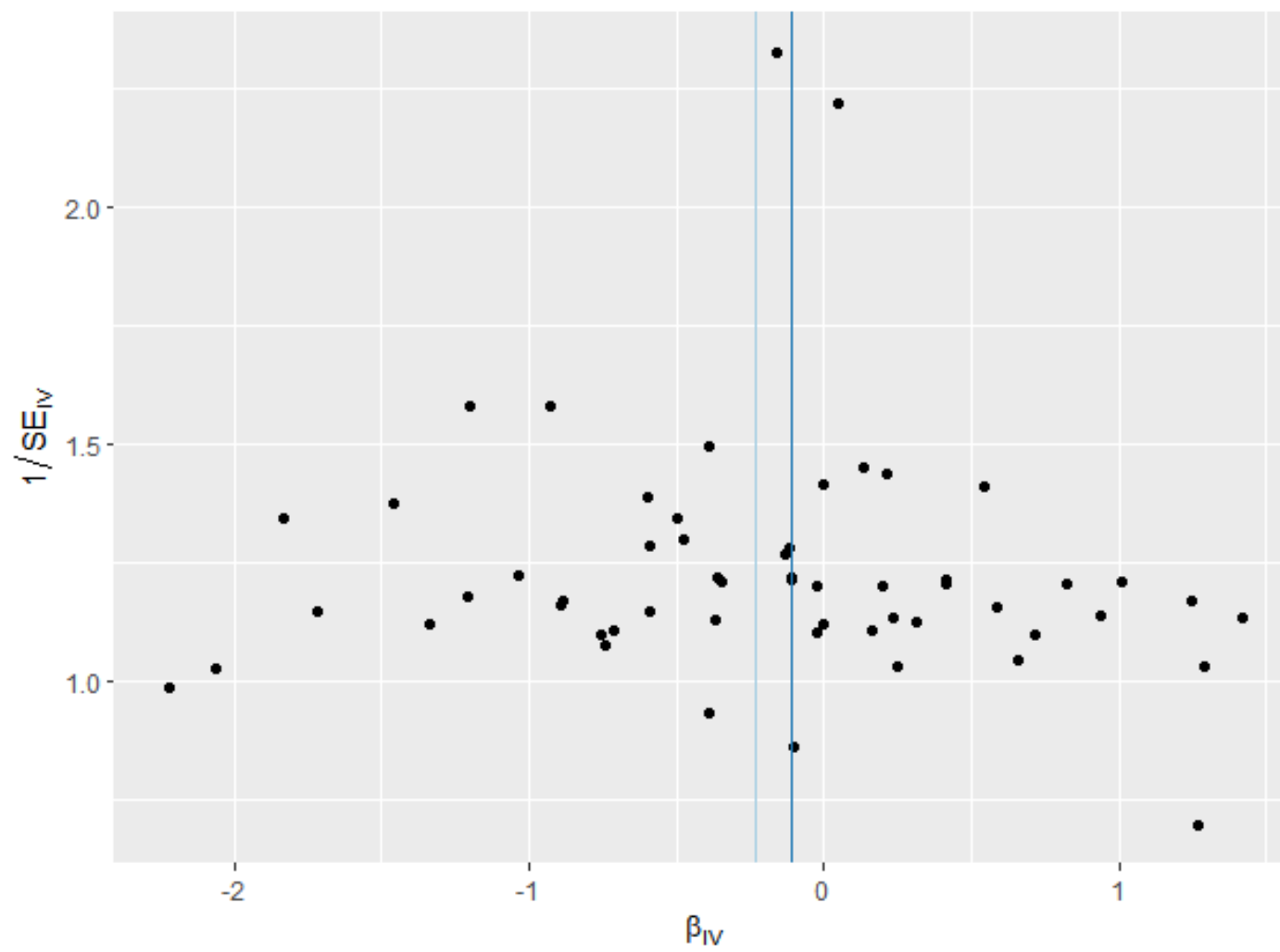


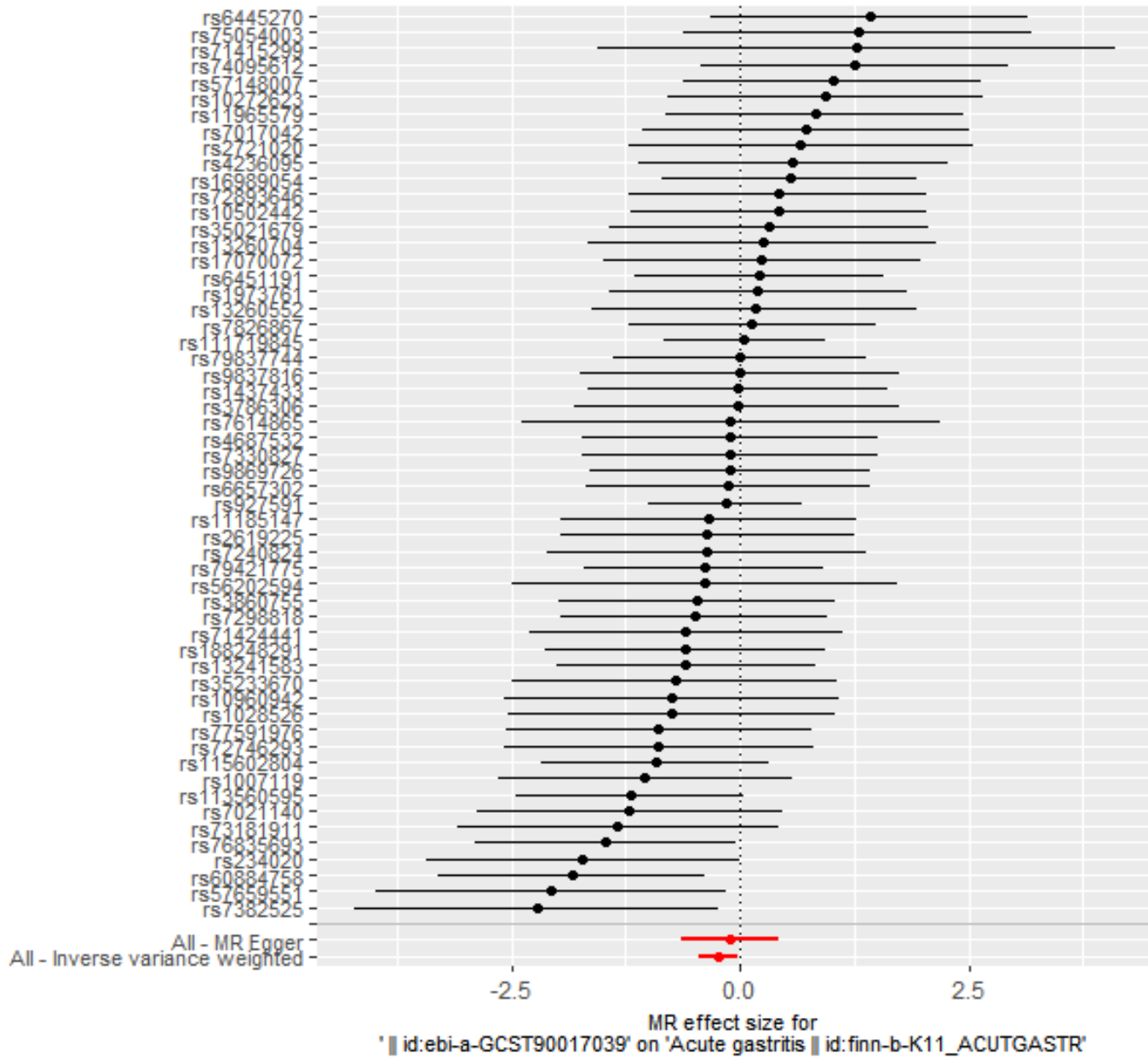
Figure 80 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Parabacteroides id.954) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

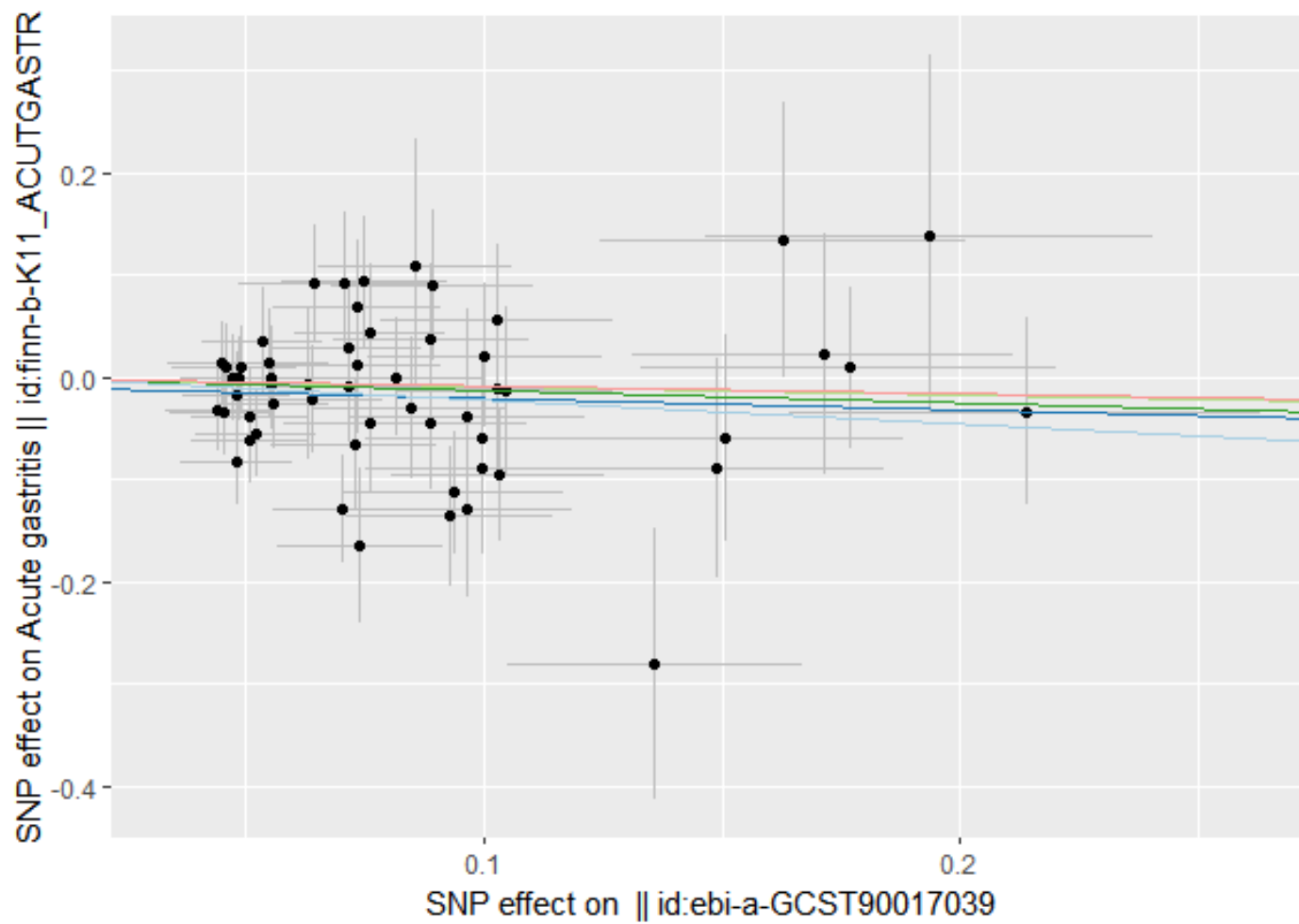
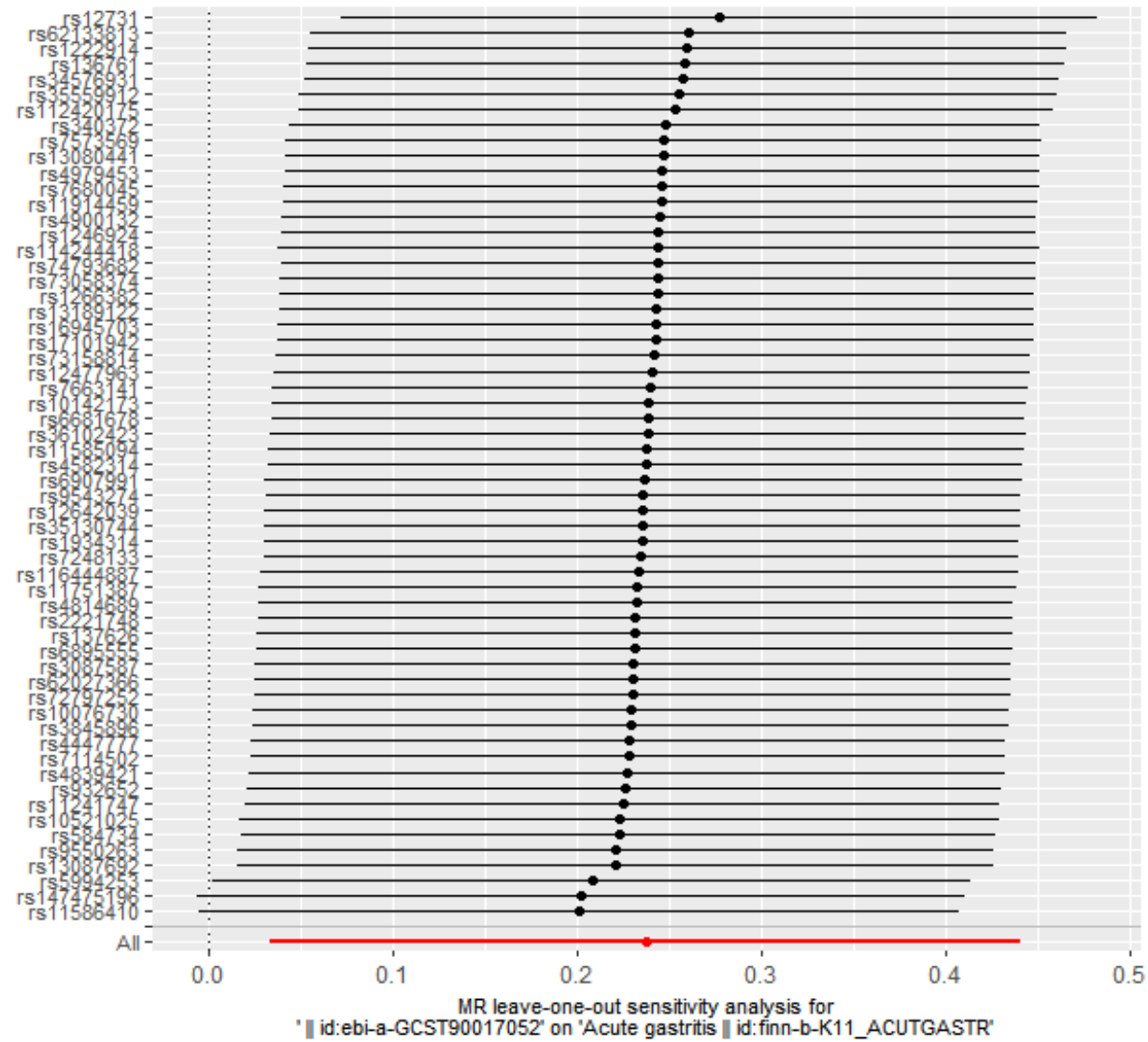
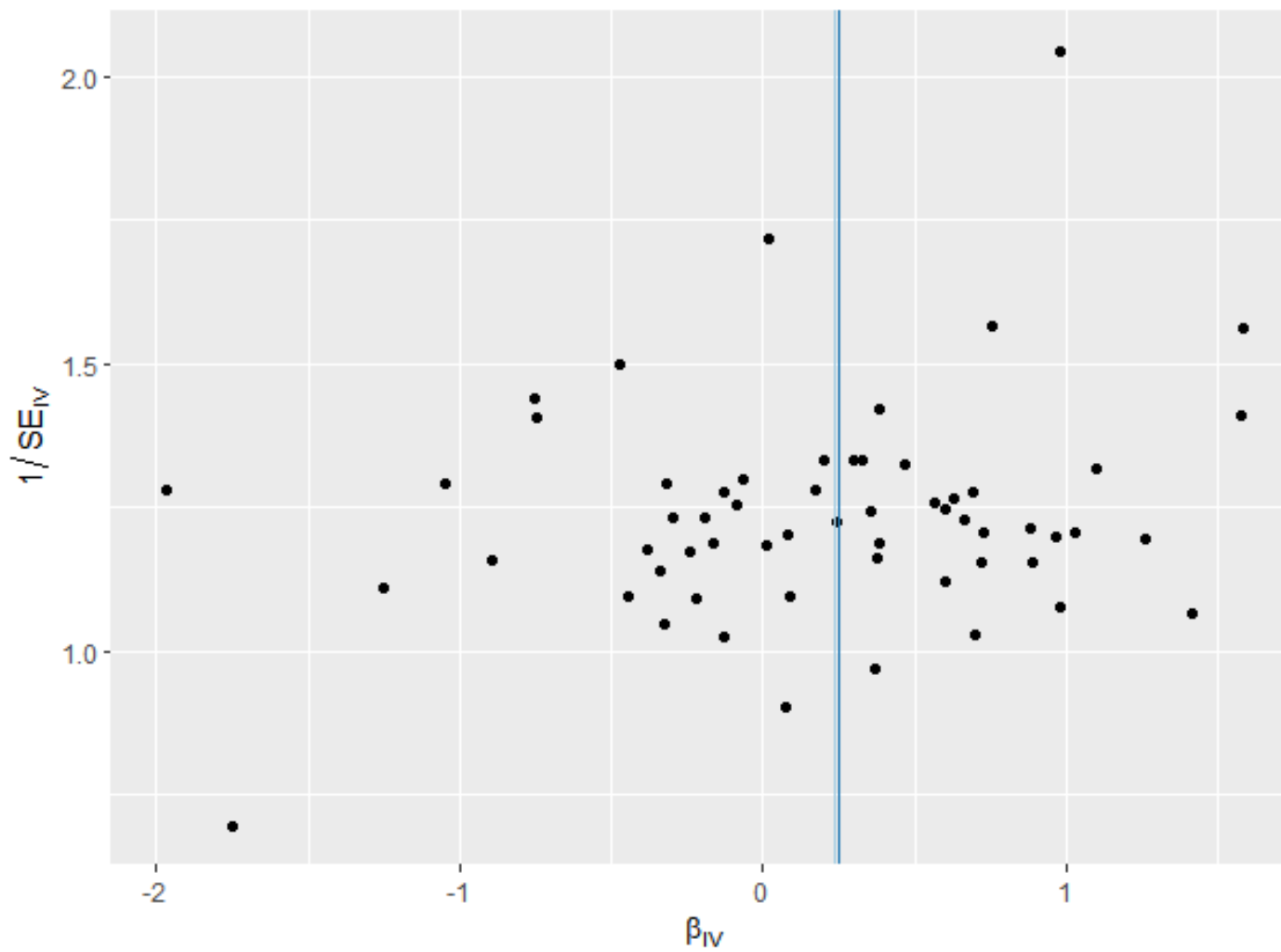


Figure 81 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger



MR Test

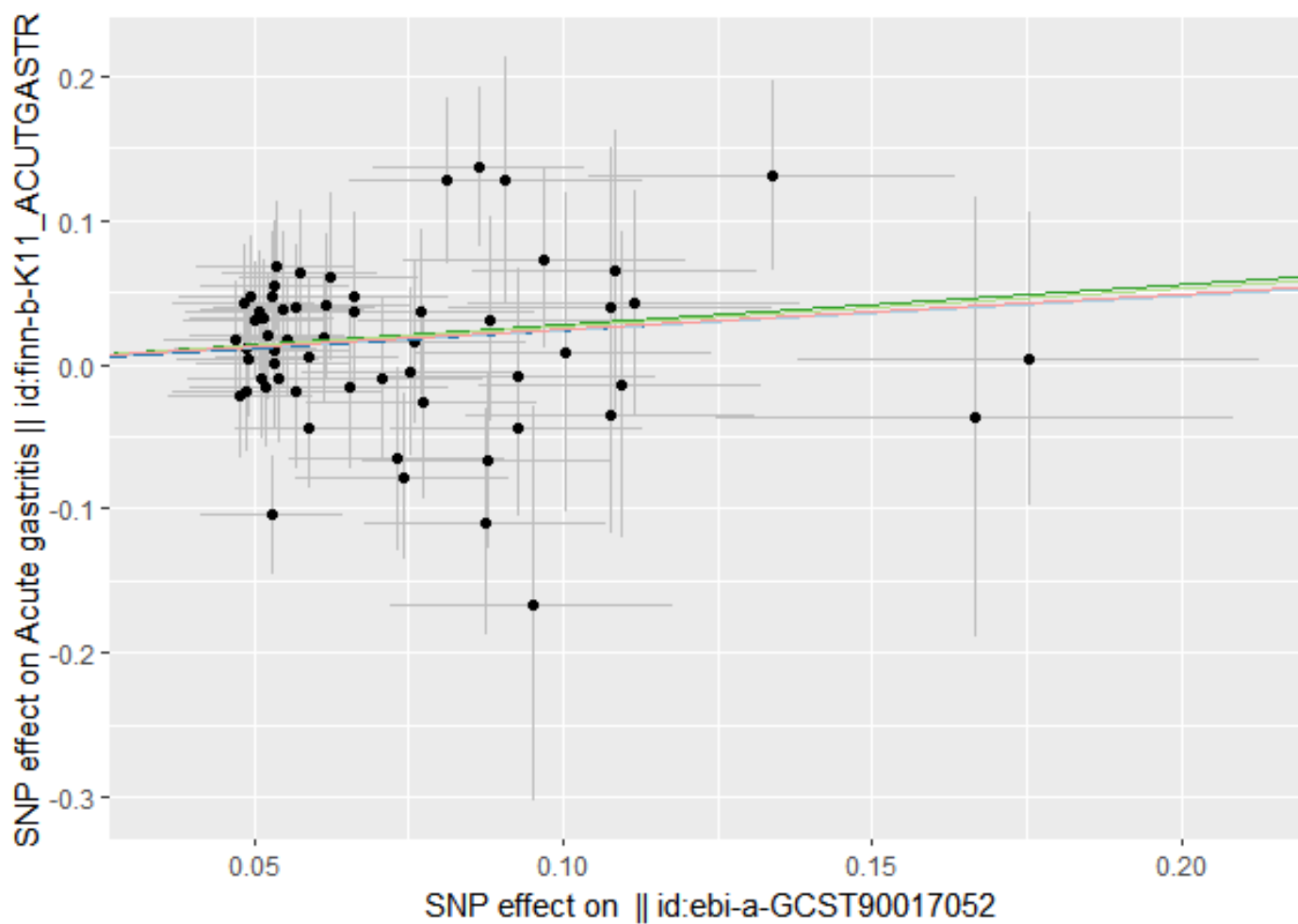
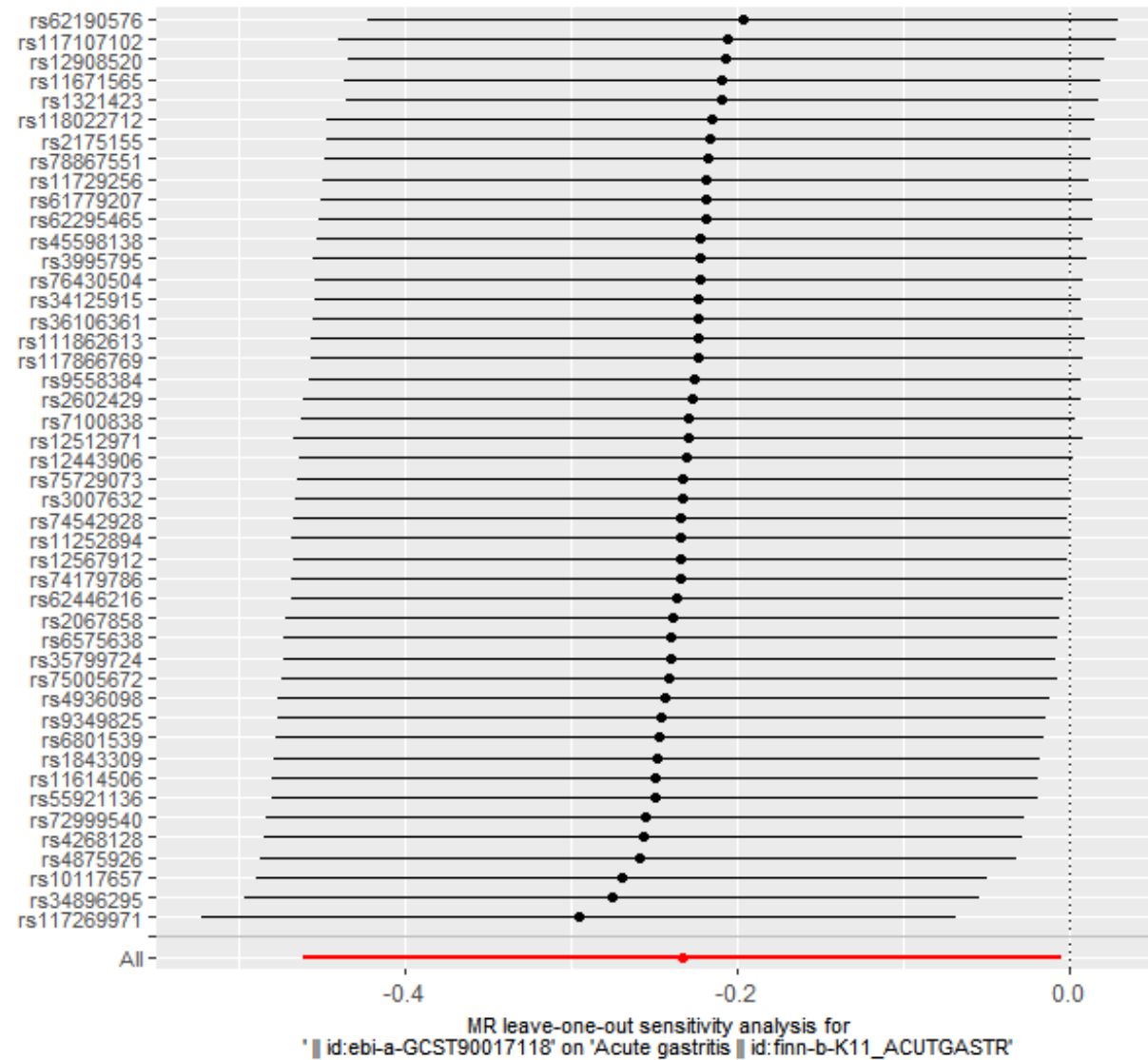
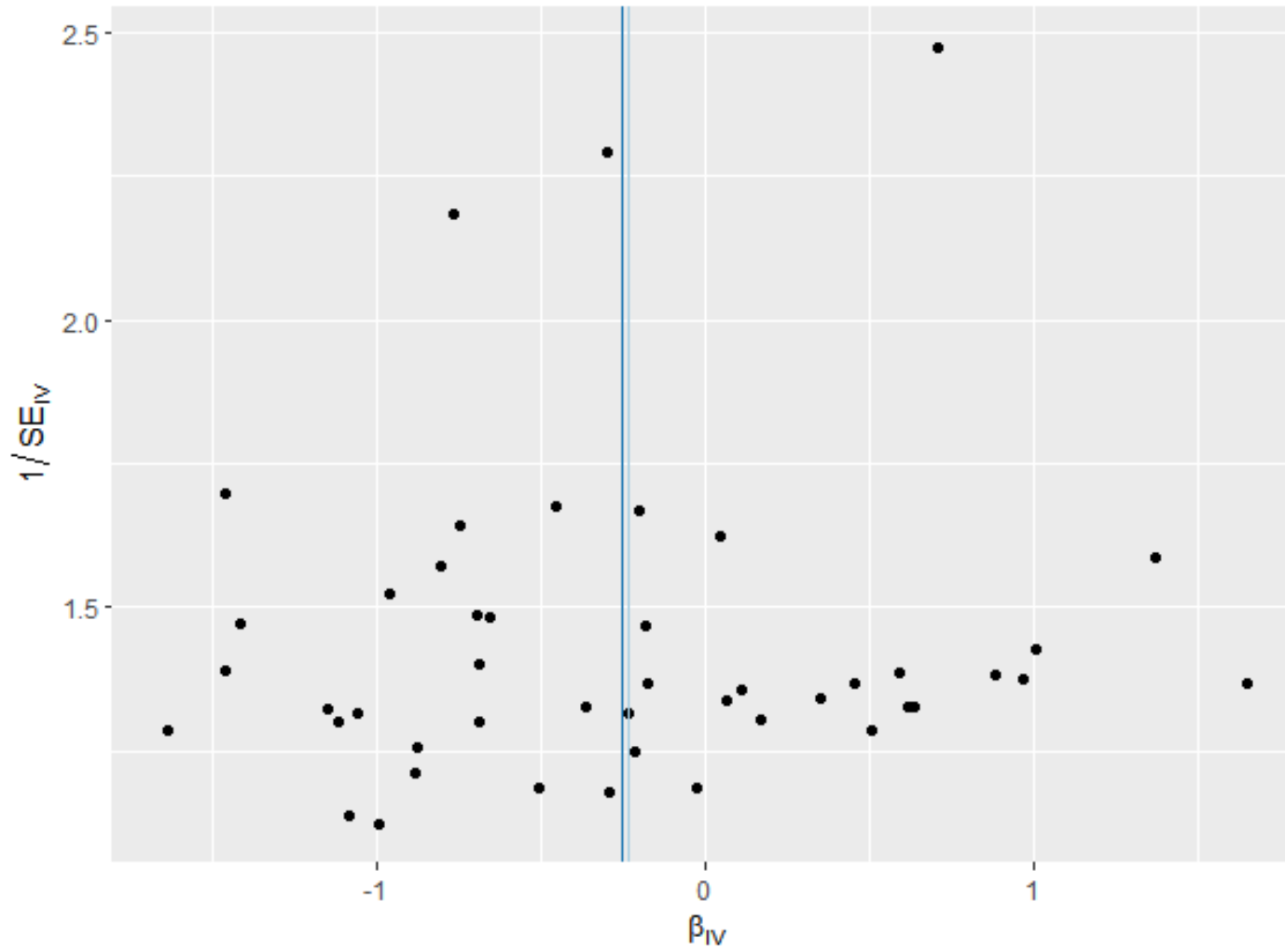


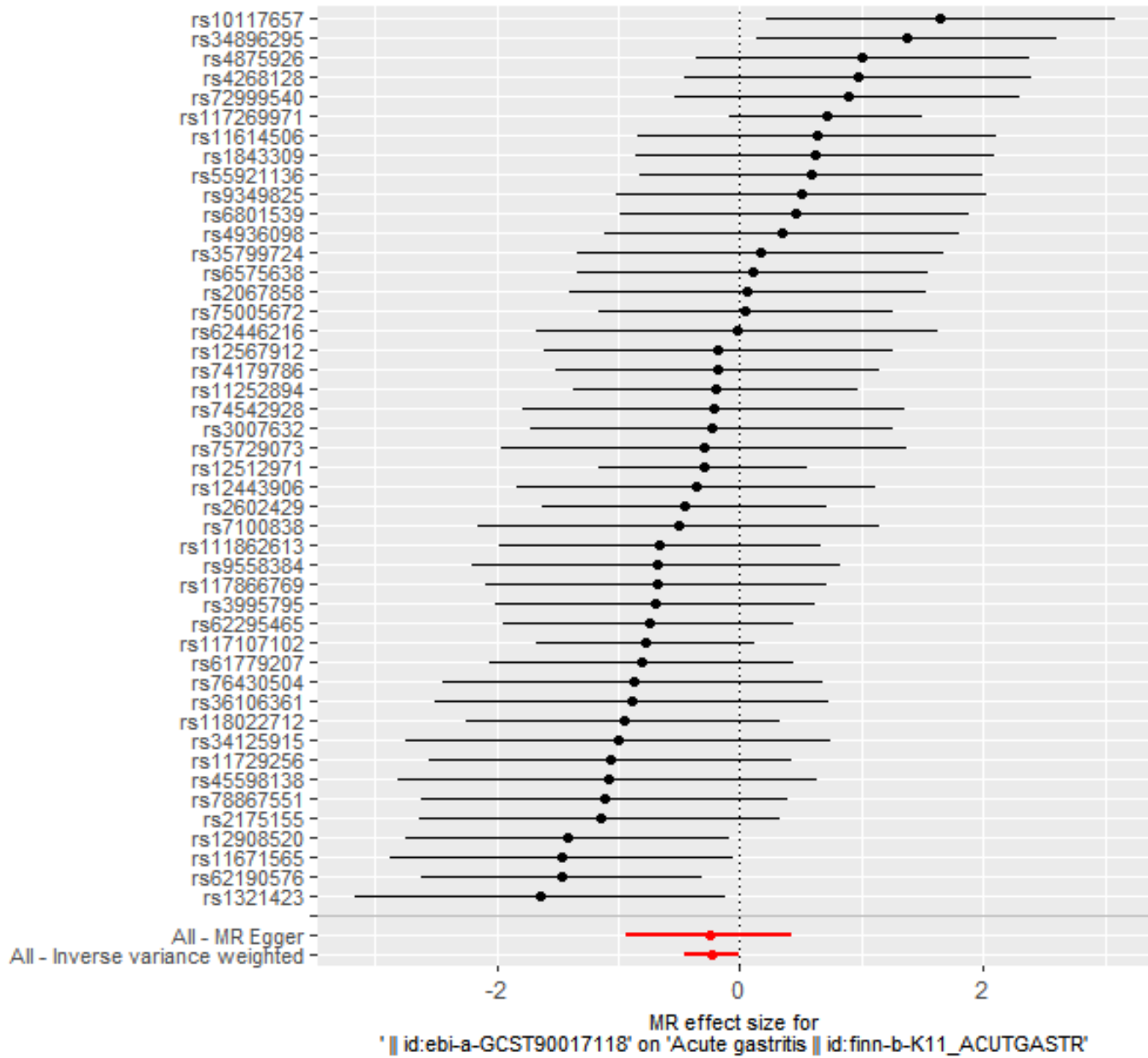
Figure 82 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Verrucomicrobia id.3982) on acute gastritis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

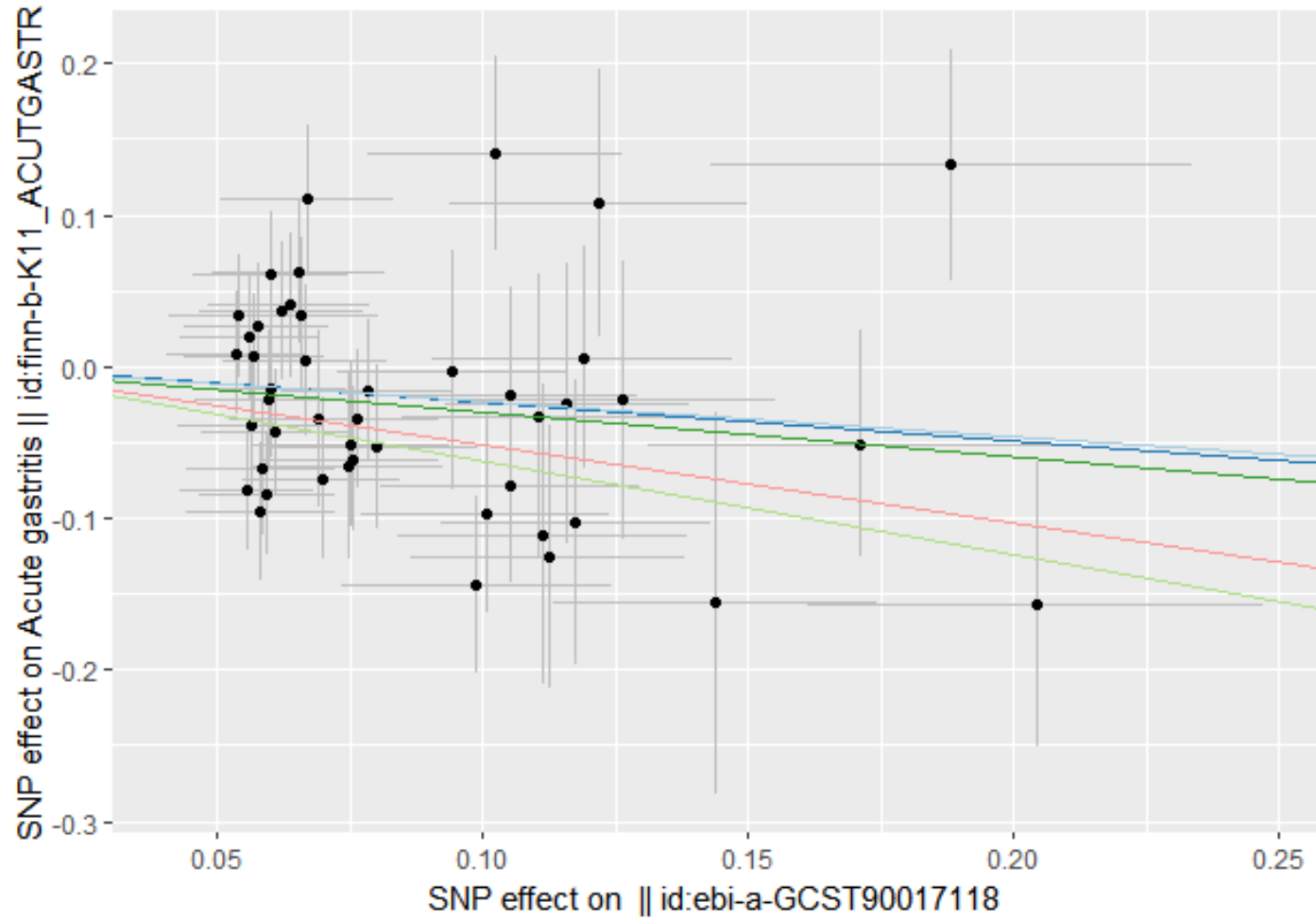
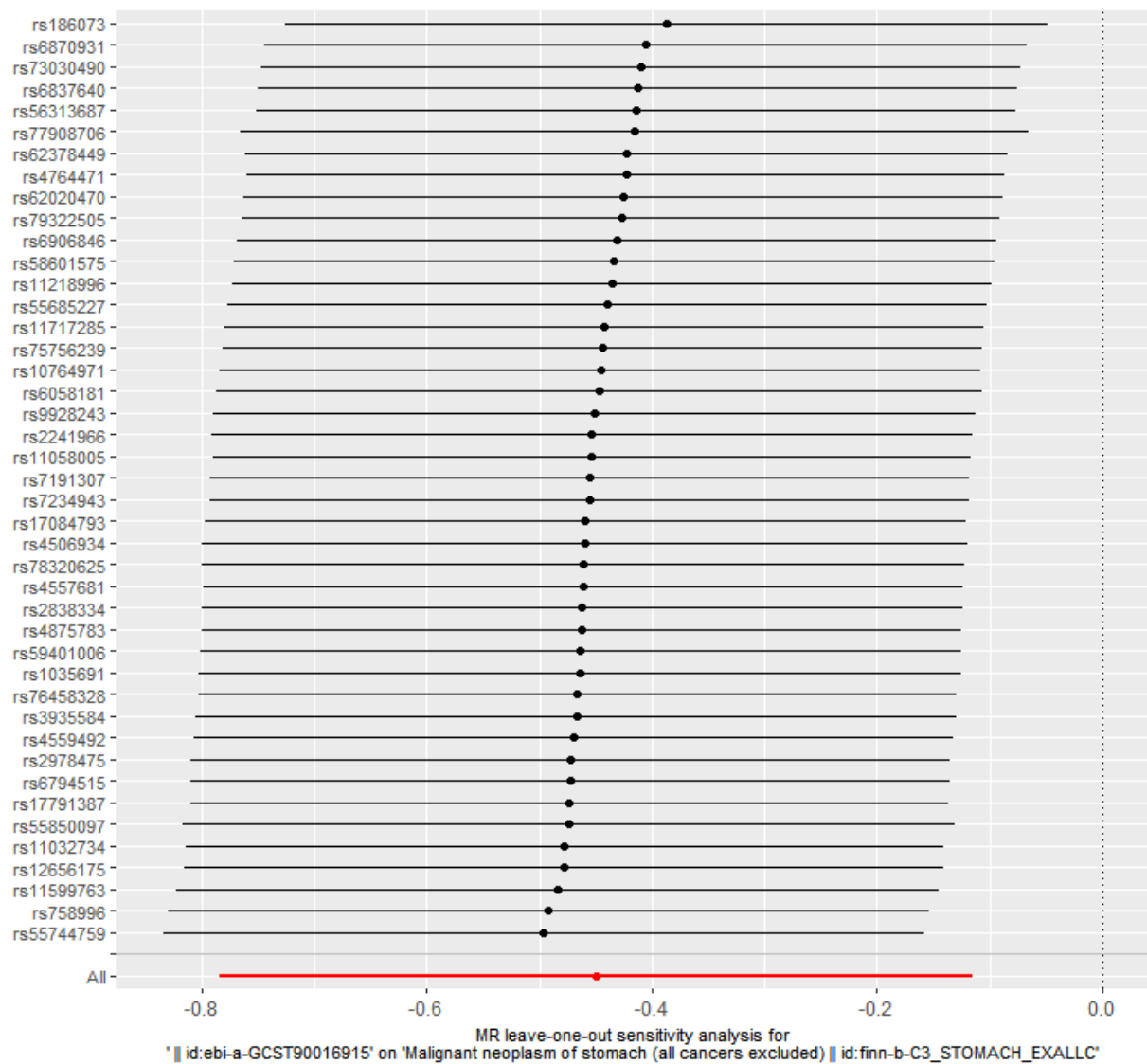
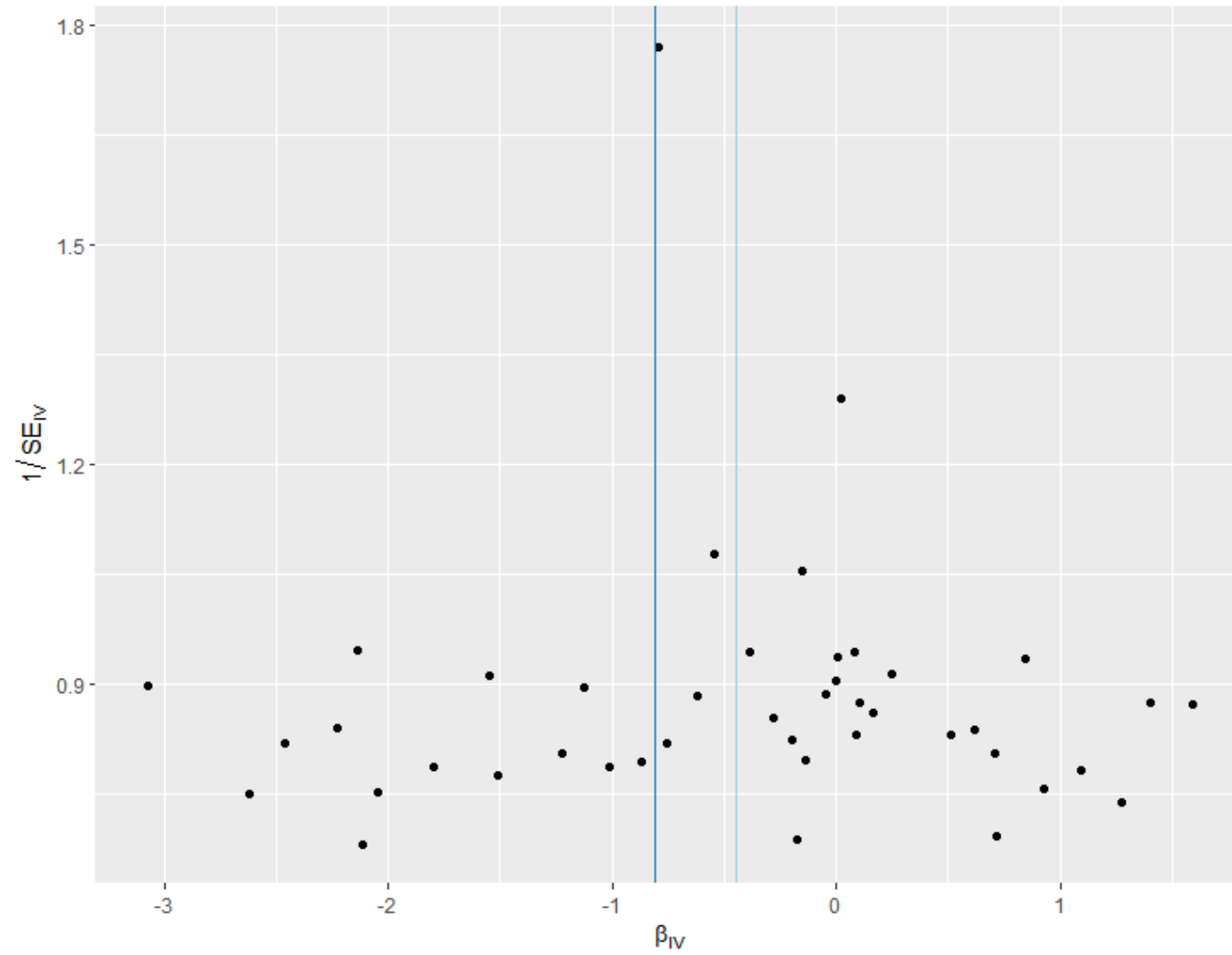


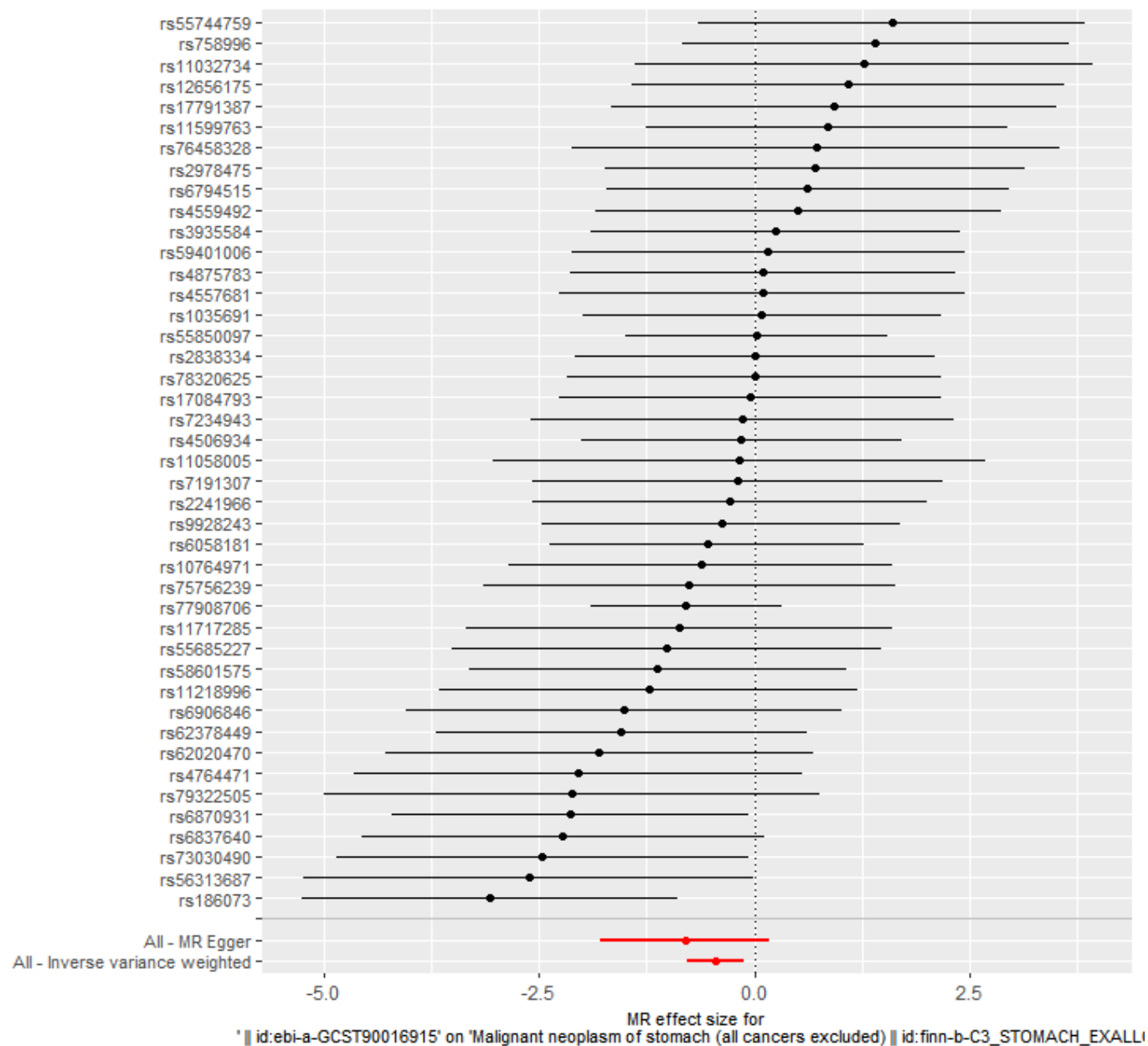
Figure 83 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Deltaproteobacteria id.3087) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





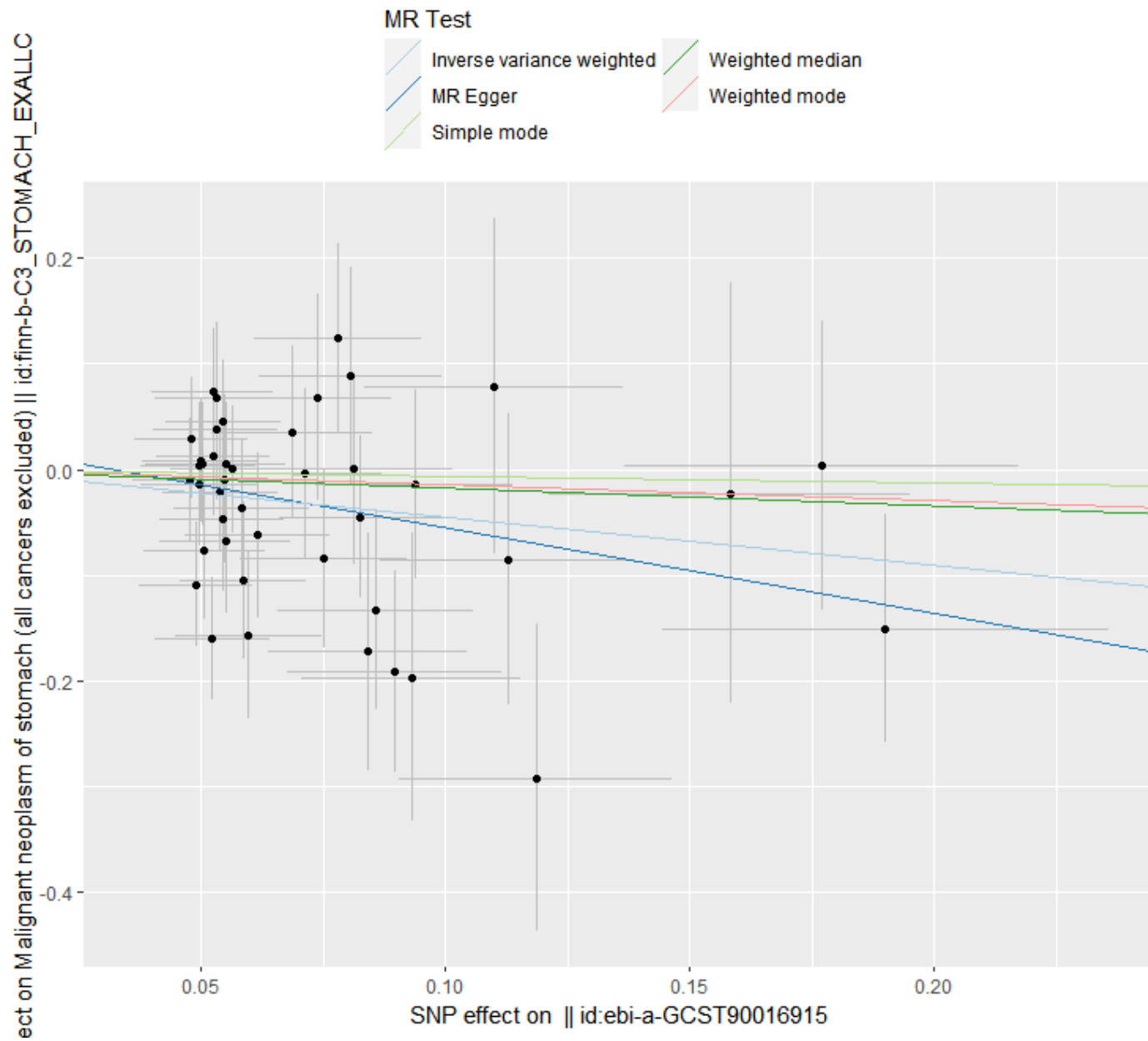
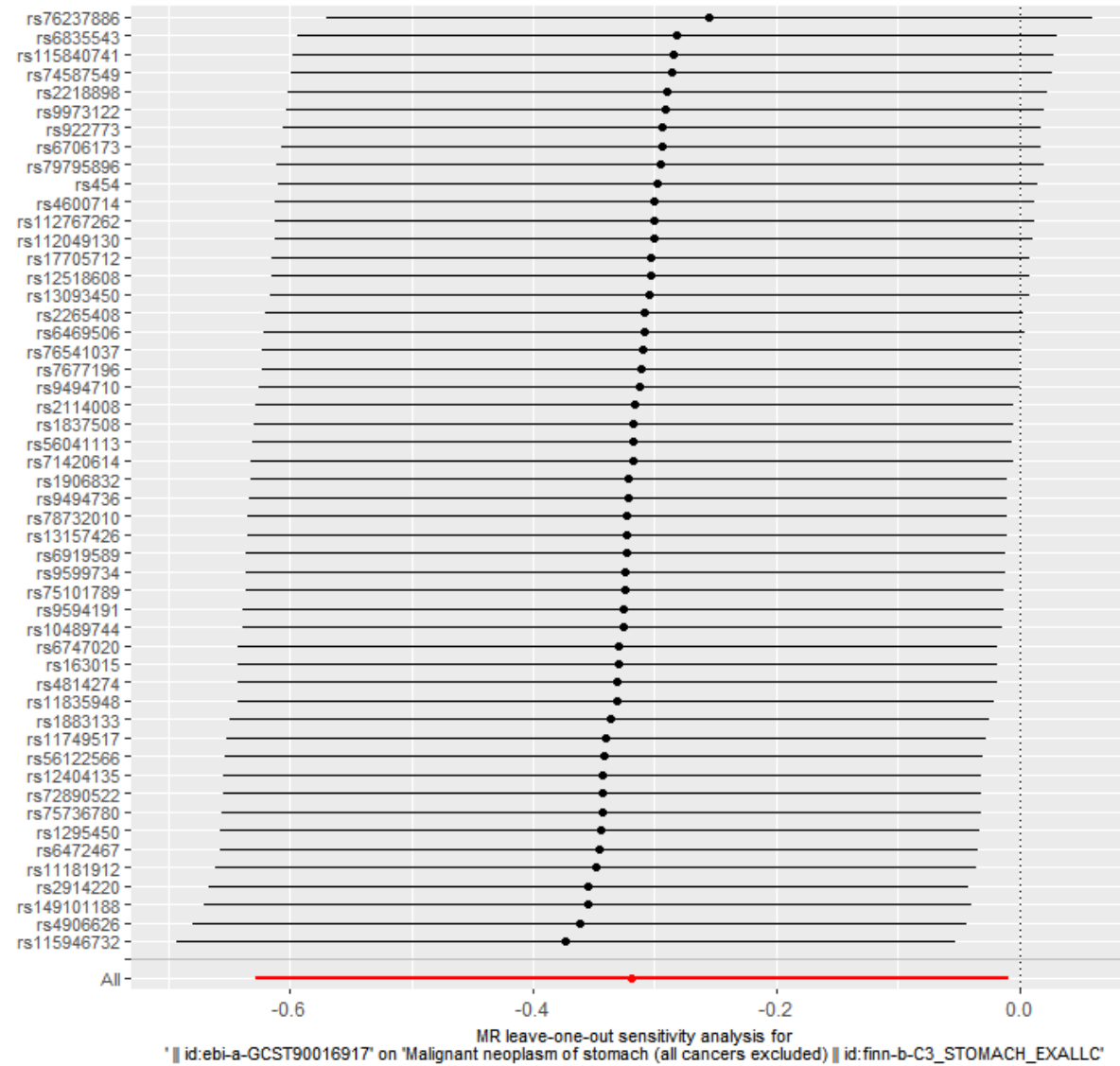
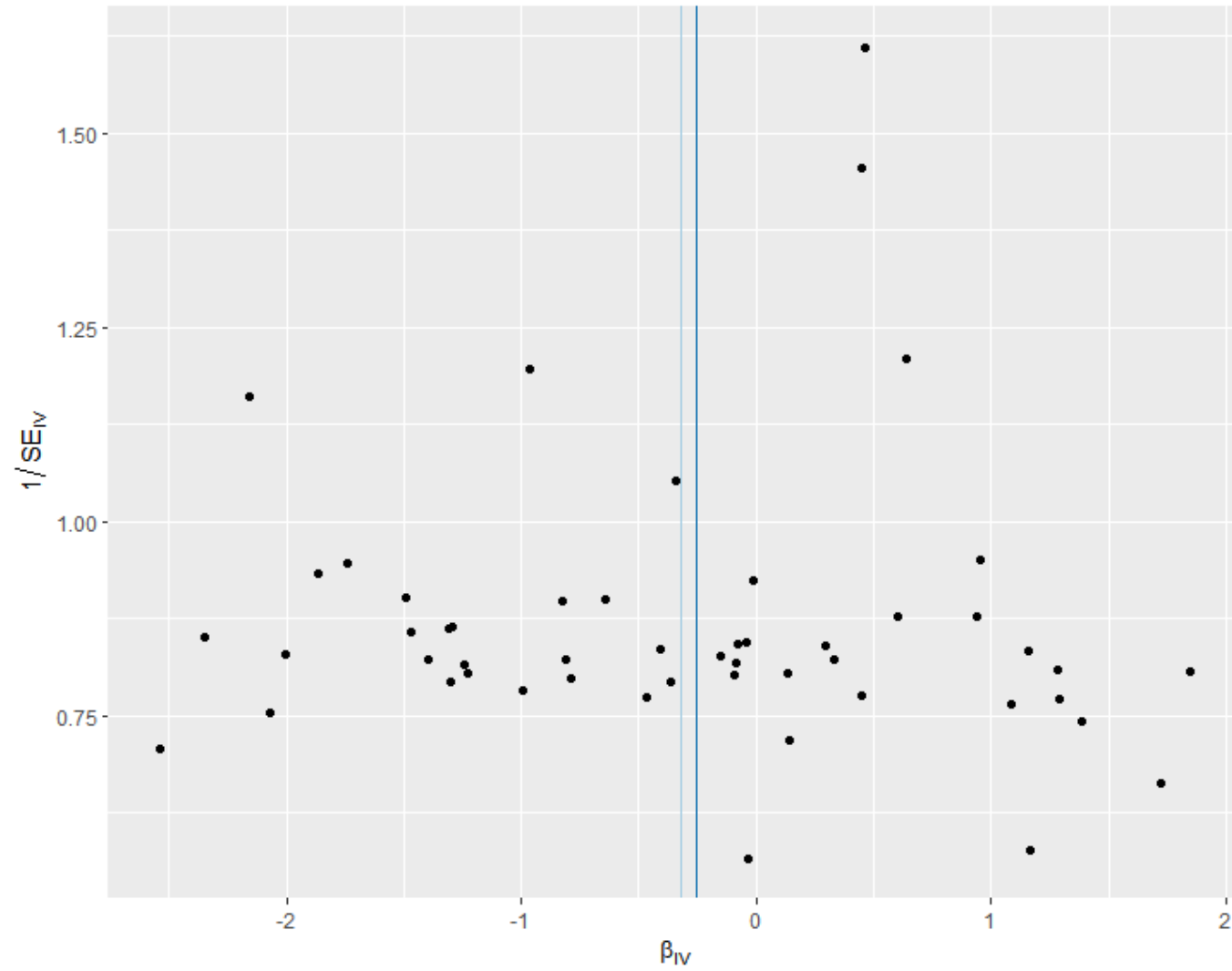


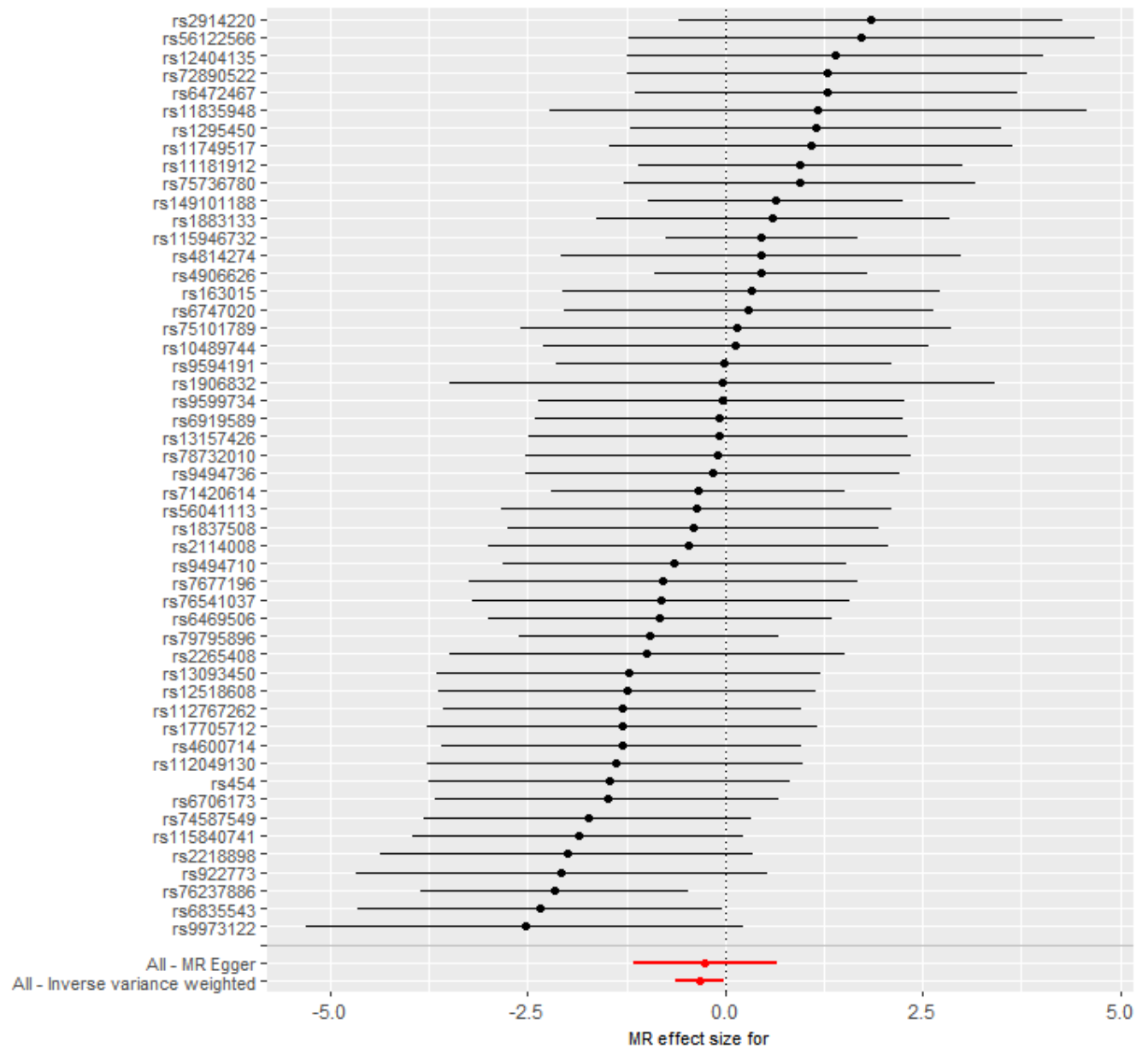
Figure 84 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Gammaproteobacteria id.3303) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





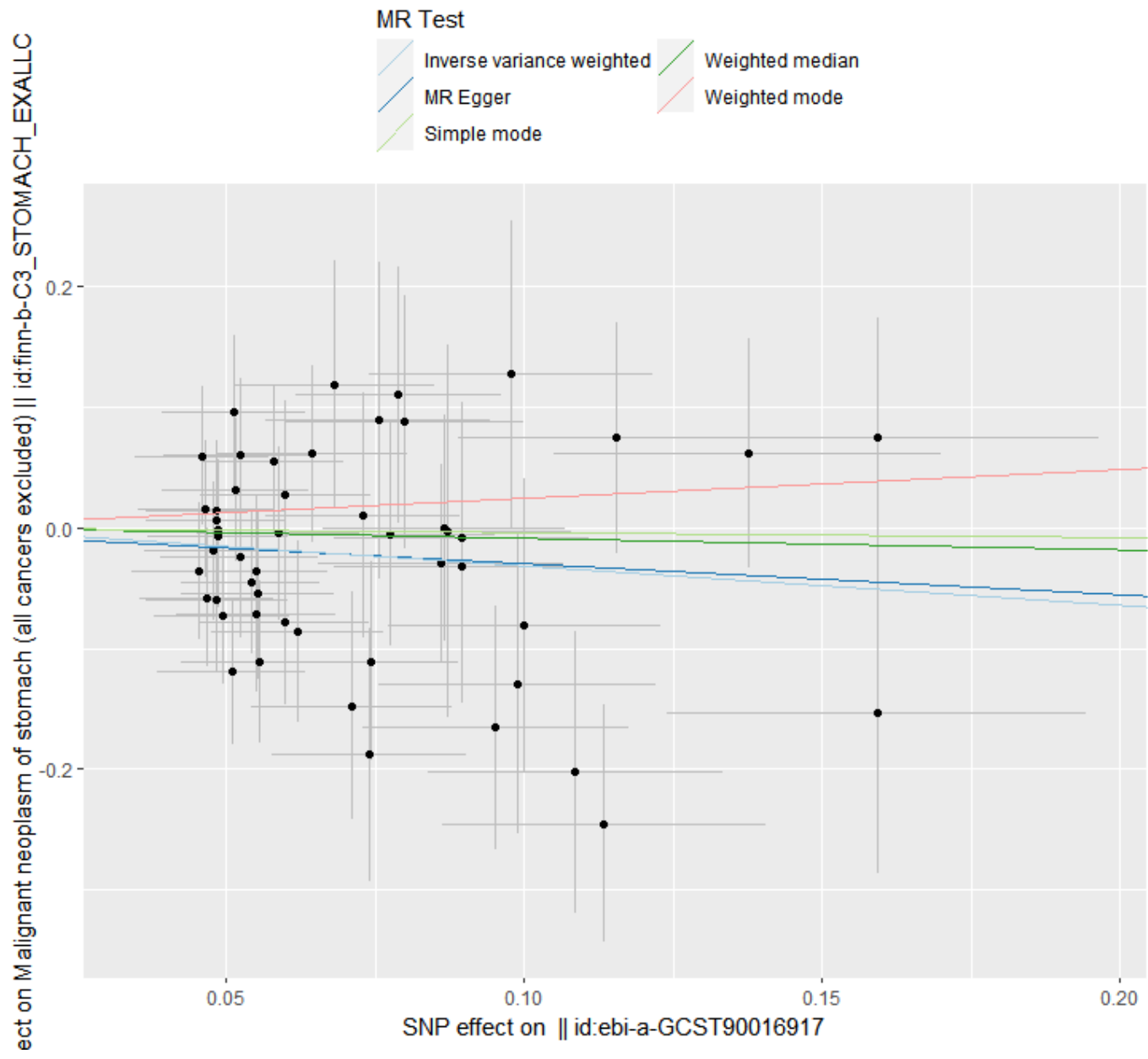
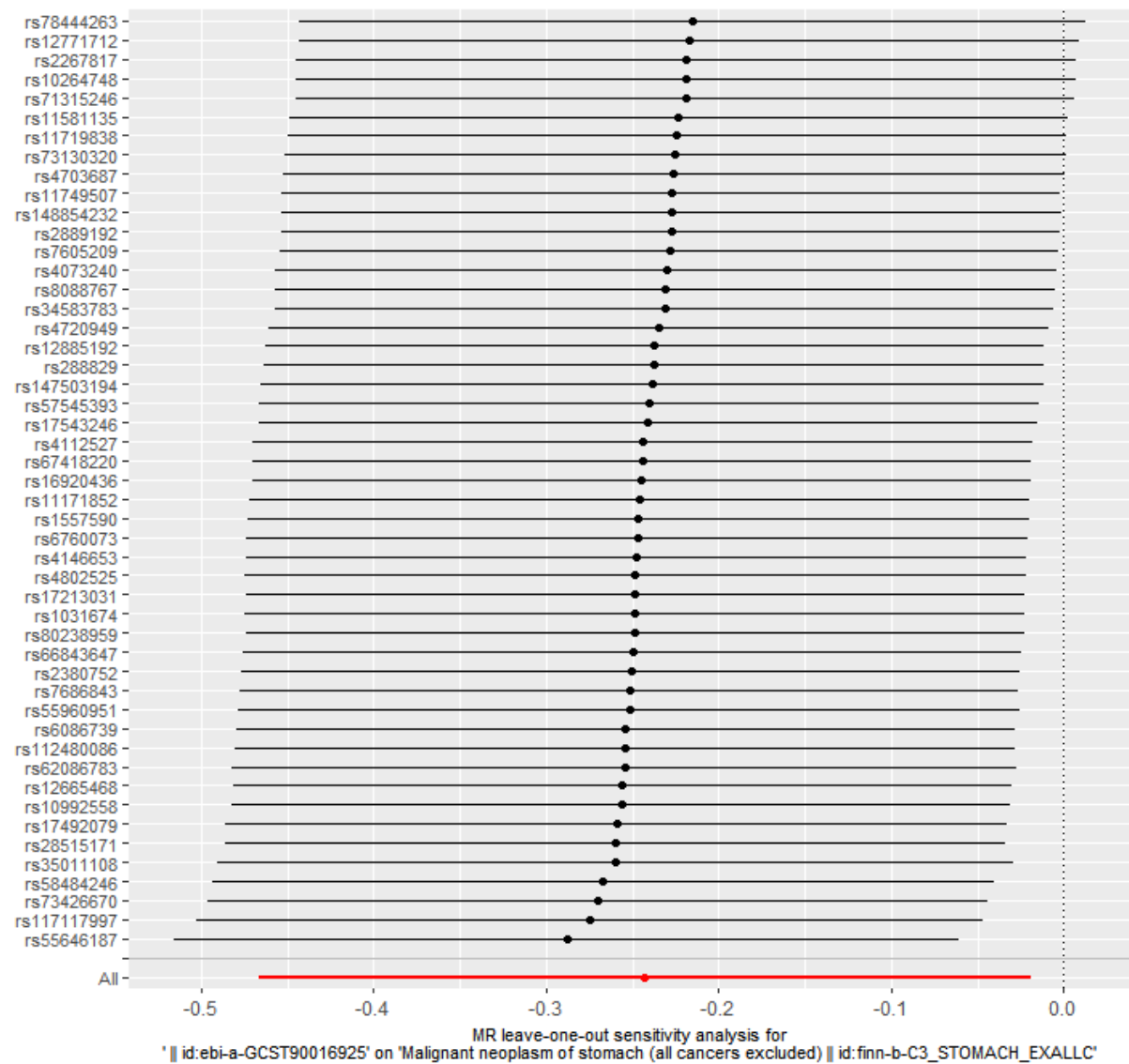
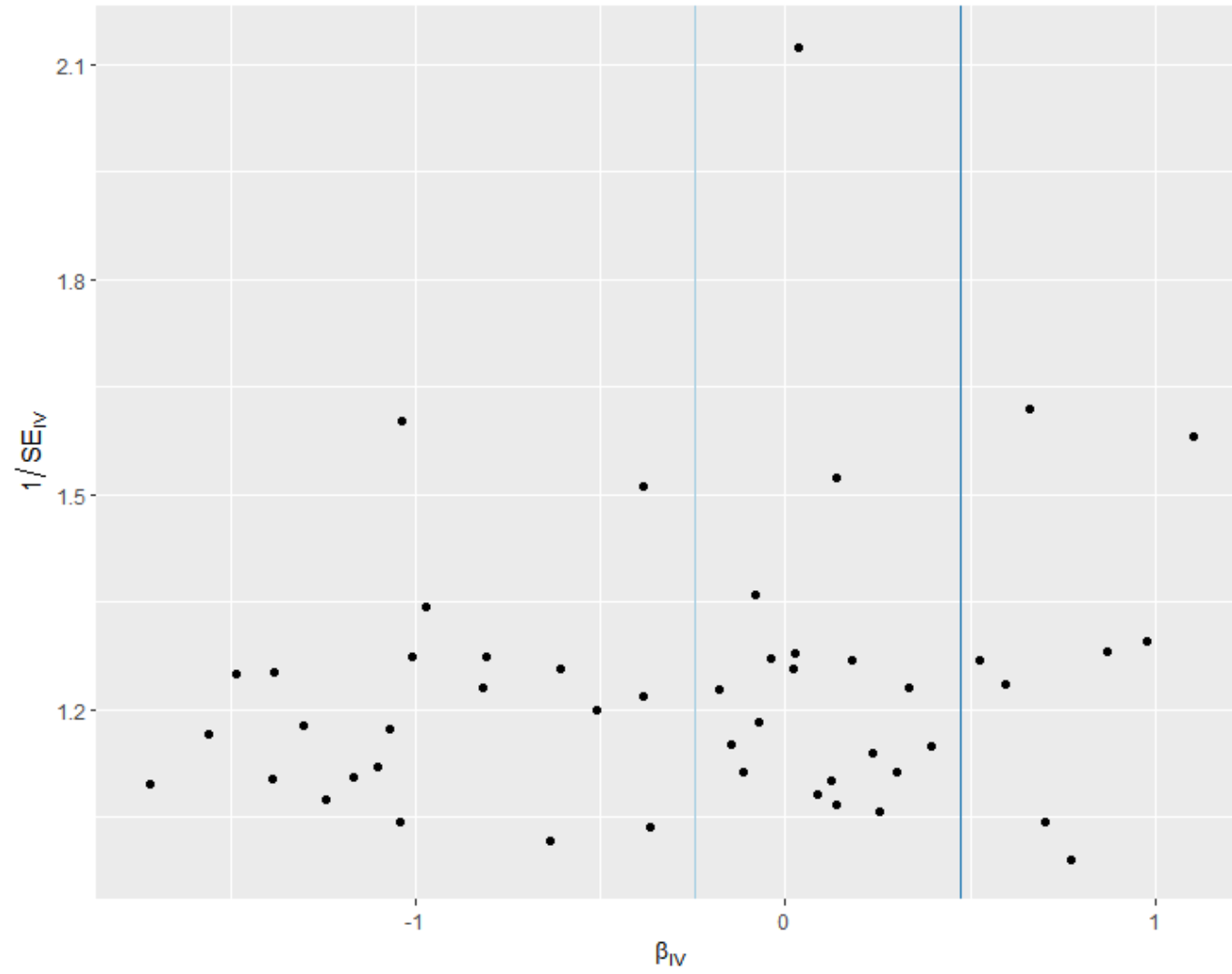


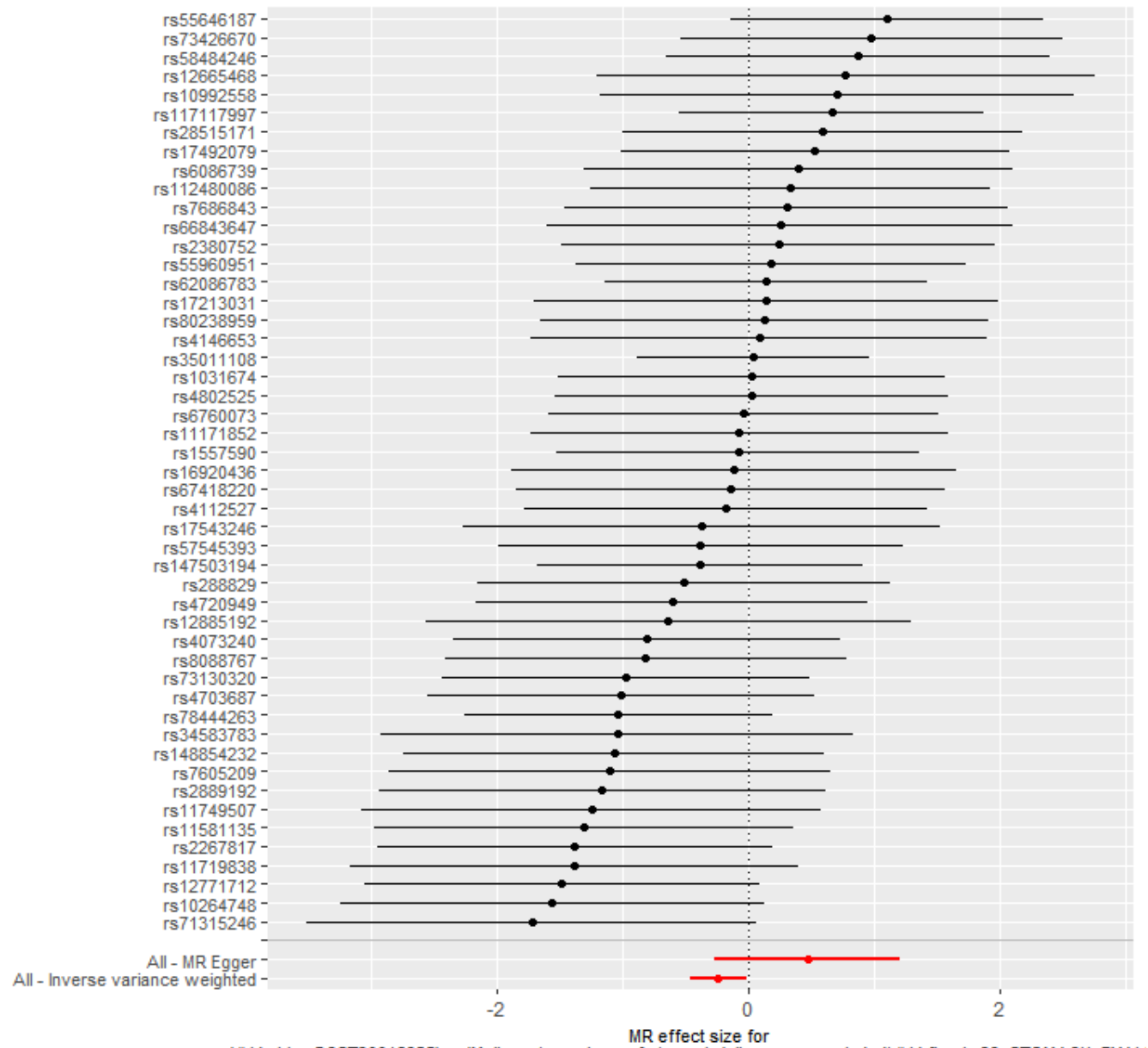
Figure 85 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Actinomycetaceae id.421) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





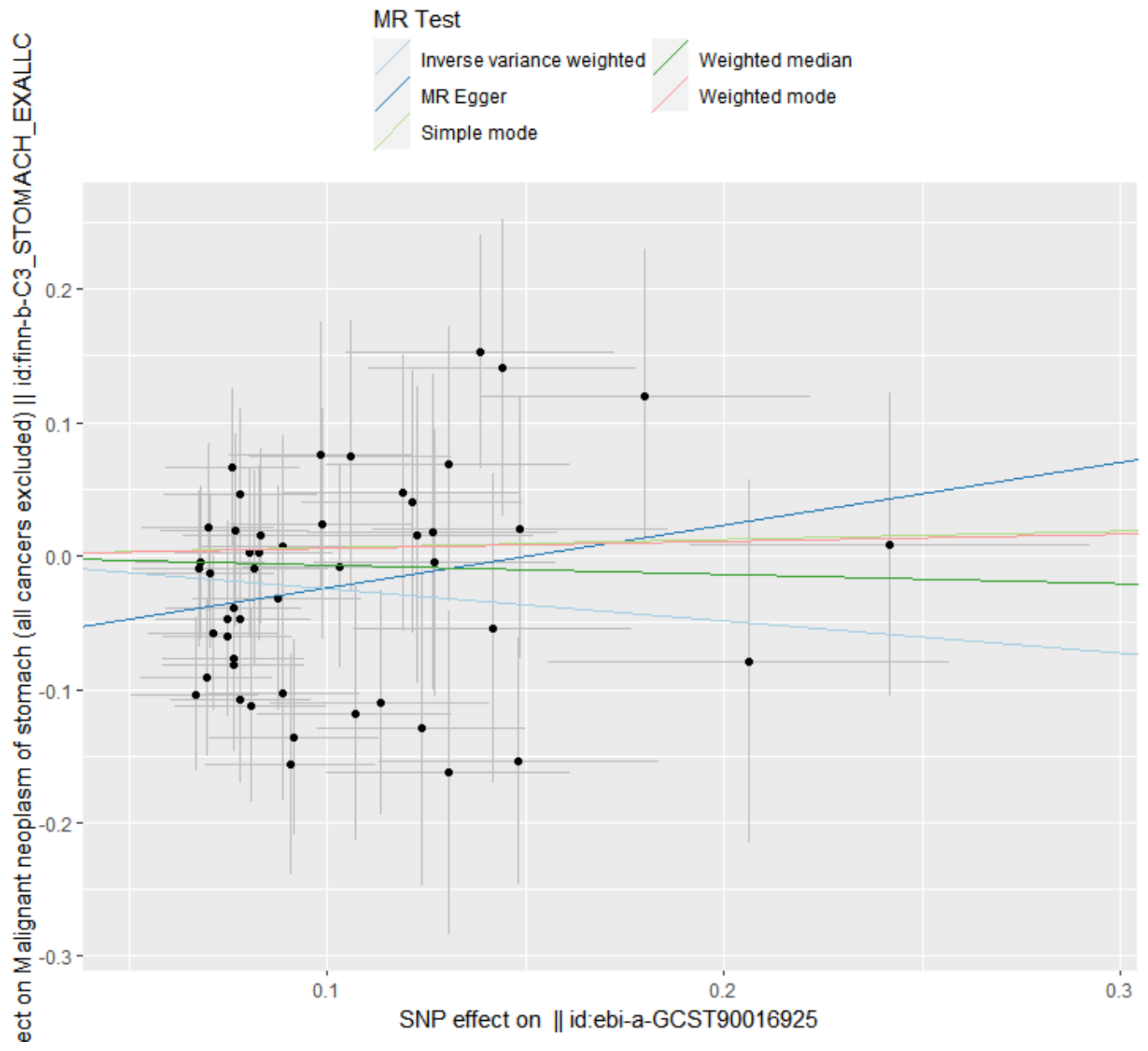
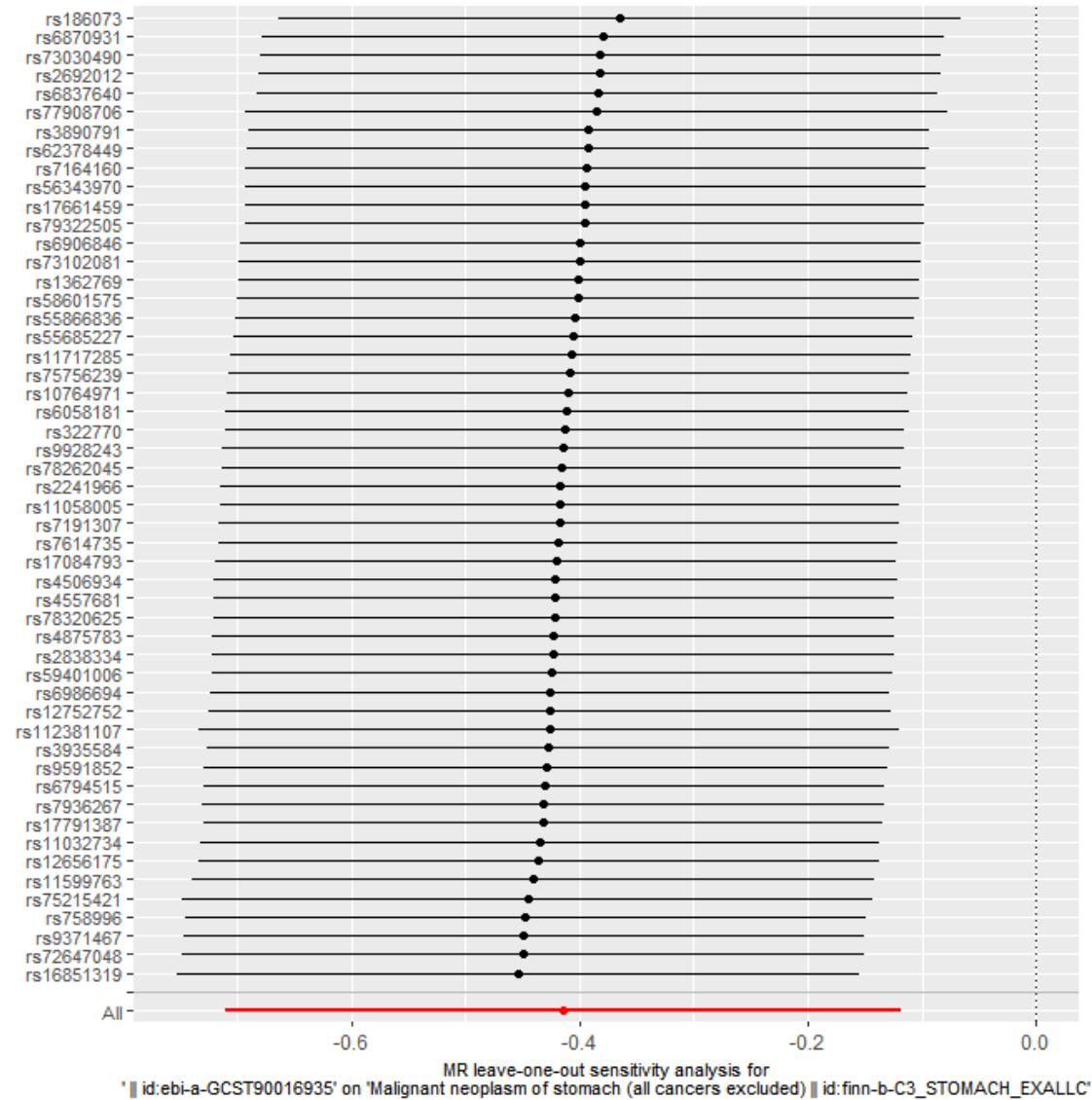
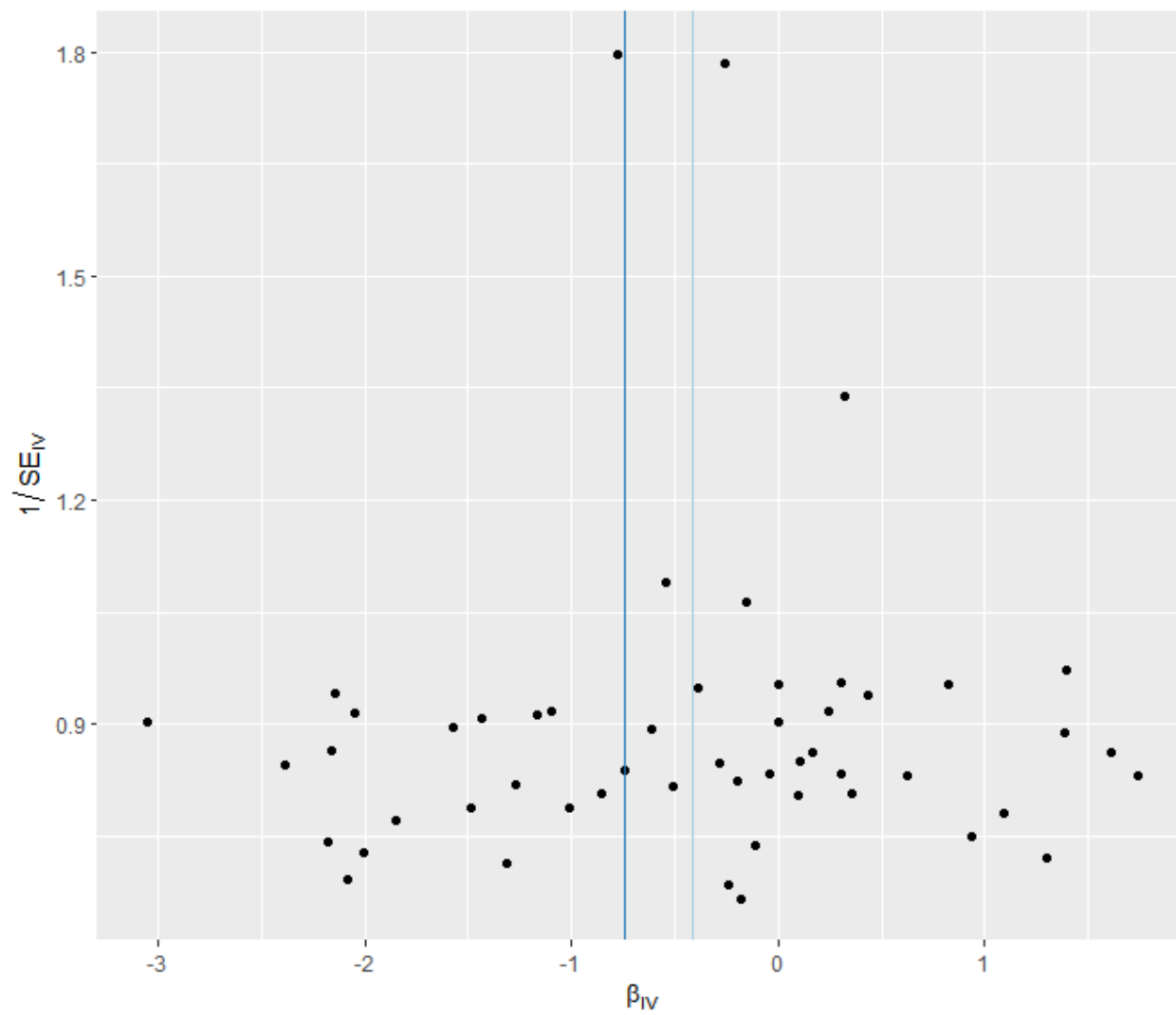


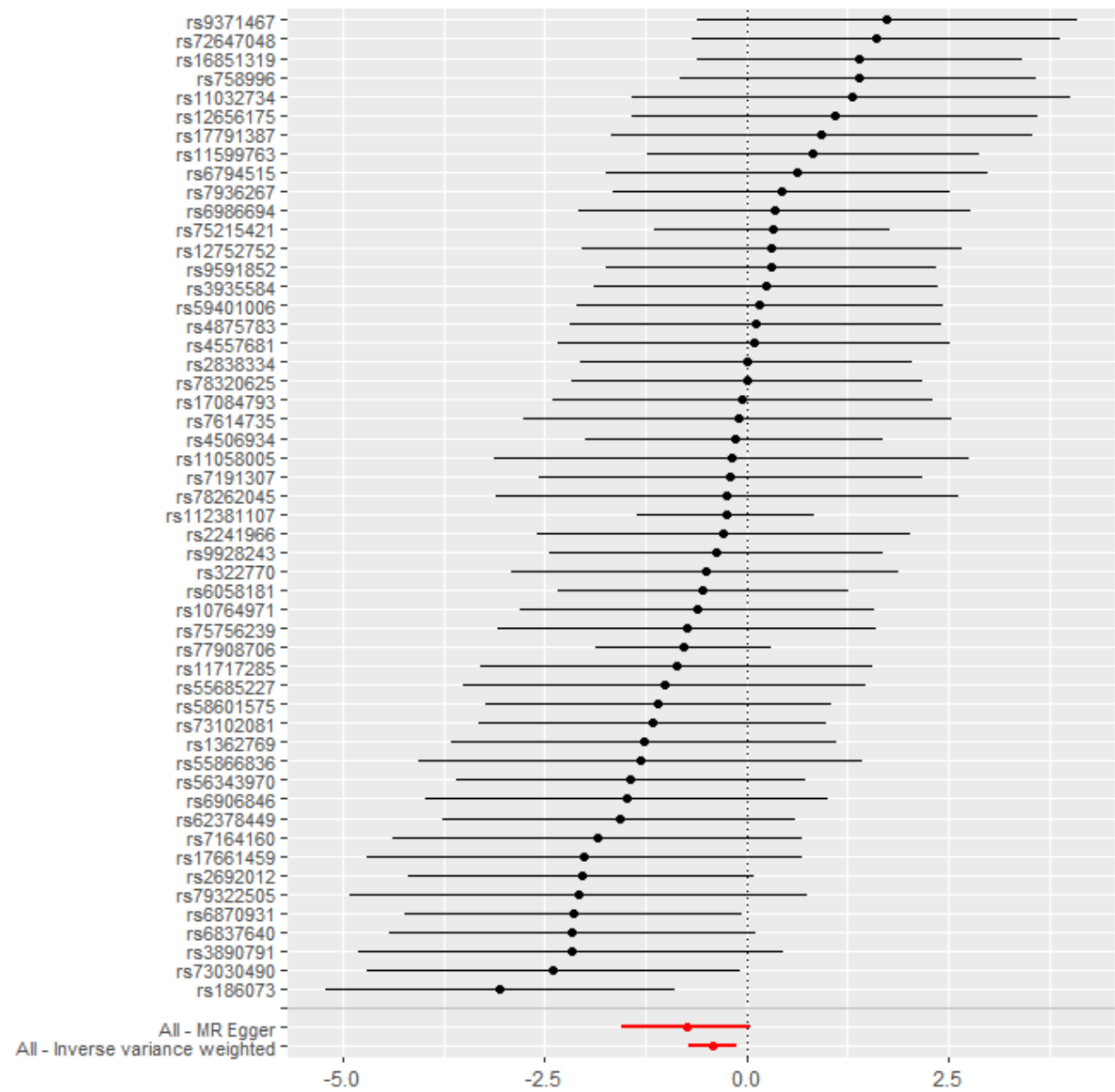
Figure 86 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Desulfovibrionaceae id.3169) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016935' on 'Malignant neoplasm of stomach (all cancers excluded)' || id:finn-b-C3_STOMACH_

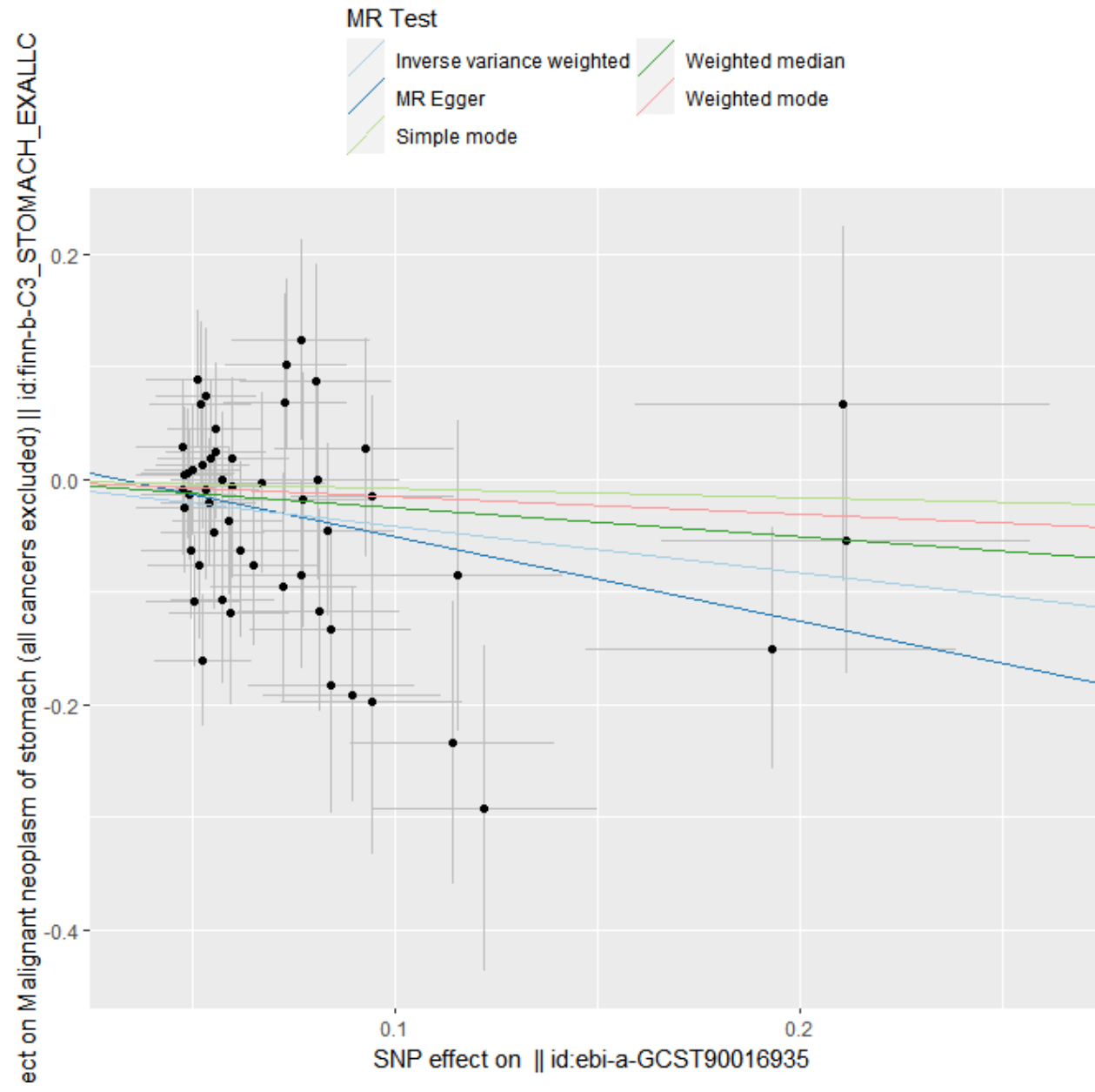
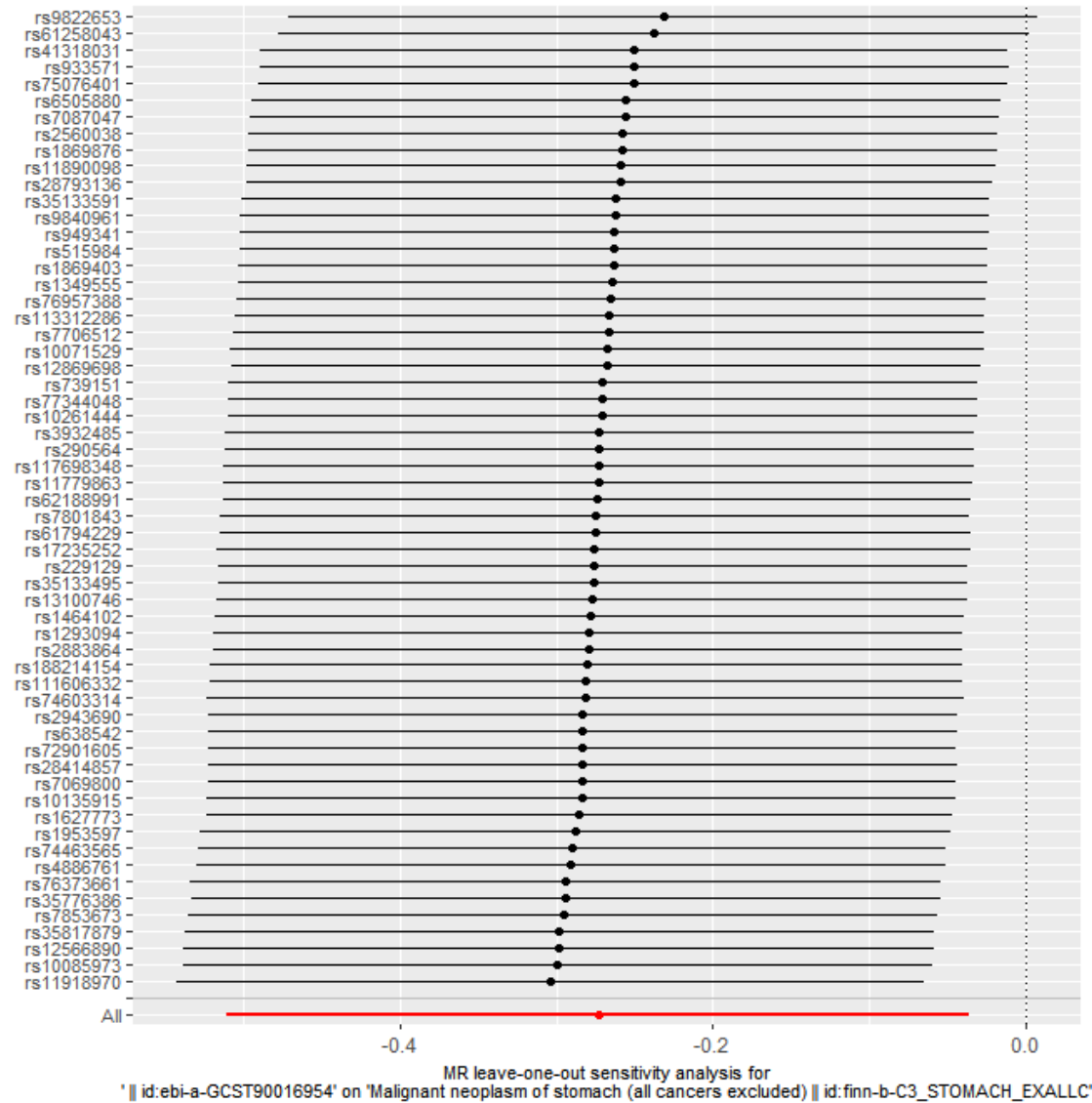
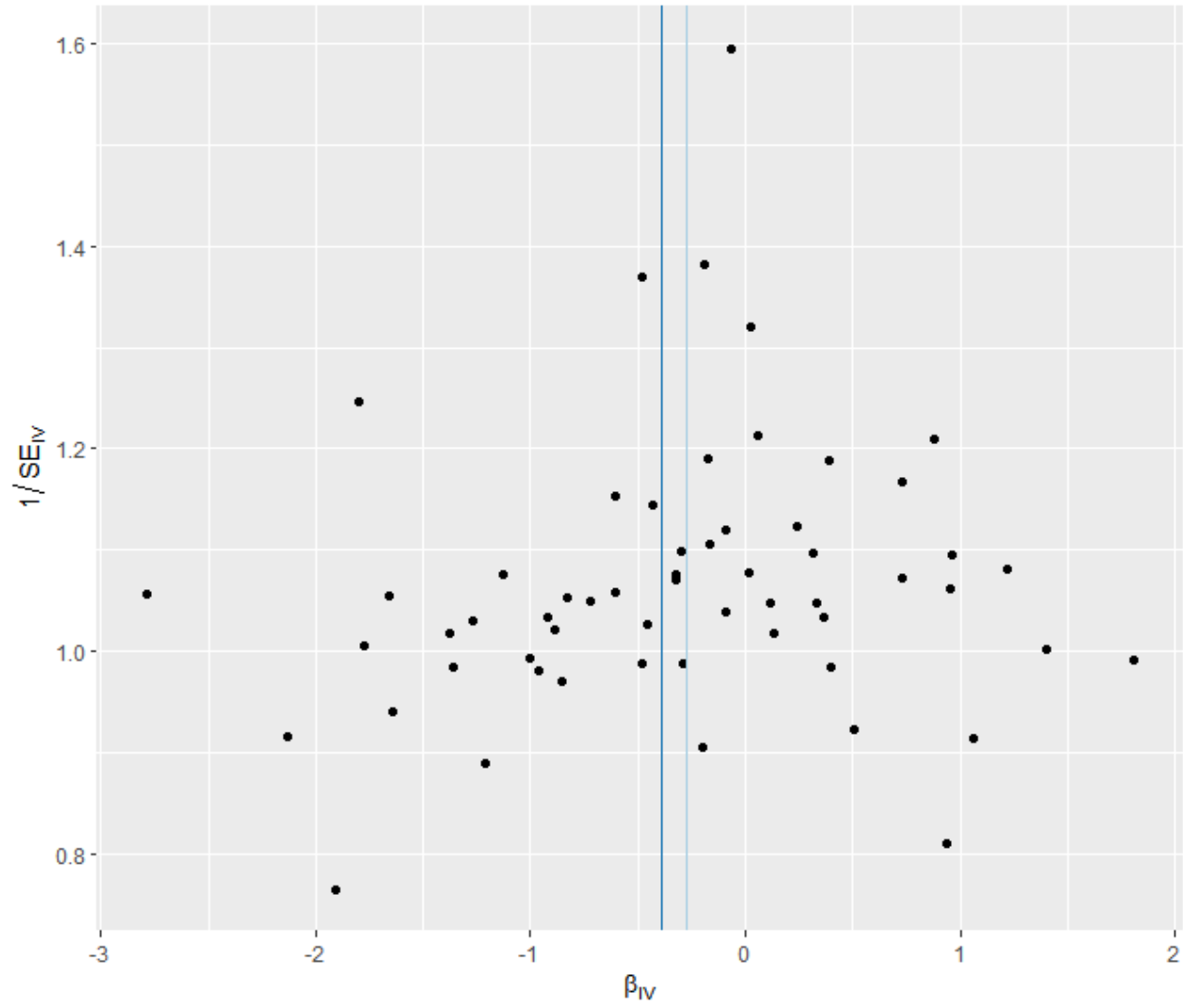


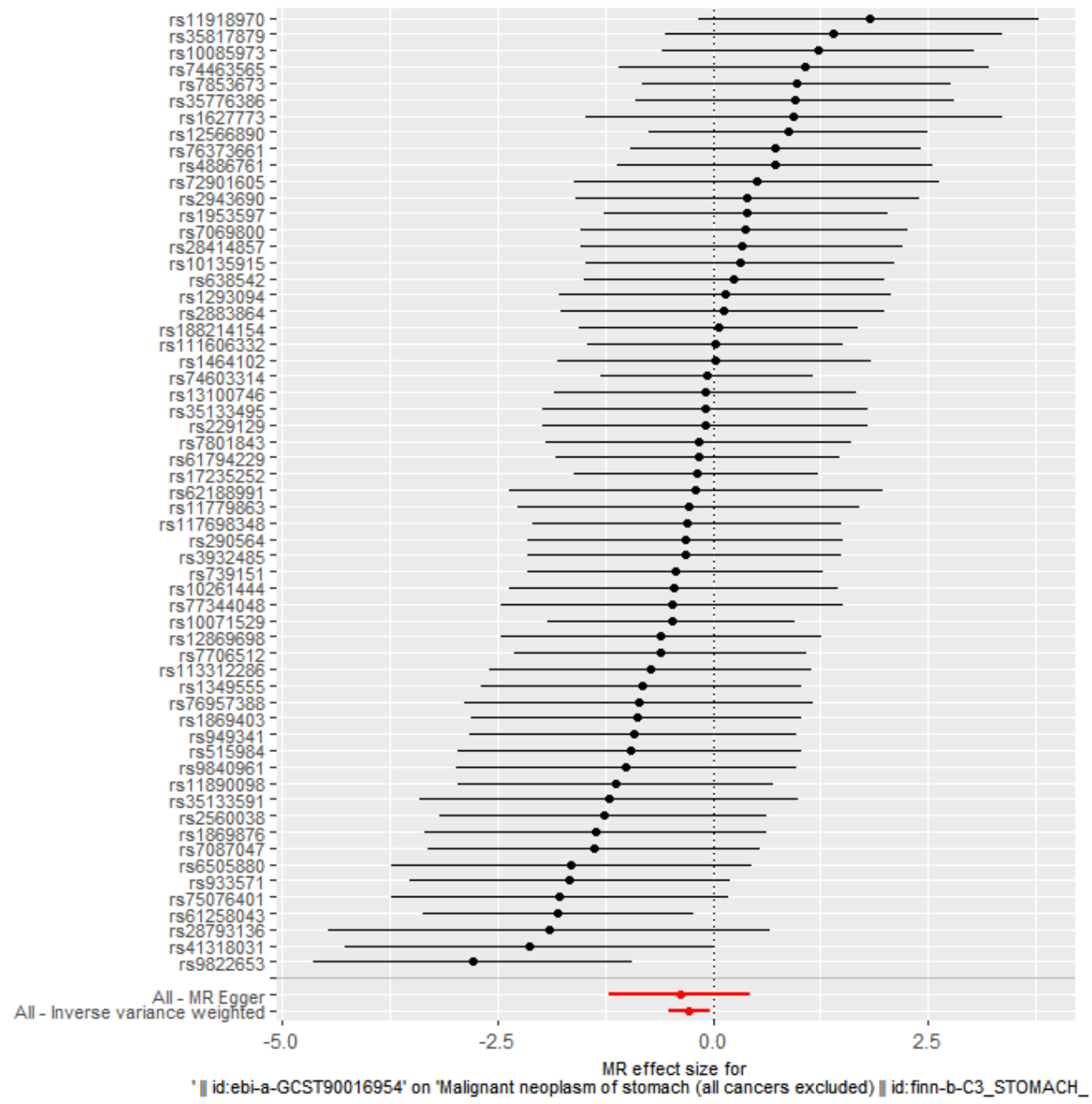
Figure 87 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown family id.1000005471) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





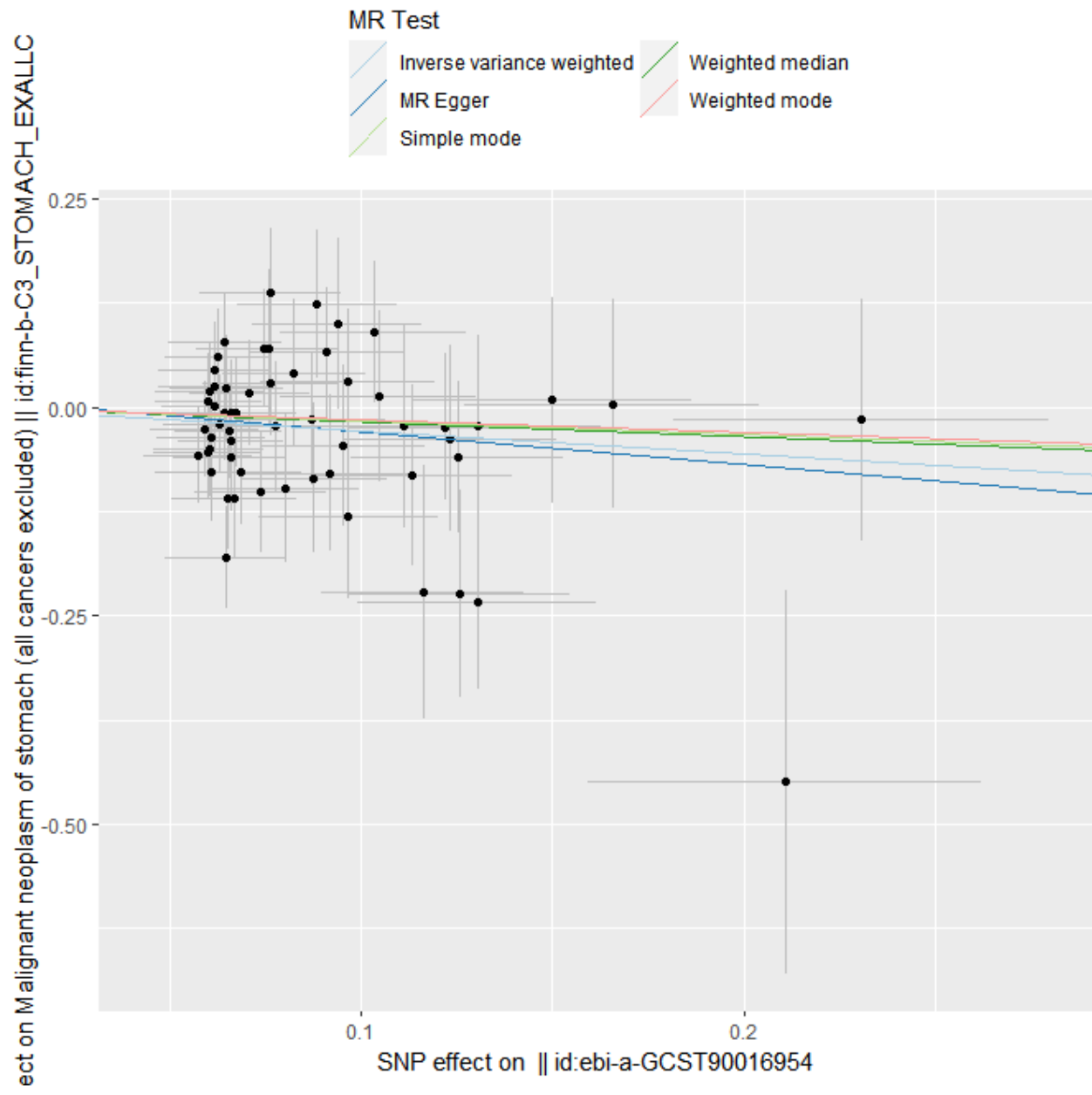
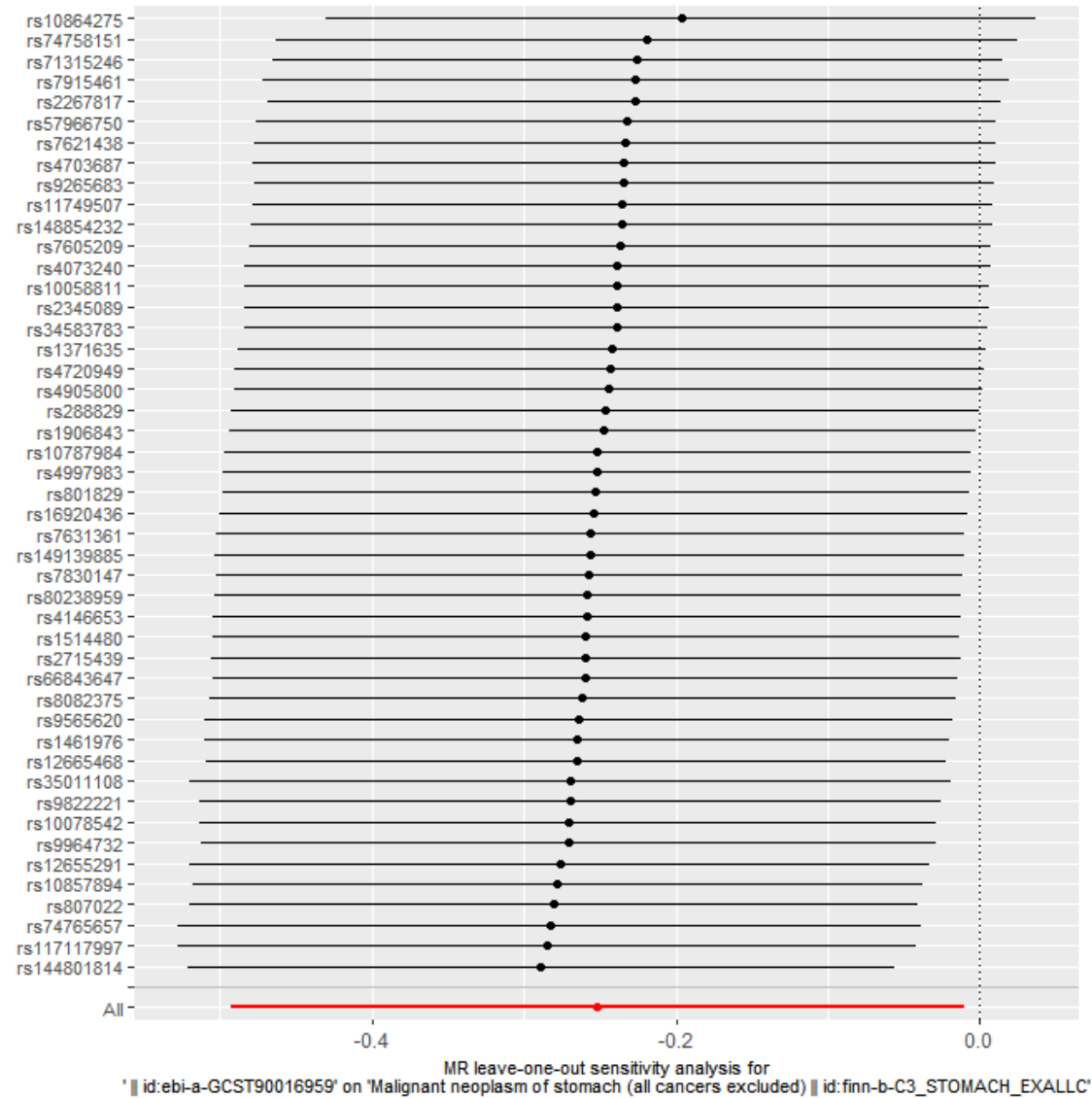
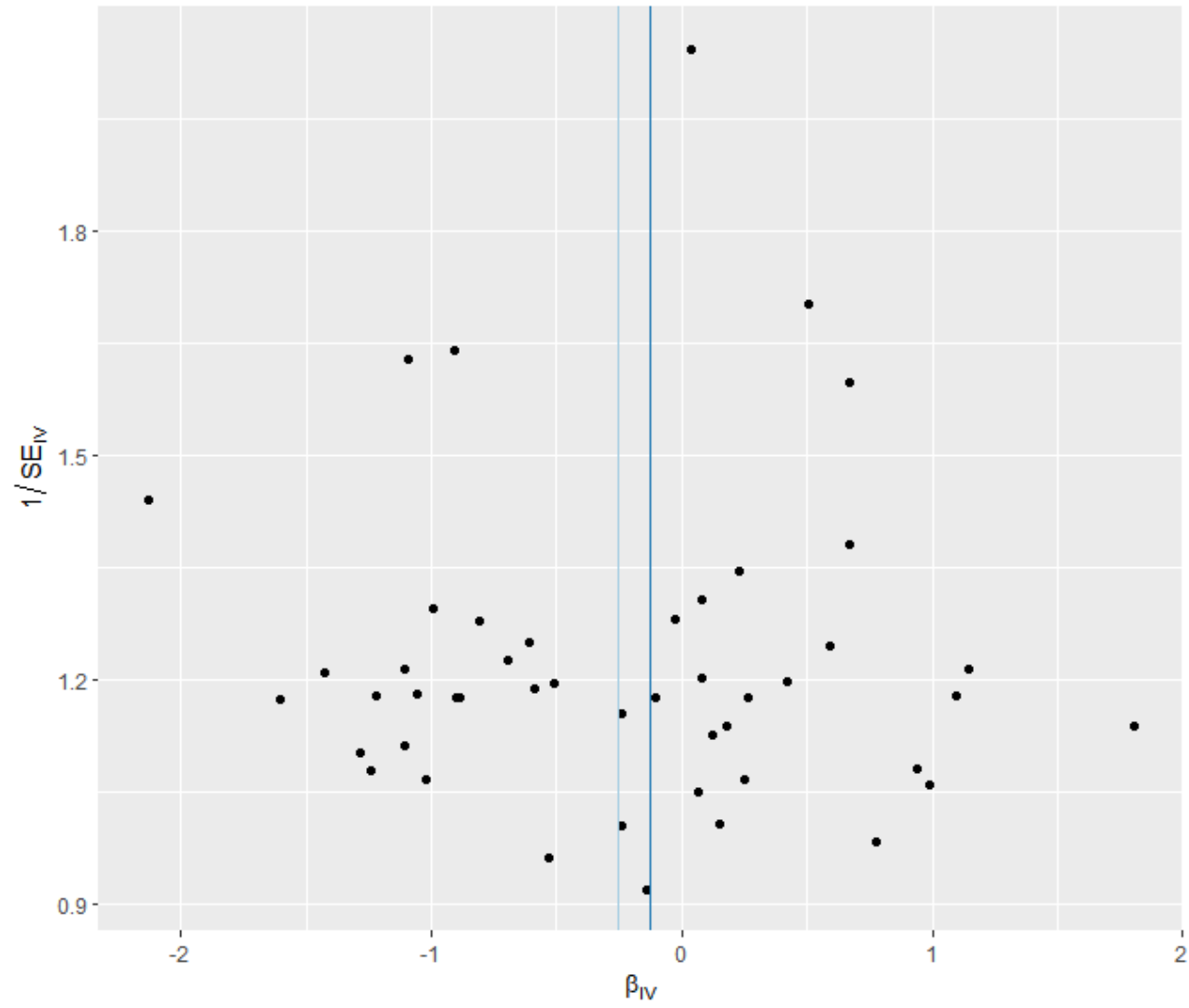


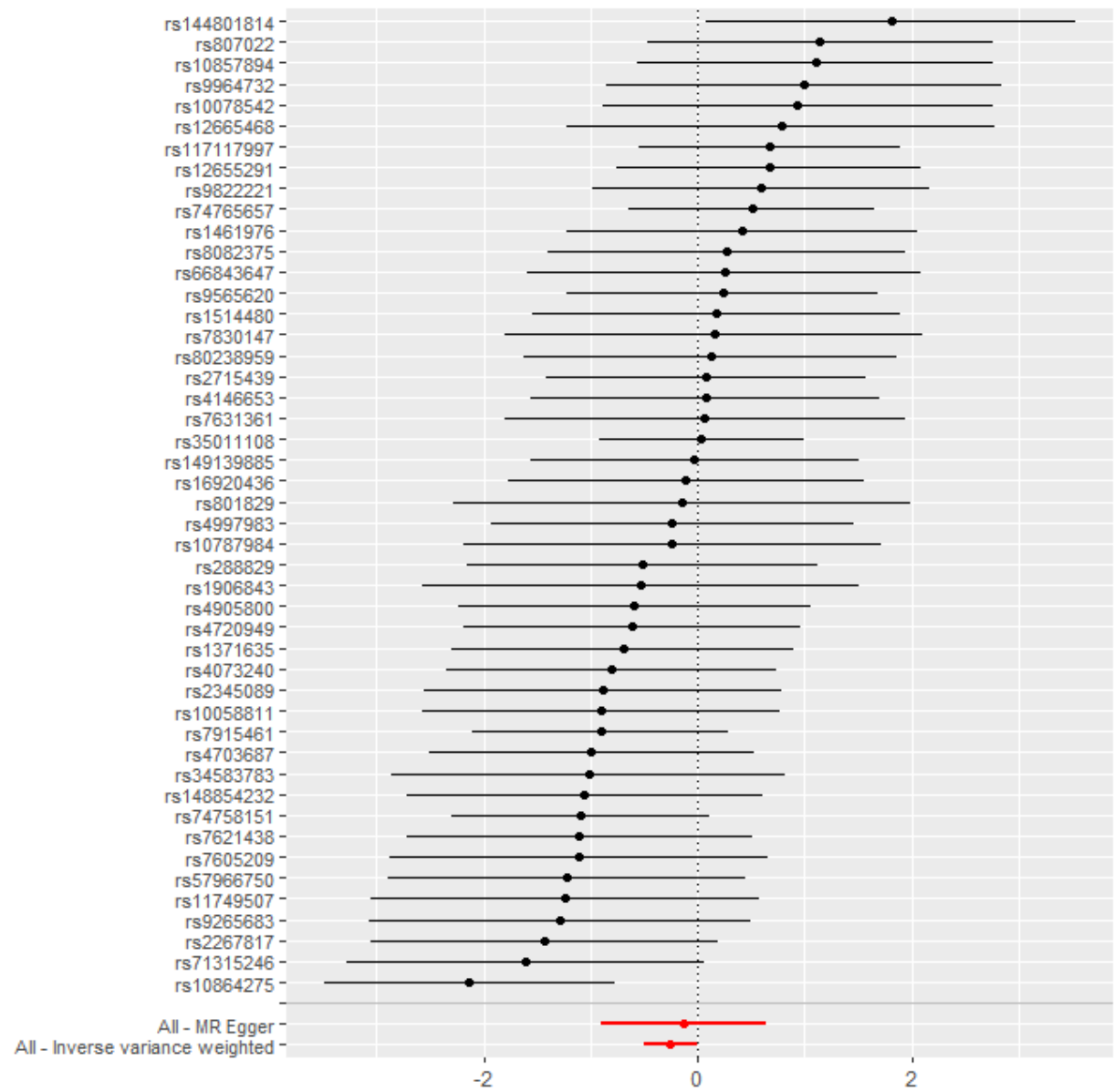
Figure 88 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Actinomyces id.423) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016959' on 'Malignant neoplasm of stomach (all cancers excluded)' || id:finn-b-C3_STOMACH_

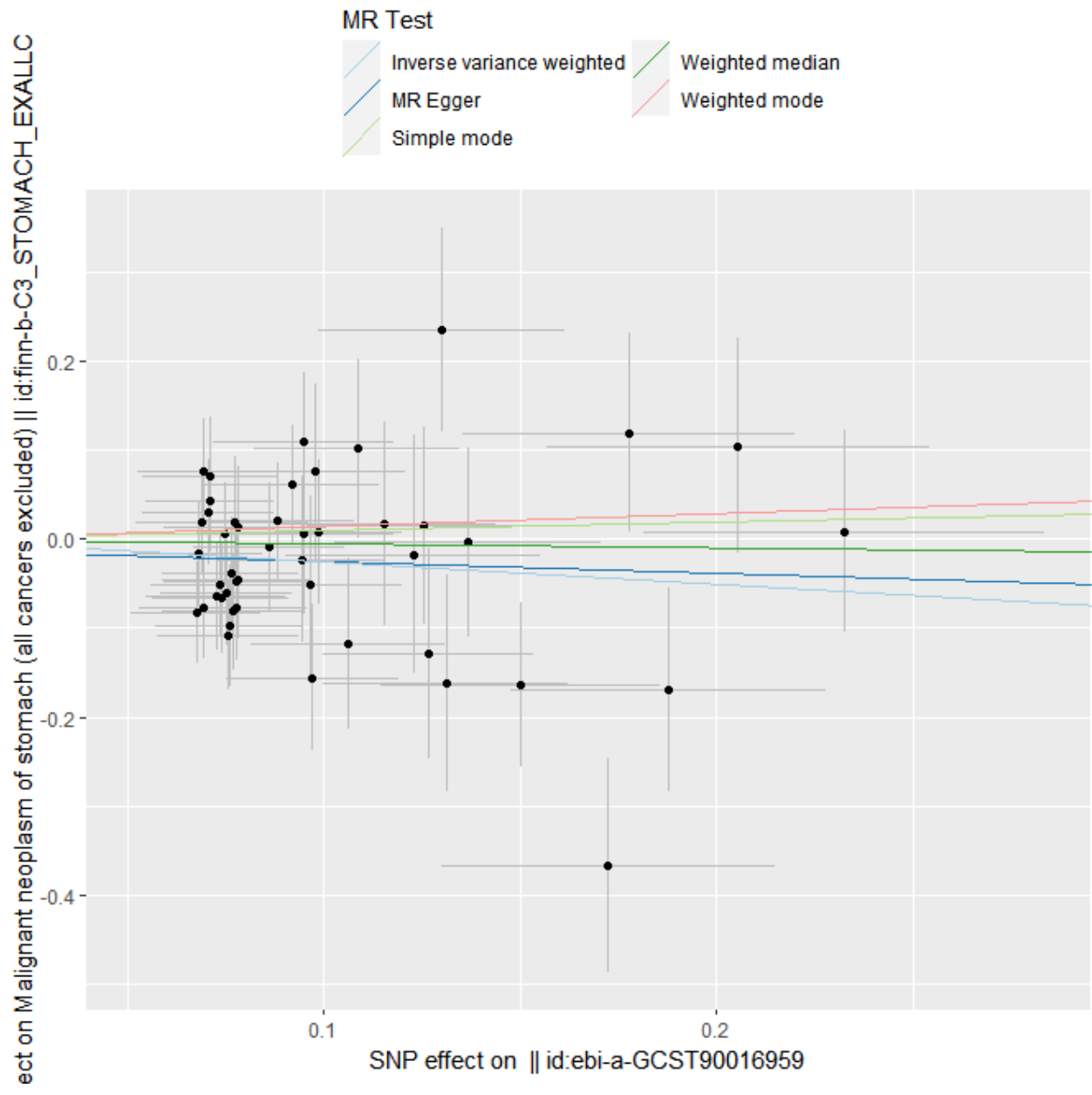
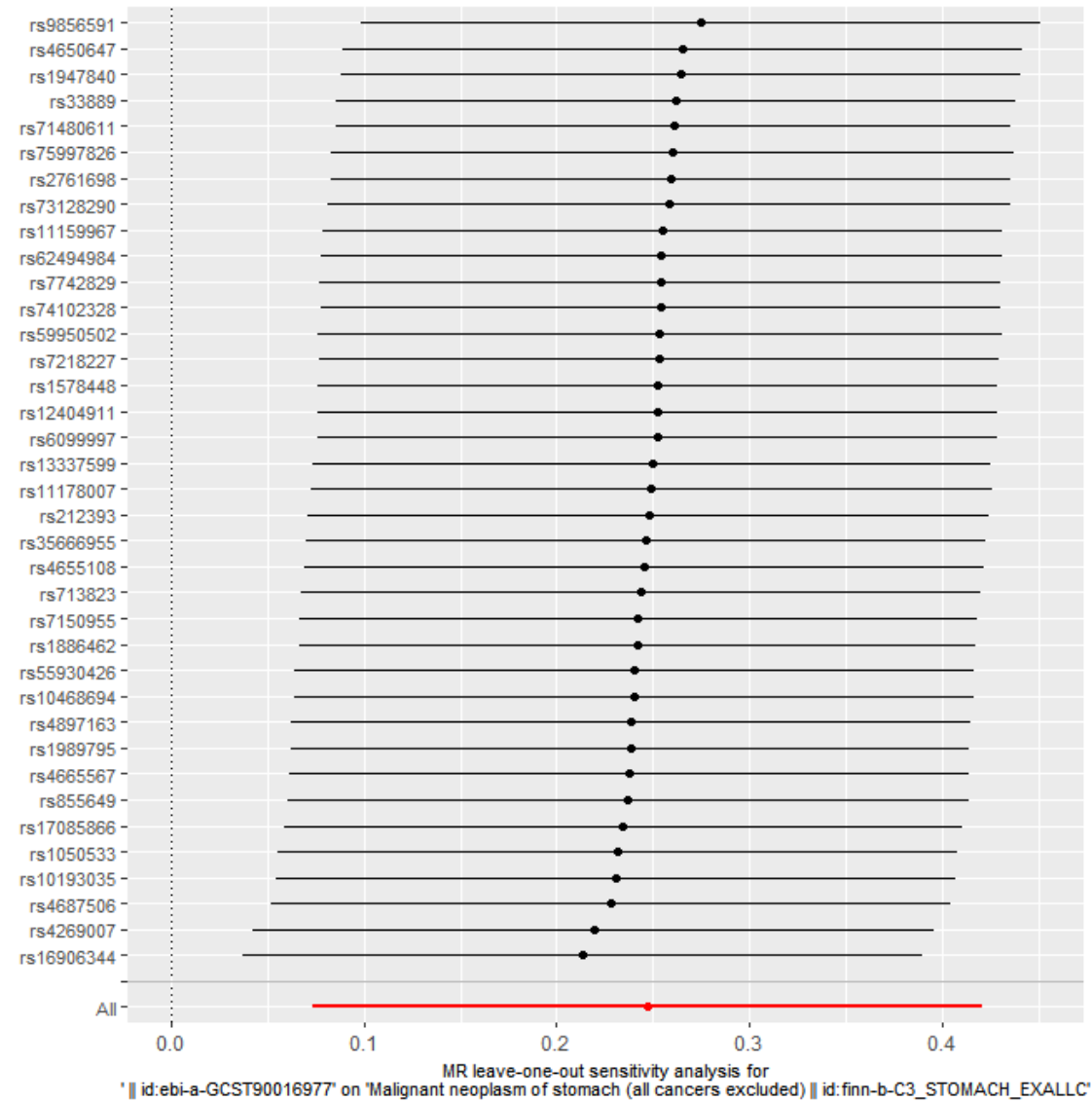
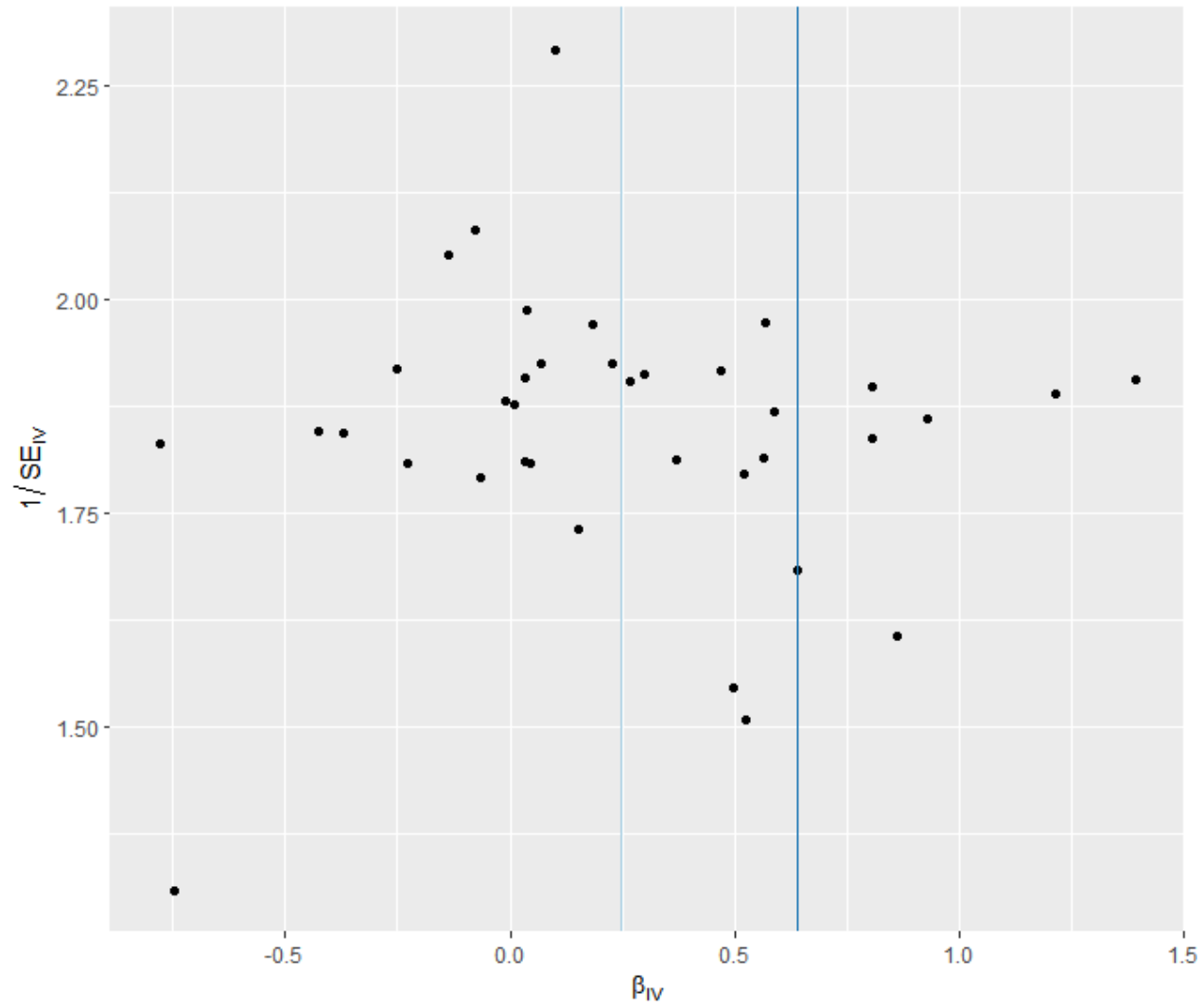


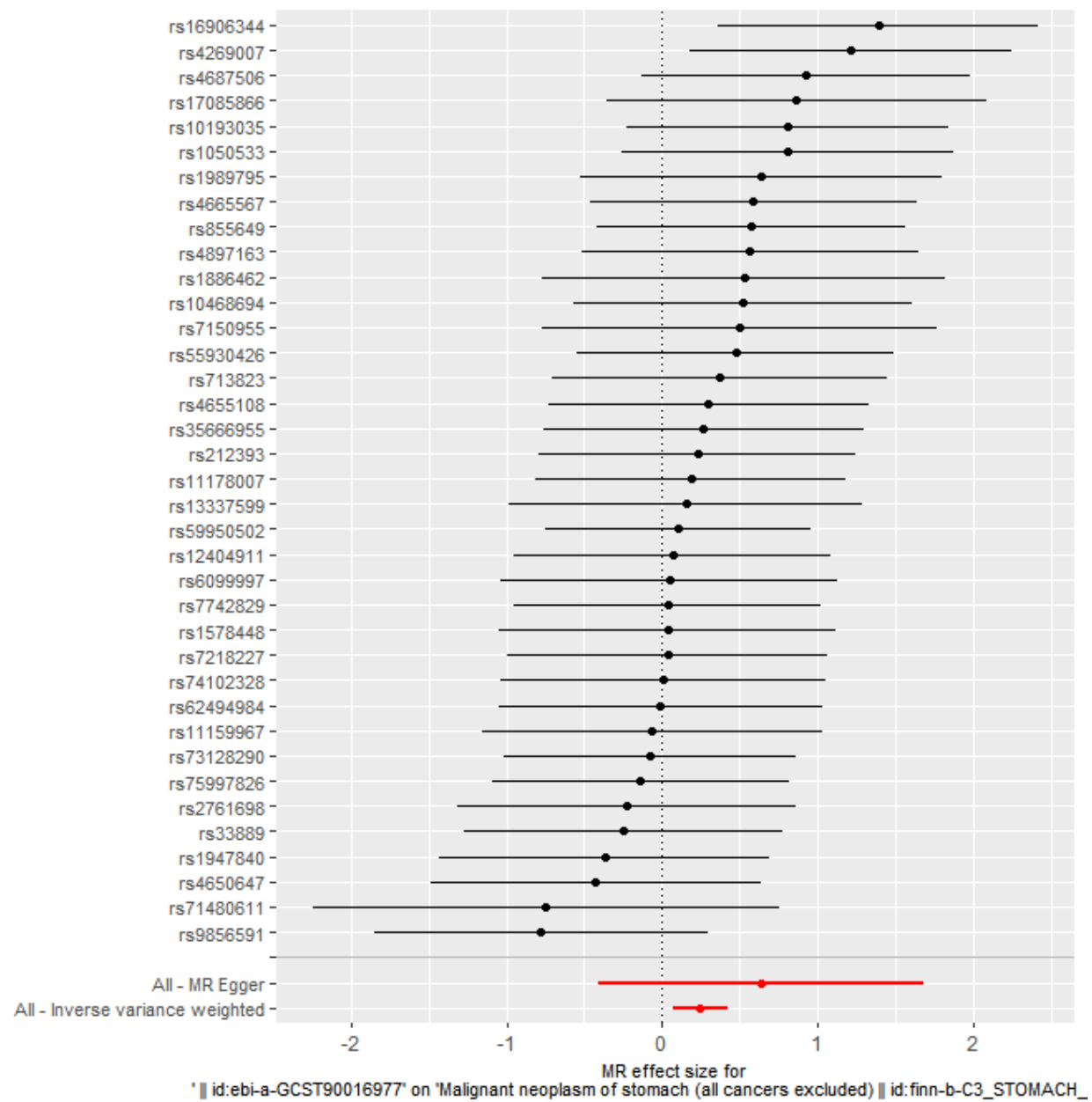
Figure 89 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Catenibacterium* id.2153) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





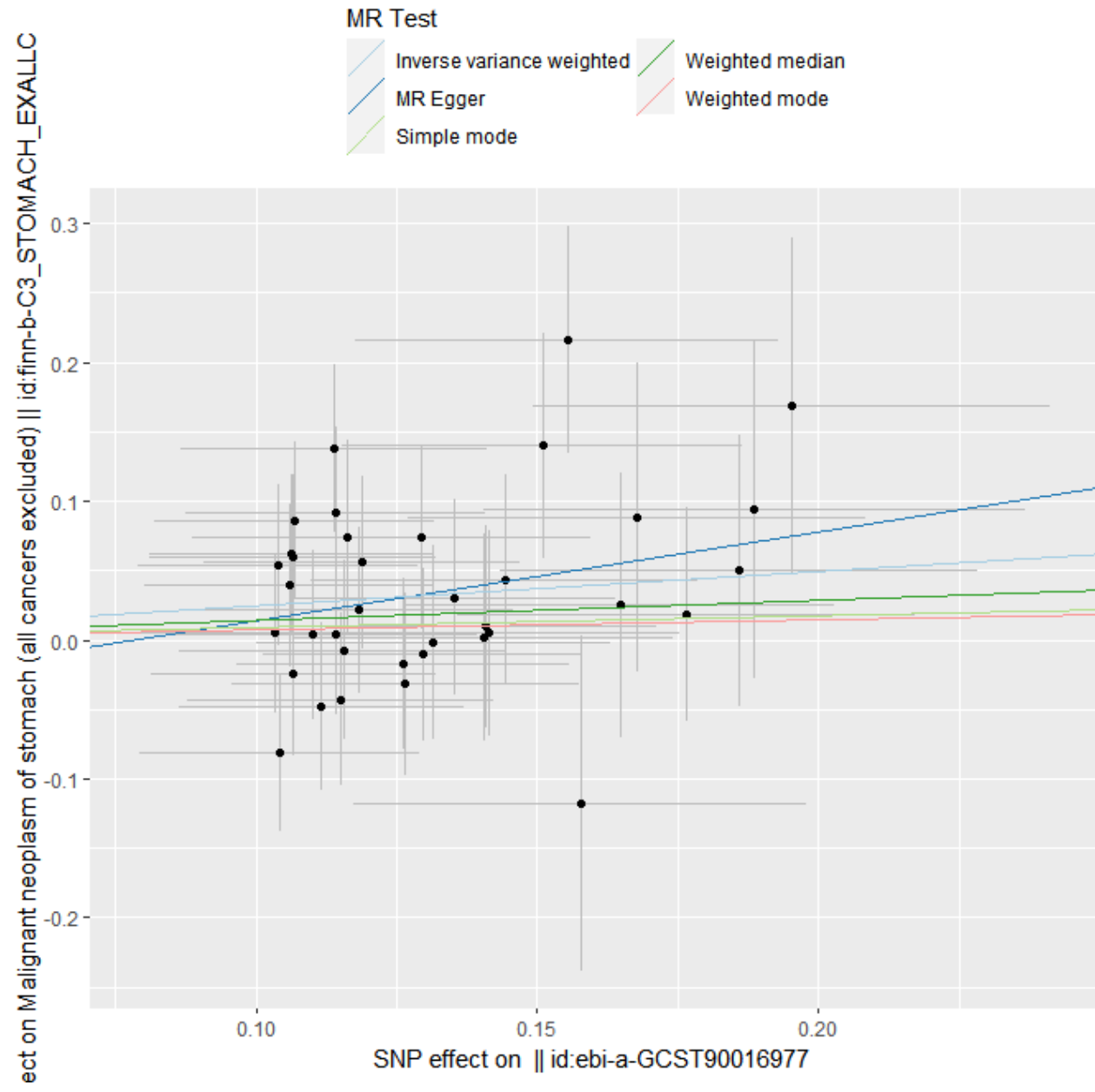
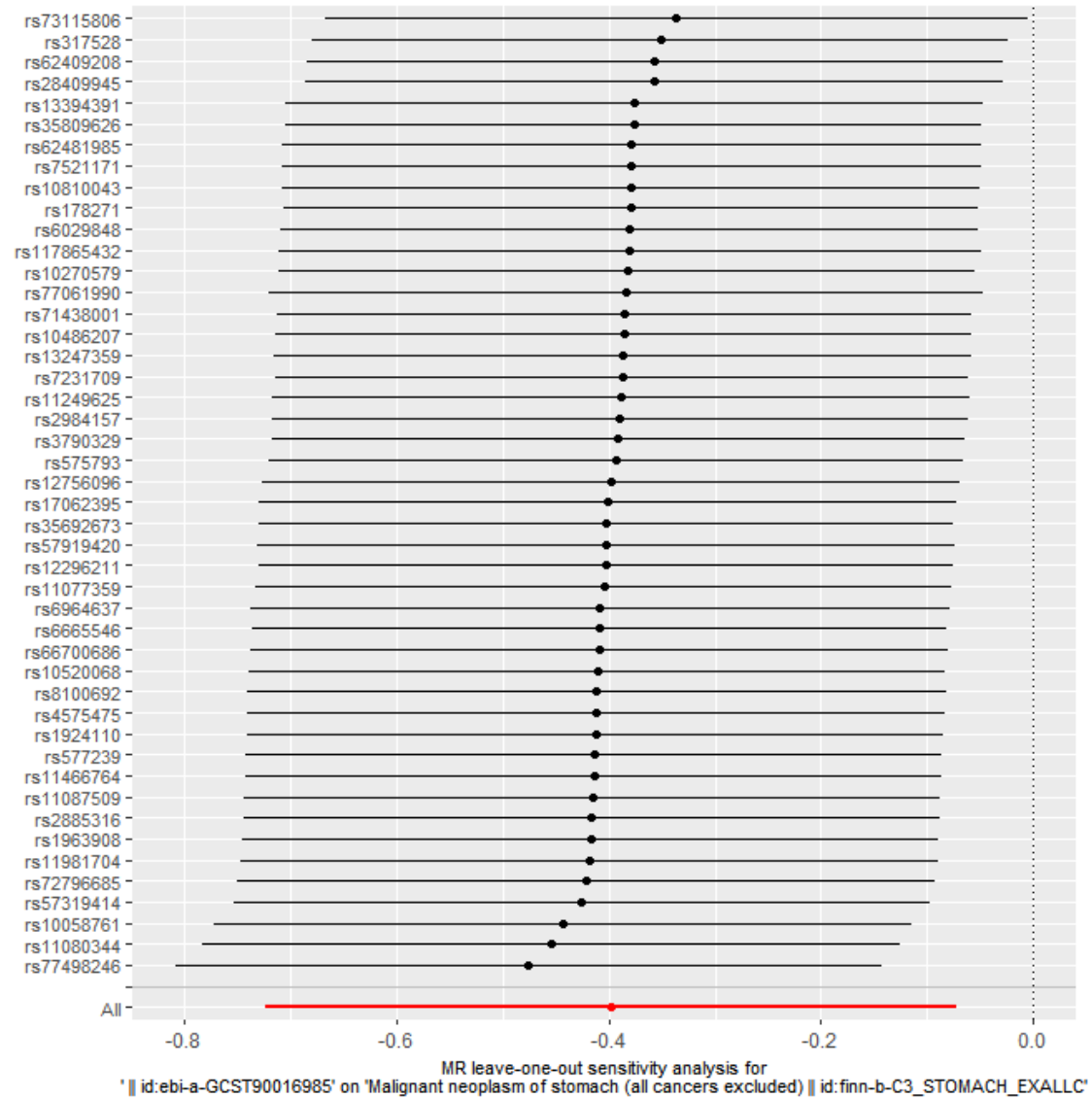
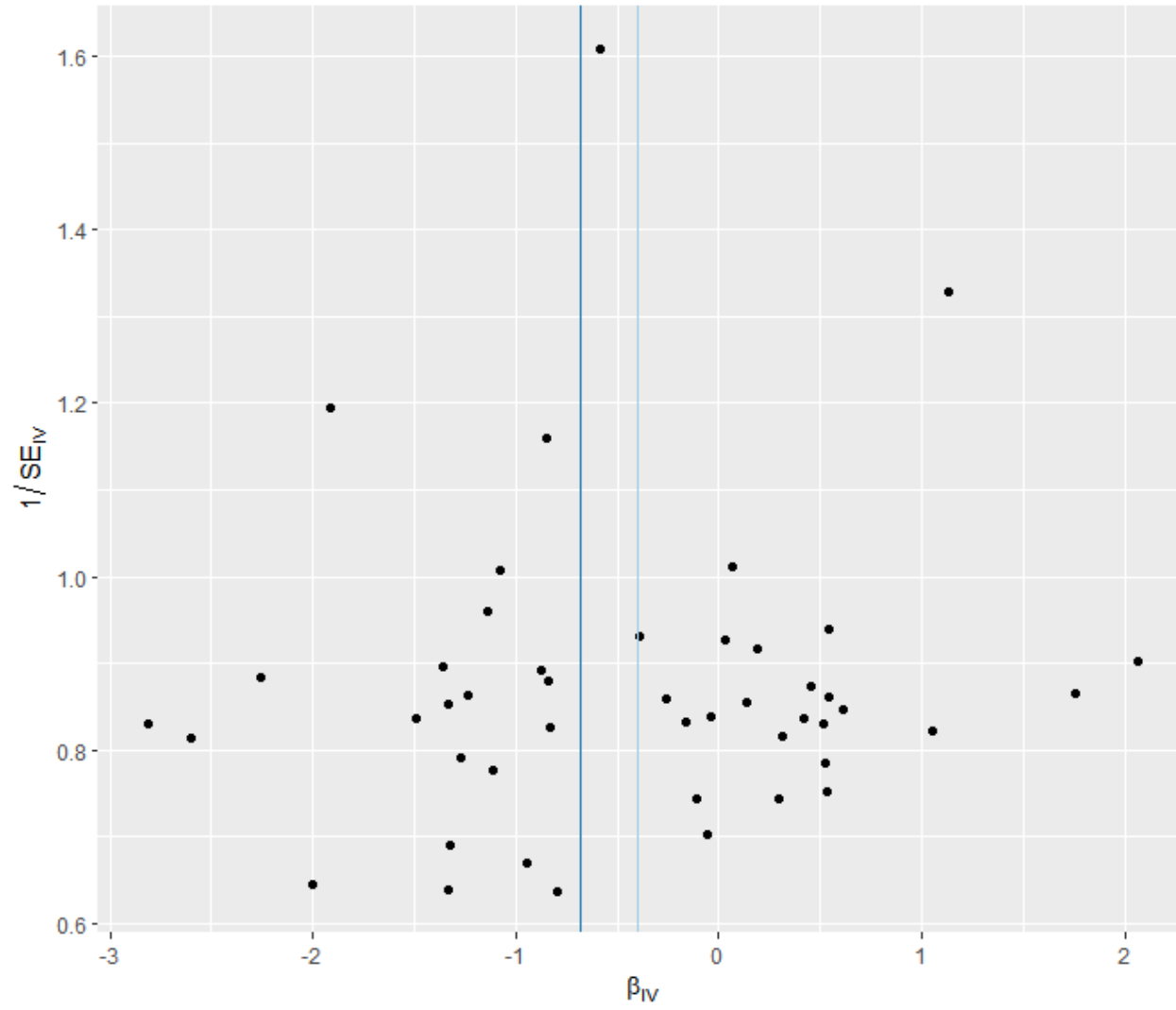


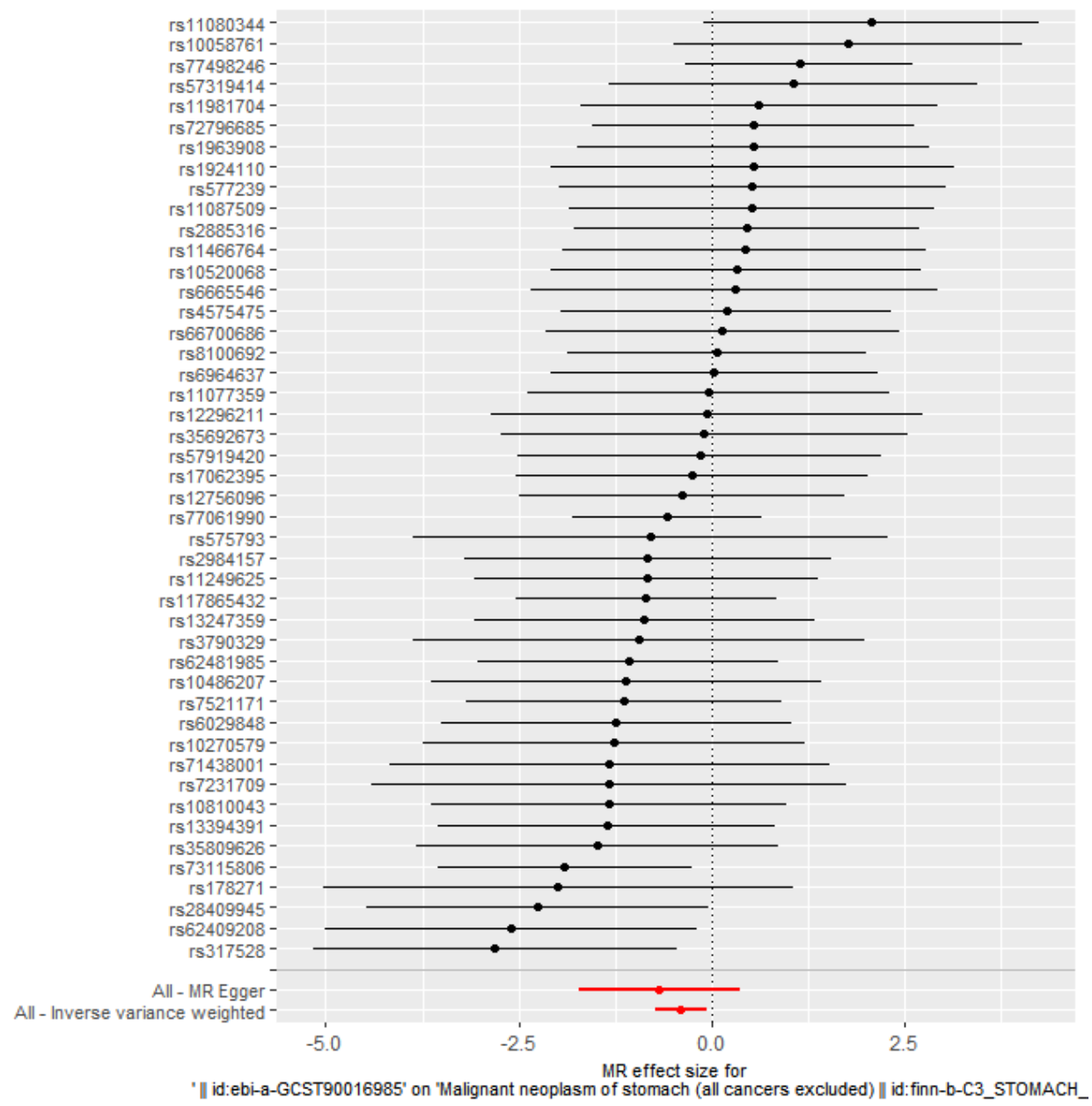
Figure 90 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Coprococcus3 id.11303) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





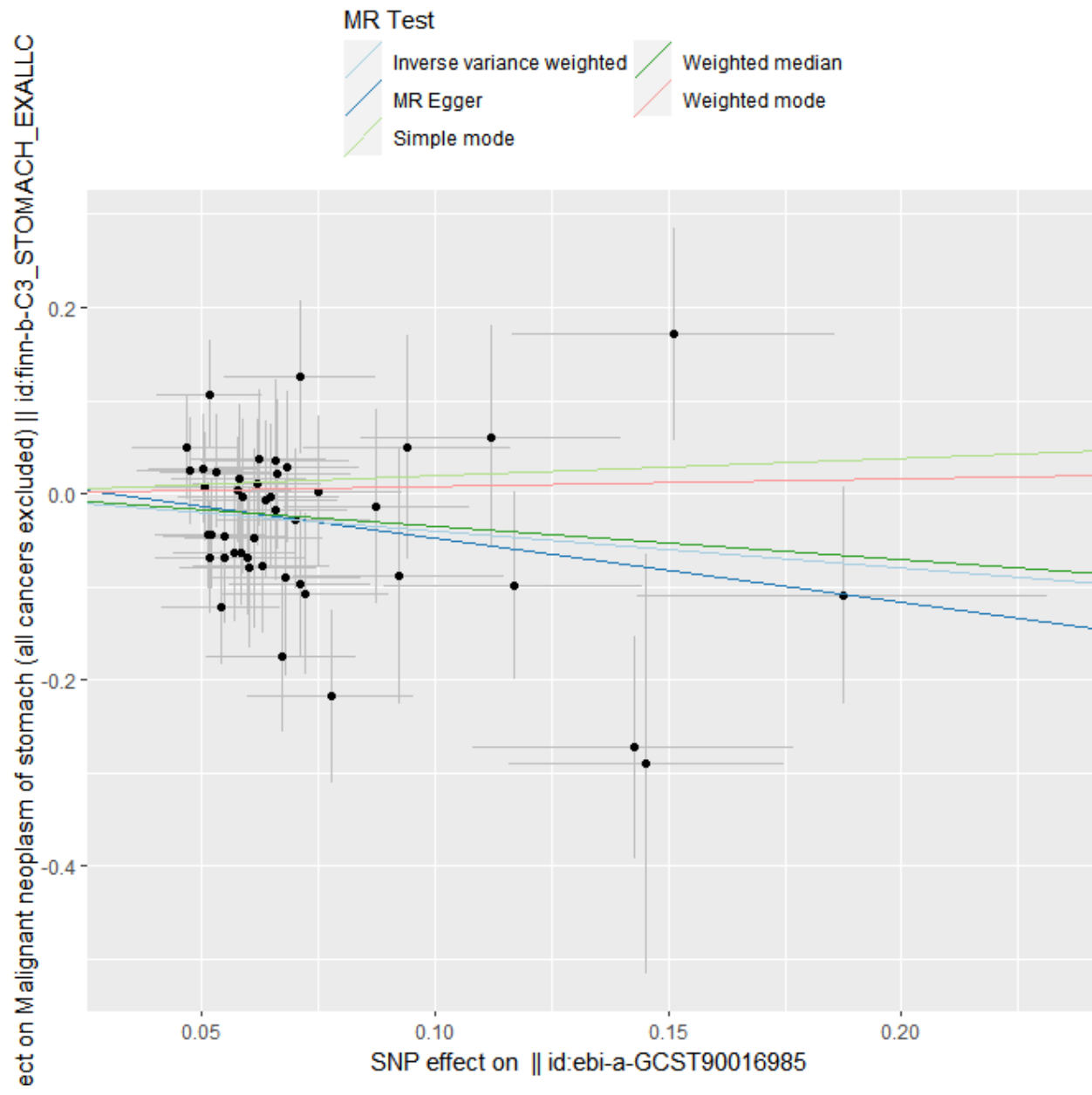
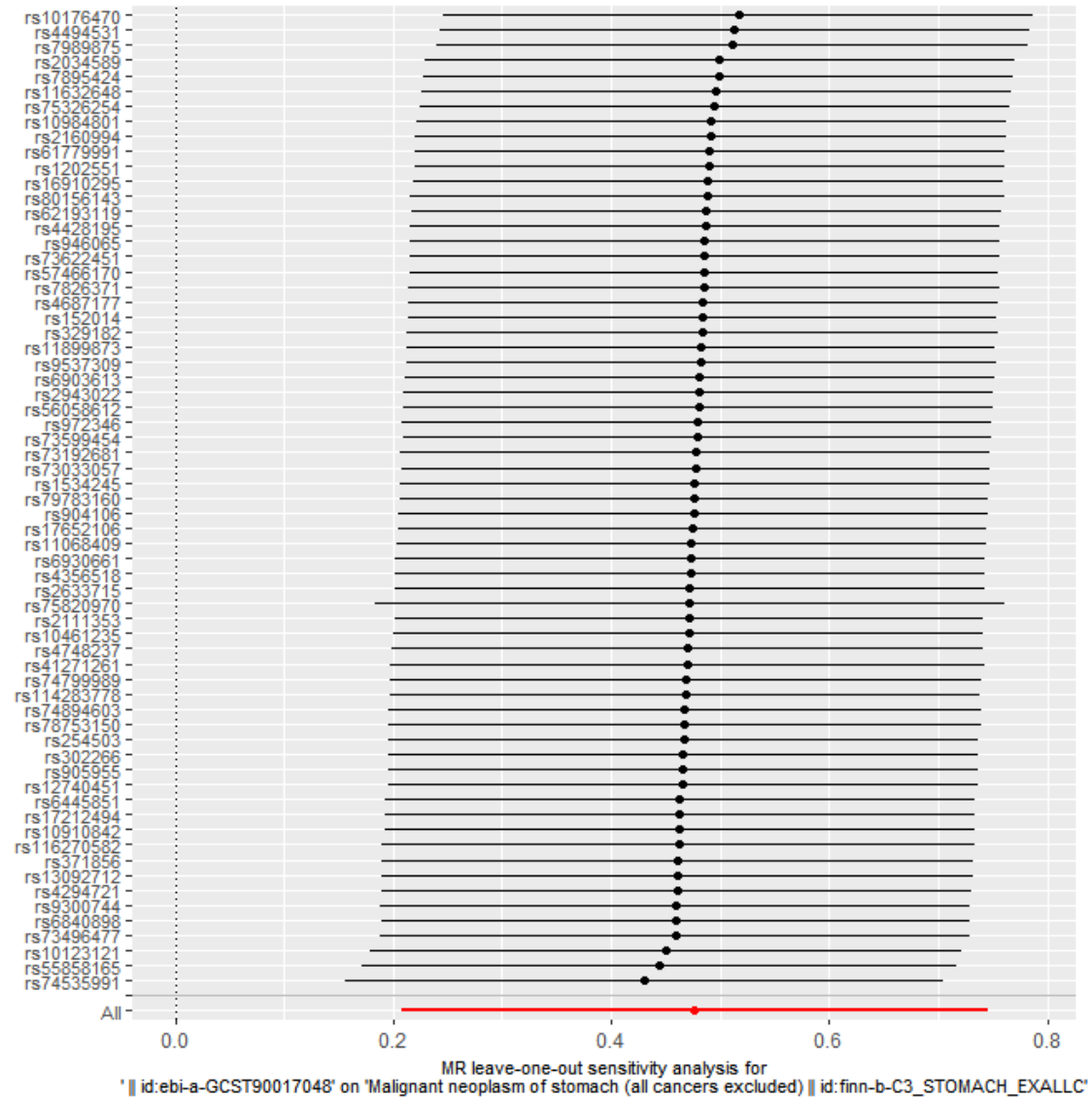
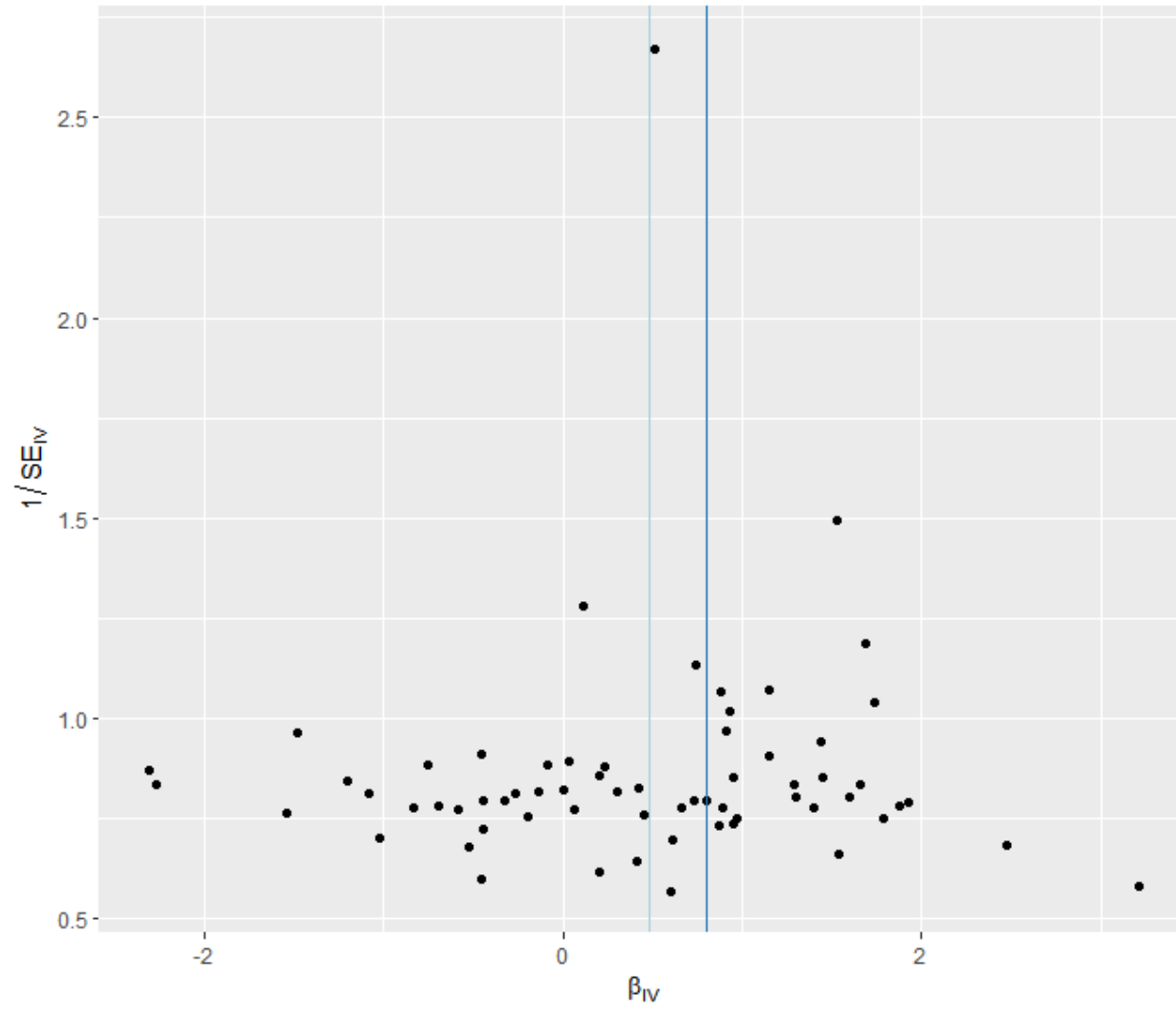


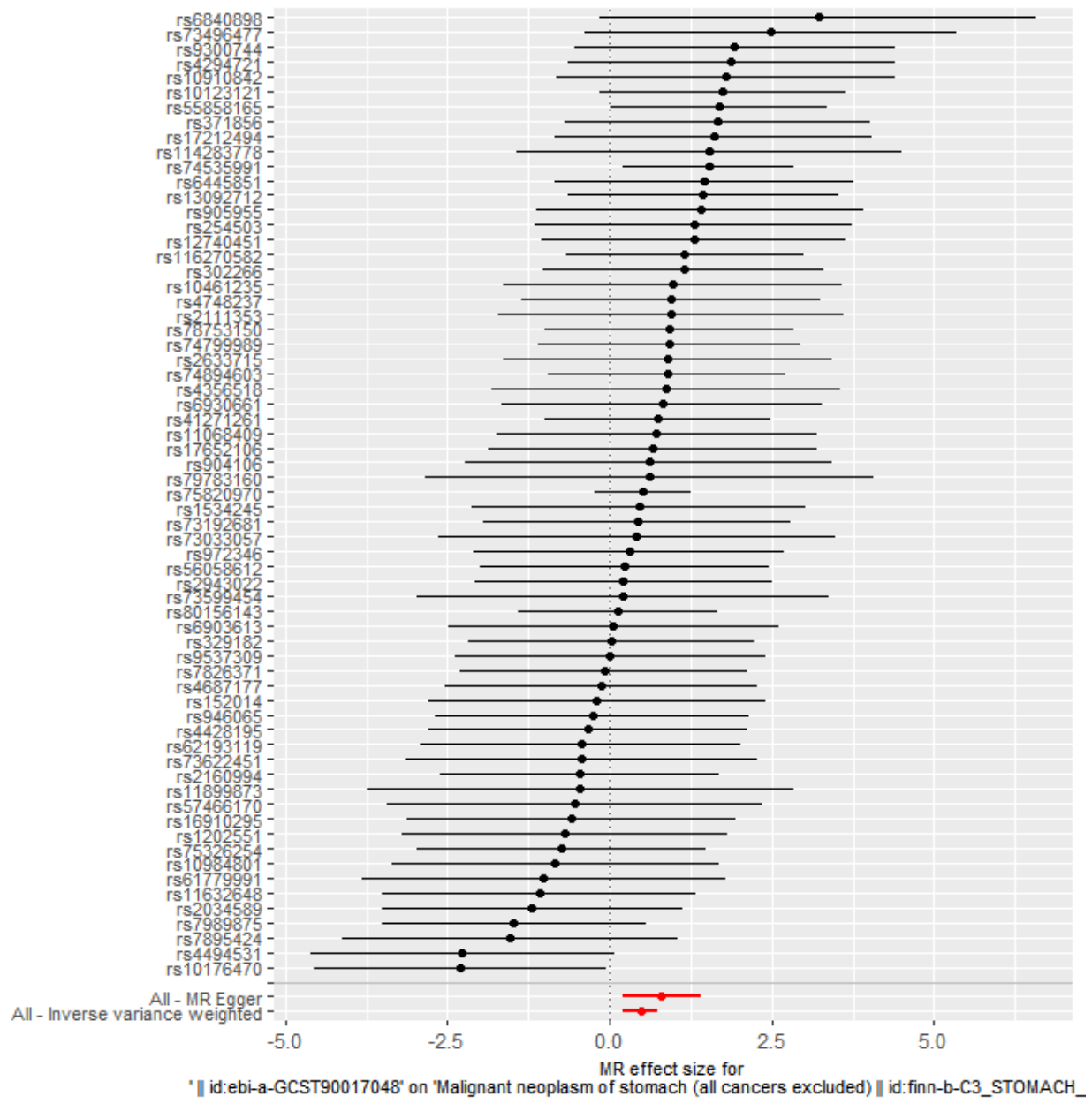
Figure 91 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Roseburia id.2012) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





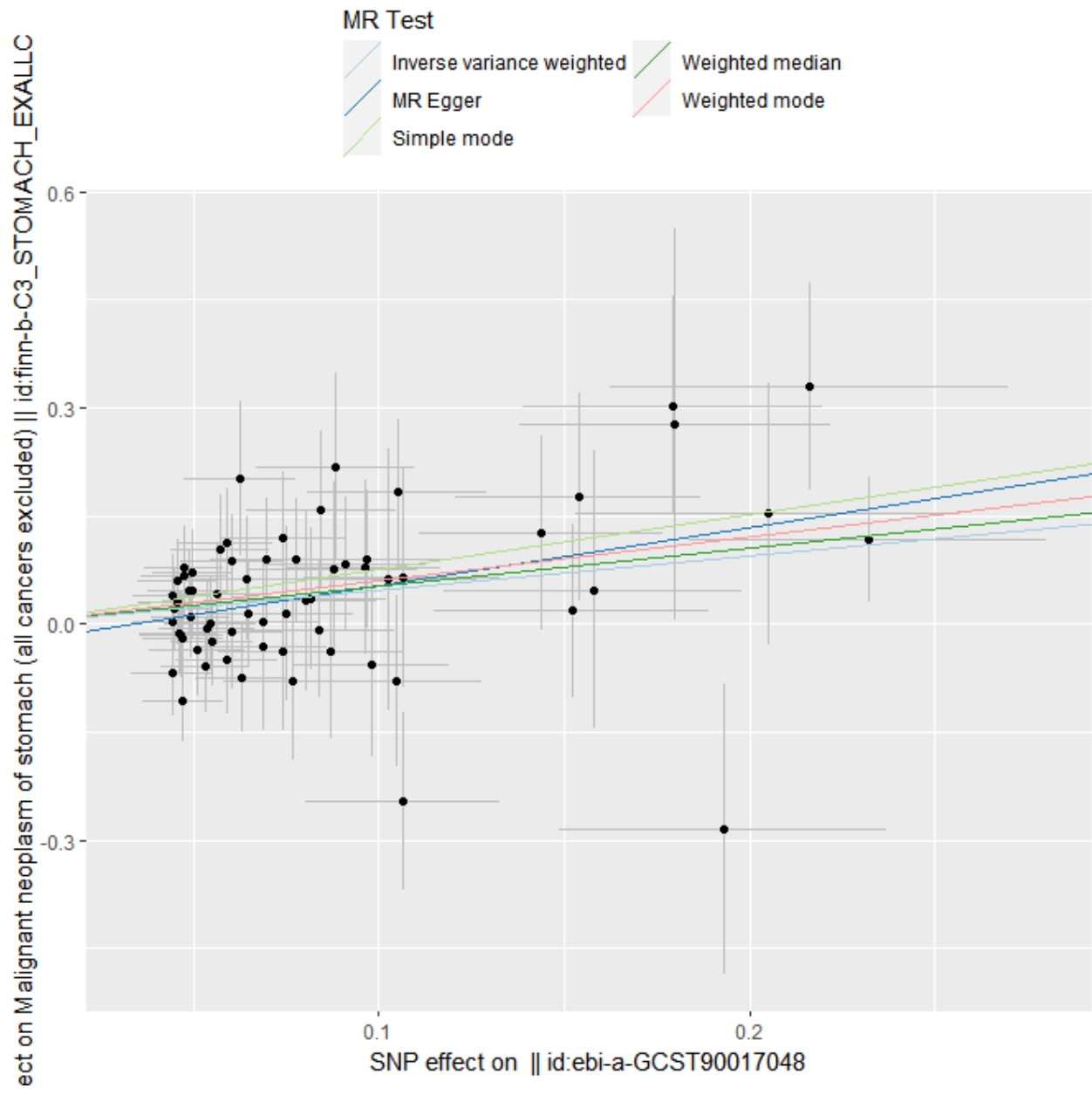
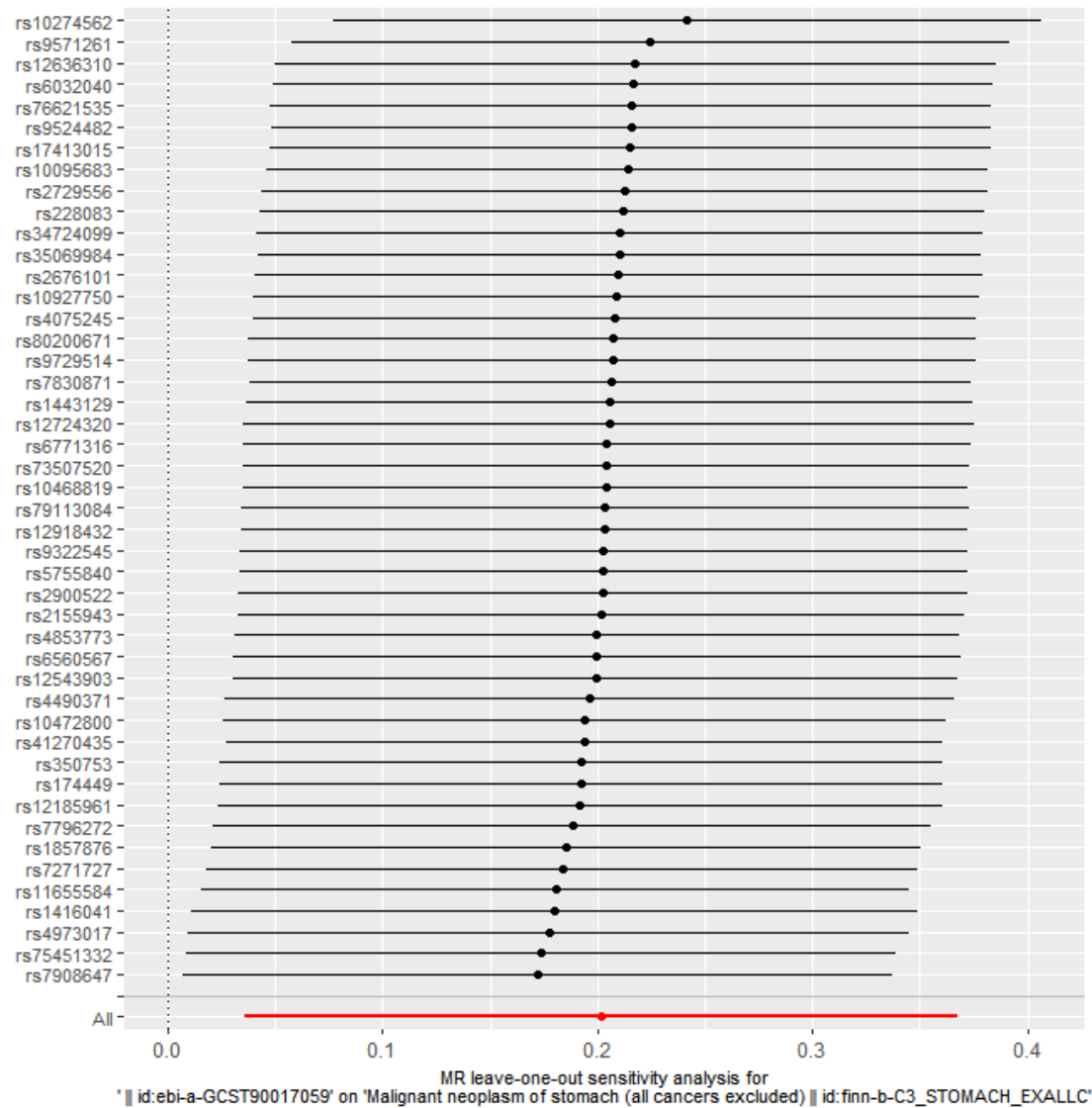
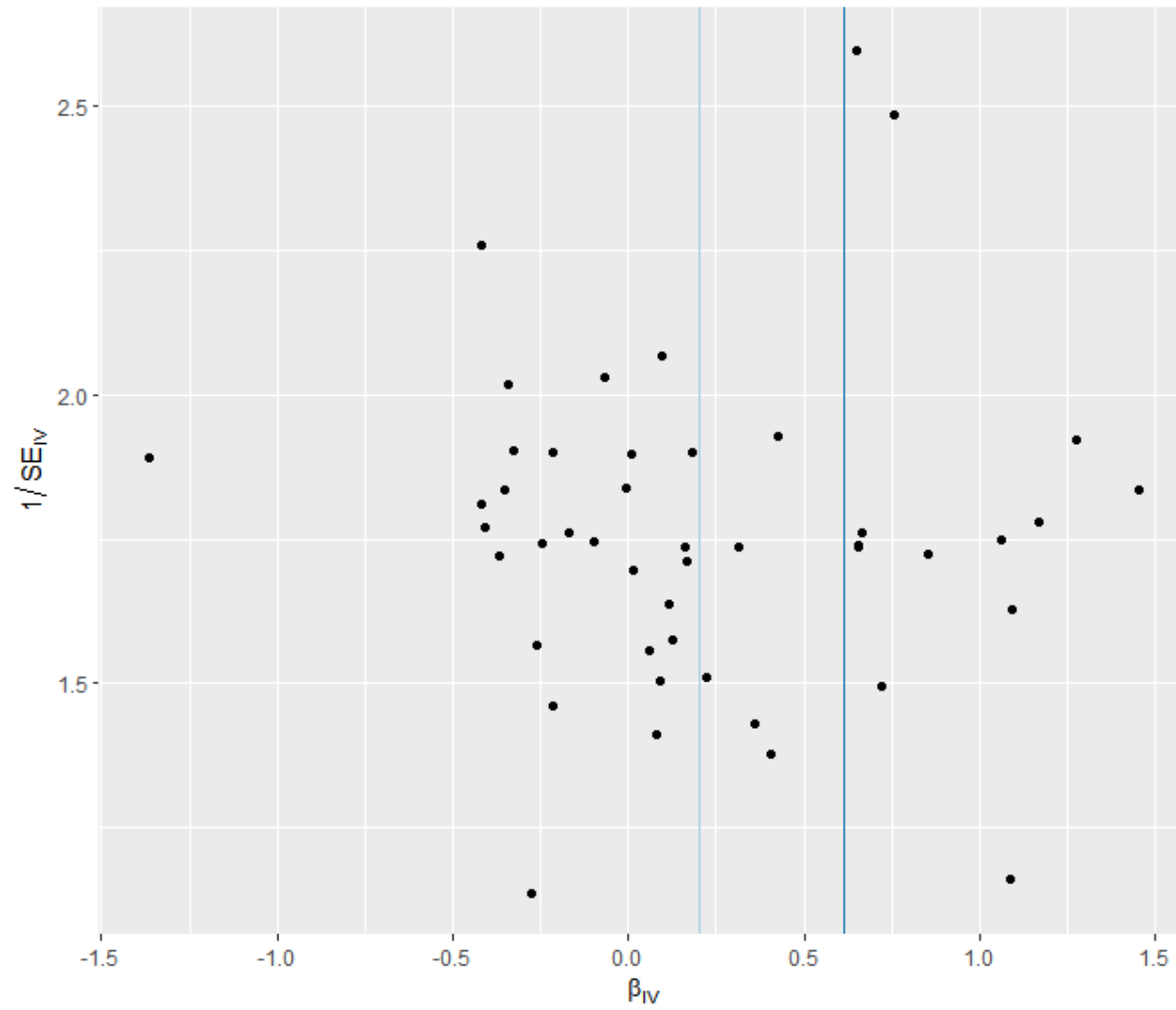


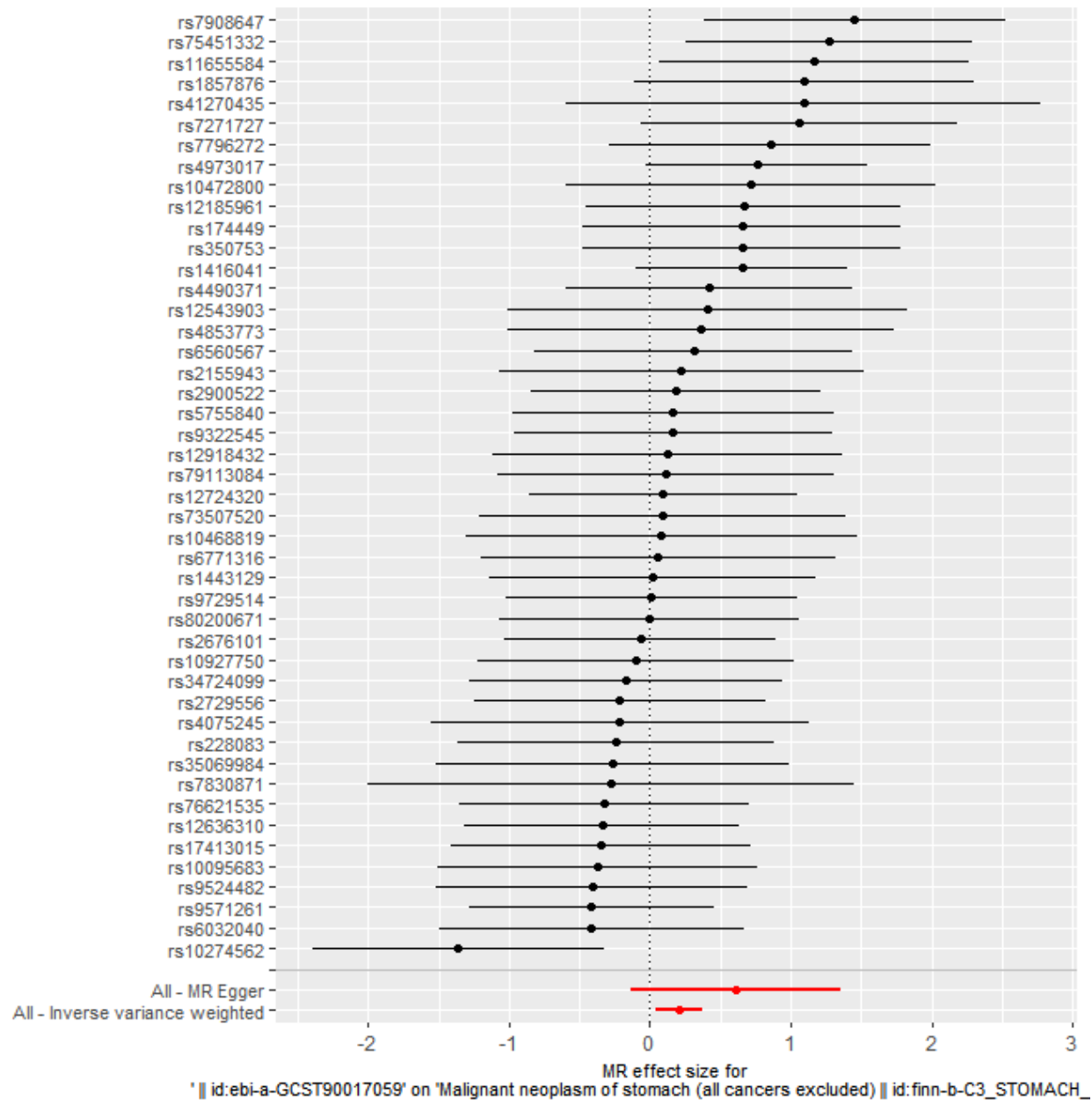
Figure 92 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





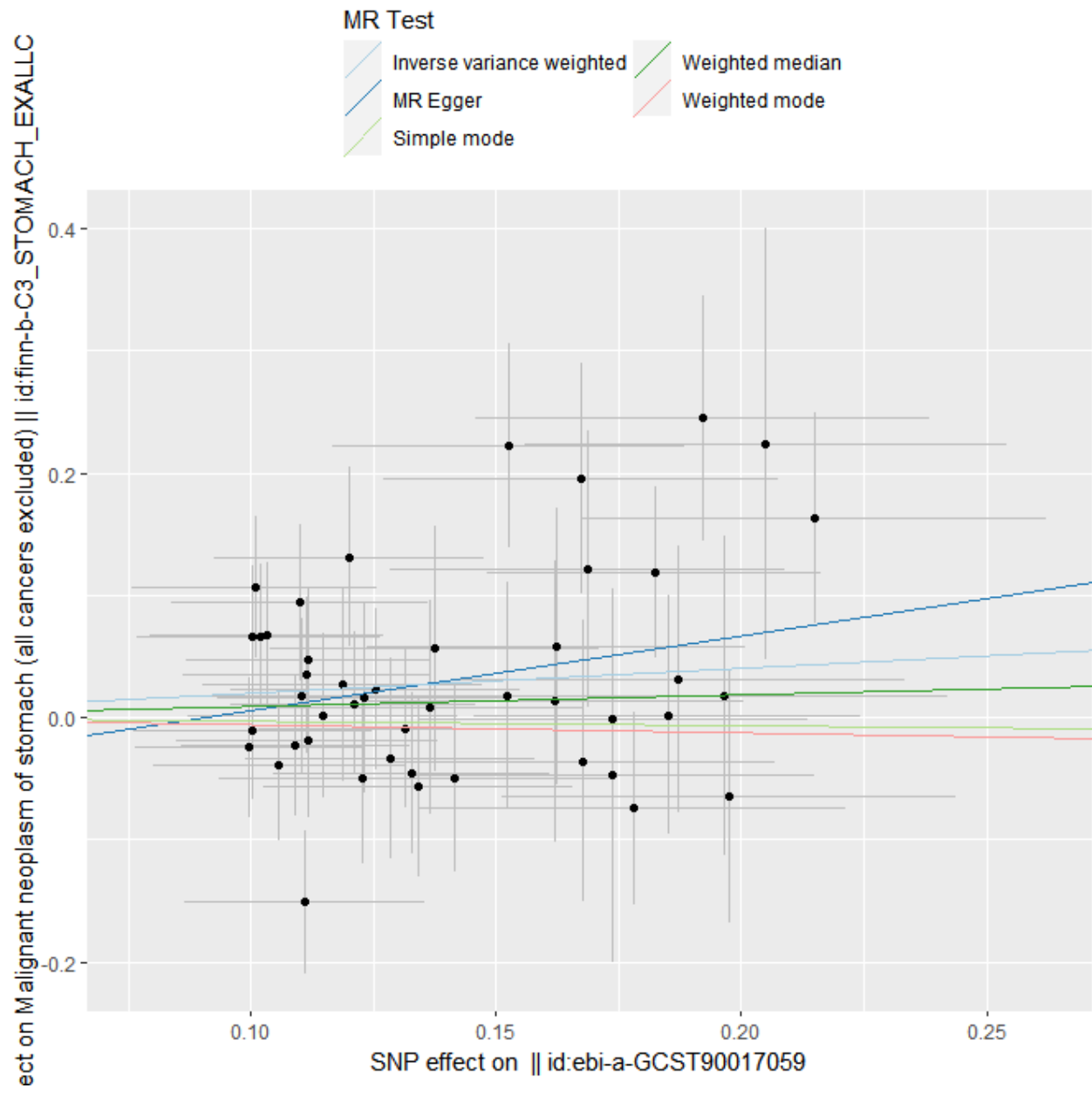
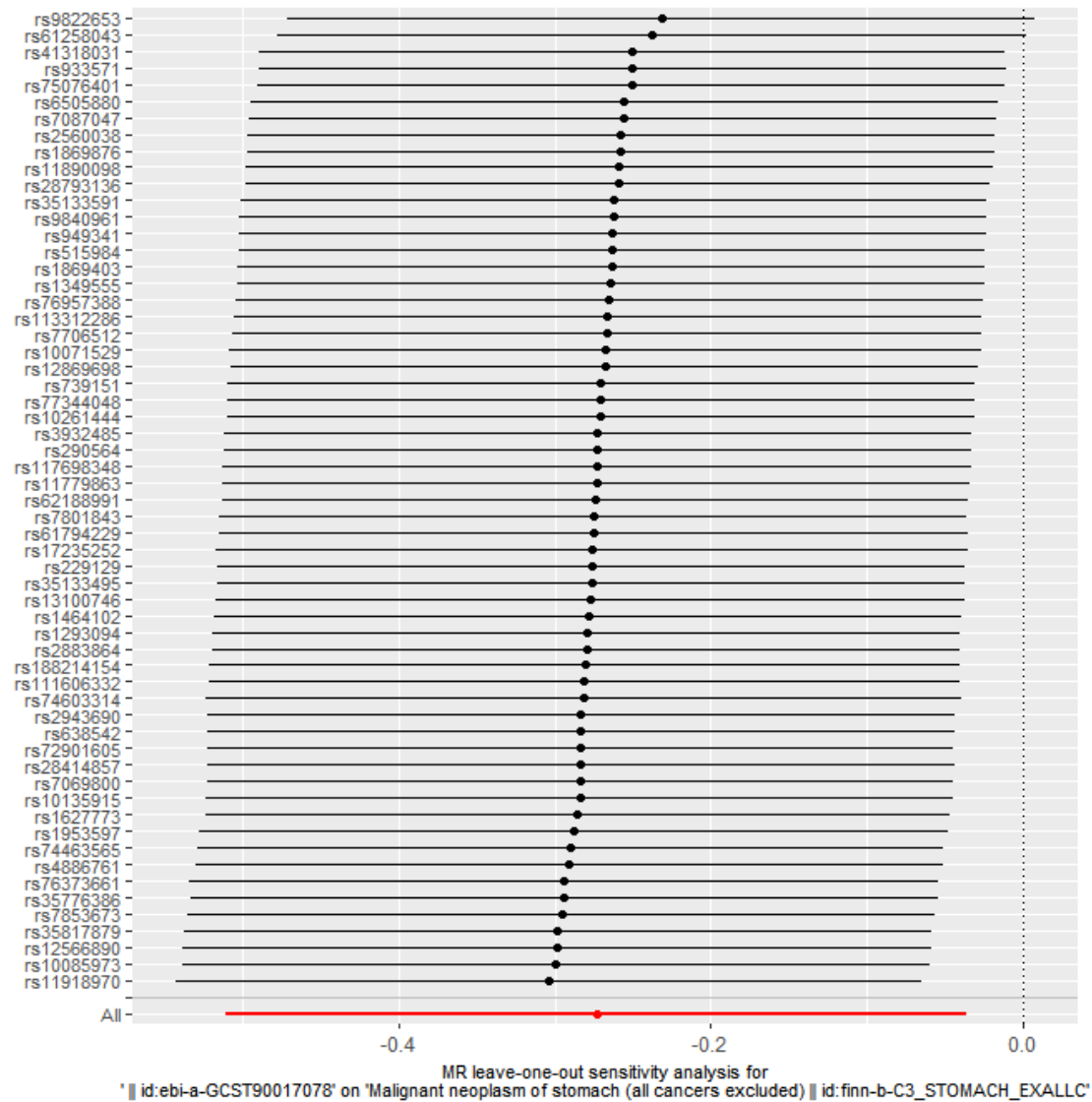
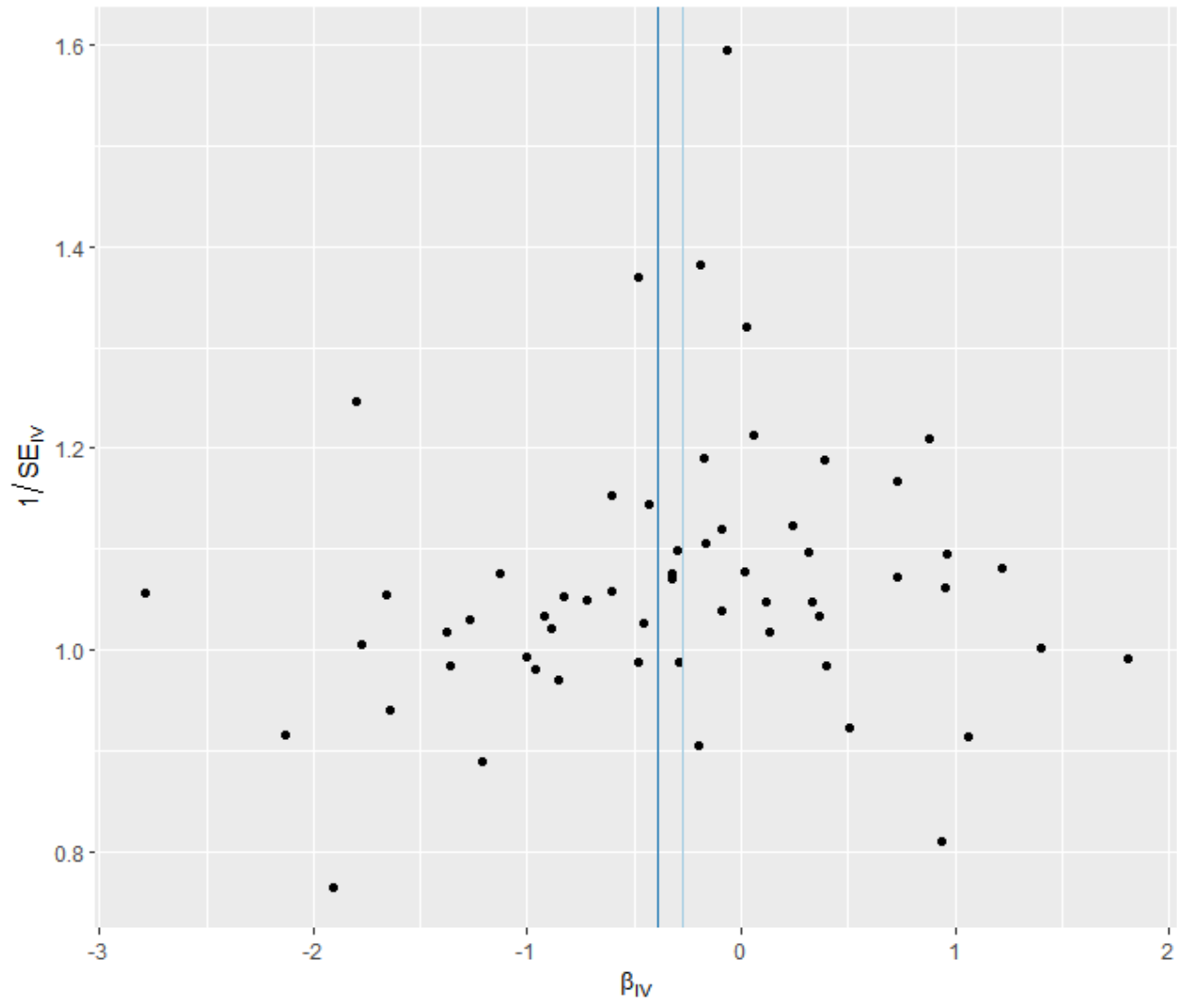
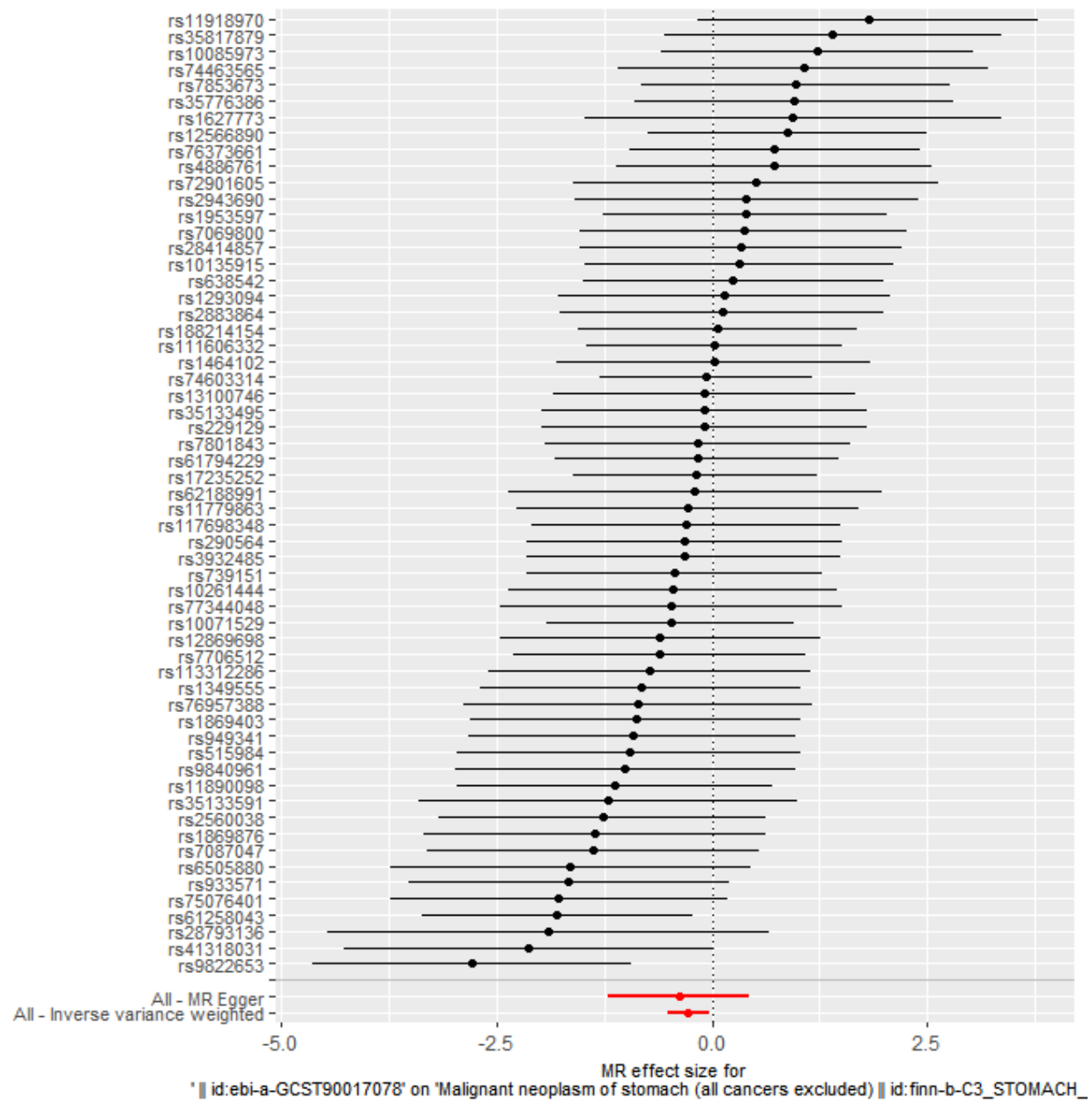


Figure 93 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.1000005472) on gastric cancer



MR Method
Inverse variance weighted
MR Egger





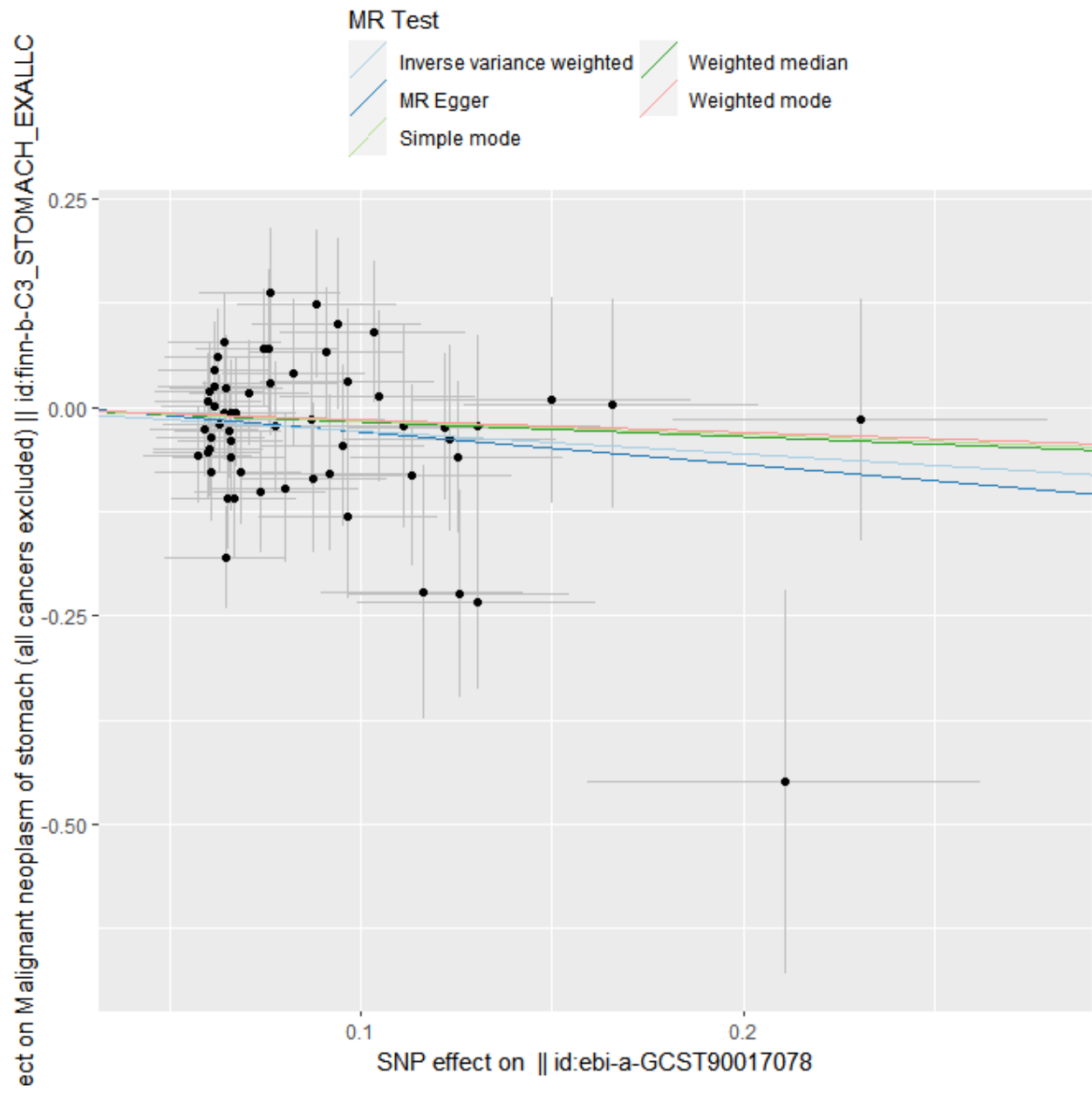
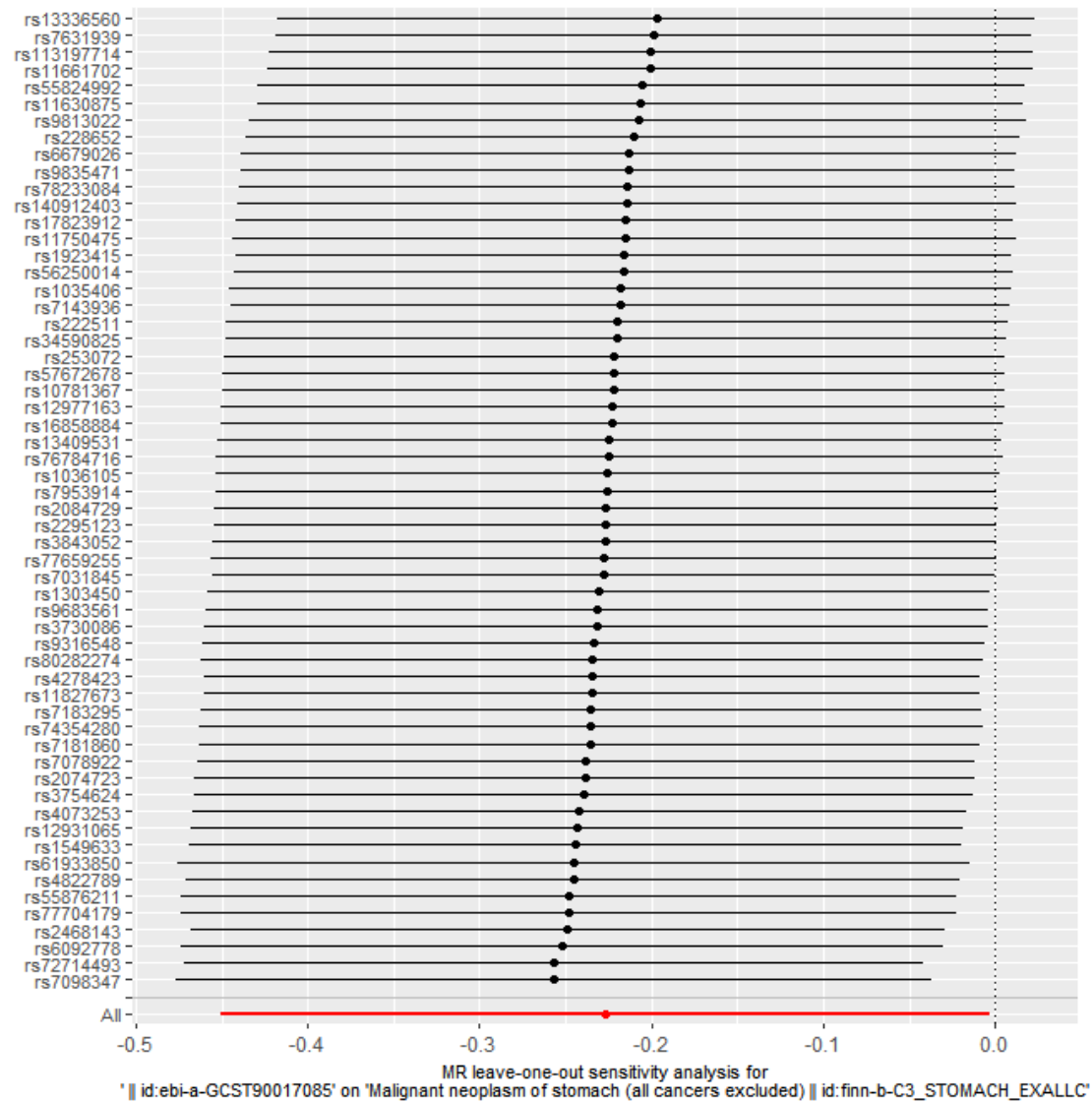
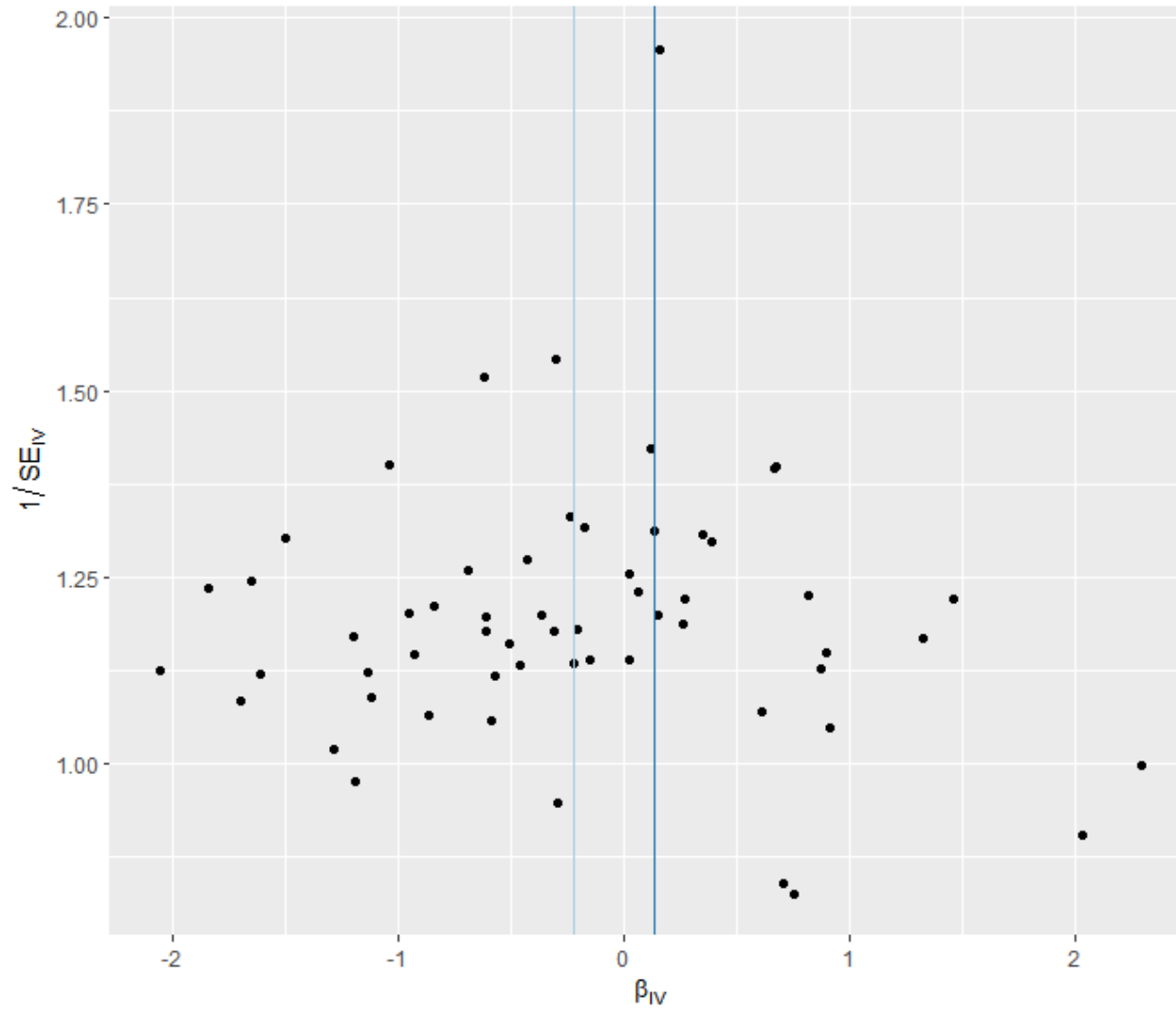


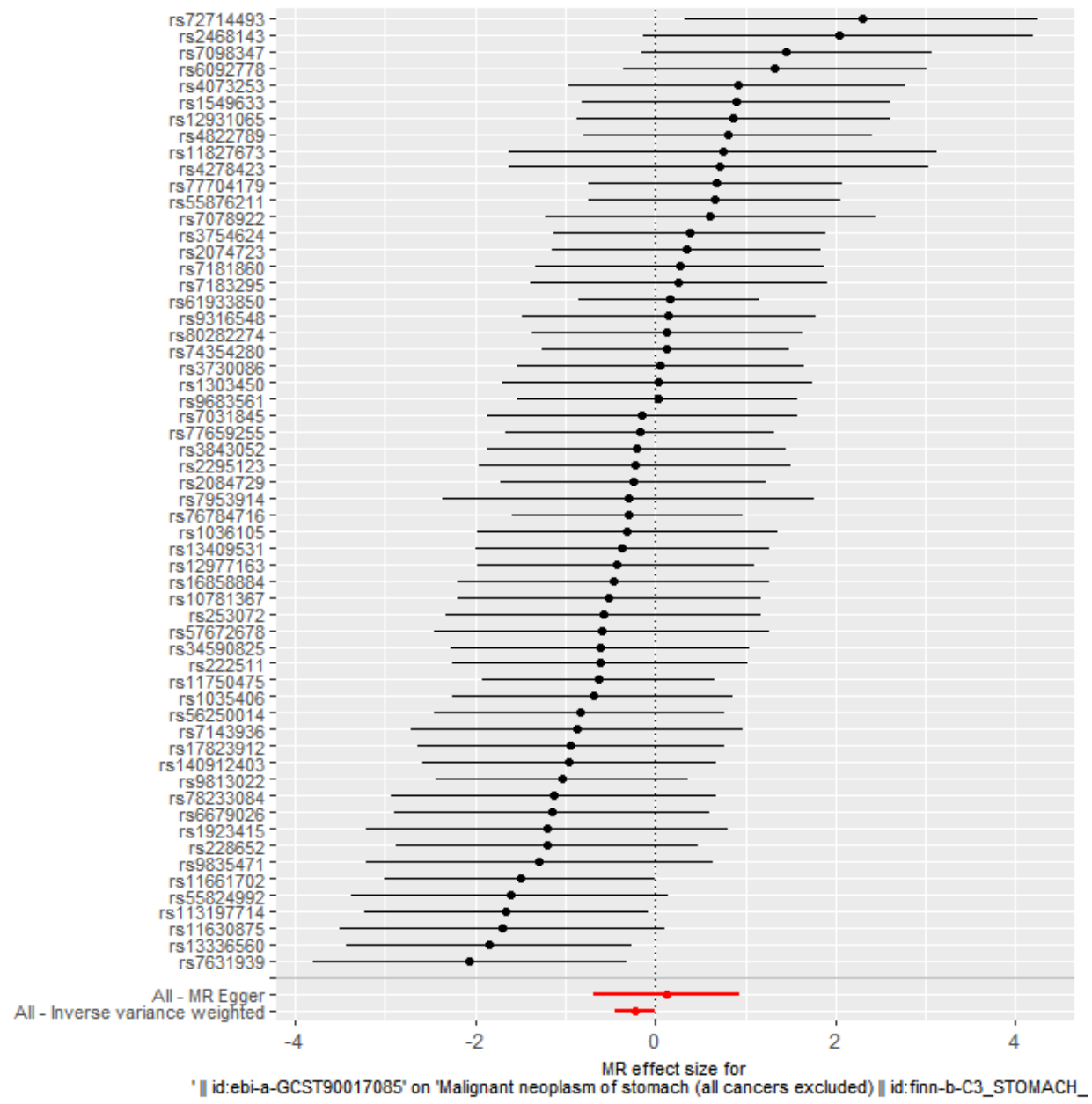
Figure 94 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.2755) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





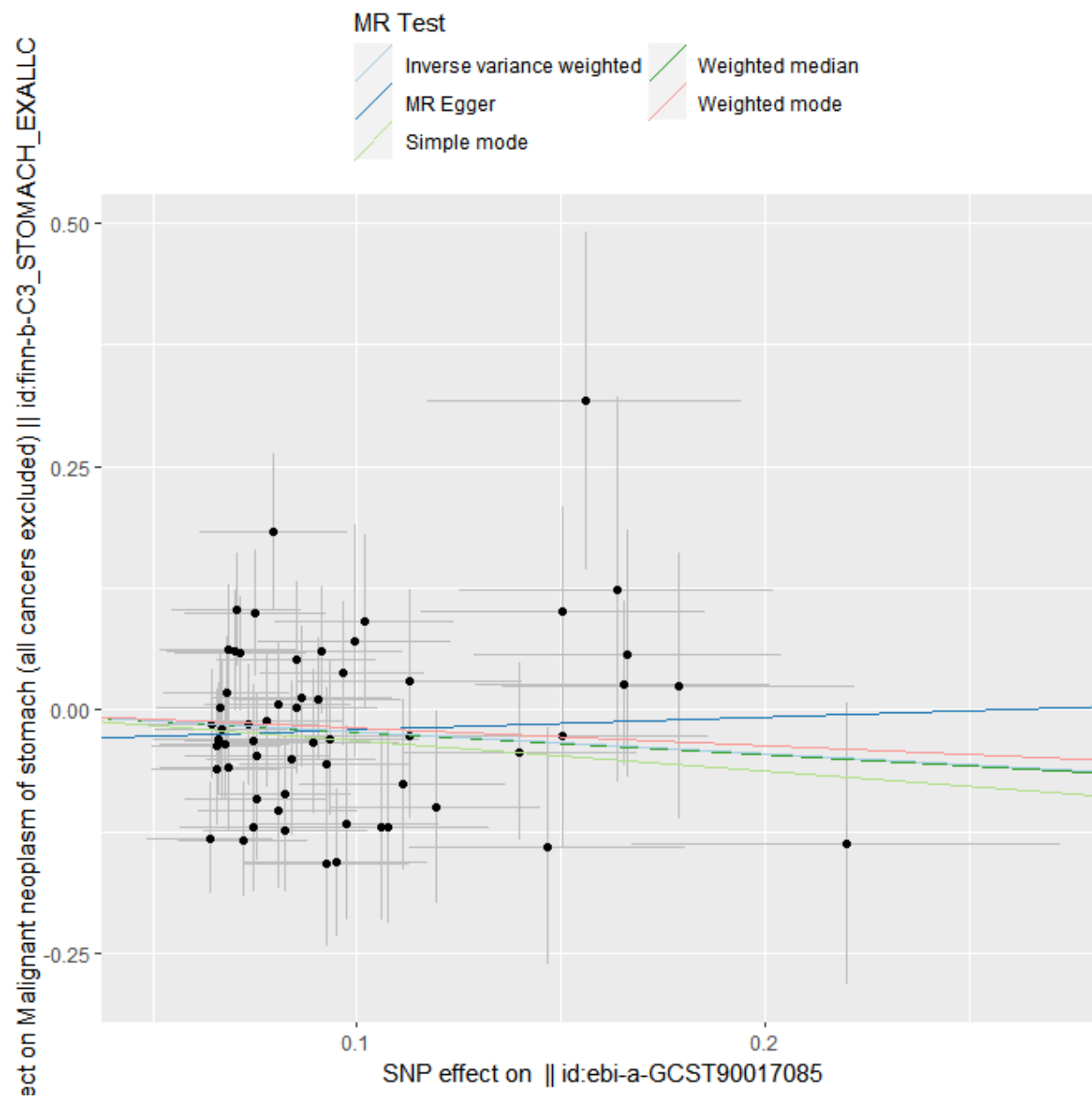
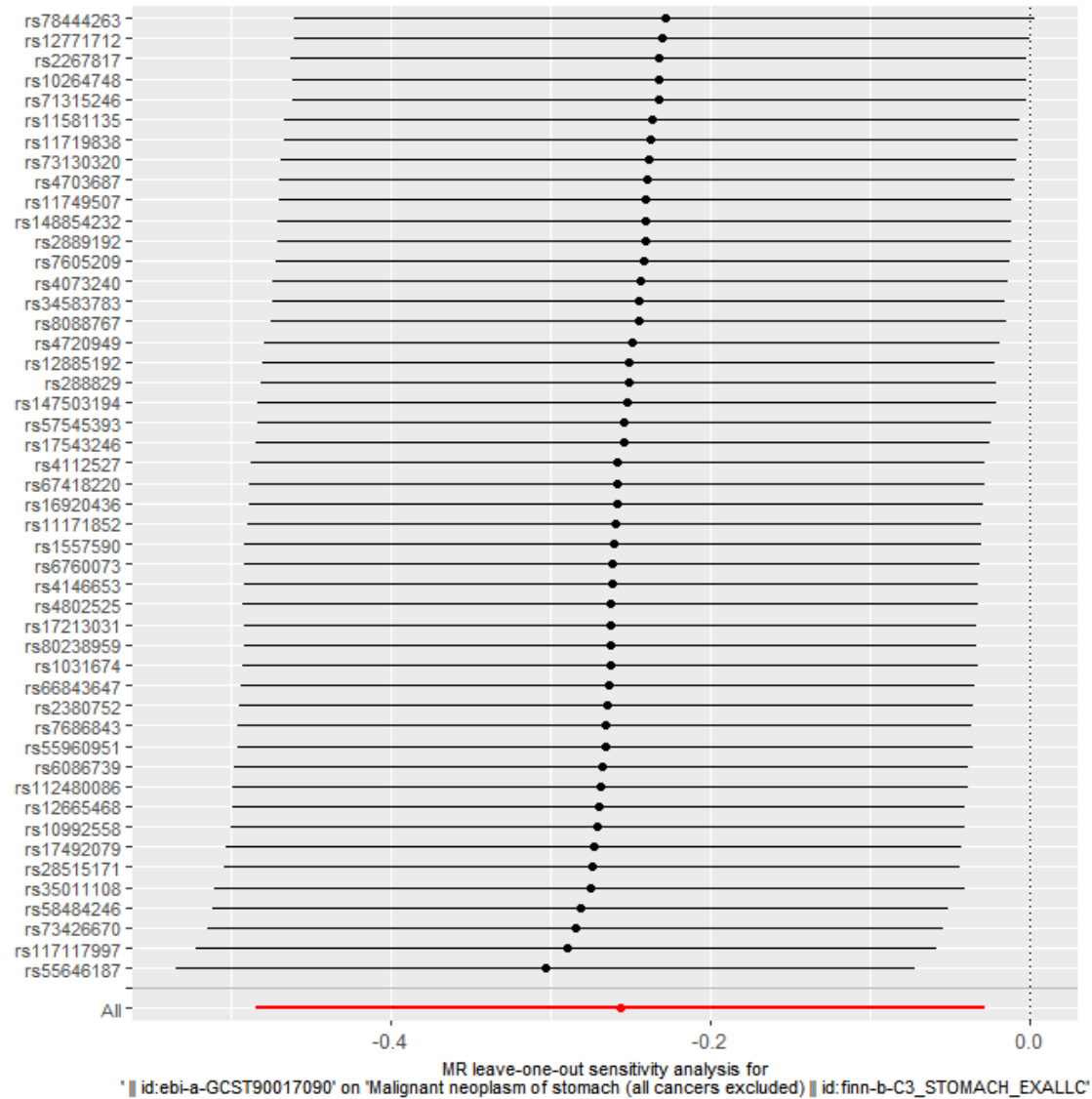
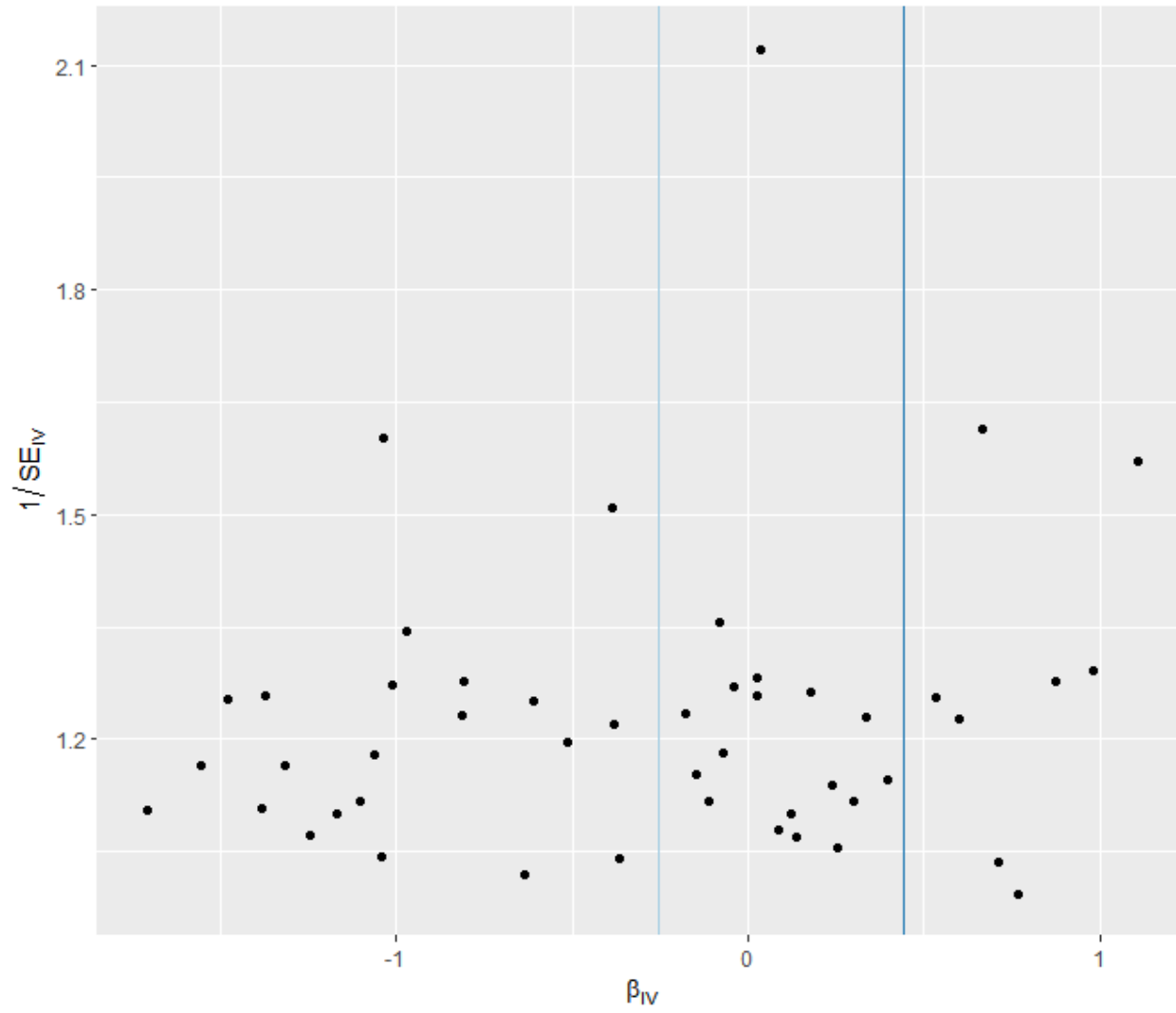


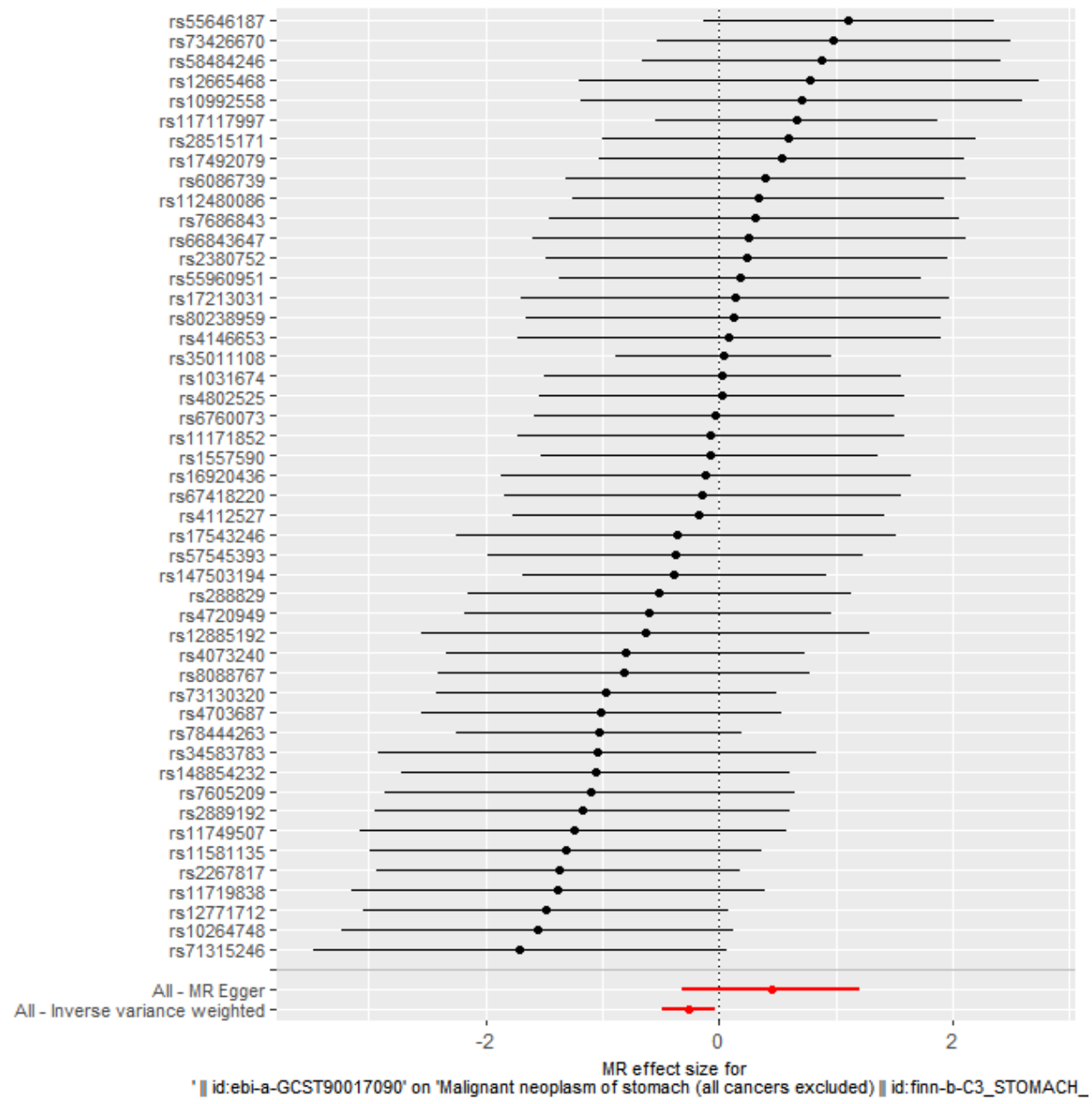
Figure 95 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Actinomycetales id.420) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





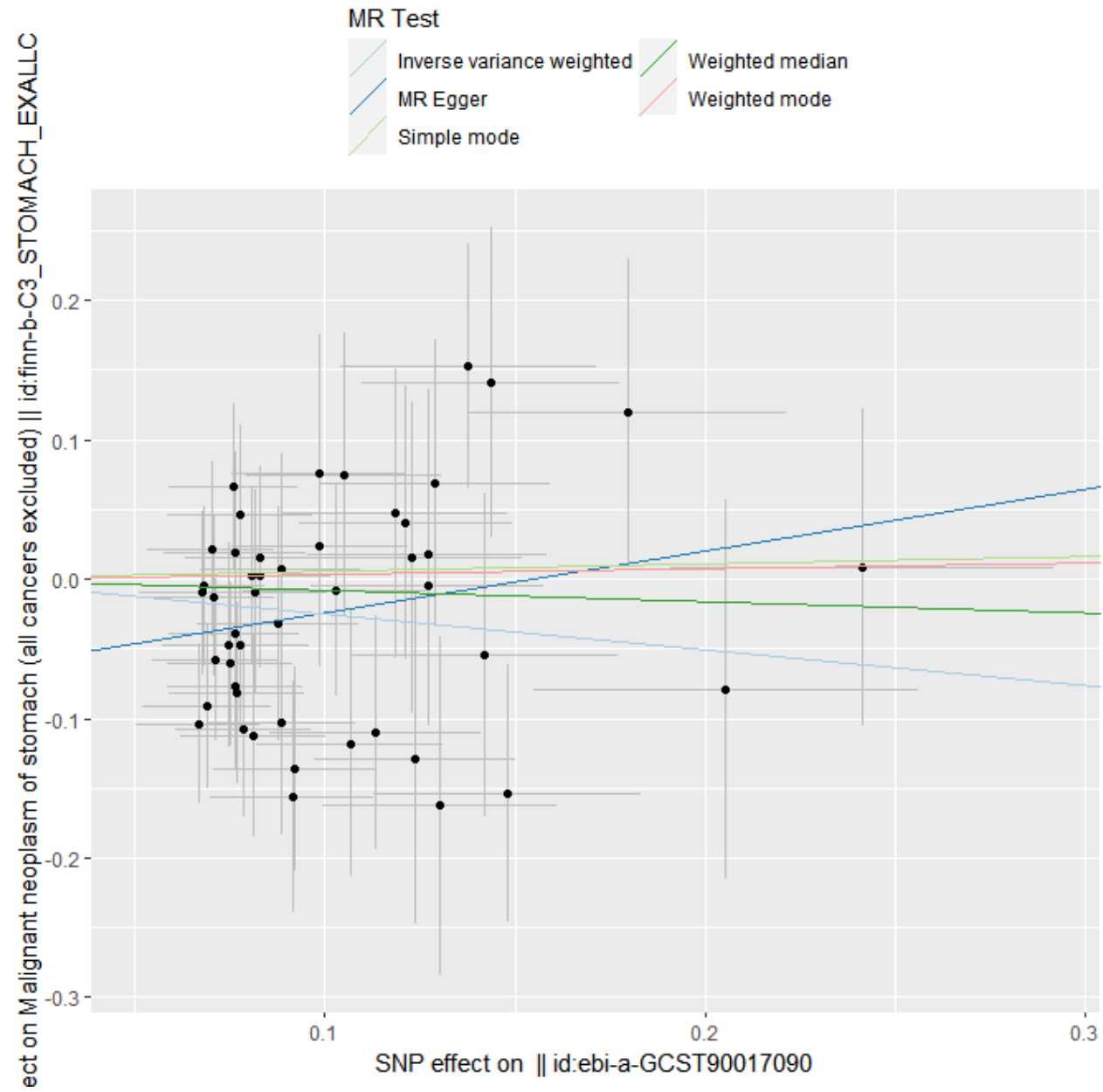
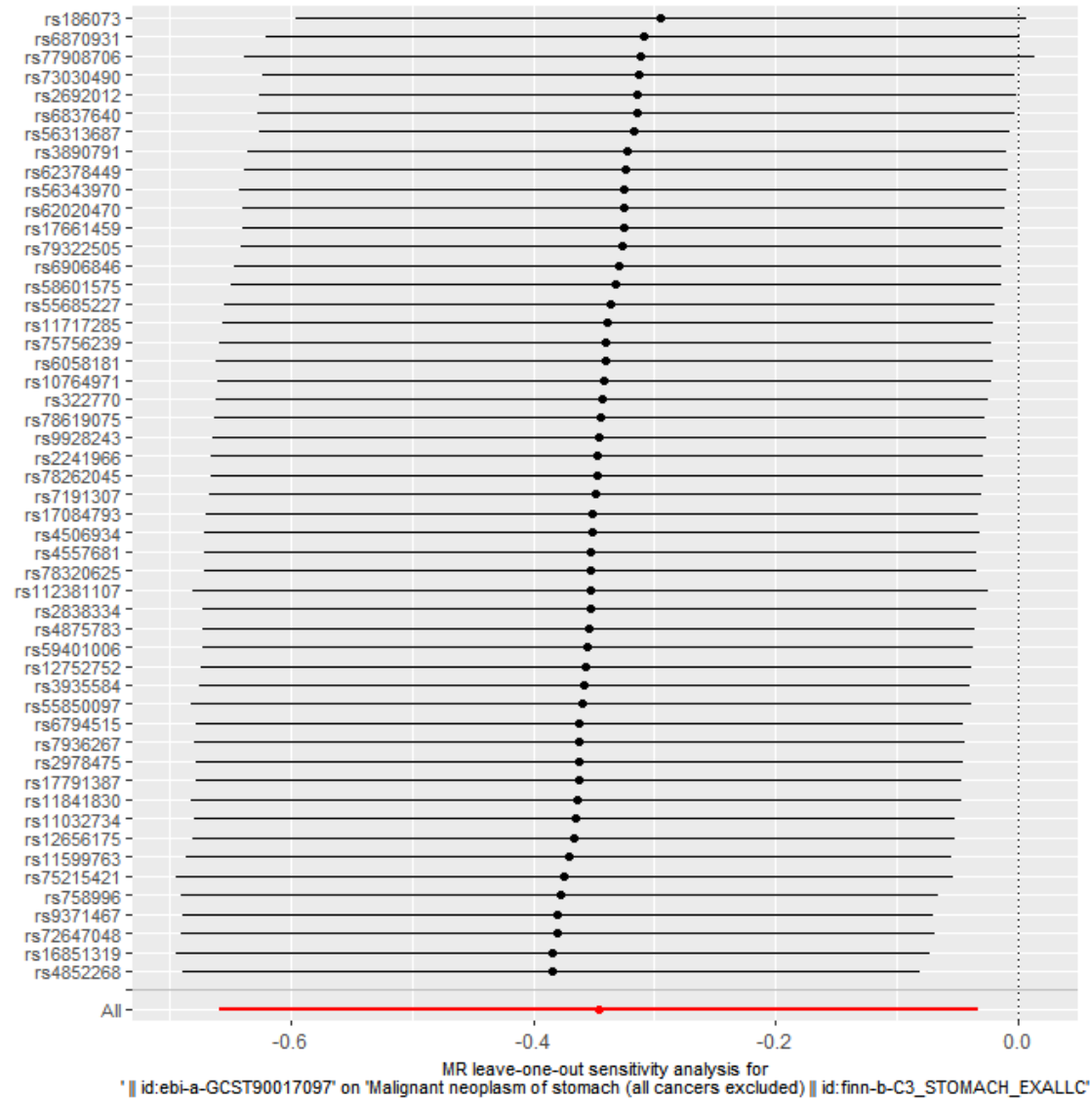
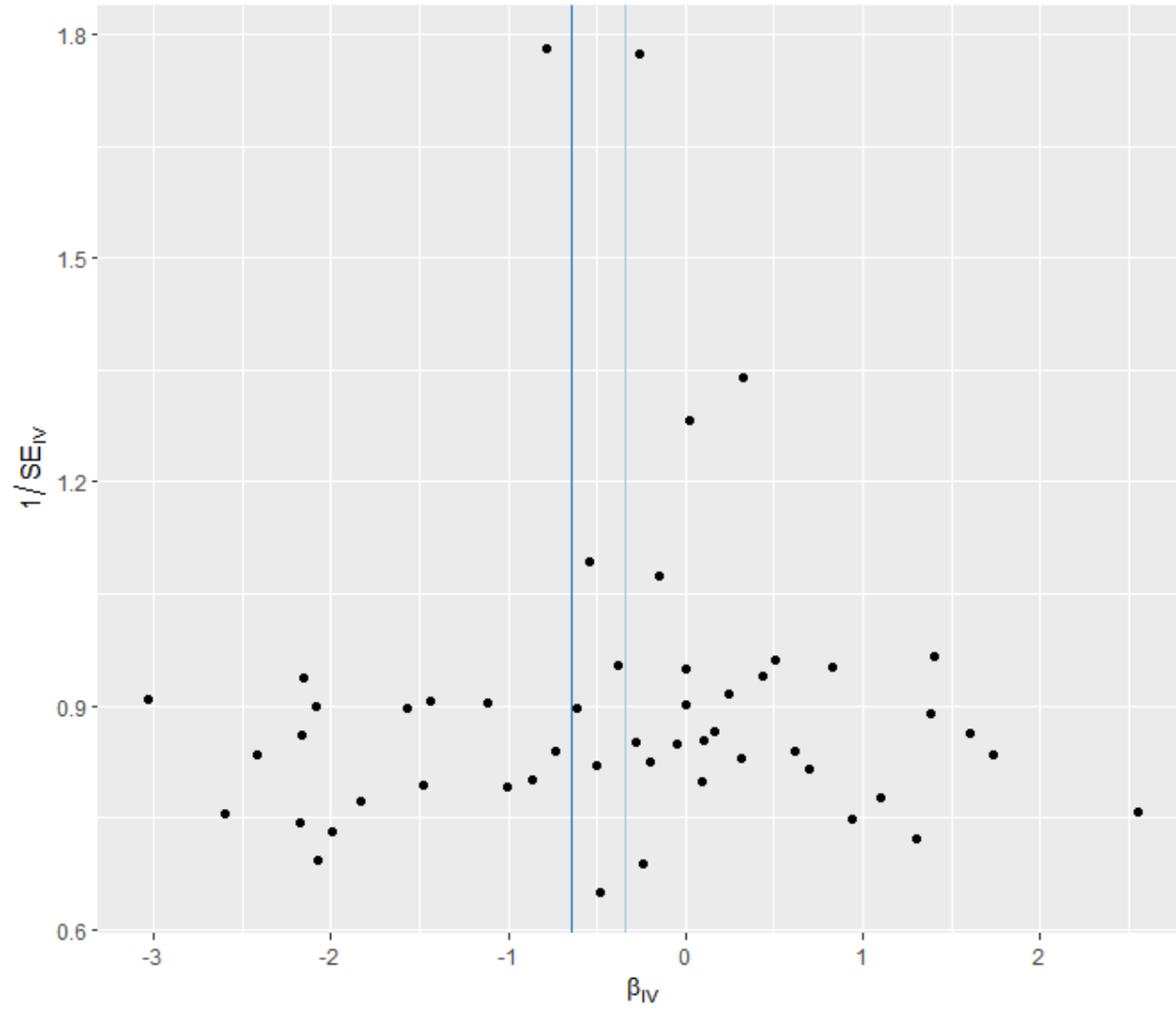


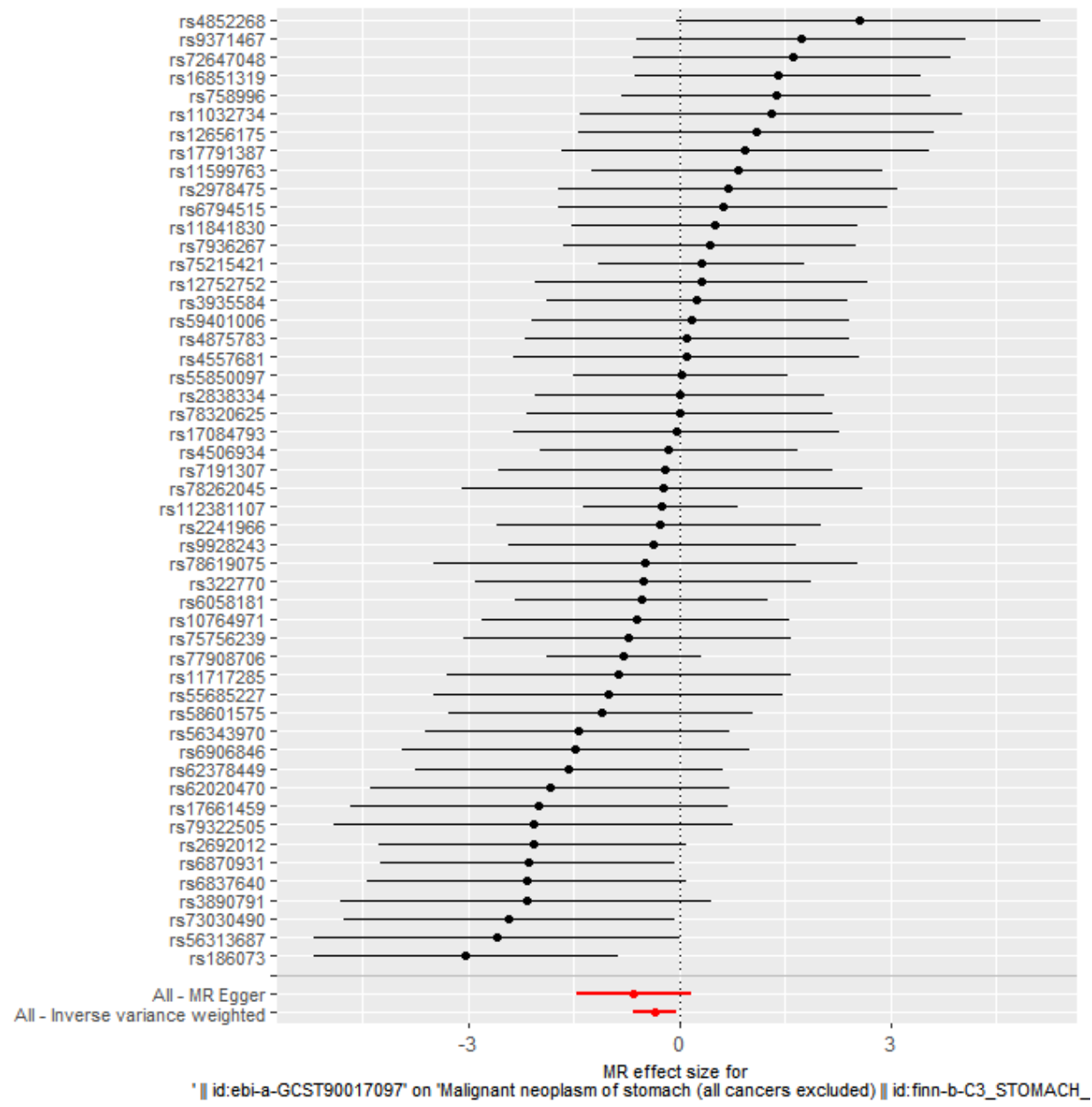
Figure 96 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Desulfovibrionales id.3156) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





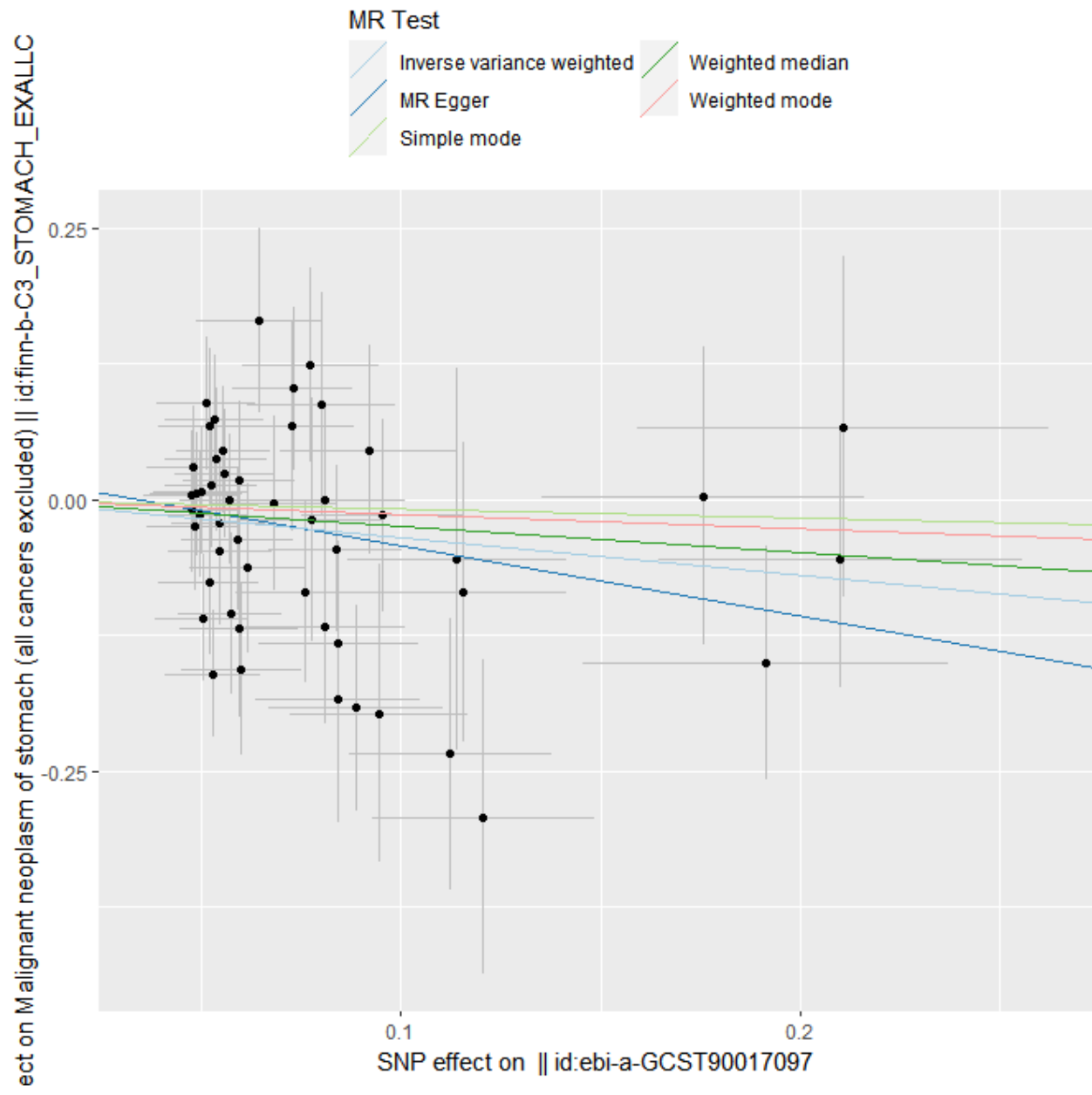
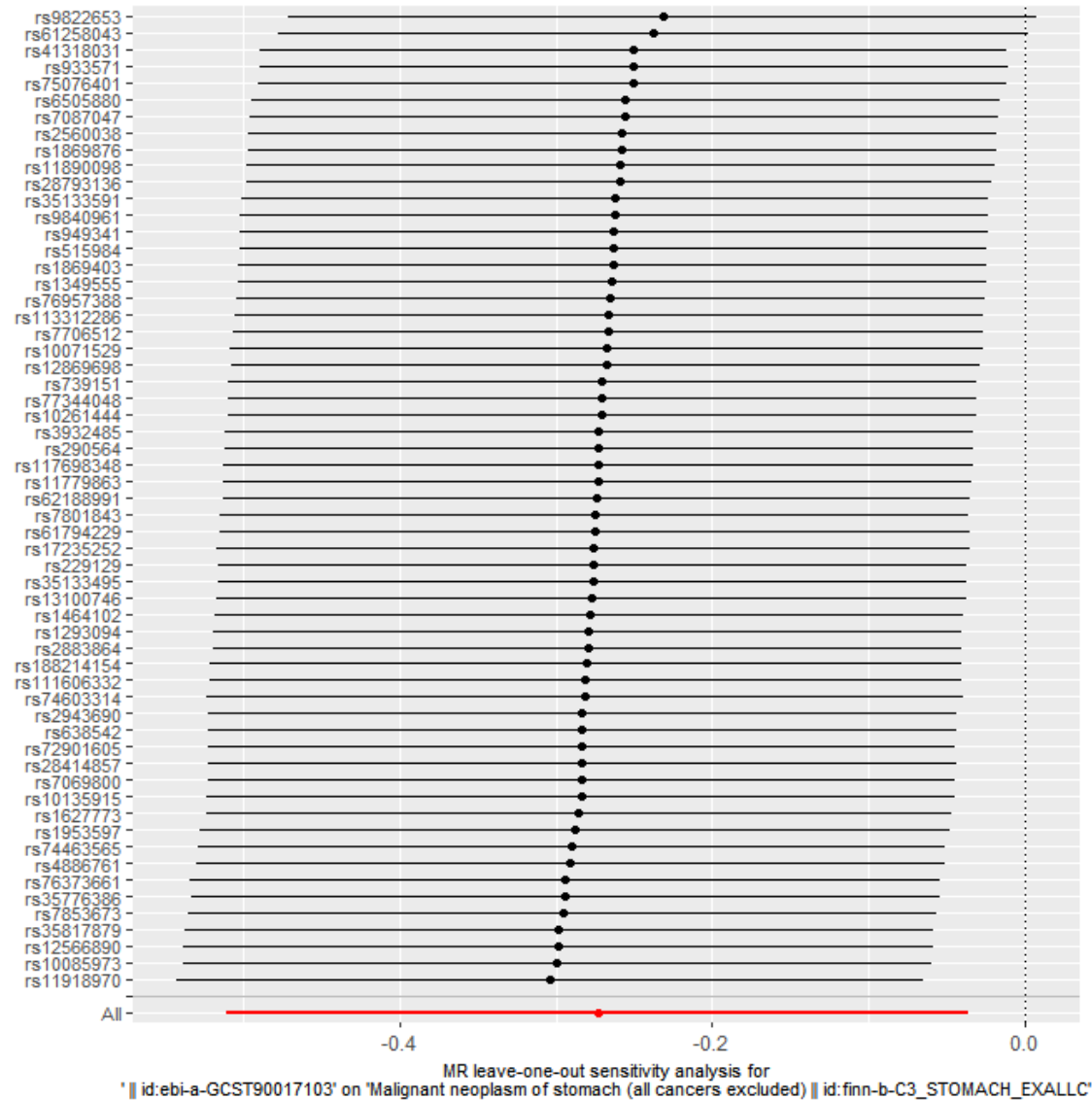
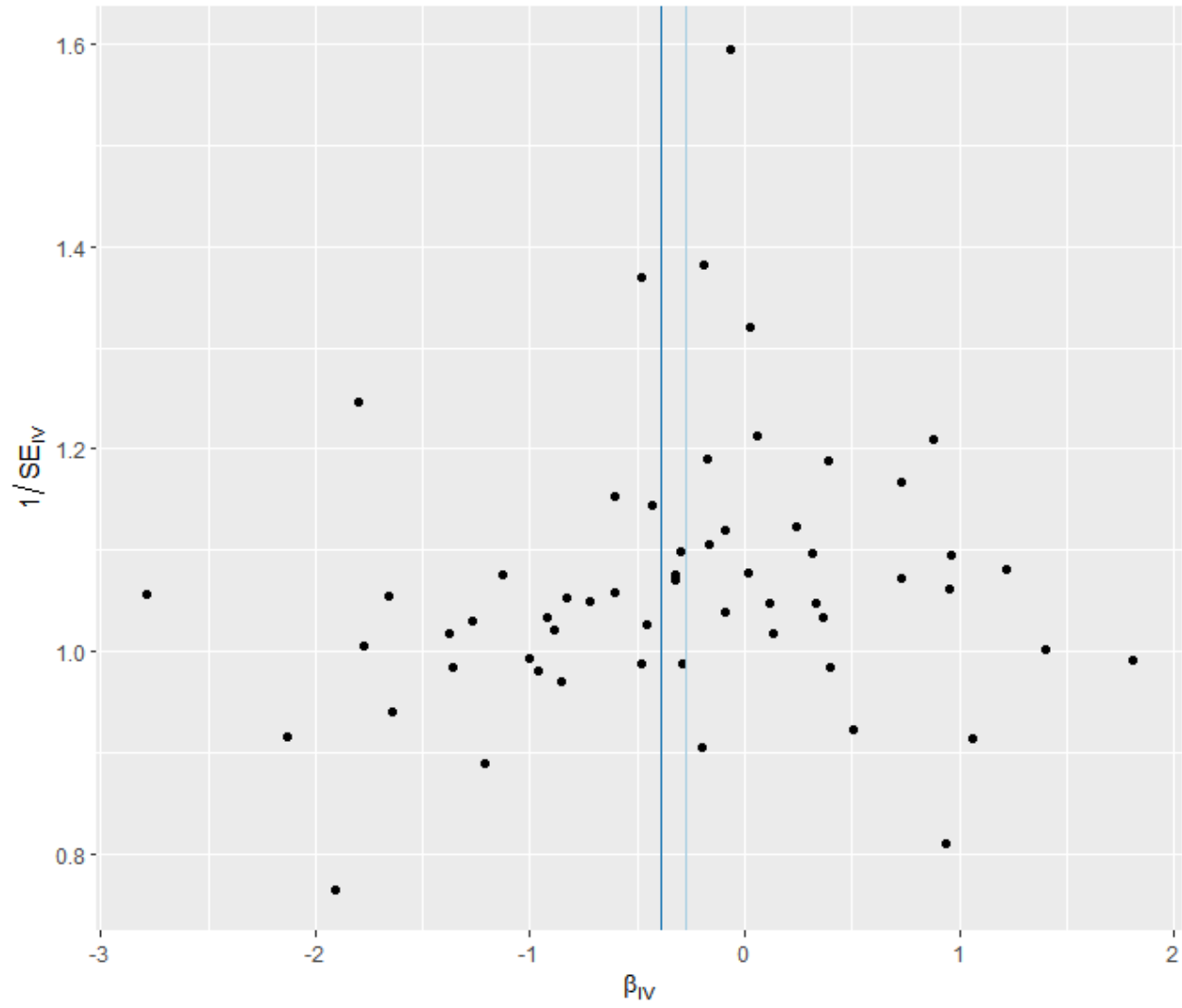


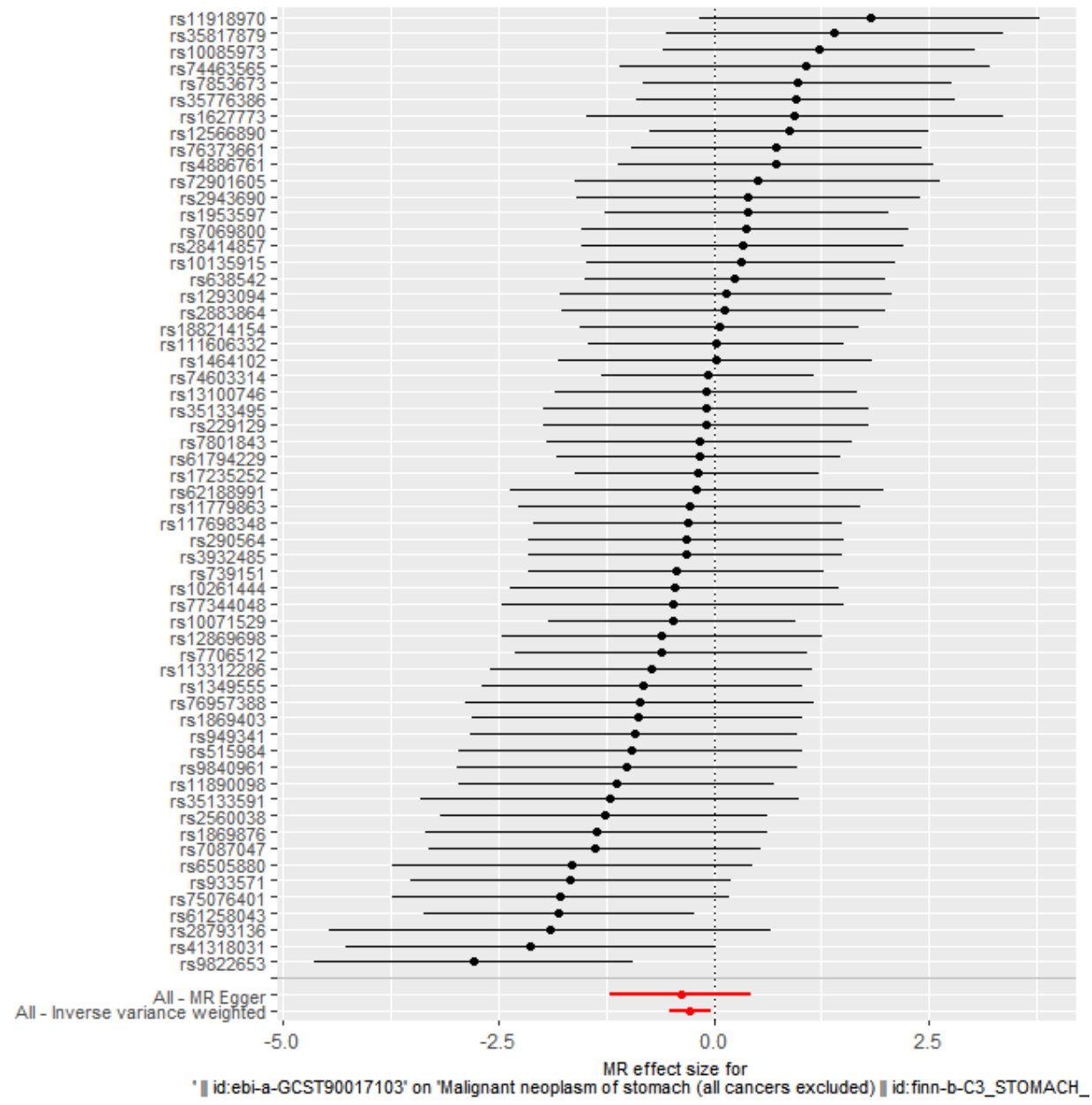
Figure 97 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Mollicutes RF9 id.11579) on gastric cancer



MR Method

- Inverse variance weighted
- MR Egger





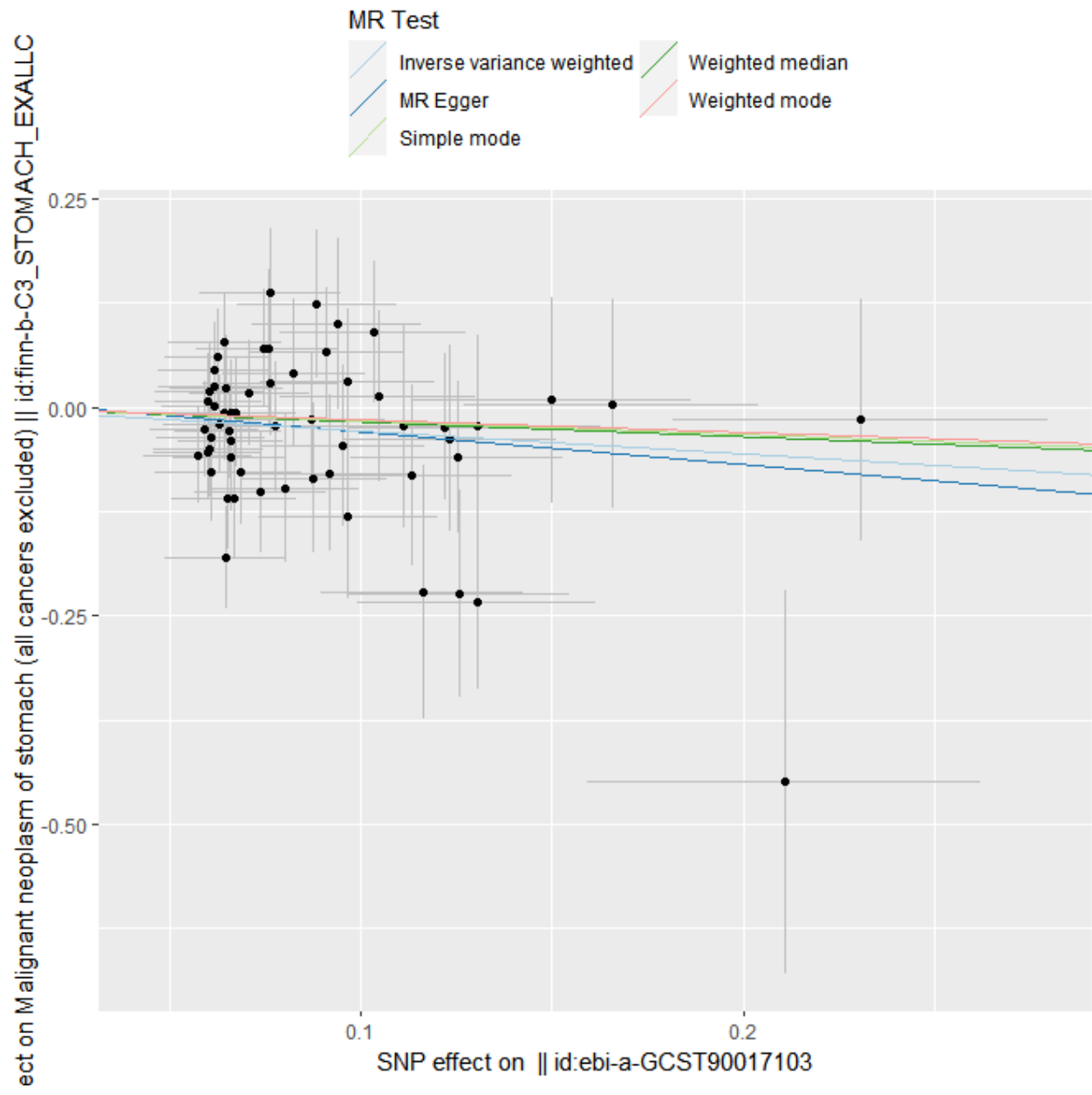
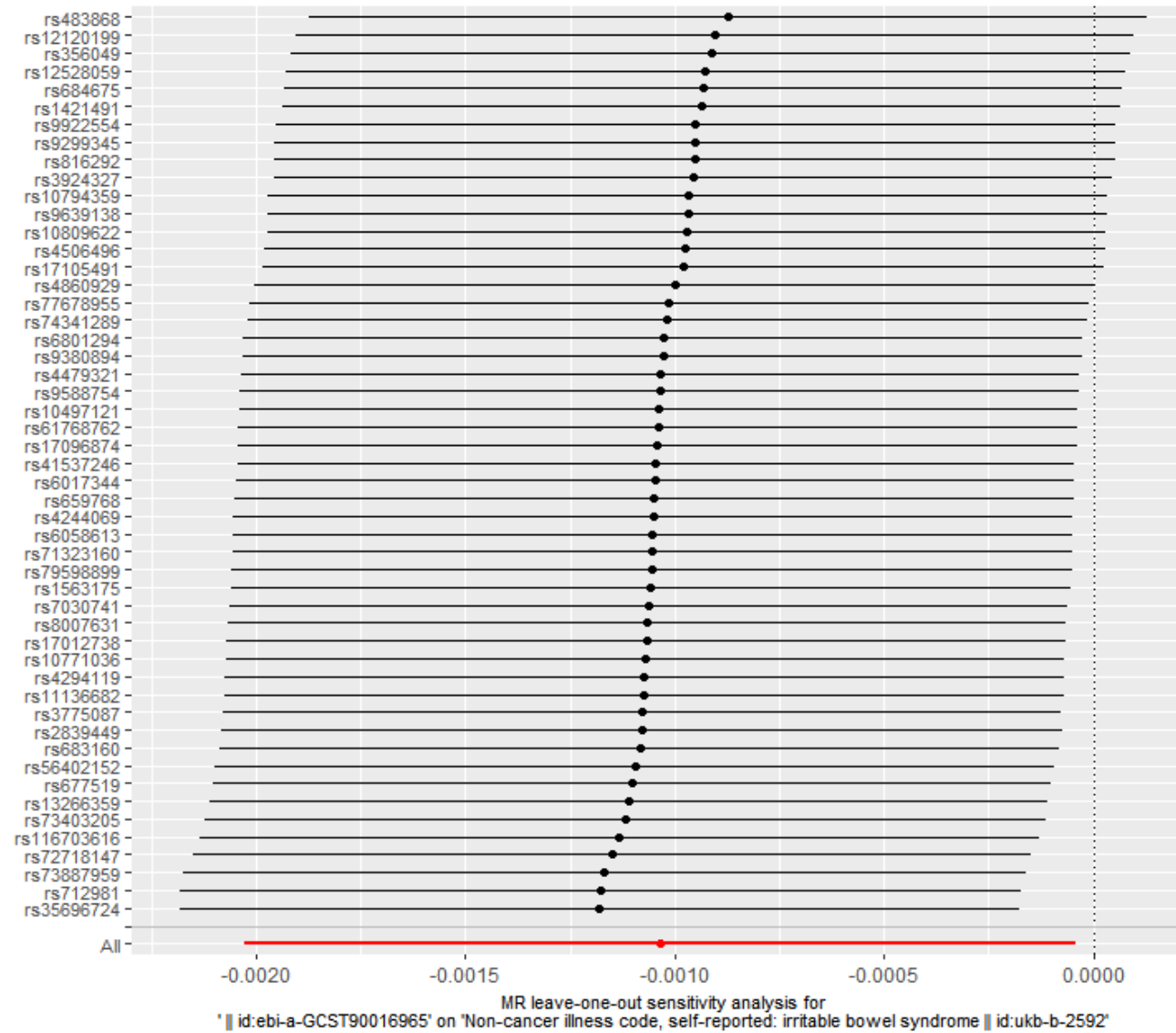
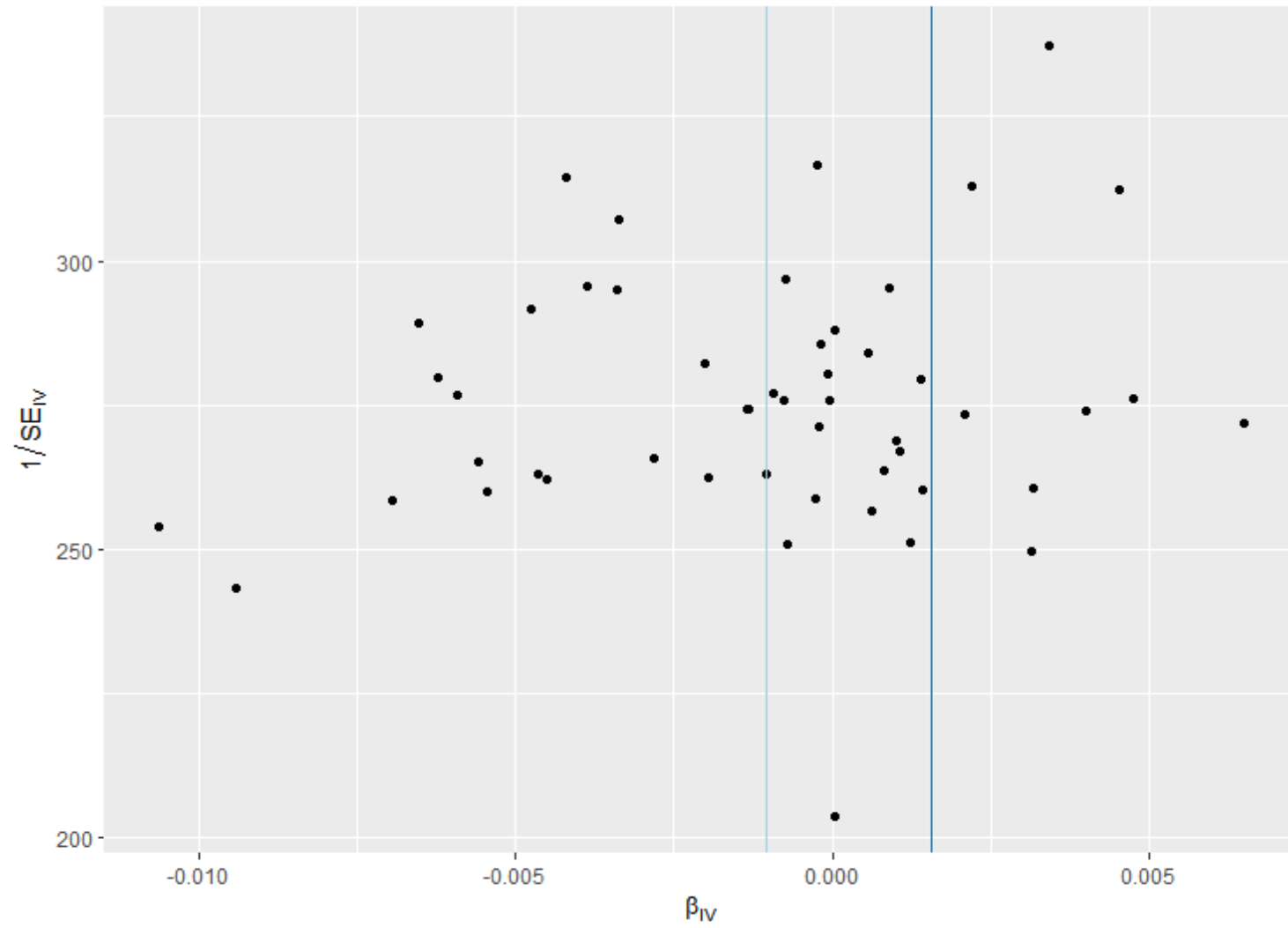


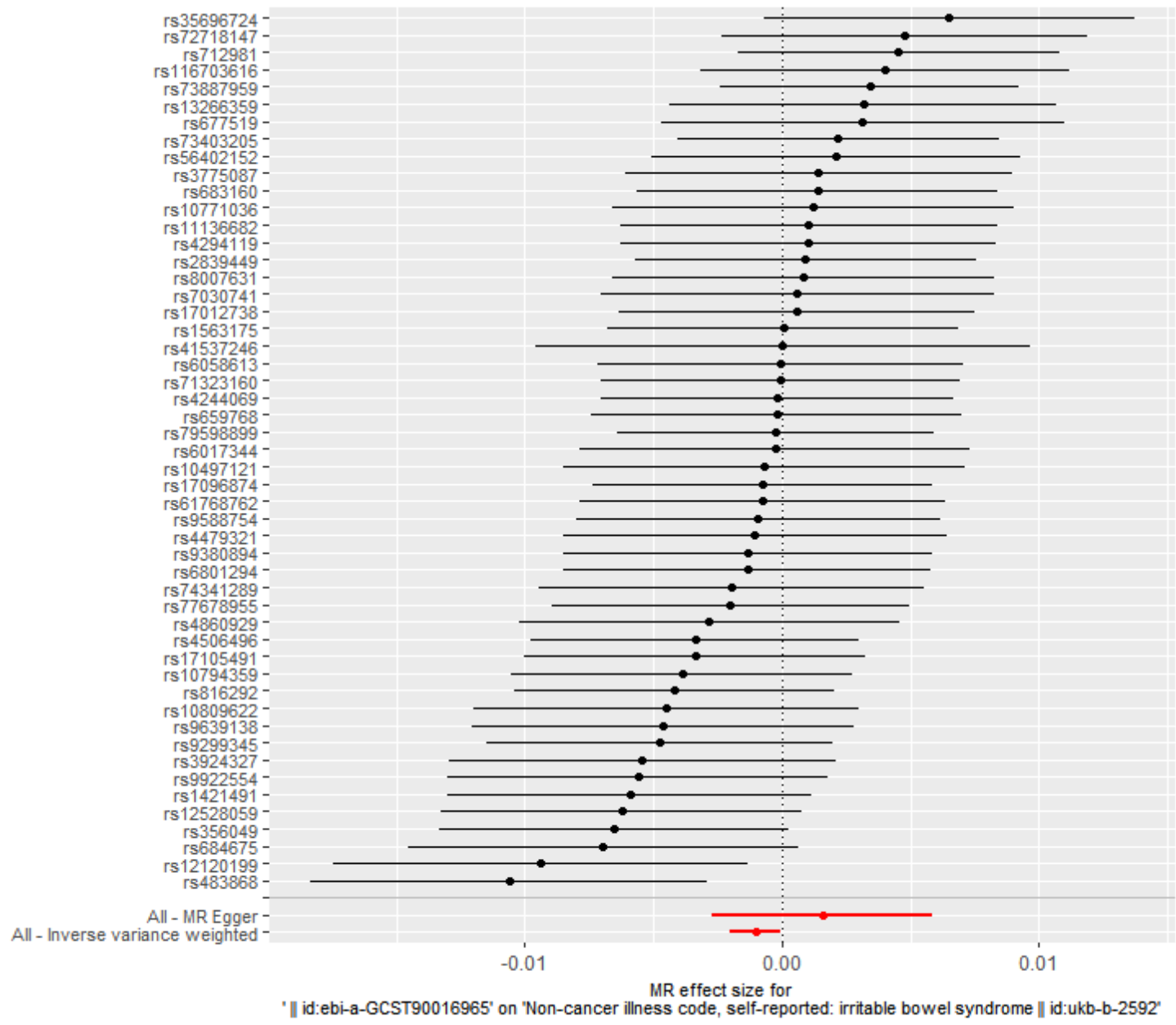
Figure 98 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Anaerofilum* id.2053) on irritable bowel syndrome



MR Method

- Inverse variance weighted
- MR Egger





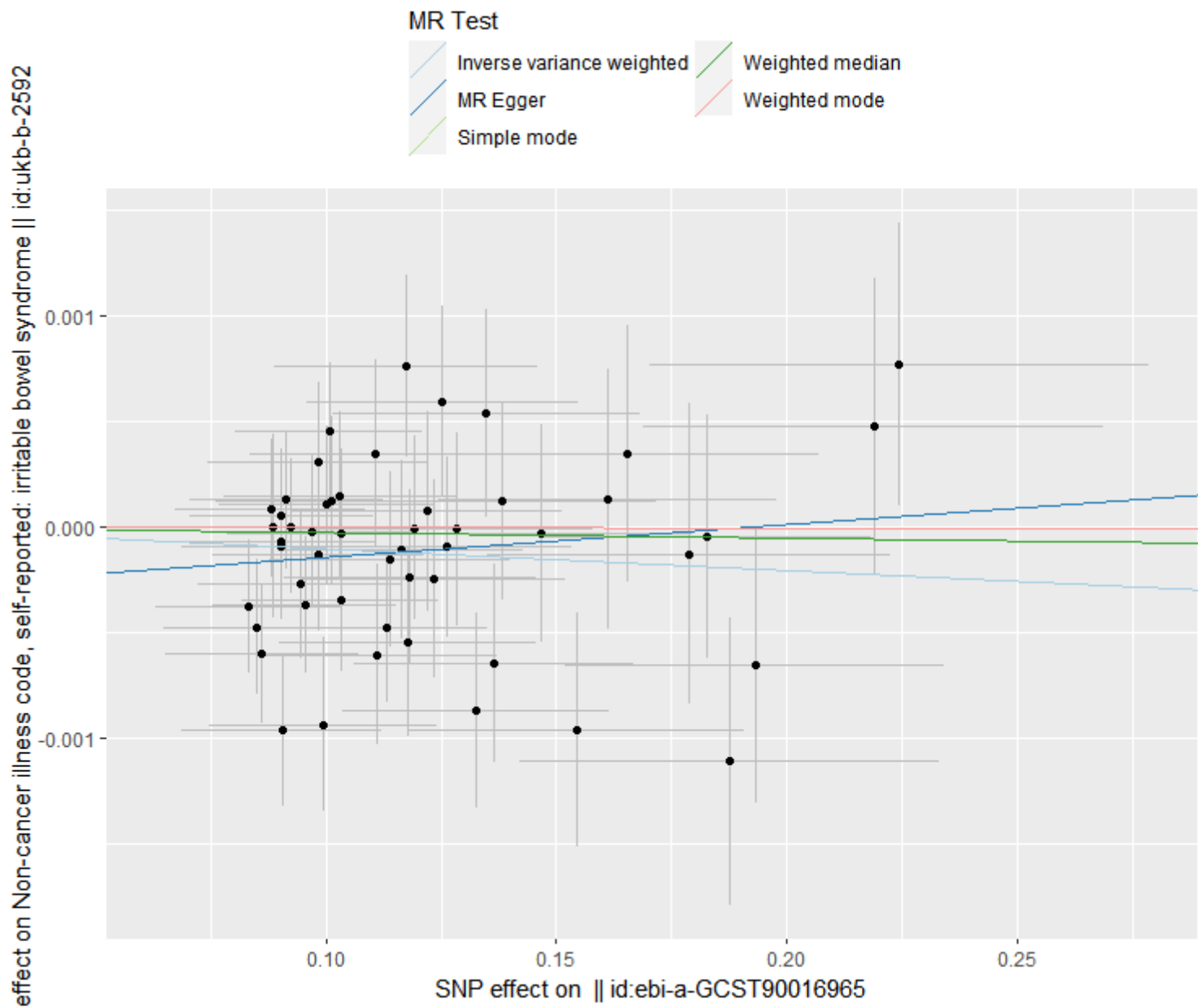
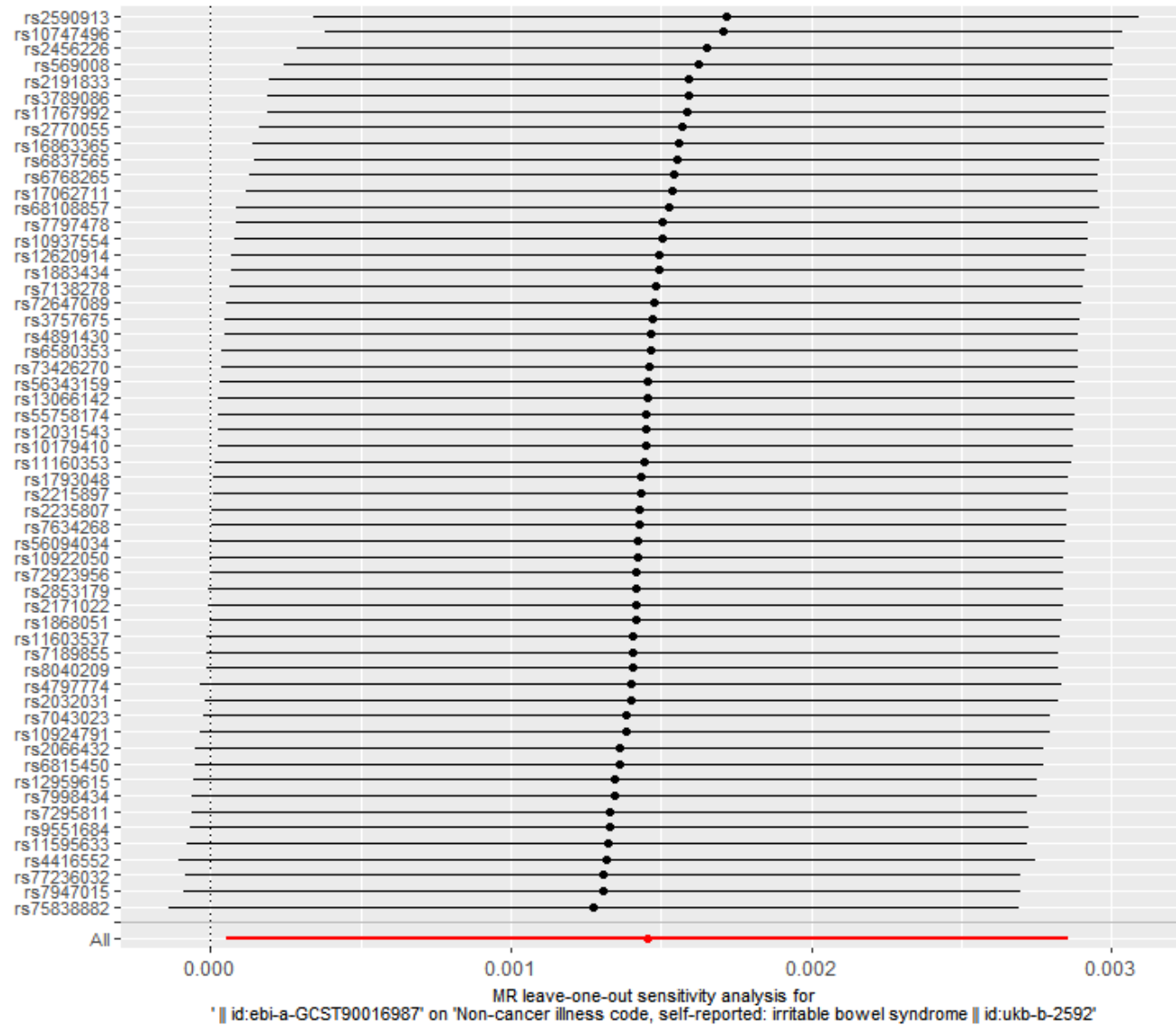
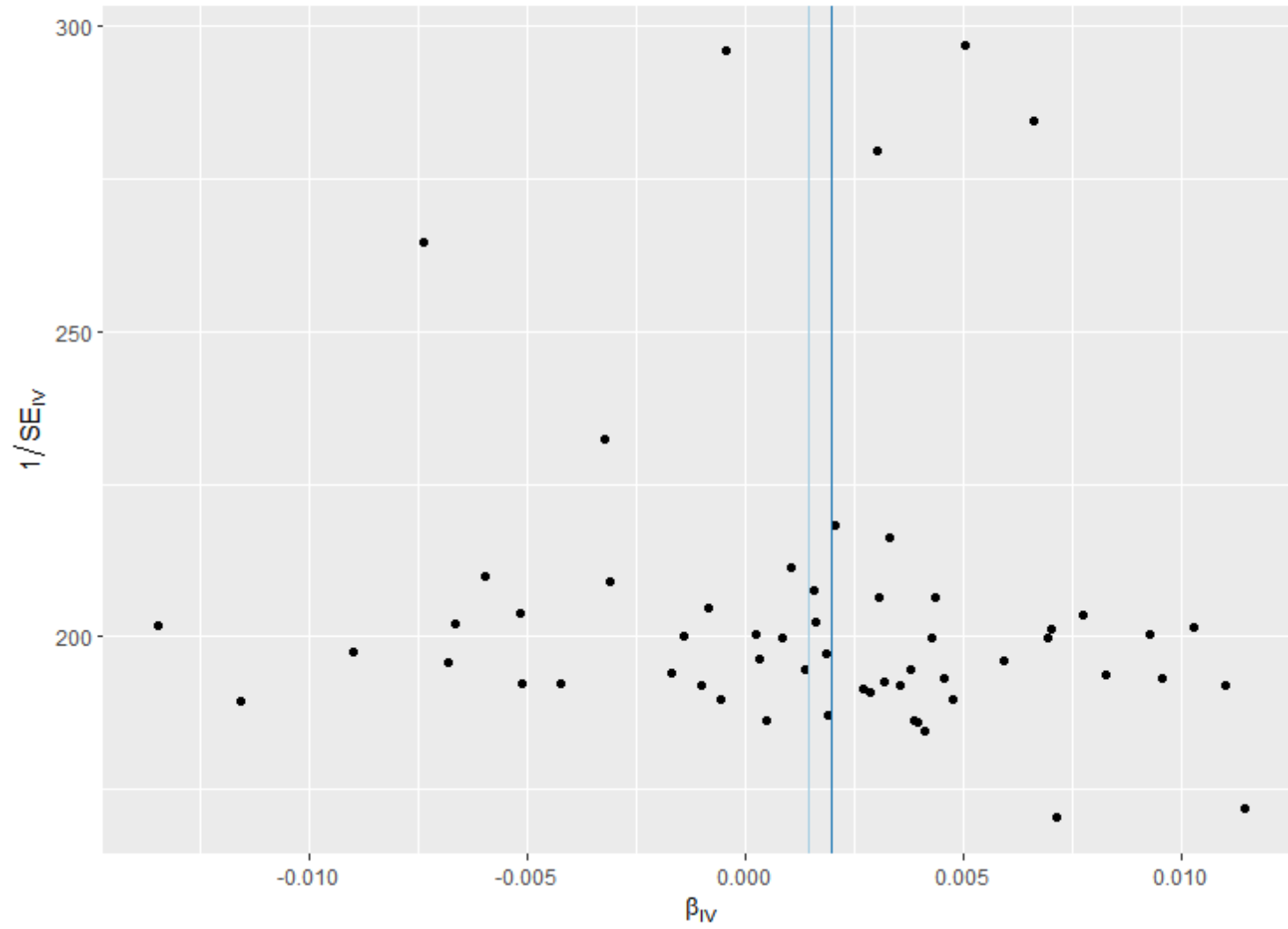


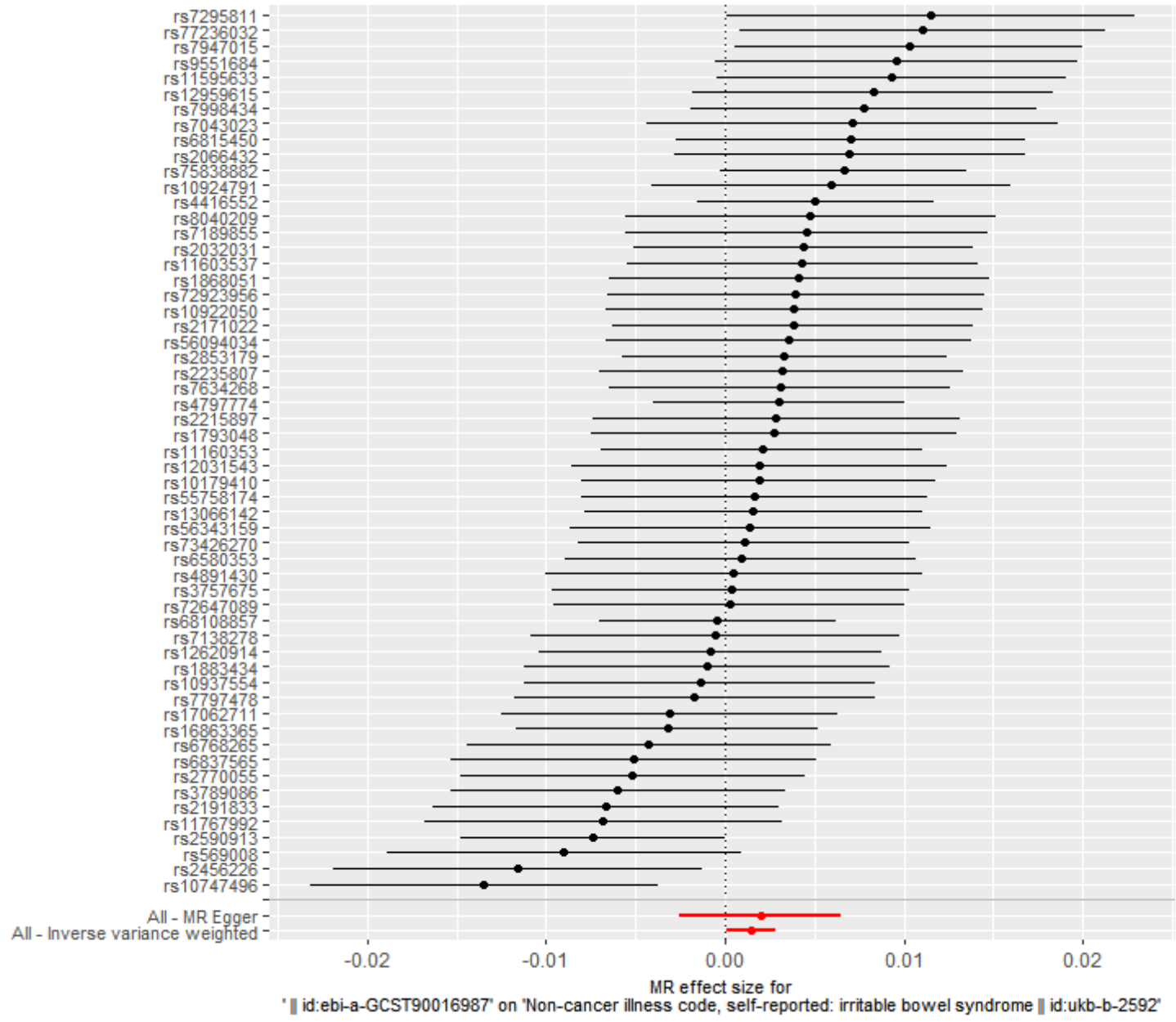
Figure 99 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Desulfovibrio* id.3173) on irritable bowel syndrome



MR Method

- Inverse variance weighted
- MR Egger





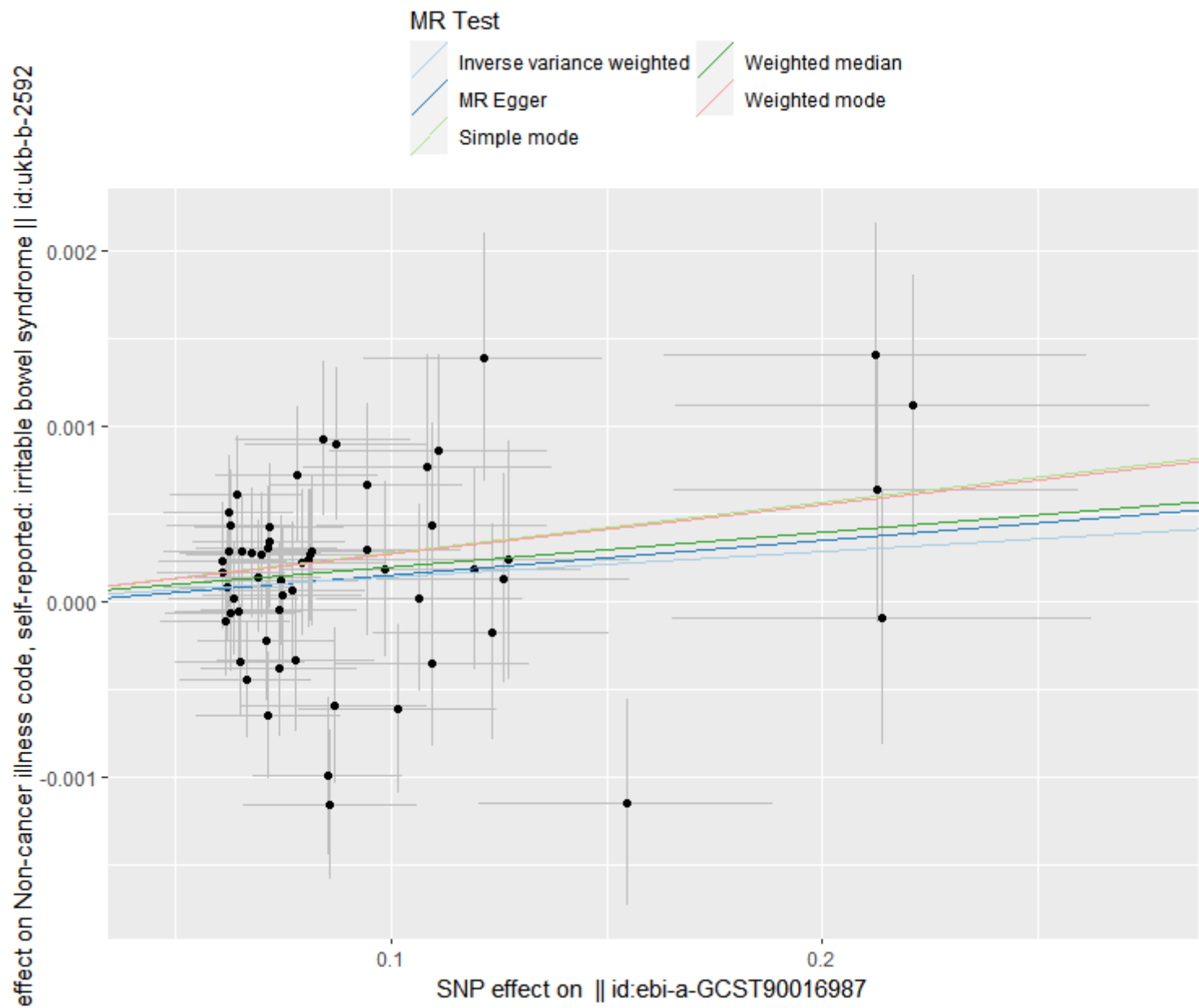
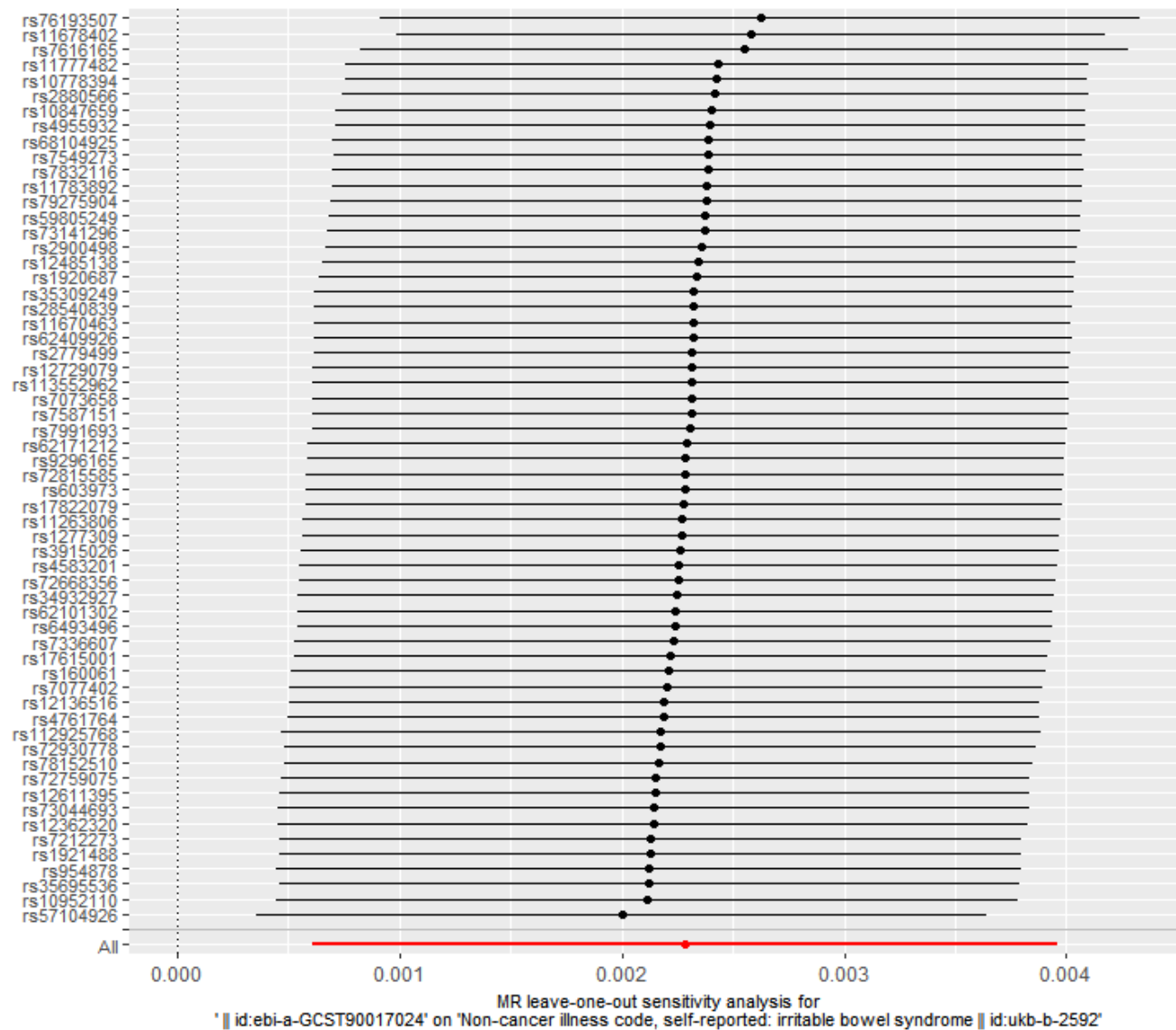
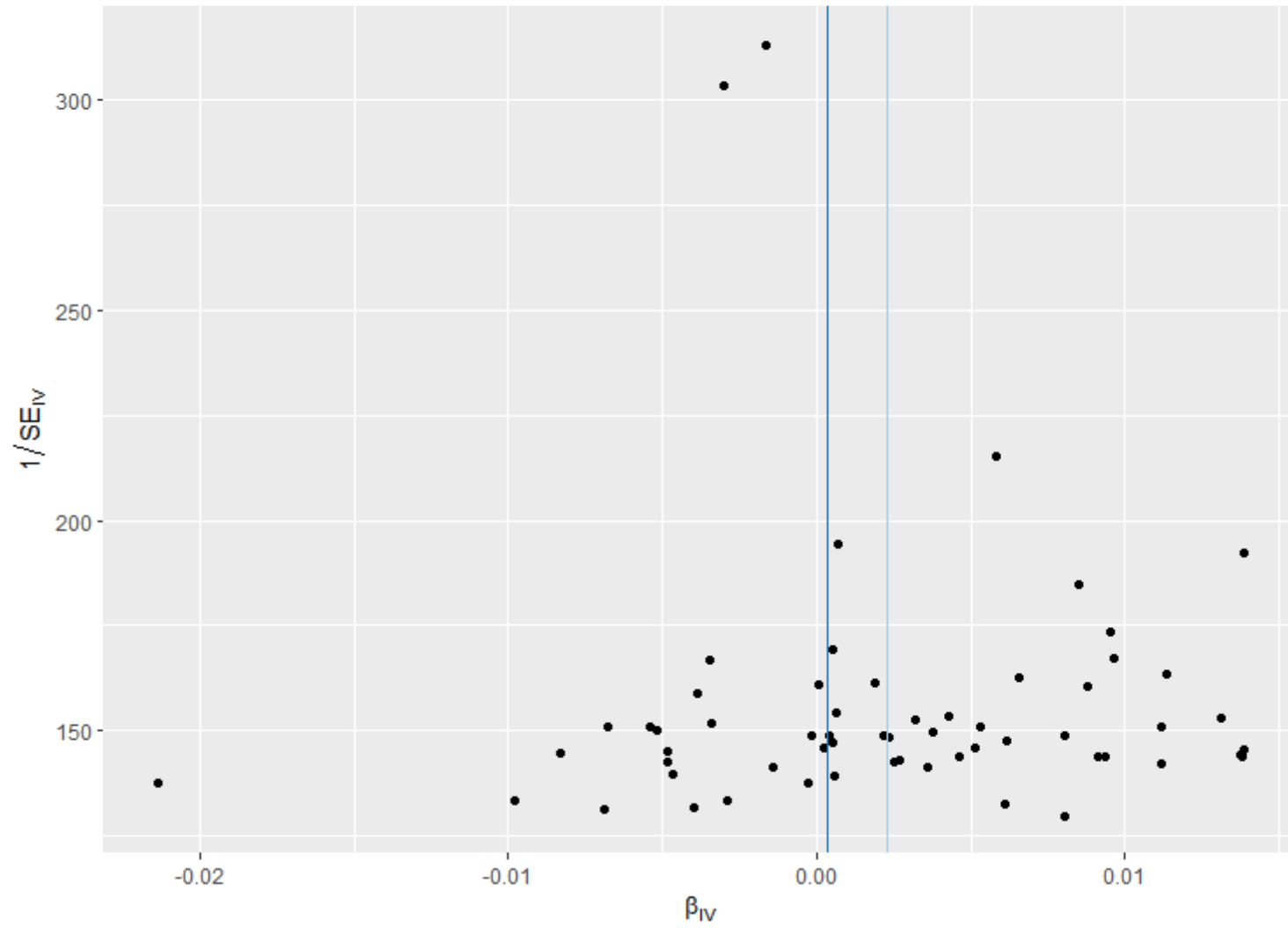


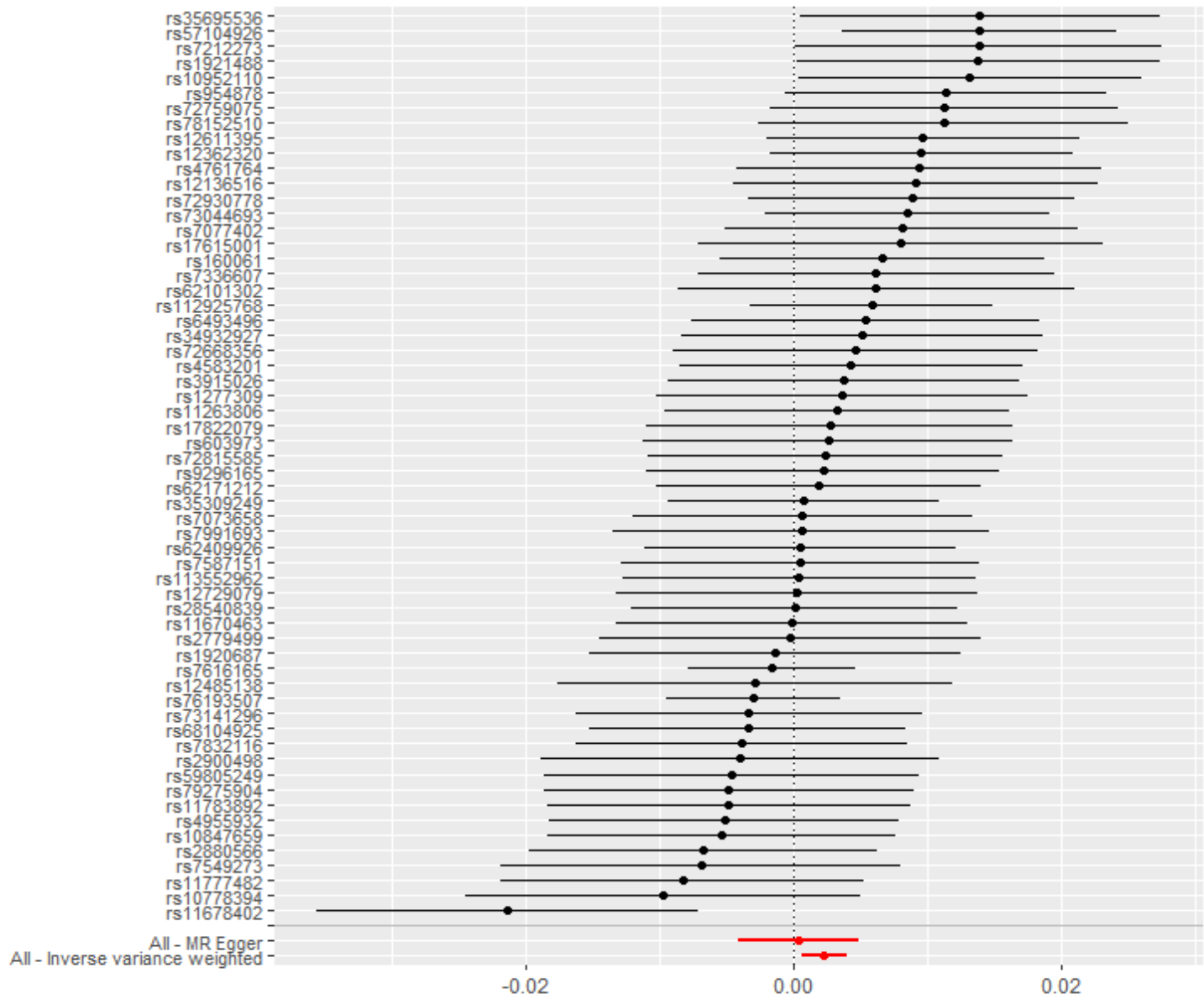
Figure 100 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on irritable bowel syndrome



MR Method

- Inverse variance weighted
- MR Egger





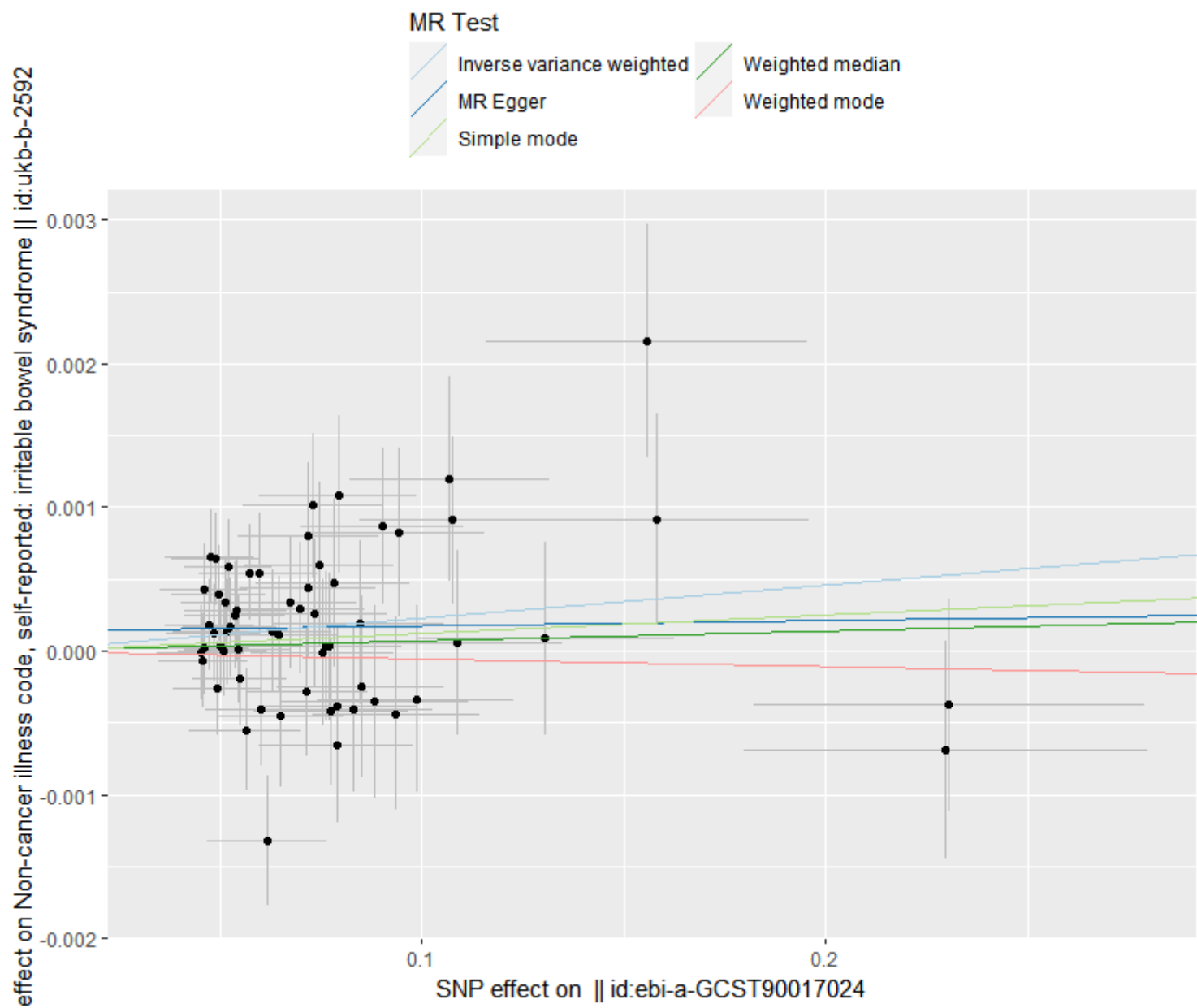
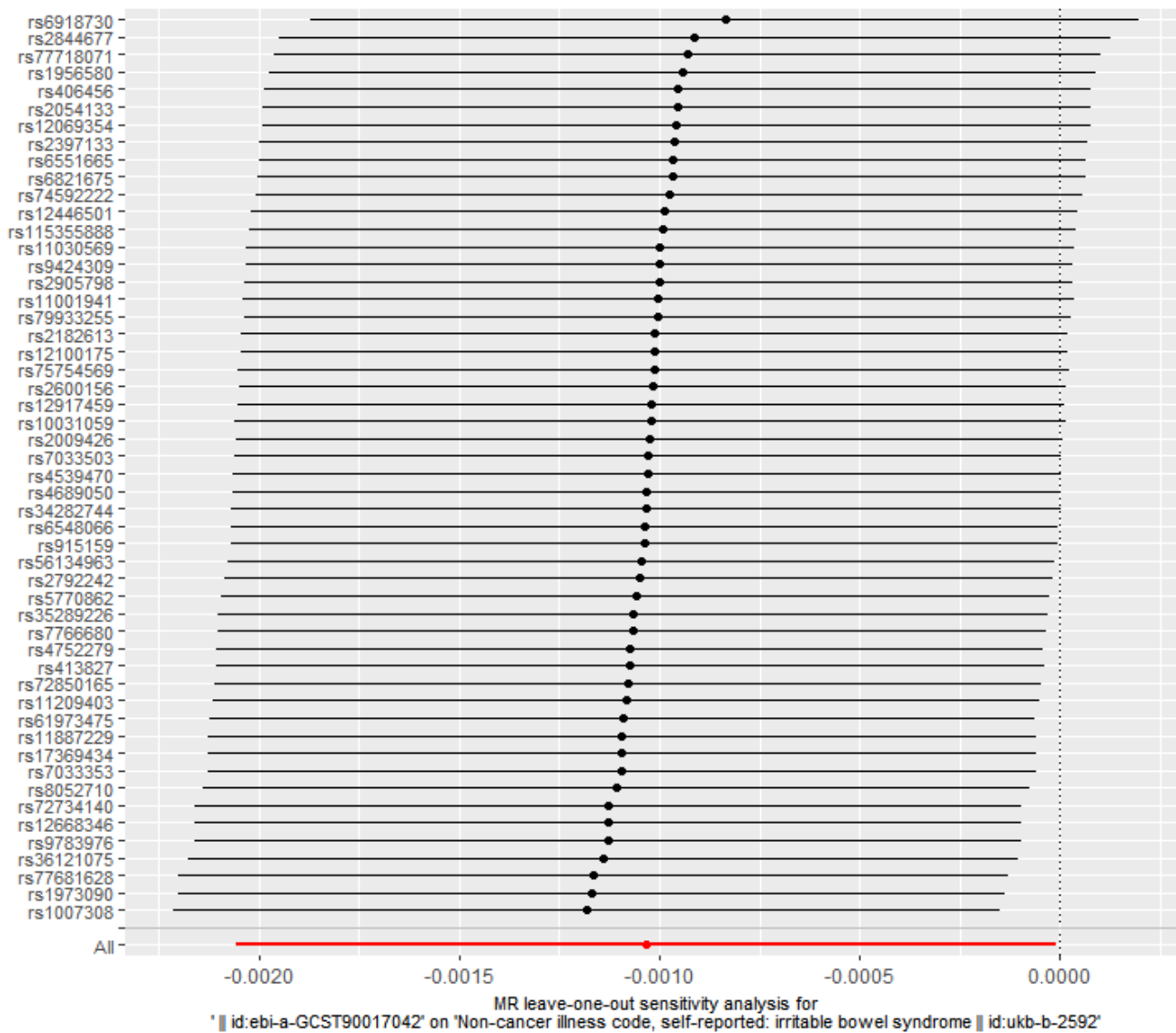
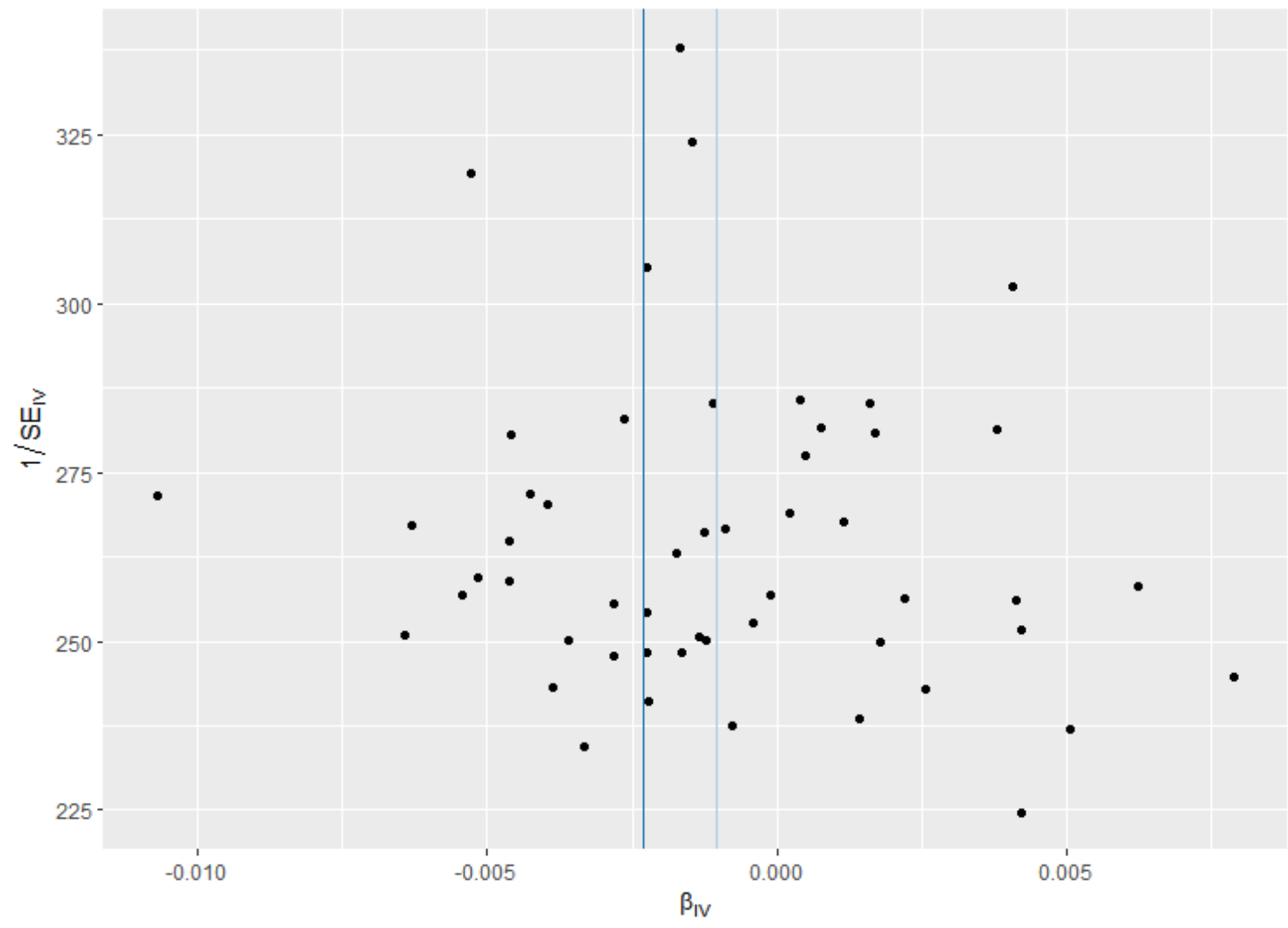


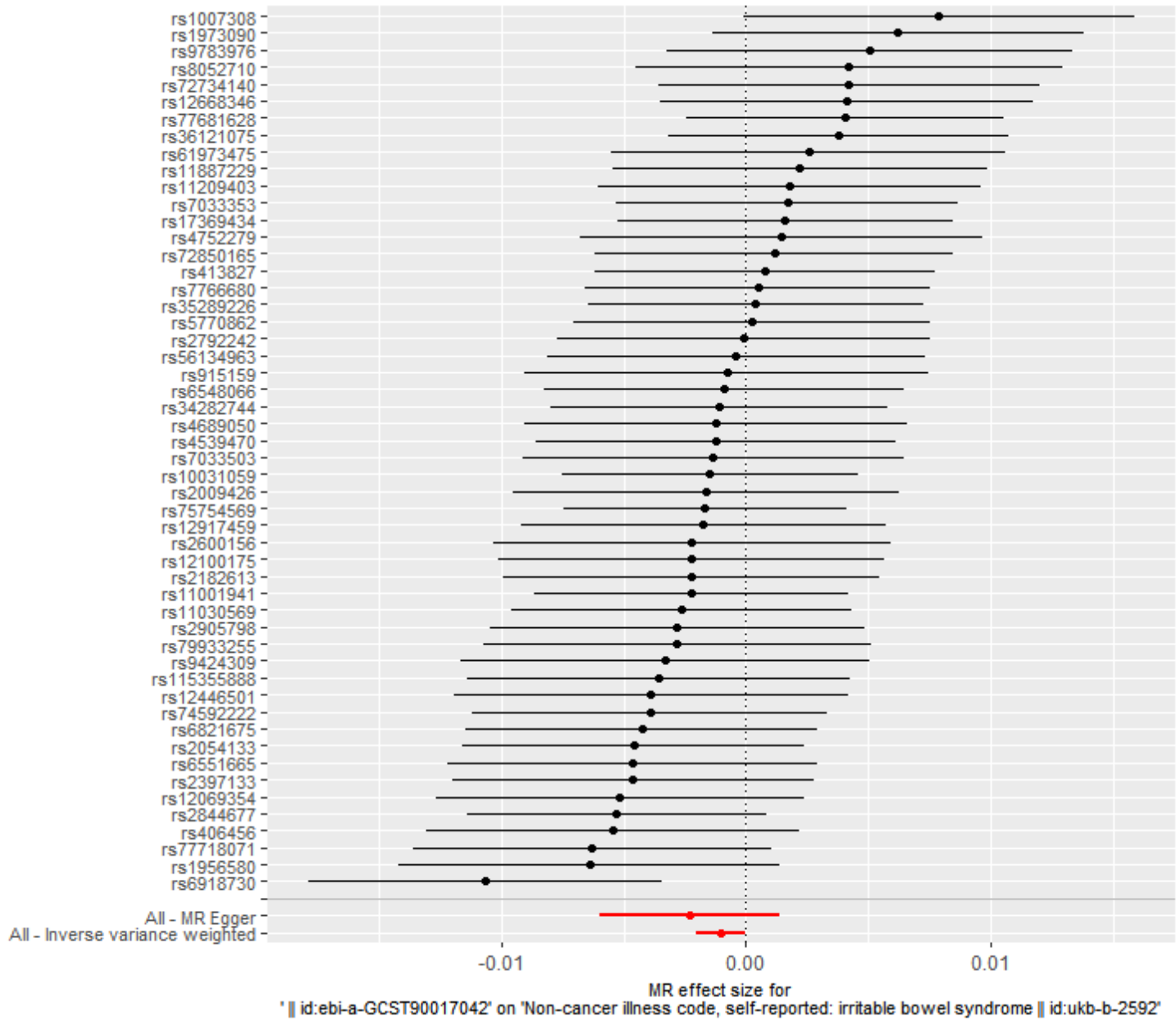
Figure 101 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Peptococcus* id.2037) on irritable bowel syndrome



MR Method

- Inverse variance weighted
- MR Egger





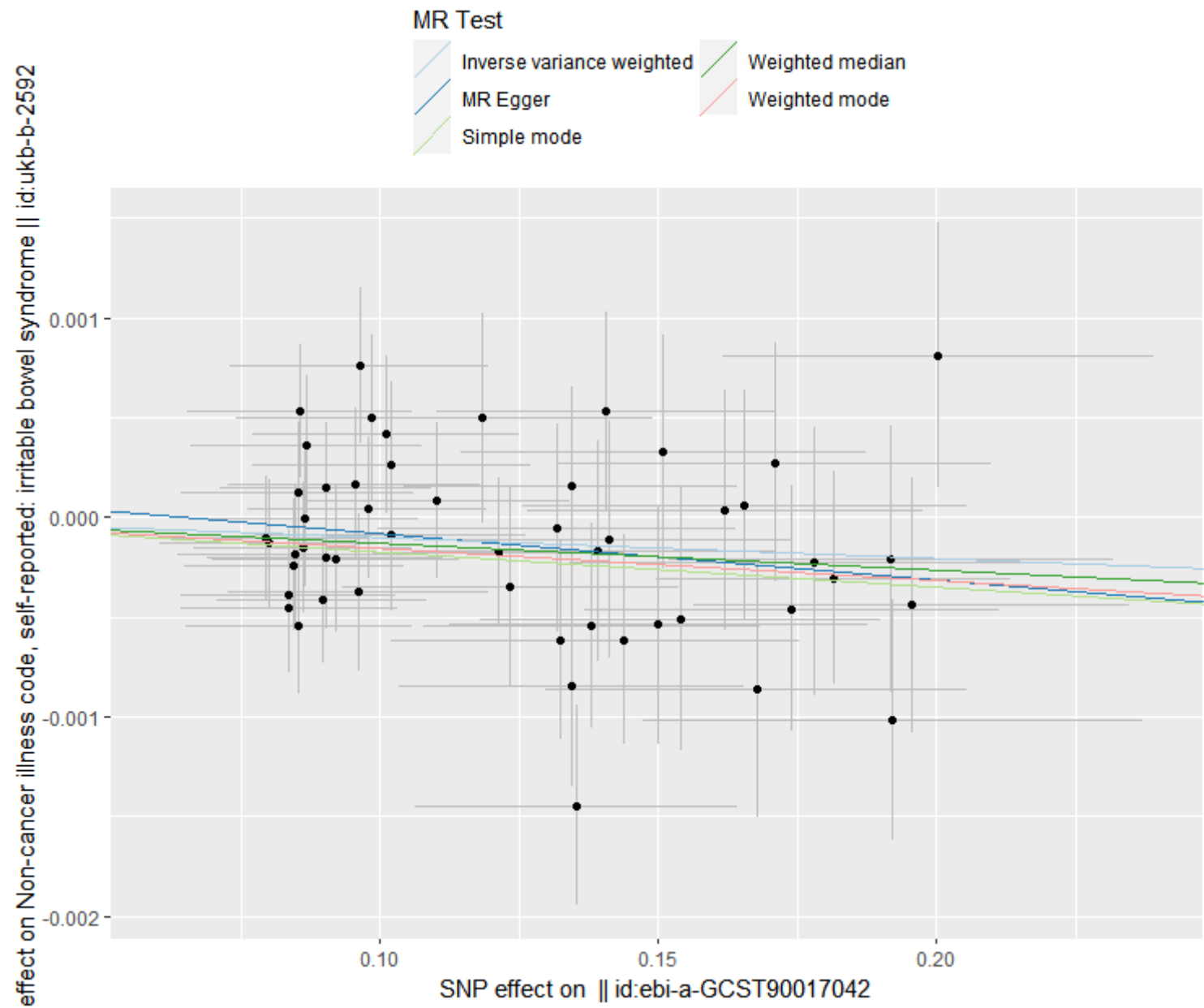
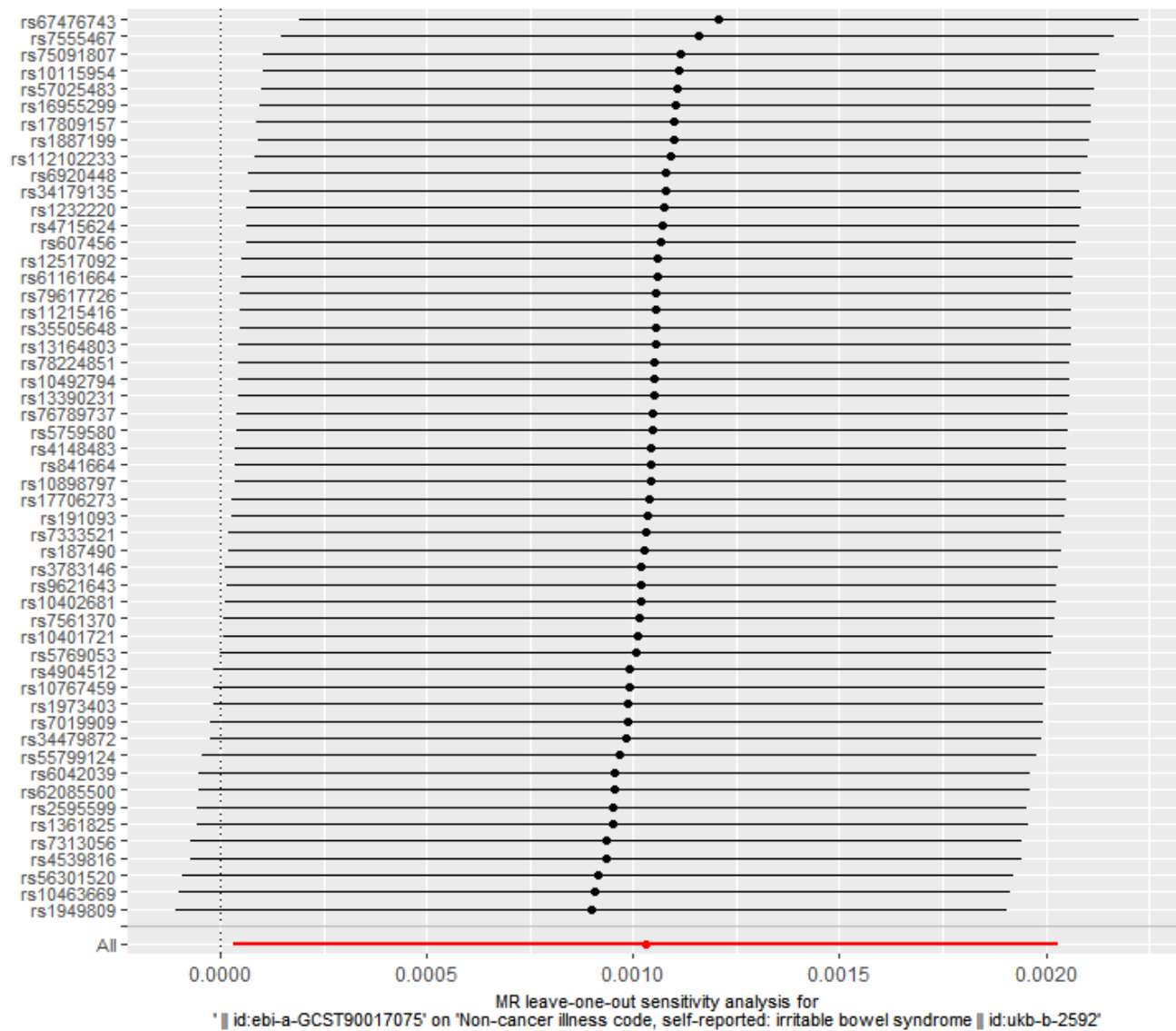
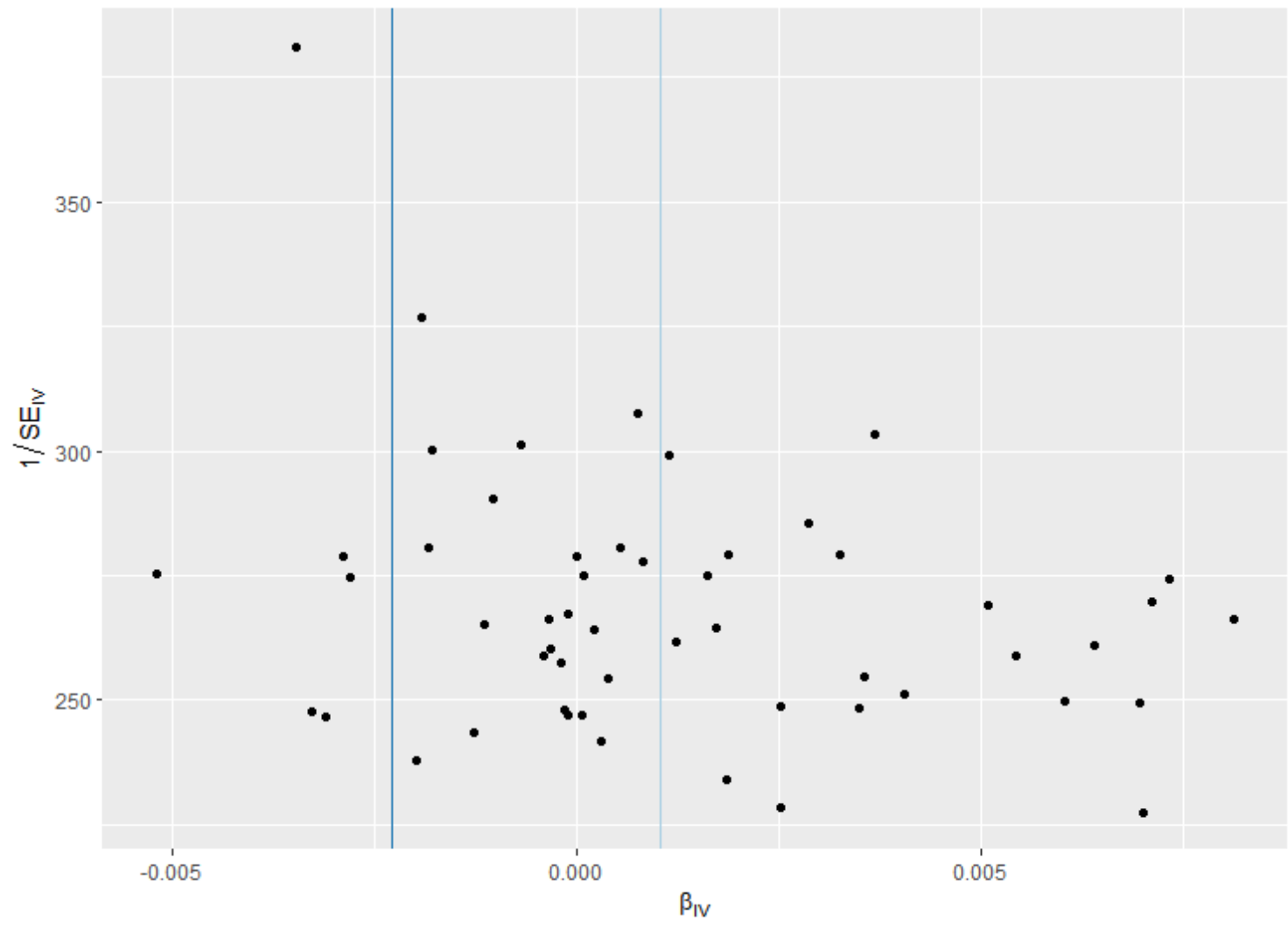


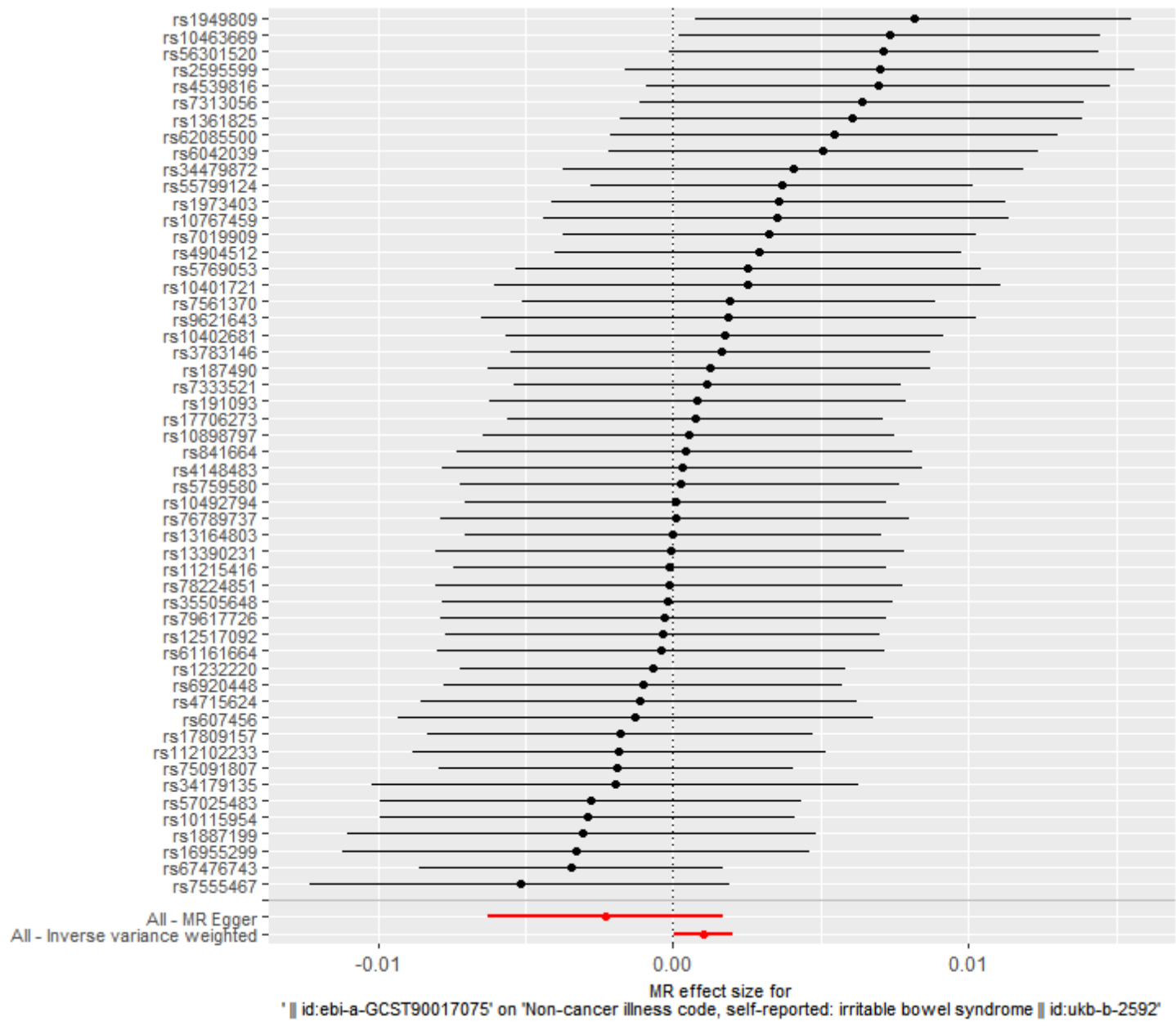
Figure 102 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Tyzzerella3 id.11335) on irritable bowel syndrome



MR Method

- Inverse variance weighted
- MR Egger





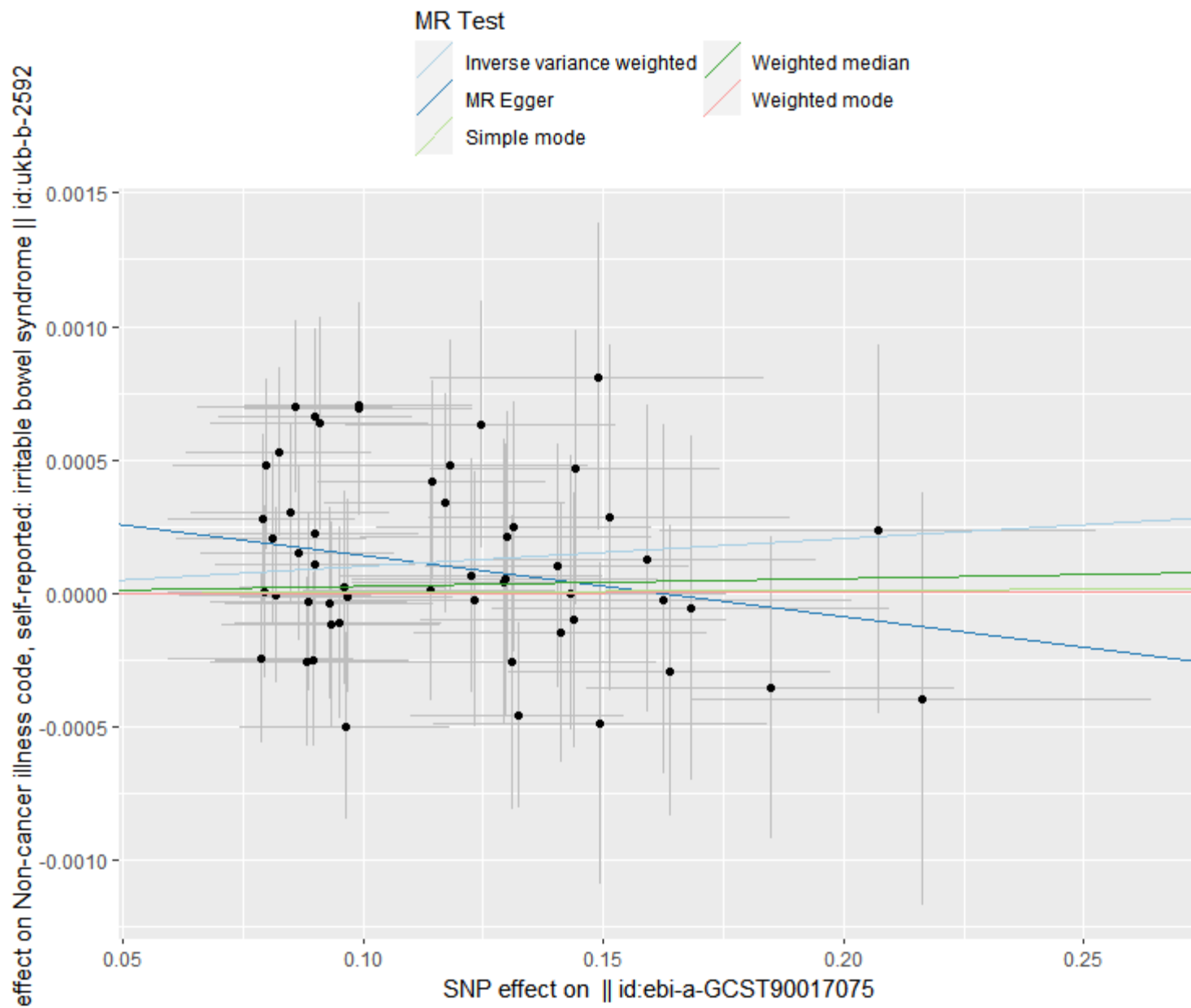
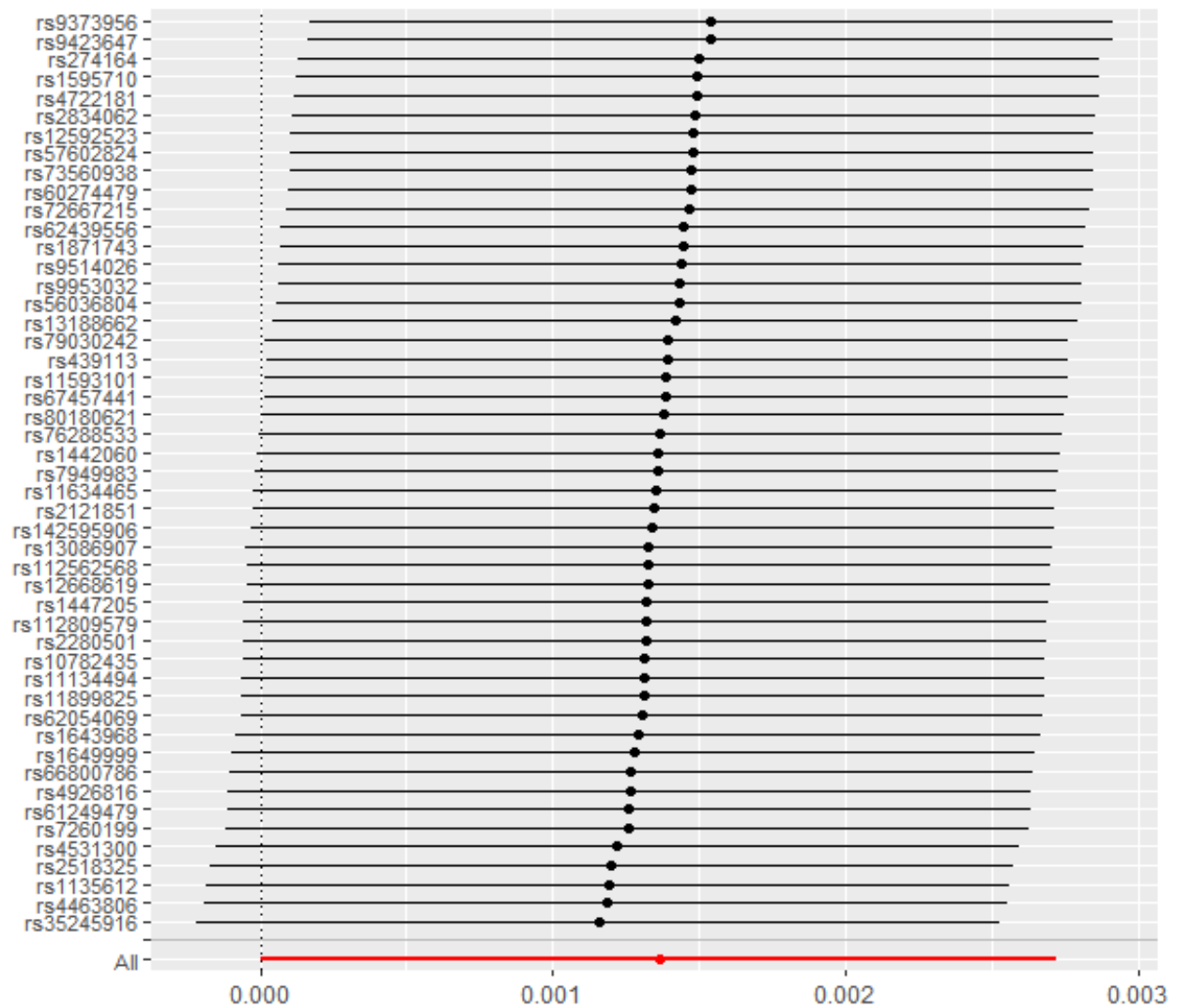


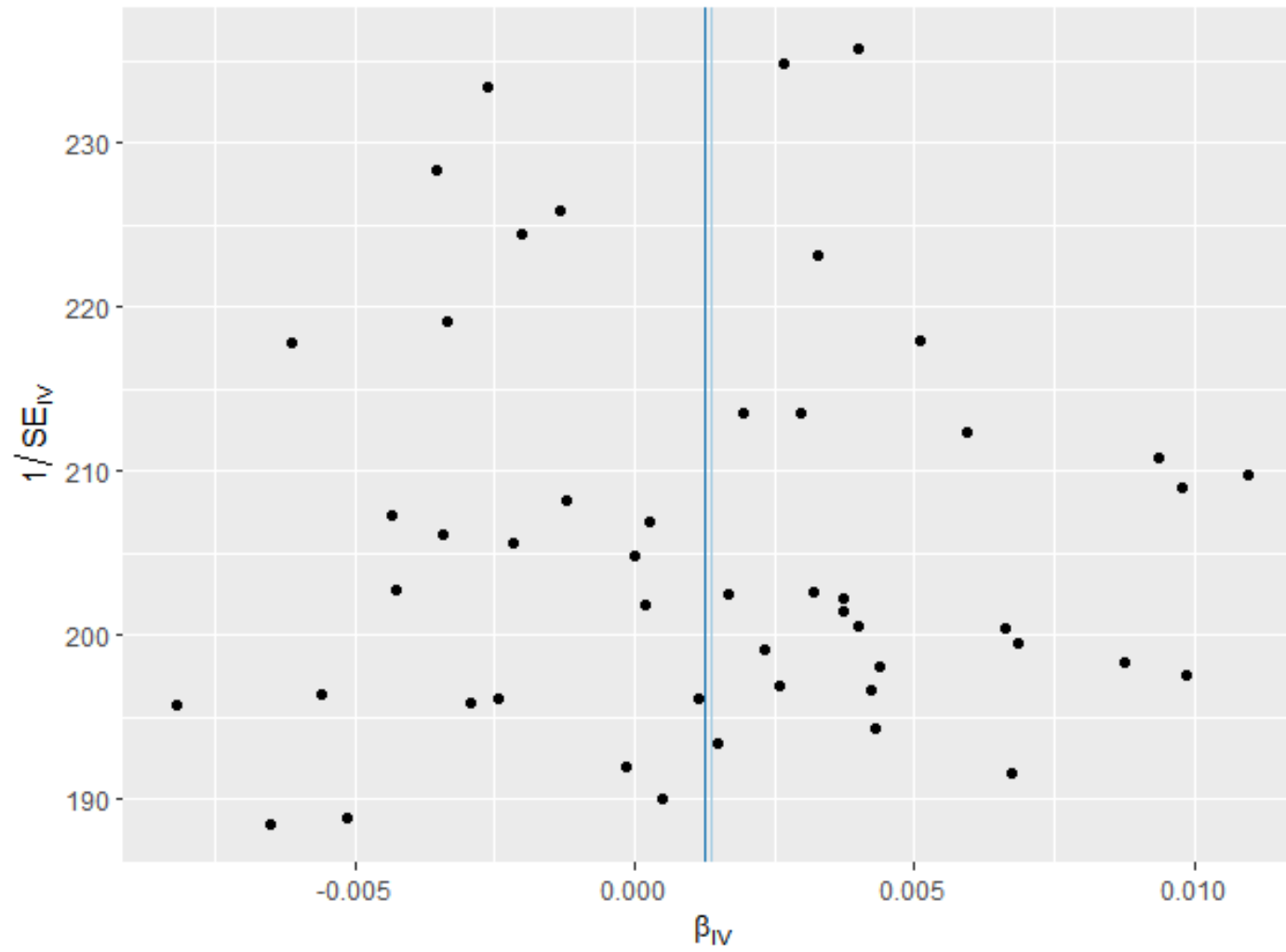
Figure 103 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Negativicutes id.2164) on diverticular disease

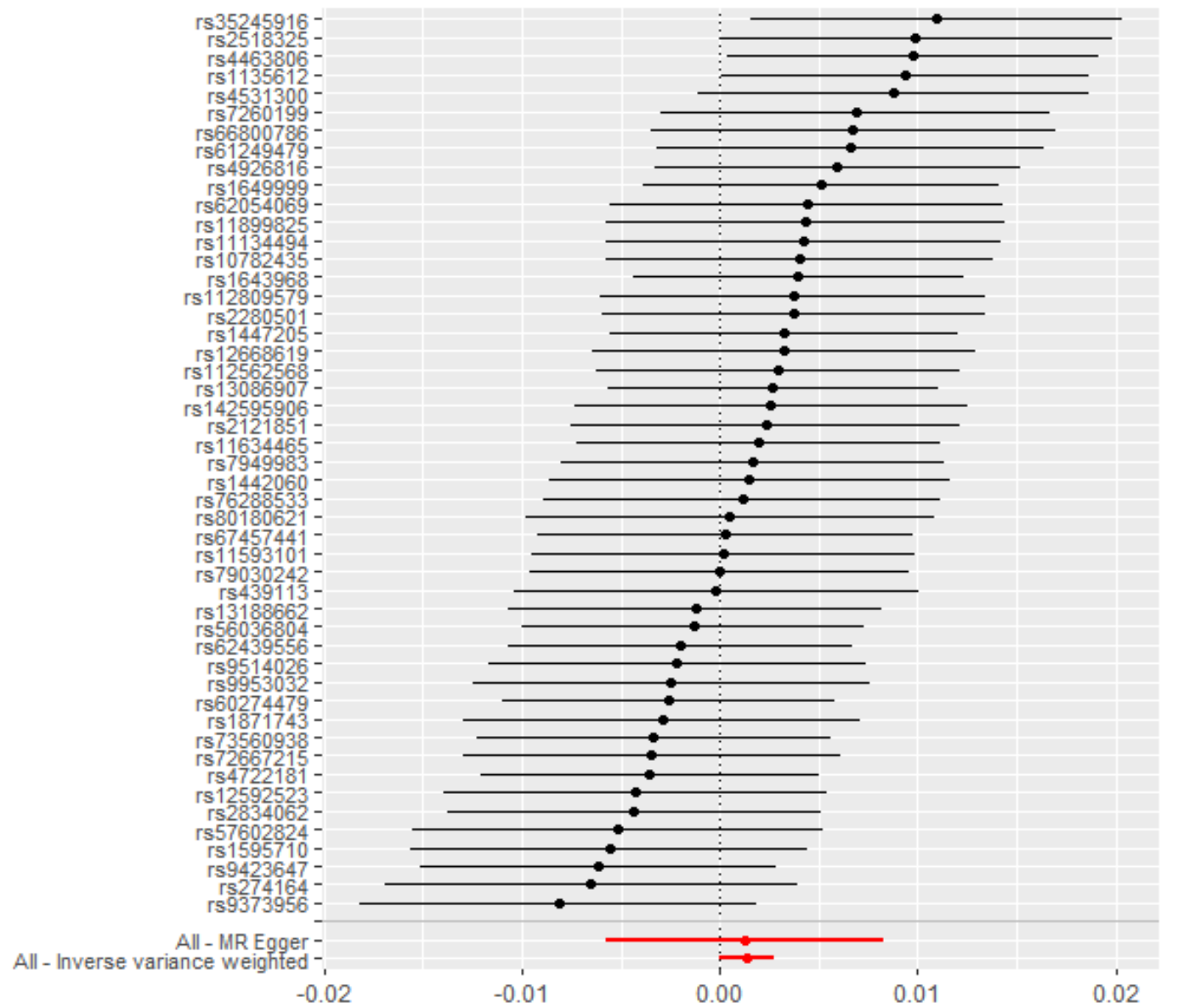


MR leave-one-out sensitivity analysis for
' || id:ebi-a-GCST90016922' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-14'

MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016922' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id

non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

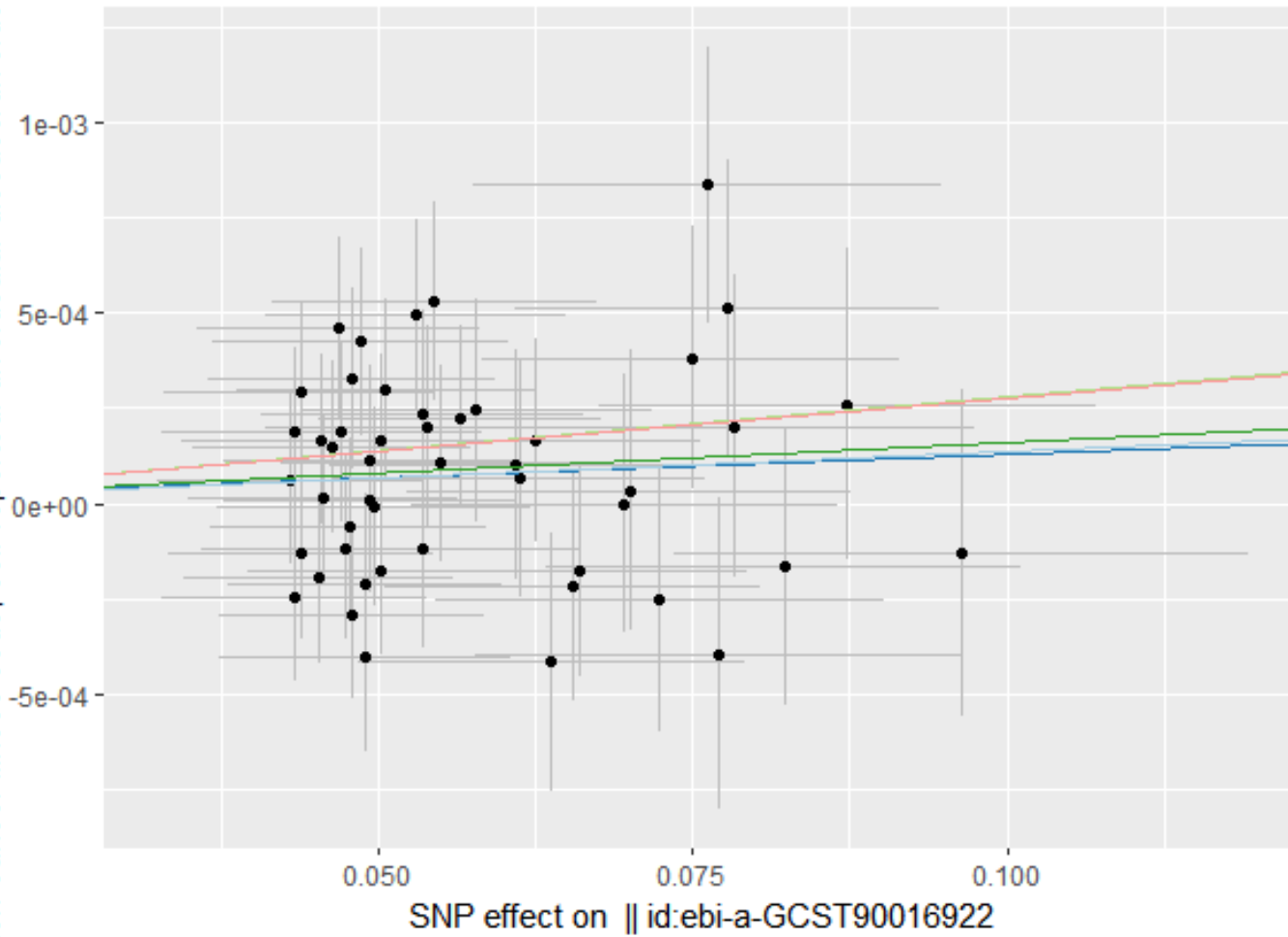
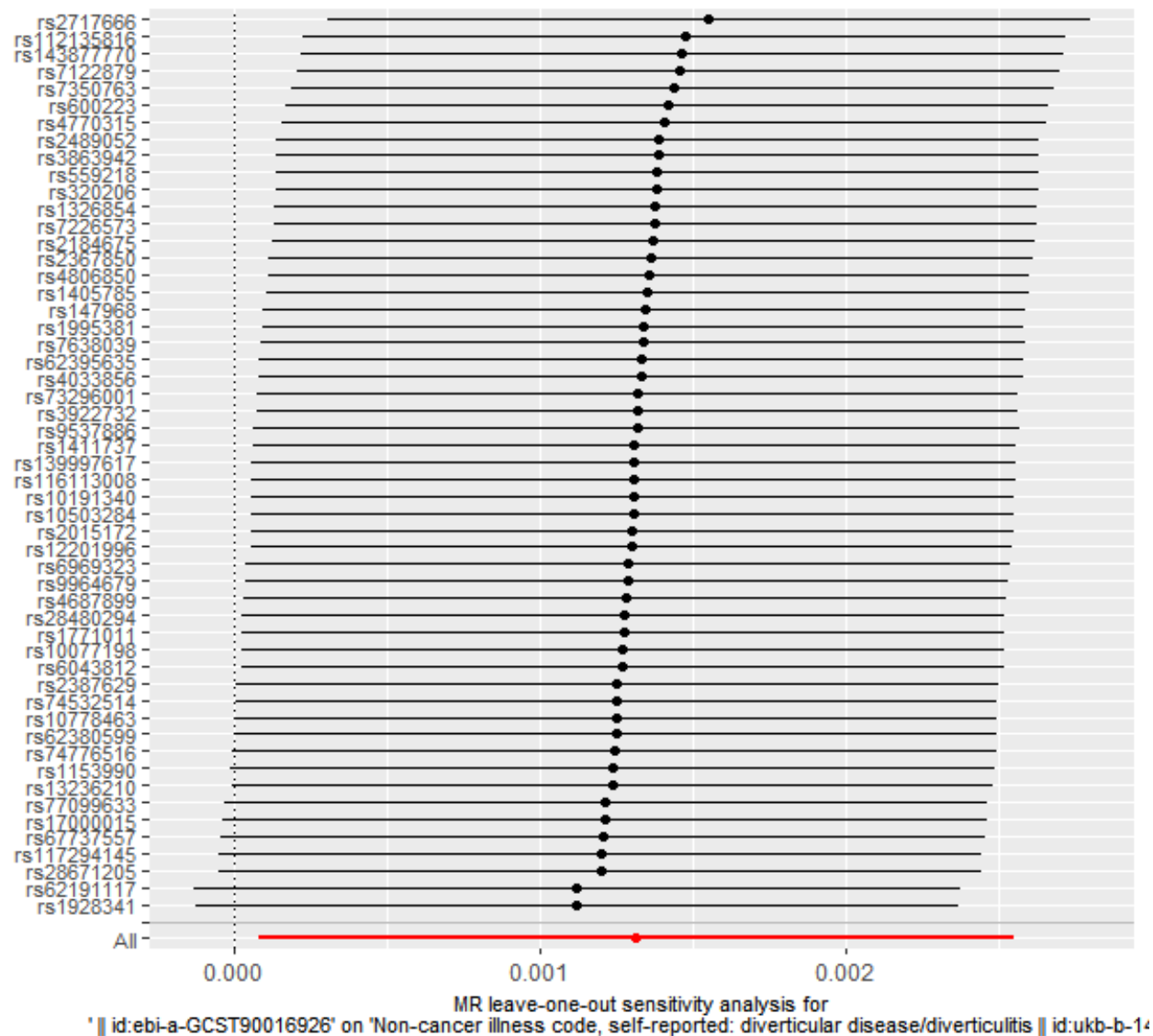
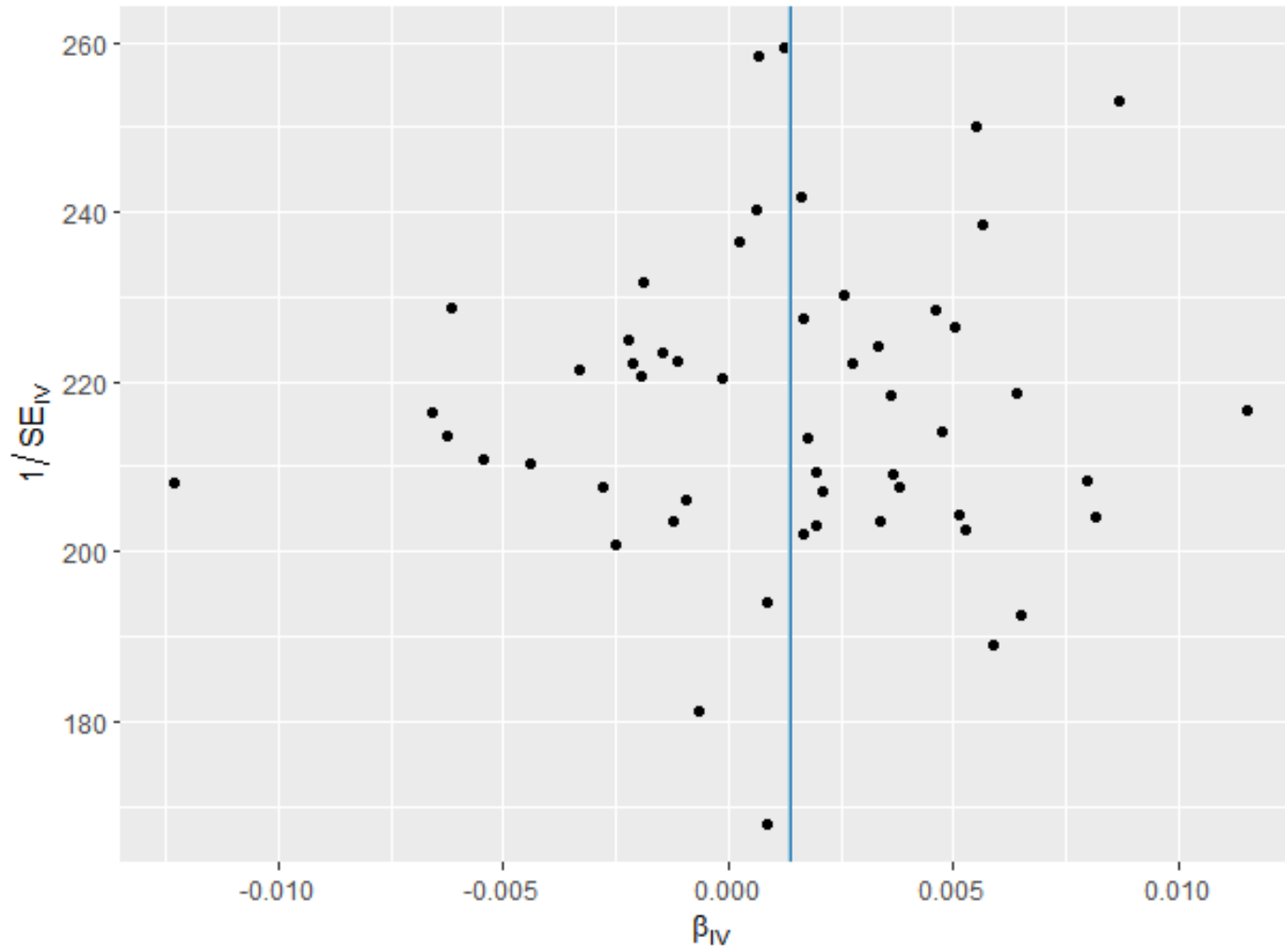


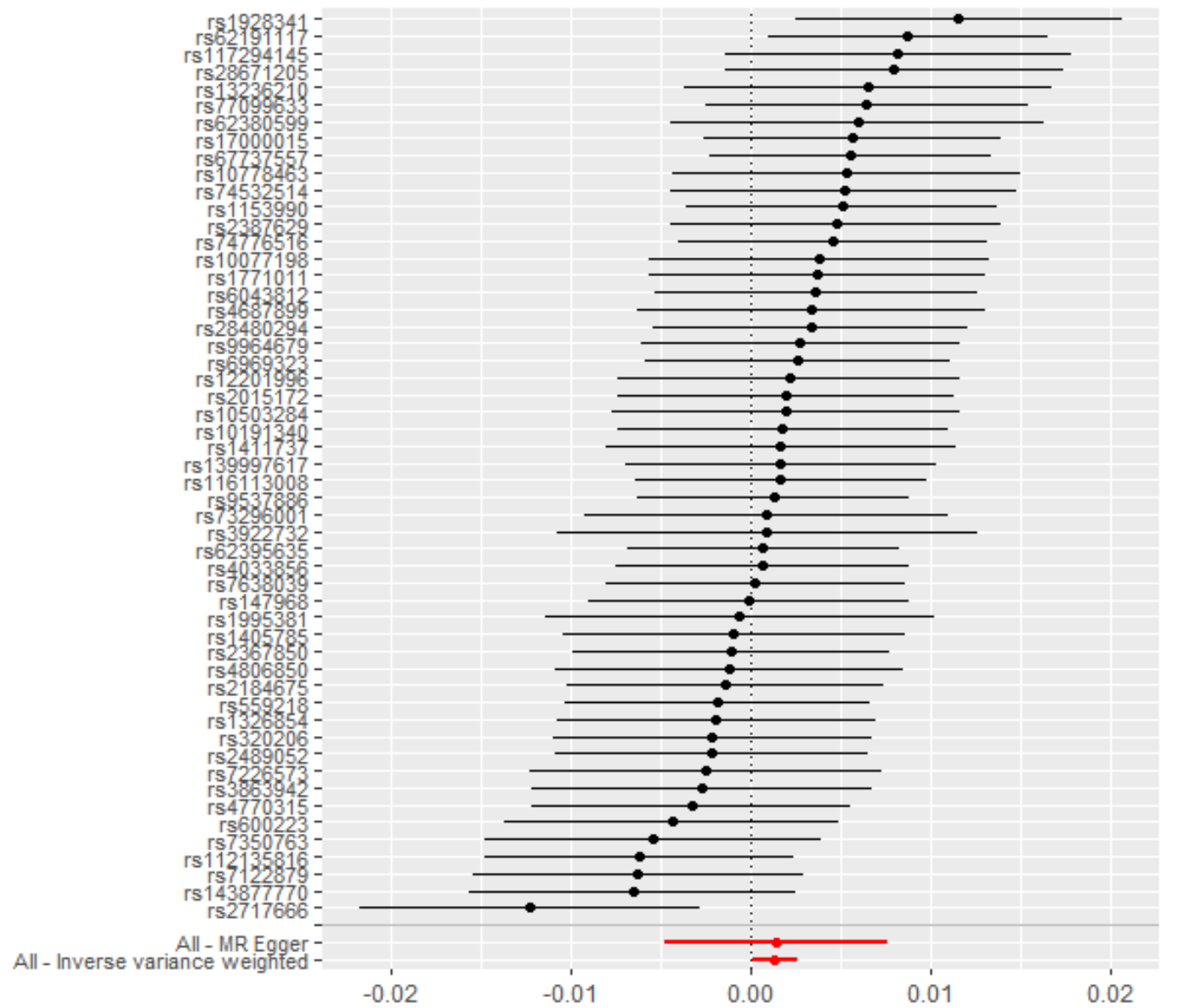
Figure 104 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Alcaligenaceae id.2875) on diverticular disease



MR Method

- Inverse variance weighted
- MR Egger





non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

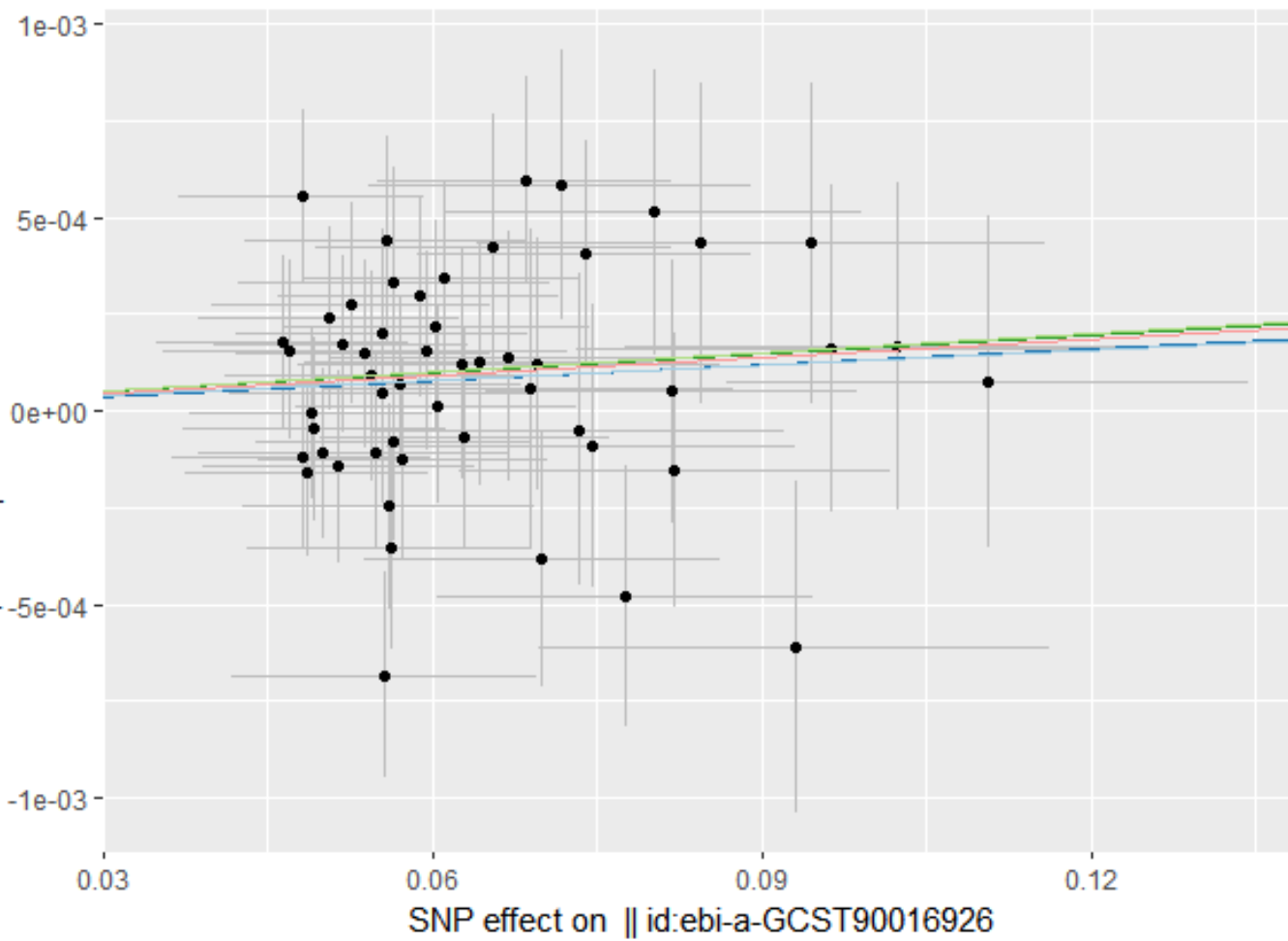
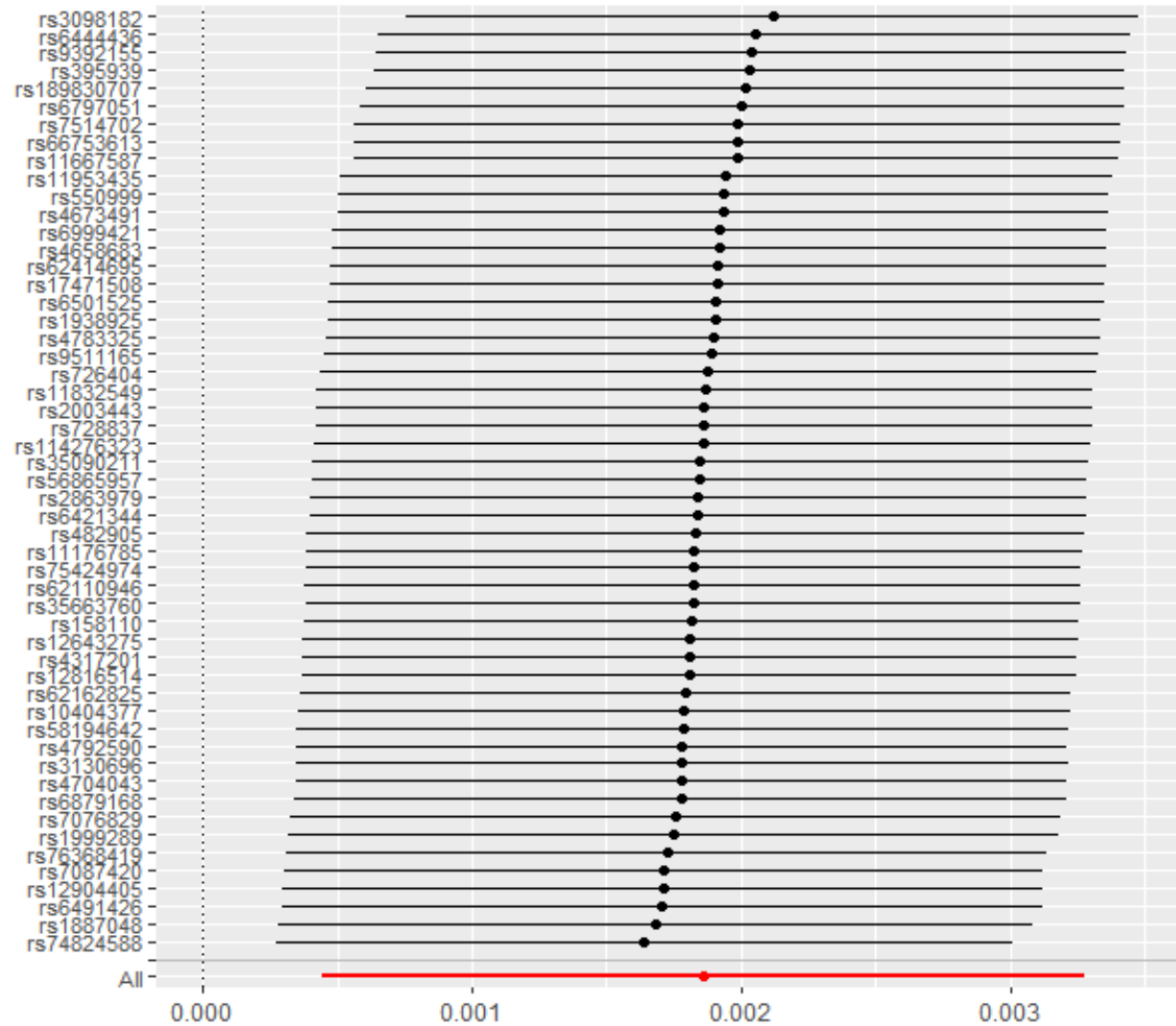


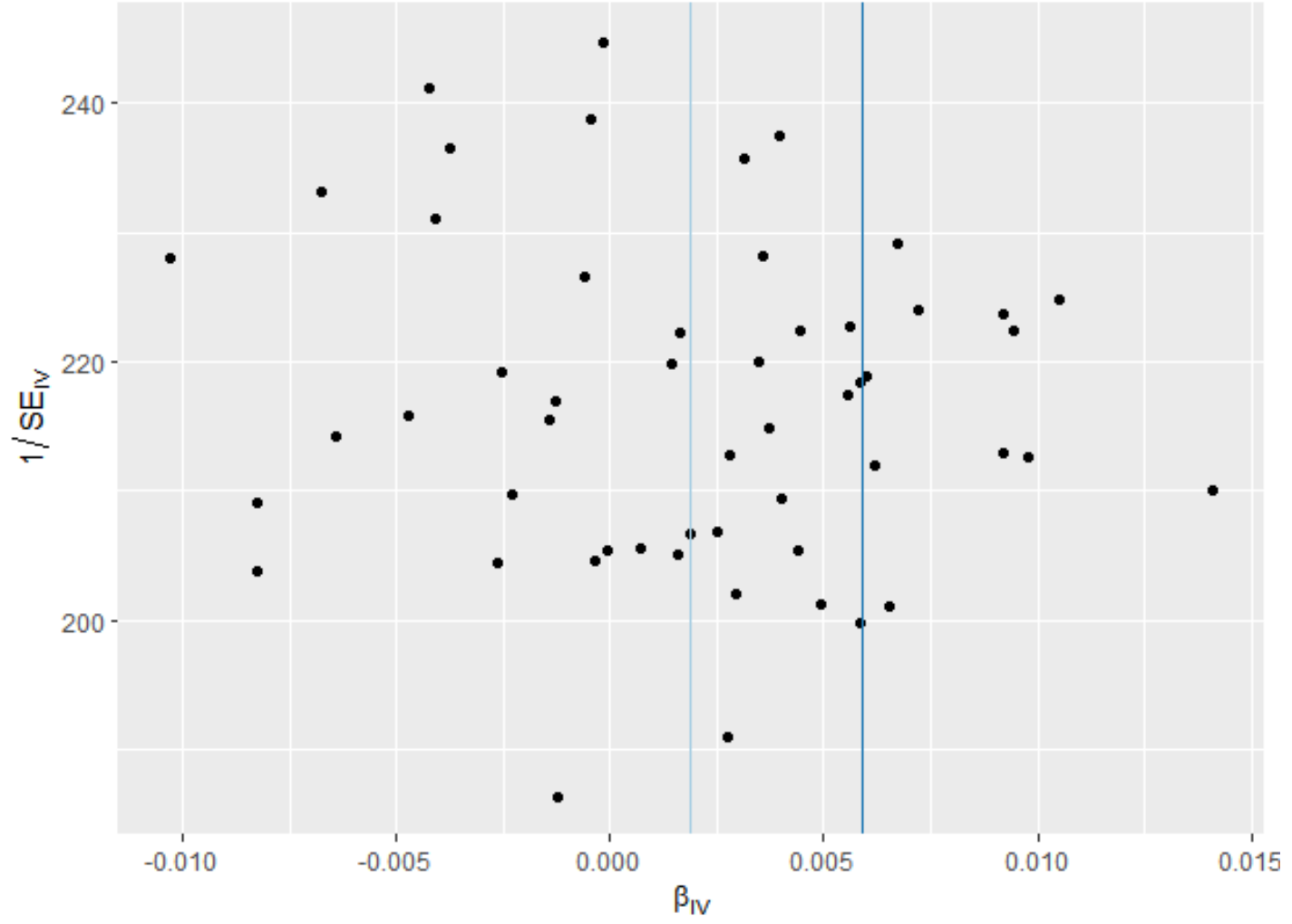
Figure 105 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Family XIII id.1957) on diverticular disease

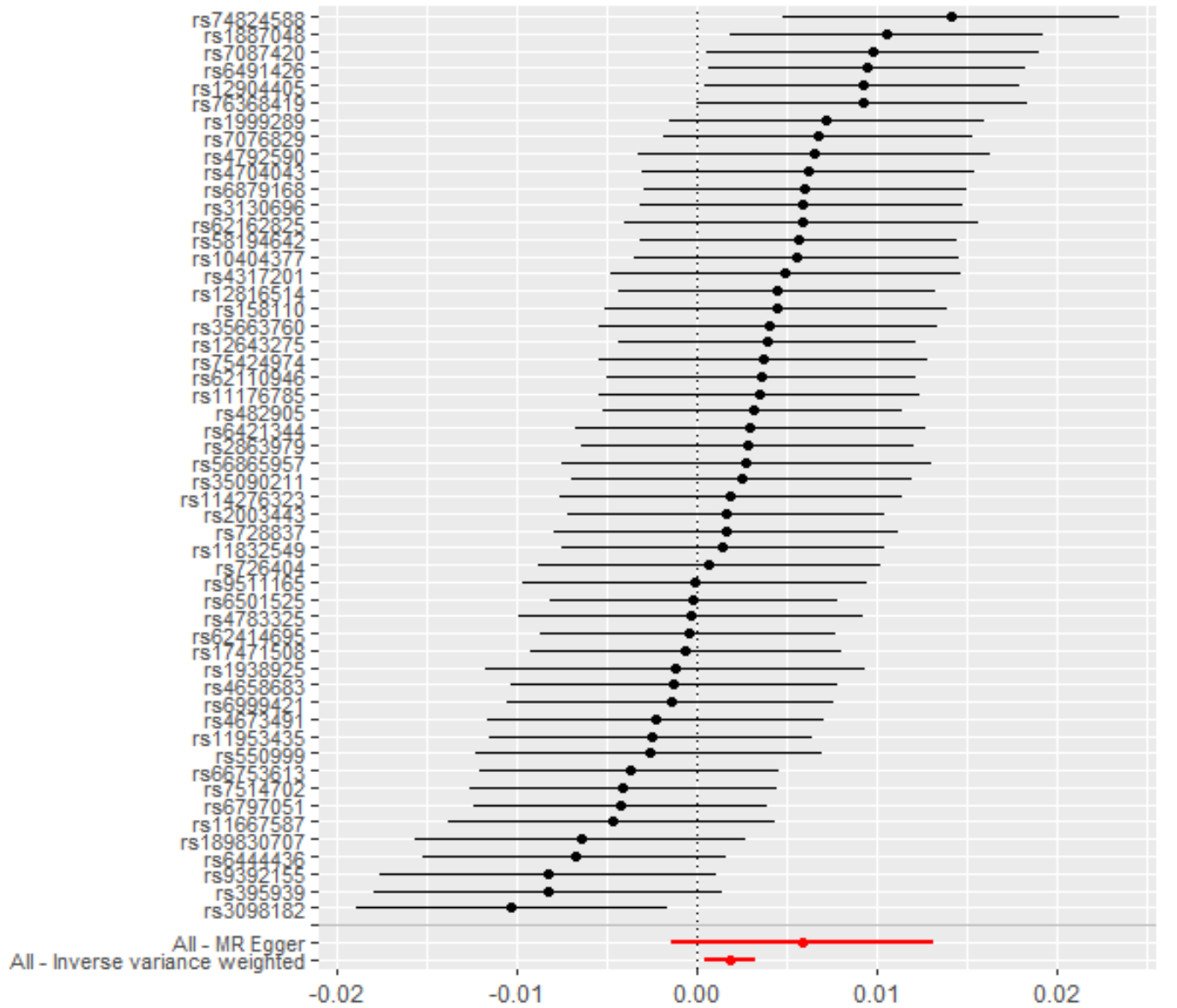


MR leave-one-out sensitivity analysis for
 ' || id:ebi-a-GCST90016939' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-14'

MR Method

- Inverse variance weighted
- MR Egger





' || id:ebi-a-GCST90016939' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis' || id

Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

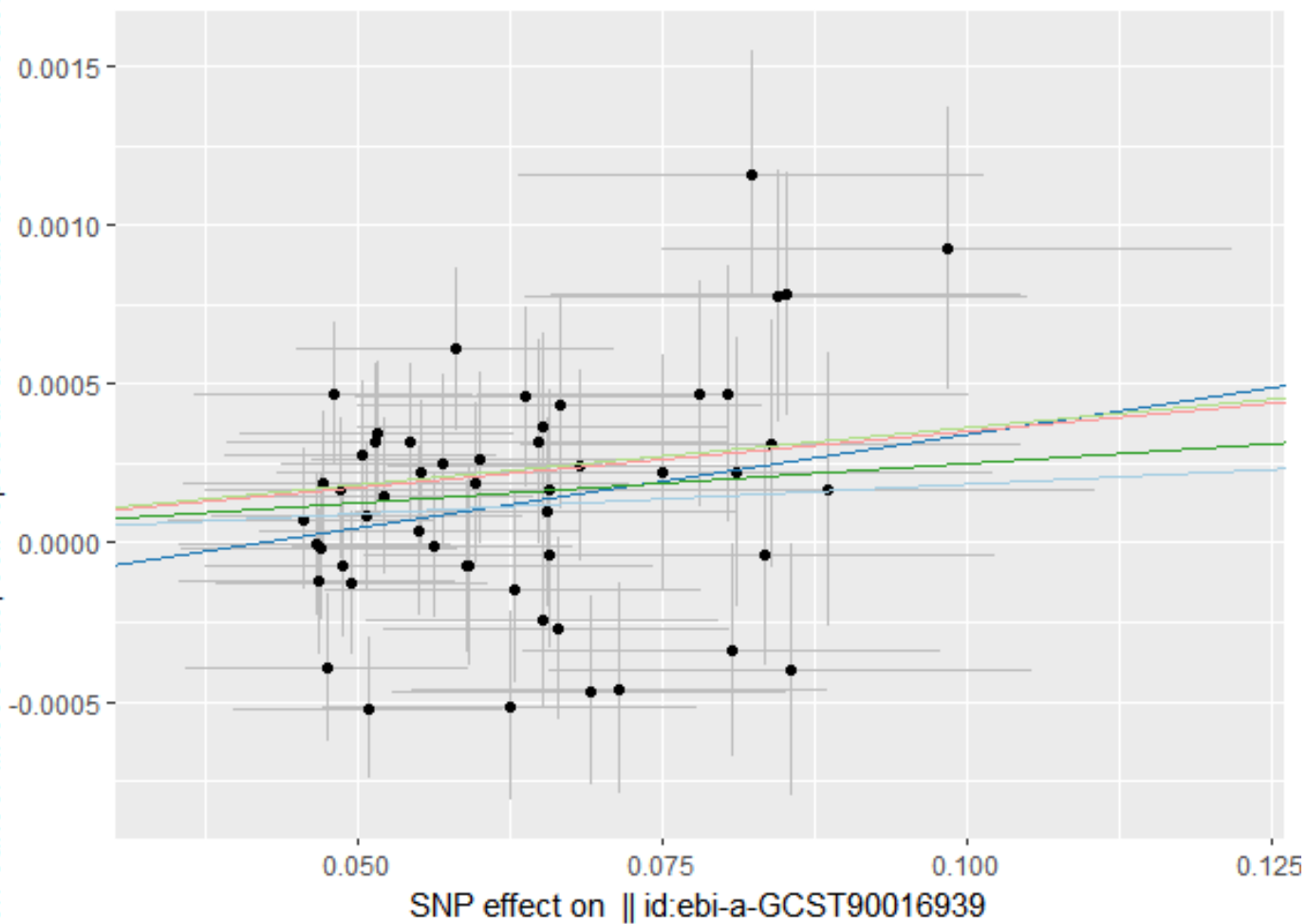
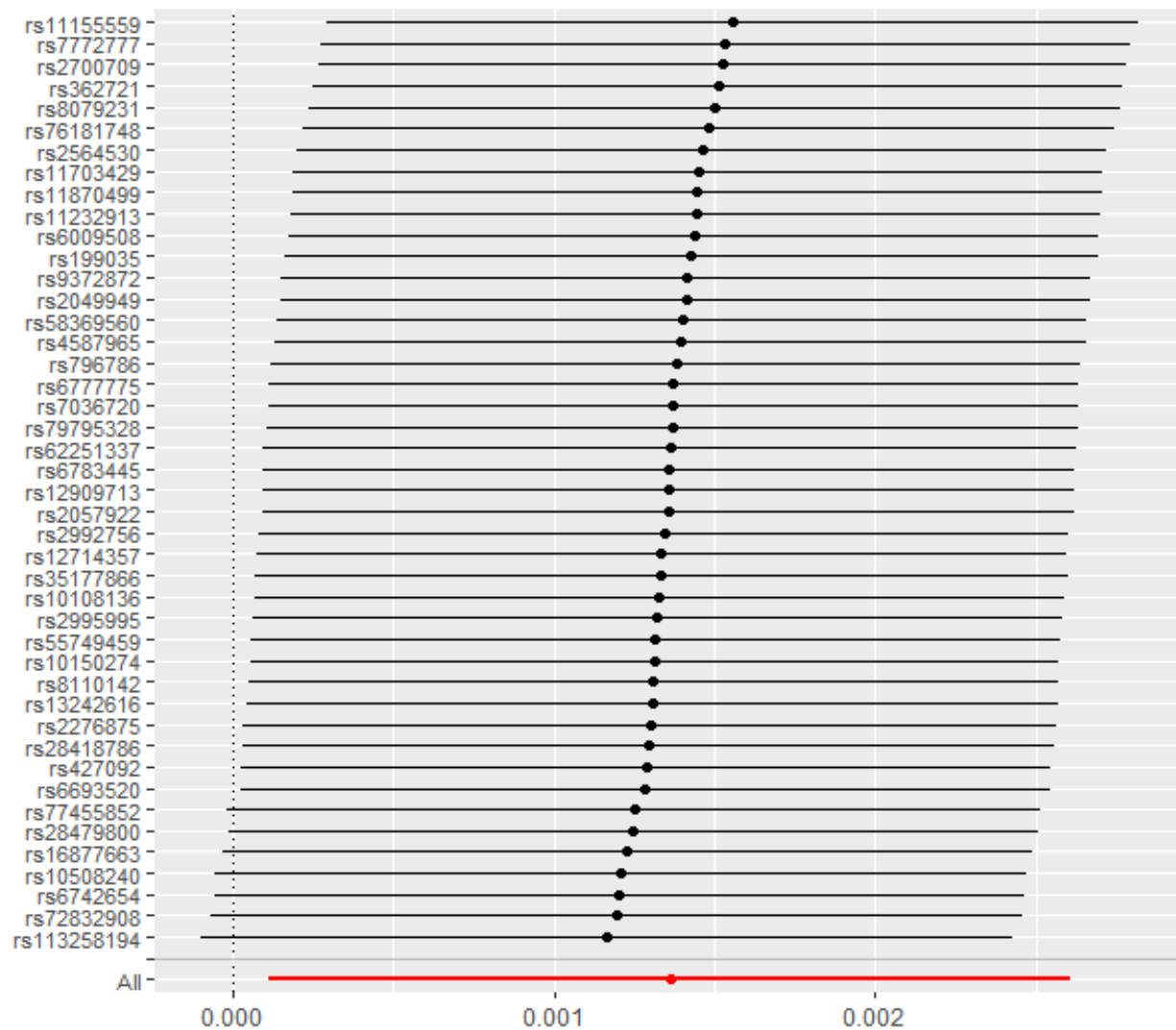
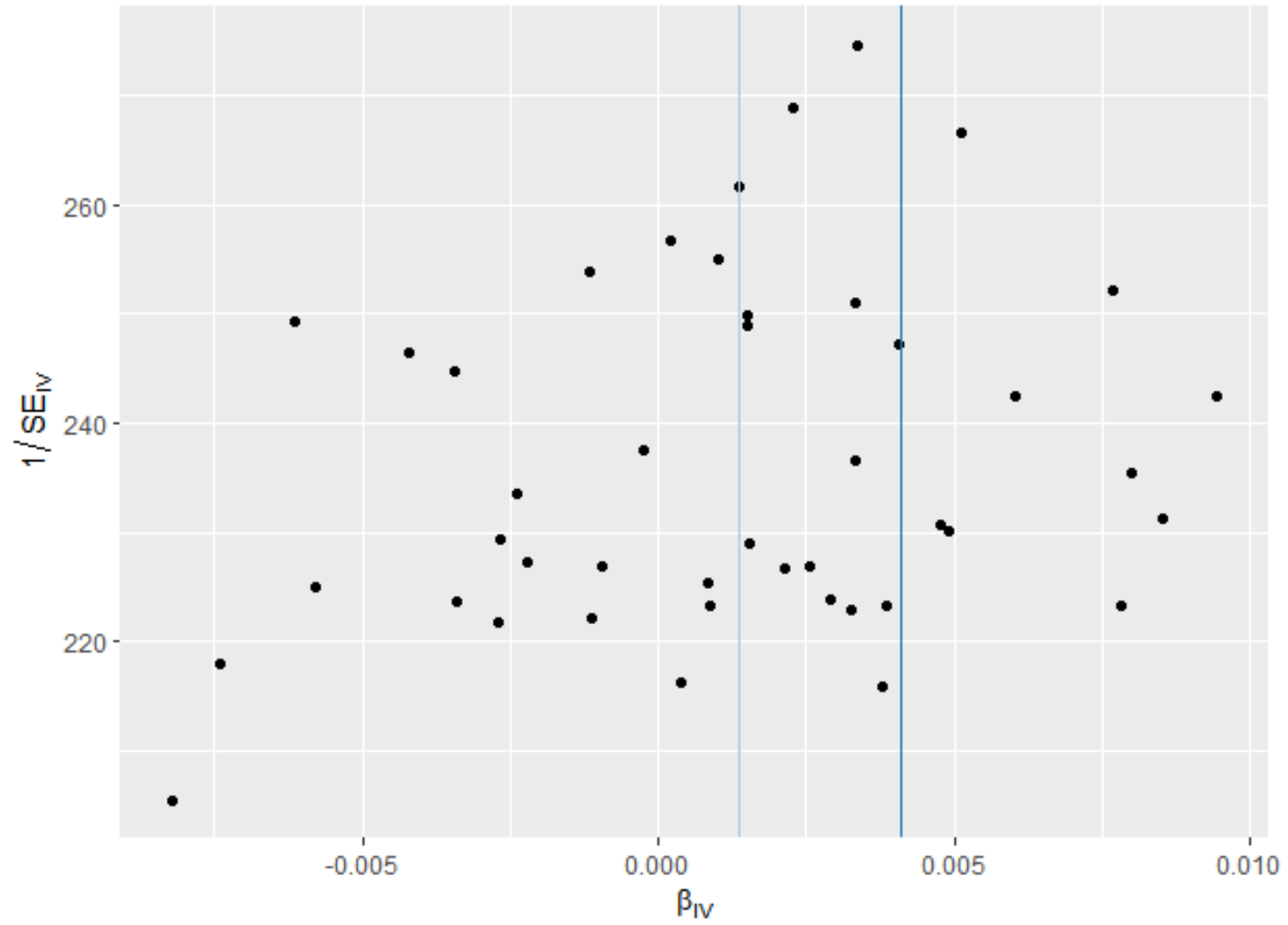


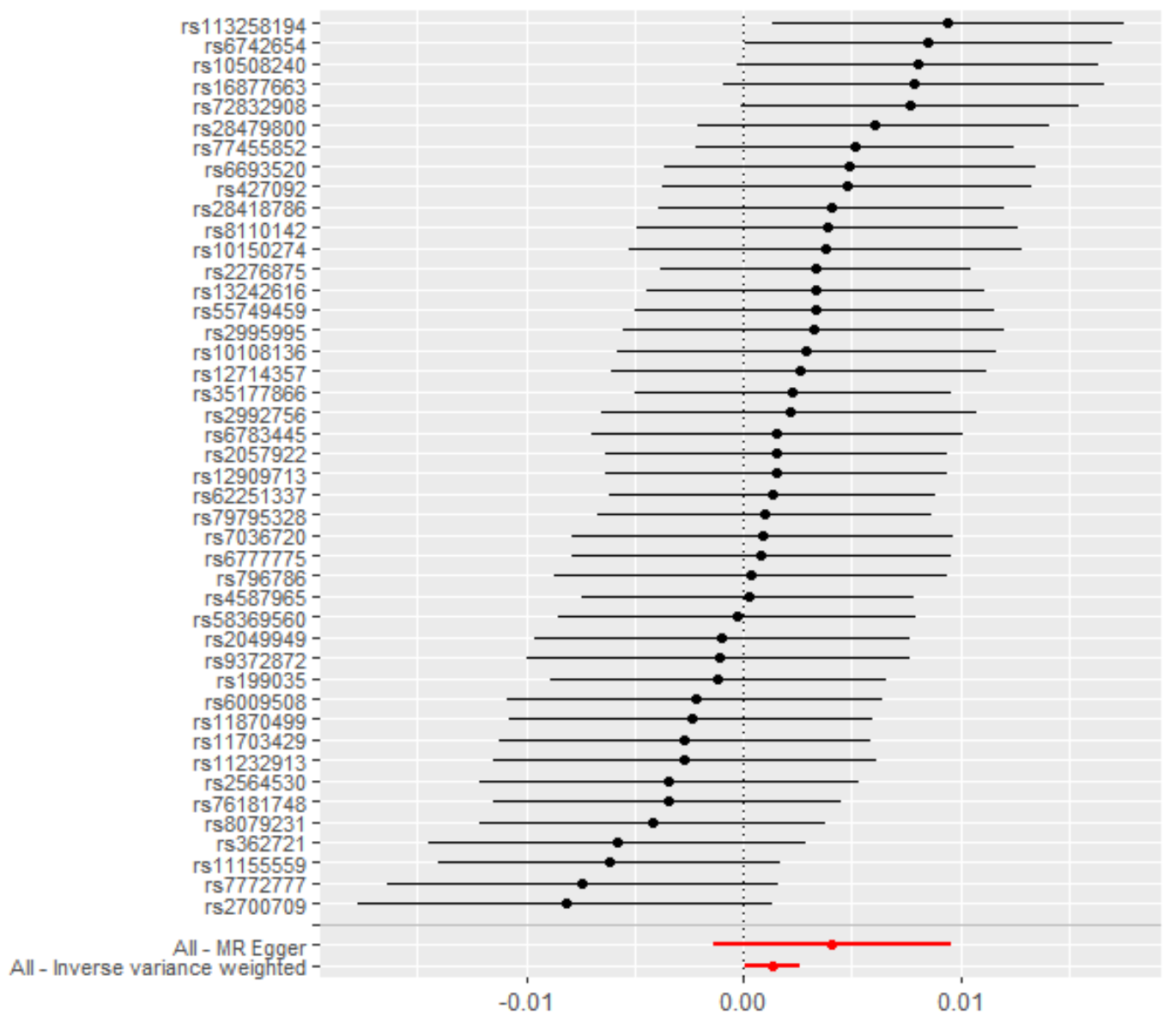
Figure 106 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Barnesiella* id.944) on diverticular disease



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016969' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id

non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

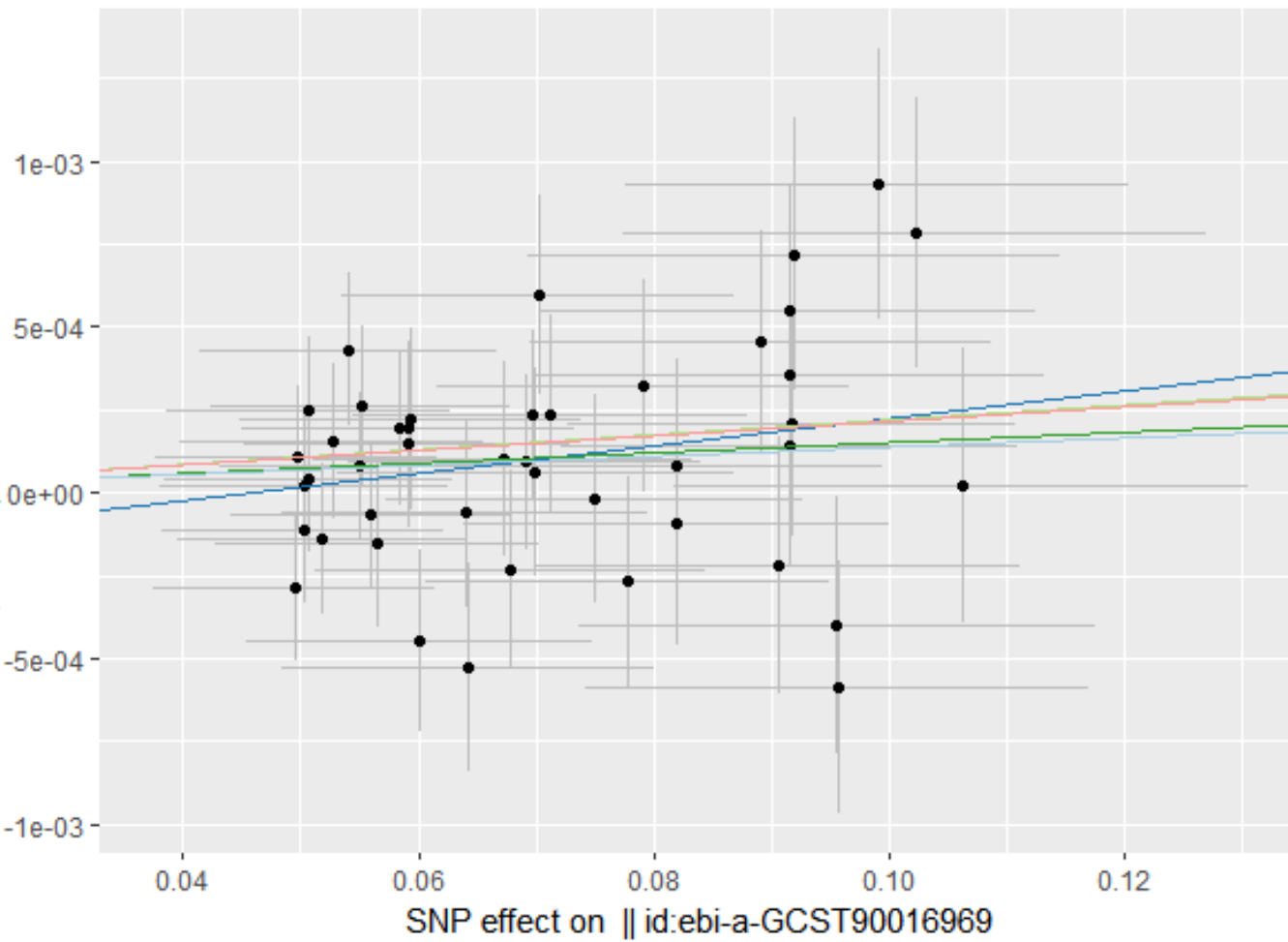
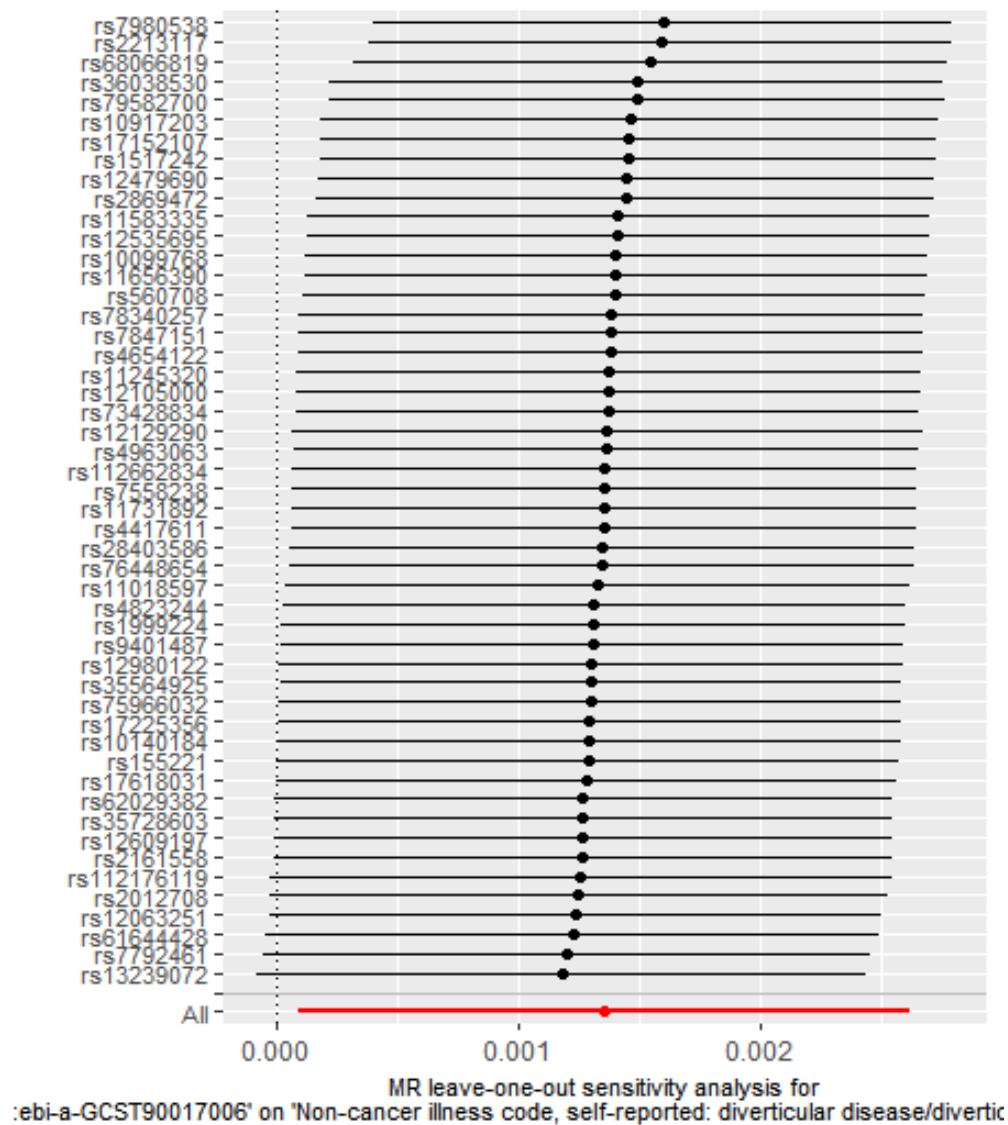
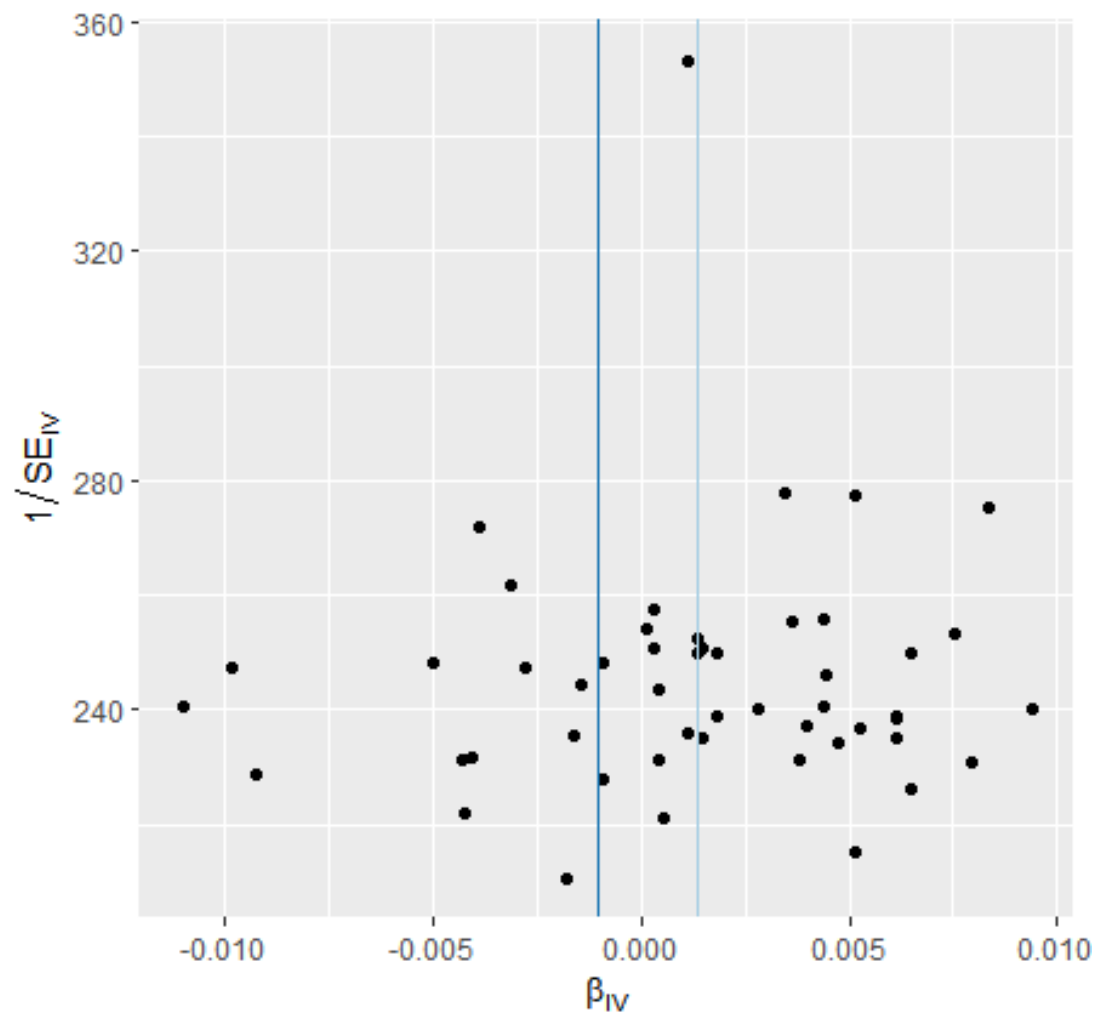


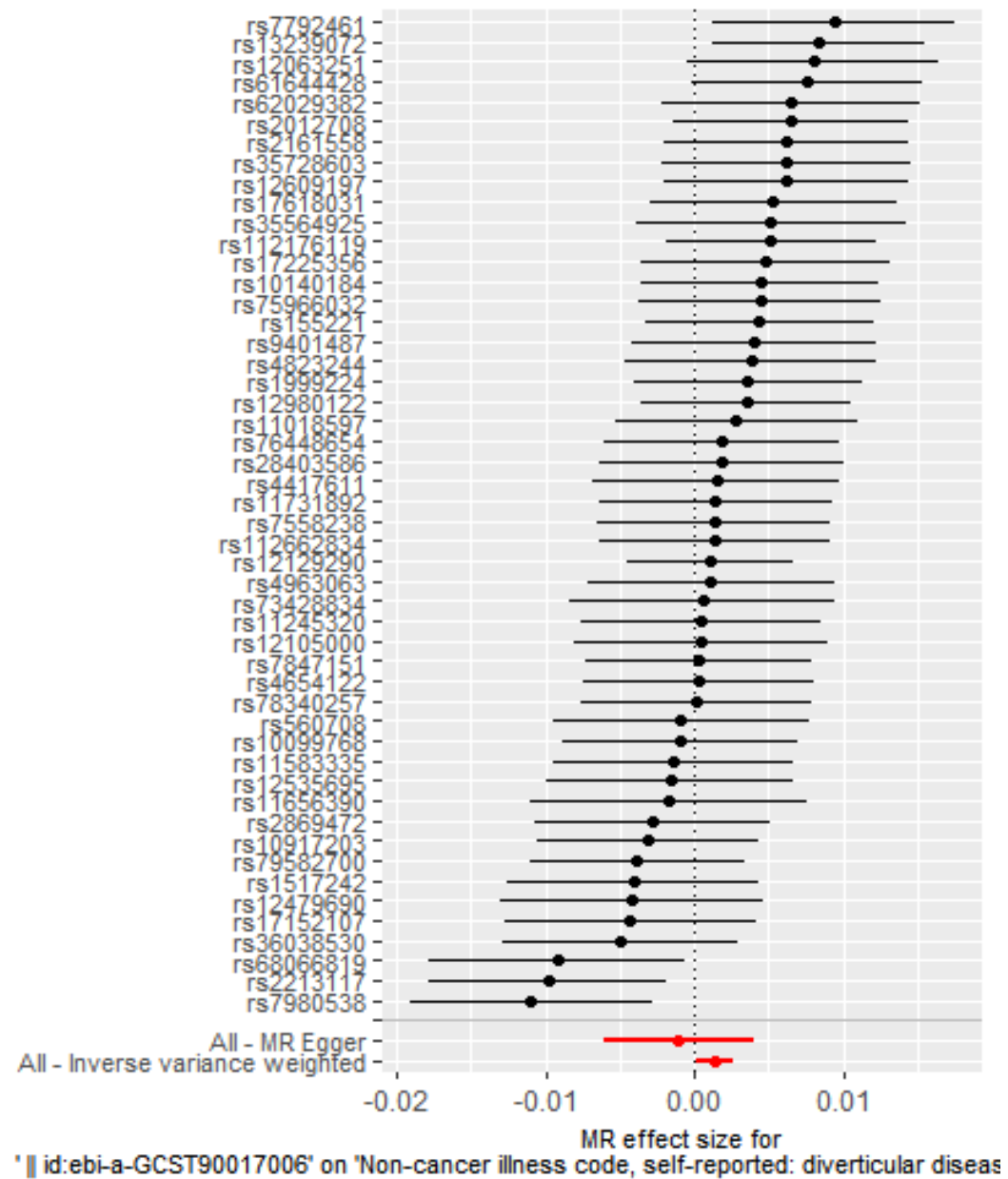
Figure 107 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium xylanophilum* group id.14375) on diverticular disease



MR Method

- Inverse variance weighted
- MR Egger





n-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-1

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

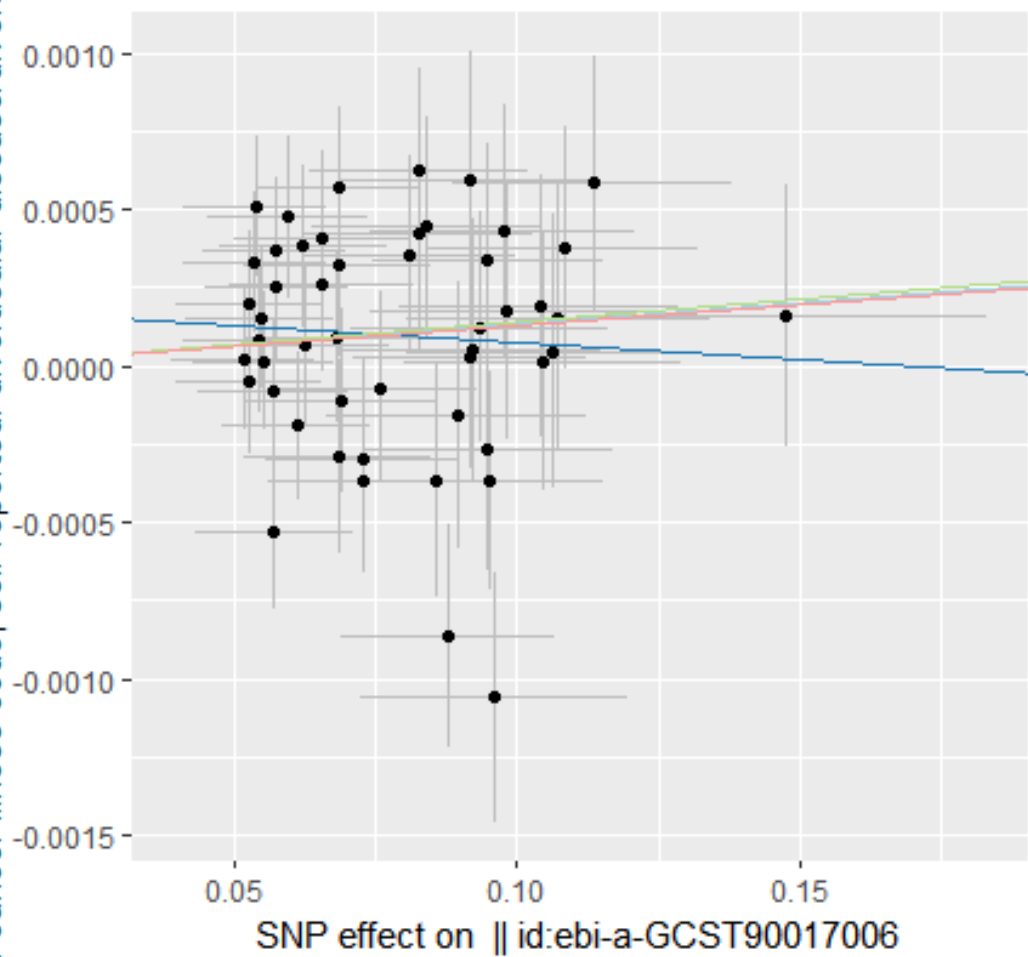
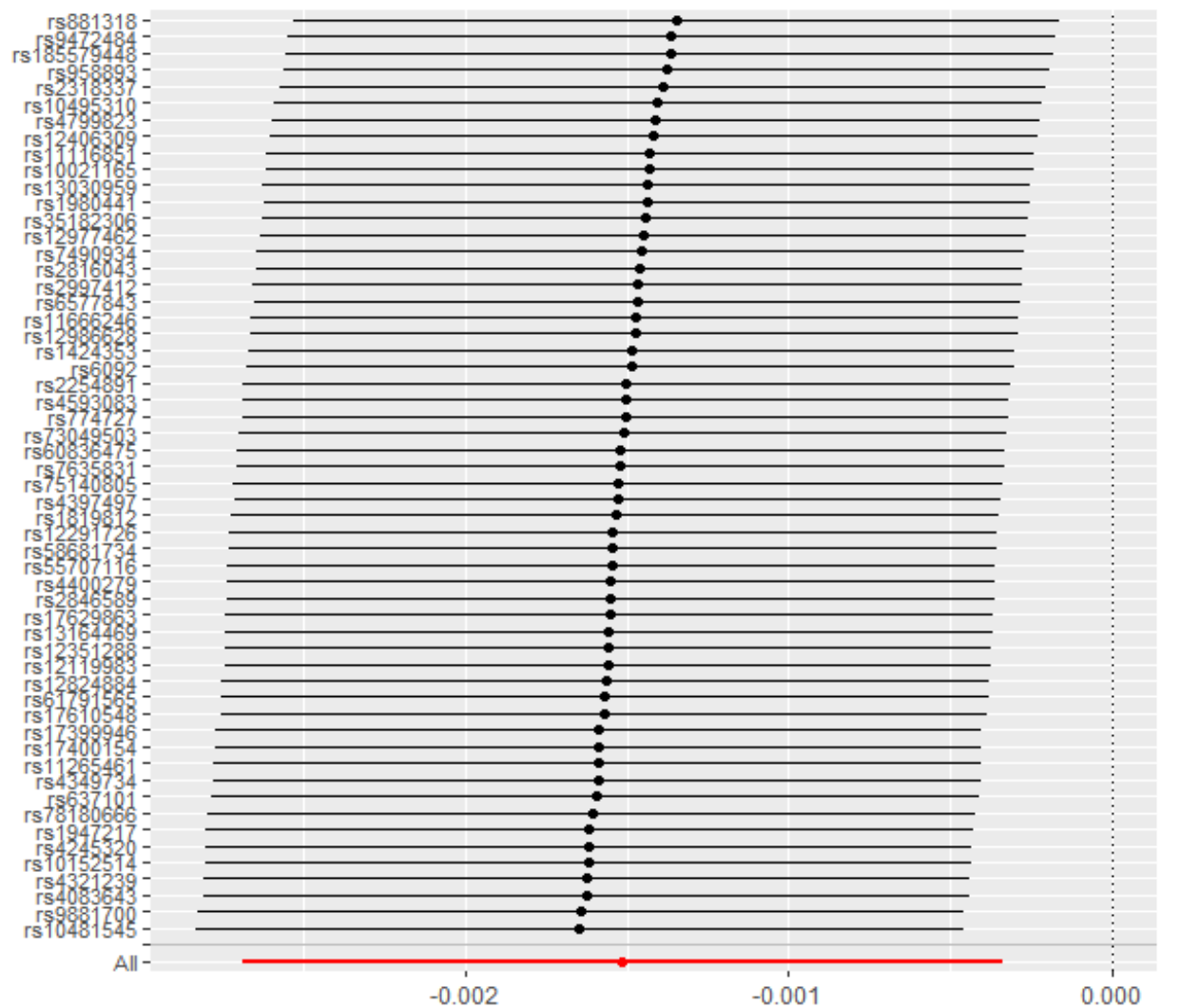


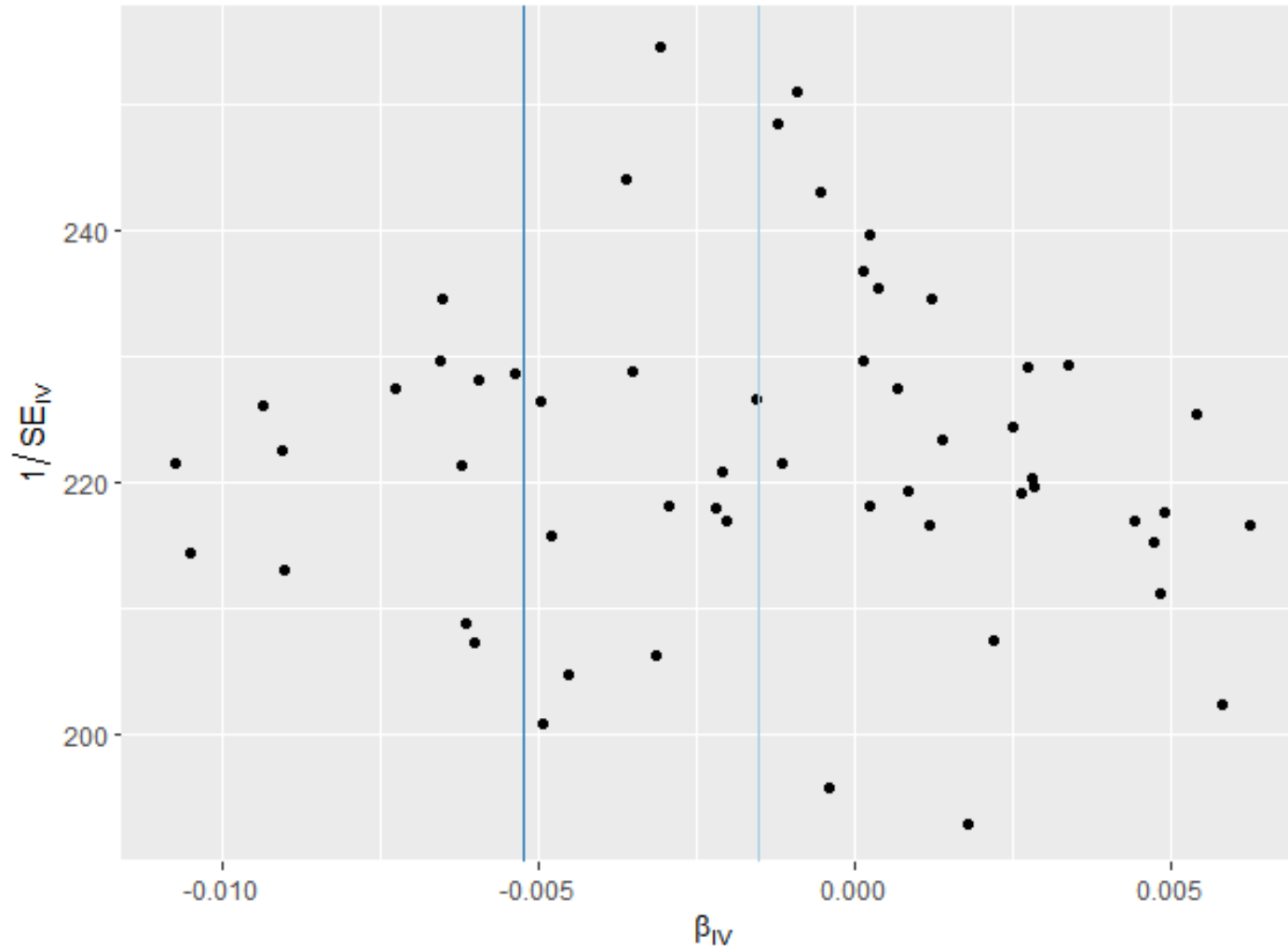
Figure 108 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcus2 id.11374) on diverticular disease

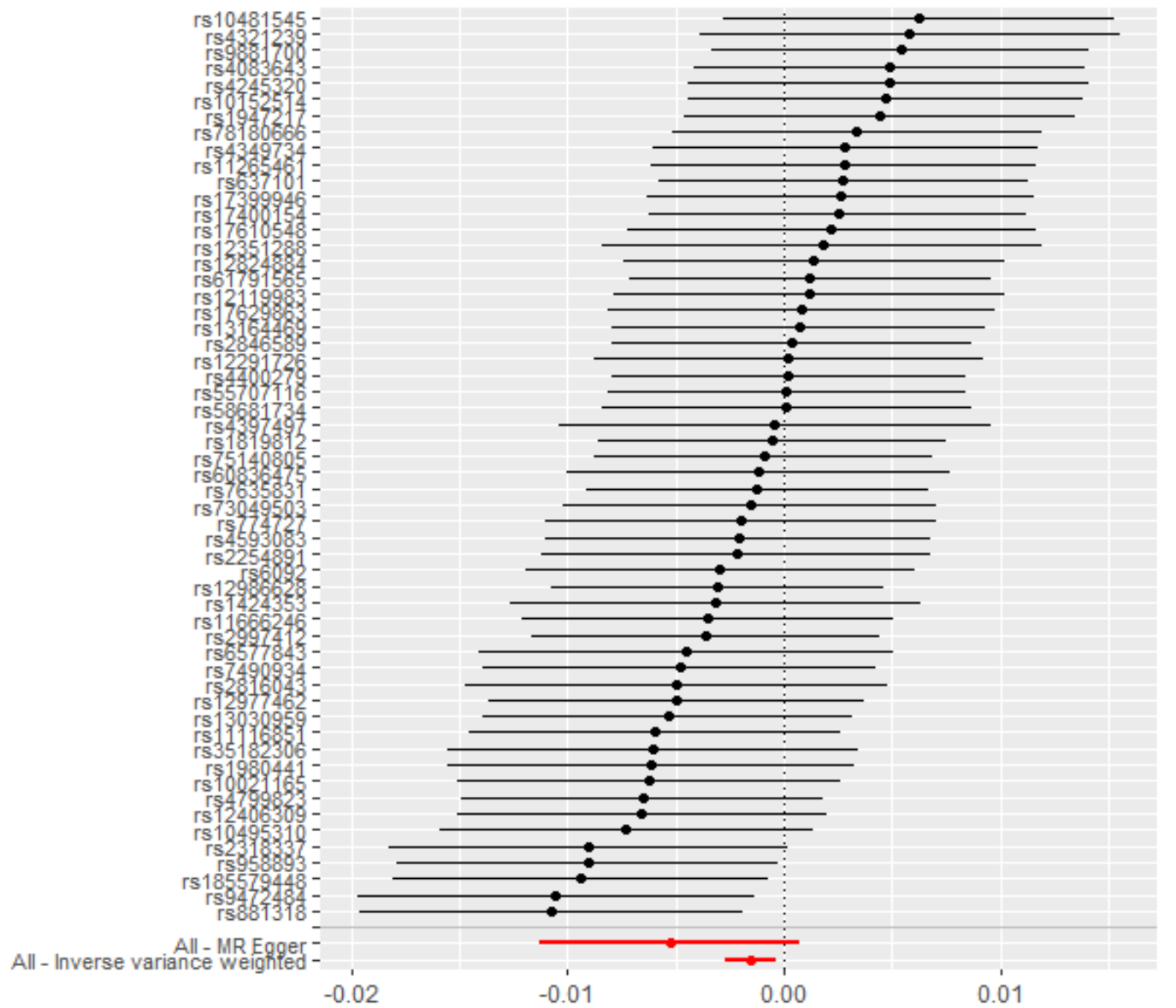


MR leave-one-out sensitivity analysis for
' || id:ebi-a-GCST90017063' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-14'

MR Method

- Inverse variance weighted
- MR Egger





MR effect size for ' || id:ebi-a-GCST90017063' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id

Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

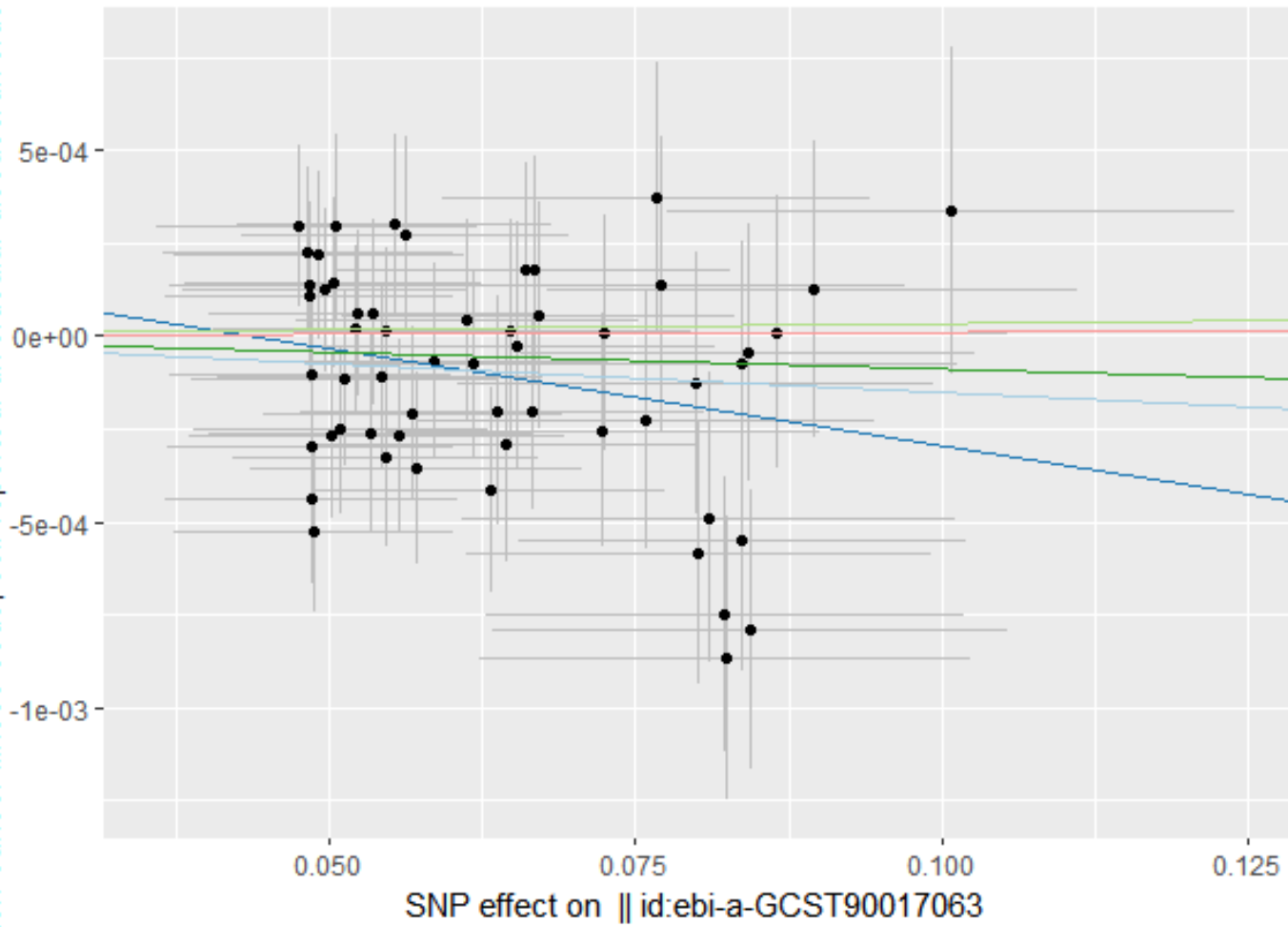
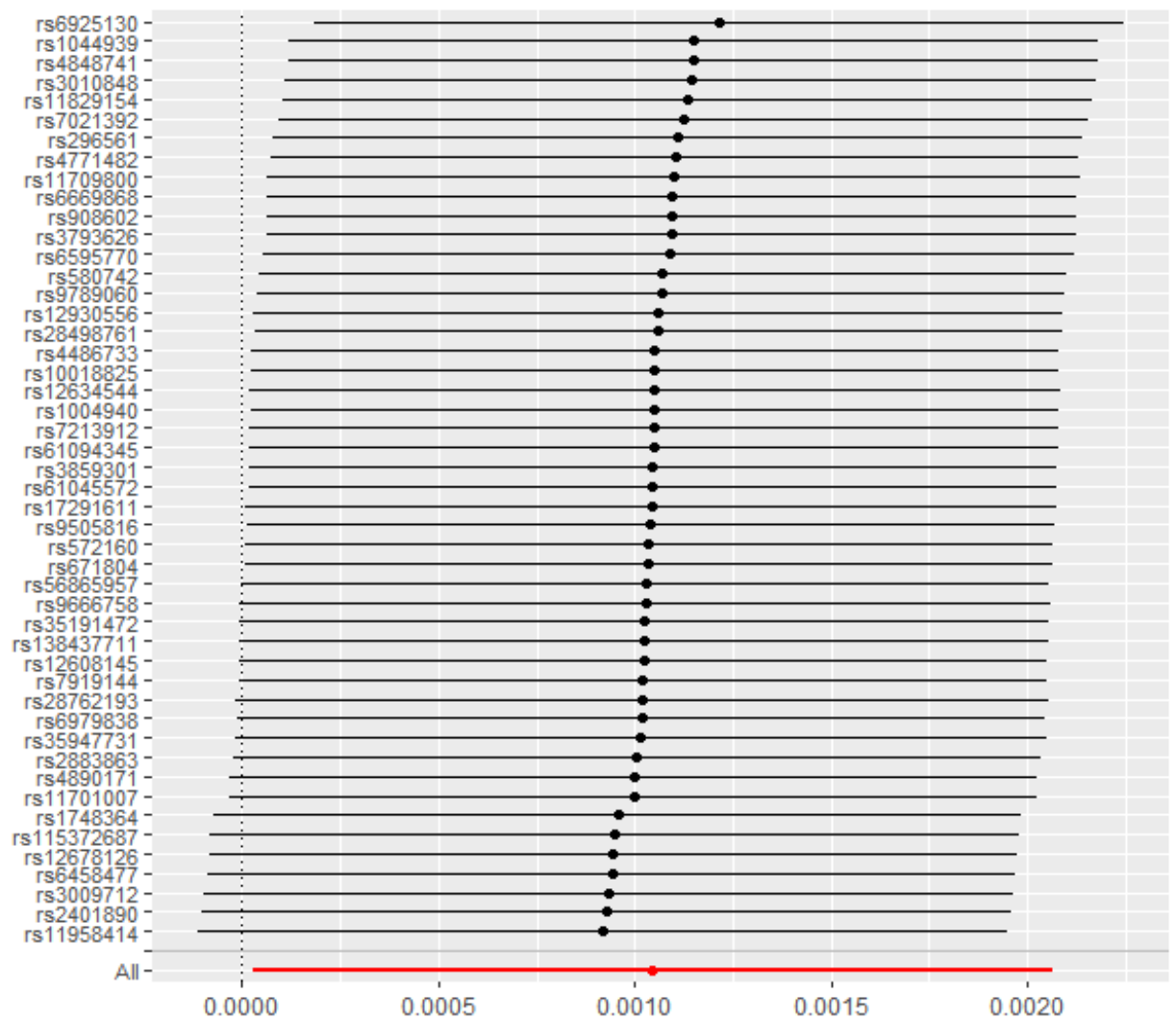


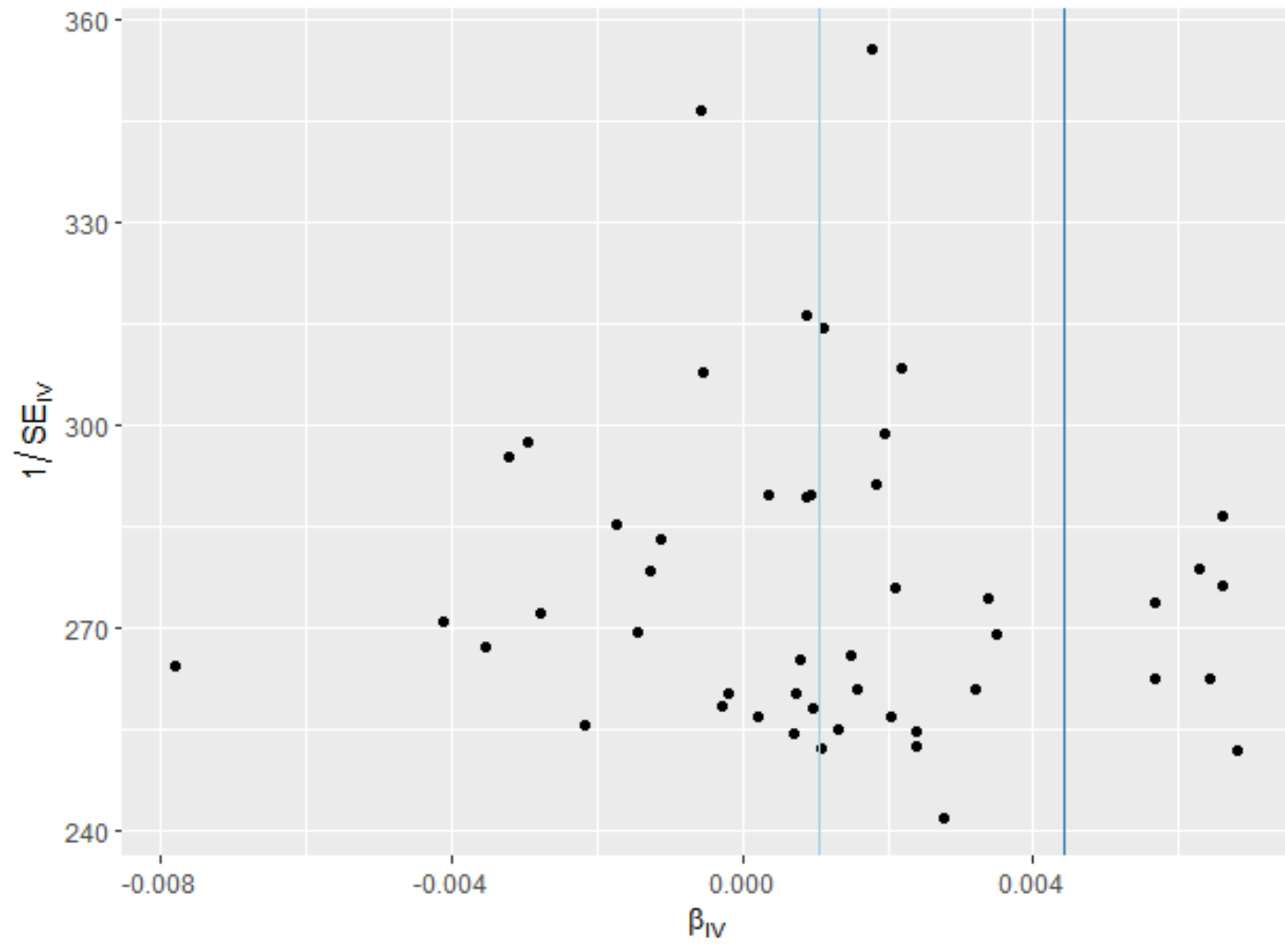
Figure 109 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.1868) on diverticular disease

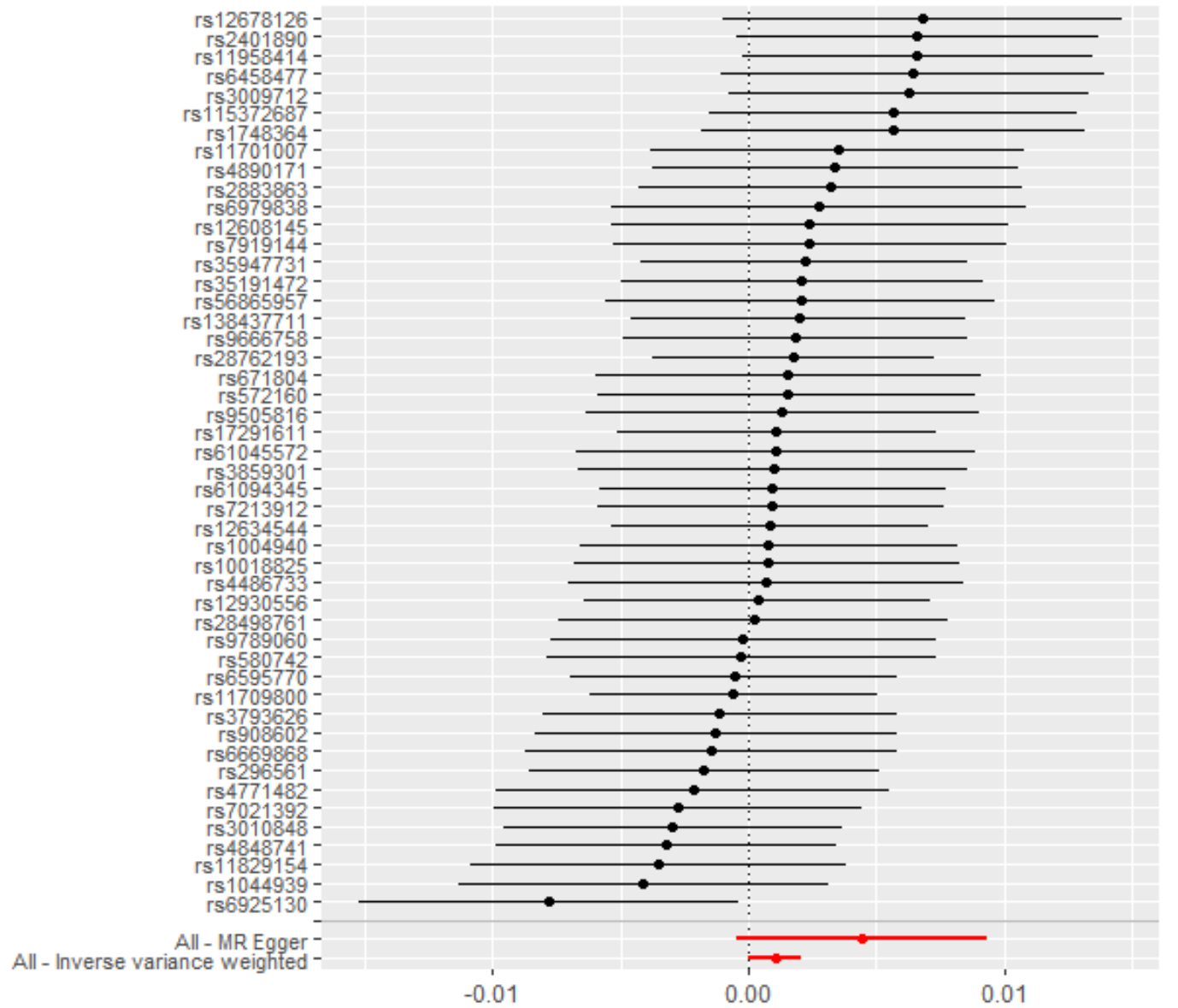


MR leave-one-out sensitivity analysis for ' || id:ebi-a-GCST90017081' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-14'

MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90017081' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id

non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

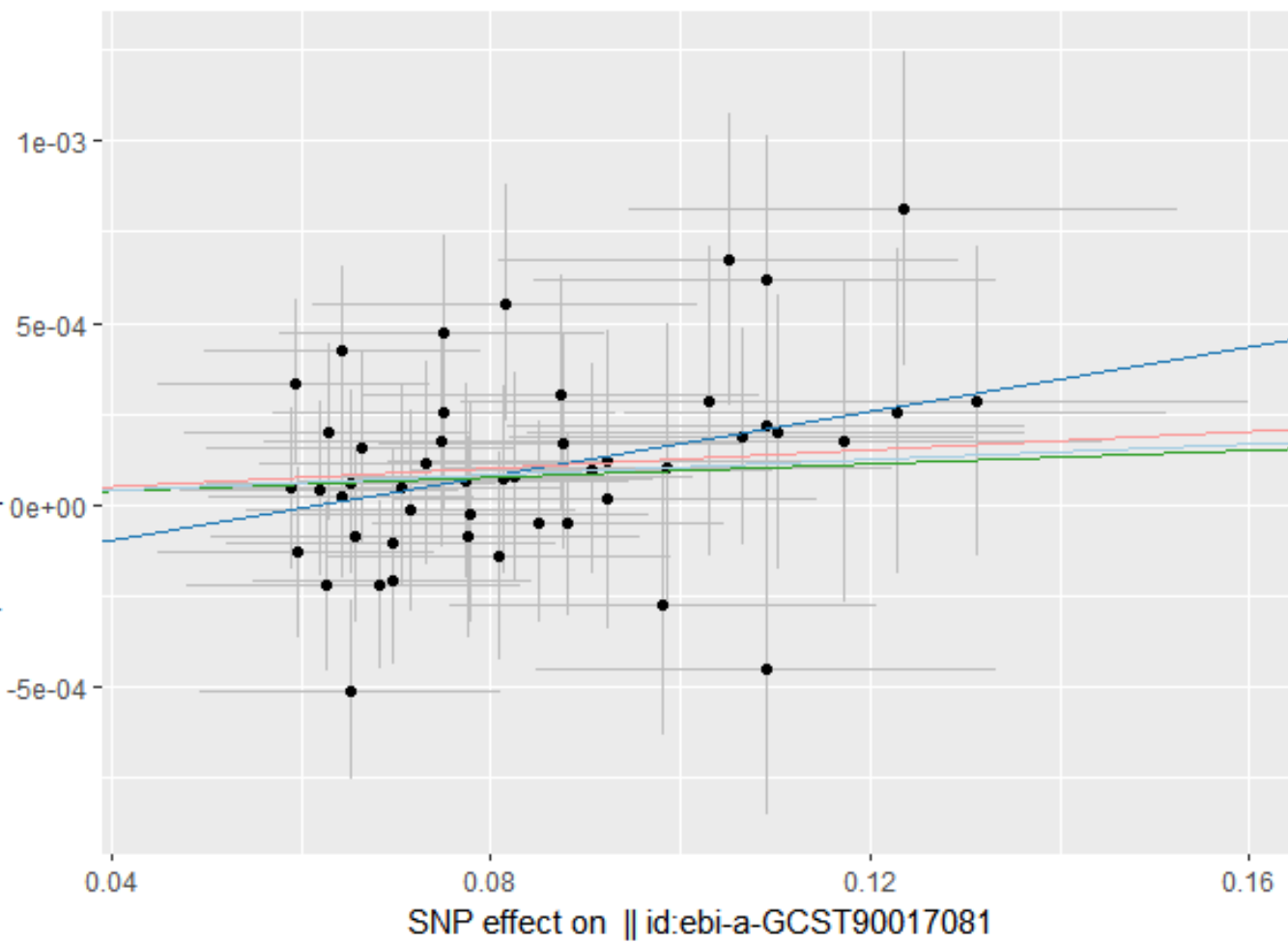
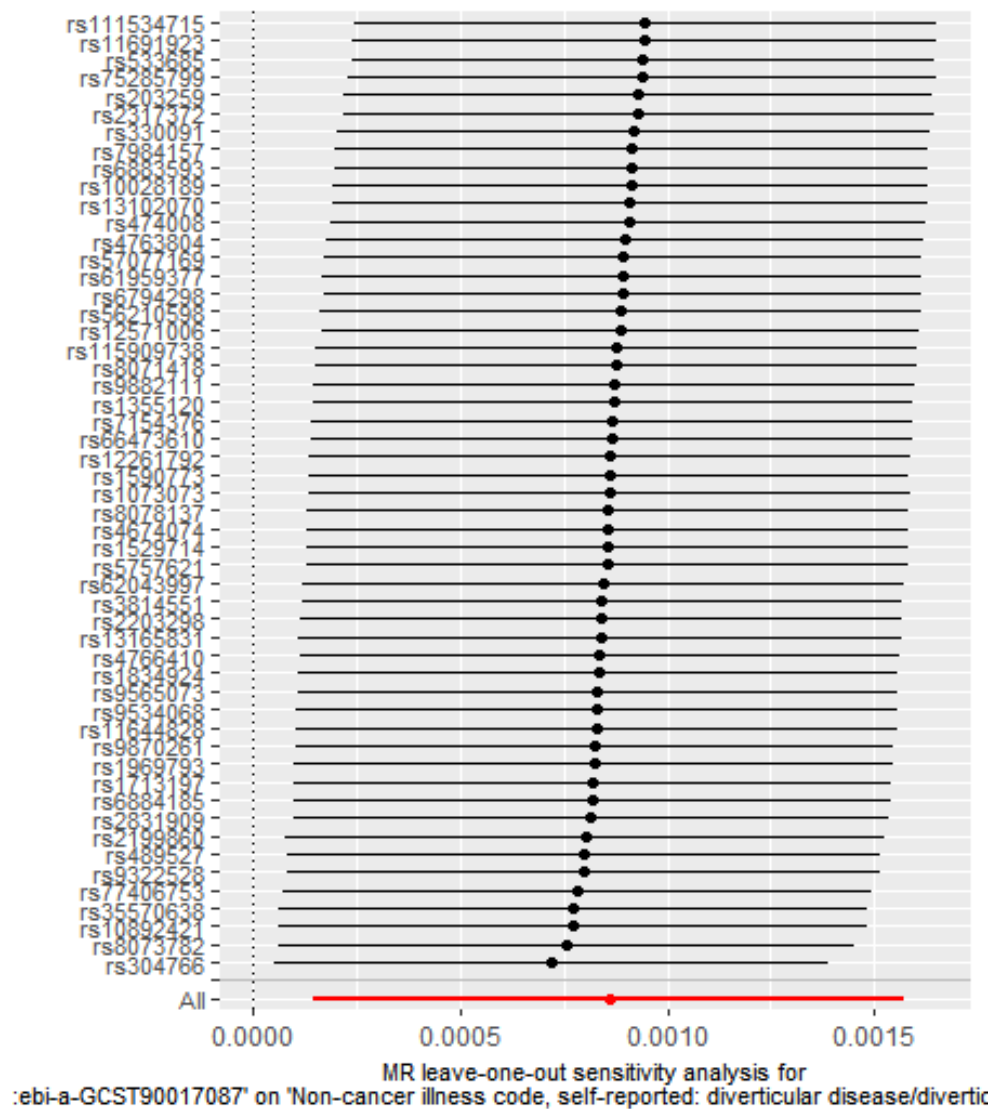
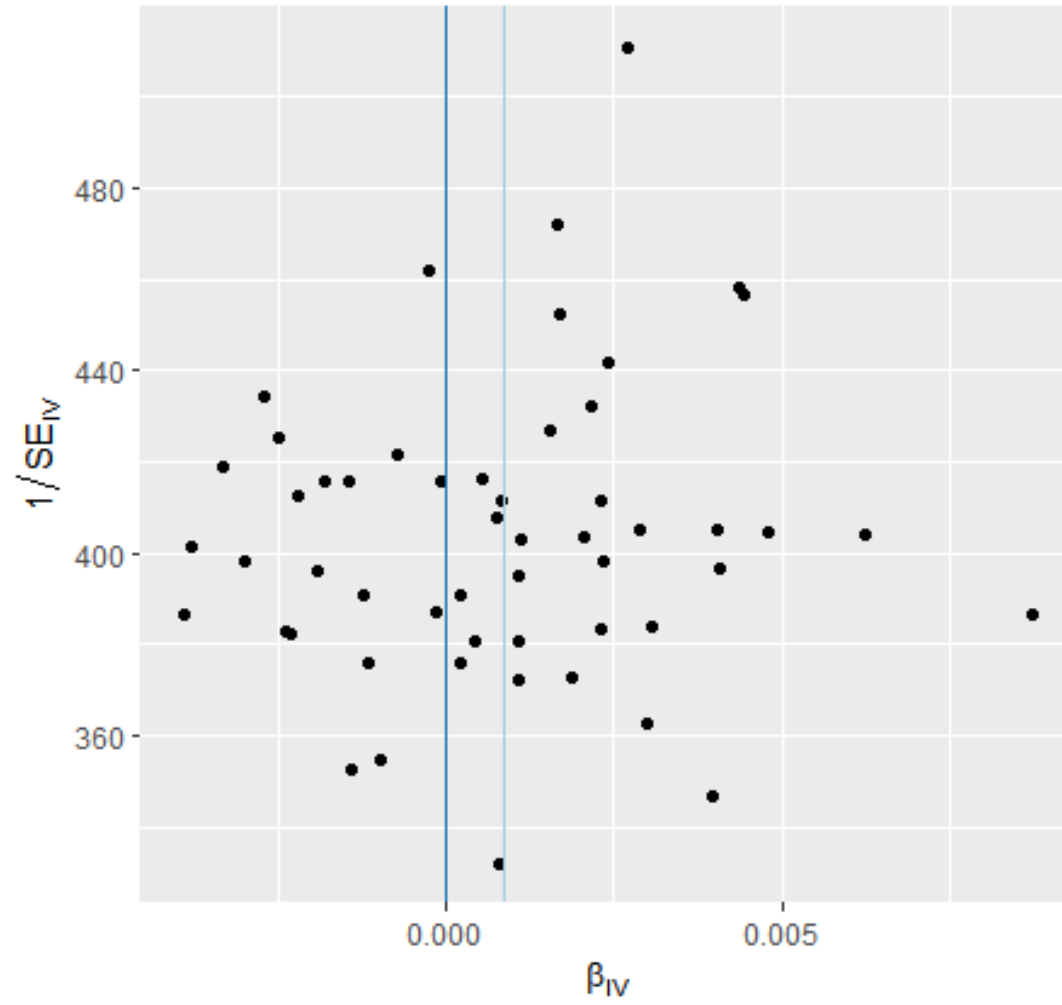


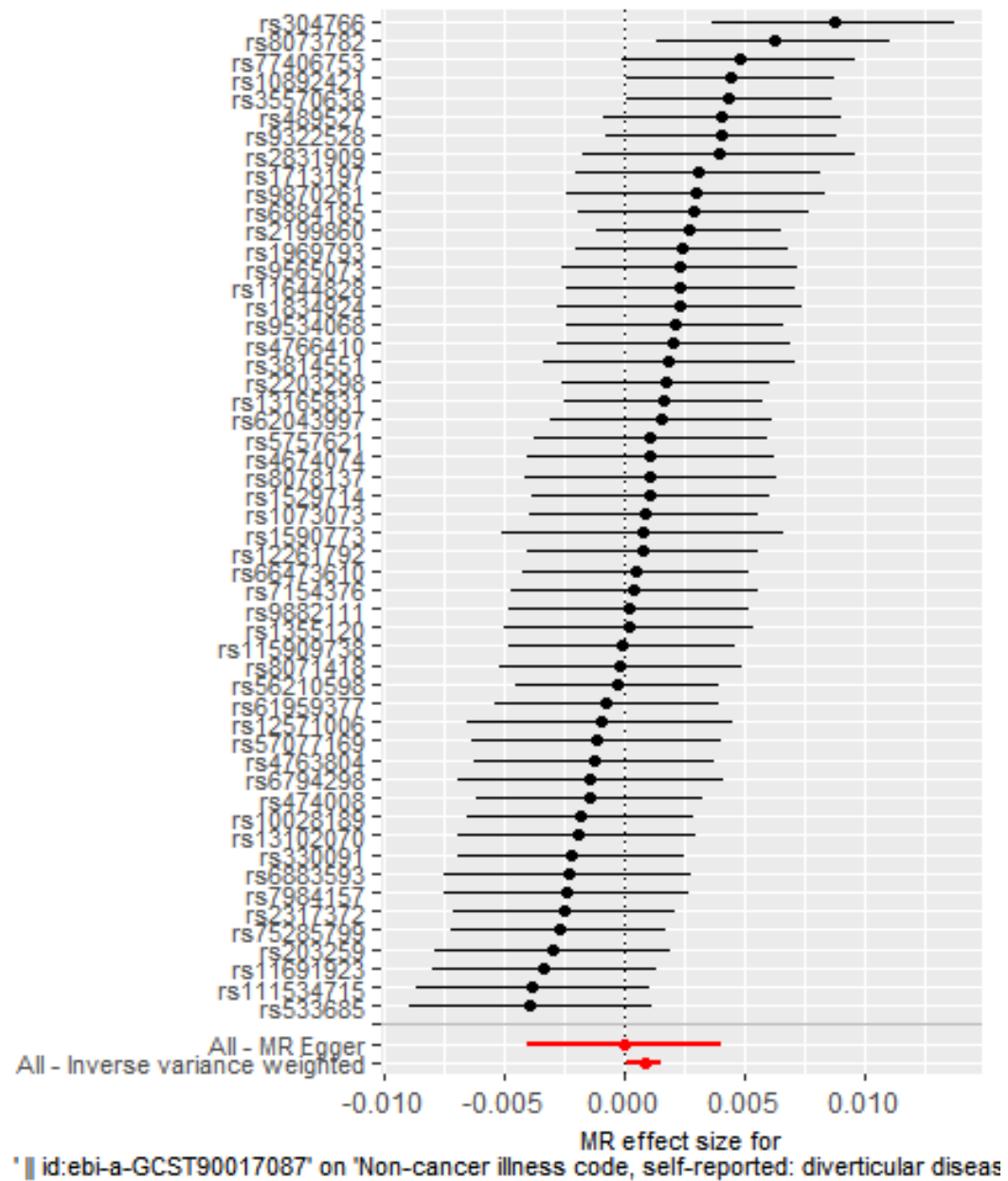
Figure 110 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.959) on diverticular disease



MR Method

- Inverse variance weighted
- MR Egger





n-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-1

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

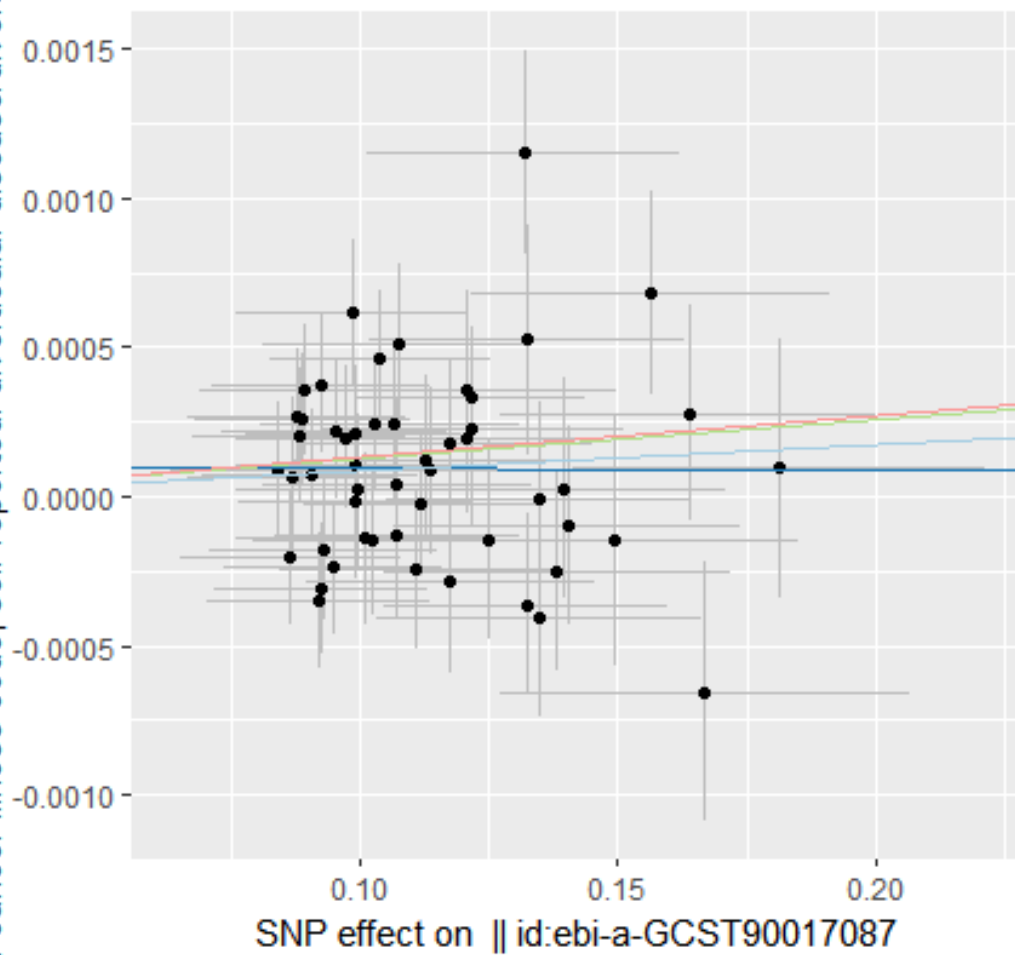
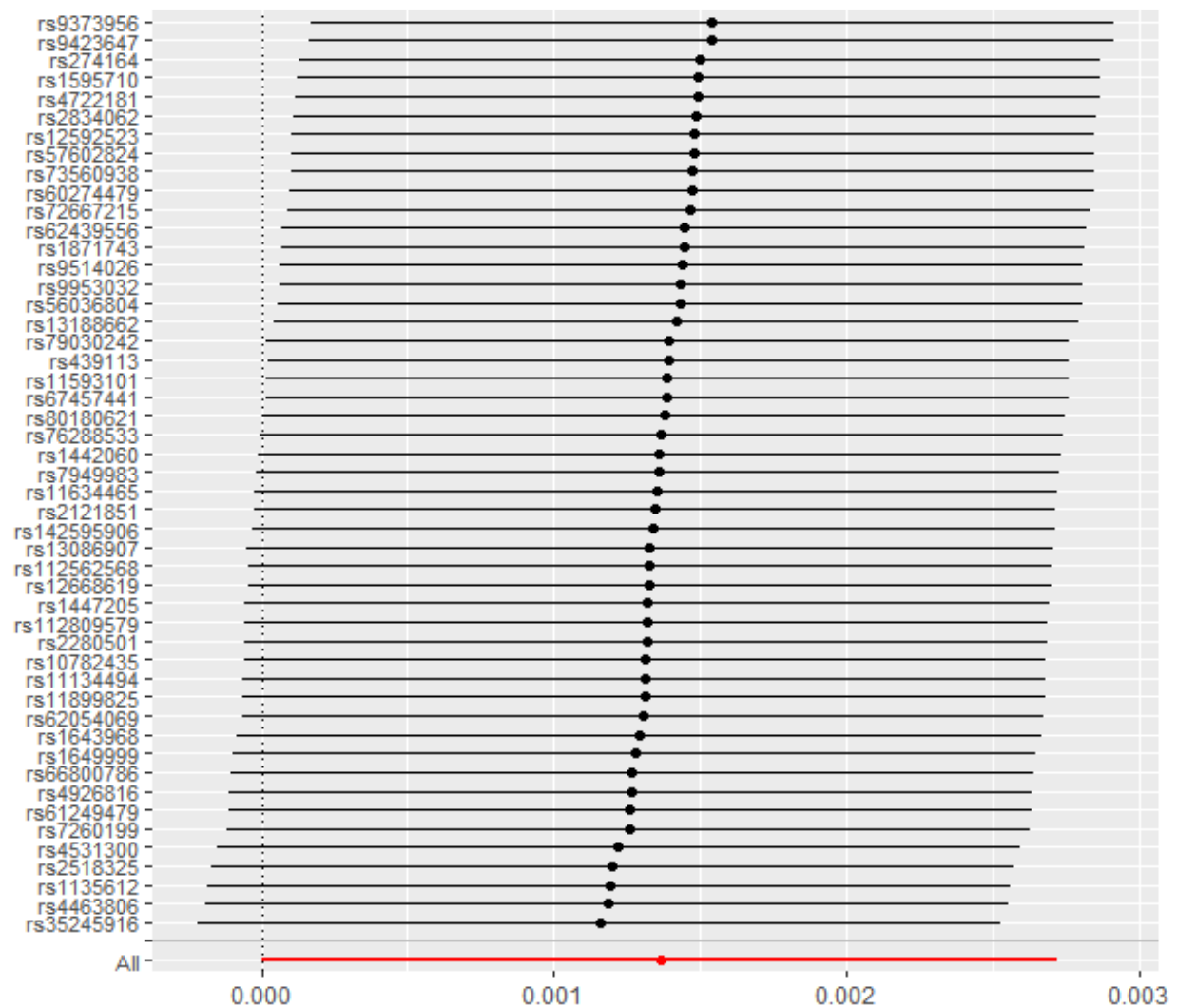


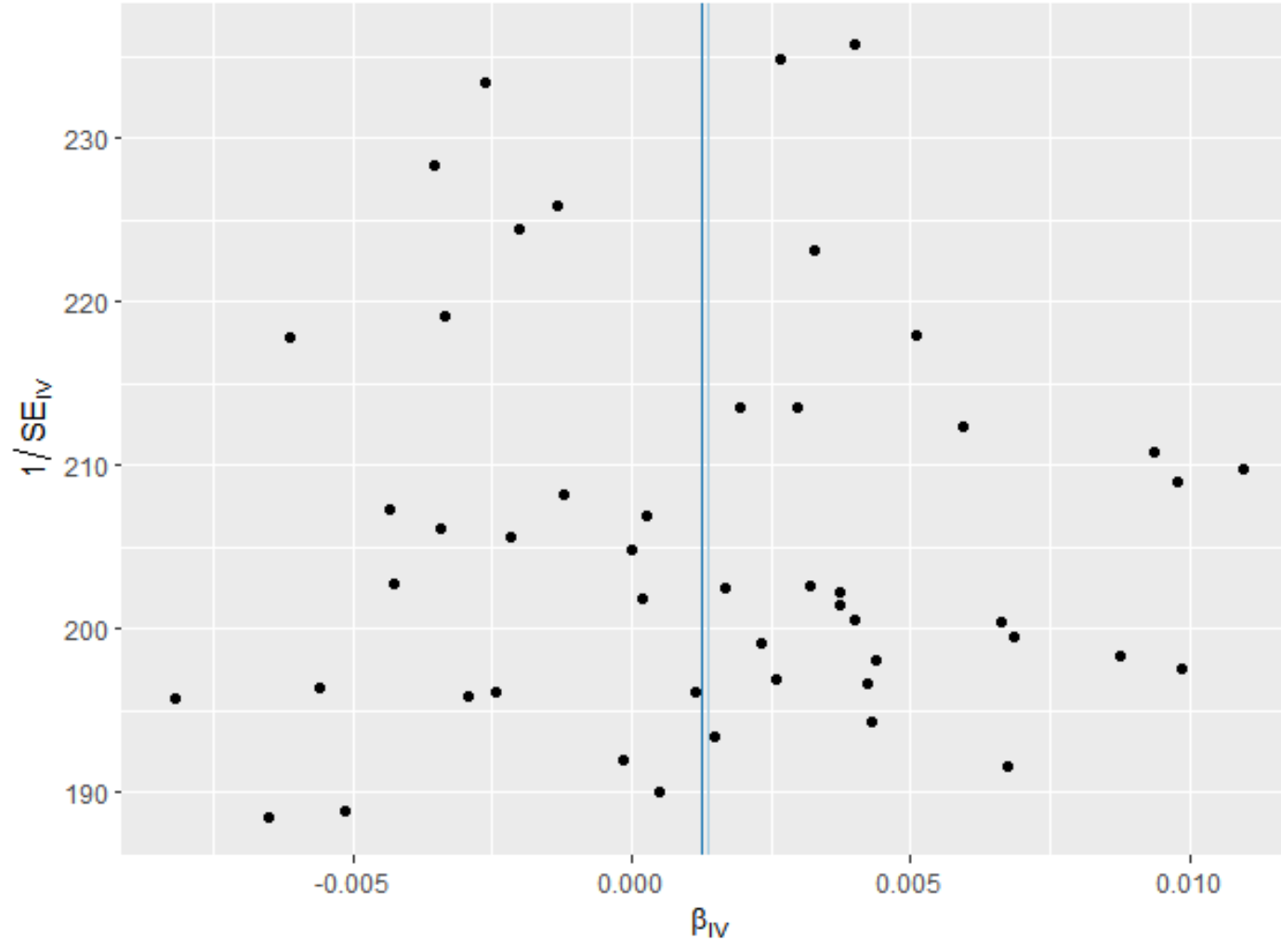
Figure 111 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Selenomonadales id.2165) on diverticular disease

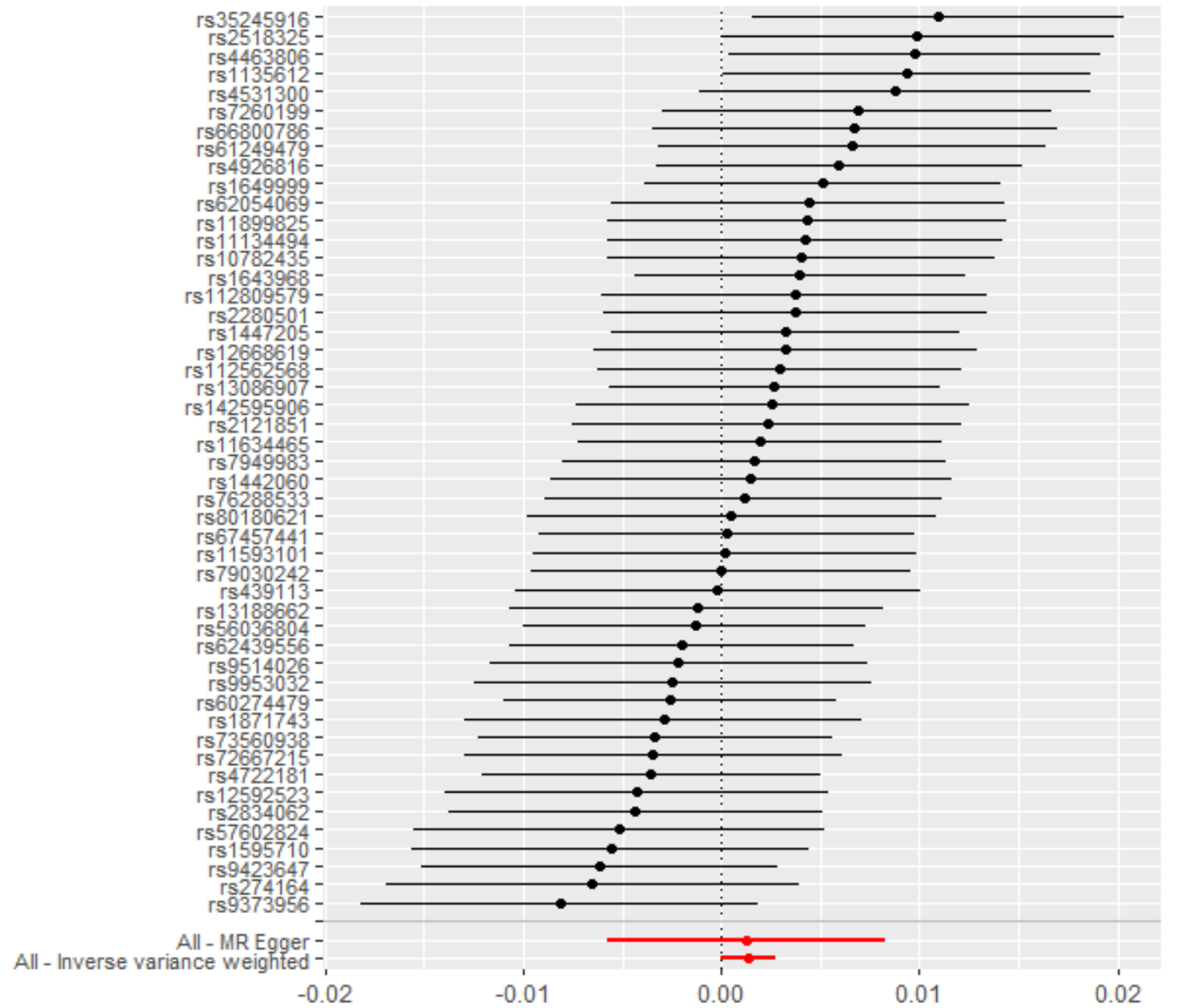


MR leave-one-out sensitivity analysis for
' || id:ebi-a-GCST90017107' on 'Non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-14'

MR Method

- Inverse variance weighted
- MR Egger





non-cancer illness code, self-reported: diverticular disease/diverticulitis || id:ukb-b-147

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

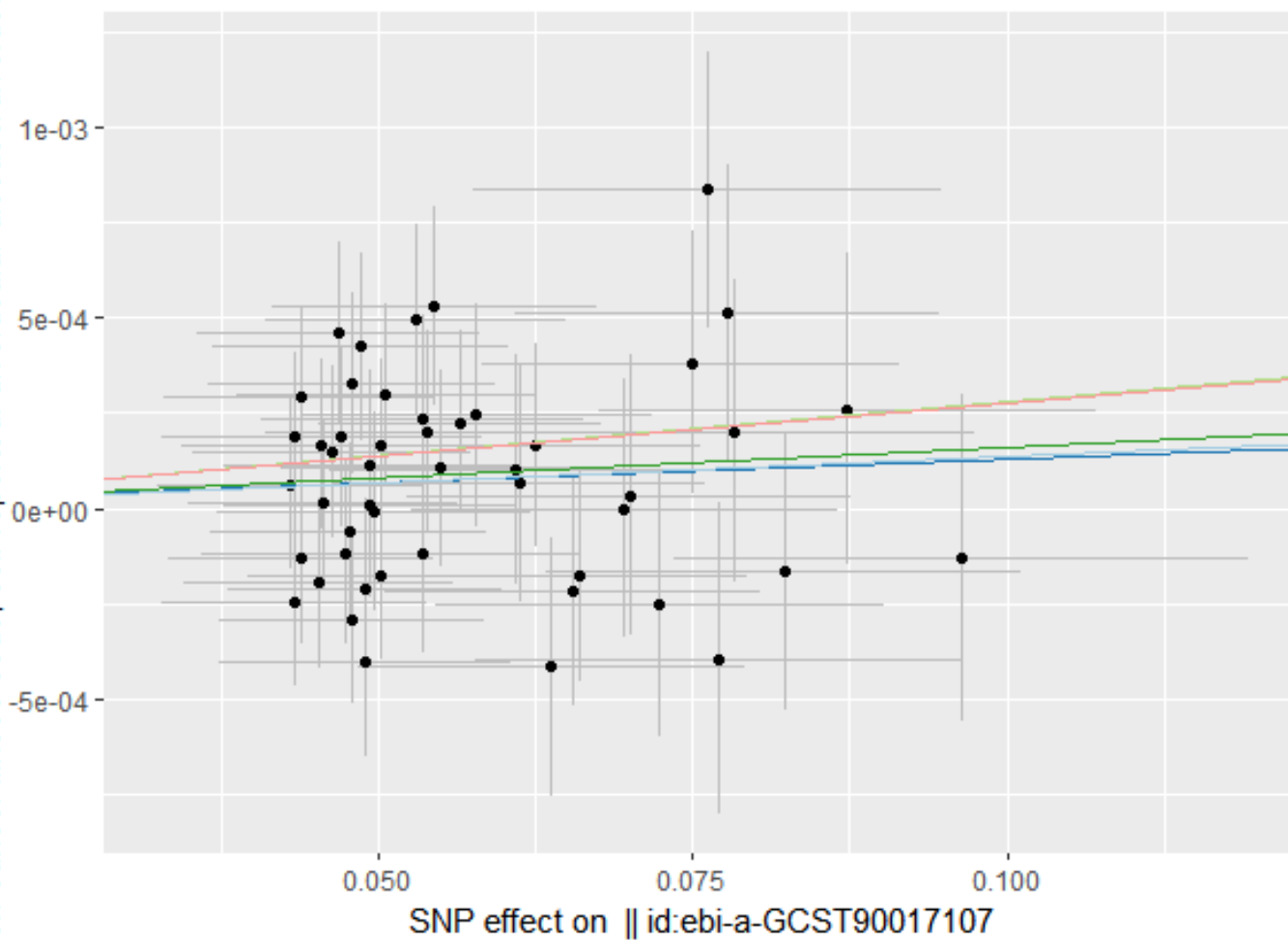
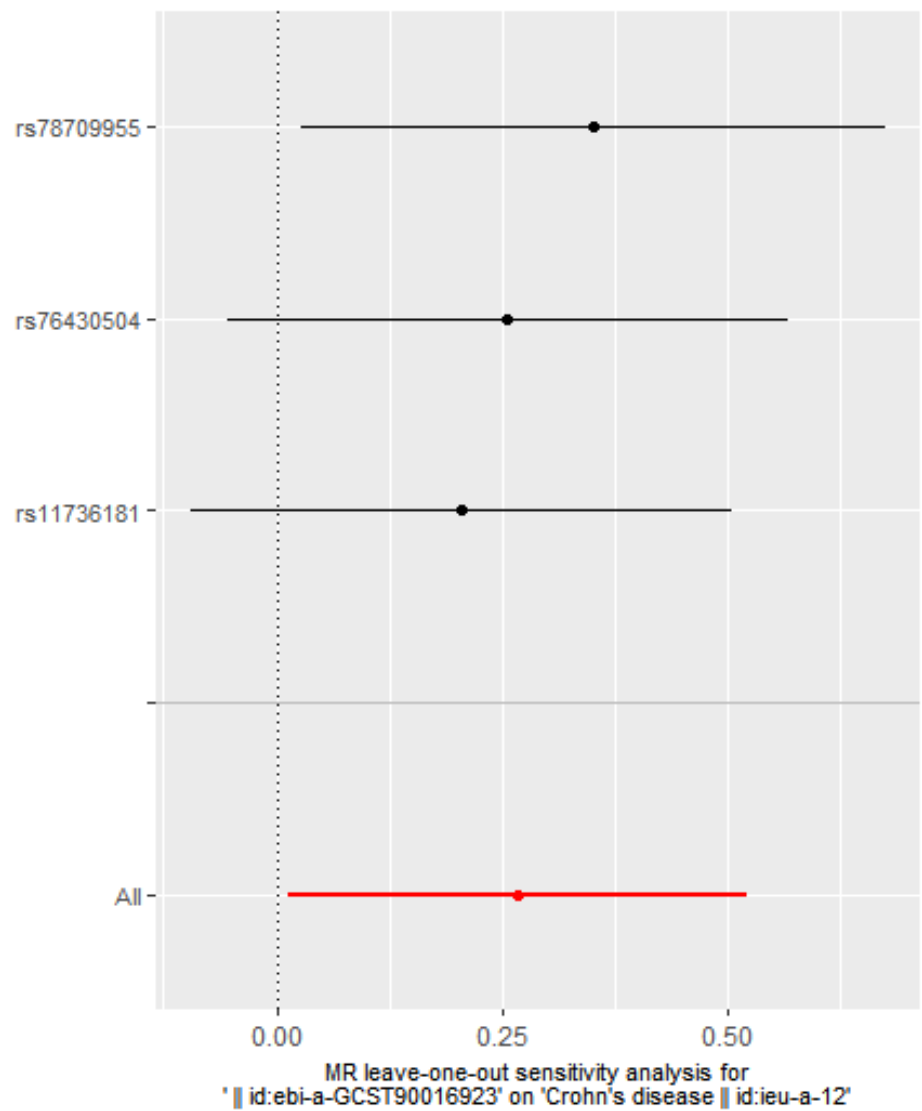
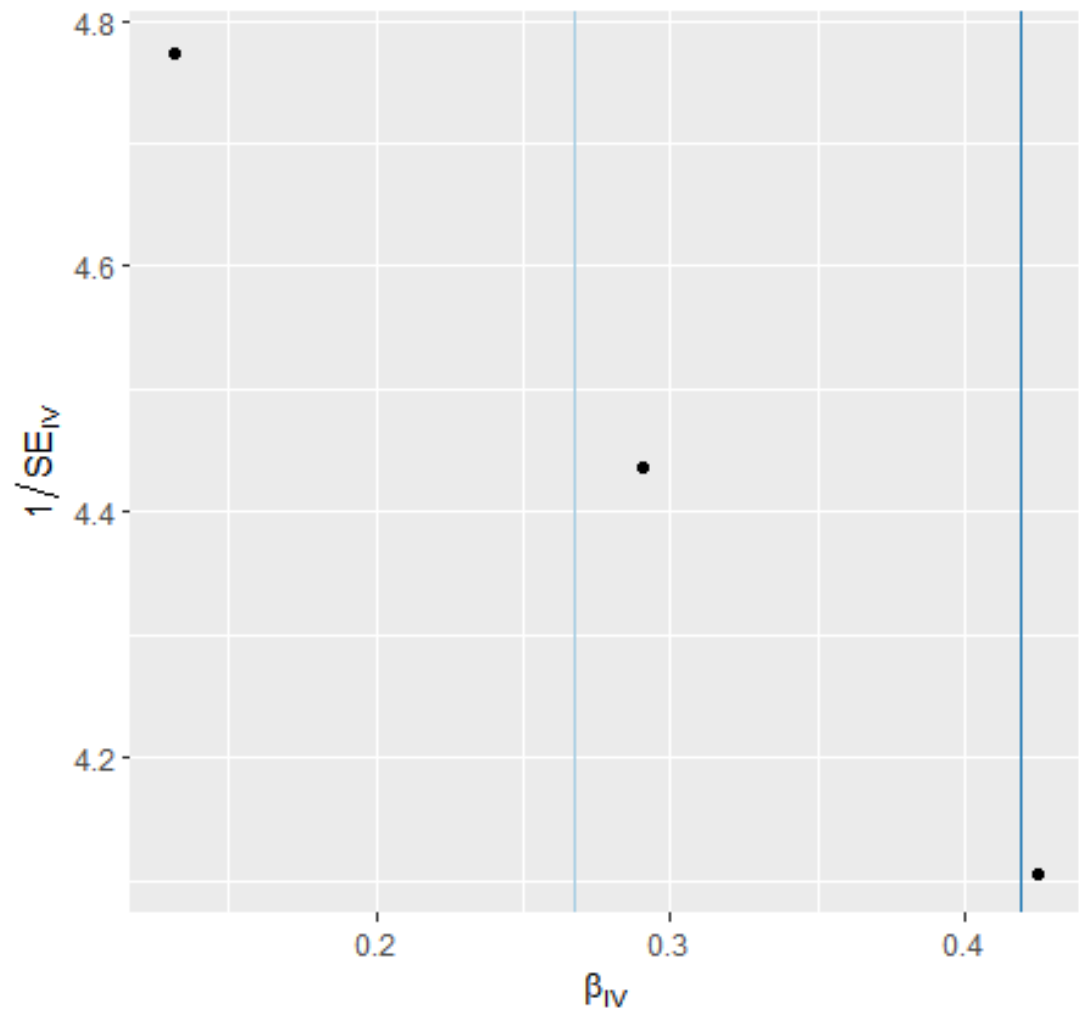


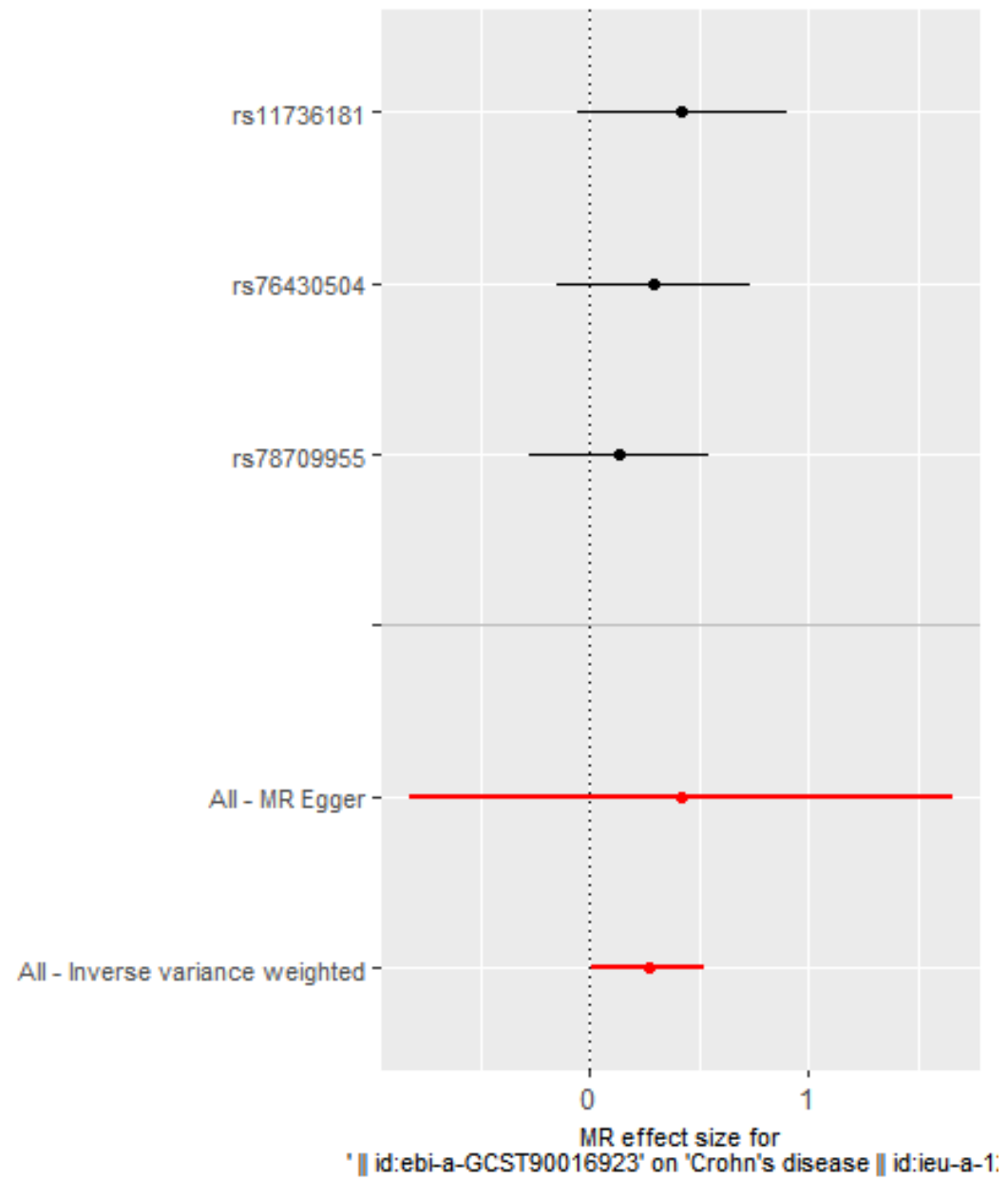
Figure 112 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Verrucomicrobiae id.4029) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

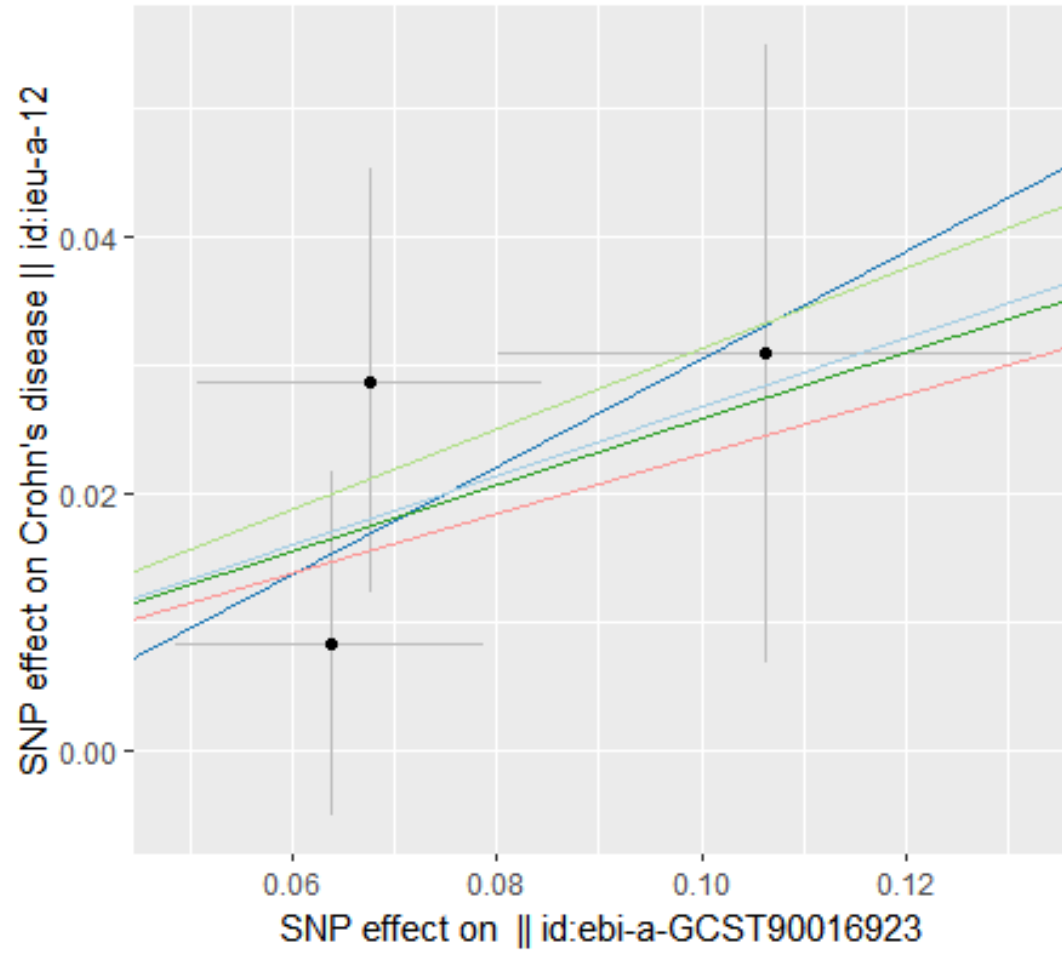
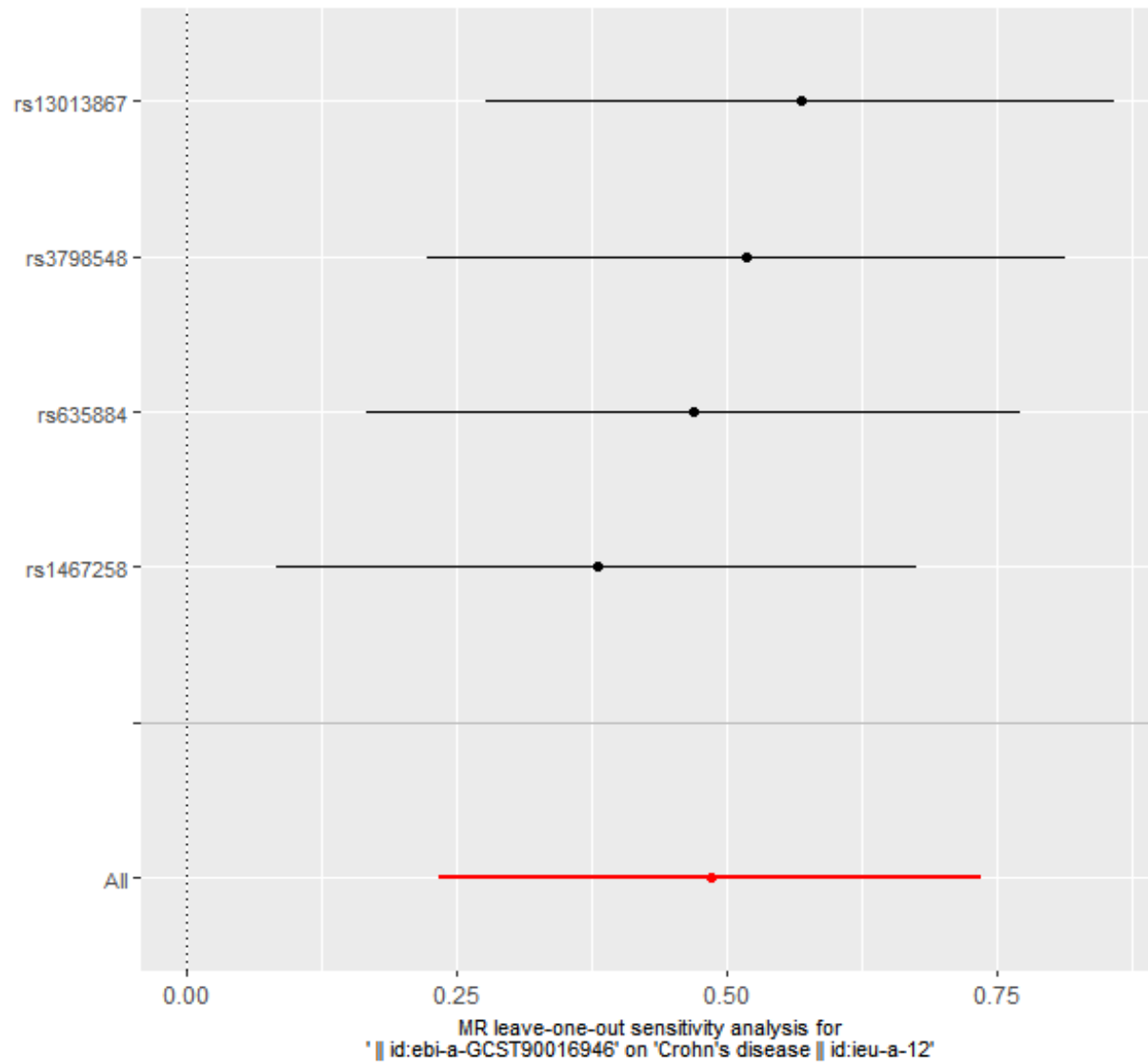
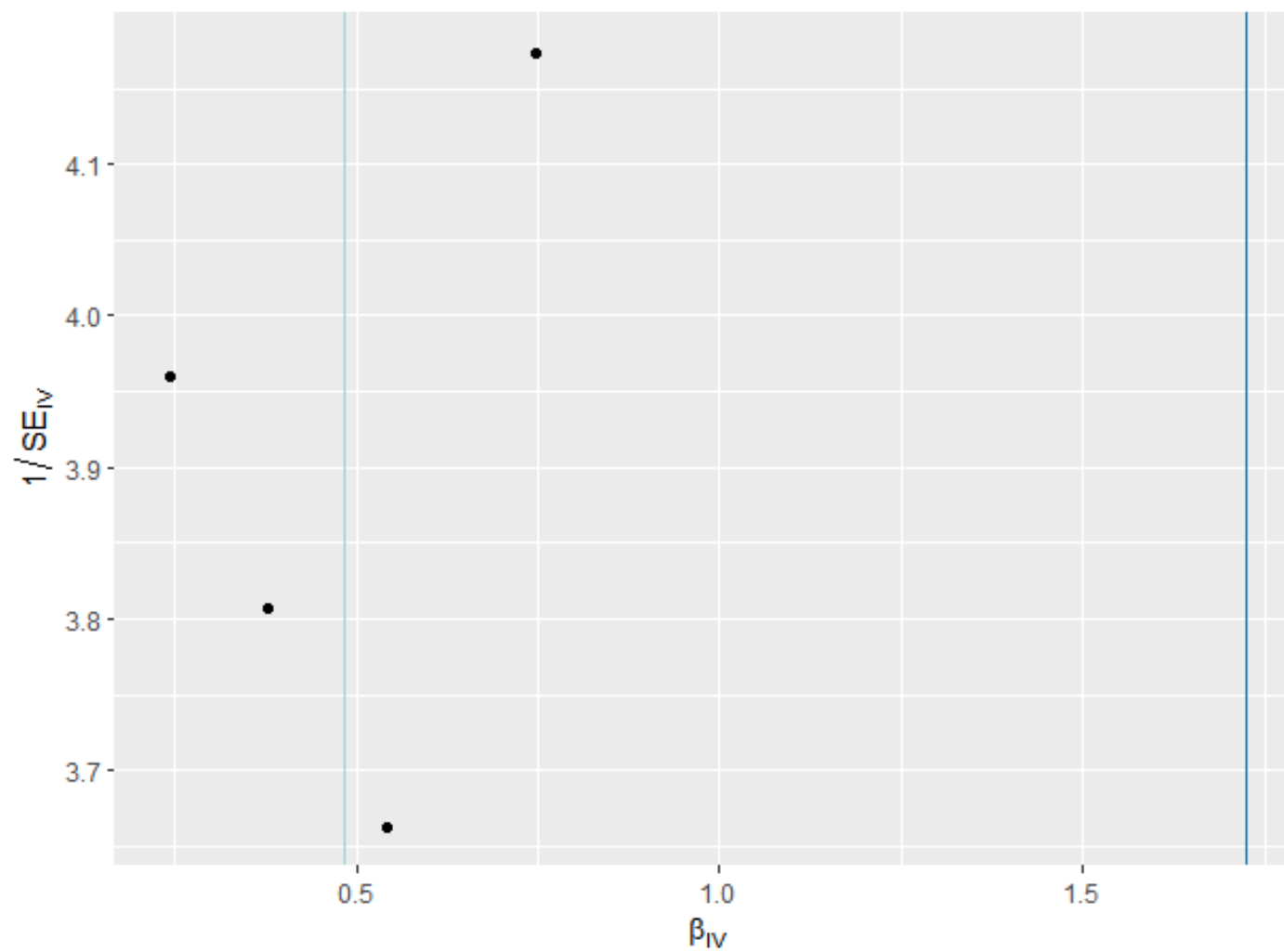


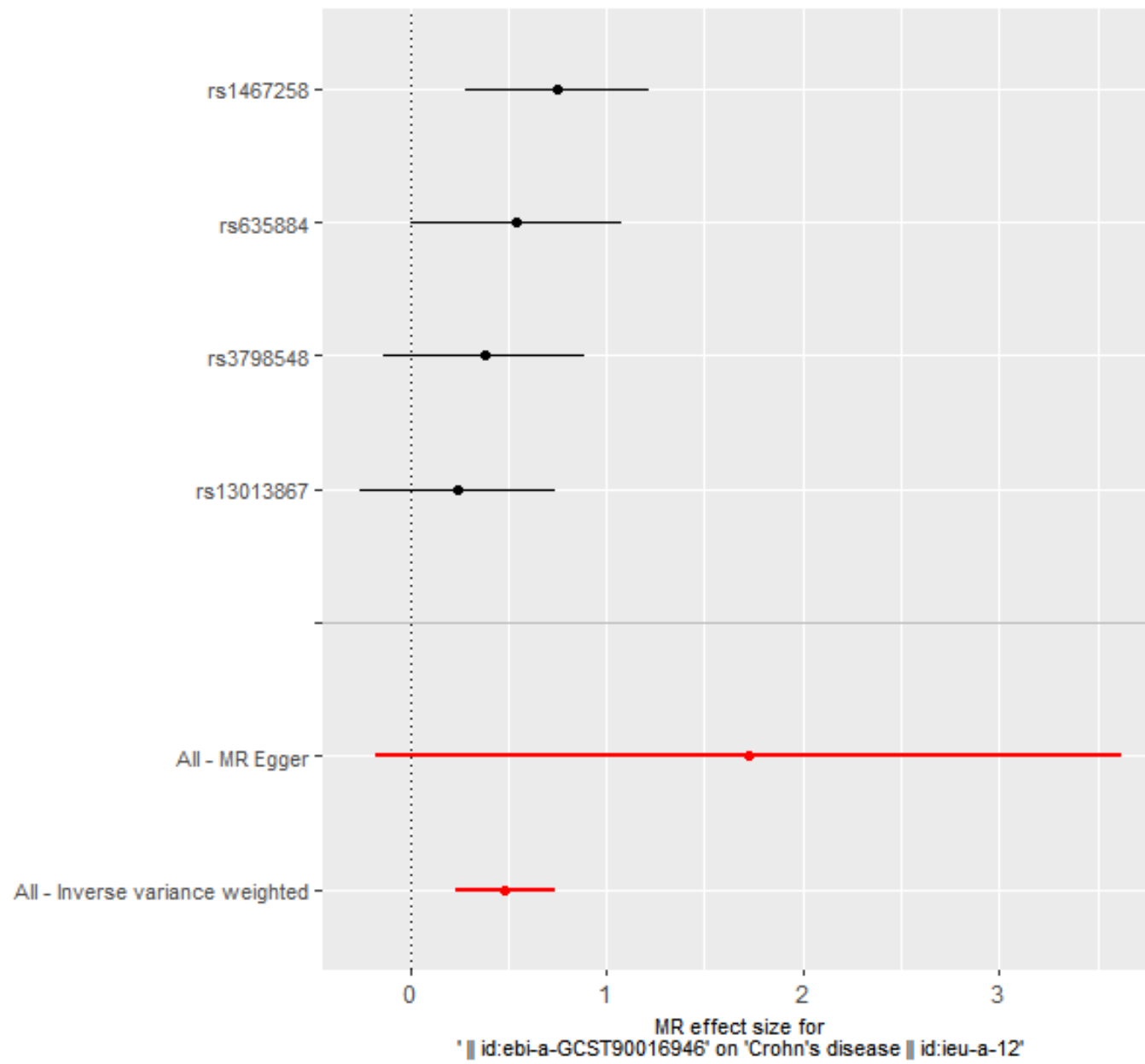
Figure 113 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Peptostreptococcaceae id.2042) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

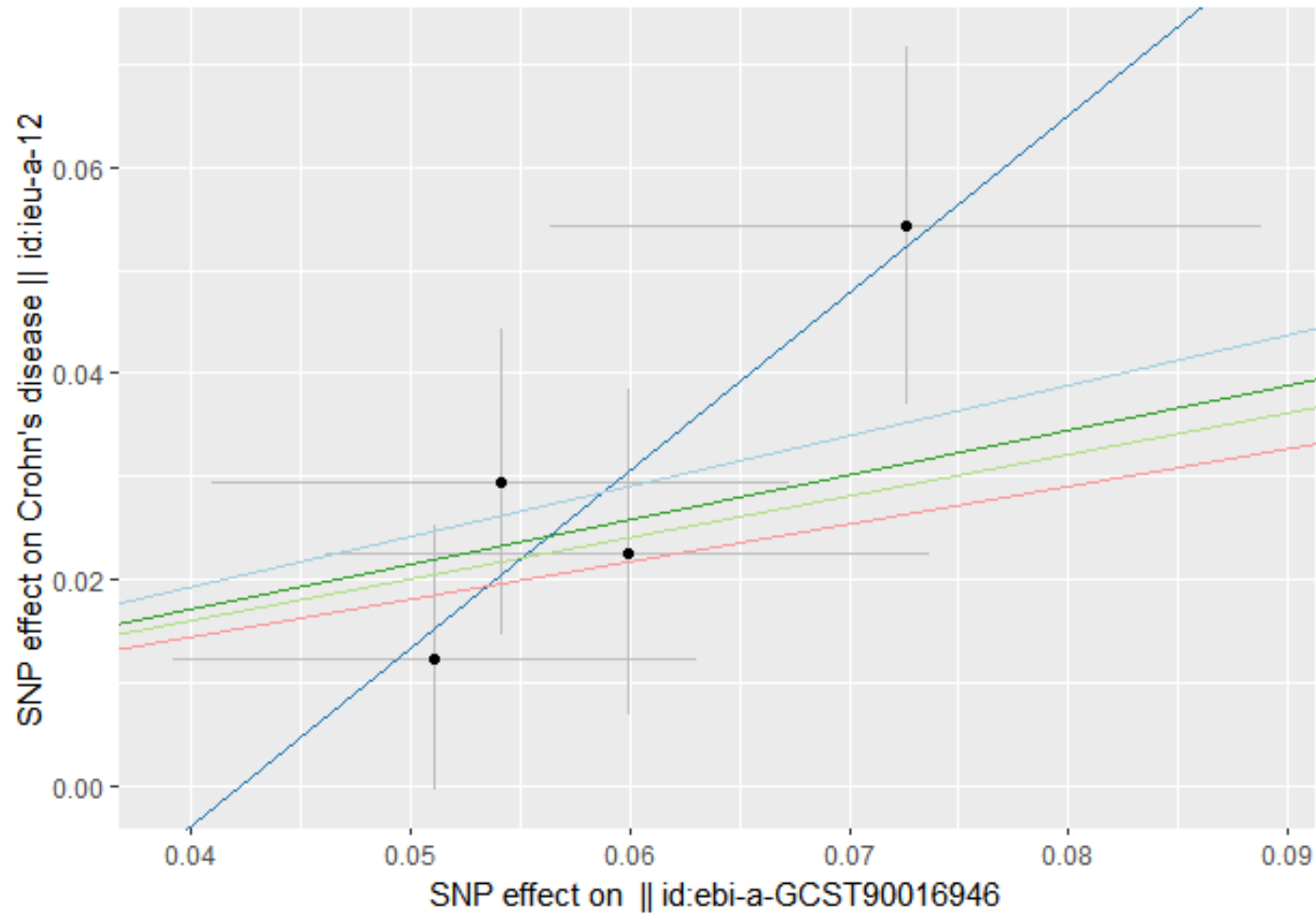
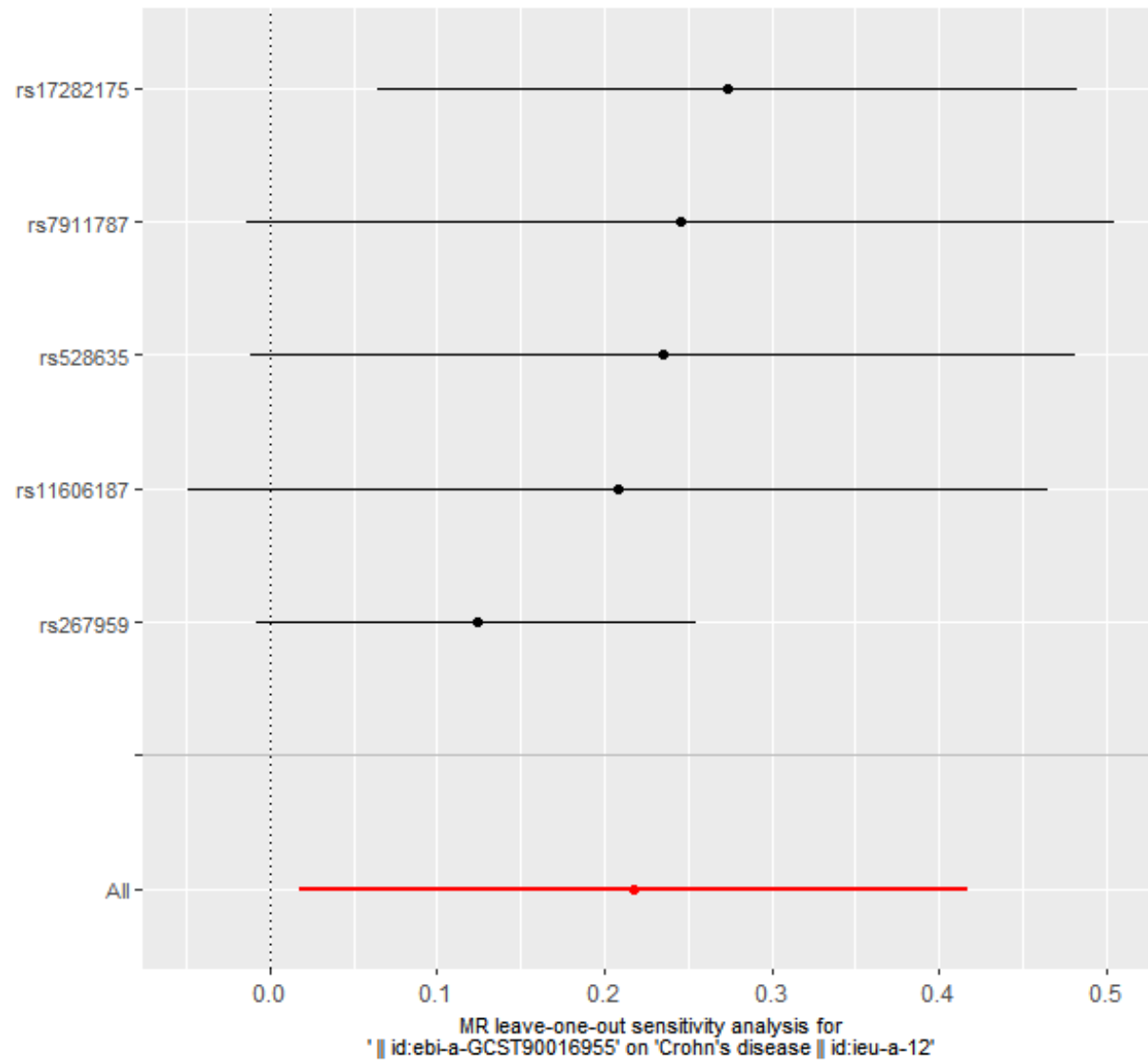
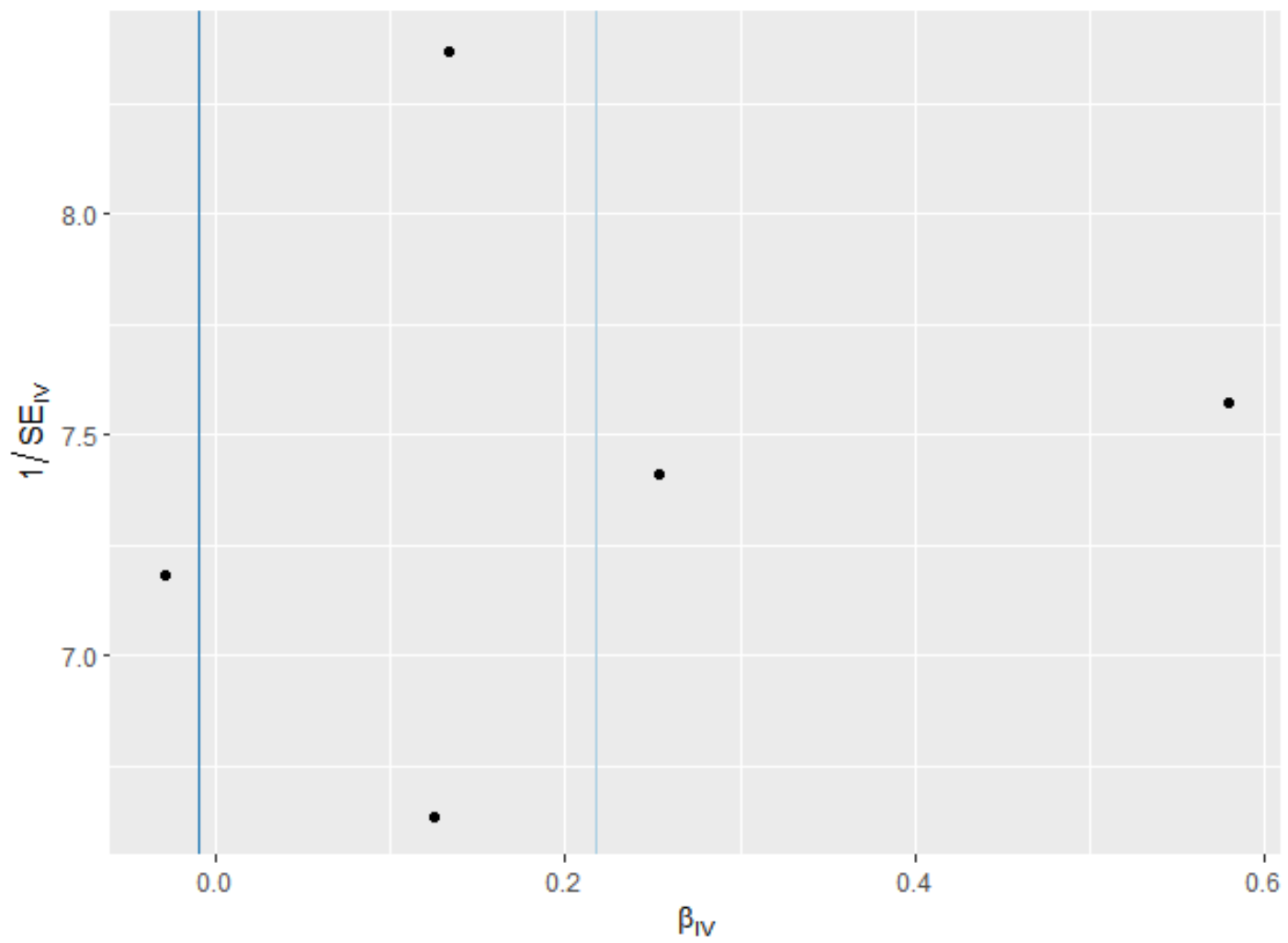


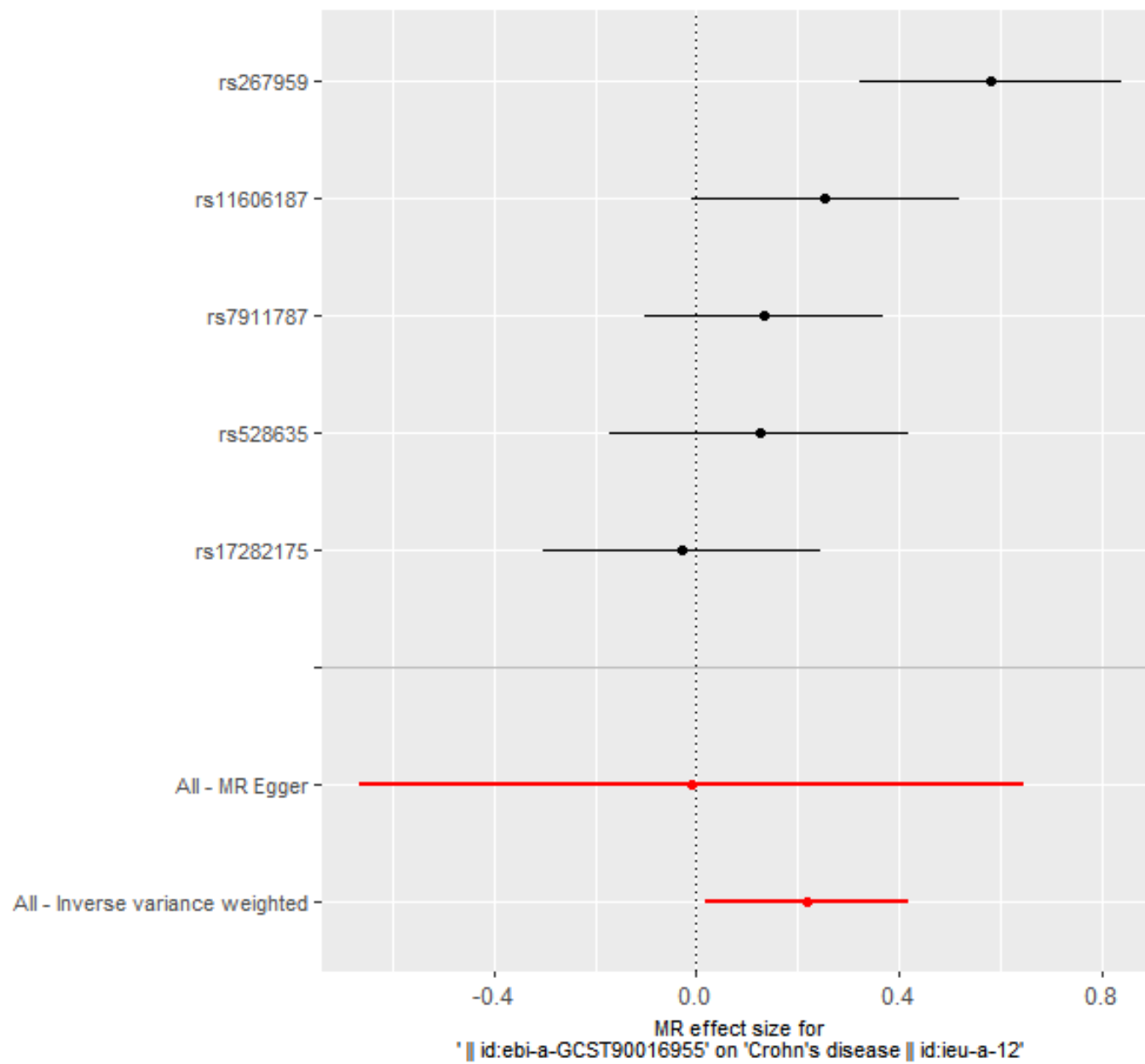
Figure 114 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown family id.1000006161) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

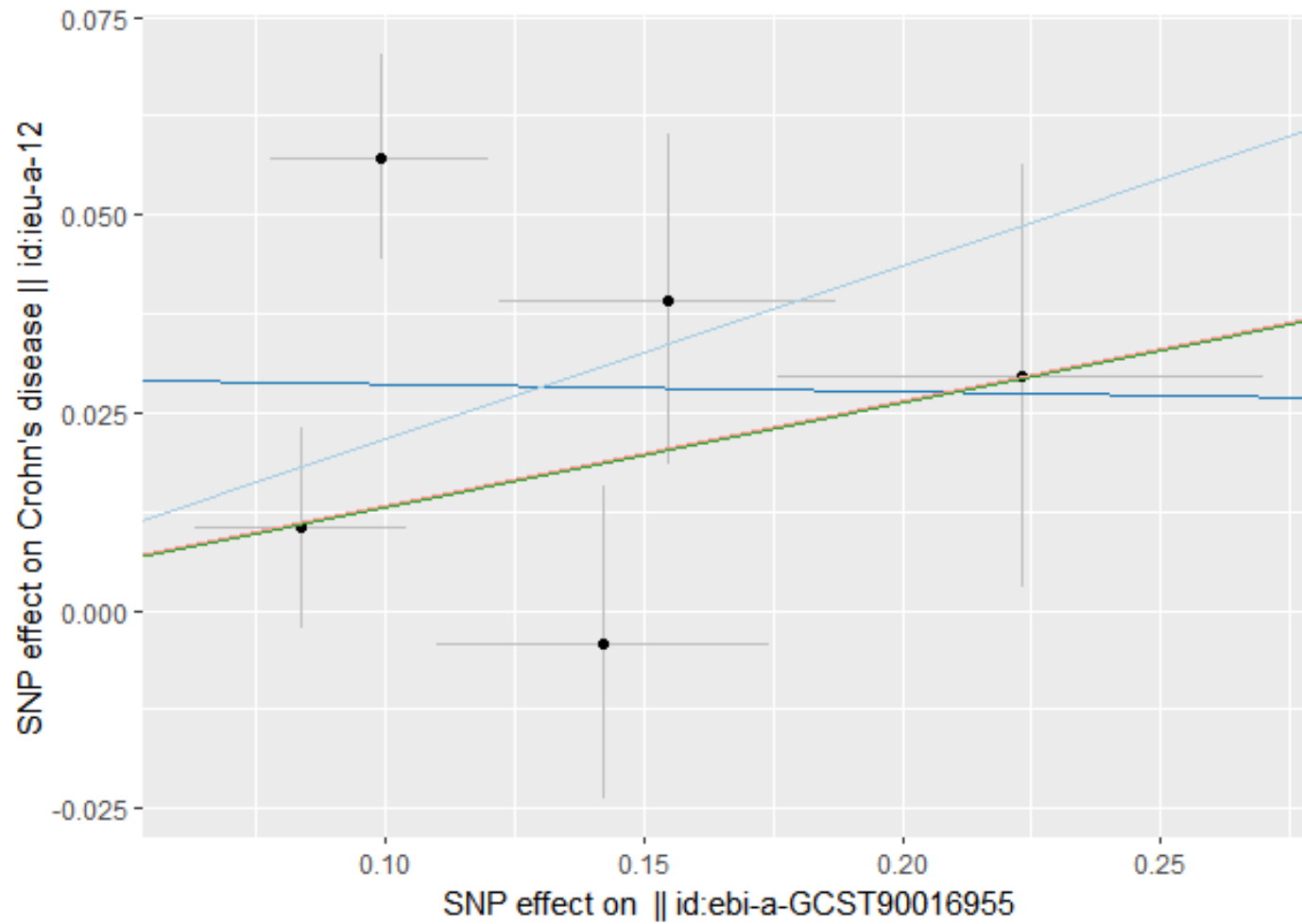
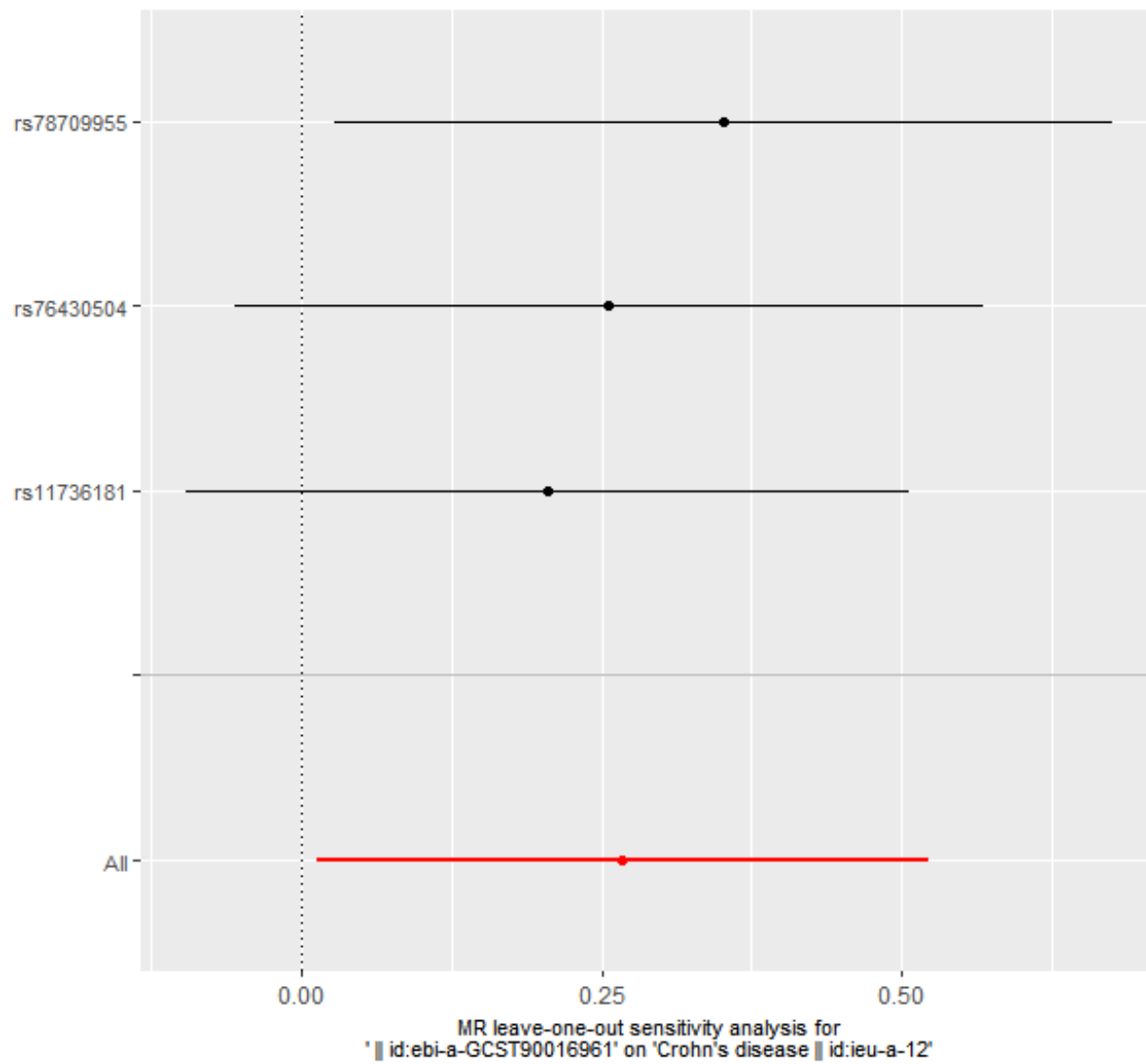
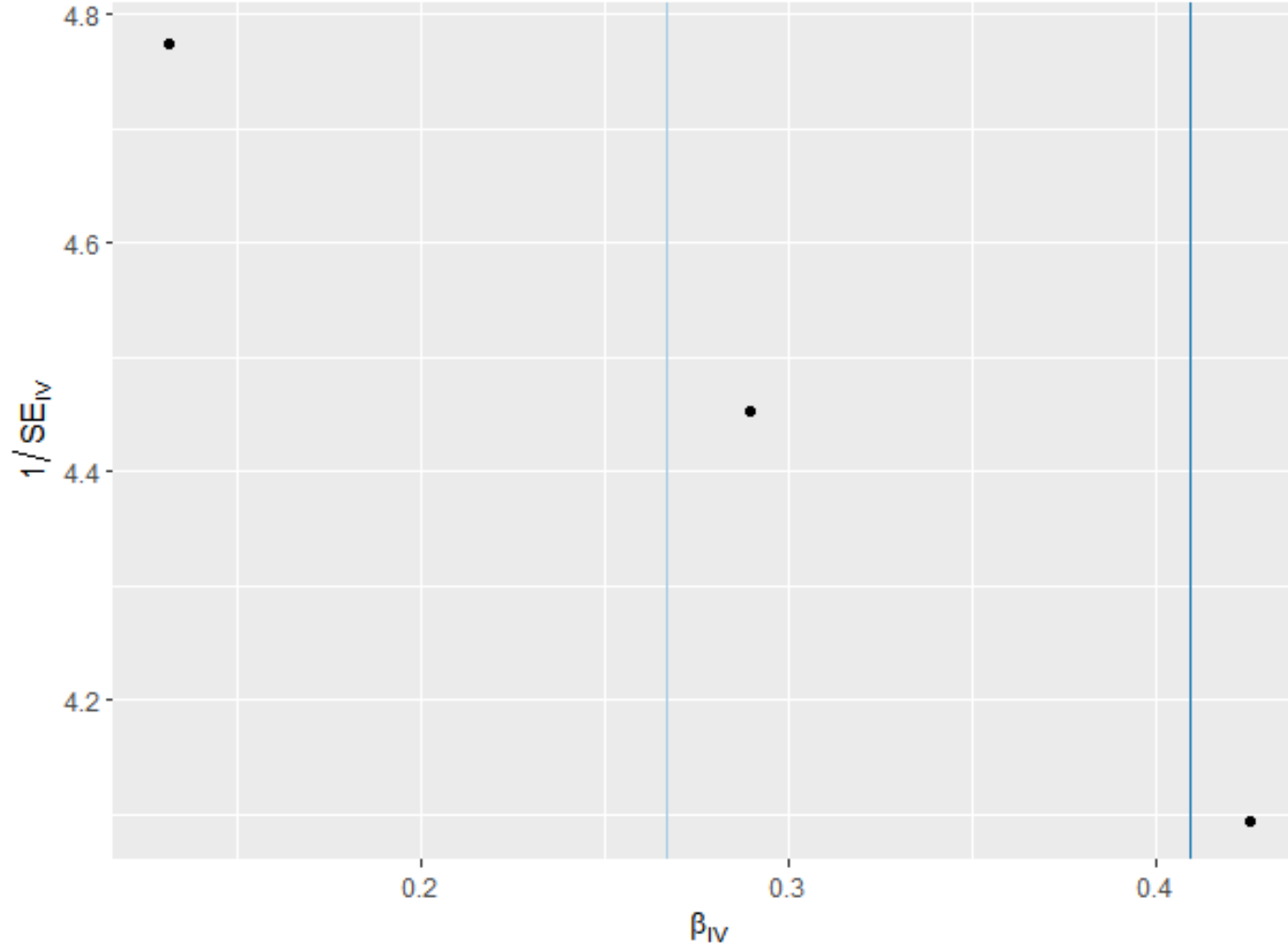


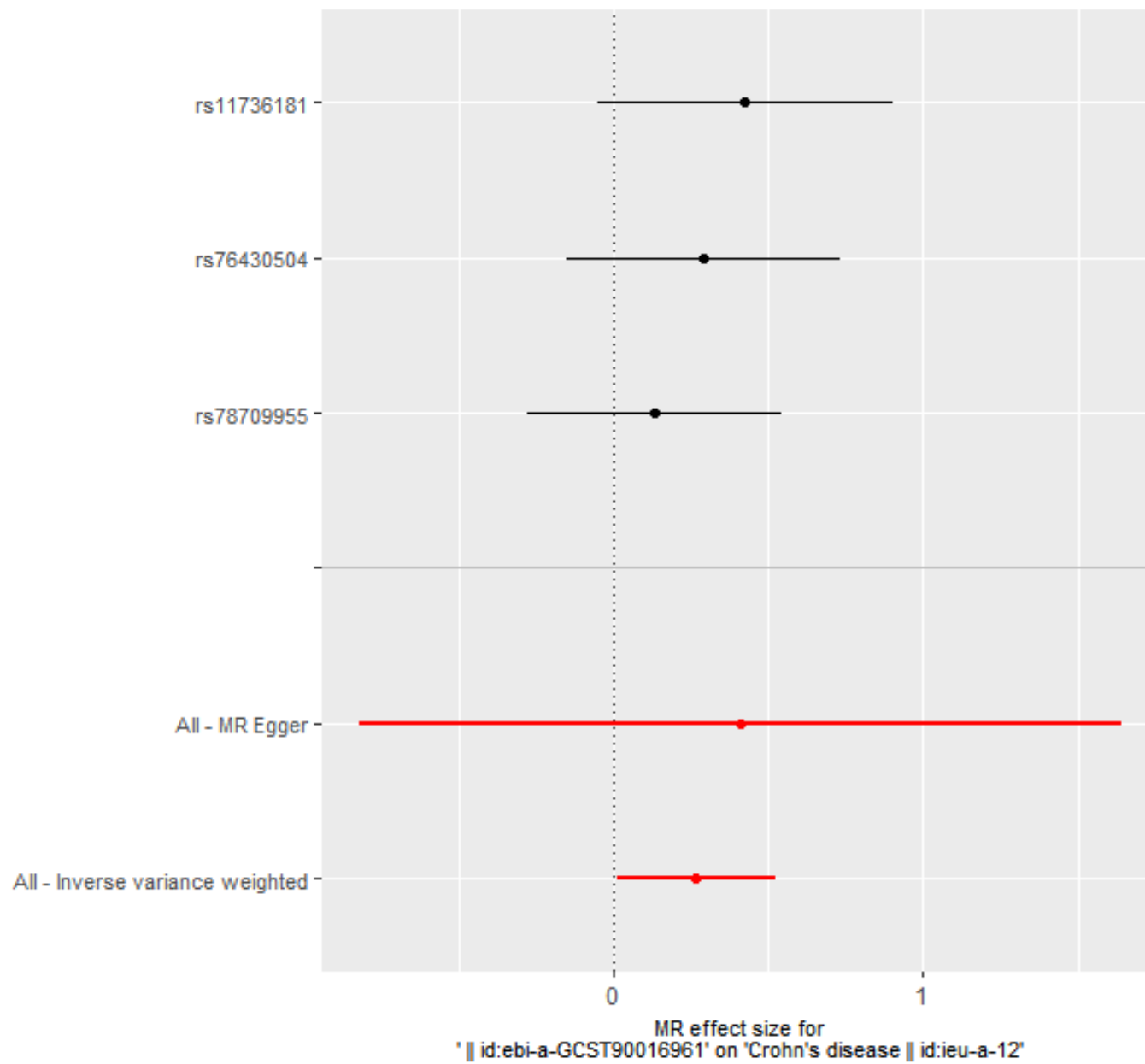
Figure 115 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Akkermansia id.4037) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

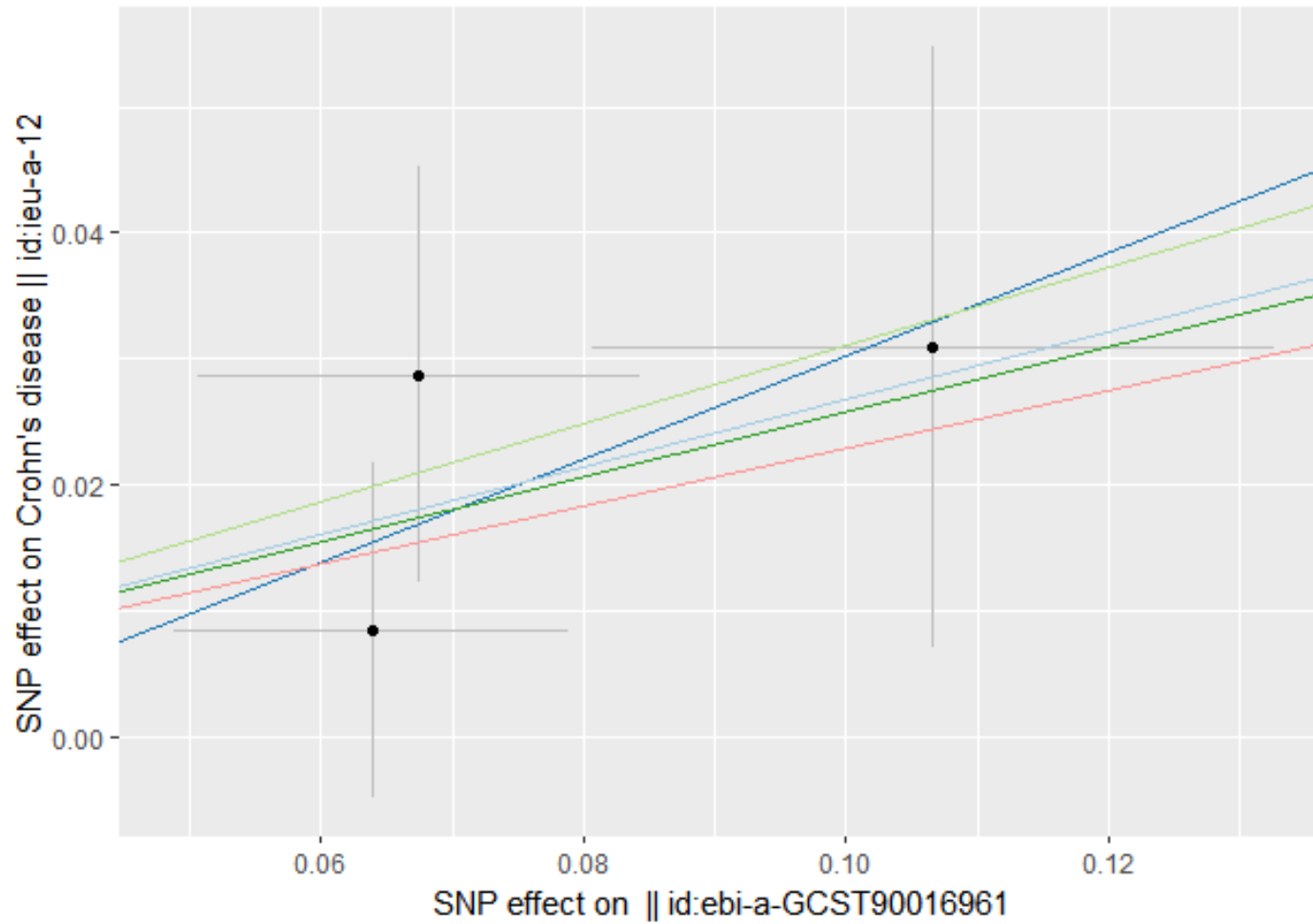
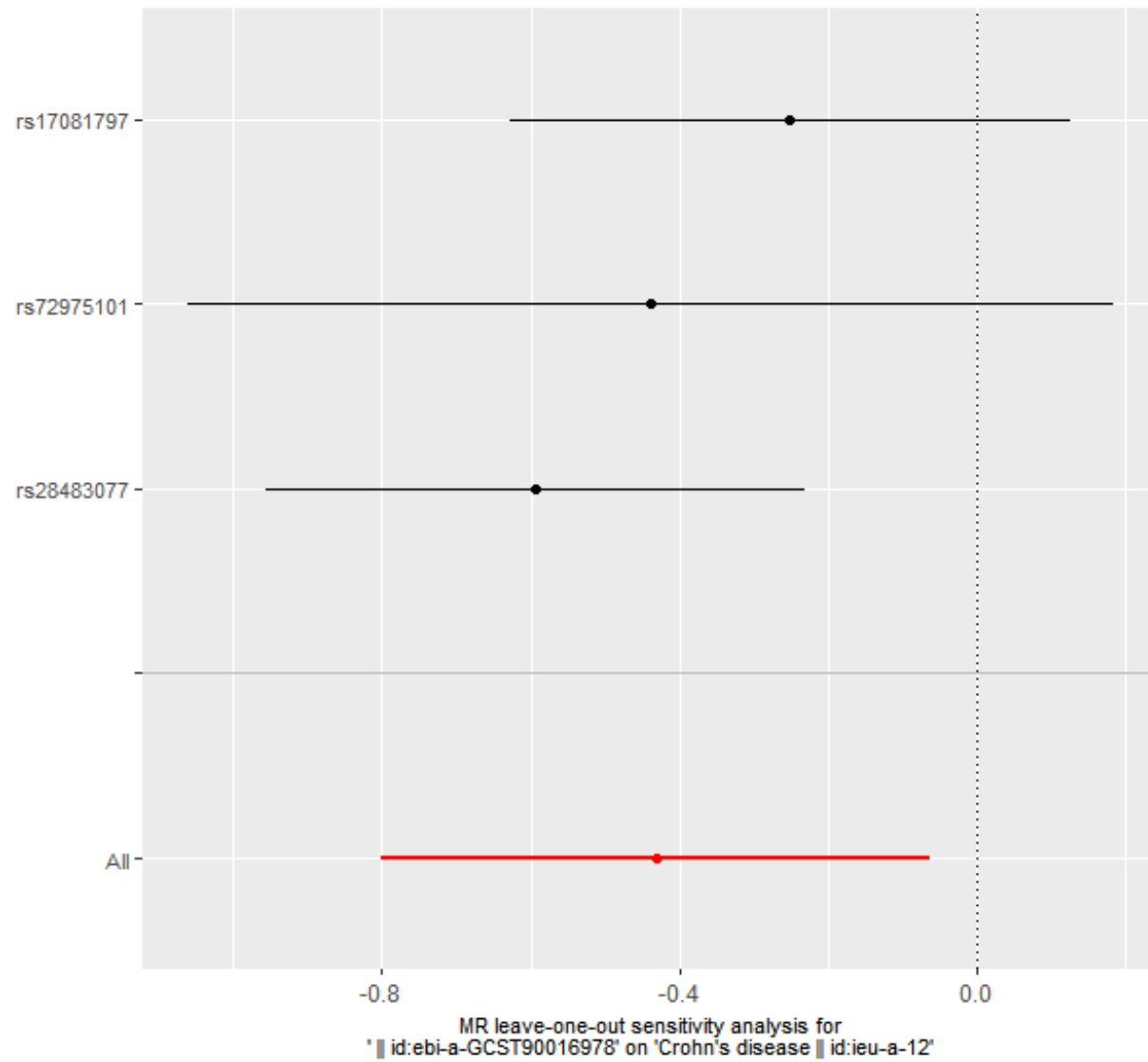
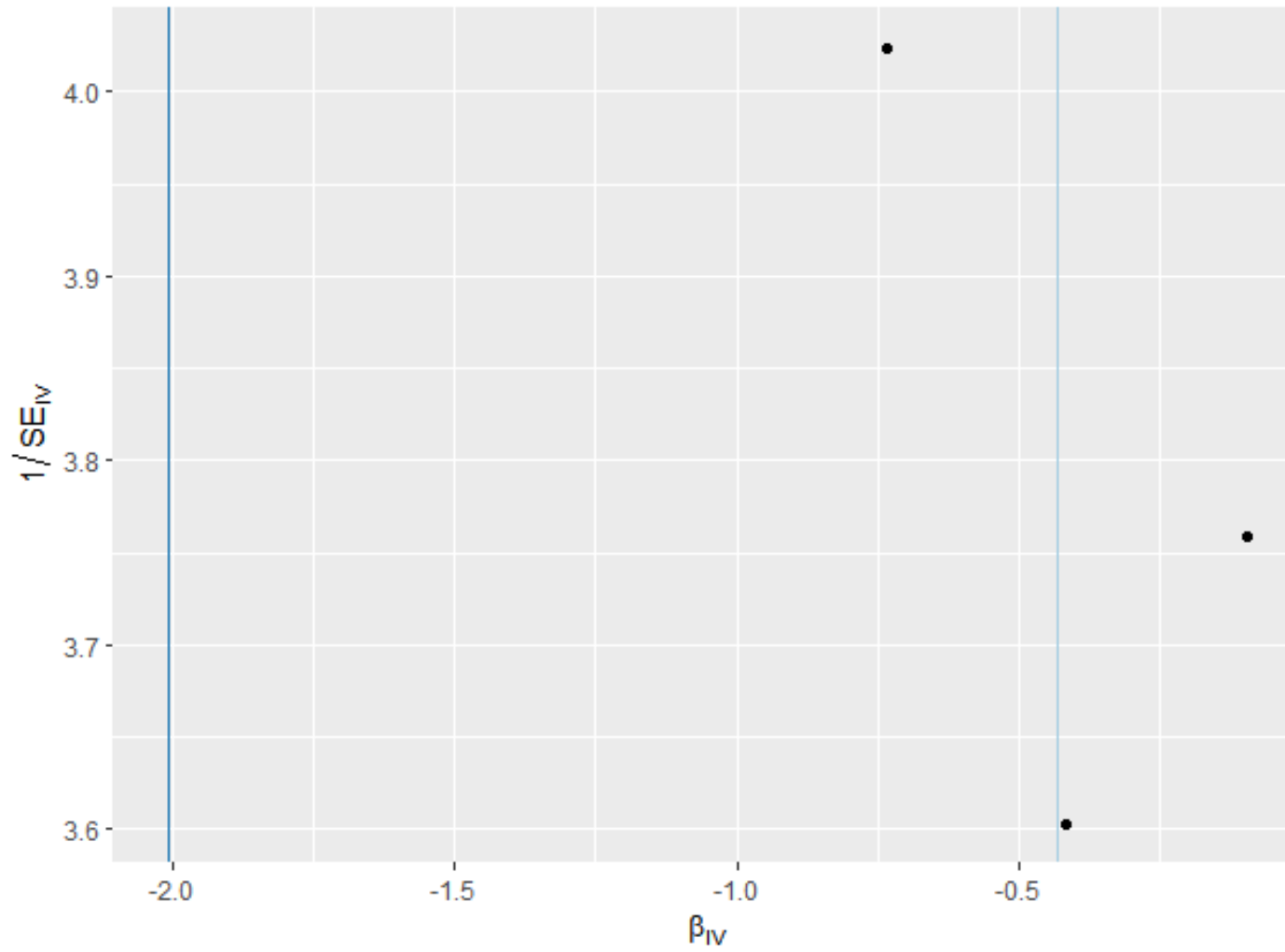


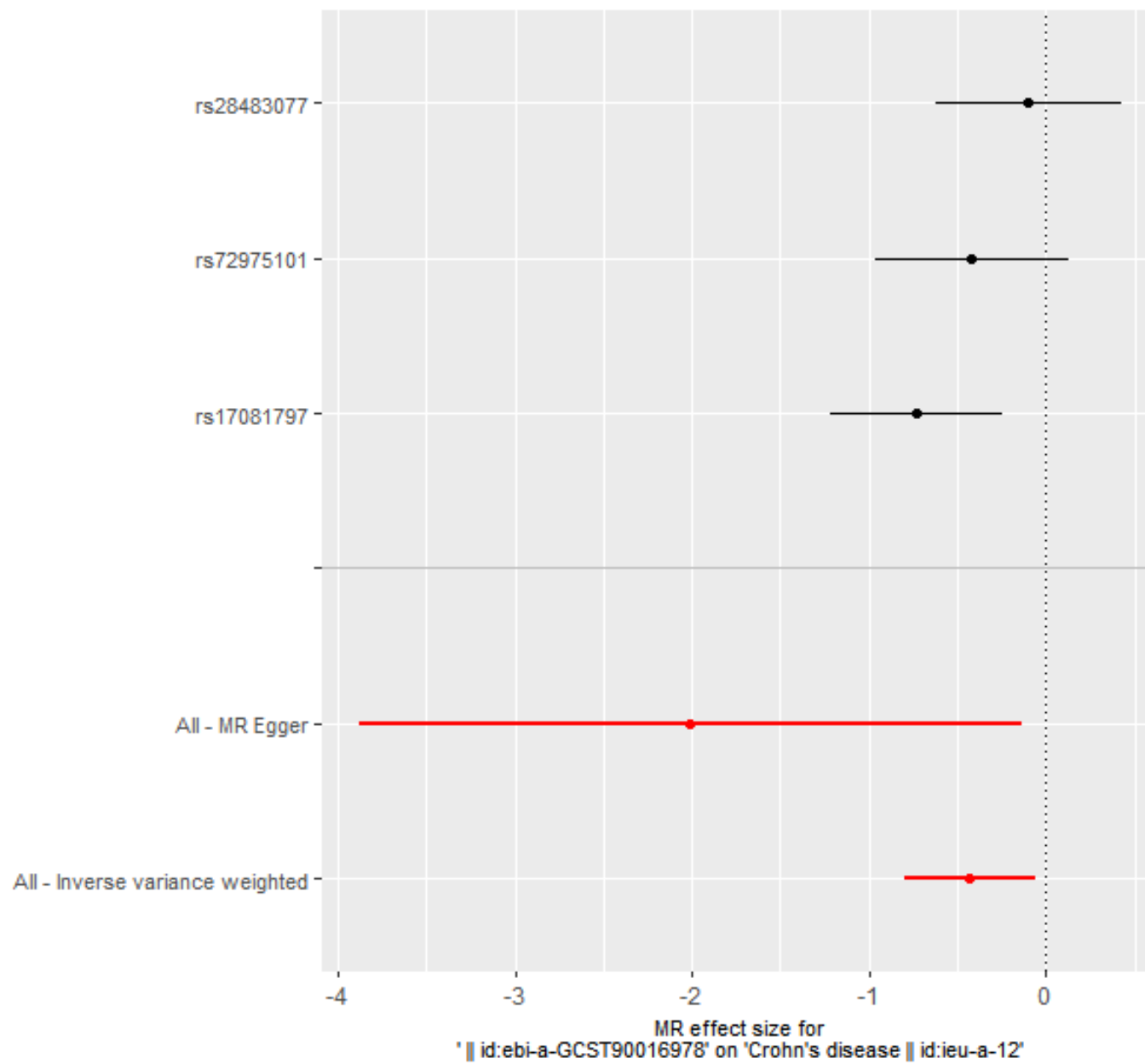
Figure 116 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

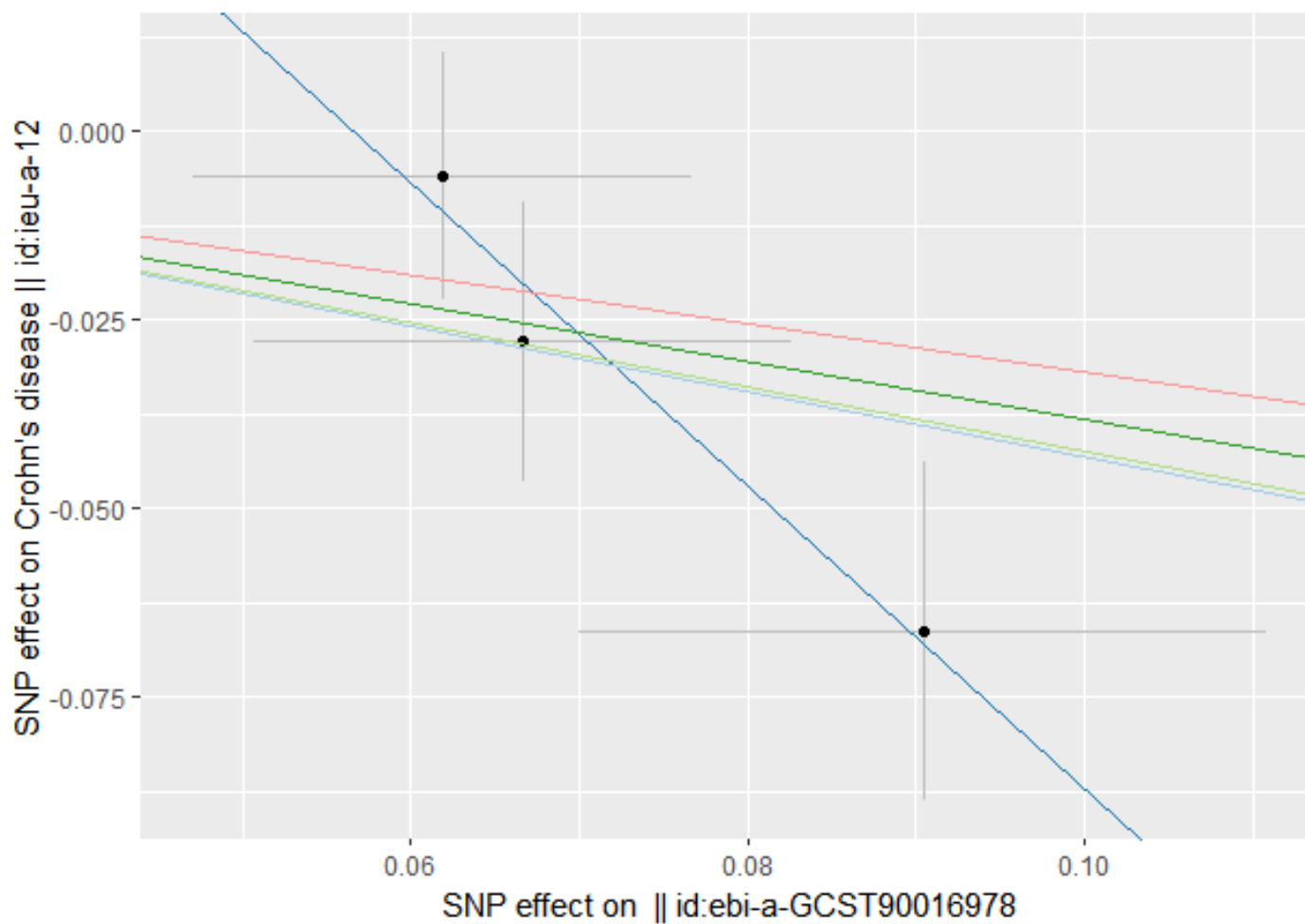
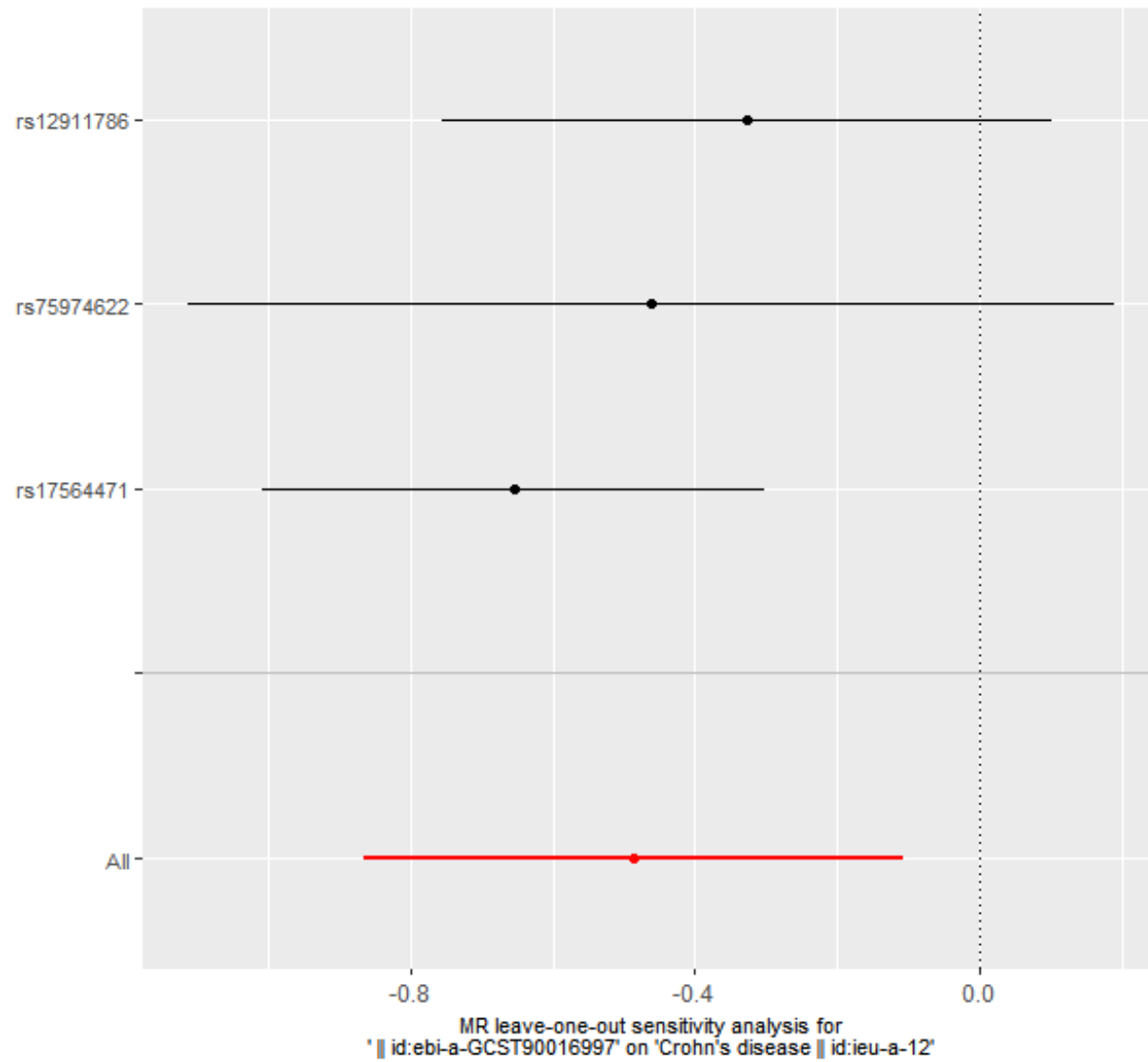
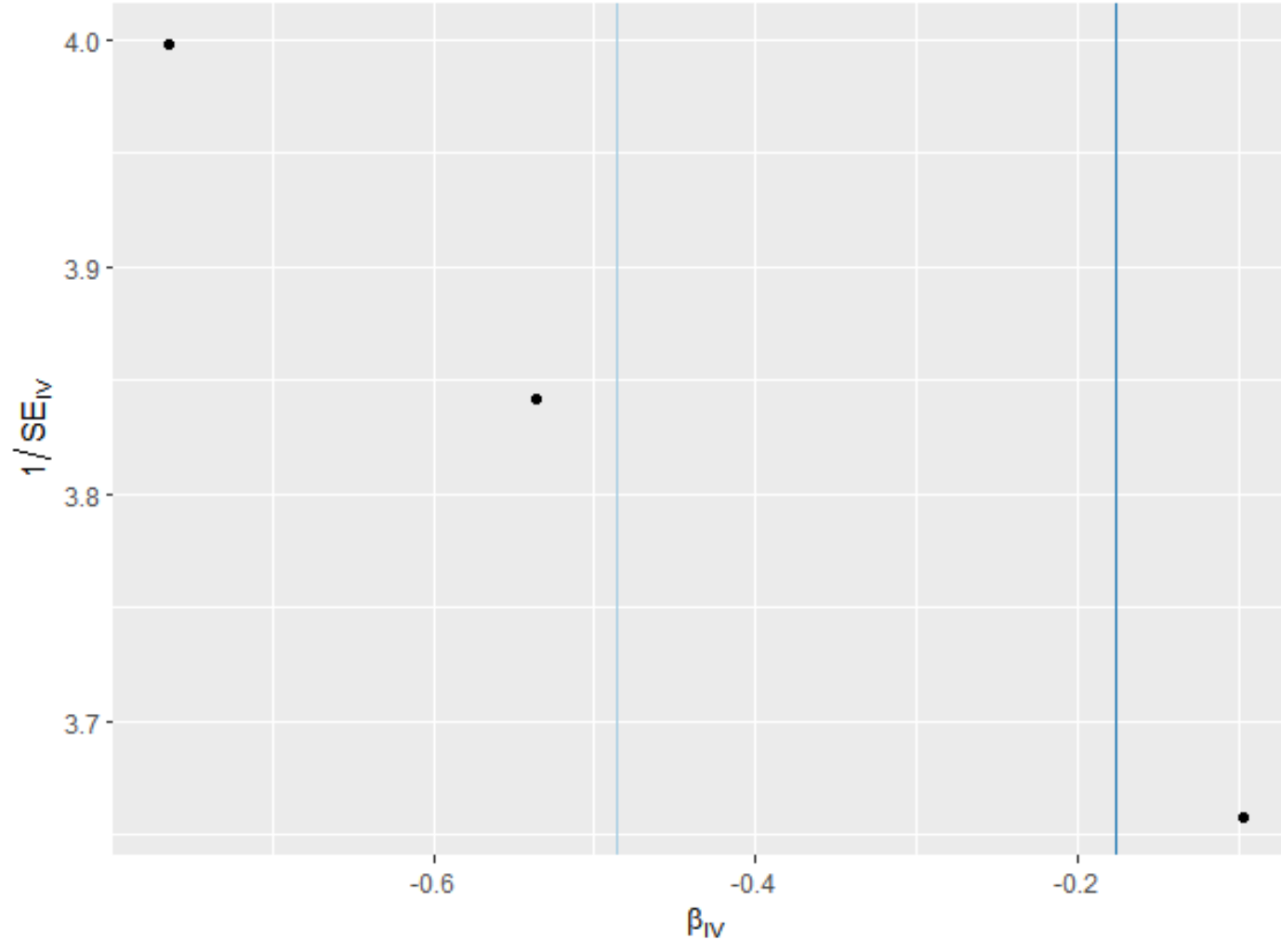


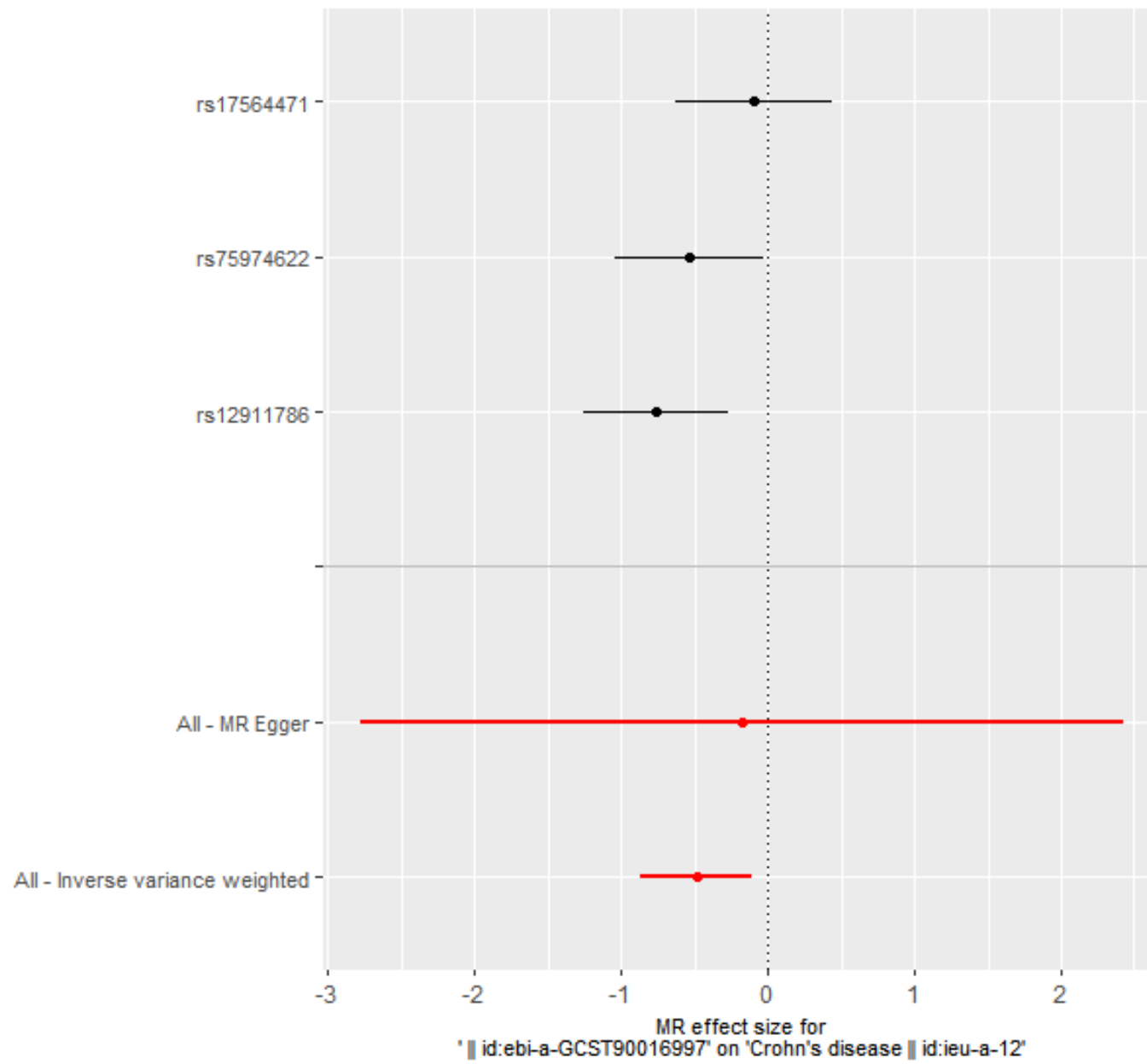
Figure 117 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium coprostanoligenes* group id.11375) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

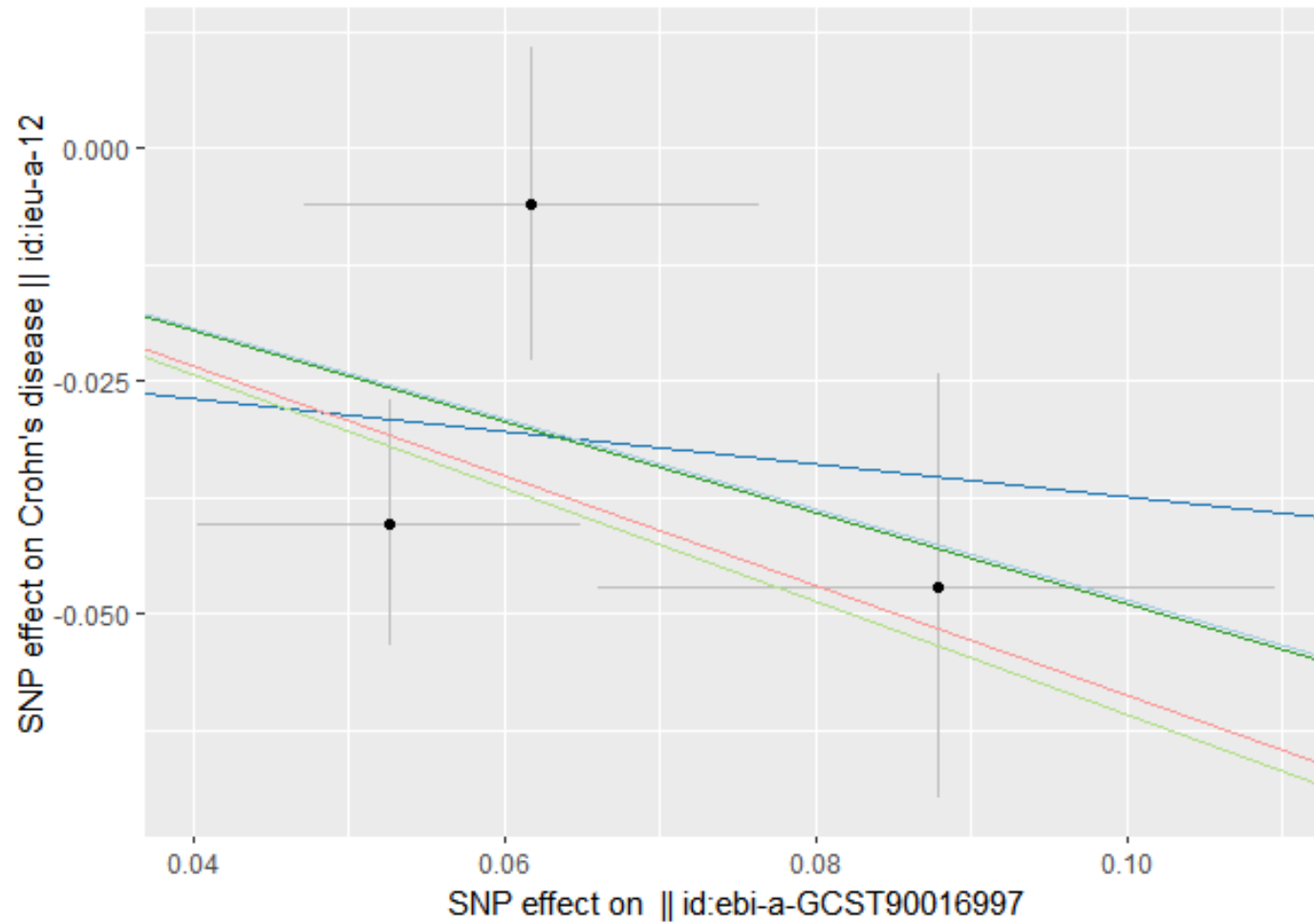
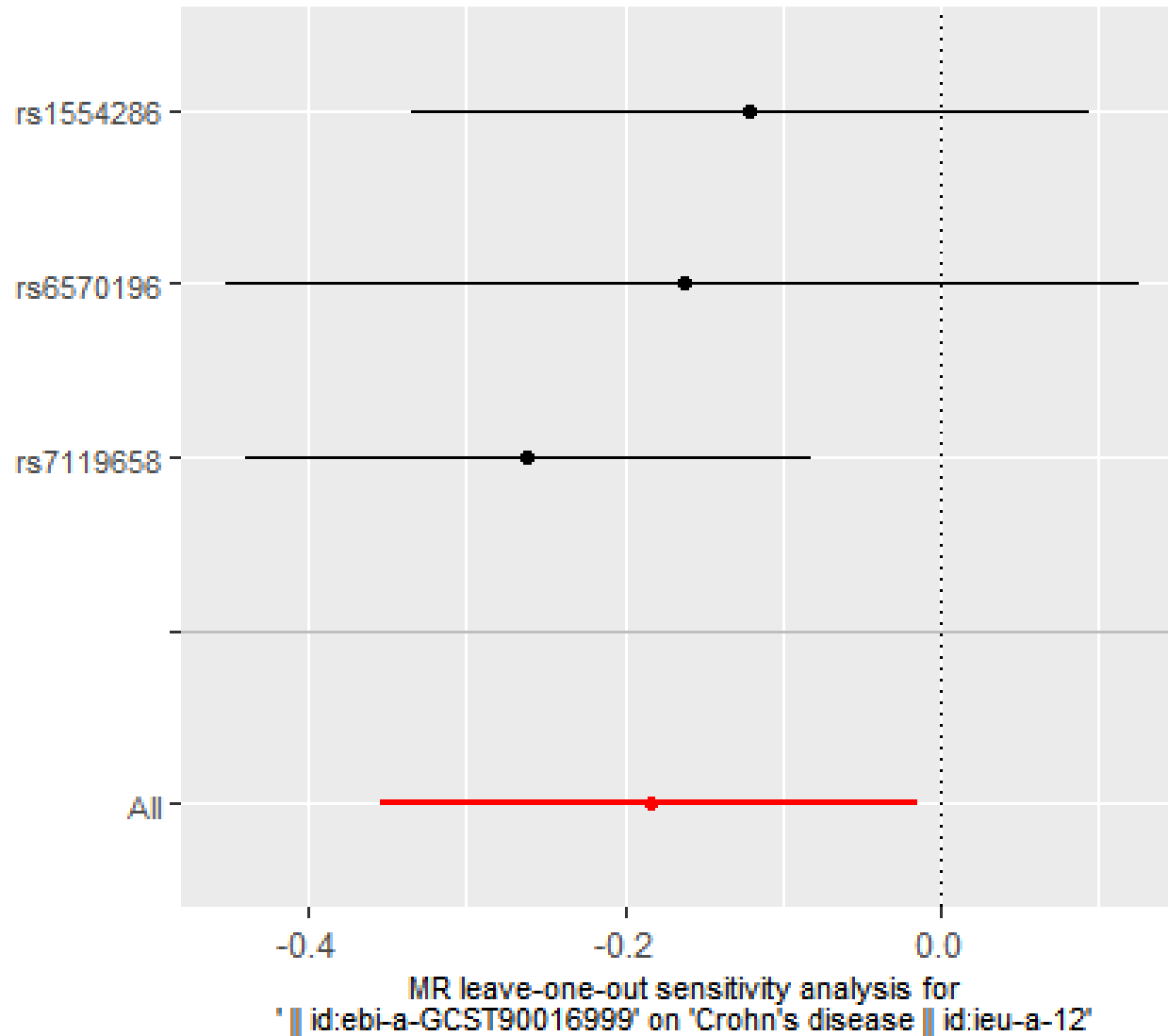
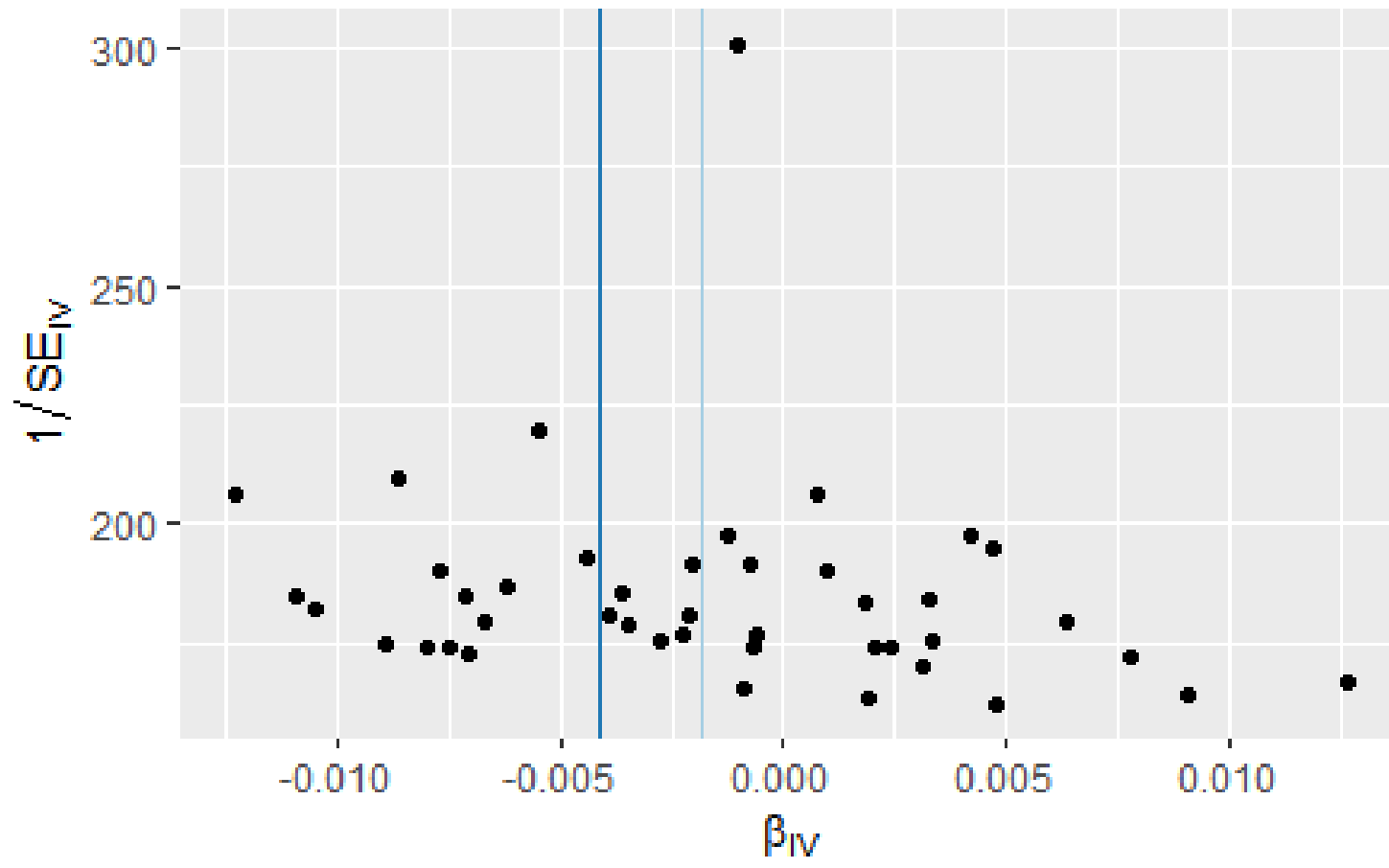


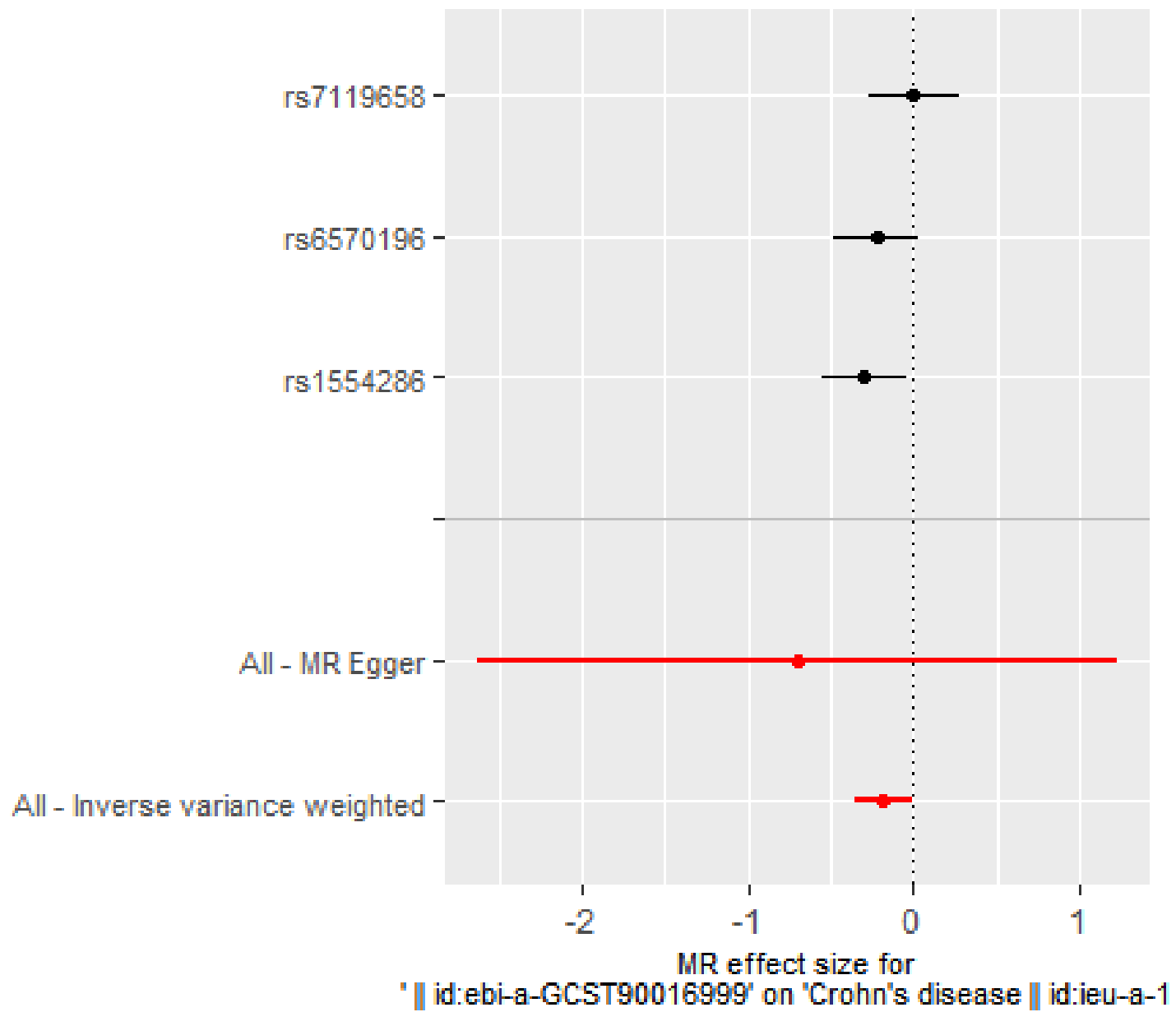
Figure 118 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium fissicatena* group id.14373) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





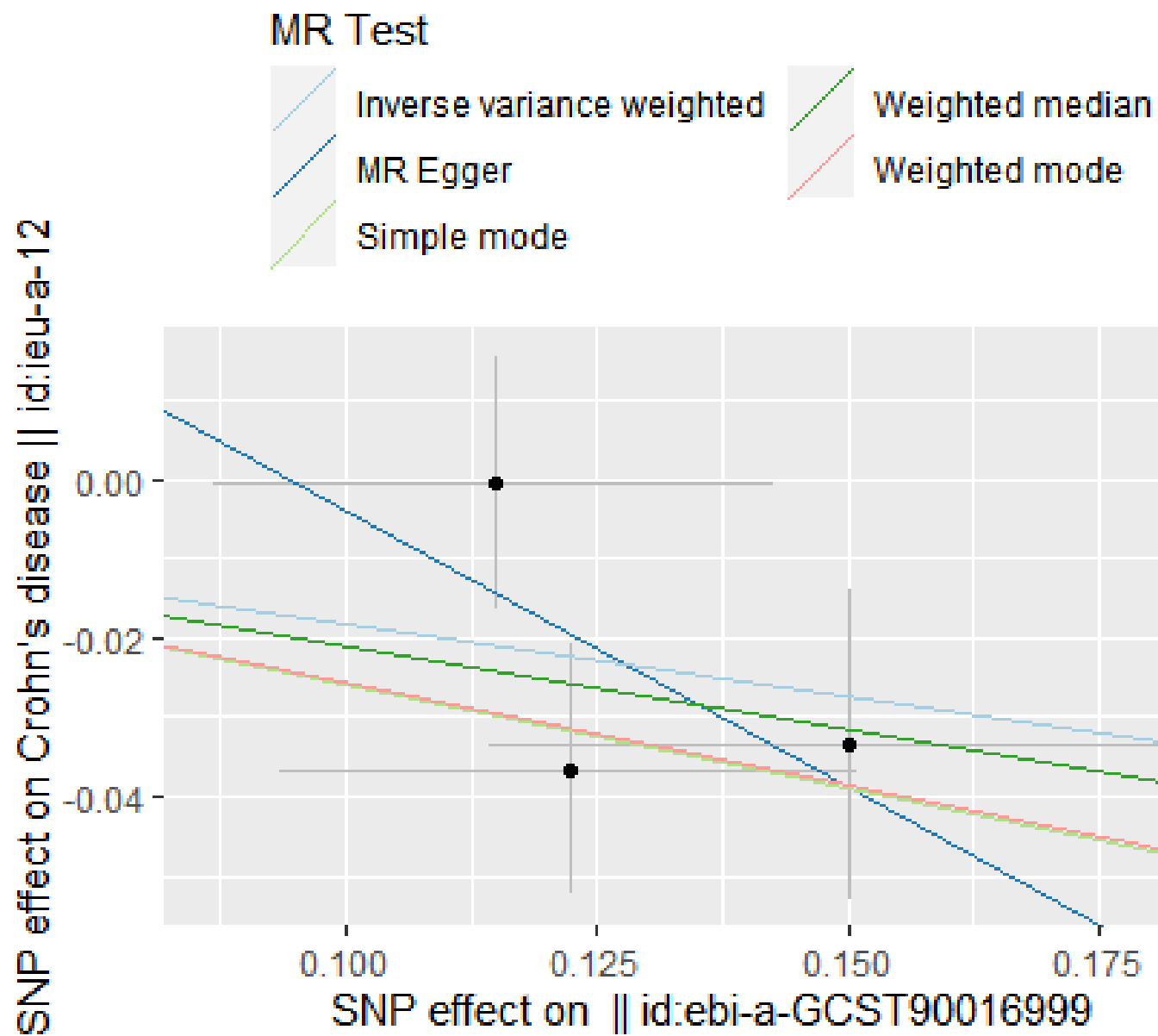
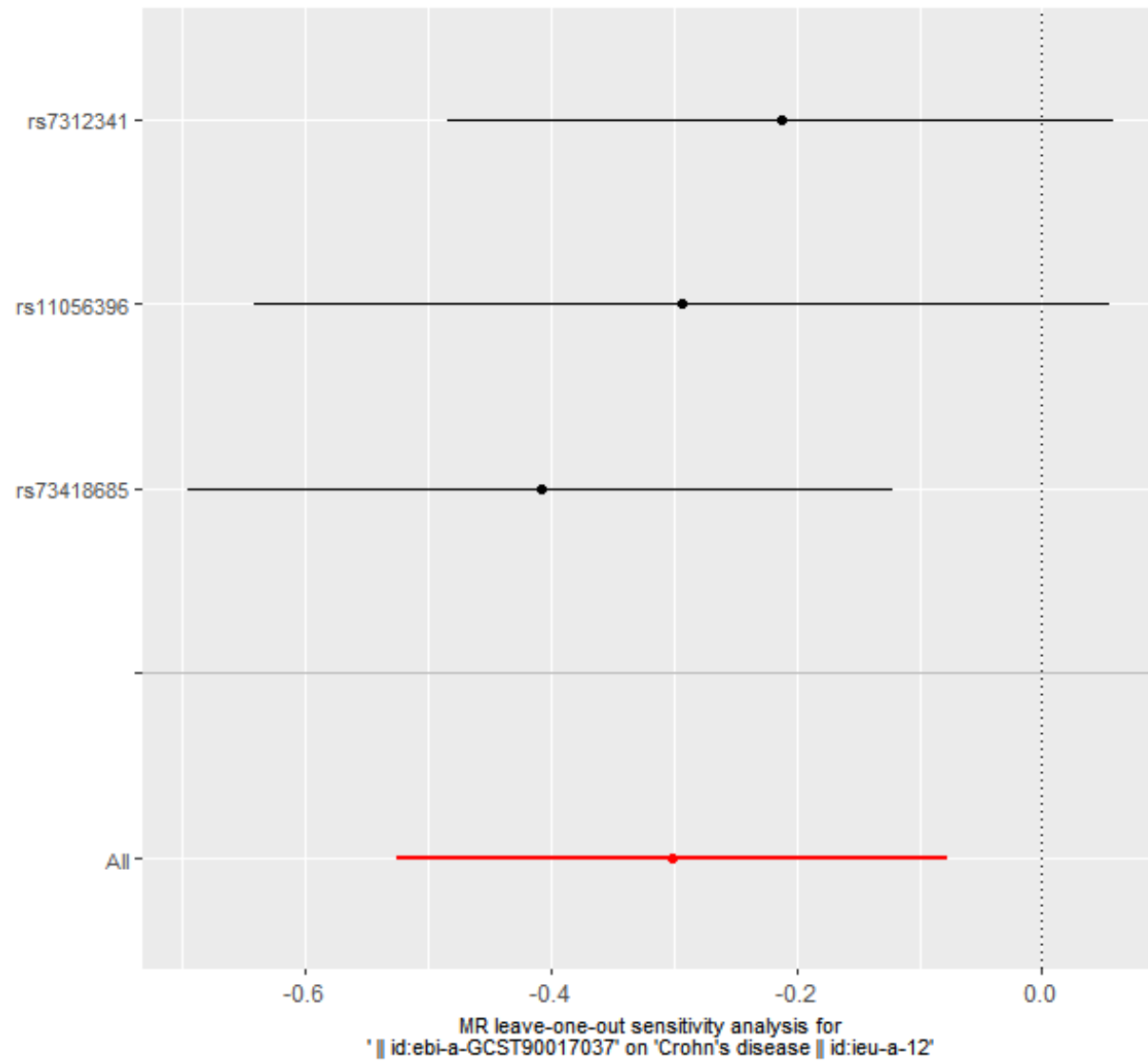
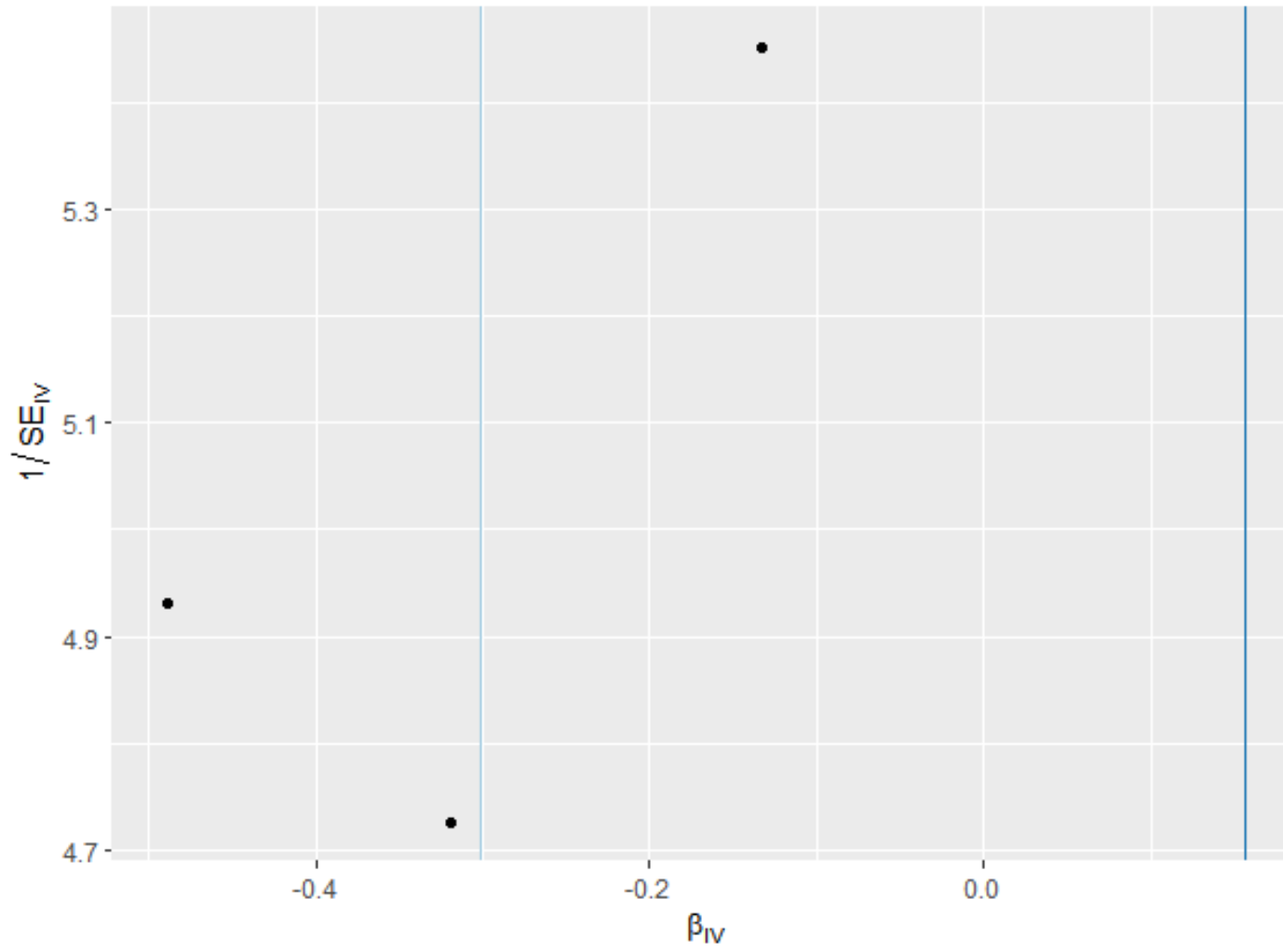


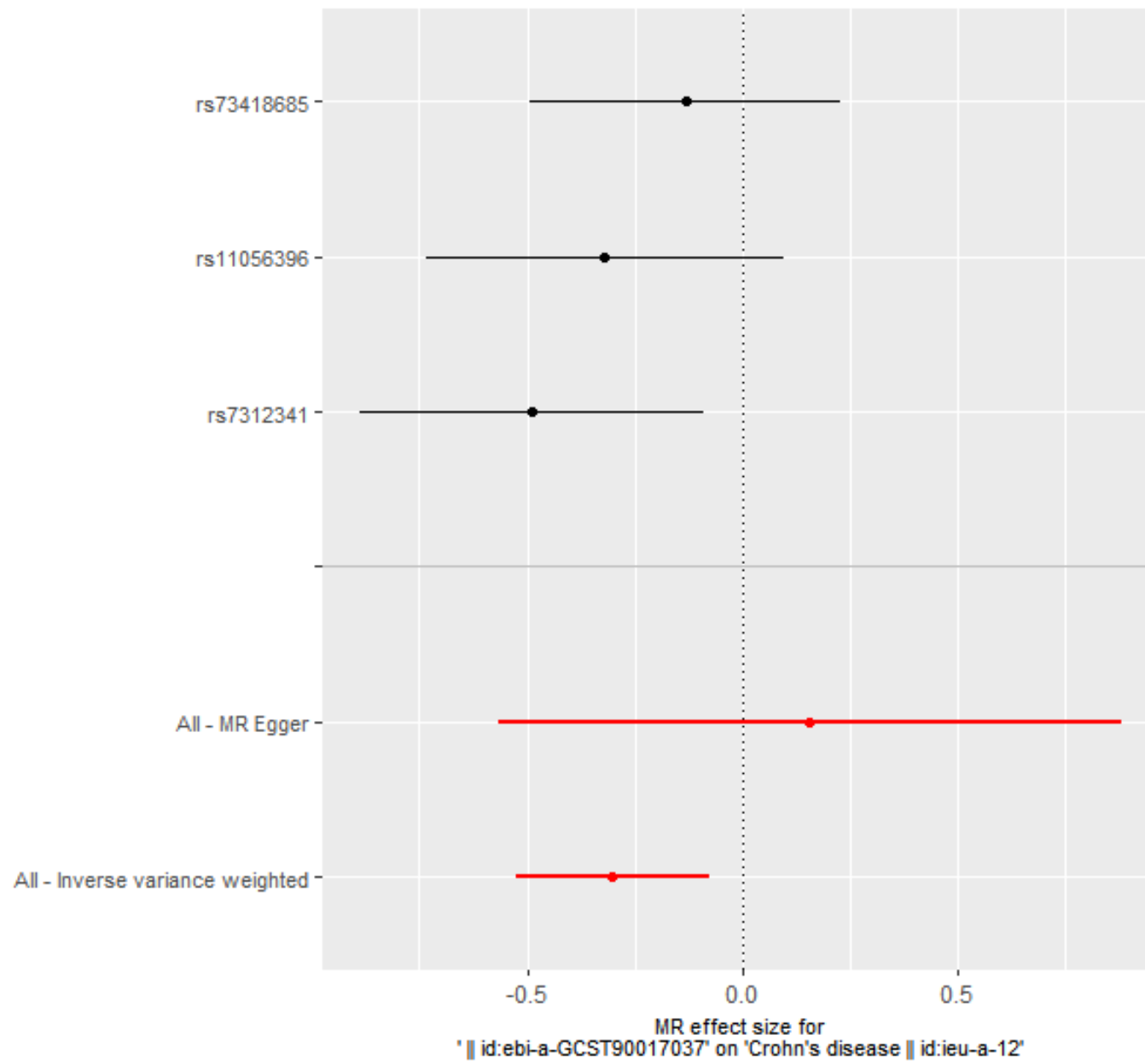
Figure 119 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Oscillospira* id.2064) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

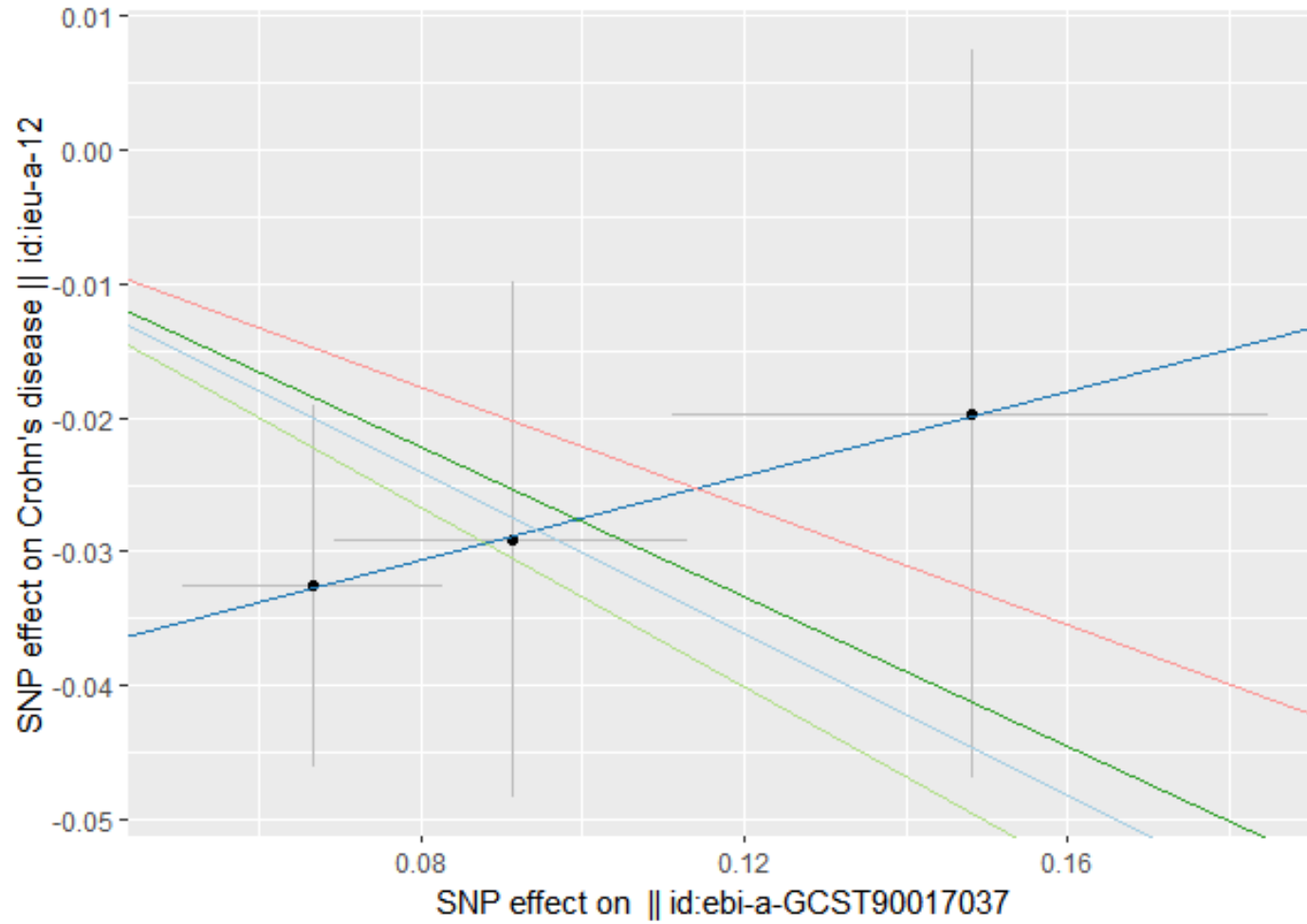
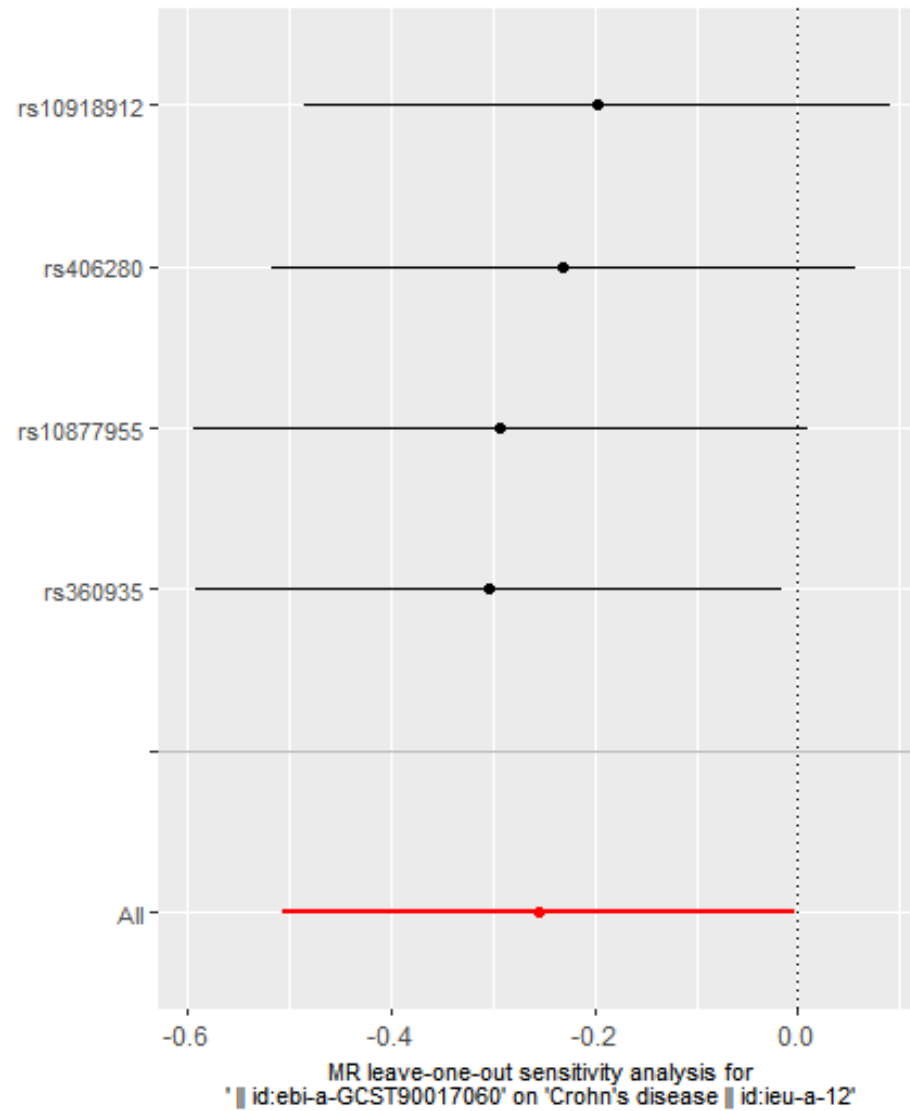
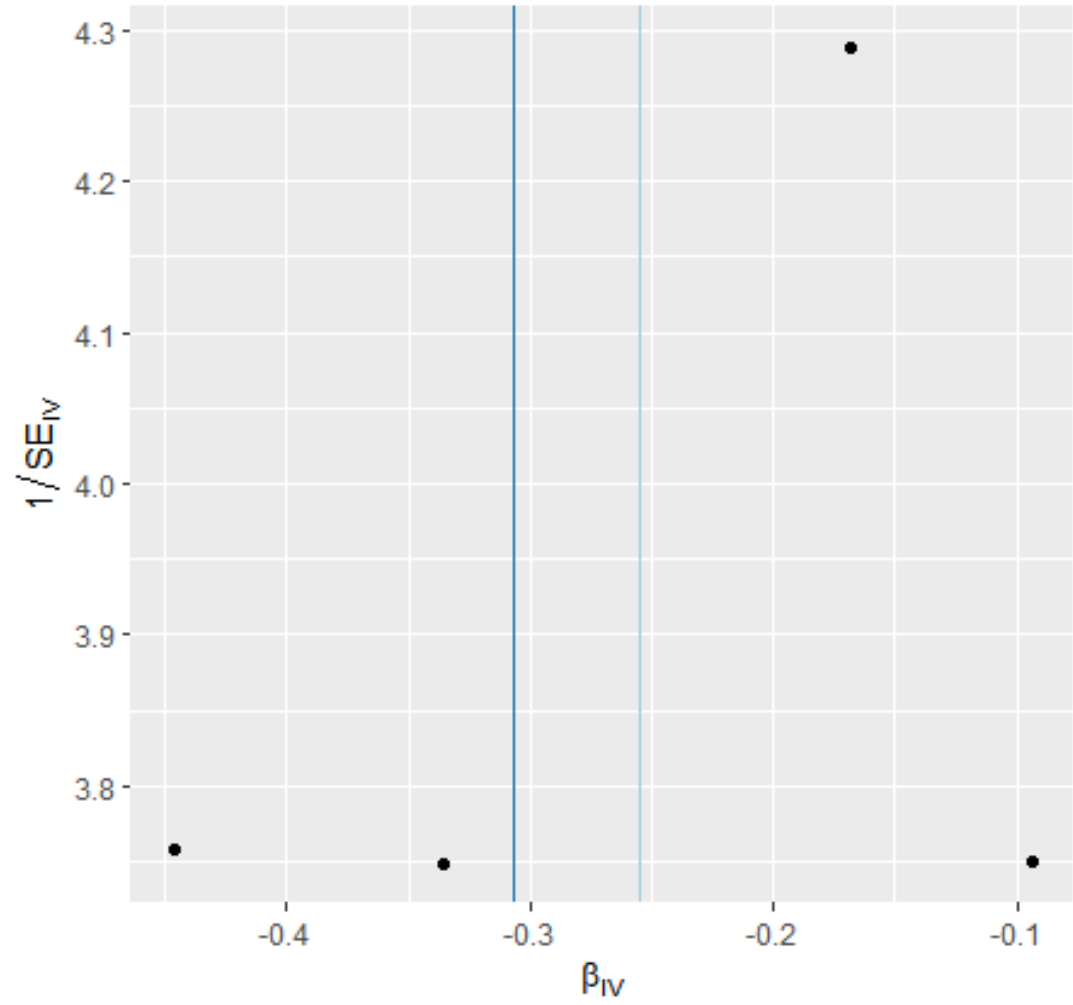


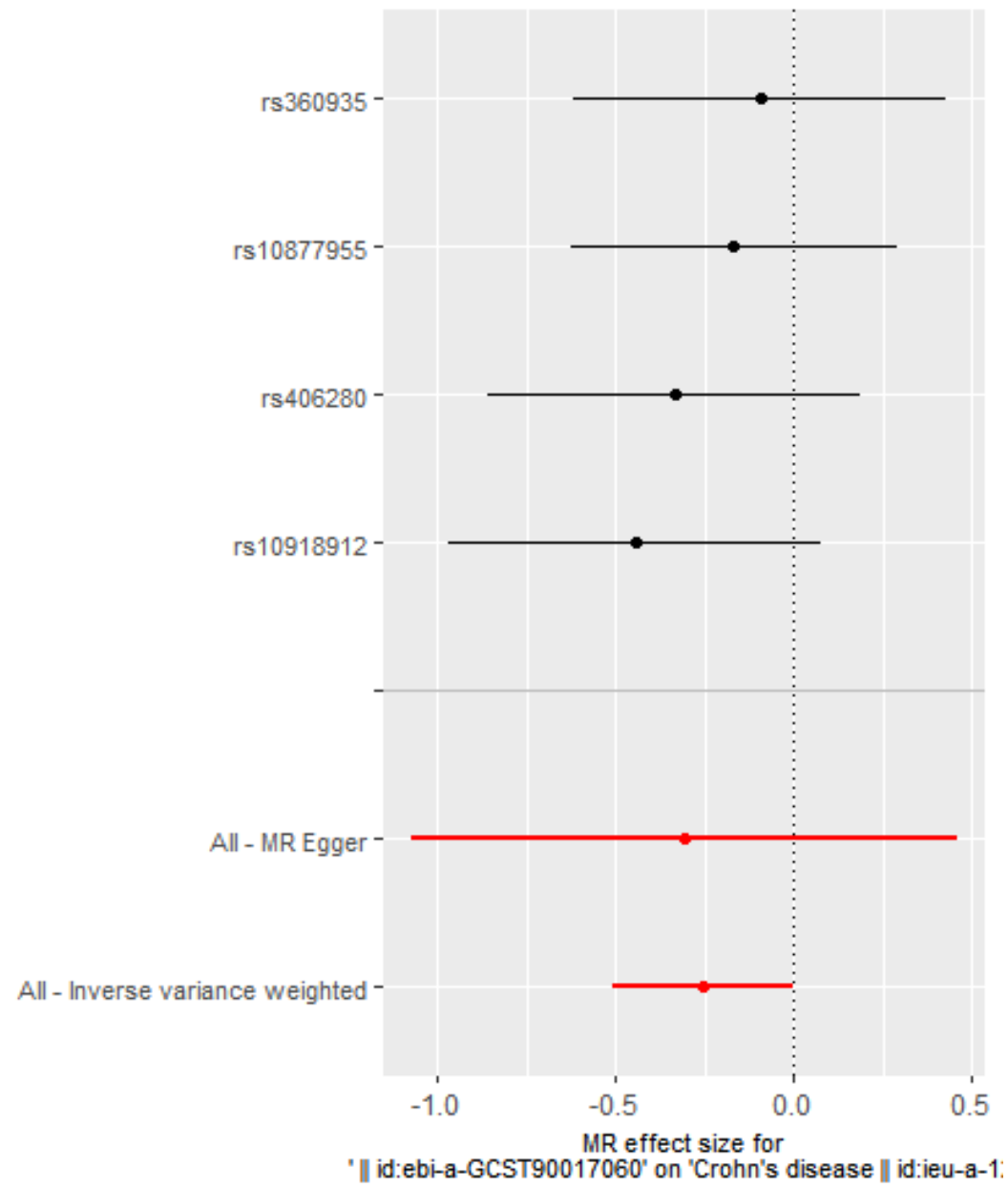
Figure 120 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

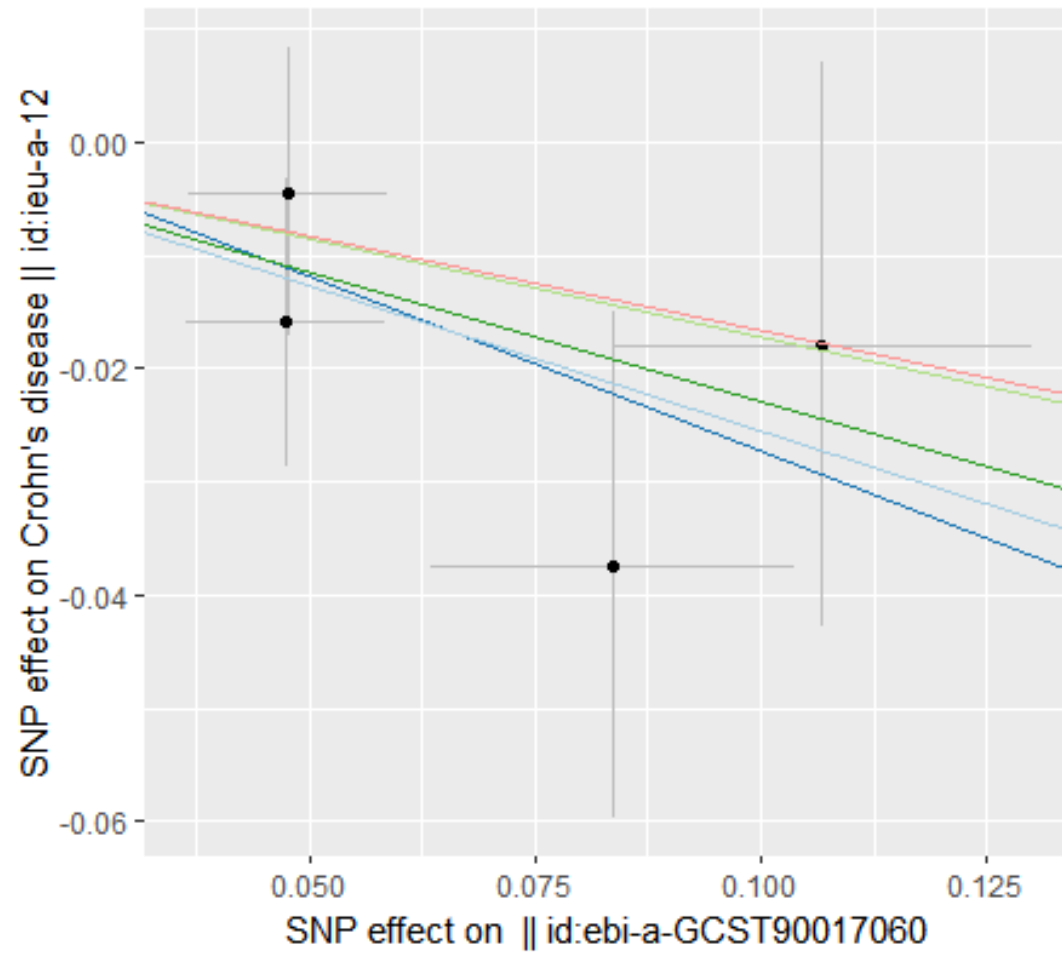
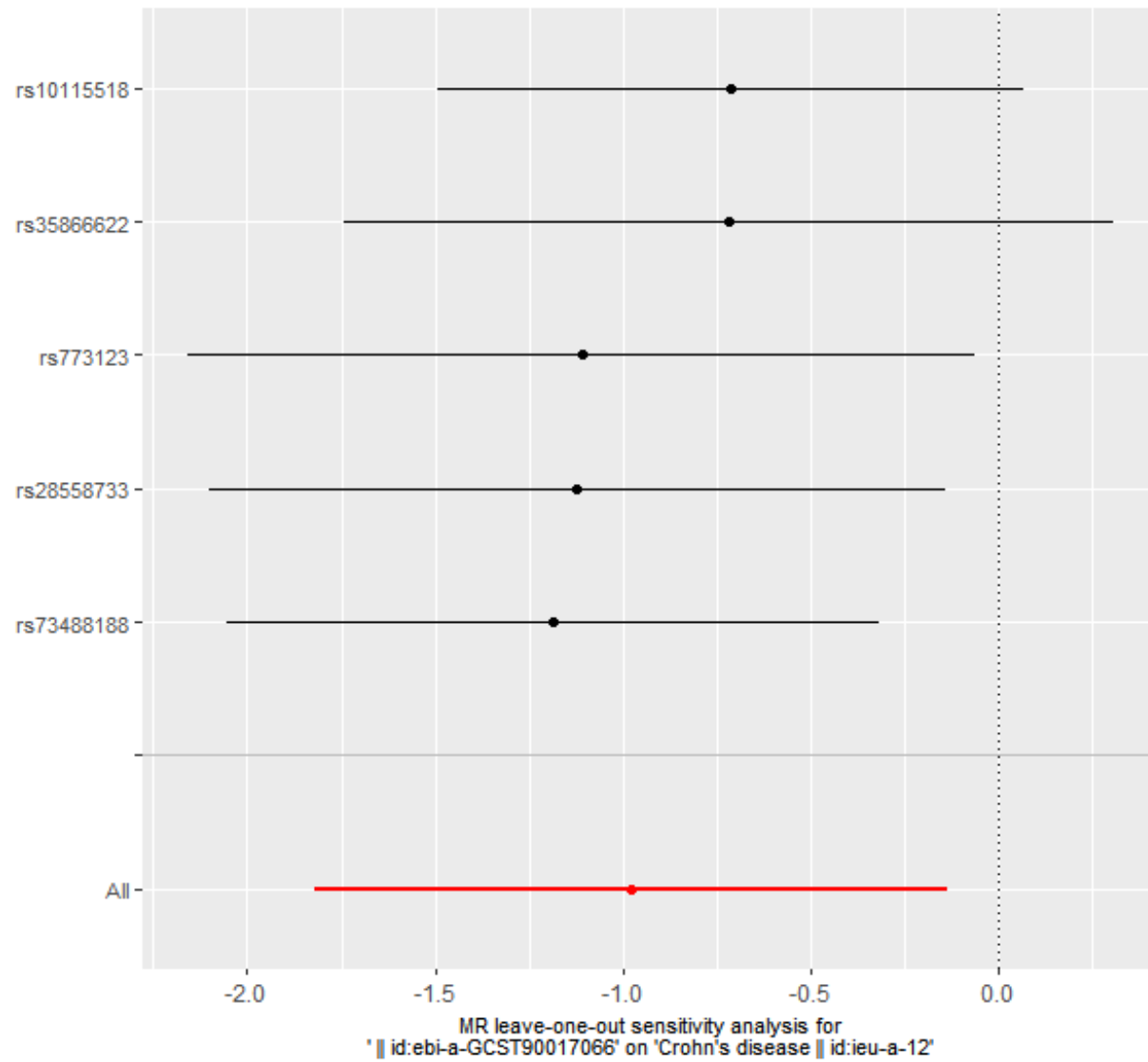
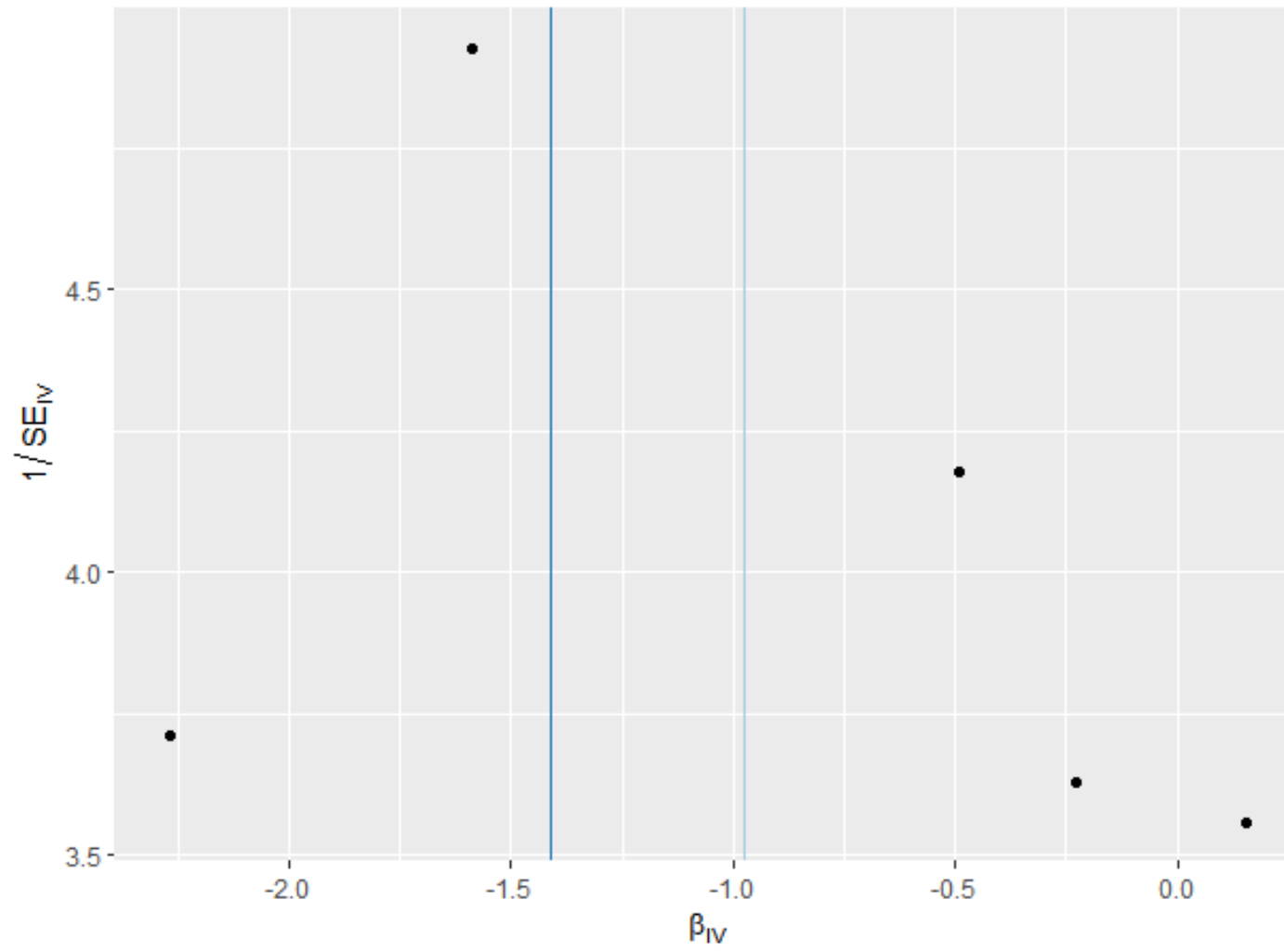


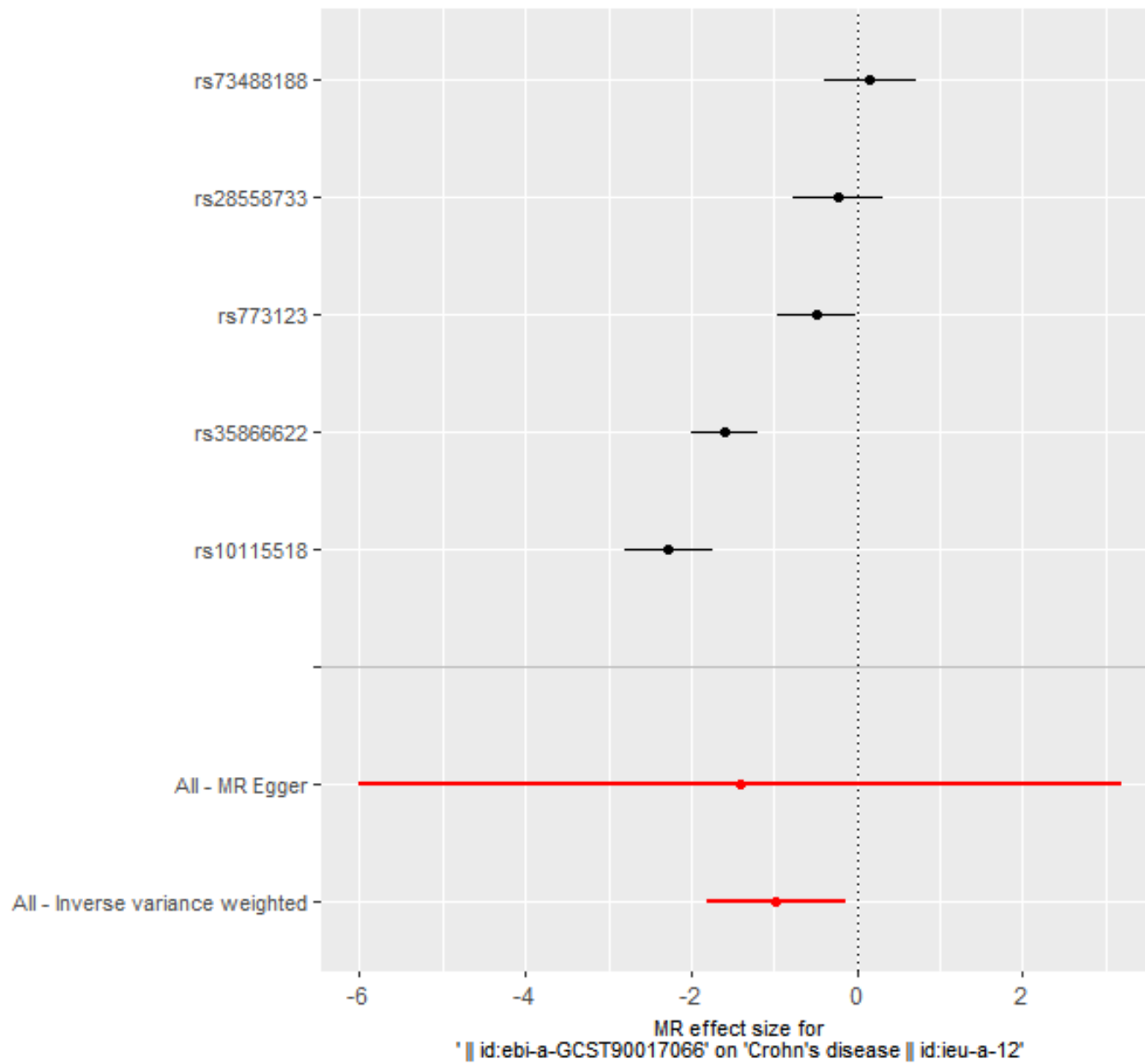
Figure 121 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcus torques group id.14377) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

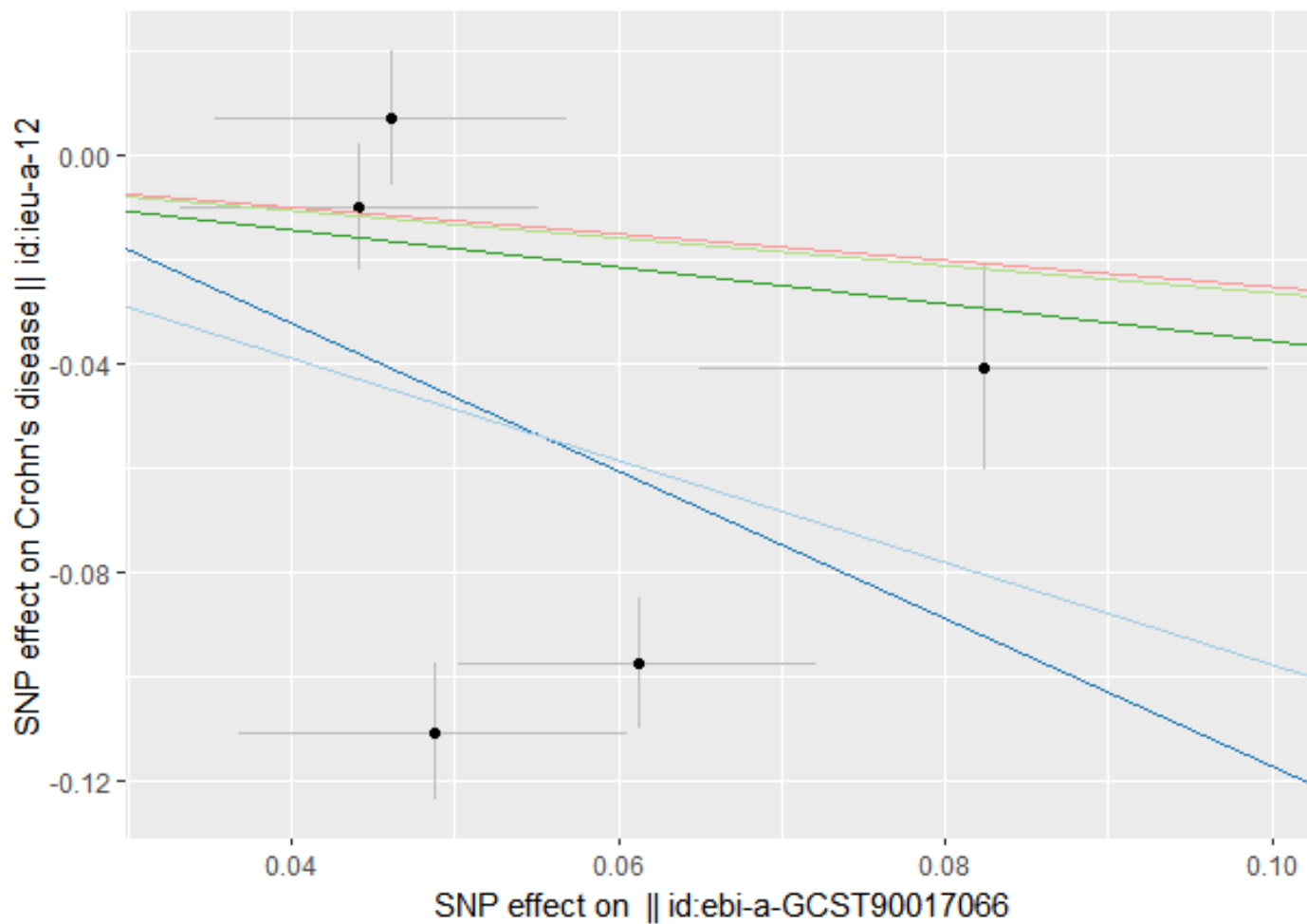
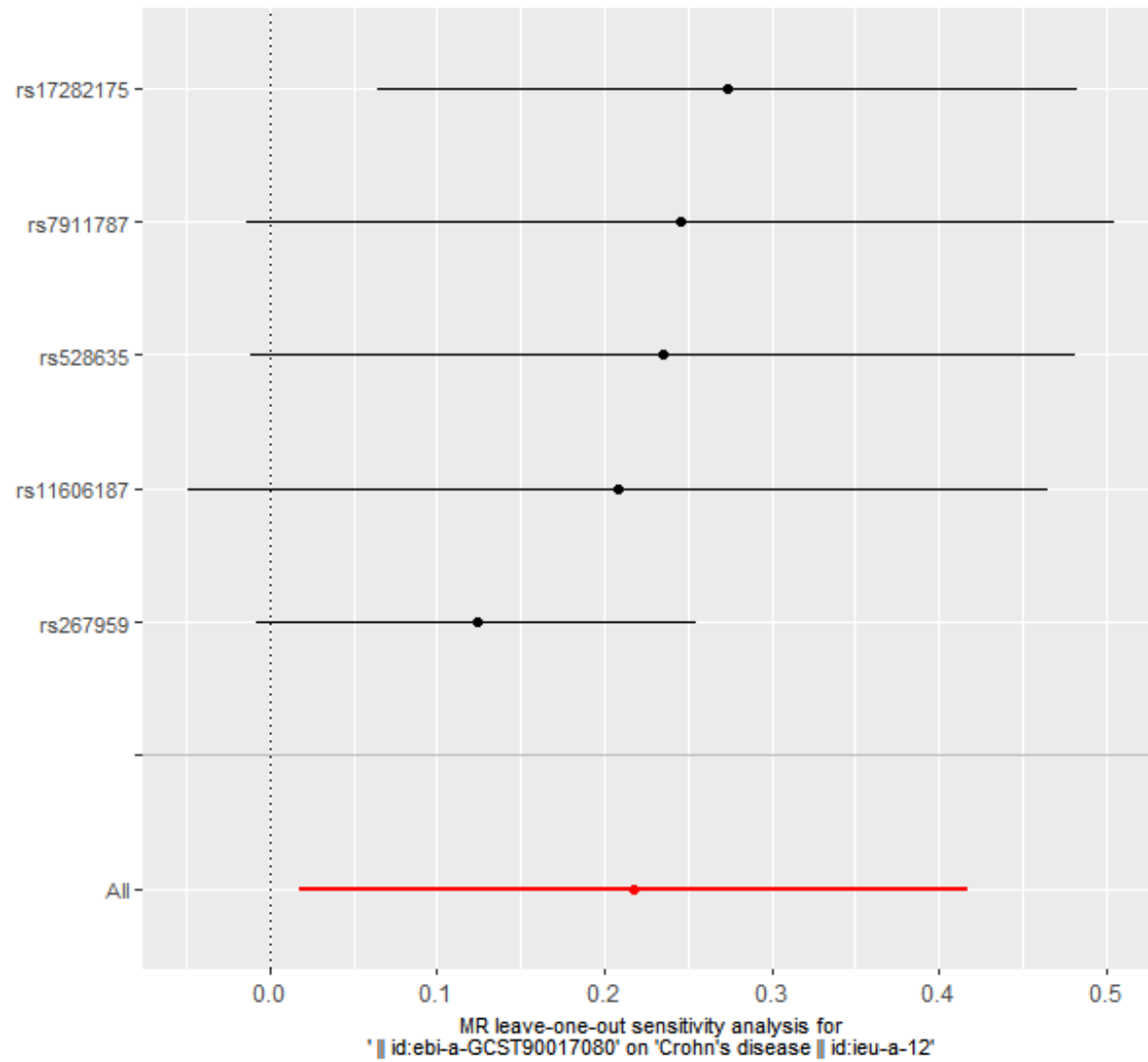
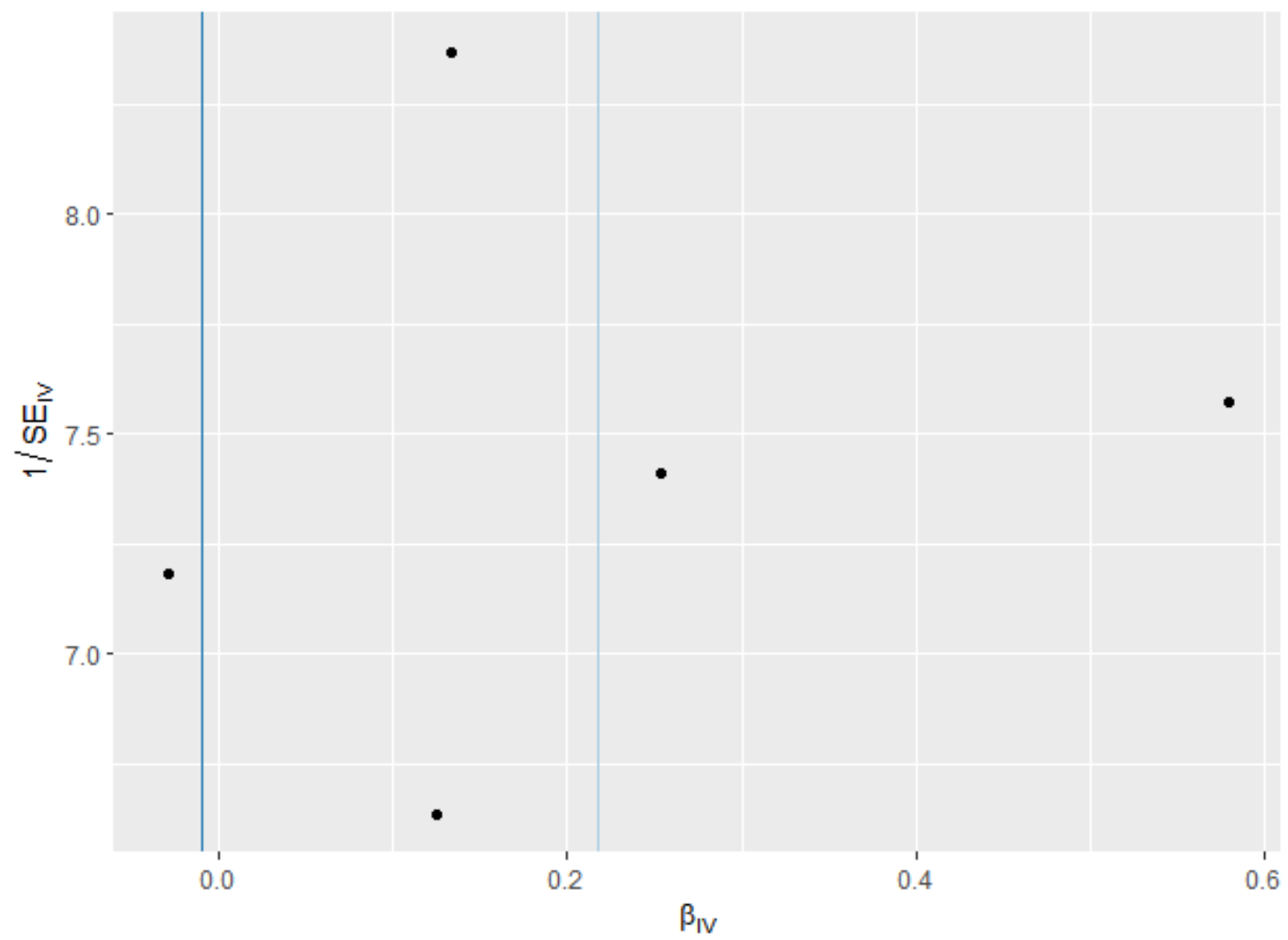


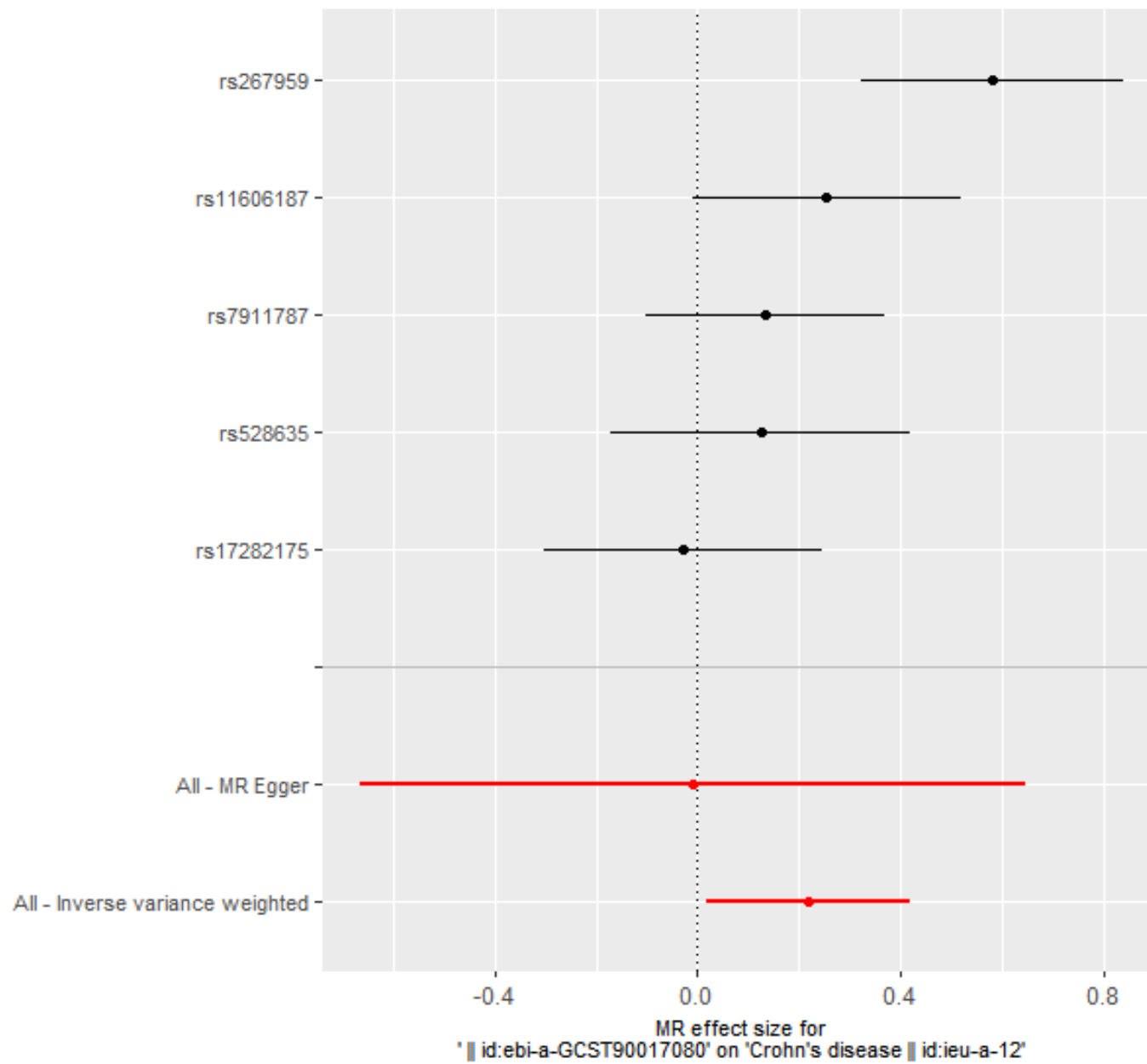
Figure 122 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.1000006162) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

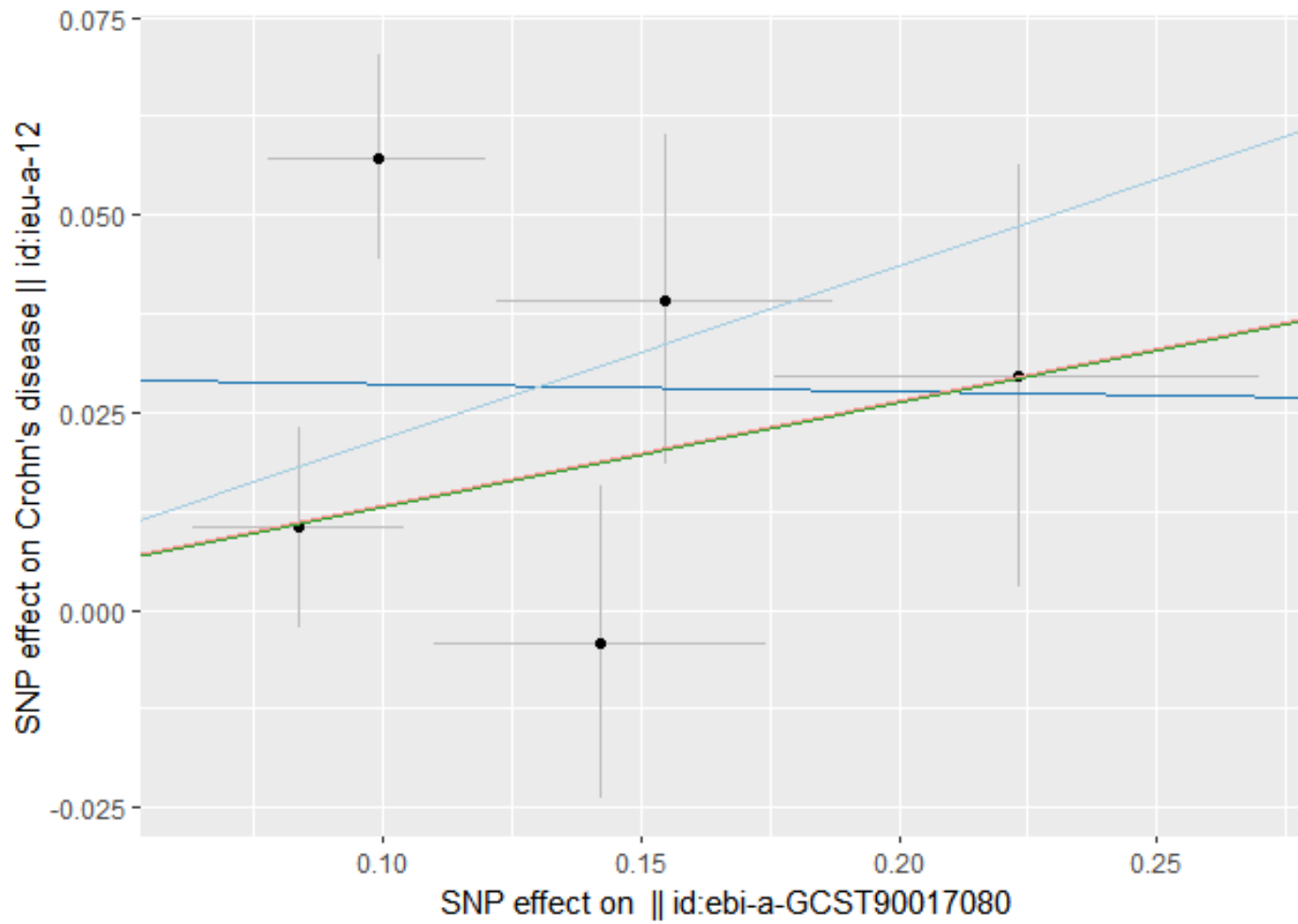
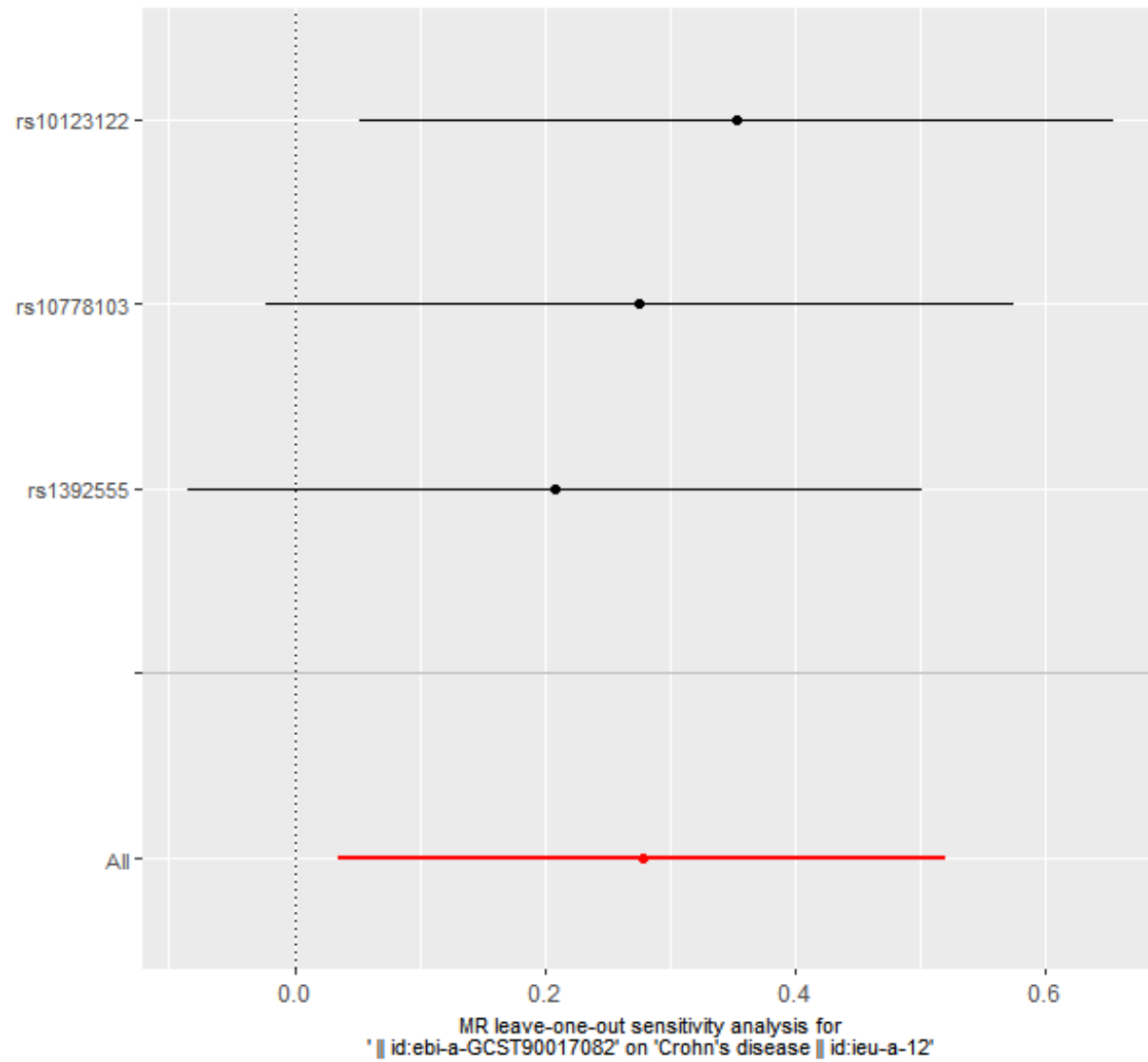
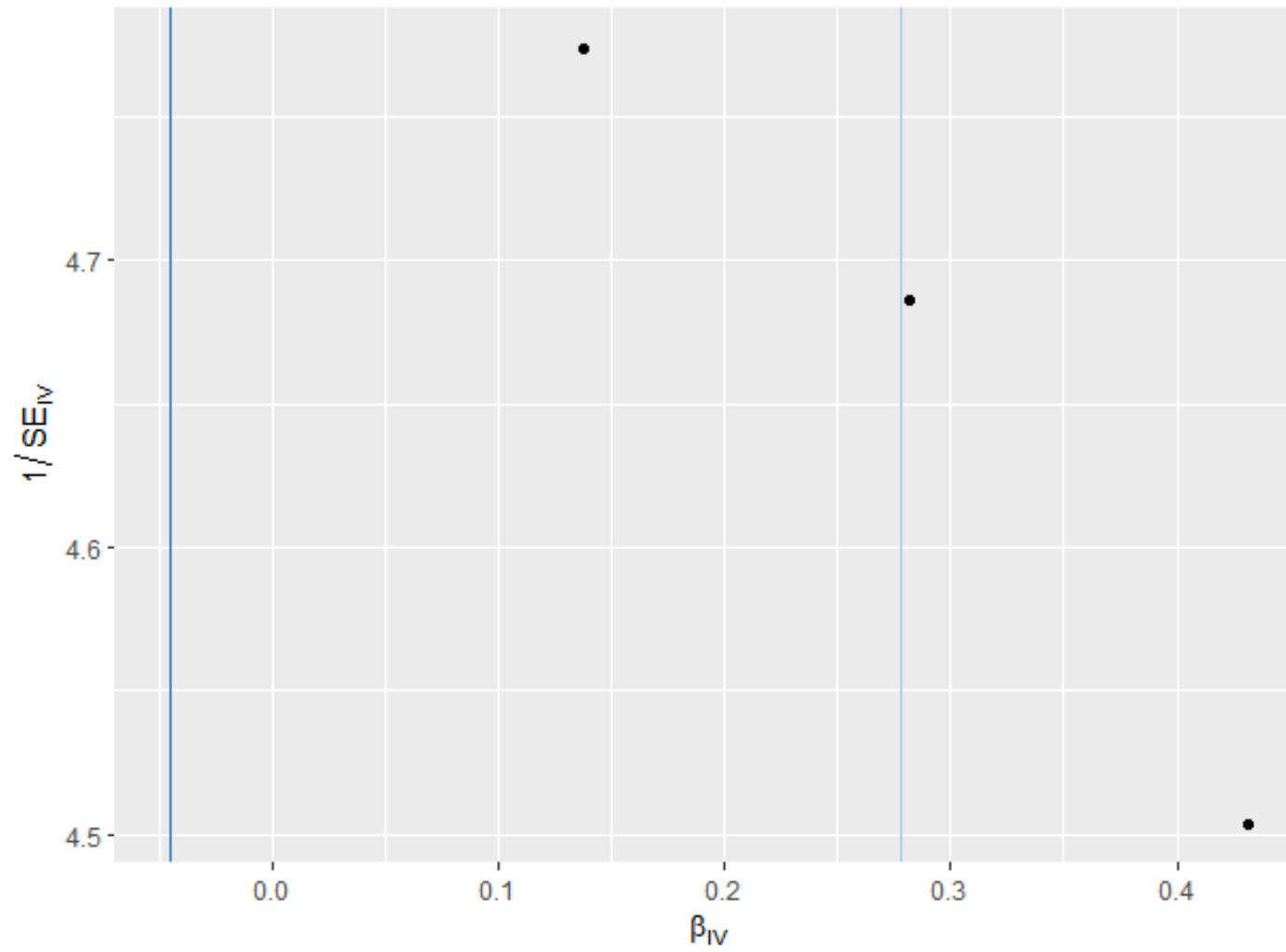


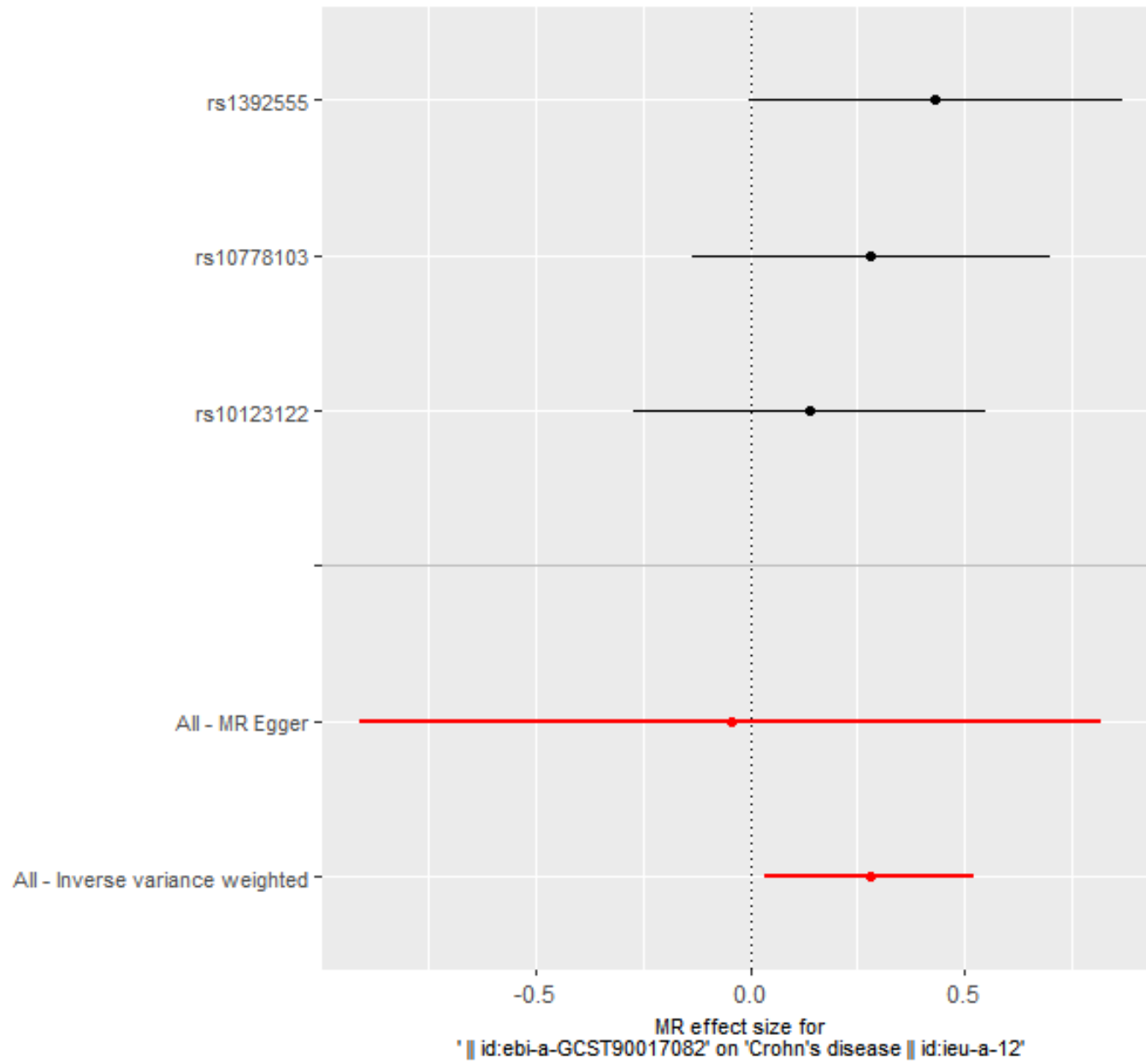
Figure 123 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.2001) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

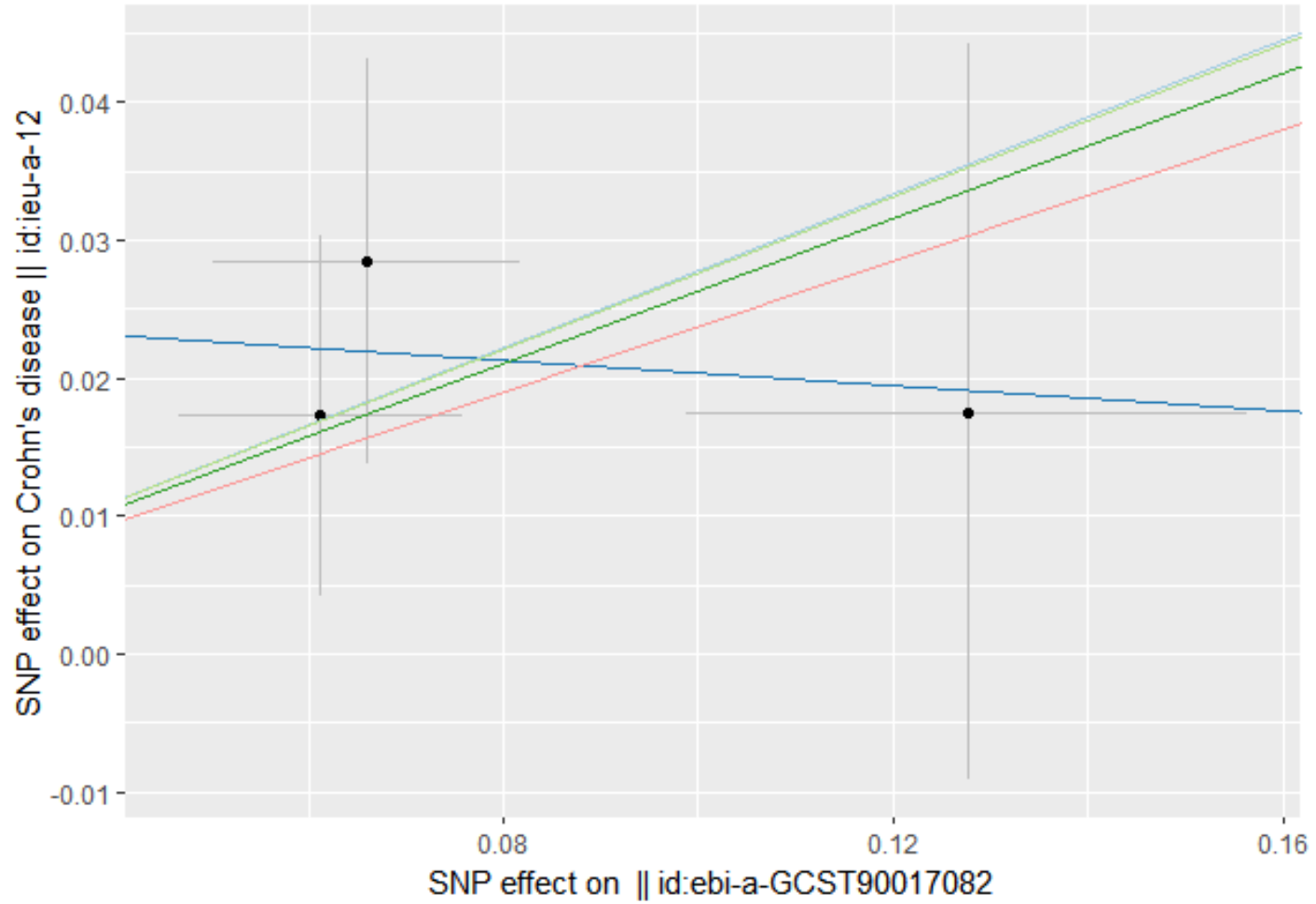
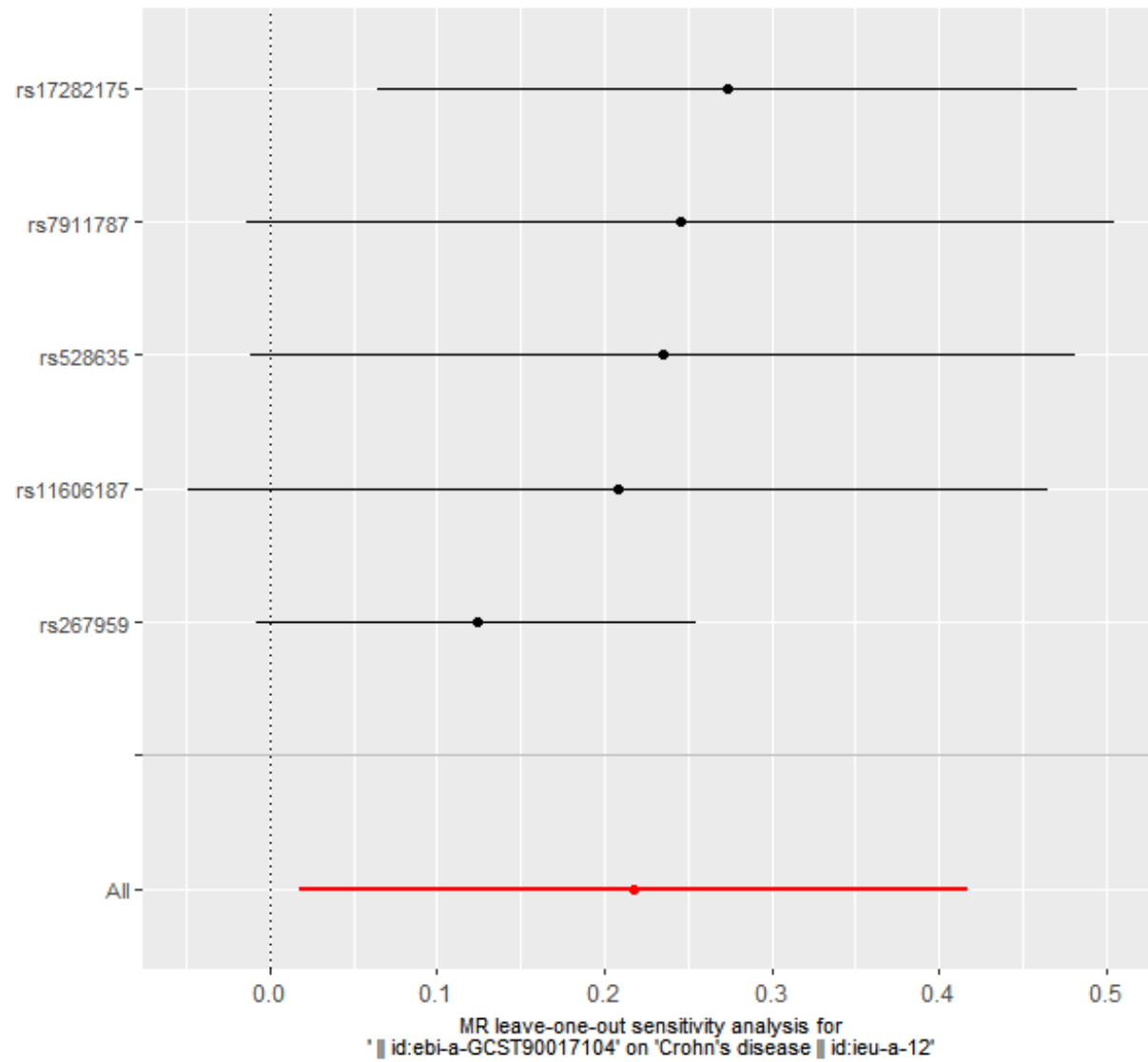
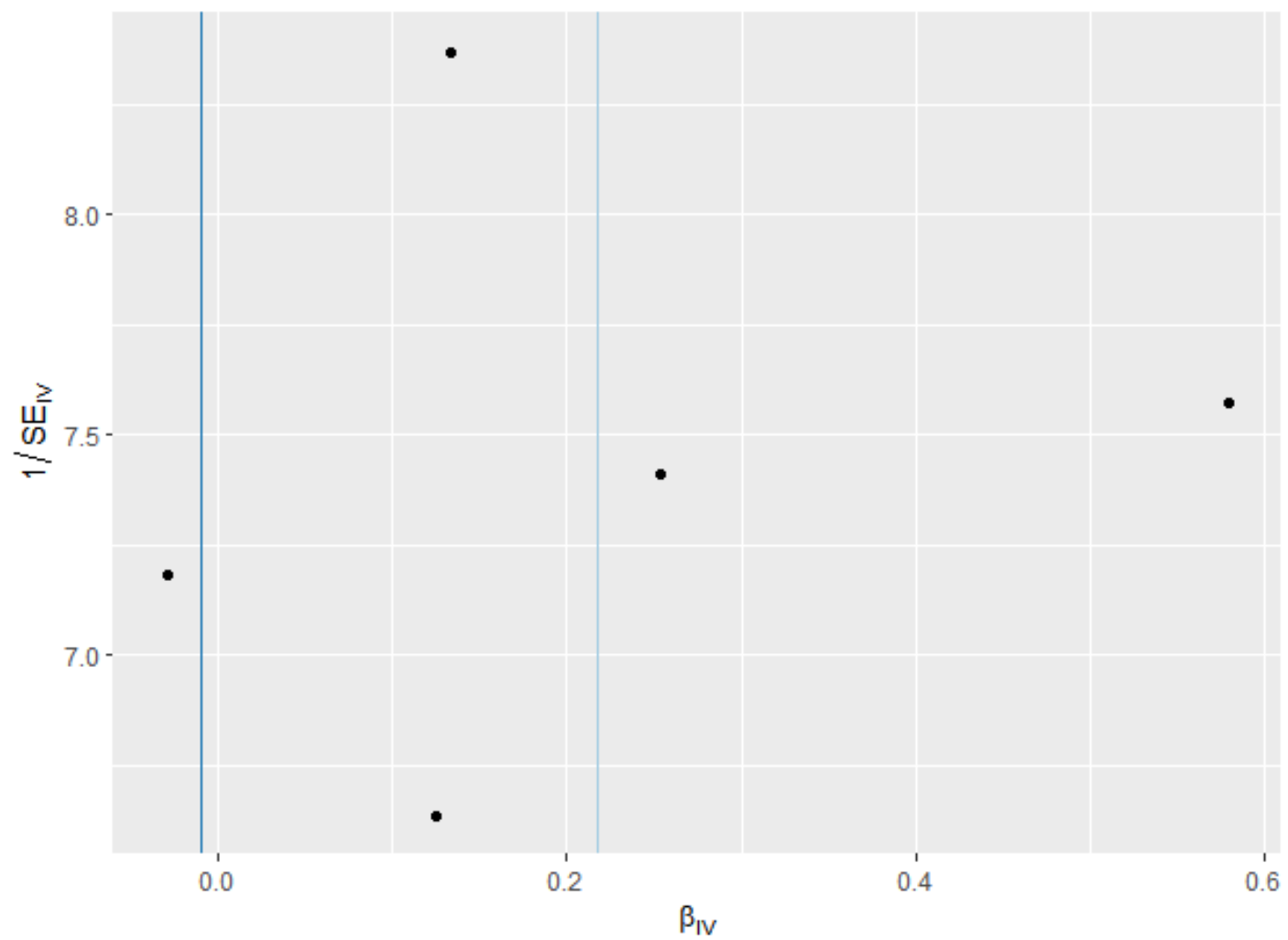


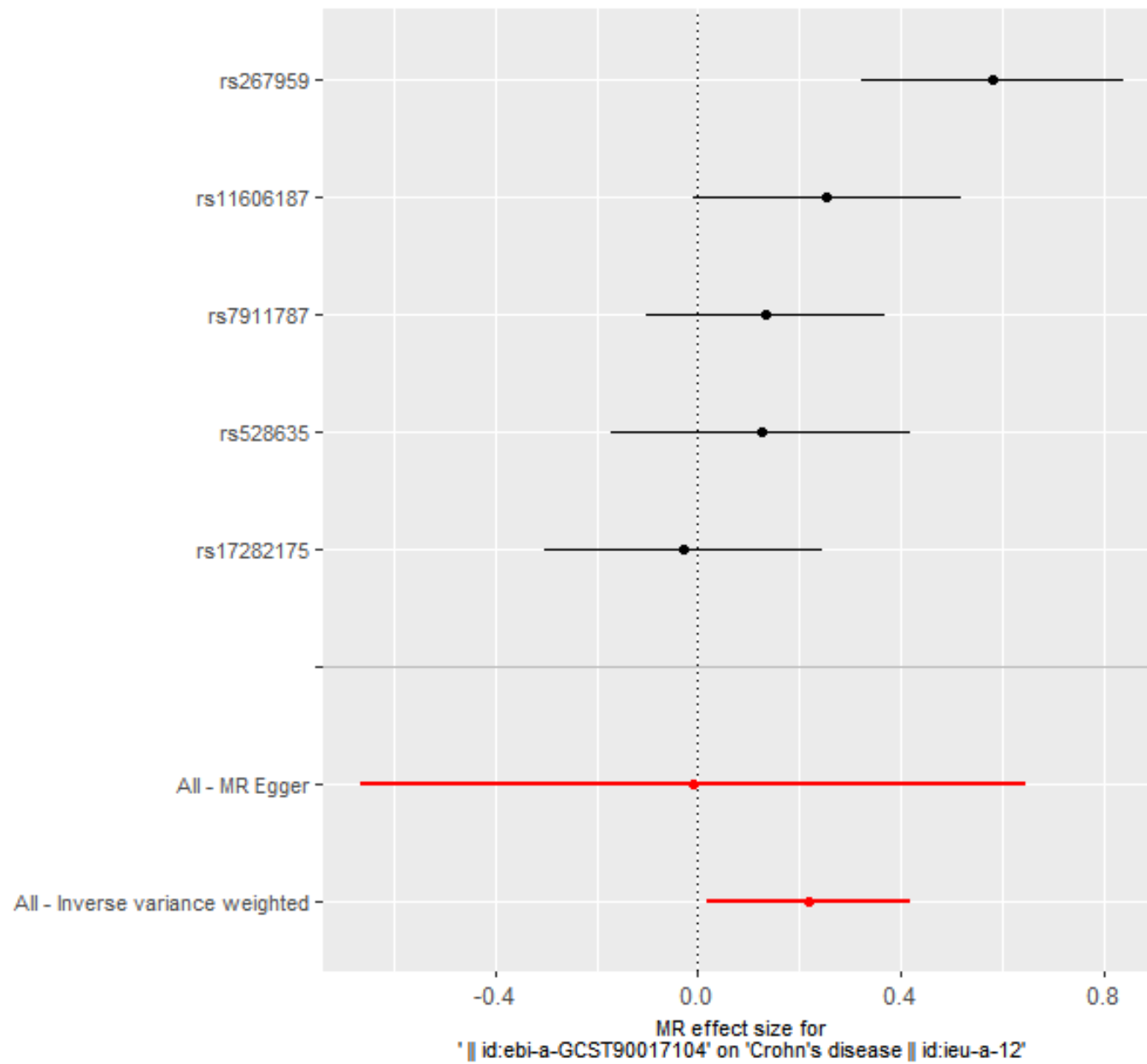
Figure 124 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order NB1n id.3953) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

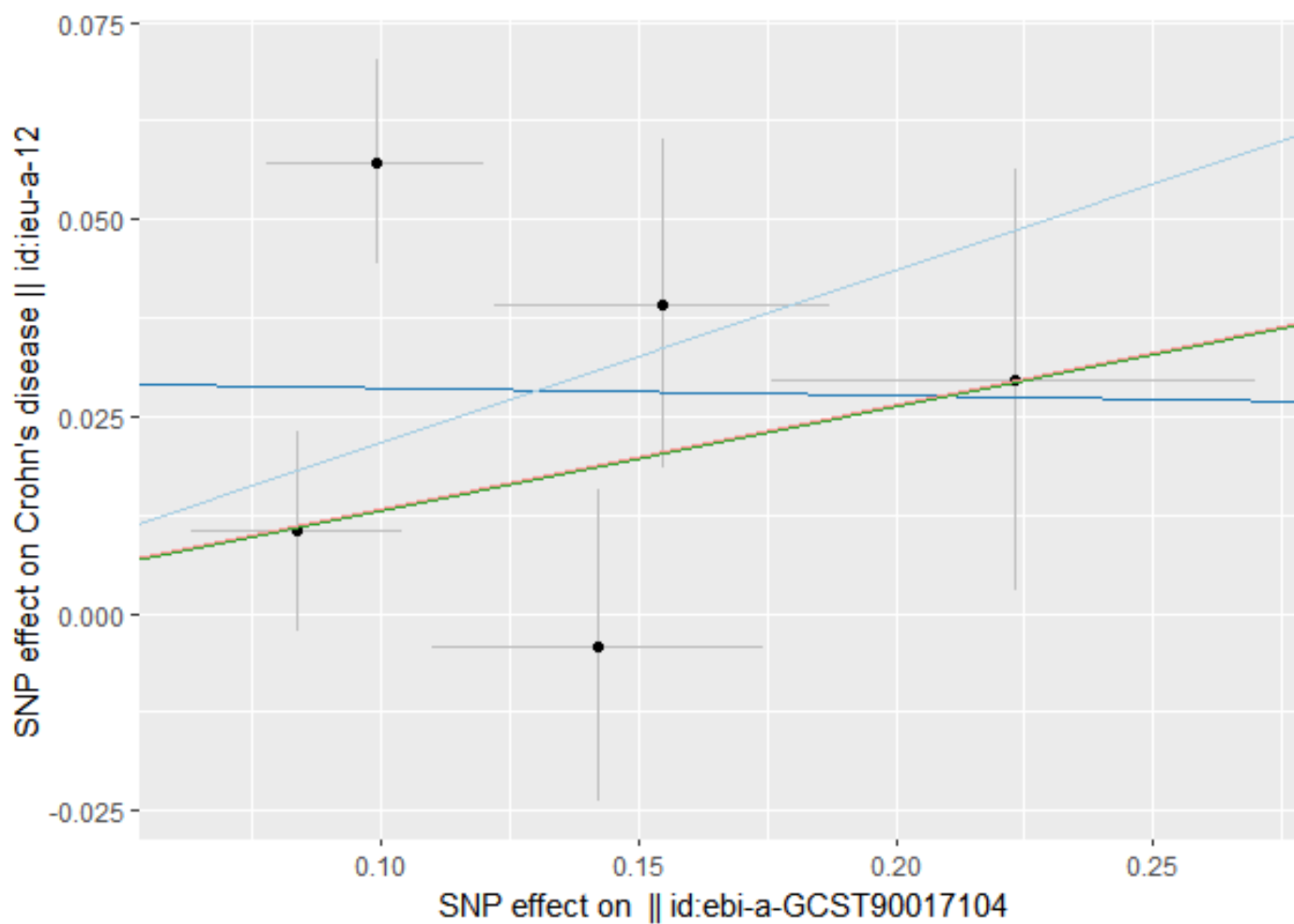
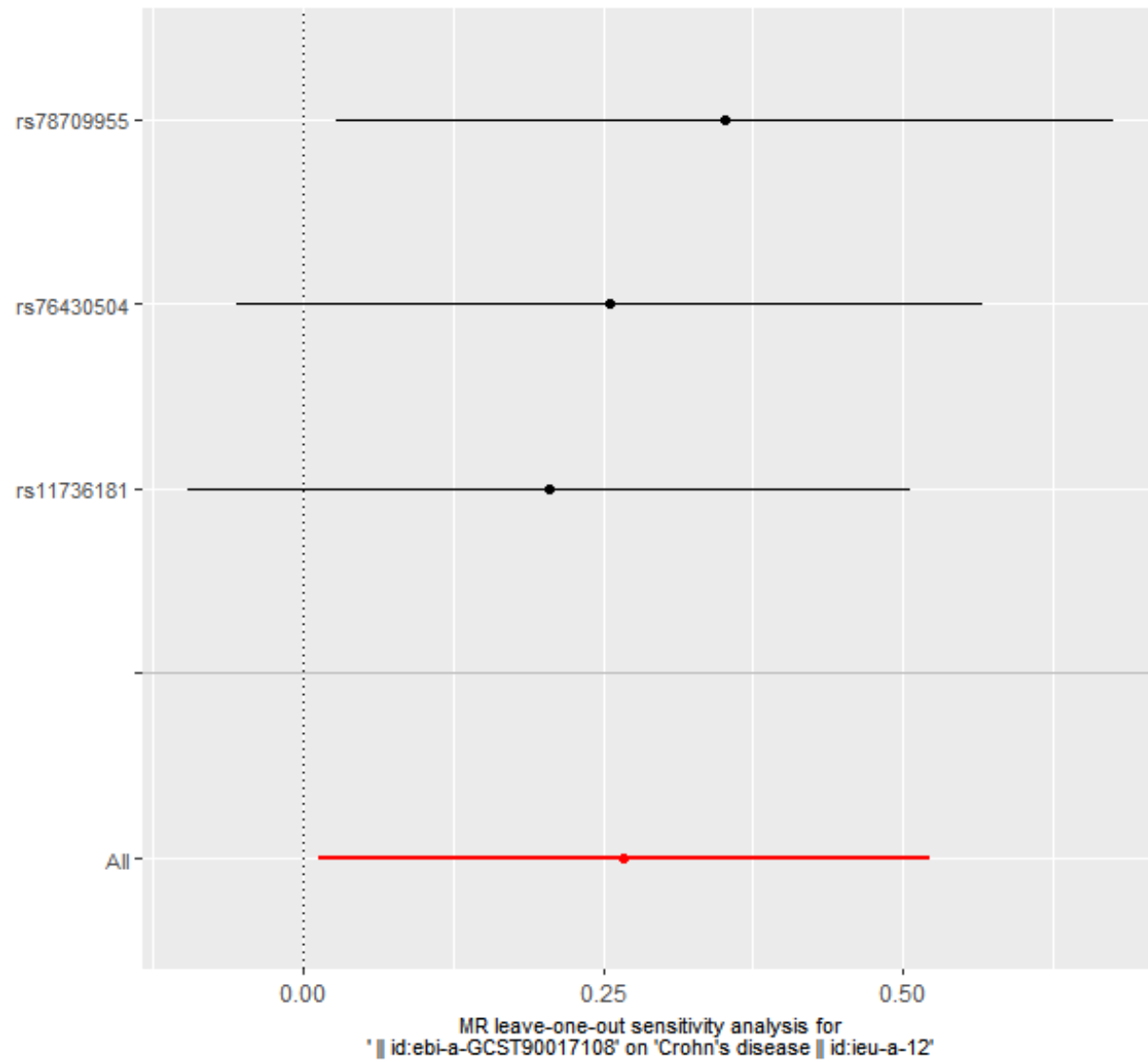
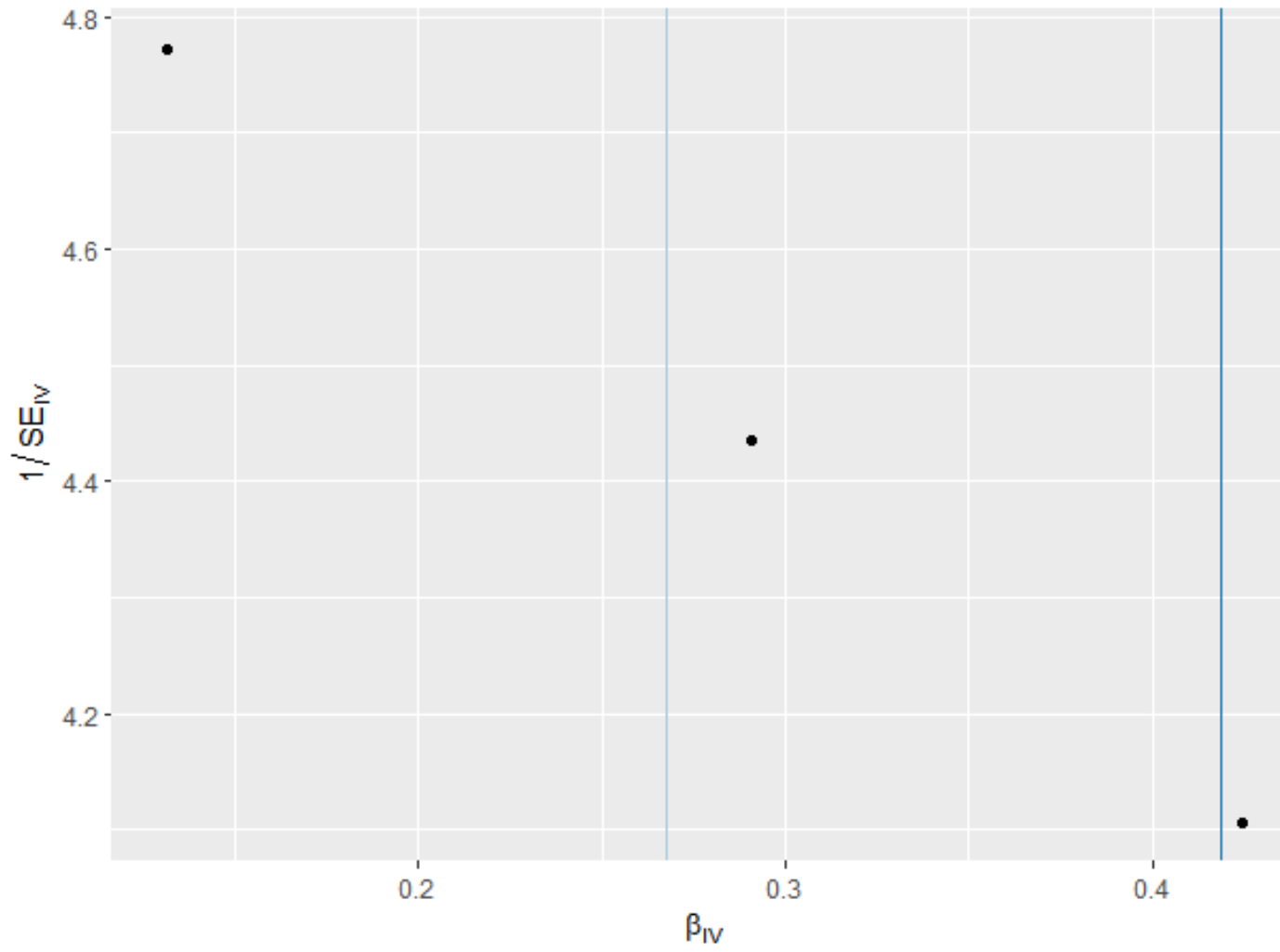


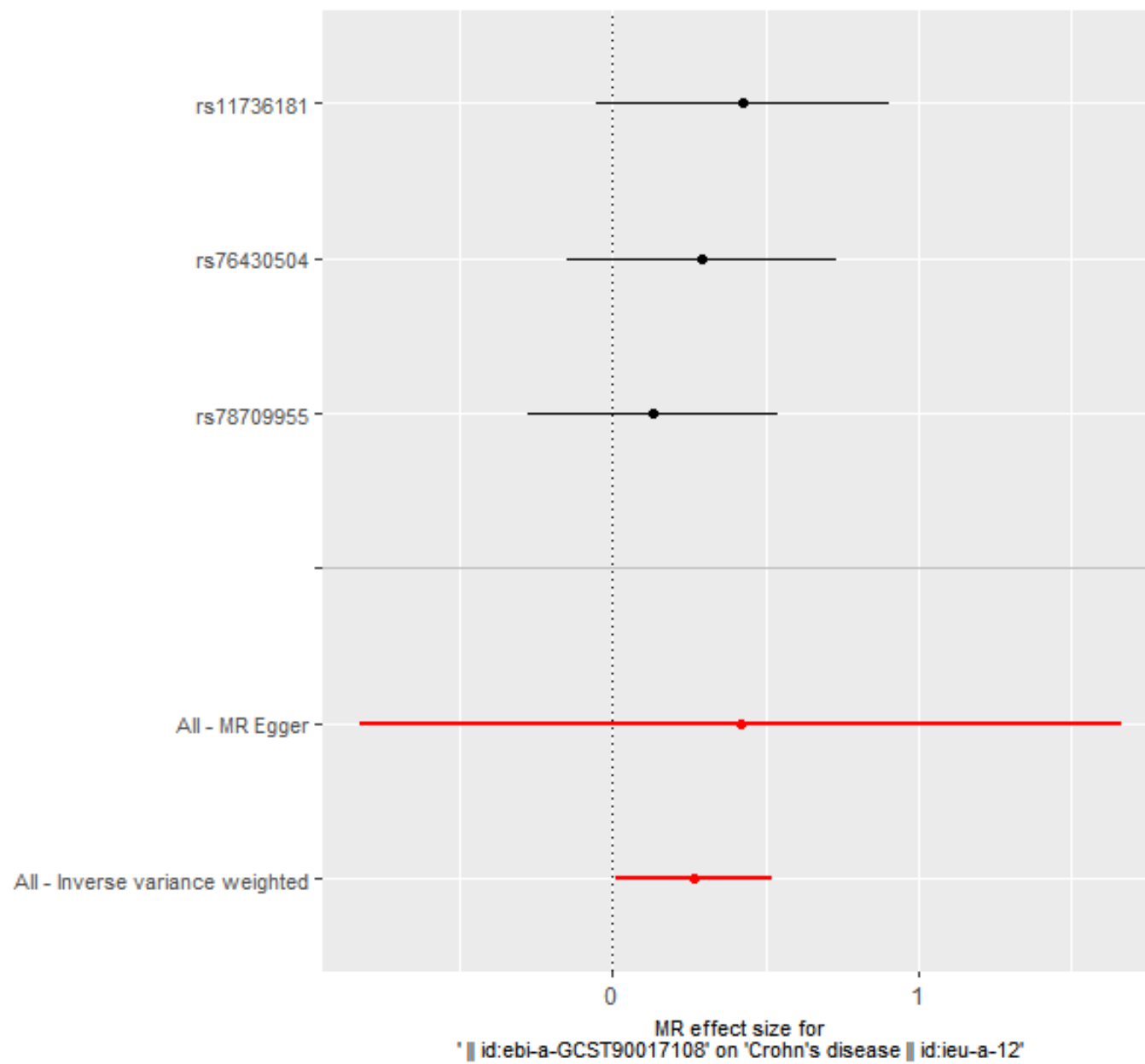
Figure 125 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Verrucomicrobiales id.4030) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

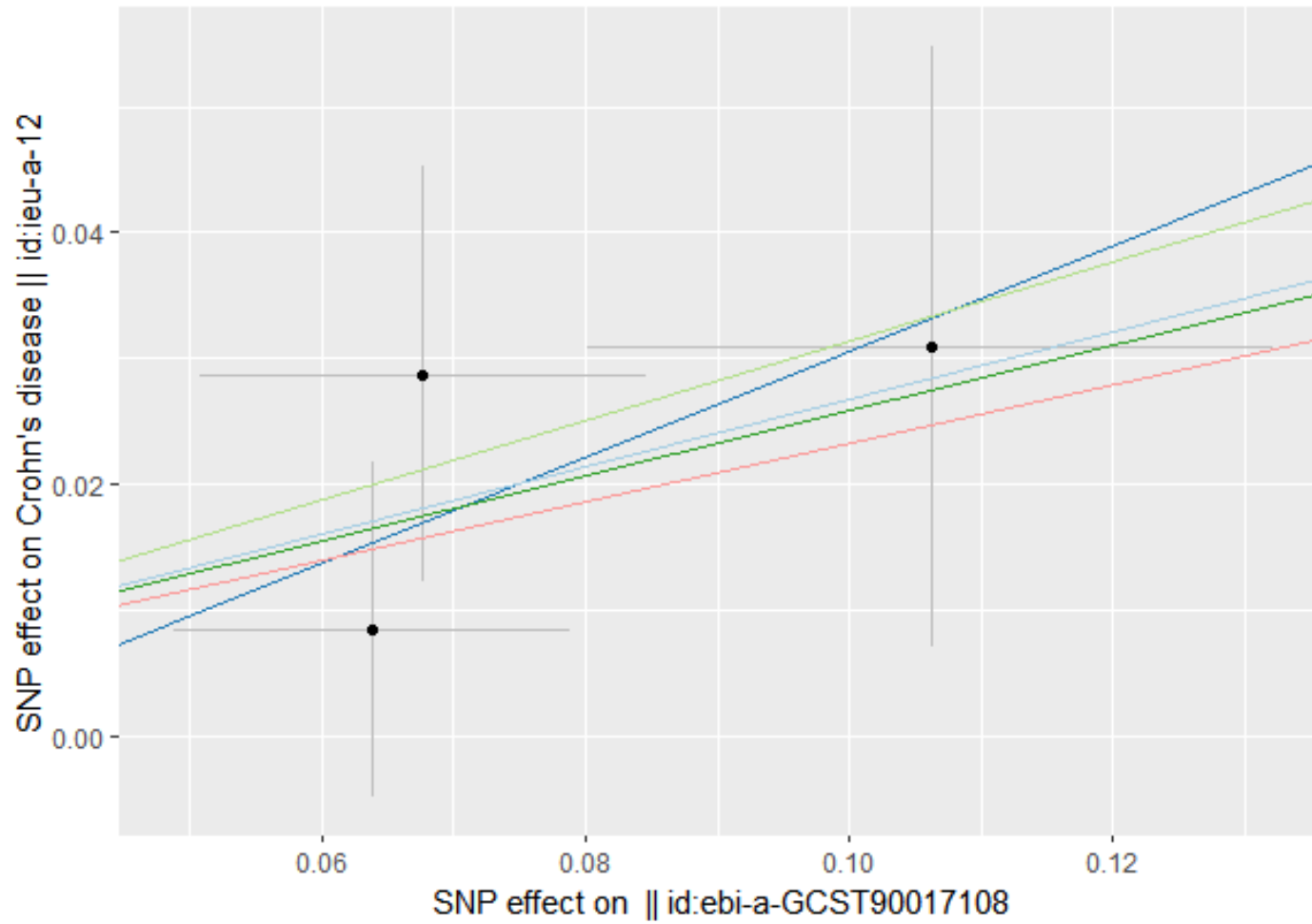
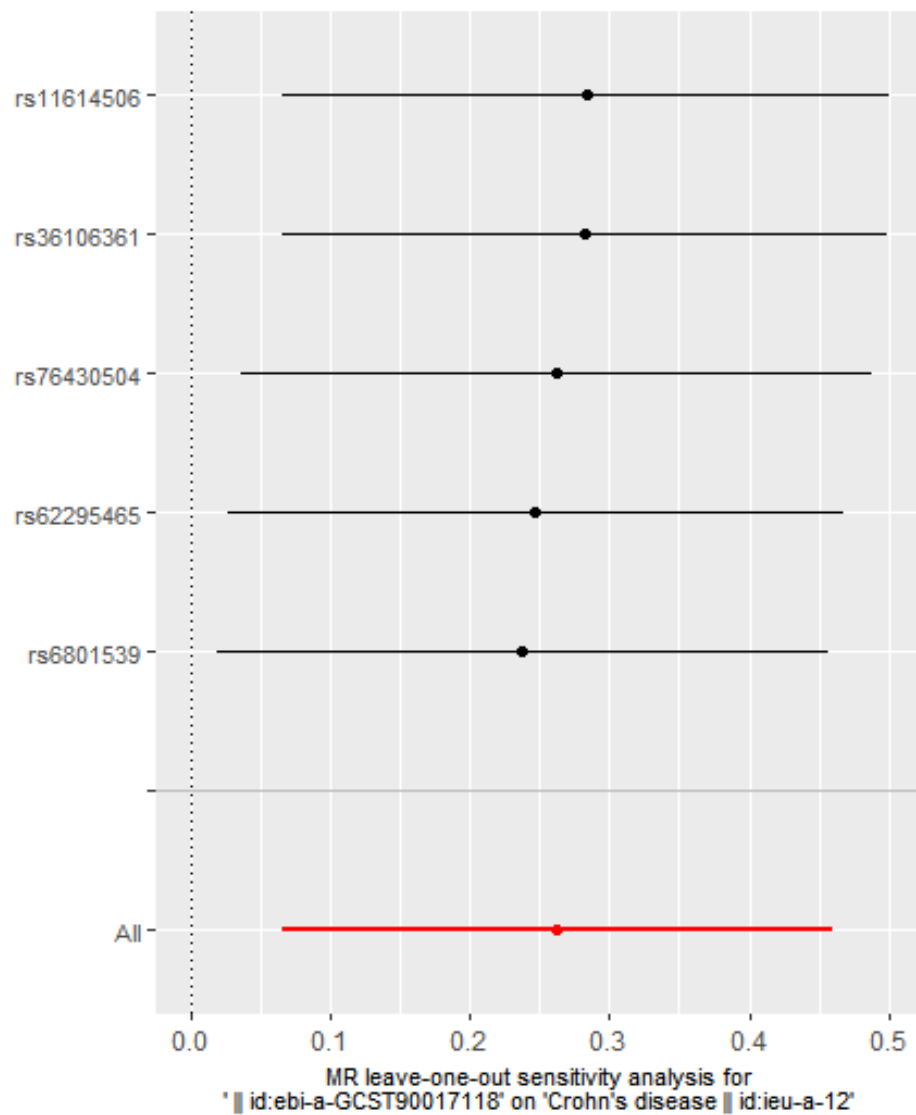
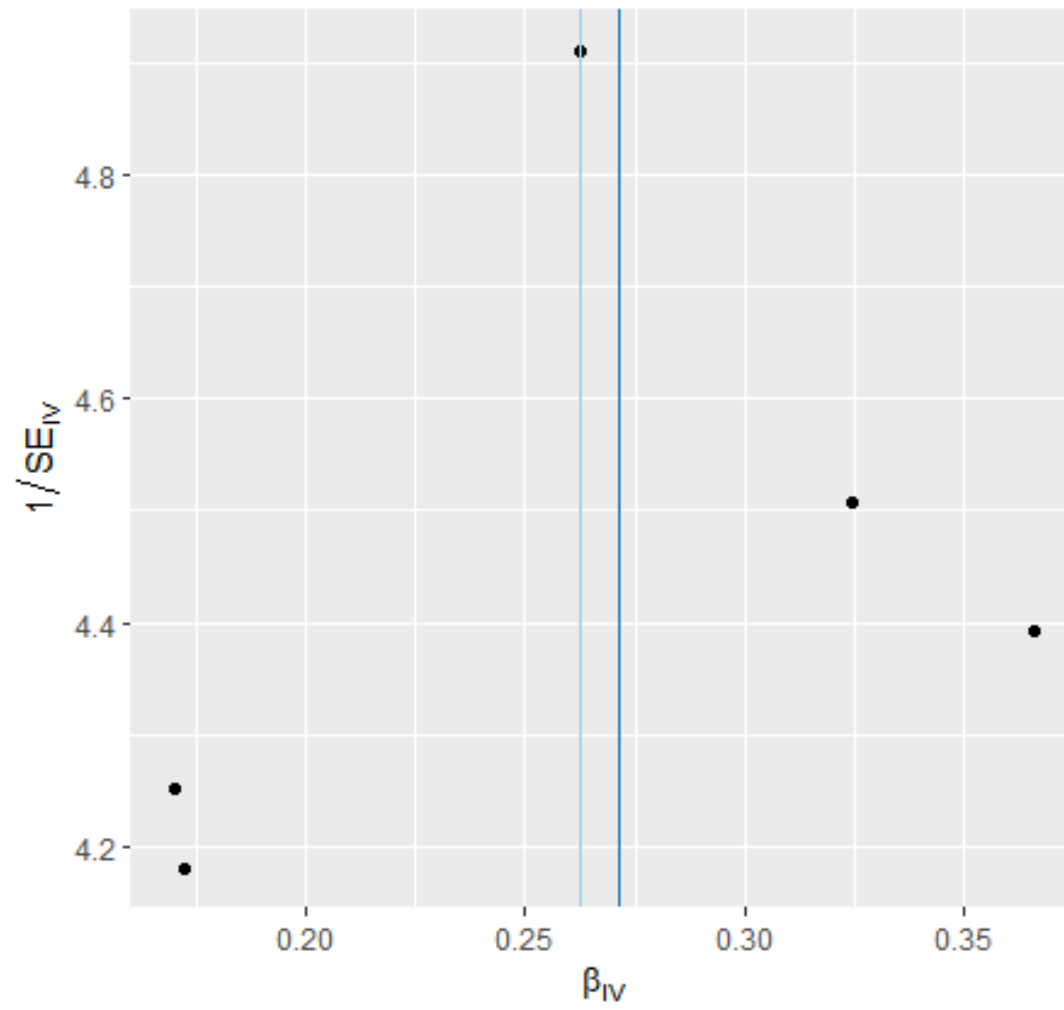


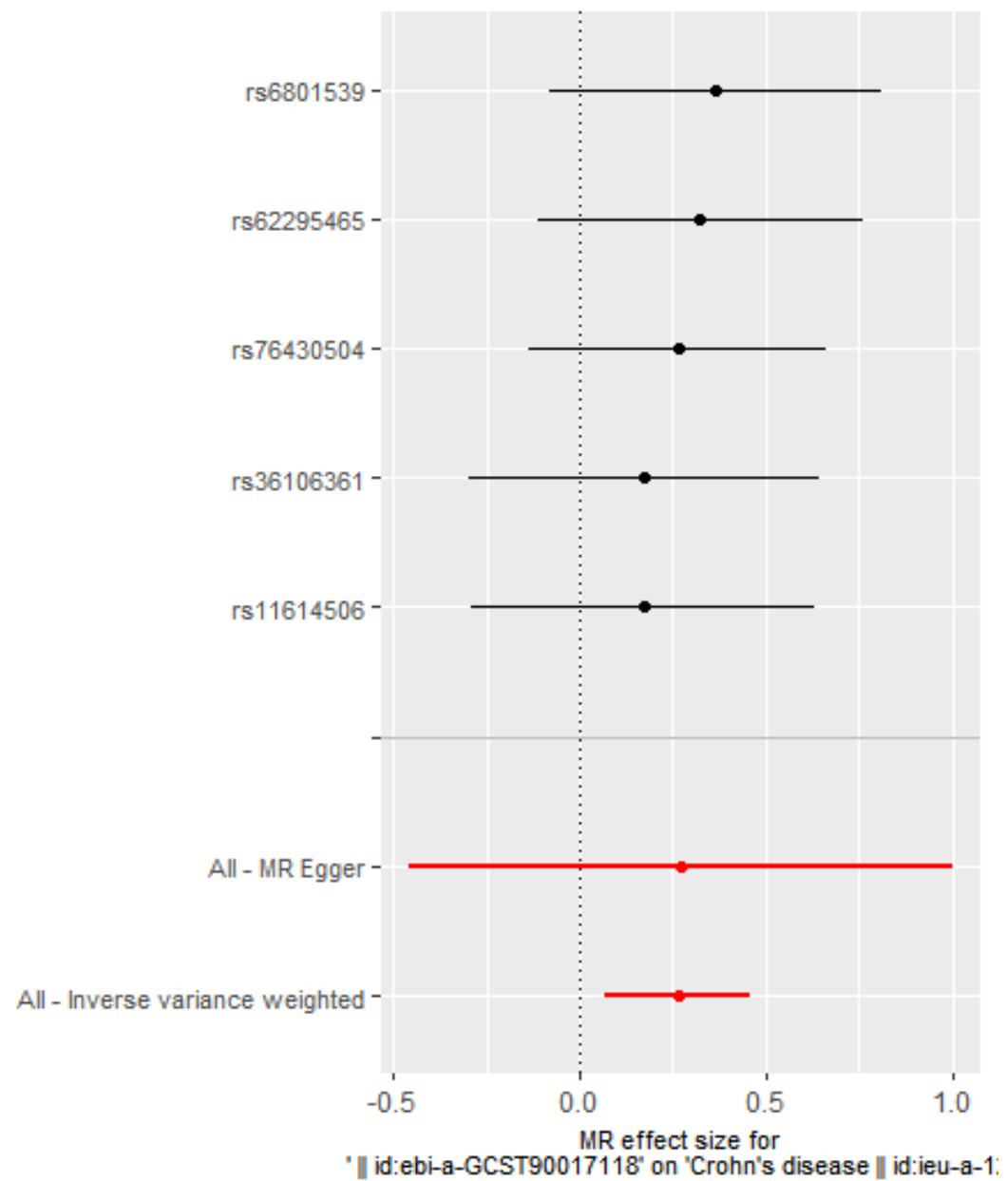
Figure 126 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Verrucomicrobia id.3982) on crohn's disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

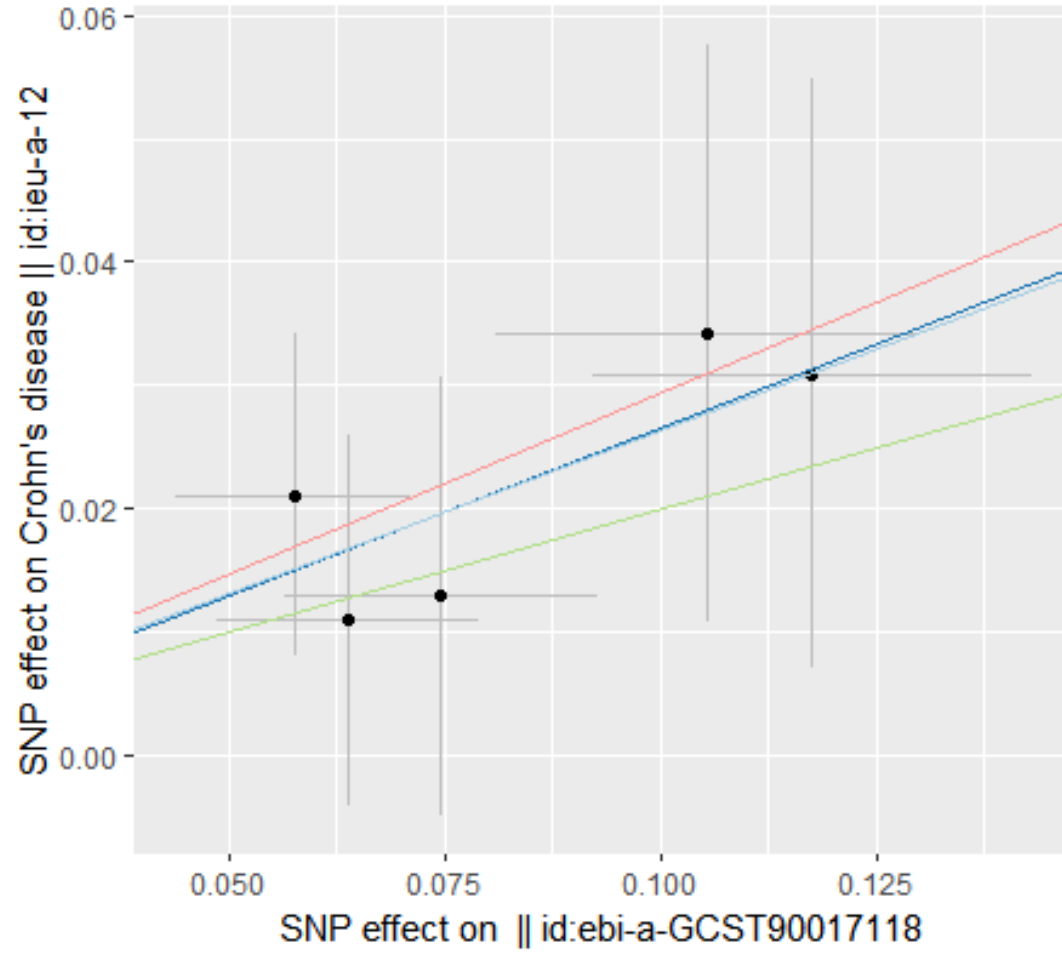
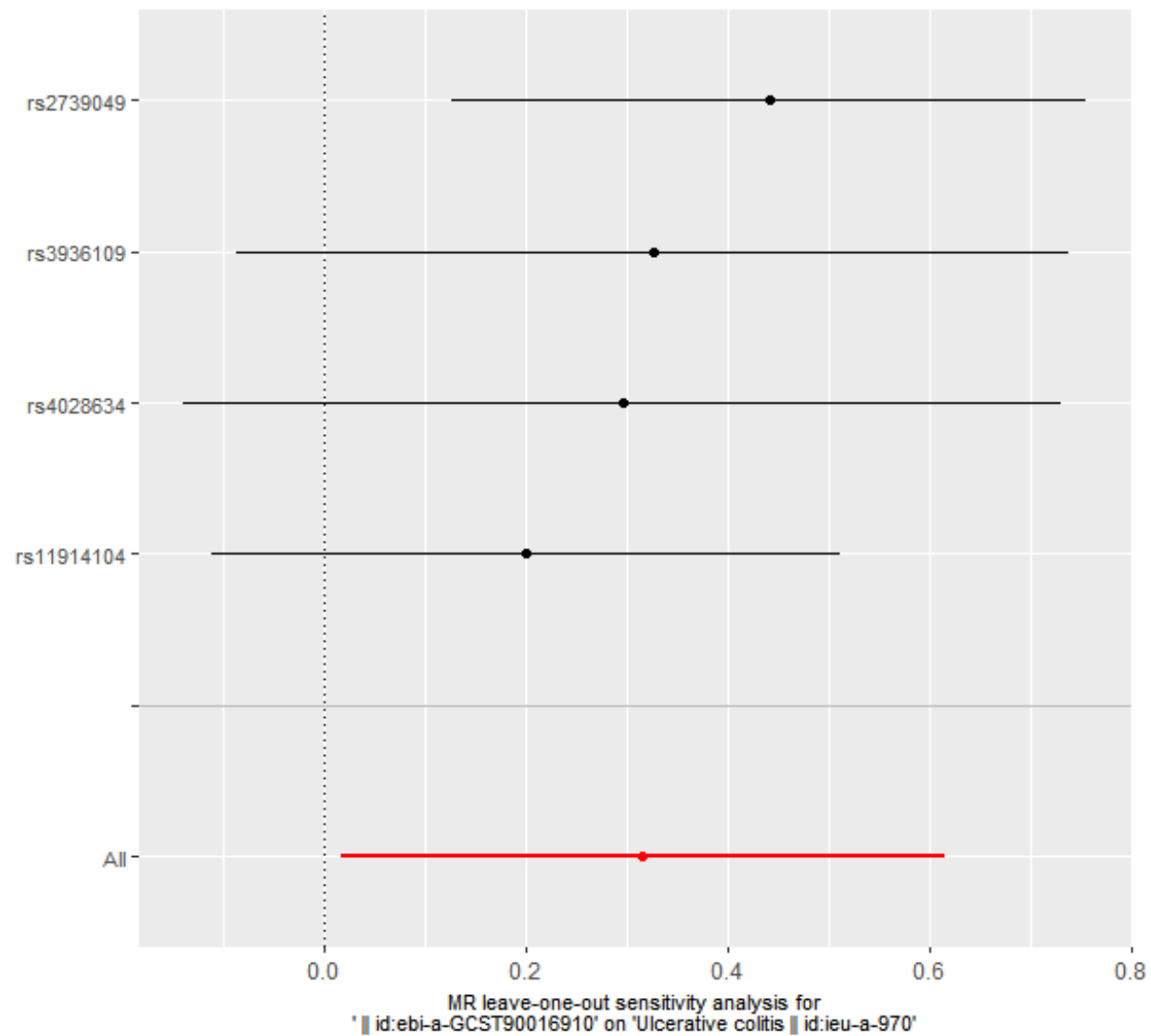
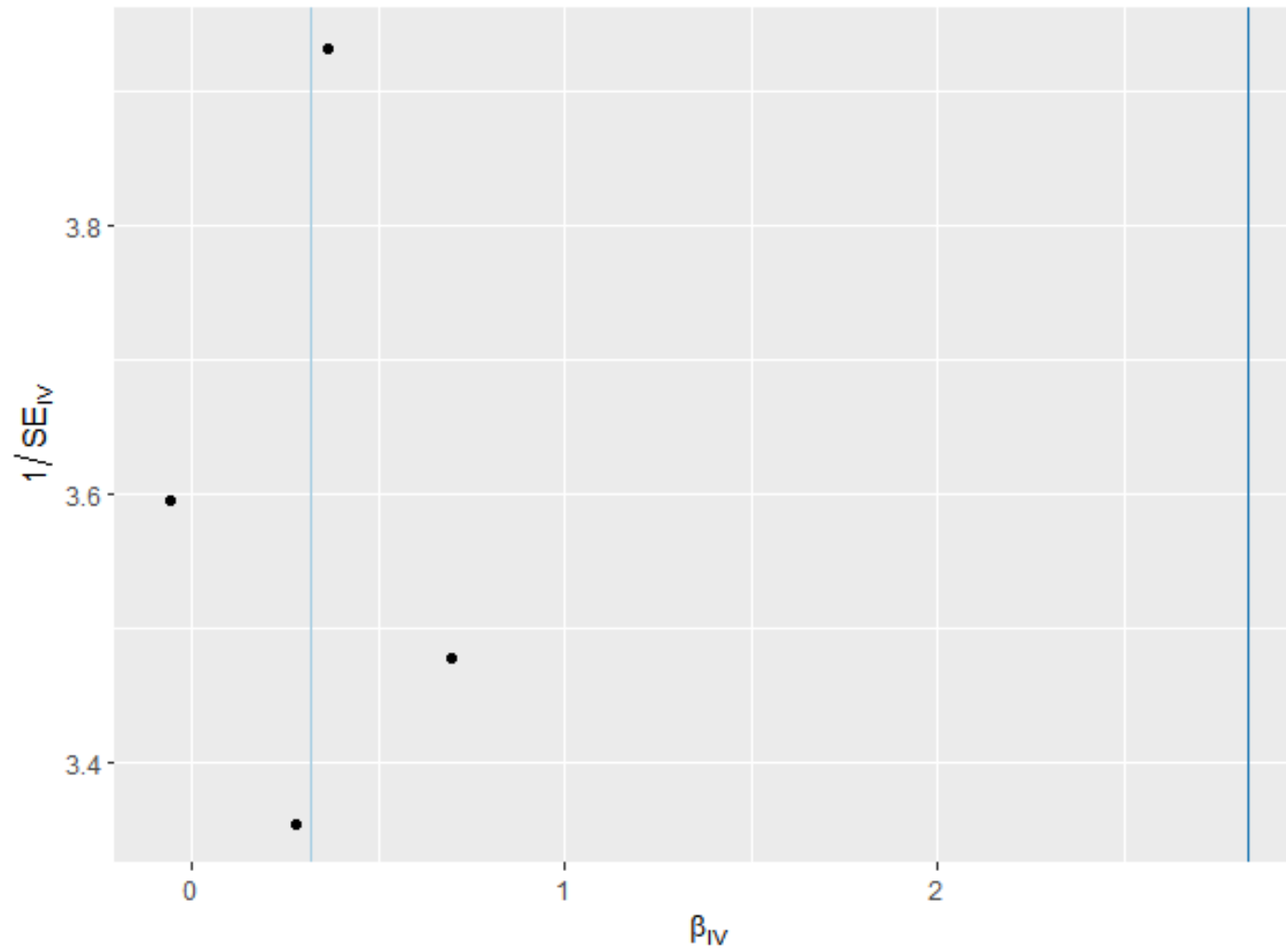


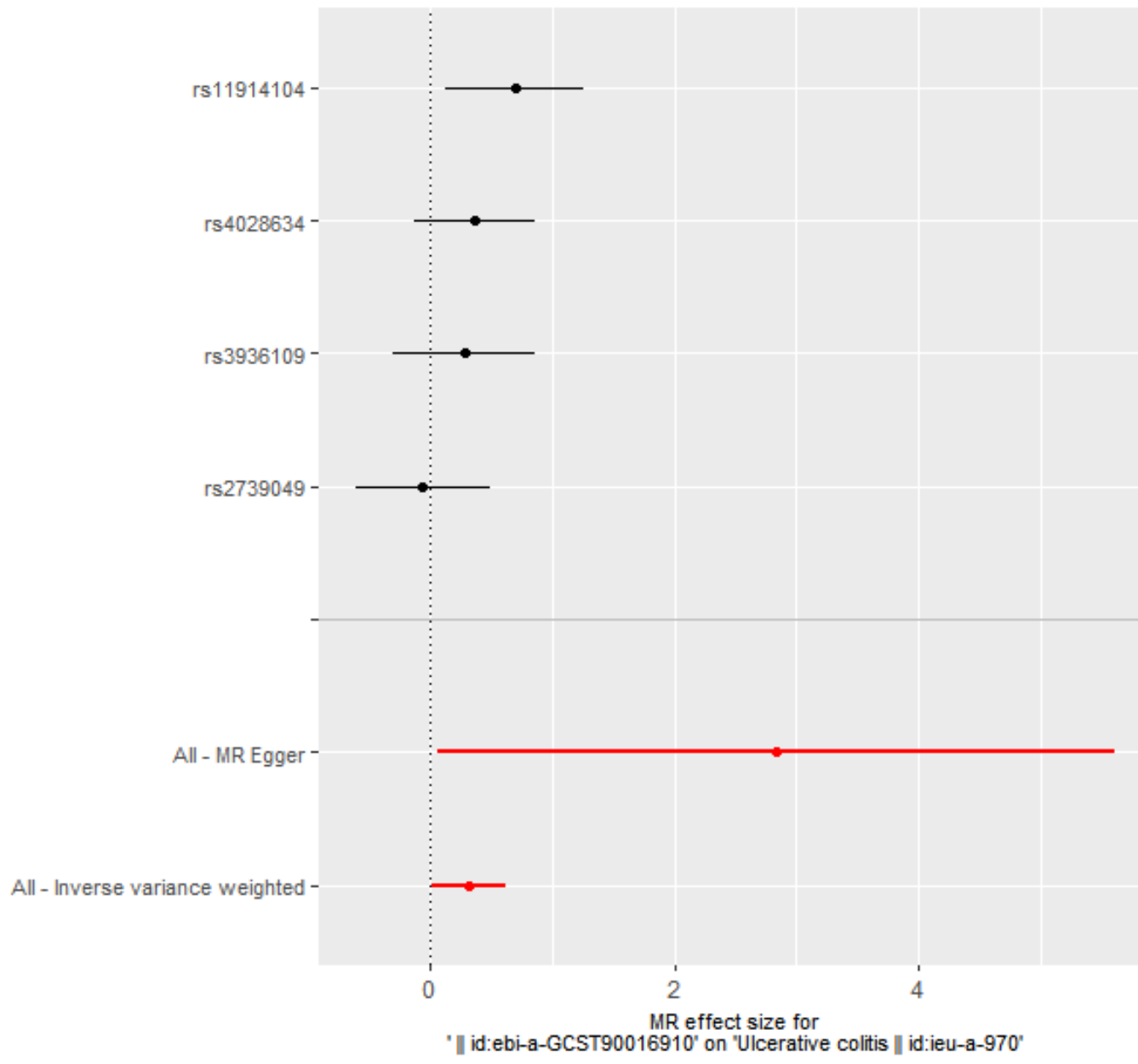
Figure 127 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Bacilli id.1673) on ulcerative colitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

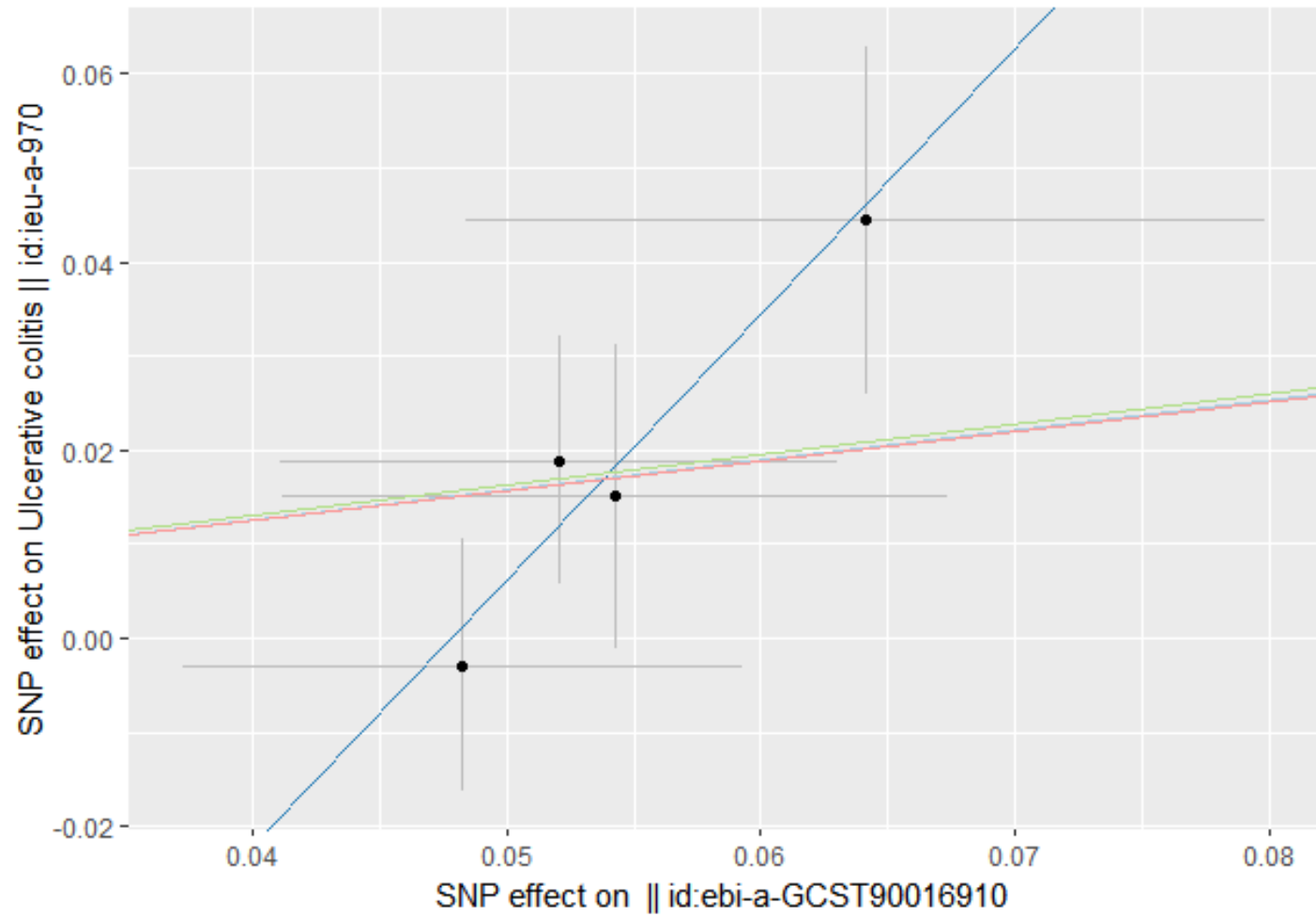
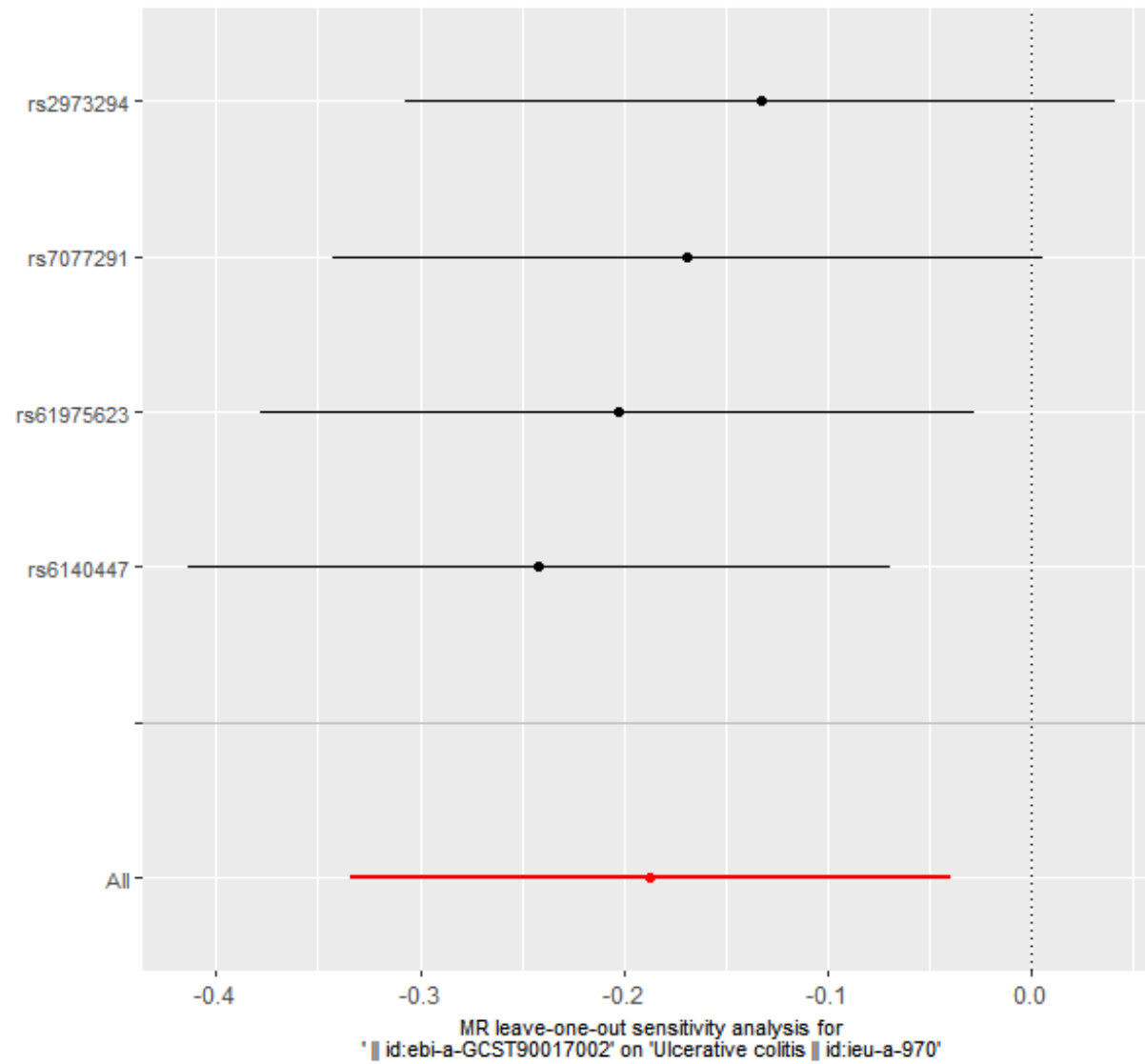
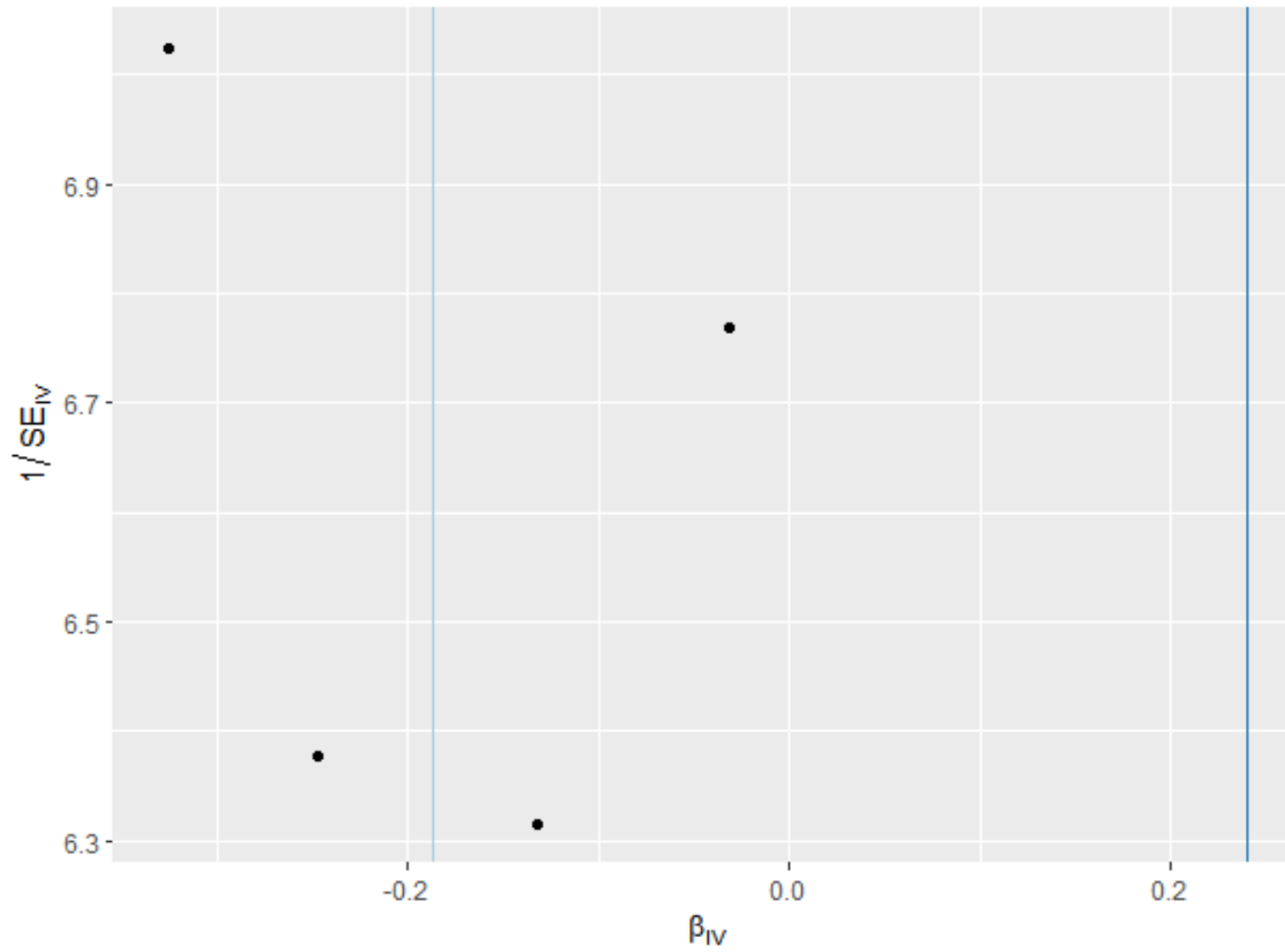


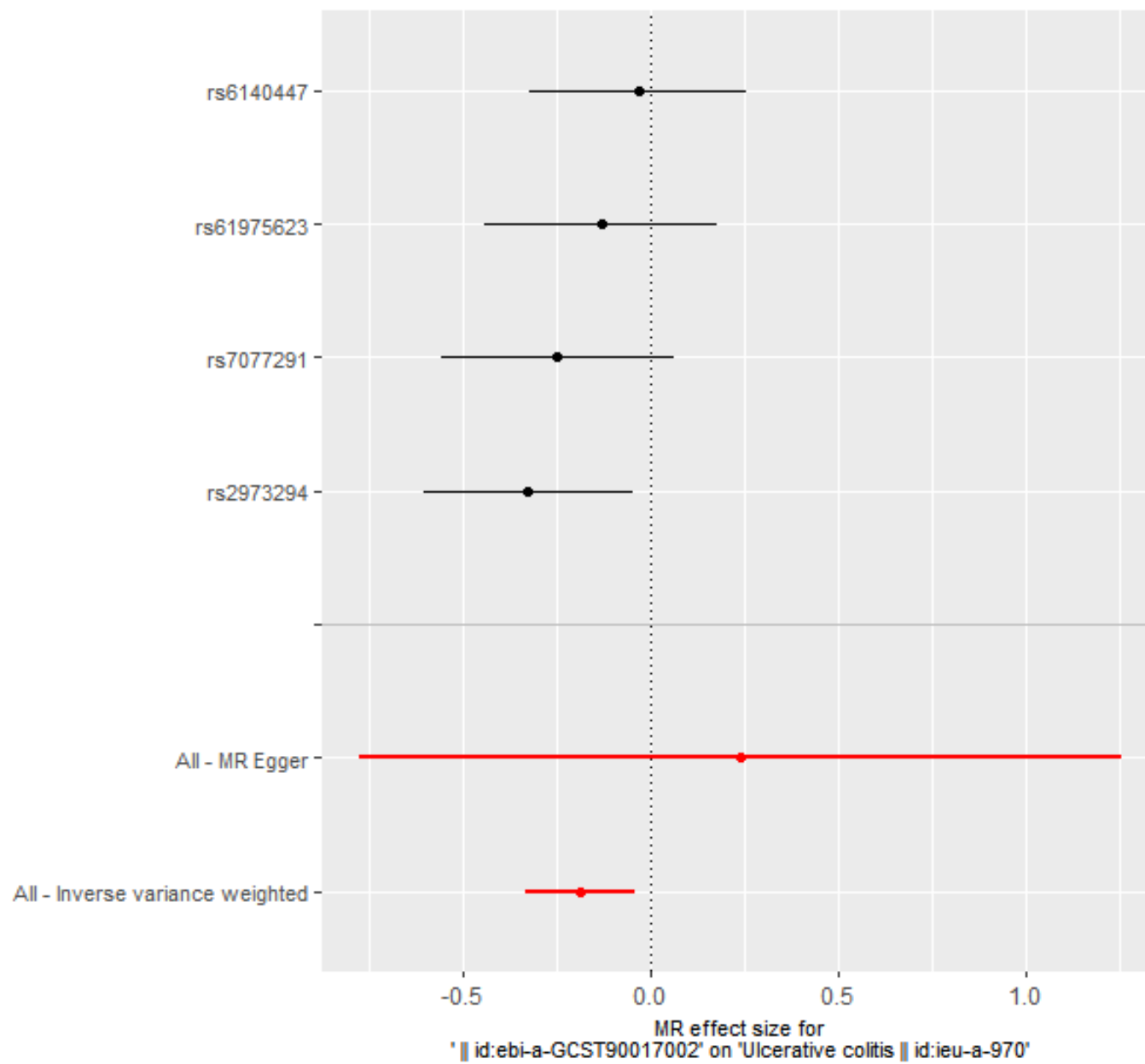
Figure 128 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium oxidoreducens* group id.11339) on ulcerative colitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

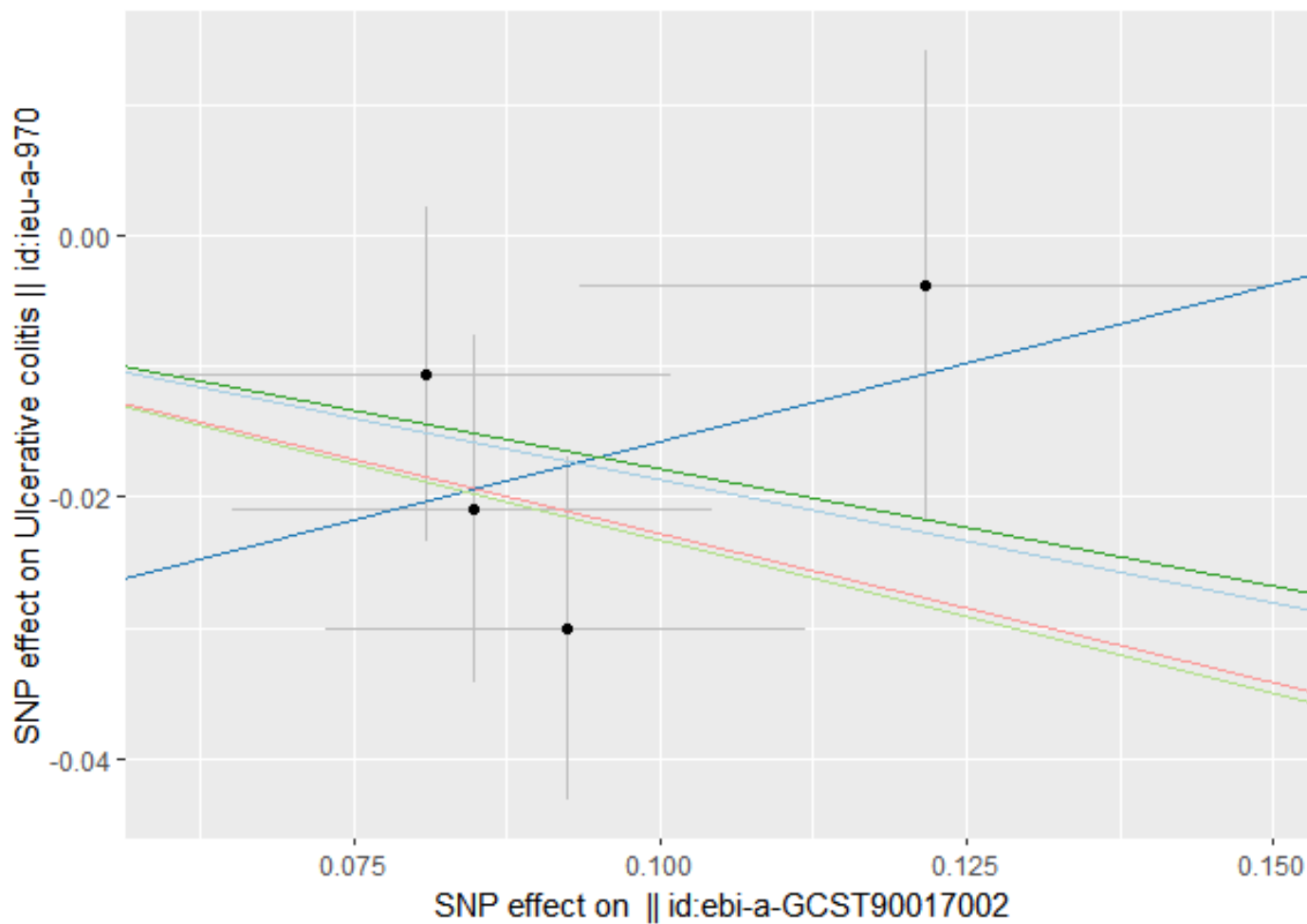
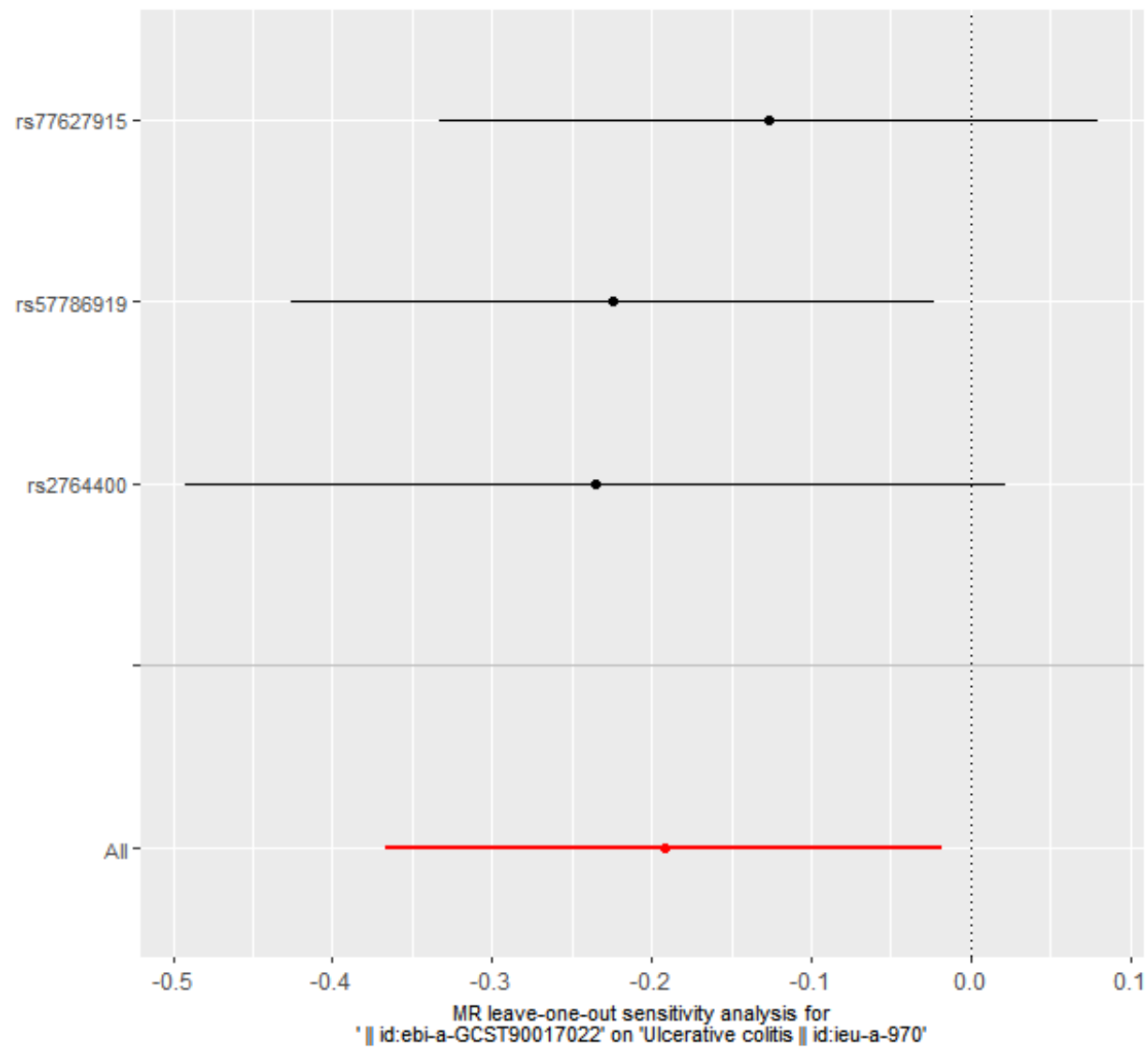
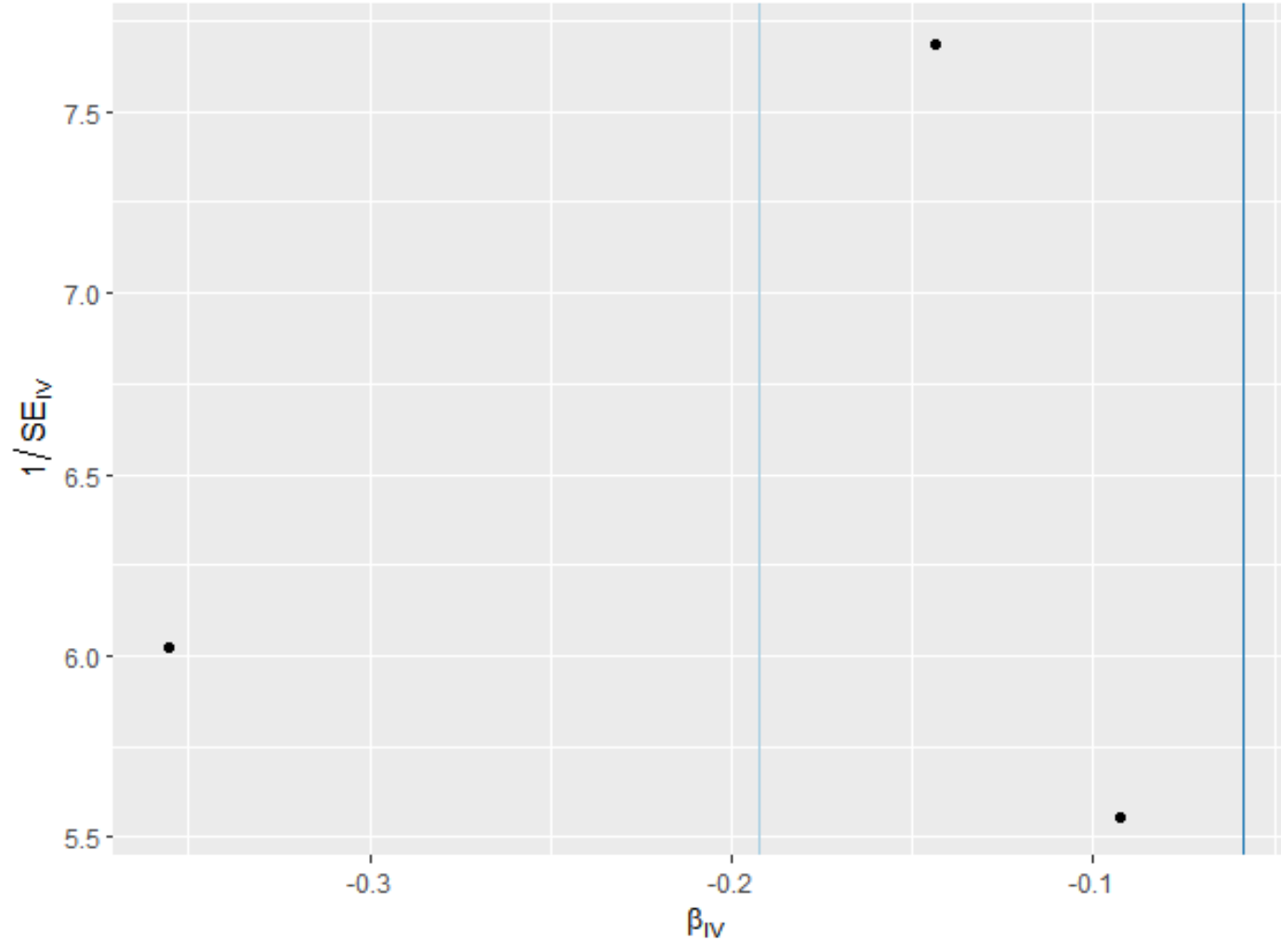


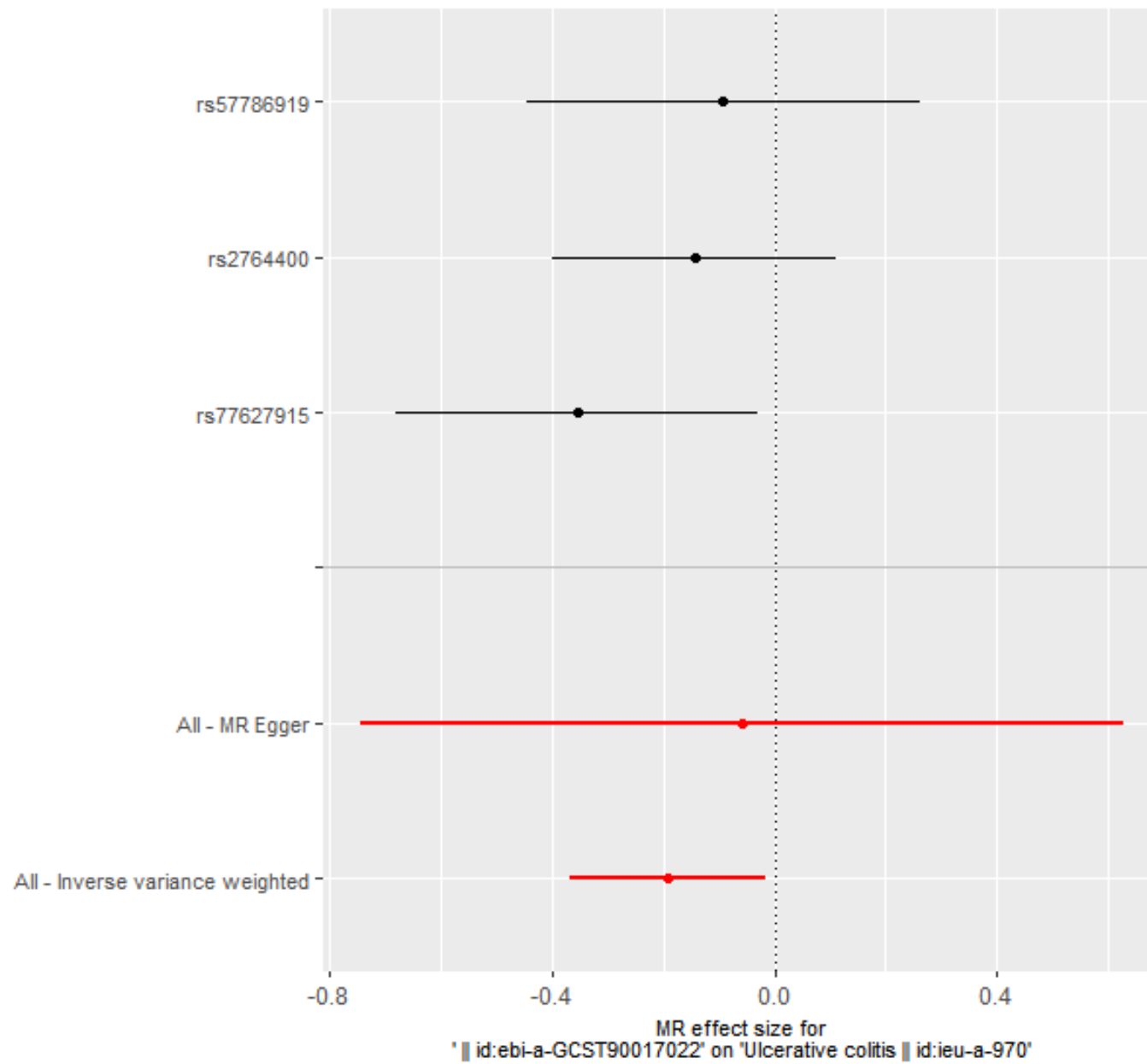
Figure 129 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on ulcerative colitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

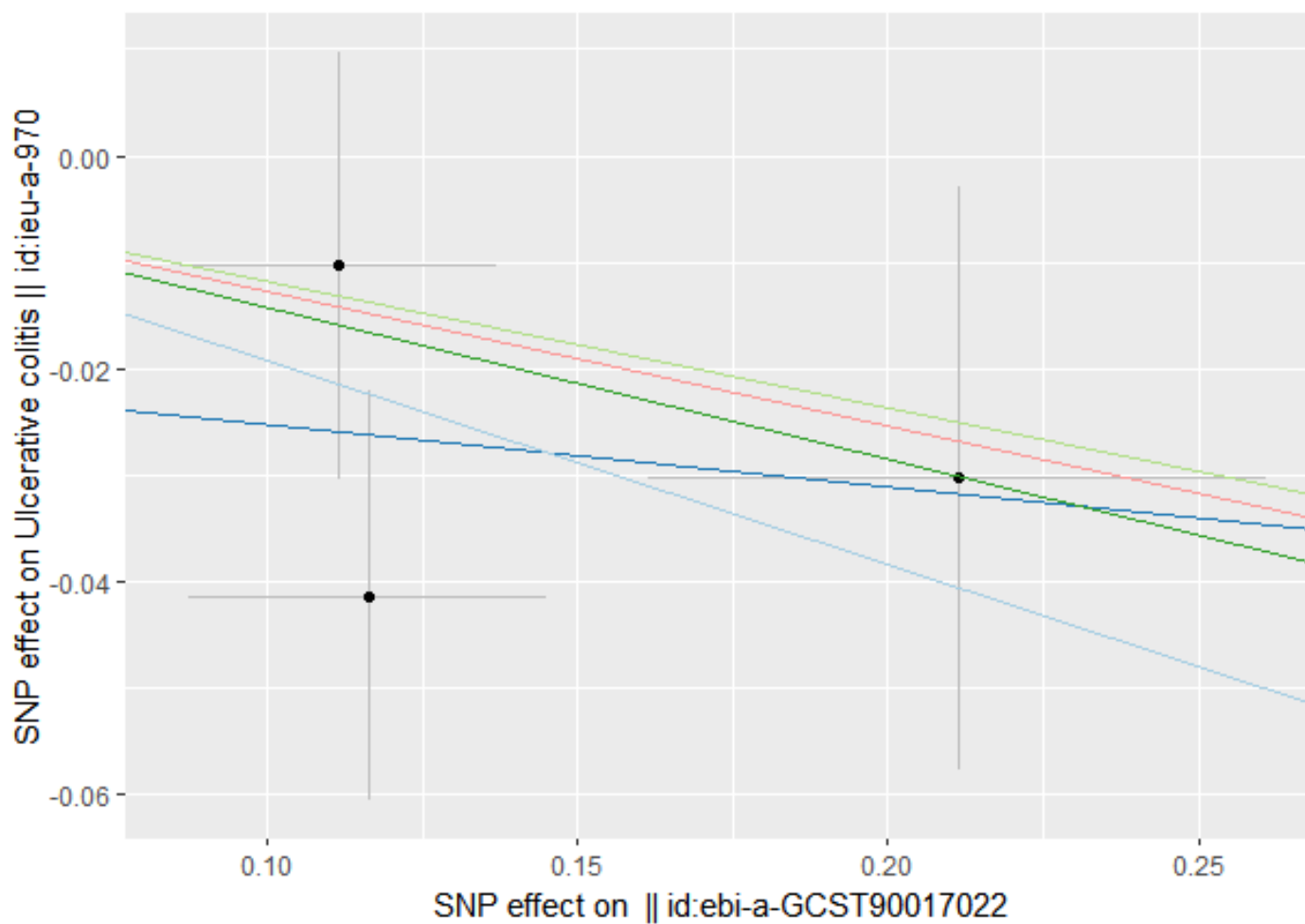
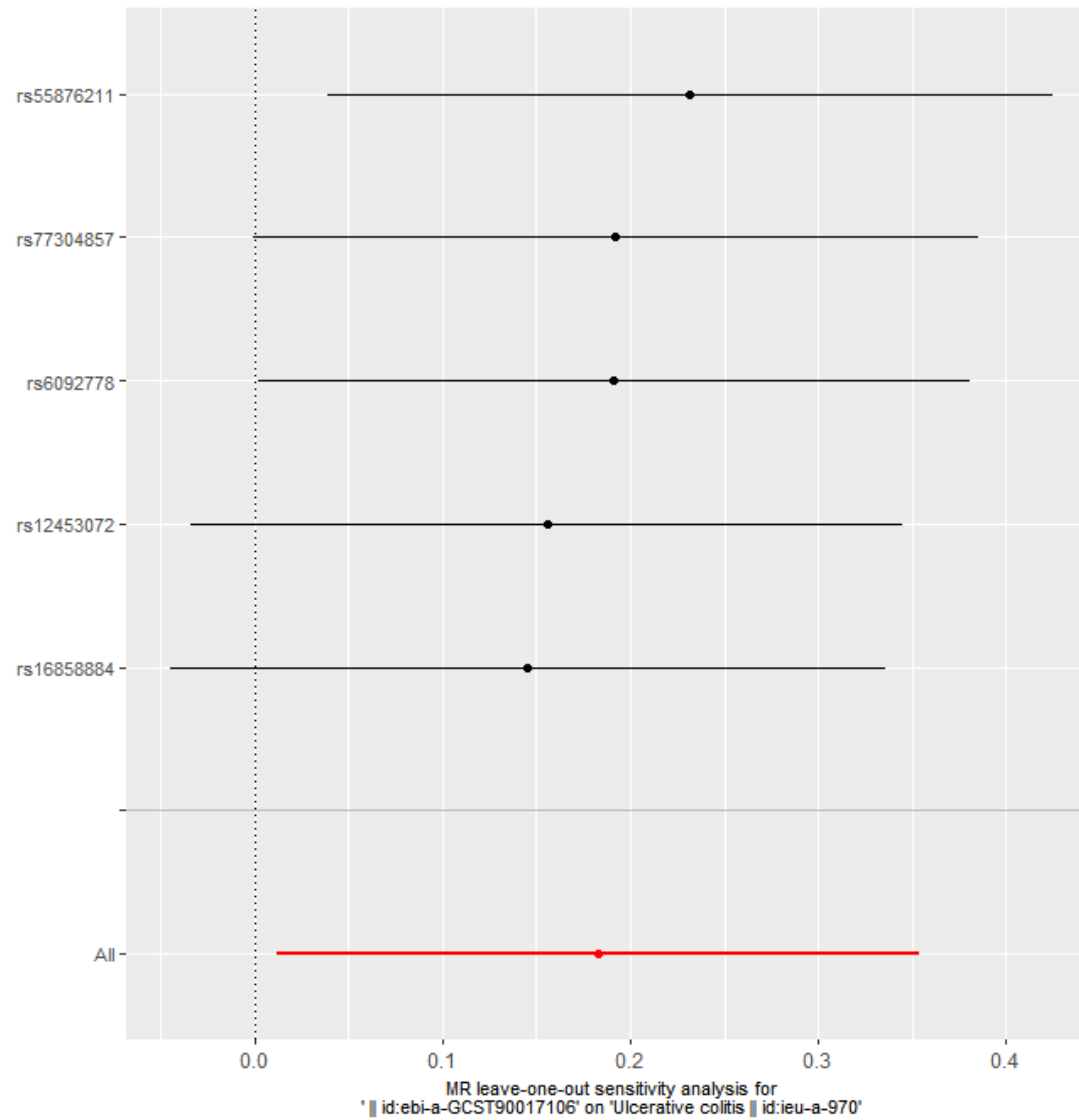
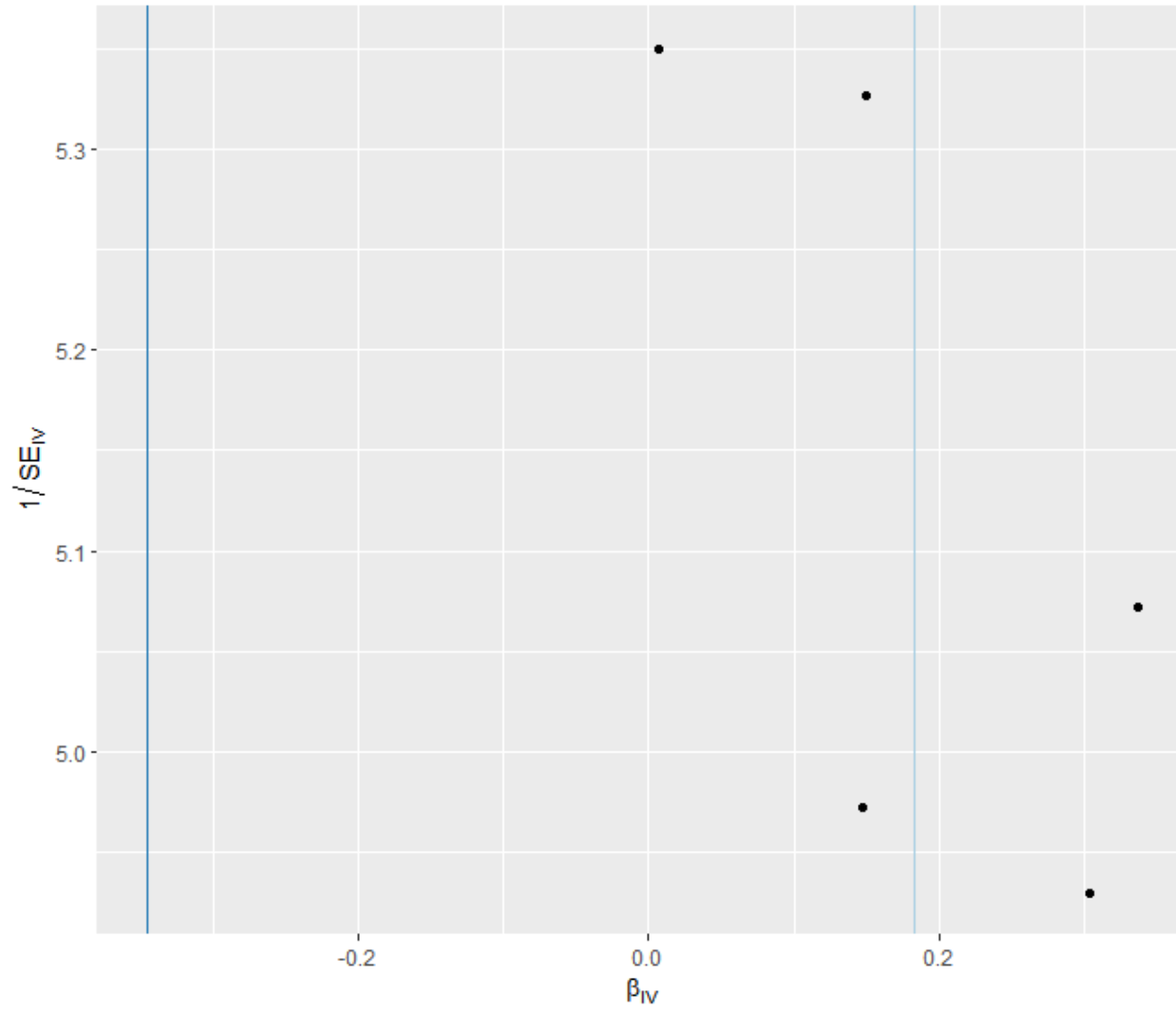


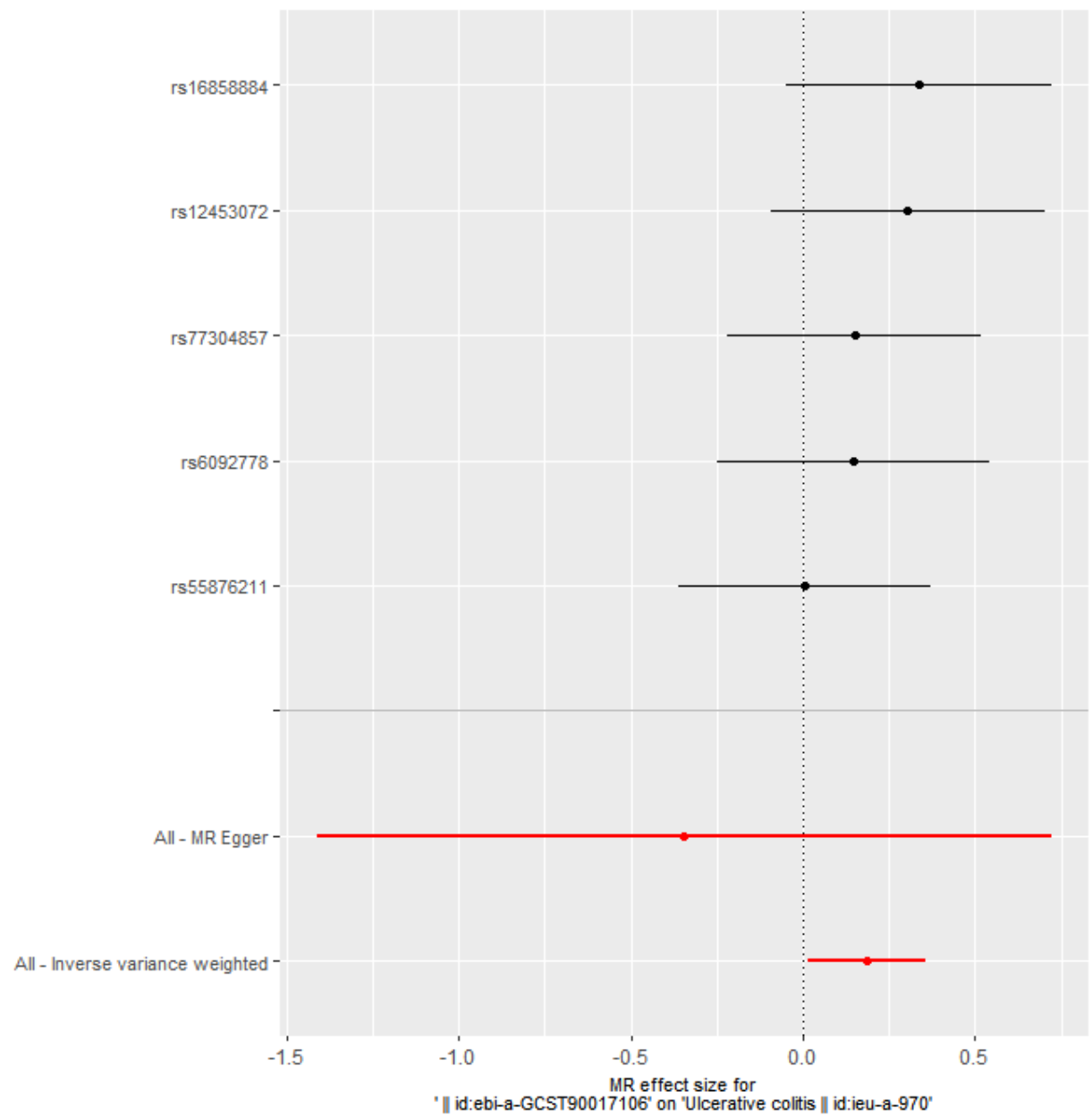
Figure 130 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Rhodospirillales id.2667) on ulcerative colitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

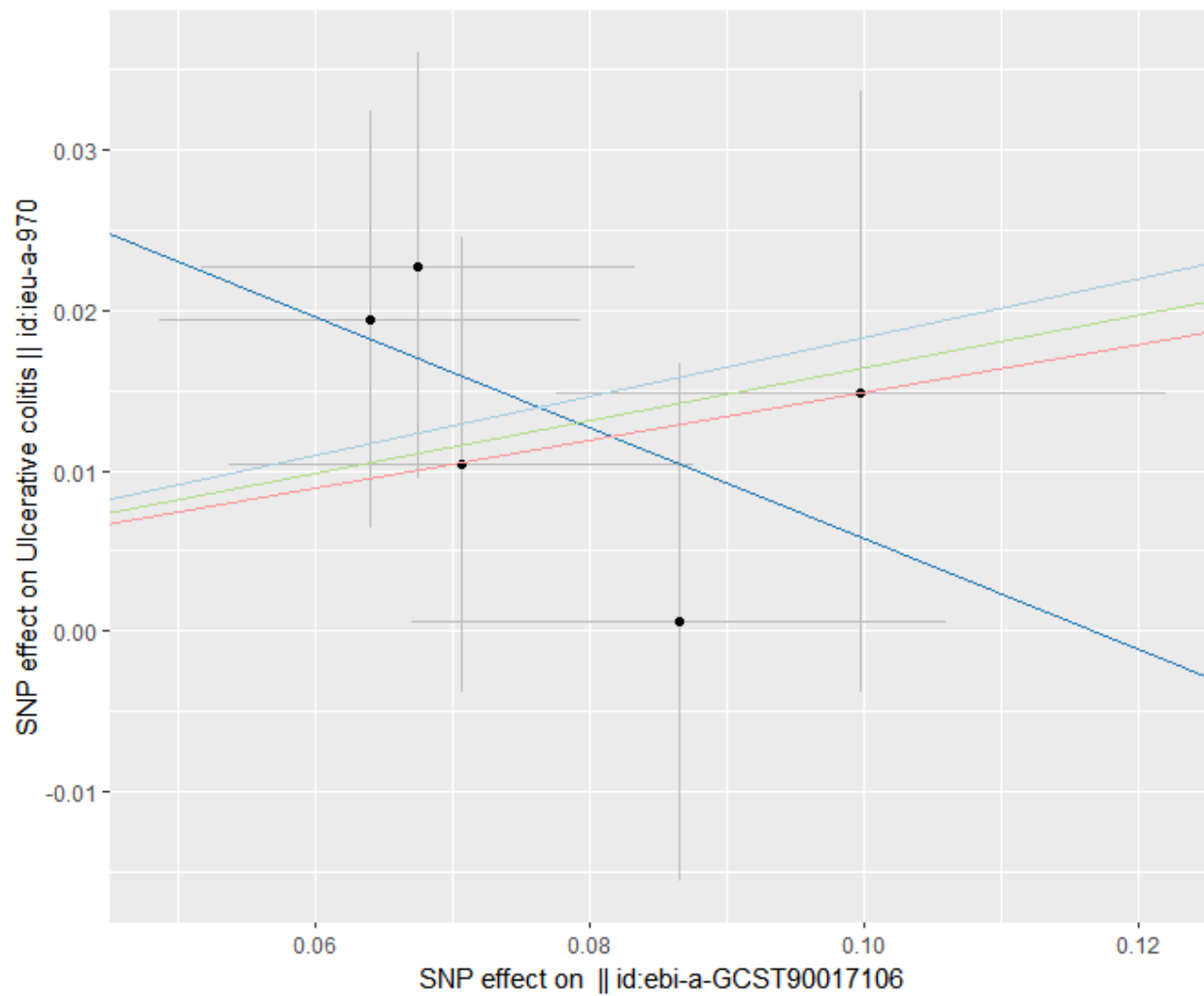
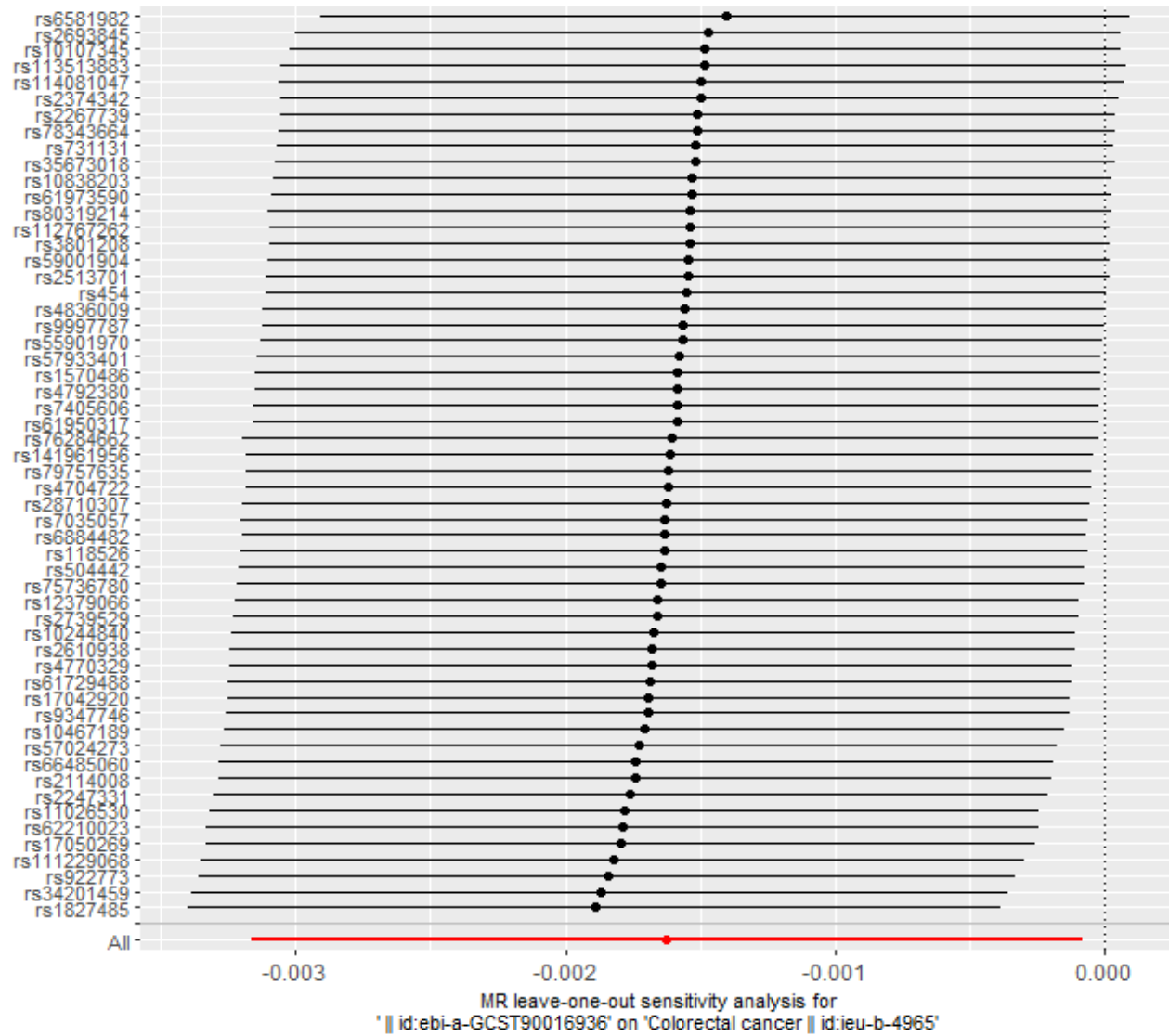
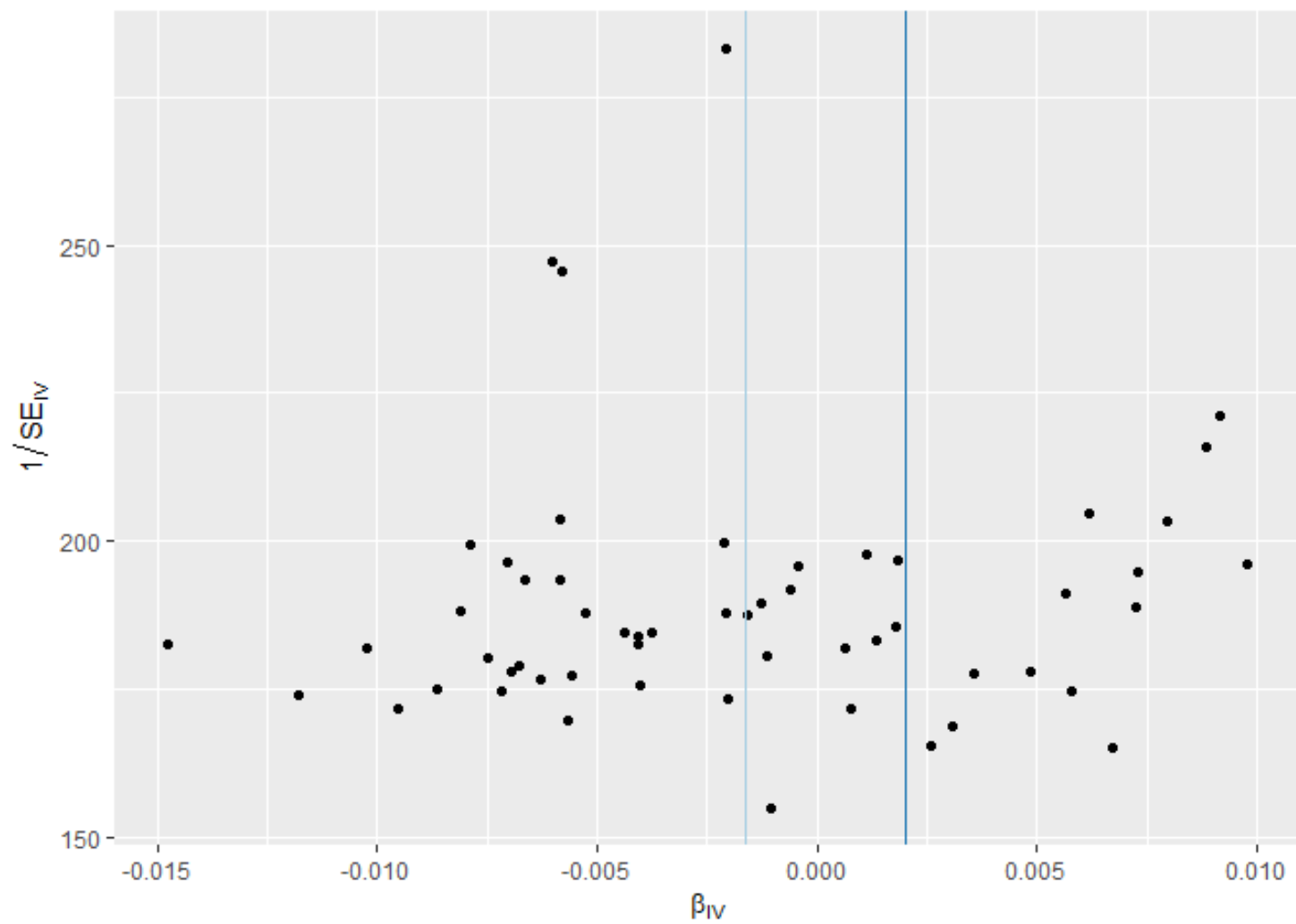


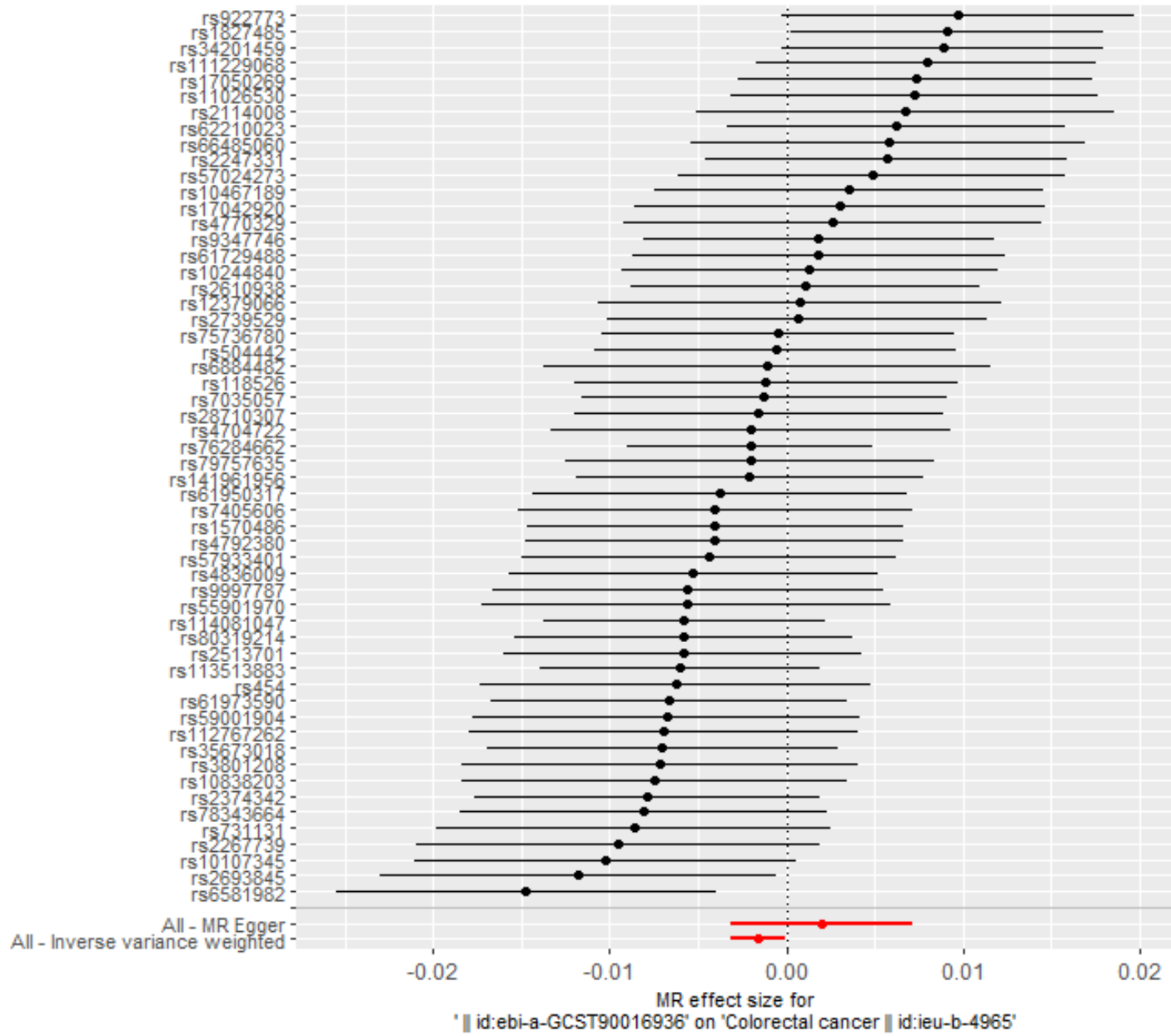
Figure 131 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Enterobacteriaceae id.3469) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

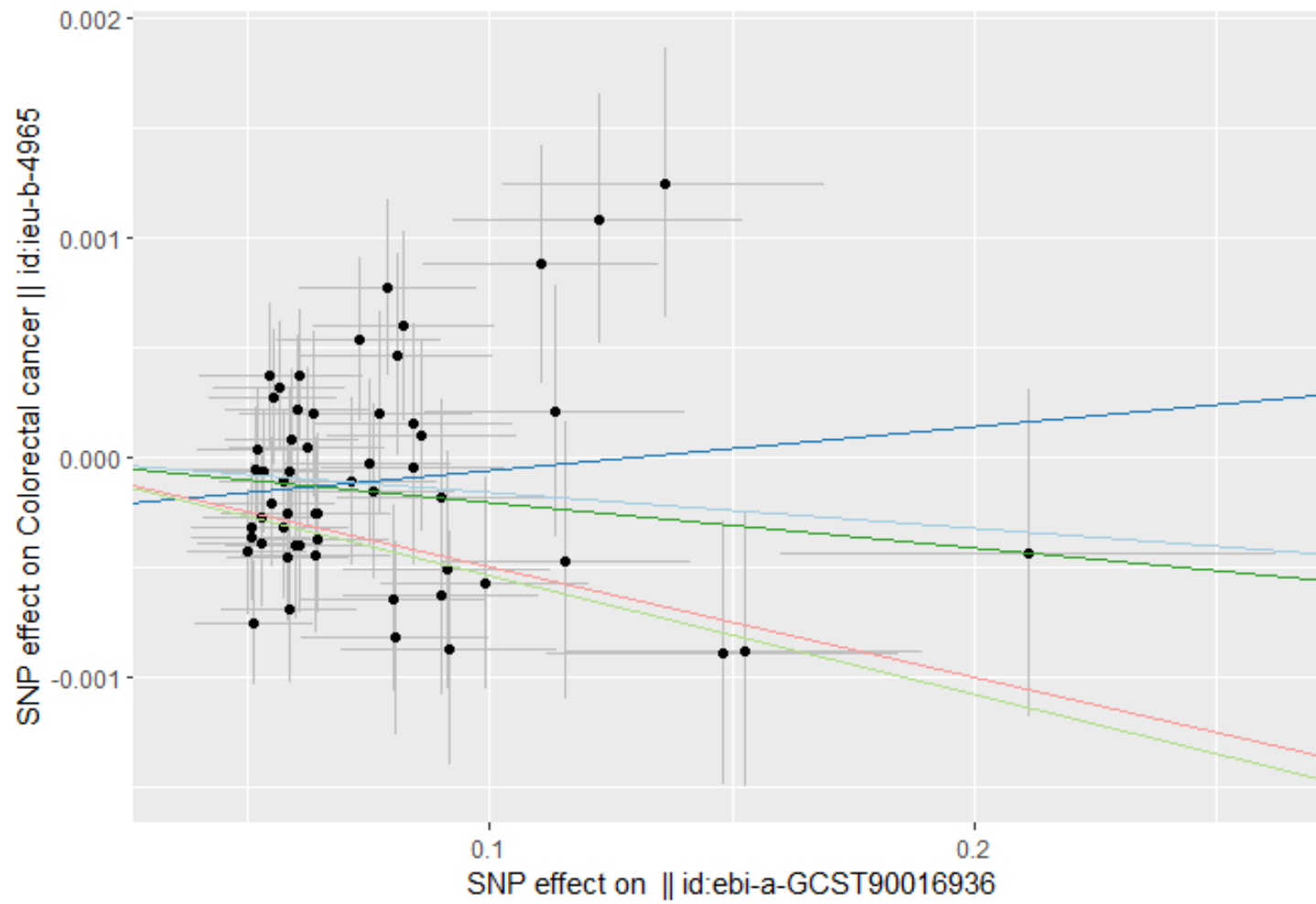
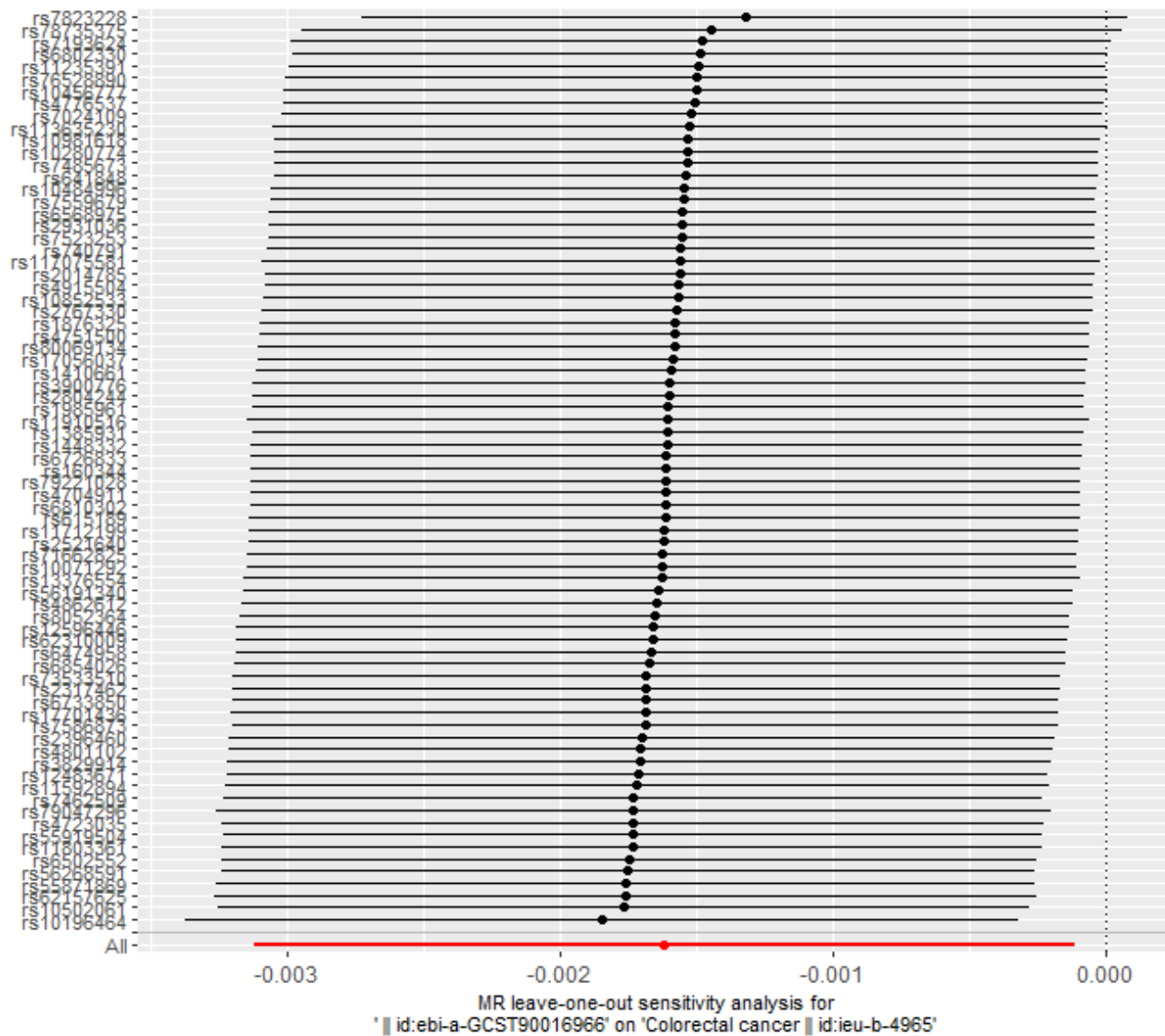
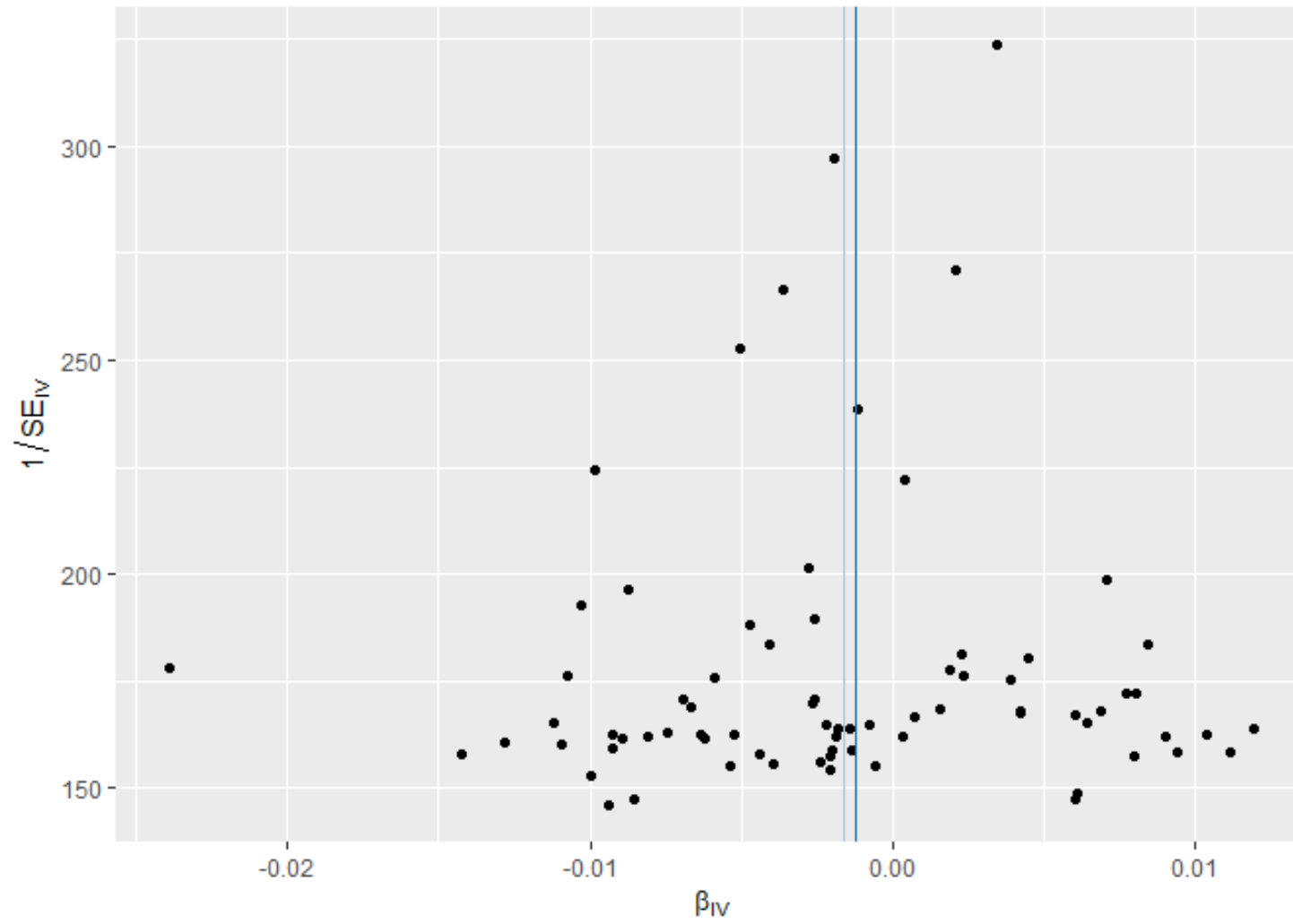


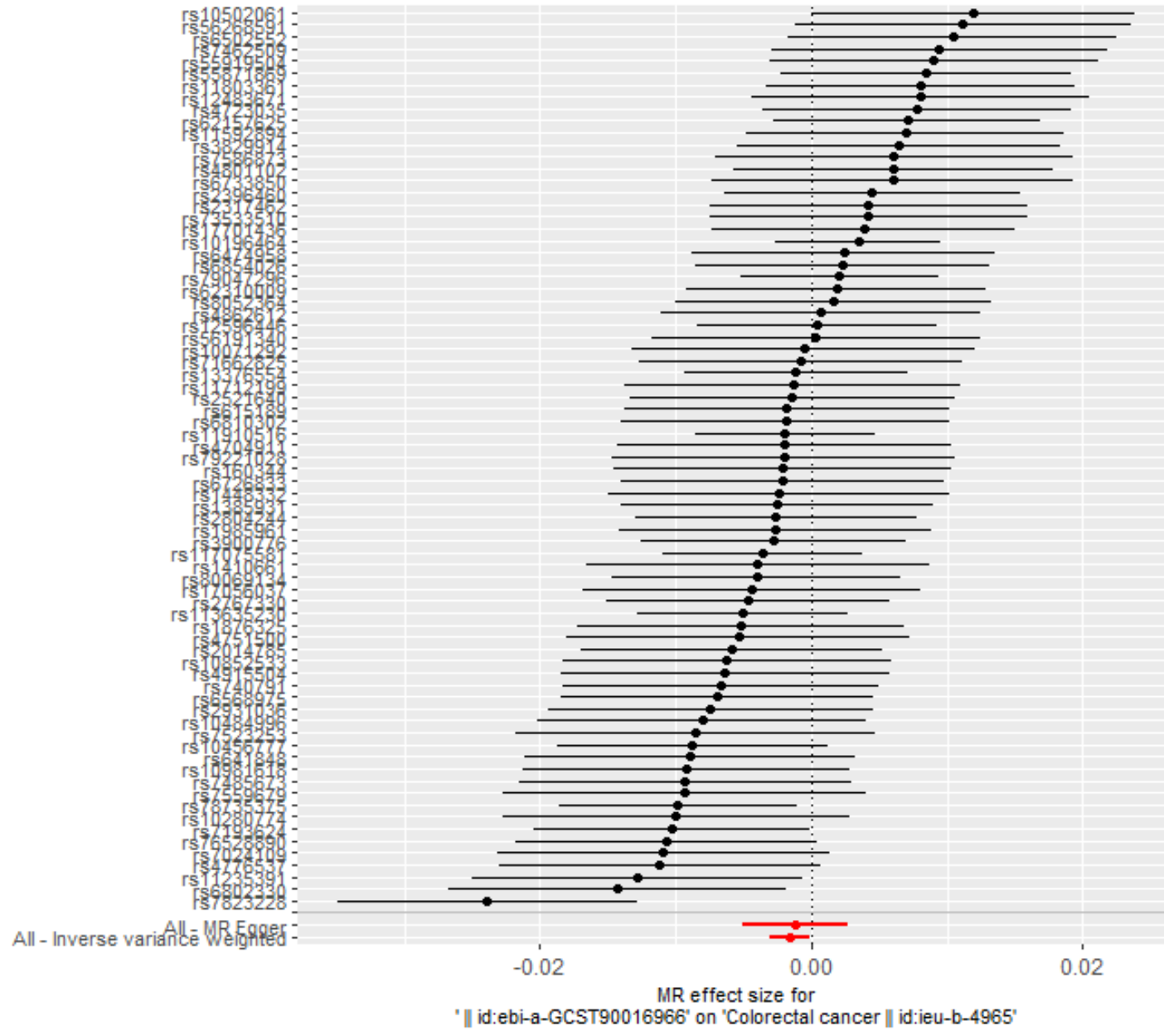
Figure 132 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Anaerostipes* id.1991) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger





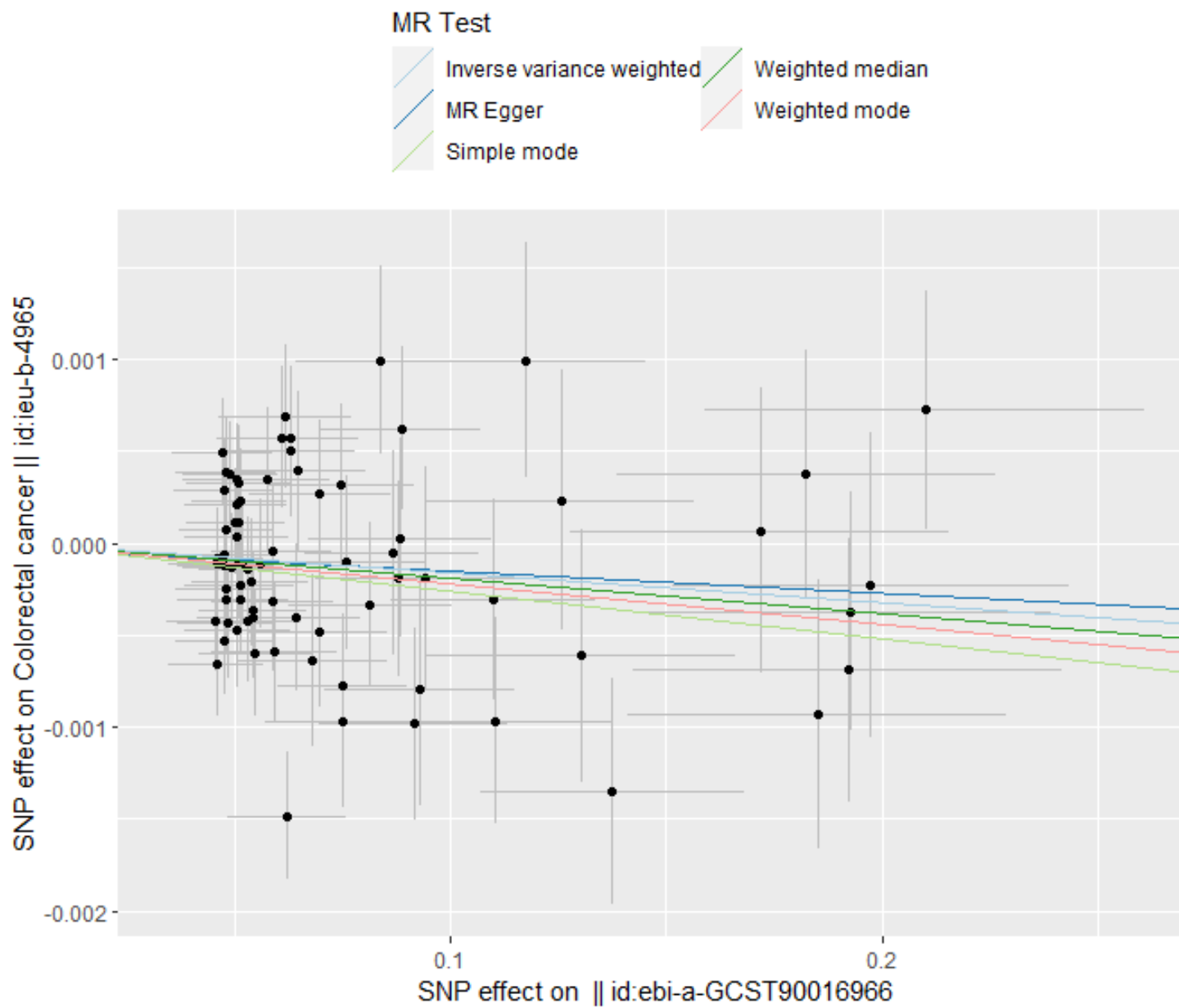
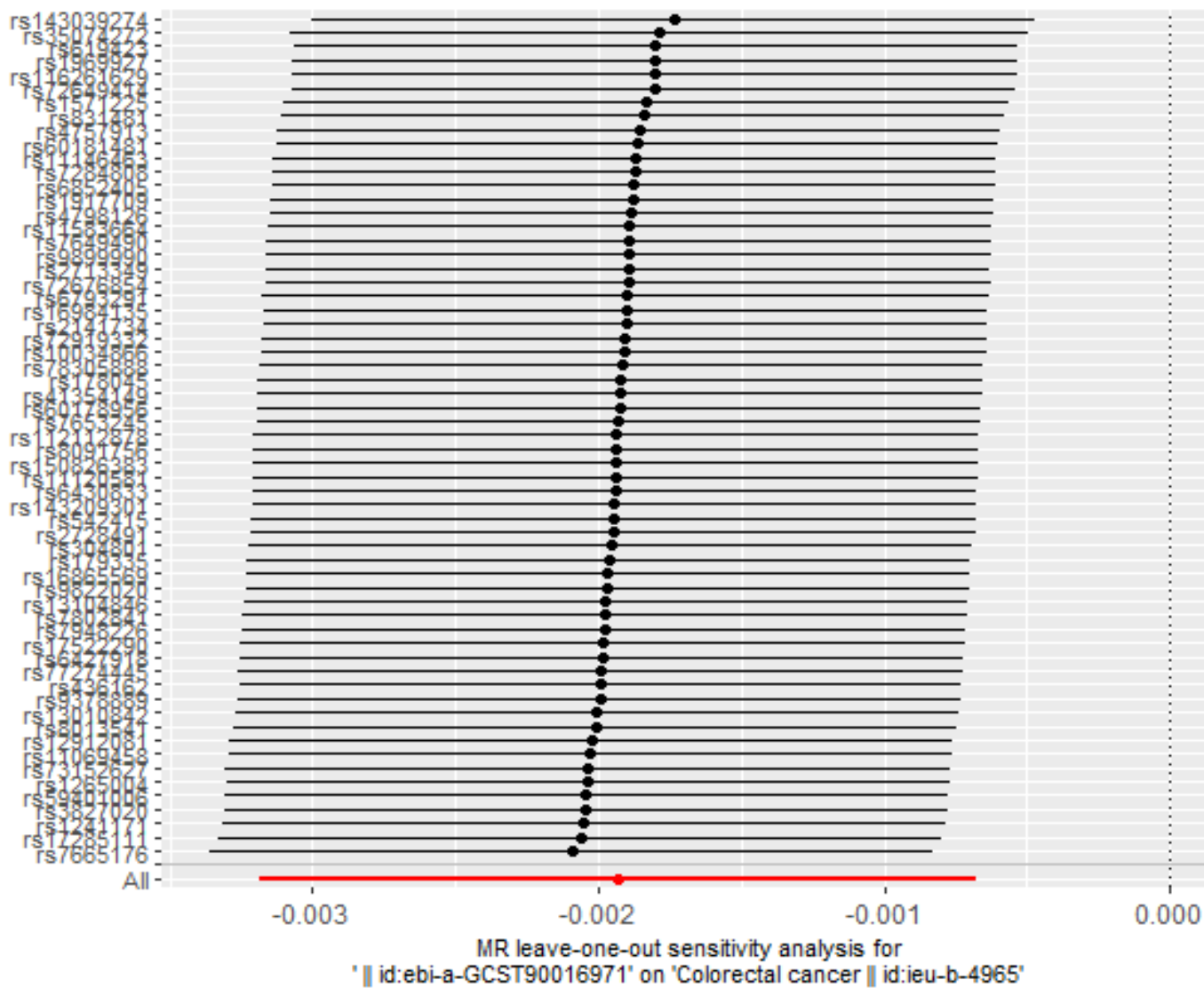
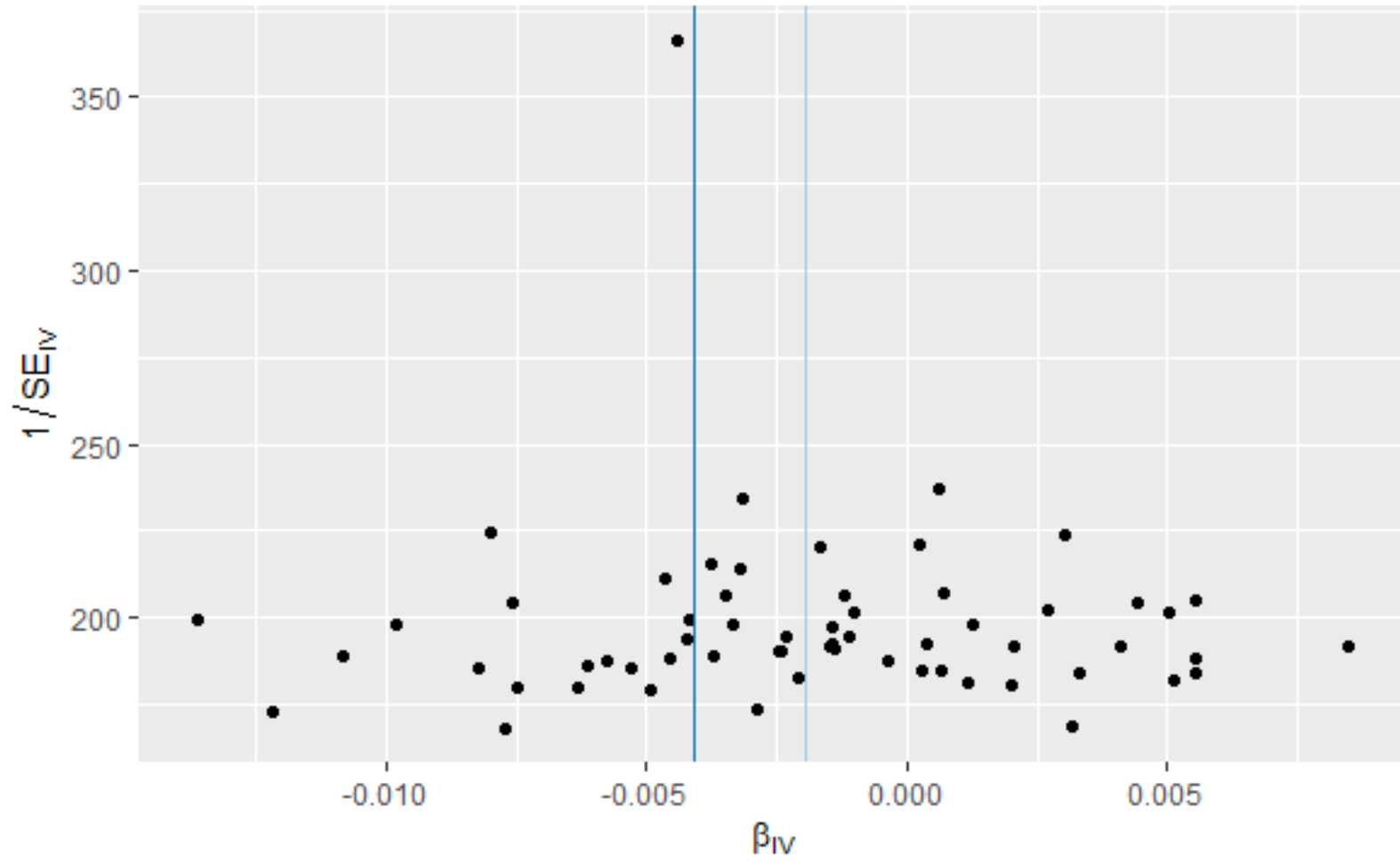


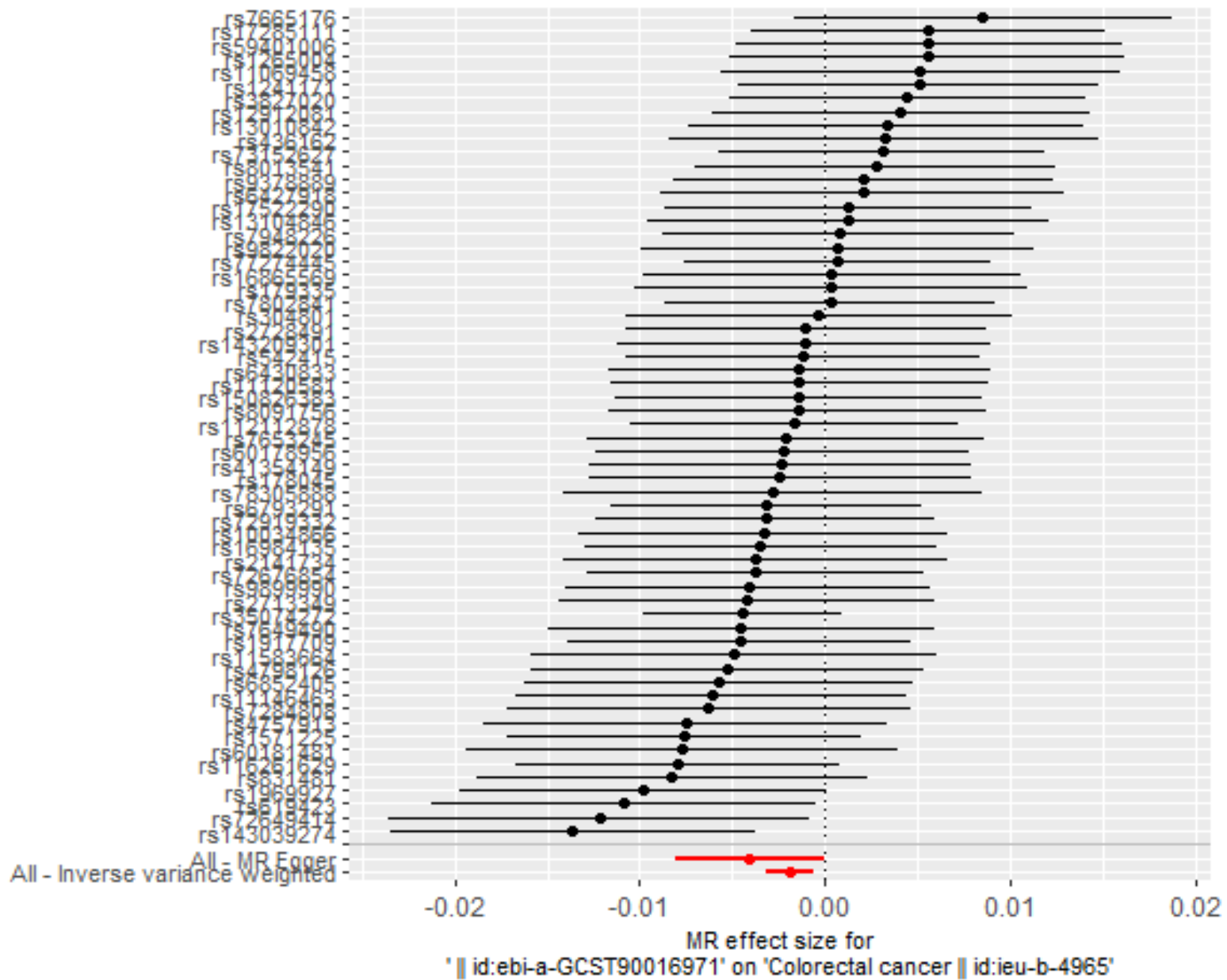
Figure 133 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Bilophila id.3170) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

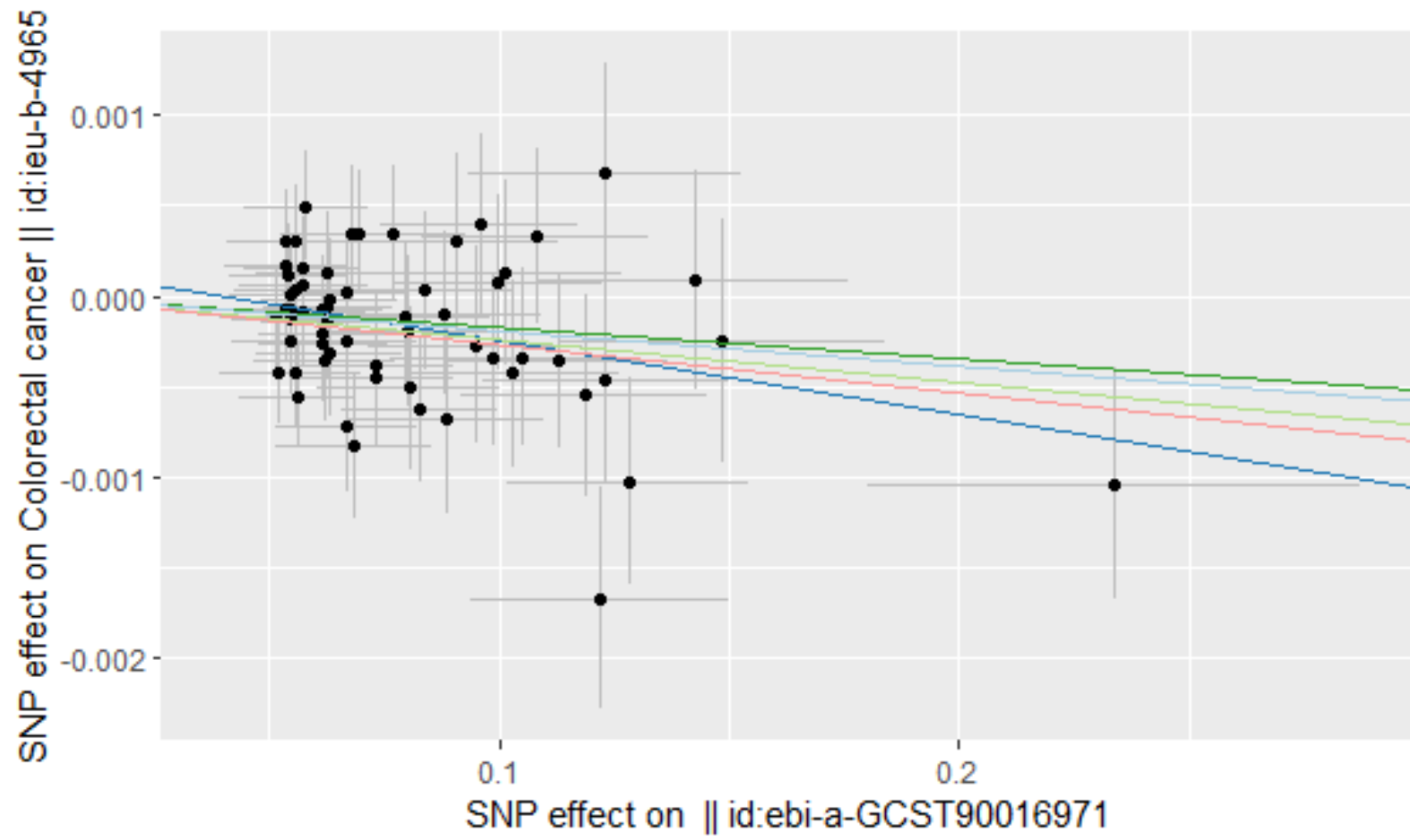
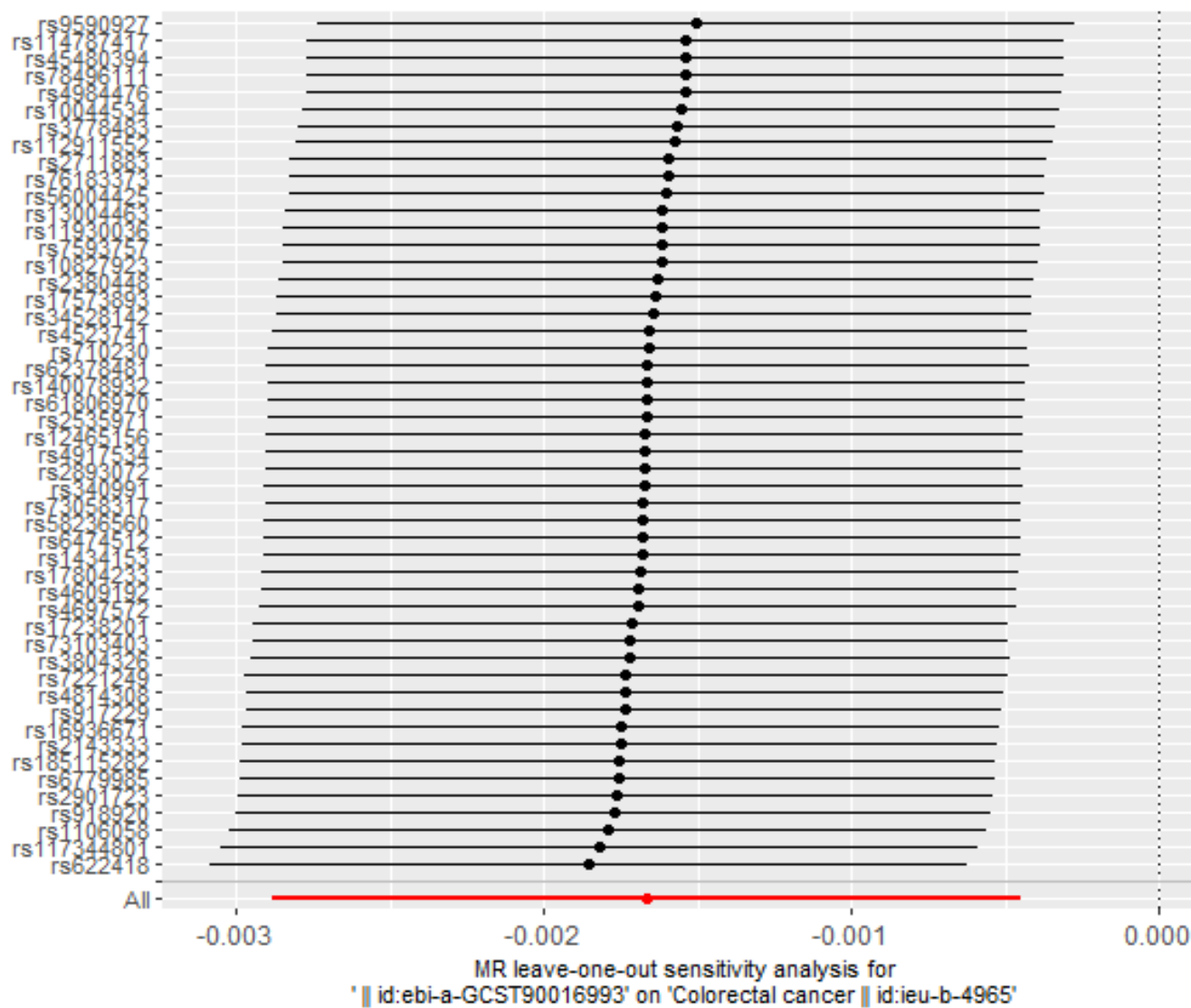
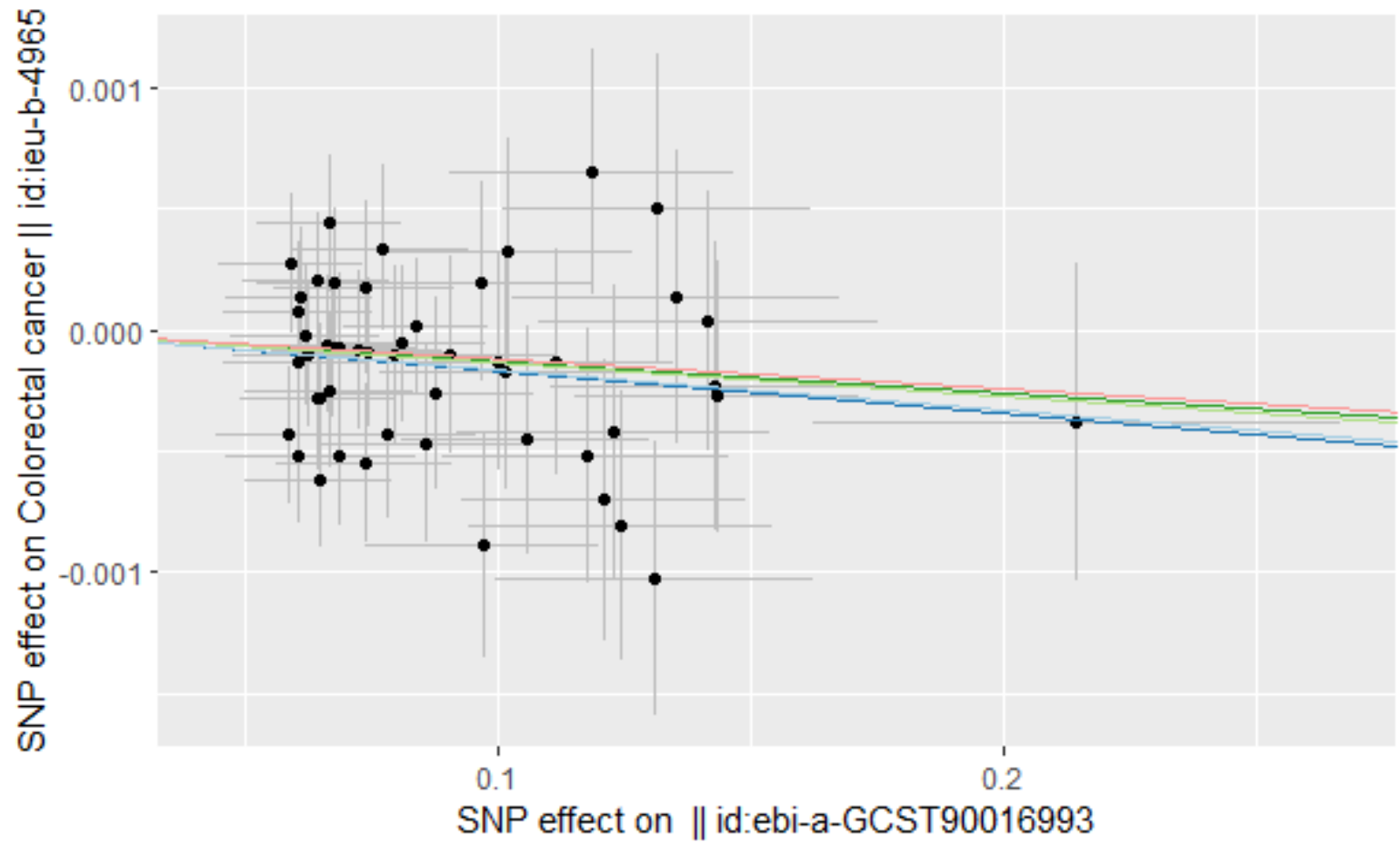


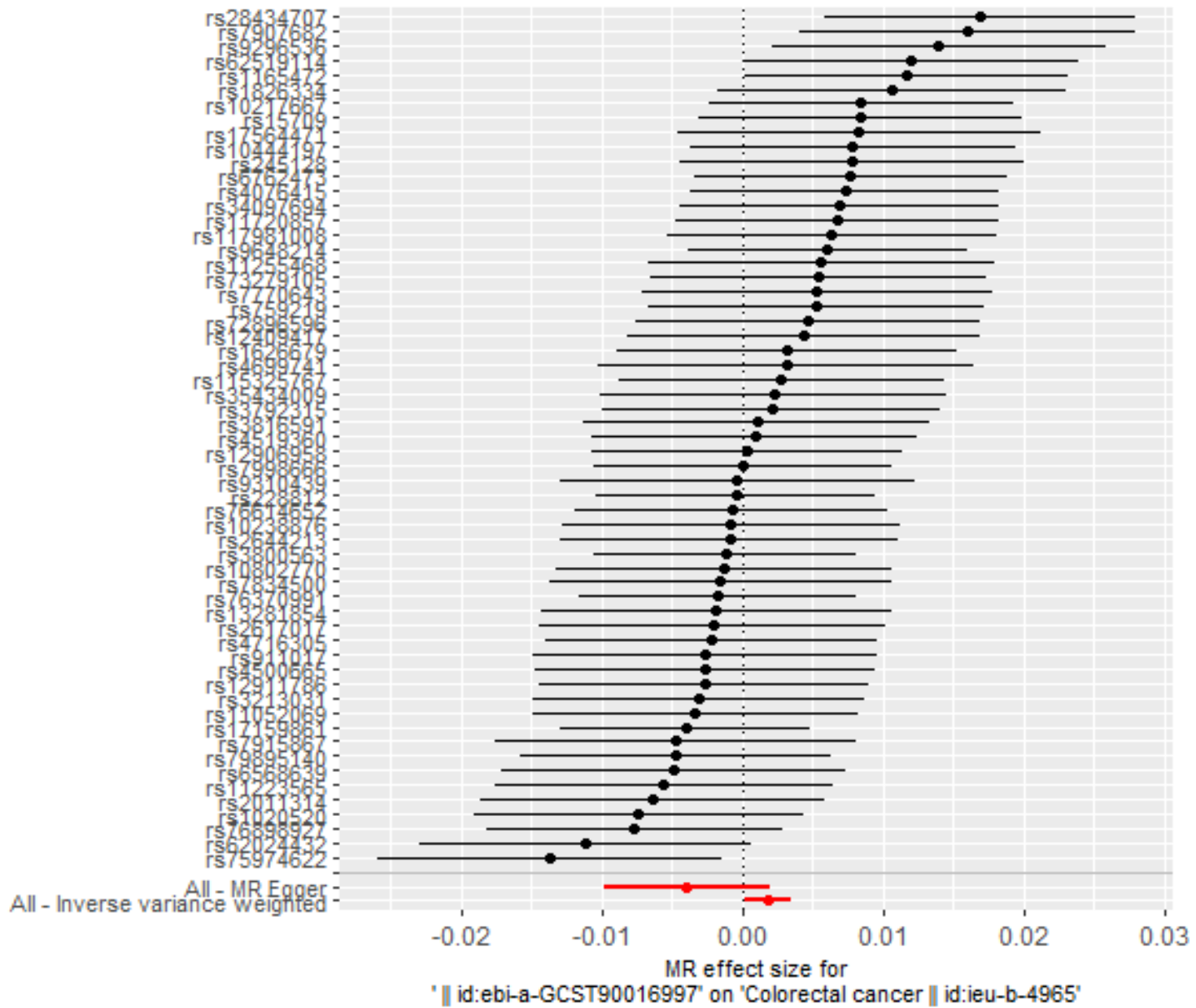
Figure 134 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Erysipelatoclostridium* id.11381) on colorectal cancer



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

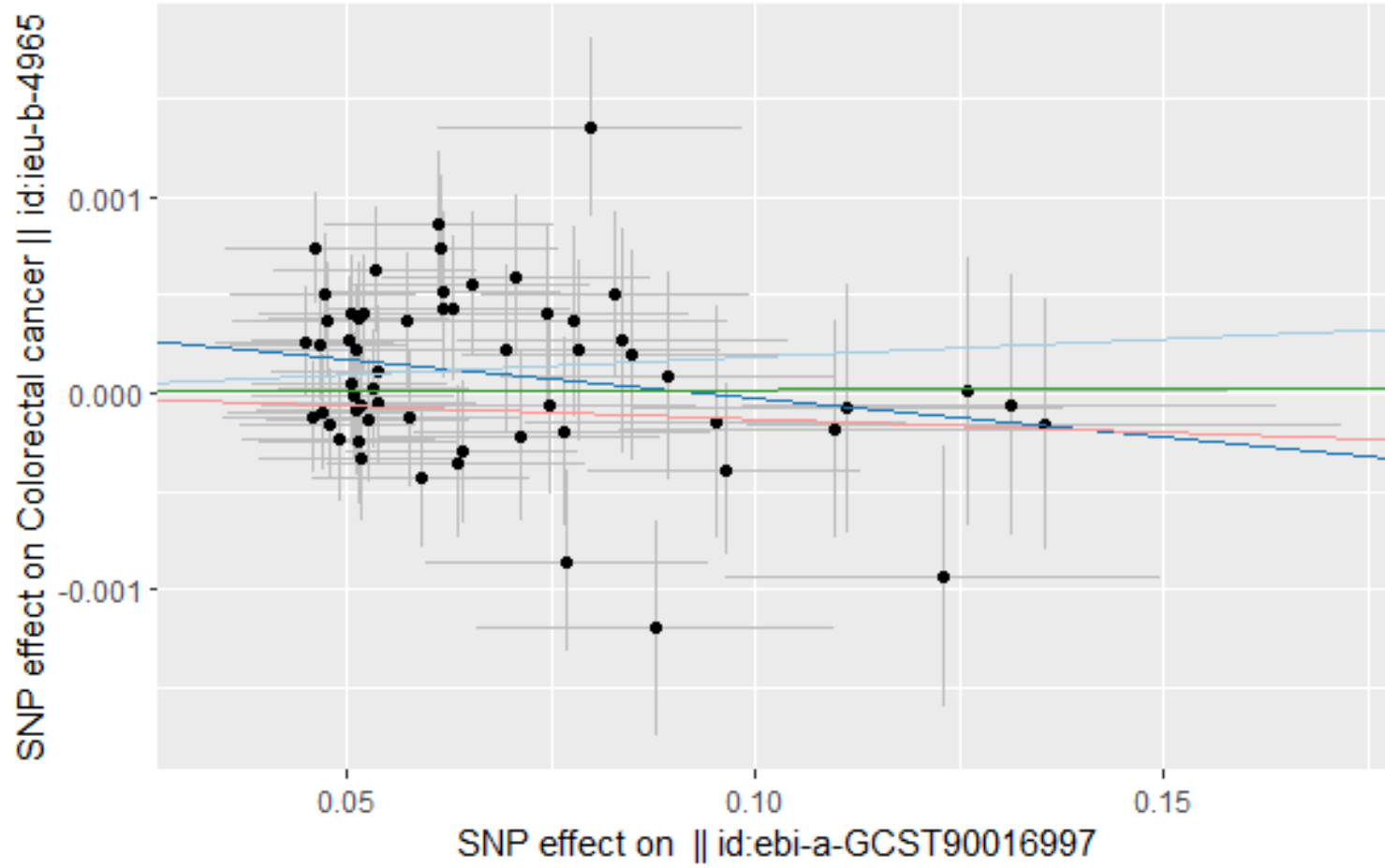
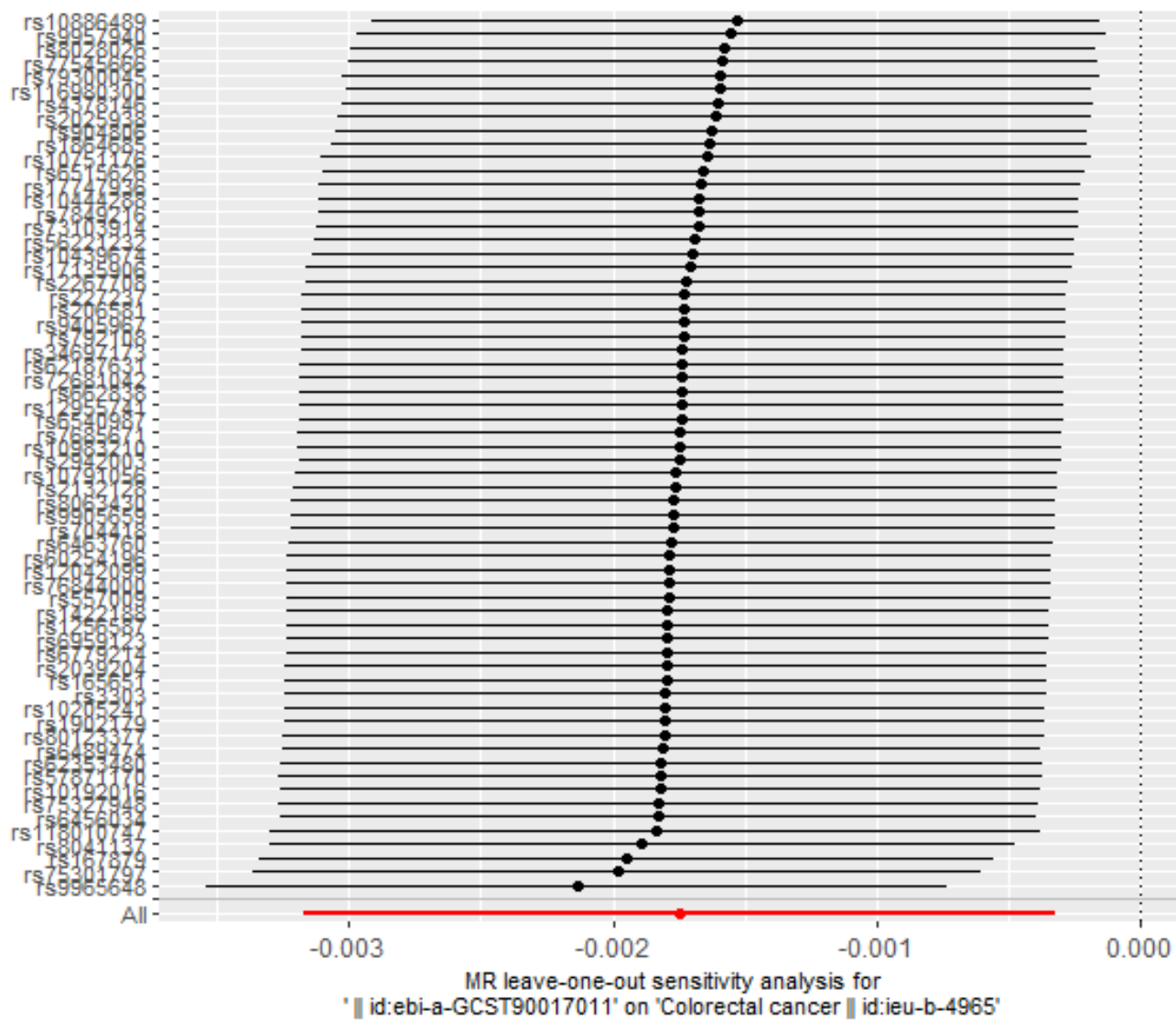
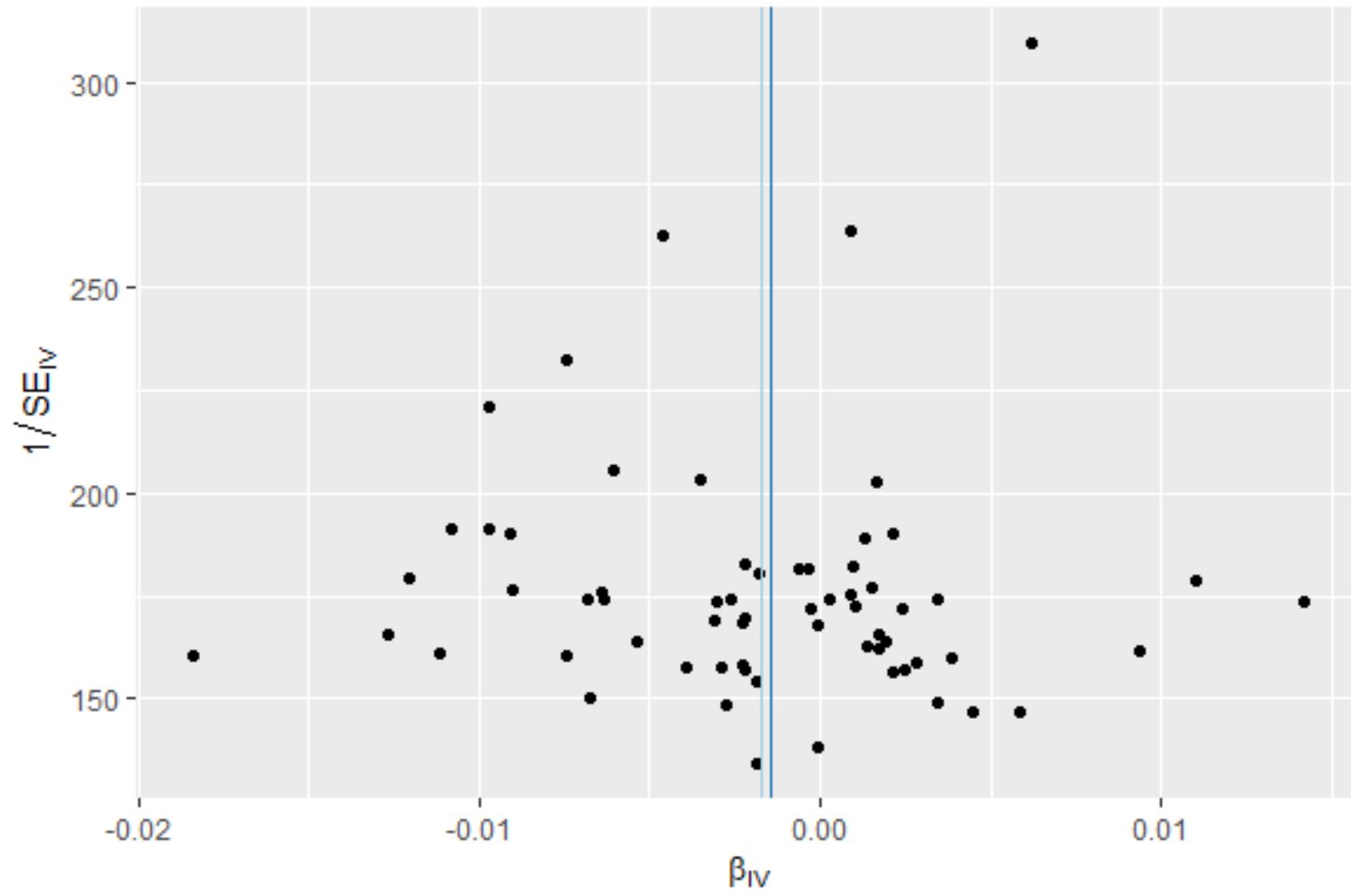


Figure 136 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Fusicatenibacter* id.11305) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

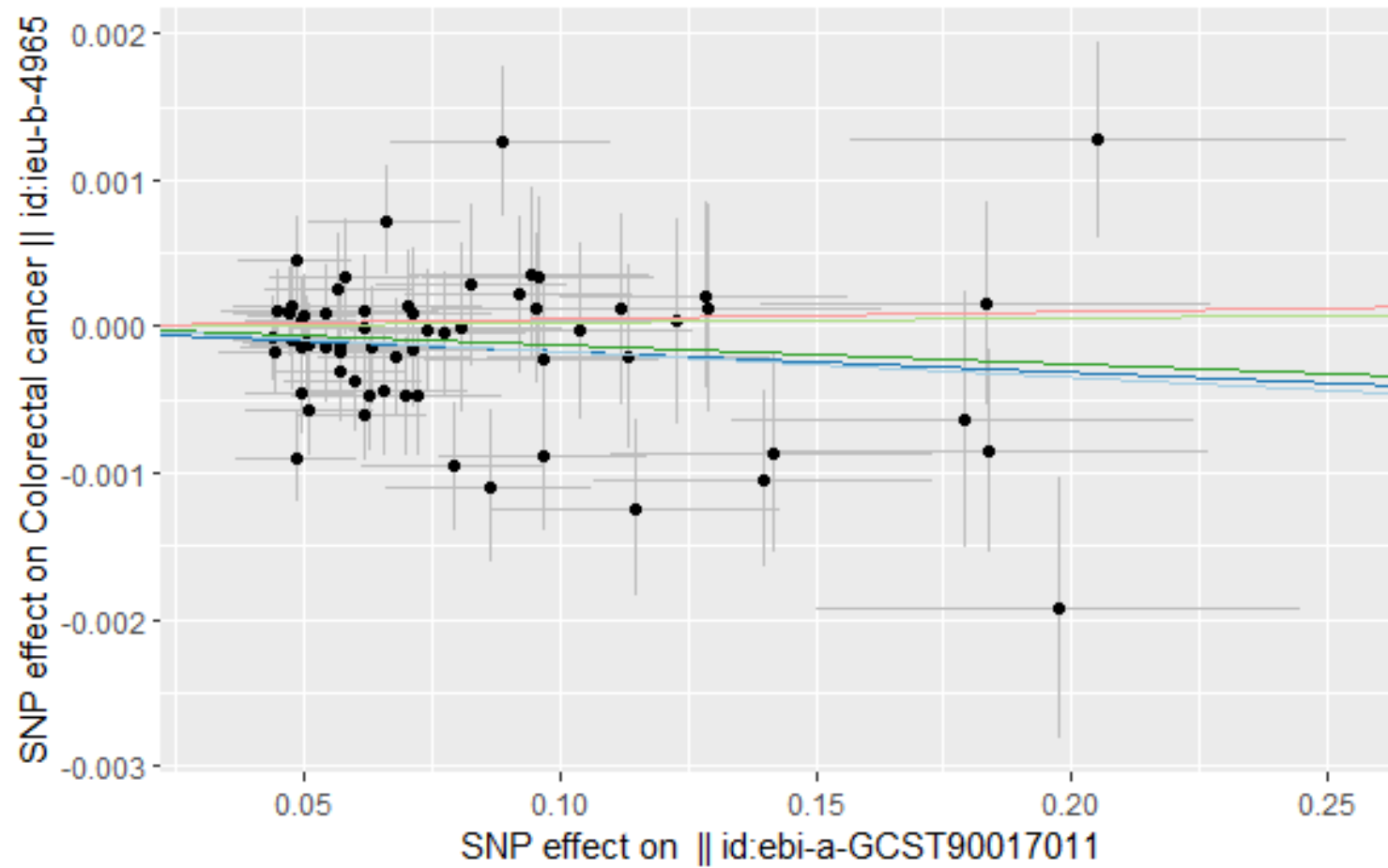
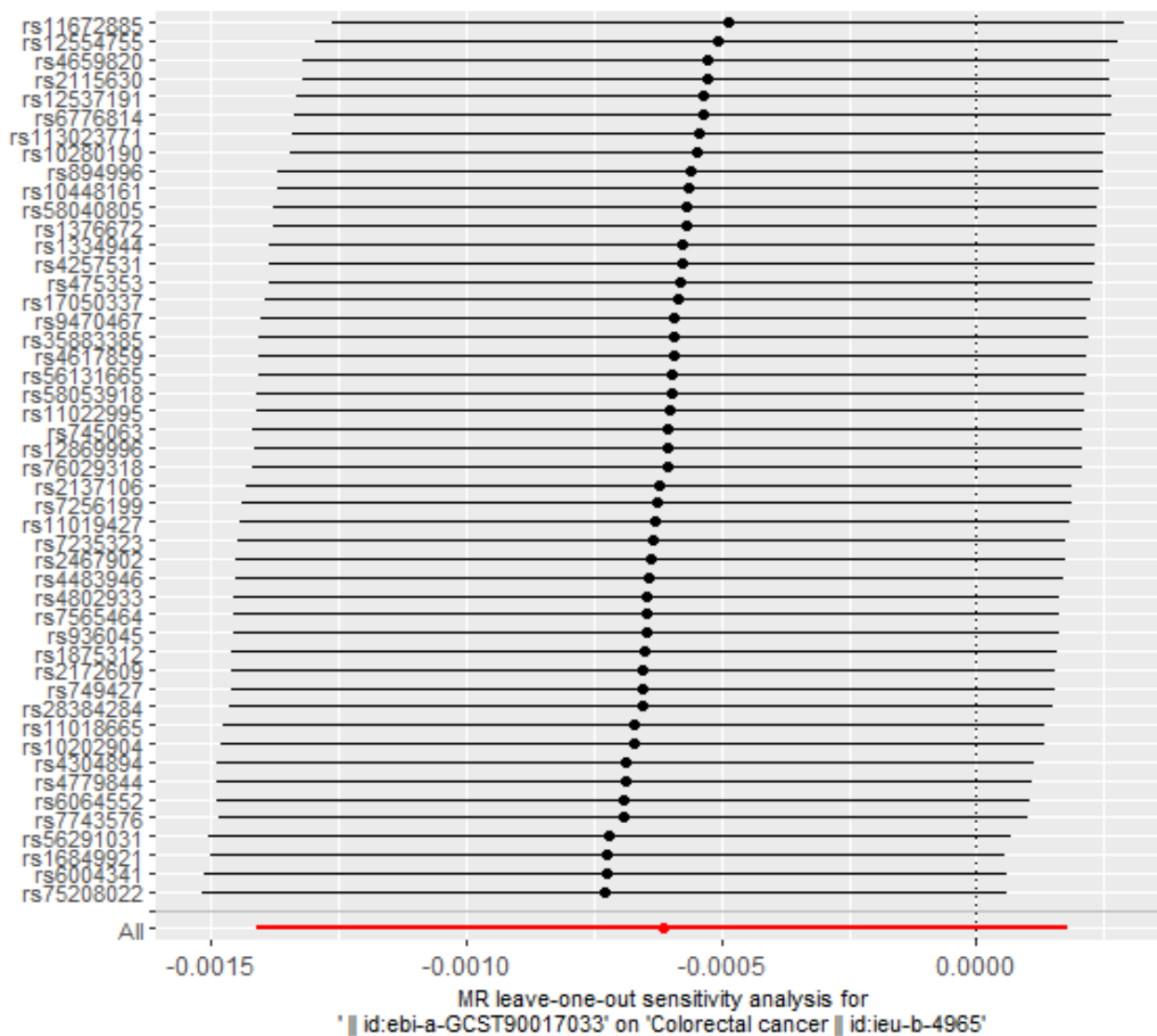
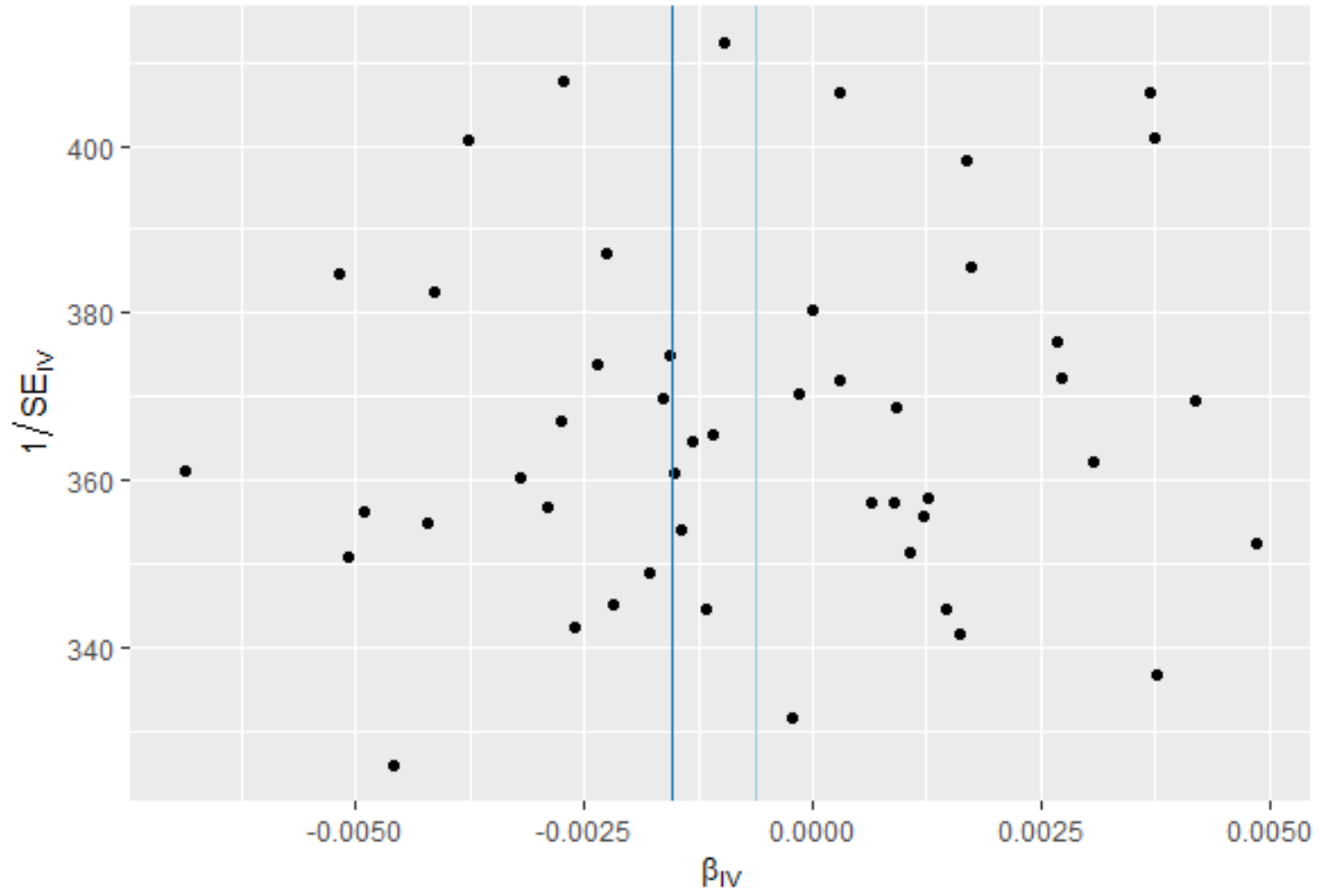


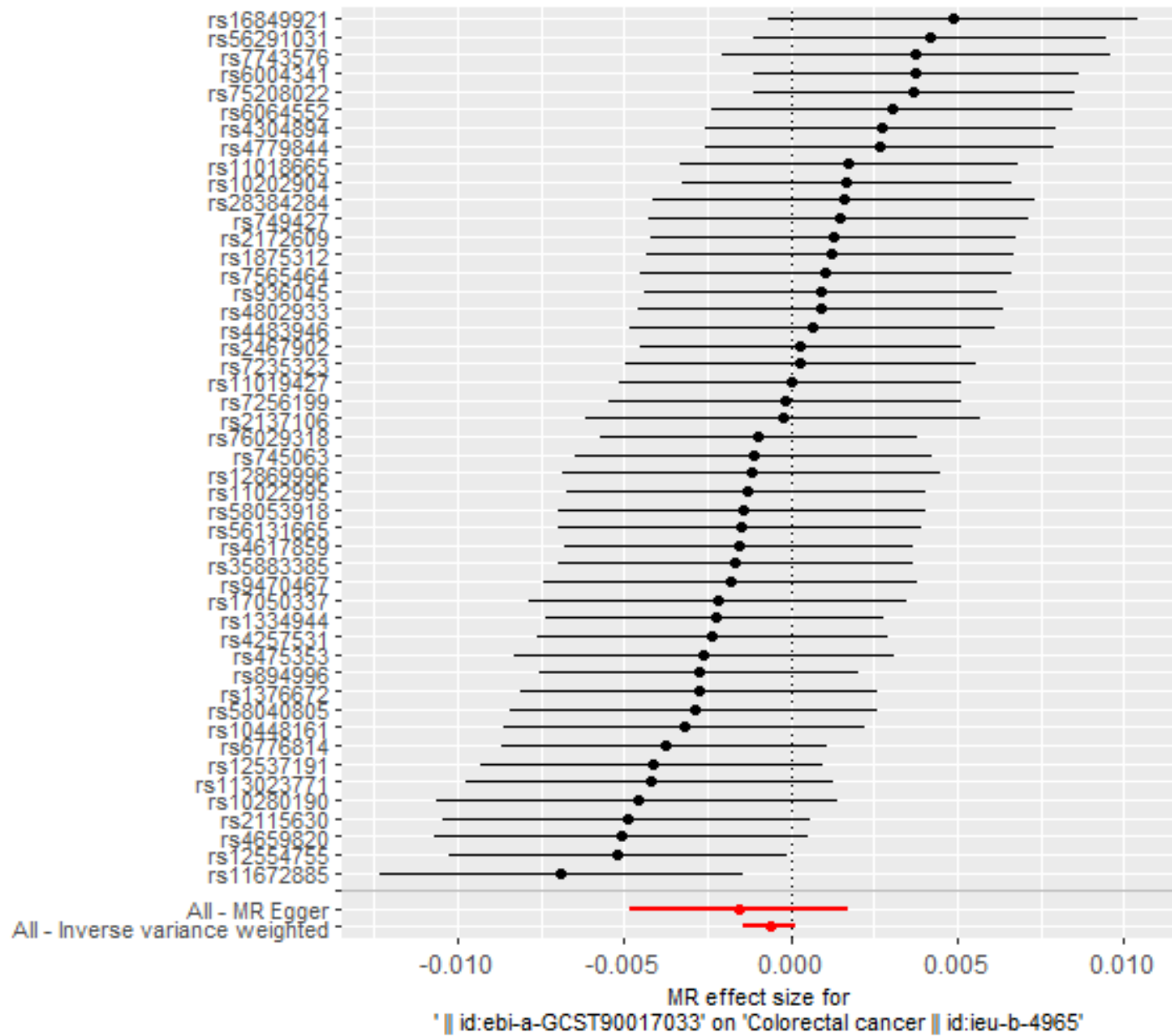
Figure 137 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Methanobrevibacter* id.123) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

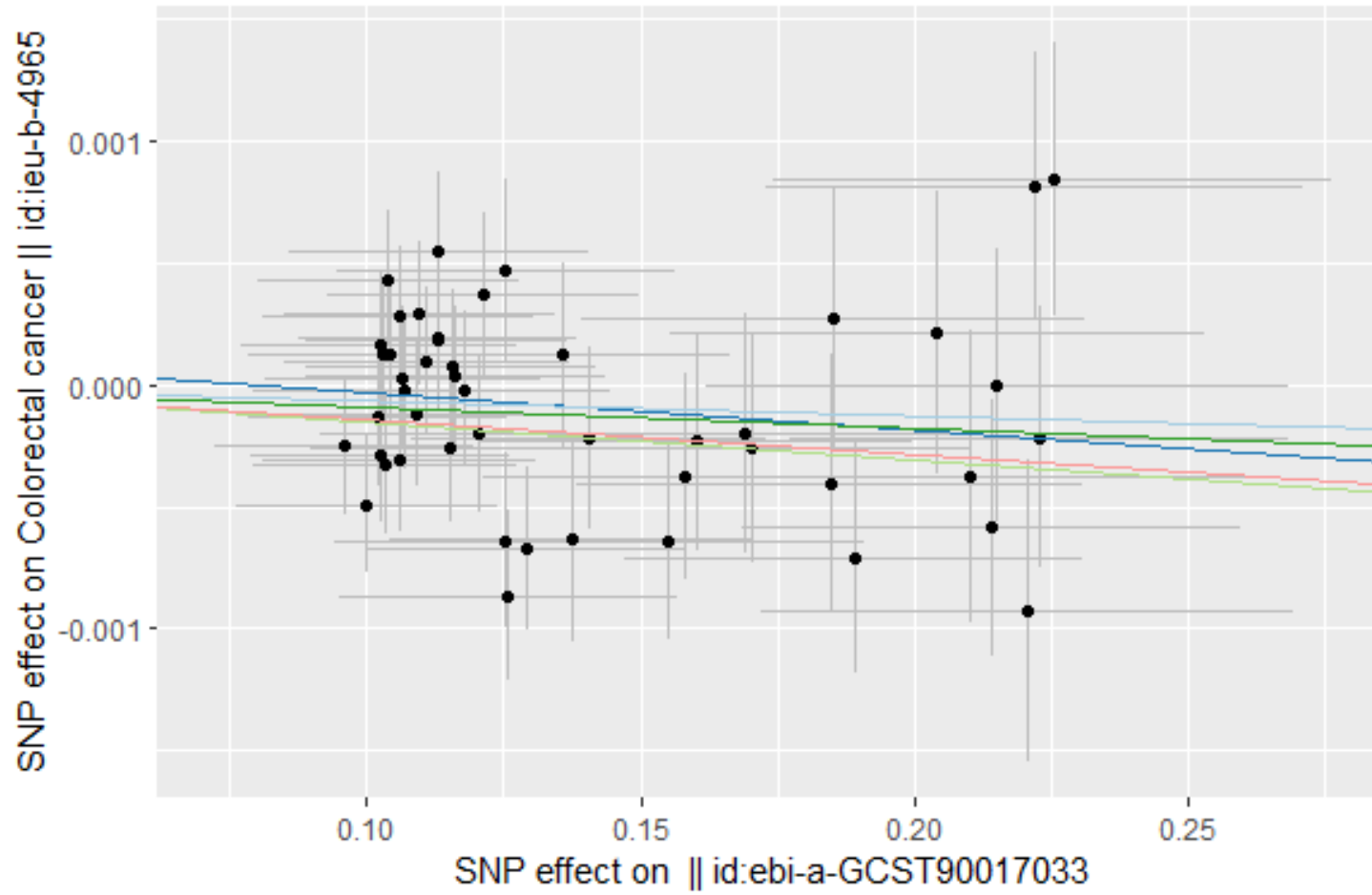
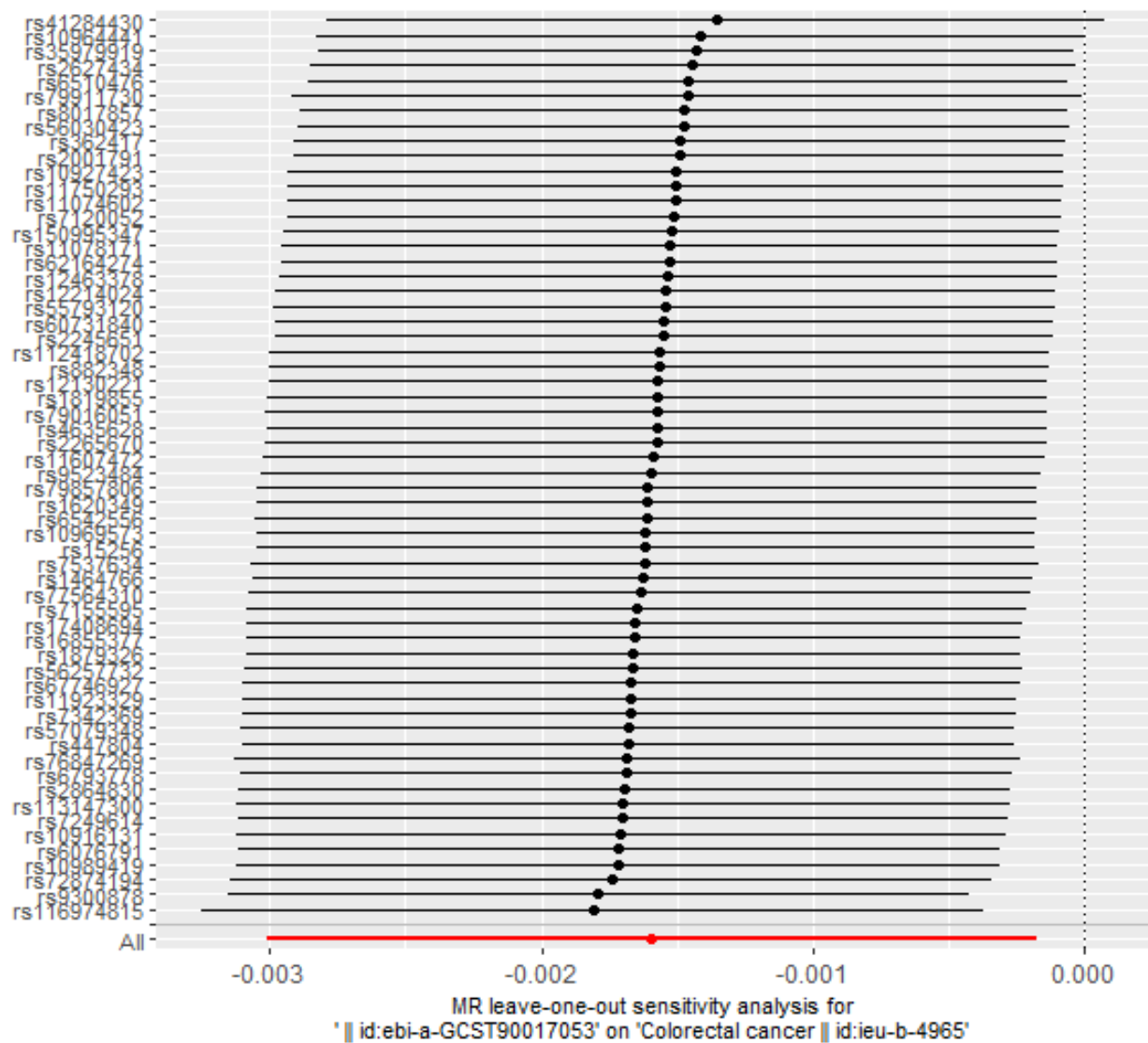
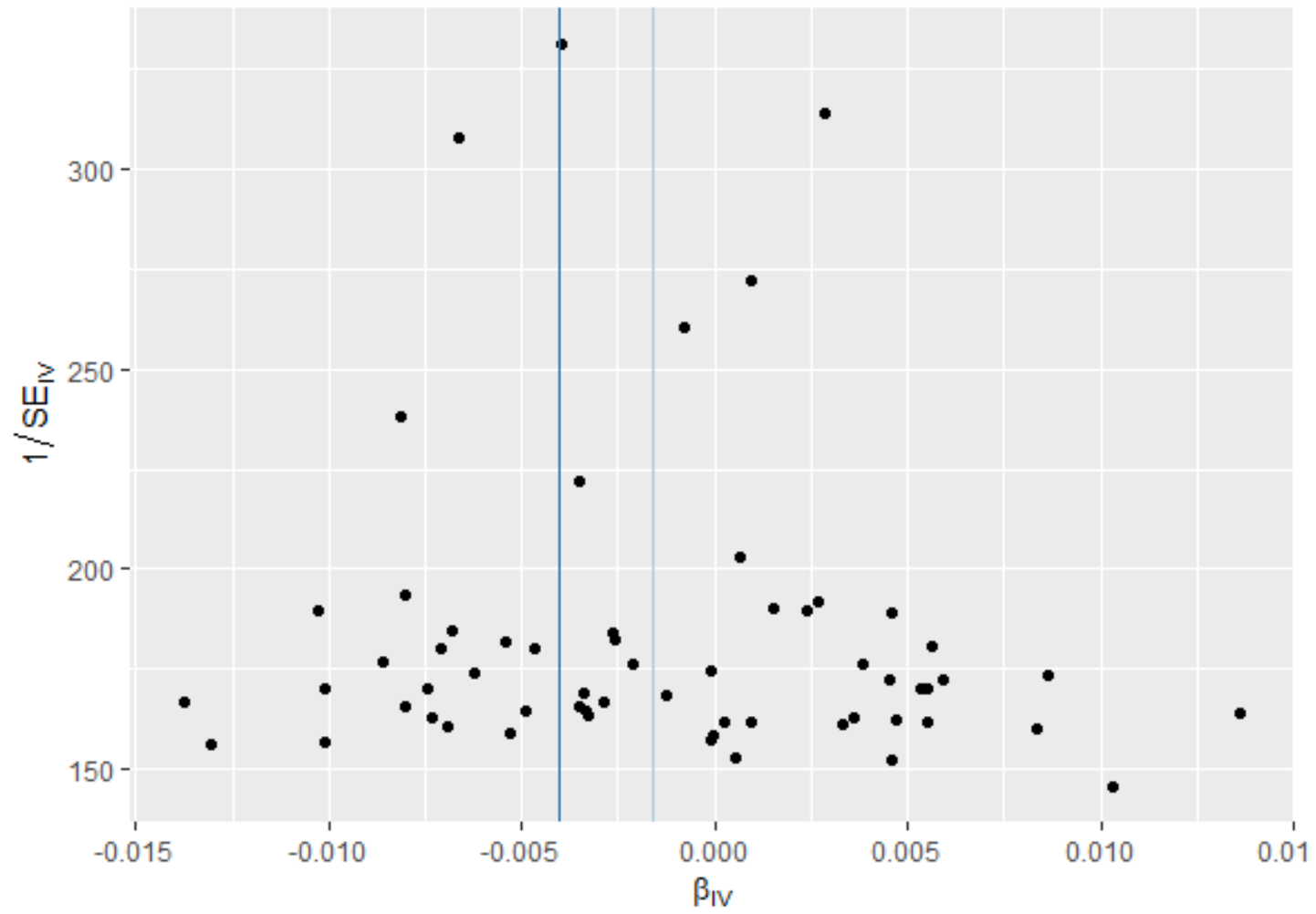


Figure 138 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger



MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

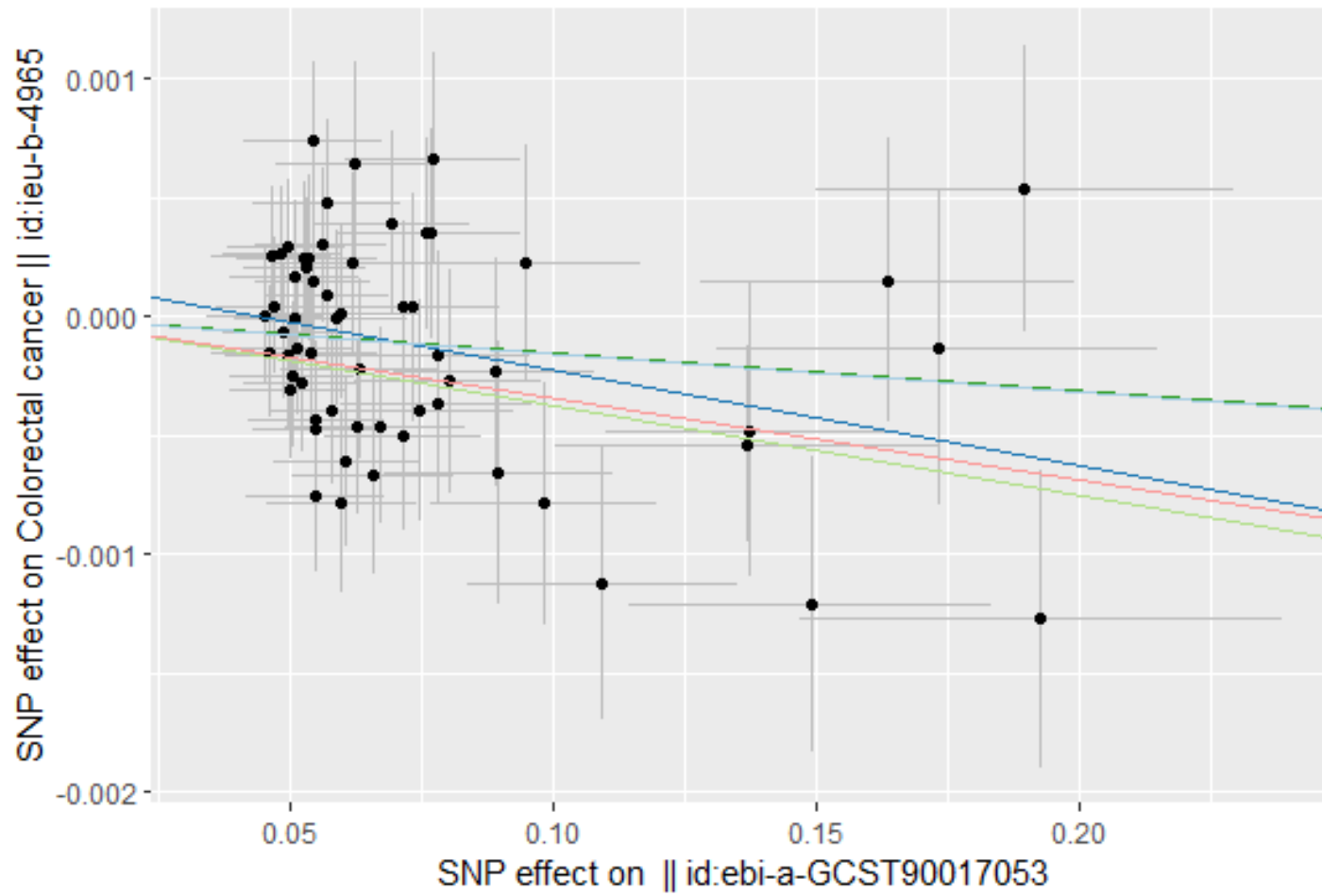
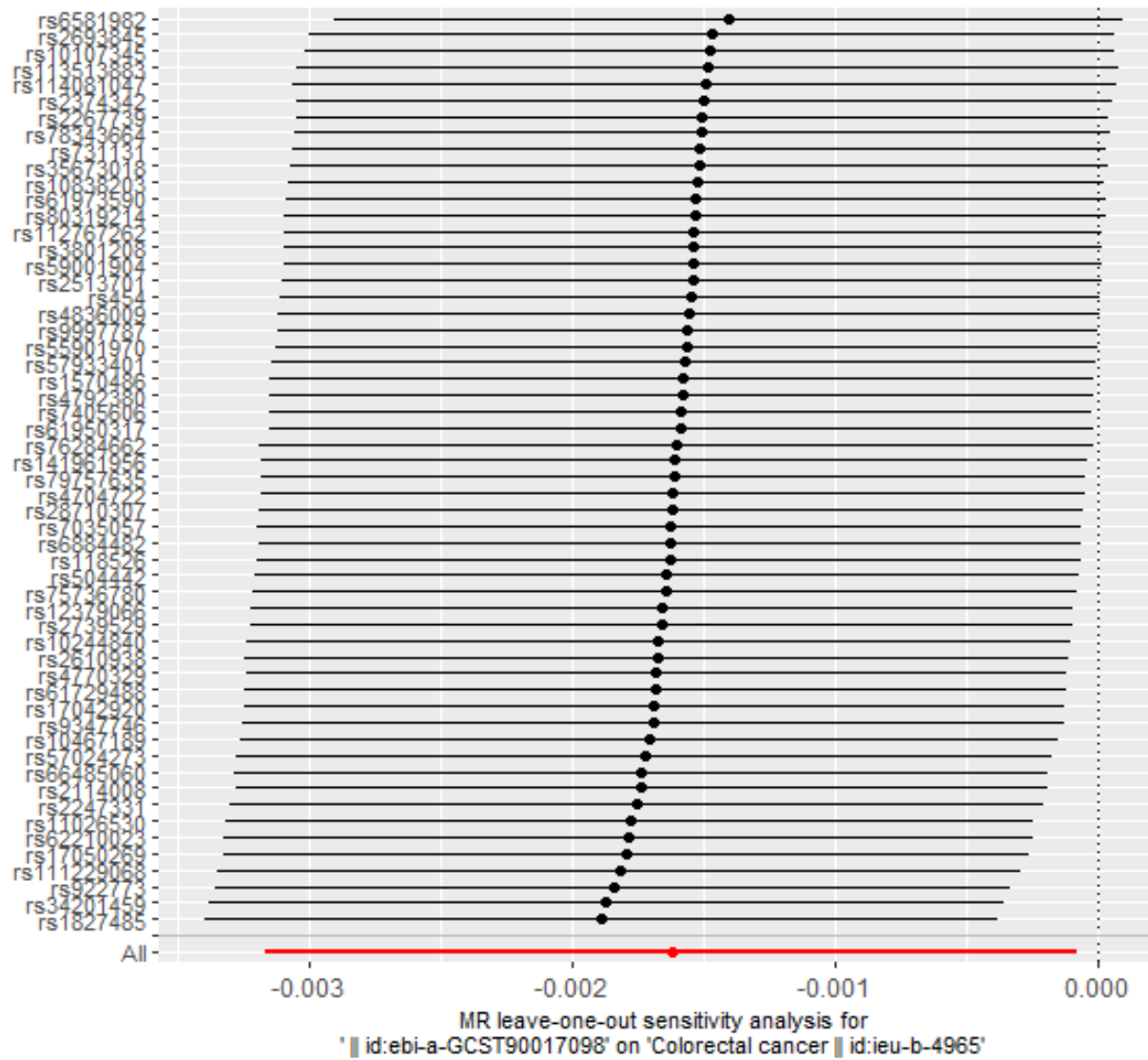
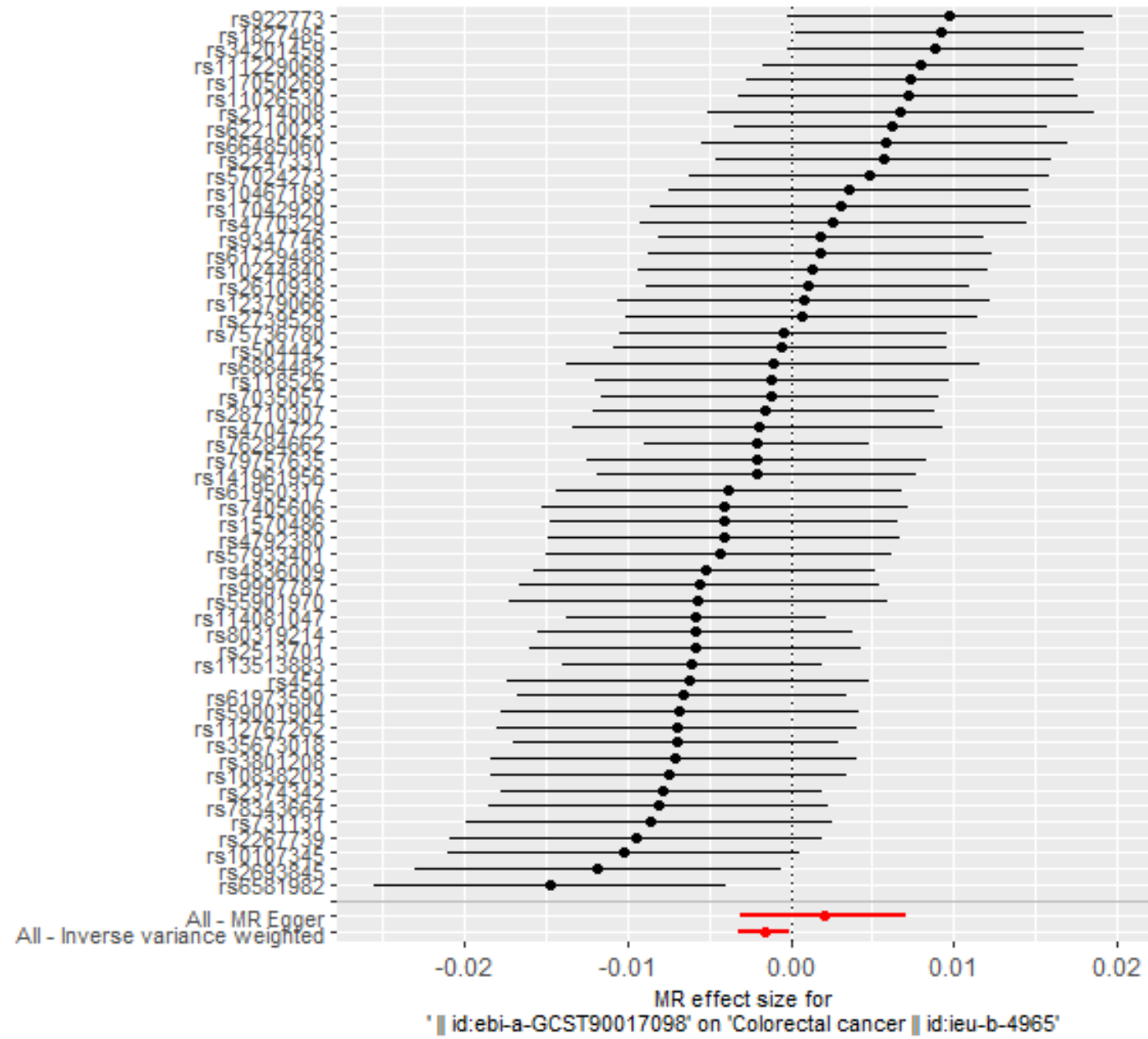


Figure 139 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Enterobacteriales id.3468) on colorectal cancer





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

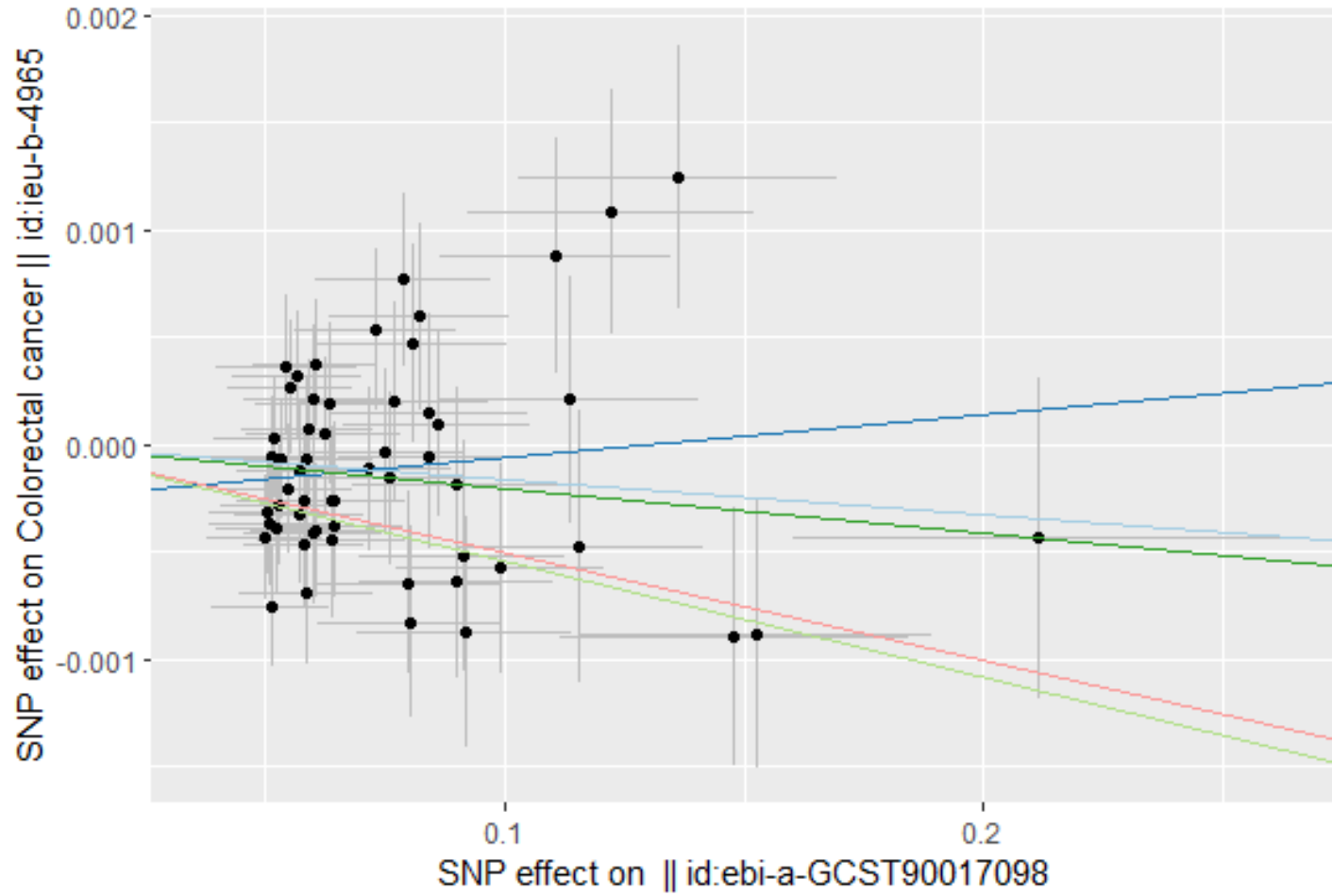
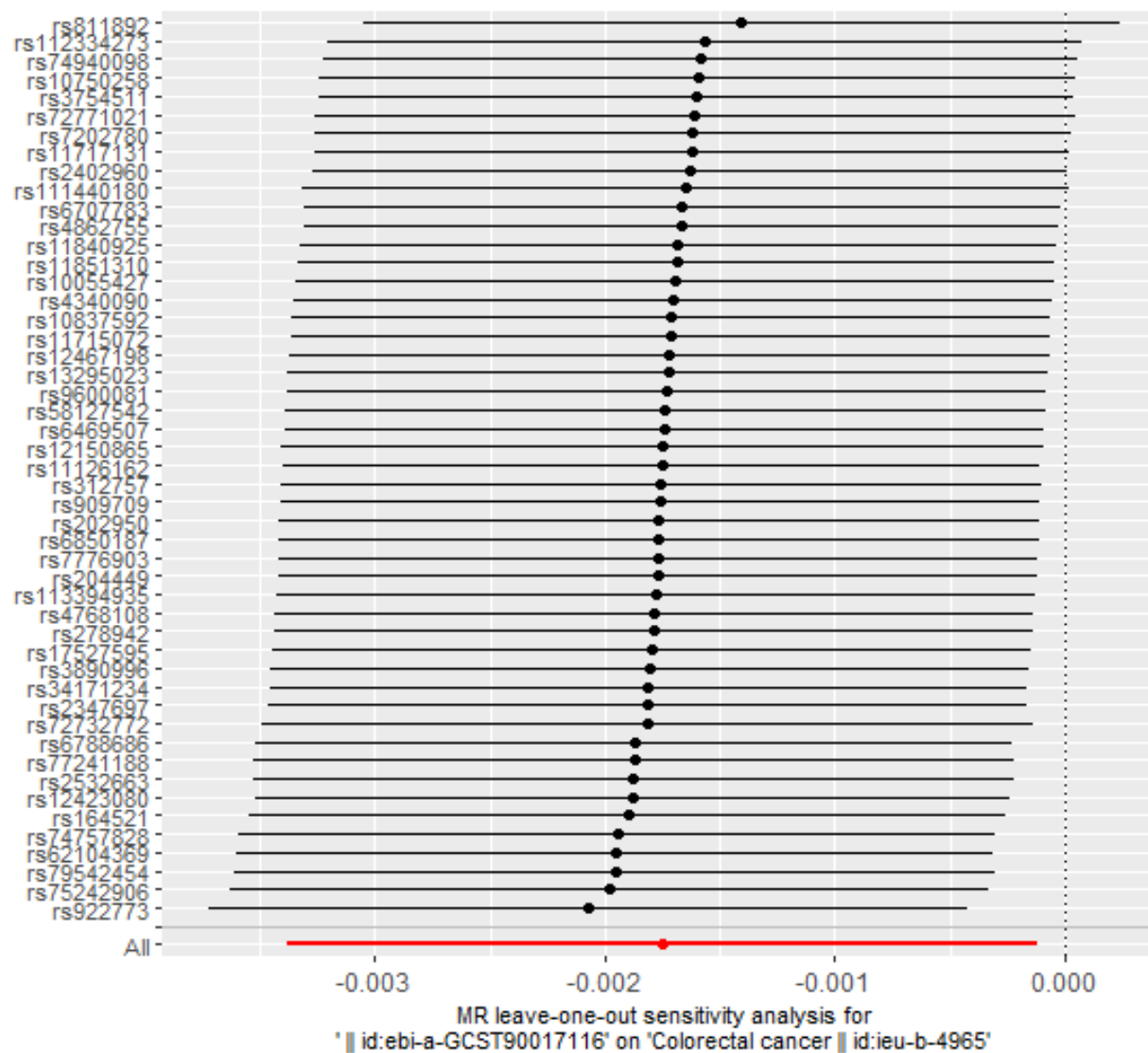
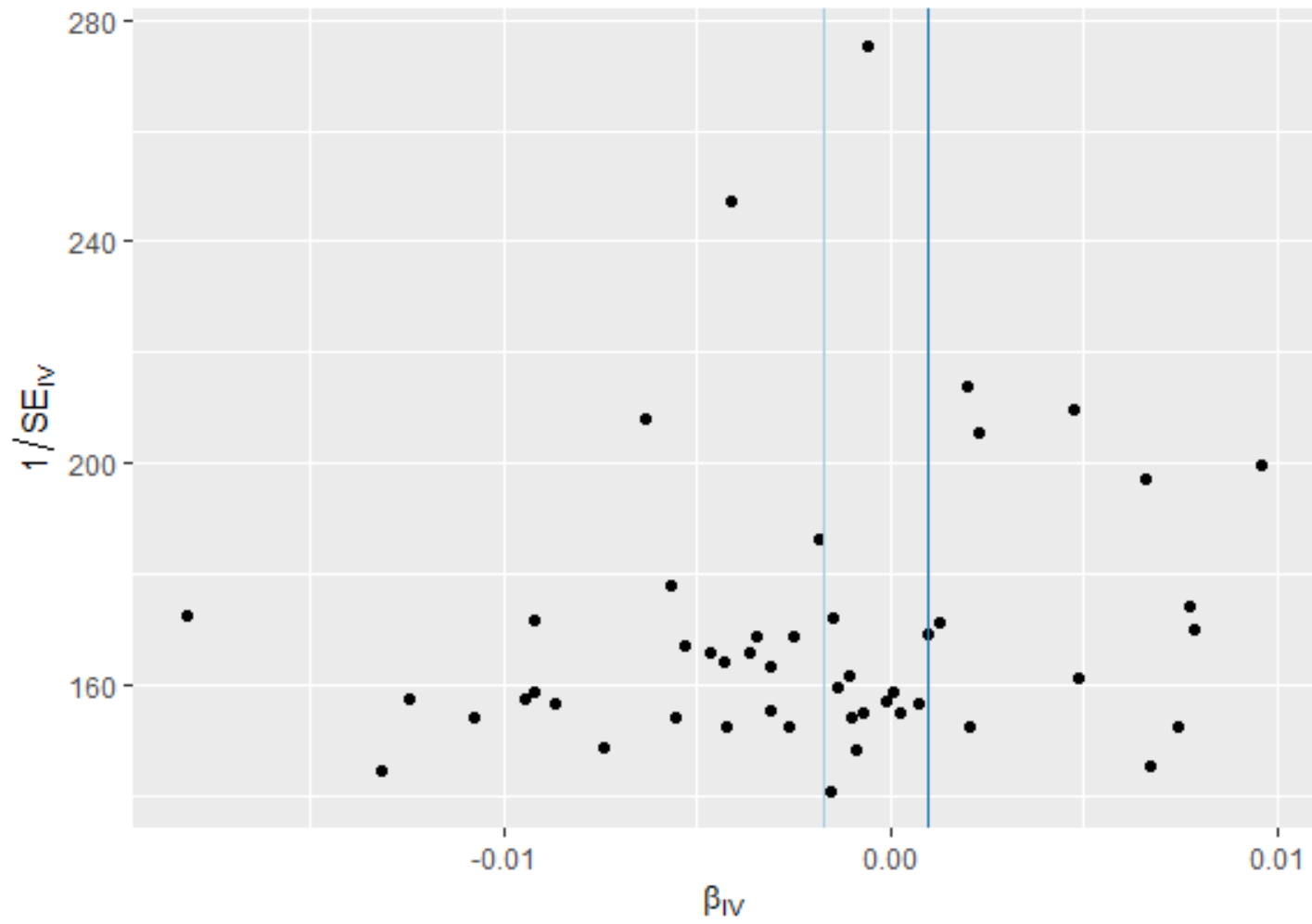


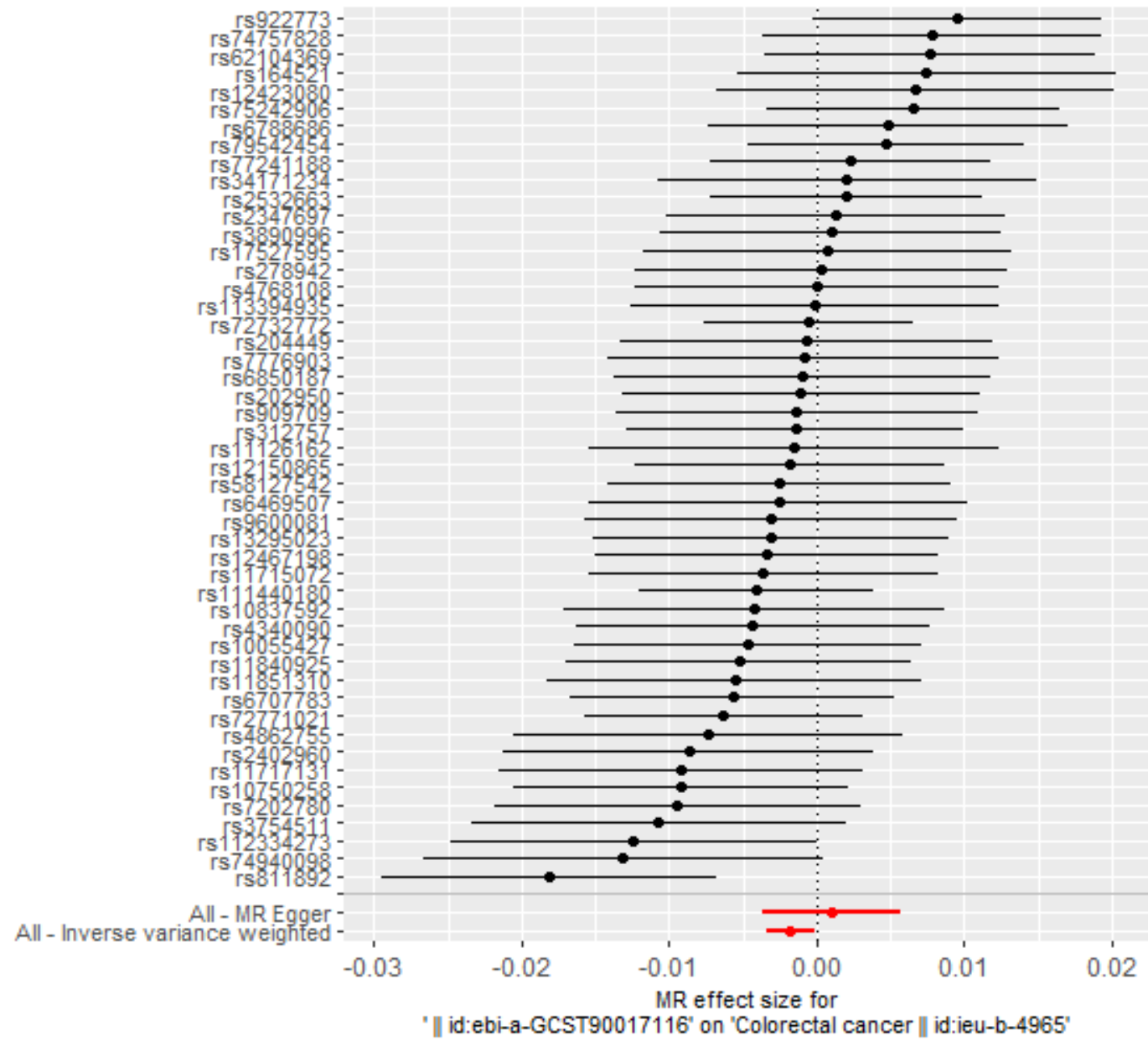
Figure 140 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Proteobacteria id.2375) on colorectal cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

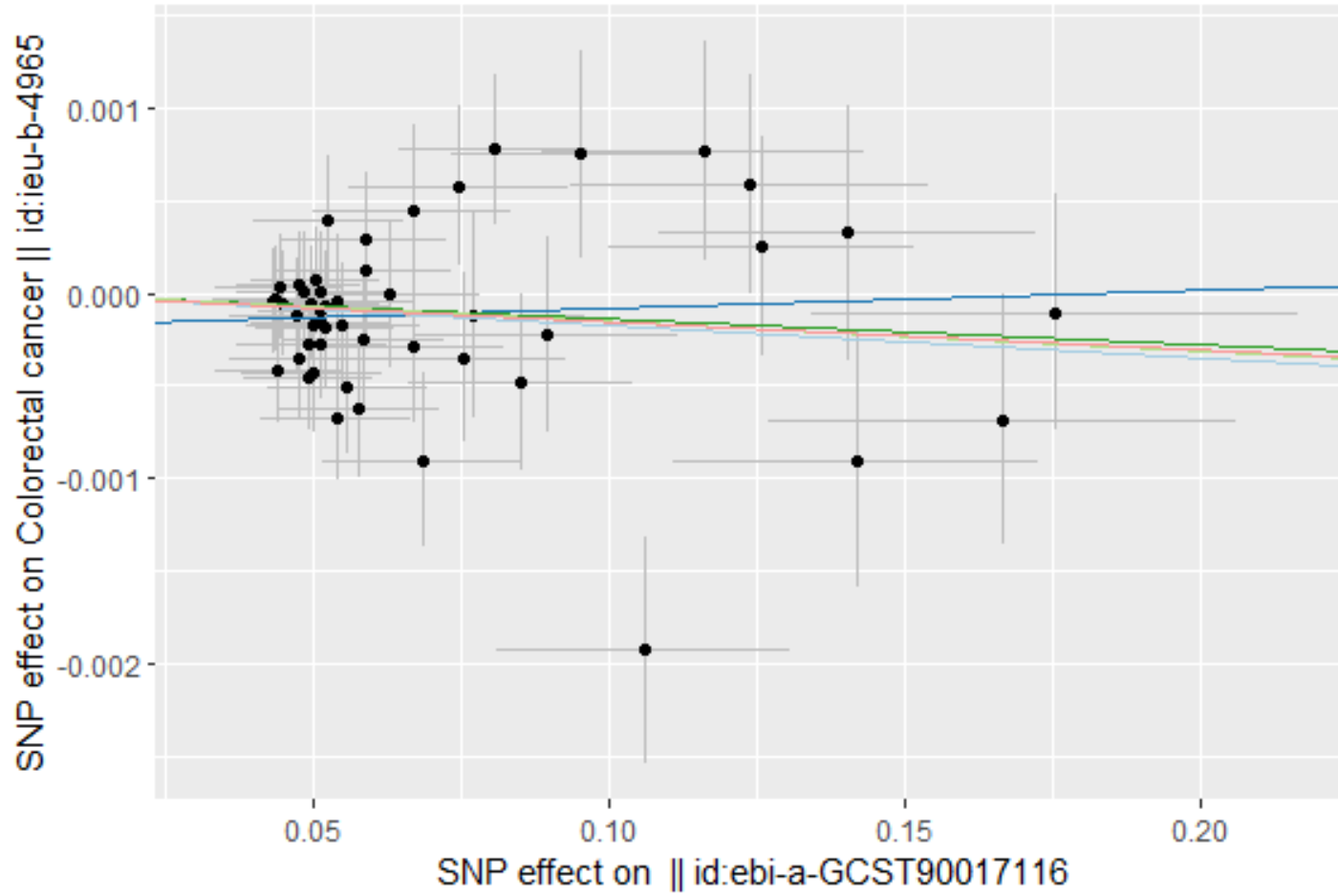
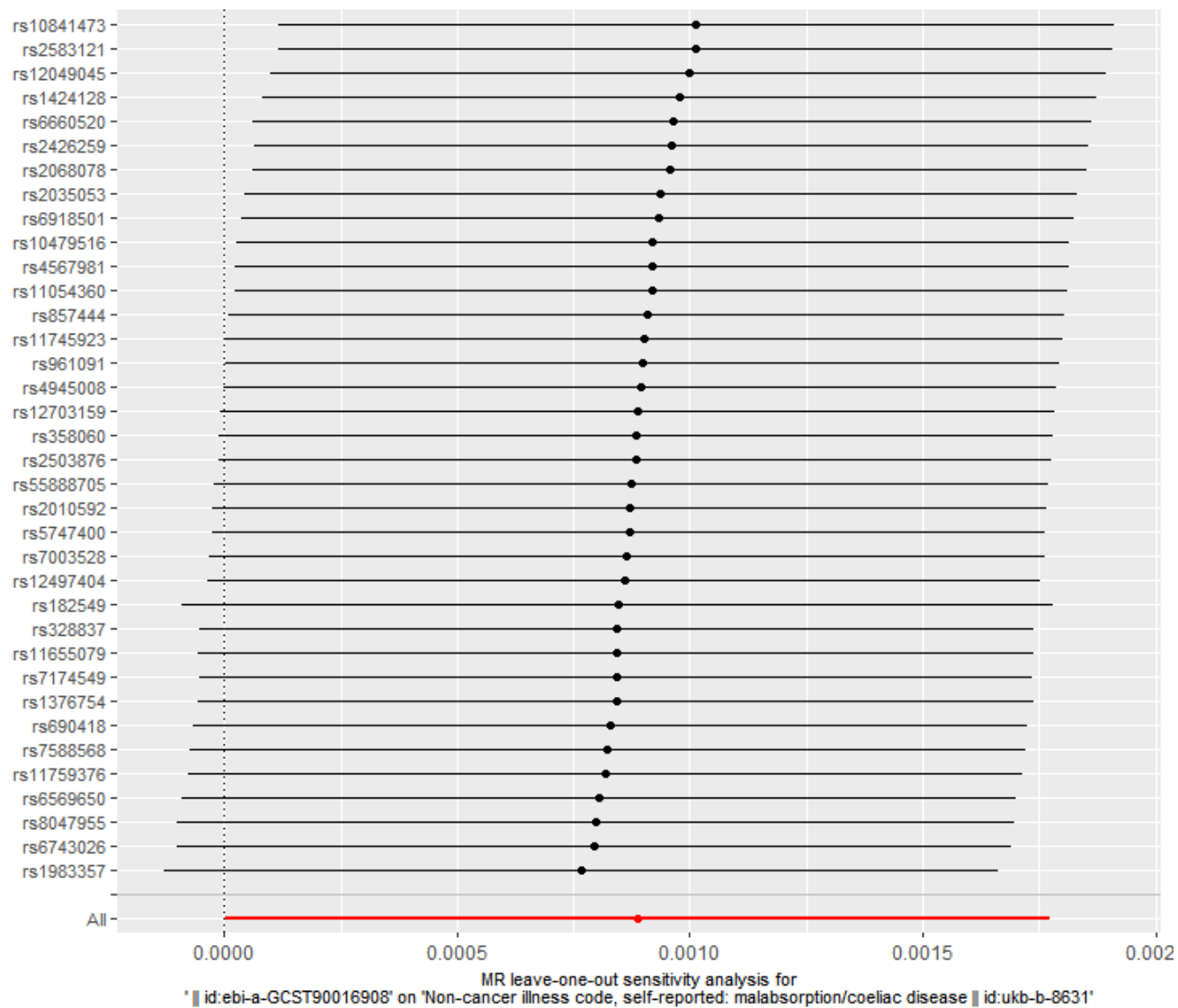
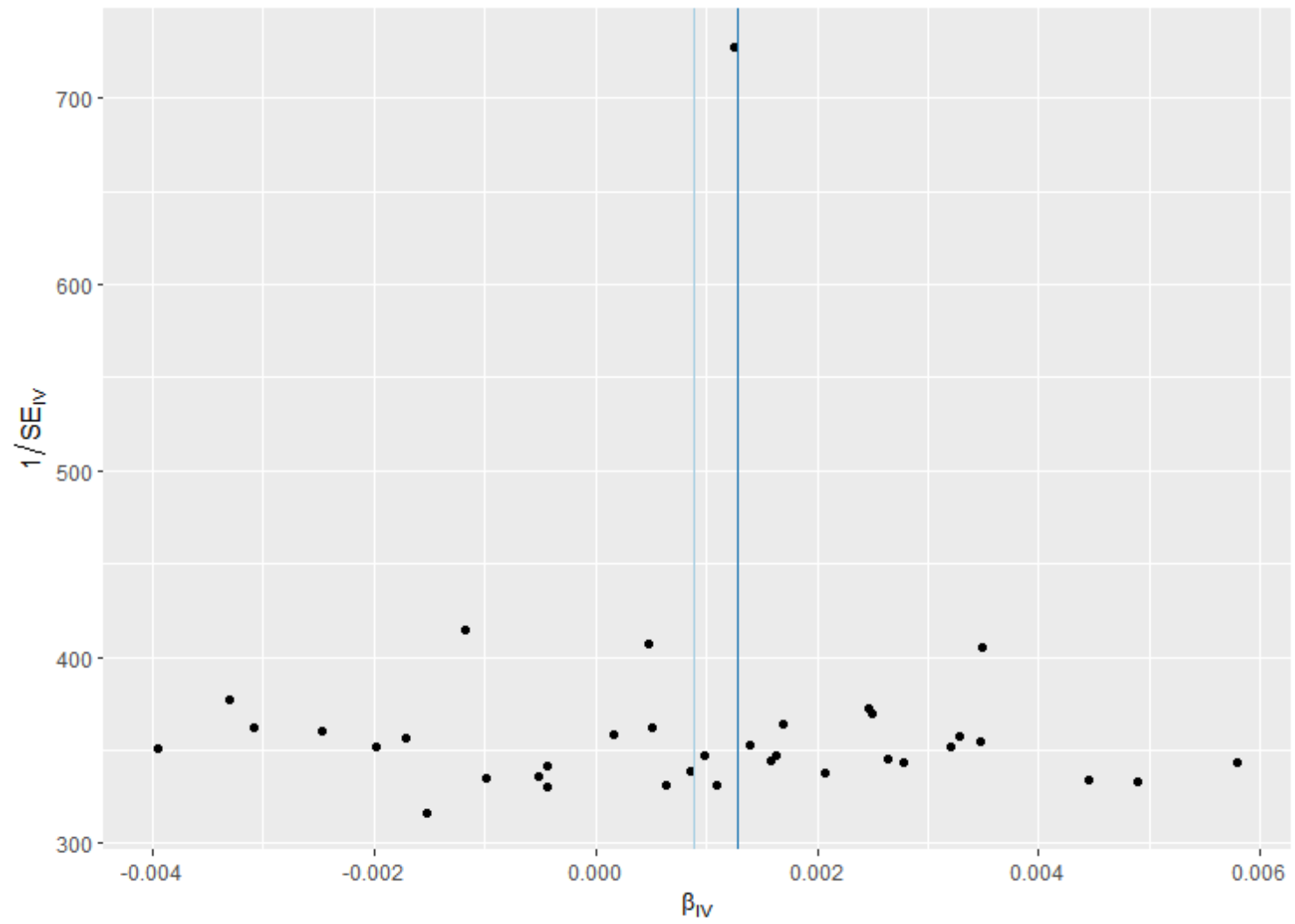


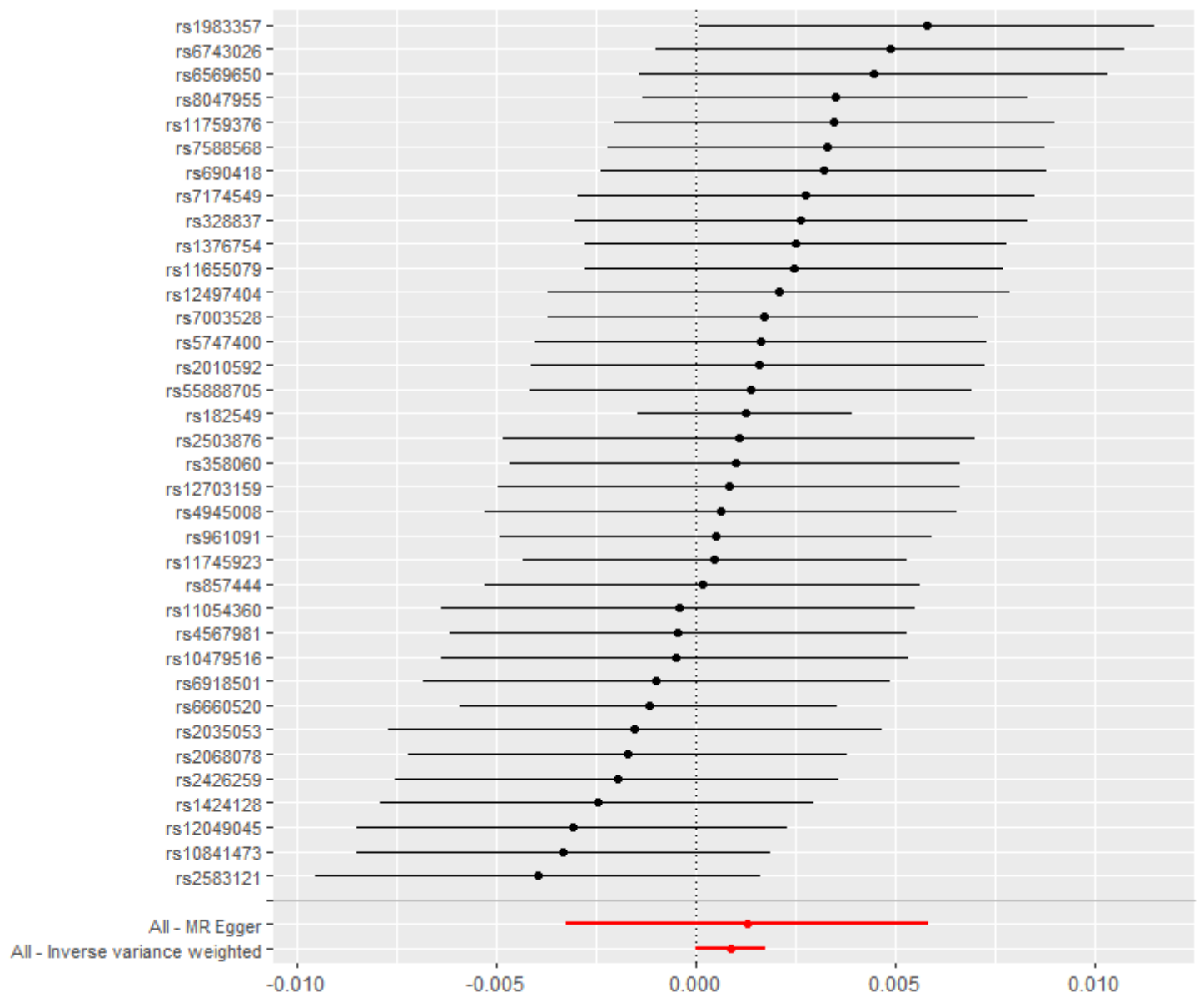
Figure 141 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Actinobacteria id.419) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





Effect on Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

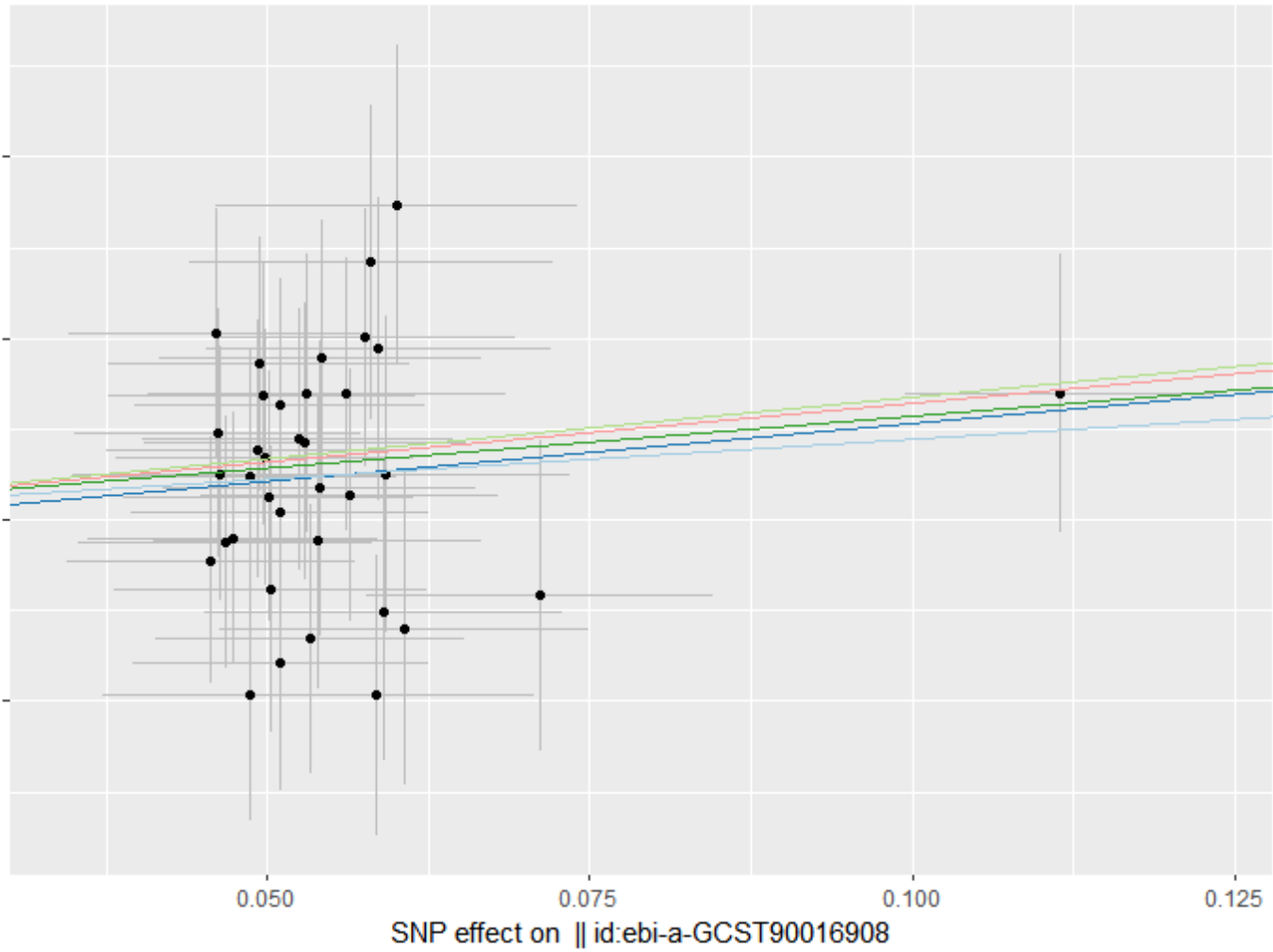
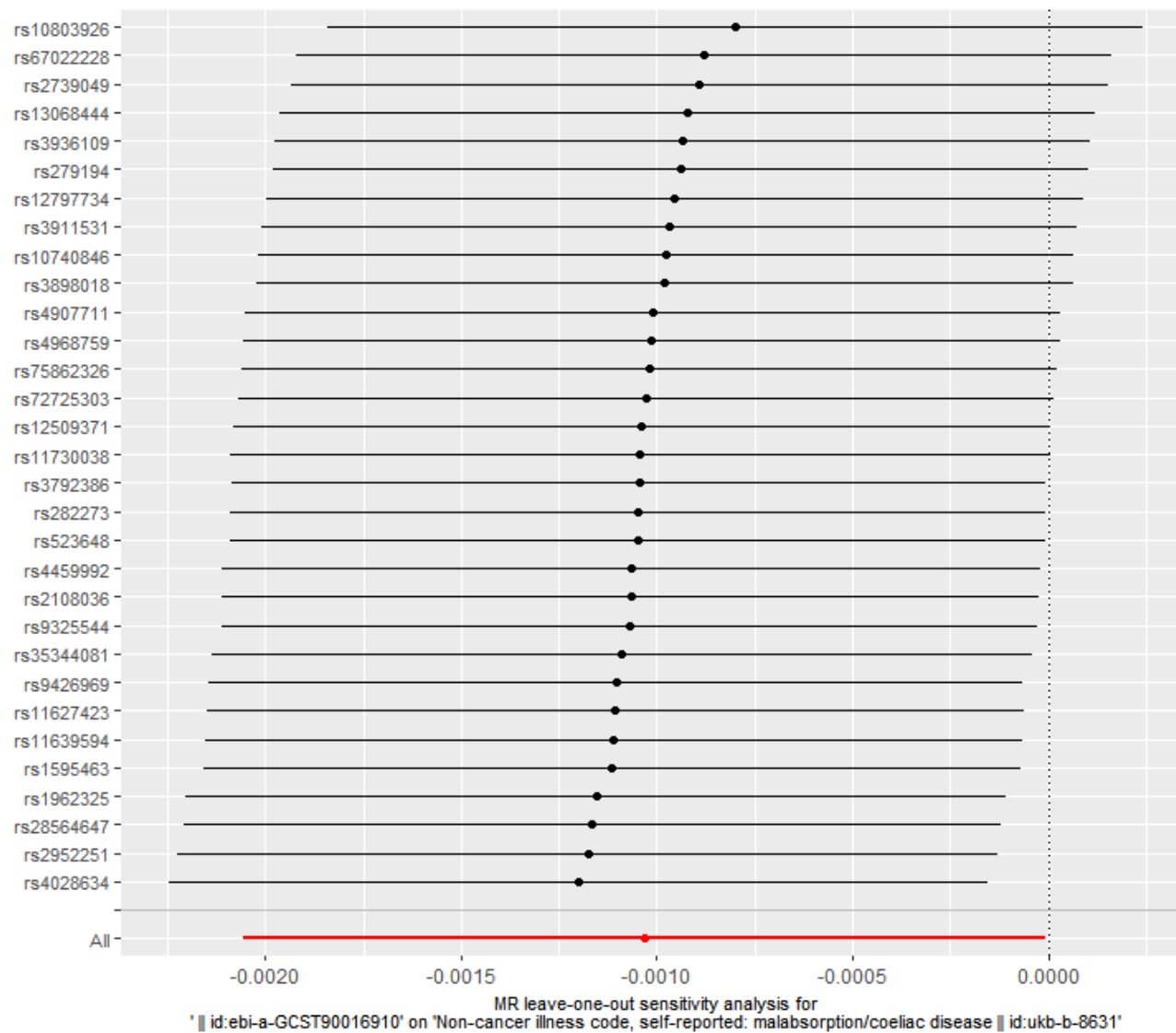
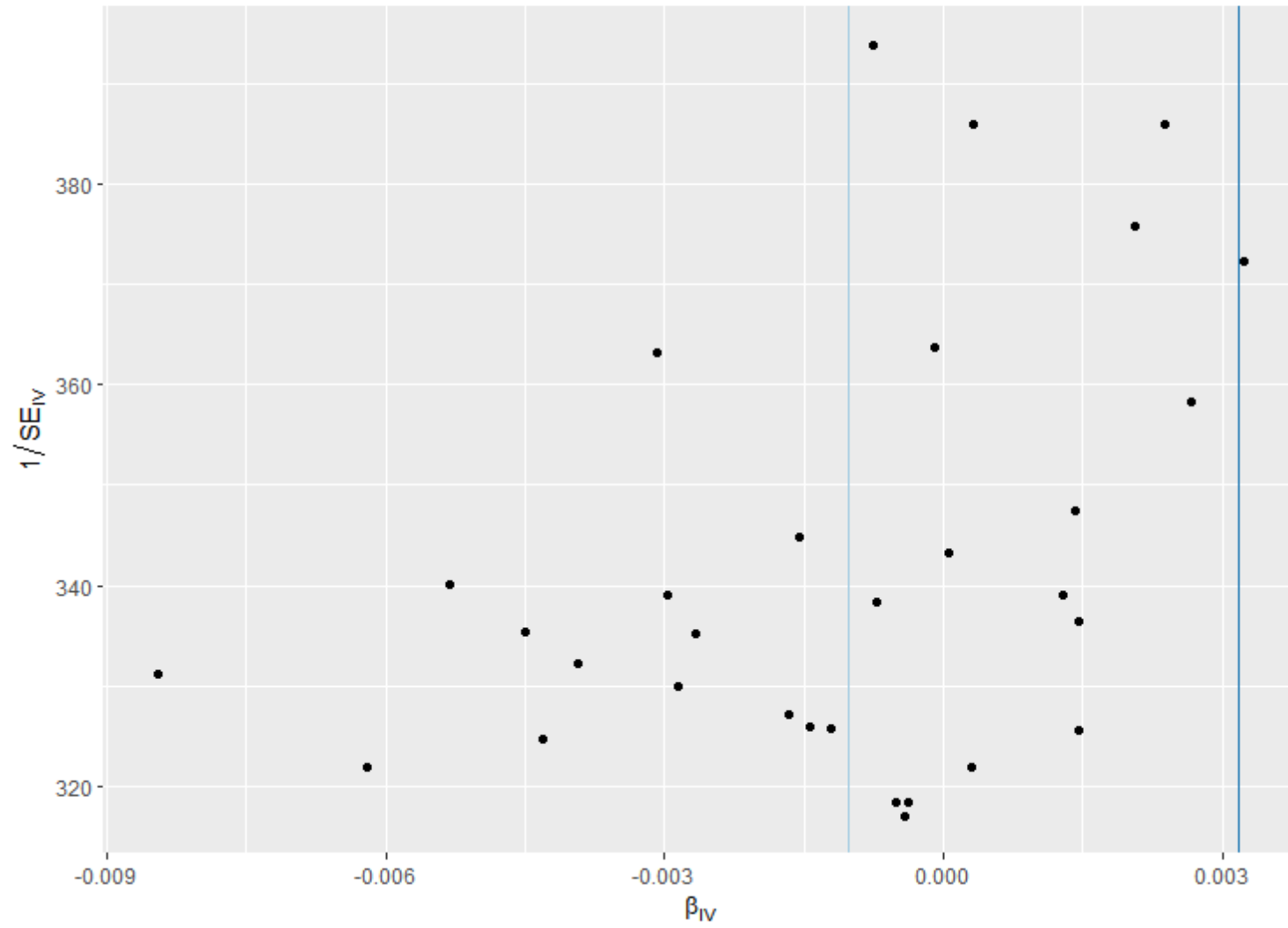


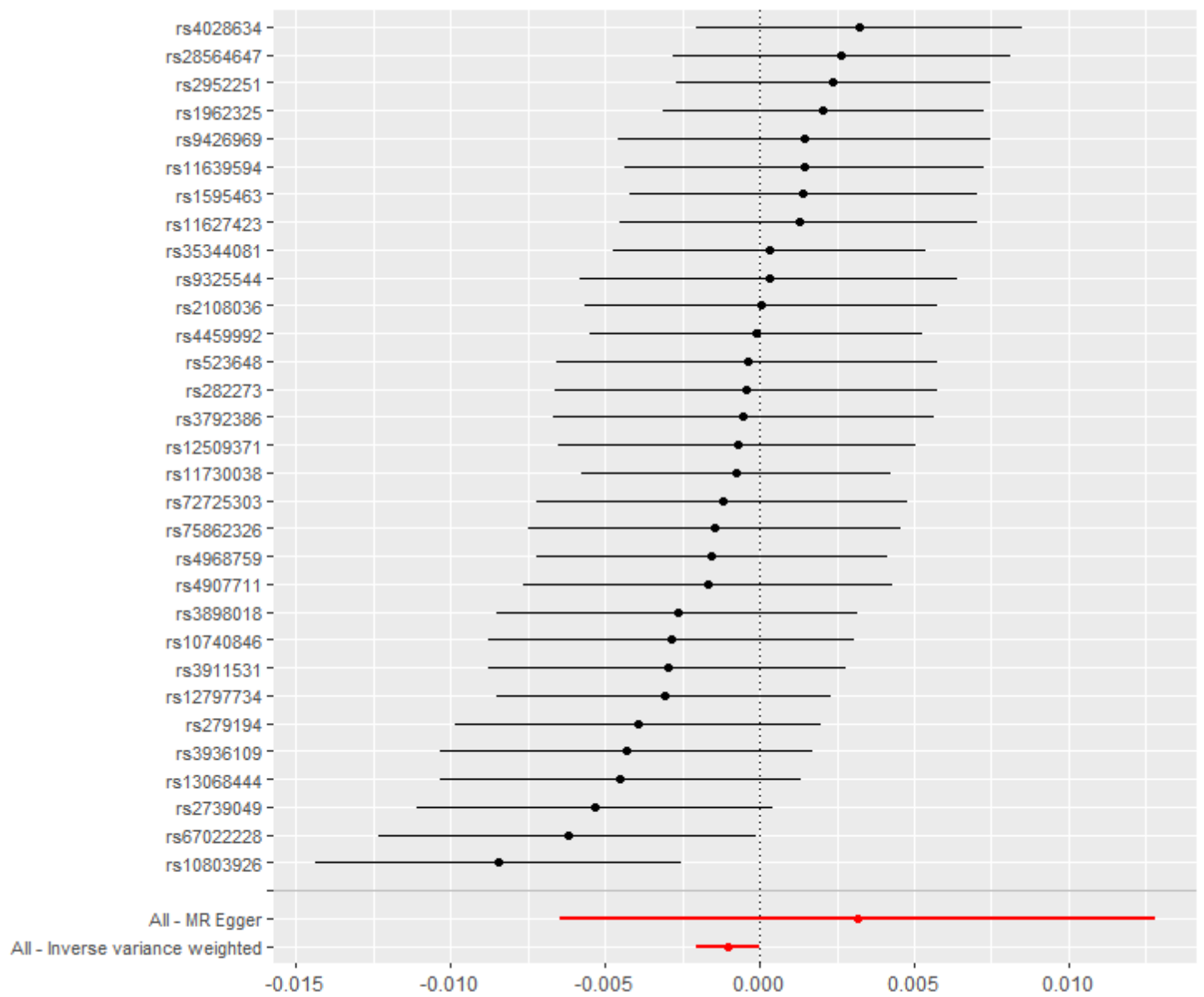
Figure 142 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Bacilli id.1673) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





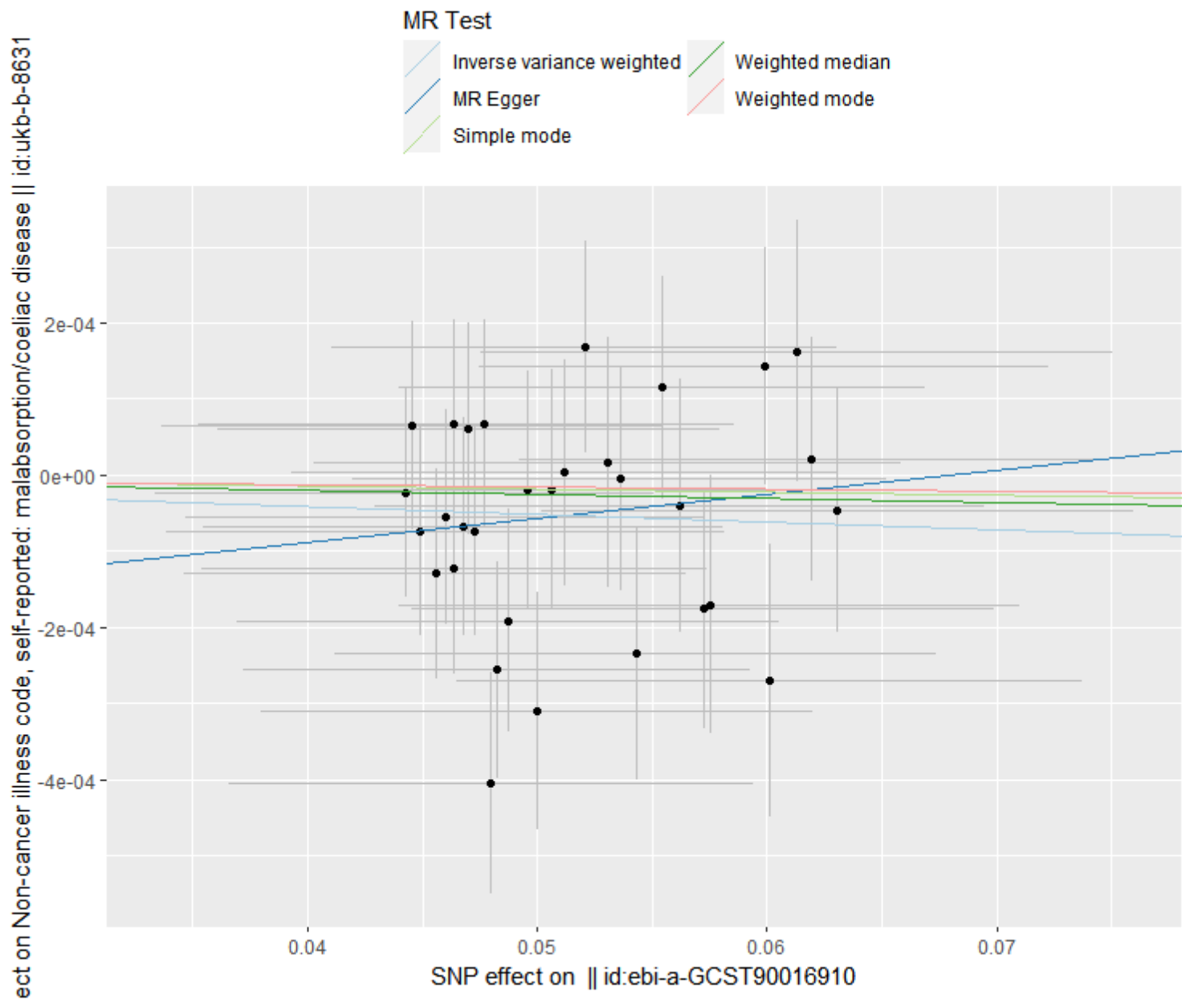
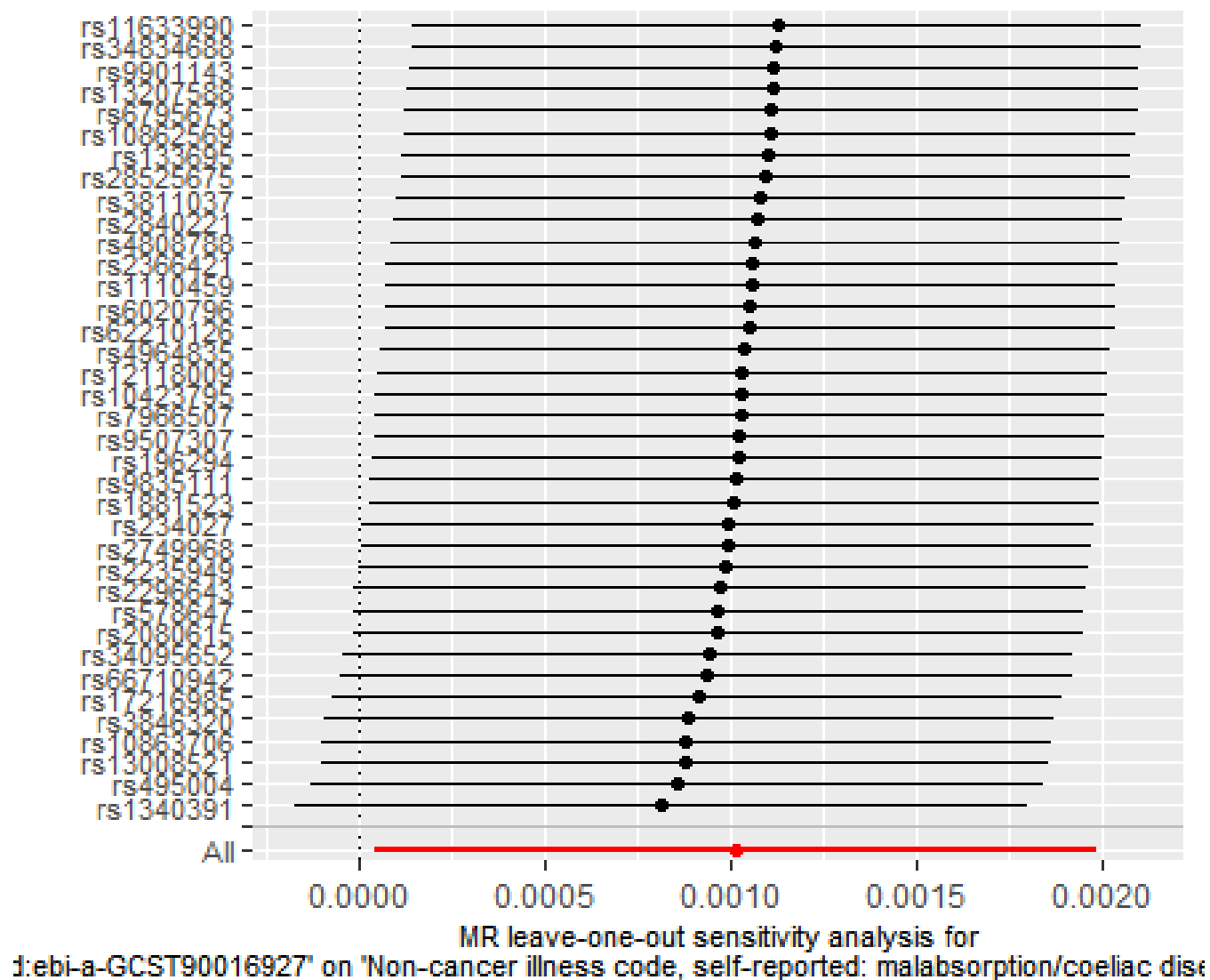
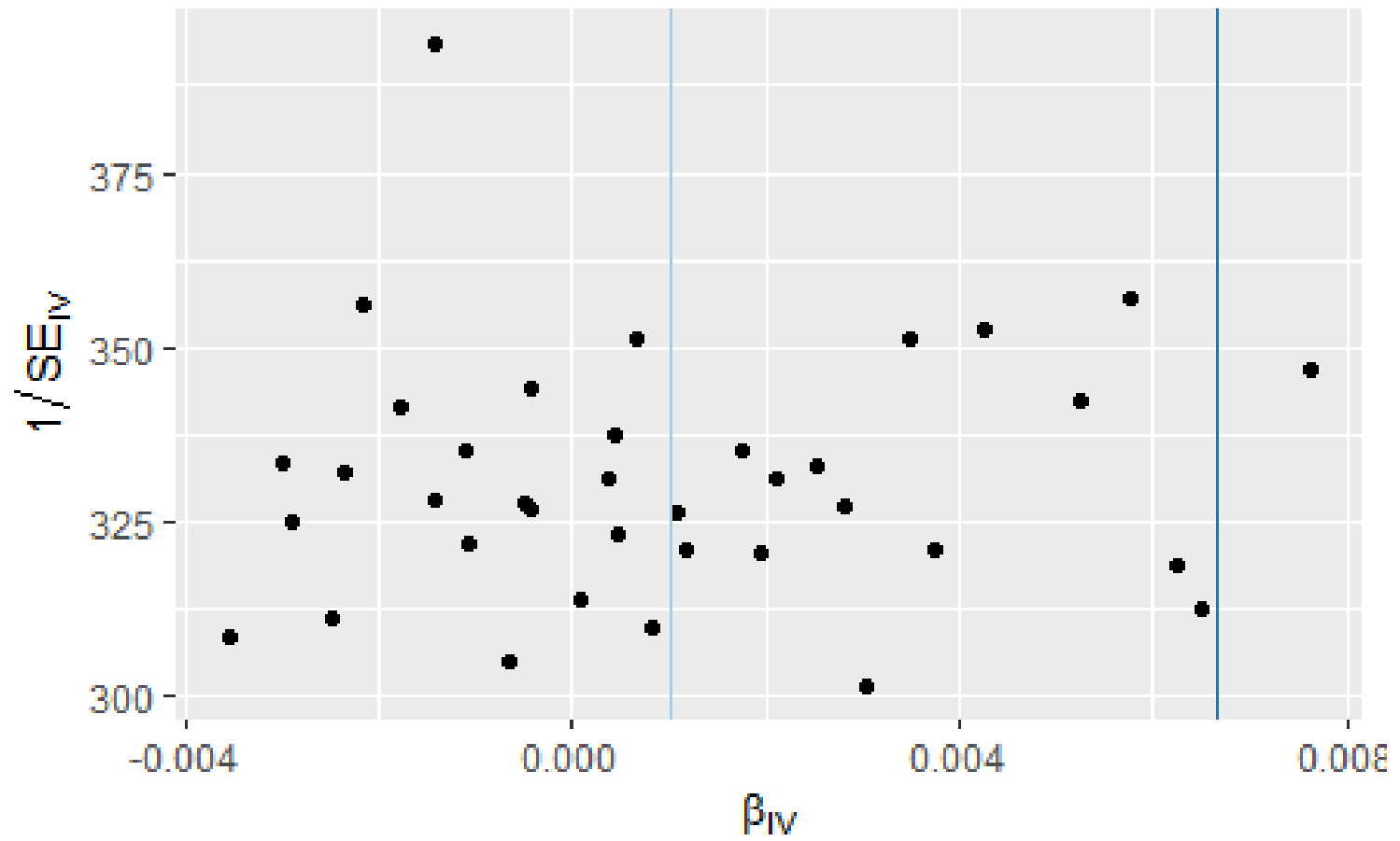


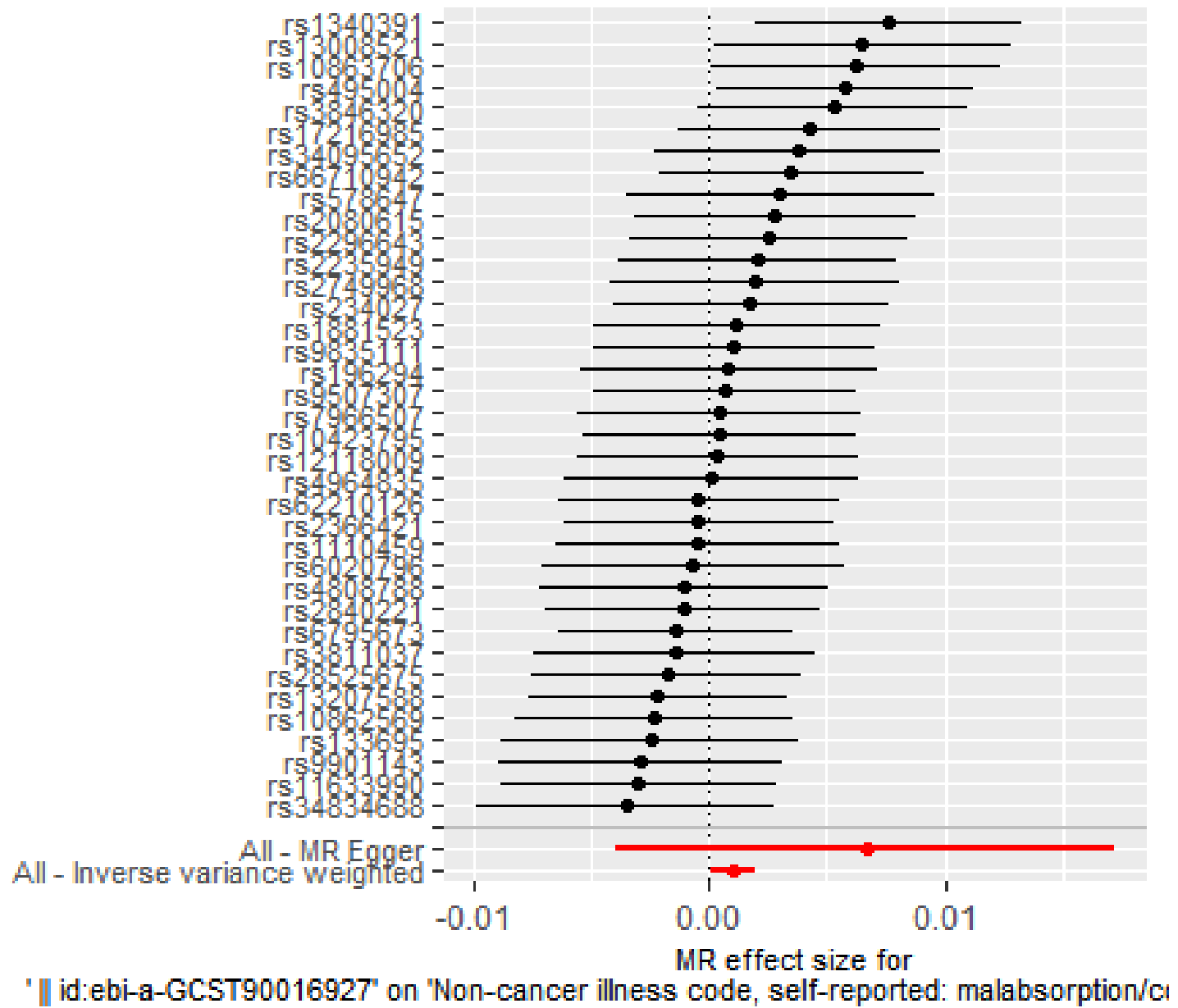
Figure 143 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Bacteroidaceae id.917) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





Illness code, self-reported: malabsorption/coeliac disease ||

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

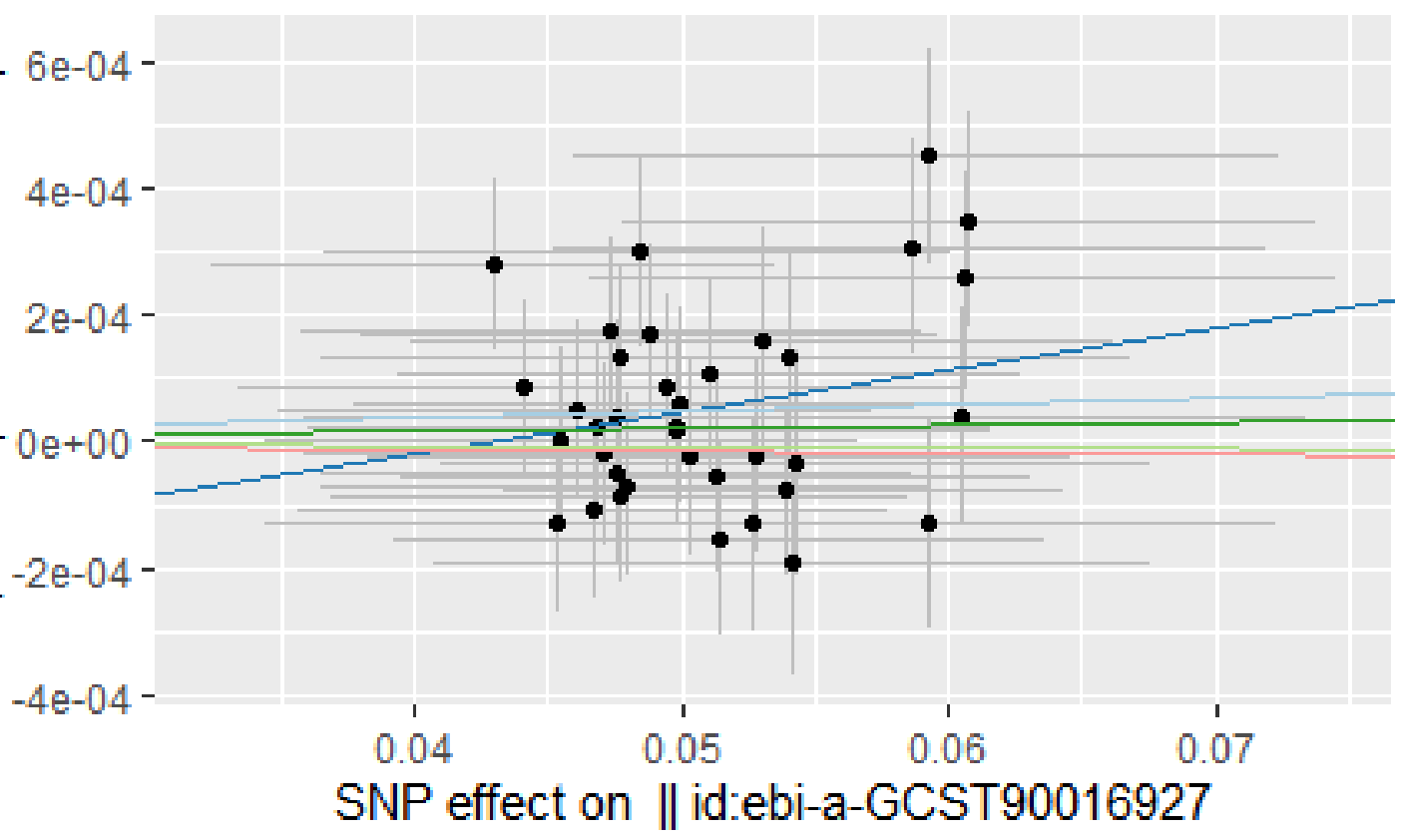
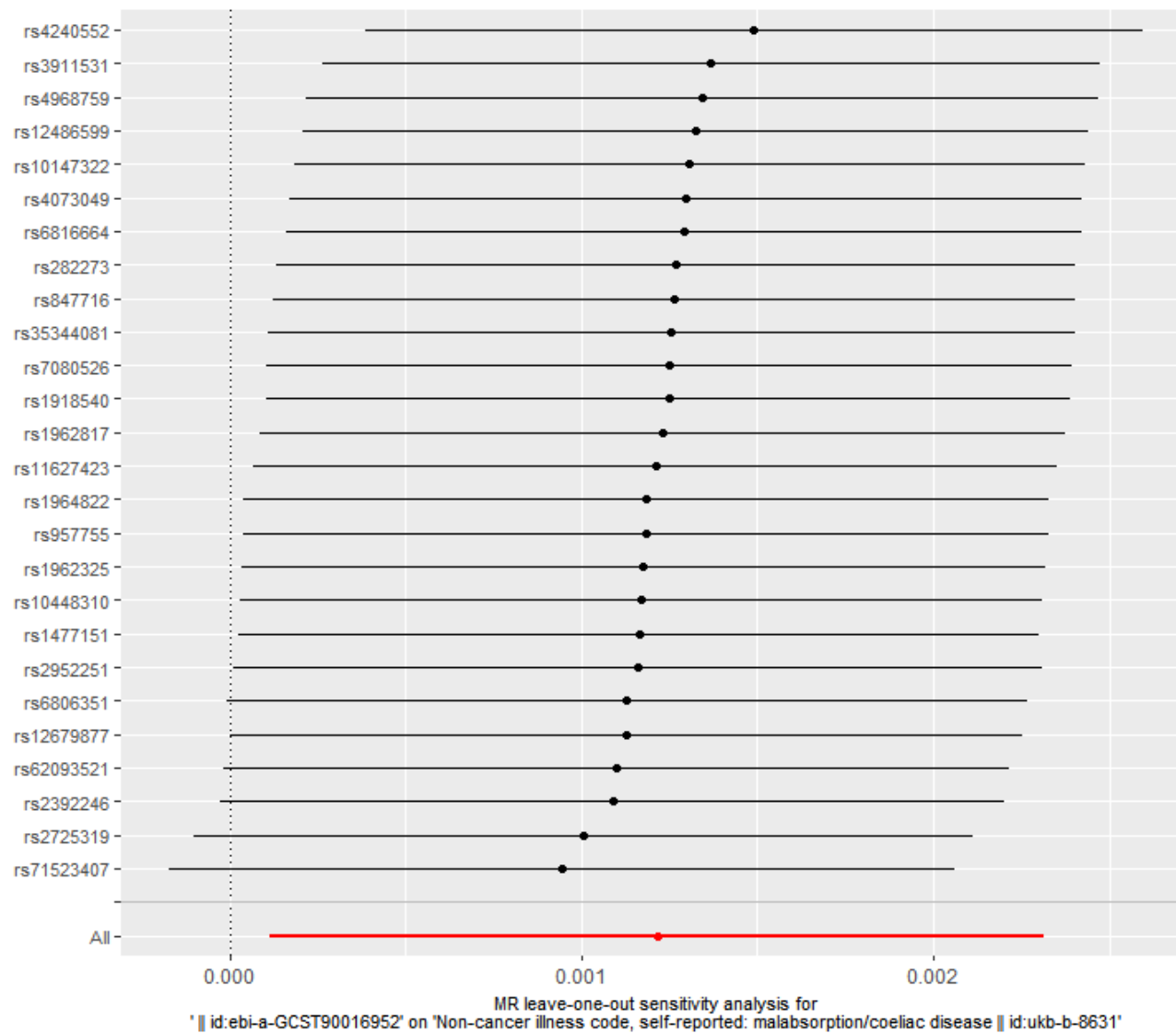
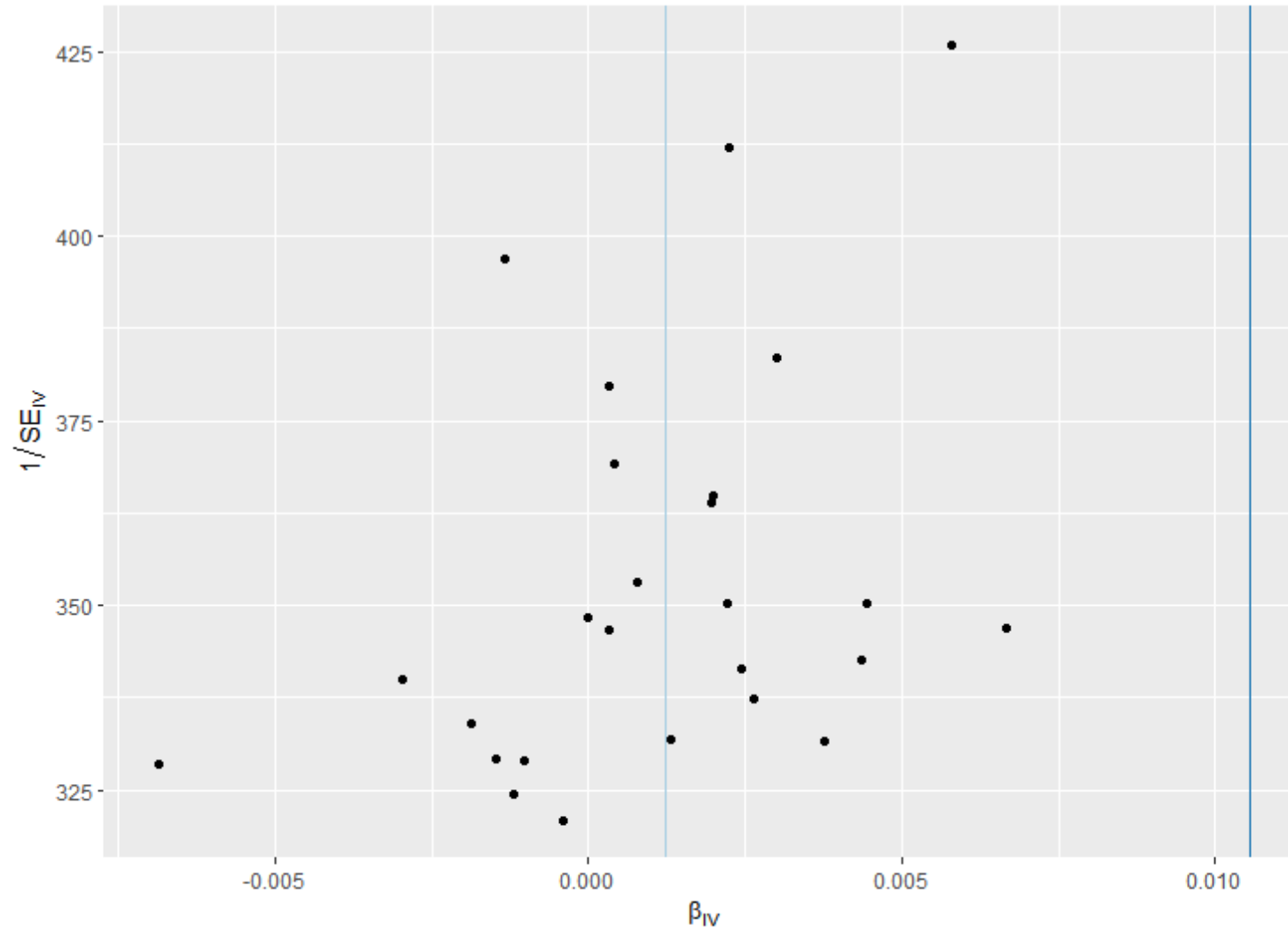


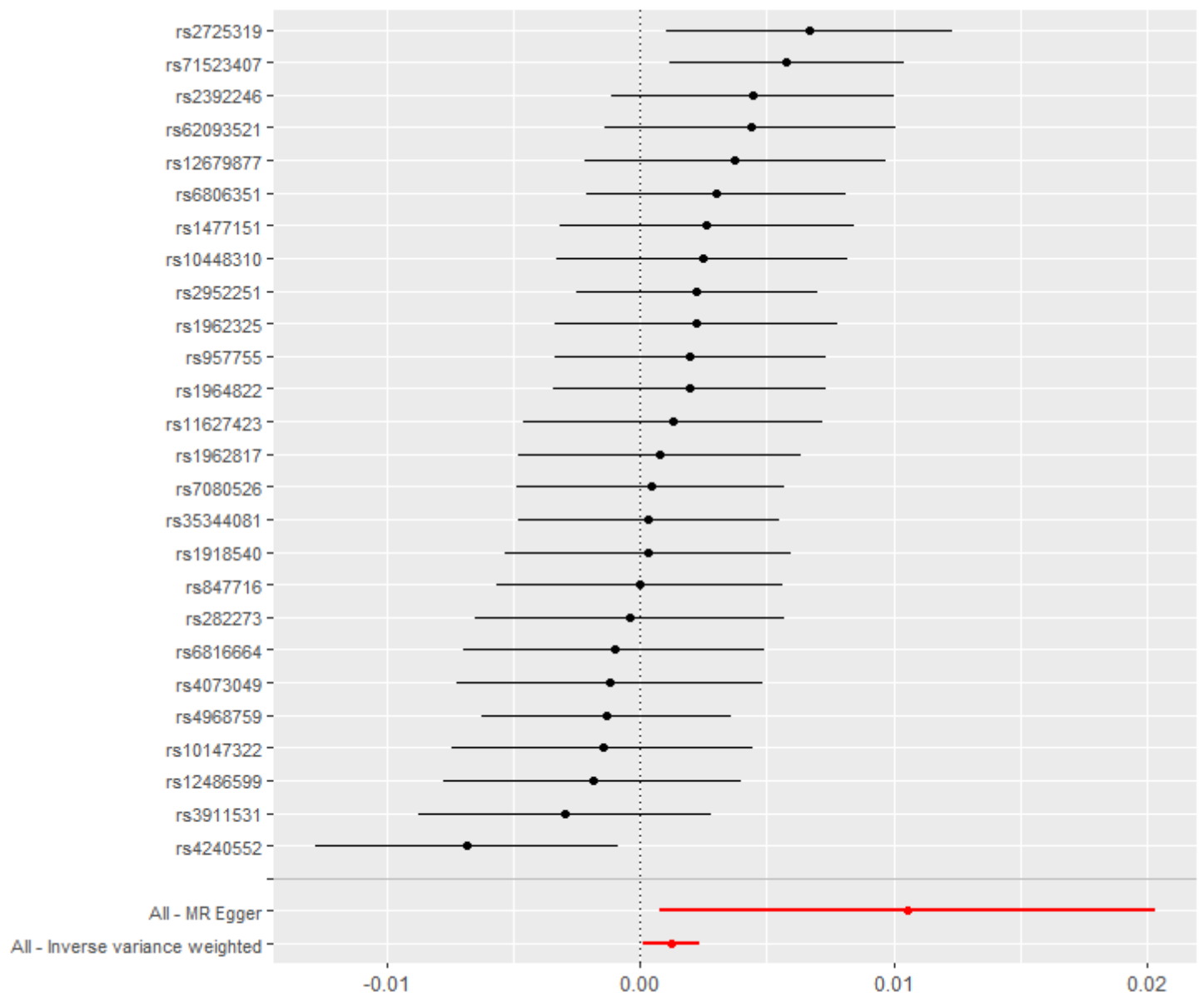
Figure 144 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Streptococcaceae id.1850) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





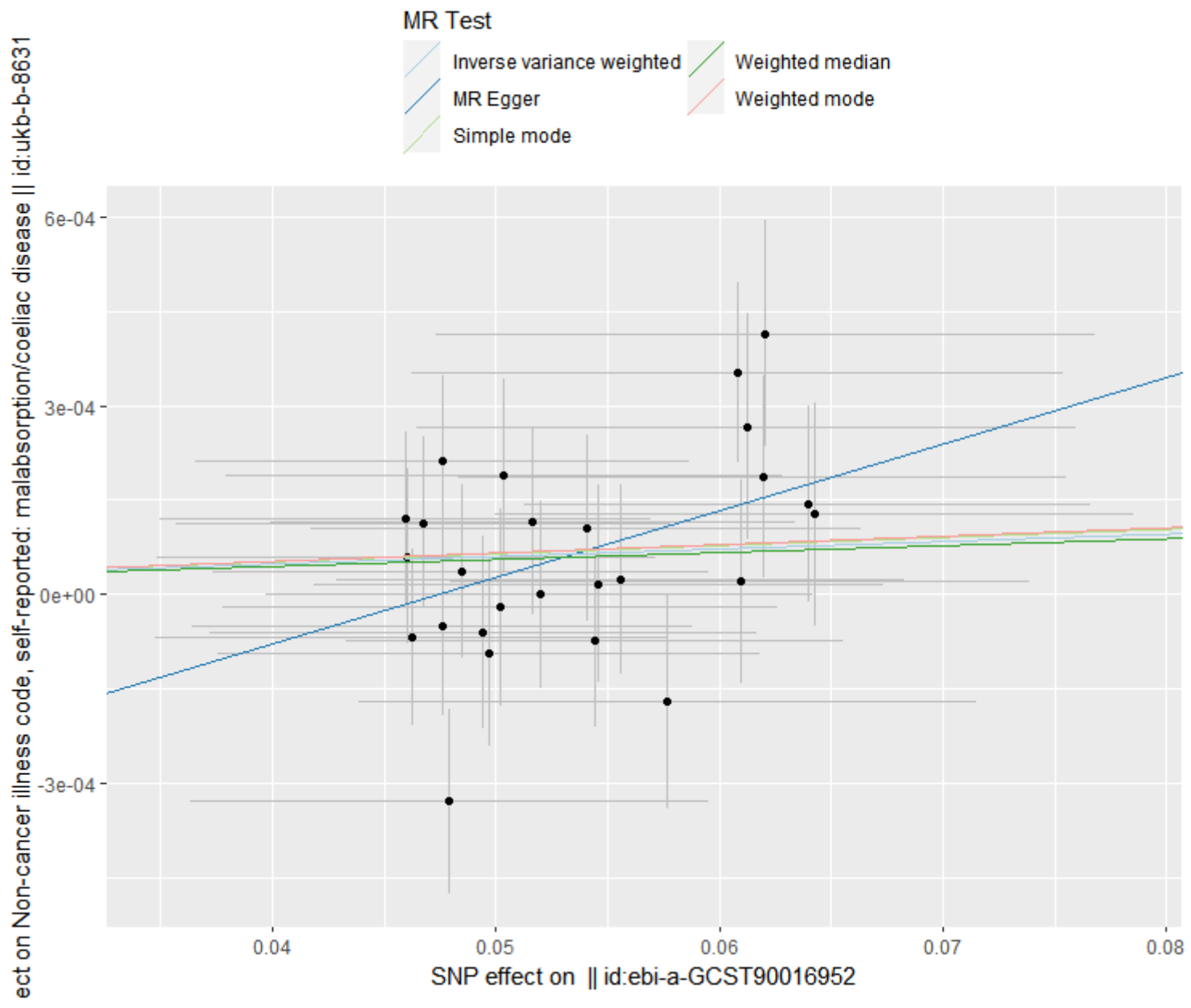
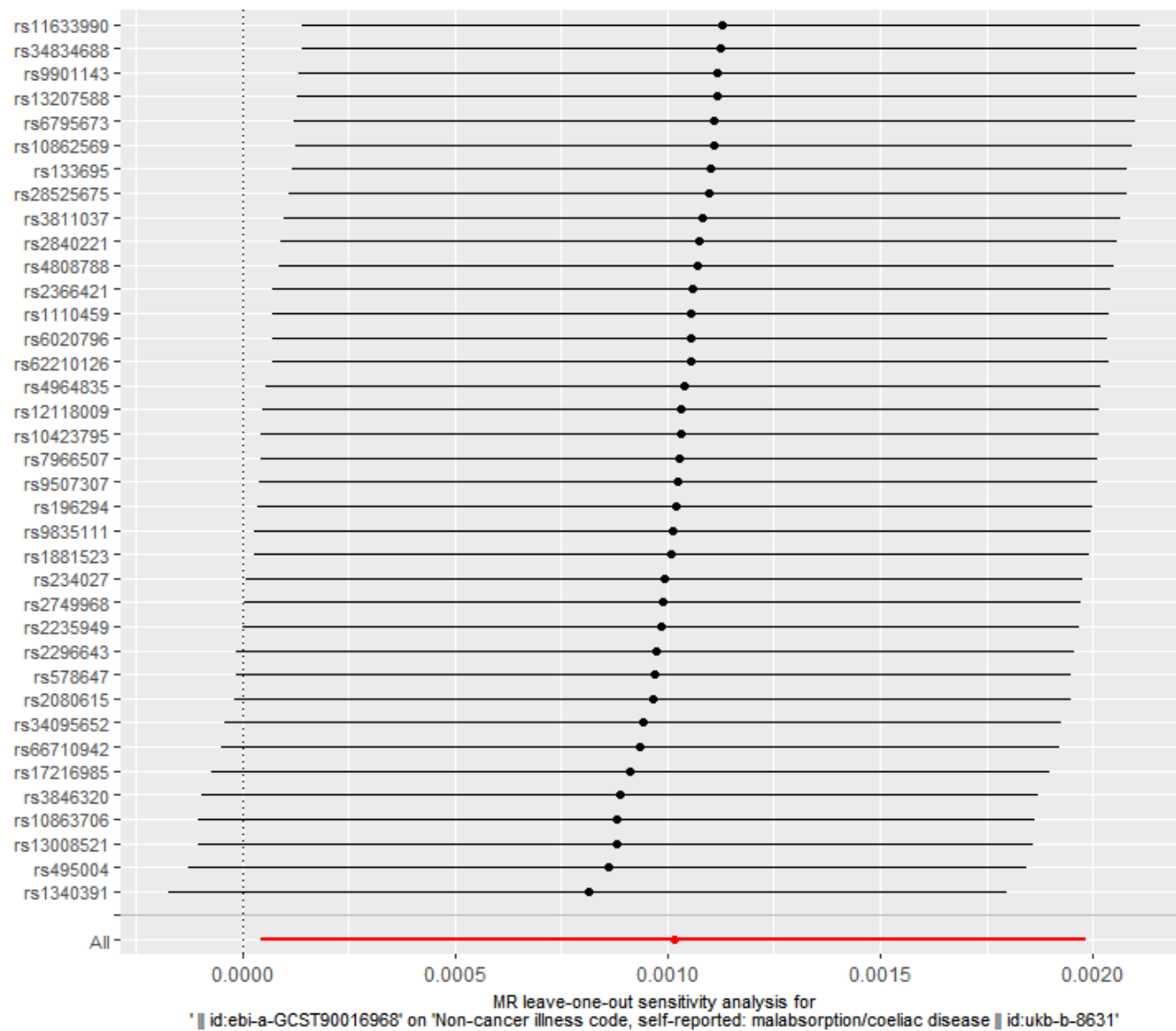
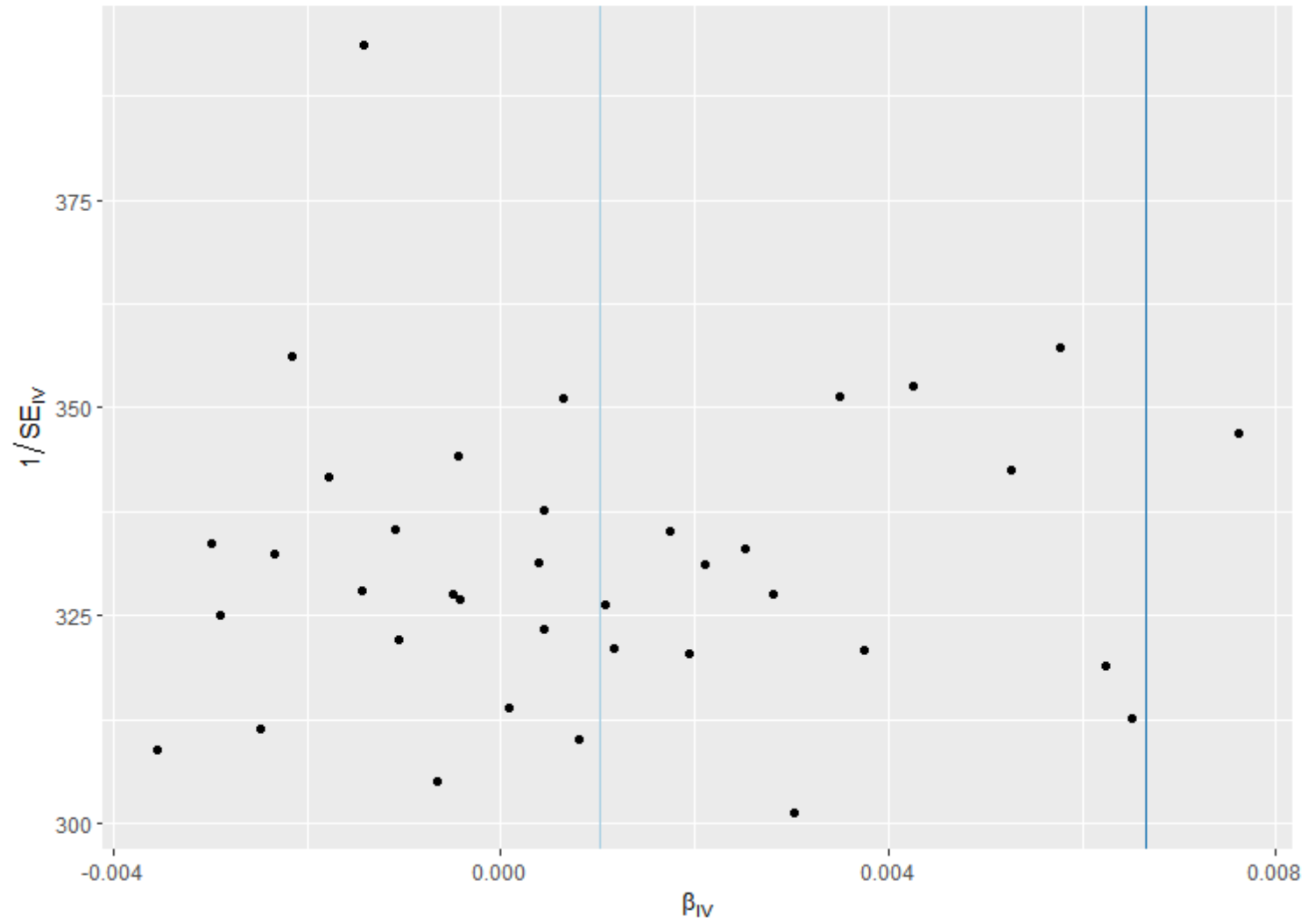


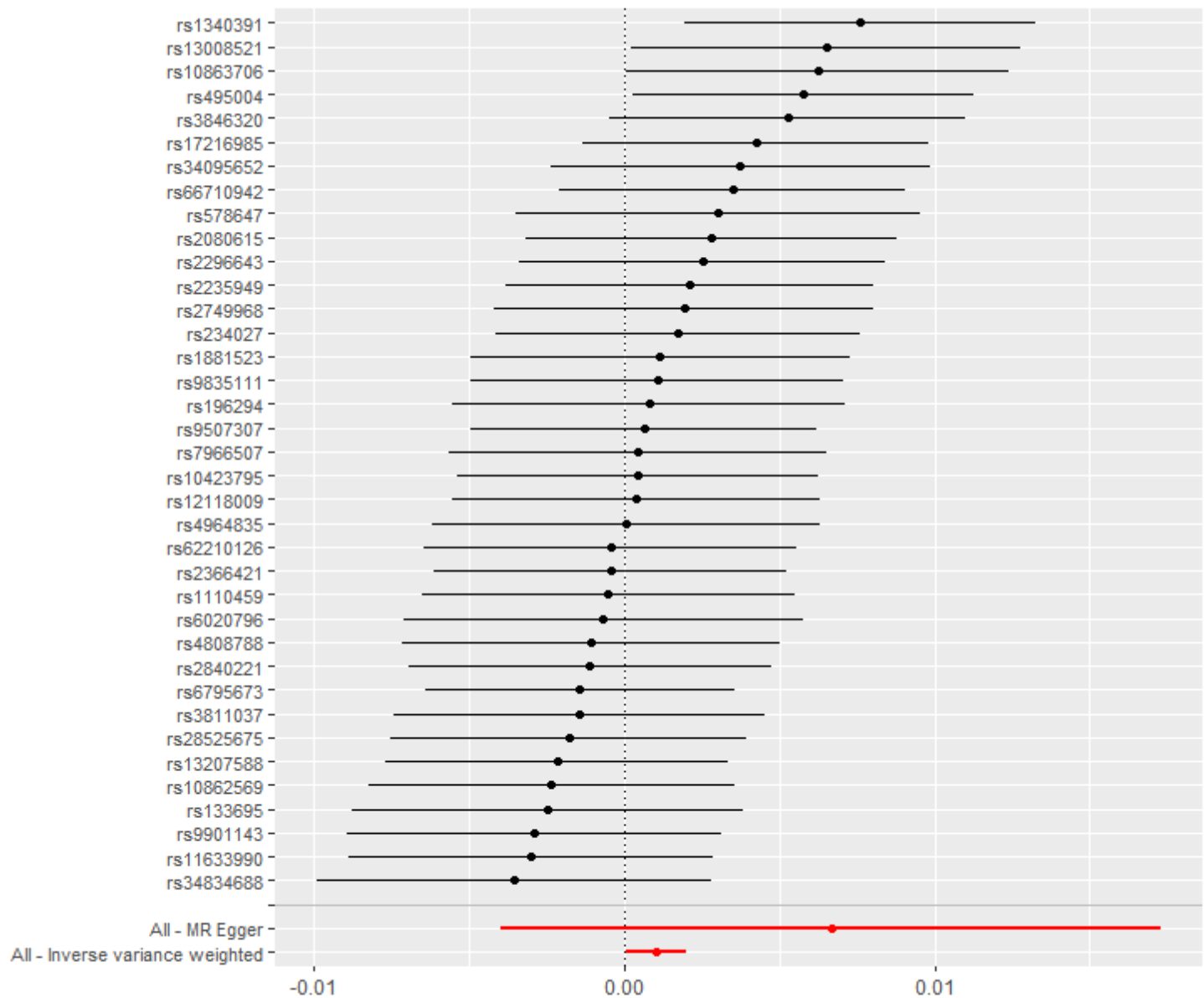
Figure 145 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Bacteroides id.918) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90016968' on 'Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631'

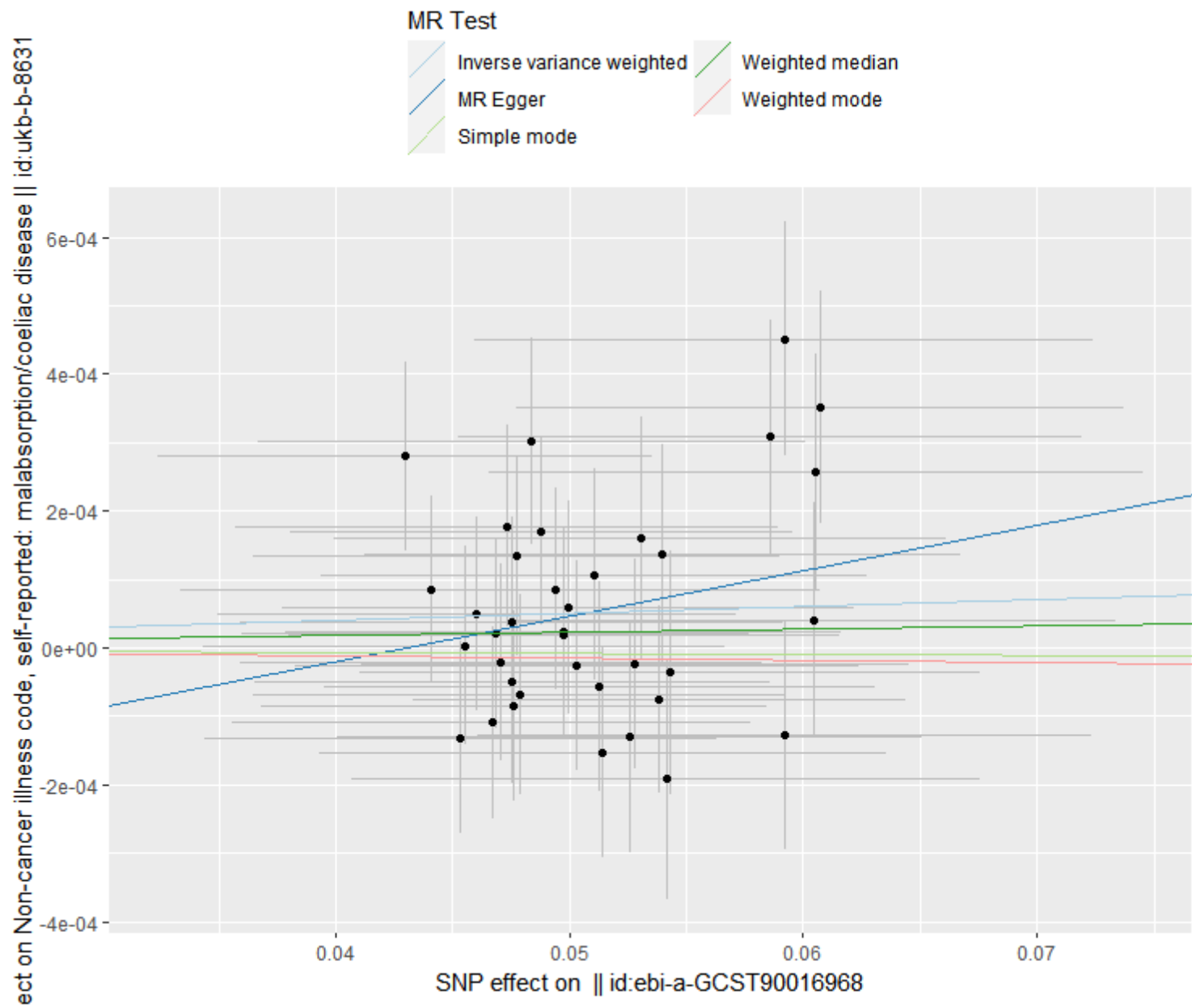
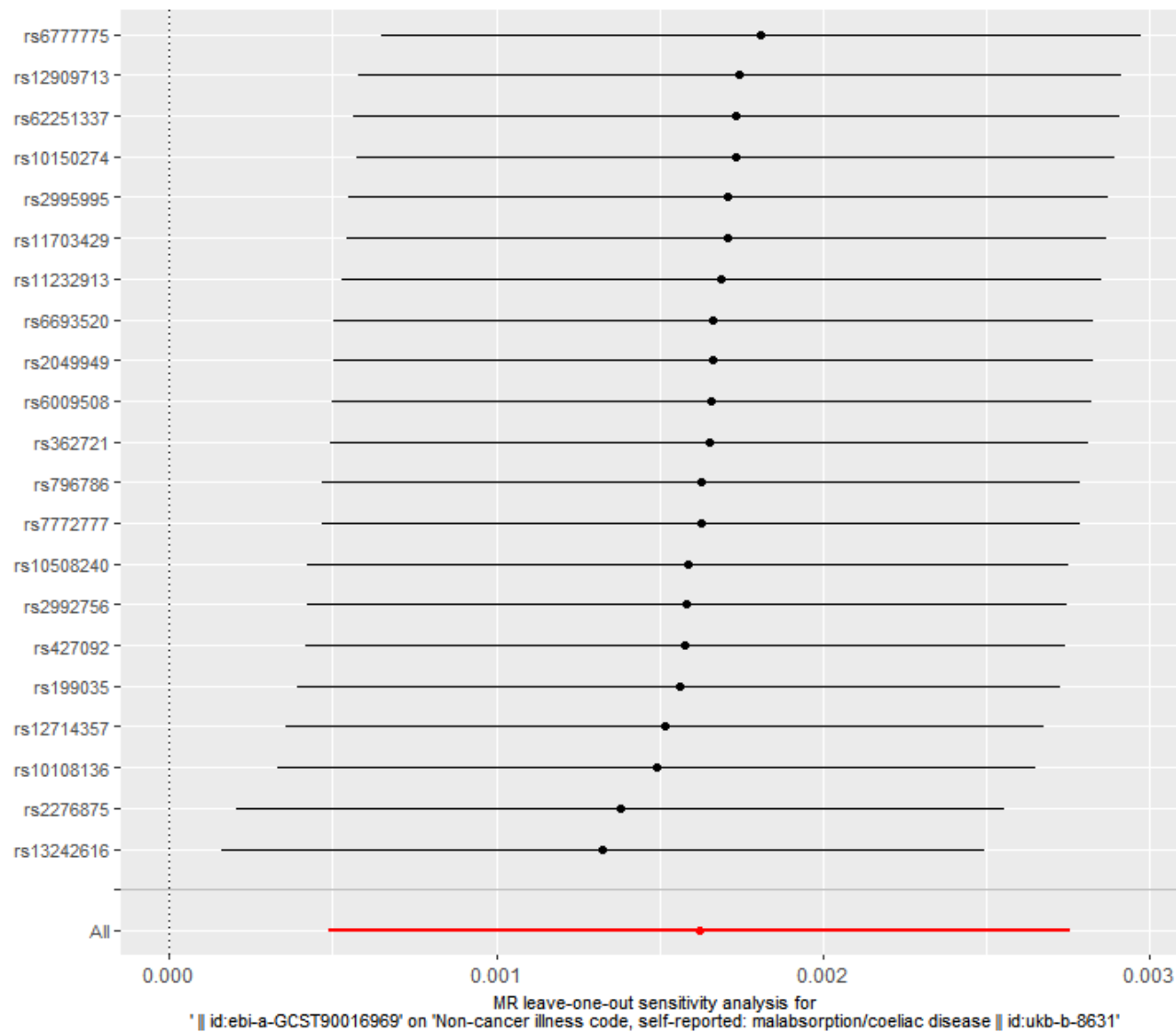
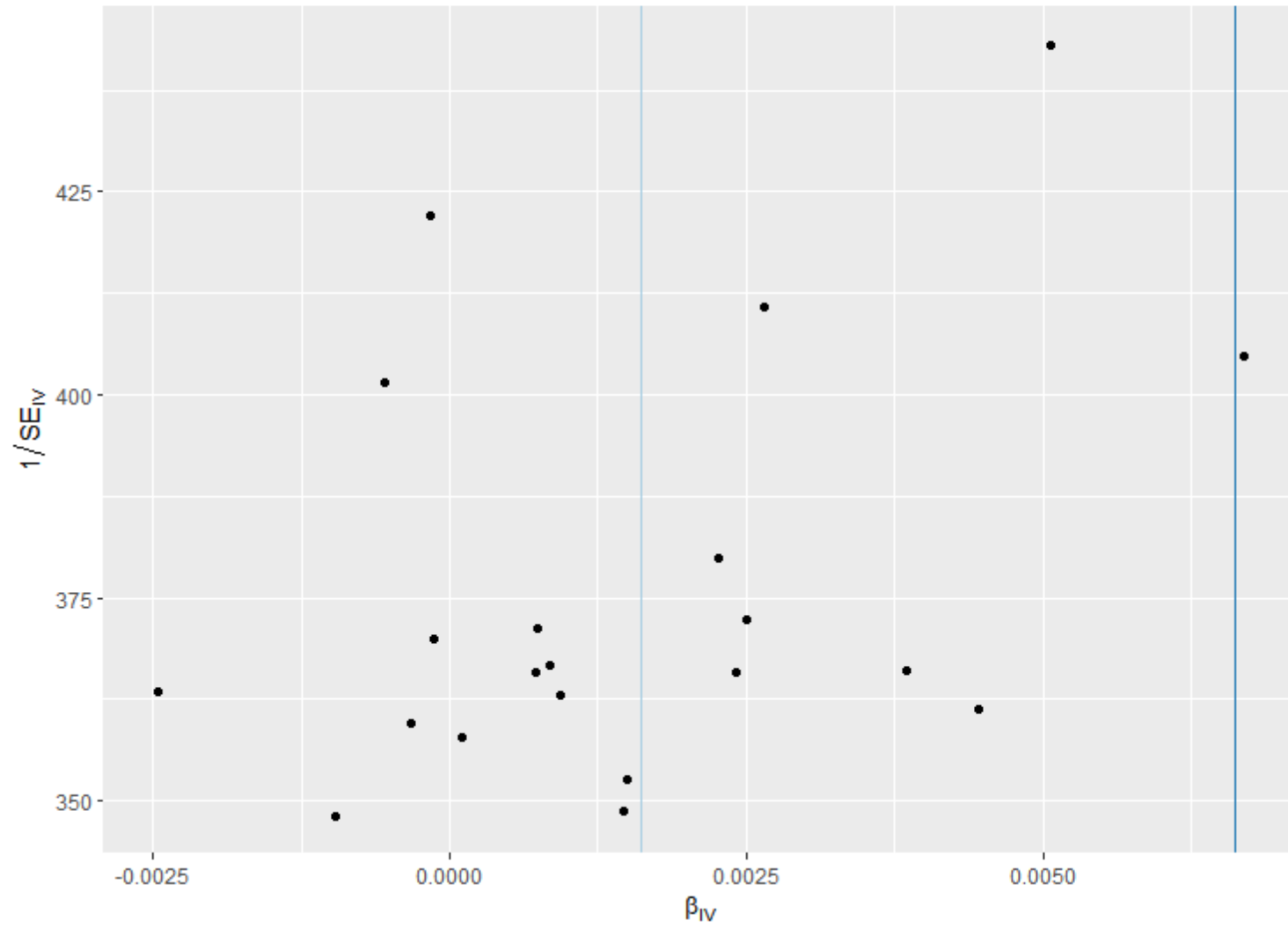


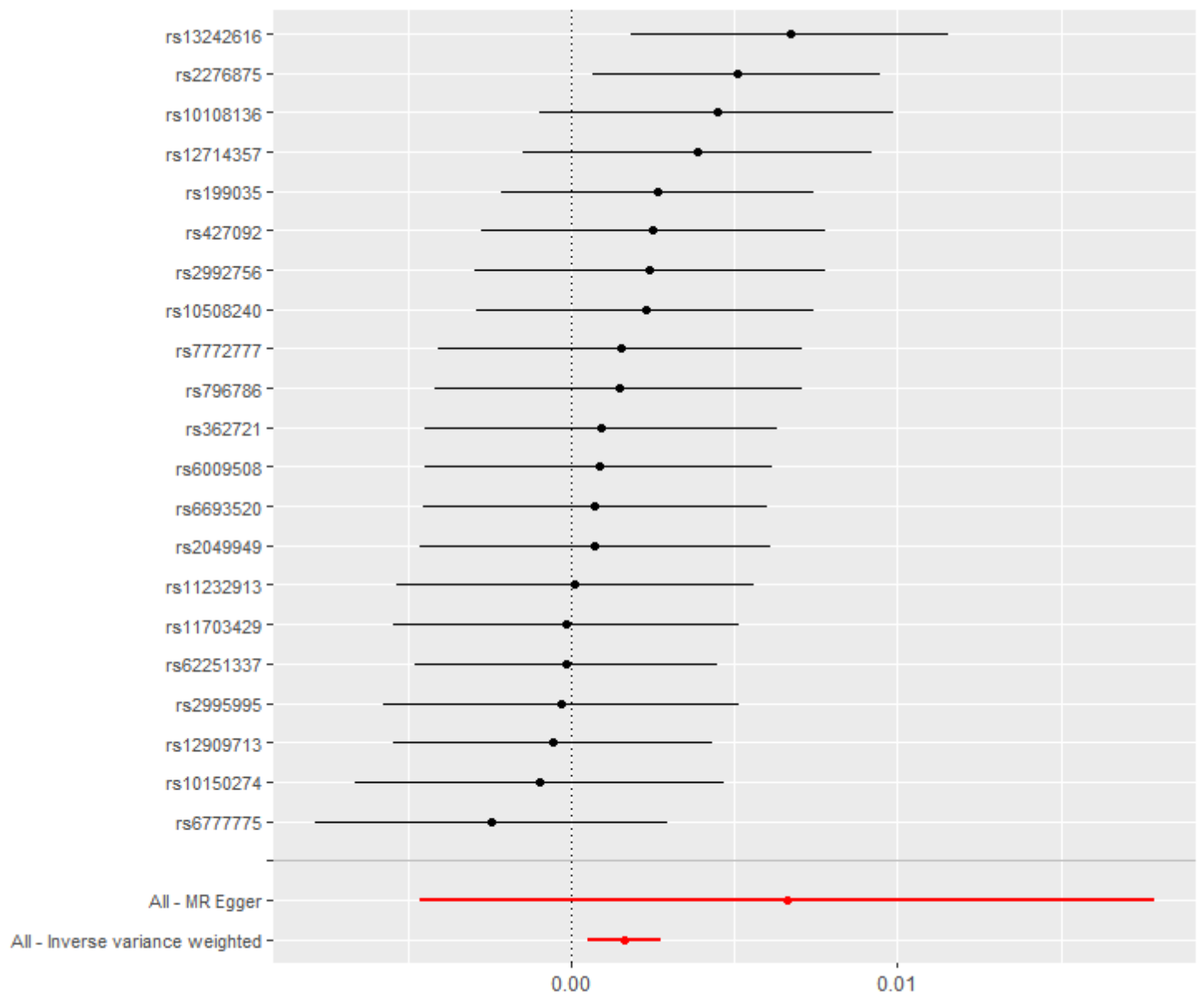
Figure 146 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Barnesiella* id.944) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
 ' || id:ebi-a-GCST90016969' on 'Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631'

Effect on Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

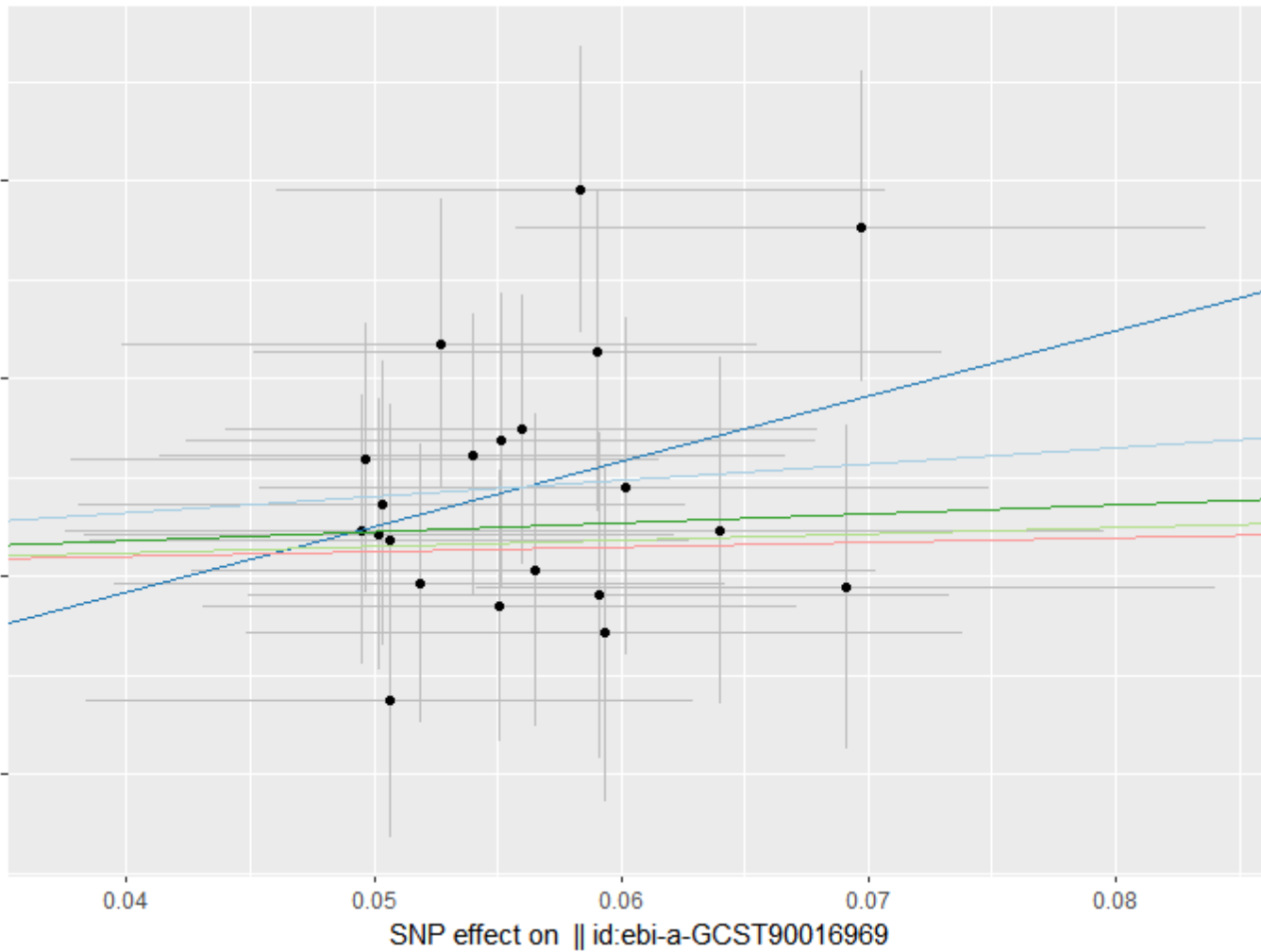
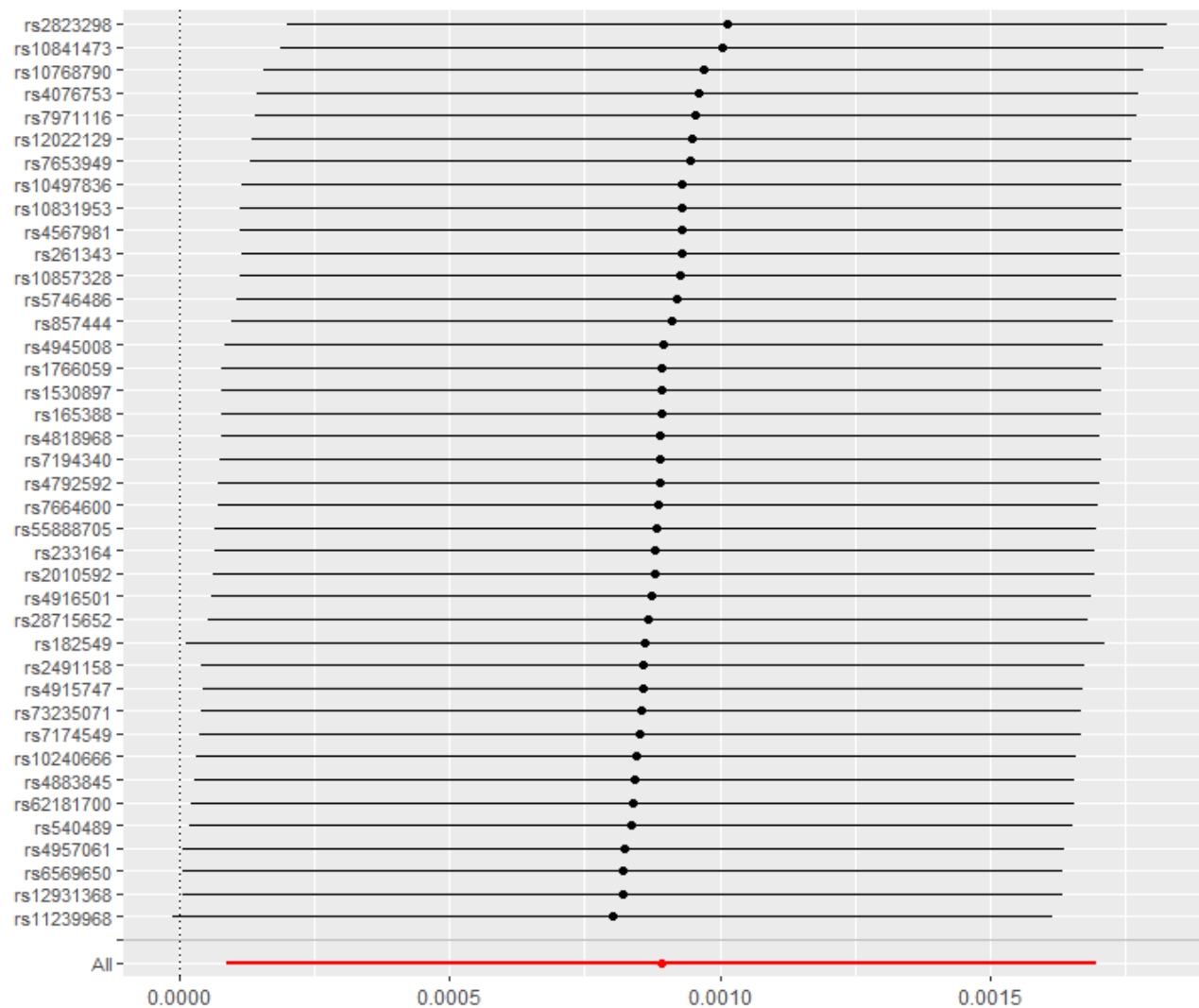


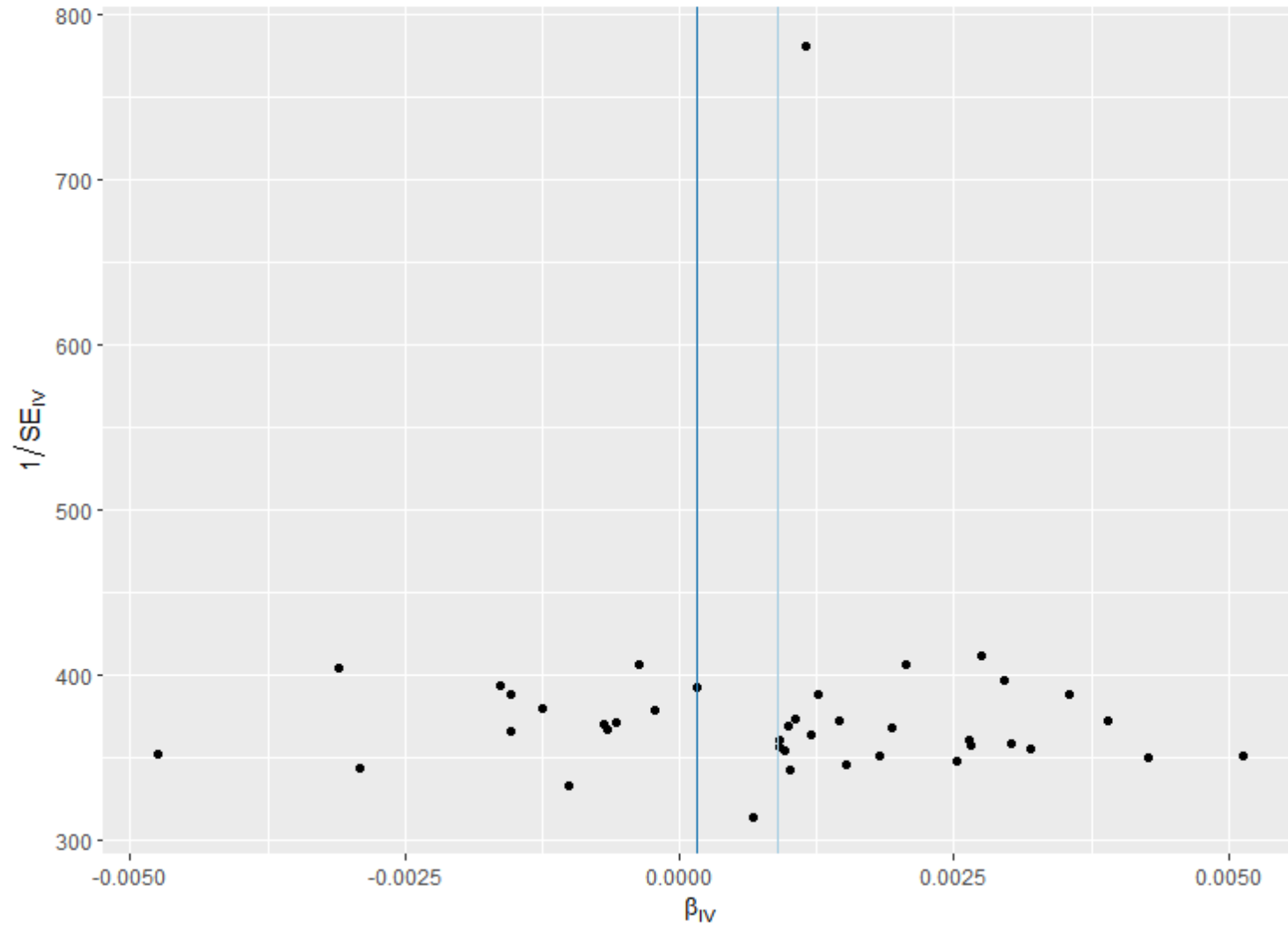
Figure 147 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Bifidobacterium id.436) on coeliac disease

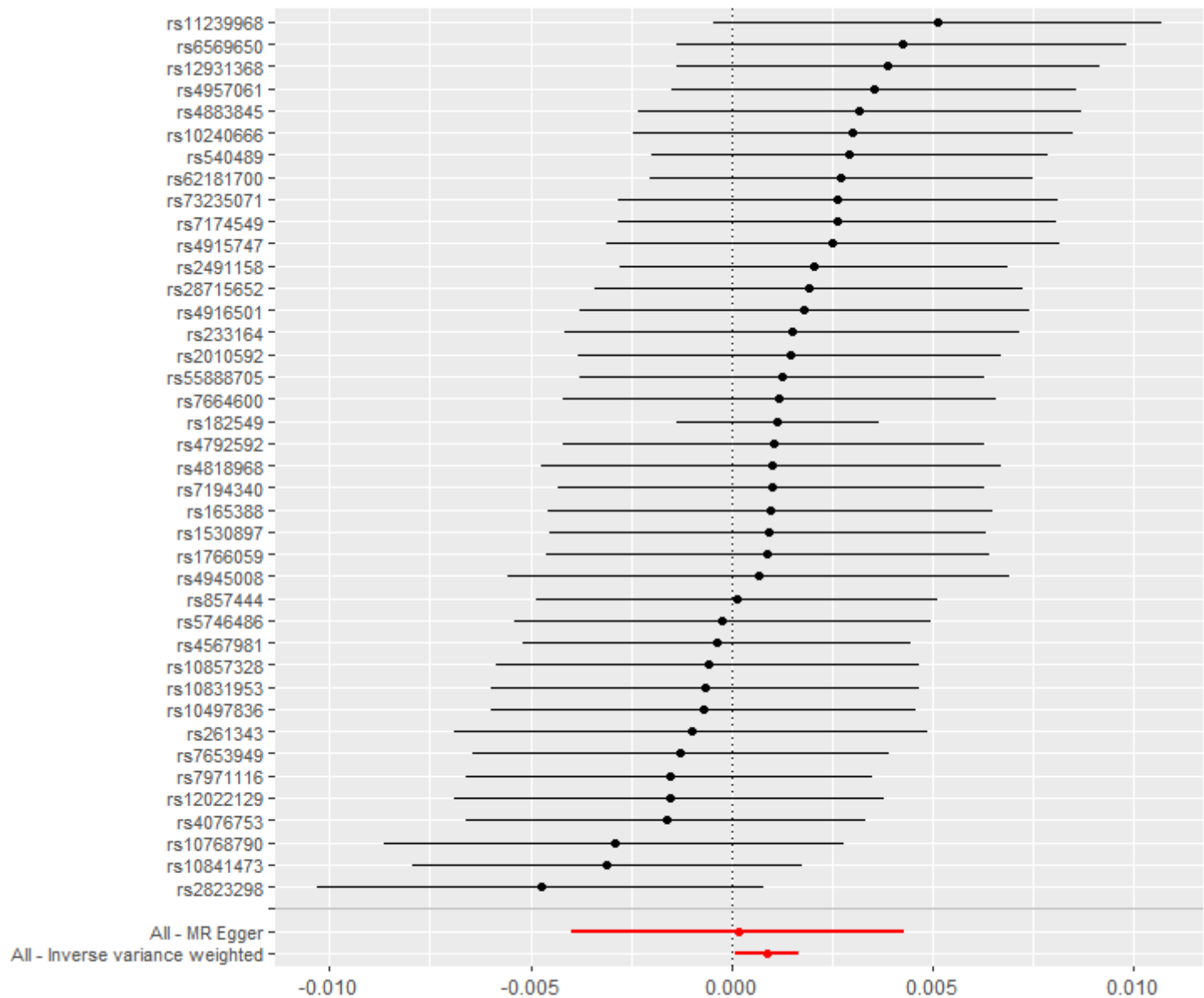


' || id:ebi-a-GCST90016970' on 'Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631'

MR Method

- Inverse variance weighted
- MR Egger





MR effect size for
' || id:ebi-a-GCST90016970' on 'Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631'

Effect on Non-cancer illness code, self-reported: malabsorption/coeliac disease || id:ukb-b-8631

MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

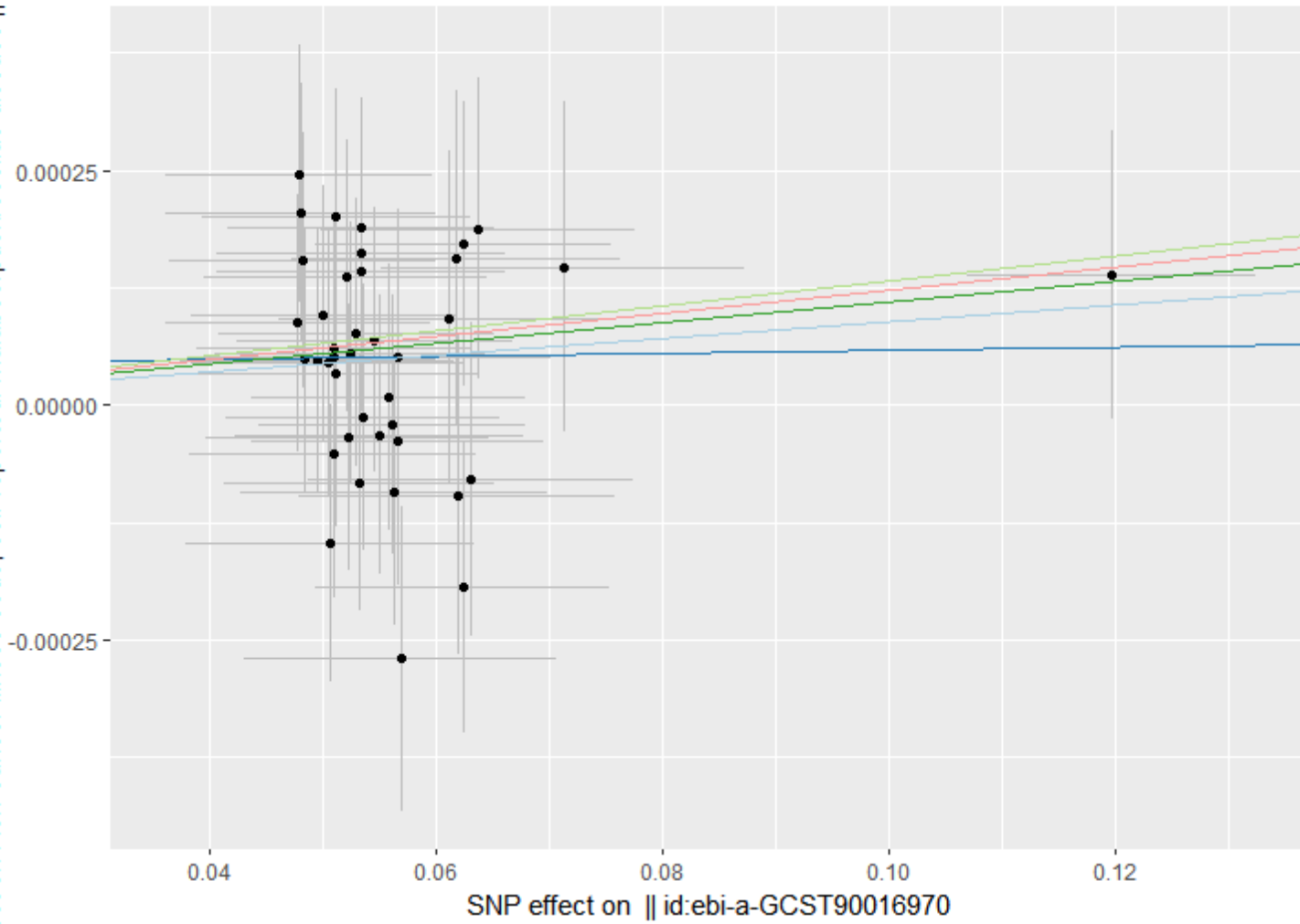
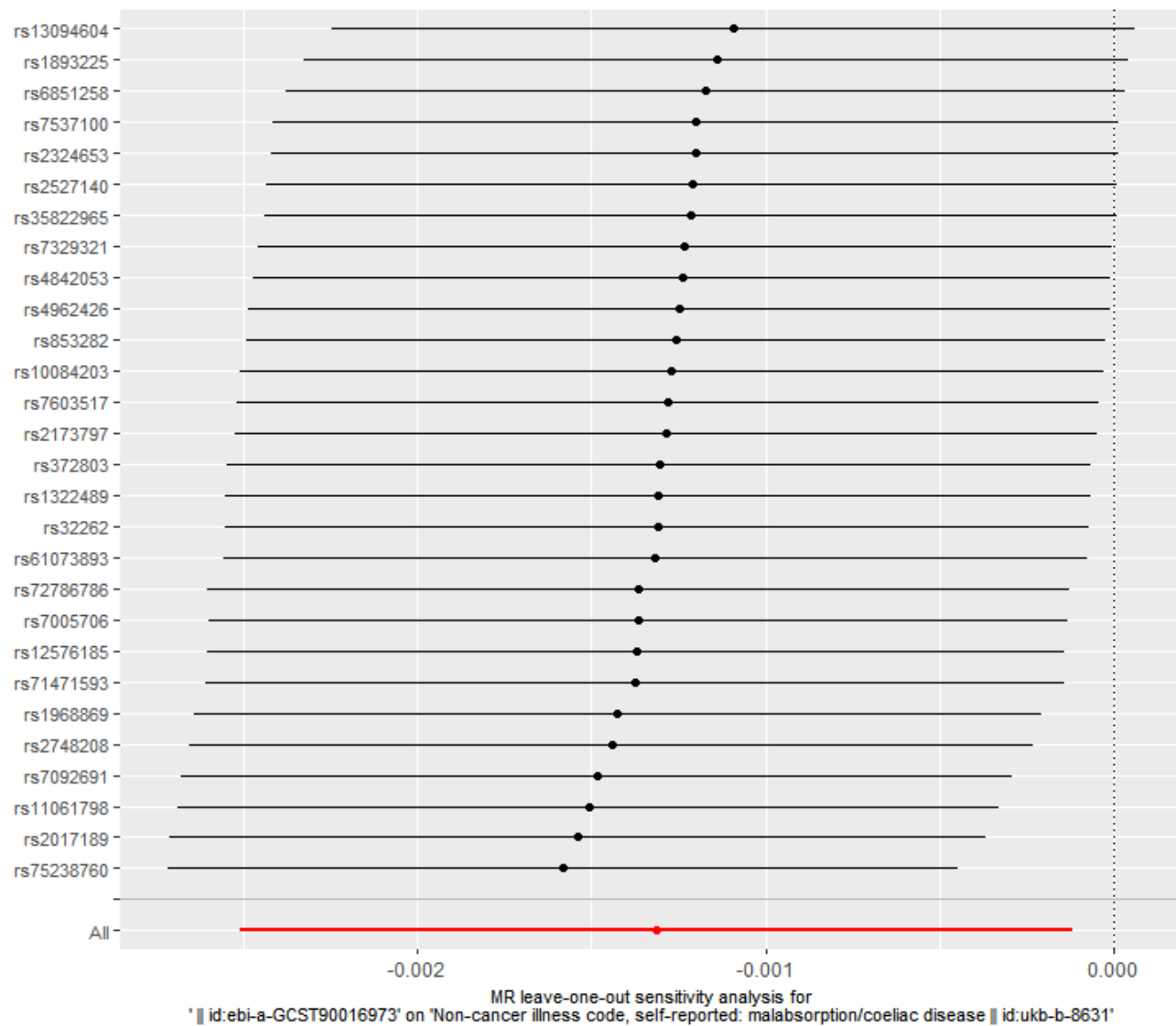
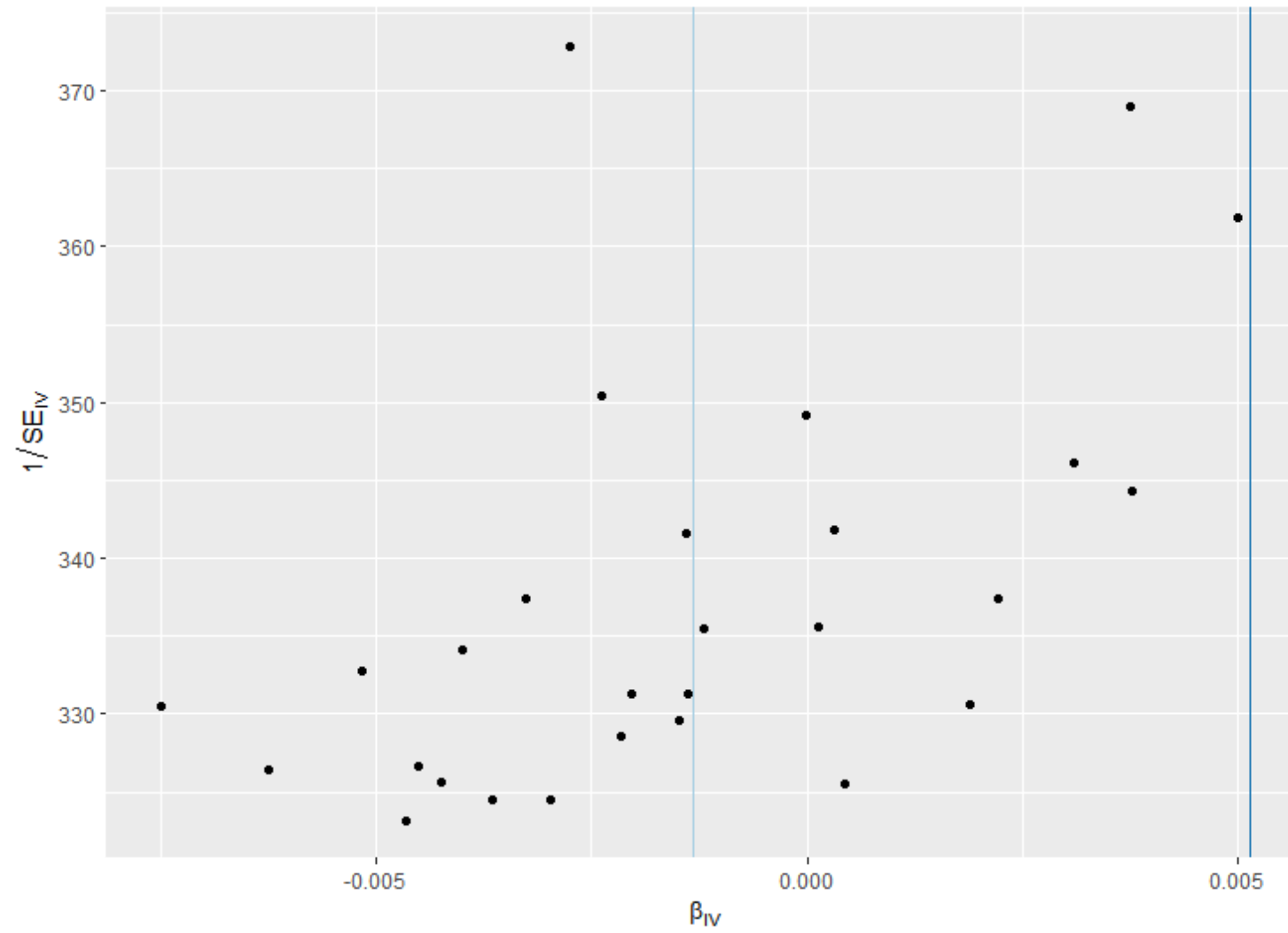


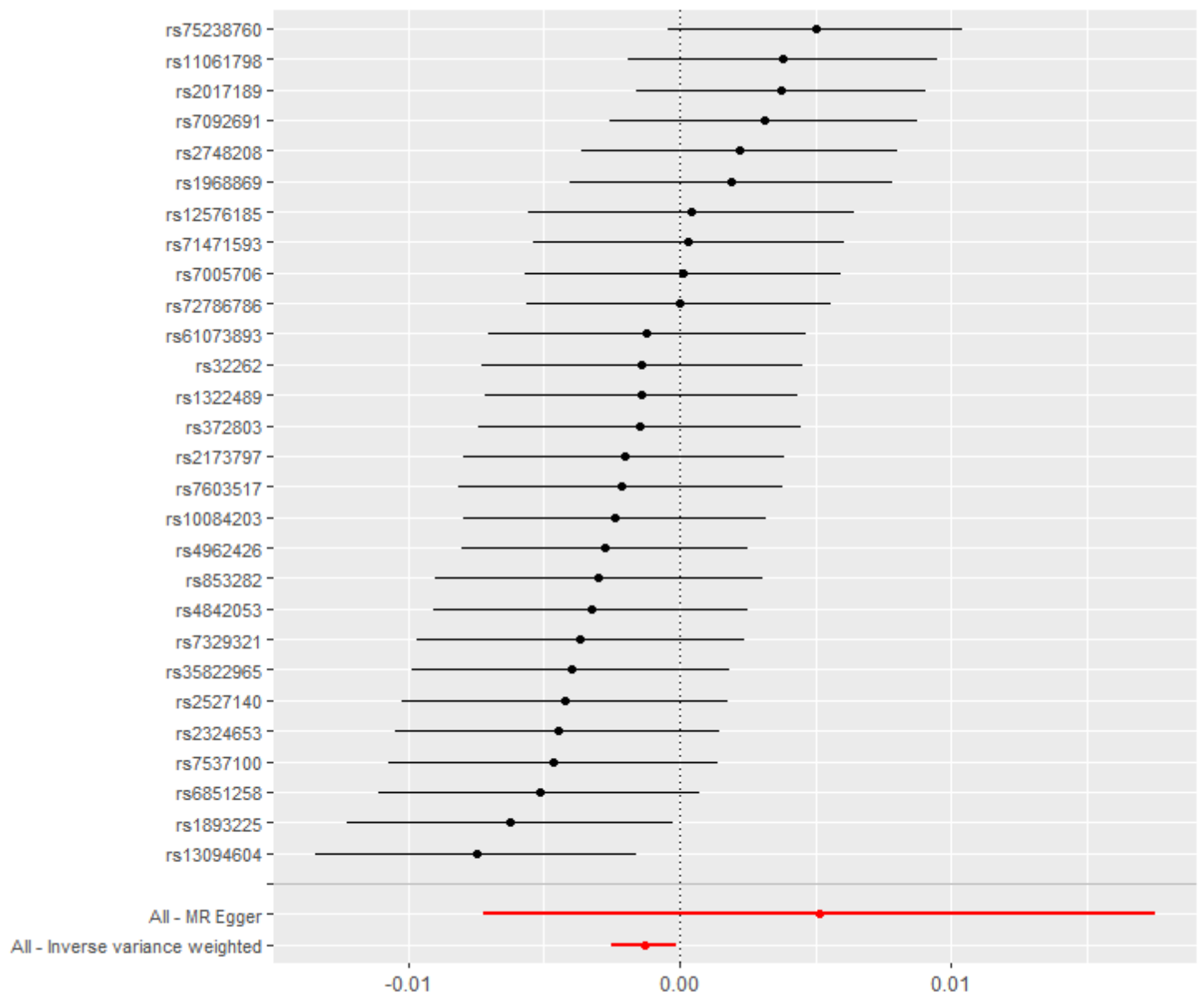
Figure 148 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Butyricicoccus* id.2055) on coeliac disease



MR Method

- Inverse variance weighted
- MR Egger





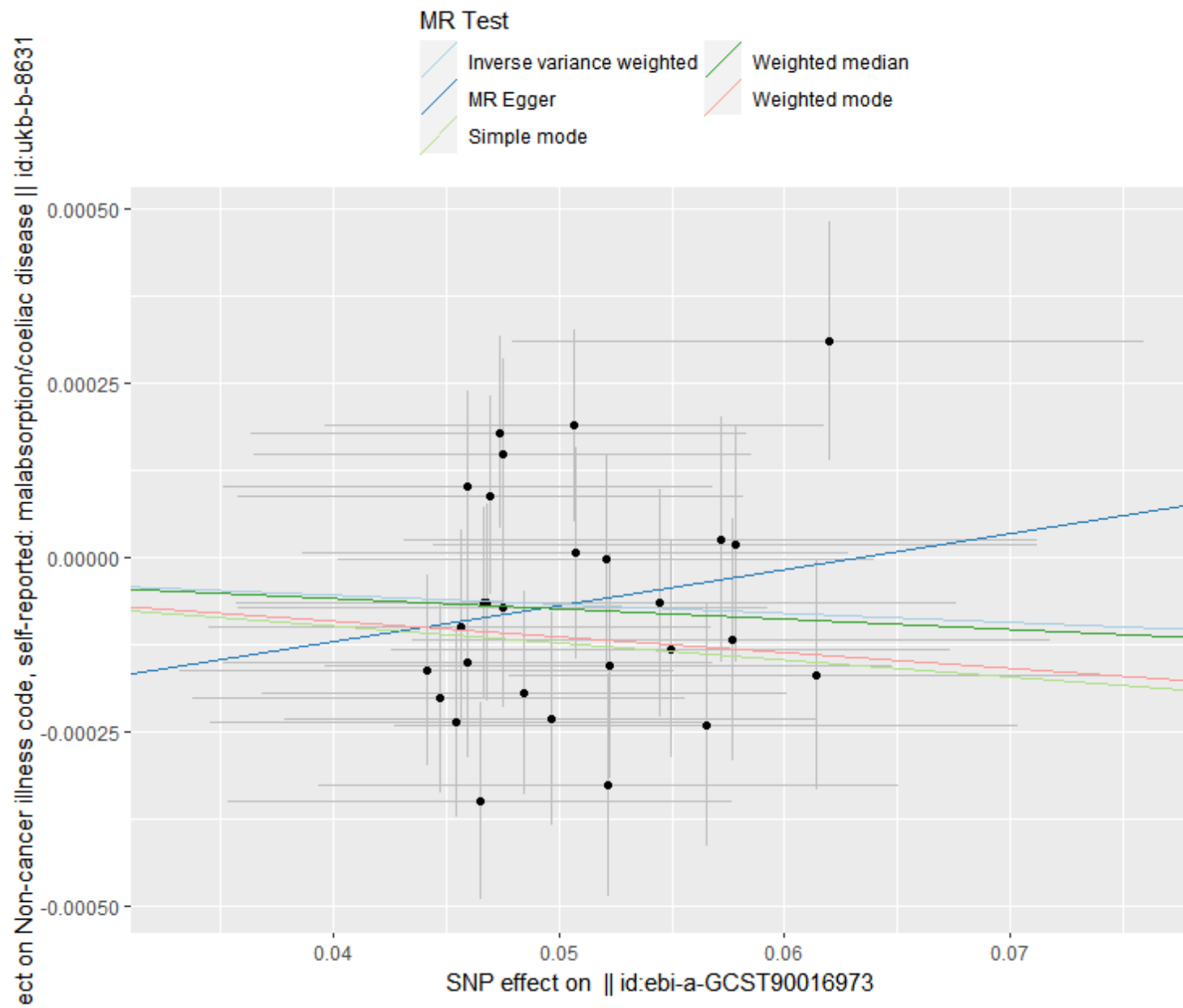
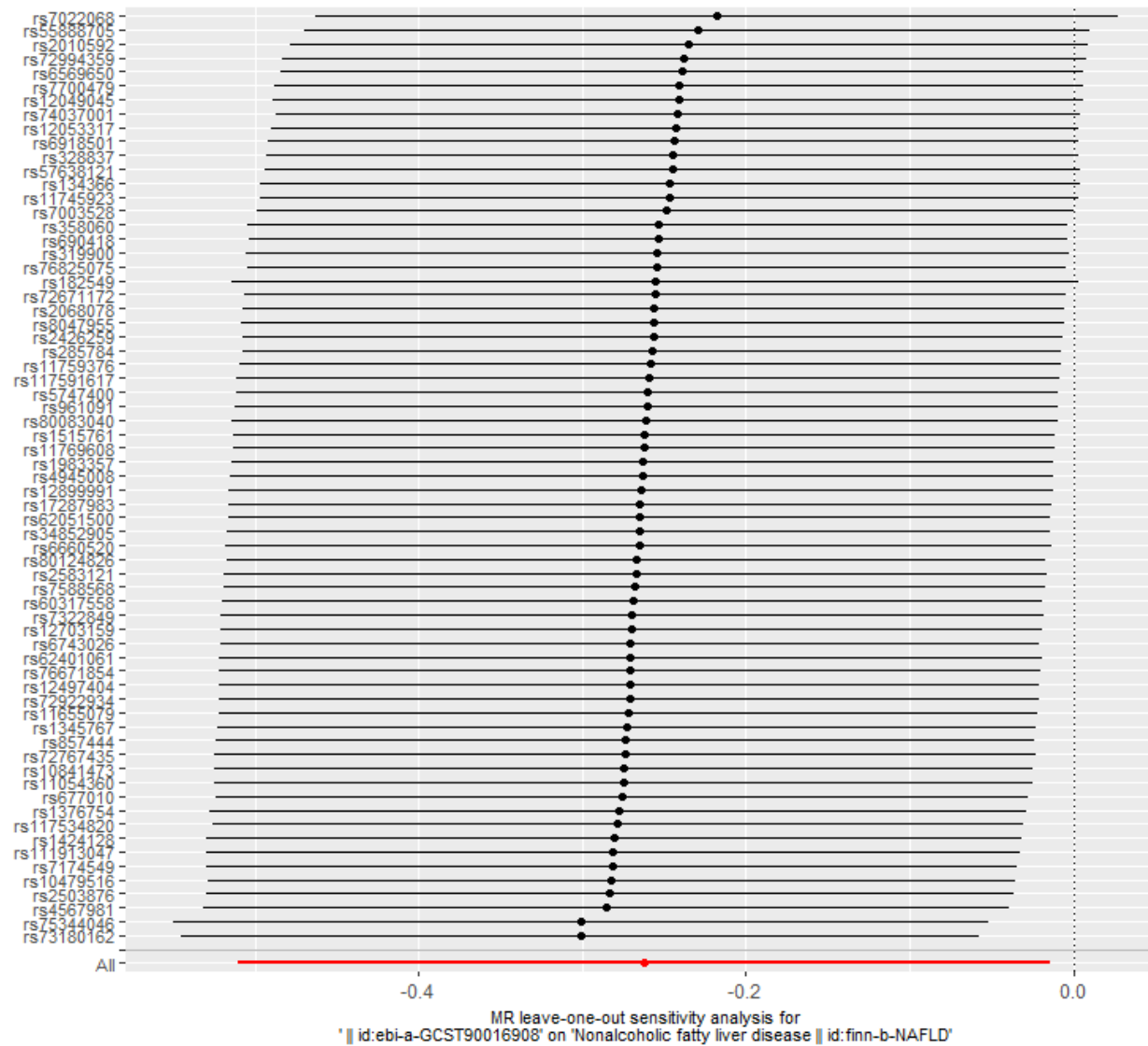
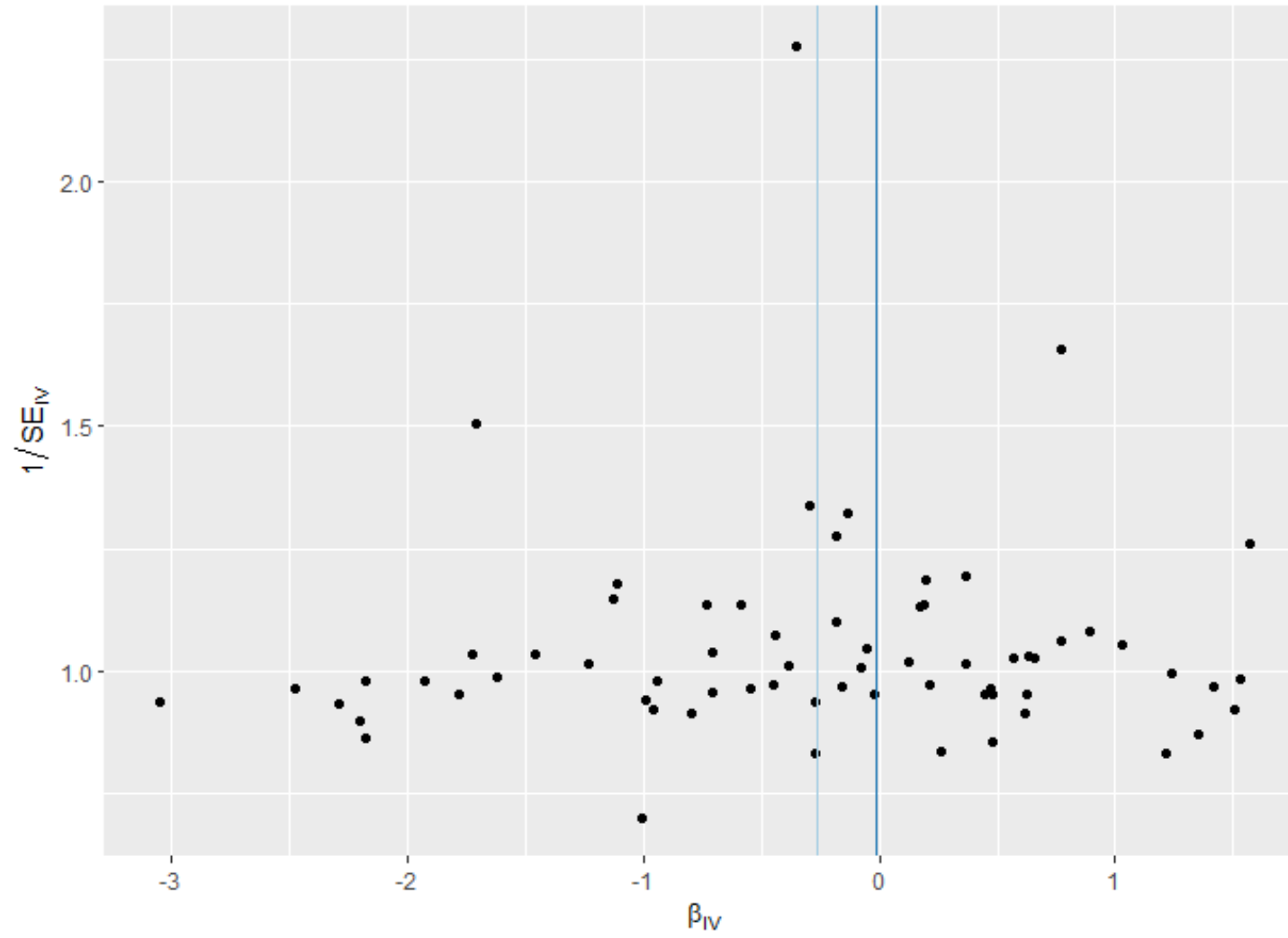


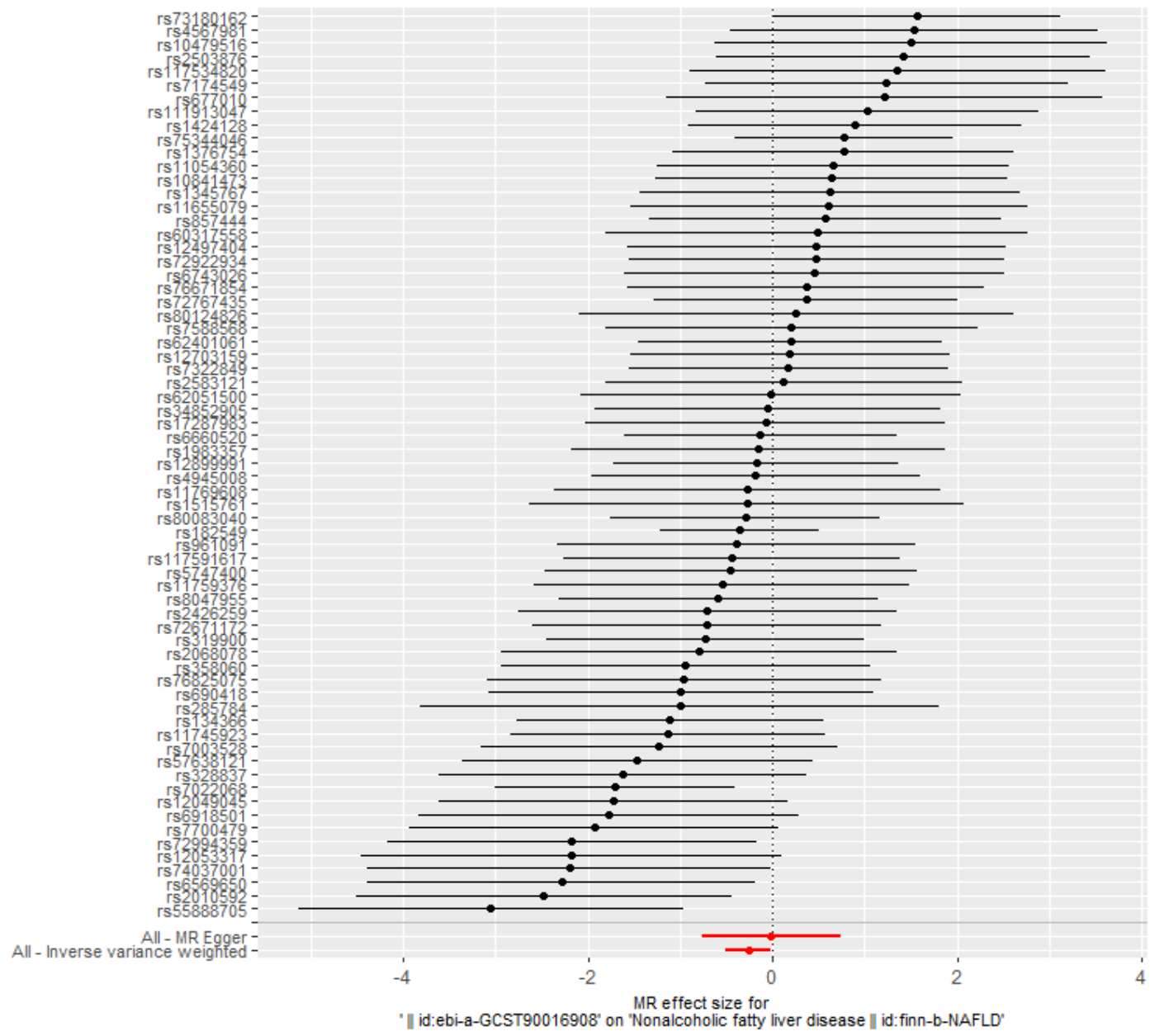
Figure 149 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Actinobacteria id.419) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

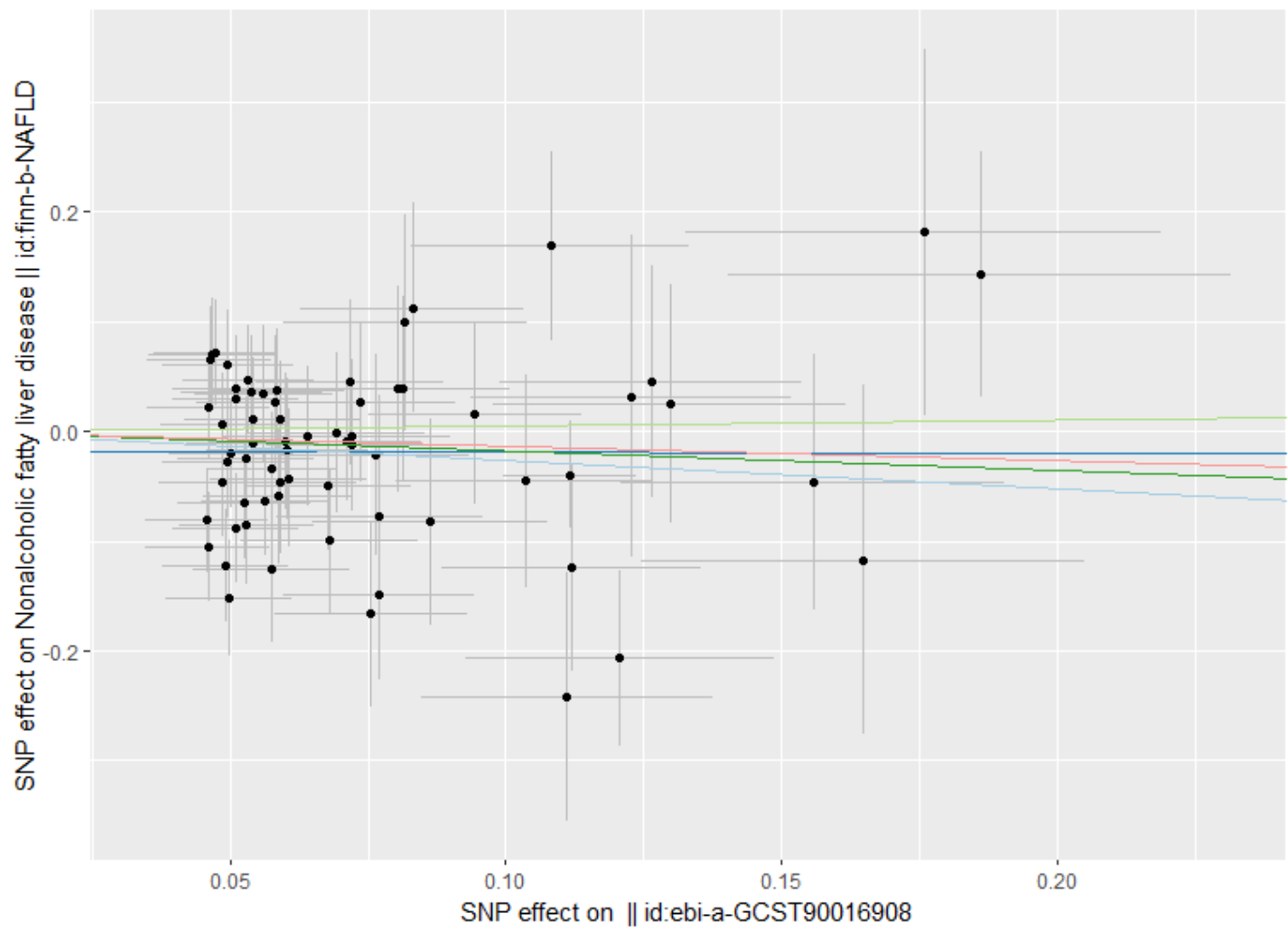
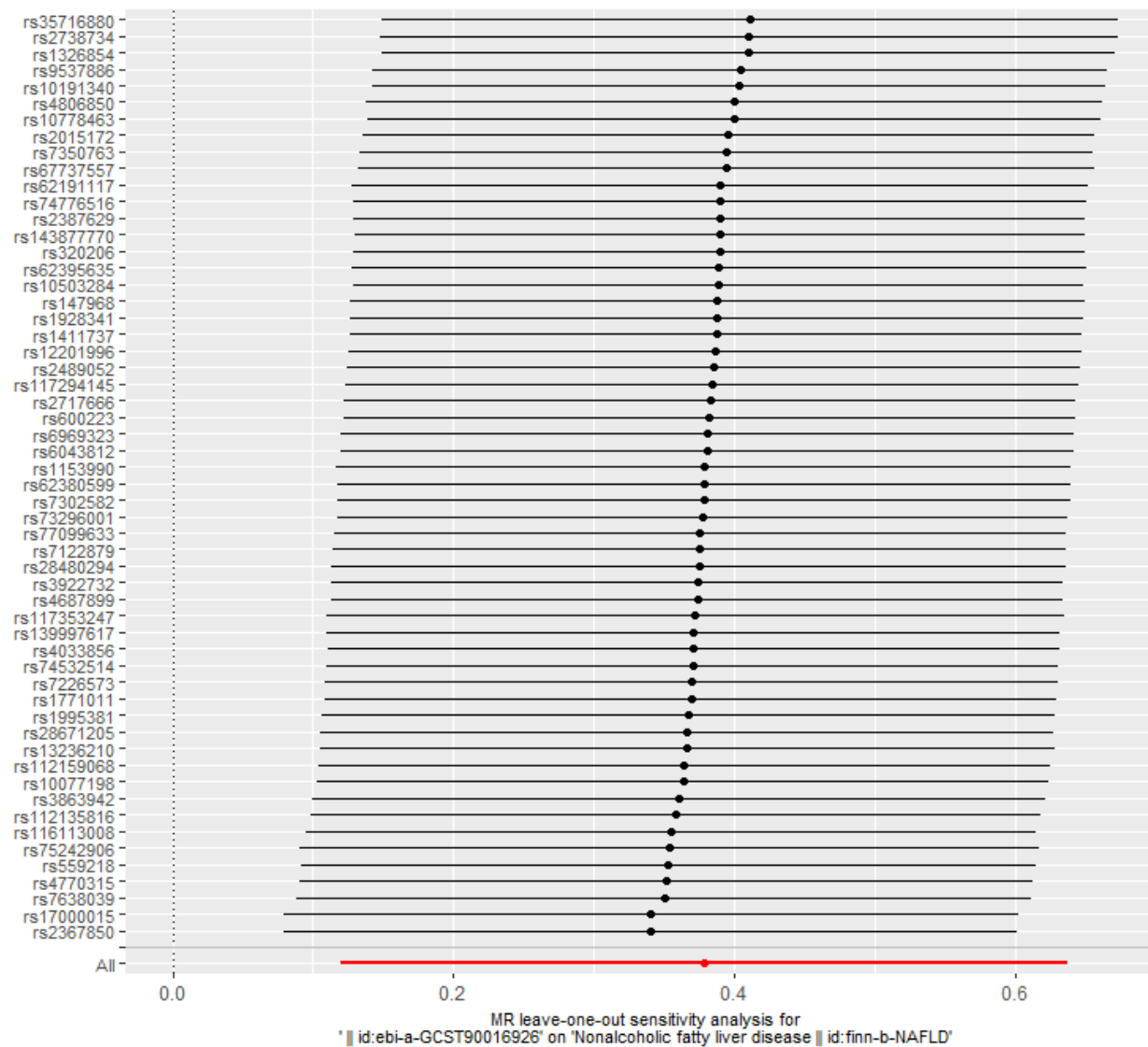
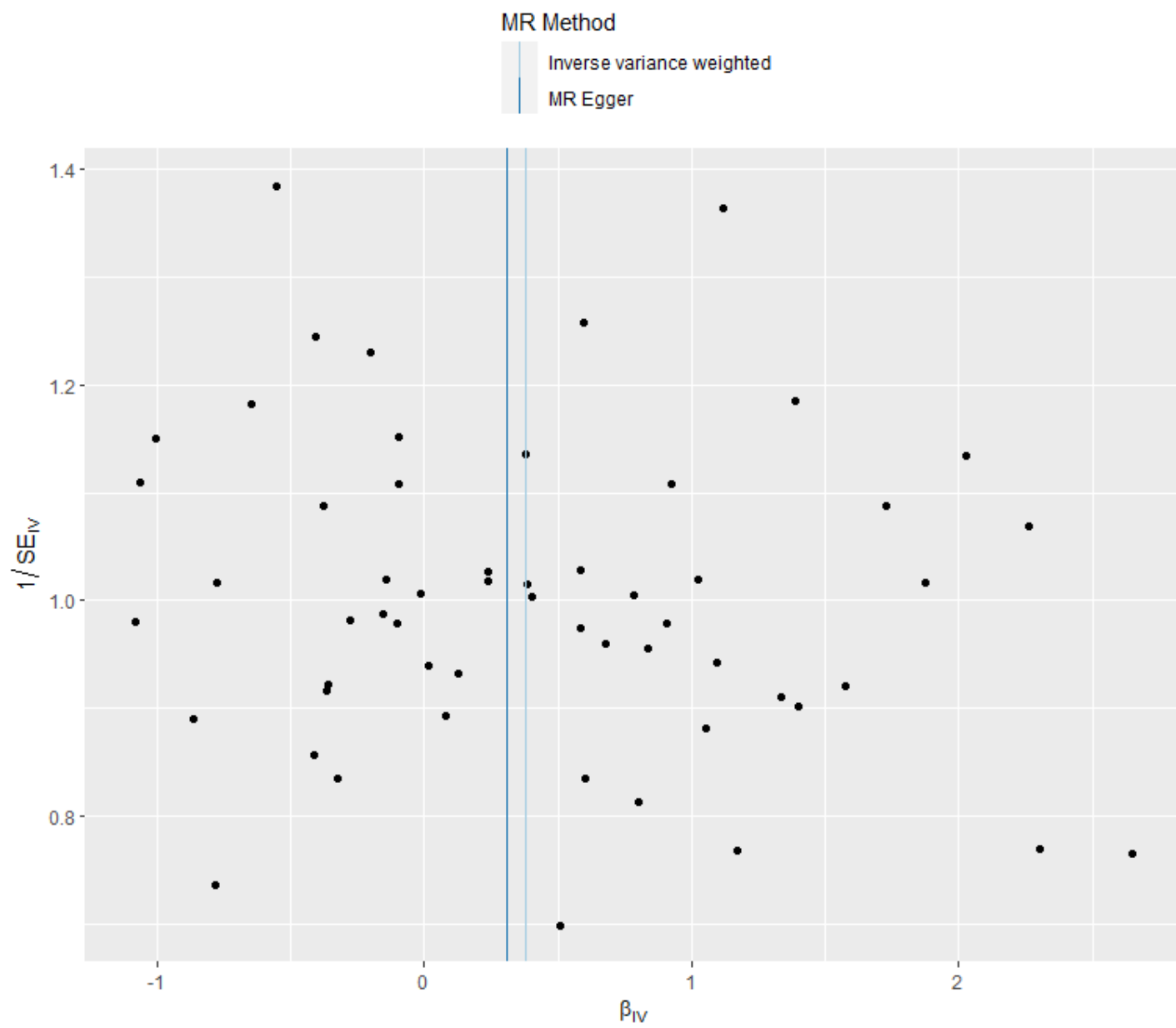
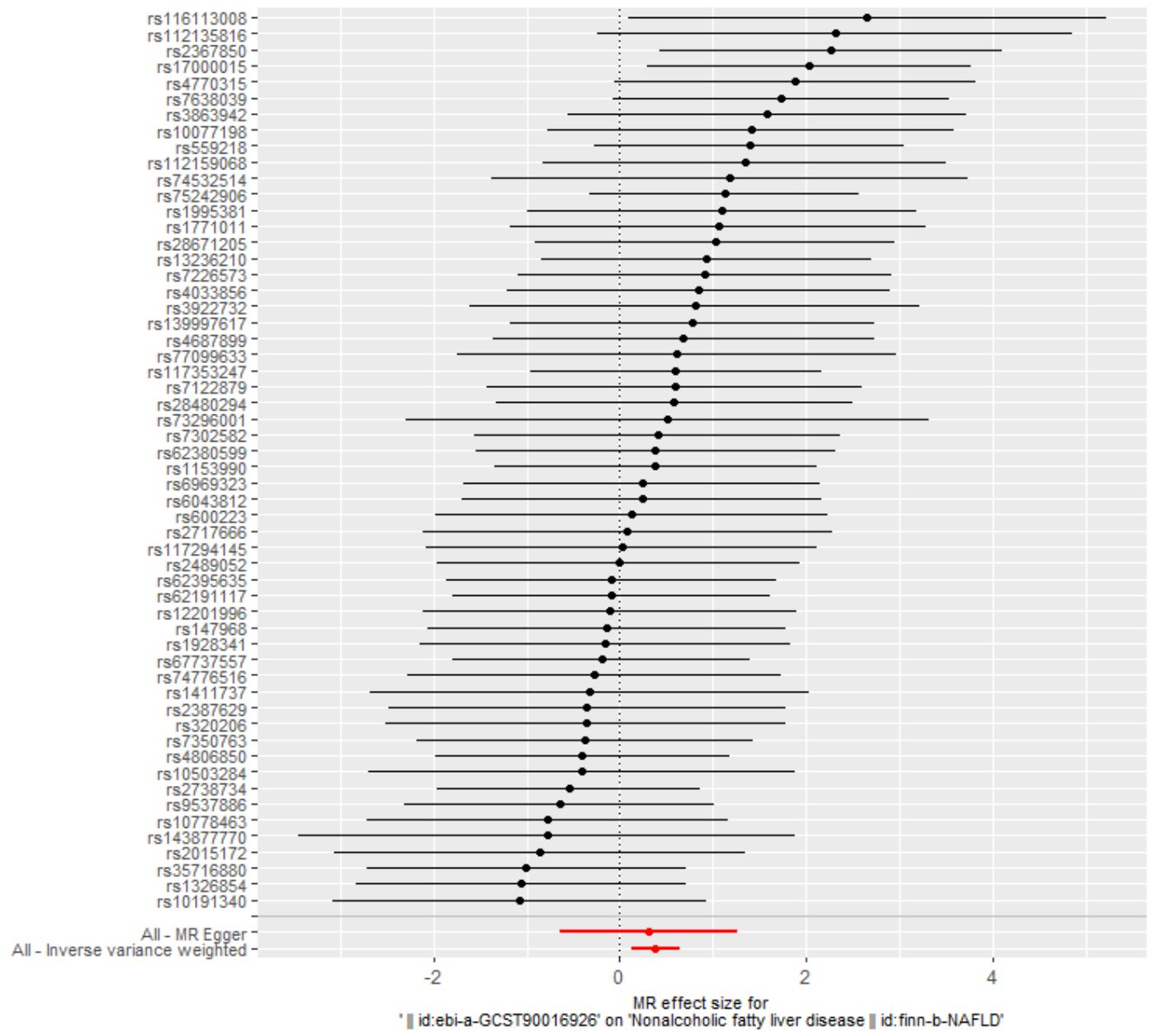


Figure 150 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Alcaligenaceae id.2875) on nonalcoholic fatty liver disease







MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

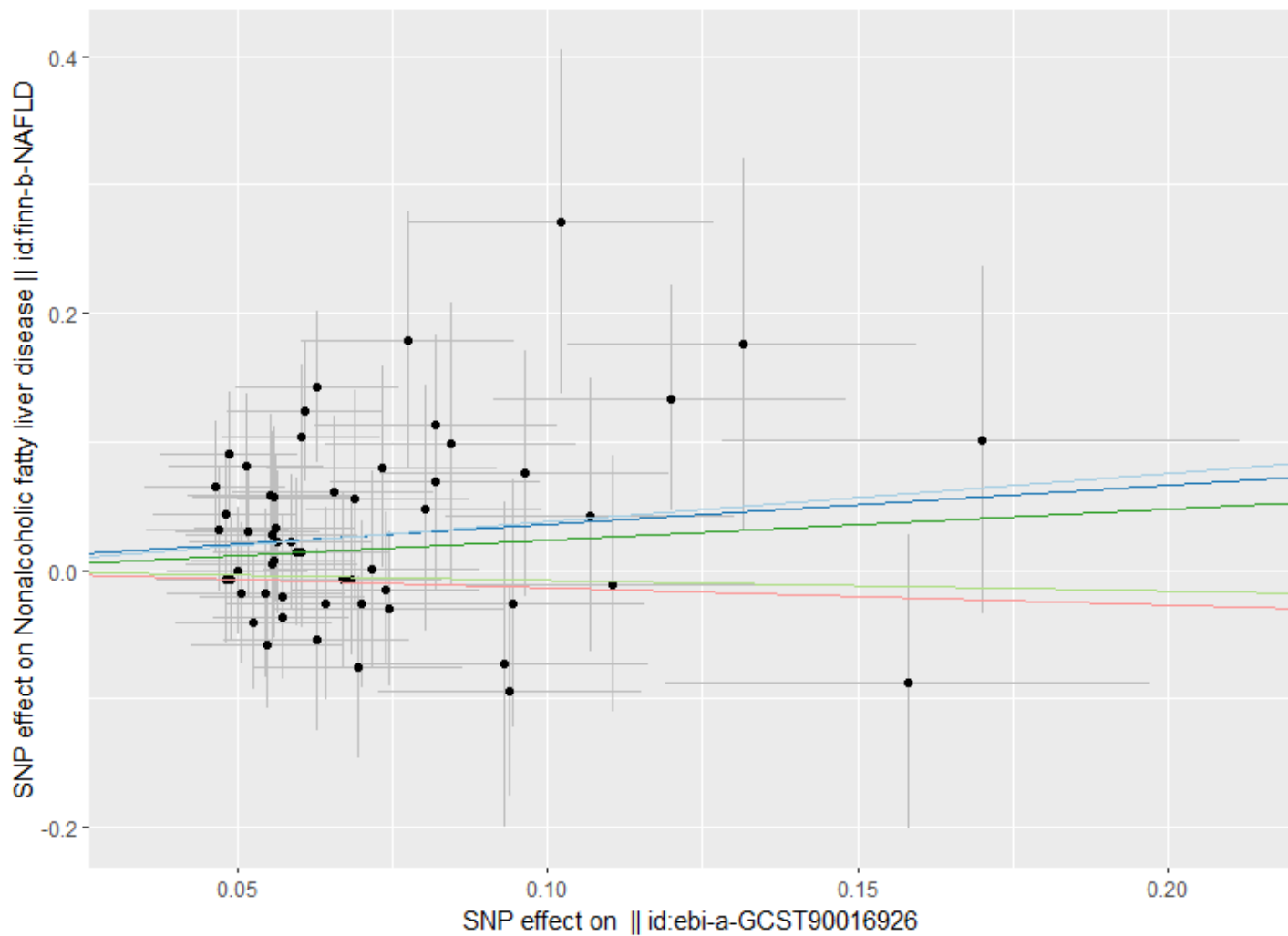
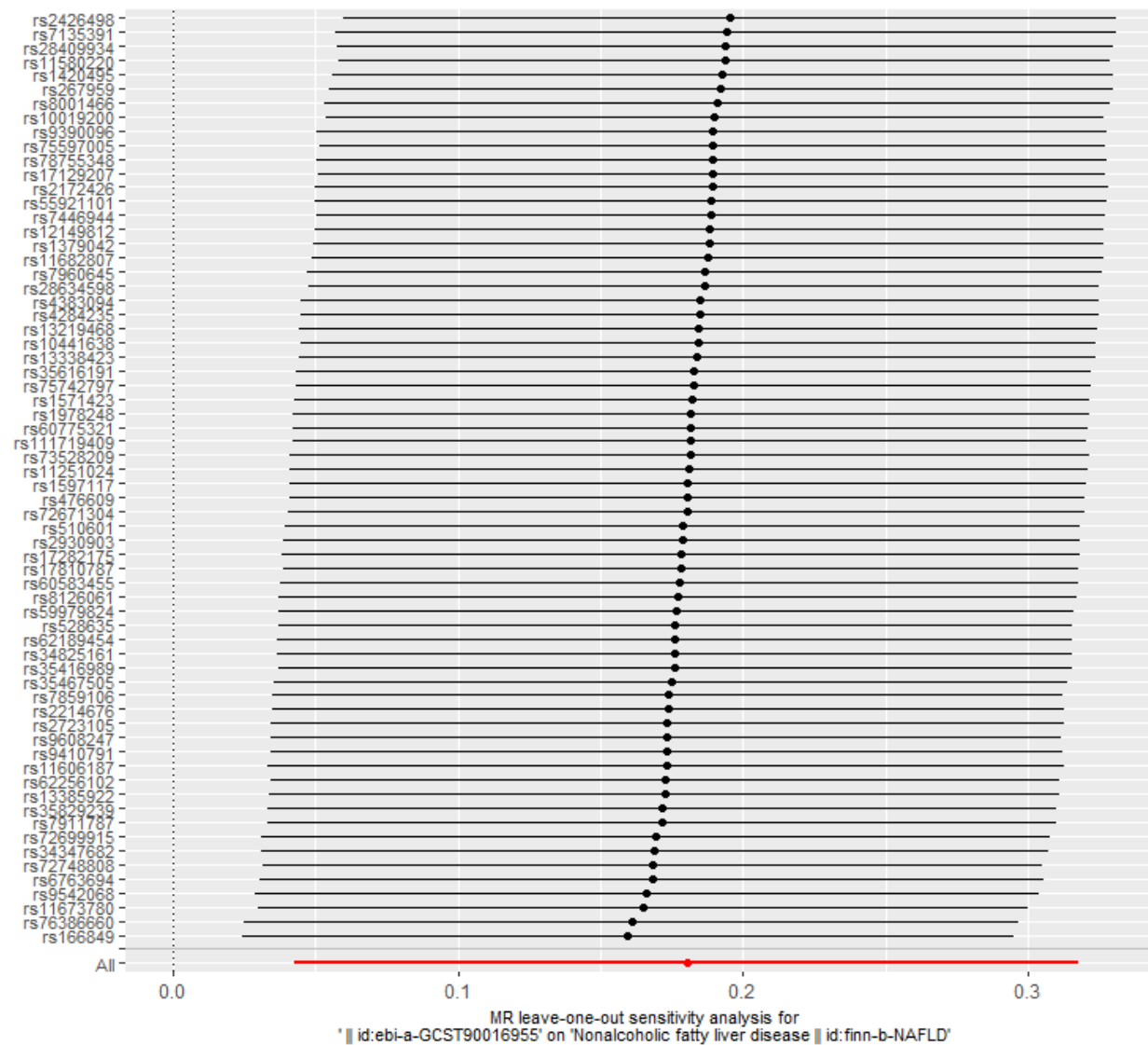
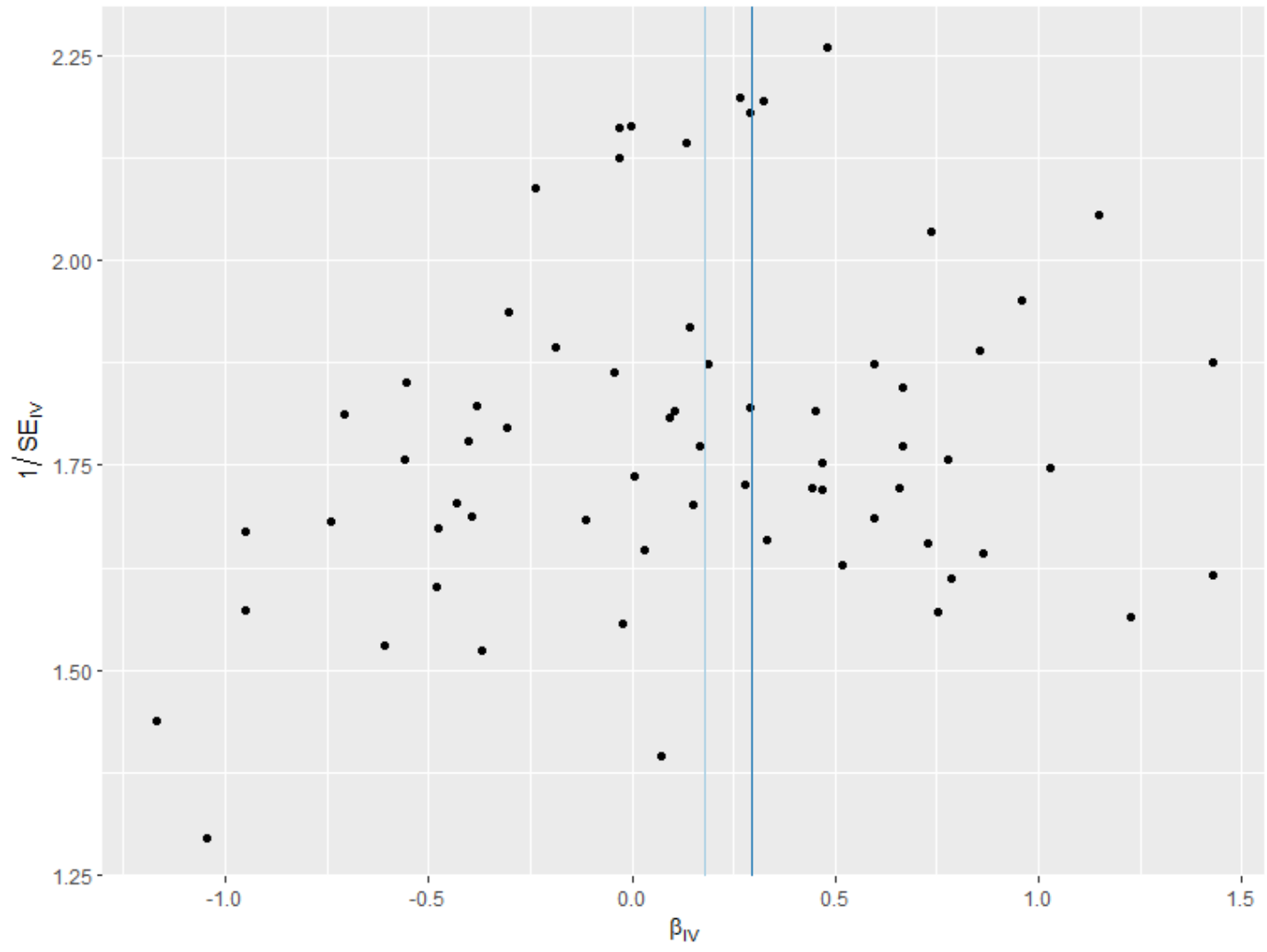


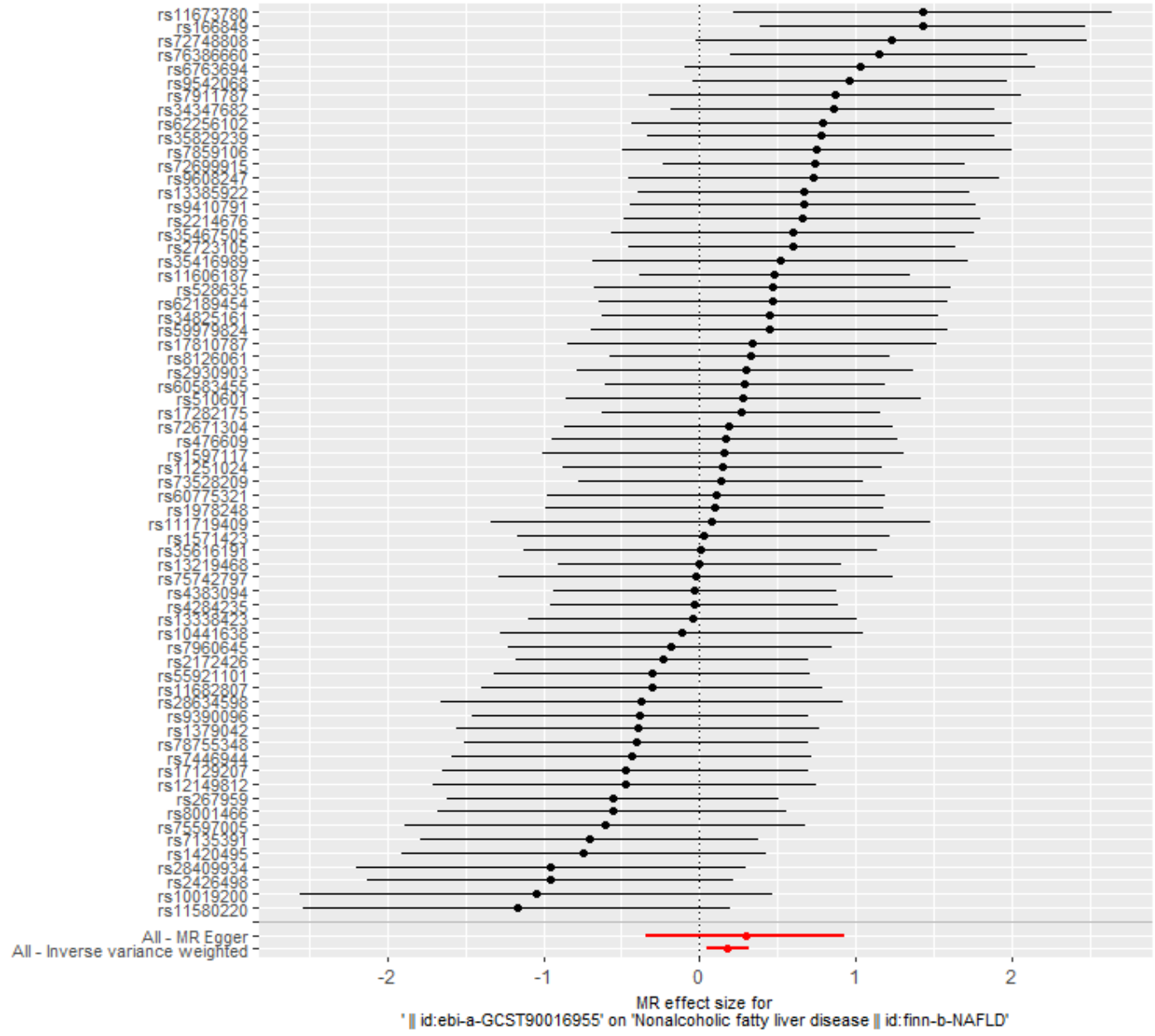
Figure 151 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown family id.1000006161) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

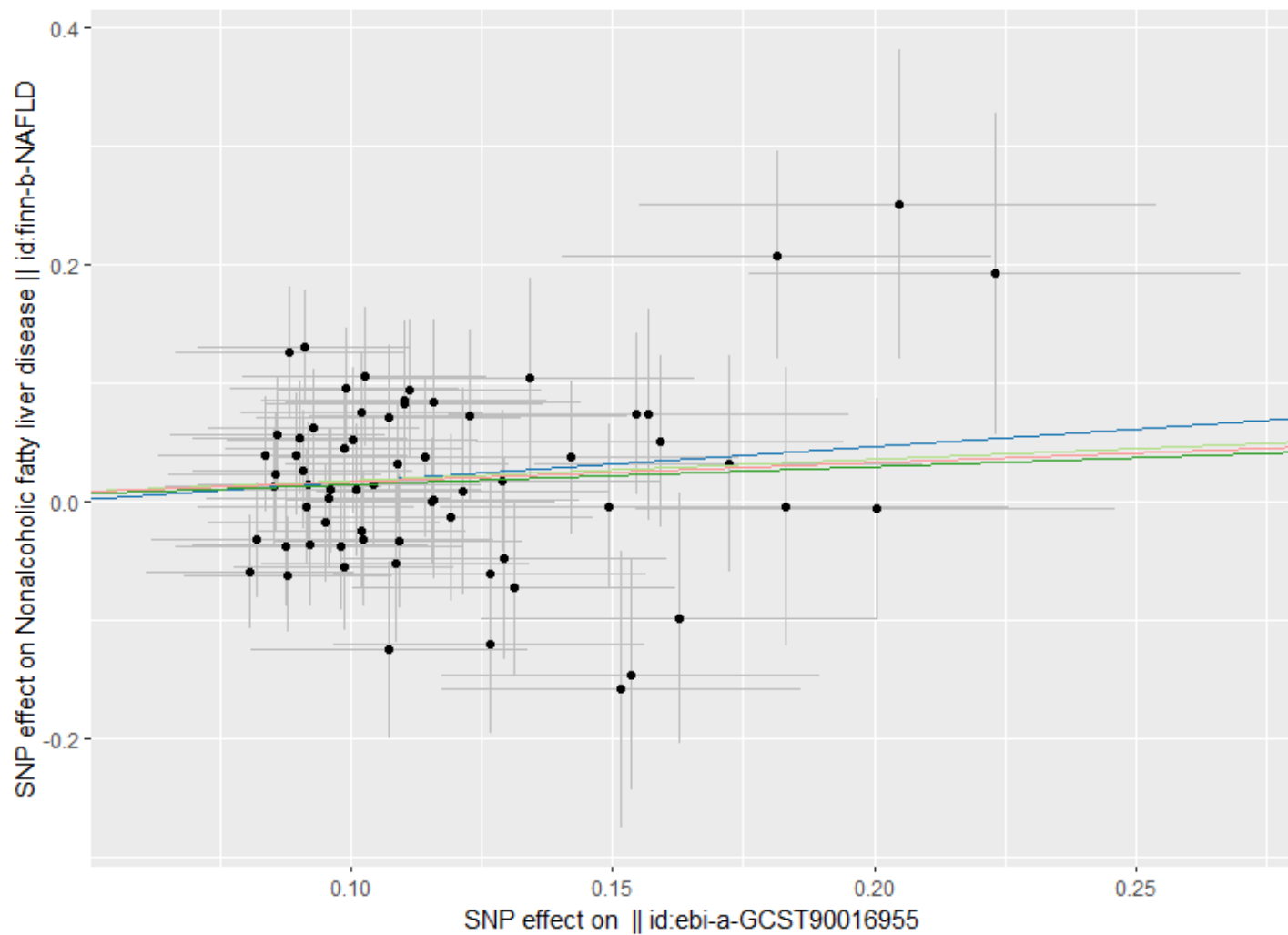
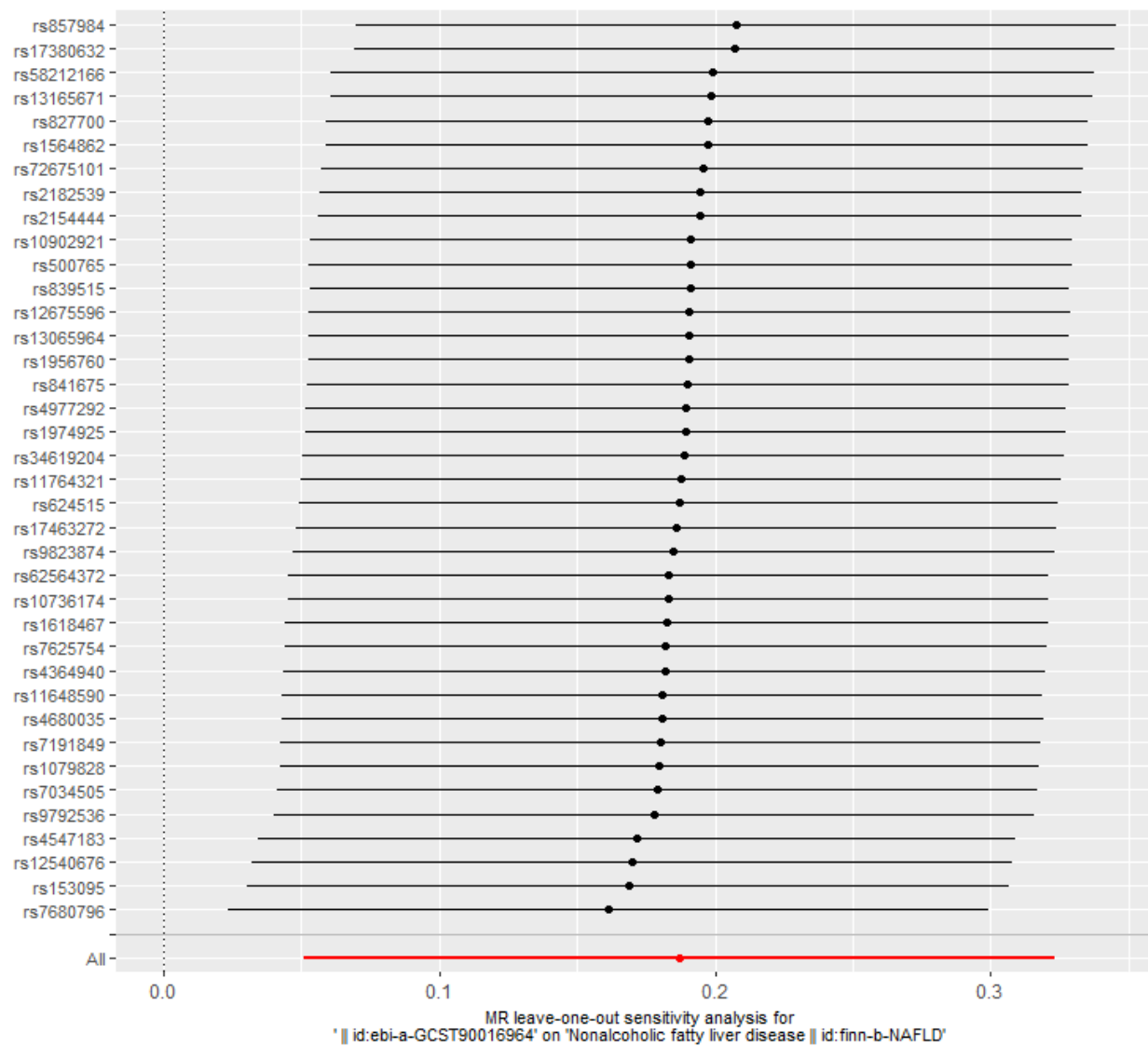
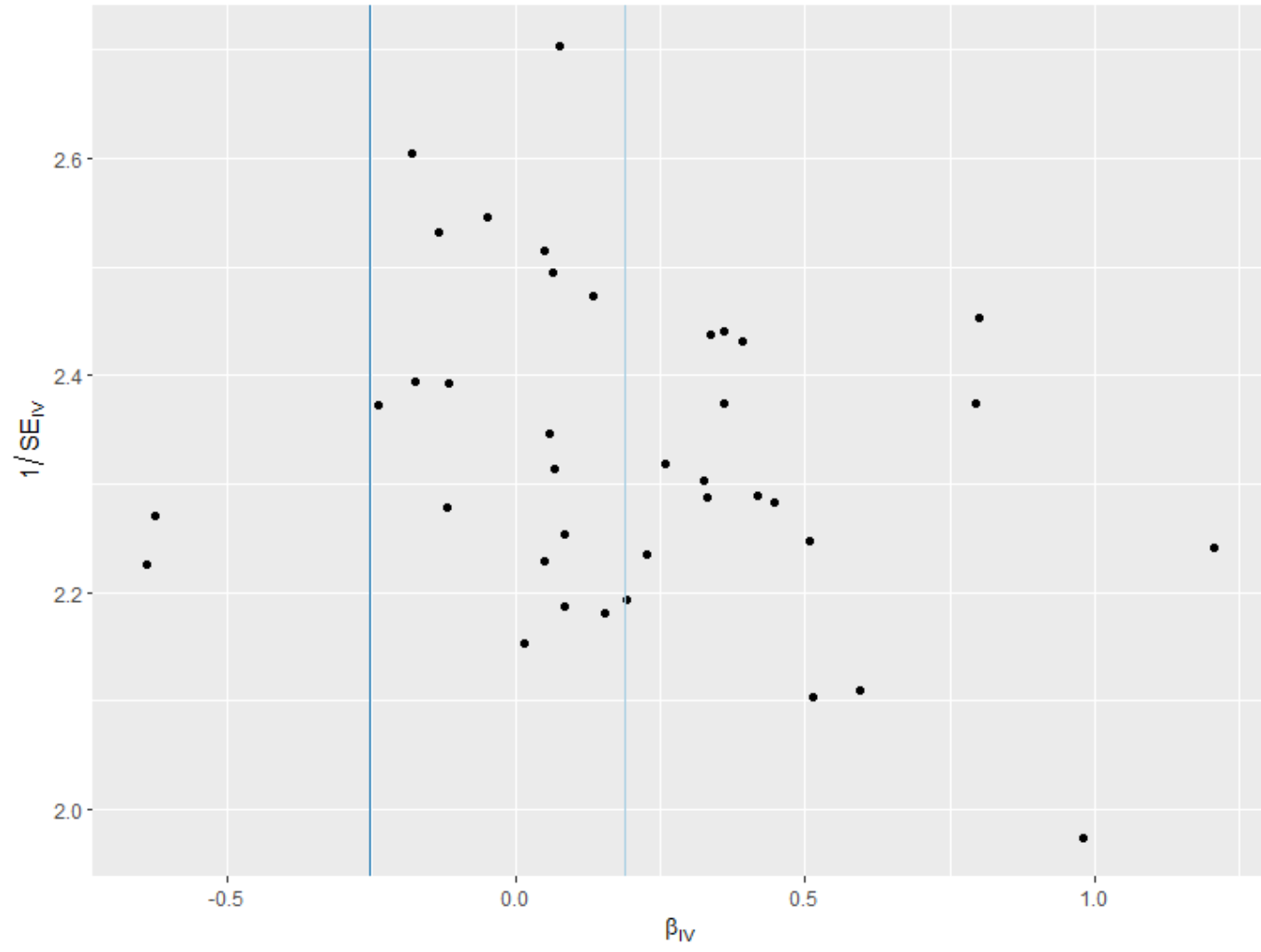


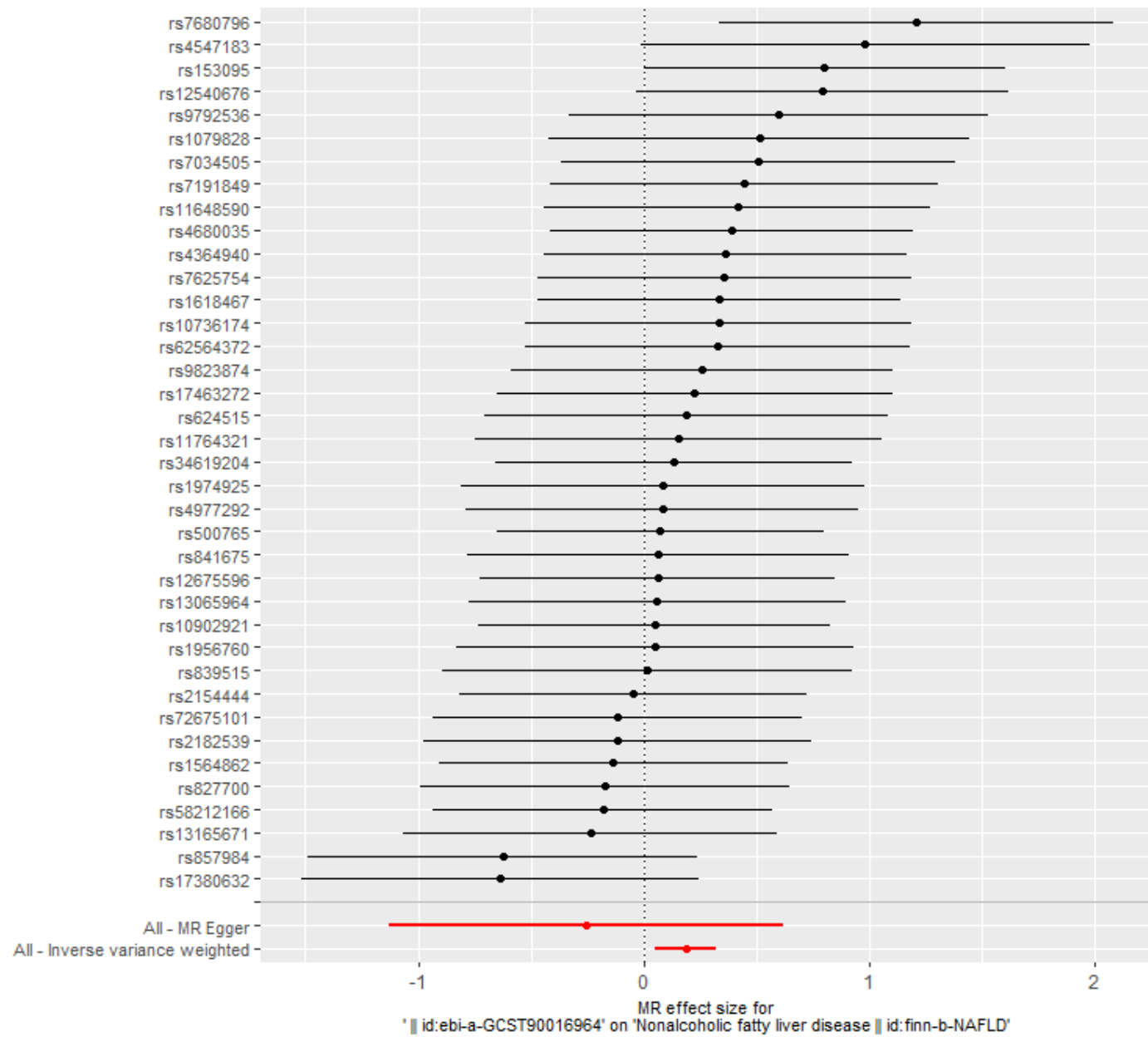
Figure 152 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Alloprevotella* id.961) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

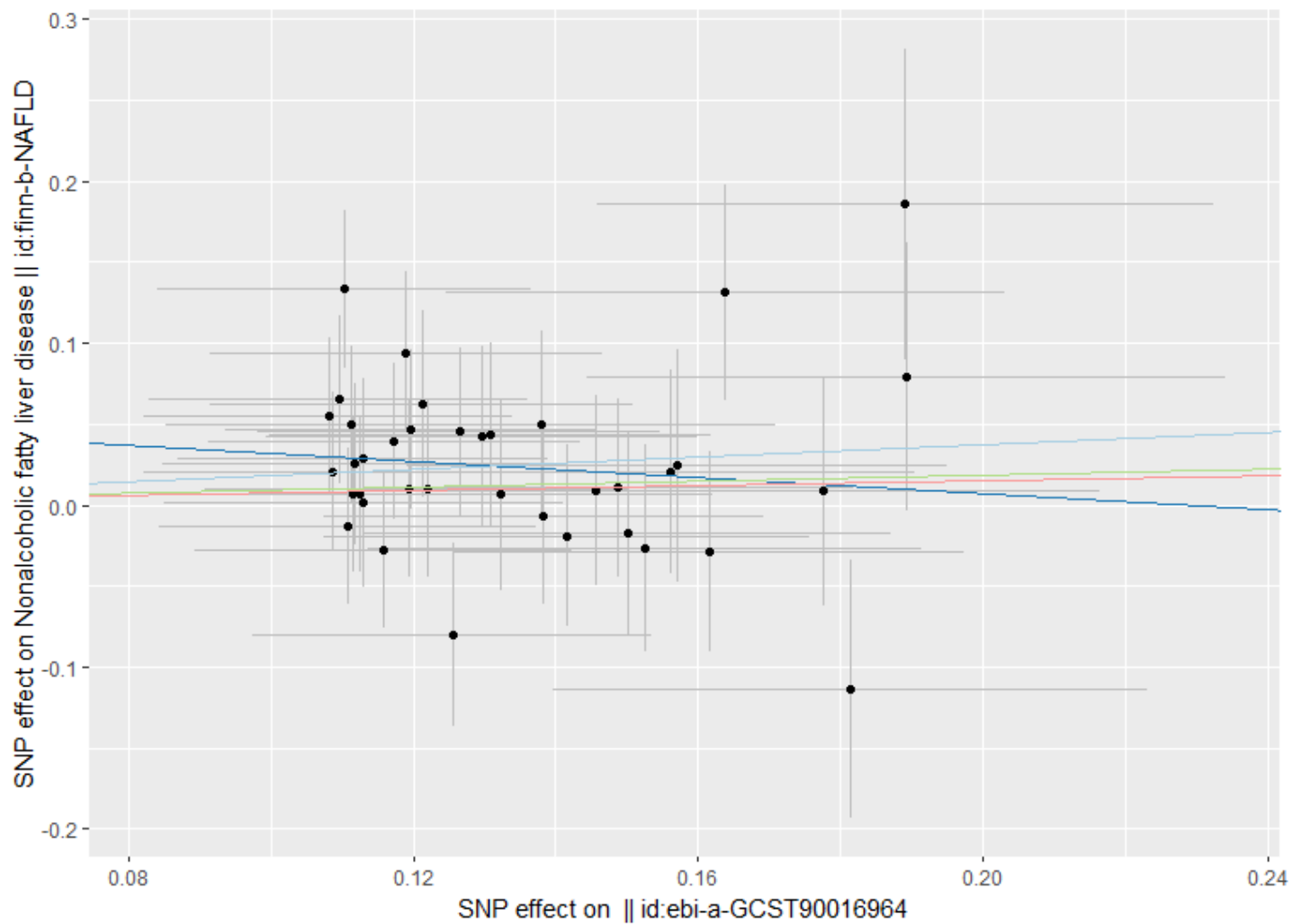
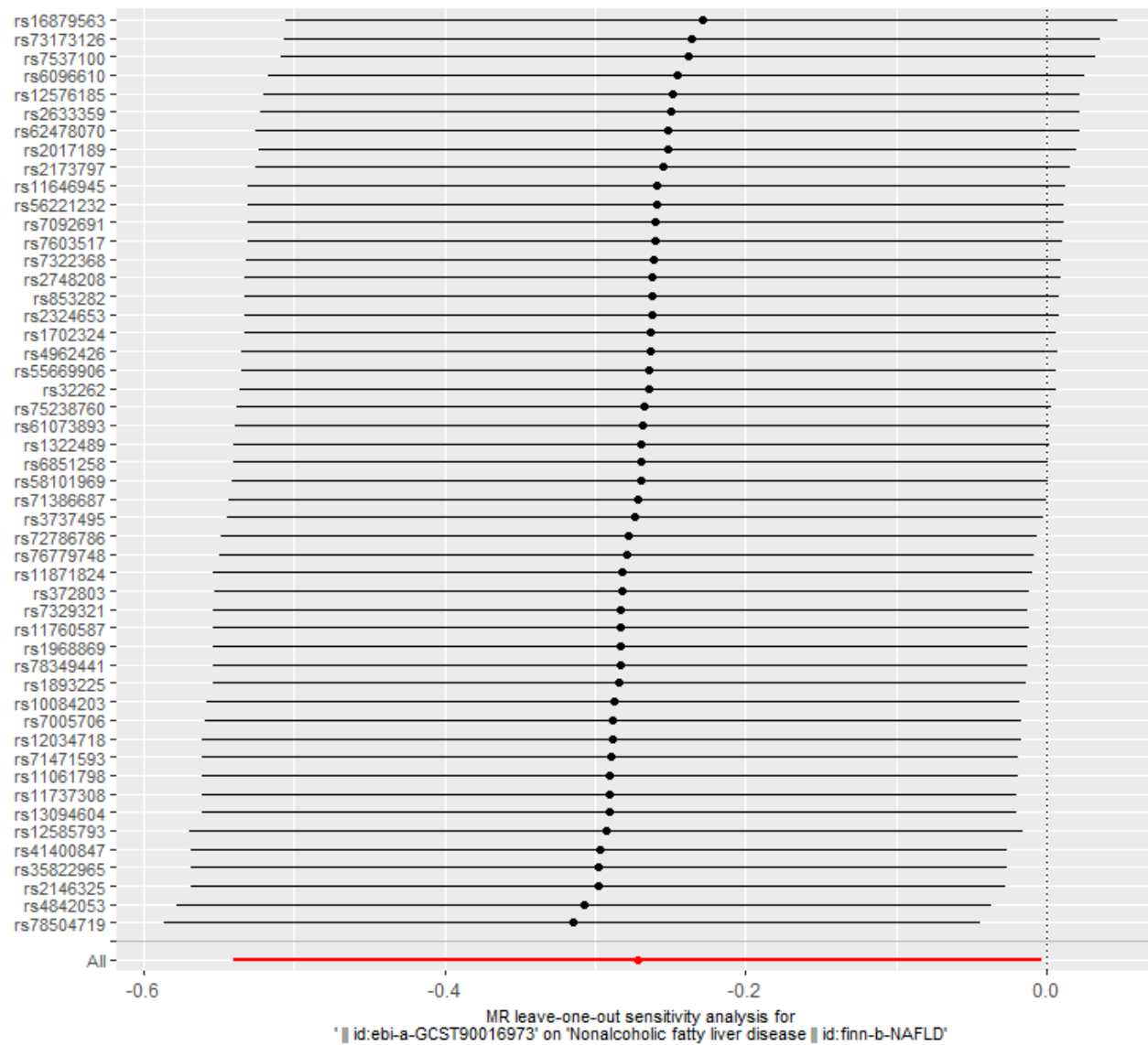
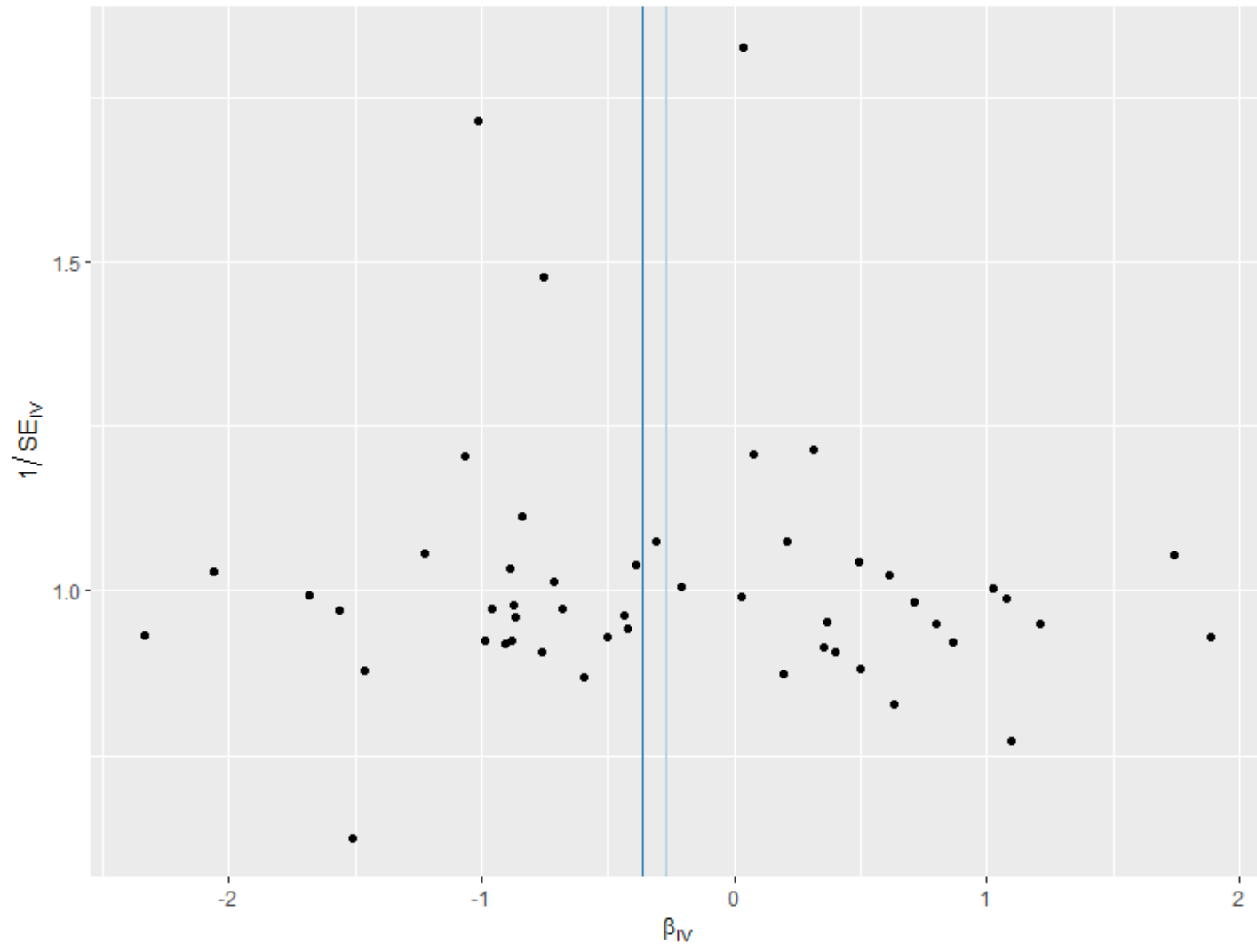


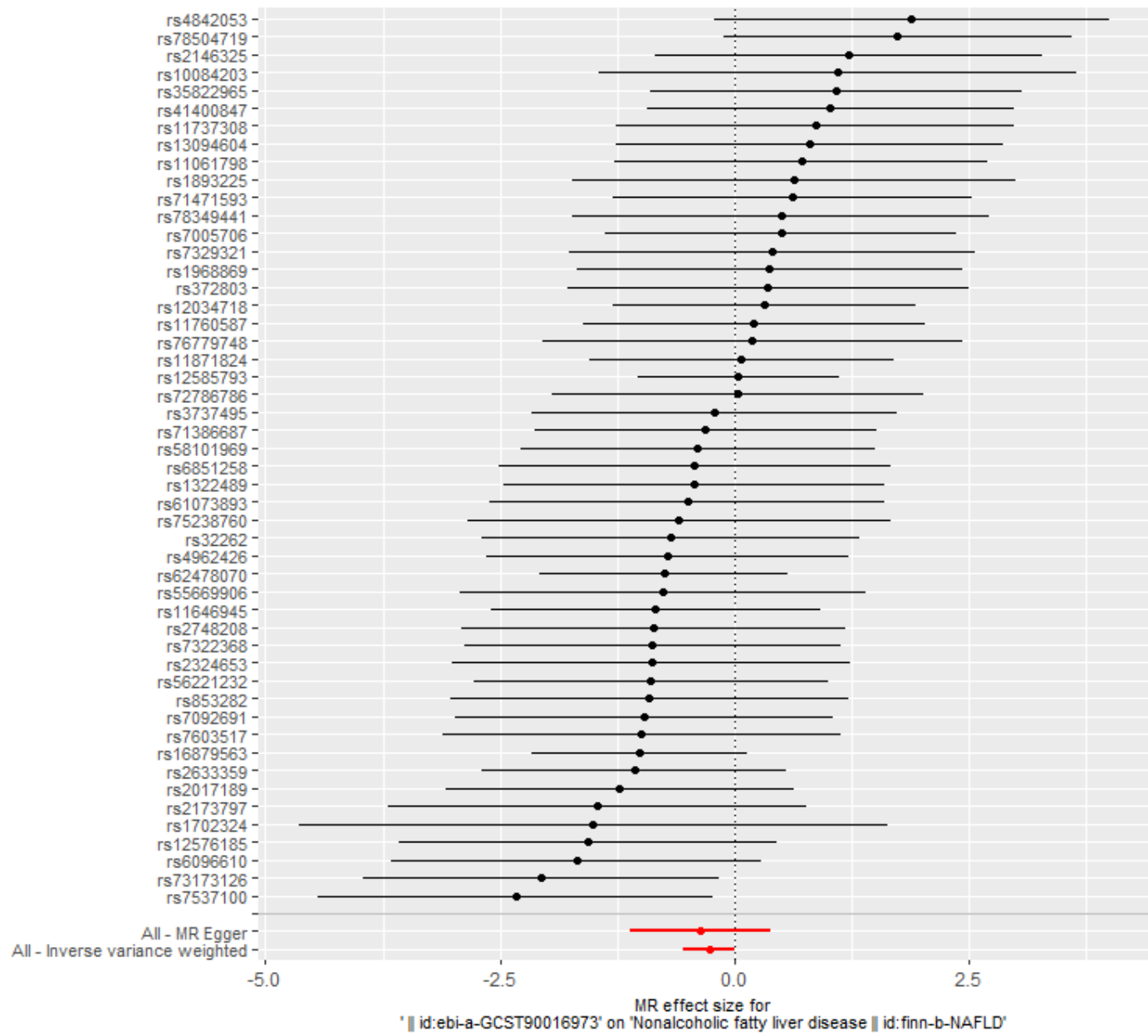
Figure 153 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Butyricicoccus* id.2055) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





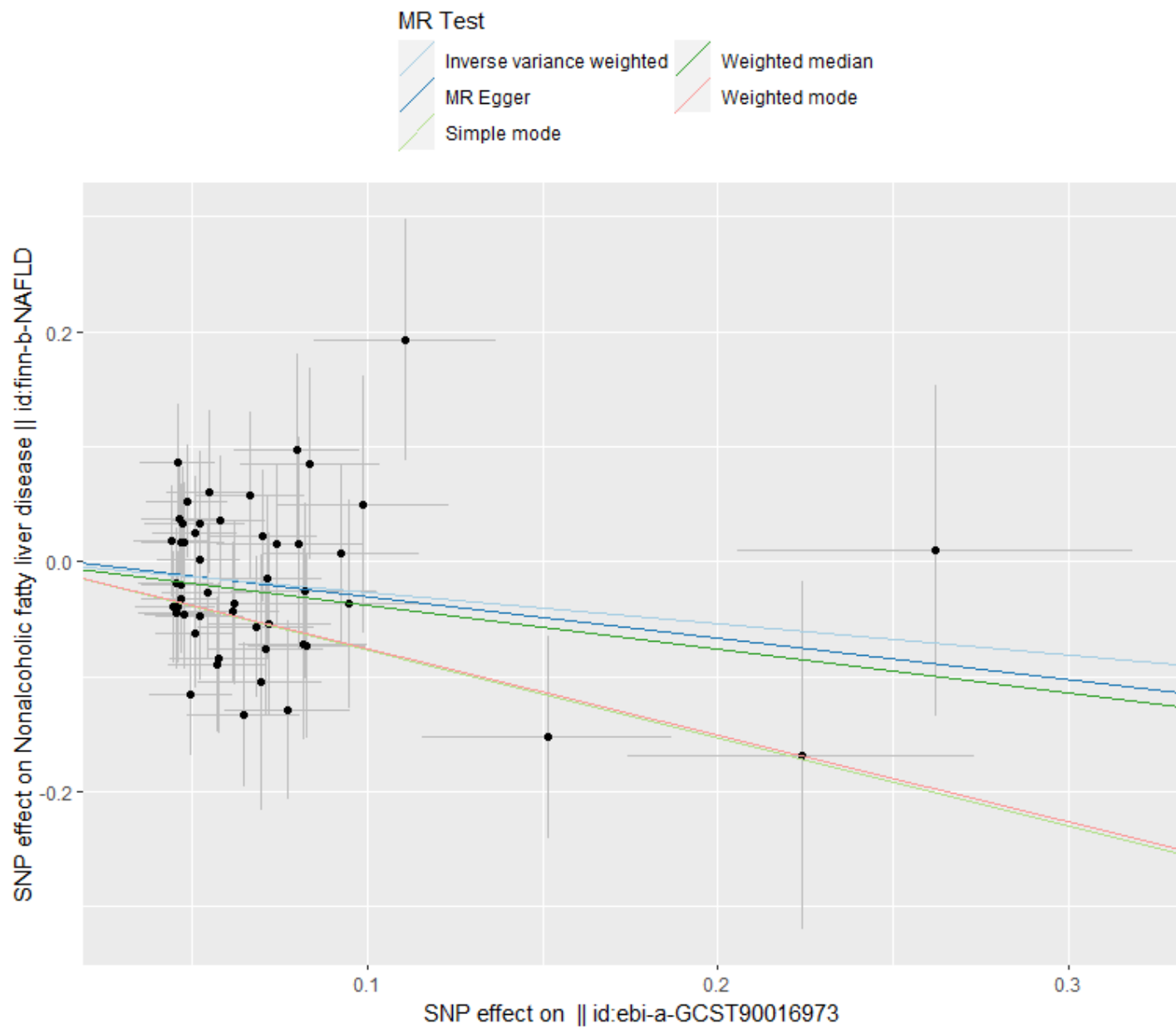
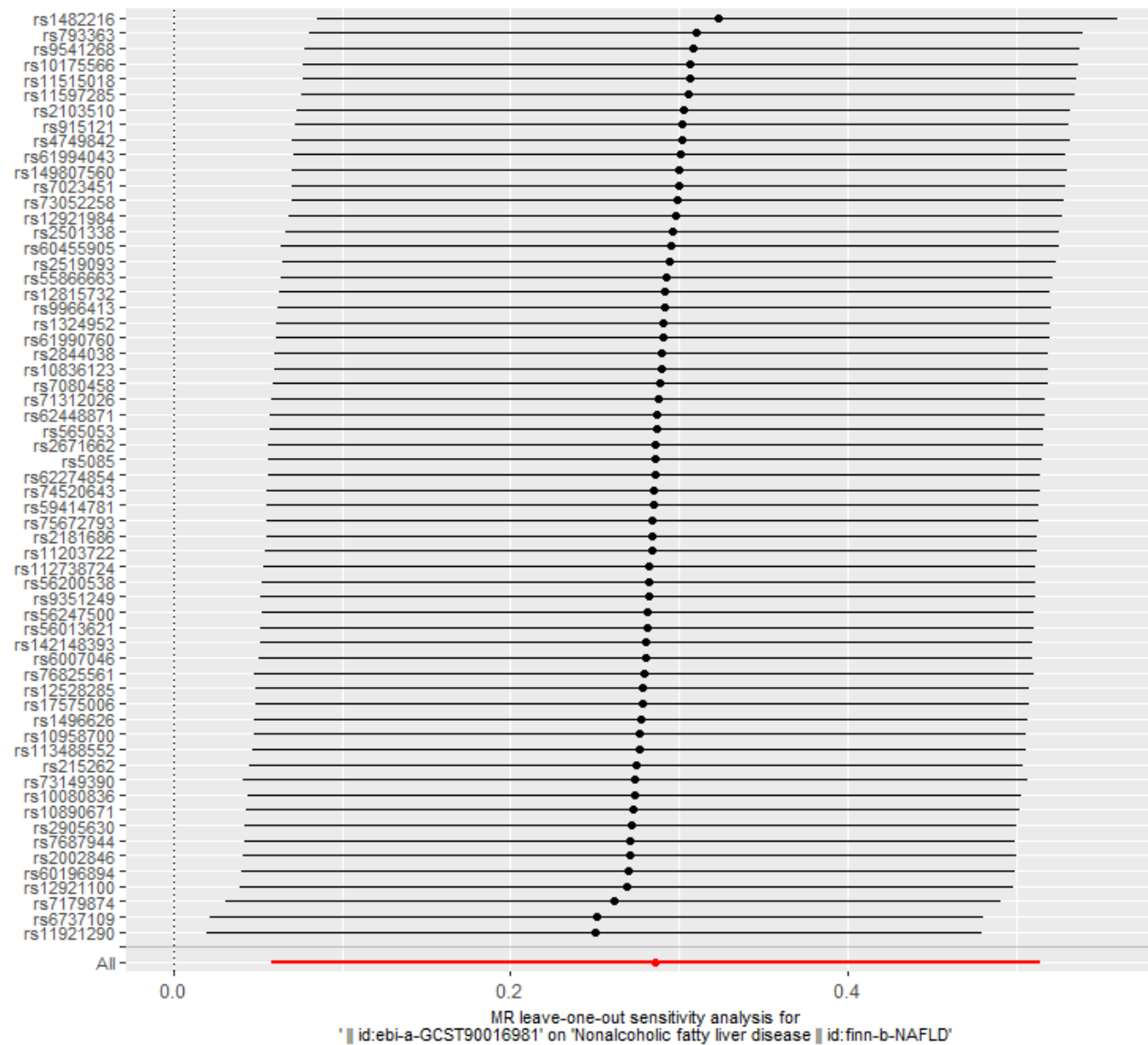
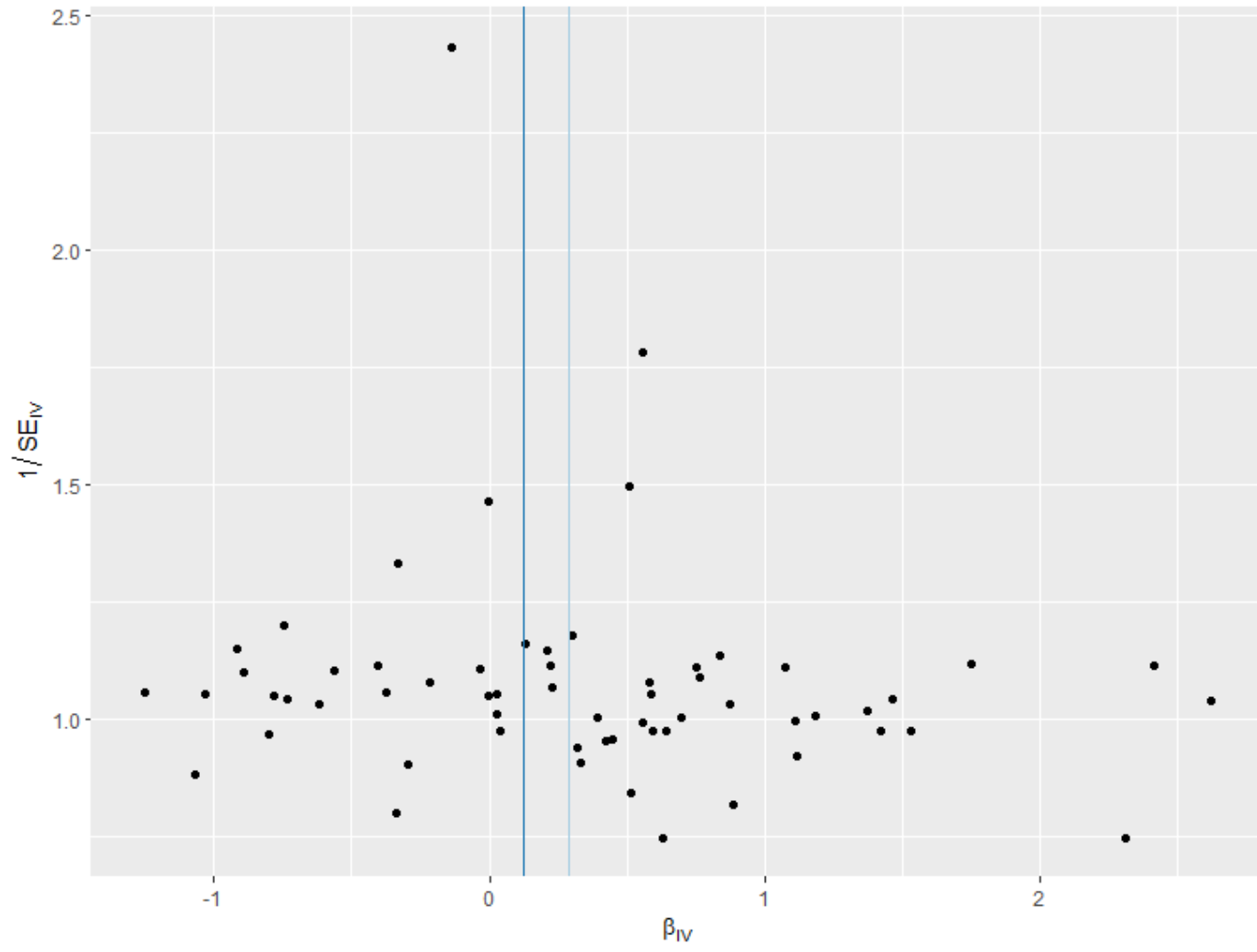


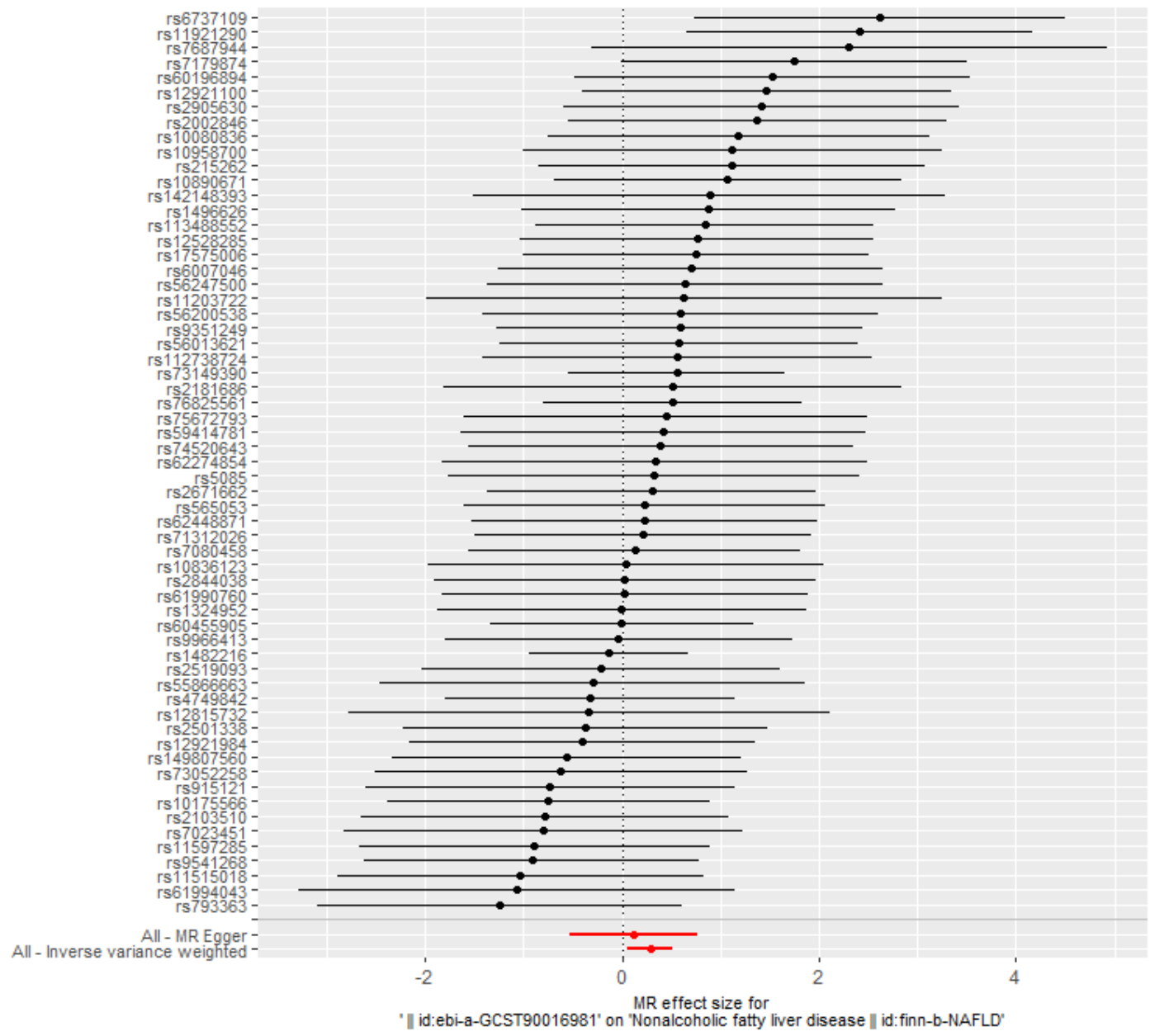
Figure 154 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Collinsella* id.815) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

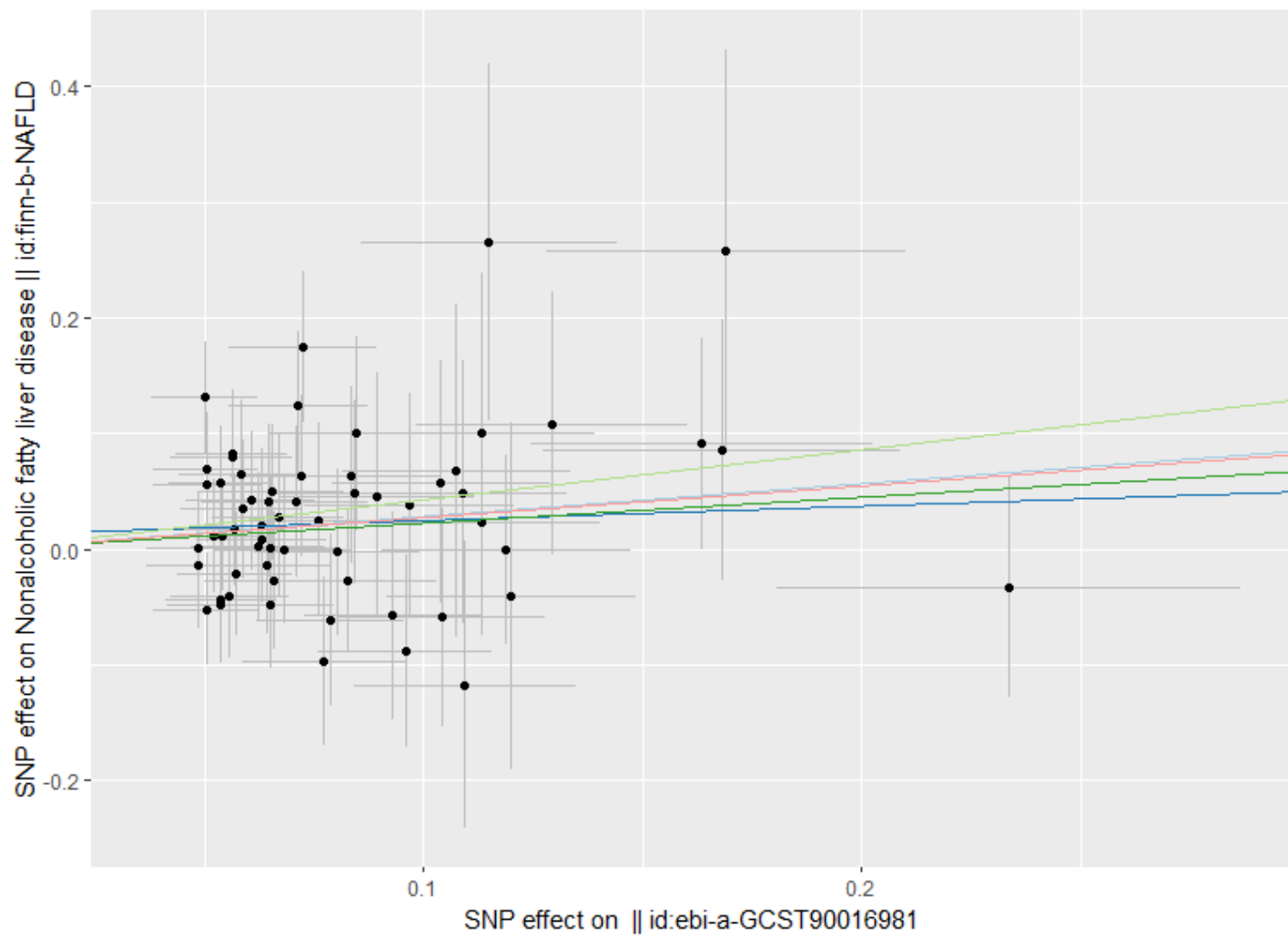
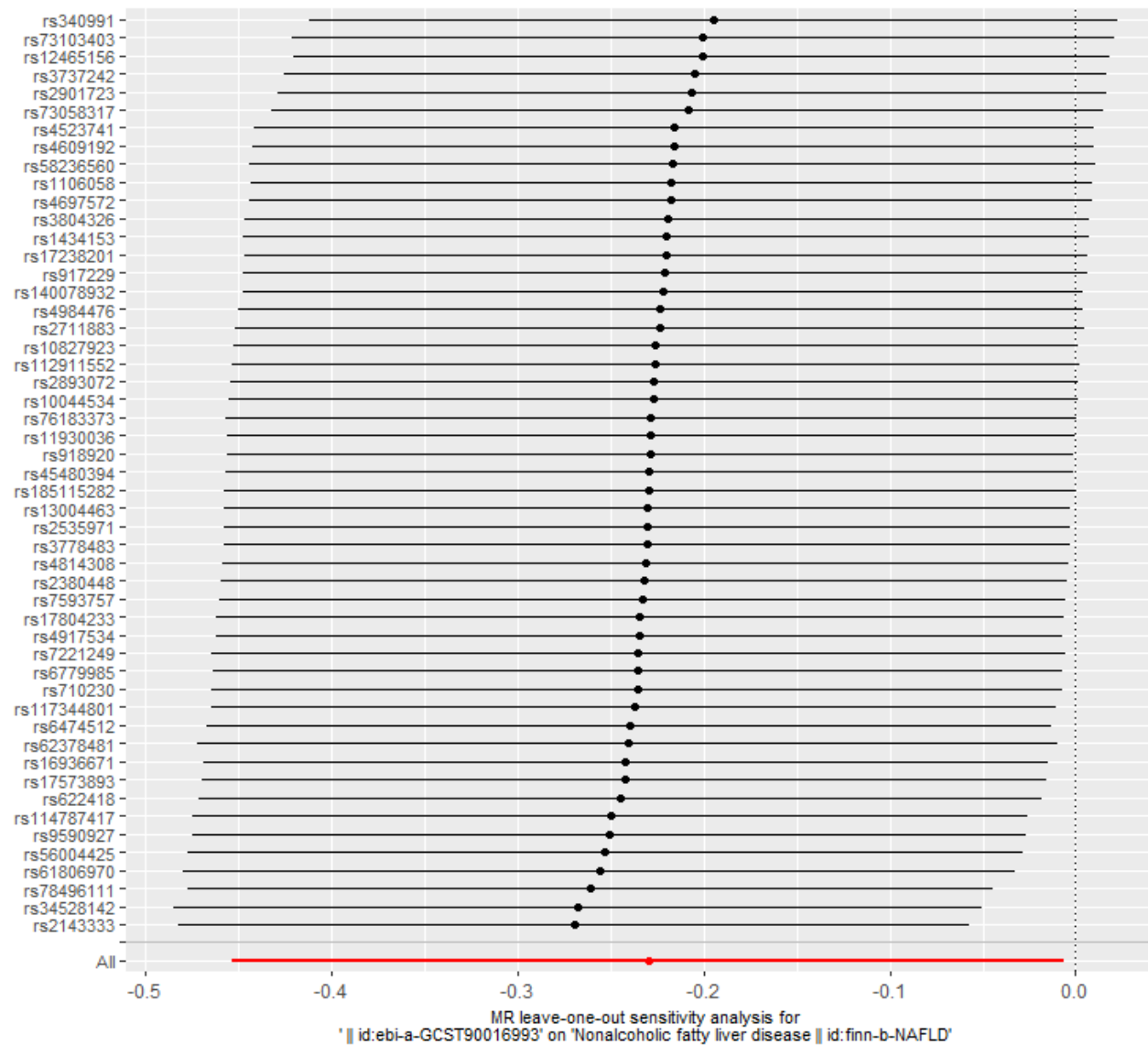
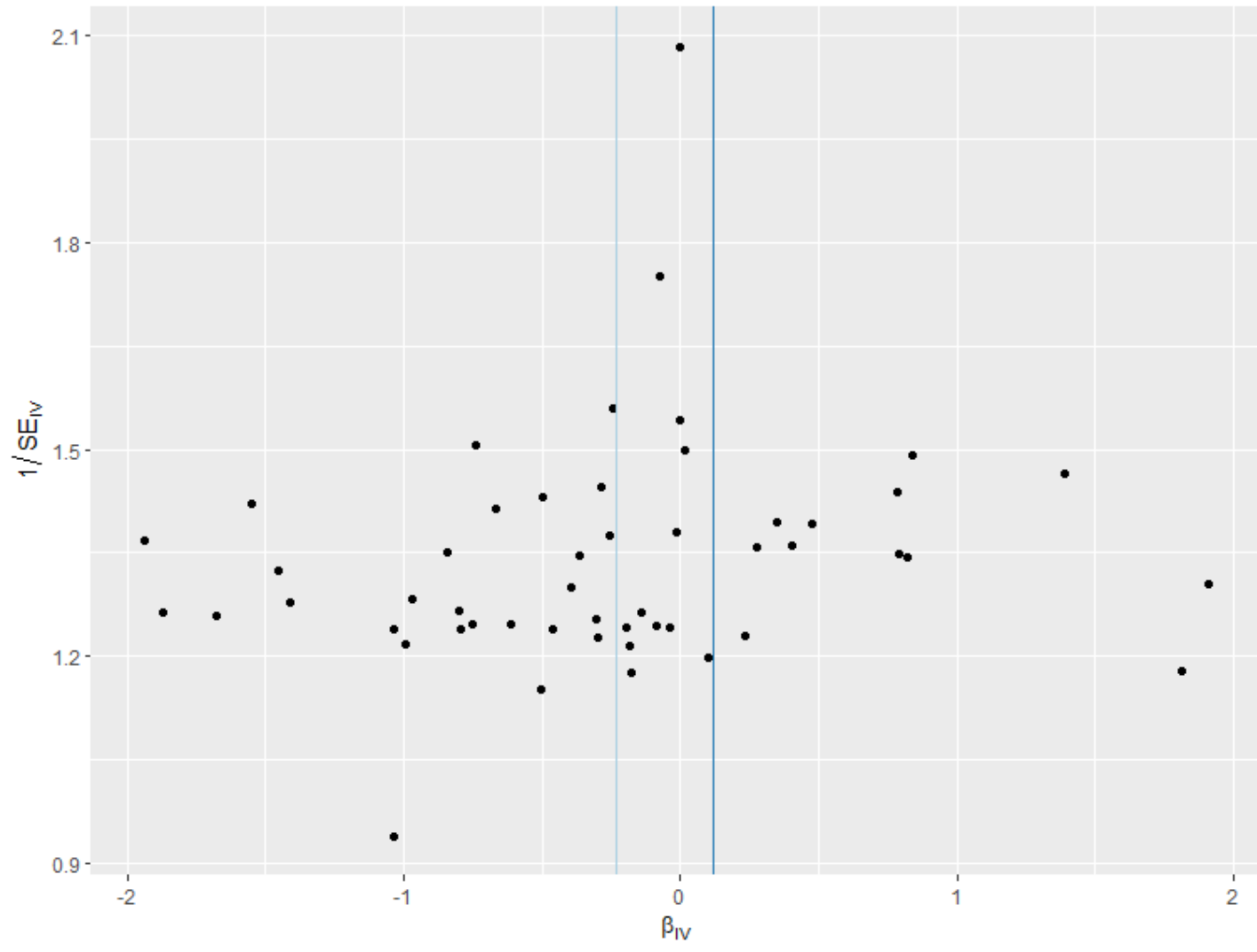


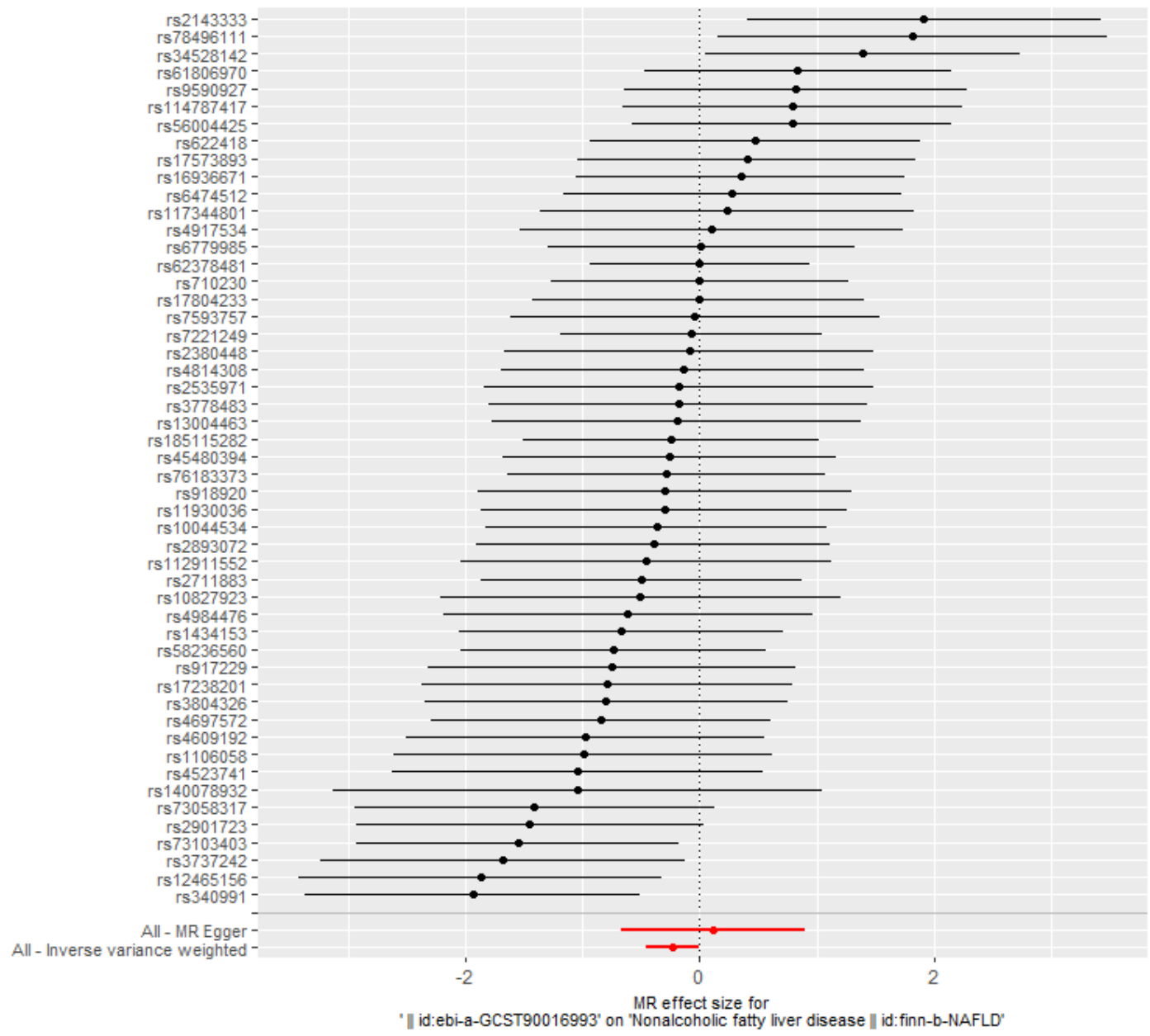
Figure 155 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Erysipelatoclostridium* id.11381) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

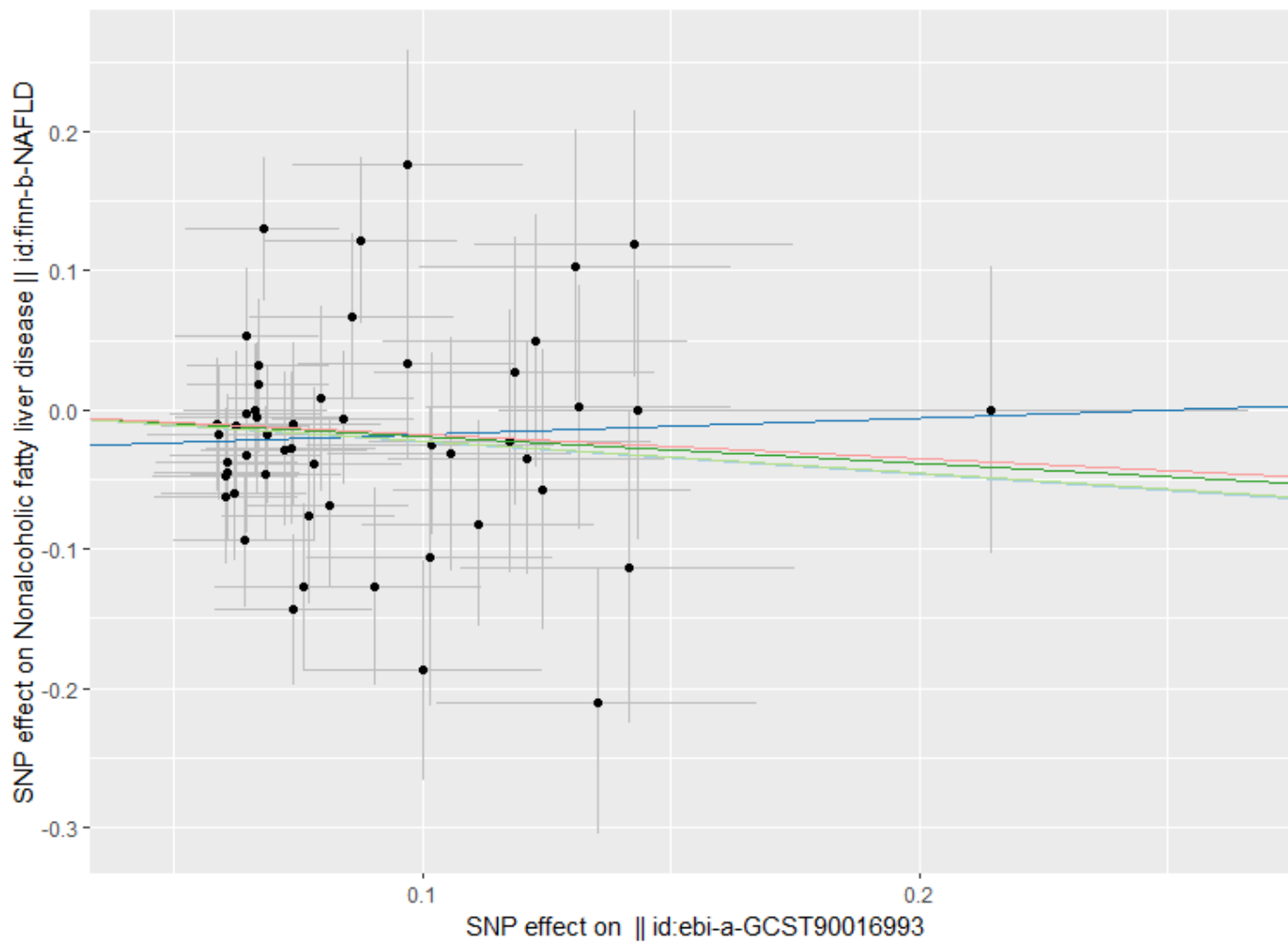
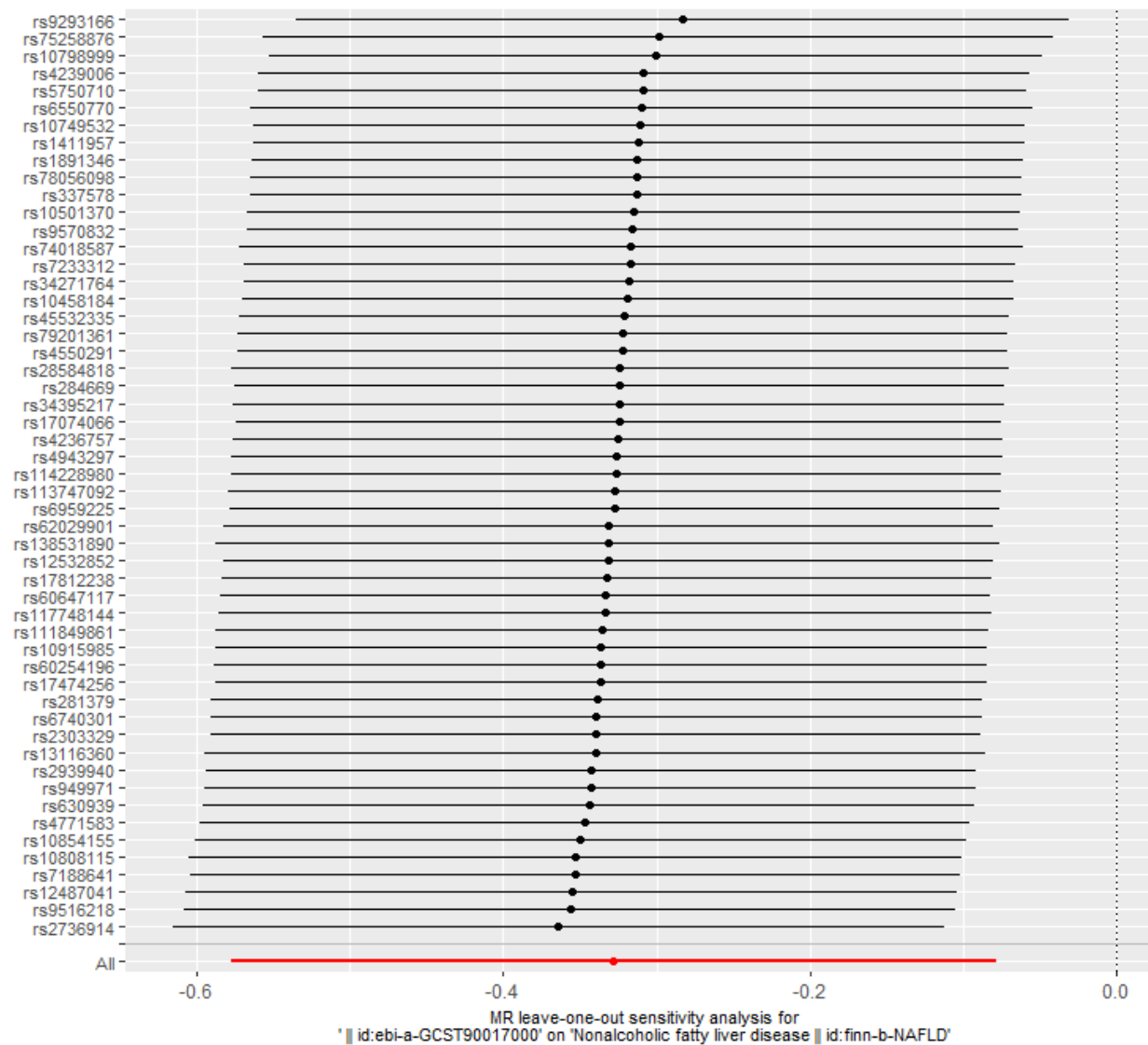
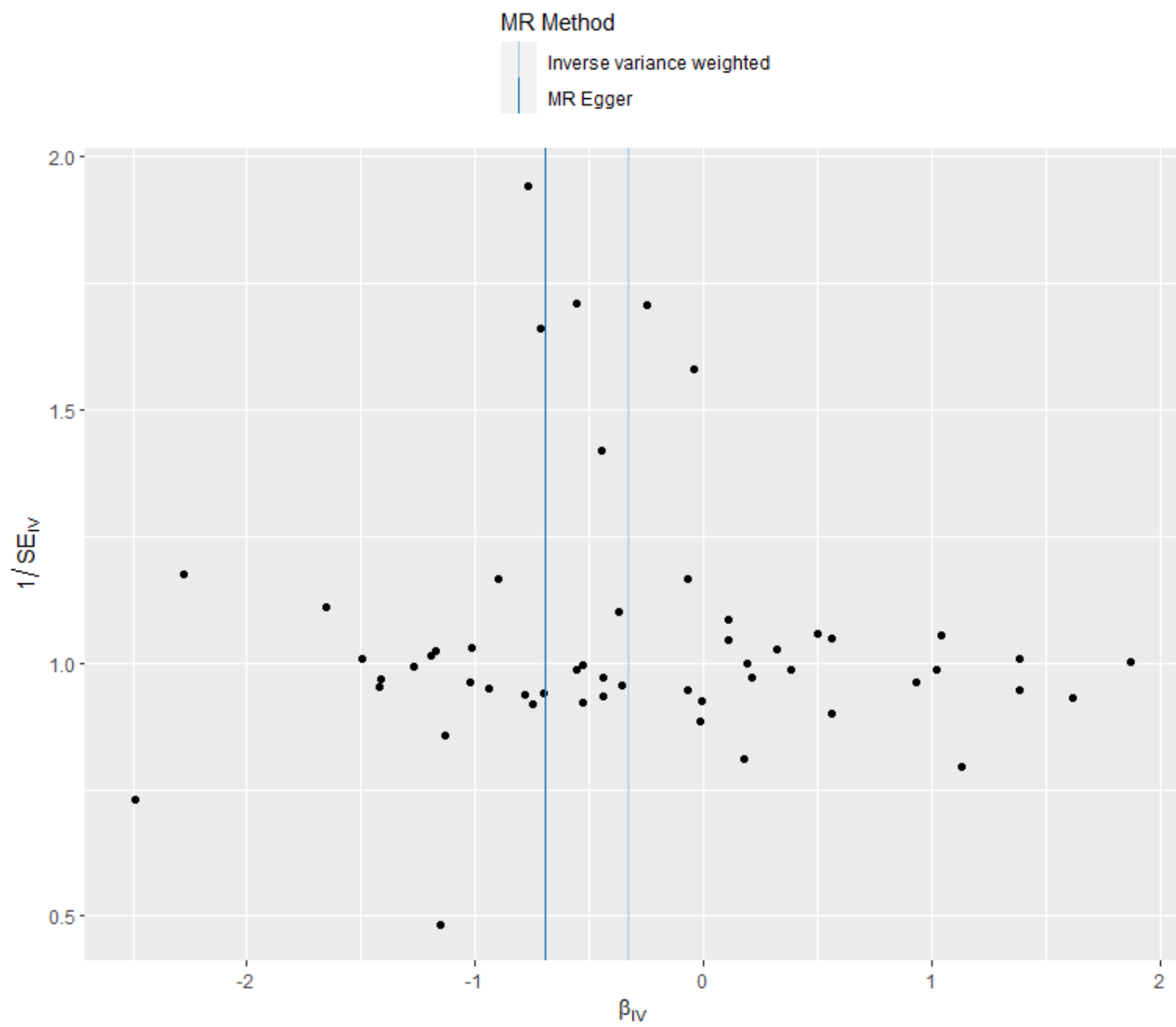
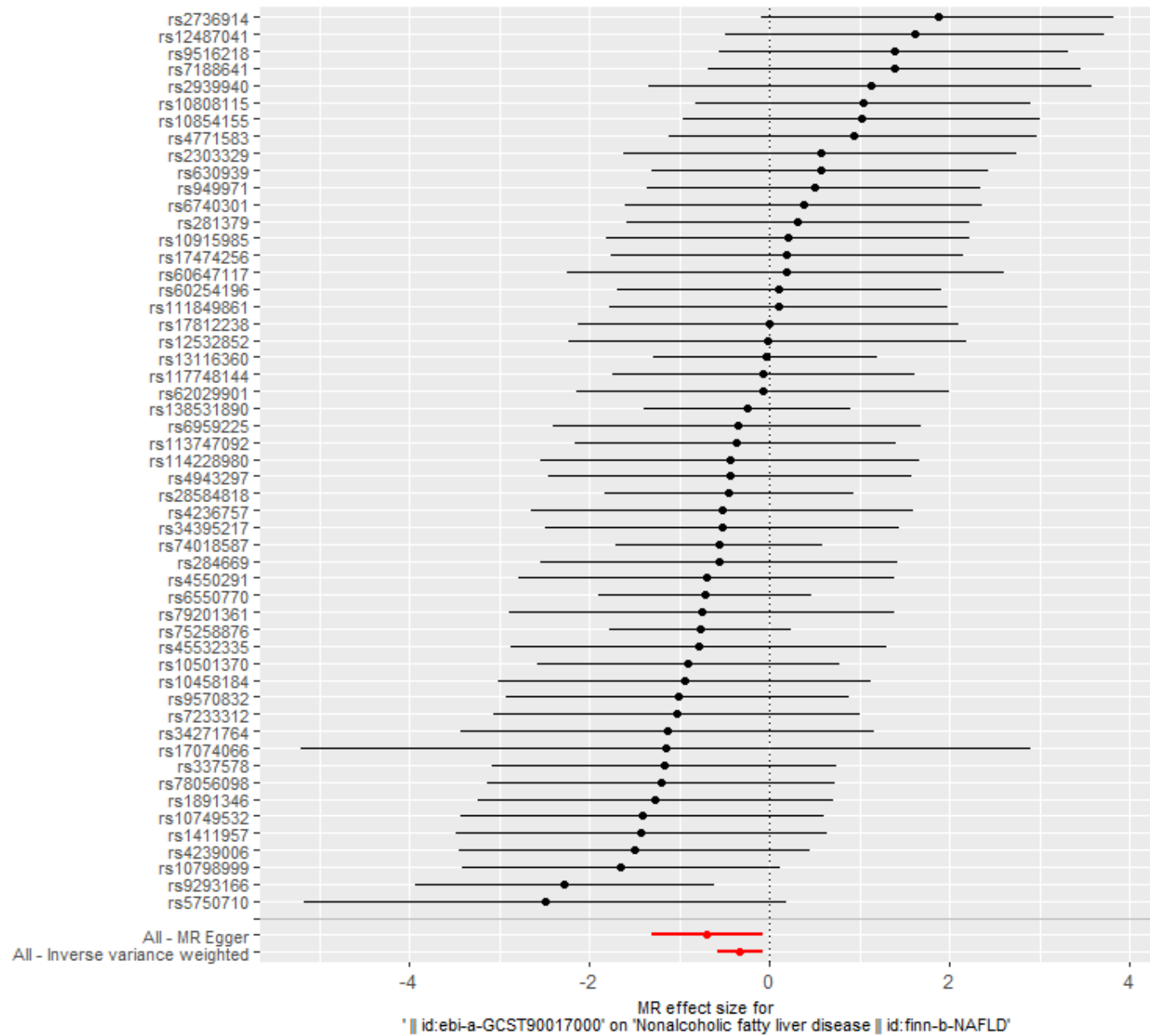


Figure 156 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium hallii* group id.11338) on nonalcoholic fatty liver disease







MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

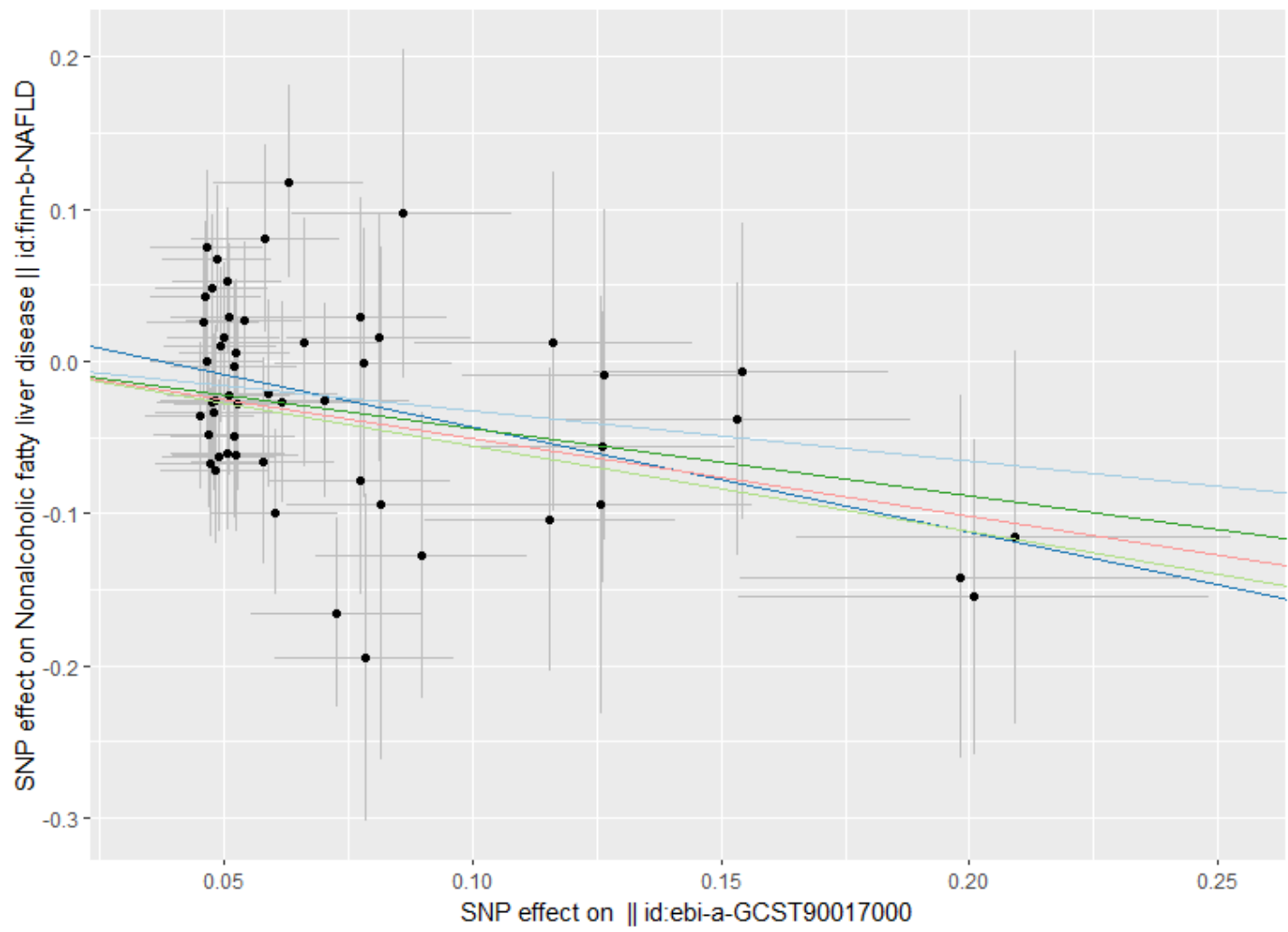
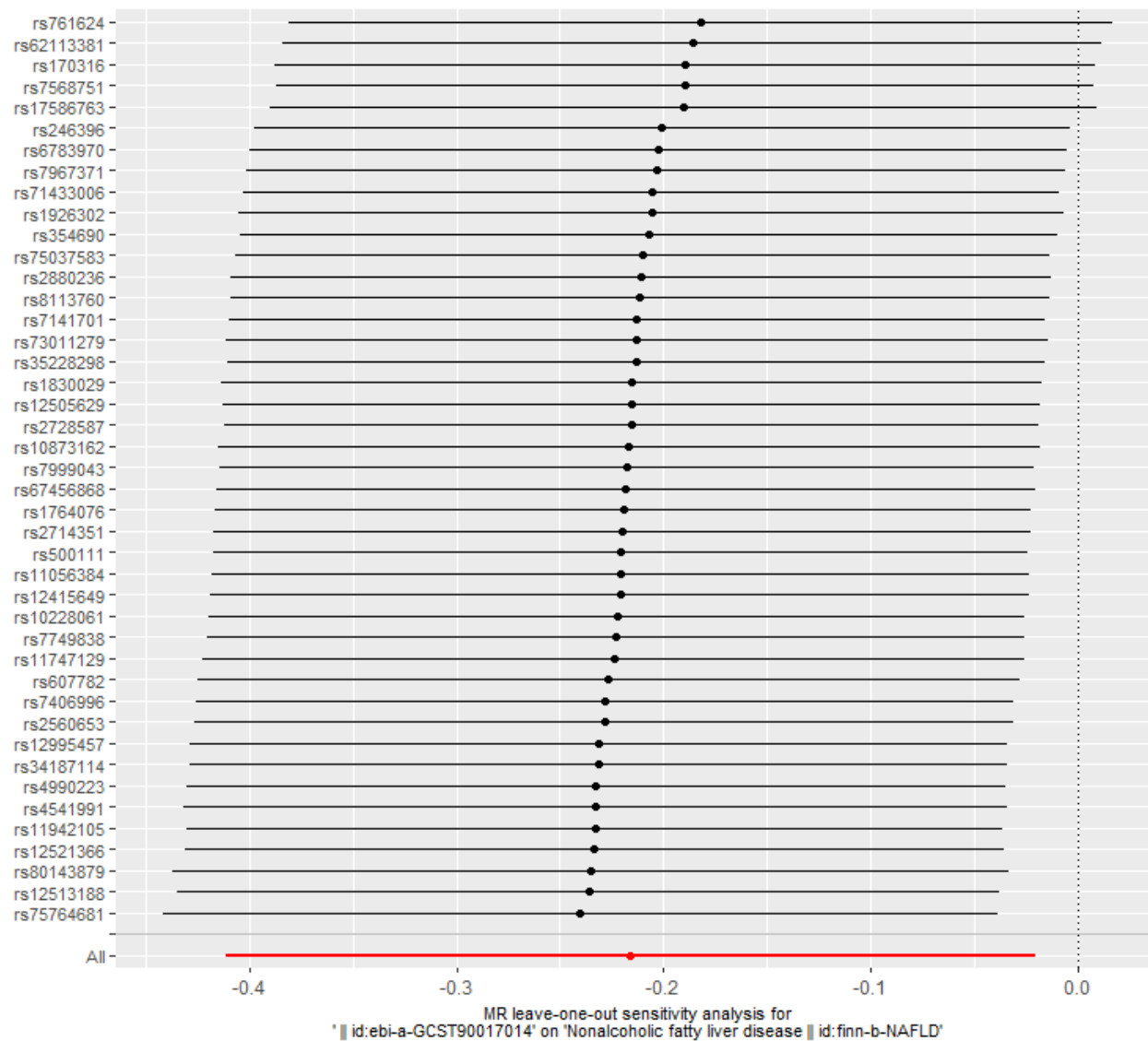
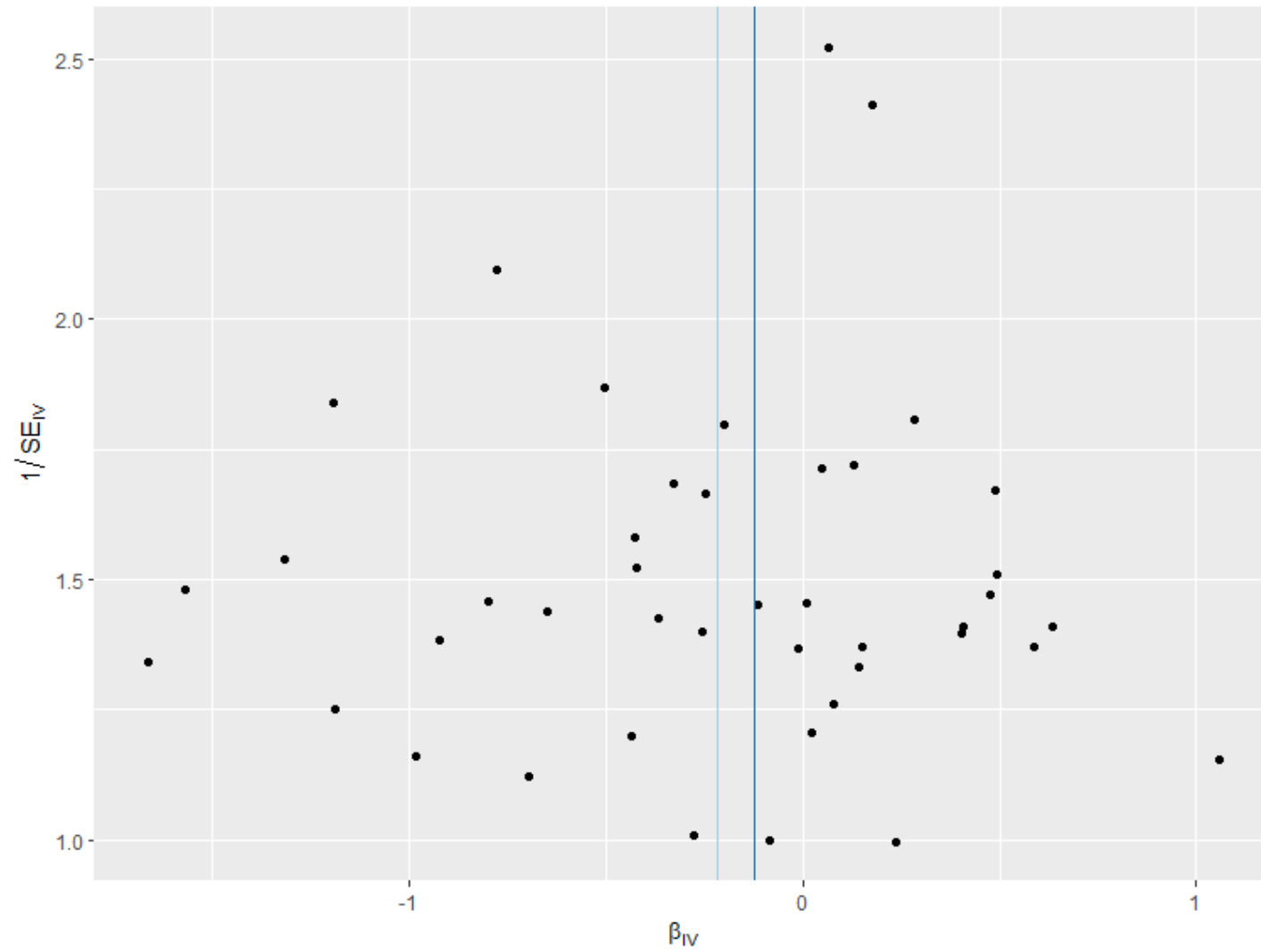


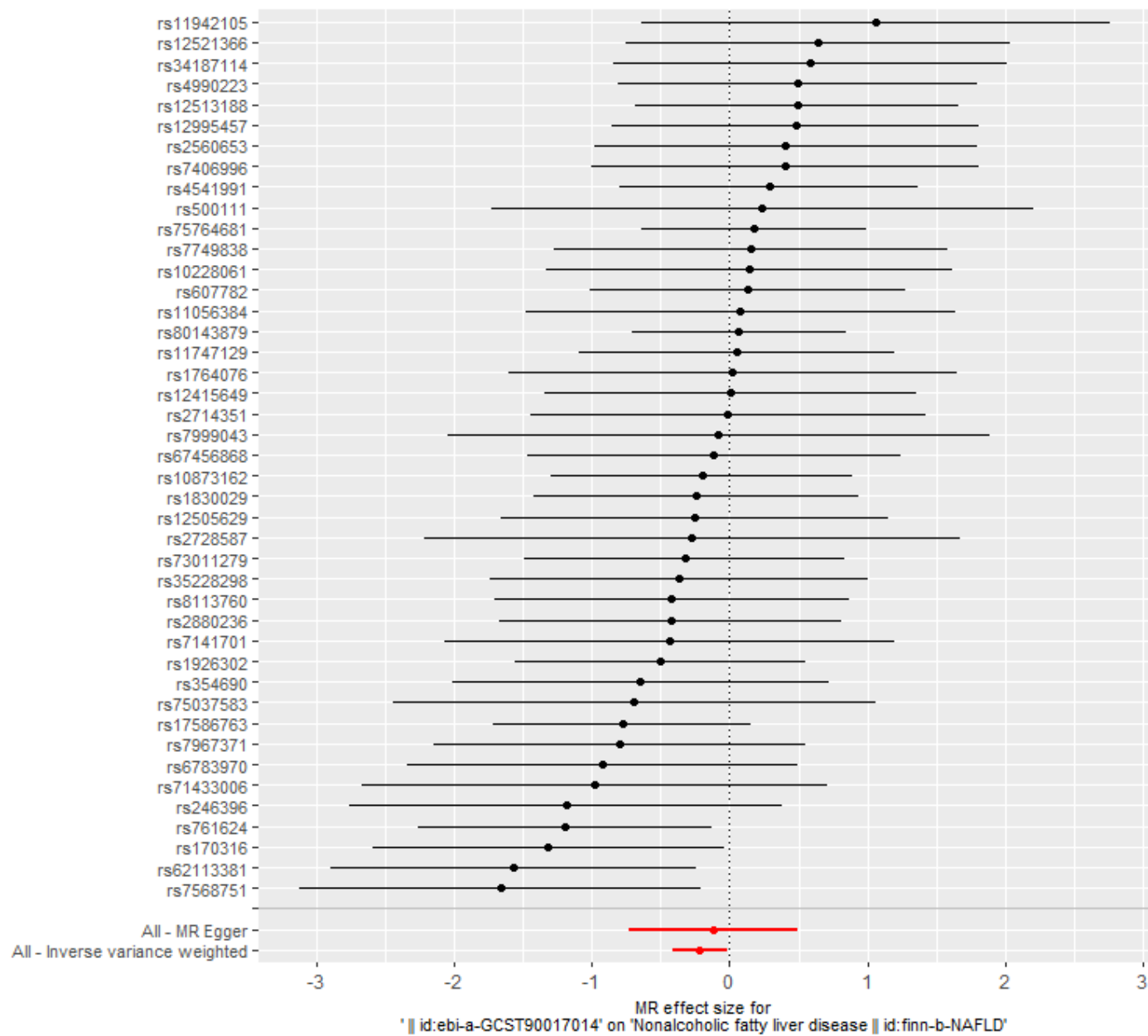
Figure 157 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Holdemanella* id.11393) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

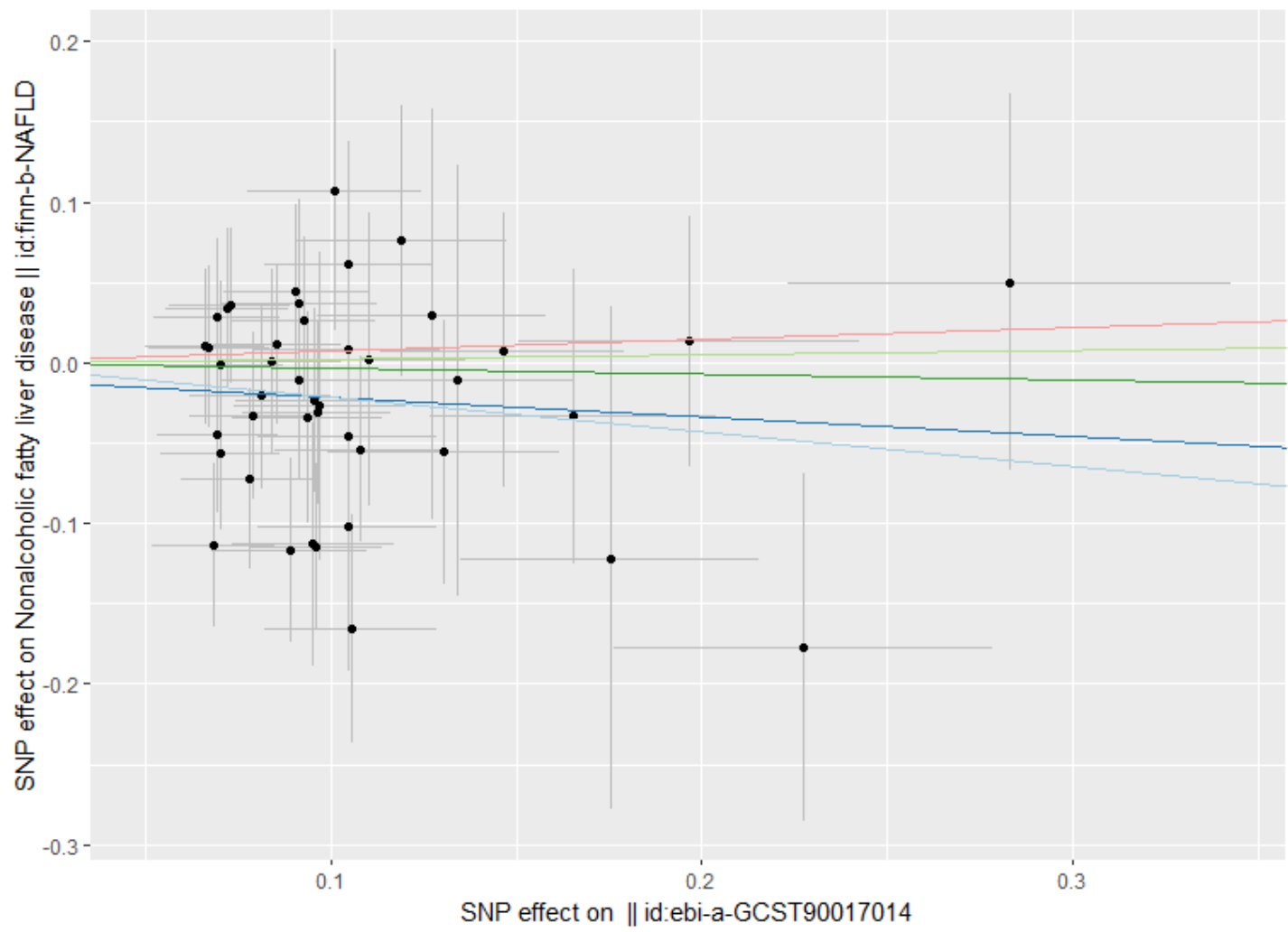
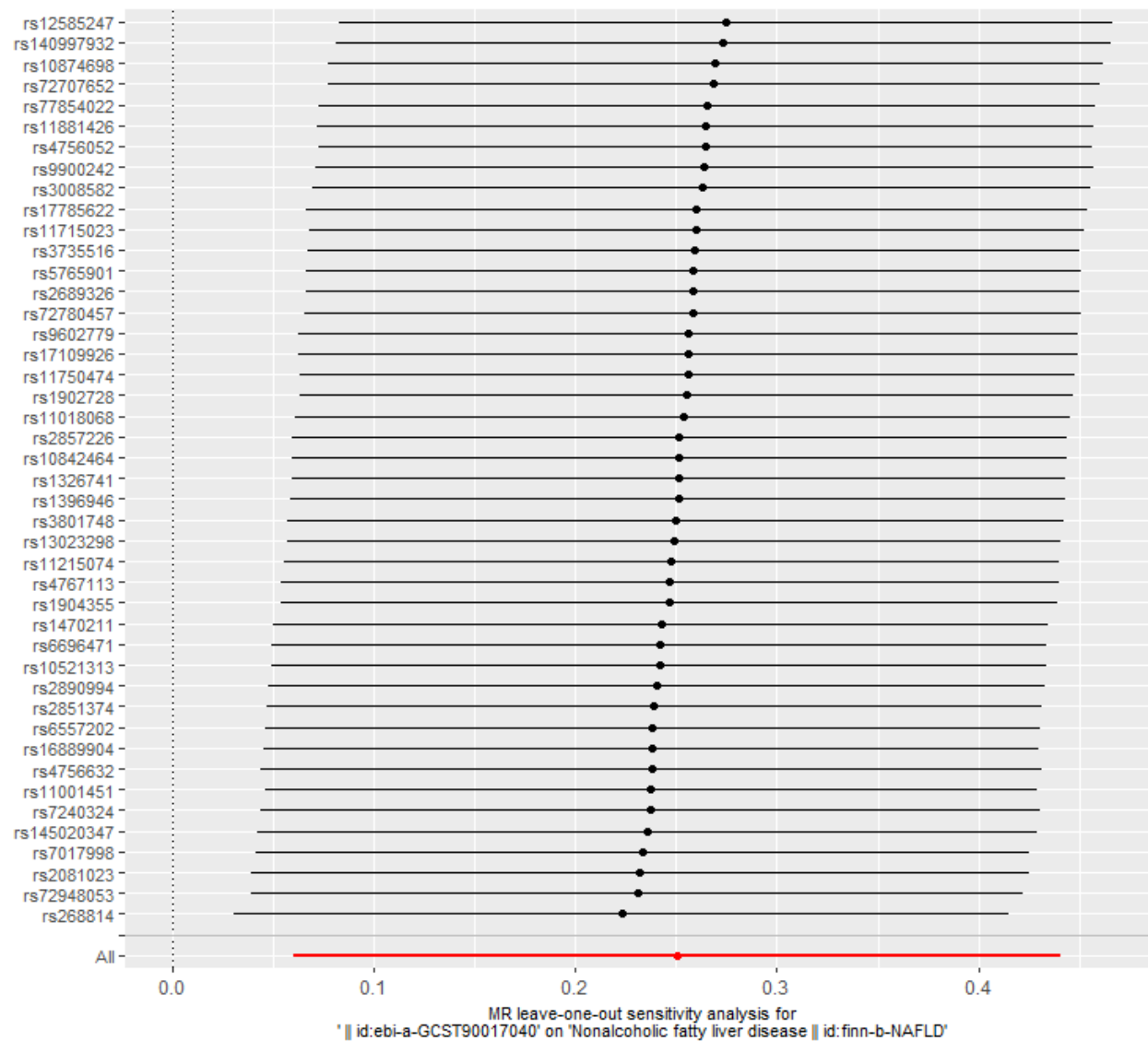
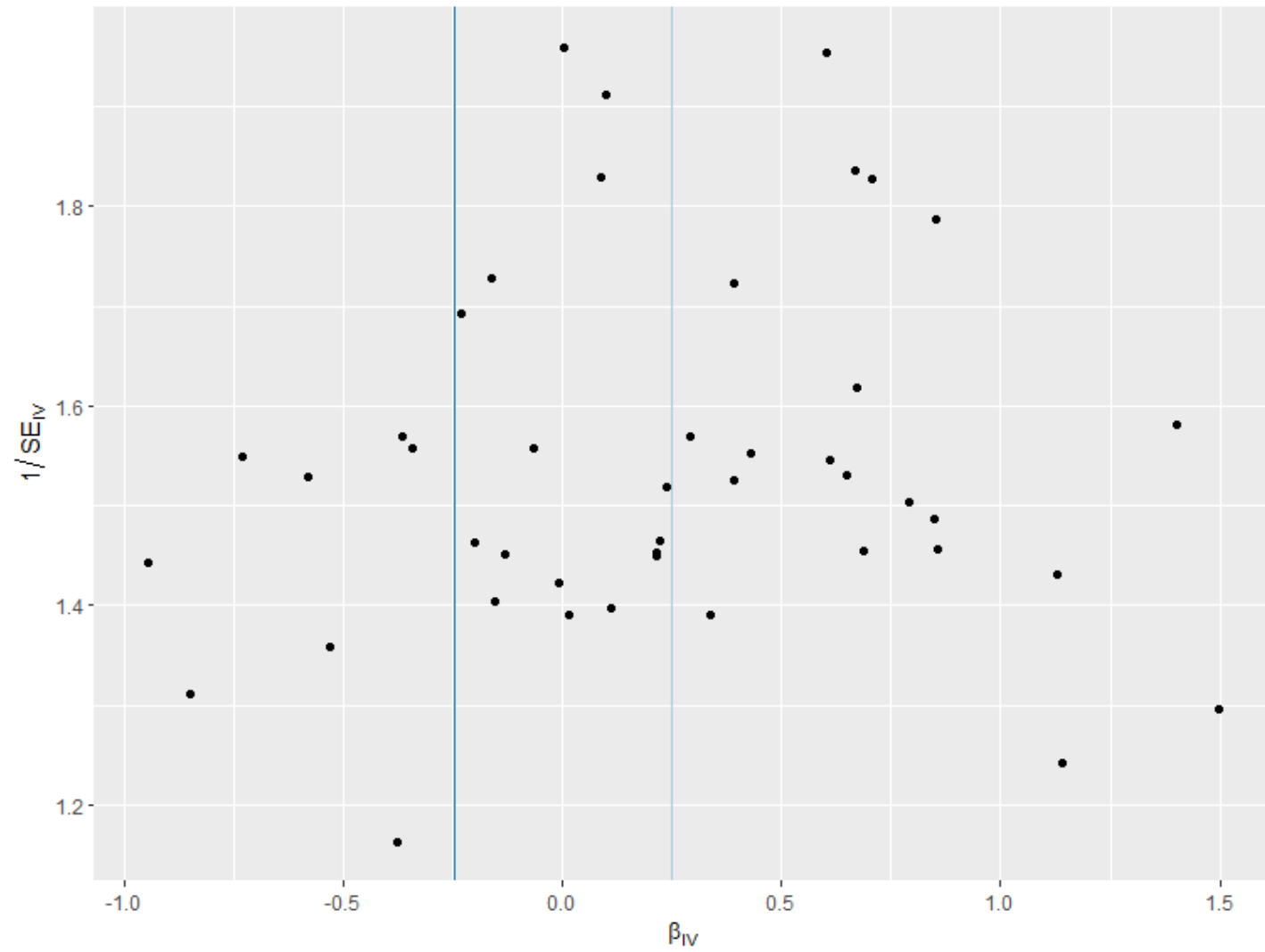


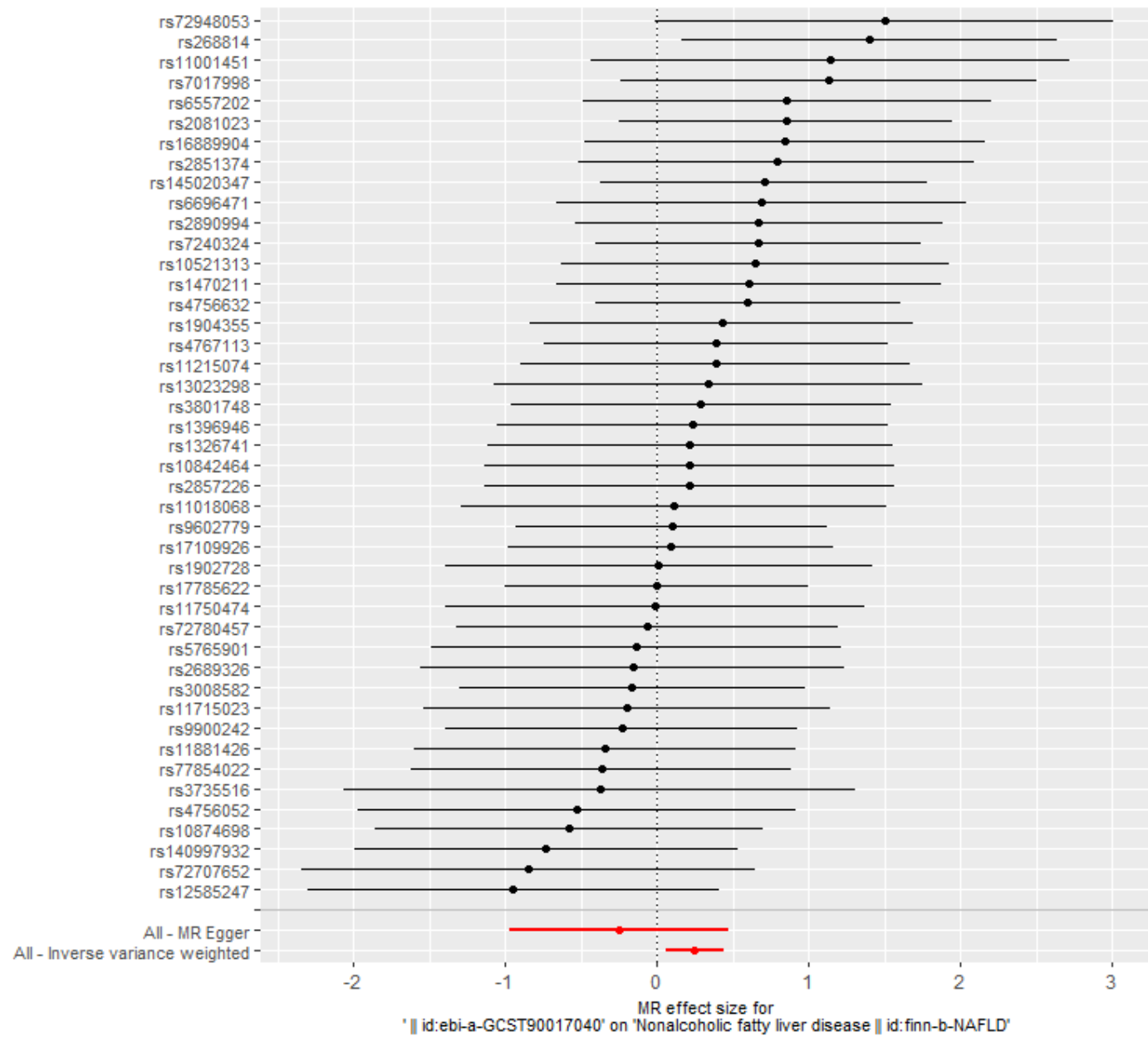
Figure 158 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Paraprevotella* id.962) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

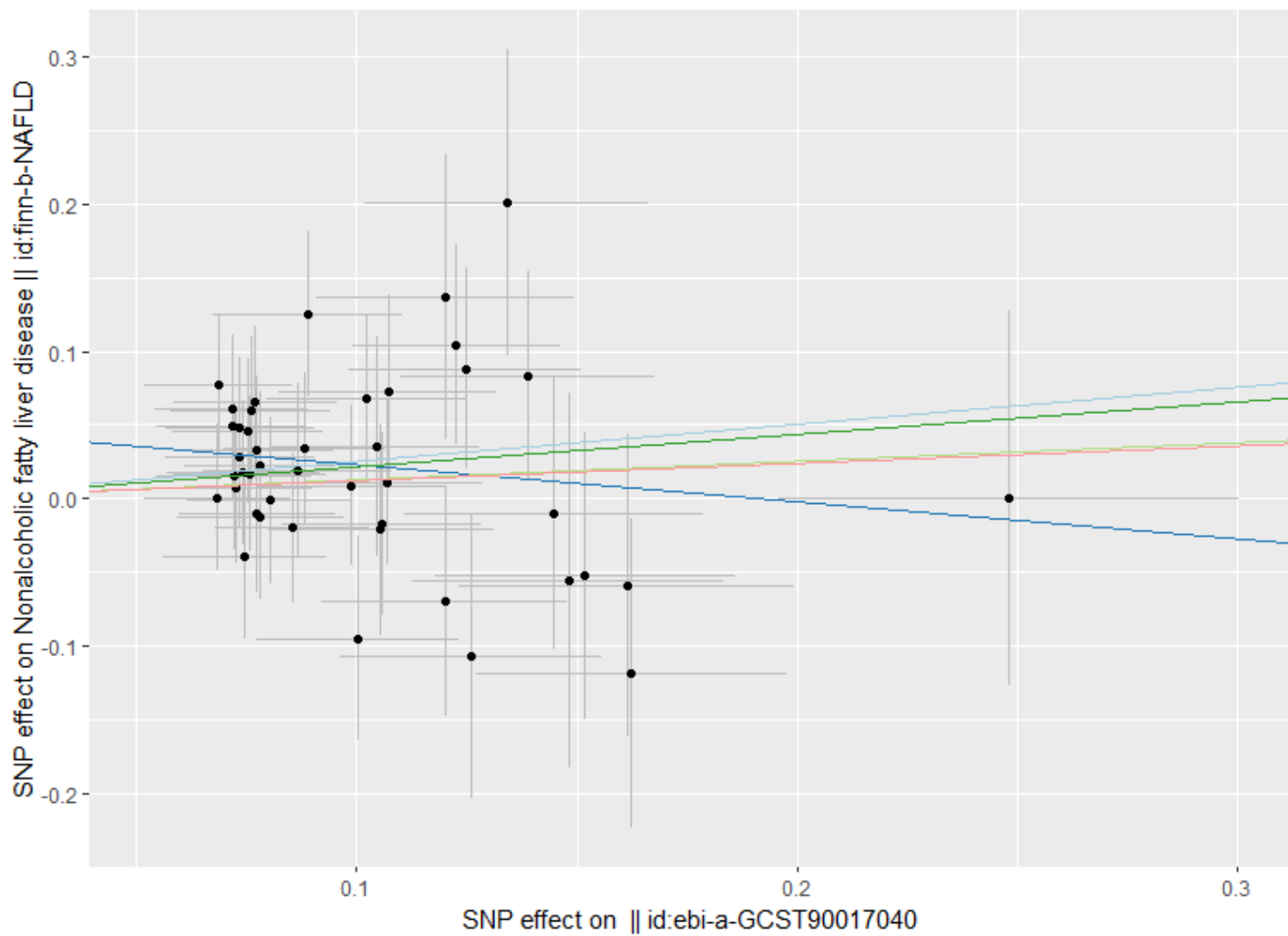
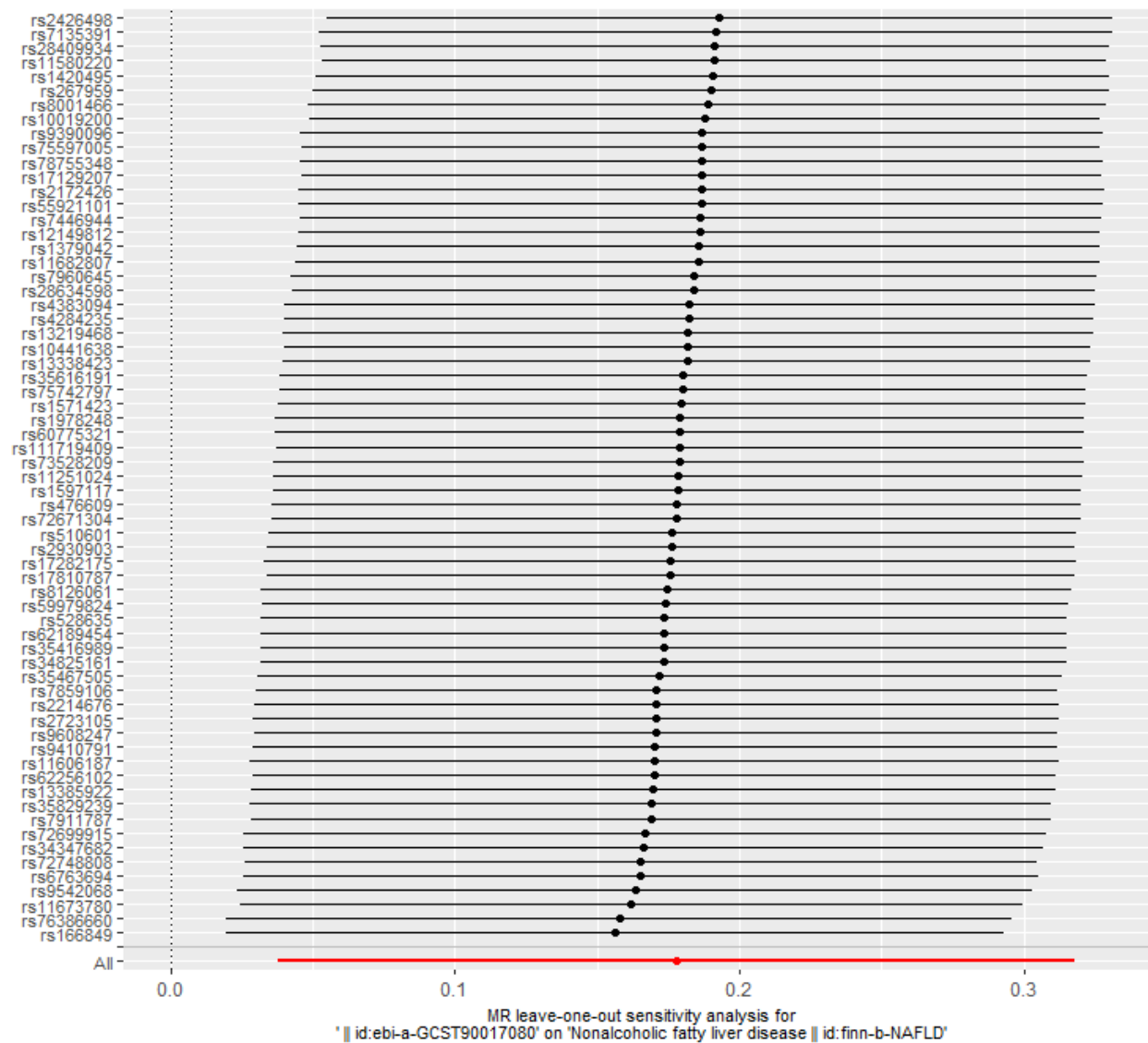
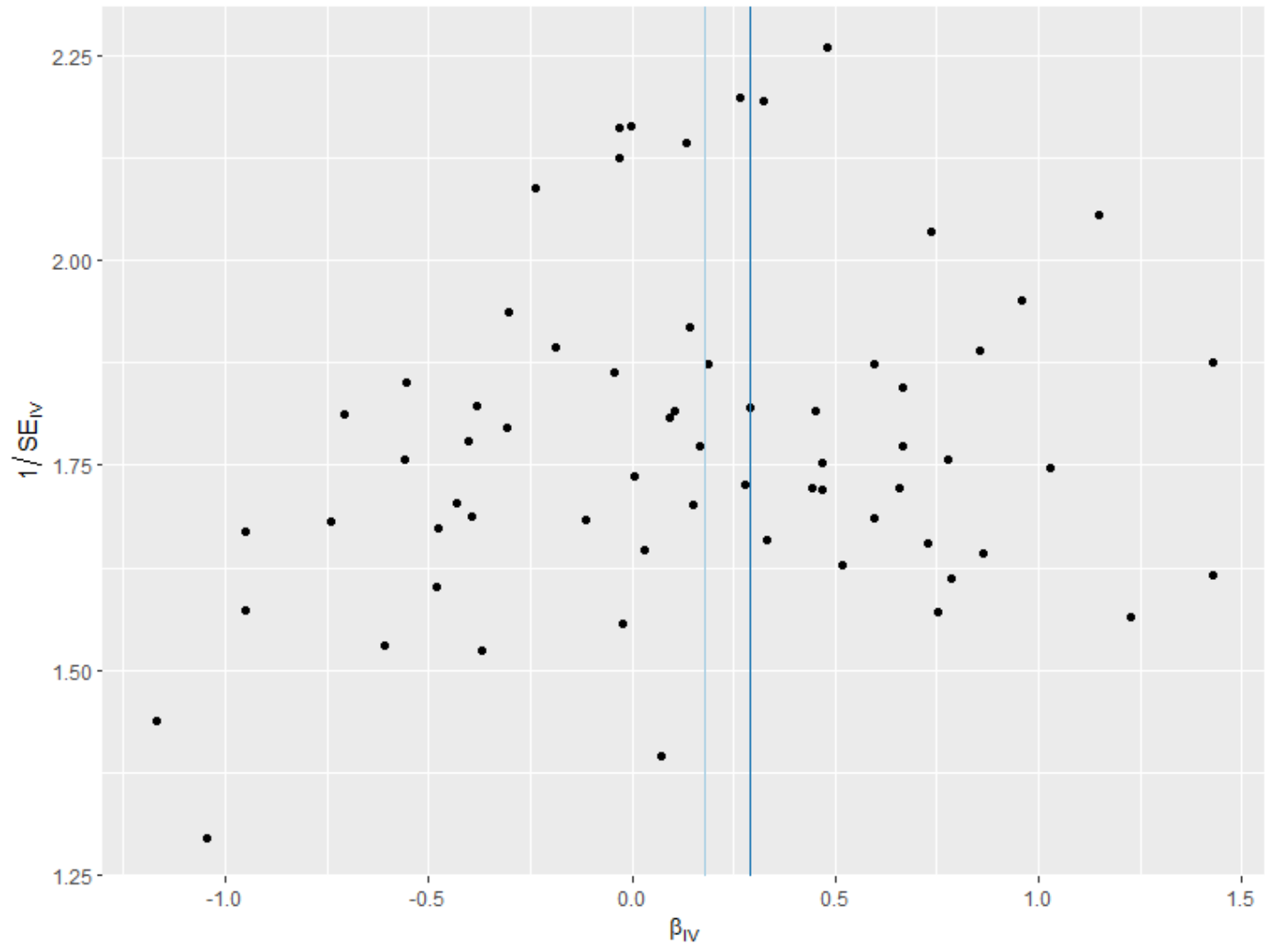


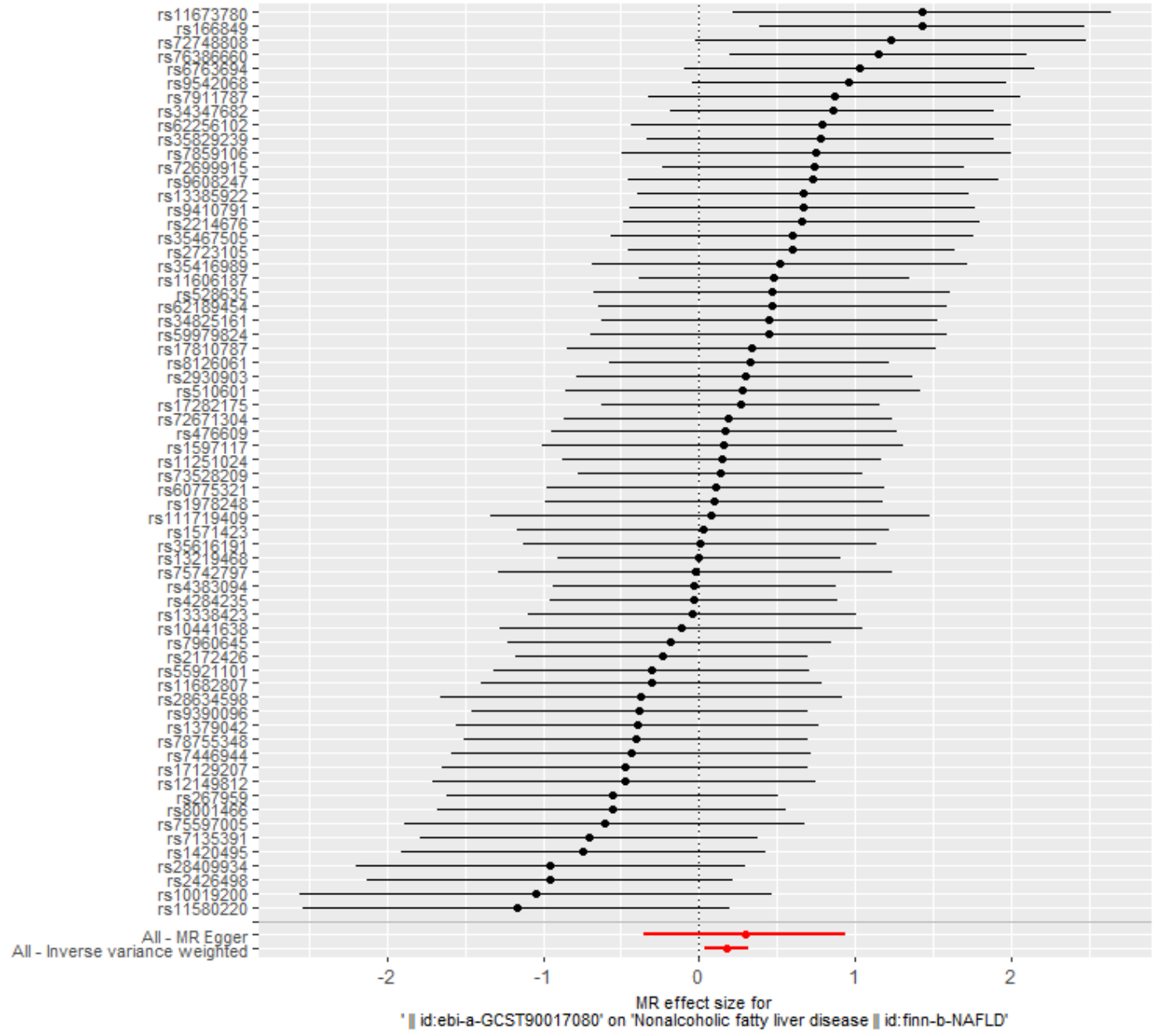
Figure 159 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.1000006162) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

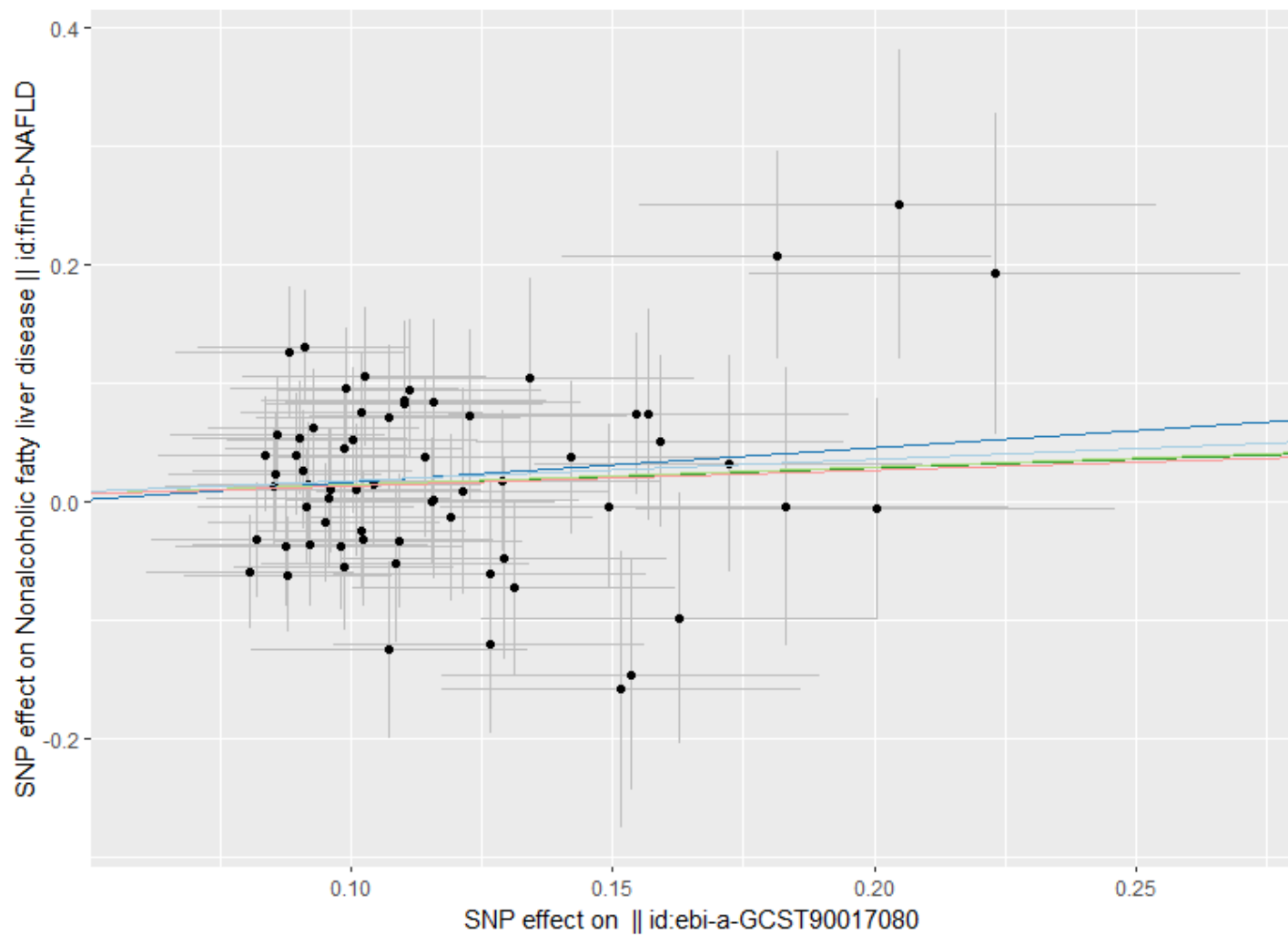
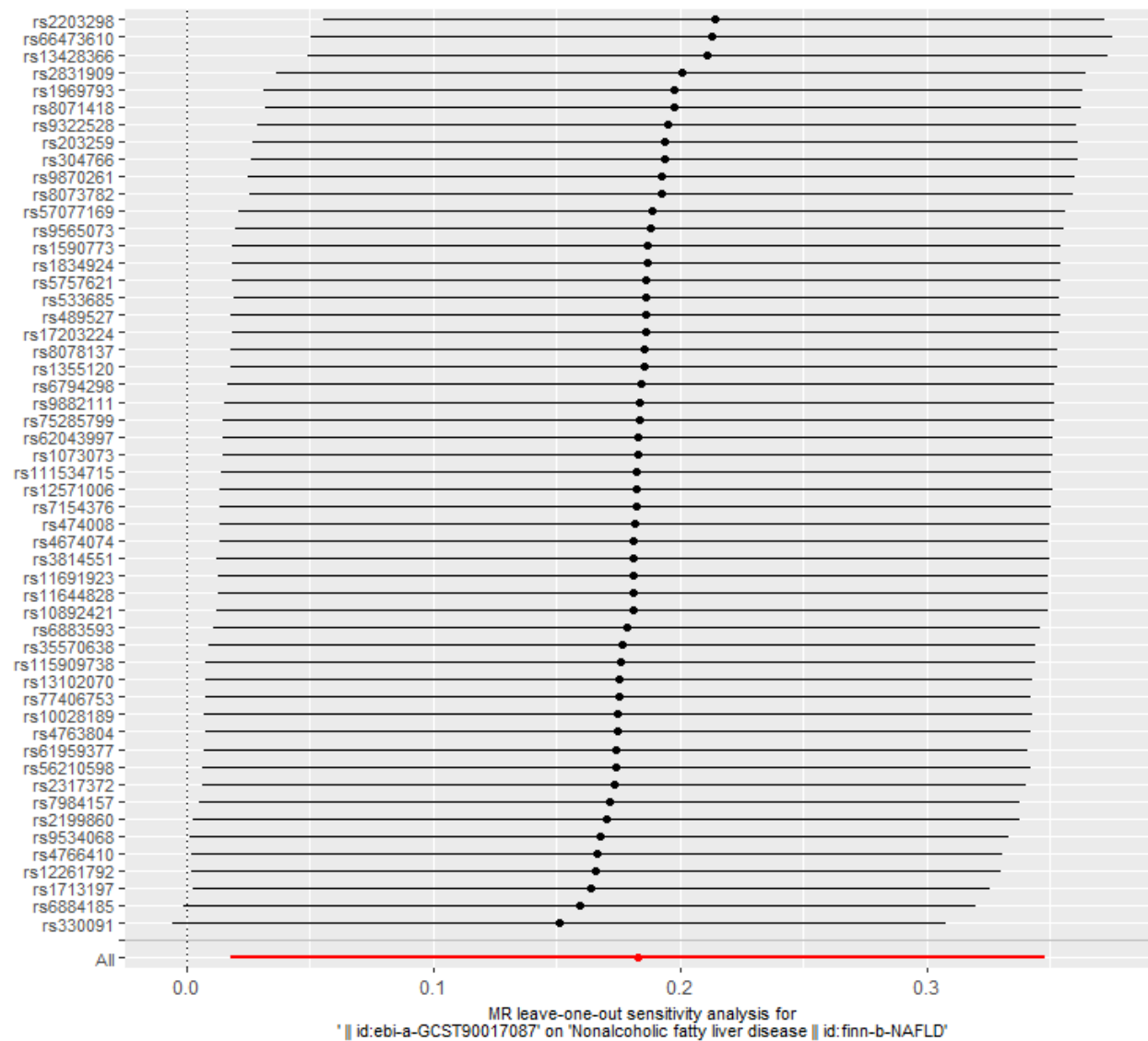
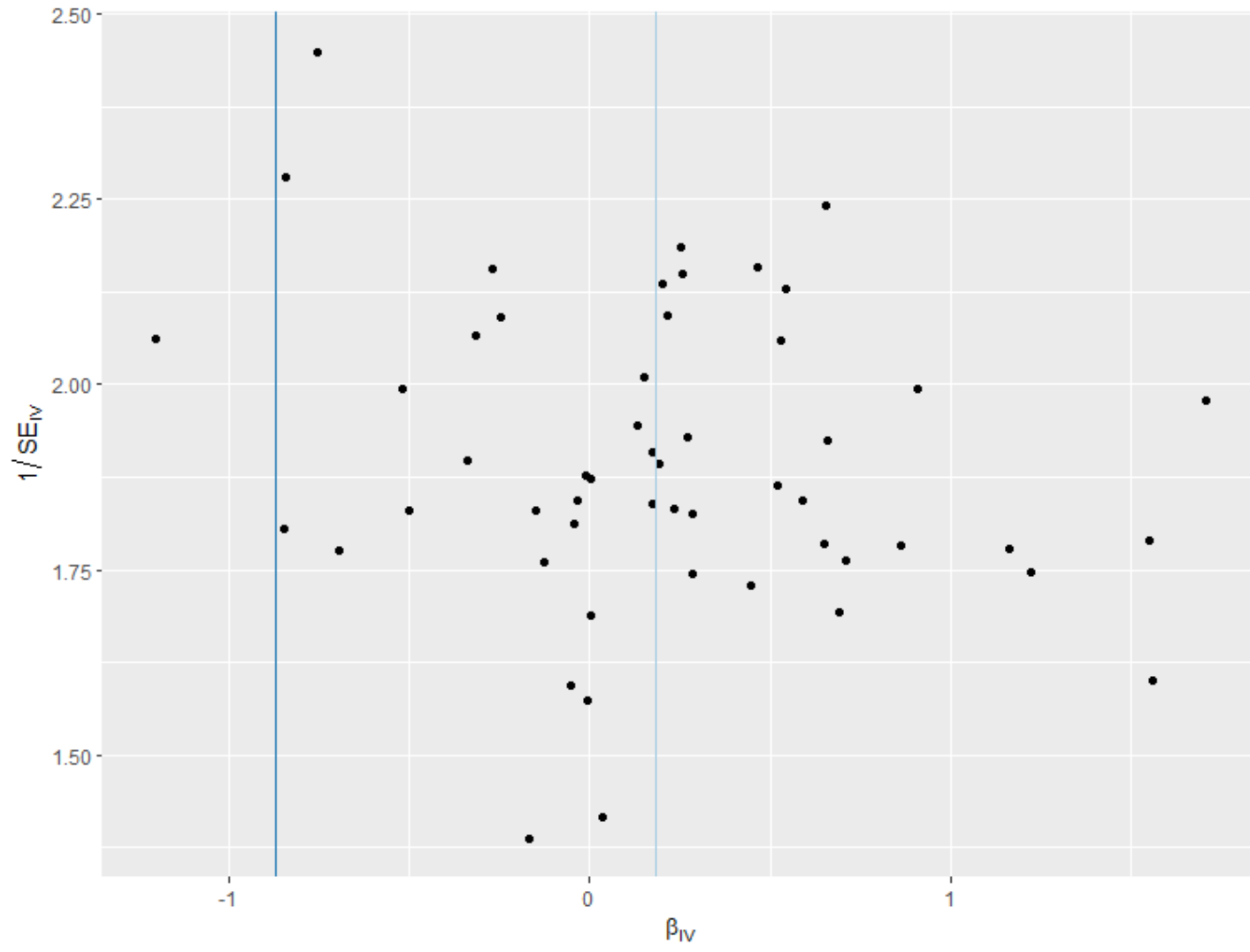


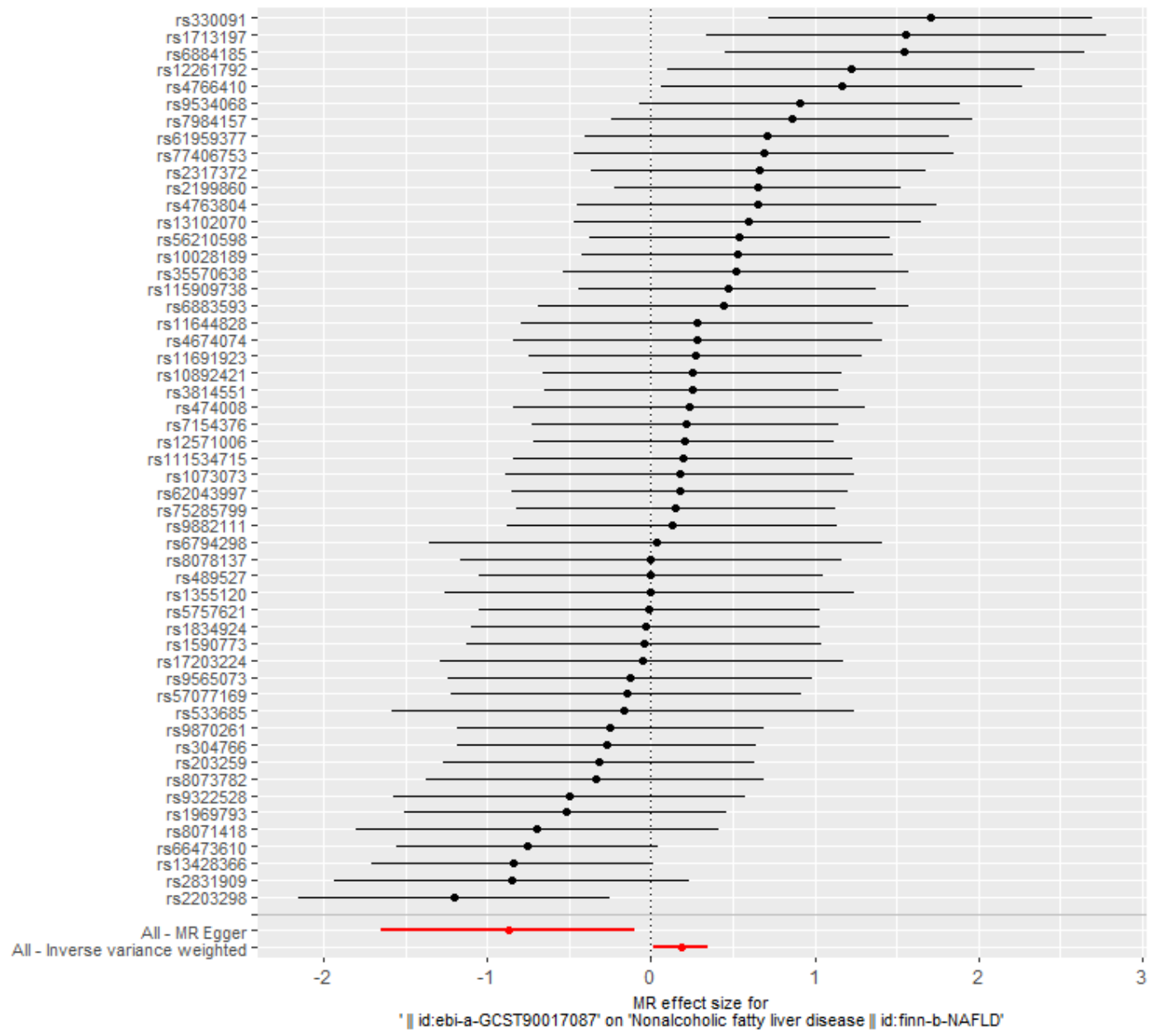
Figure 160 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.959) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

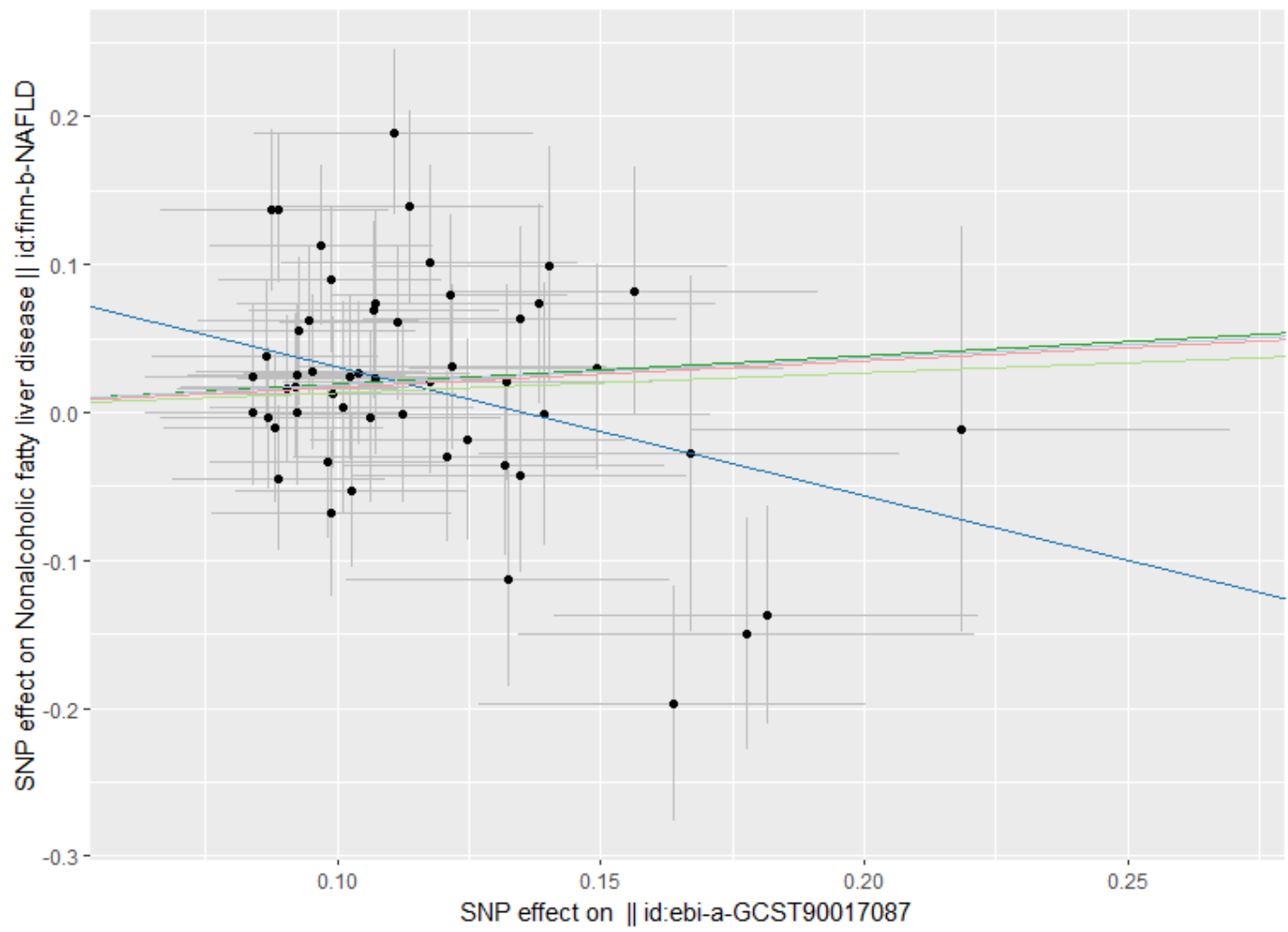
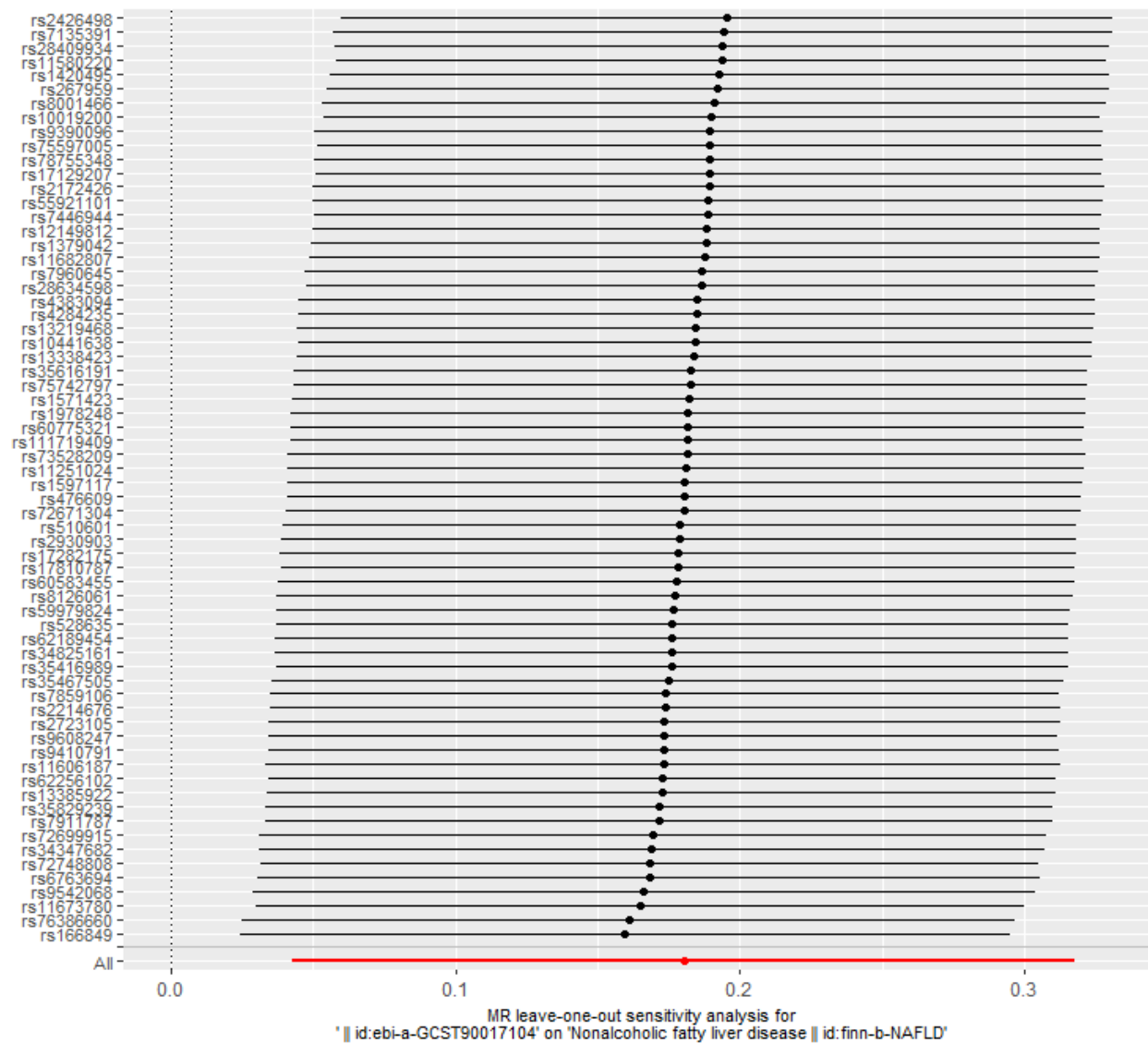
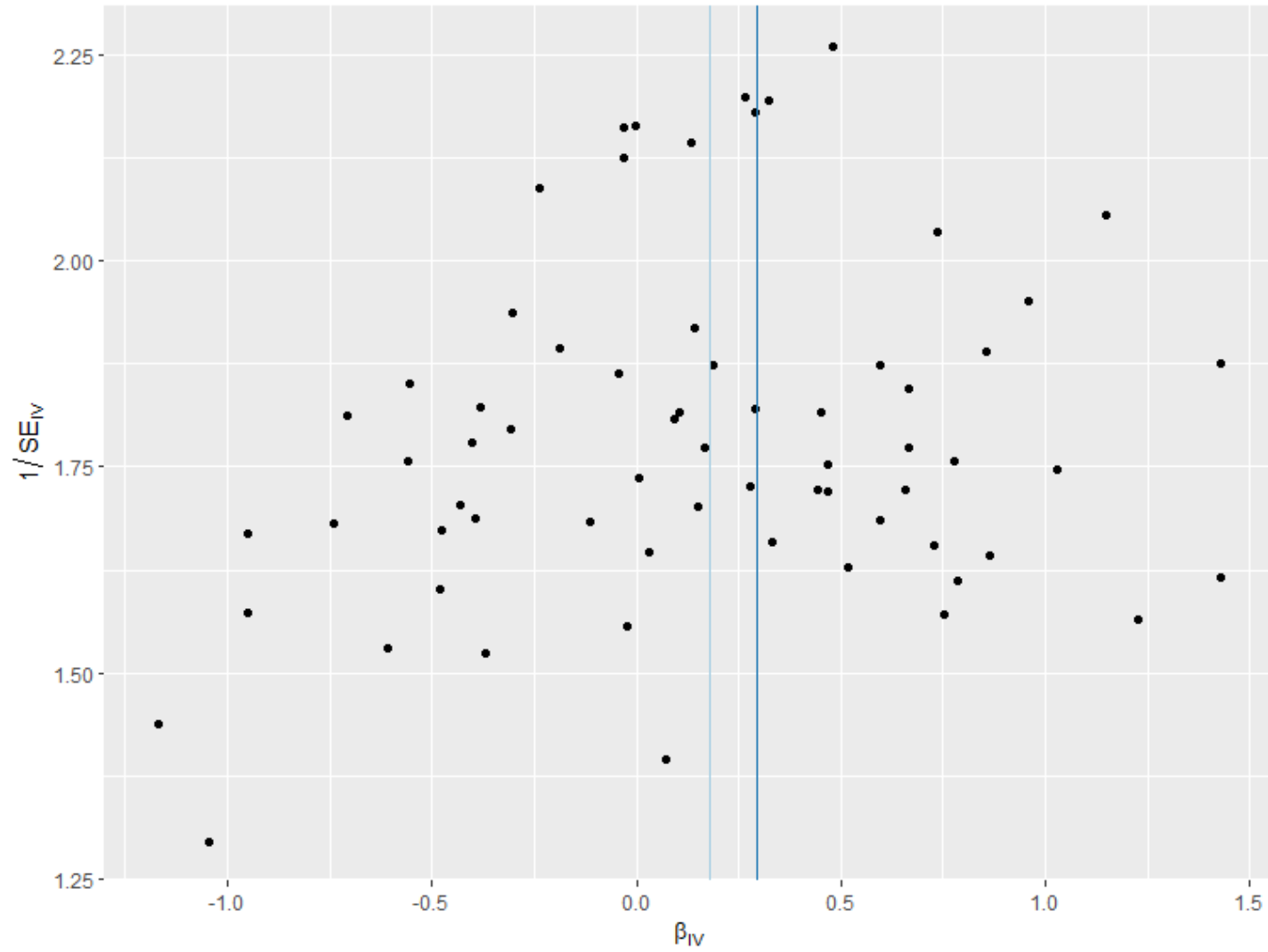


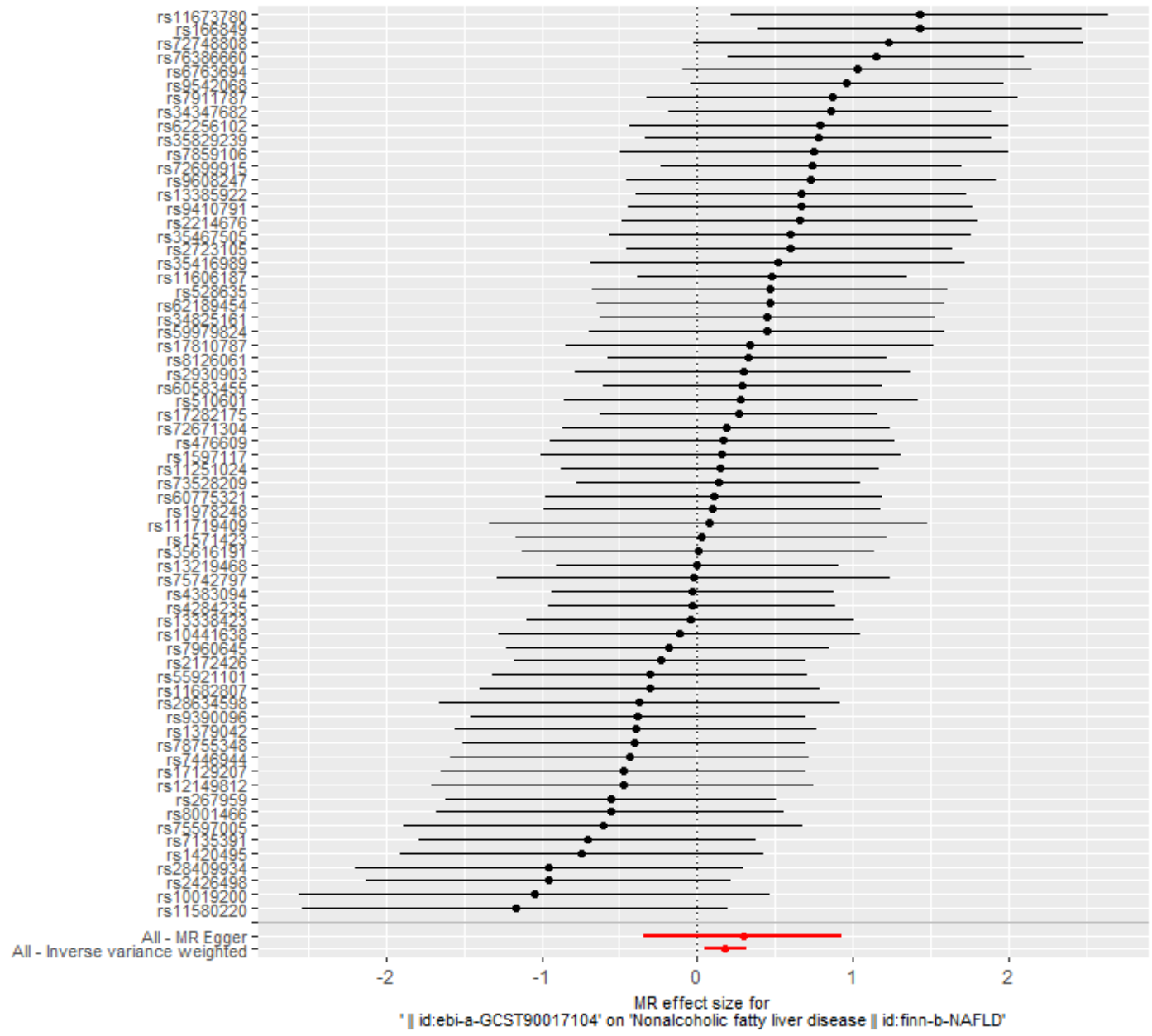
Figure 161 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order NB1n id.3953) on nonalcoholic fatty liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

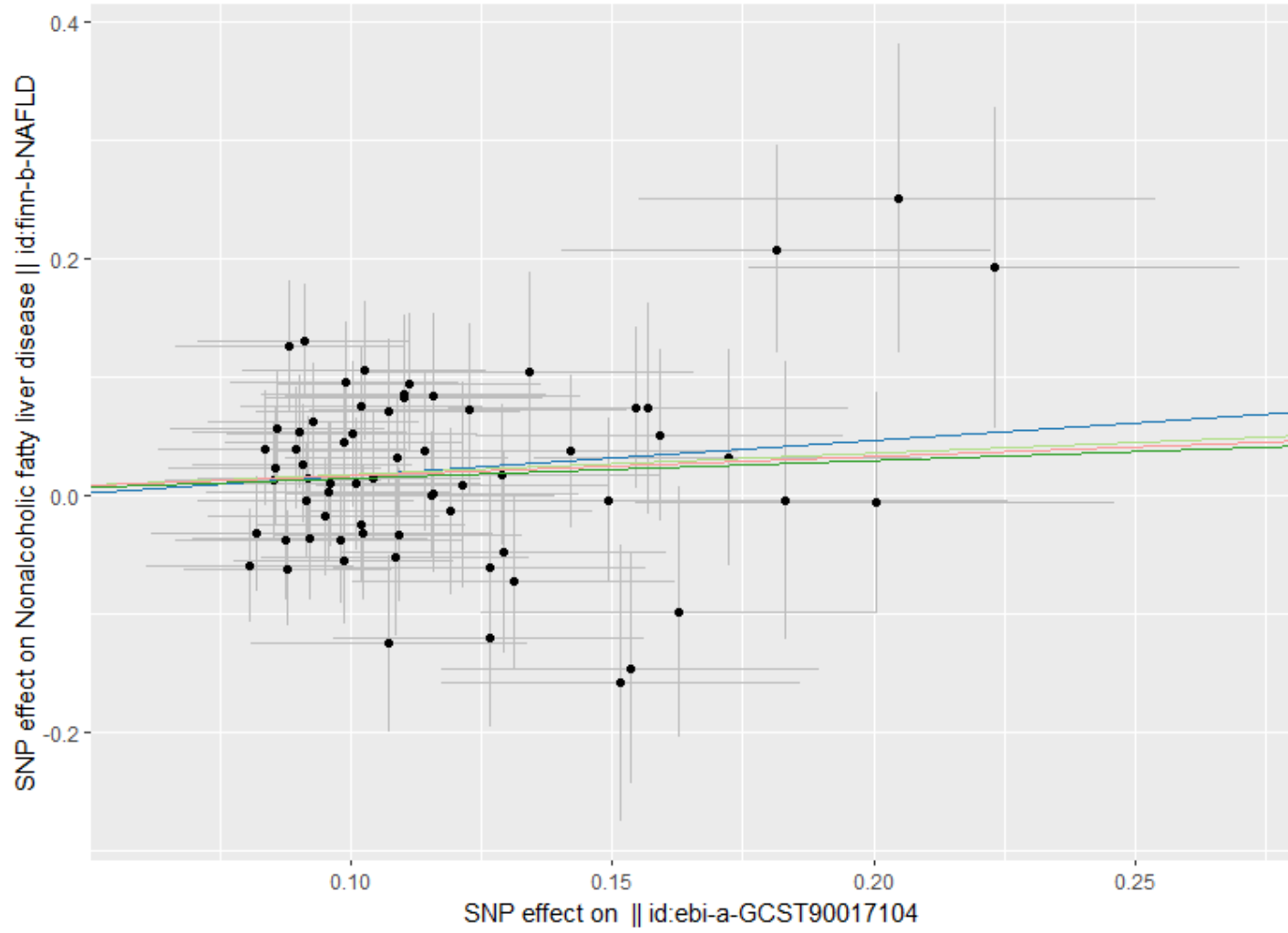
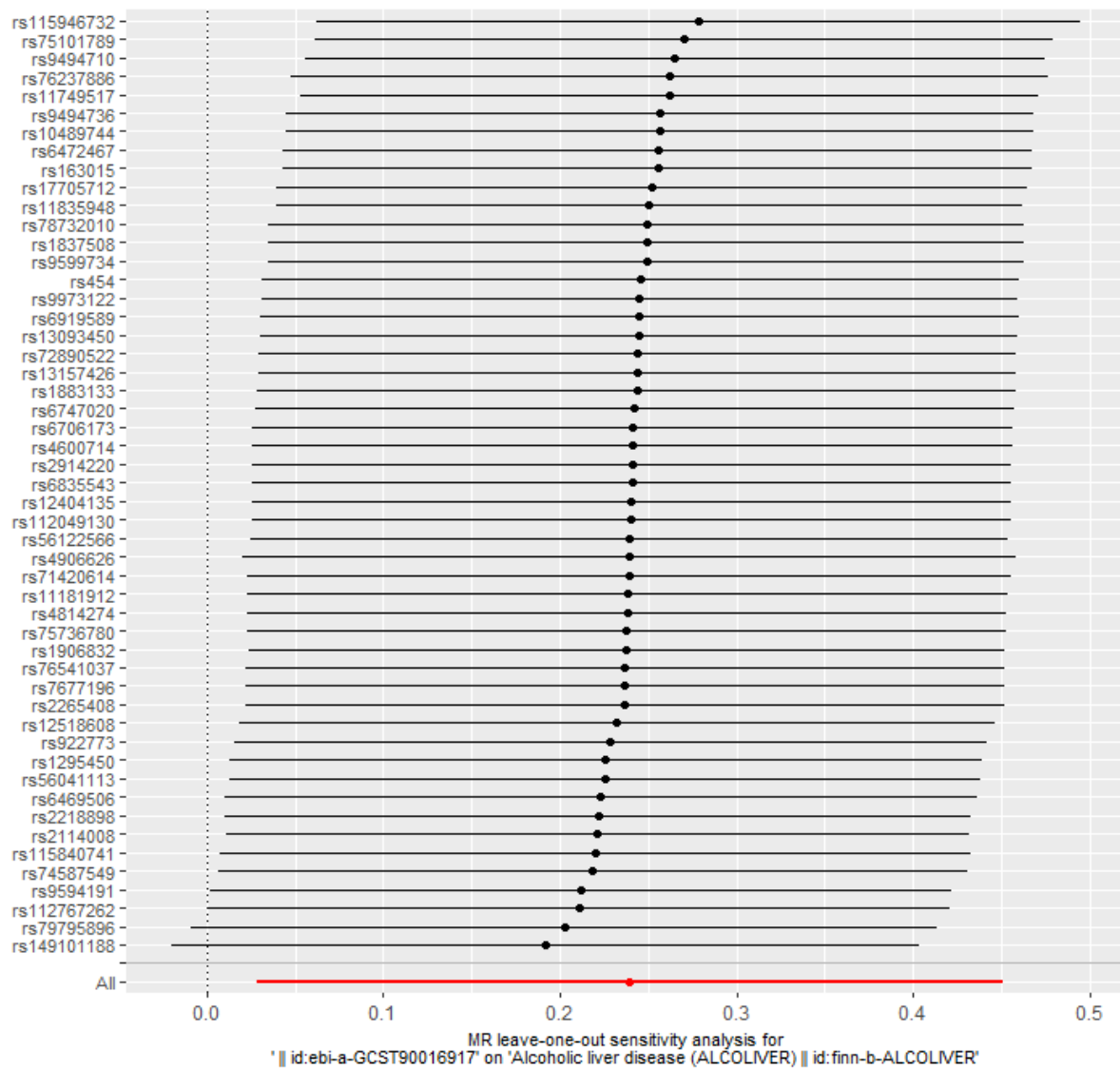
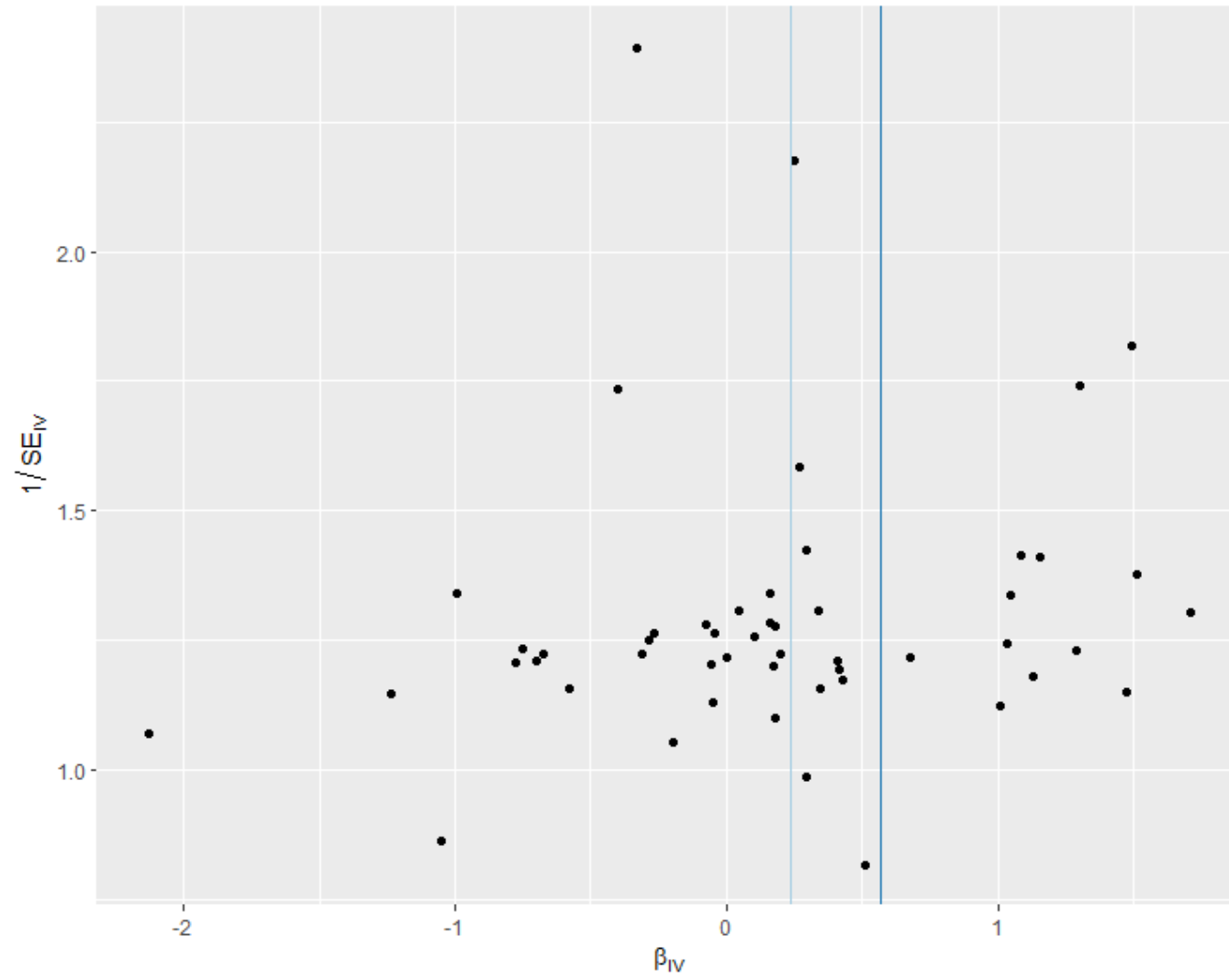


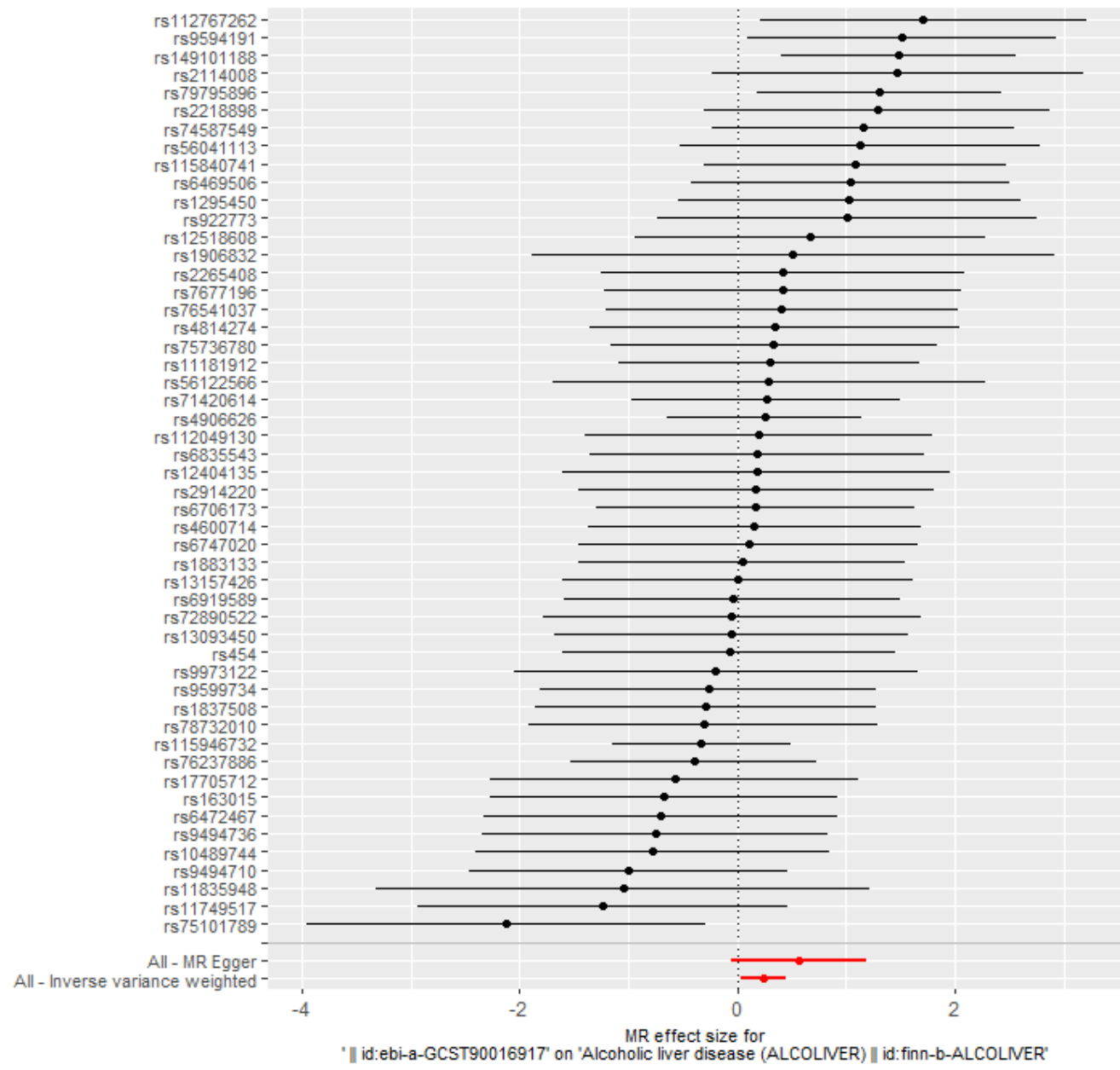
Figure 162 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Gammaproteobacteria id.3303) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

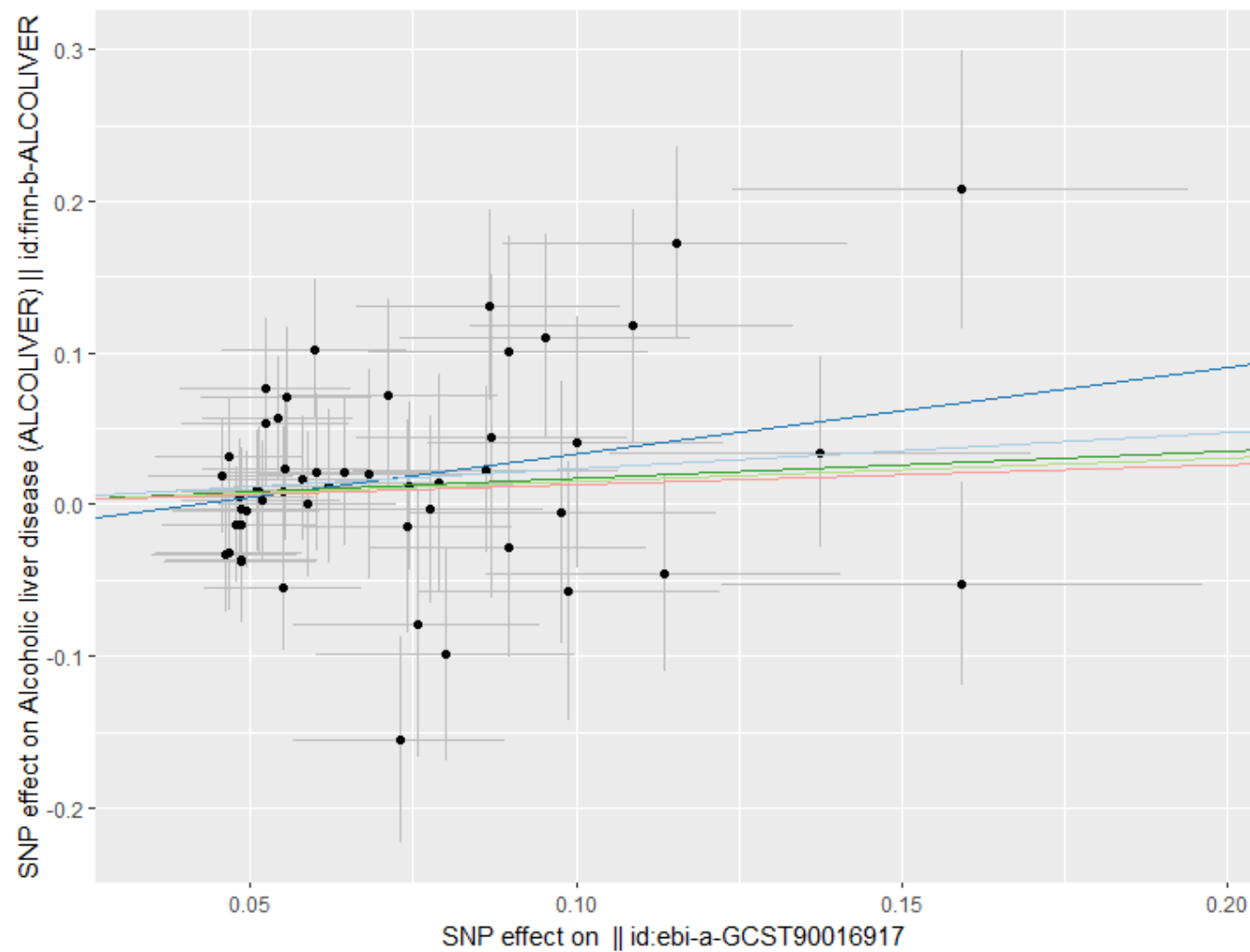
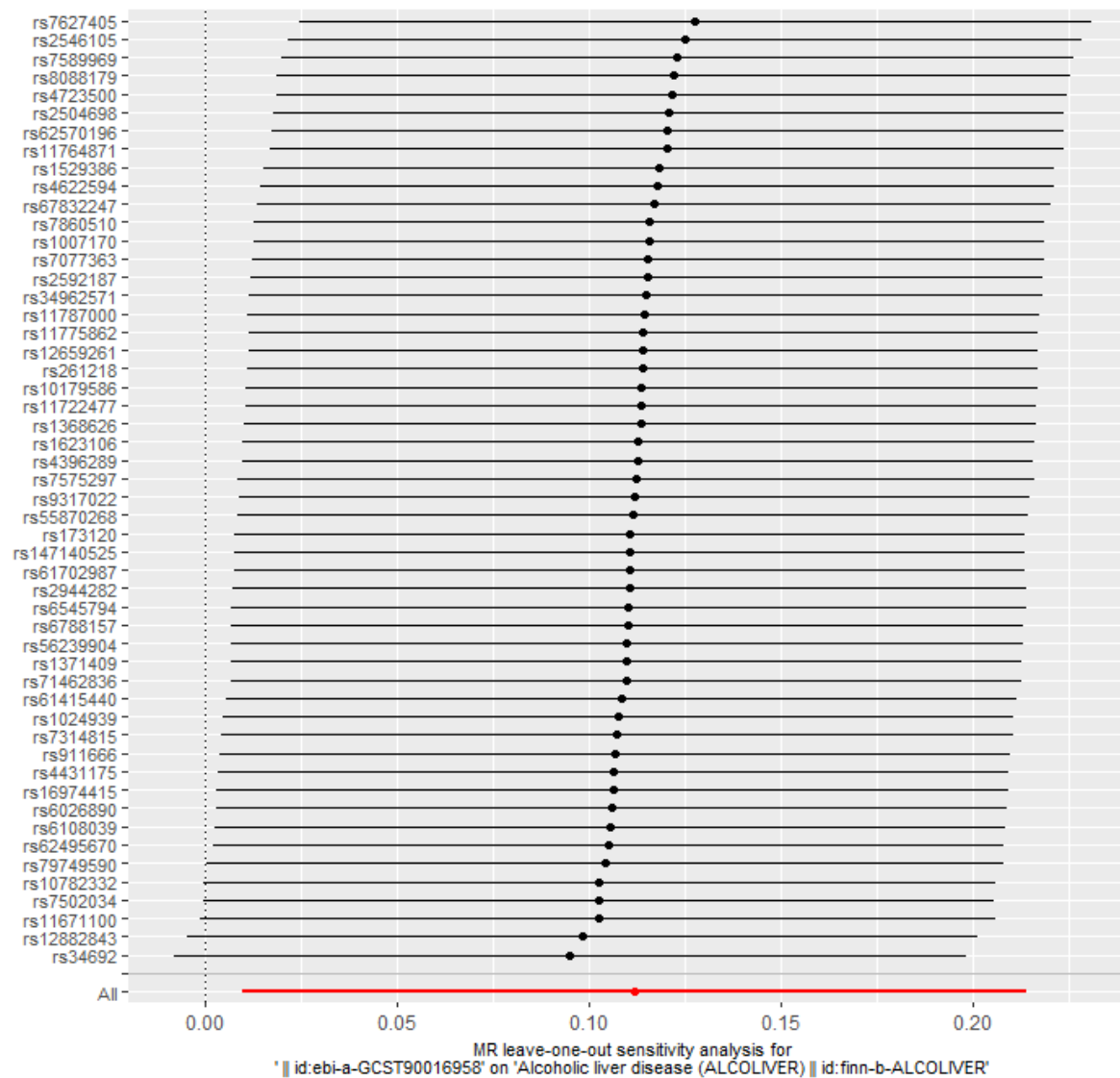
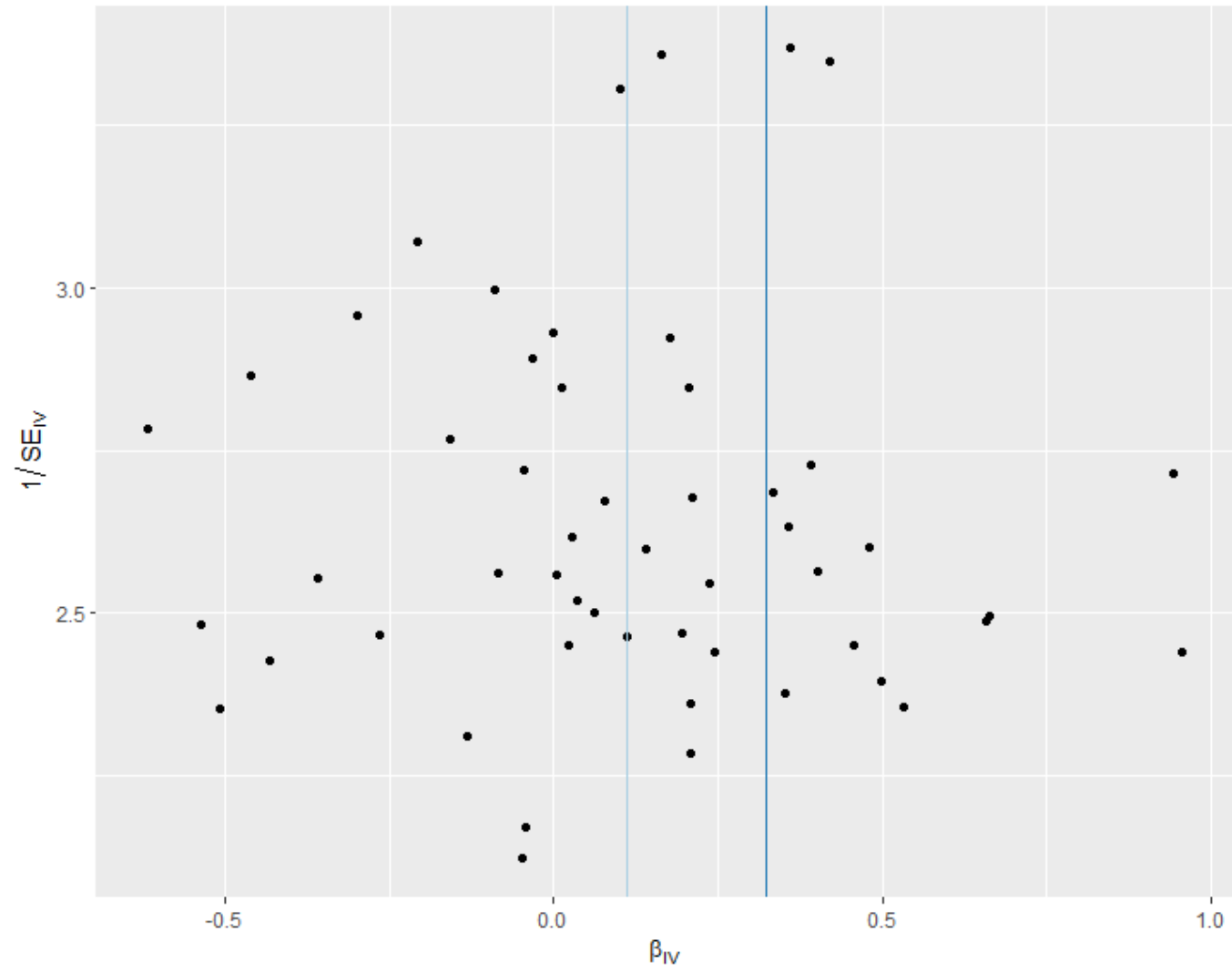


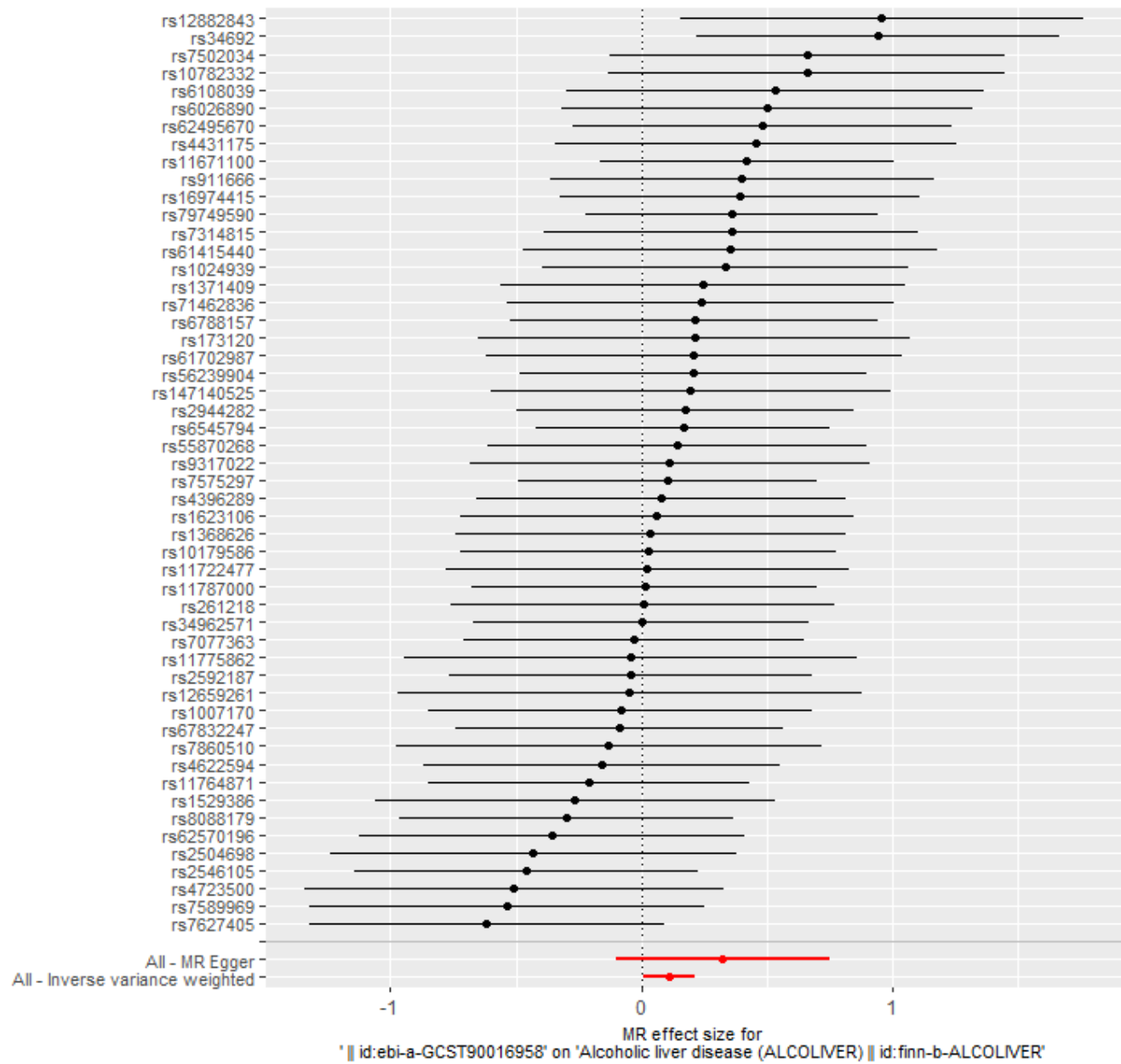
Figure 163 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Victivallaceae id.2255) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

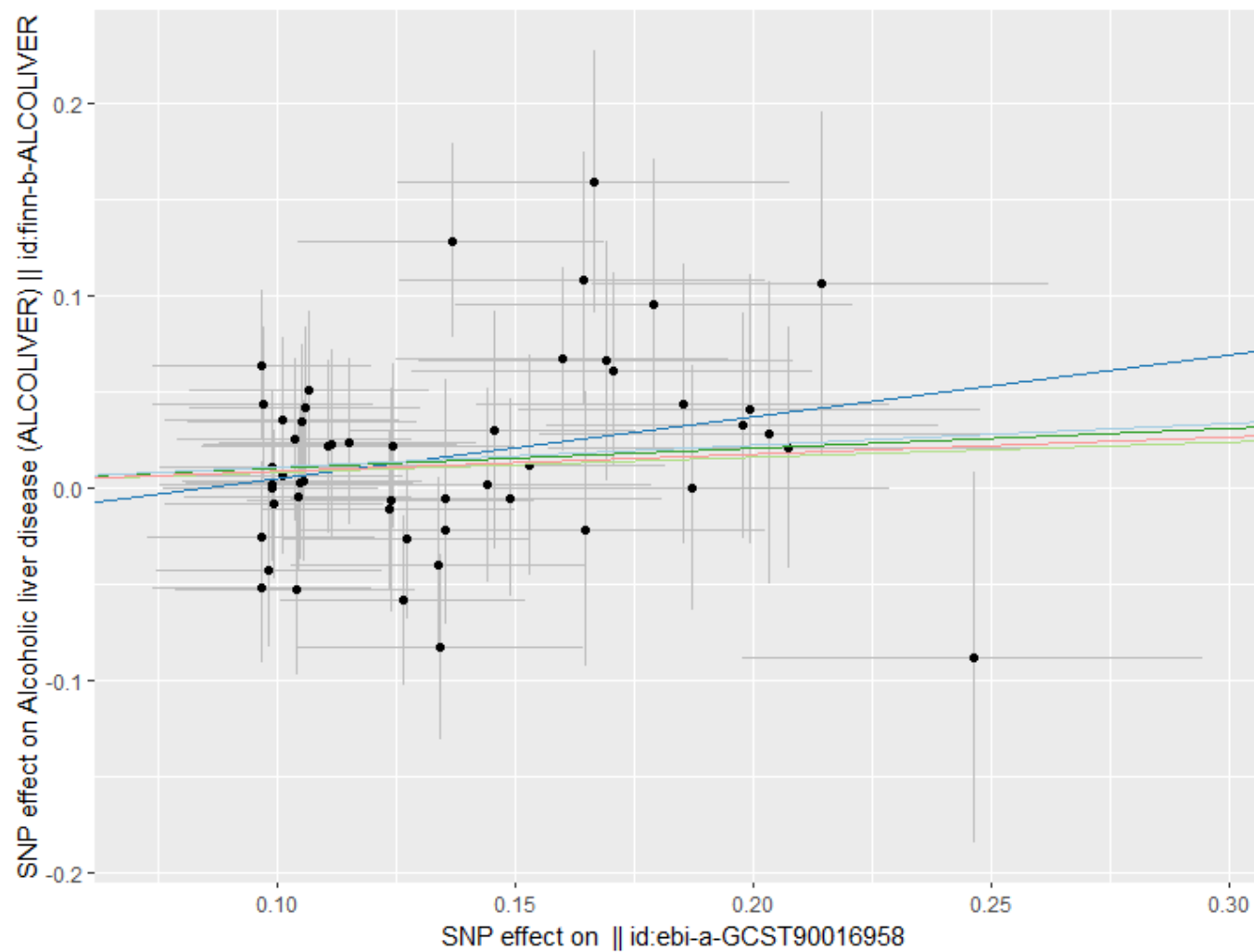
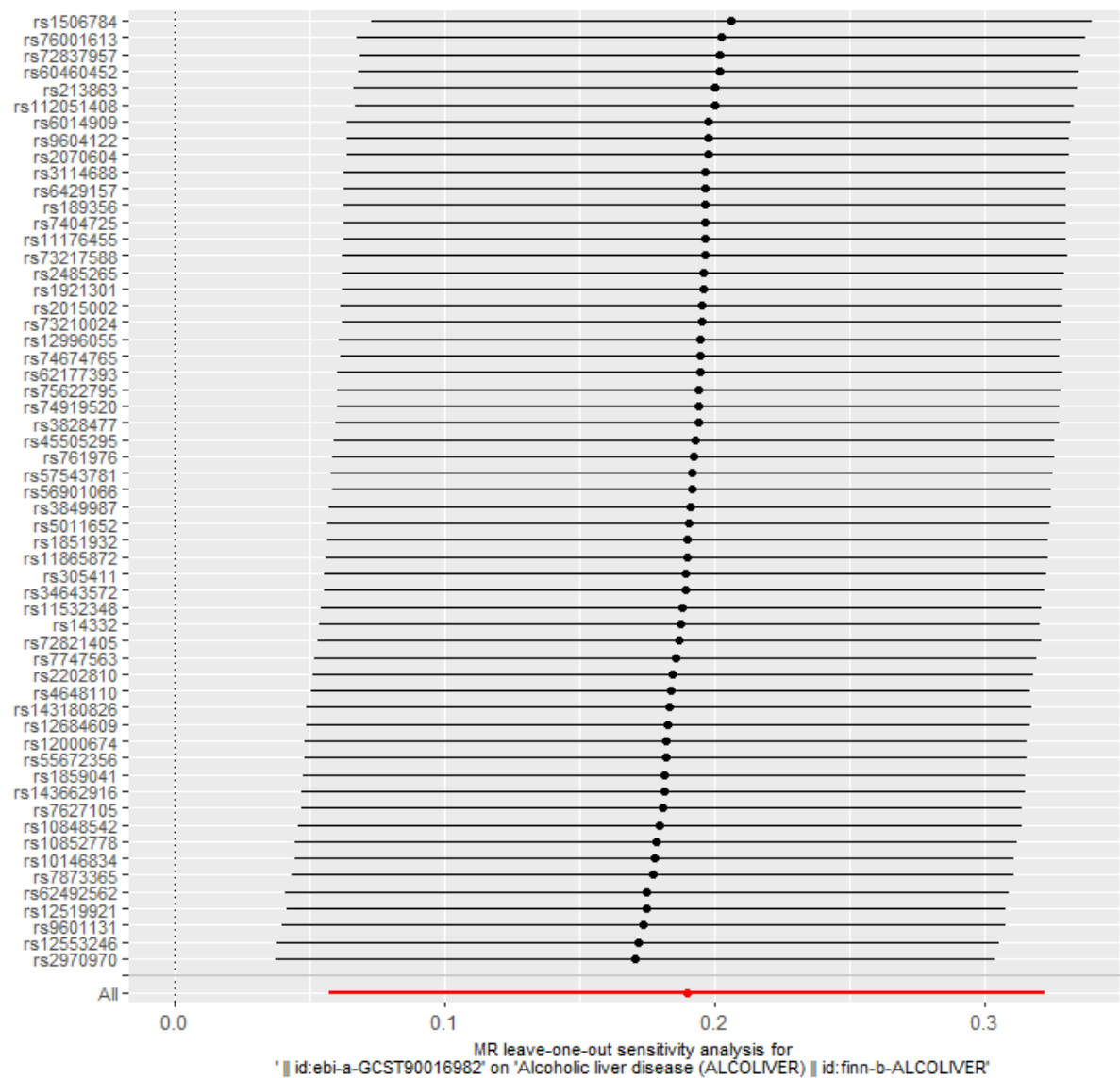
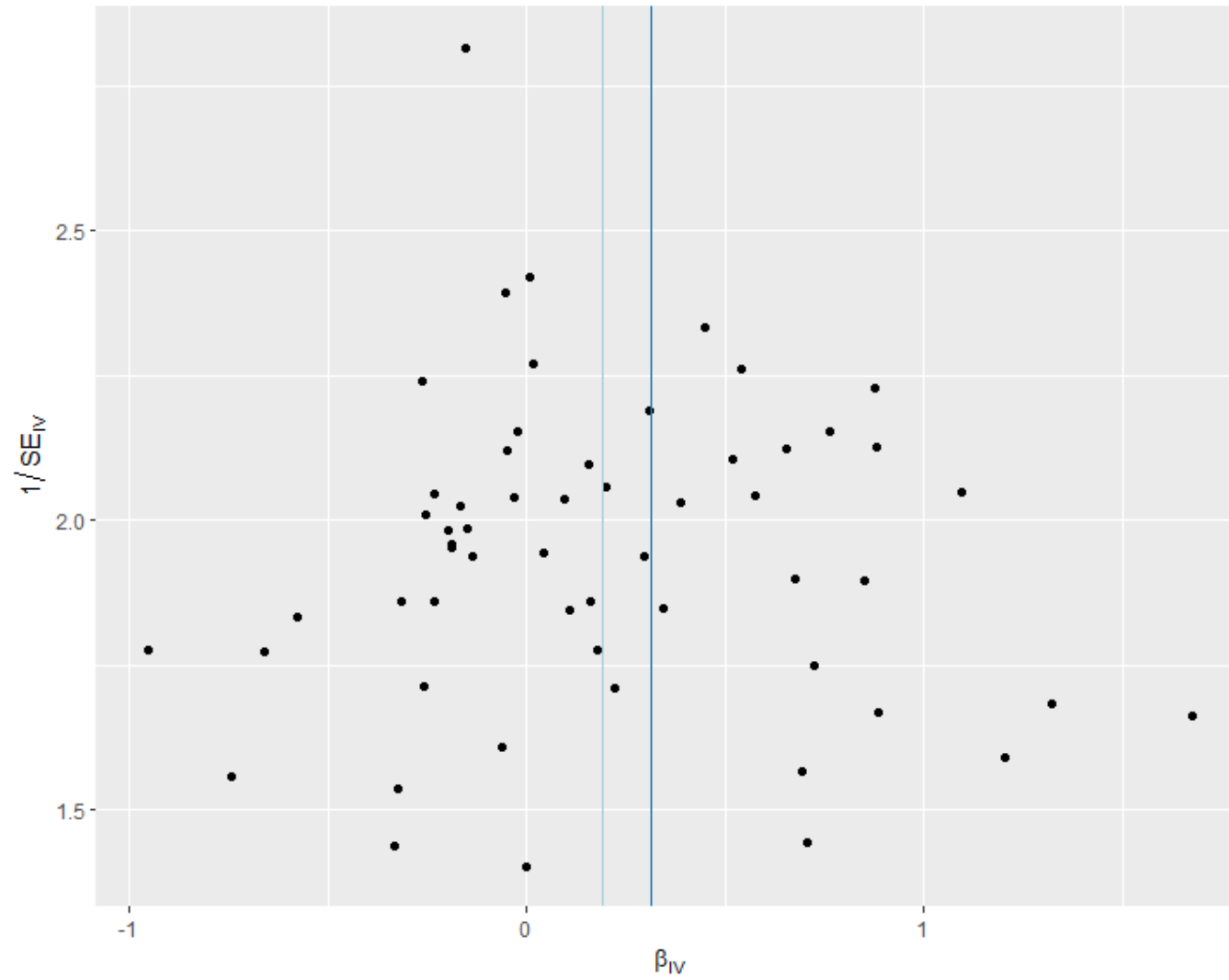


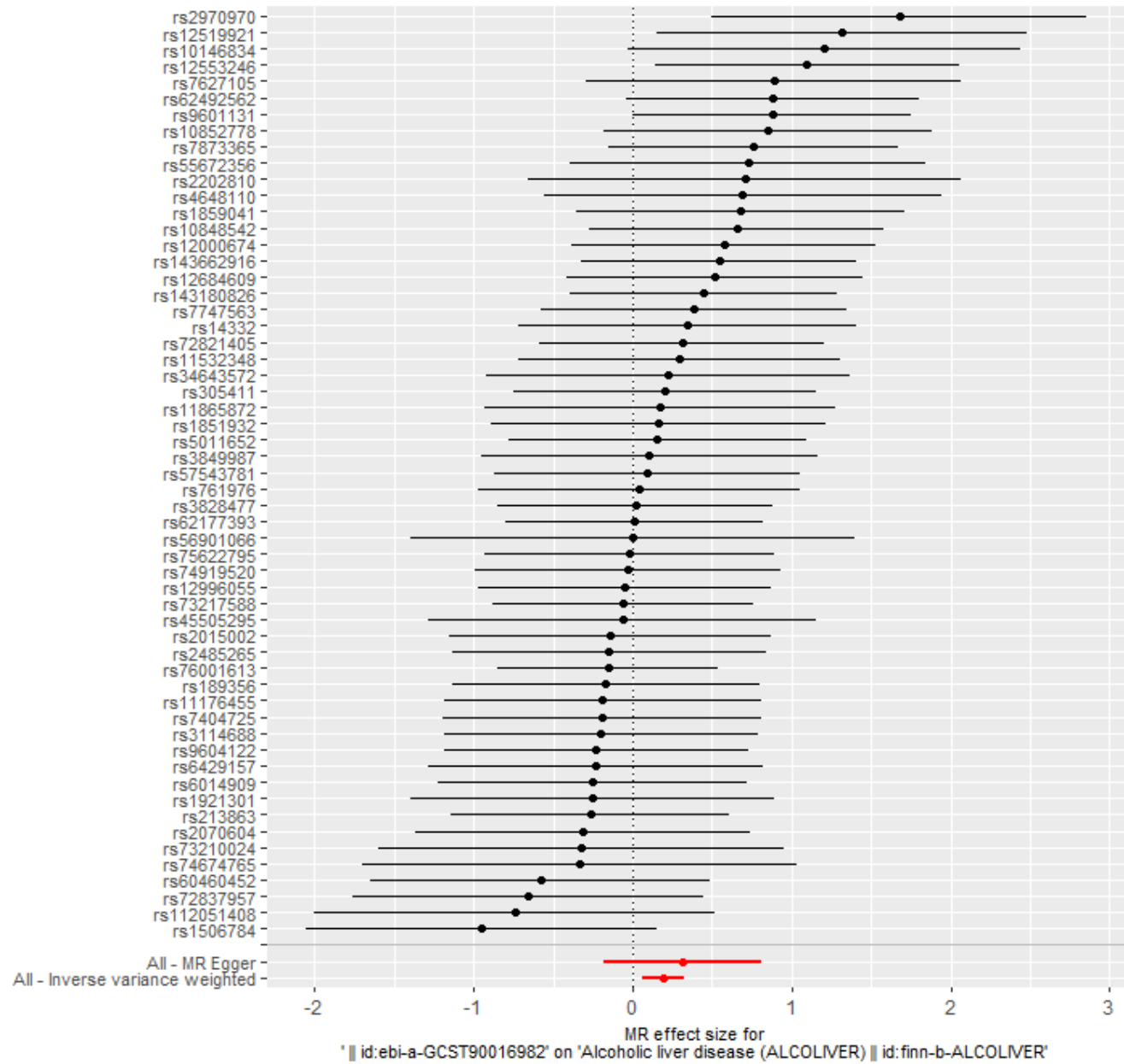
Figure 164 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Coprobacter id.949) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

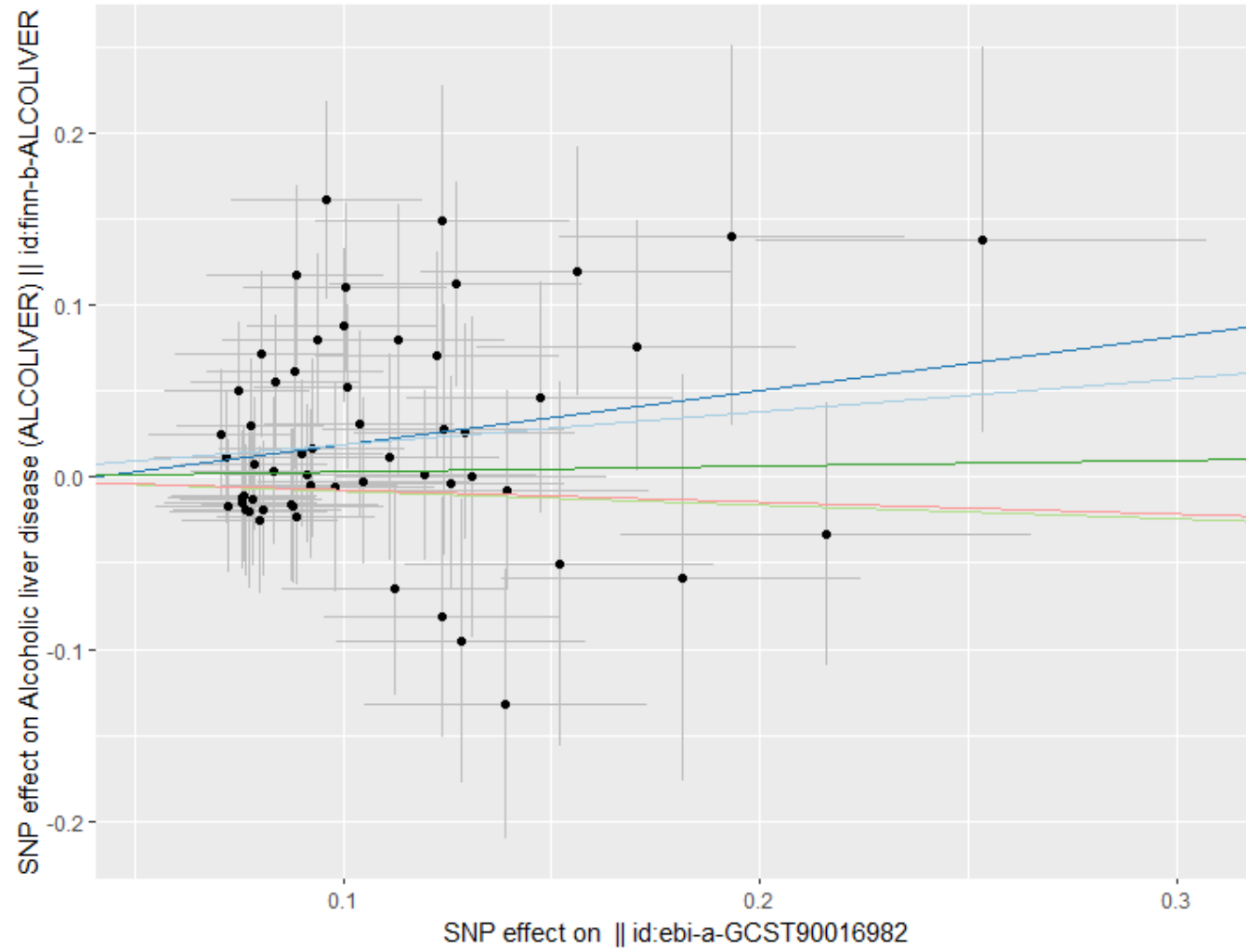
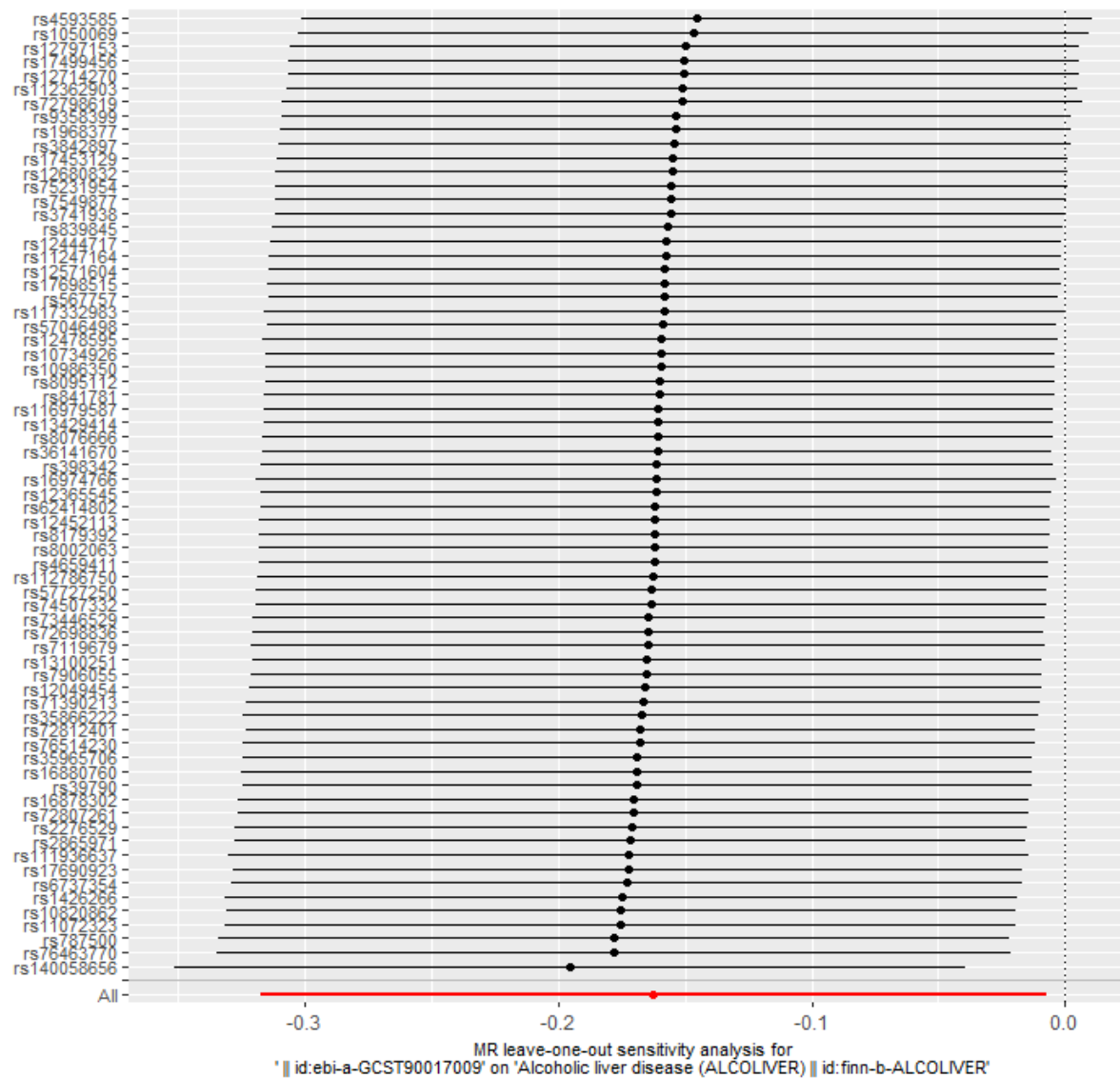
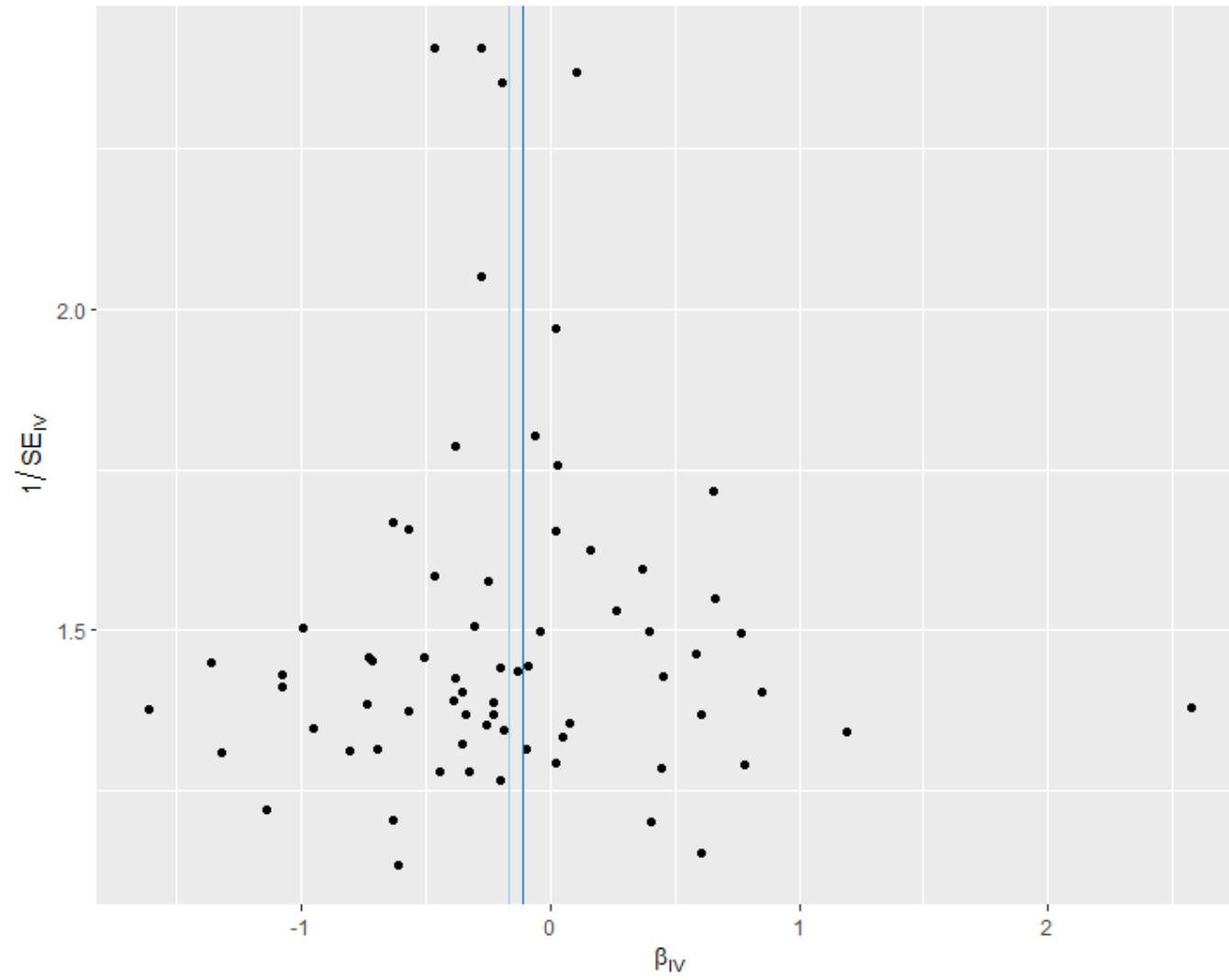


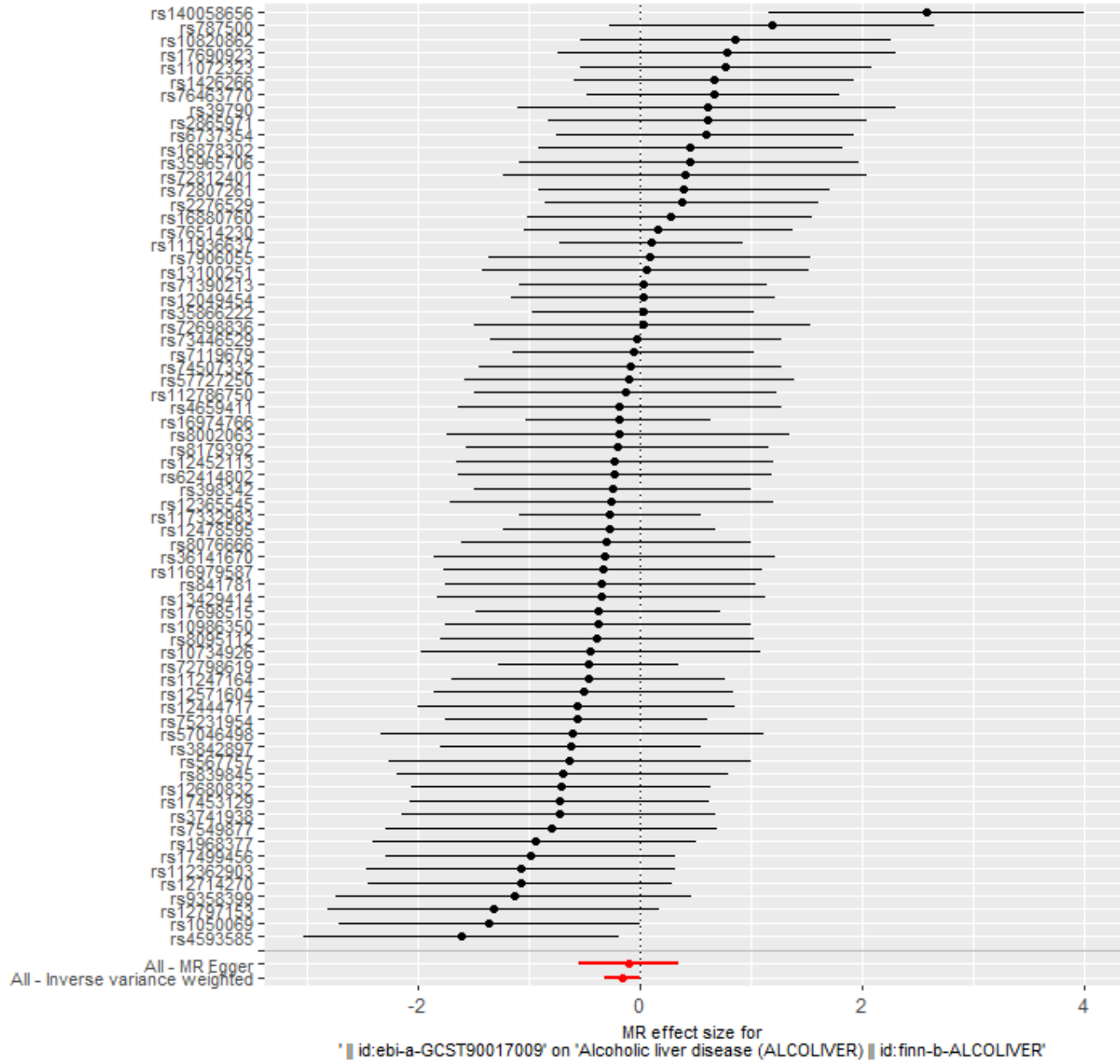
Figure 165 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Family XIII UCG001 id.11294) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

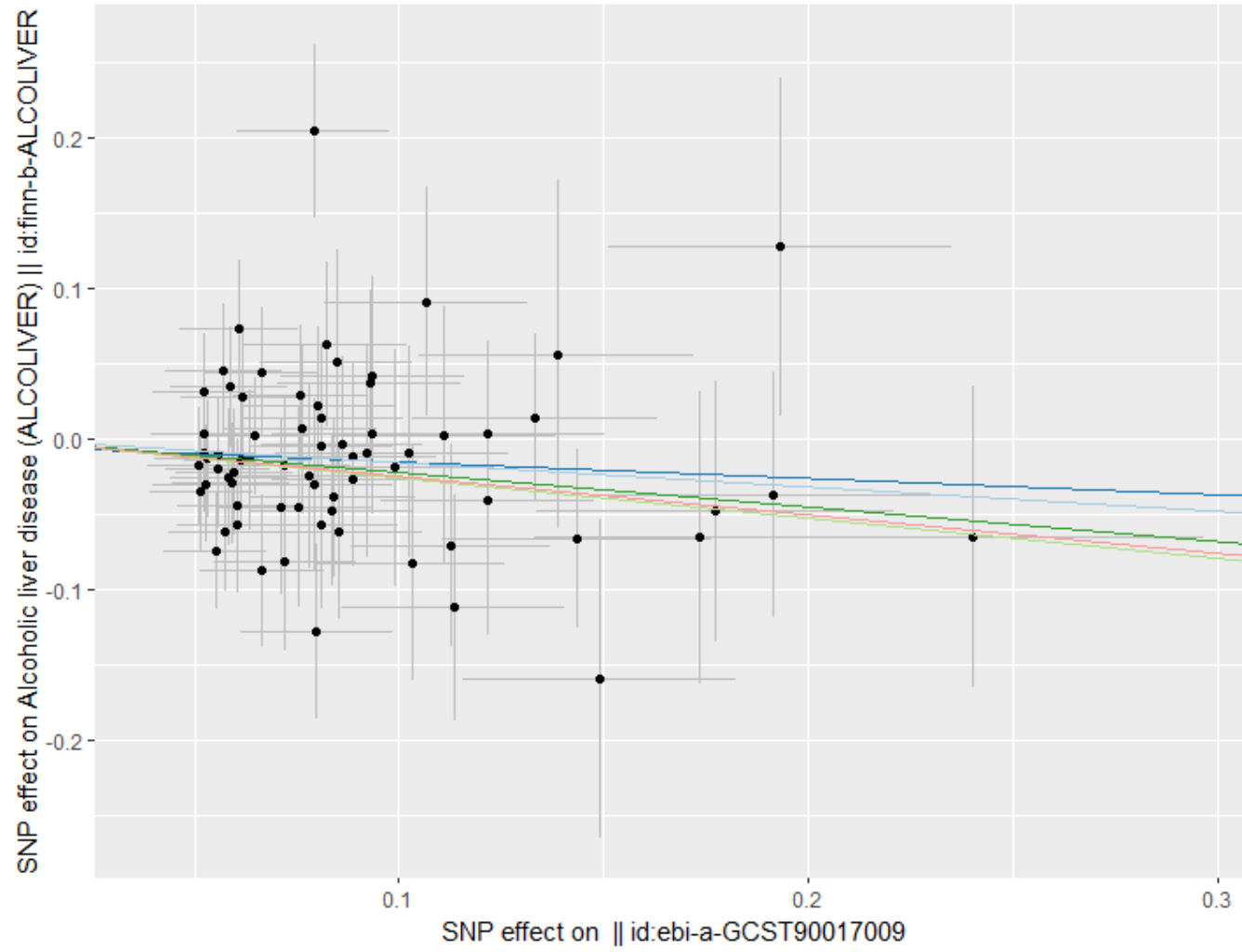
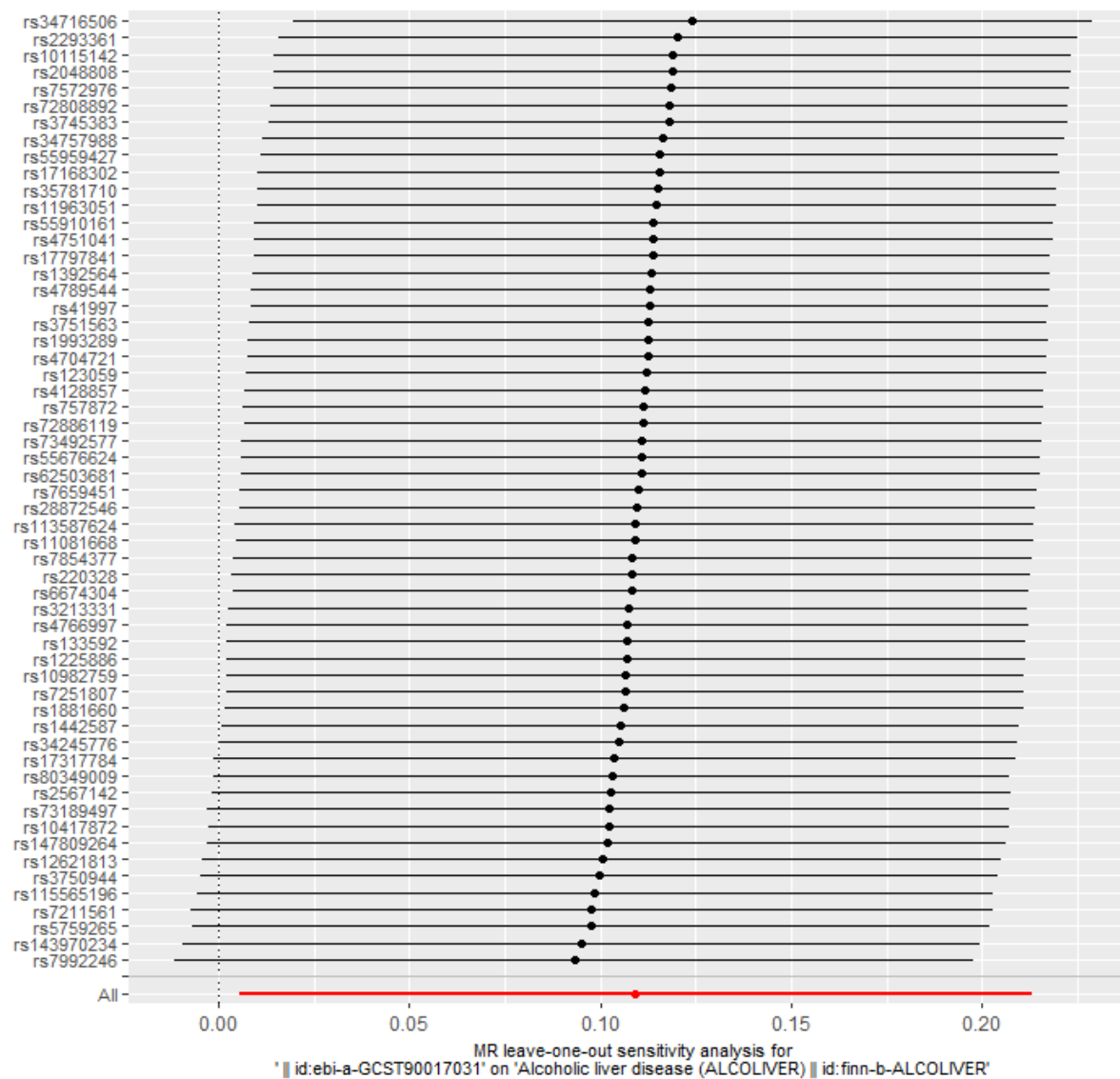
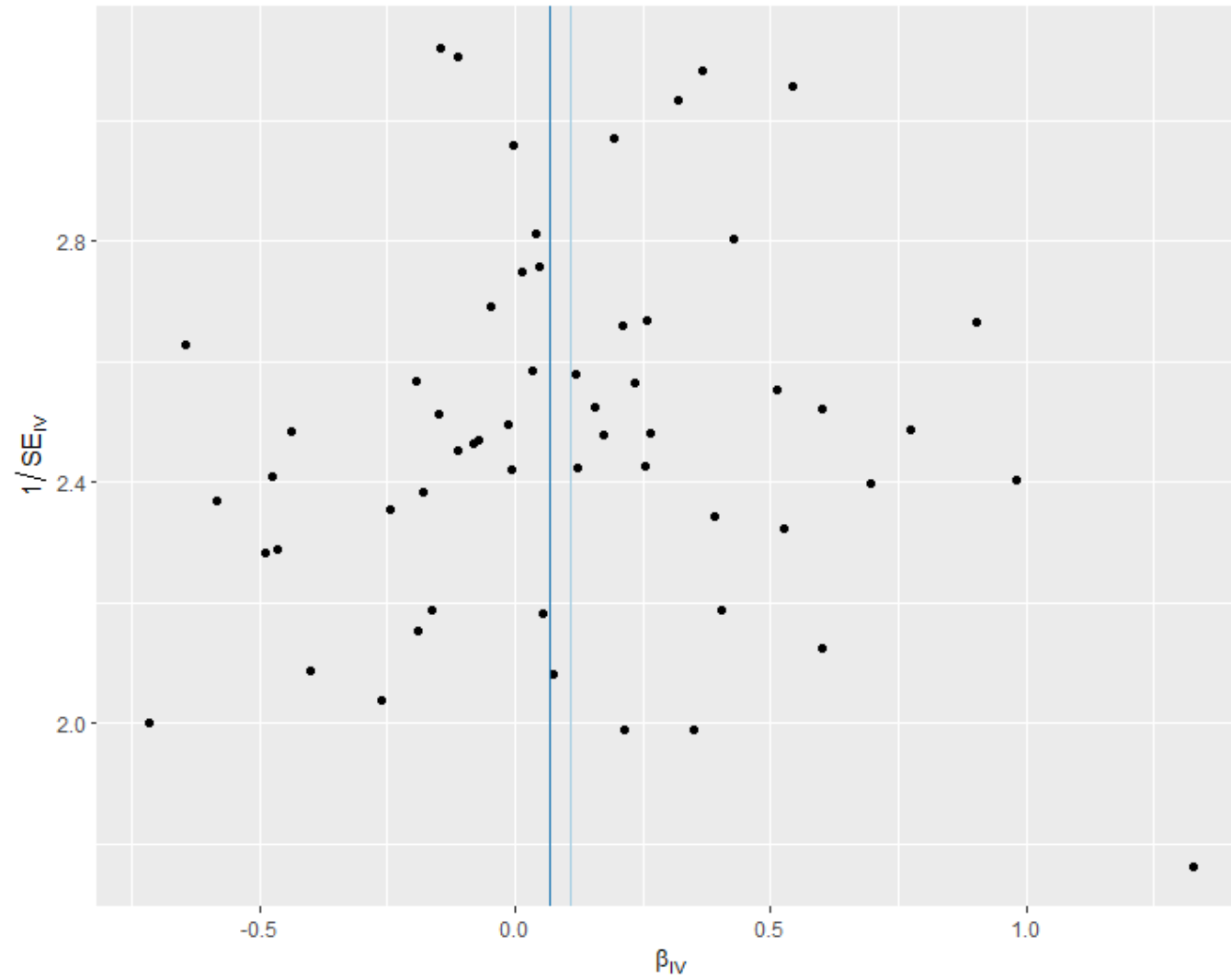


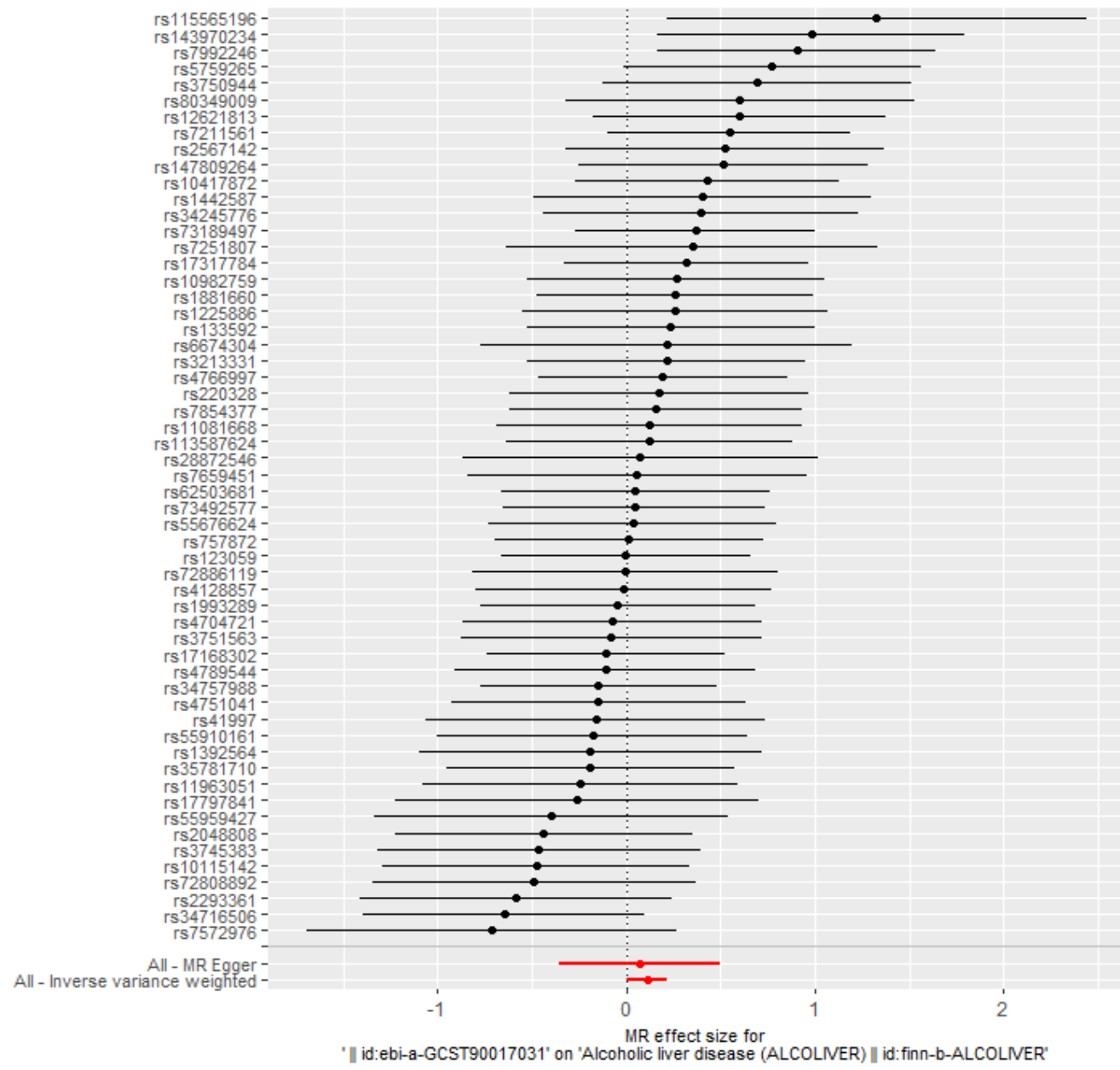
Figure 166 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Lactococcus* id.1851) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

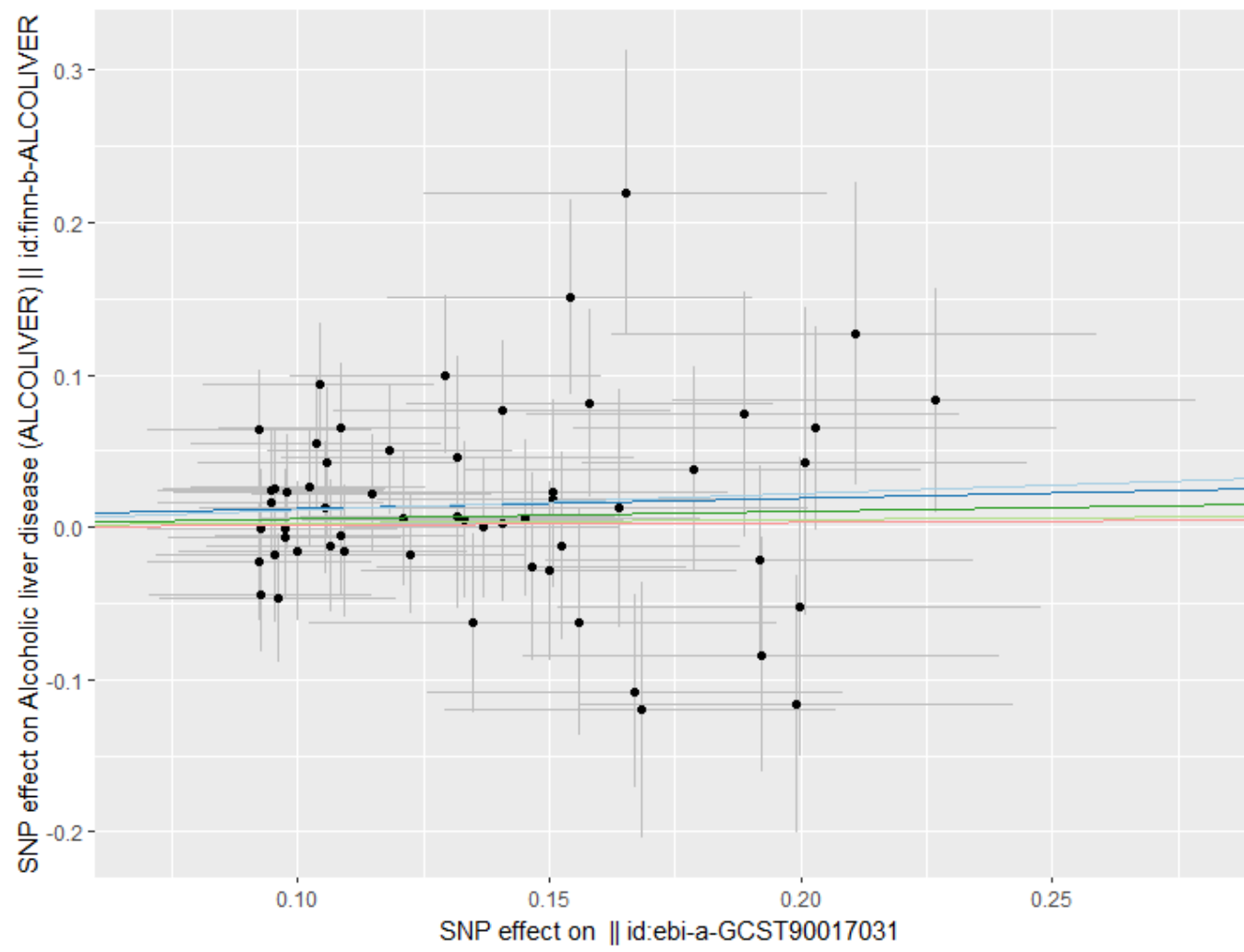
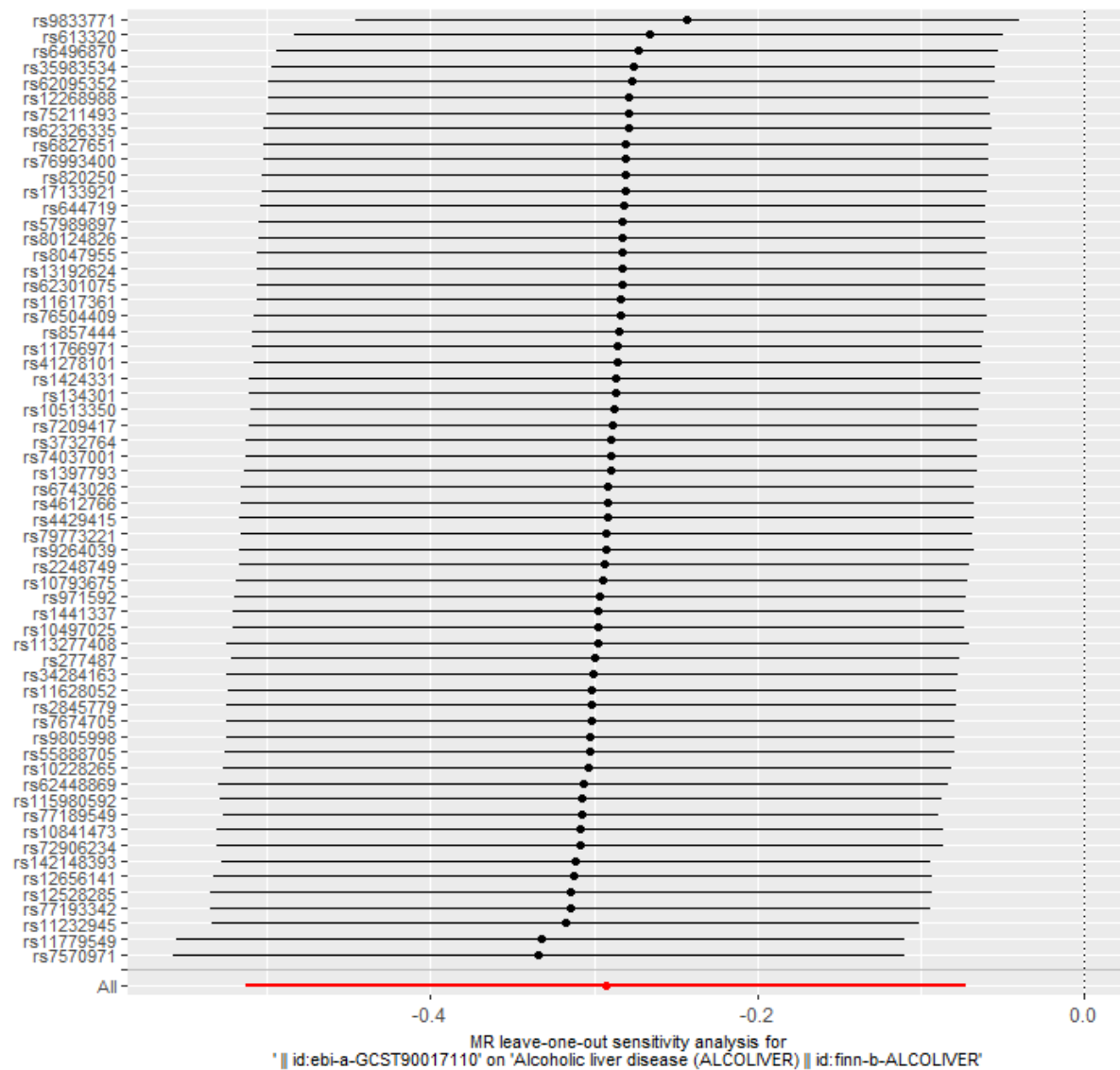
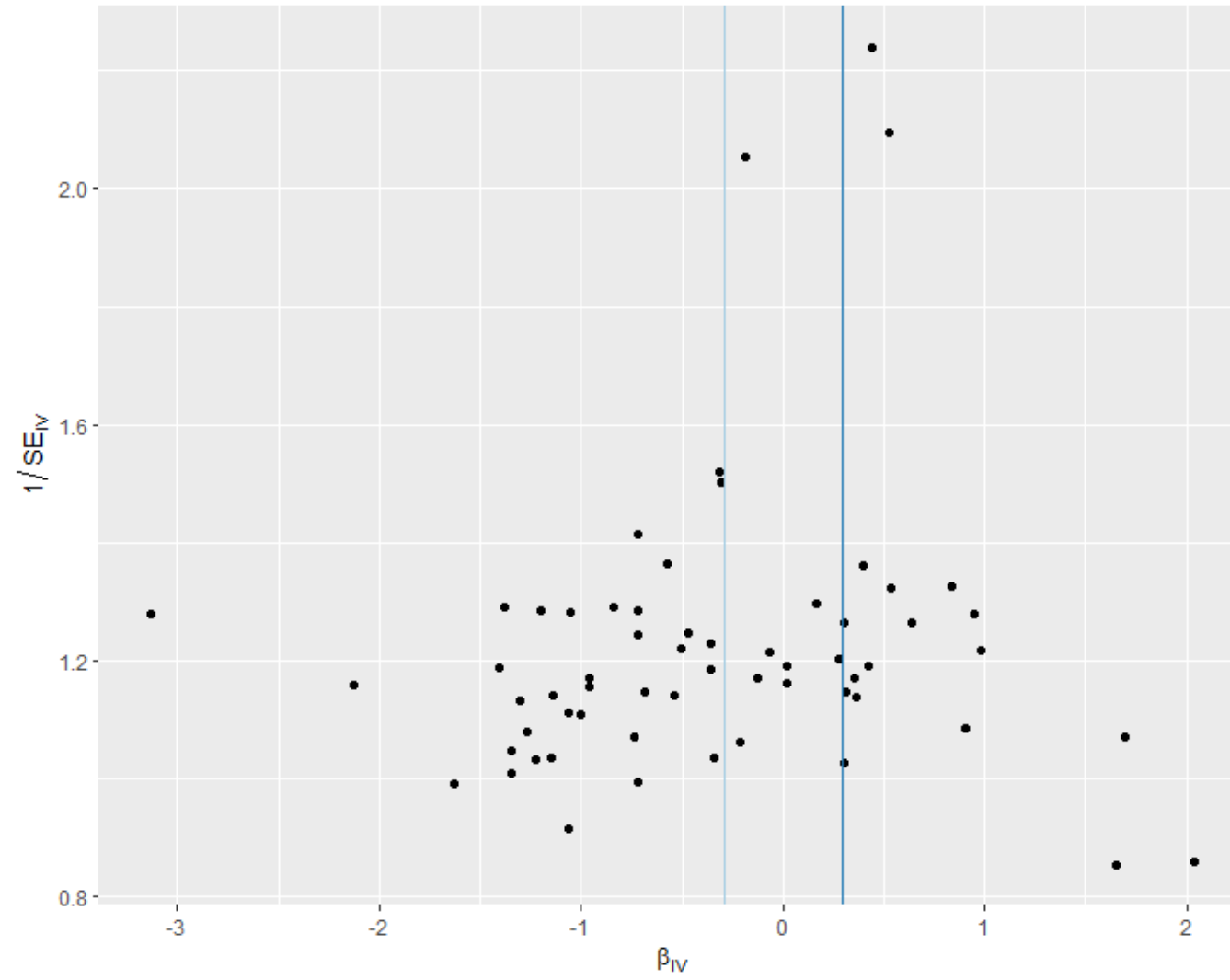
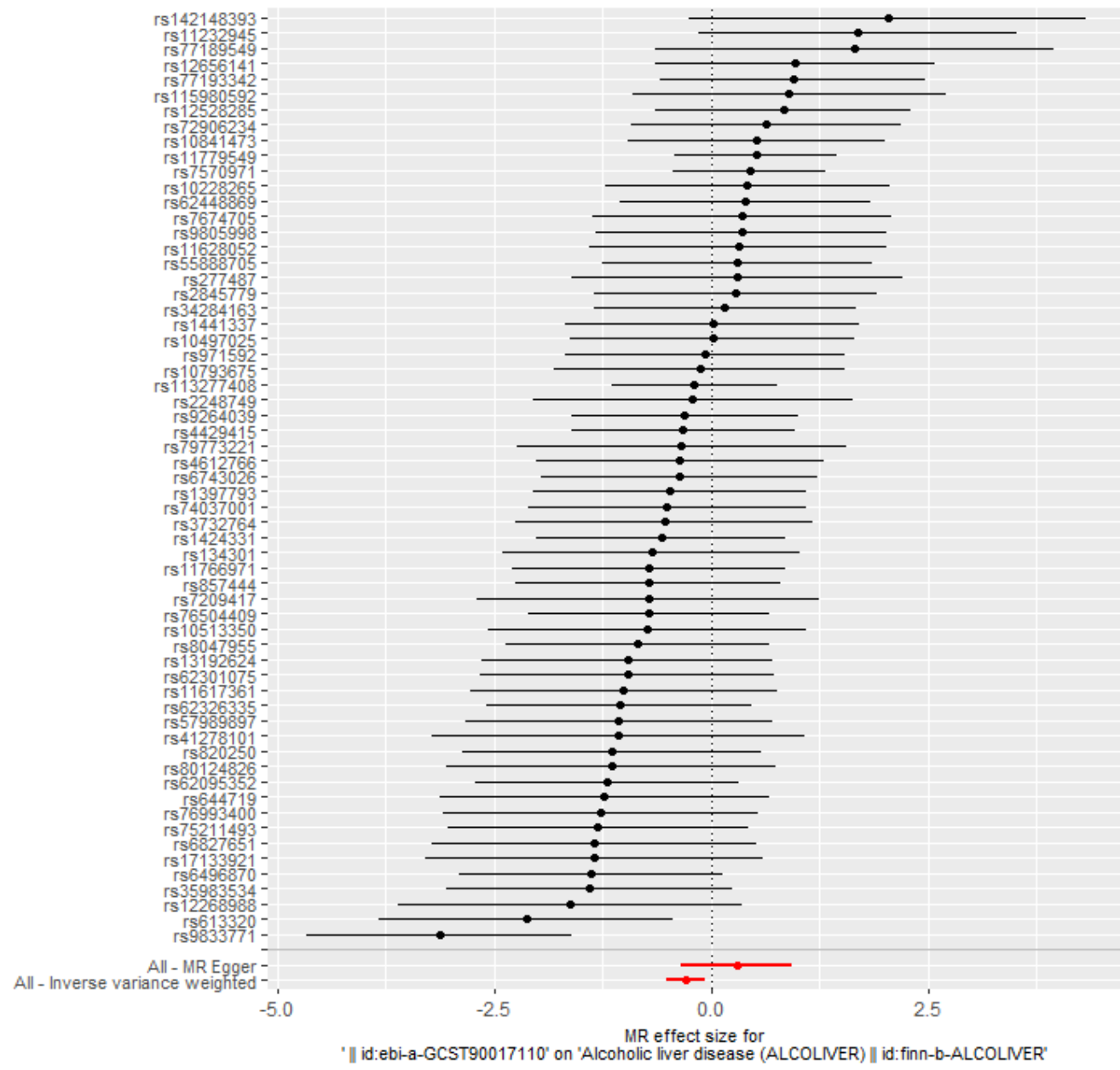


Figure 167 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Actinobacteria id.400) on alcoholic liver disease



MR Method
Inverse variance weighted
MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

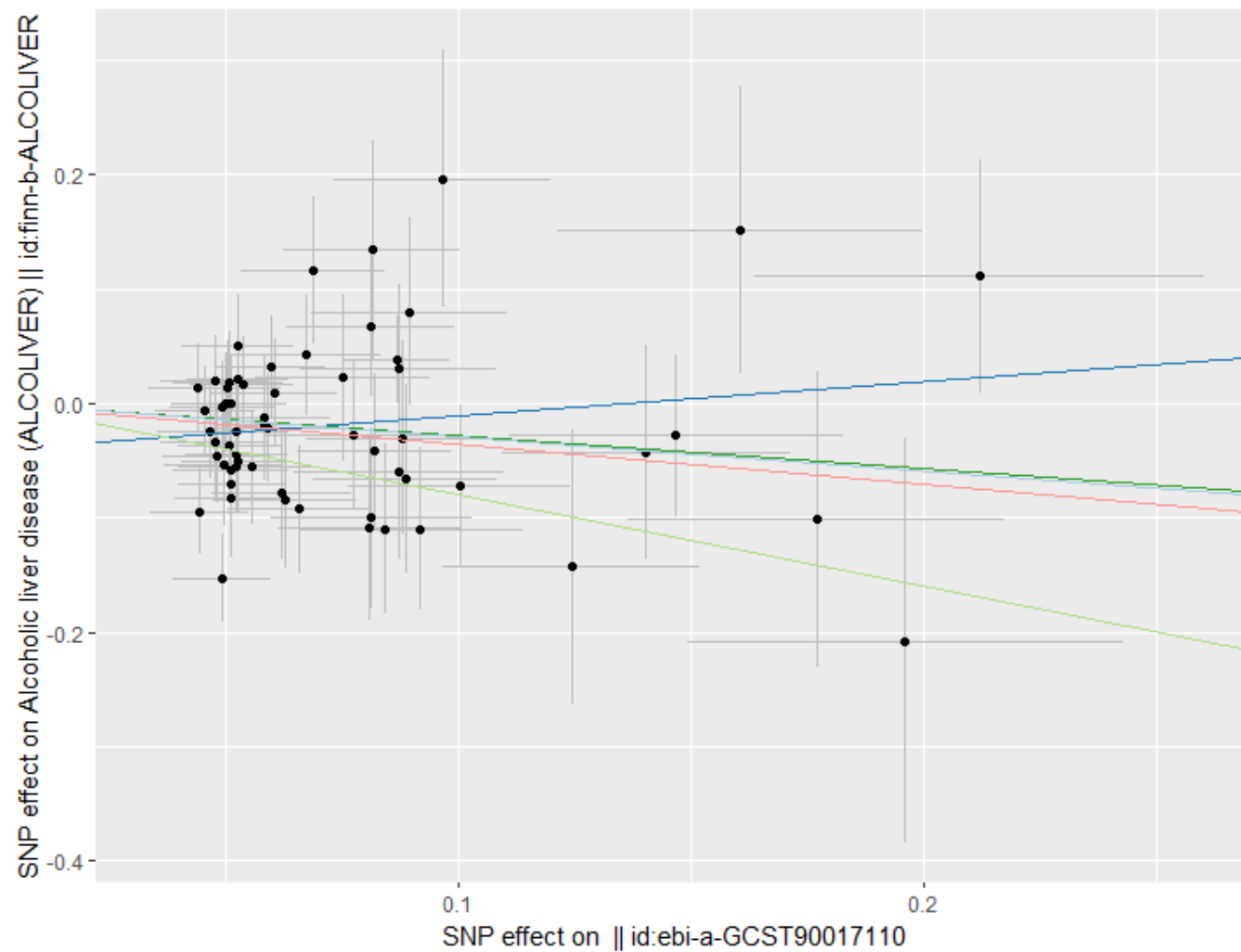
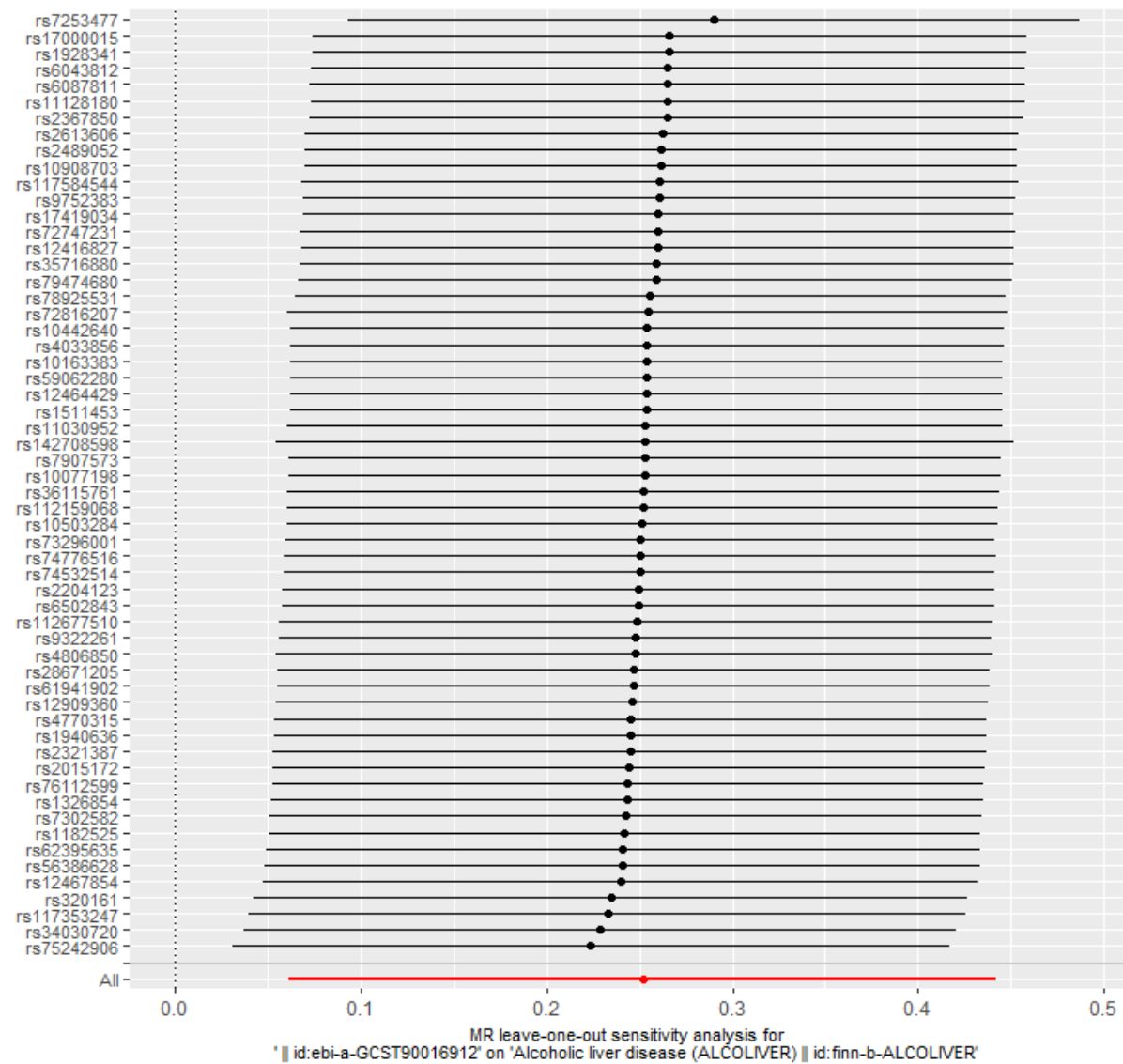
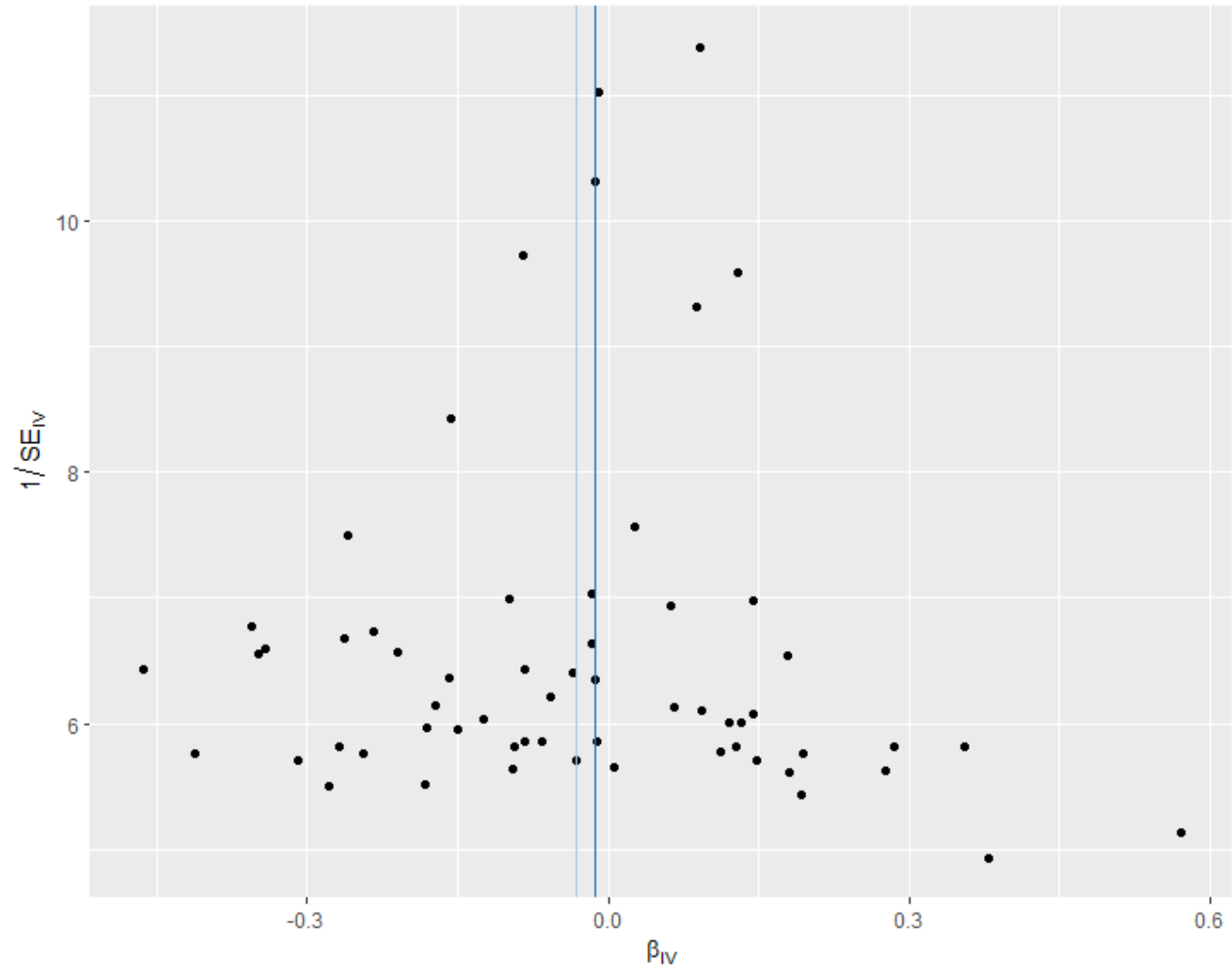


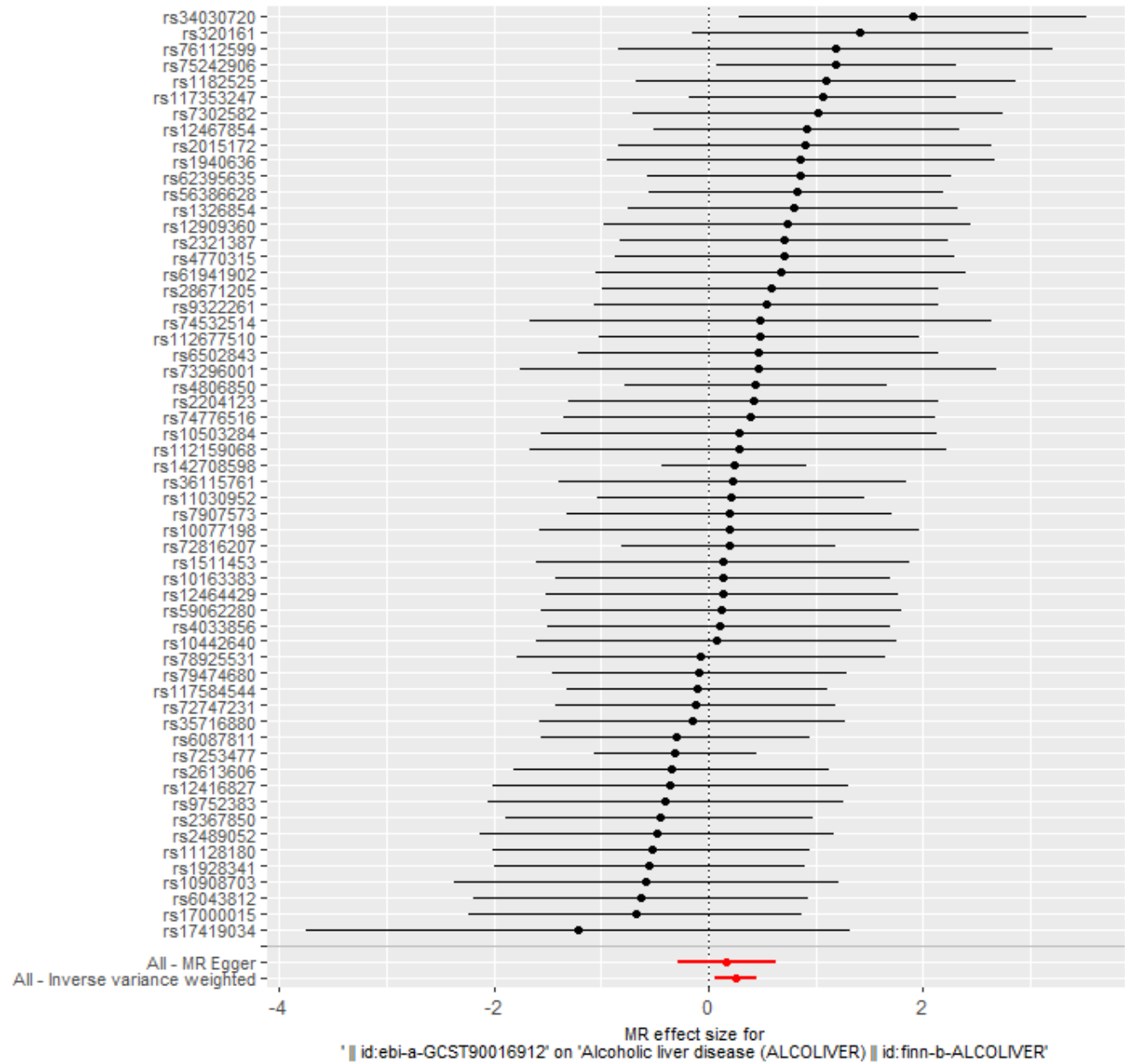
Figure 168 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Betaproteobacteria id.2867) on alcoholic liver disease



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

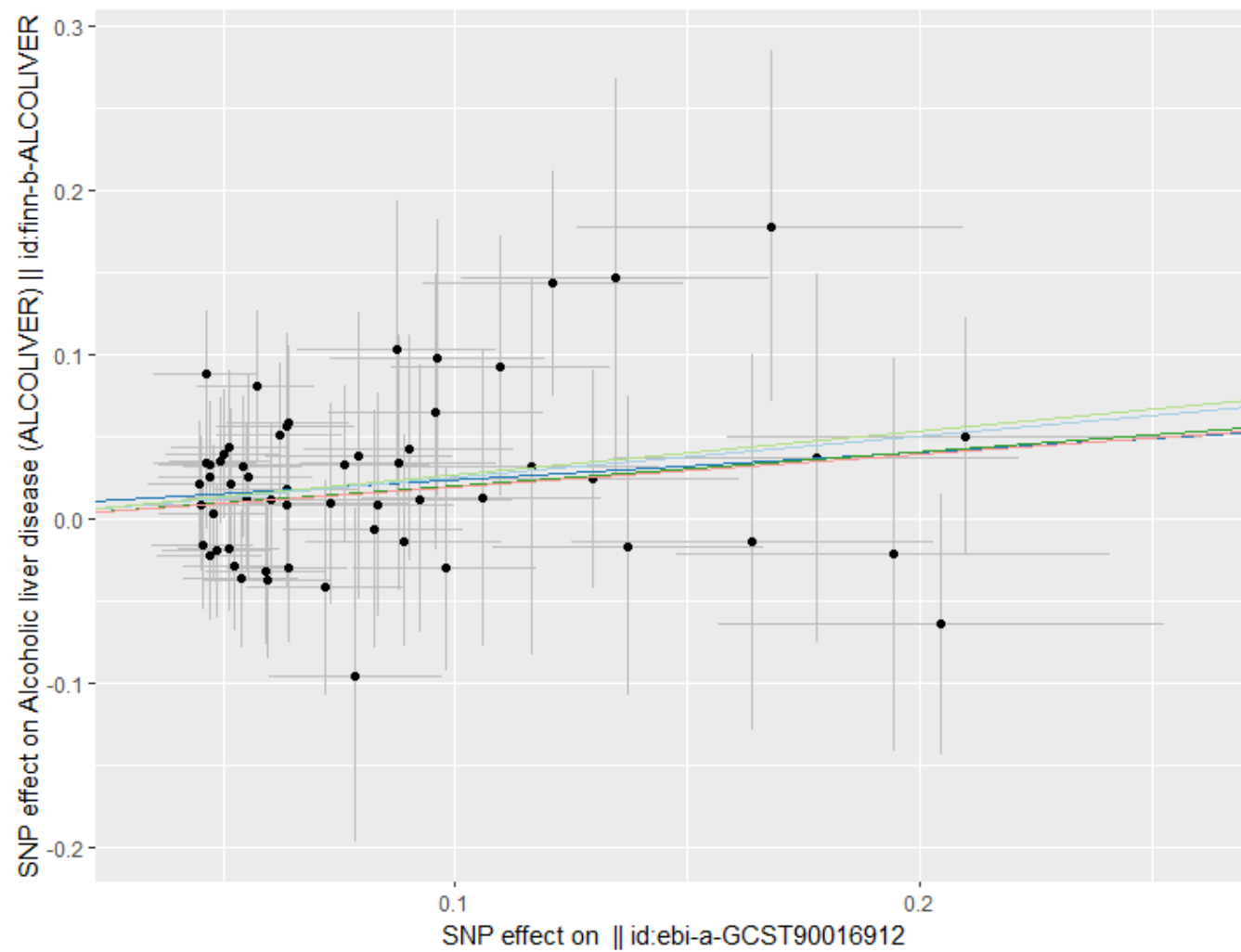
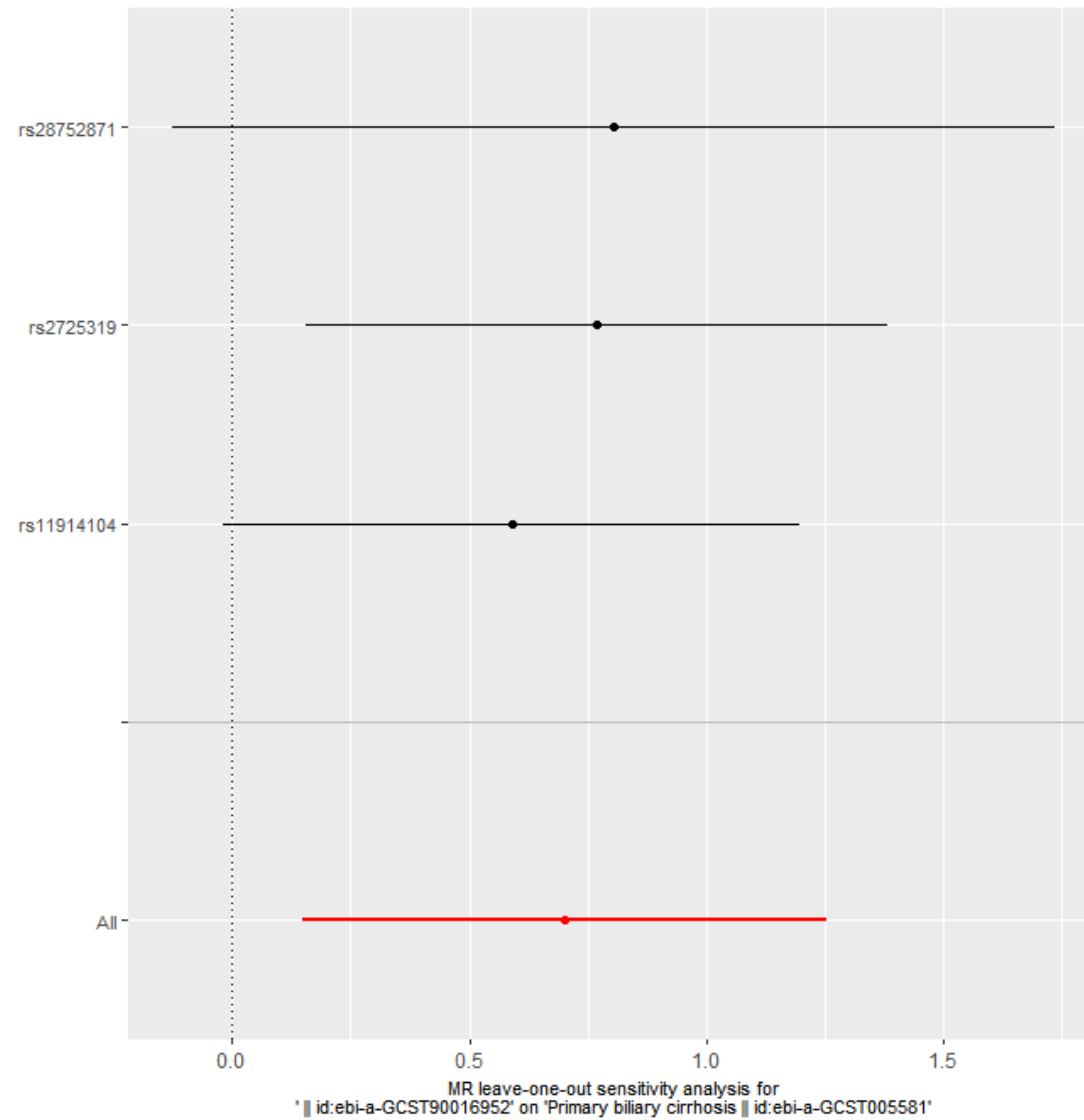
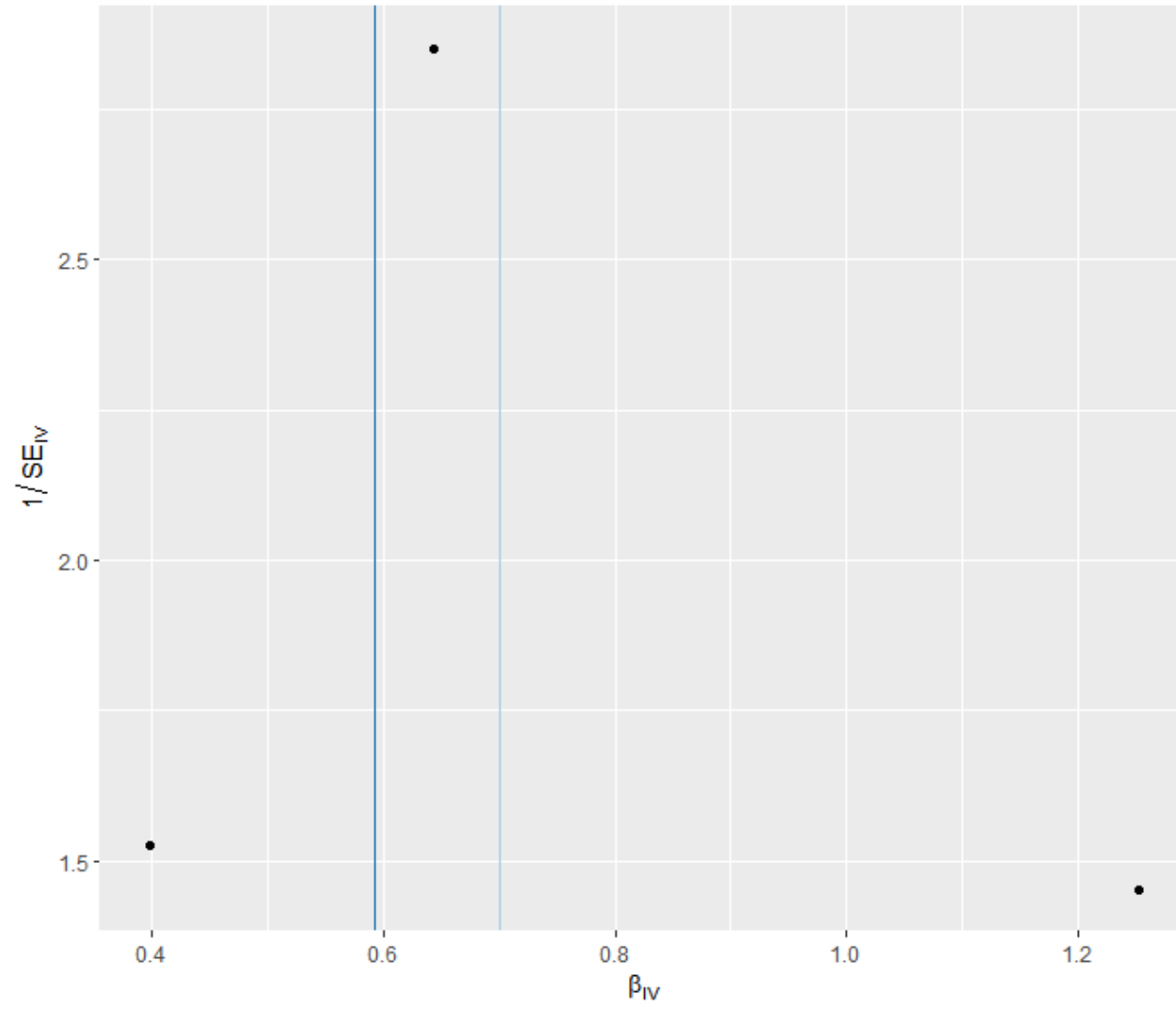


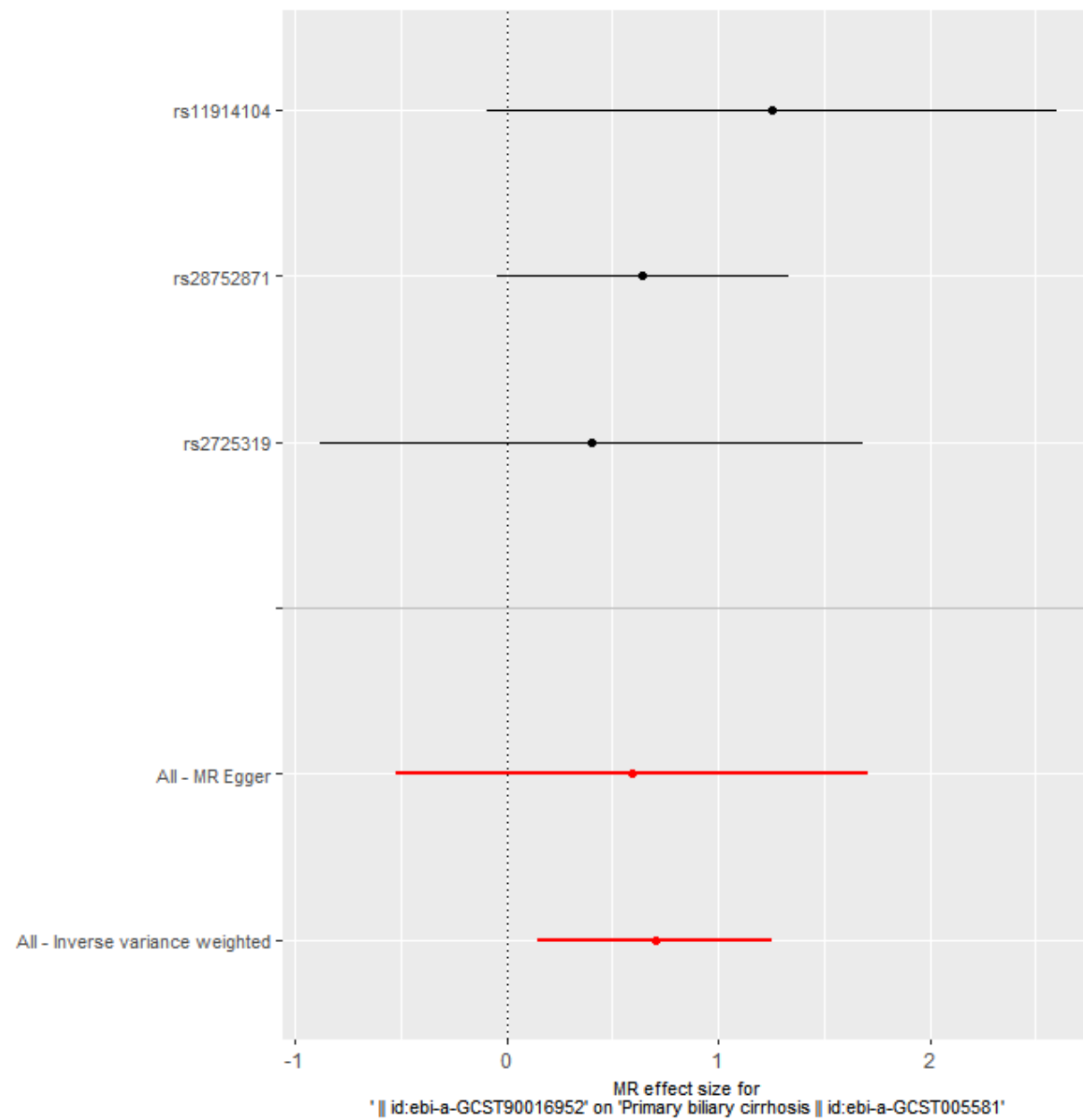
Figure 169 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Streptococcaceae id.1850) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

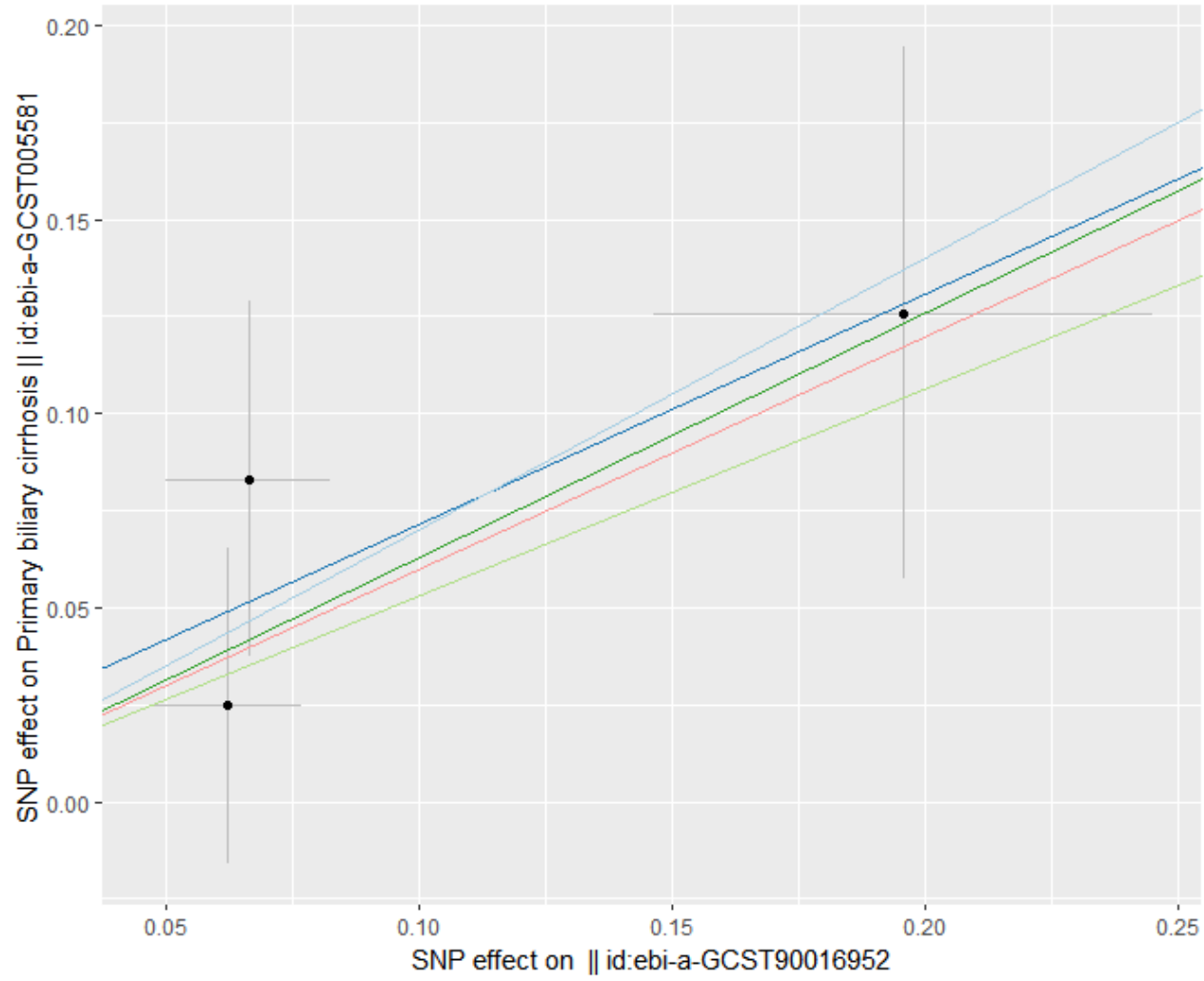
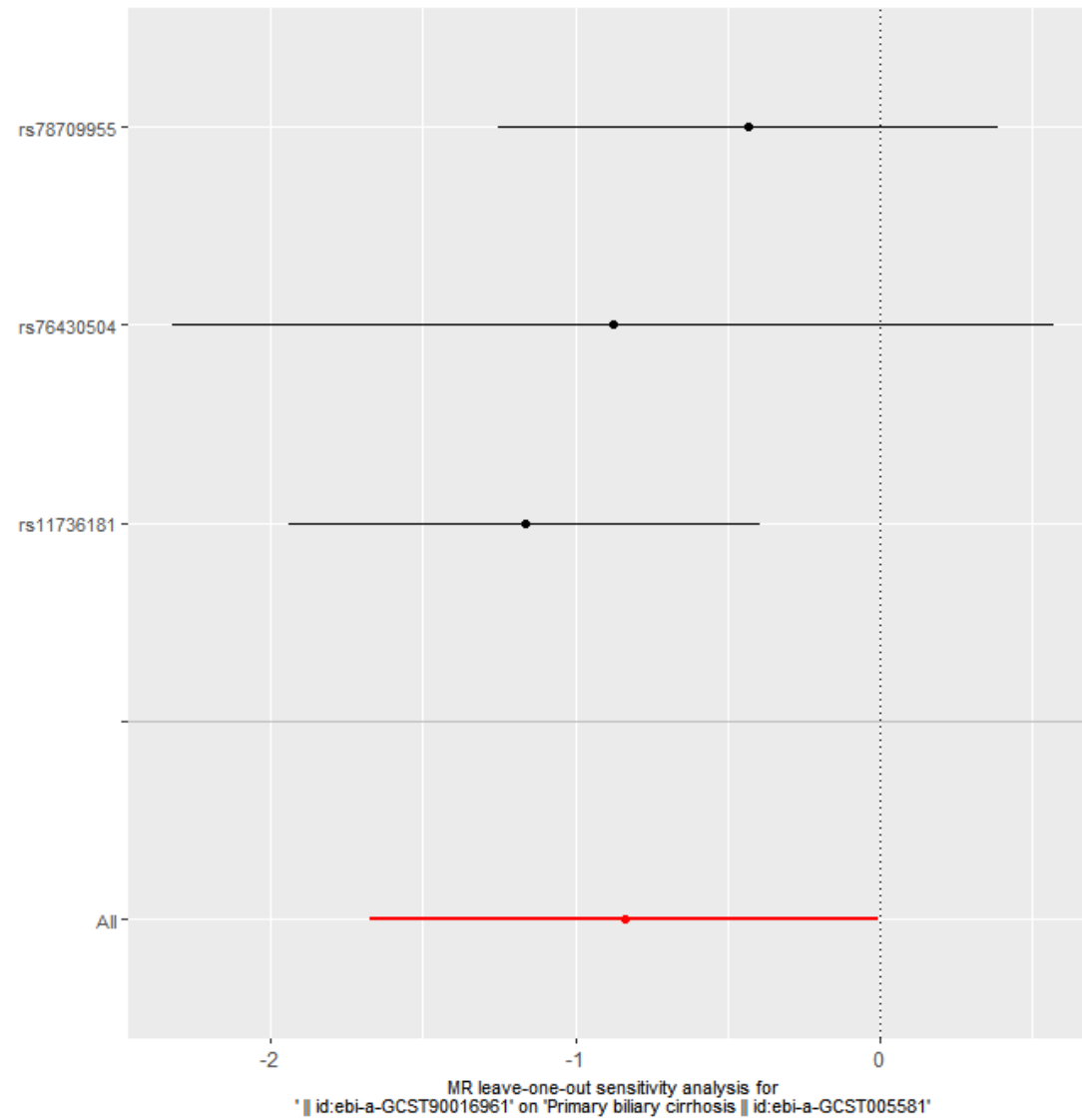
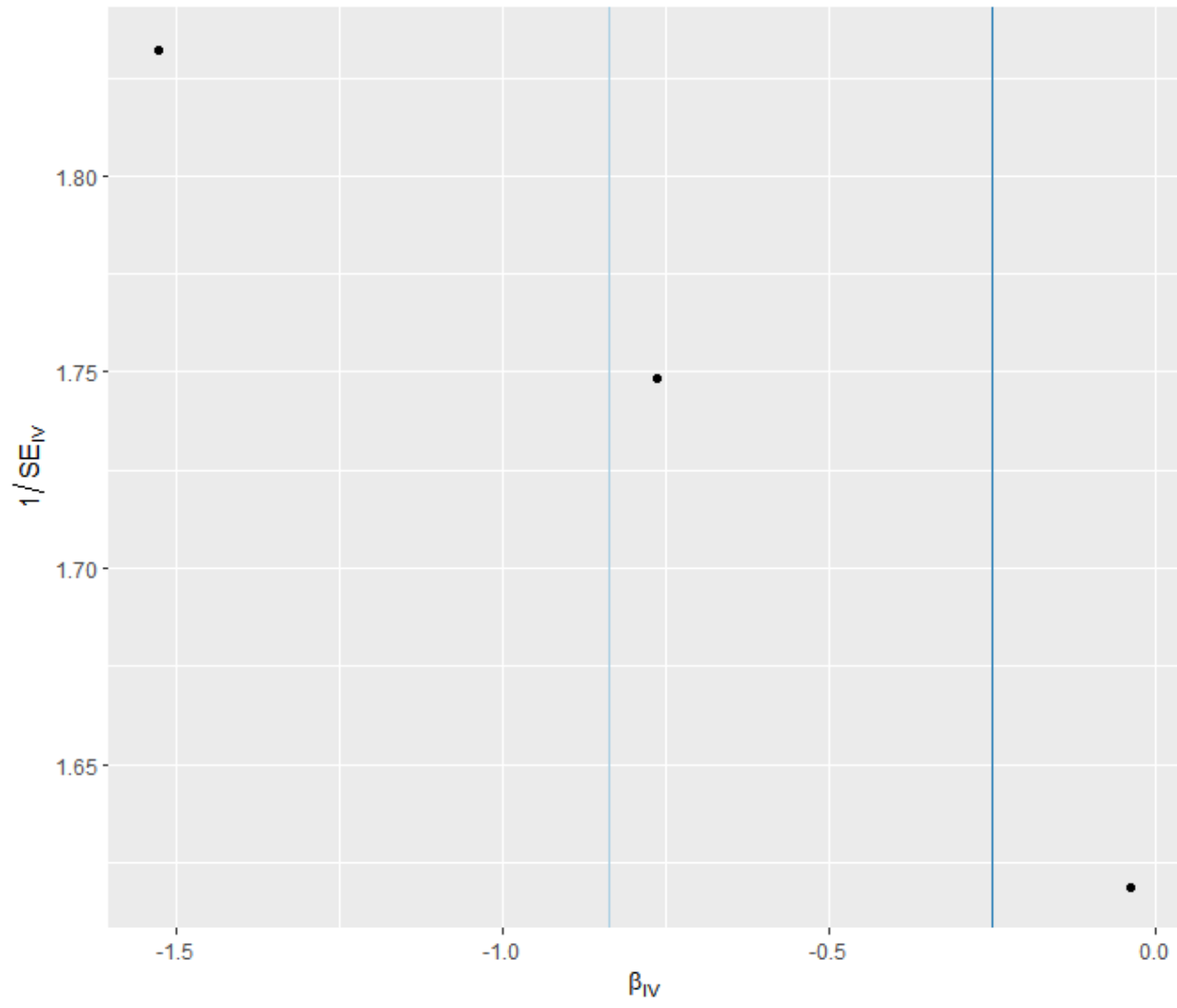


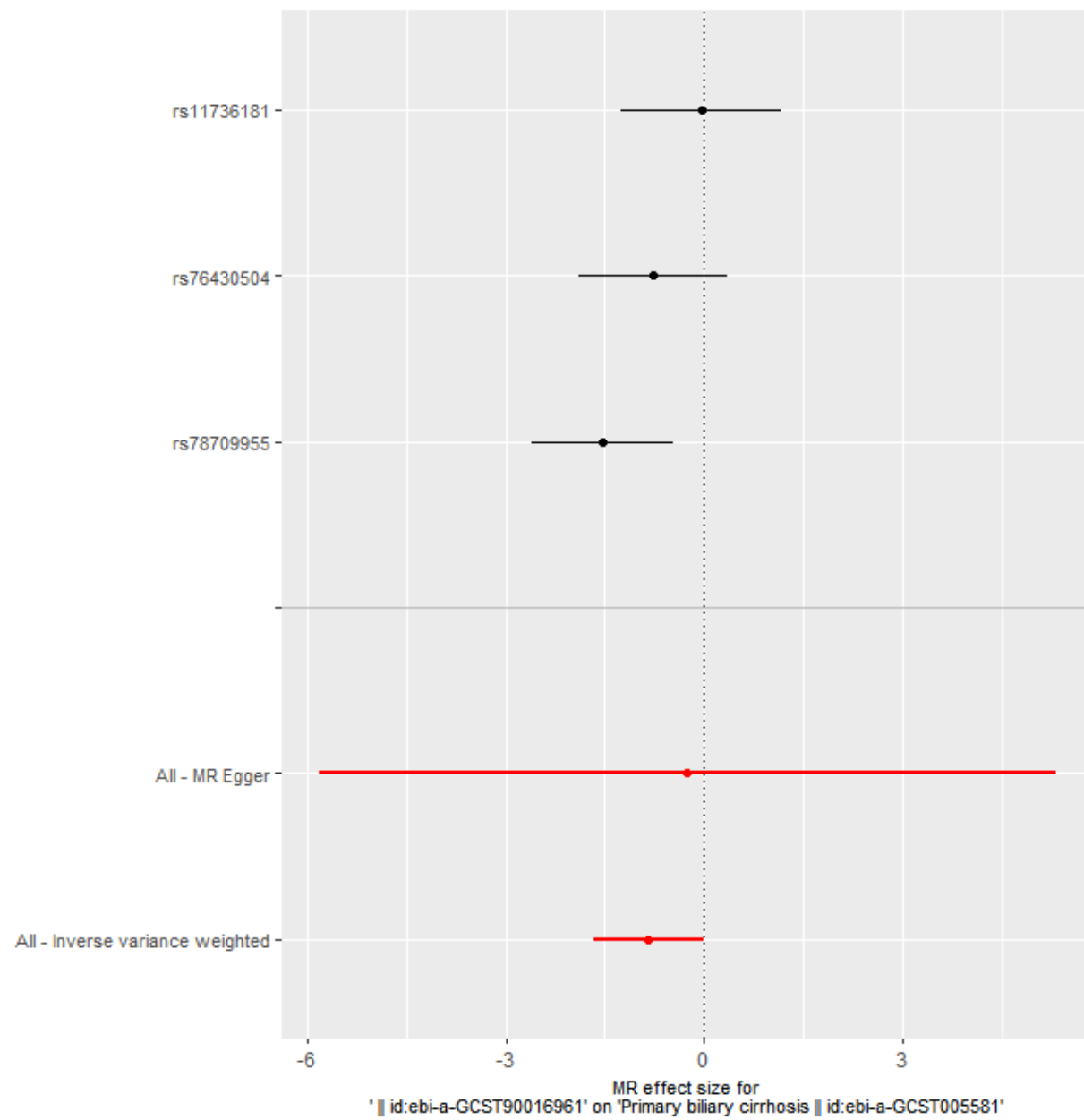
Figure 170 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Akkermansia id.4037) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

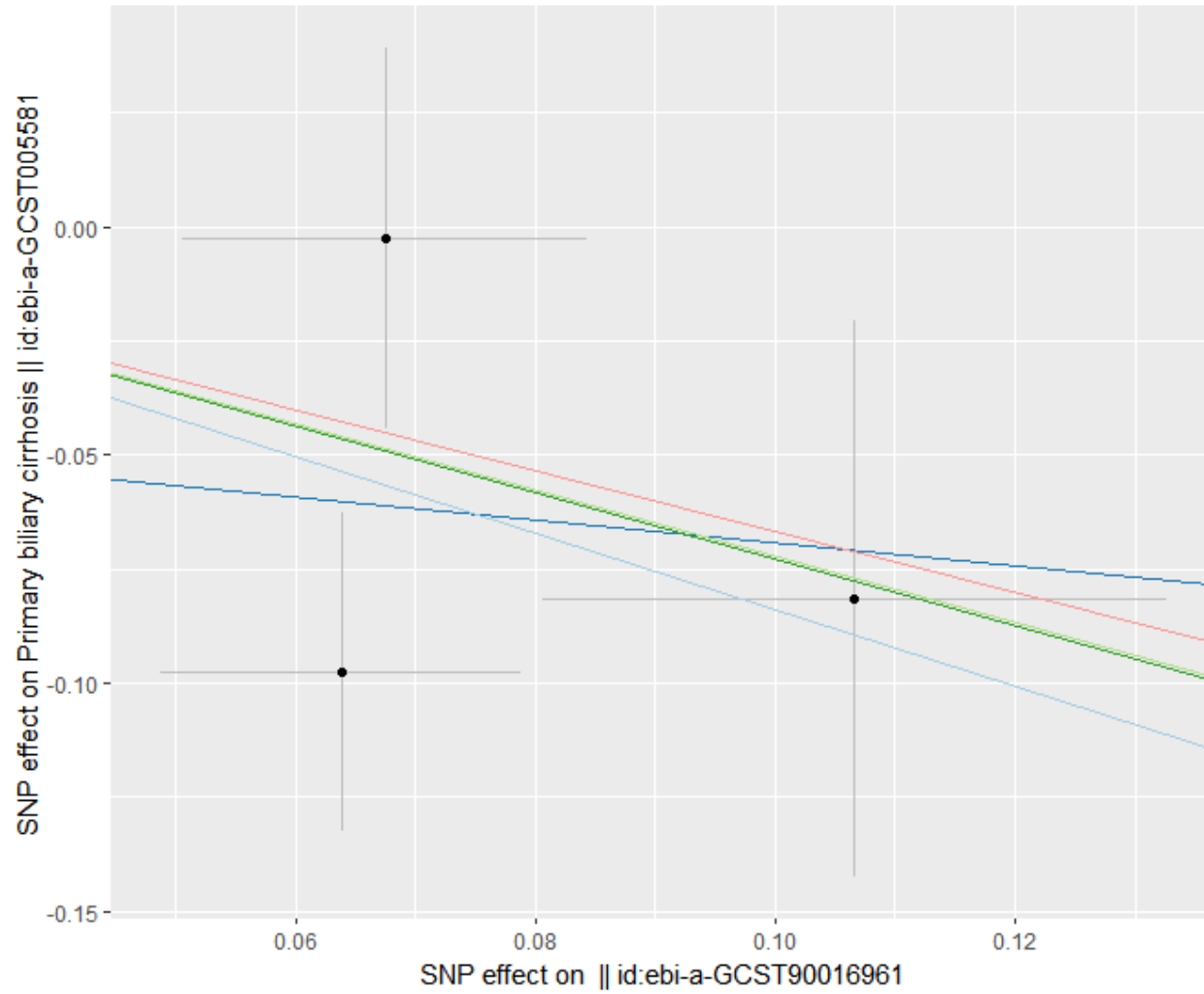
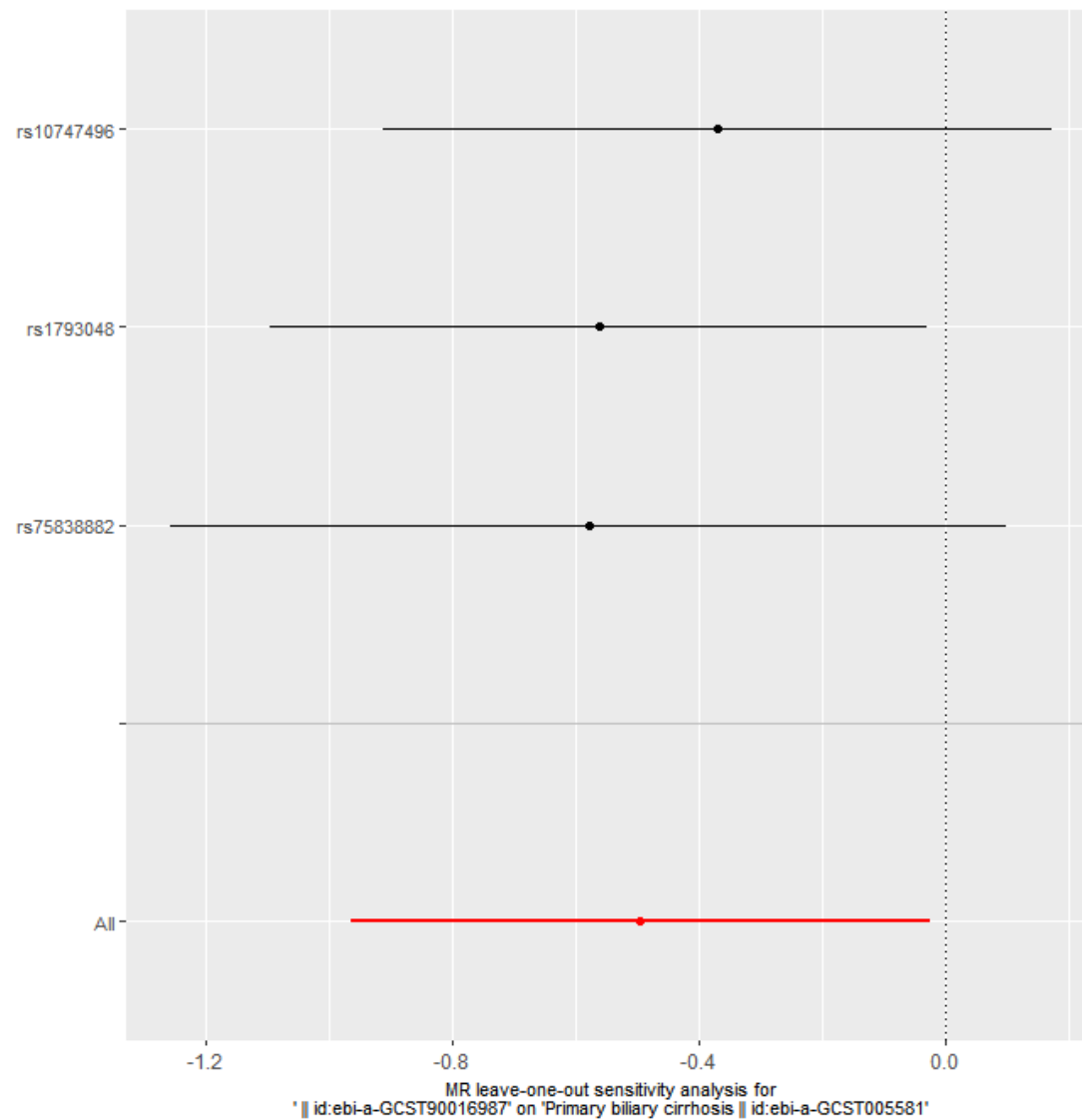
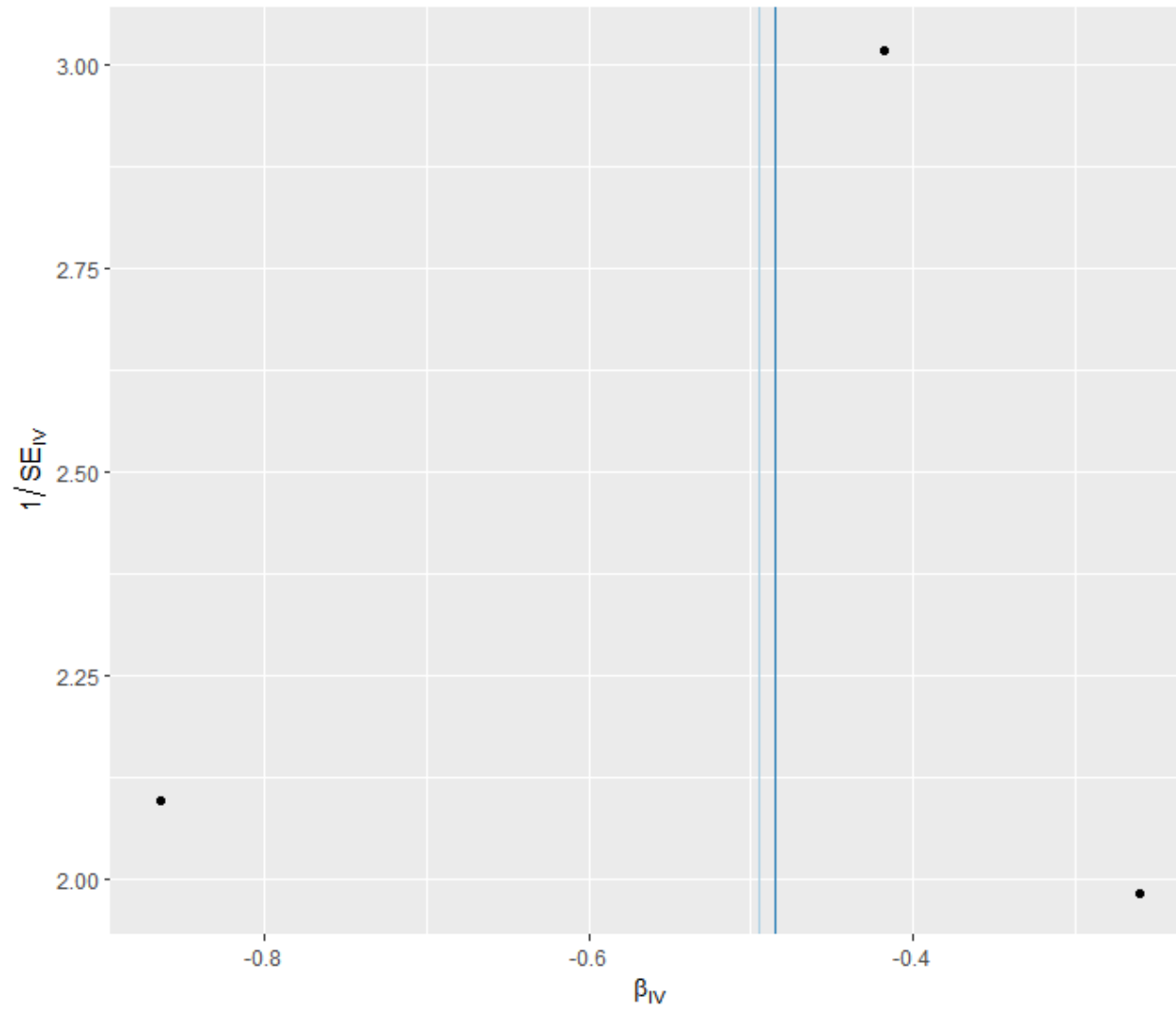


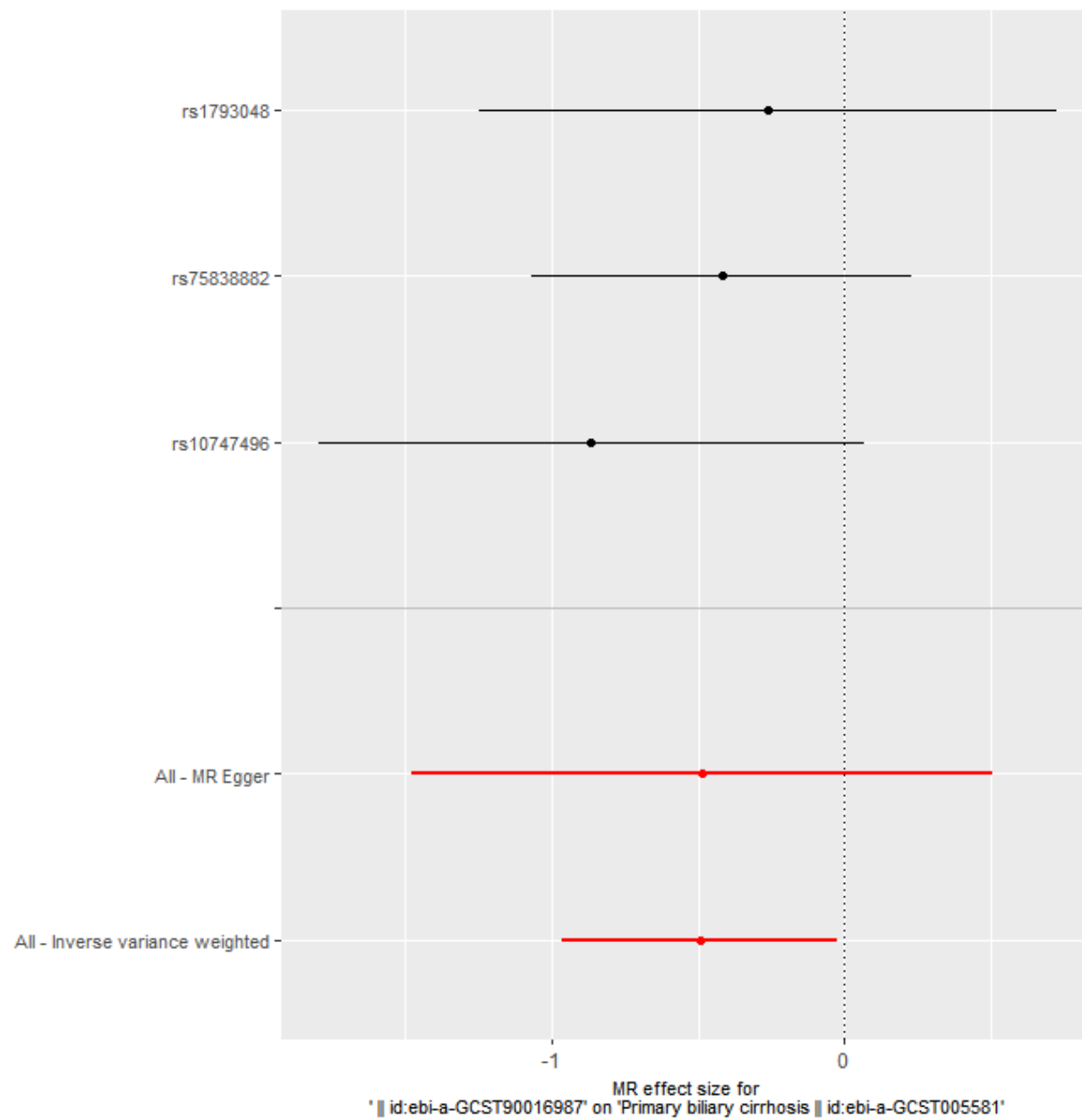
Figure 171 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Desulfovibrio* id.3173) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

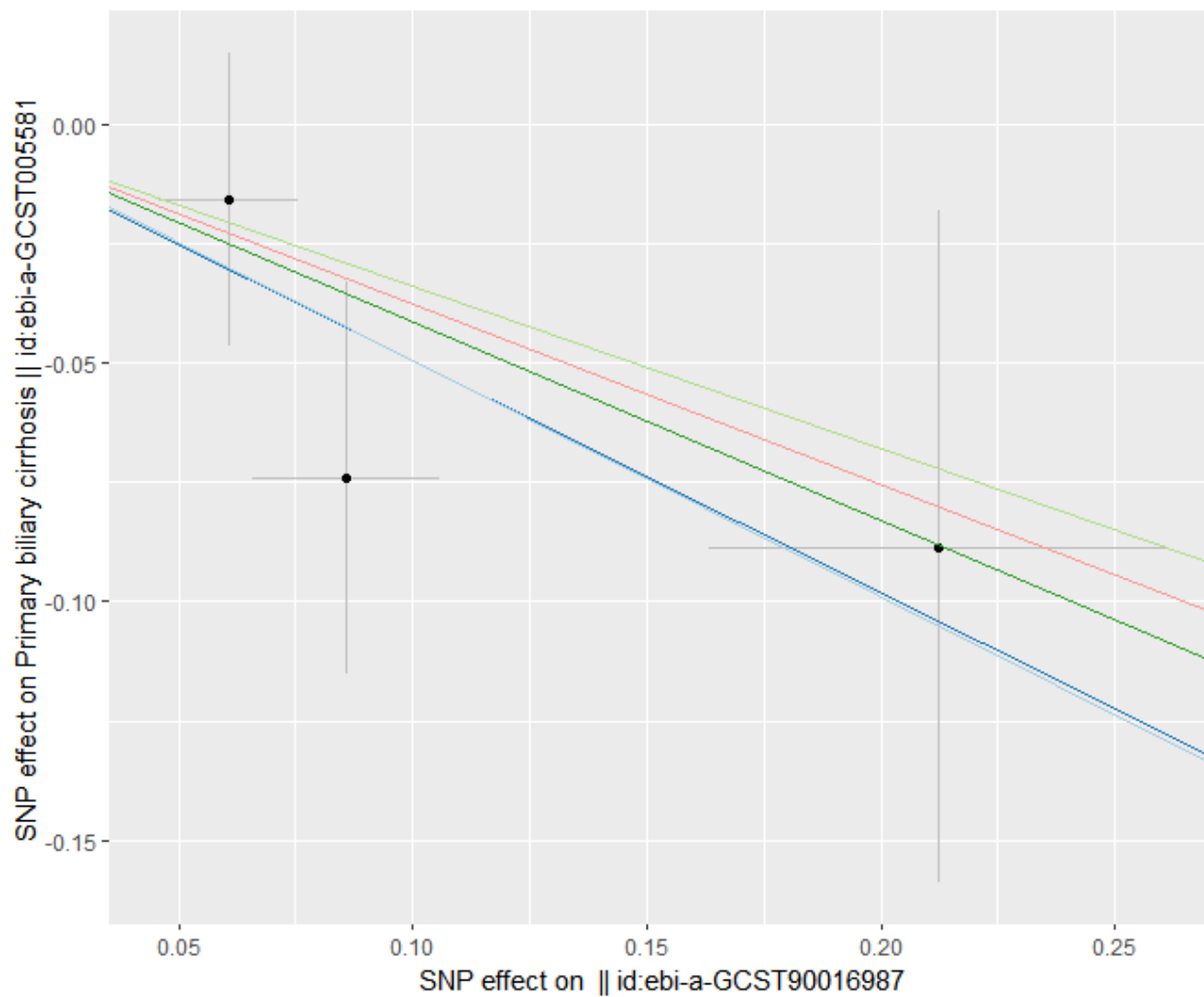
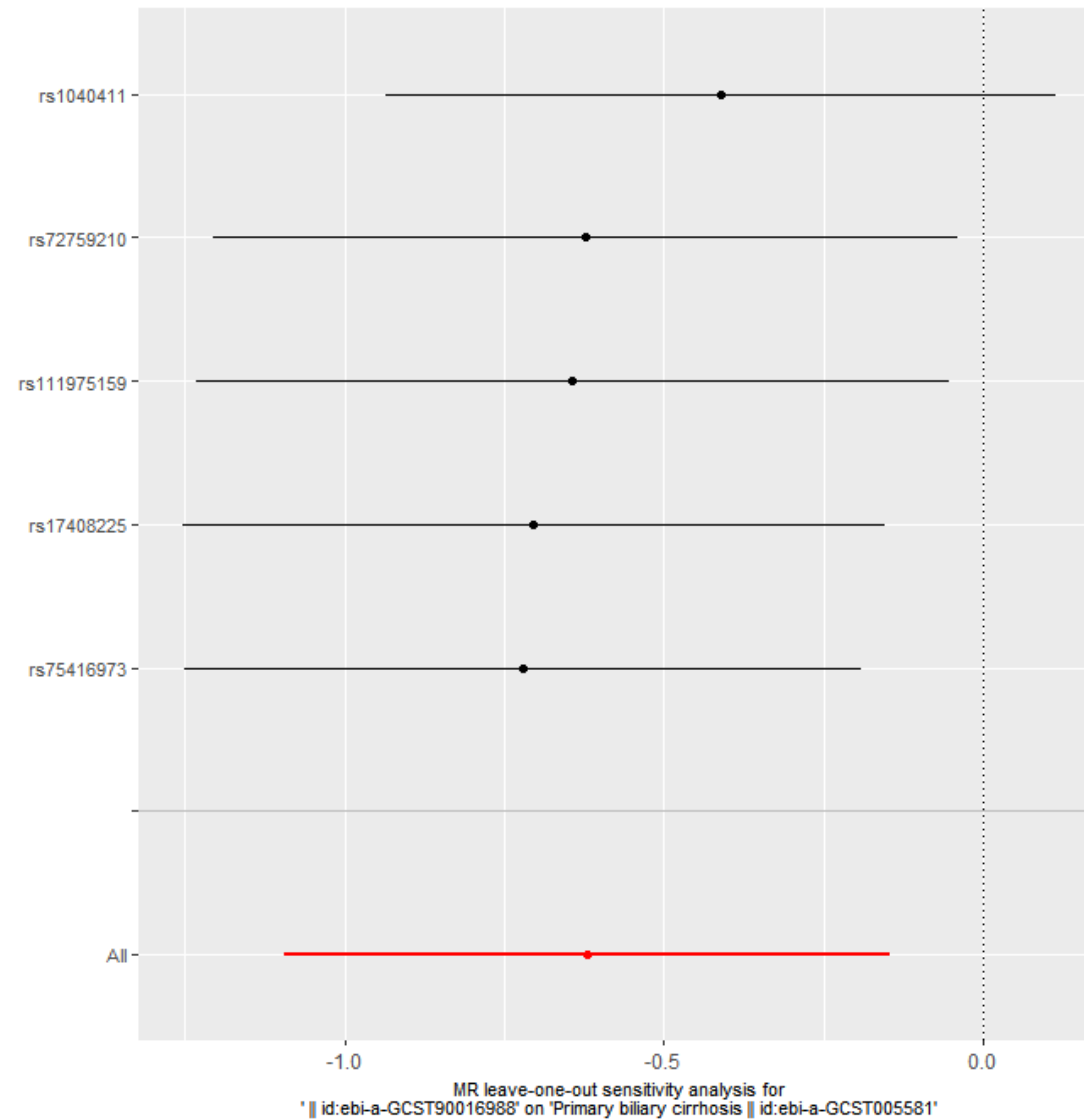
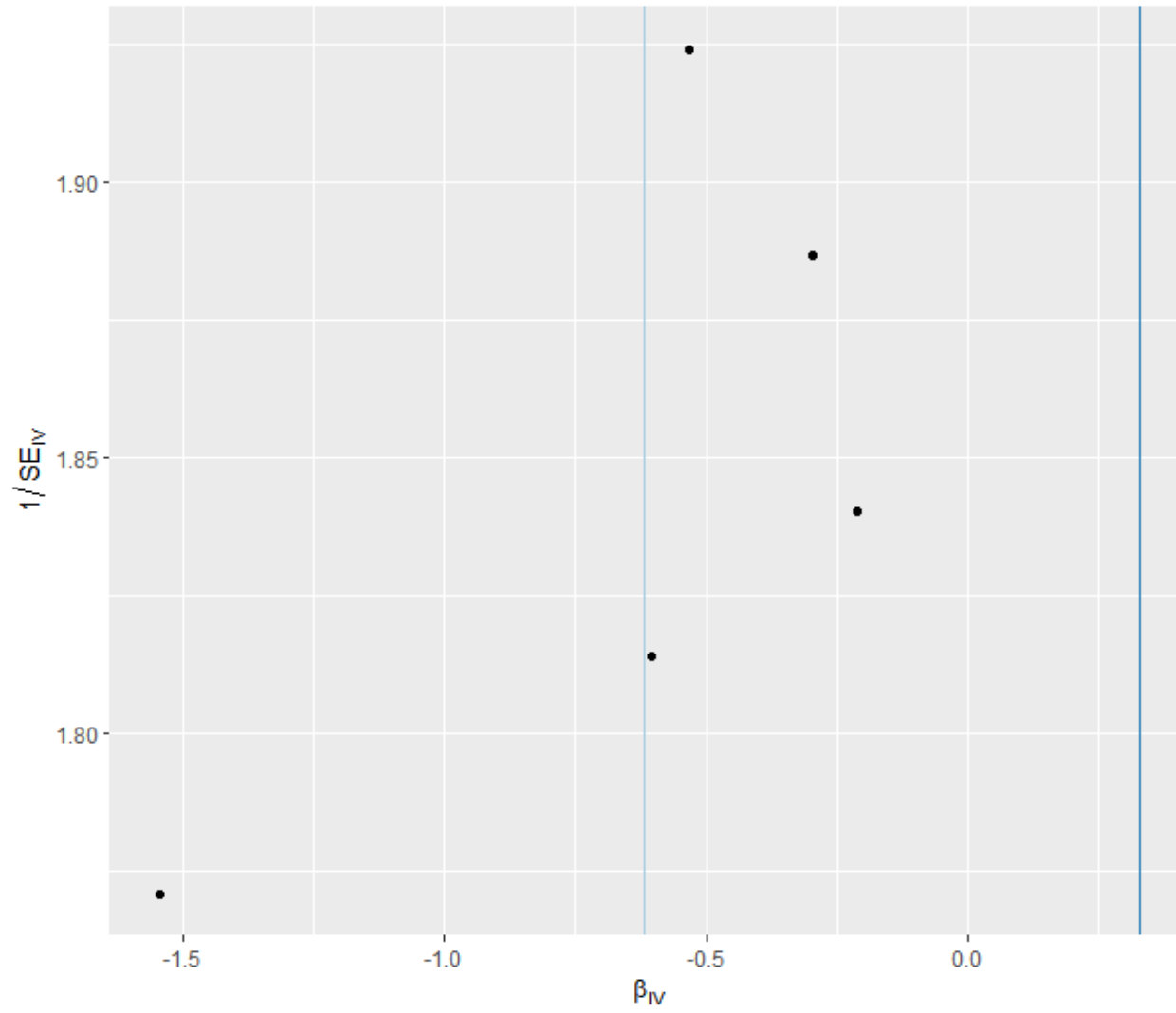


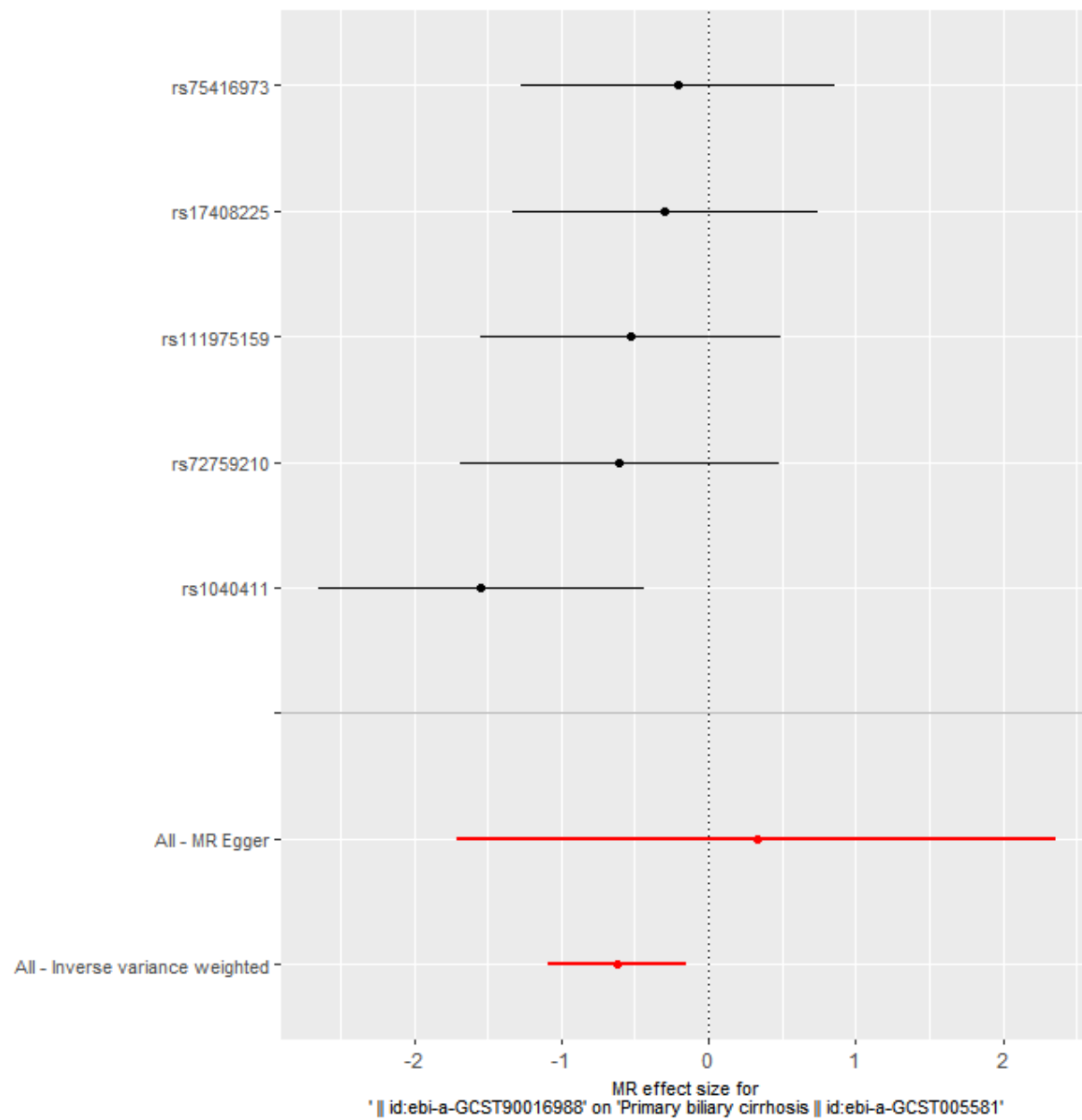
Figure 172 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Dialister* id.2183) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

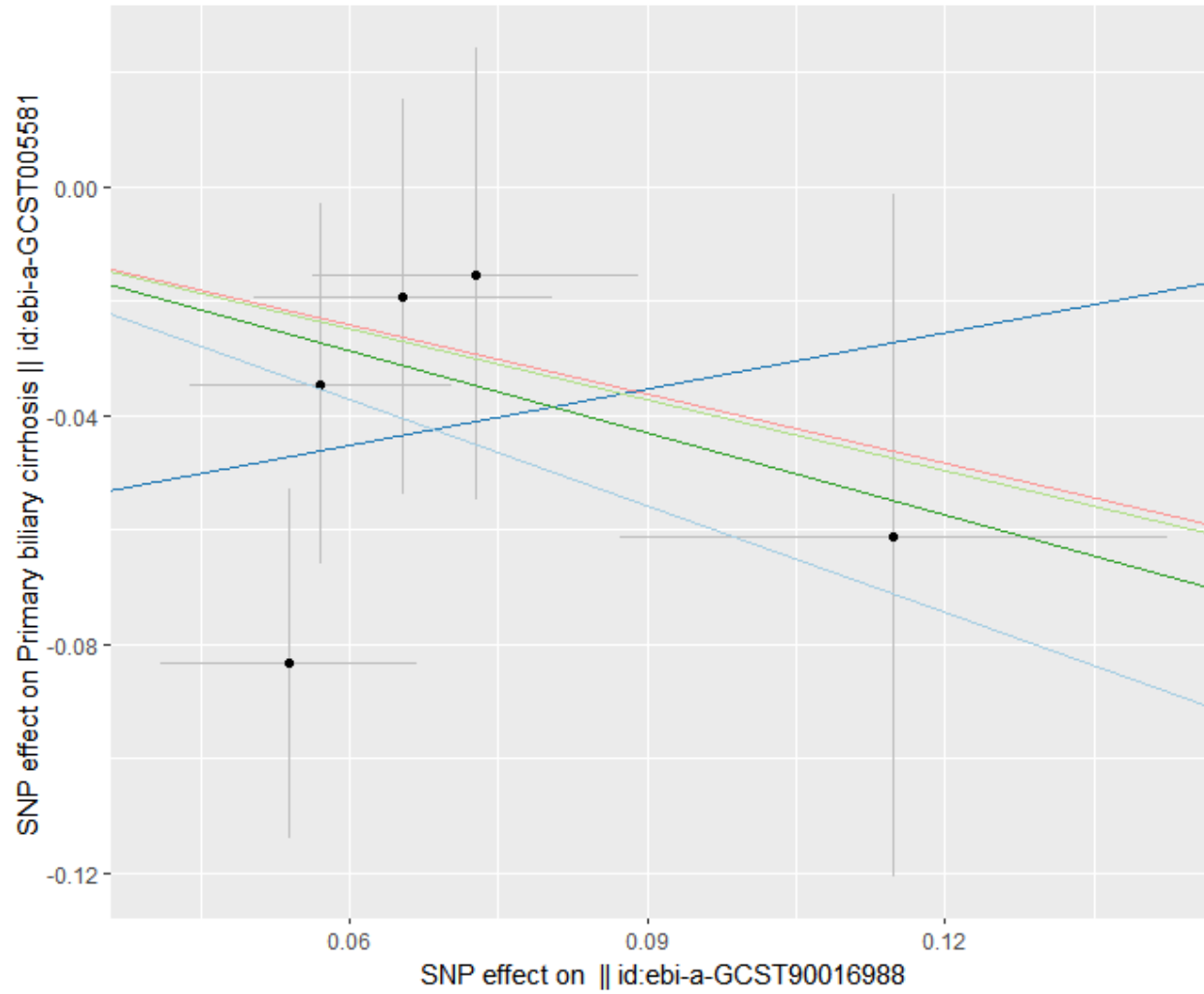
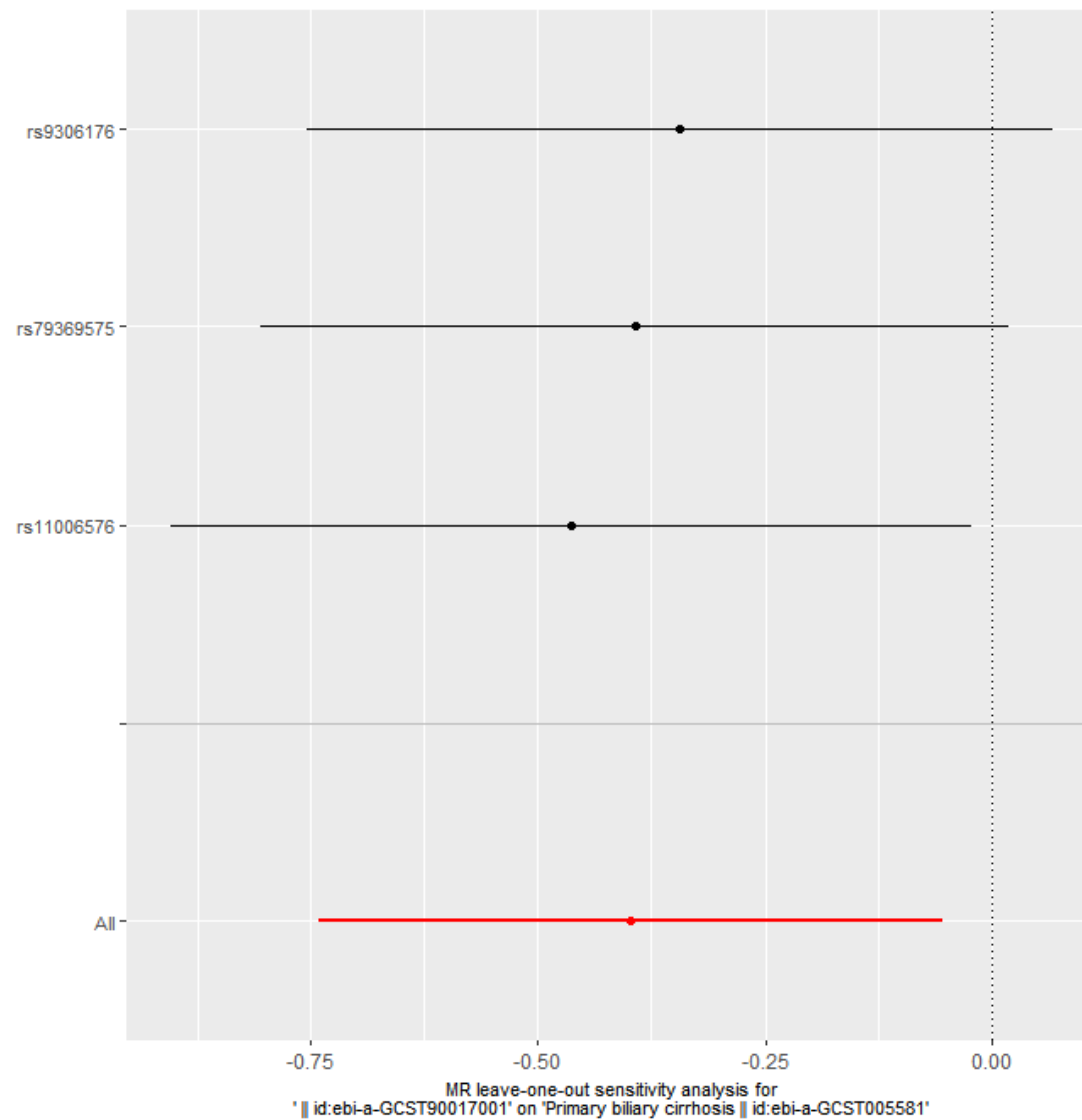
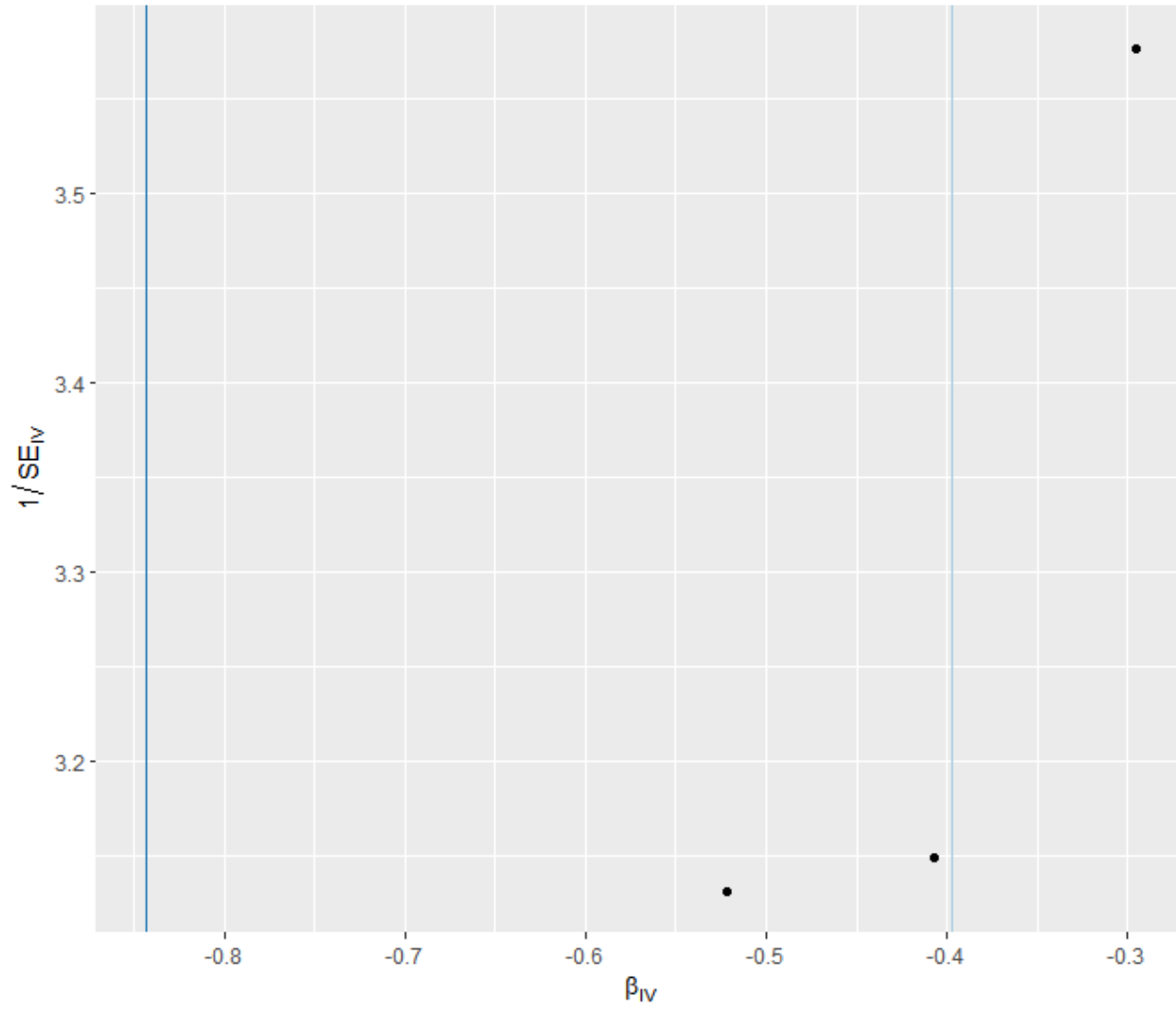


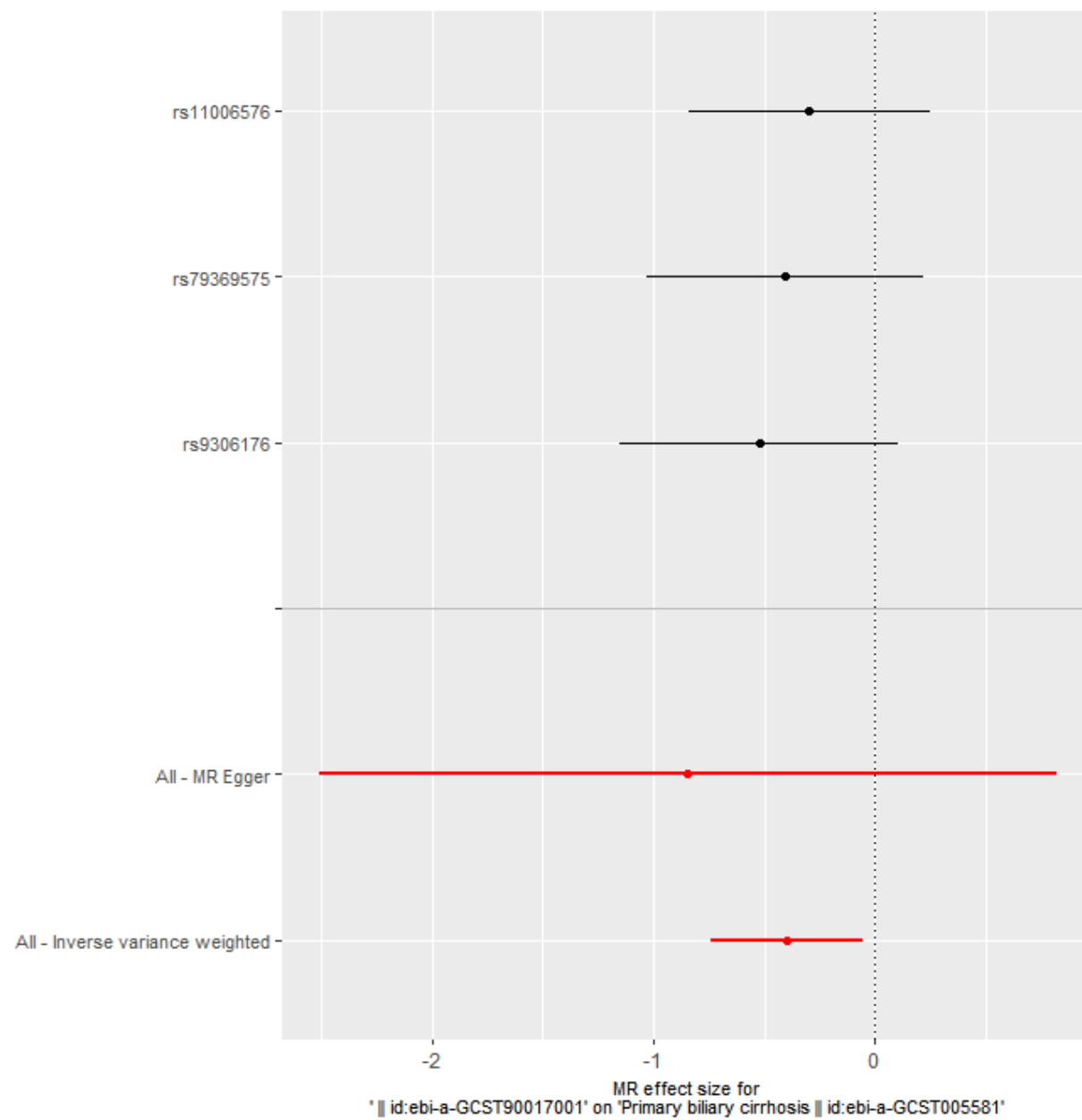
Figure 173 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium nodatum* group id.11297) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

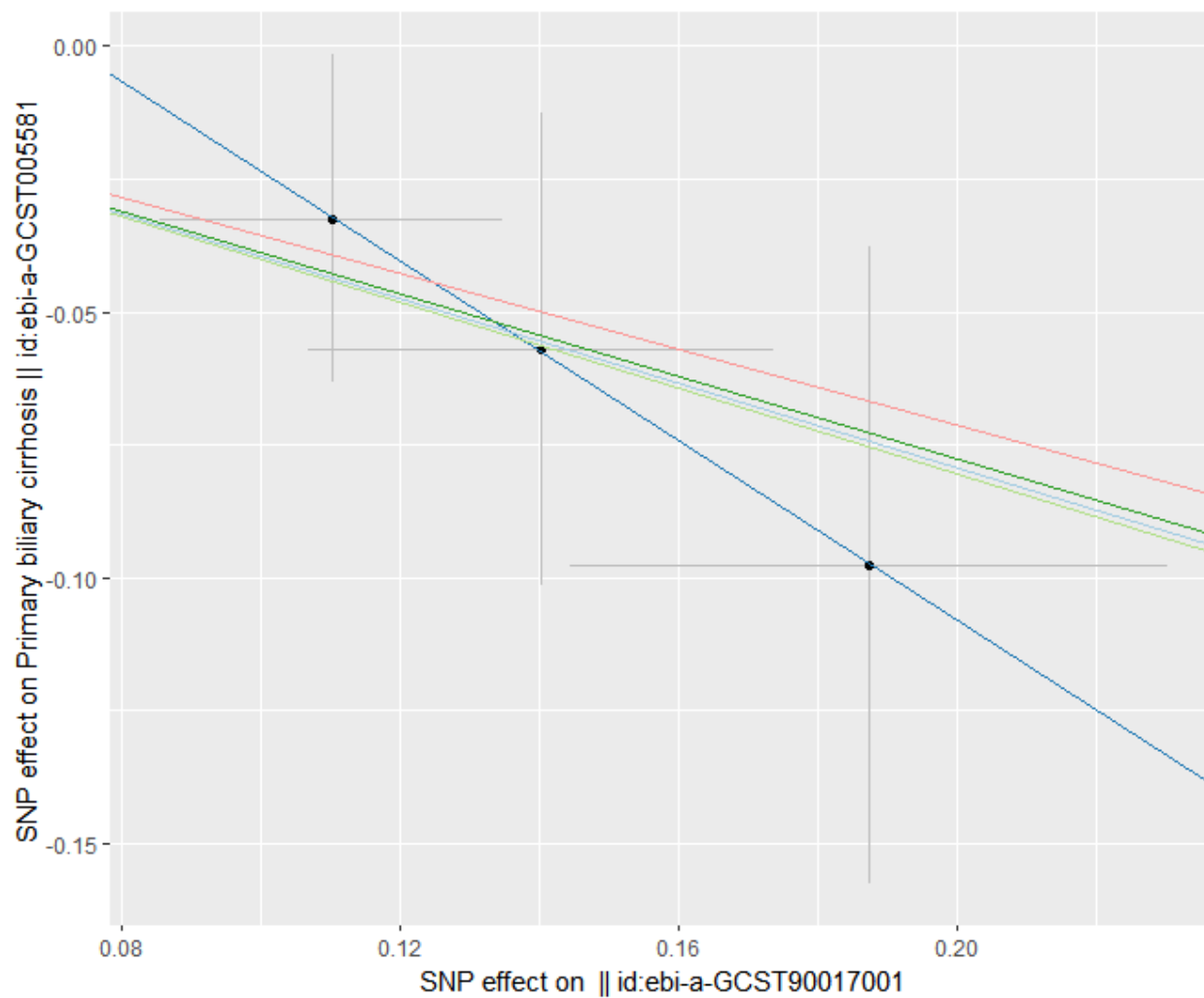
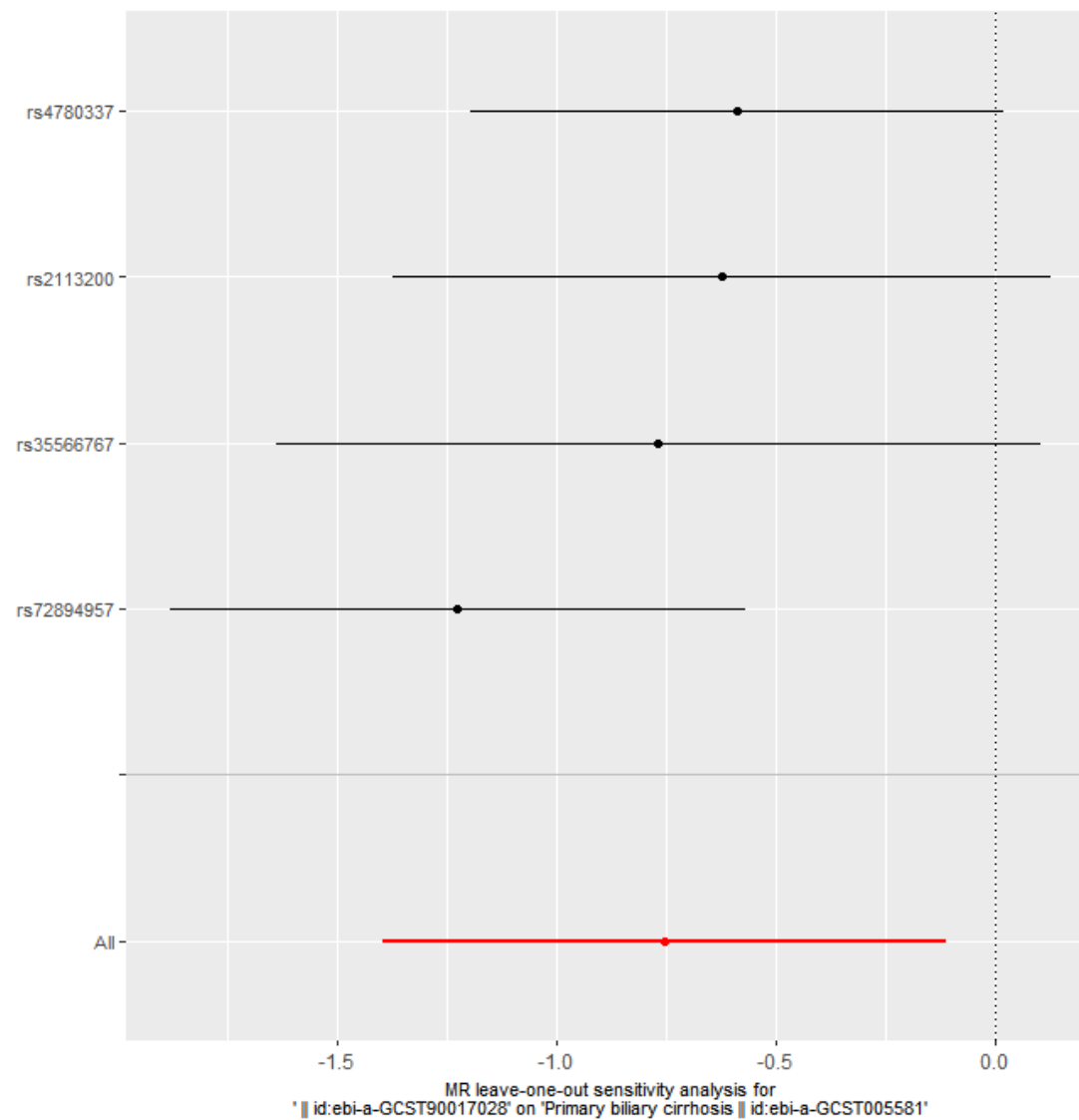
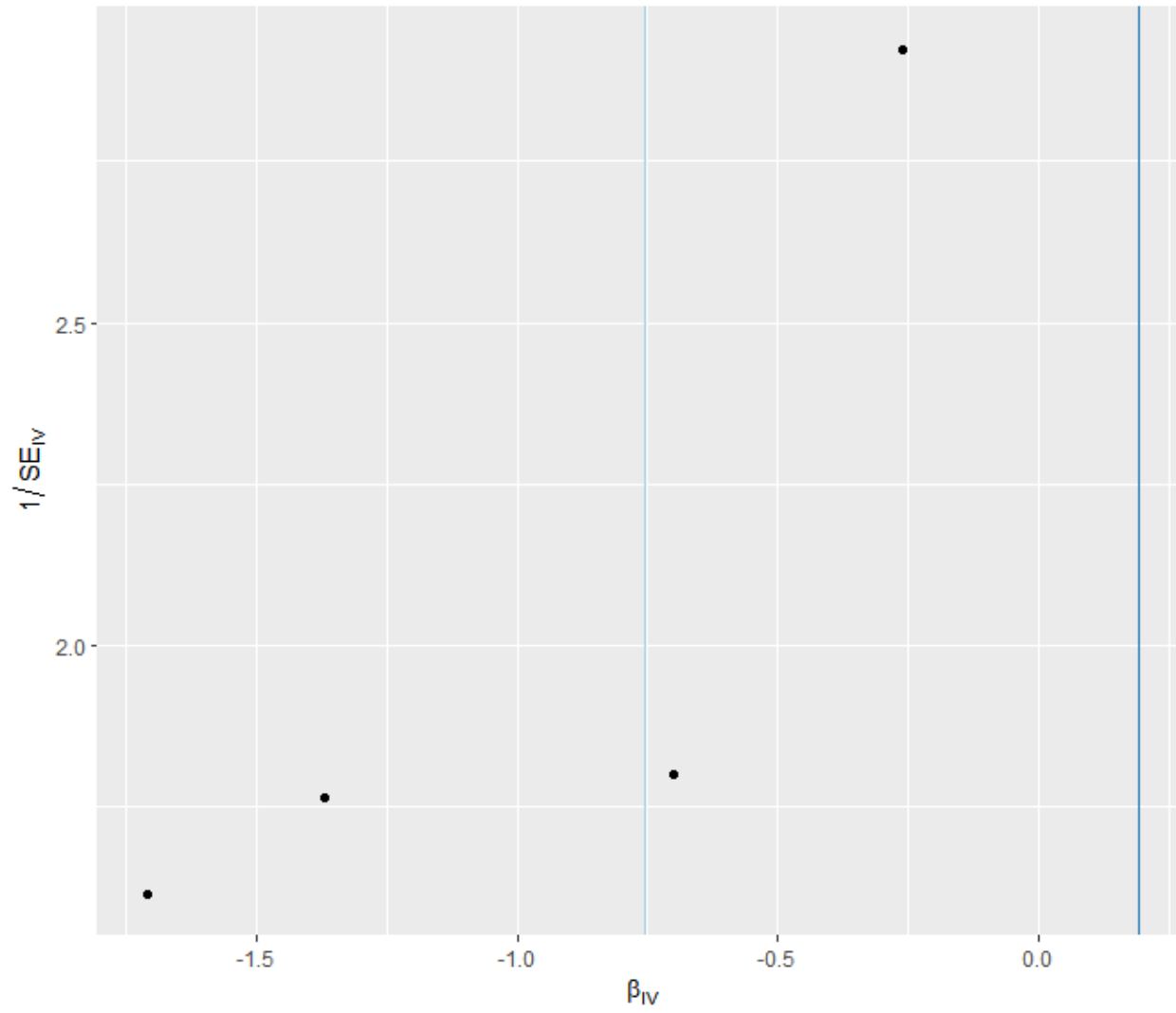


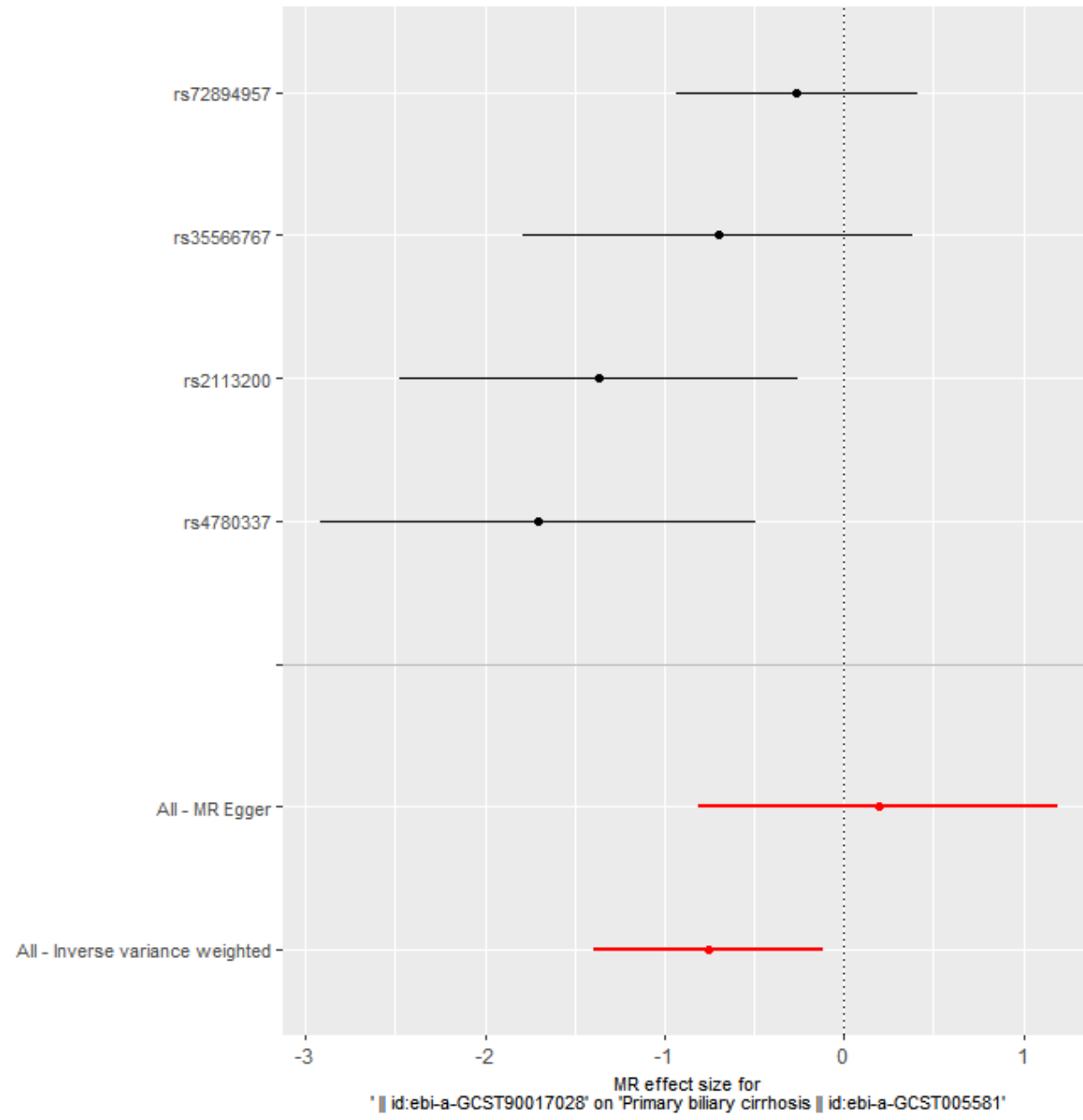
Figure 174 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Lachnospiraceae* UCG010 id.11330) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

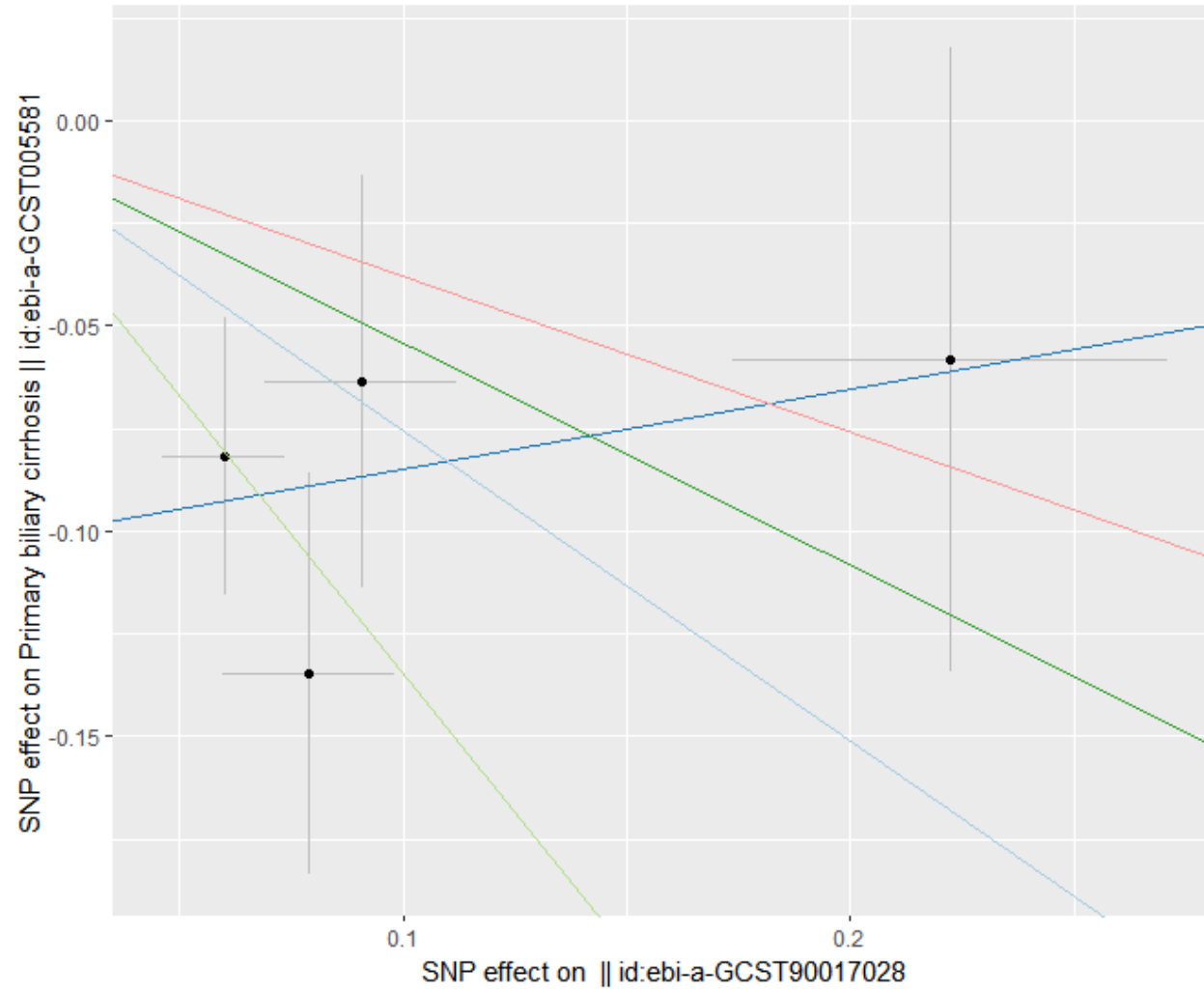
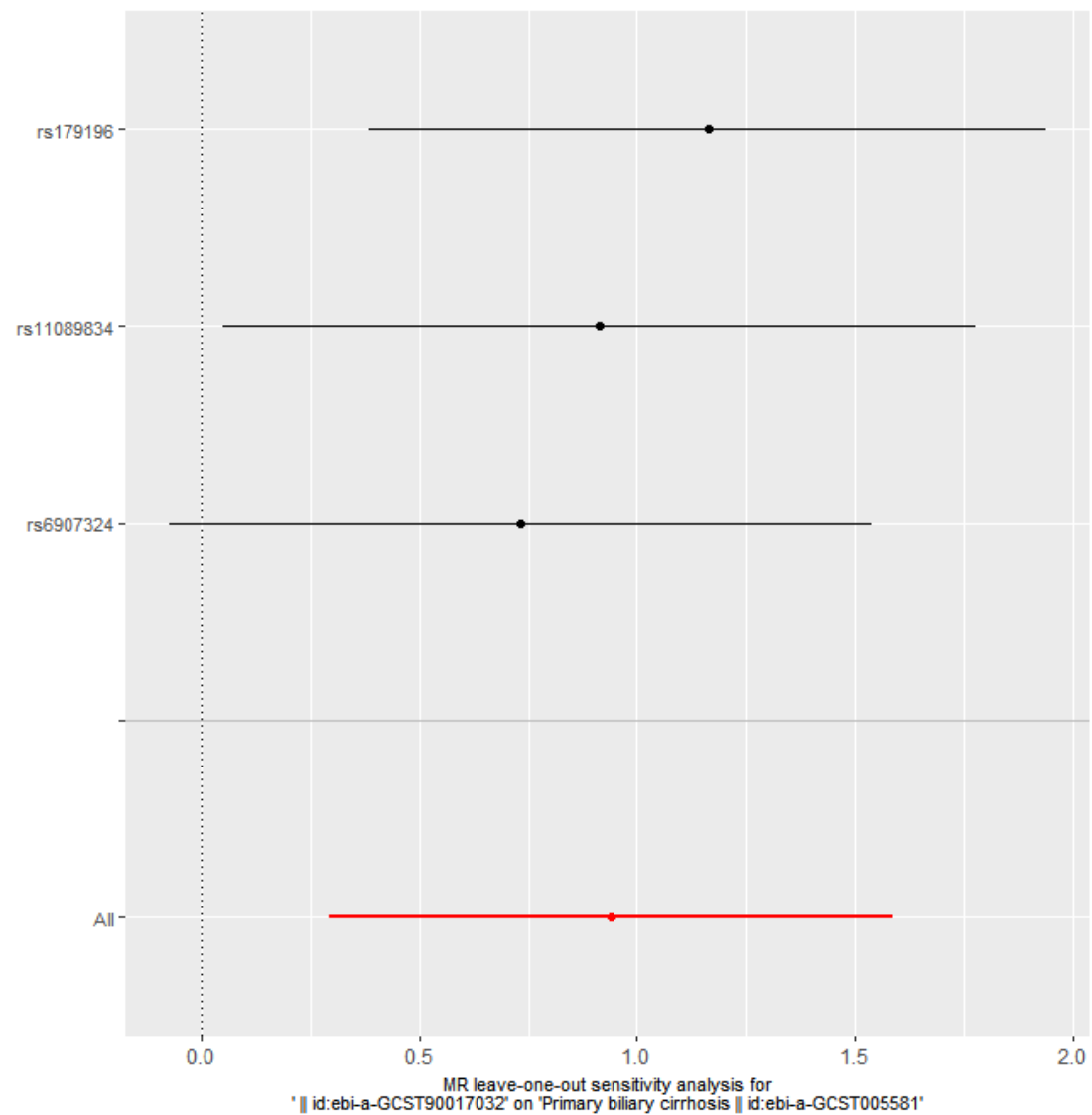
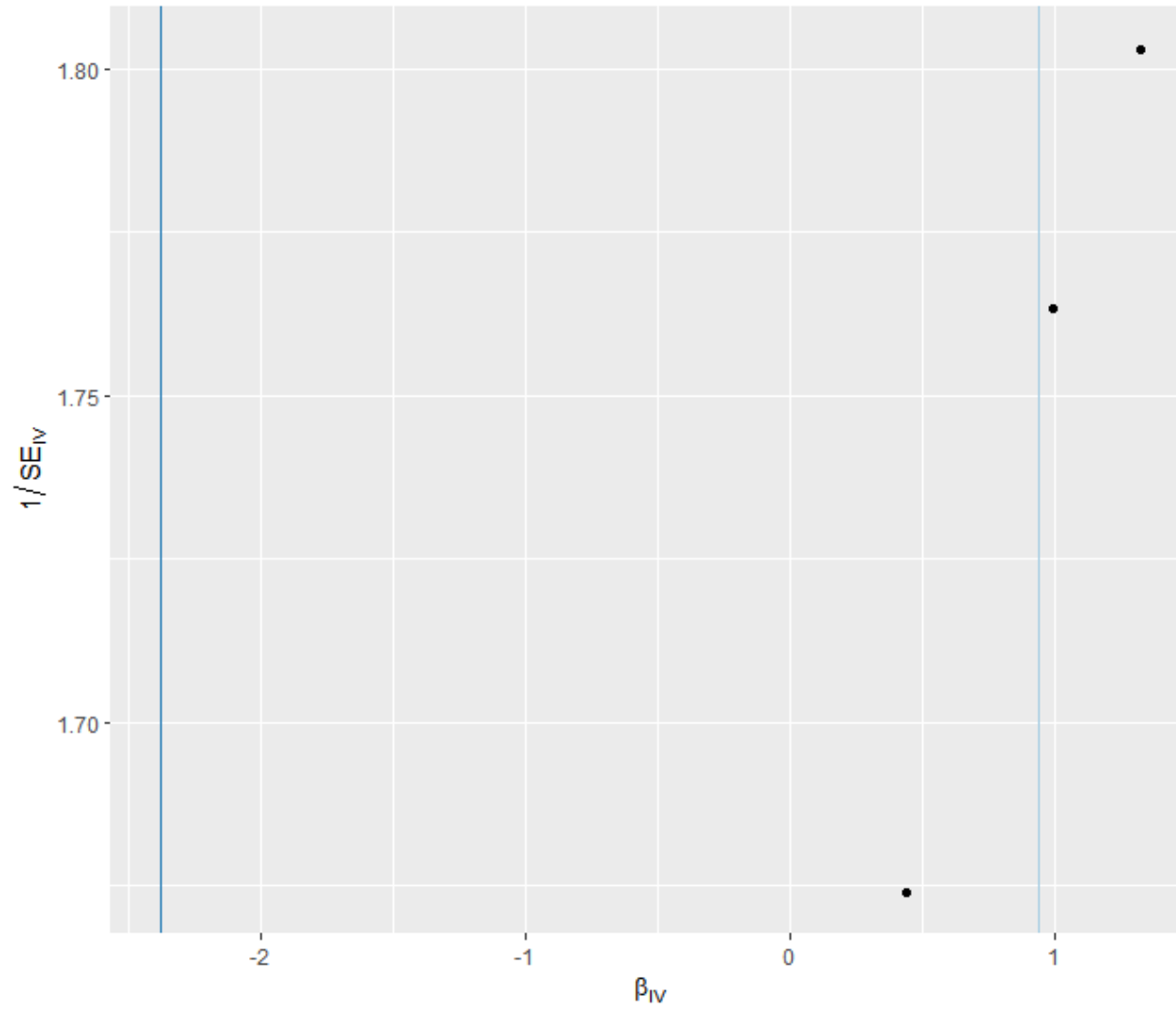


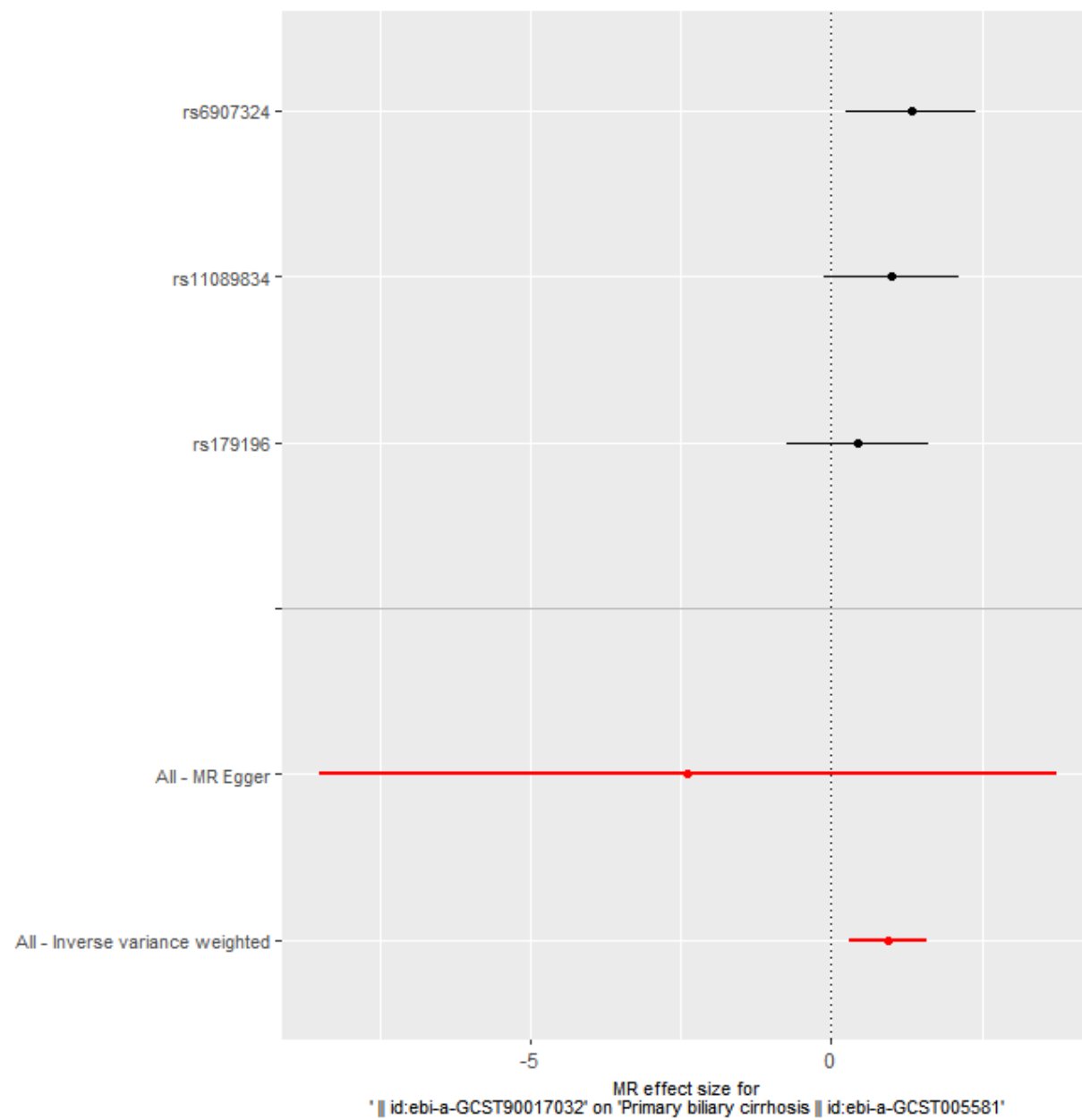
Figure 175 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Marvinbryantia id.2005) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

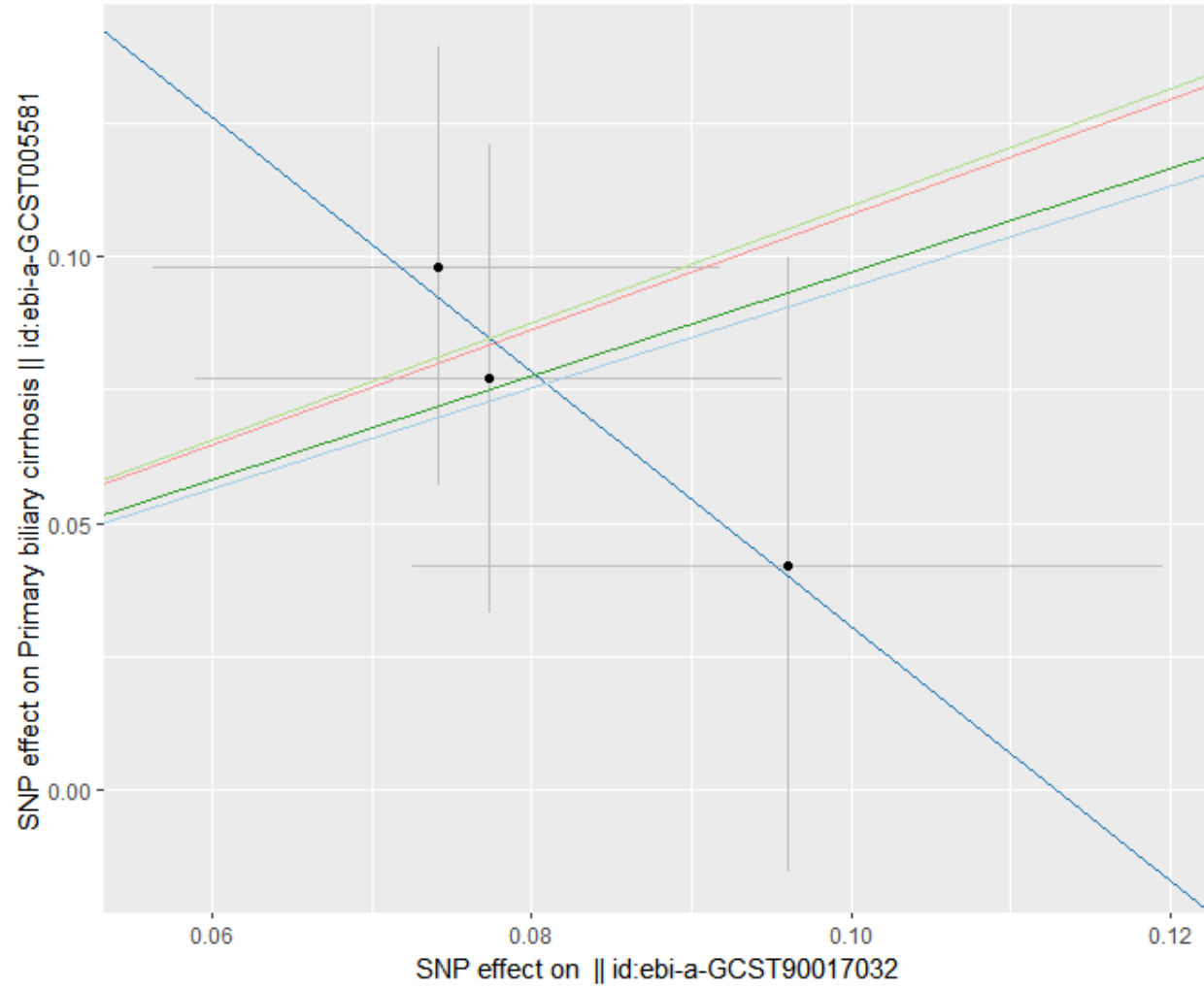
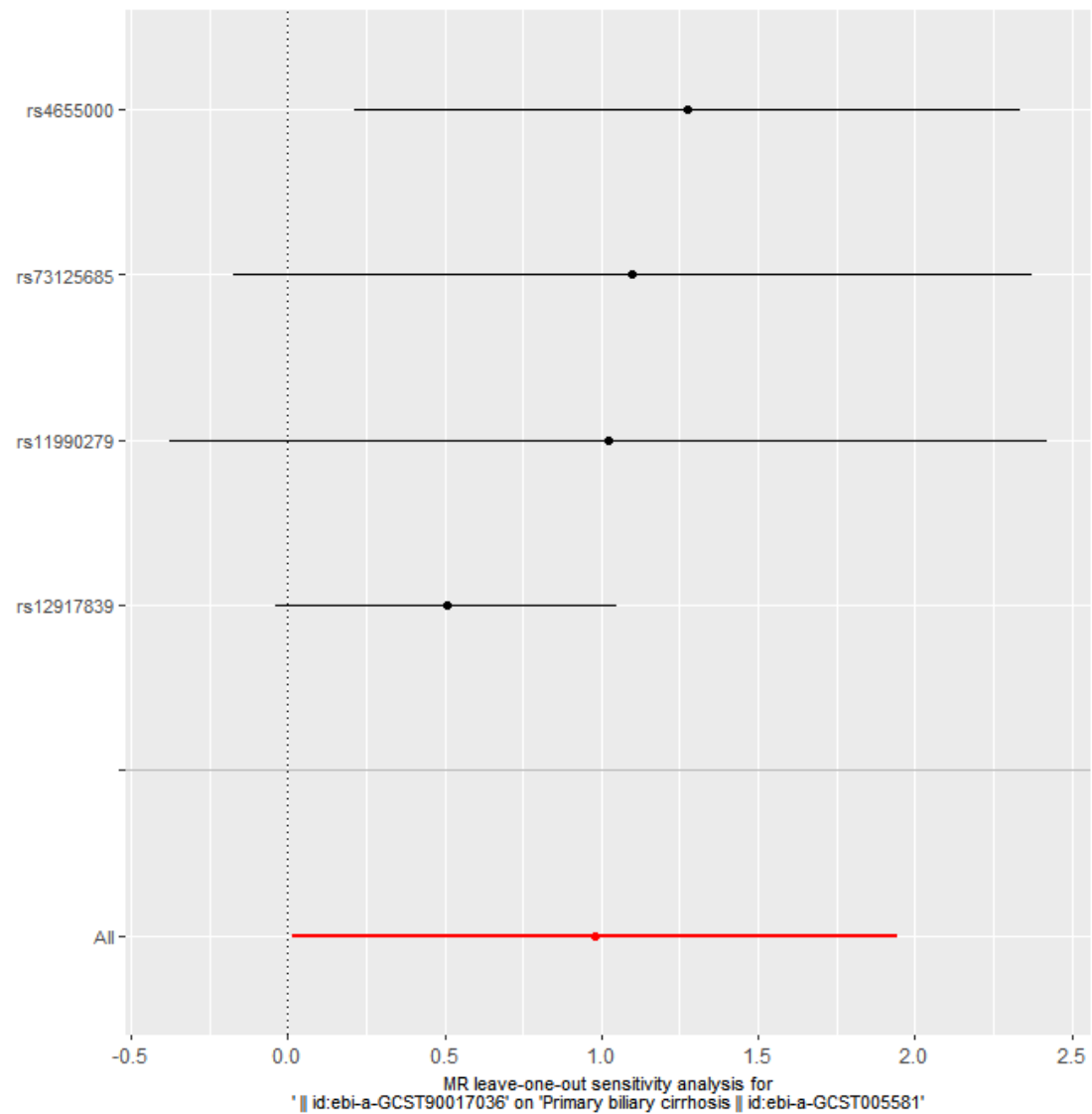
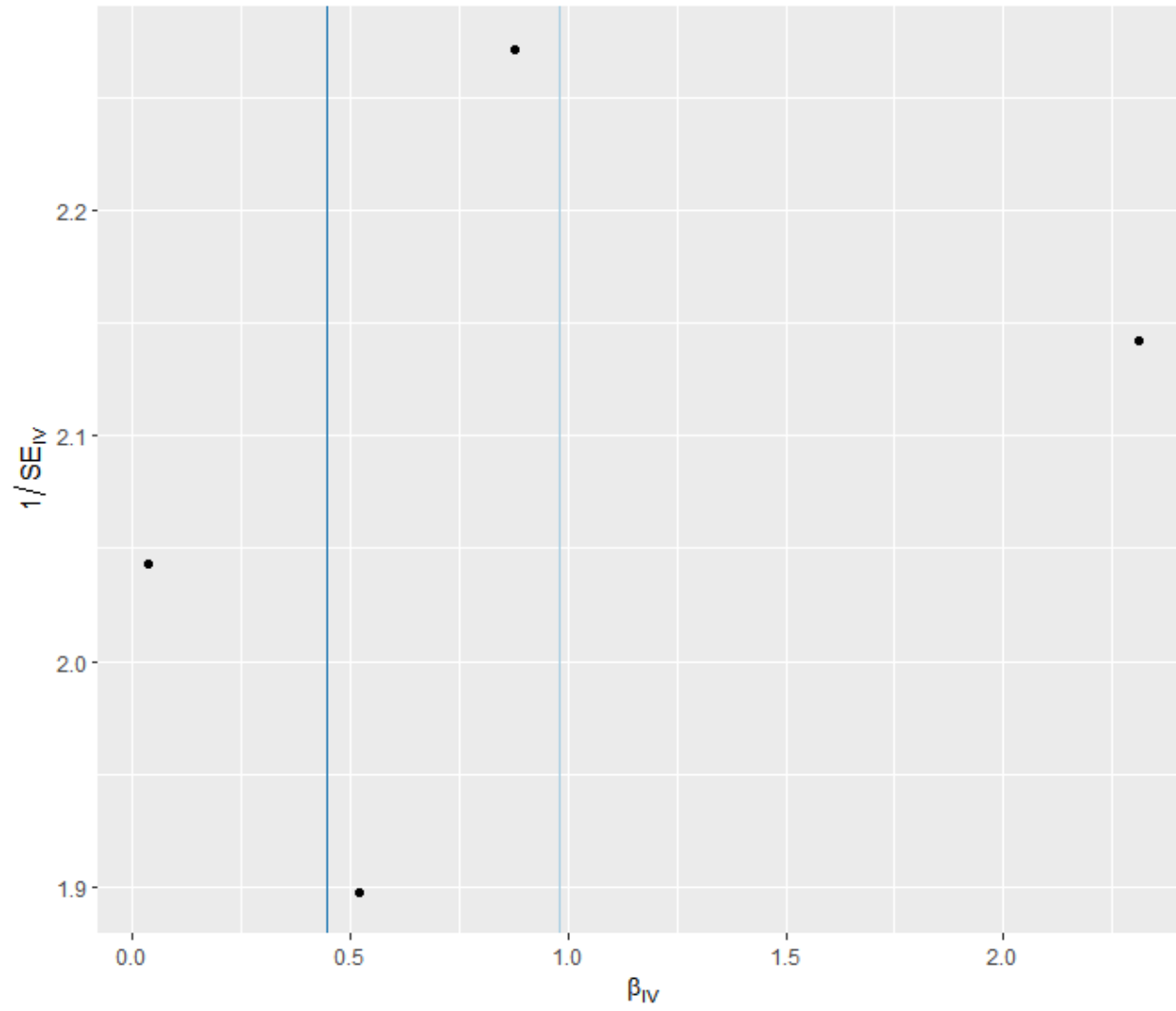


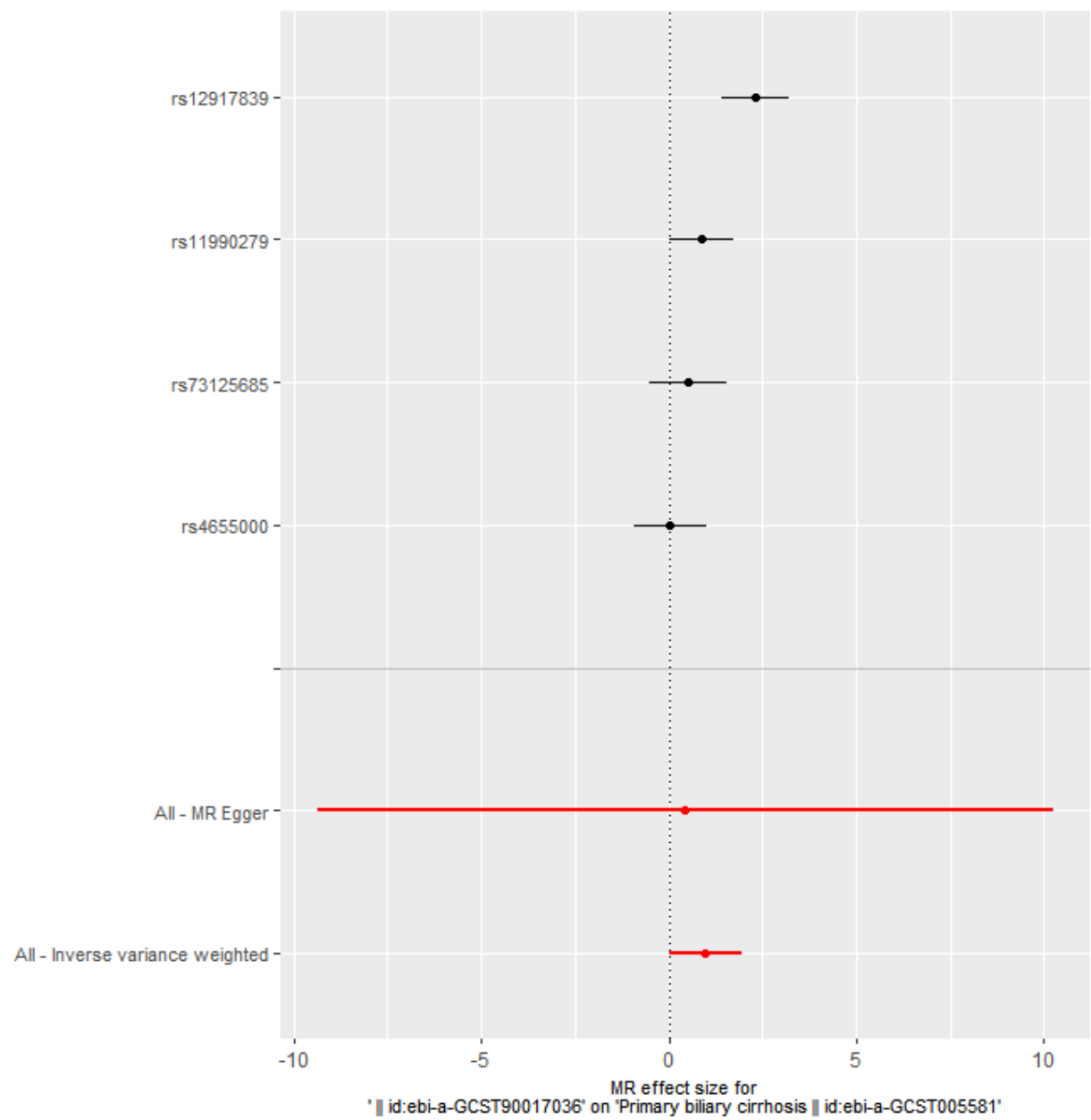
Figure 176 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Oscillibacter* id.2063) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

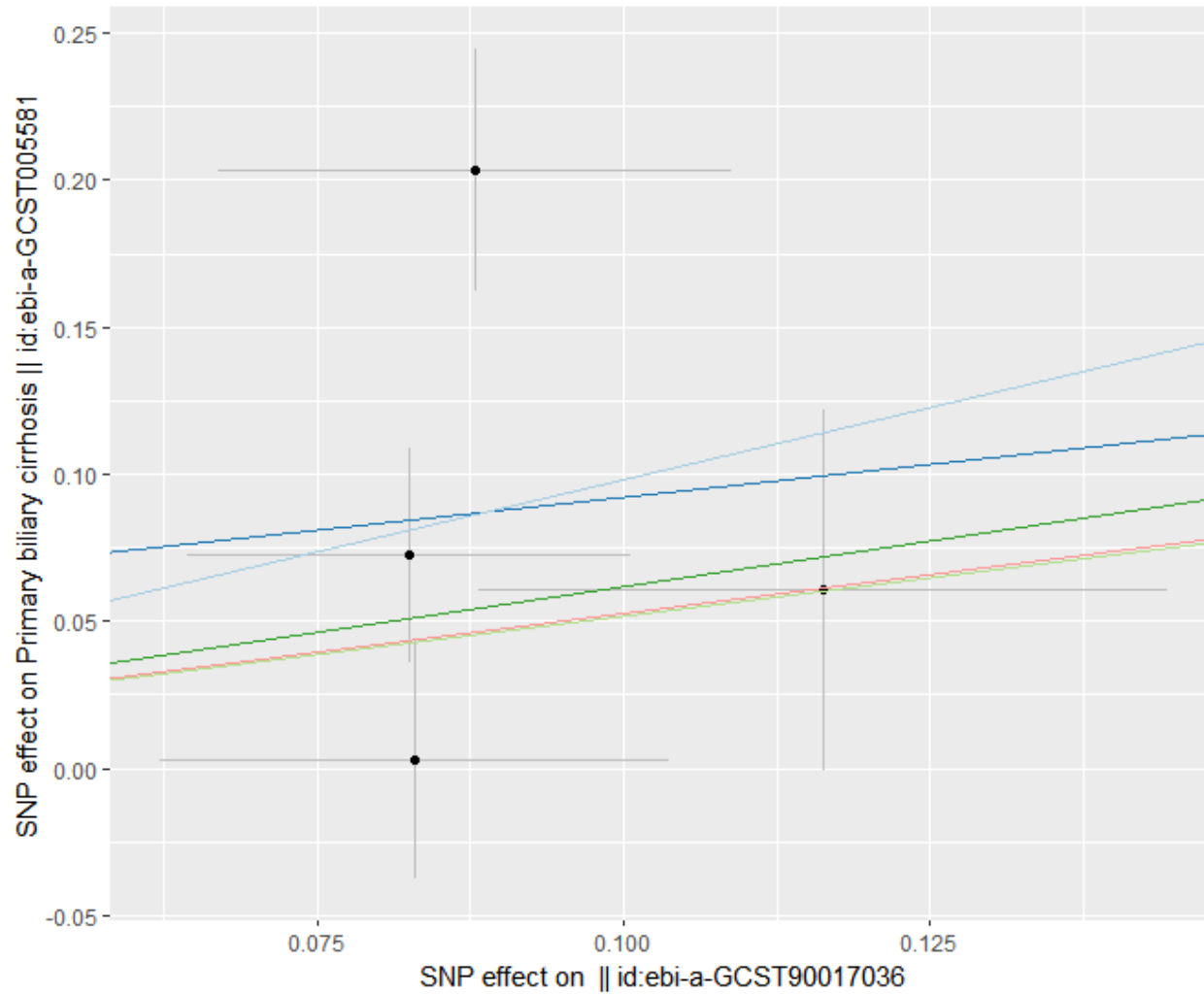
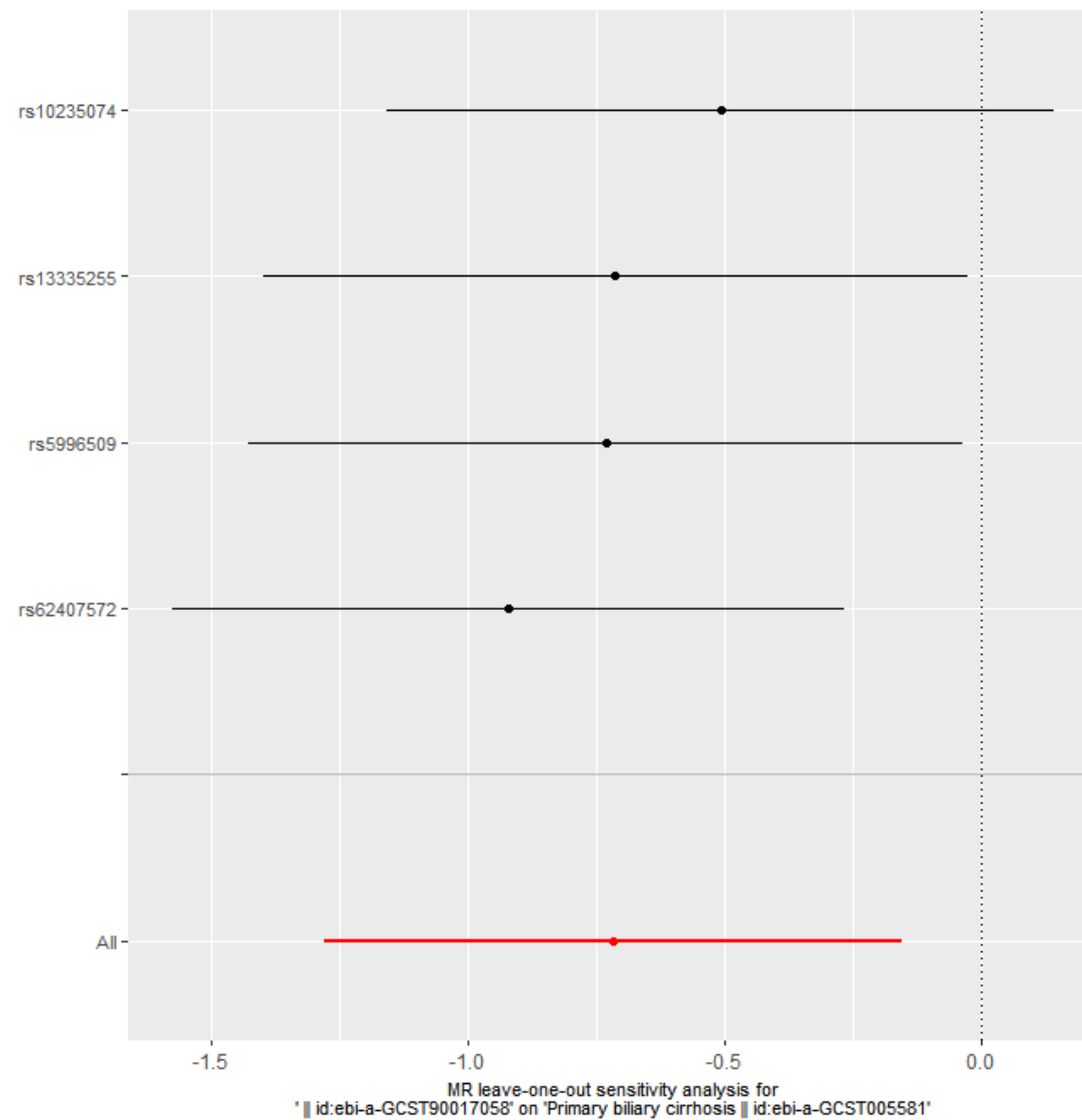
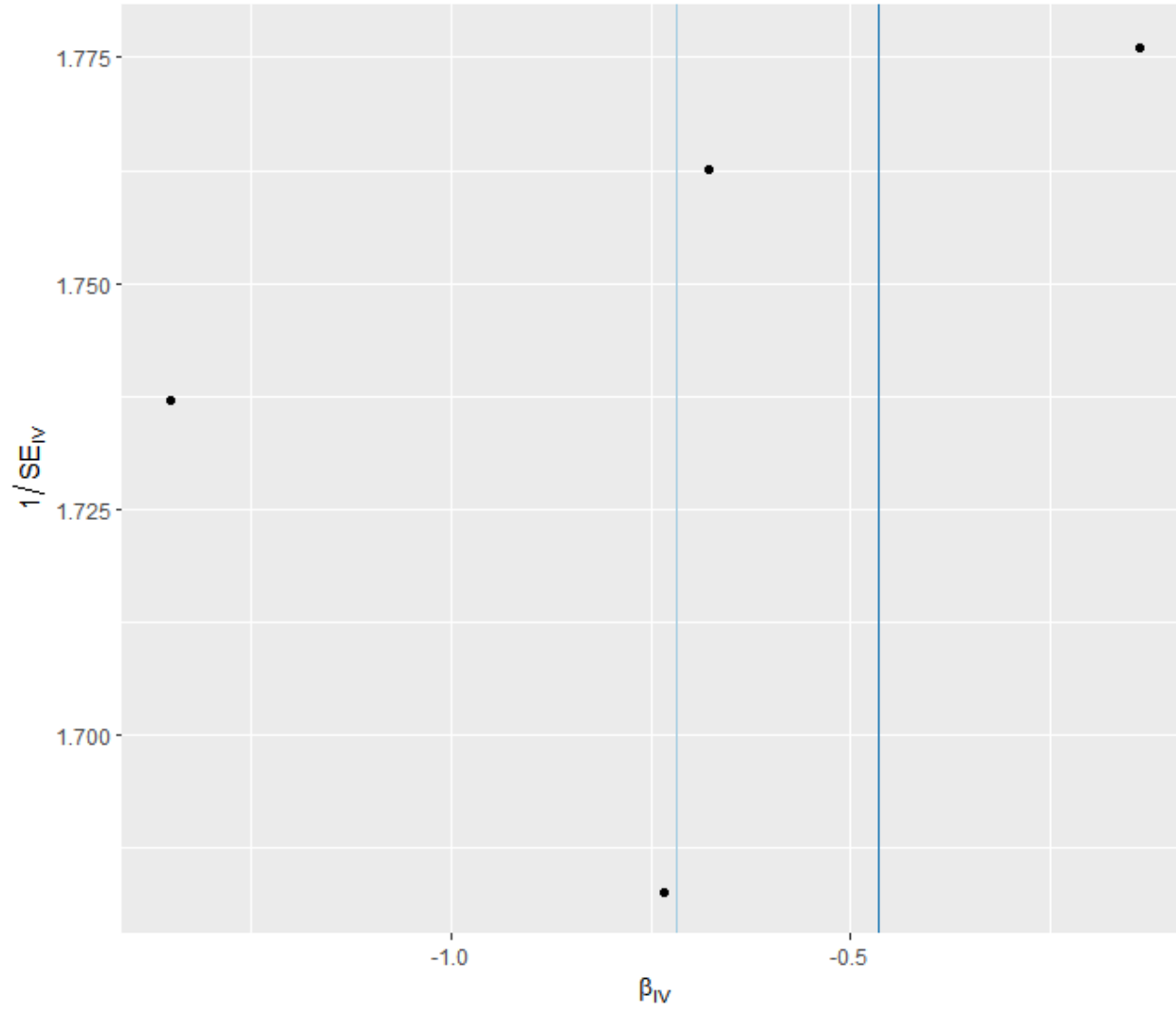


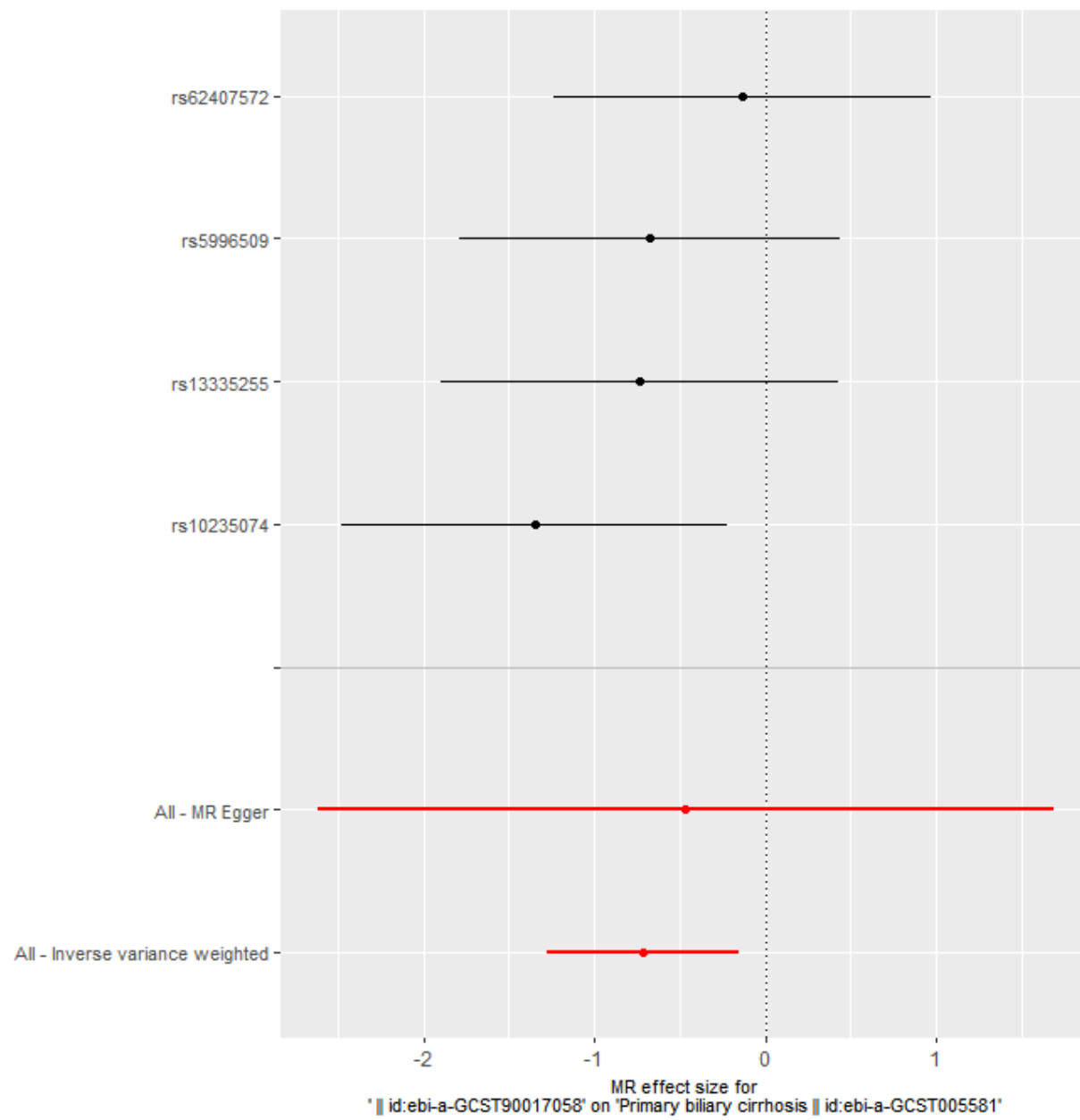
Figure 177 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

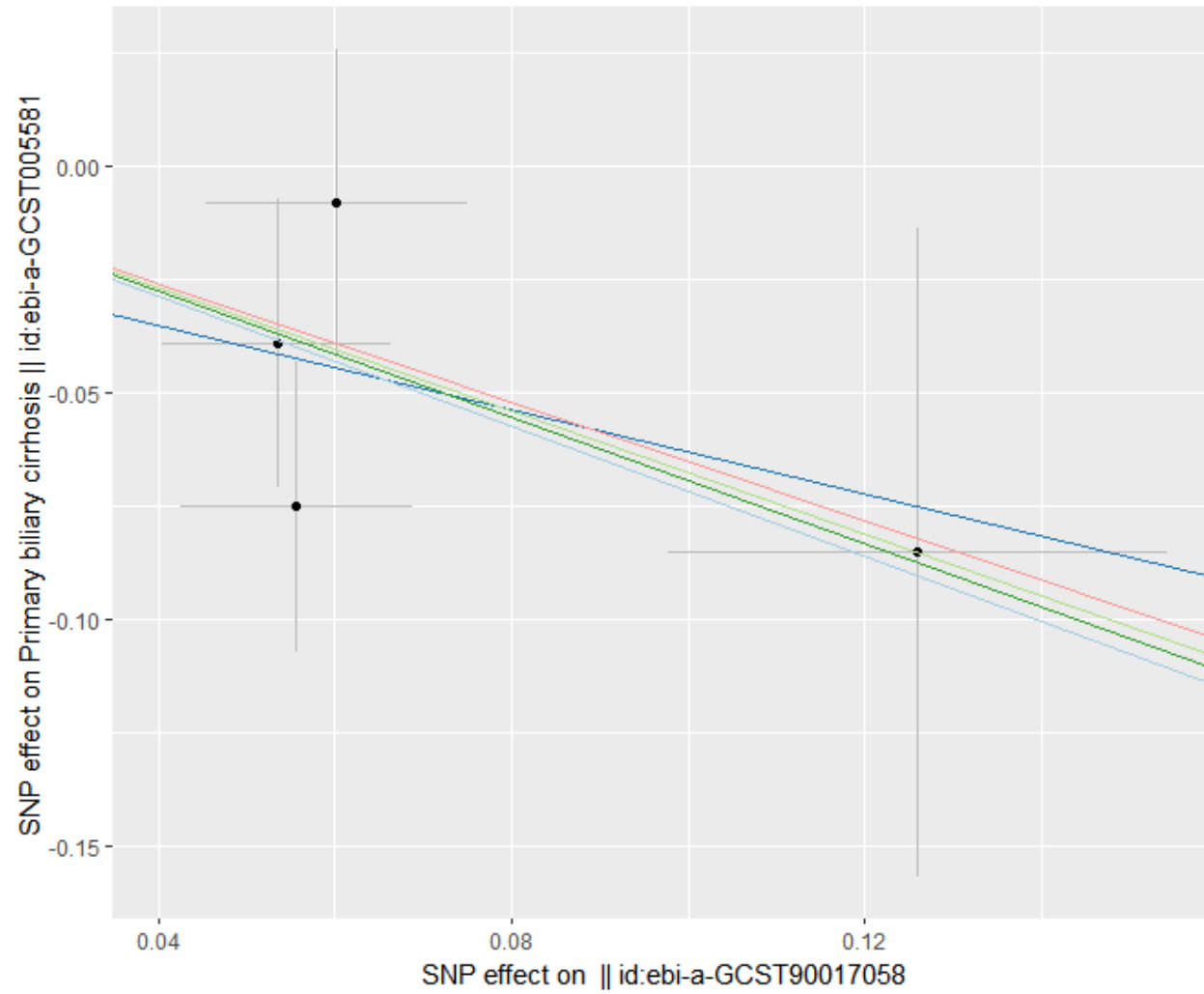
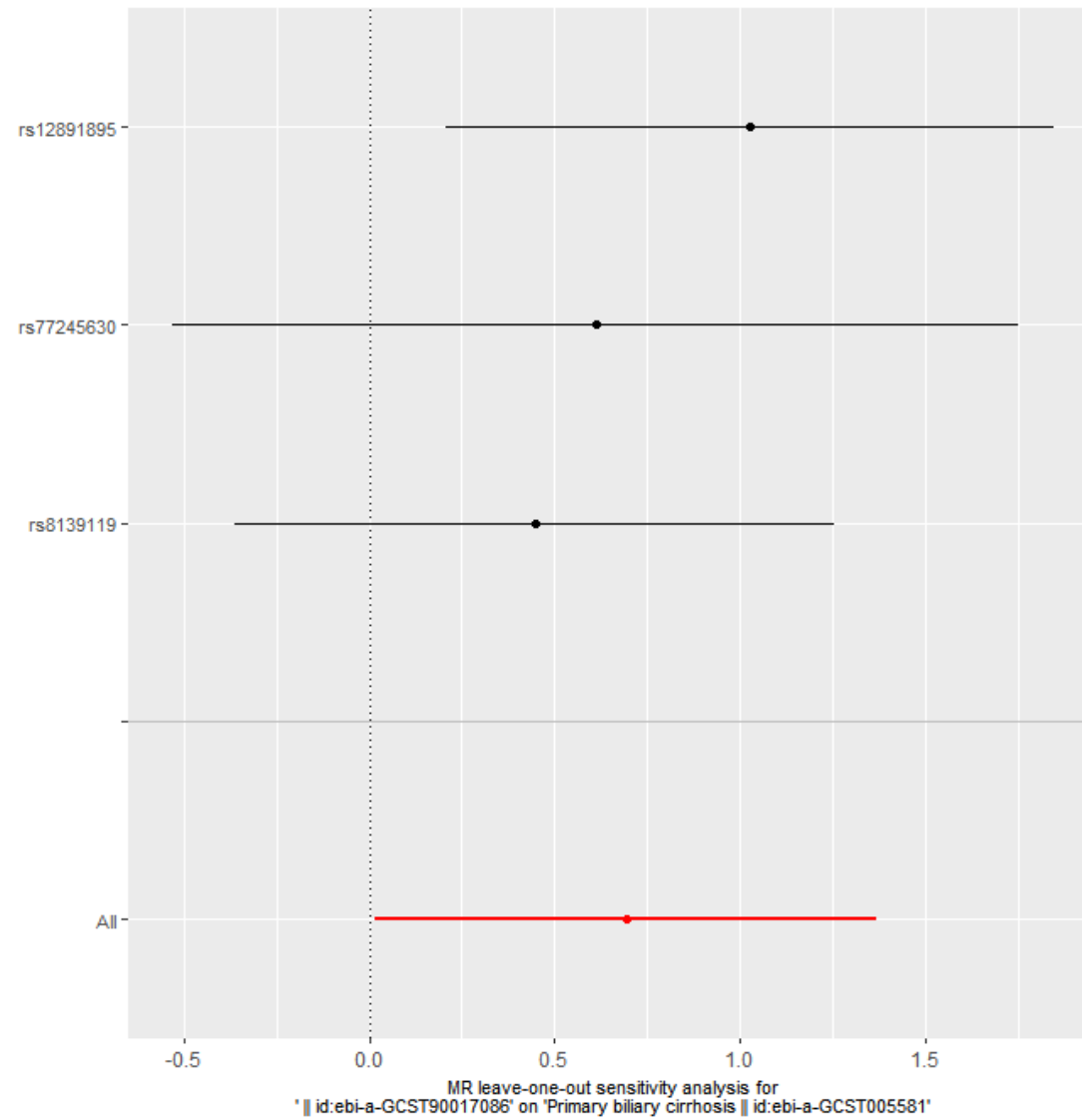
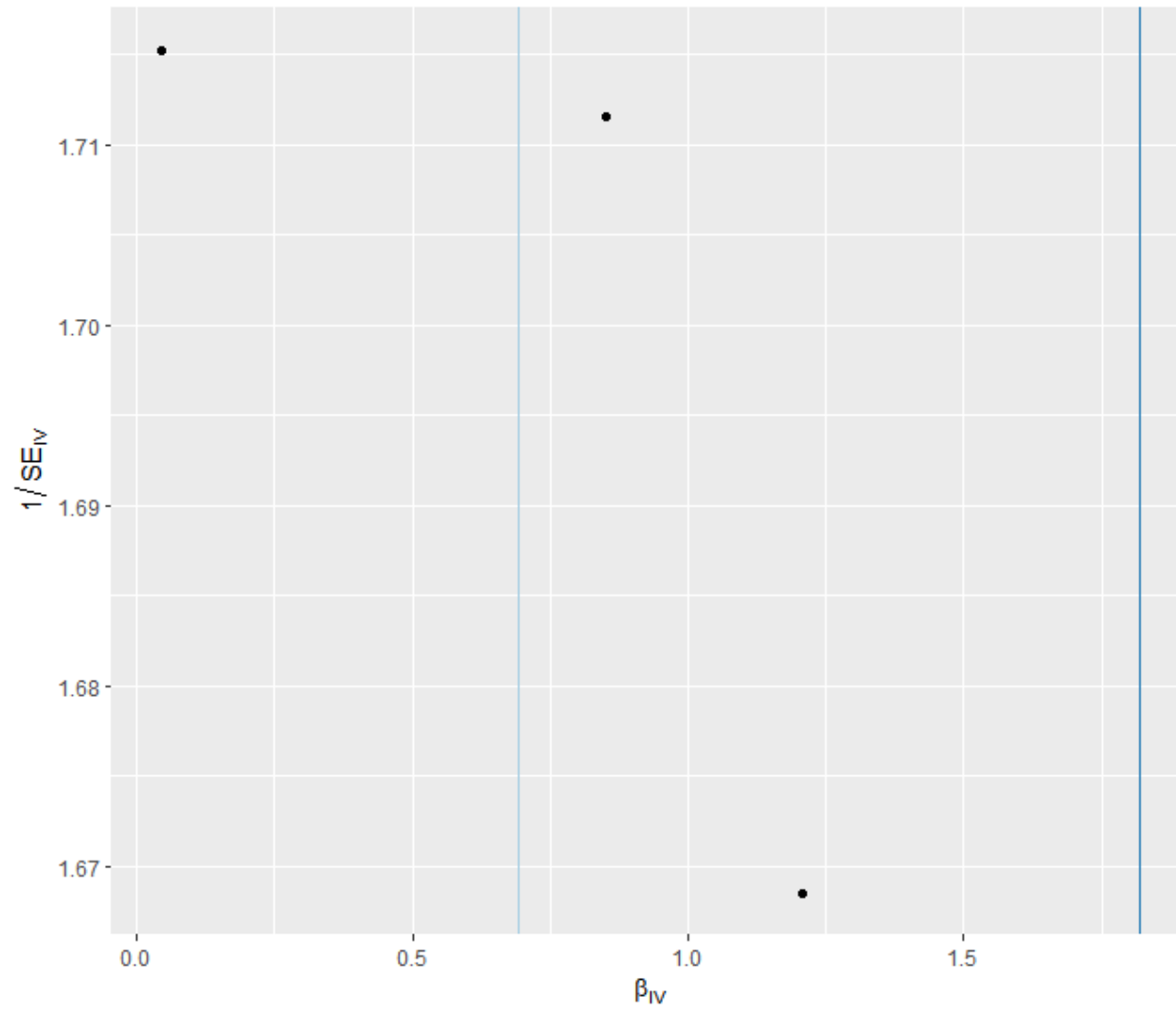


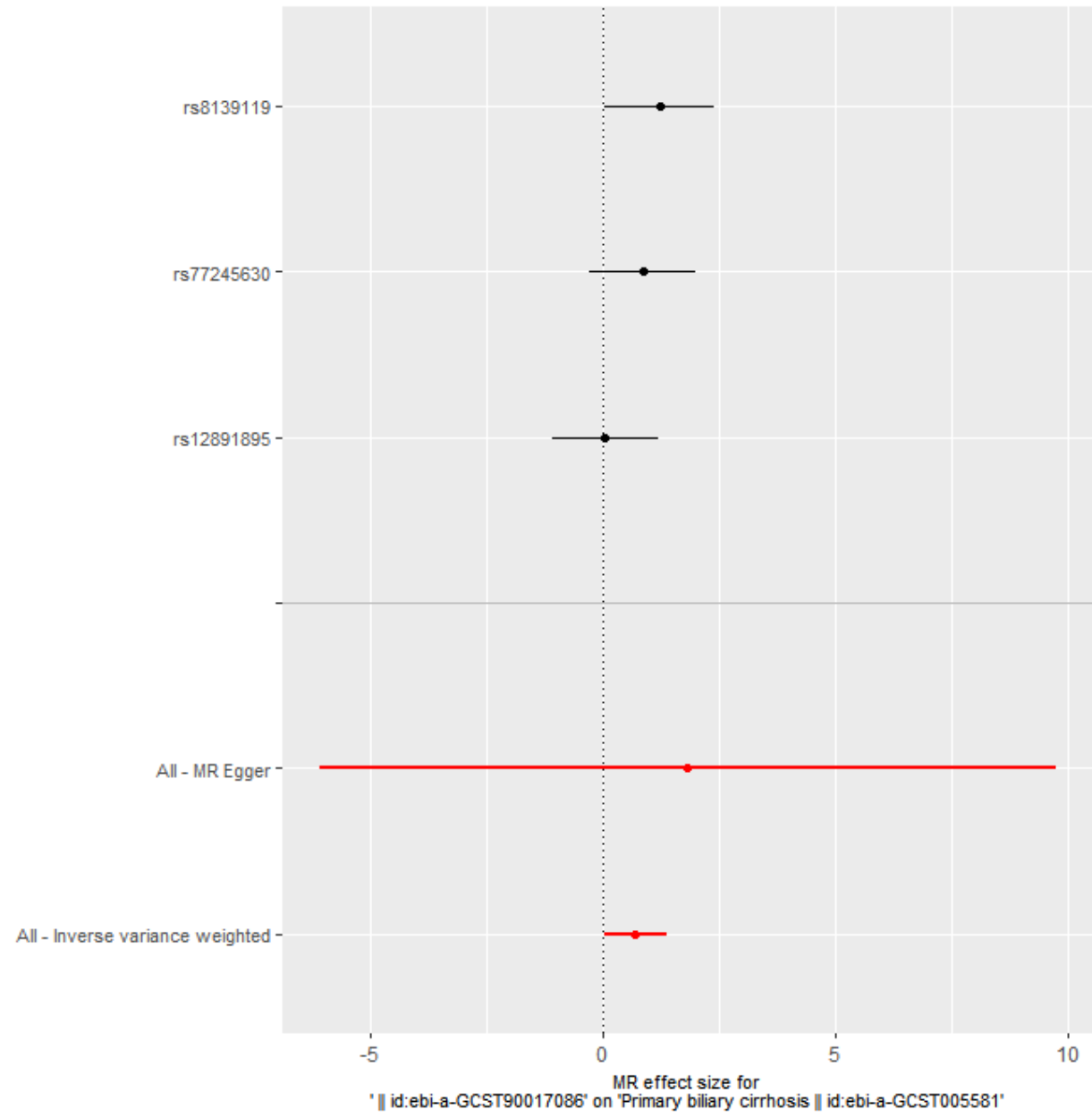
Figure 178 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (unknown genus id.826) on primary biliary cirrhosis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

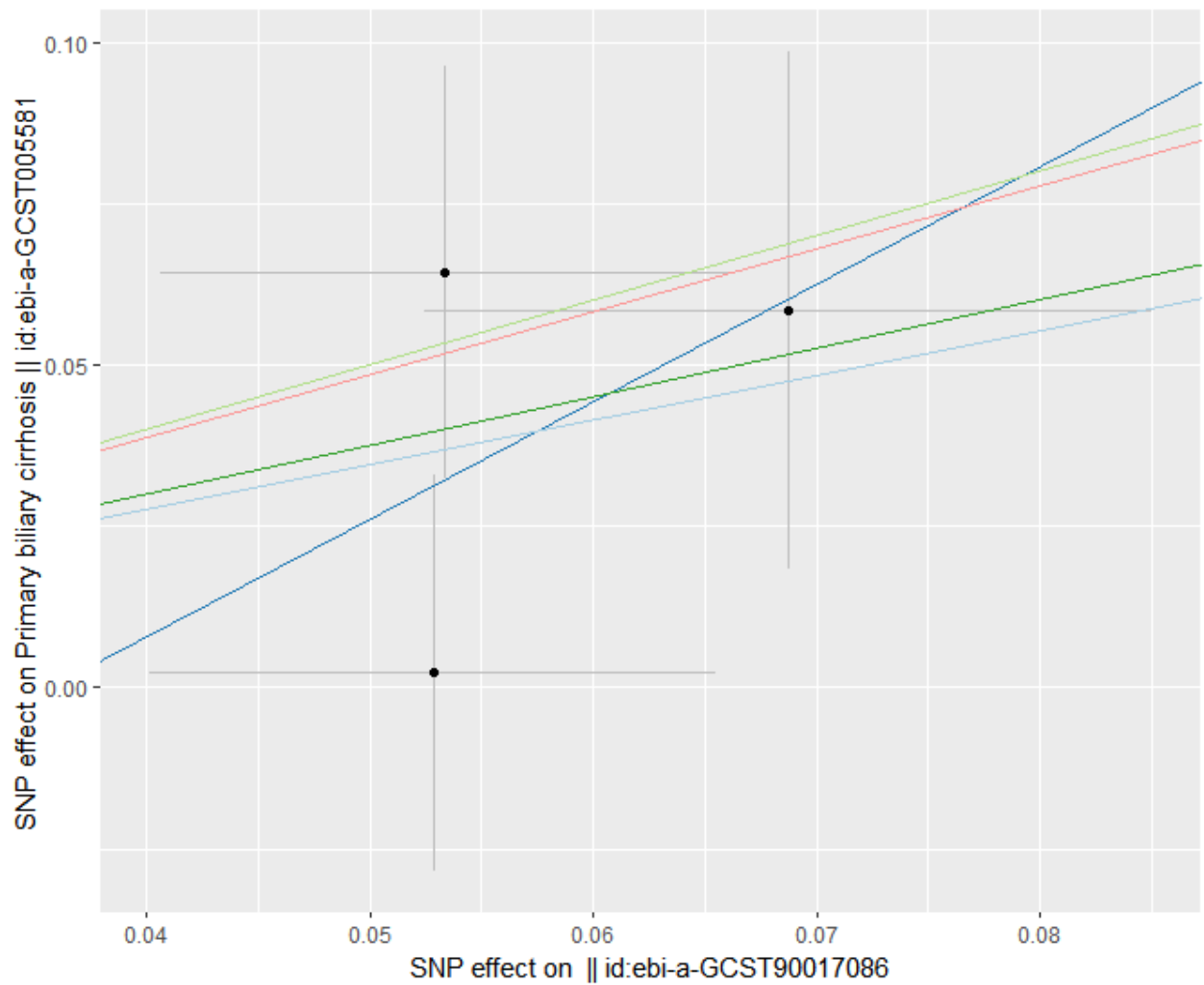
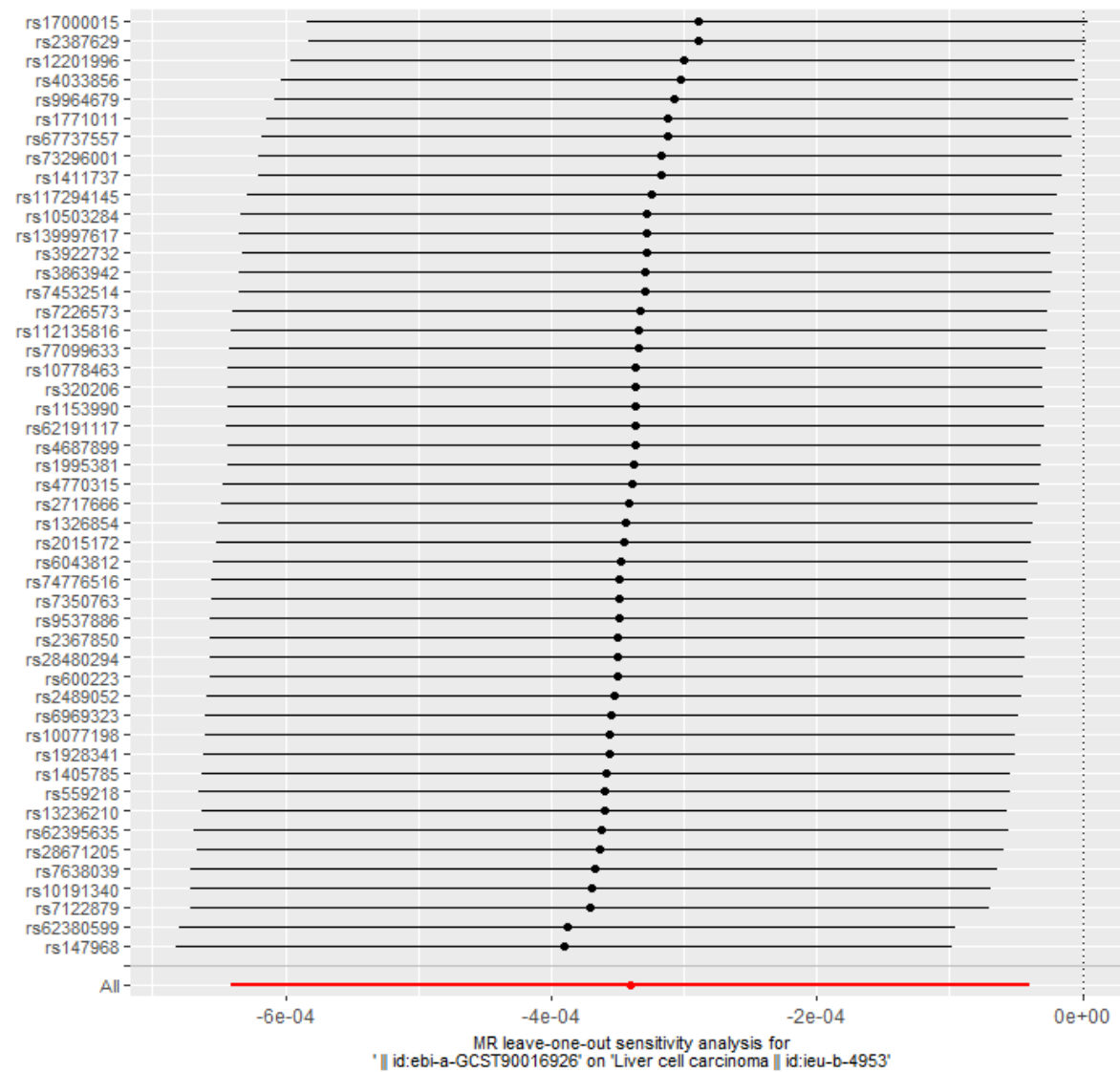
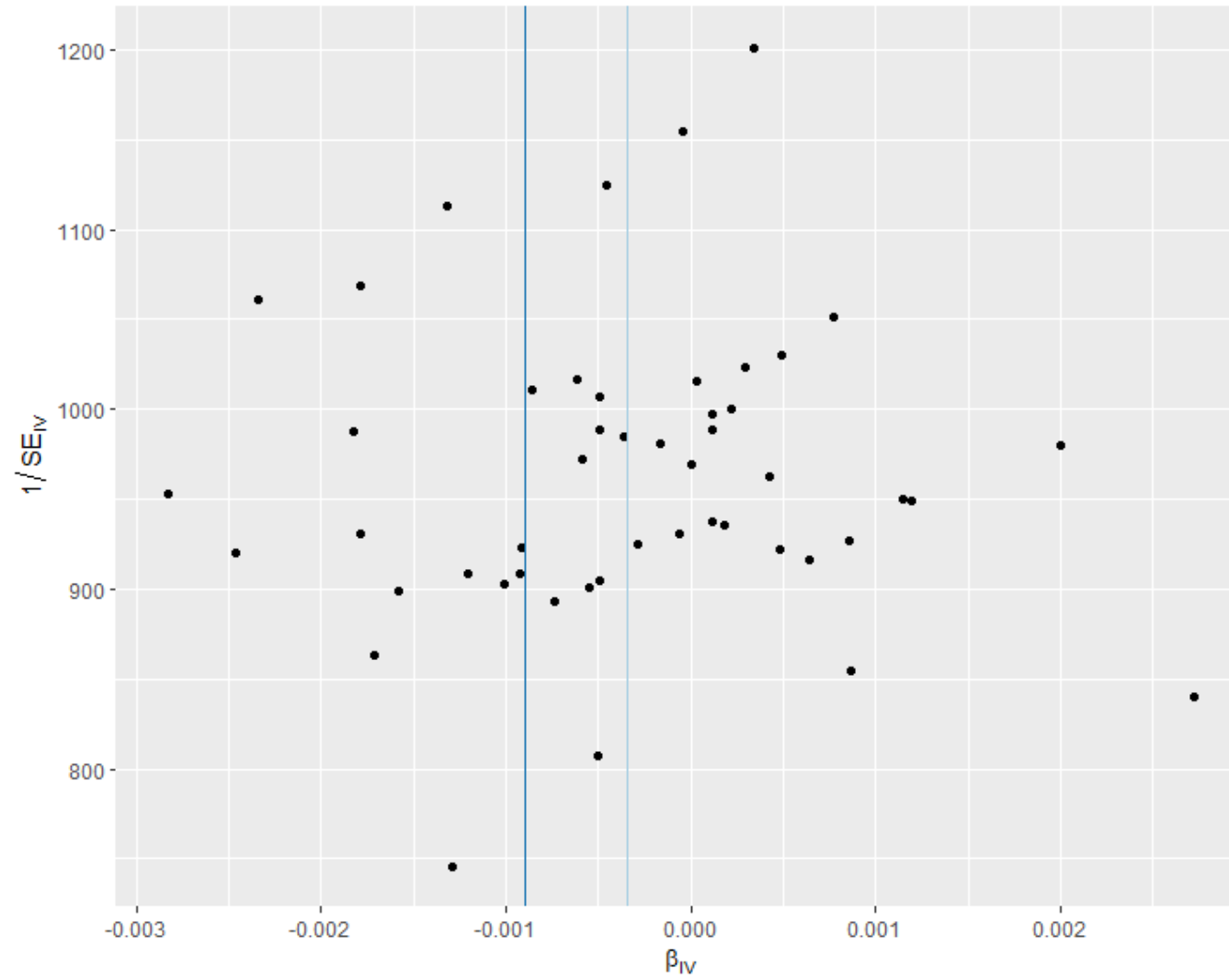


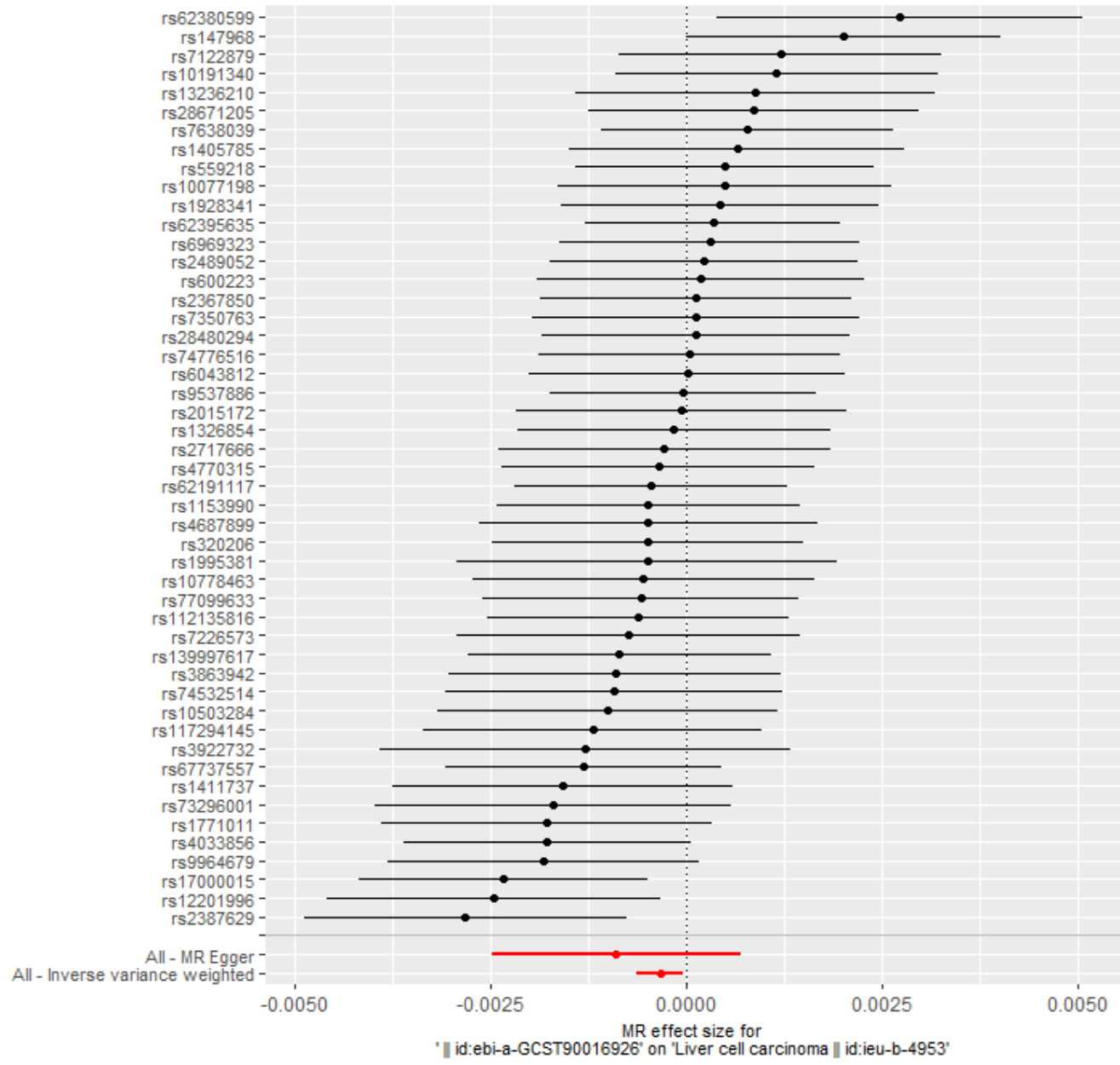
Figure 179 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Alcaligenaceae id.2875) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

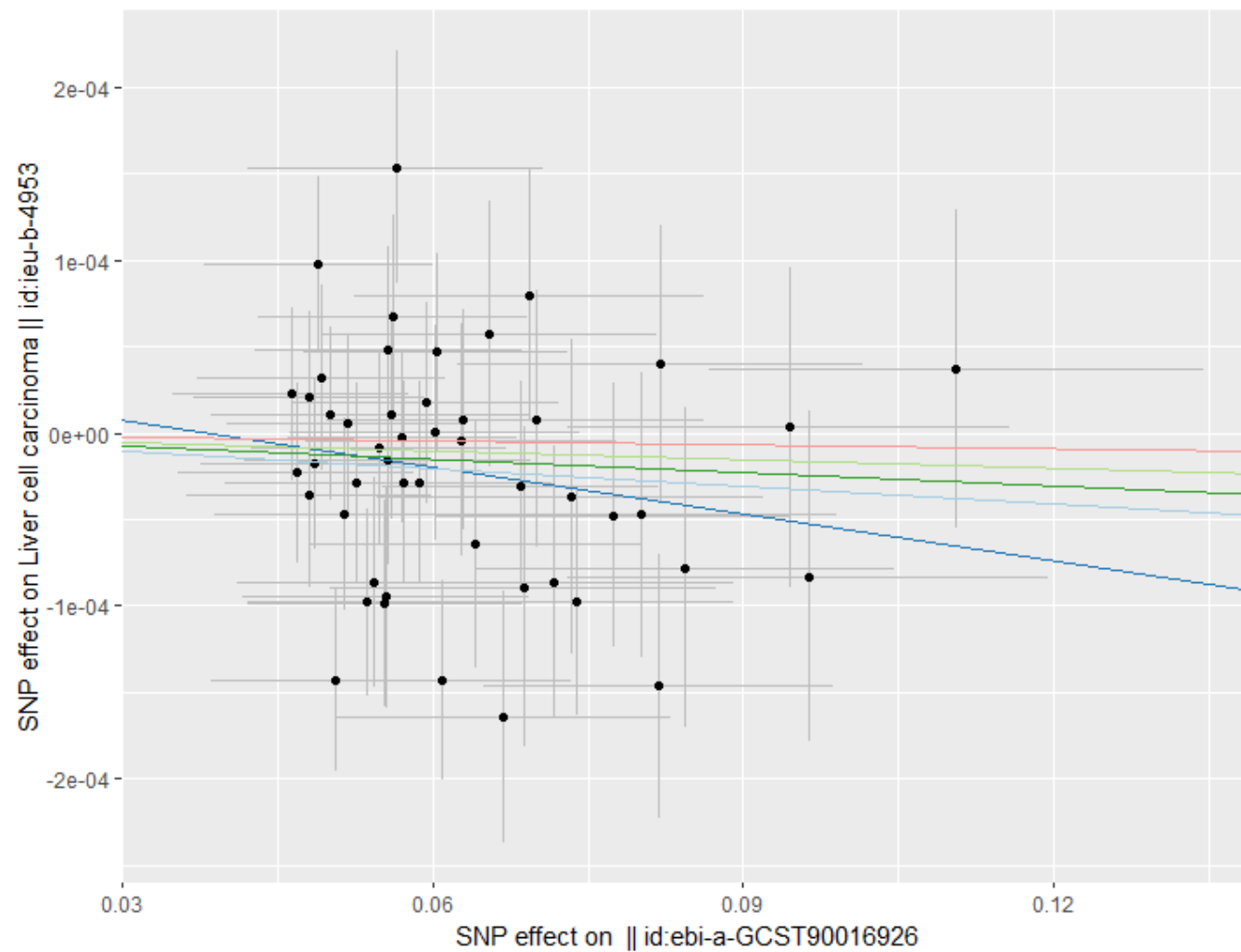
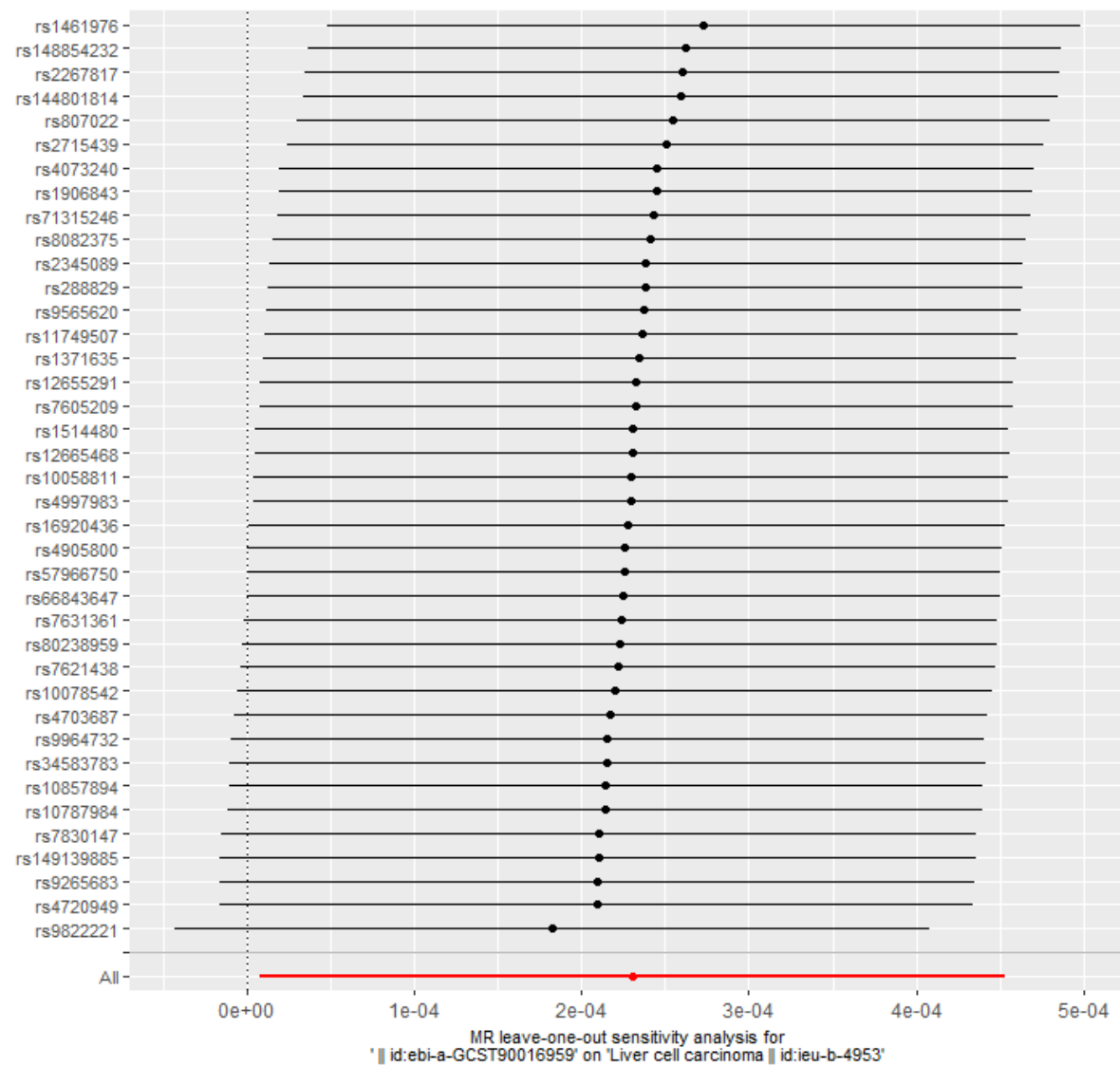
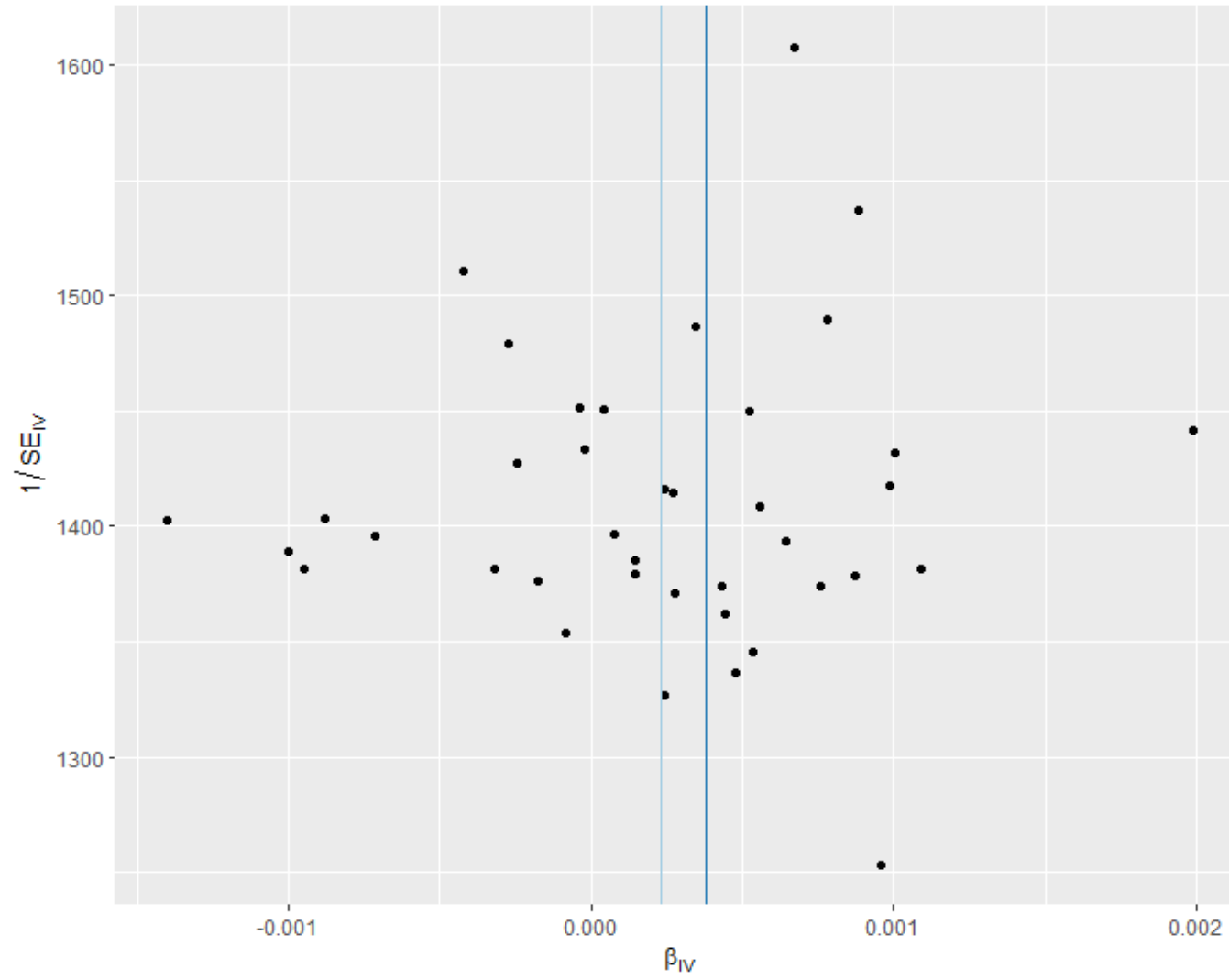


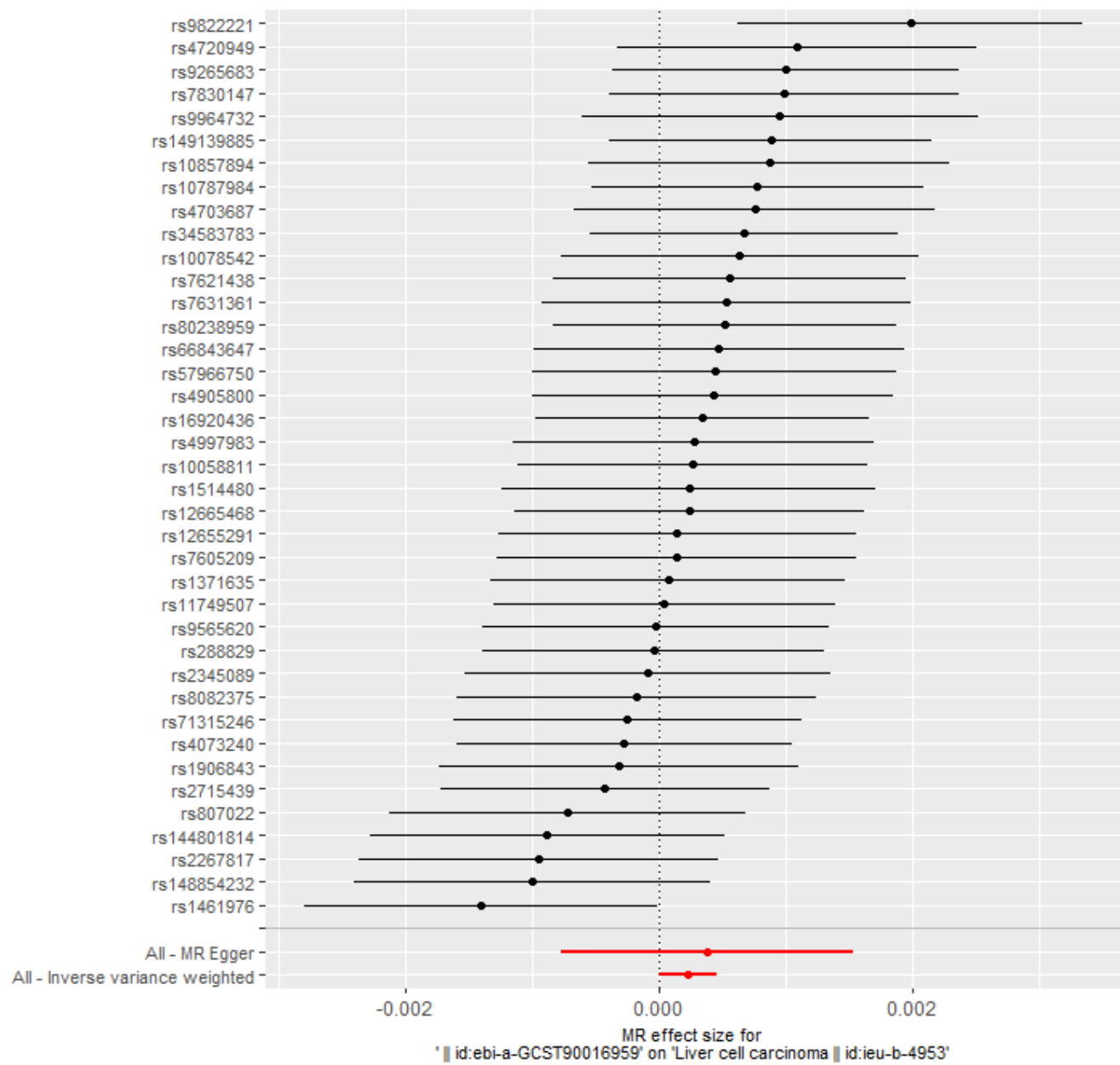
Figure 180 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Actinomyces id.423) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

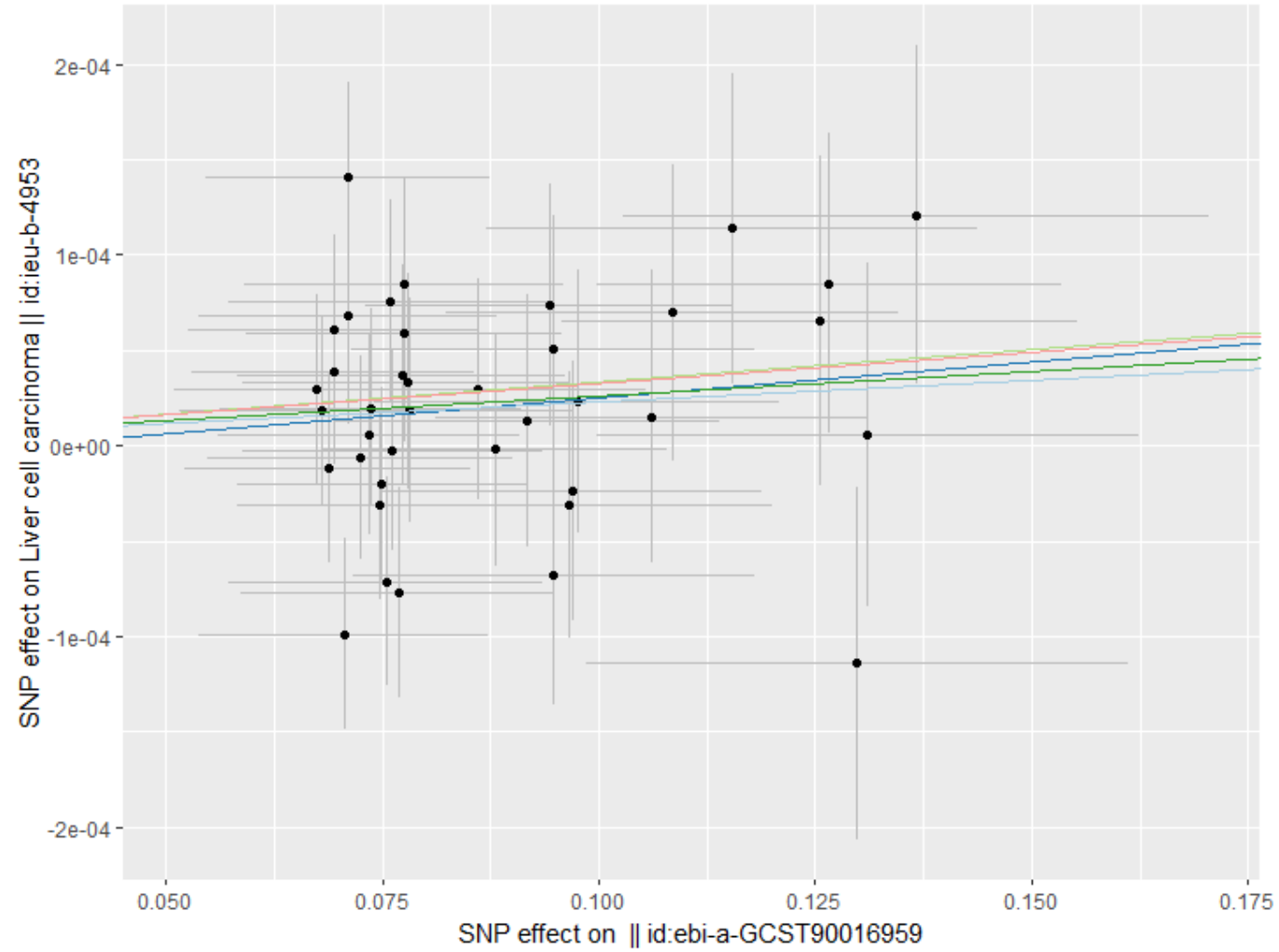
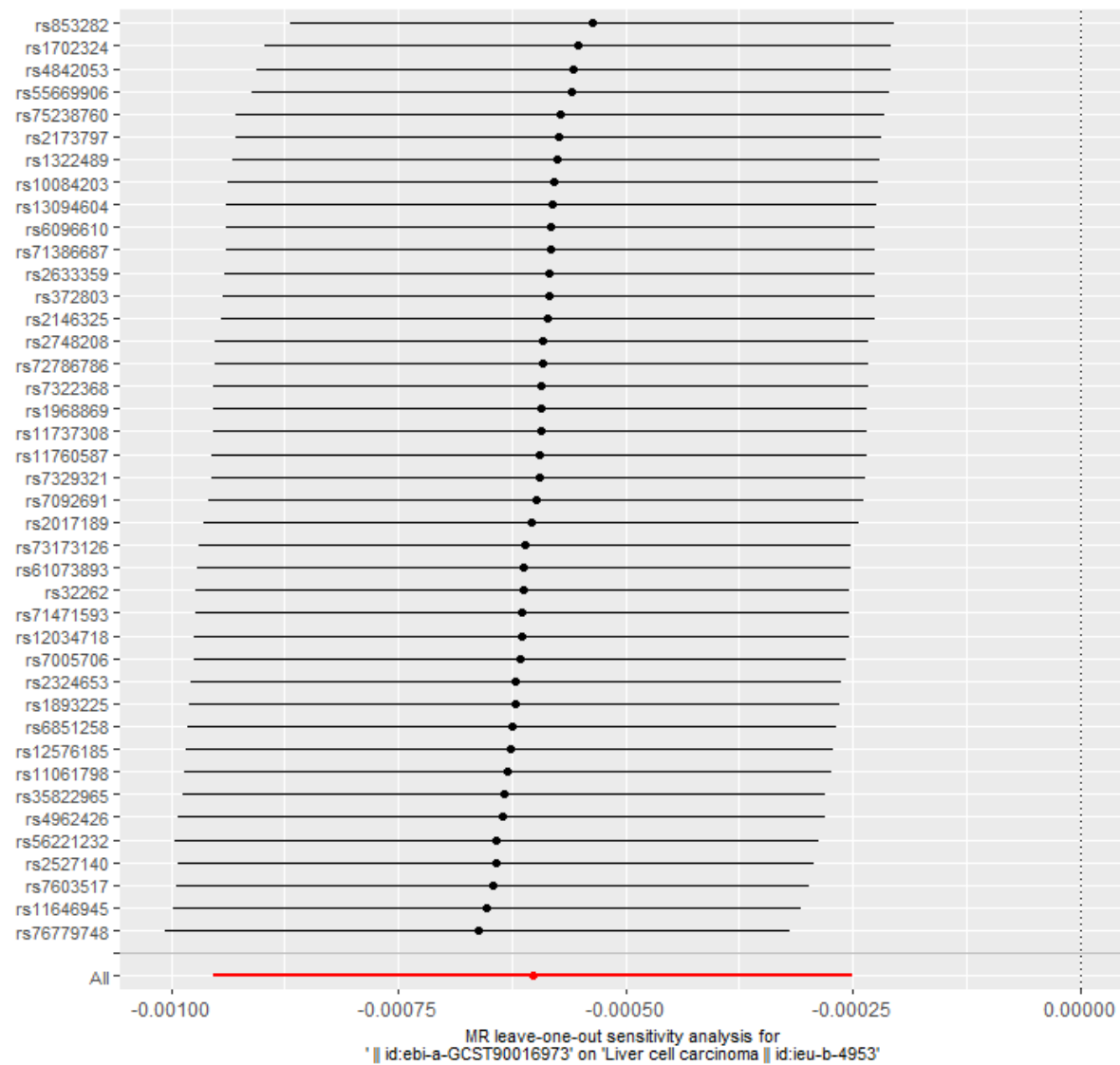
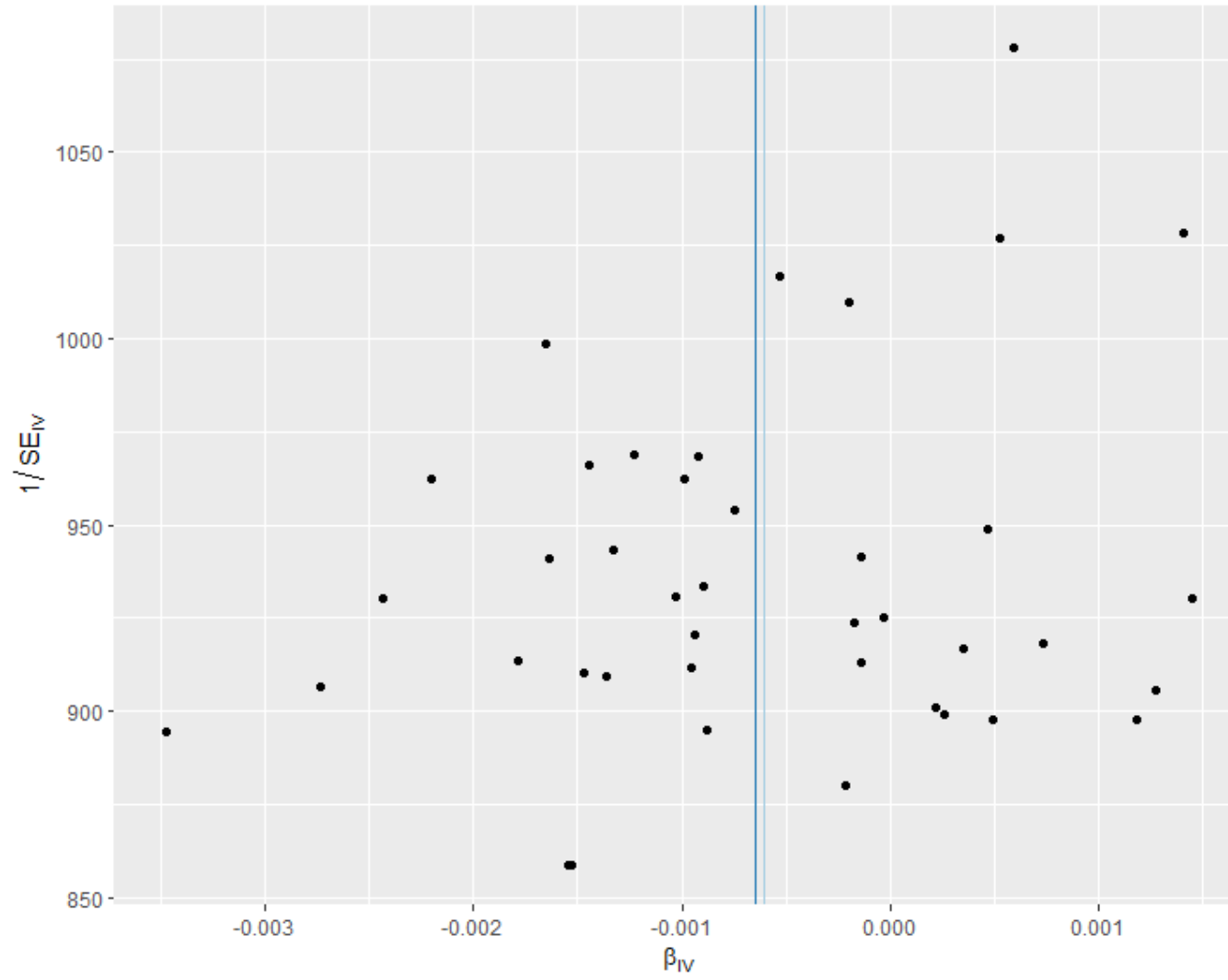


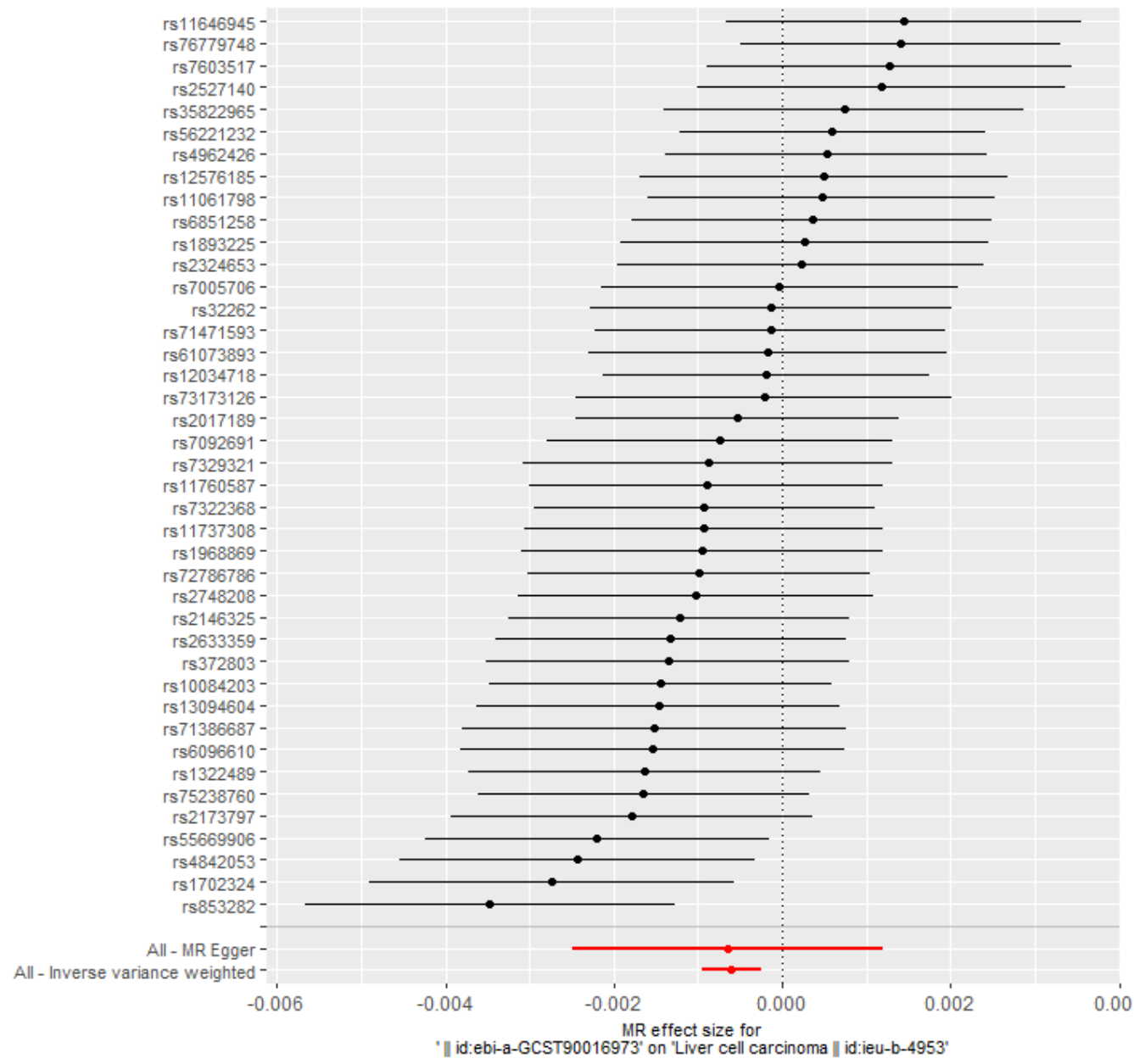
Figure 181 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Butyricicoccus* id.2055) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

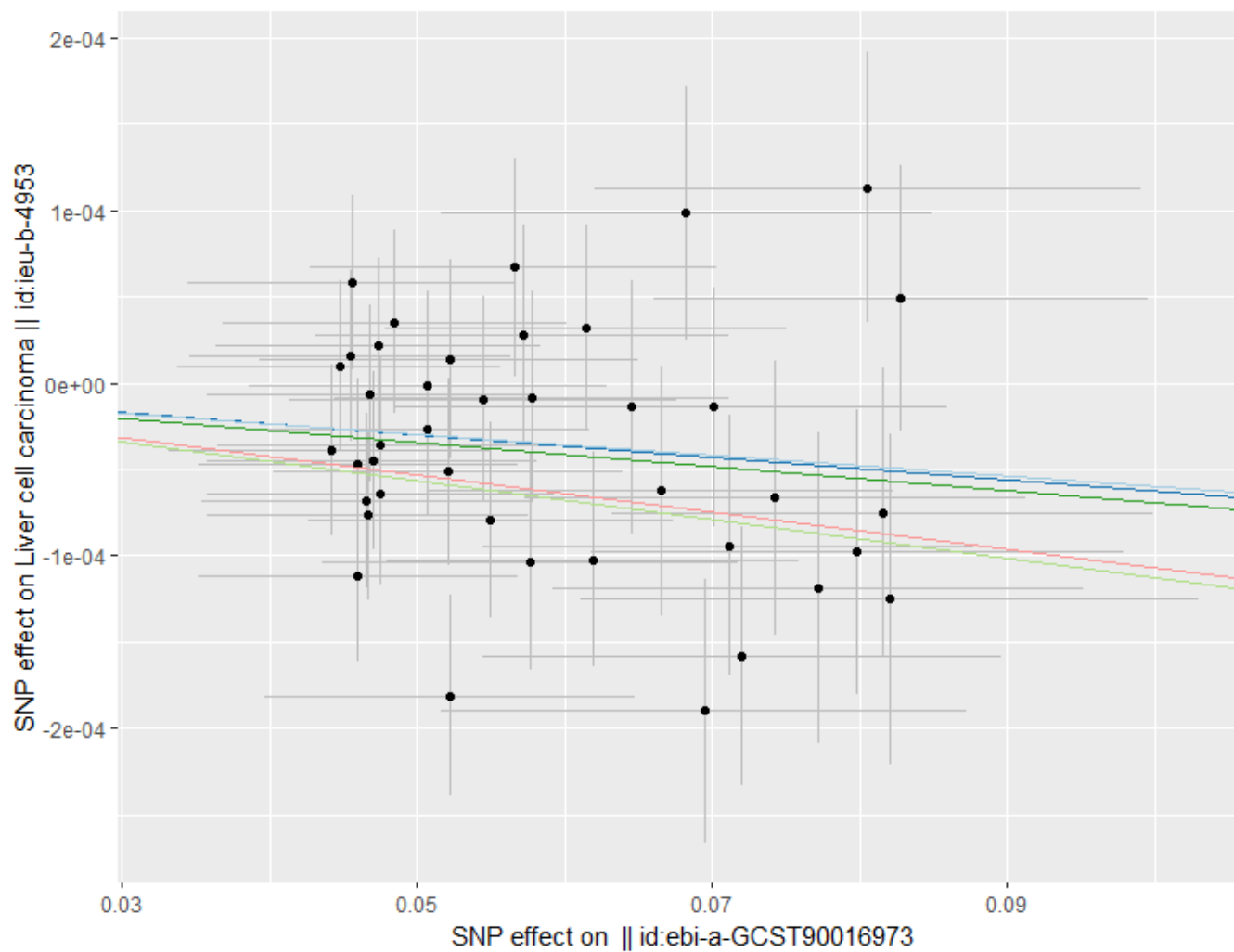
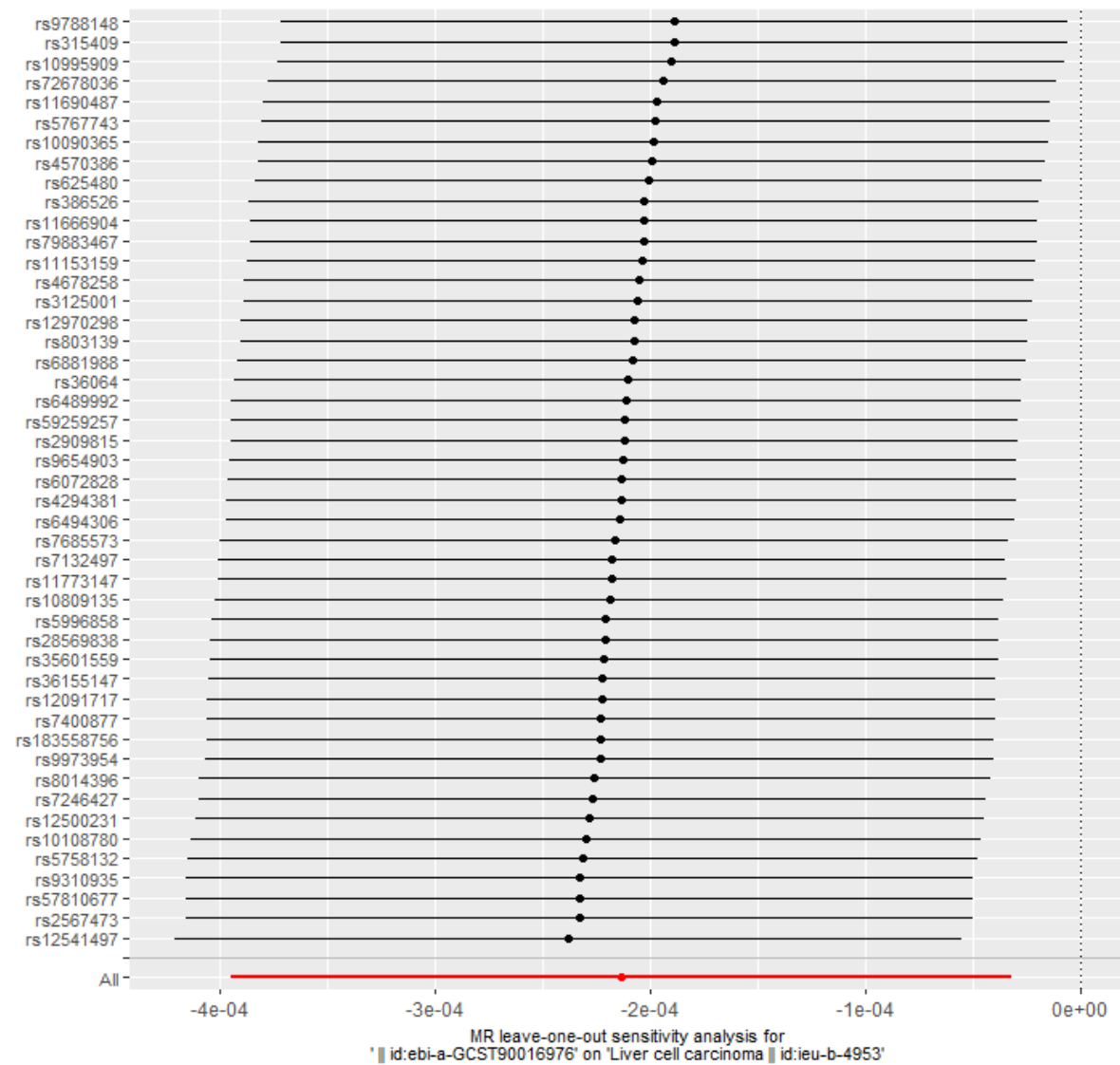
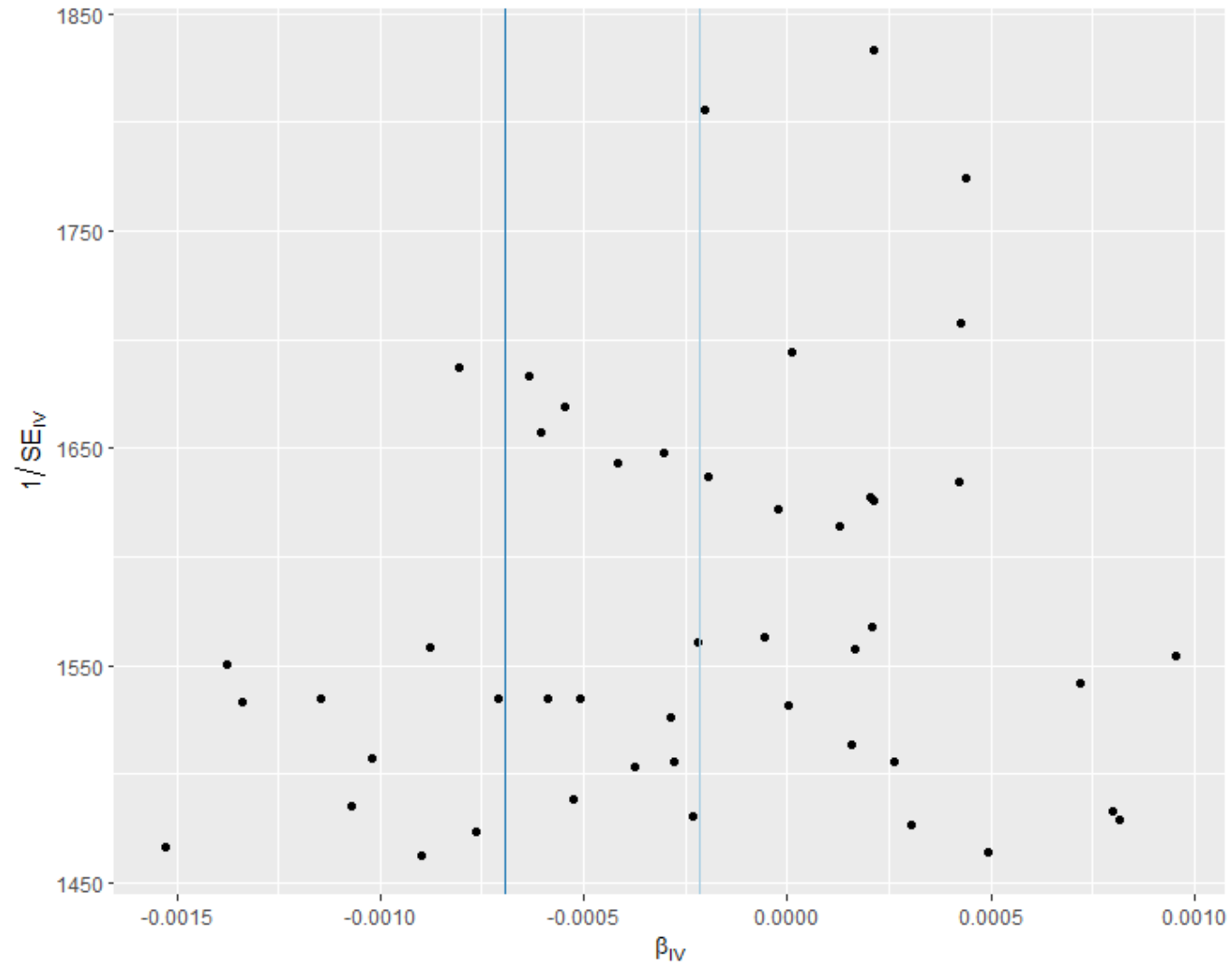


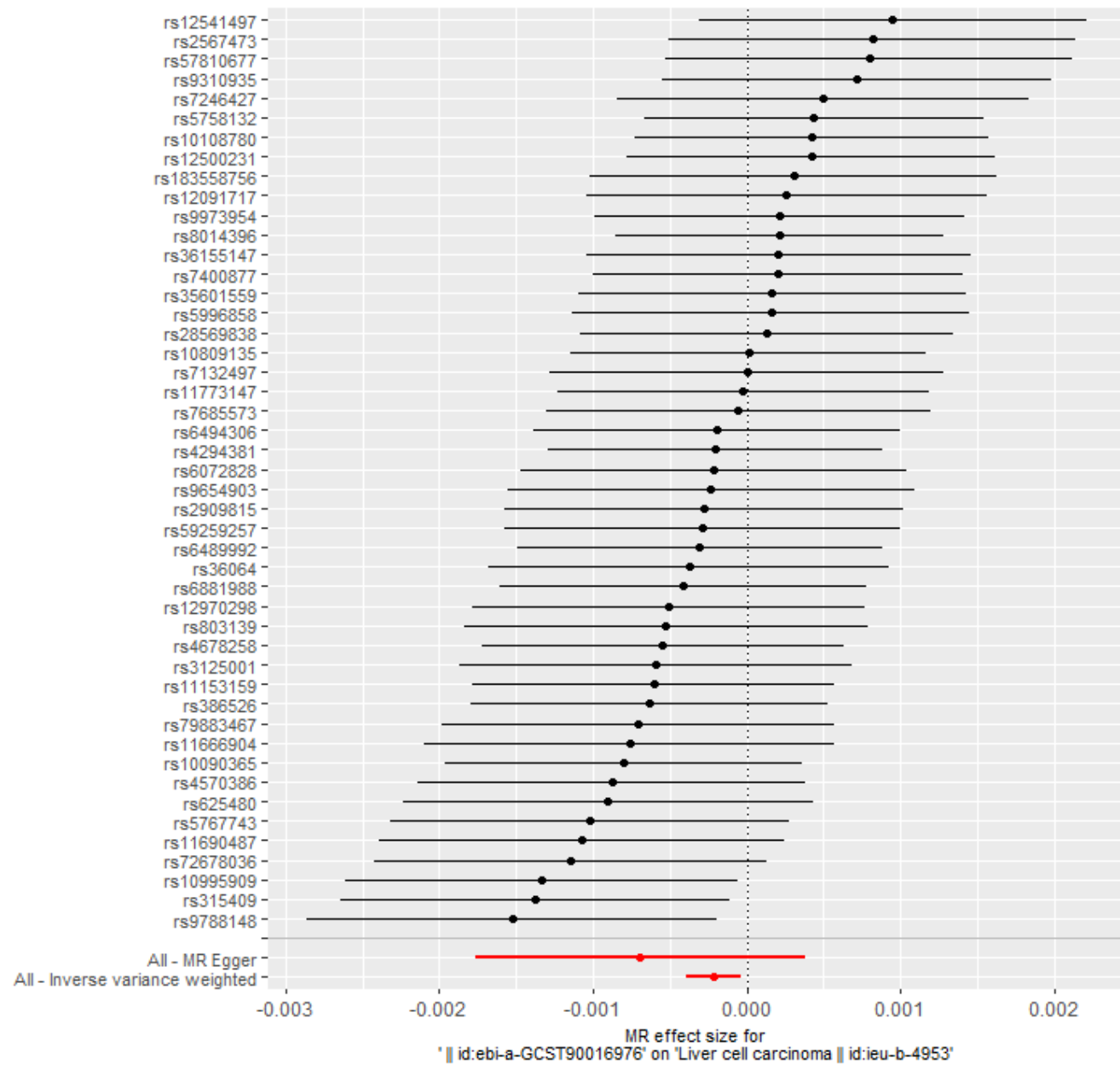
Figure 182 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Candidatus Soleaferrea* id.11350) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

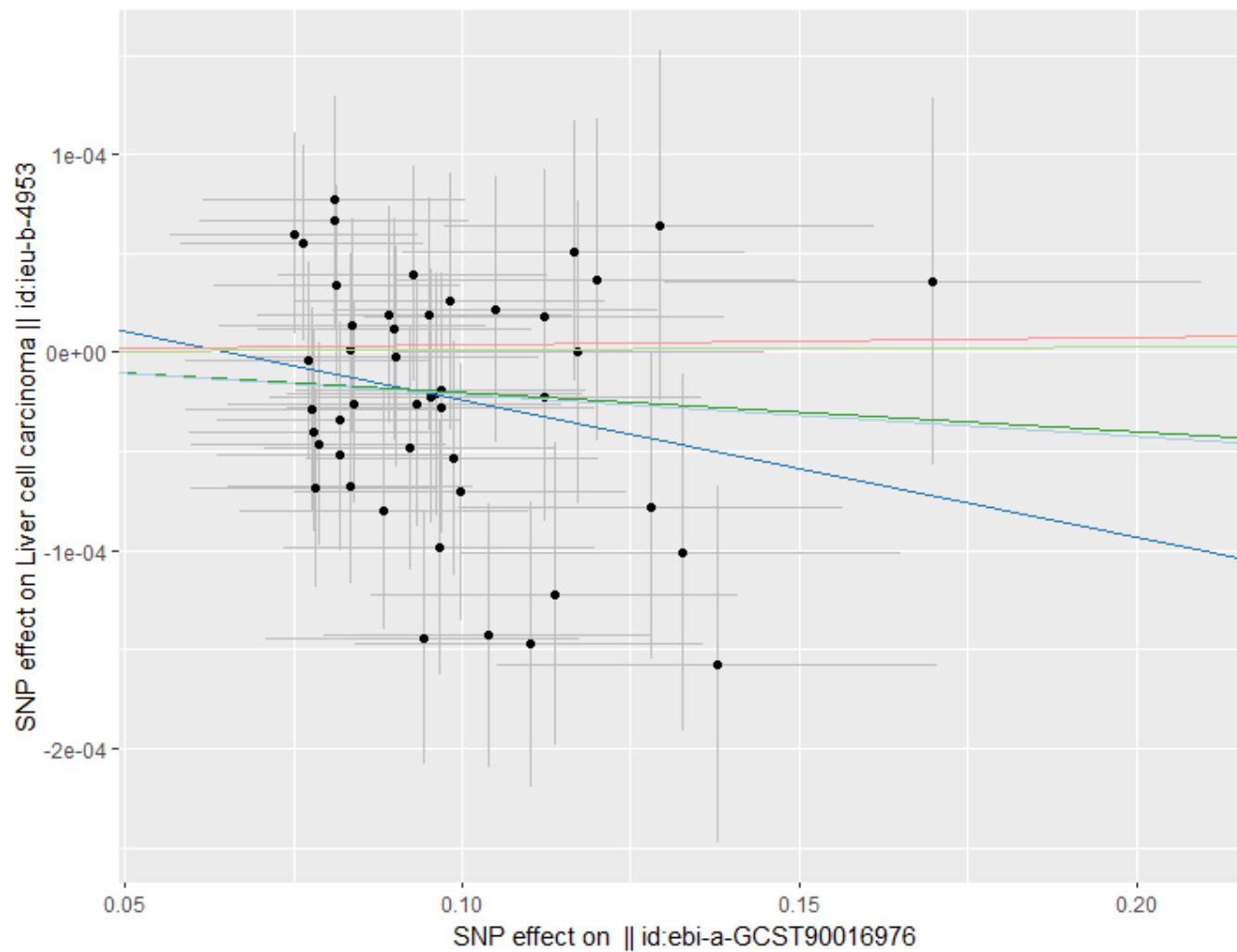
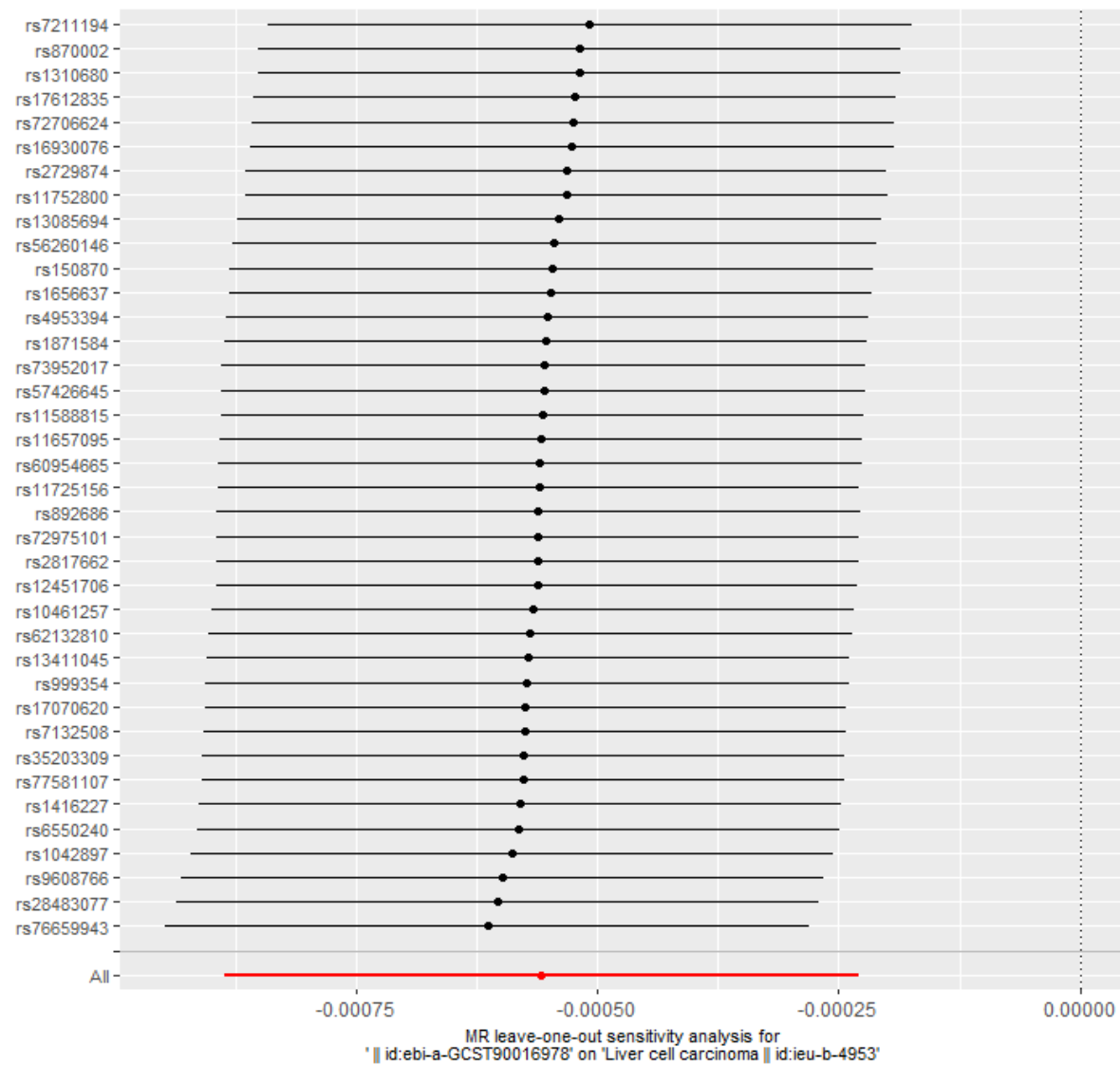
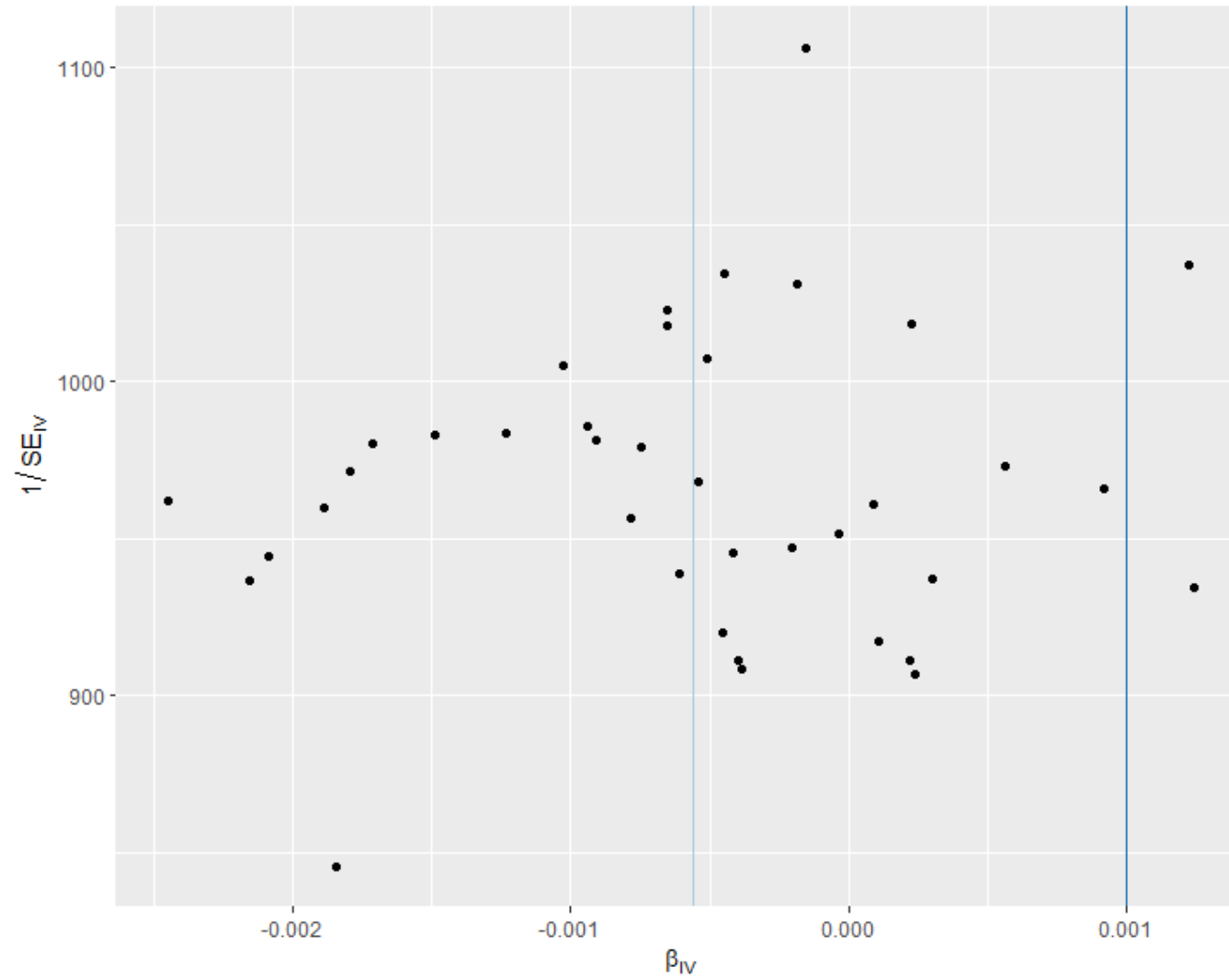


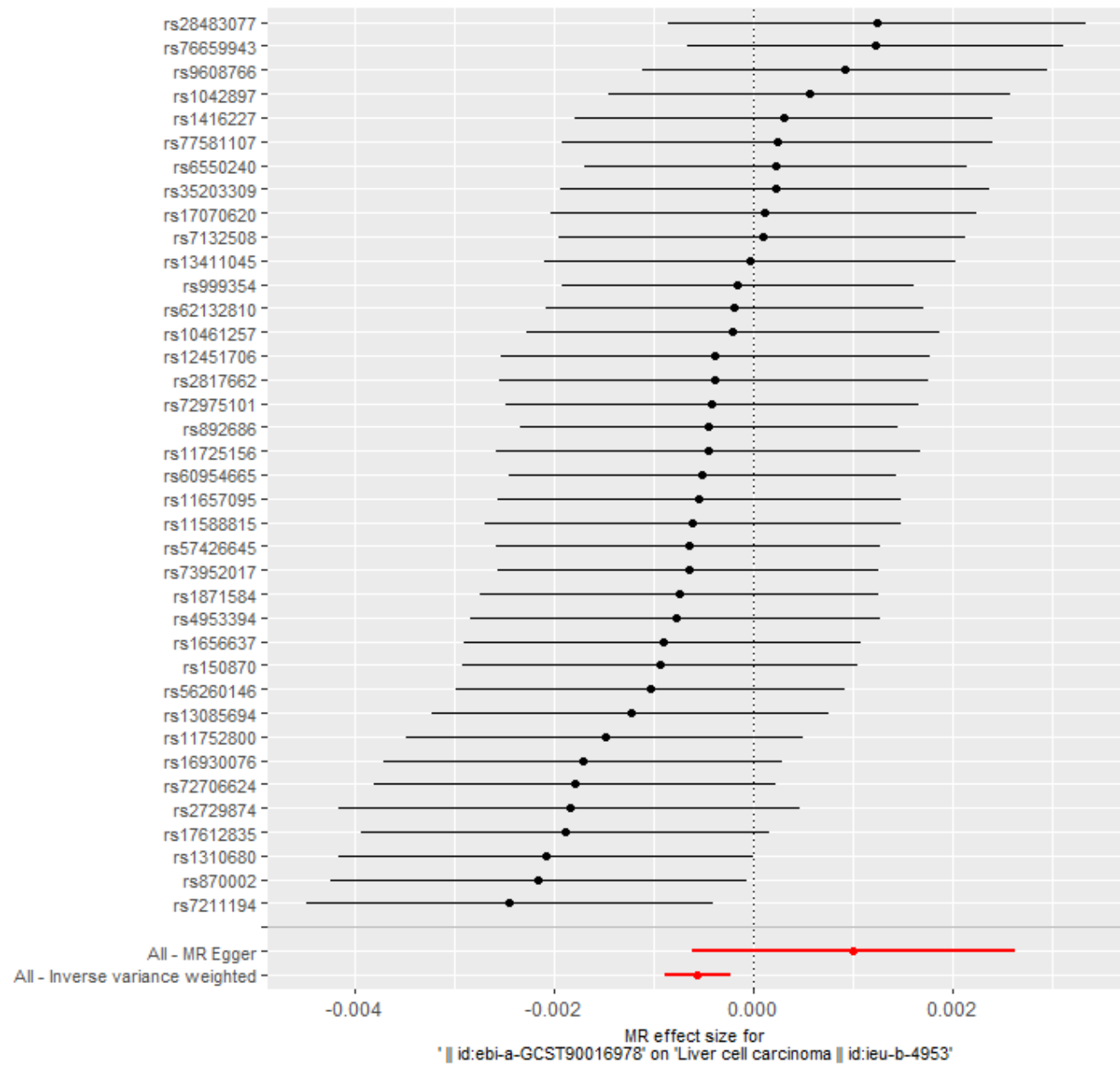
Figure 183 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

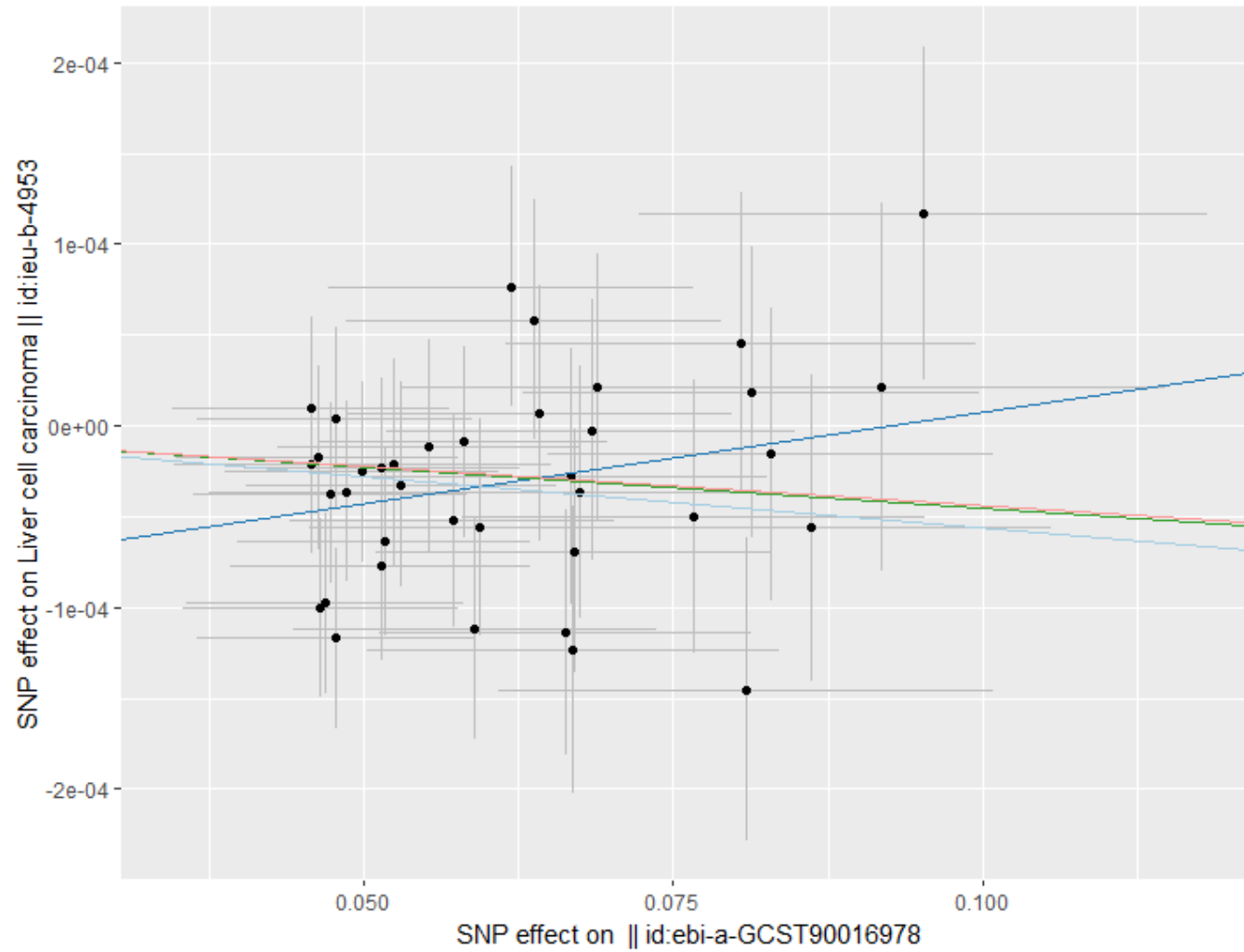
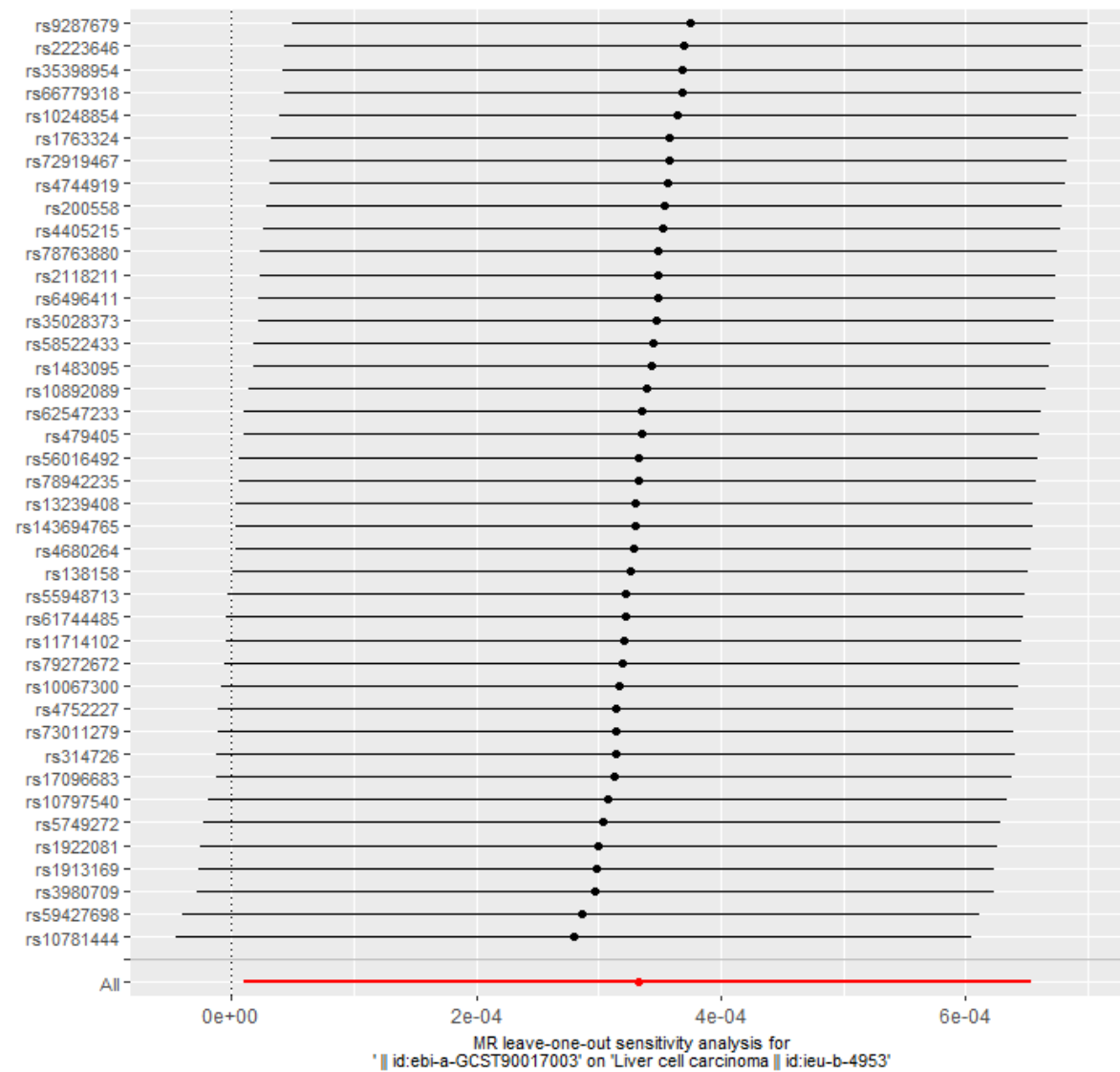
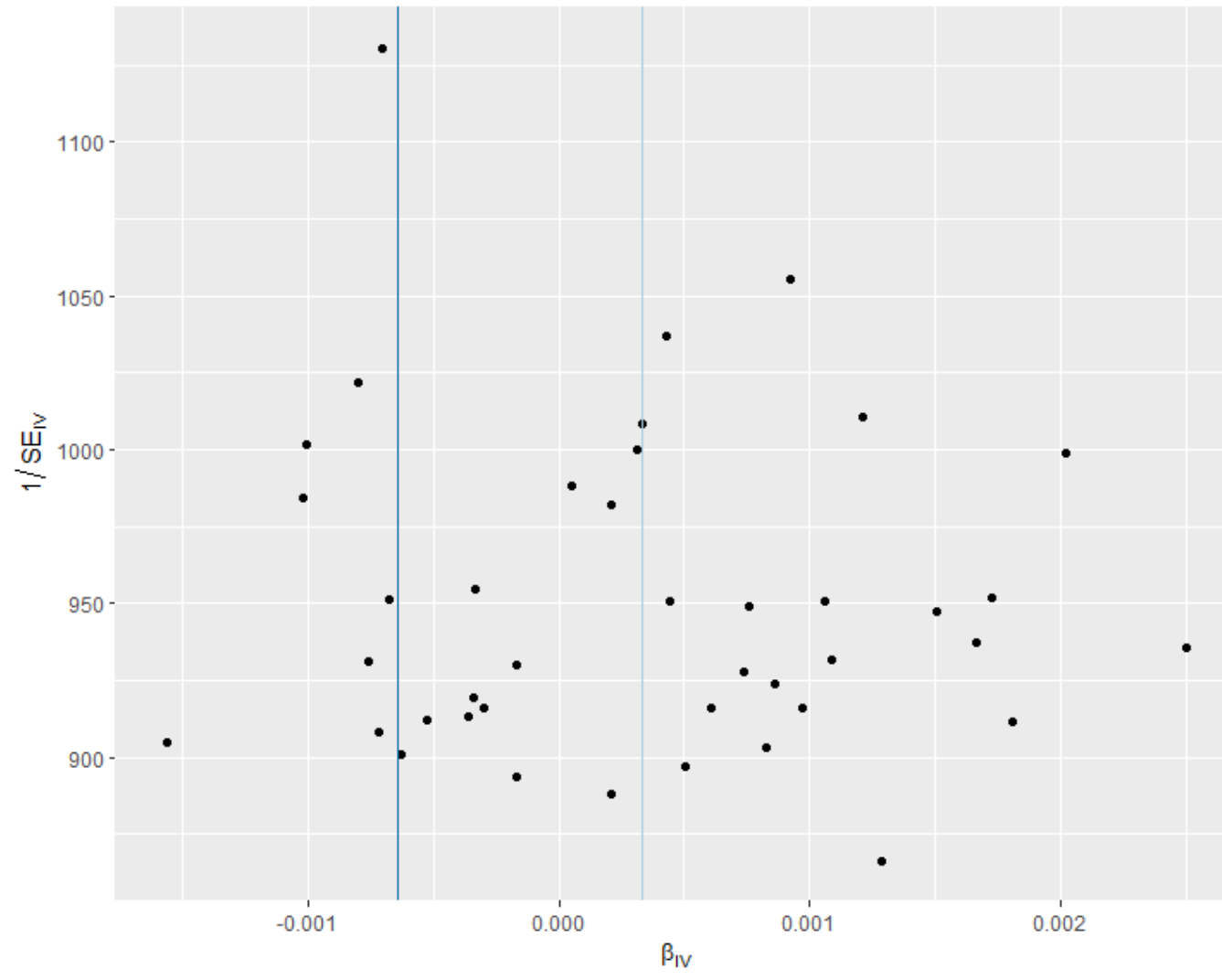


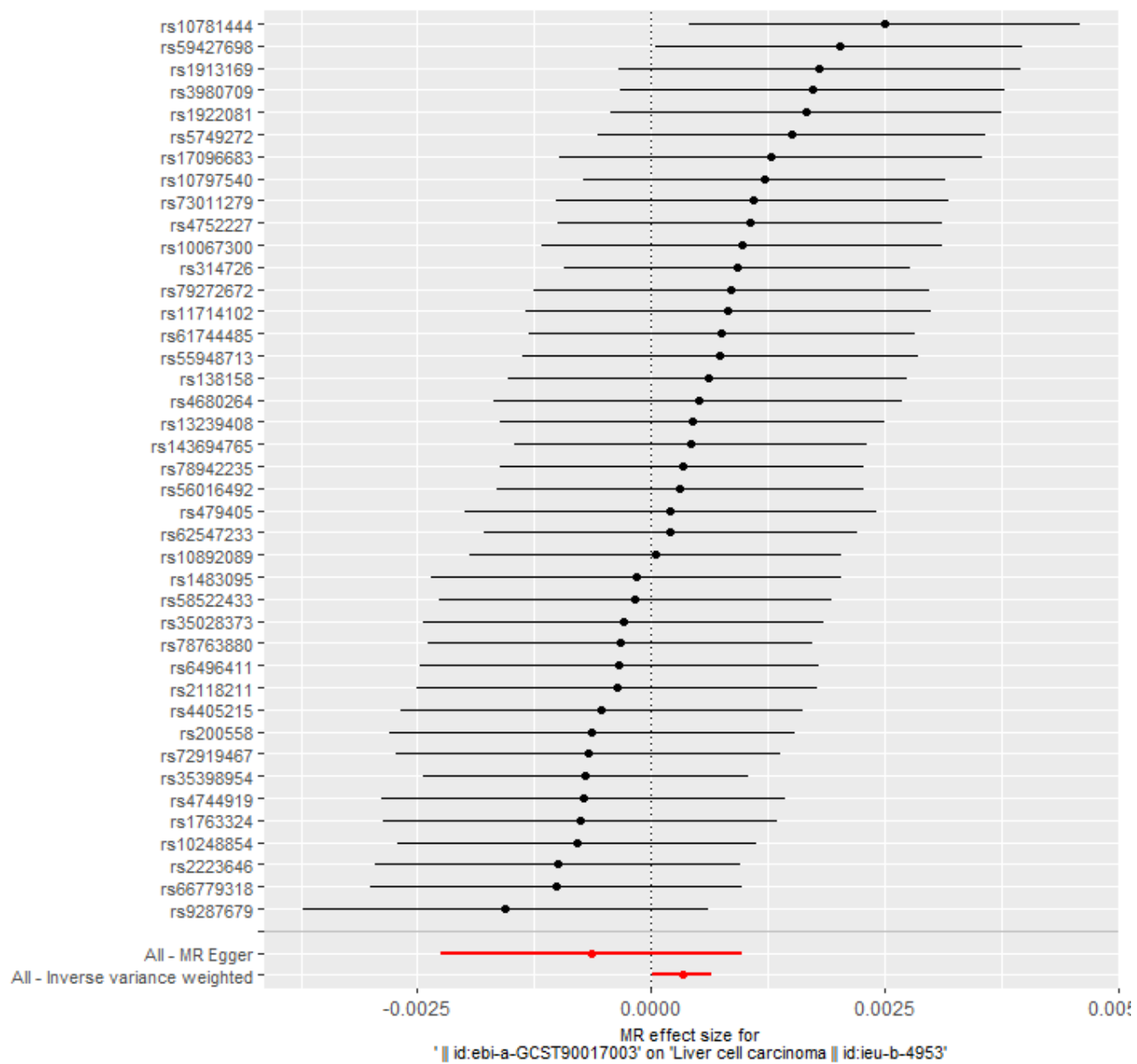
Figure 184 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Eubacterium rectale* group id.14374) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

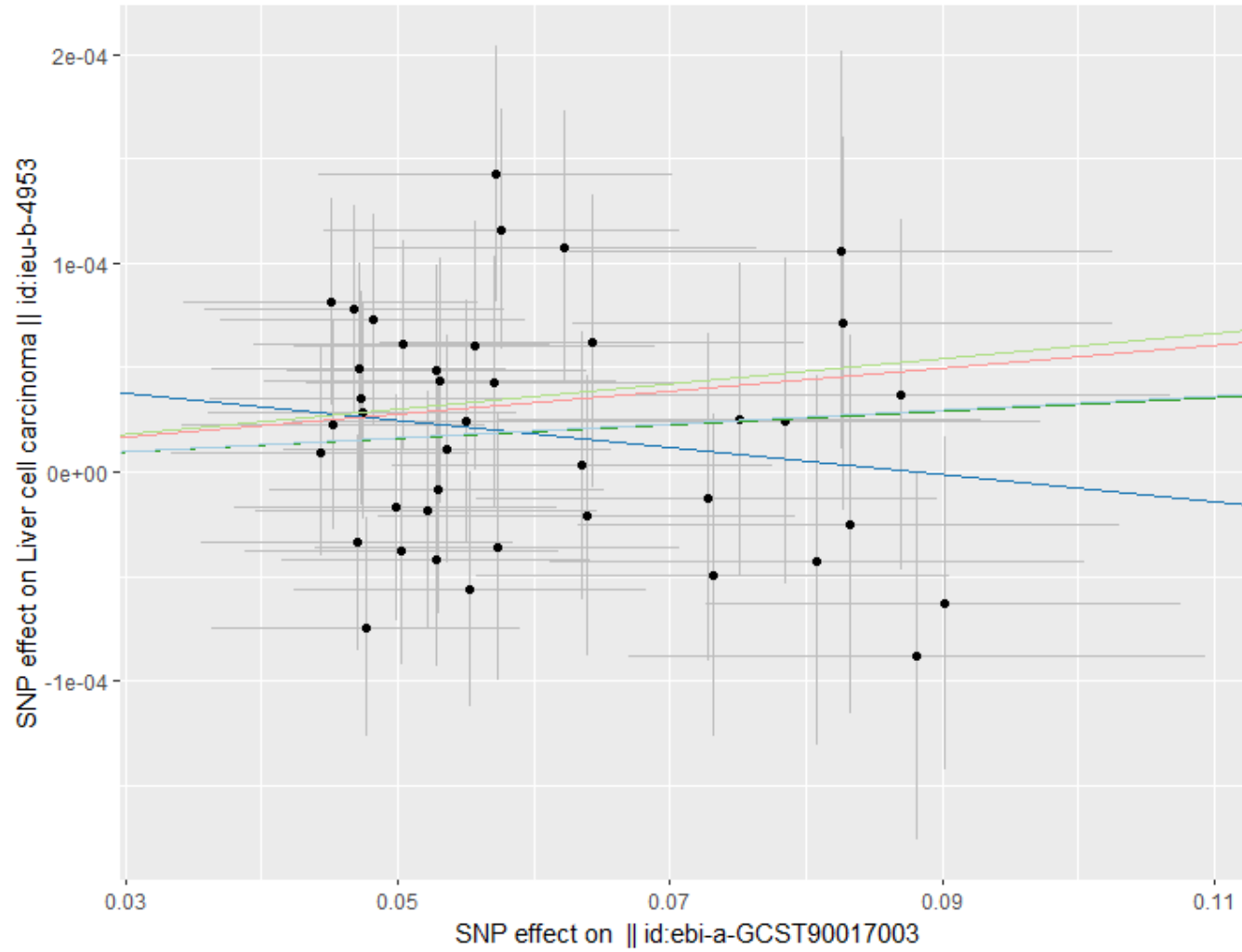
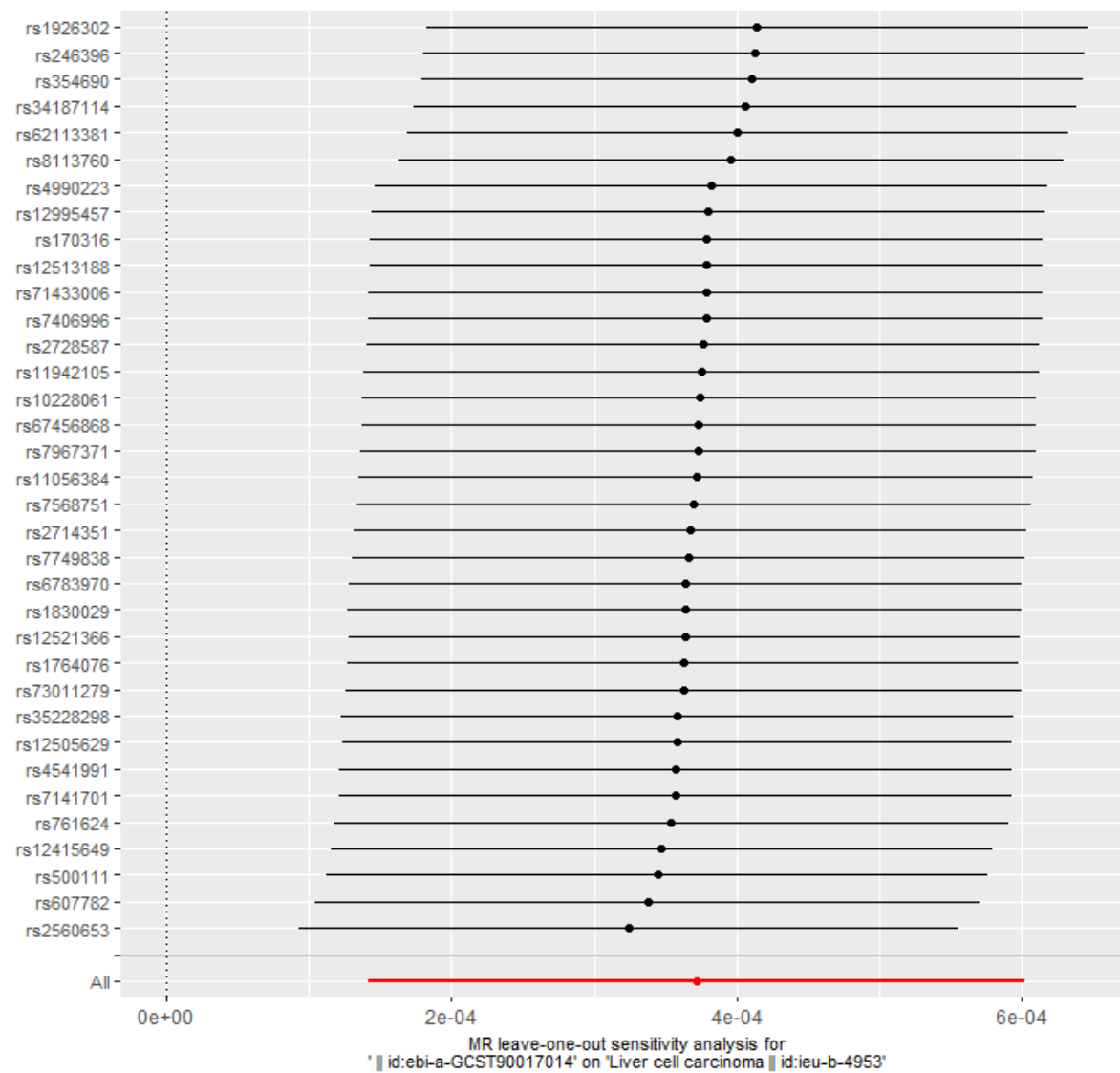
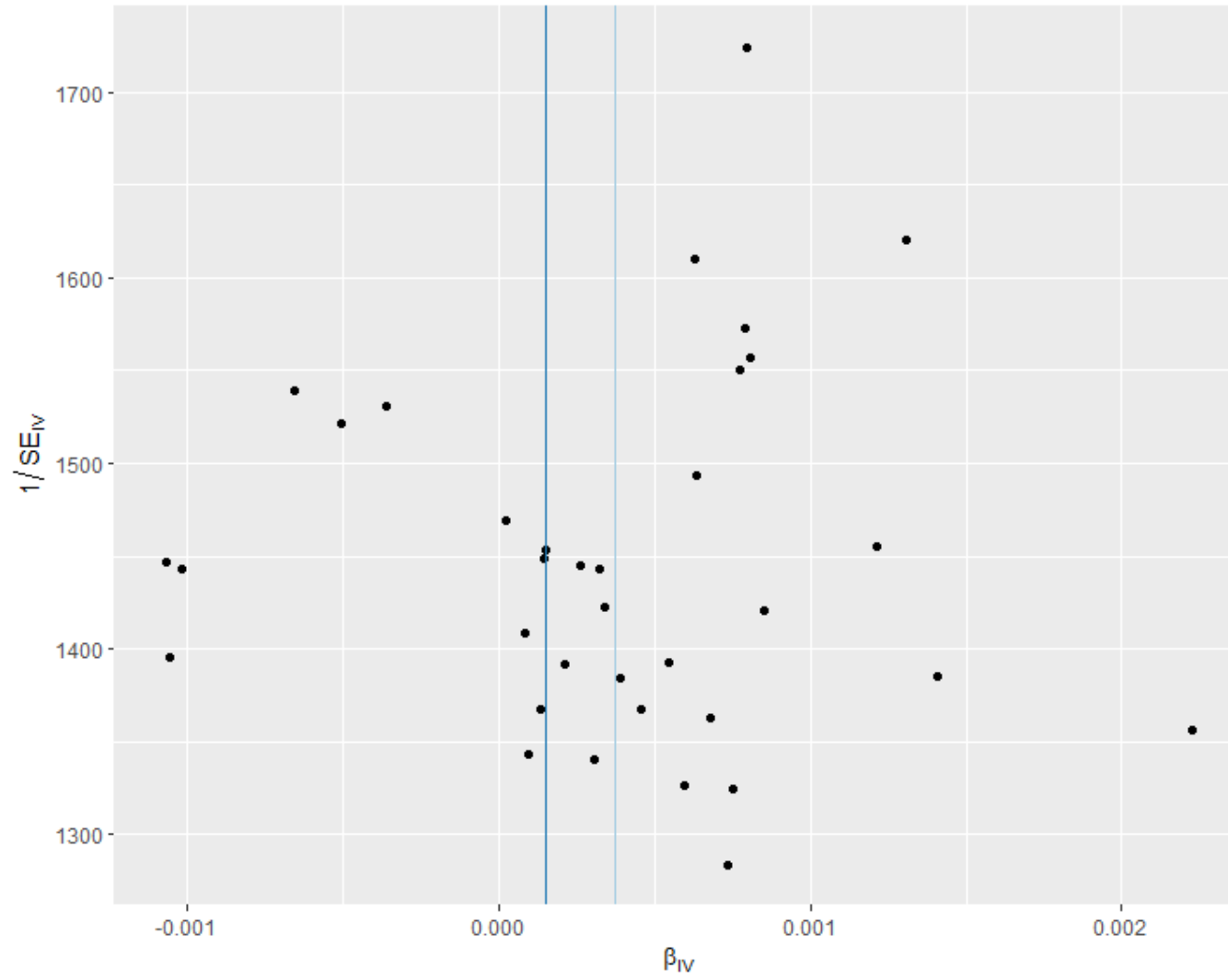


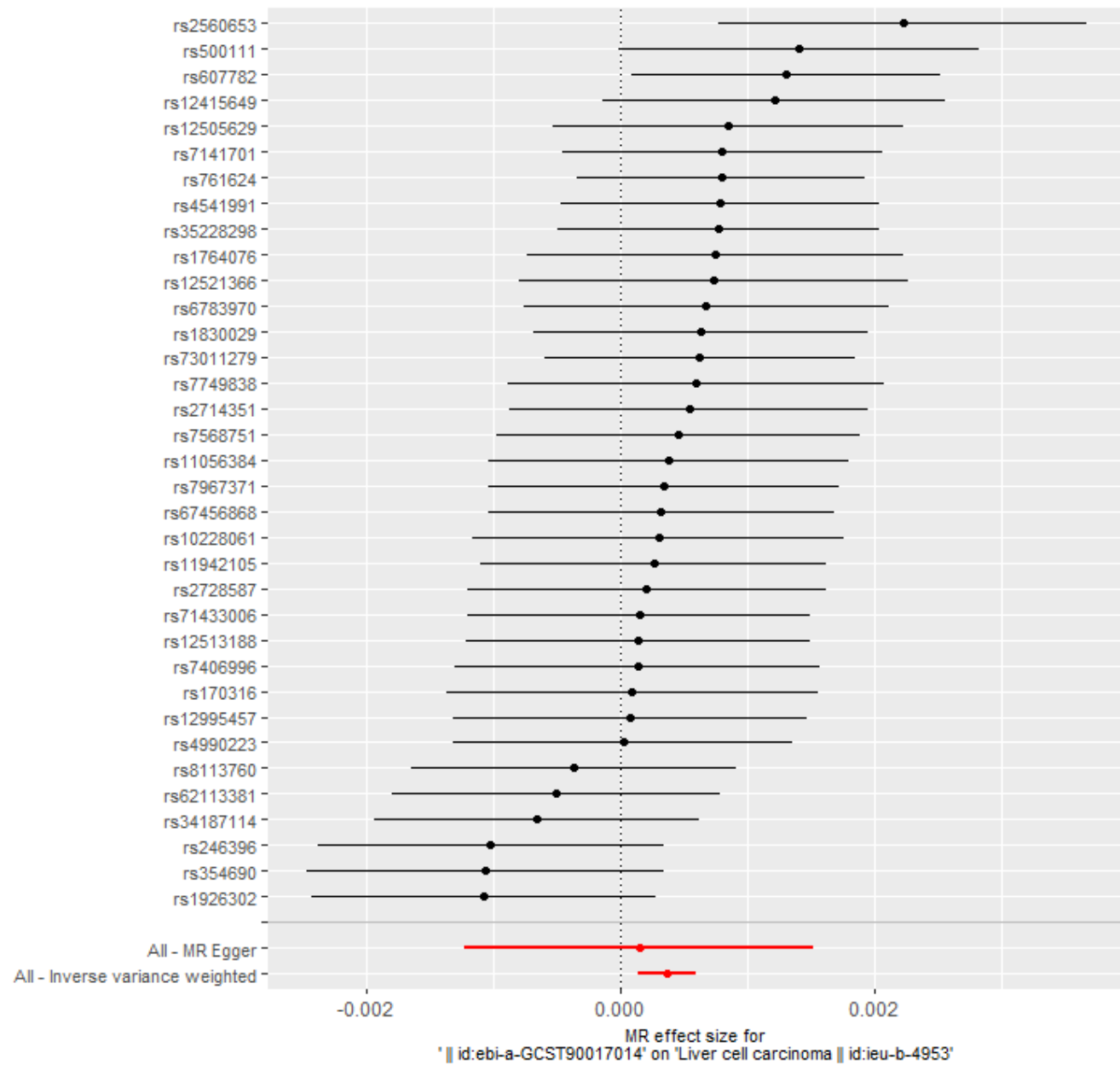
Figure 185 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Holdemanella* id.11393) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

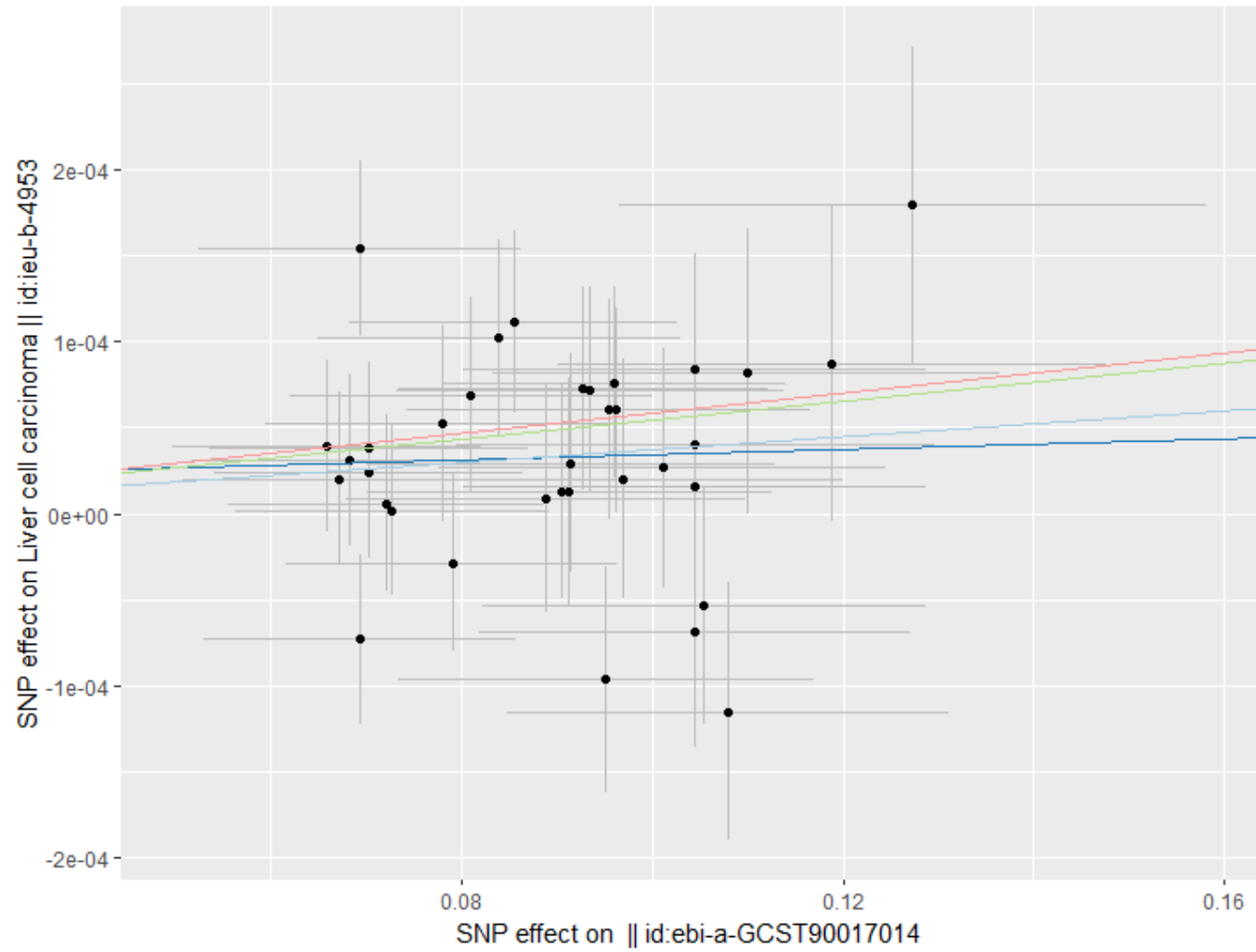
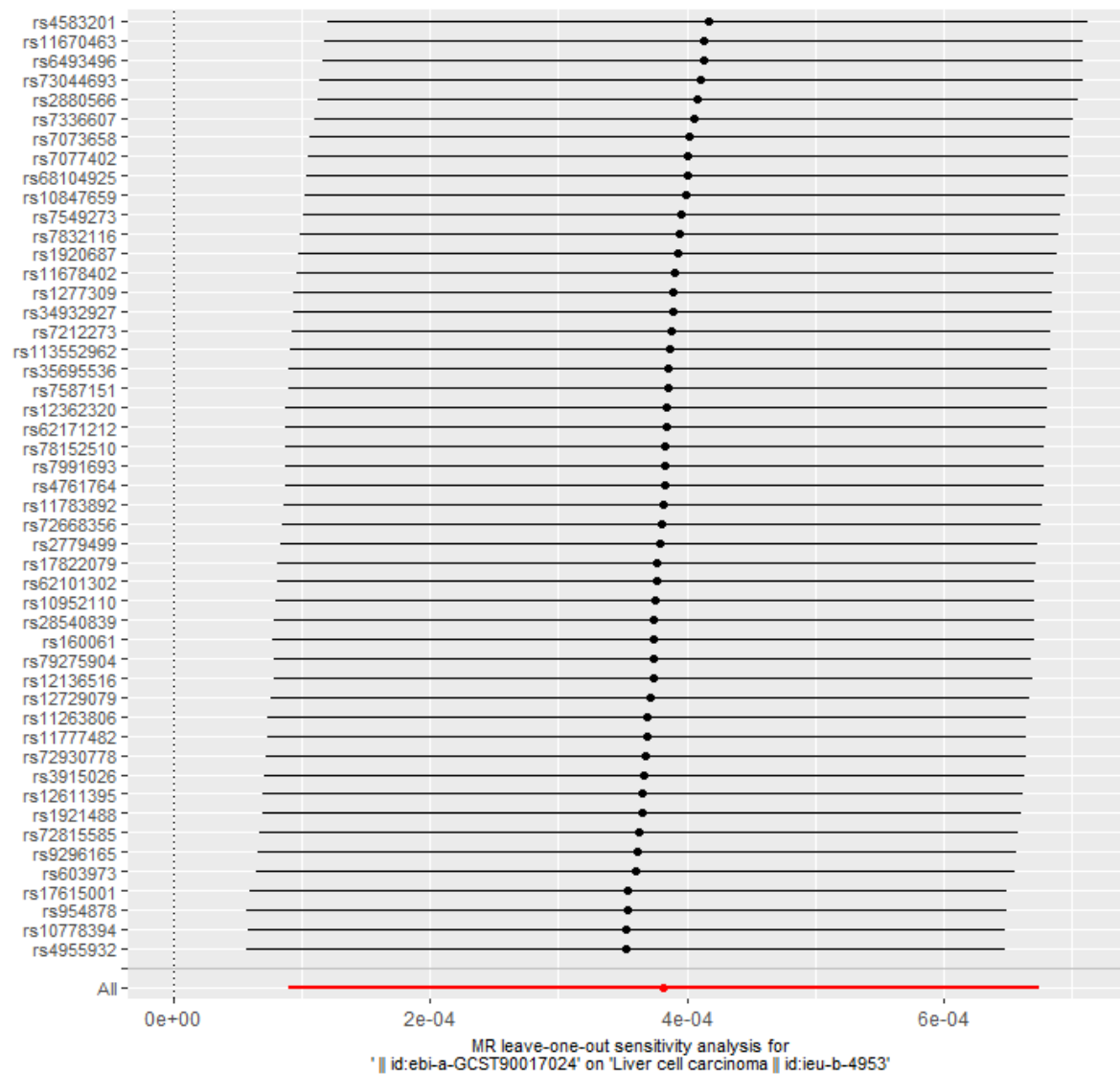
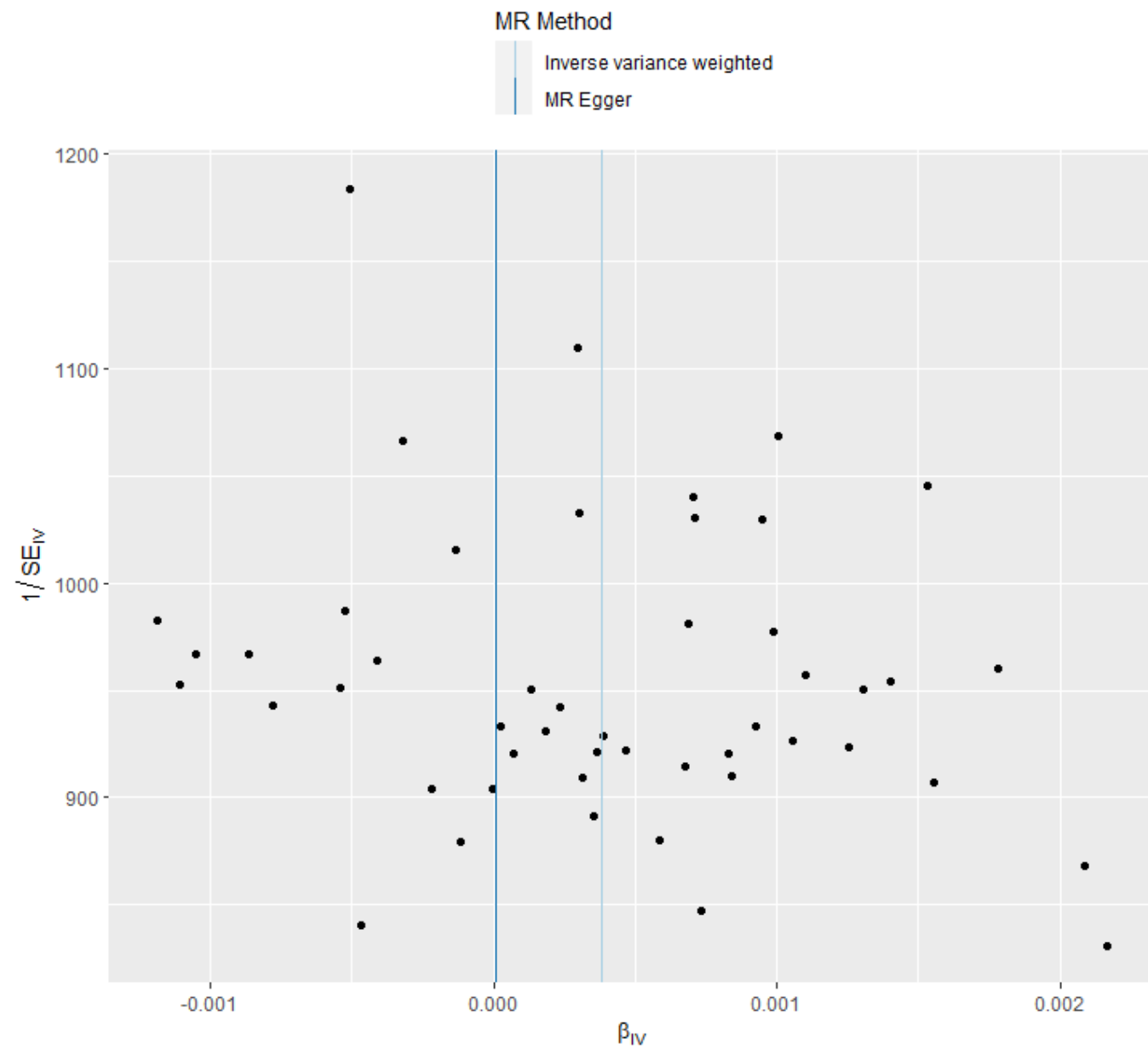
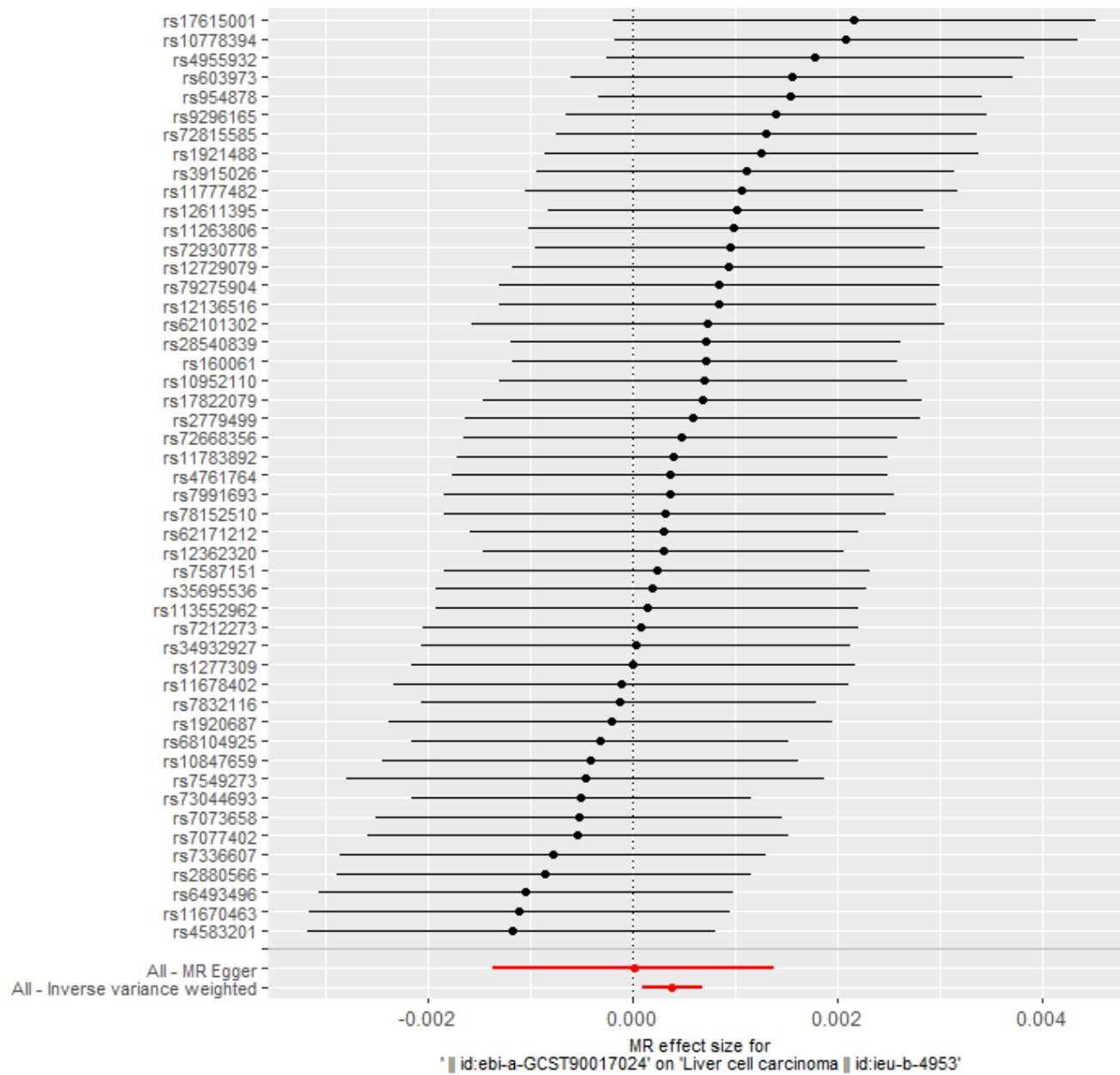


Figure 186 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on liver cell carcinoma







MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

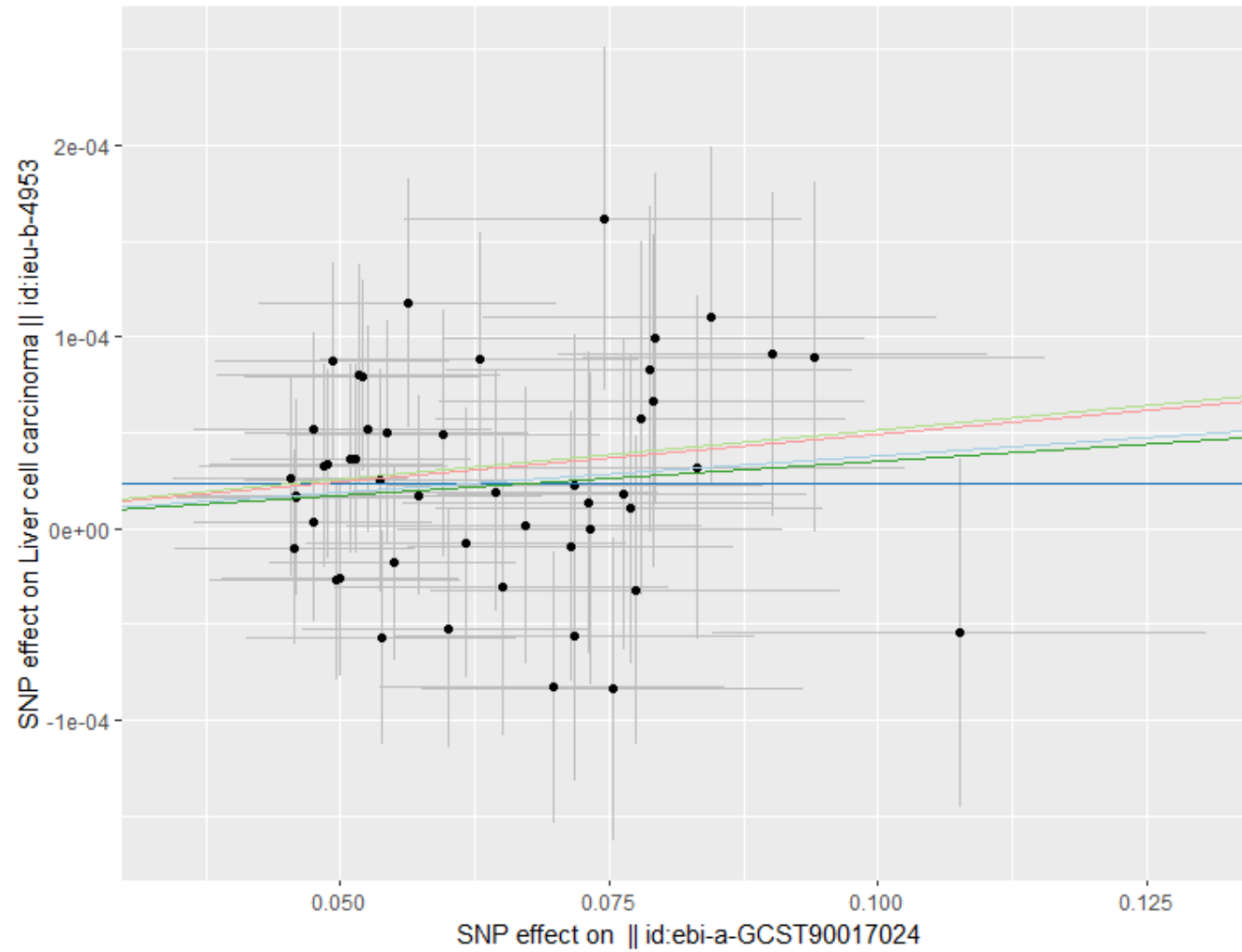
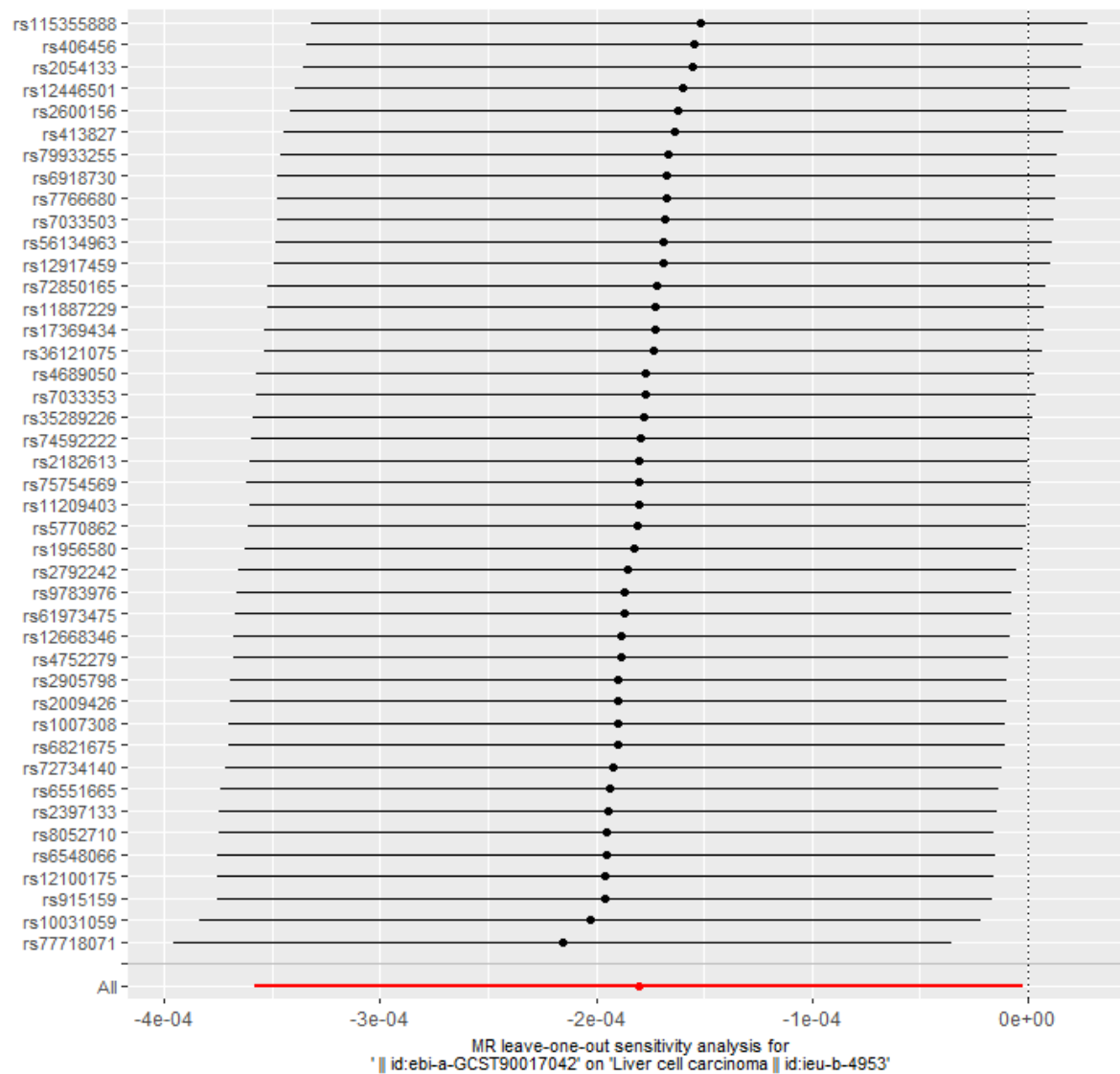
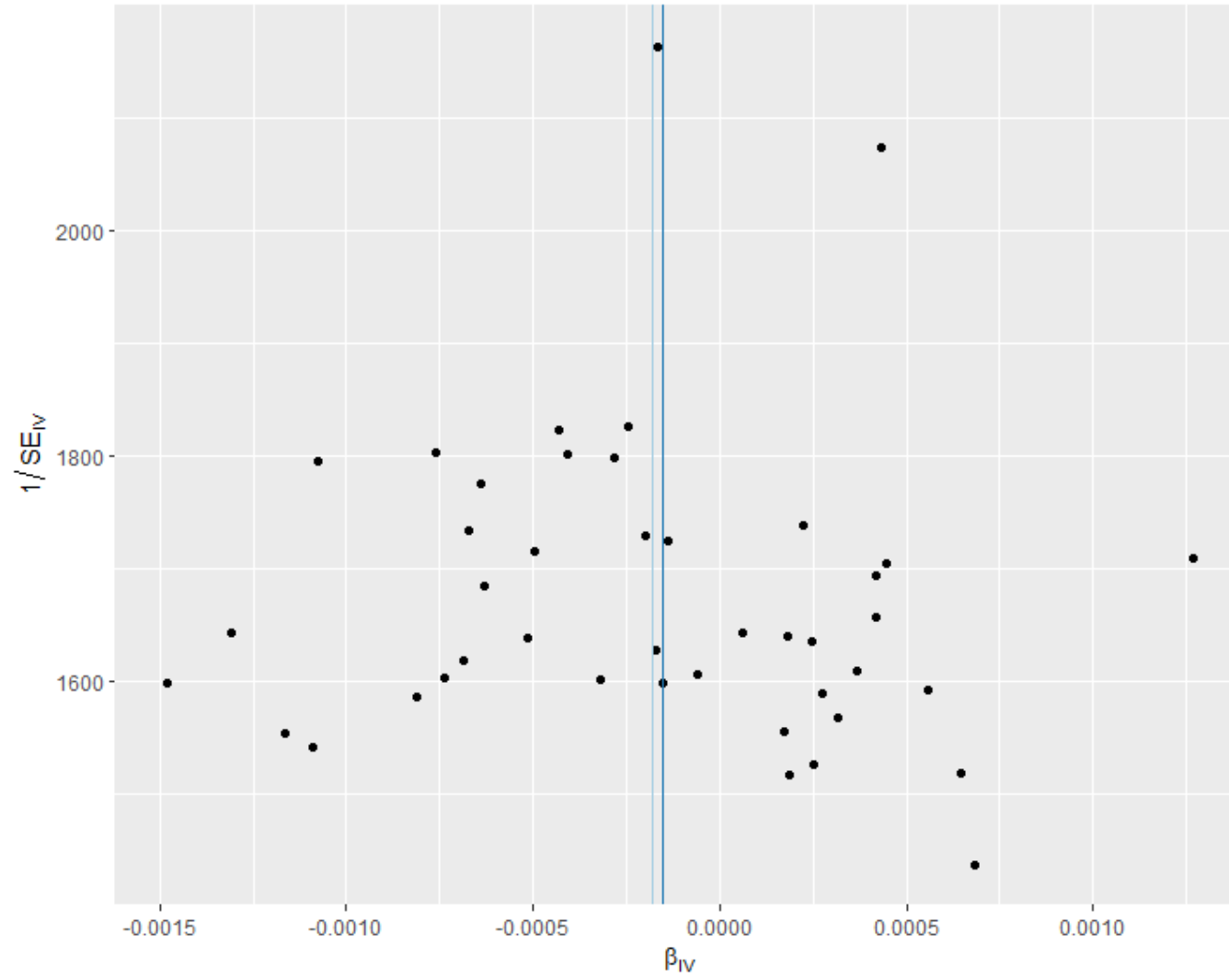


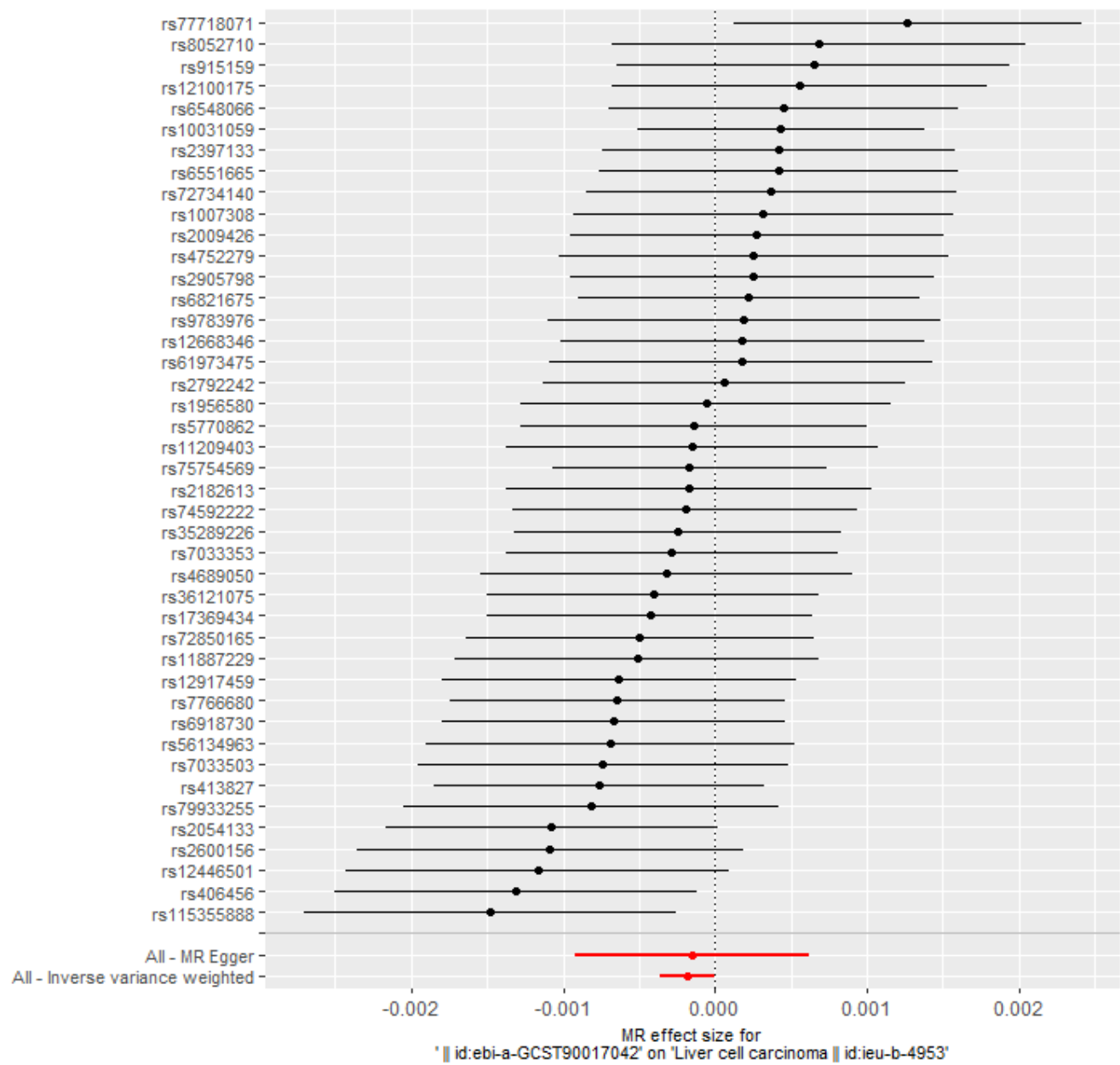
Figure 187 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Peptococcus id.2037) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

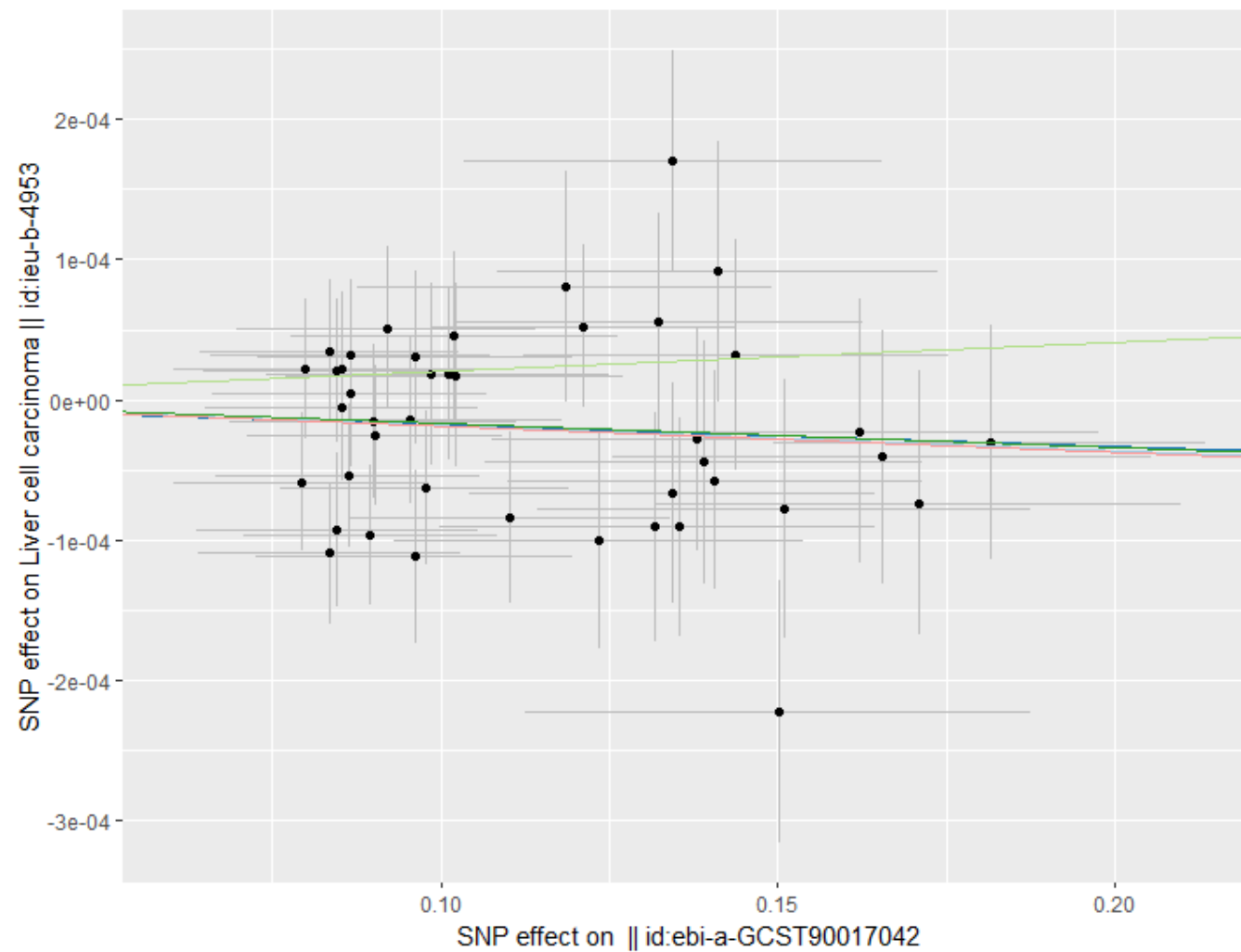
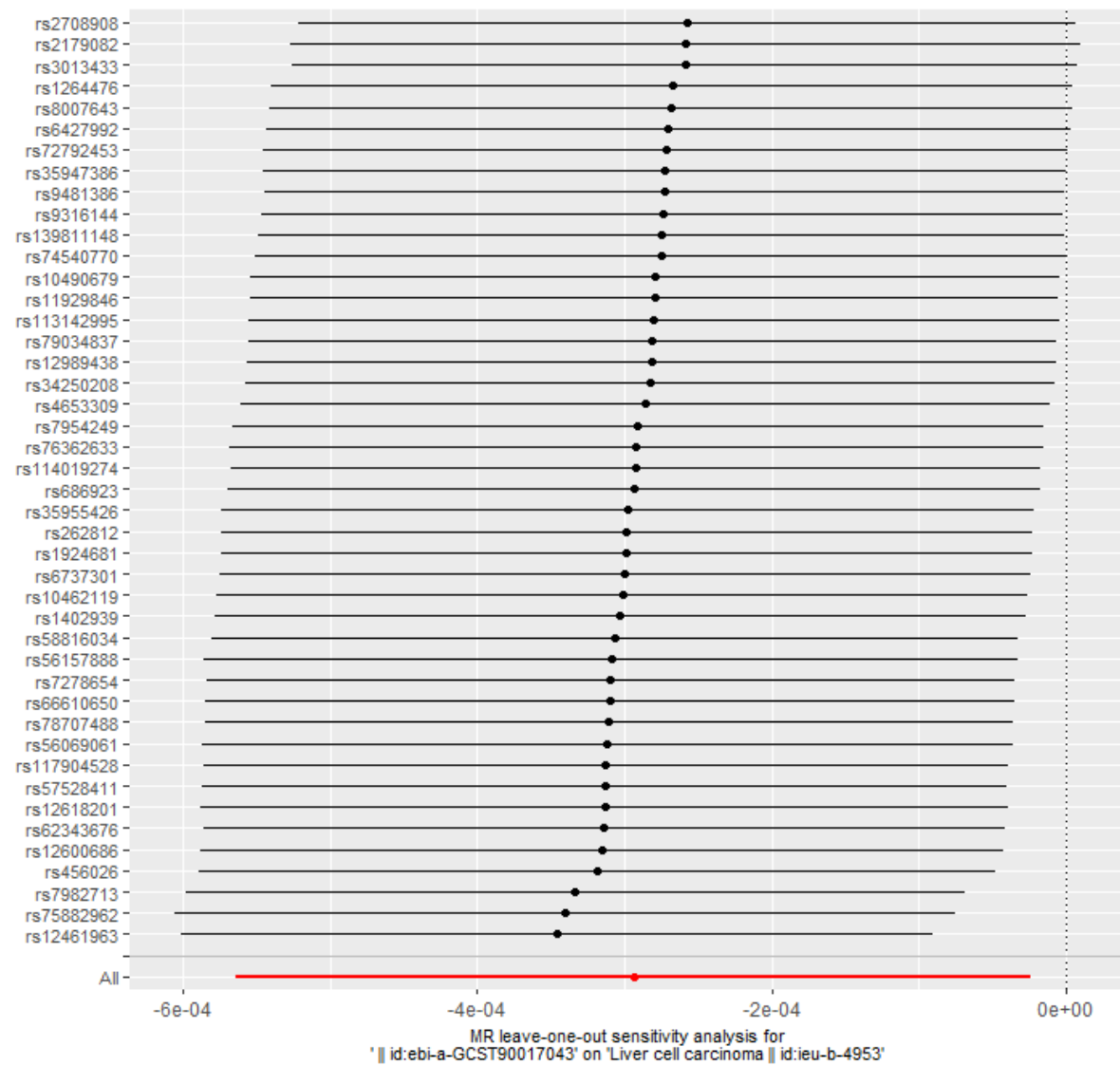
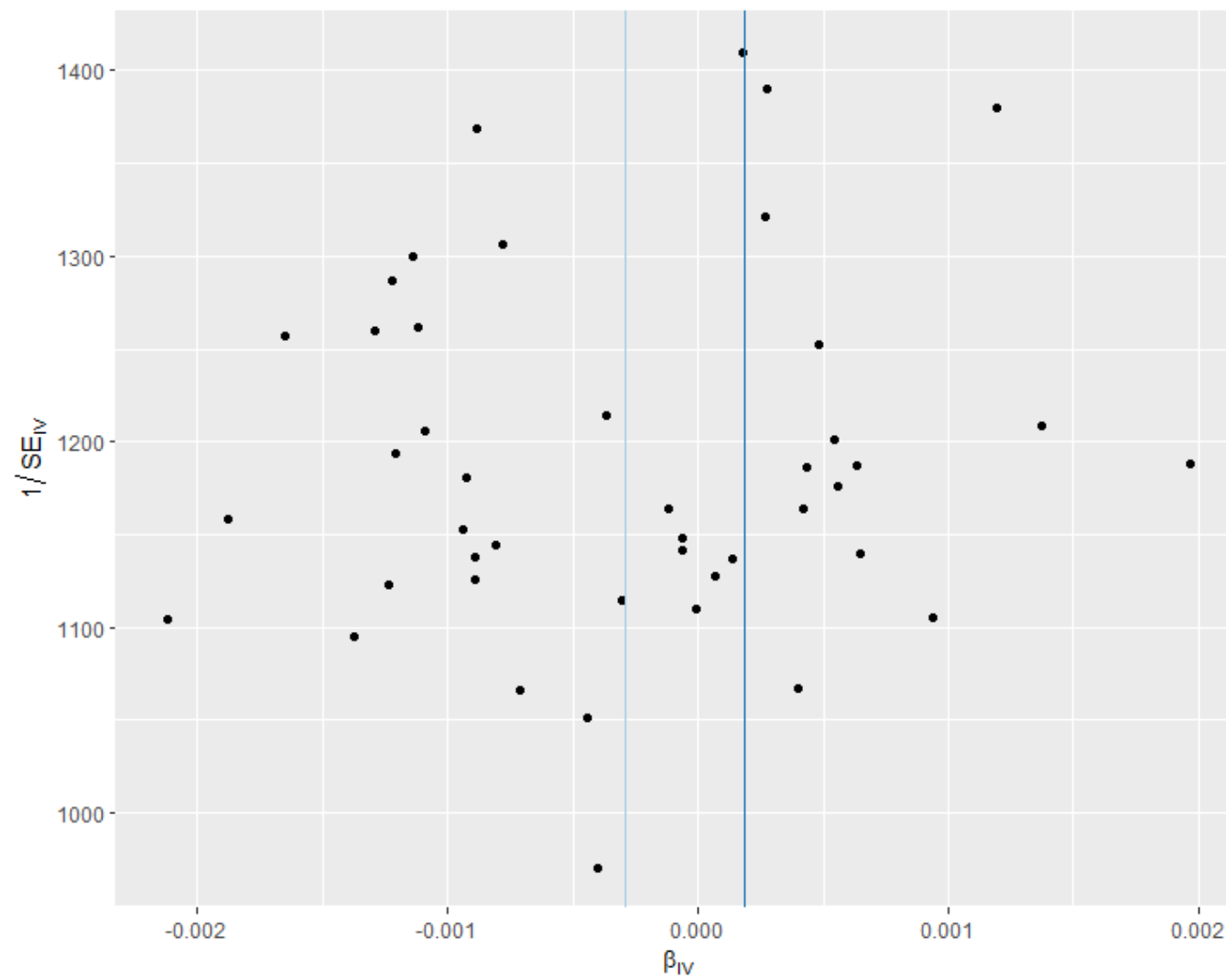


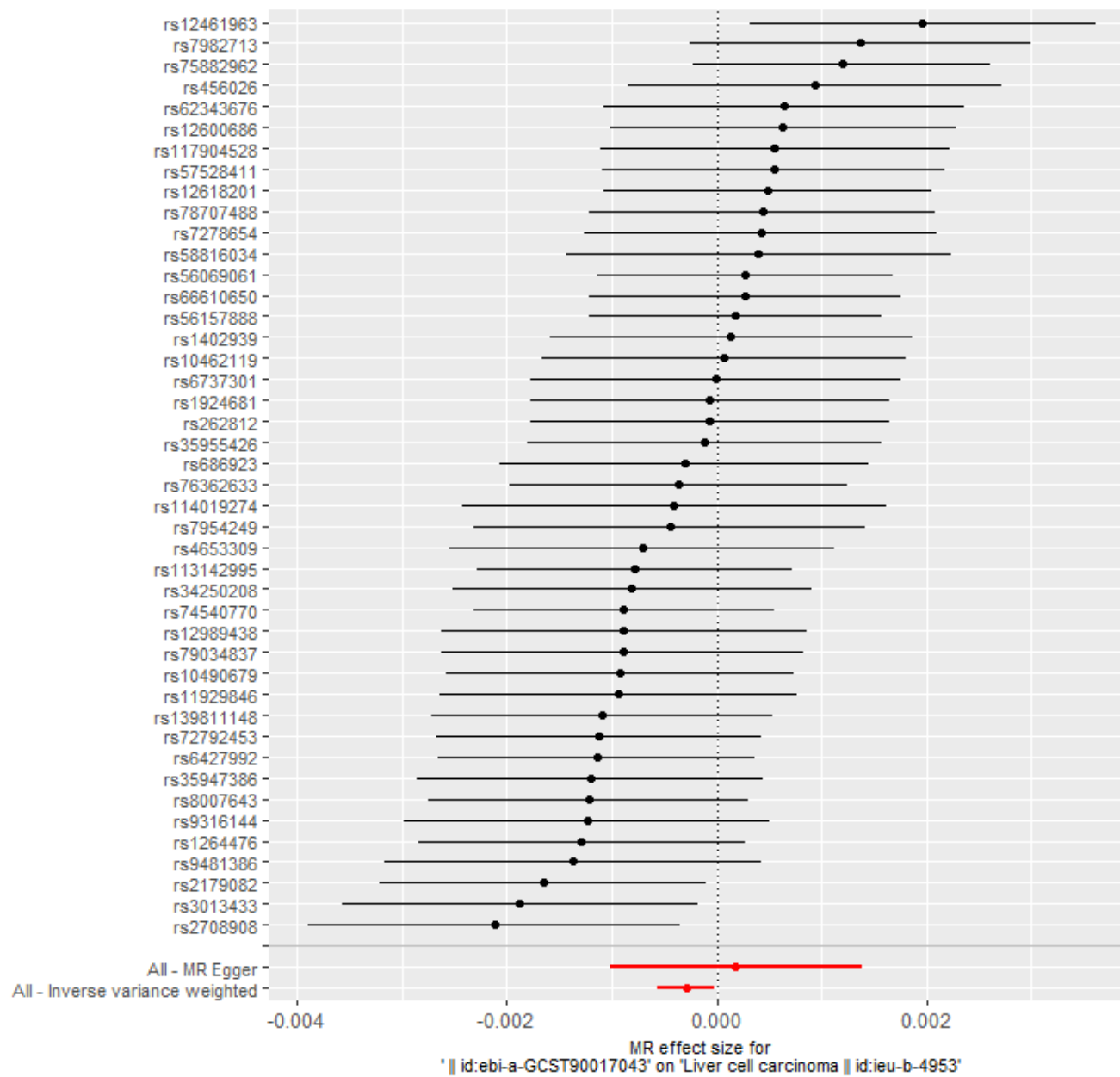
Figure 188 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Phascolarctobacterium id.2168) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

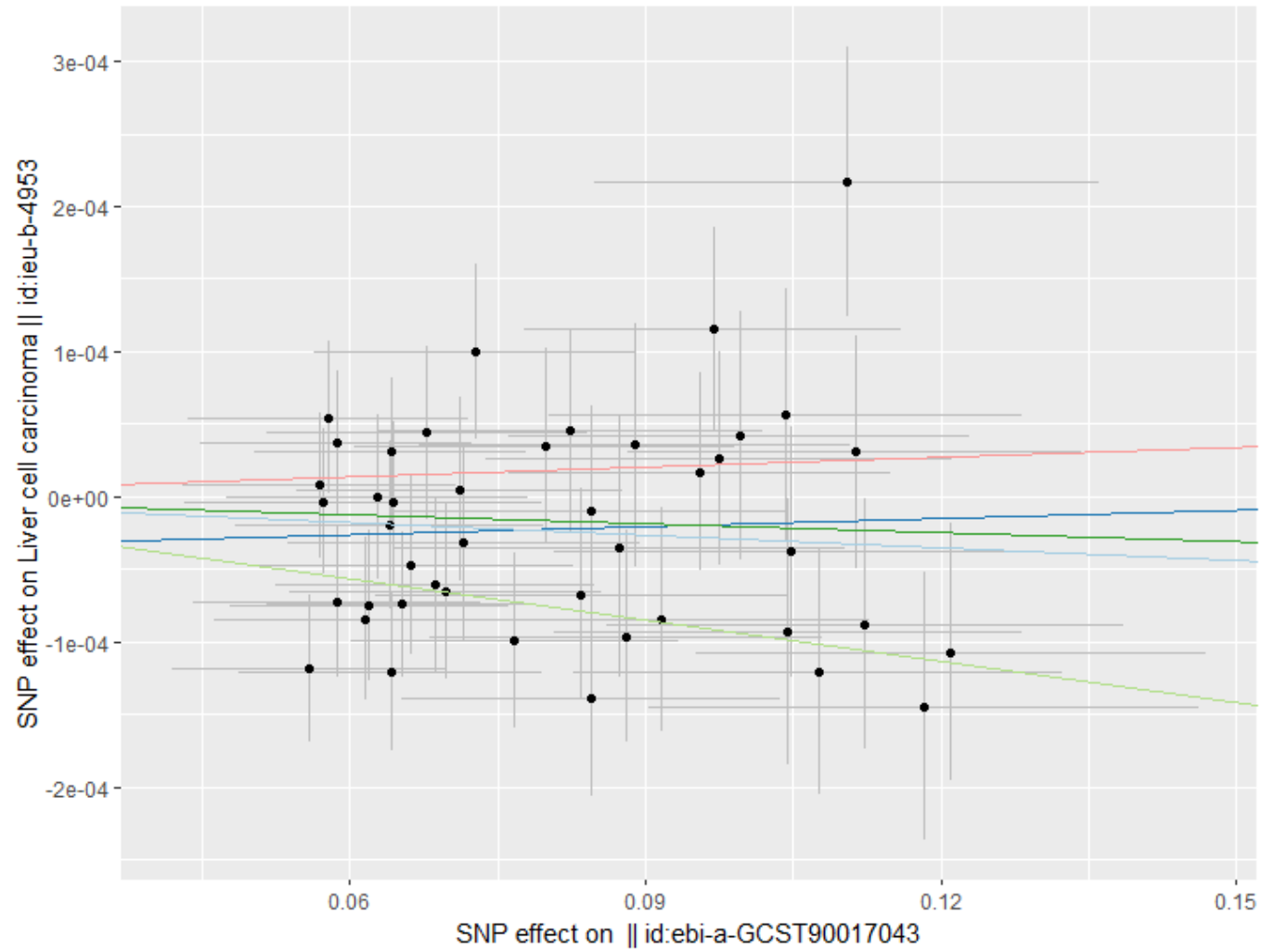
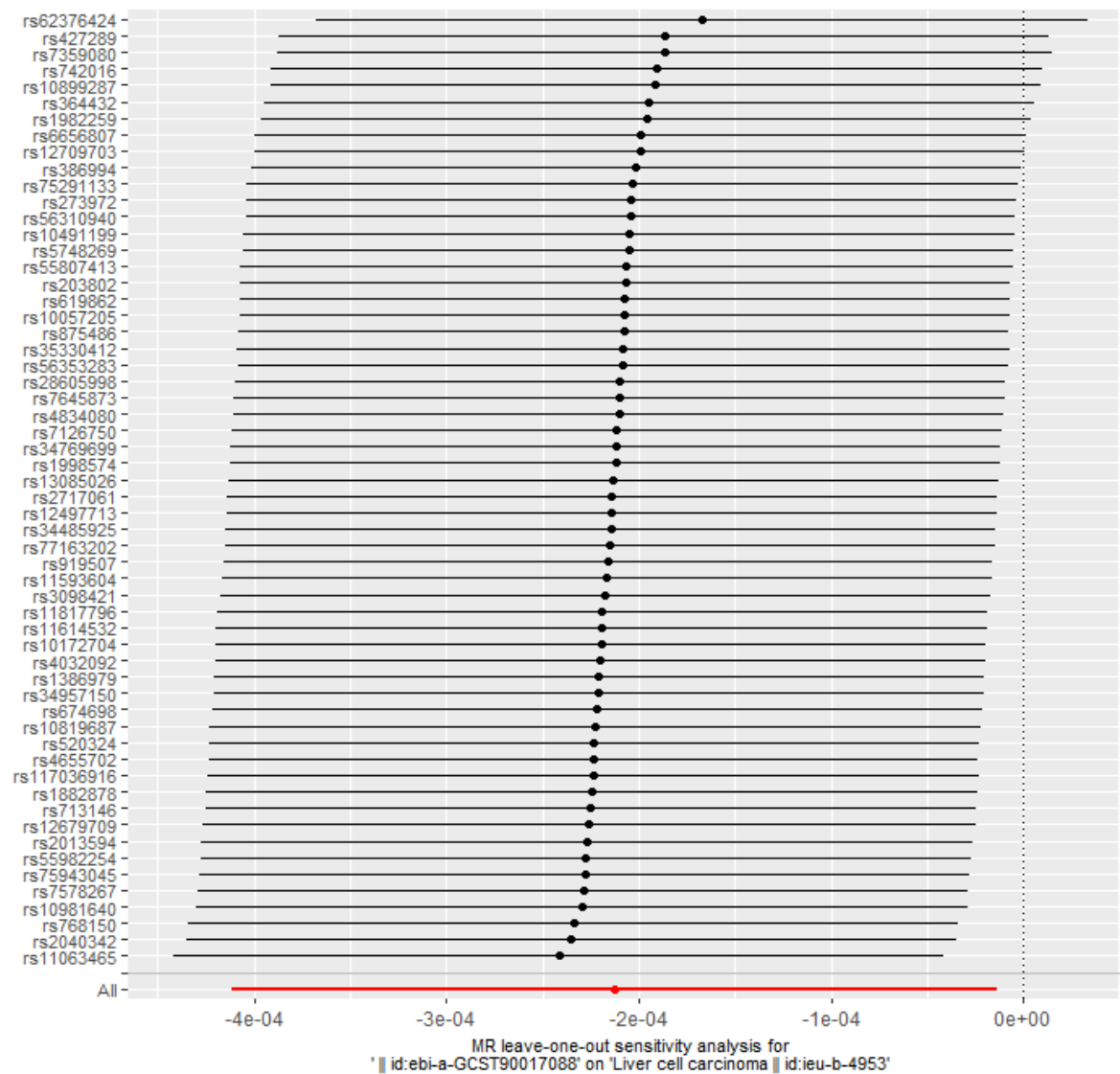
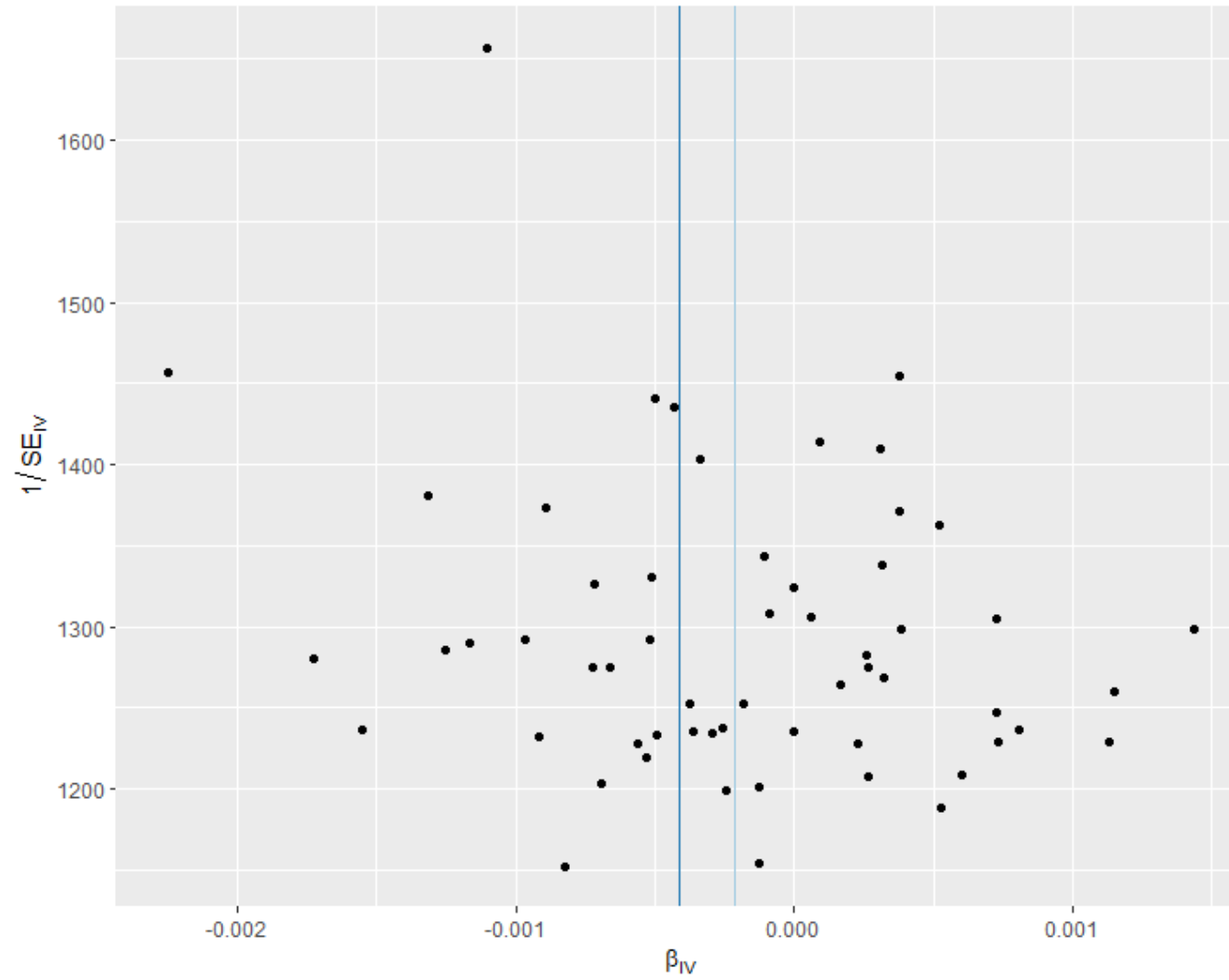


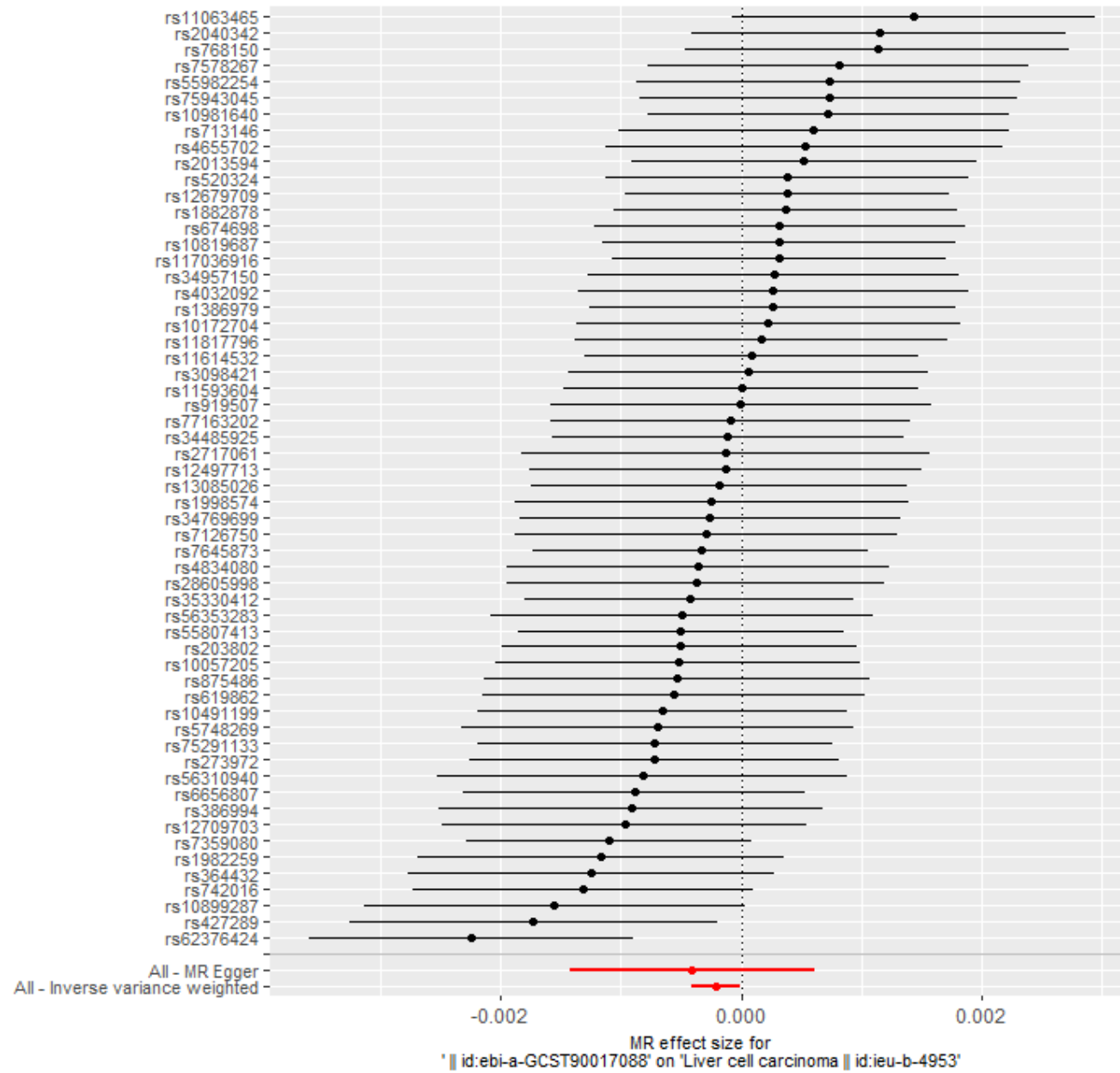
Figure 189 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Veillonella* id.2198) on liver cell carcinoma



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

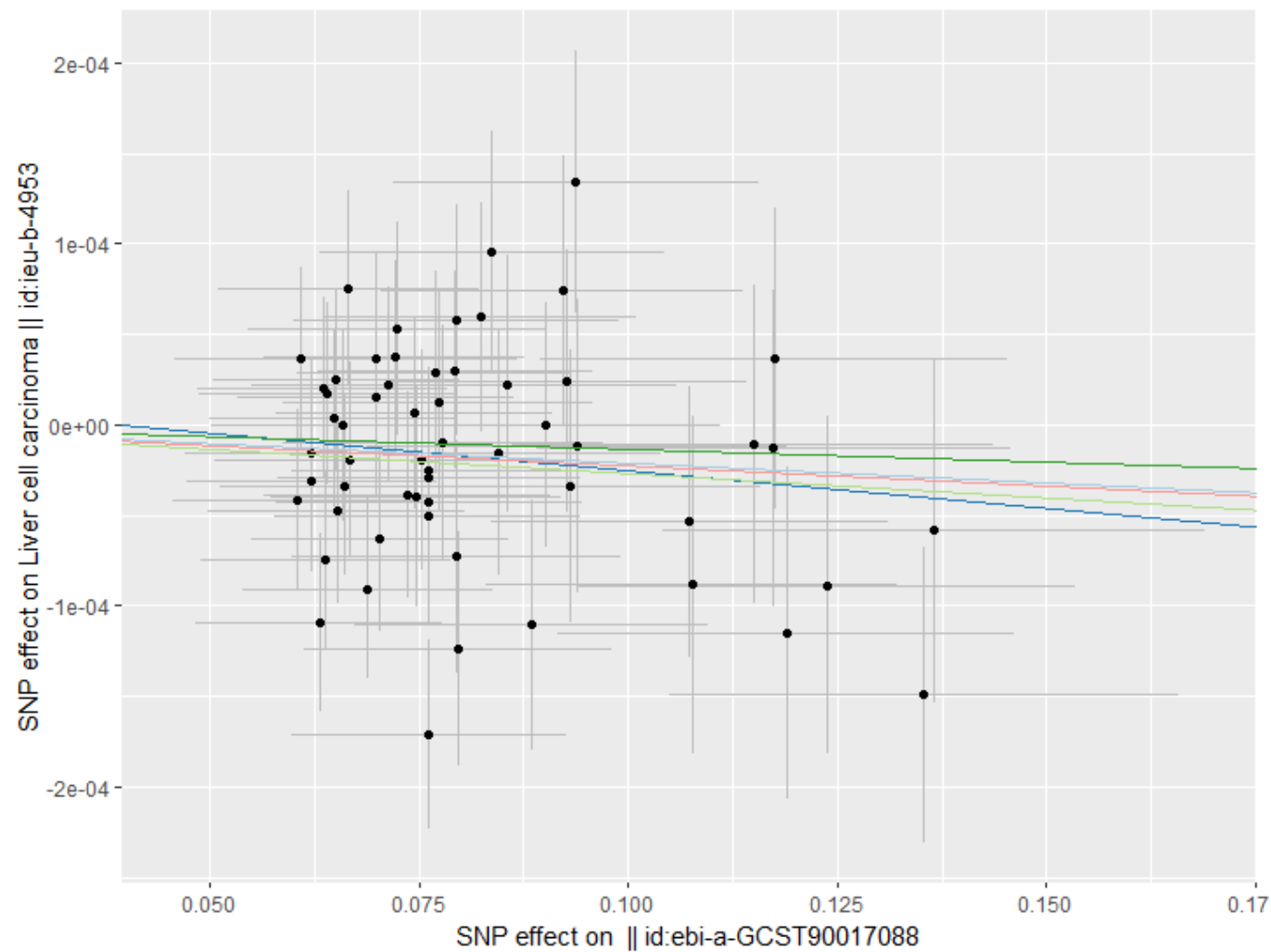
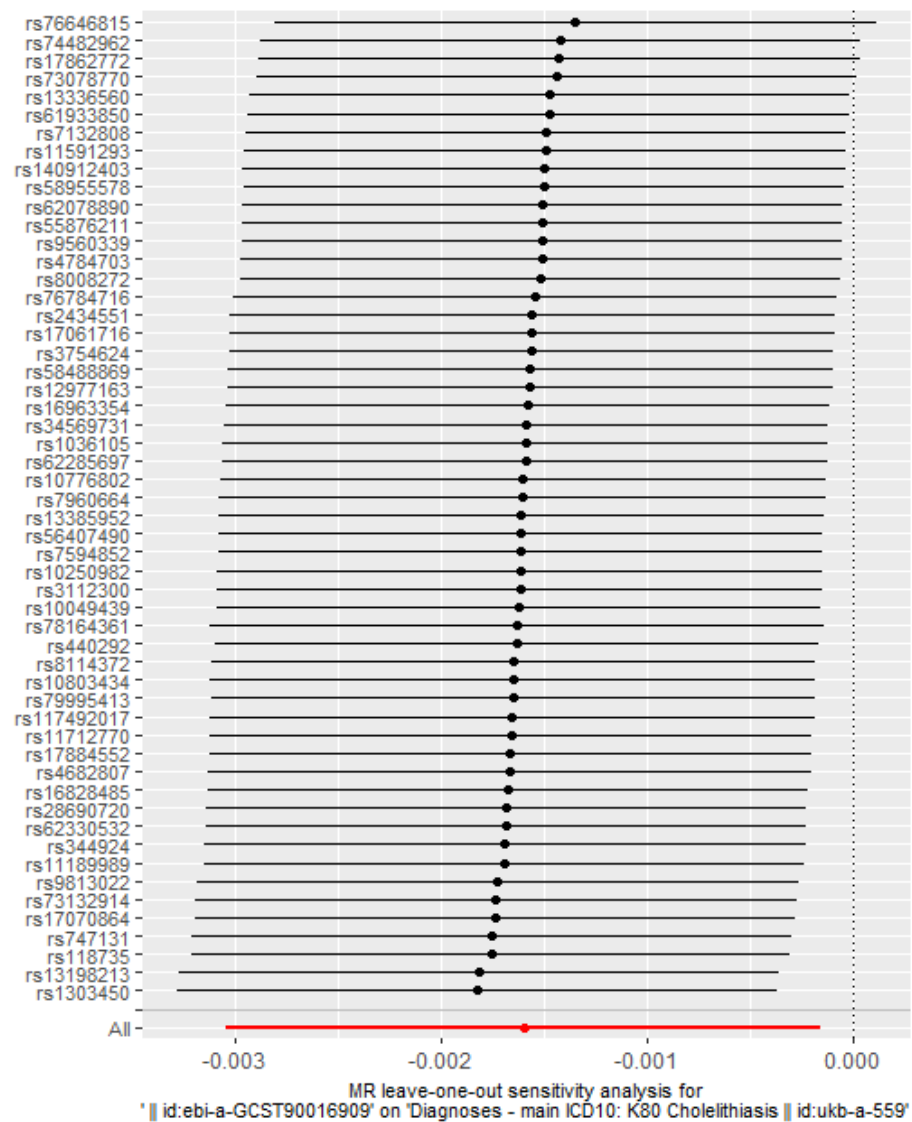
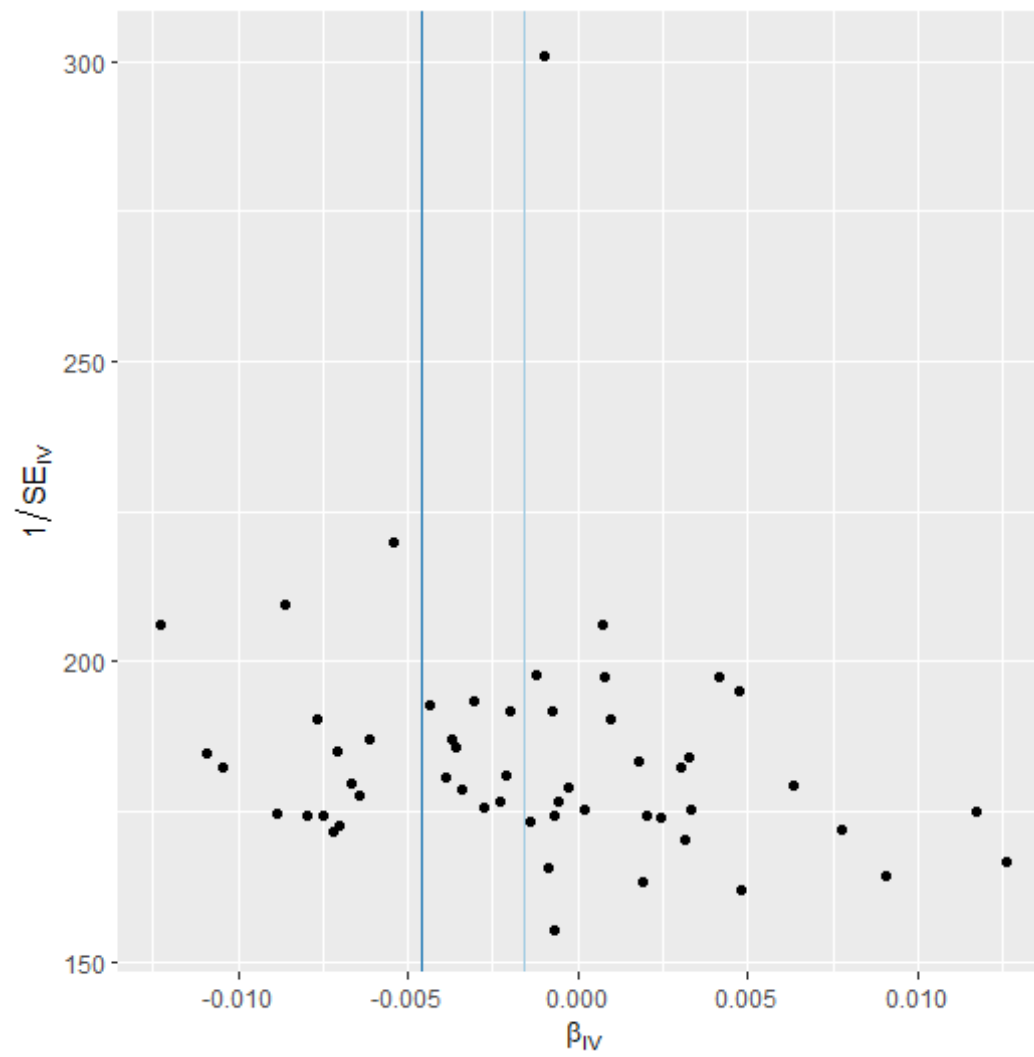


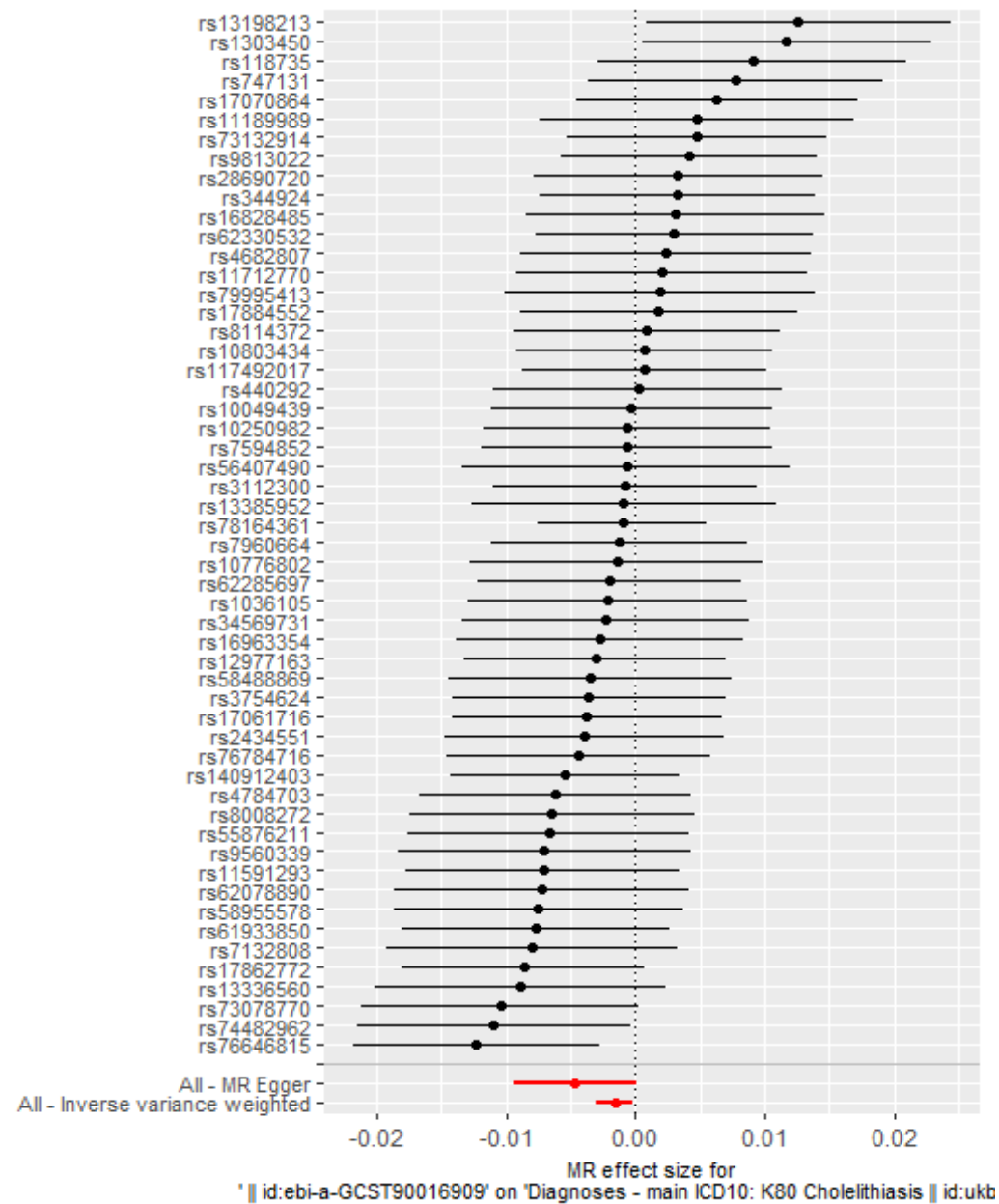
Figure 190 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Alphaproteobacteria id.2379) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





Diagnoses - main ICD10: K80 Cholelithiasis || id:ukb-a-55

MR Test

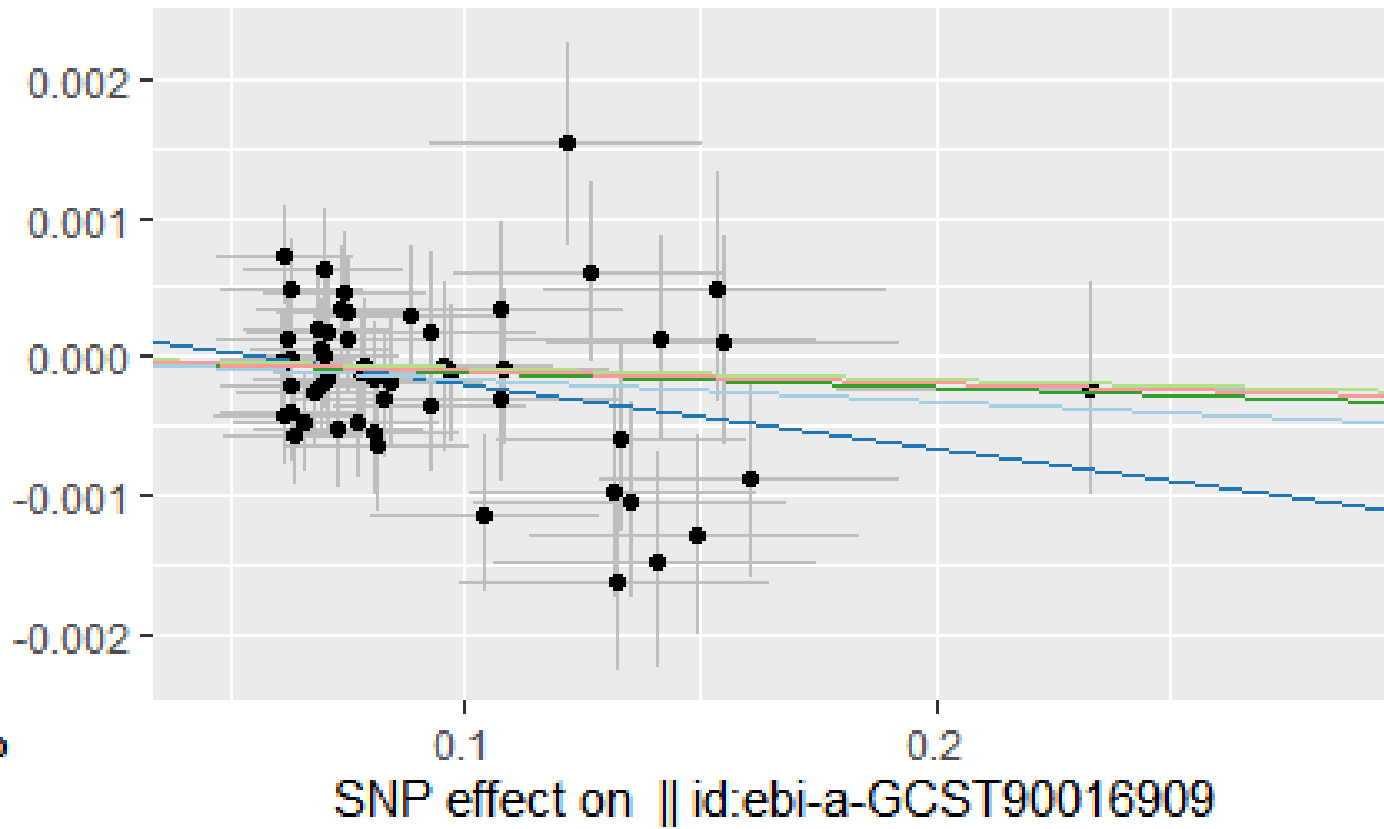
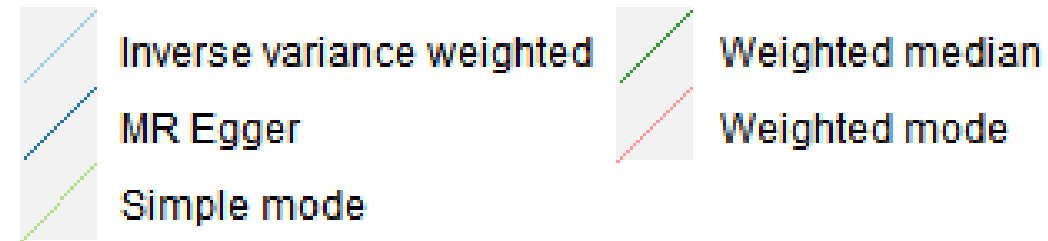
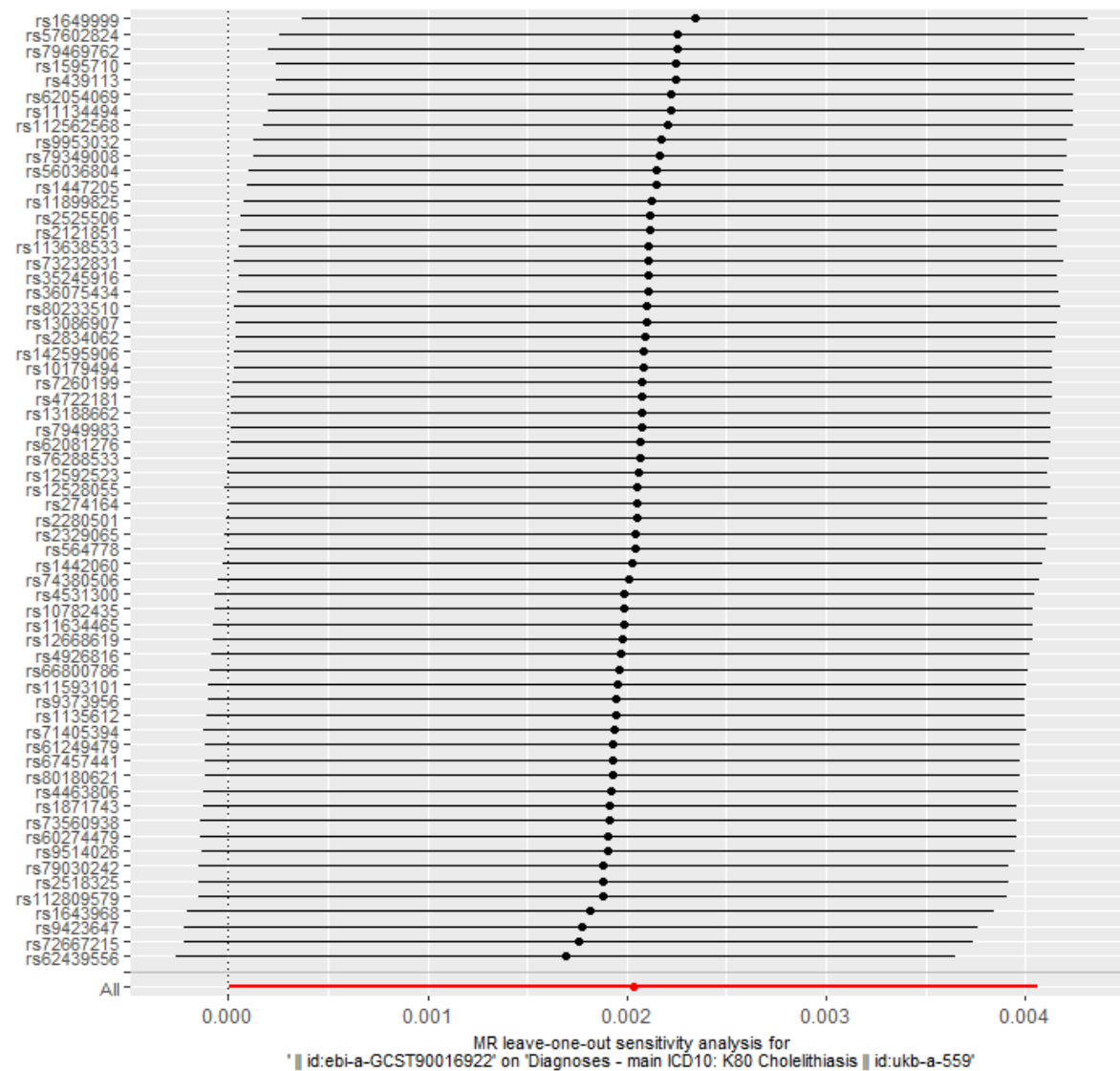
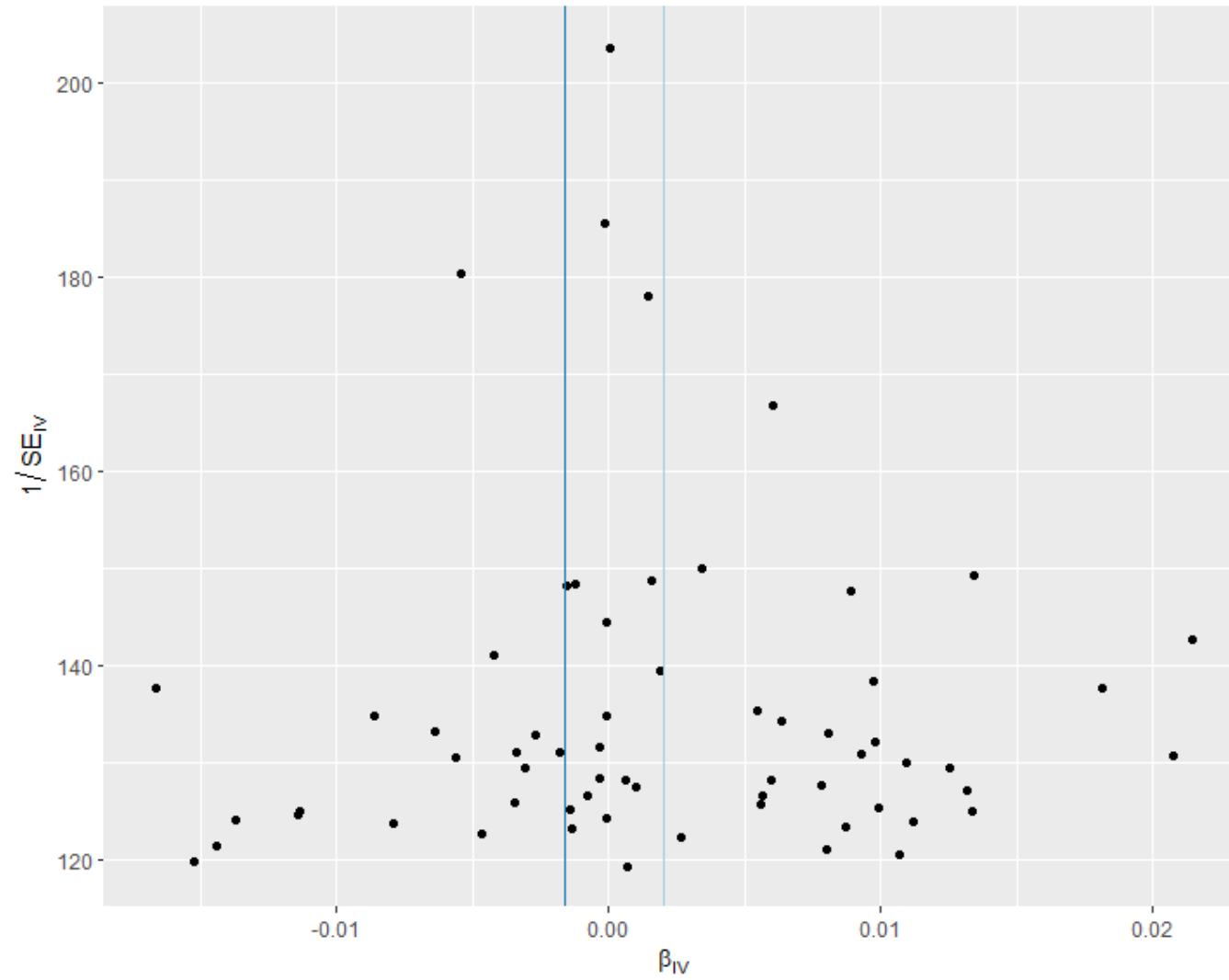


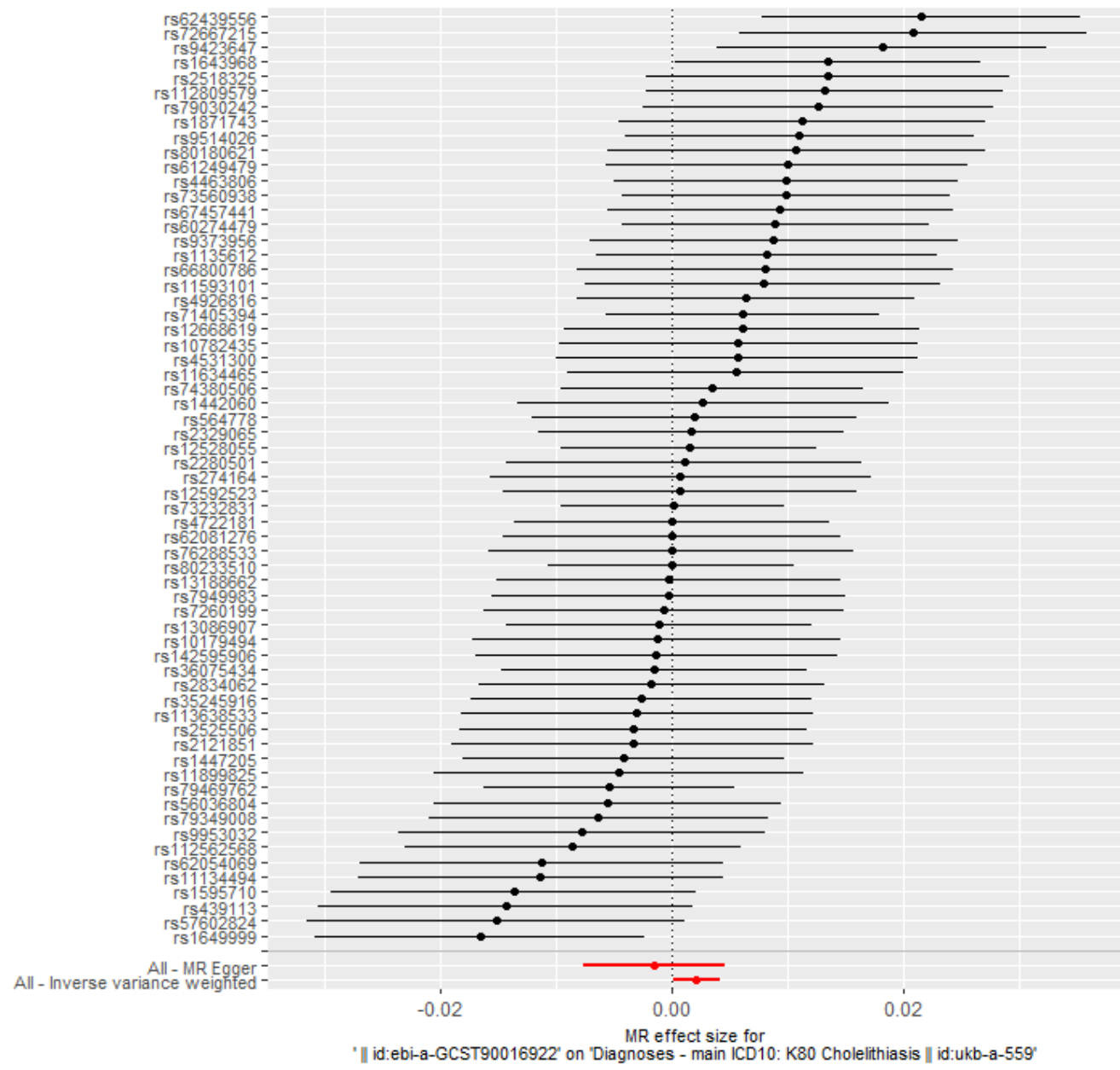
Figure 191 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Negativicutes id.2164) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

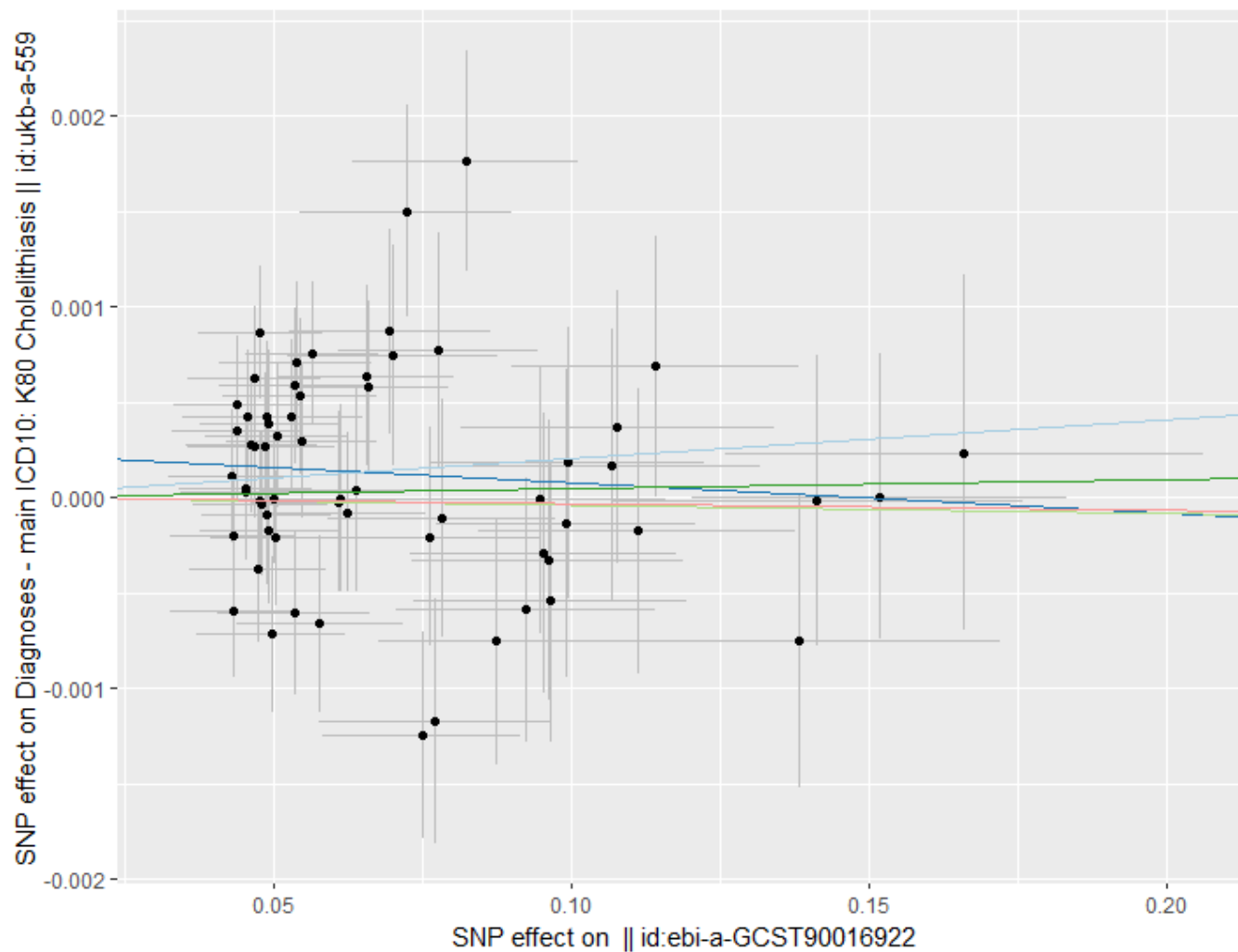
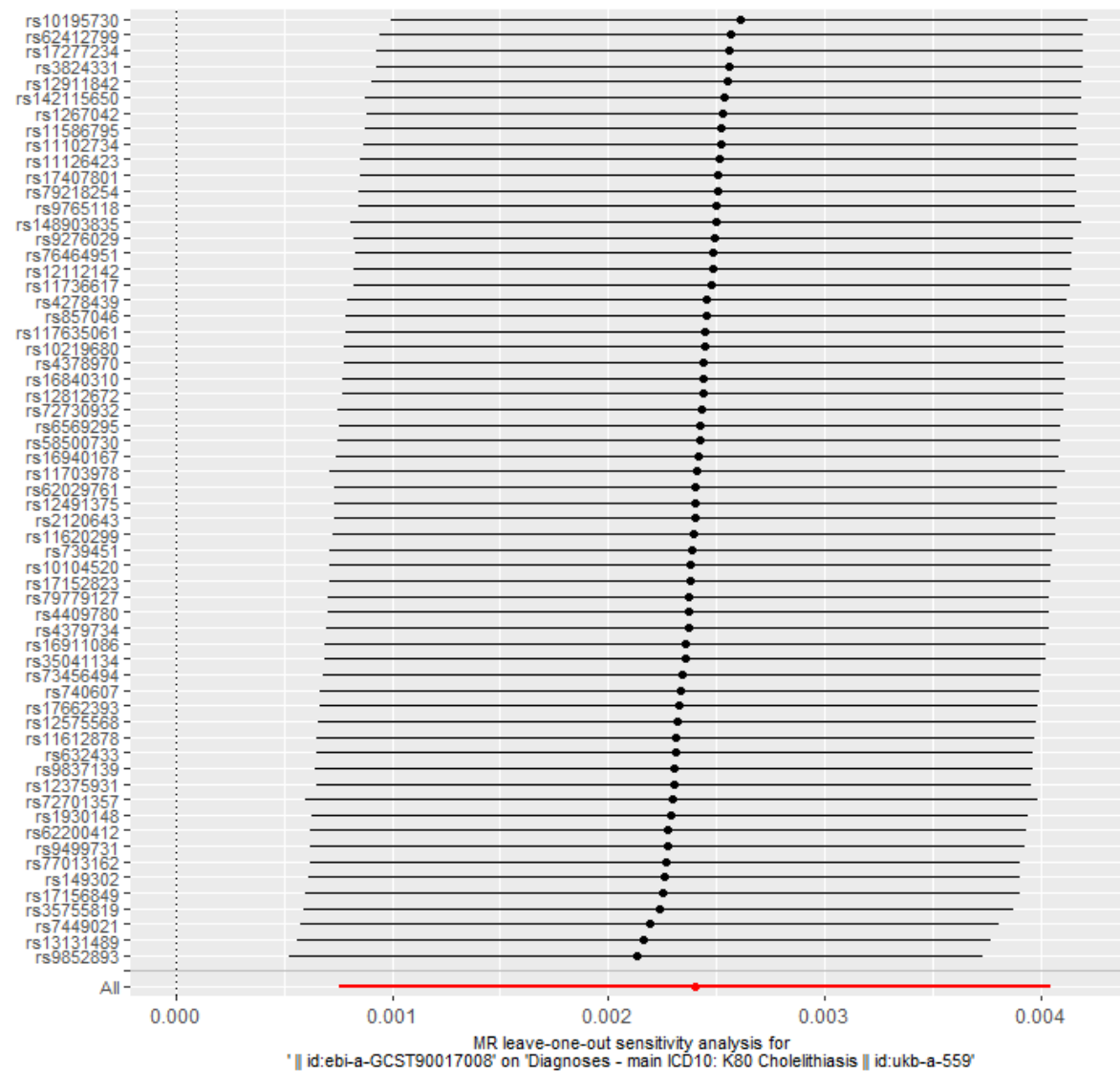
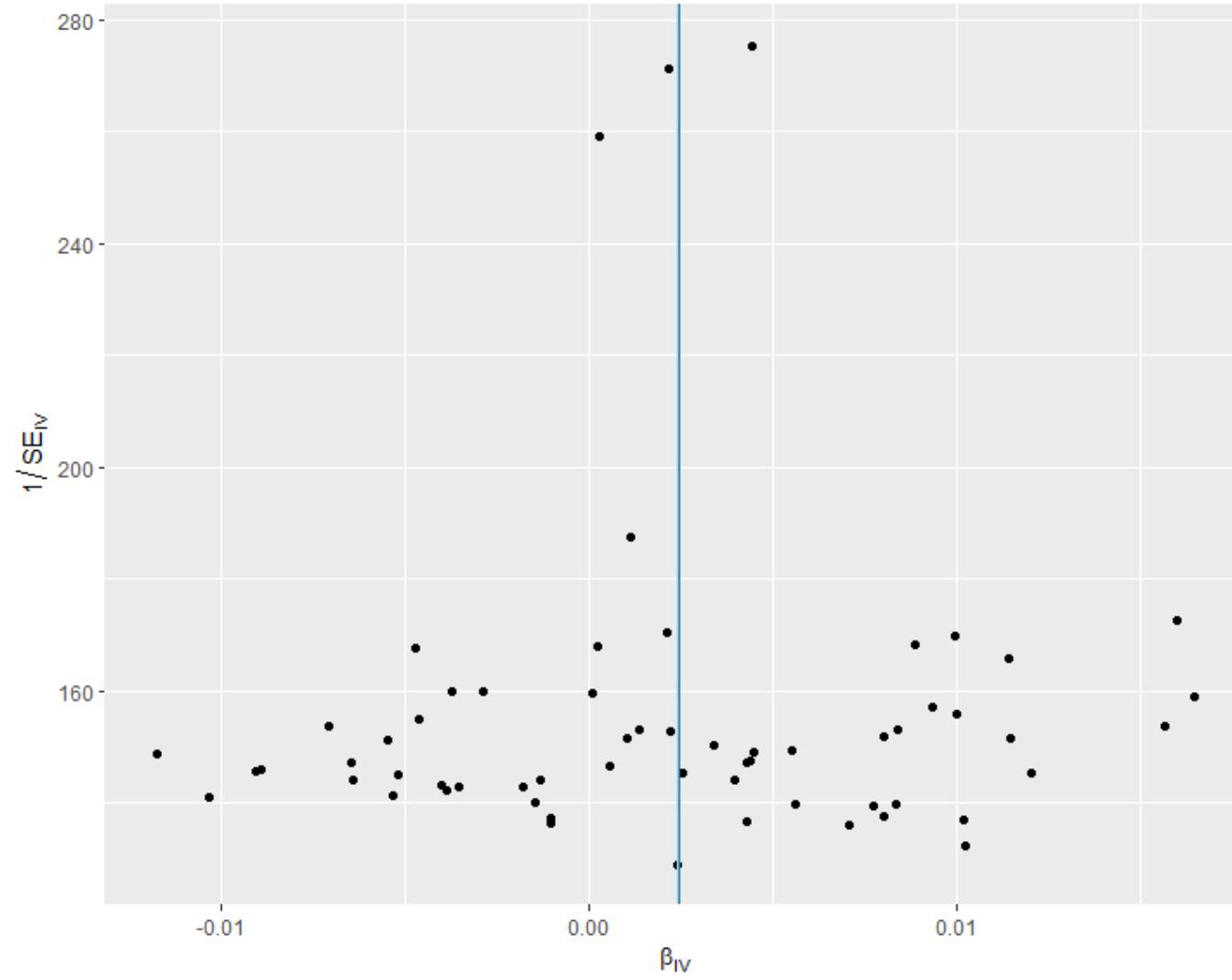


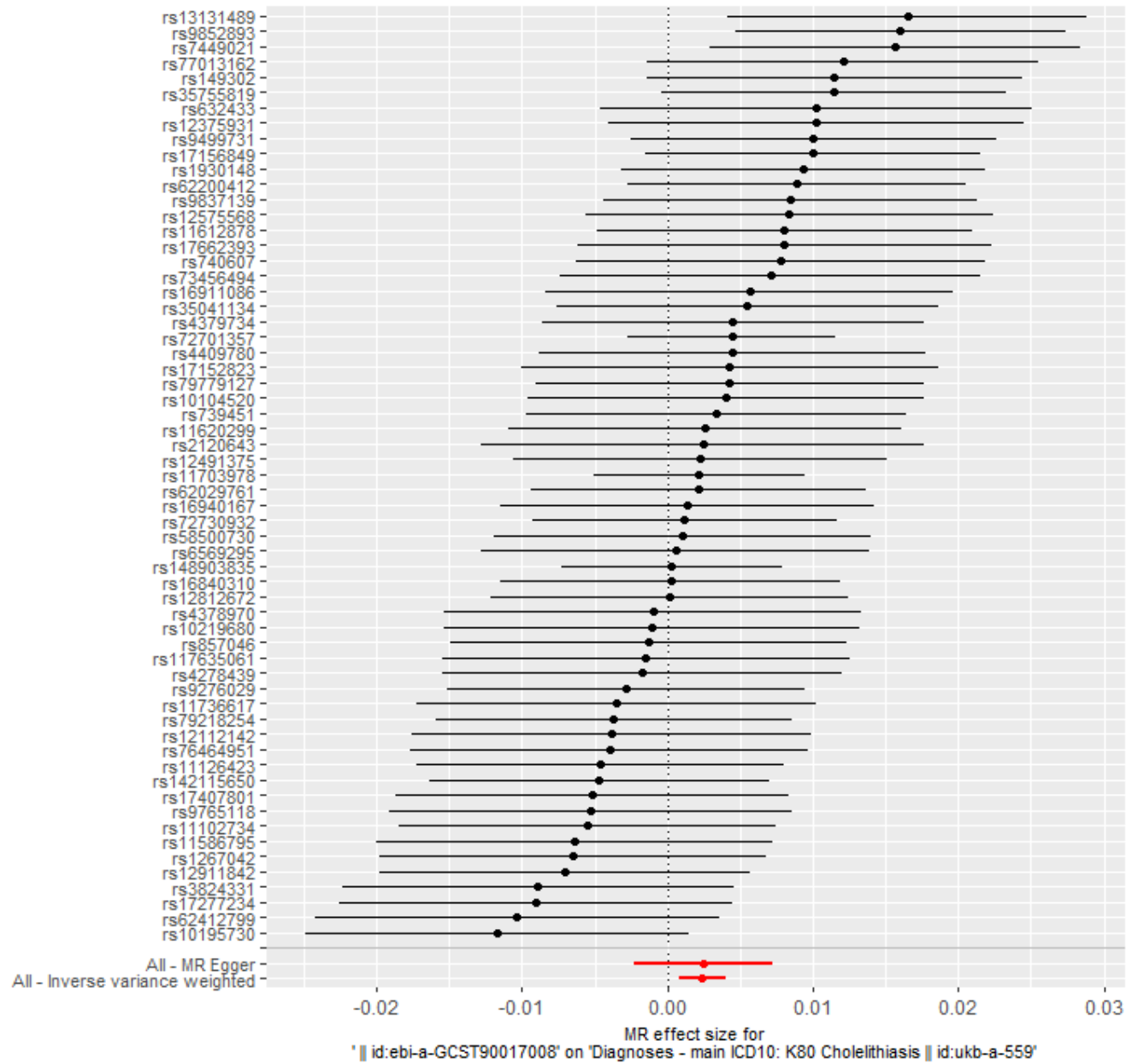
Figure 192 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Family XIII AD3011 group id.11293) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

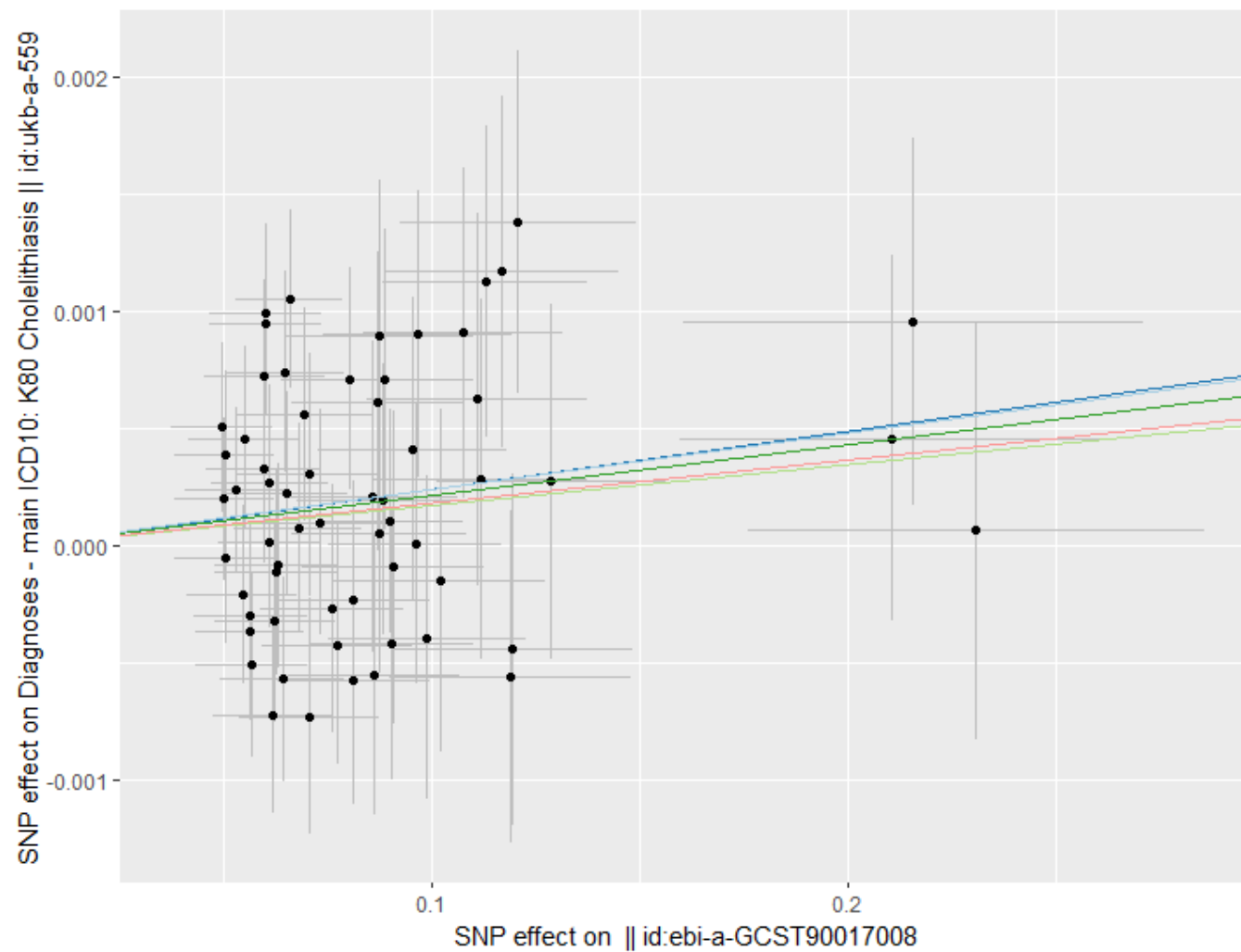
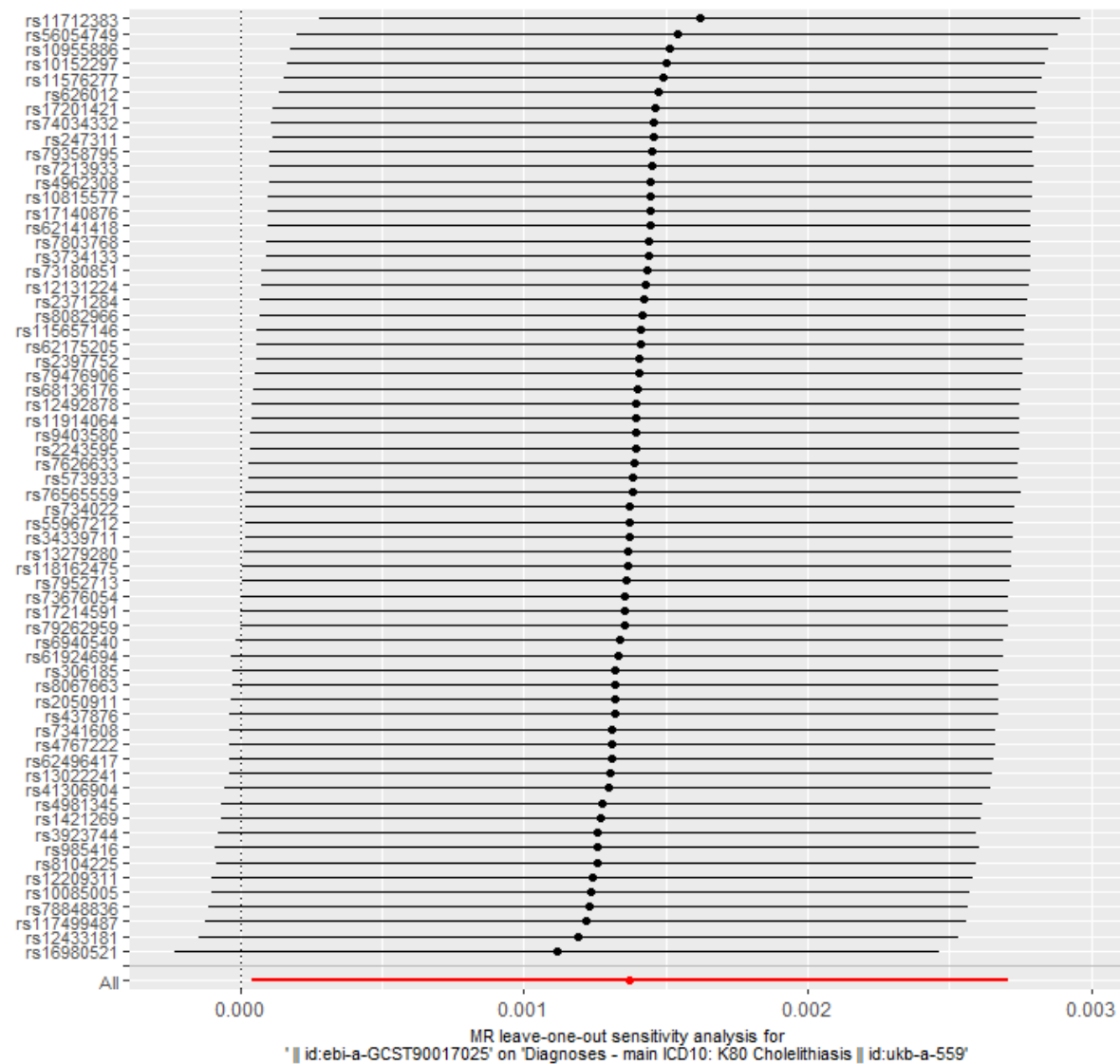
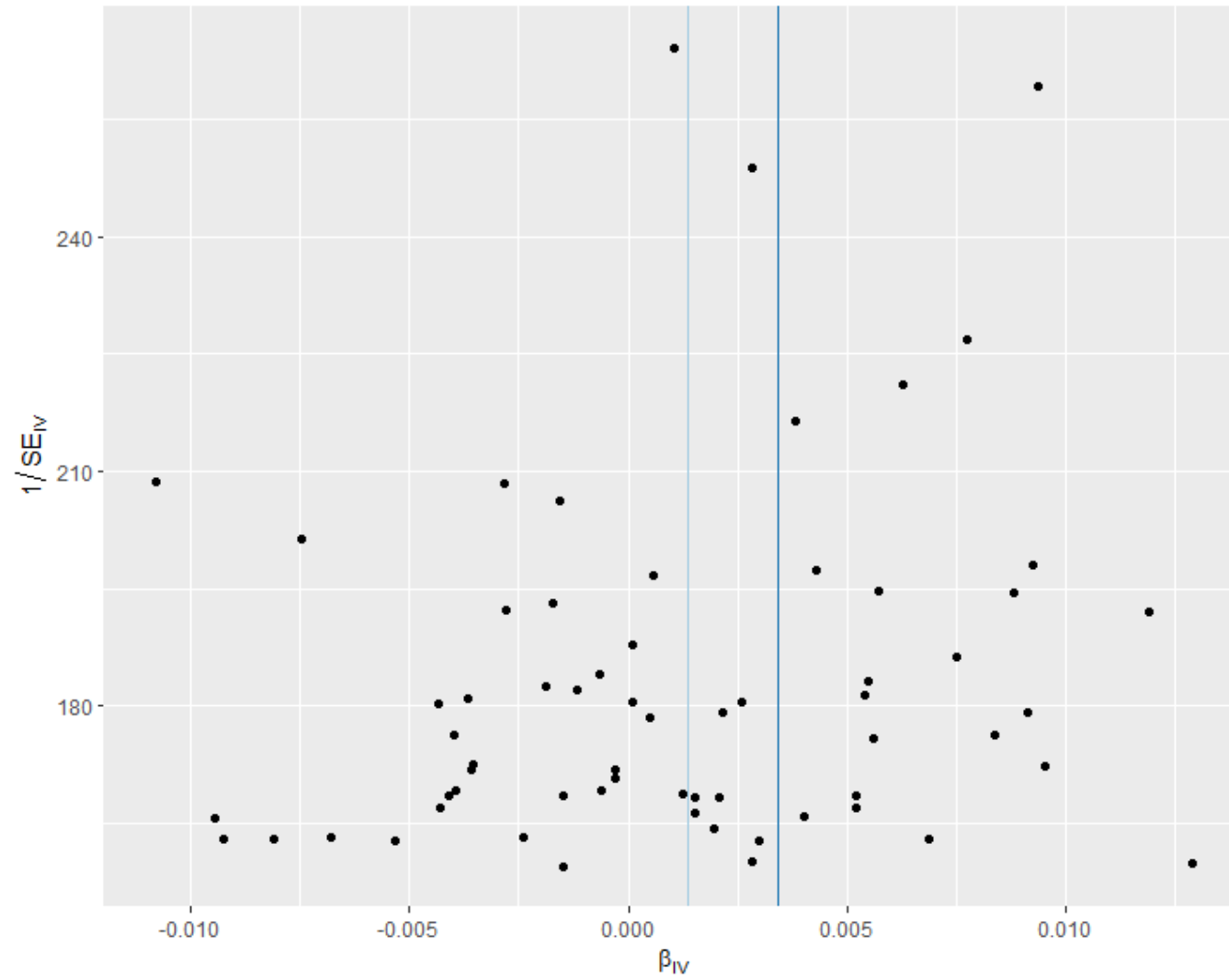


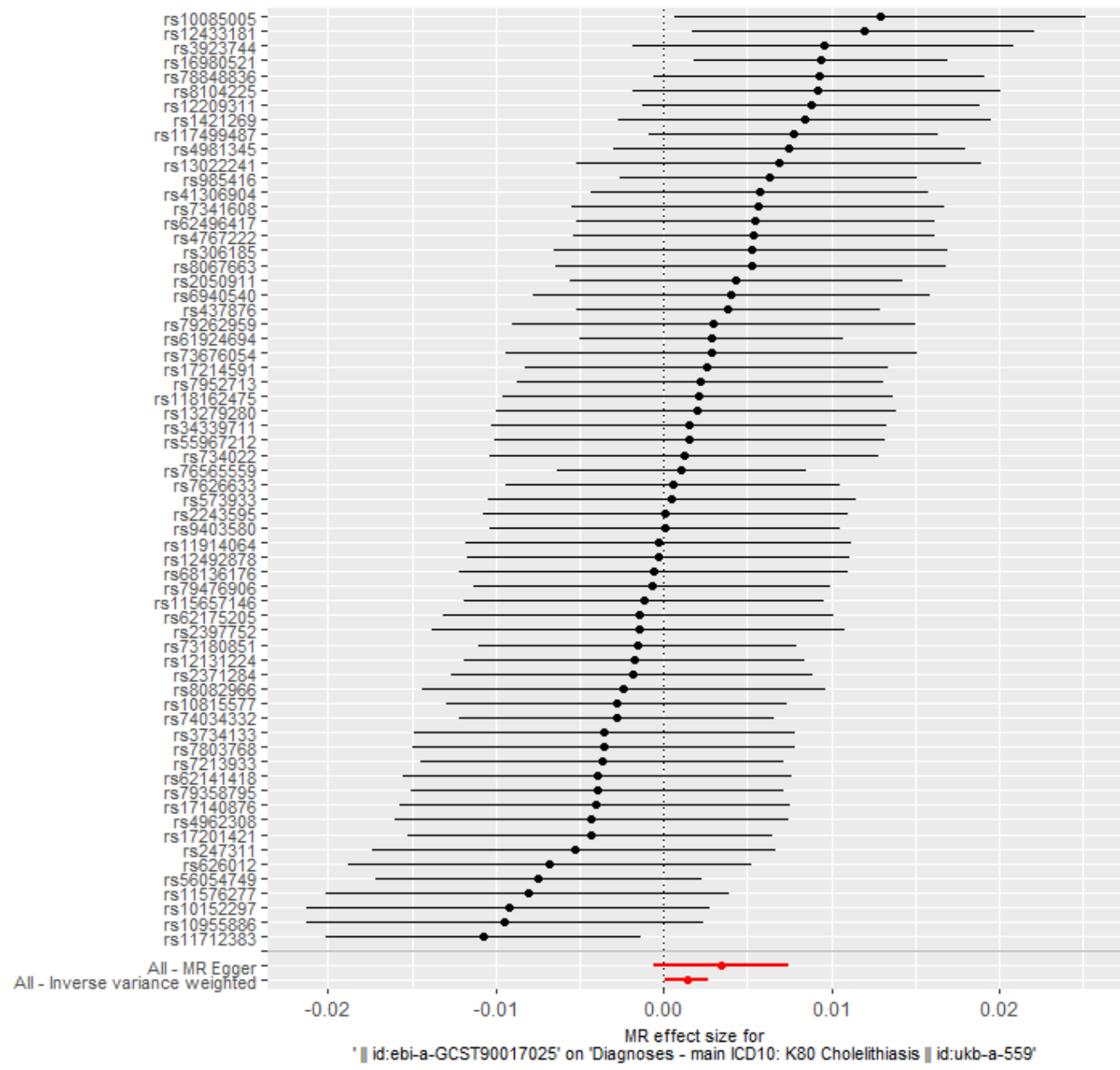
Figure 193 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

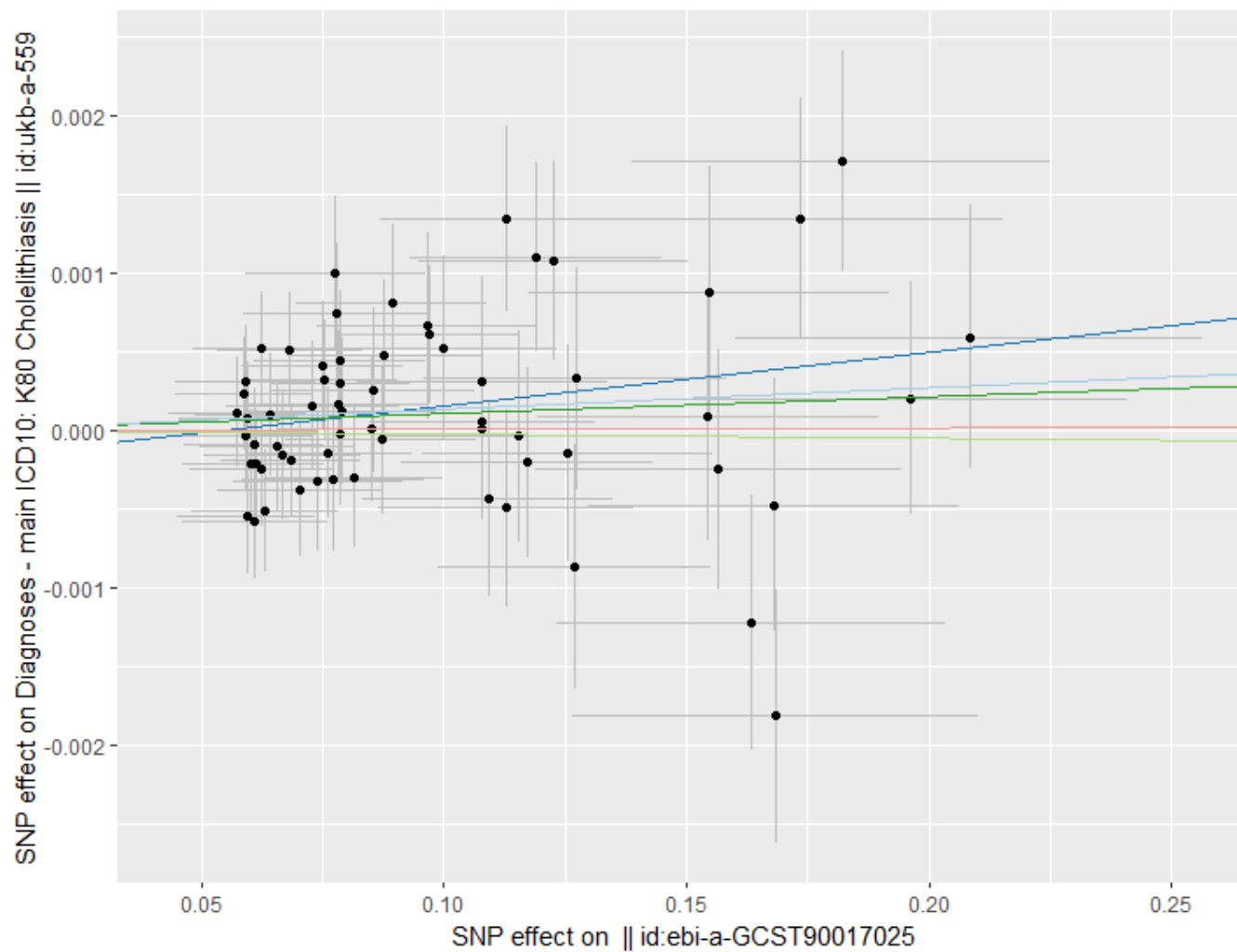
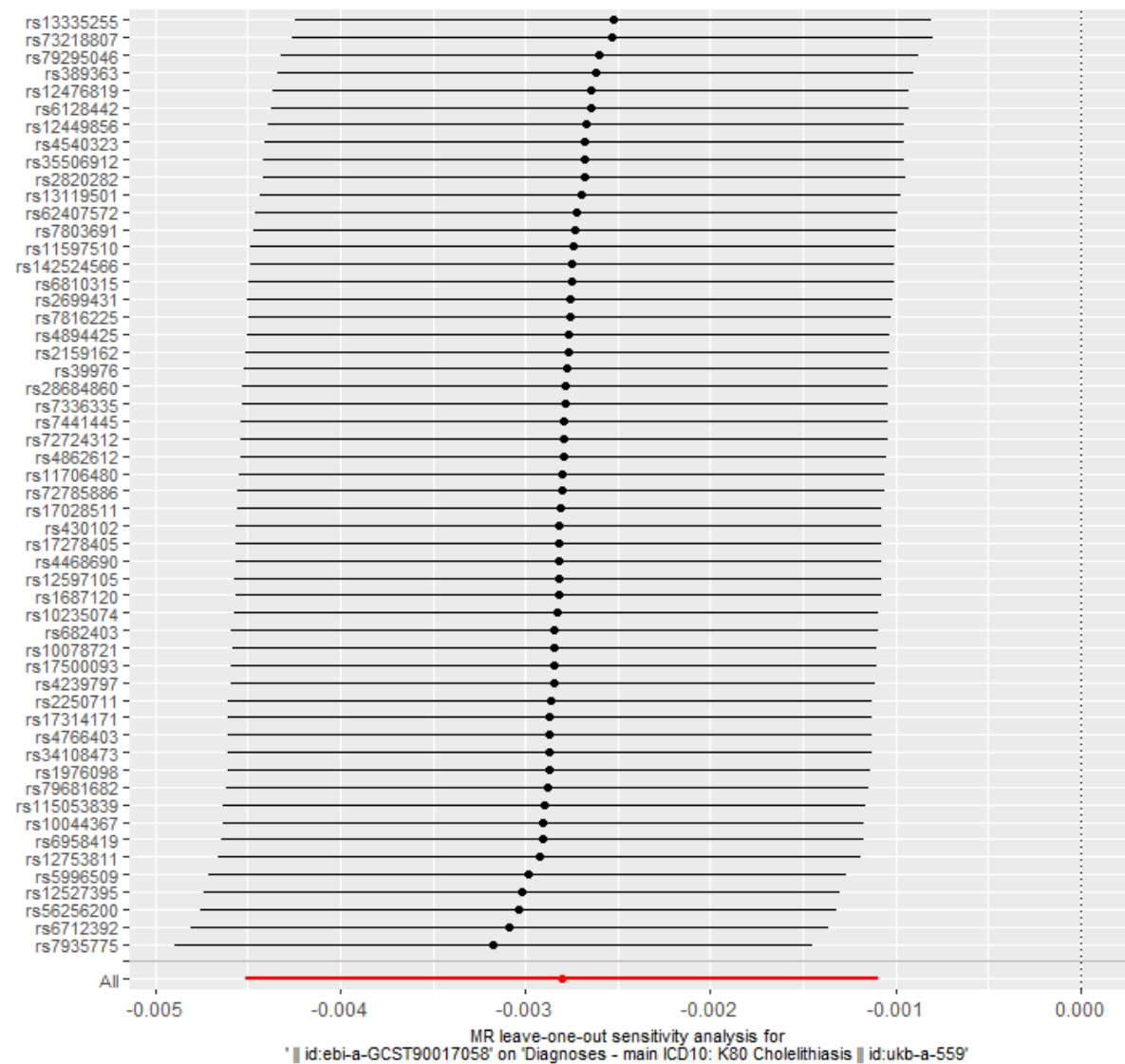
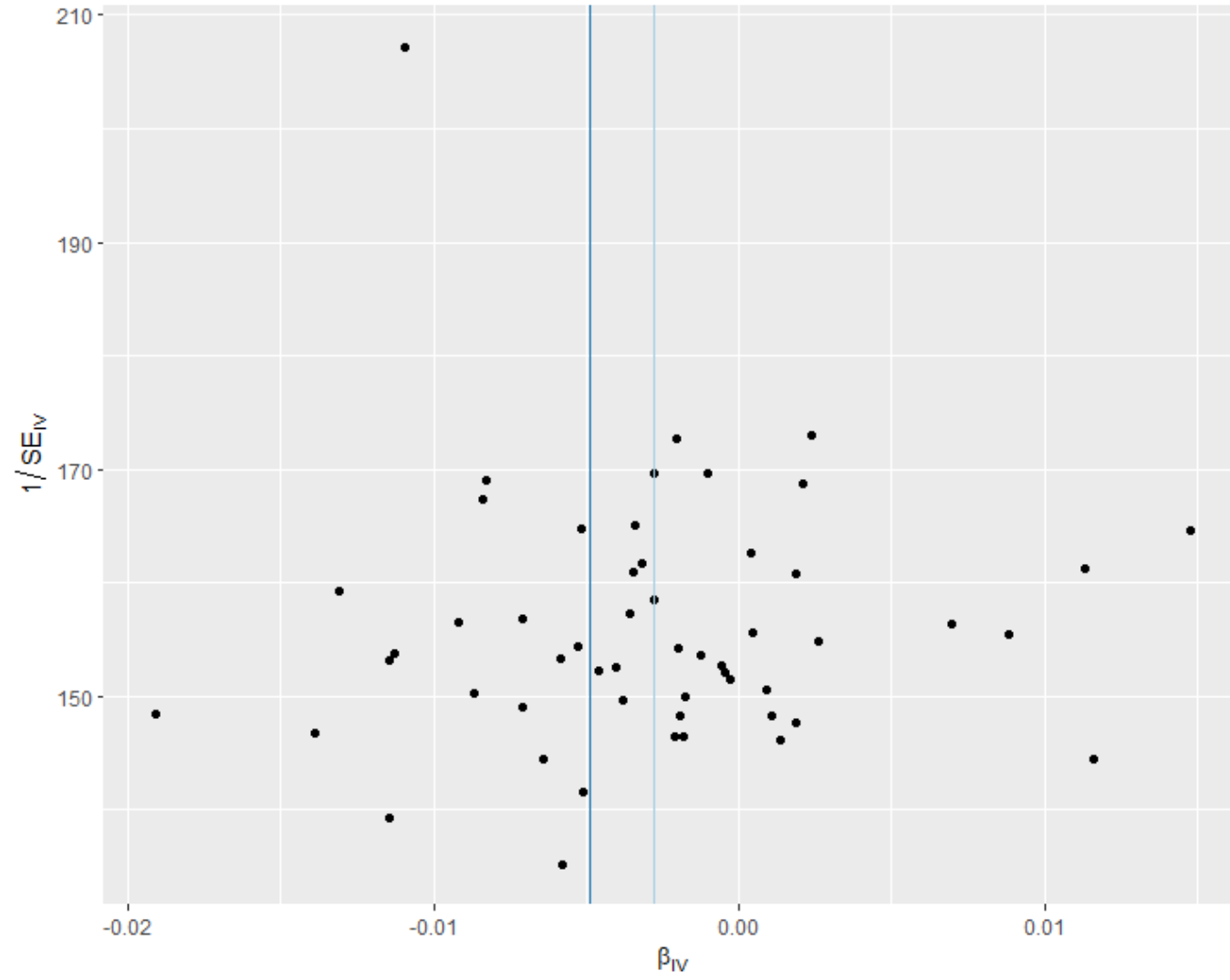


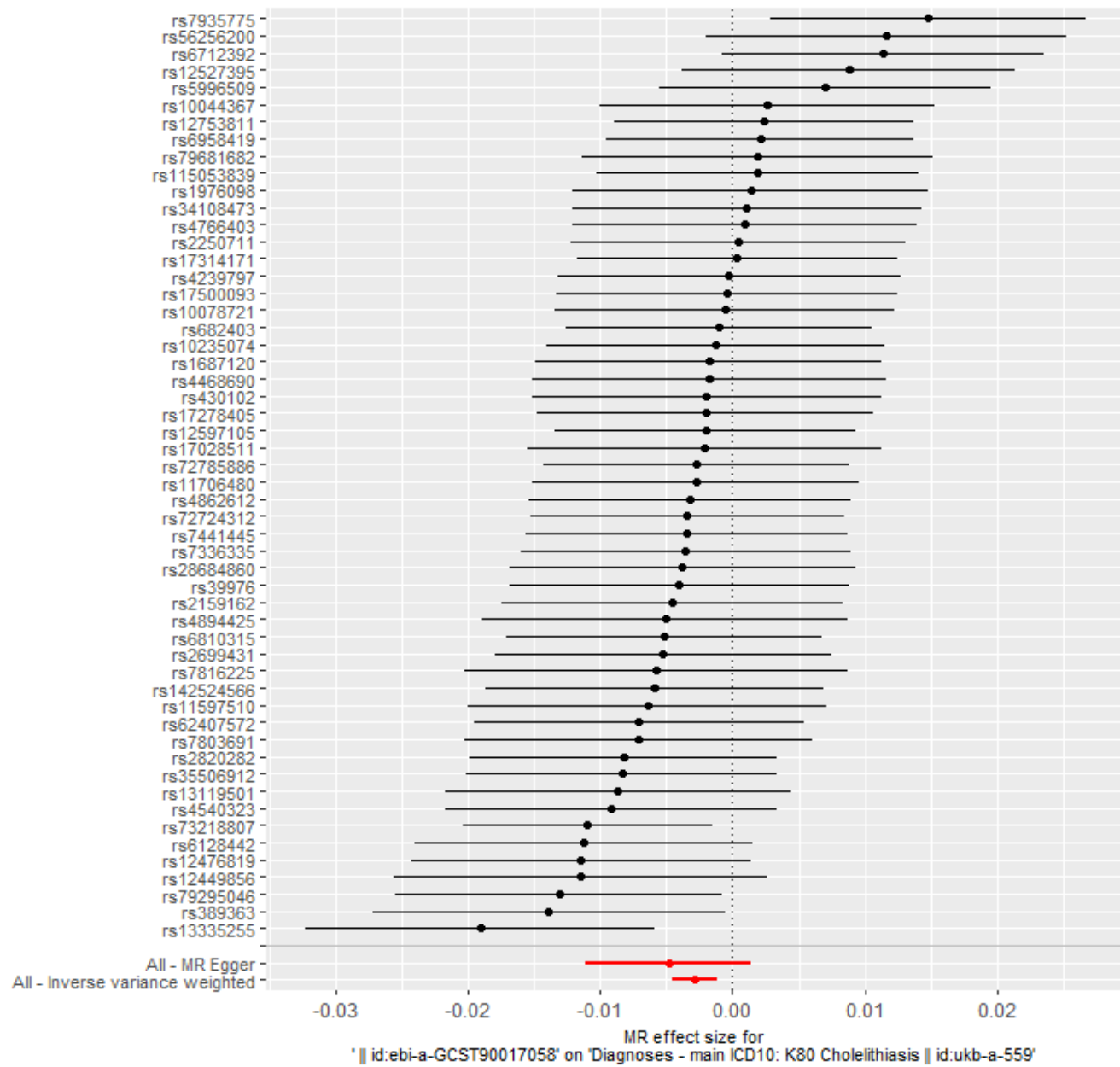
Figure 194 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

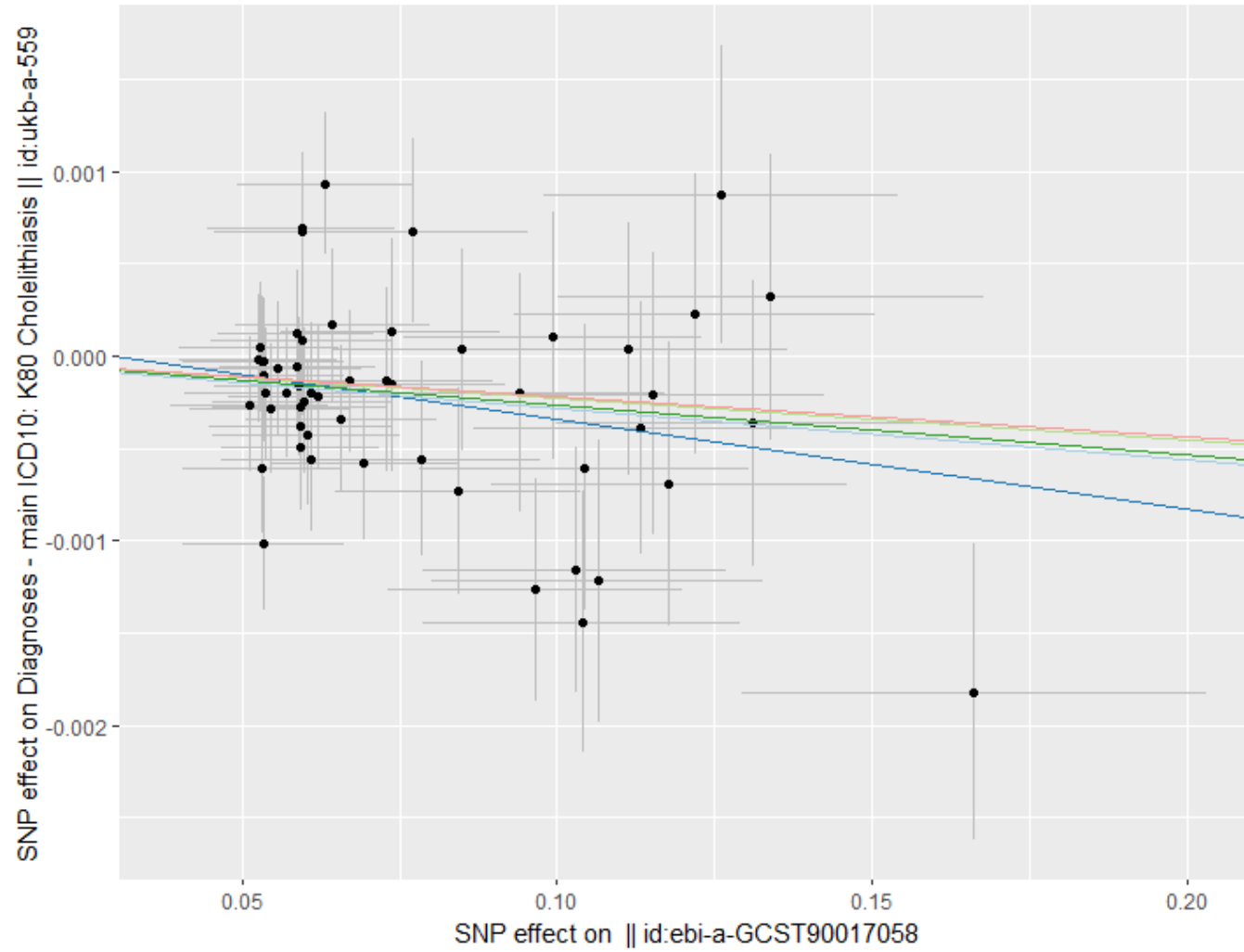
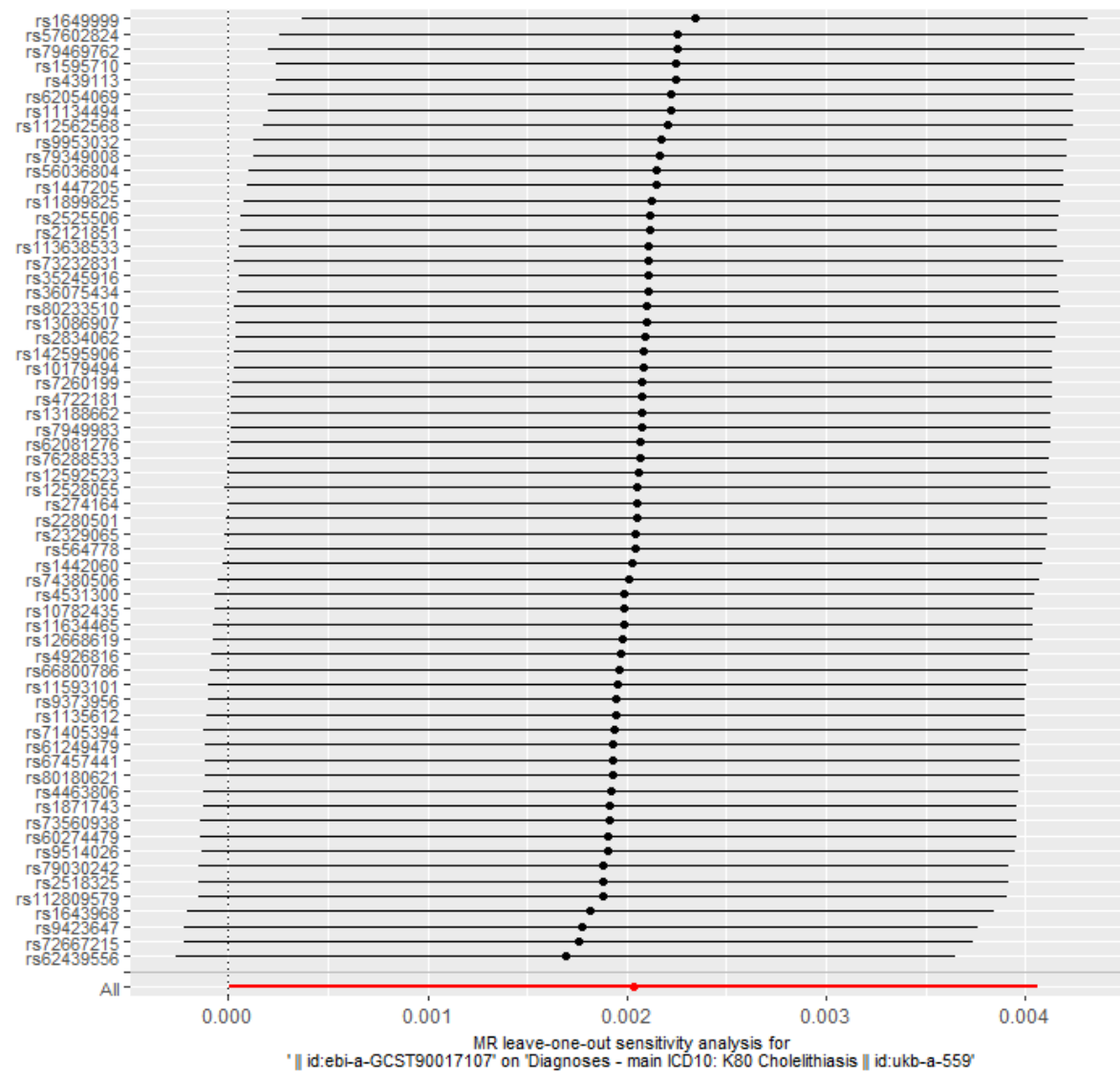
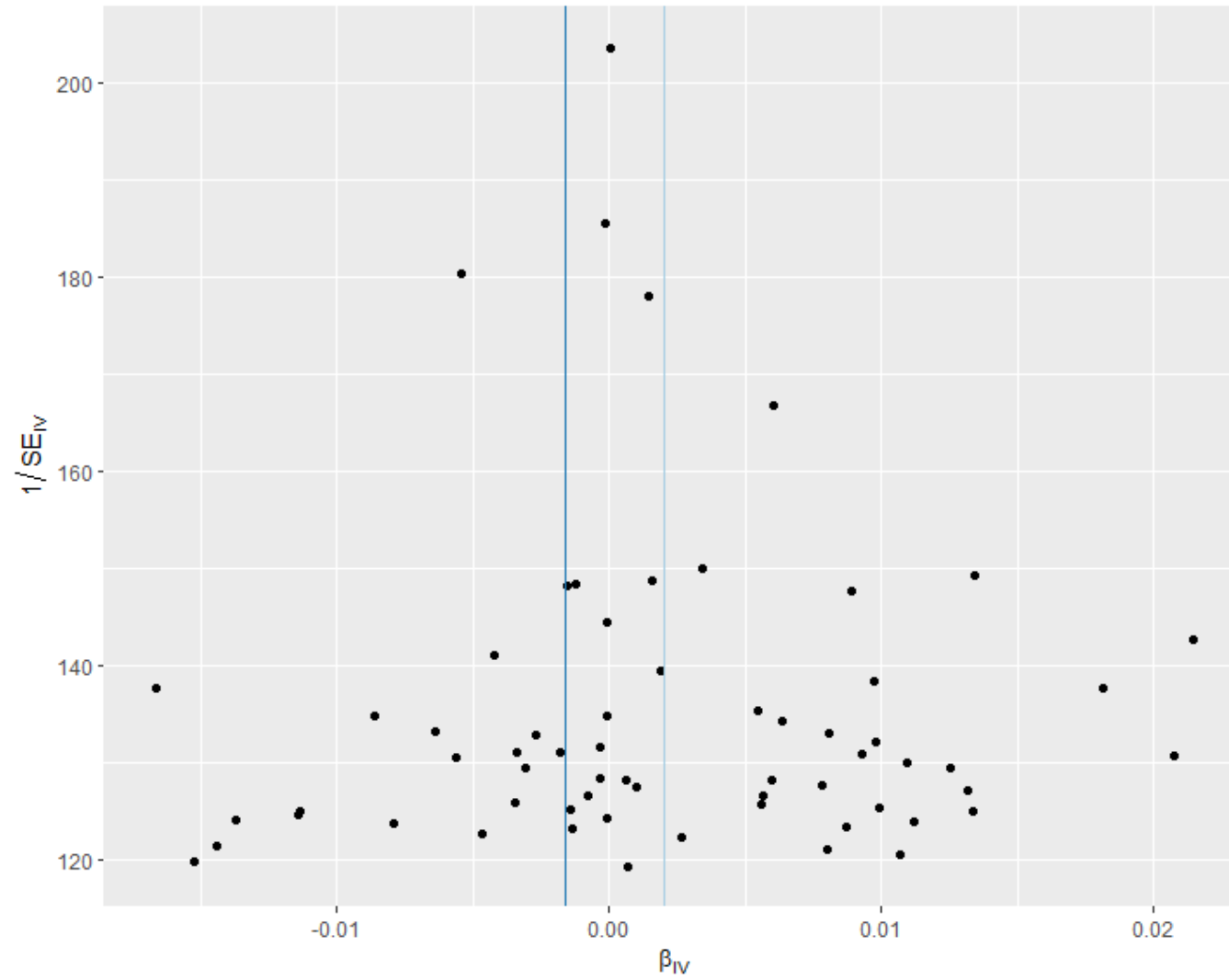


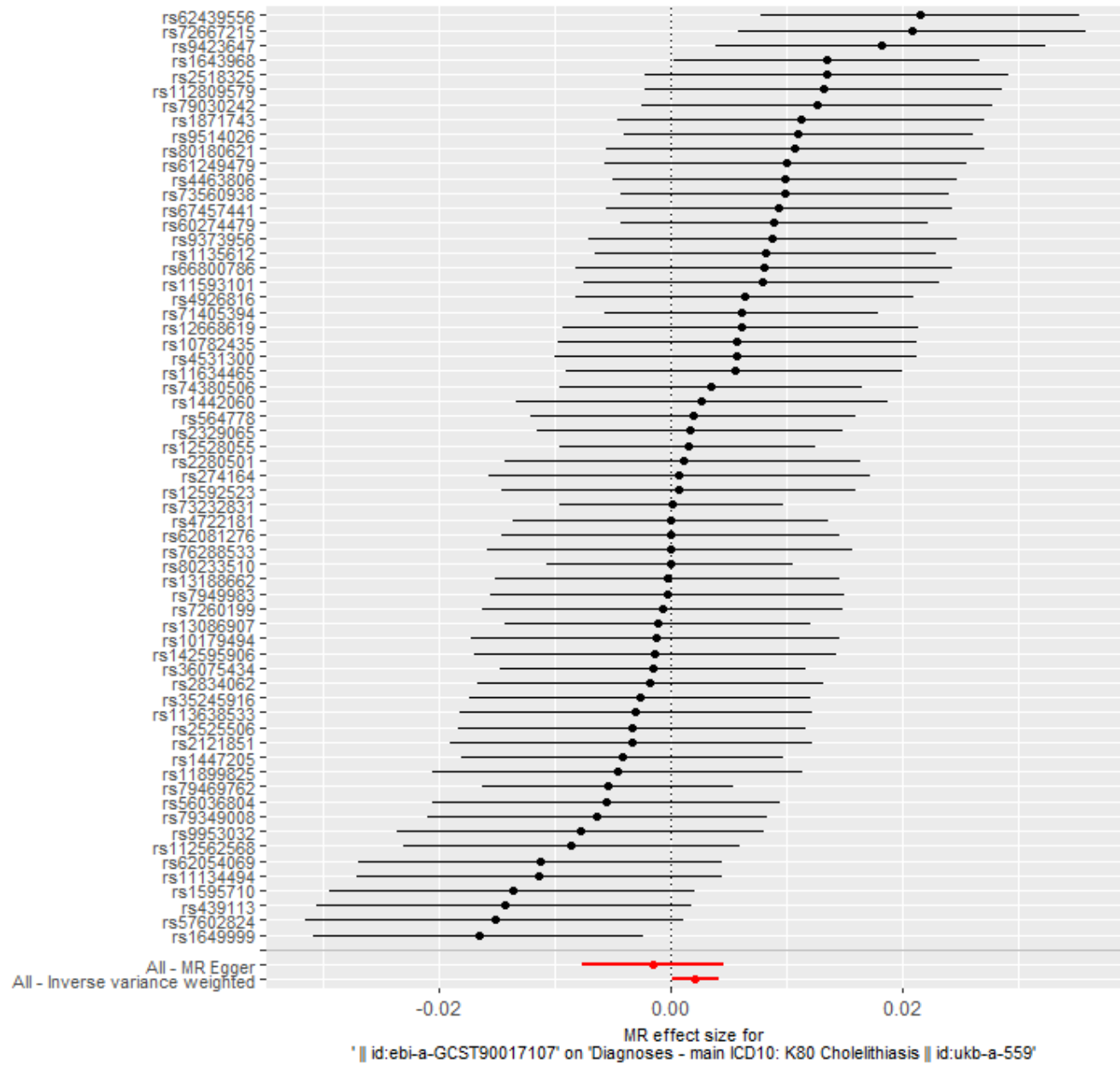
Figure 195 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Selenomonadales id.2165) on cholelithiasis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

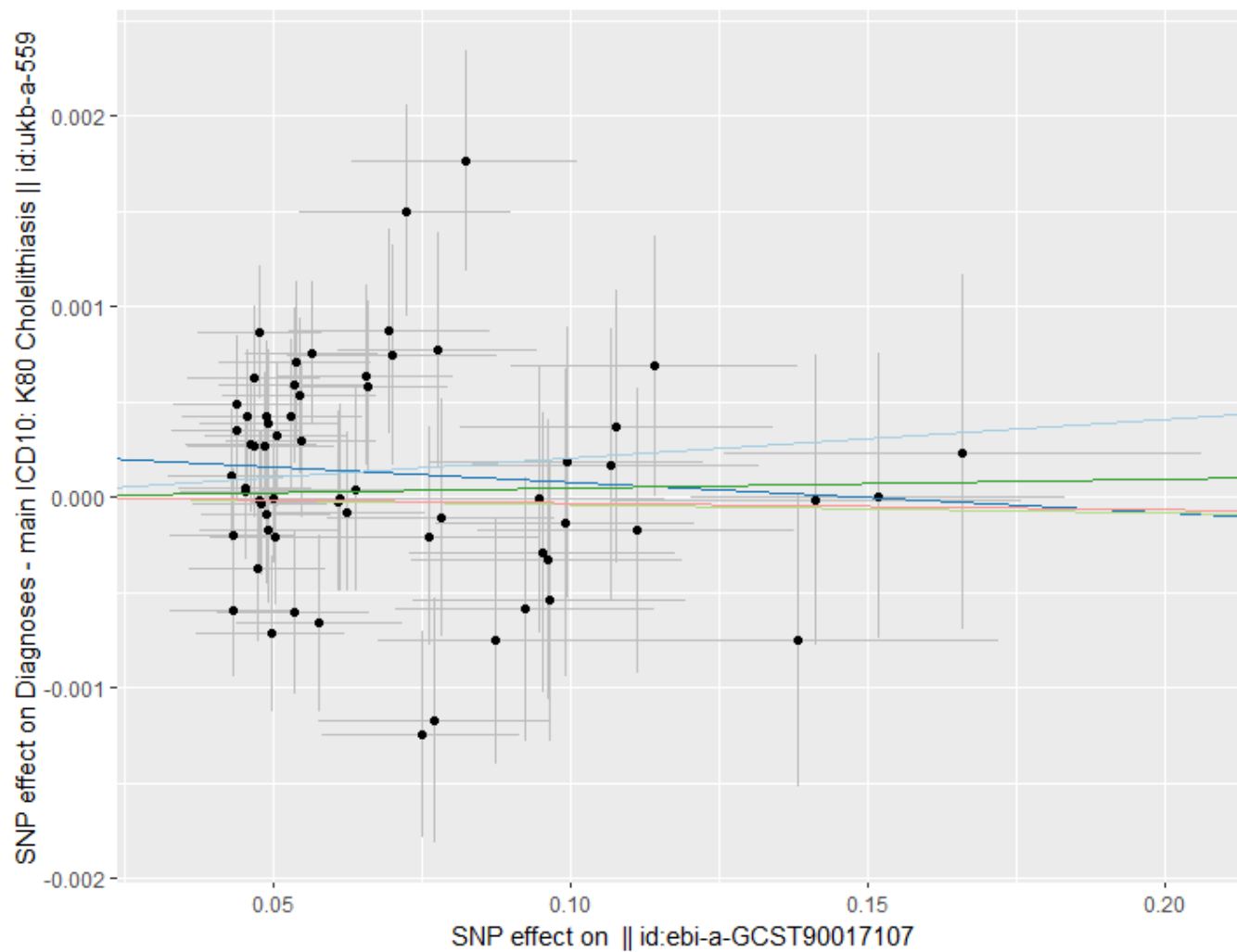
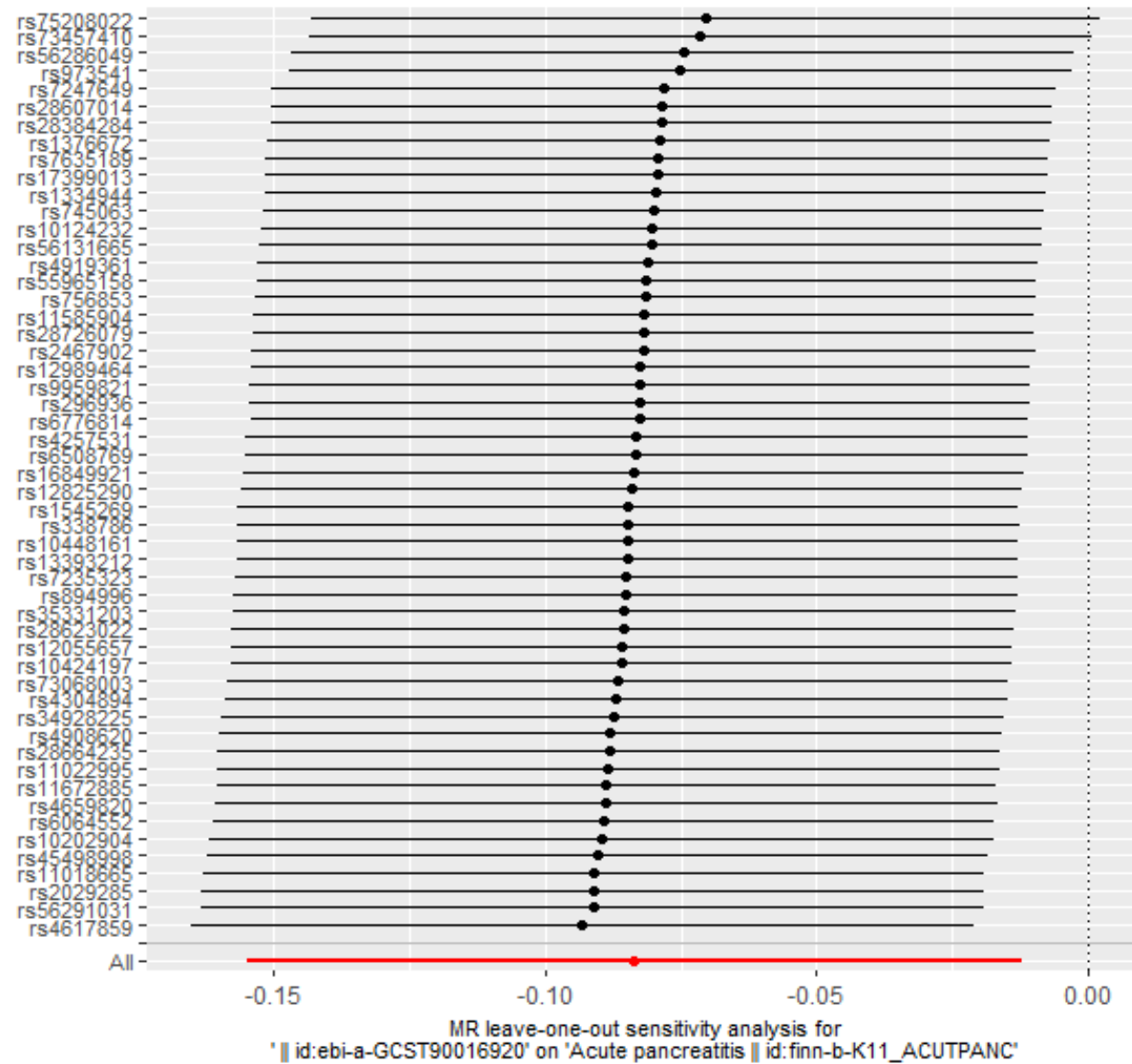
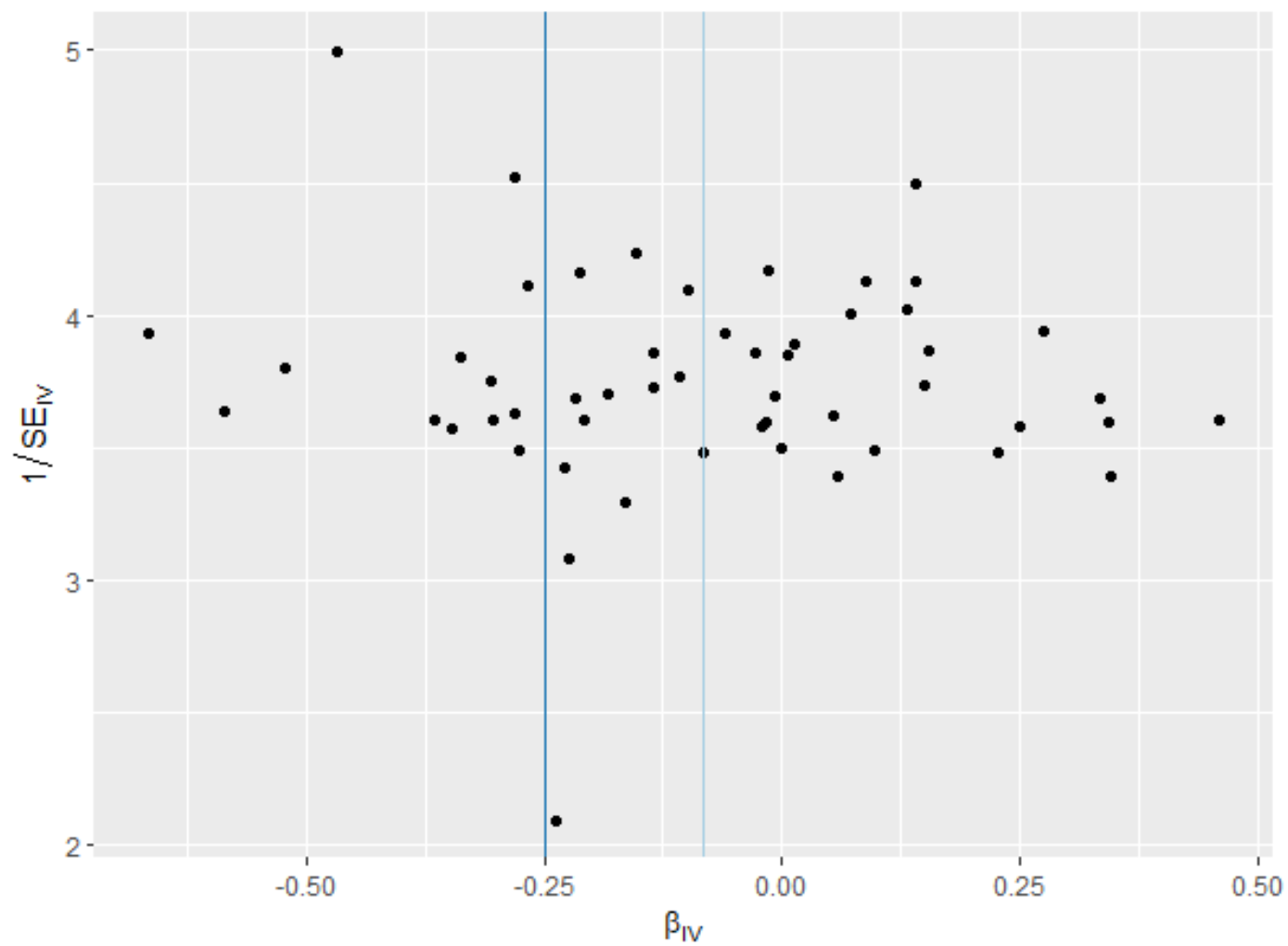


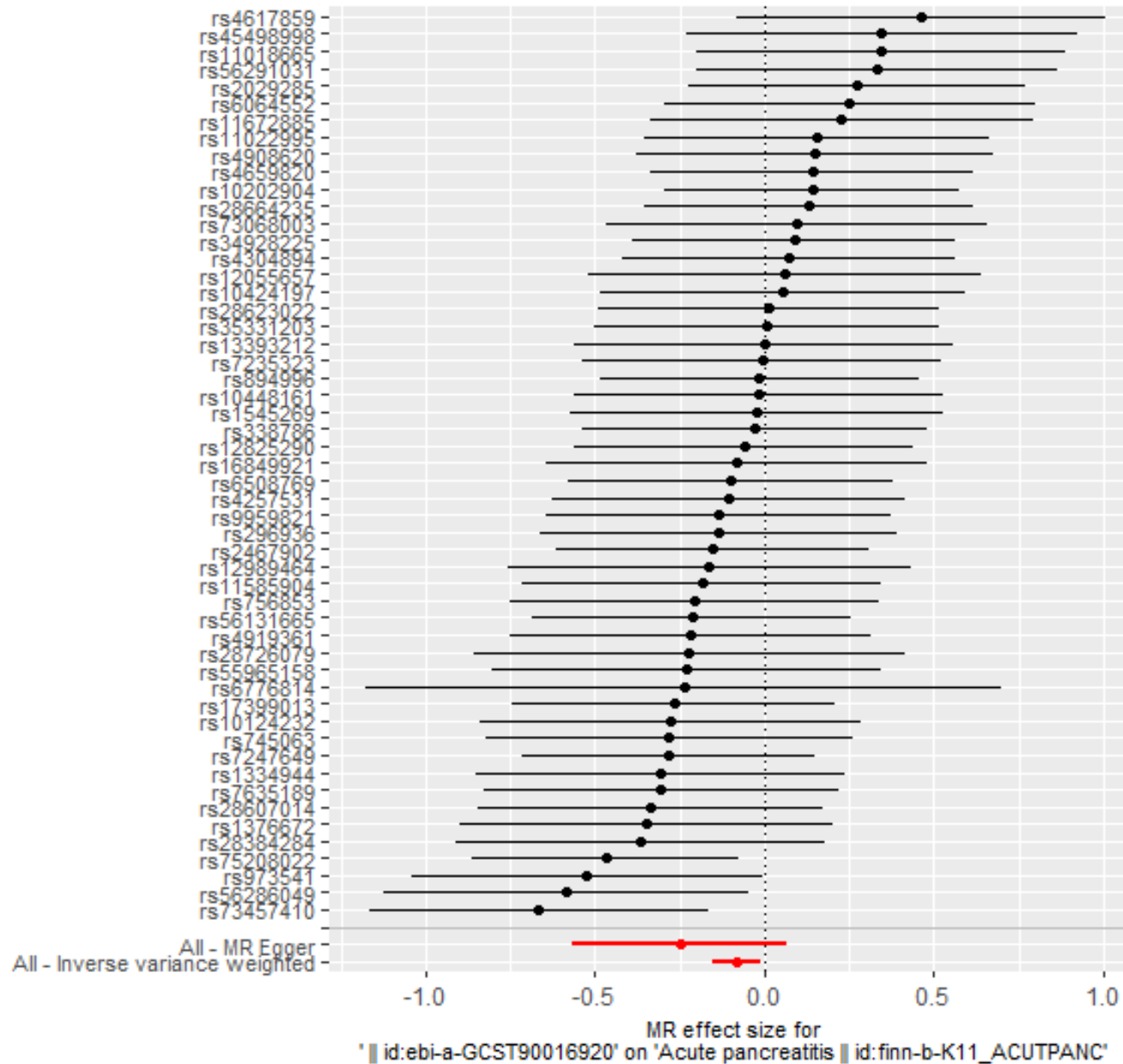
Figure 196 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (class Methanobacteria id.119) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





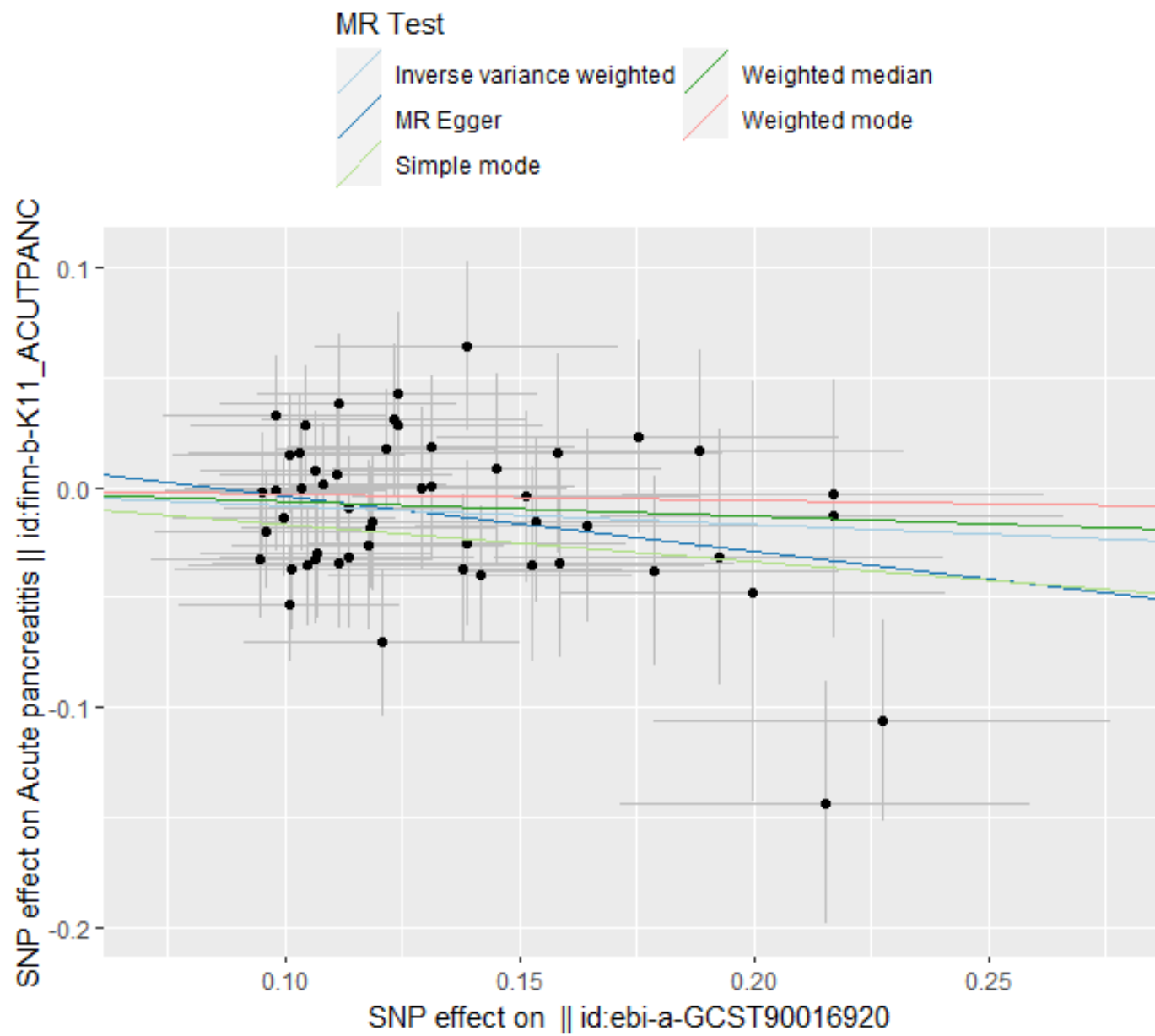
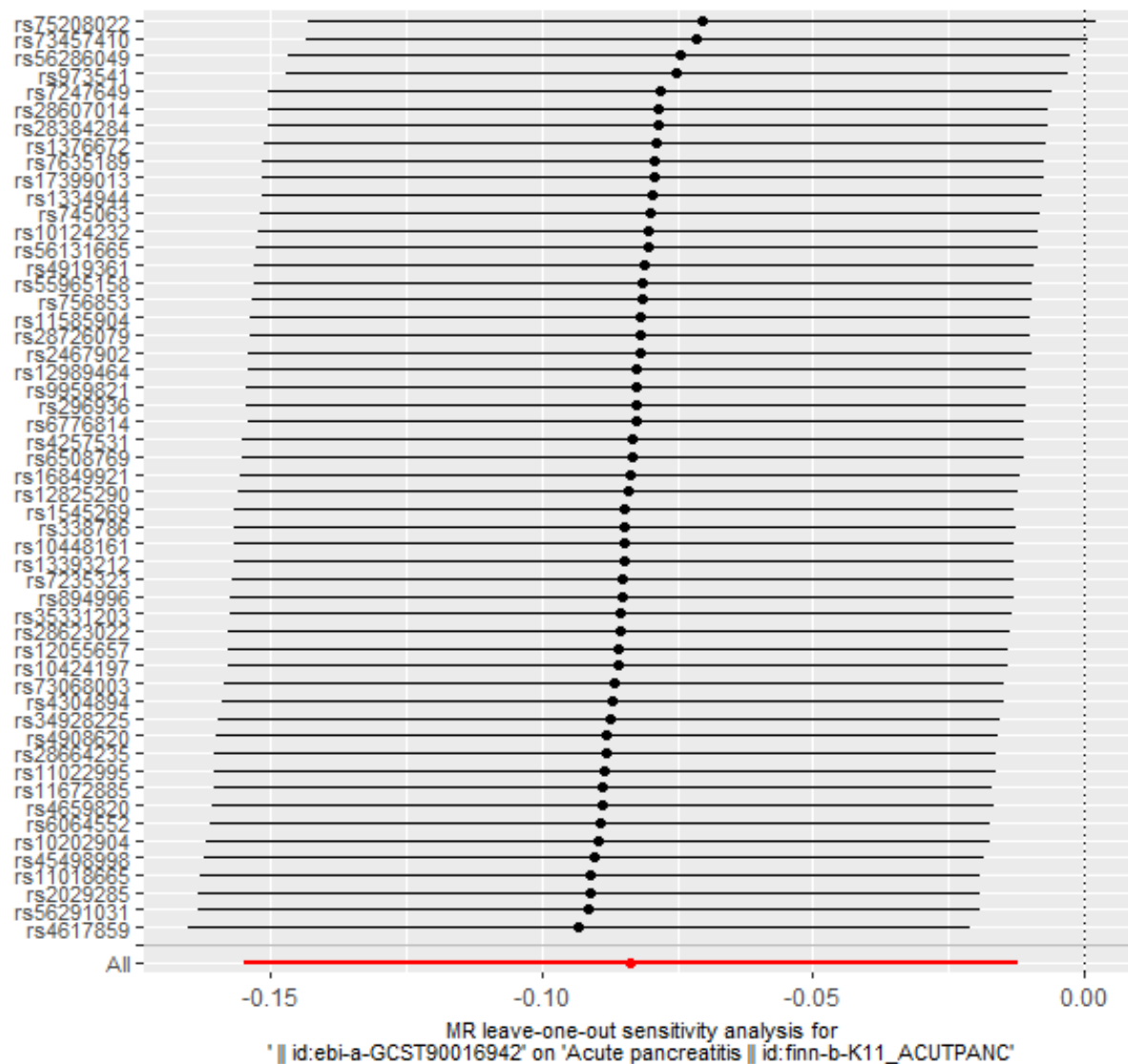
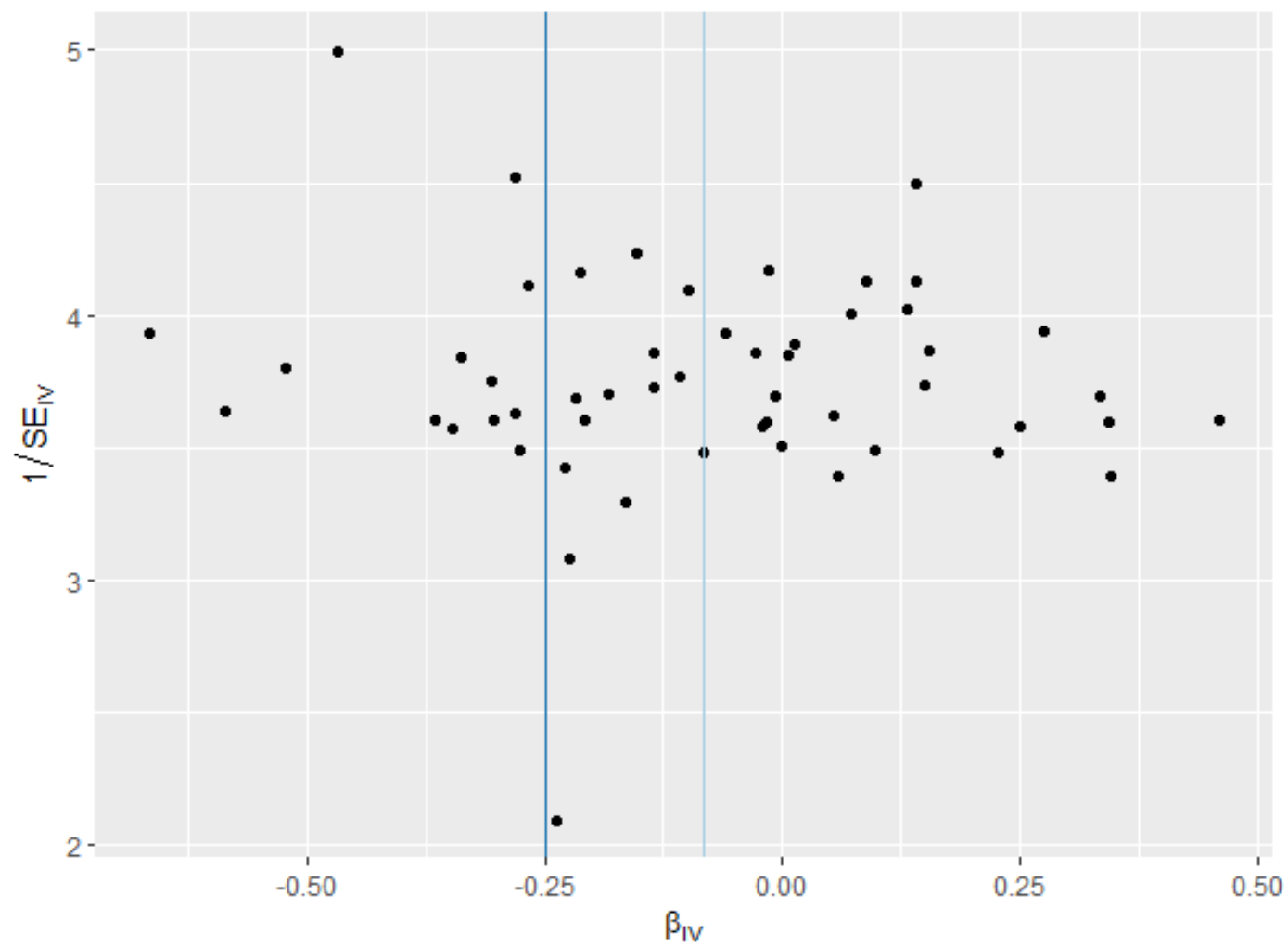


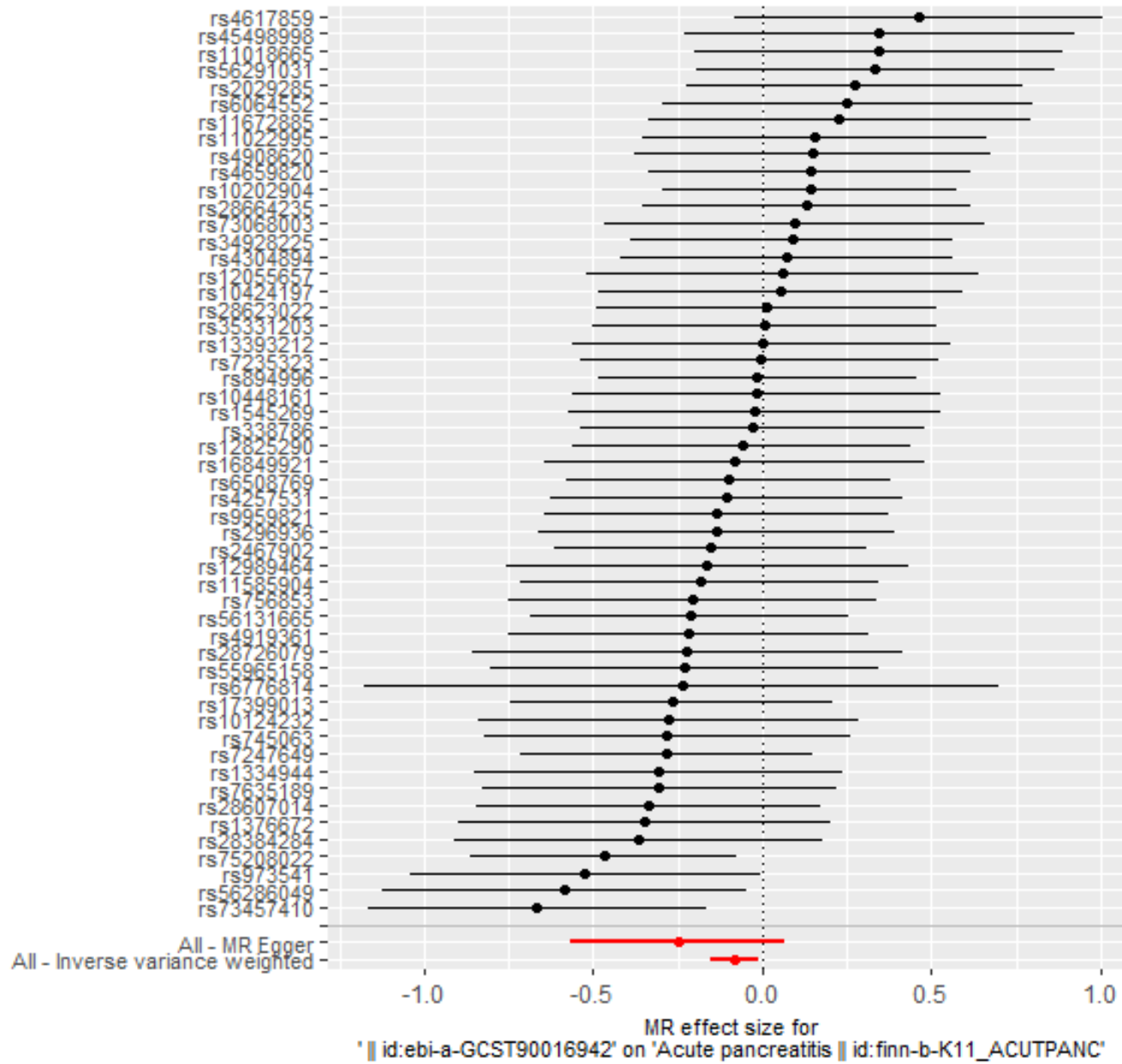
Figure 197 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Methanobacteriaceae id.121) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





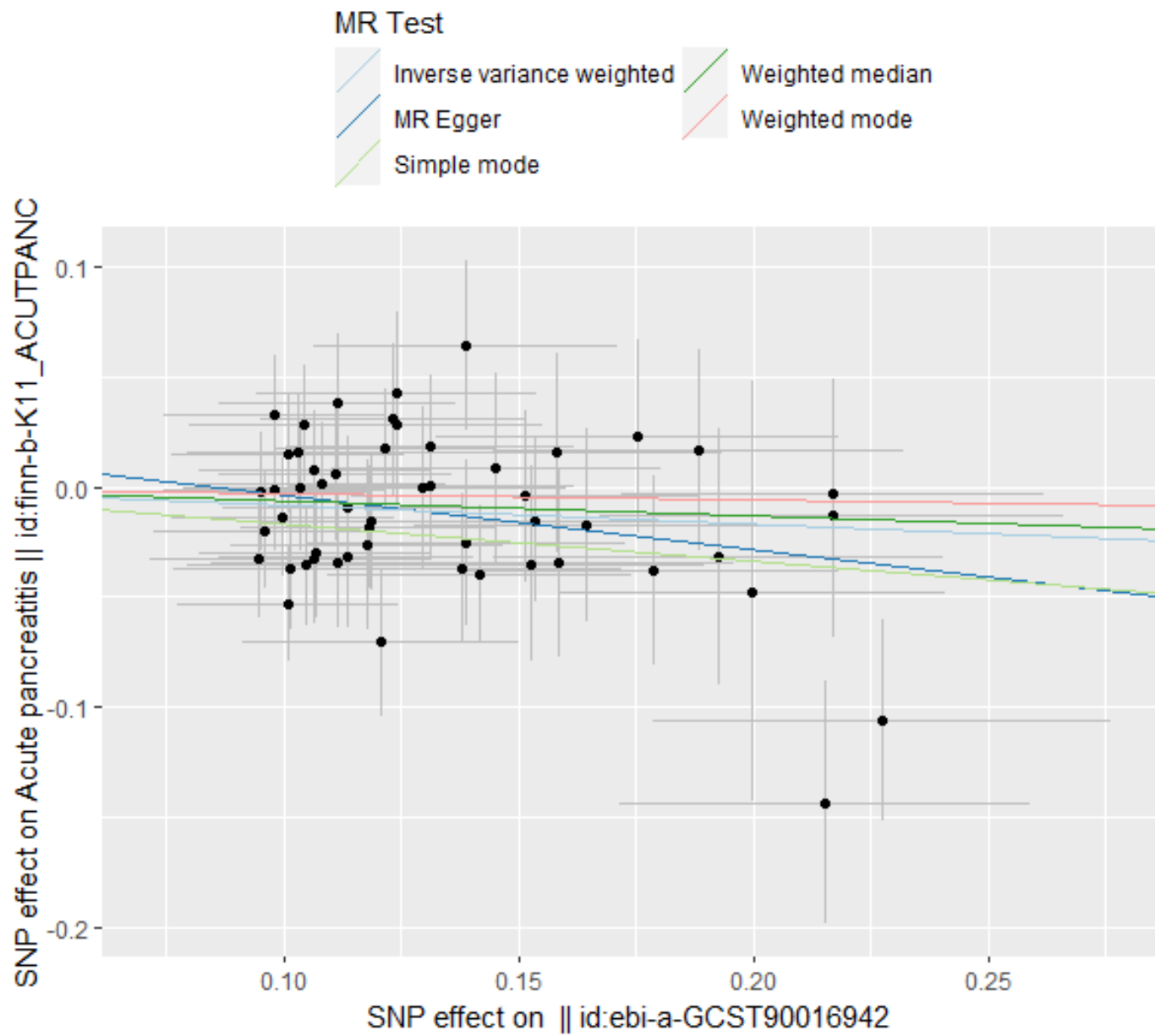
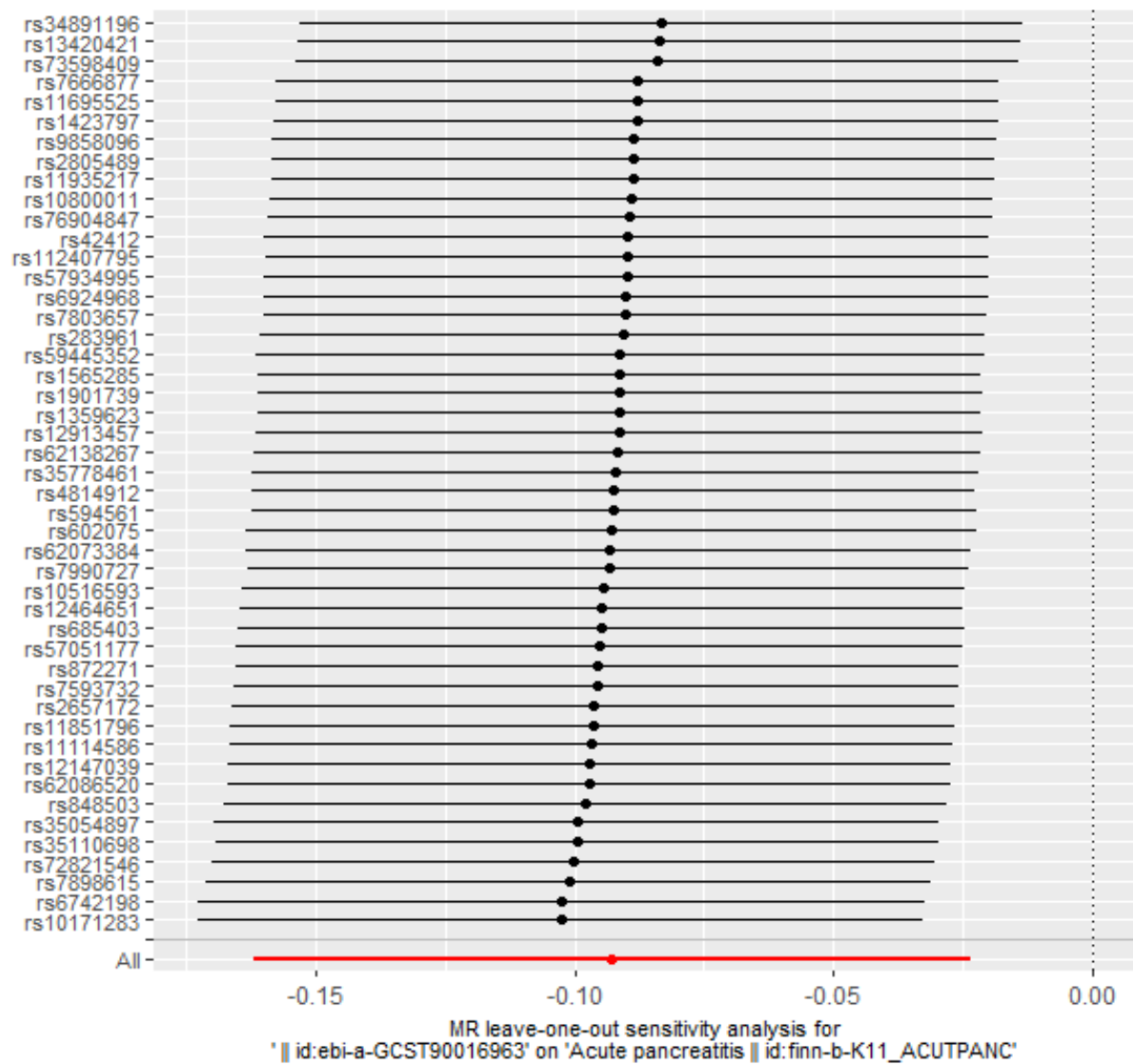
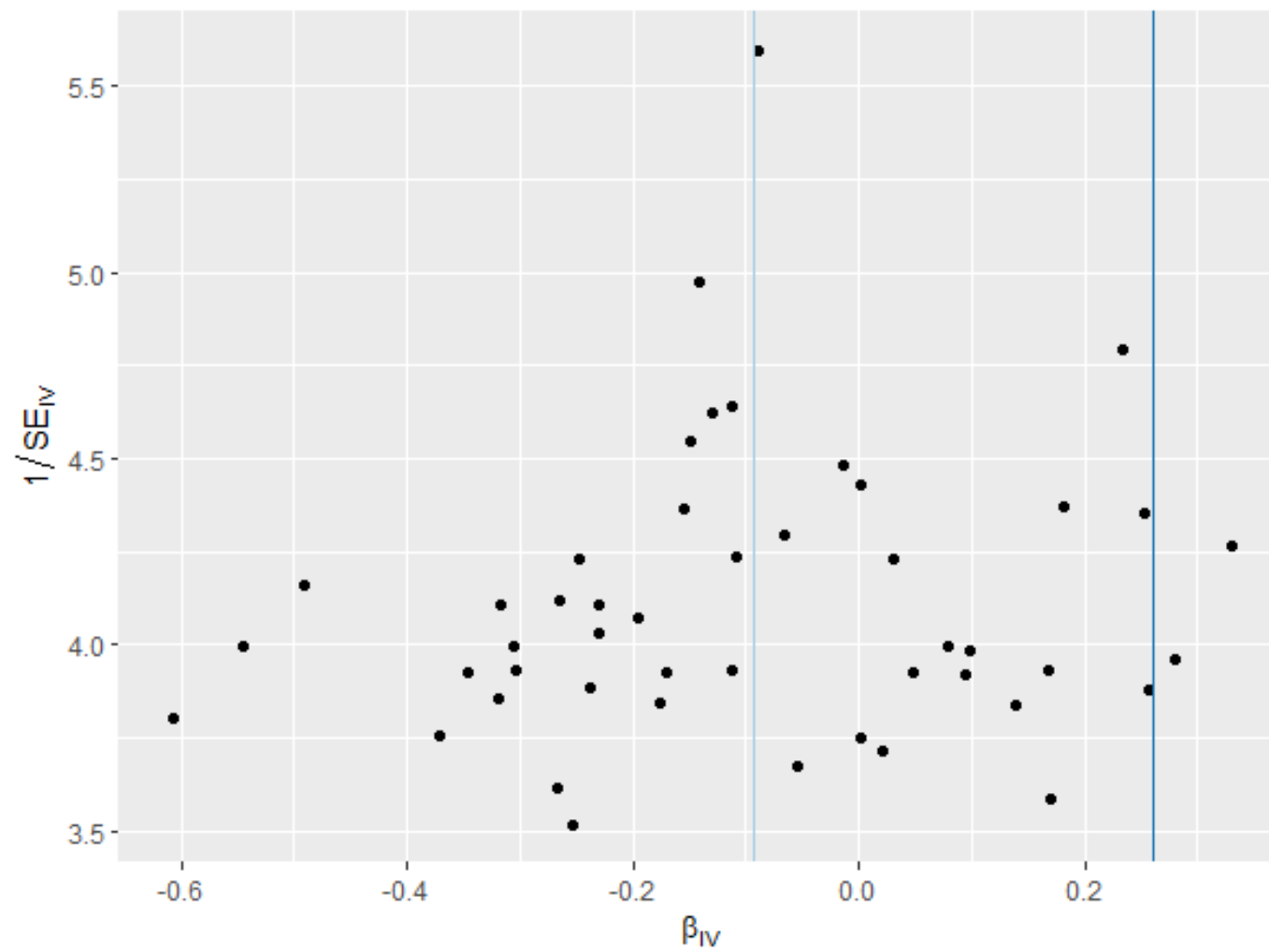


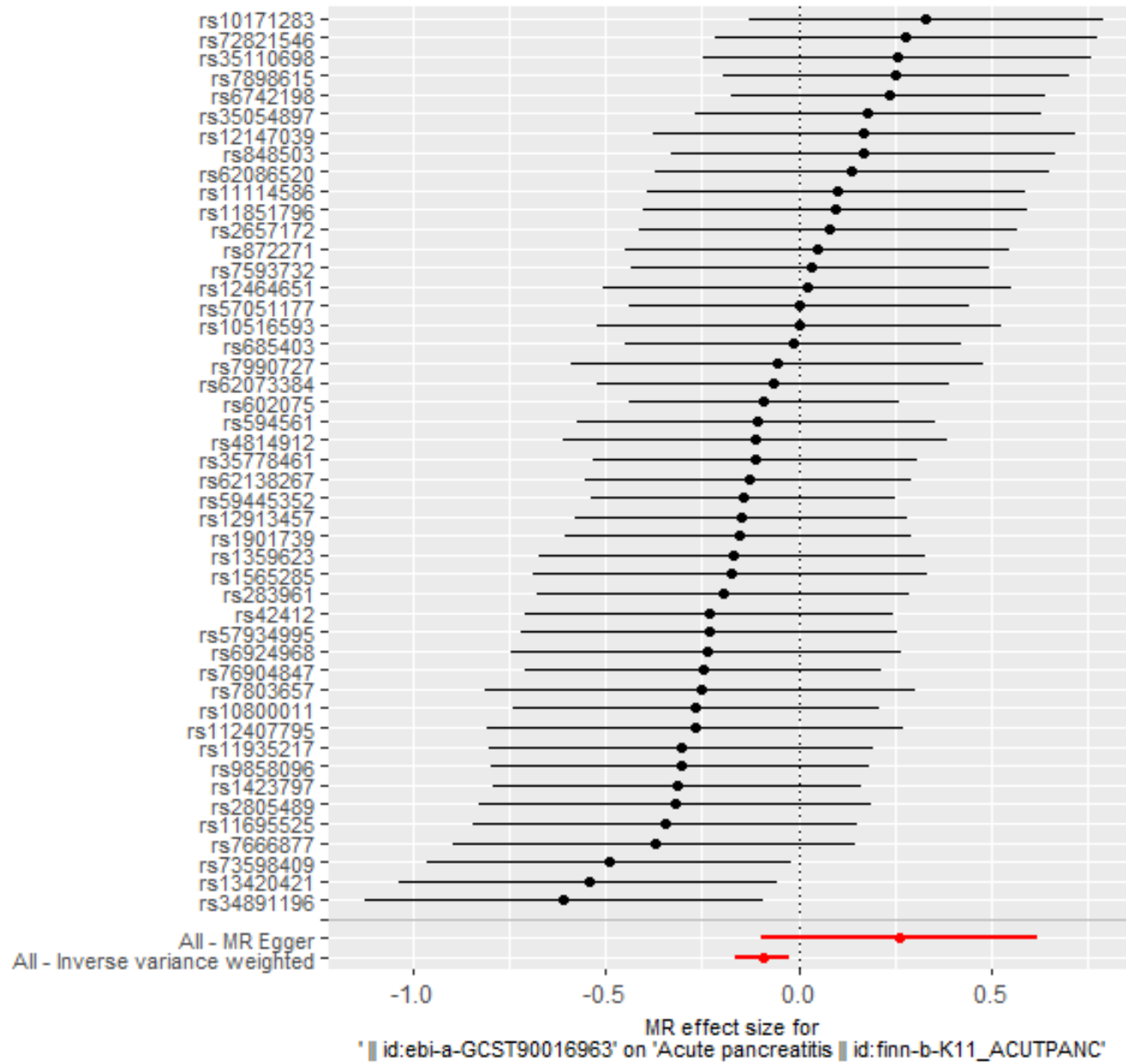
Figure 198 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Allisonella* id.2174) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





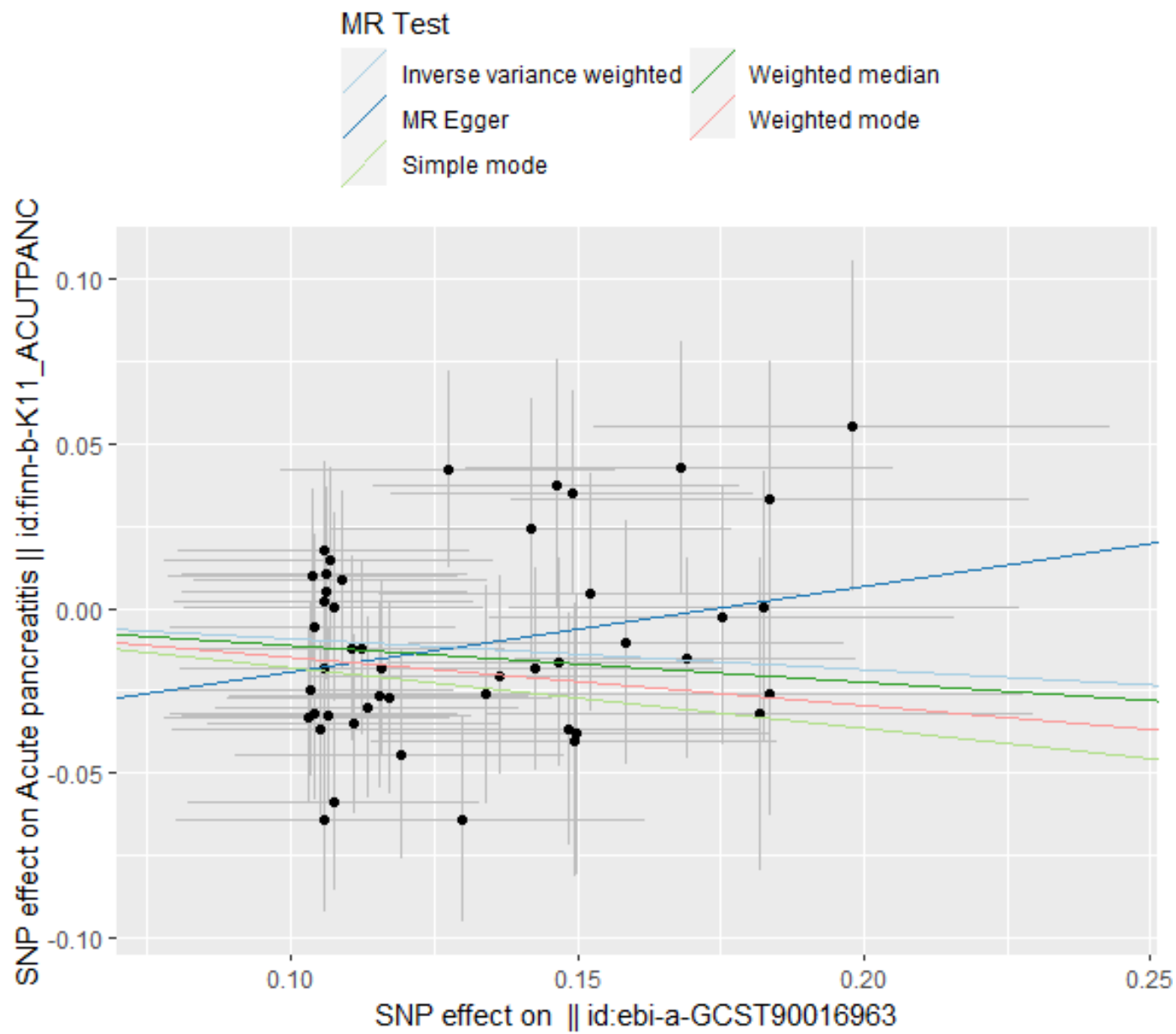
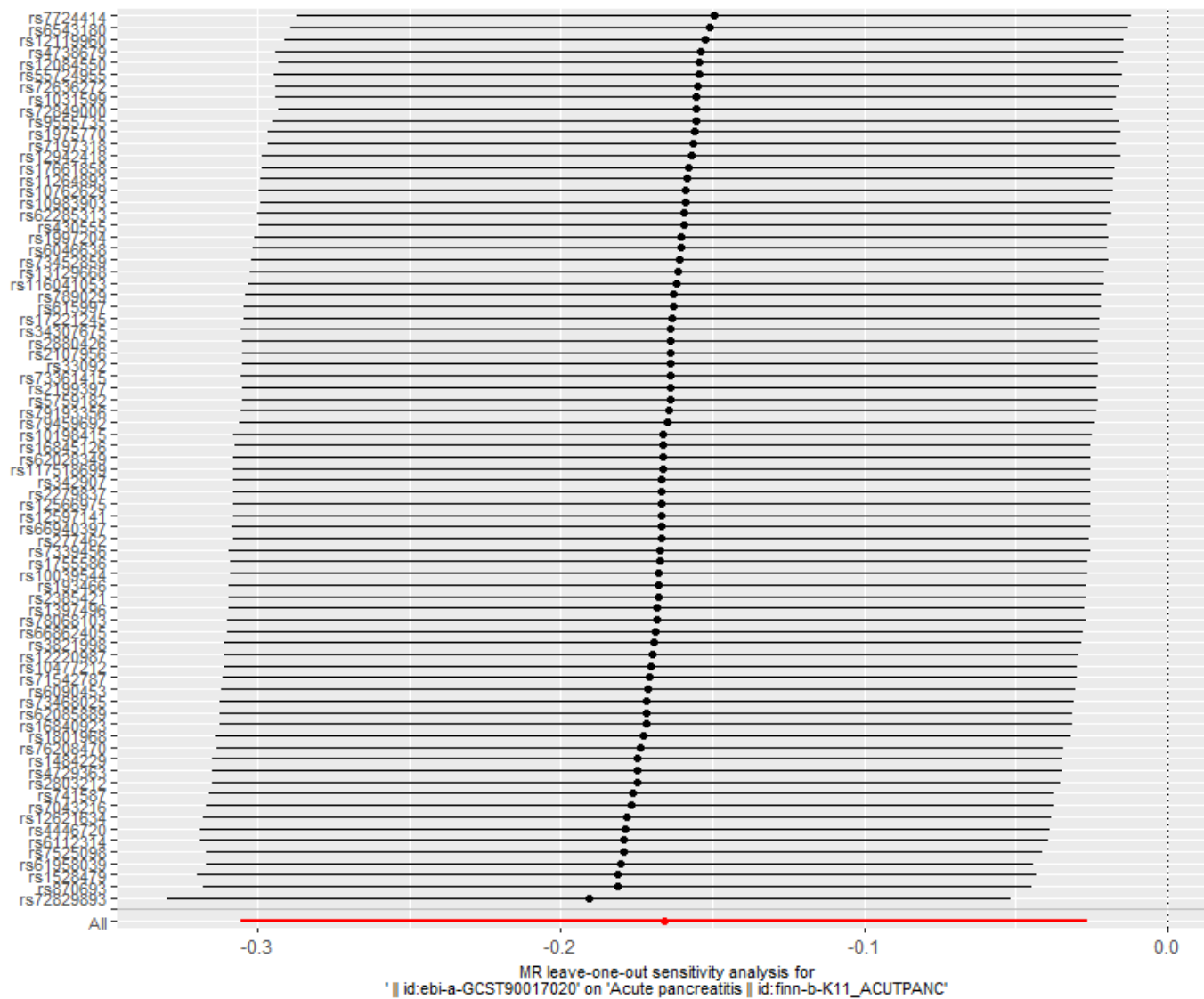
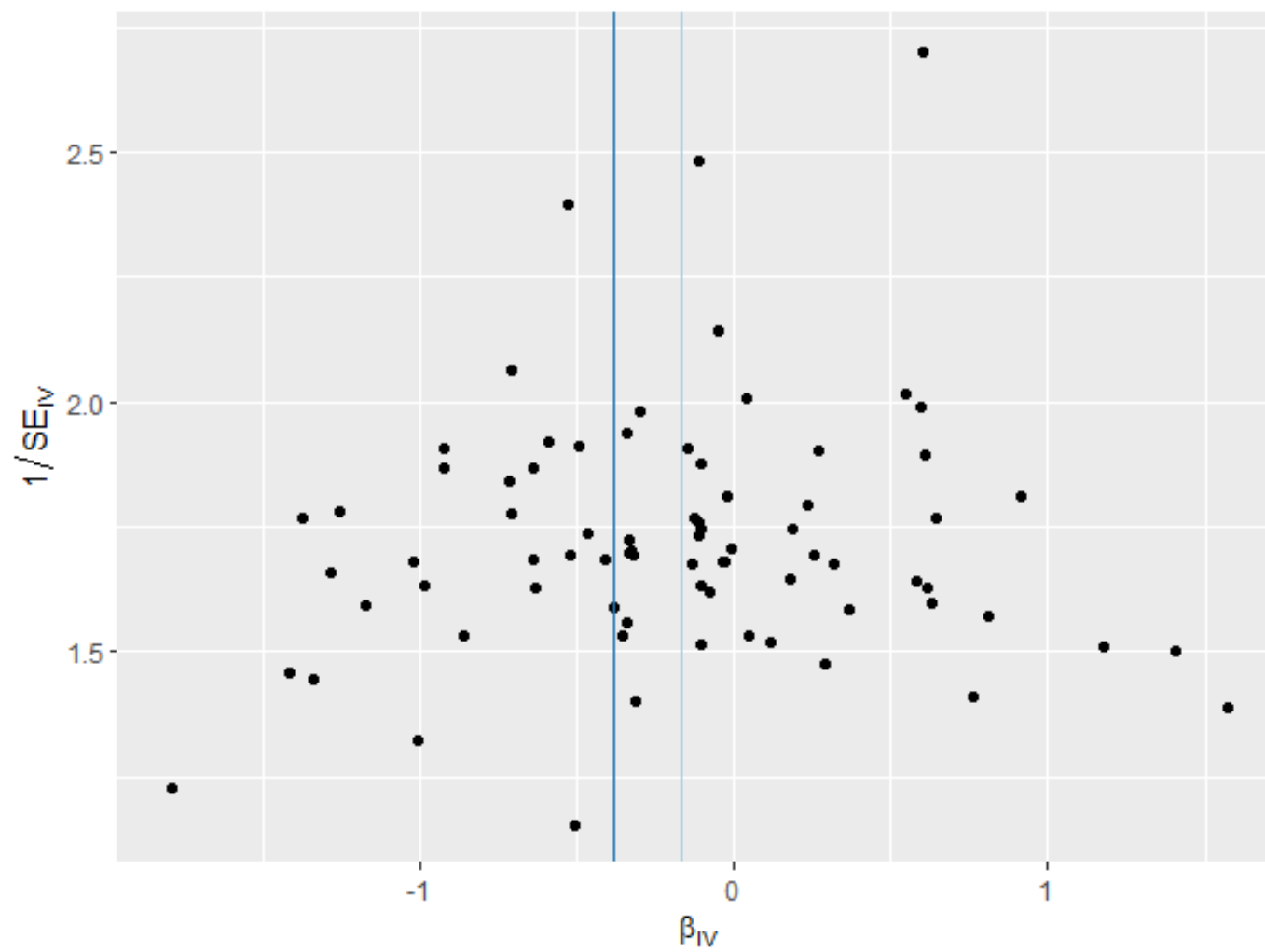


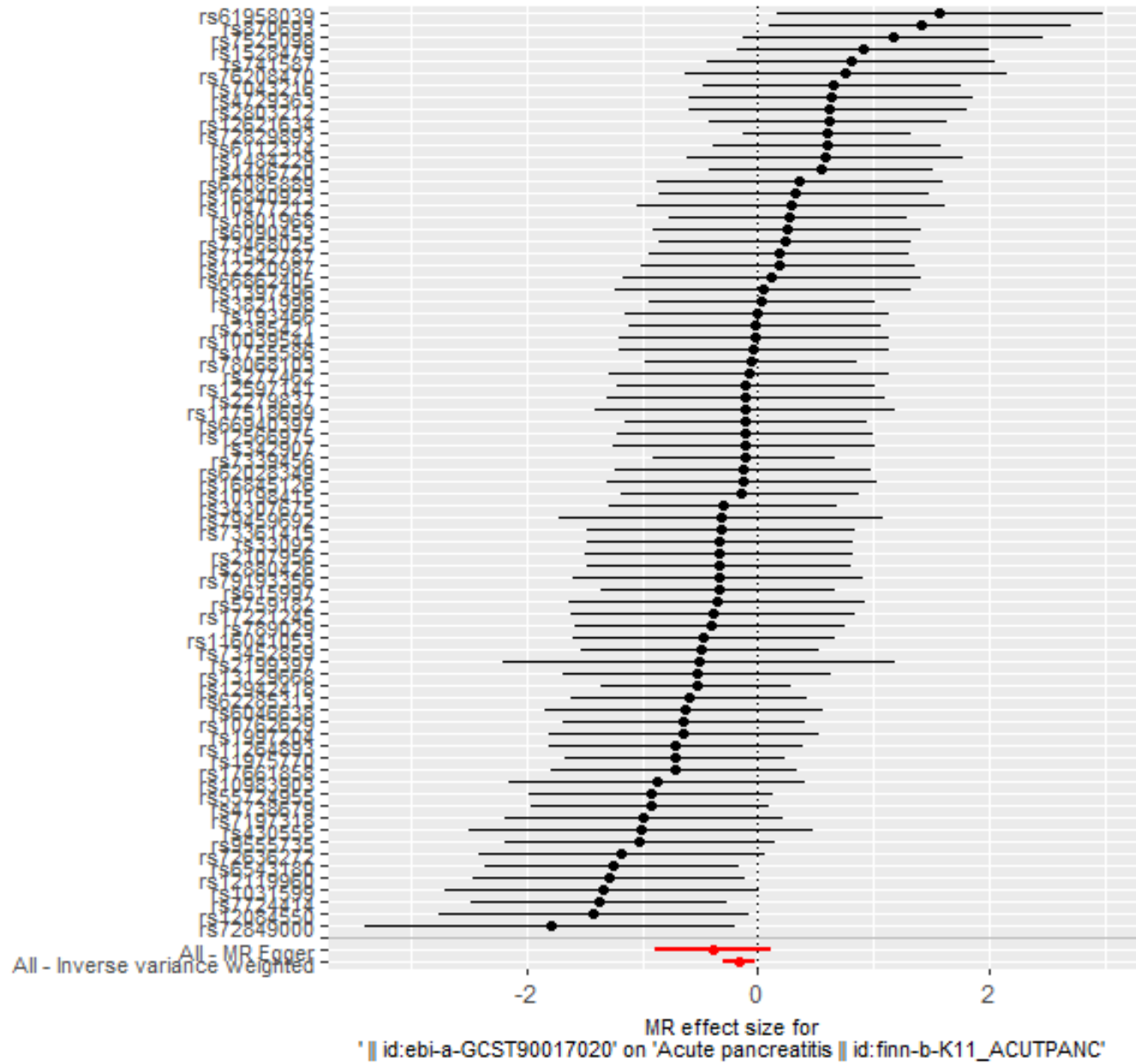
Figure 199 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Lachnoclostridium* id.11308) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





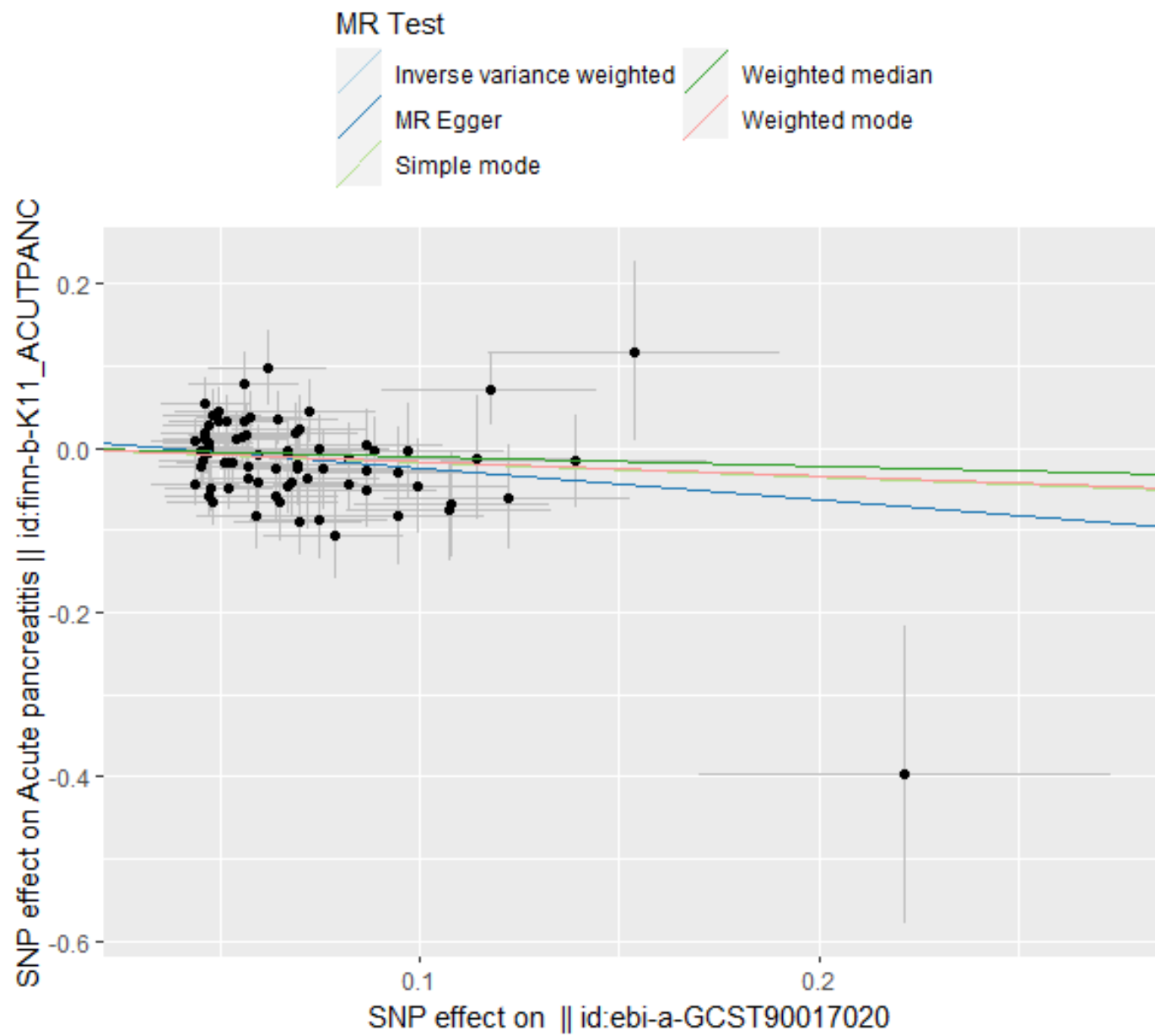
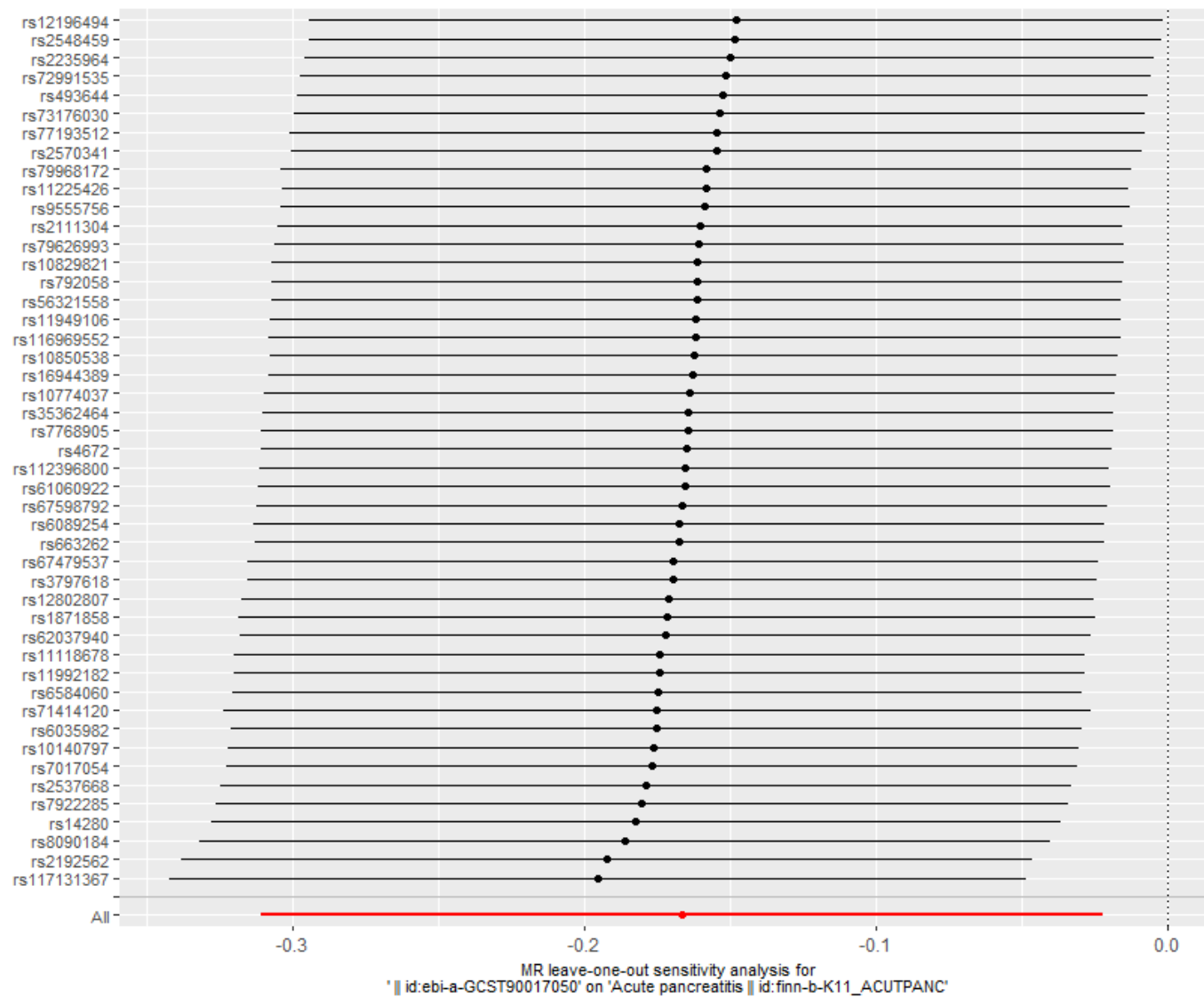
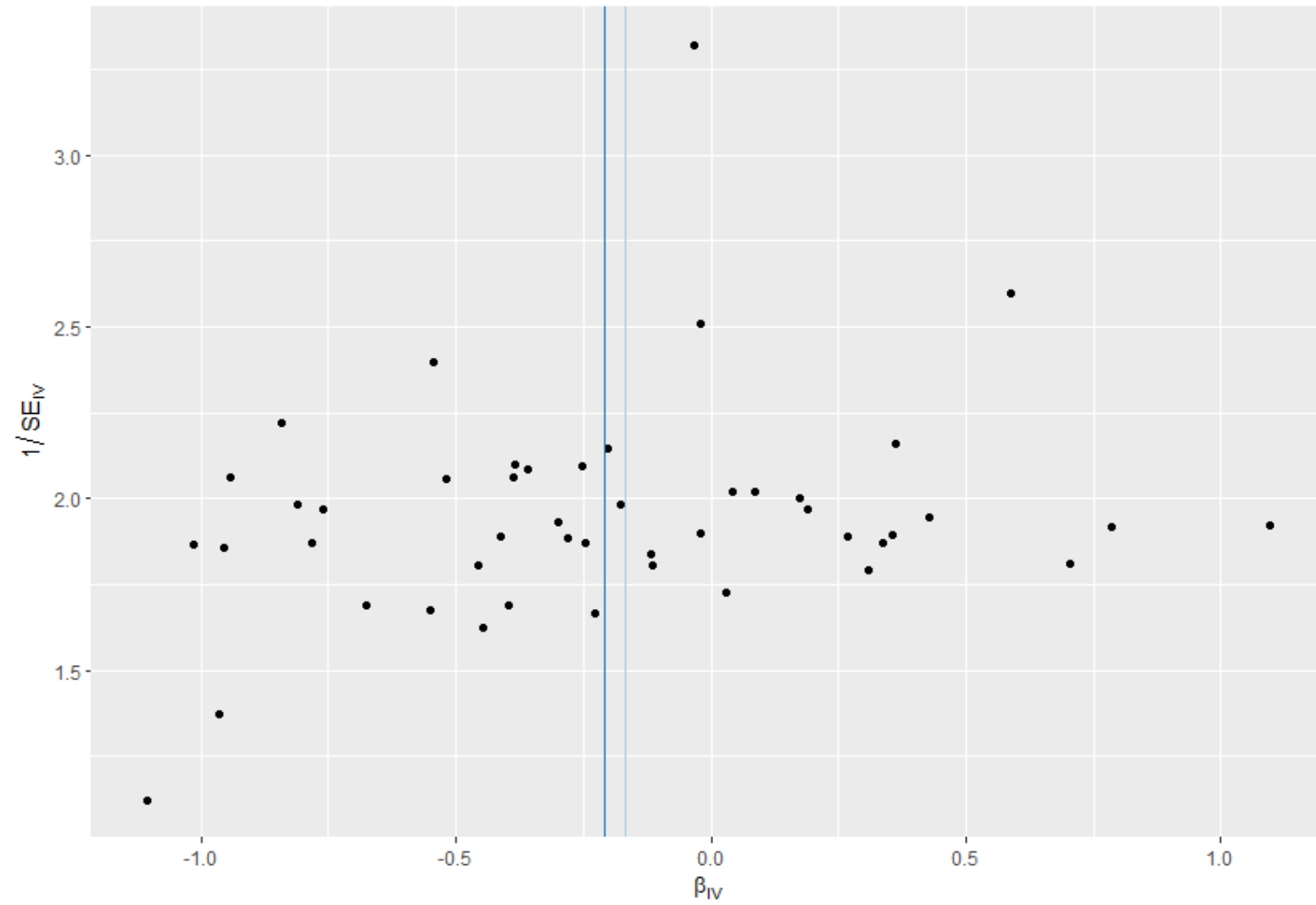


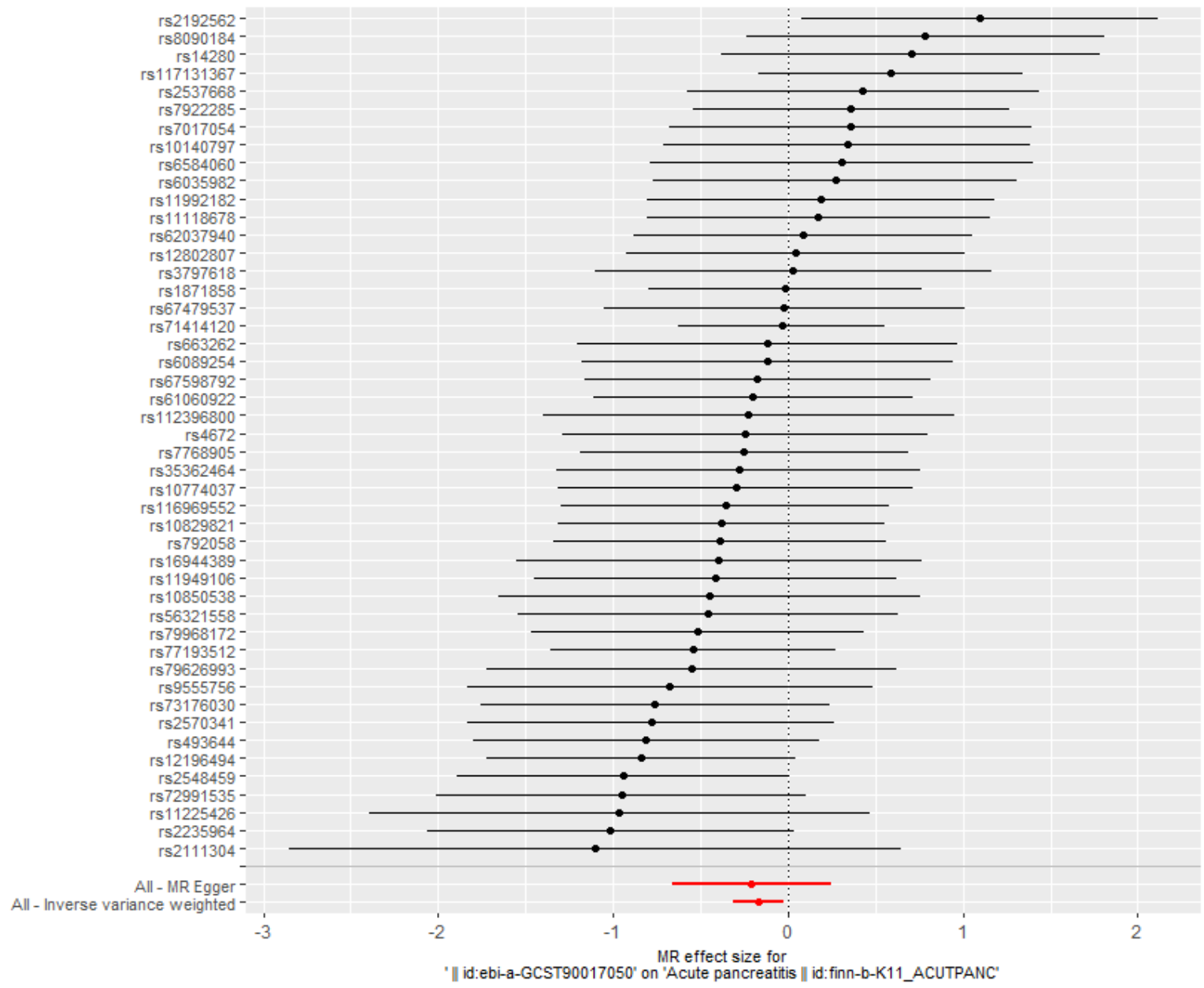
Figure 200 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminiclostridium6 id.11356) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

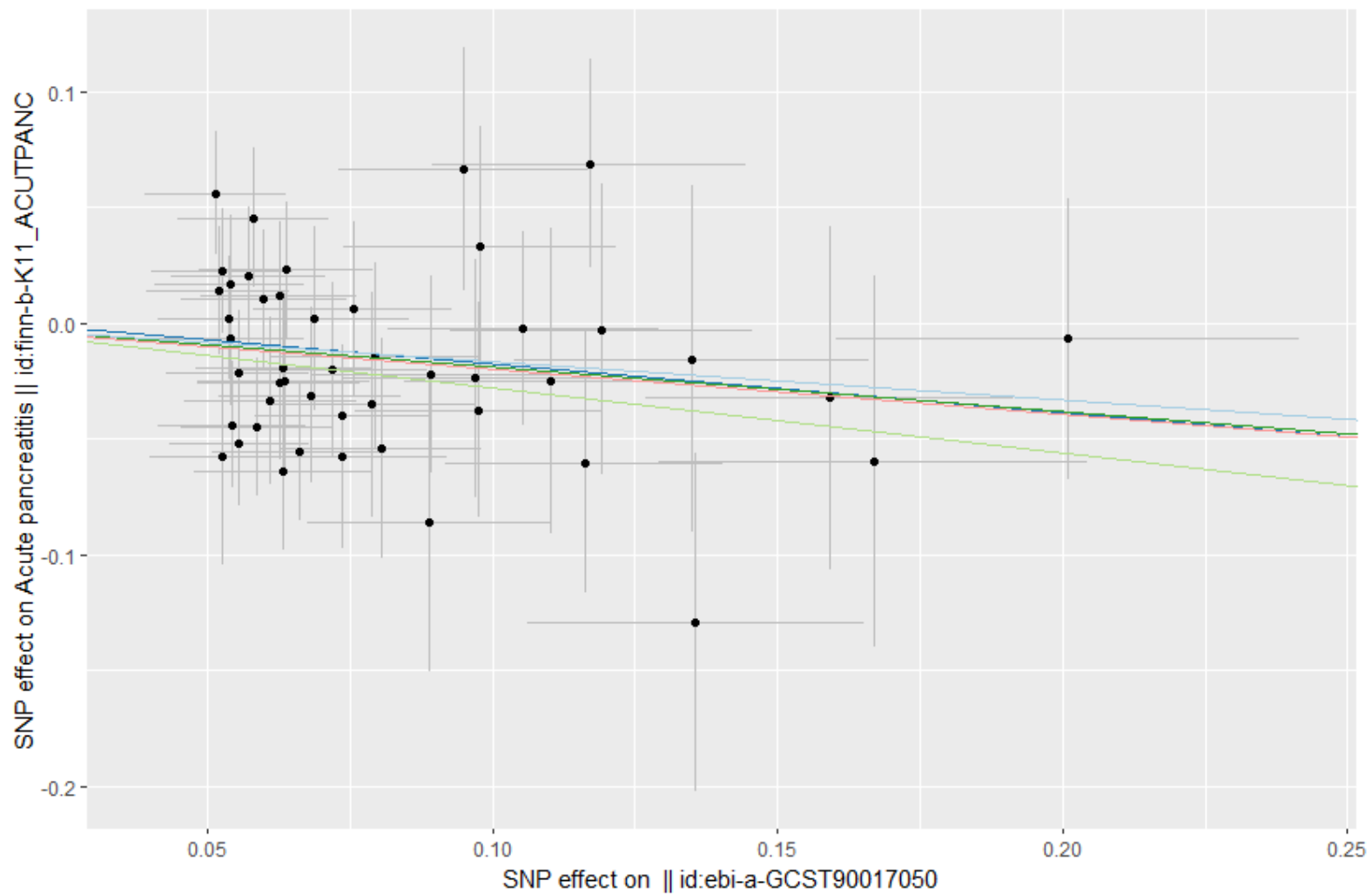
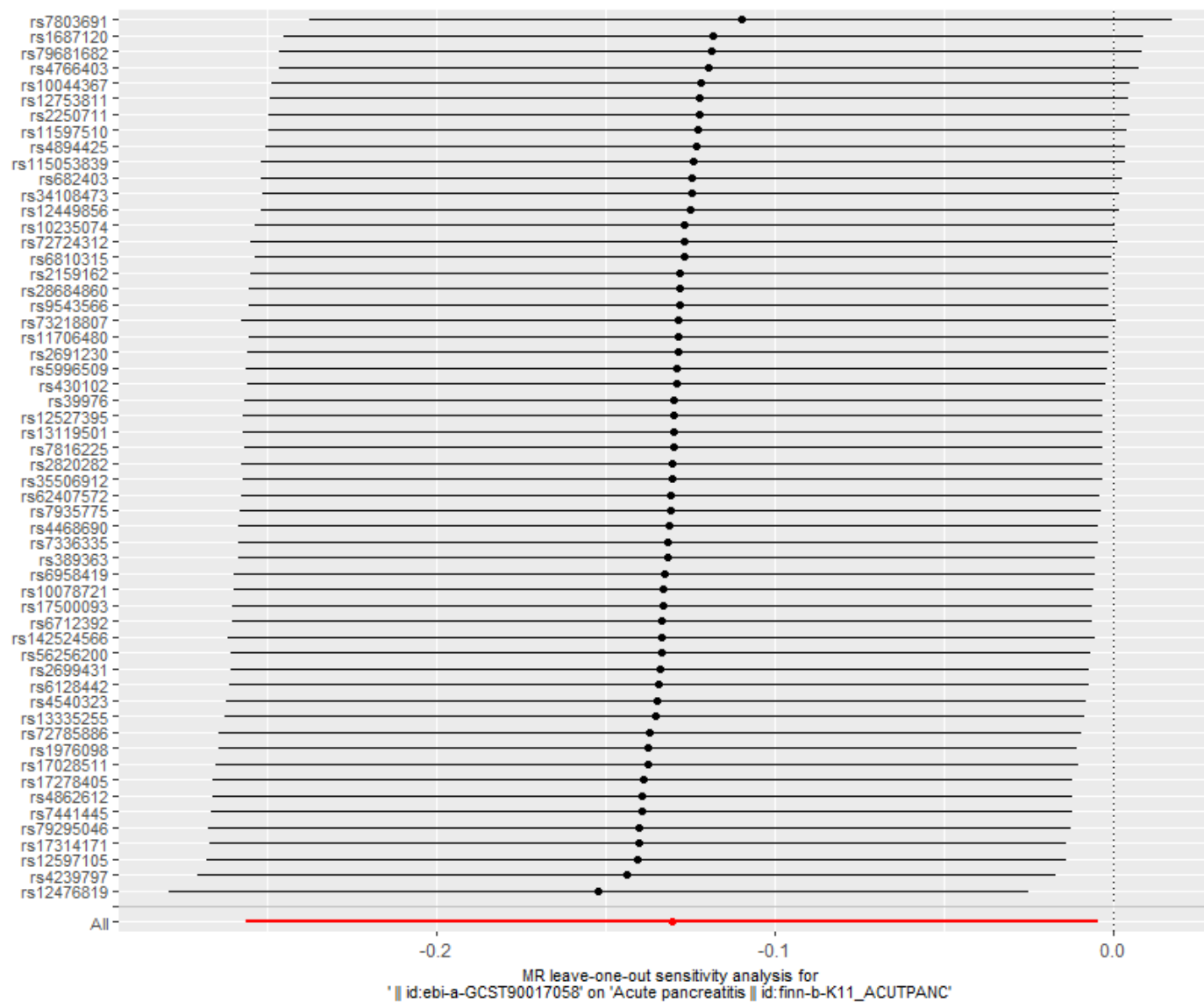
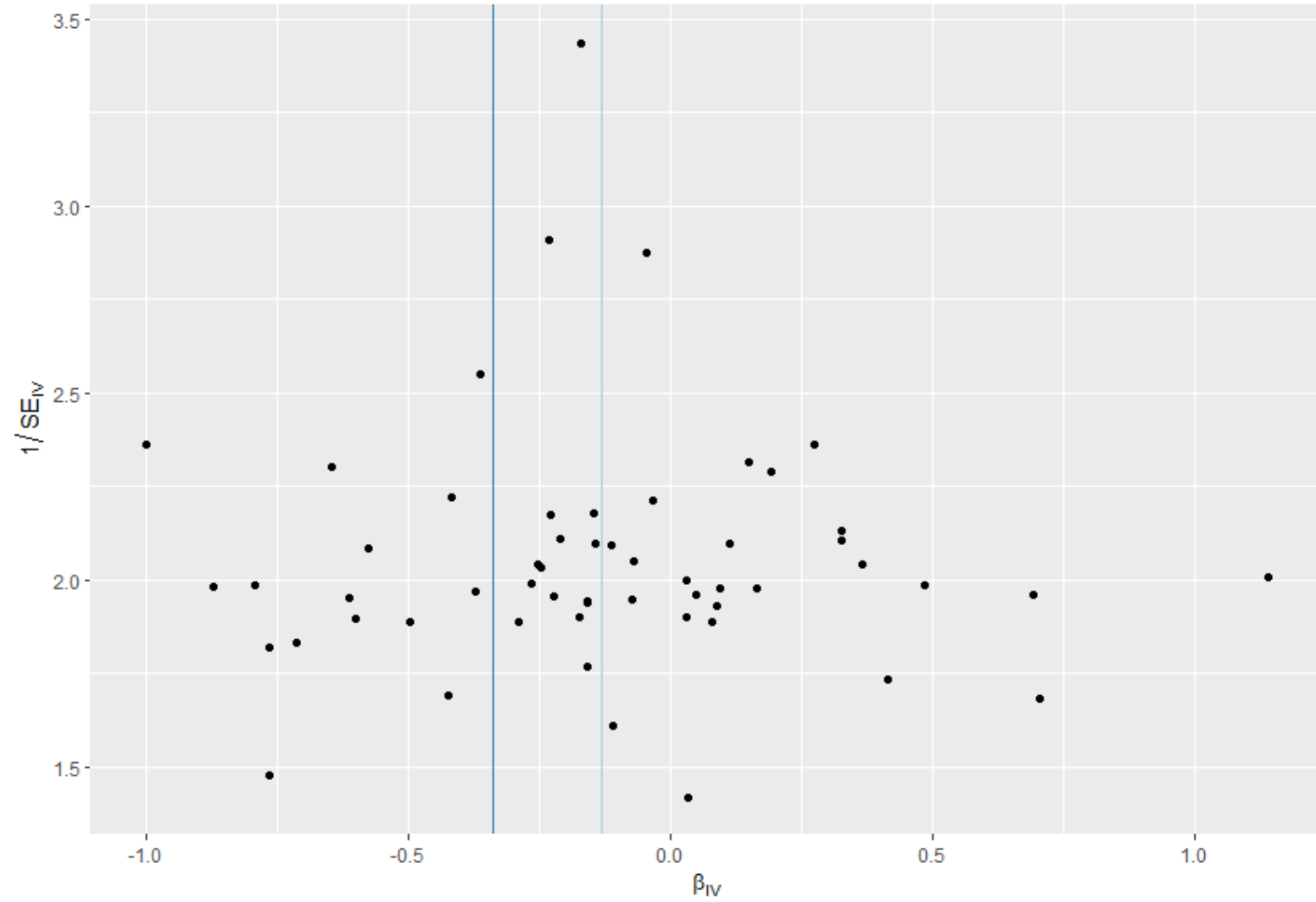


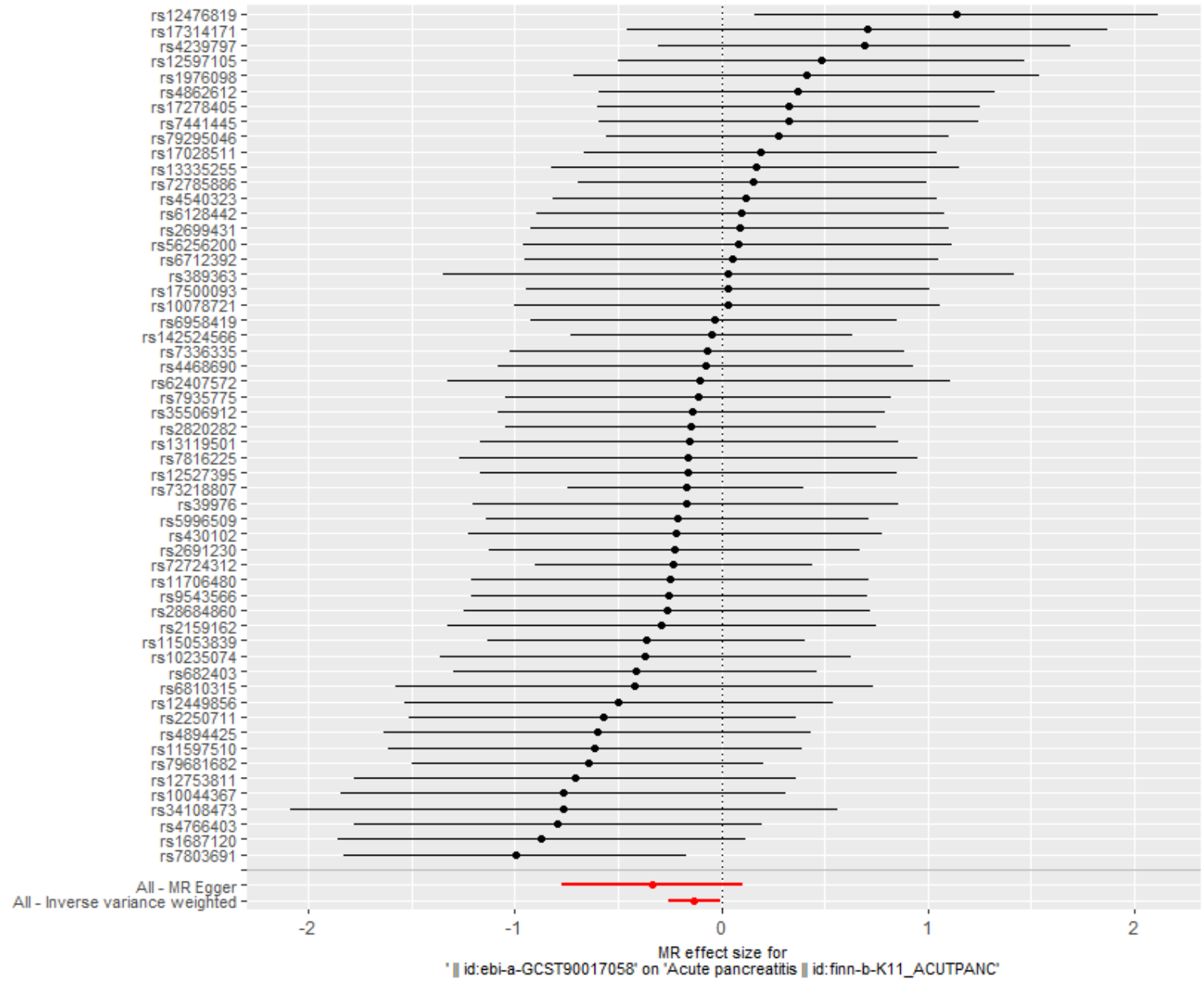
Figure 201 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

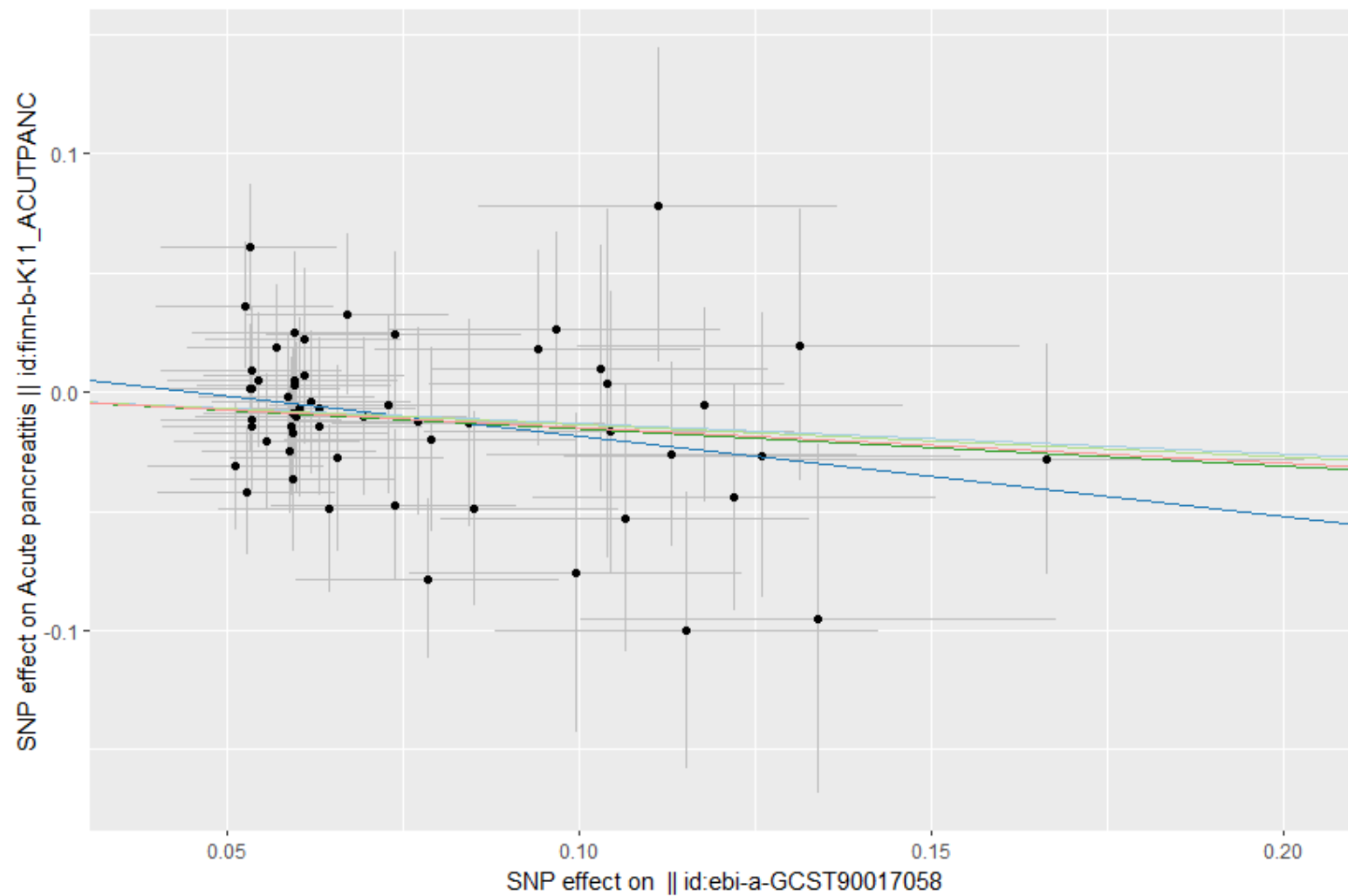
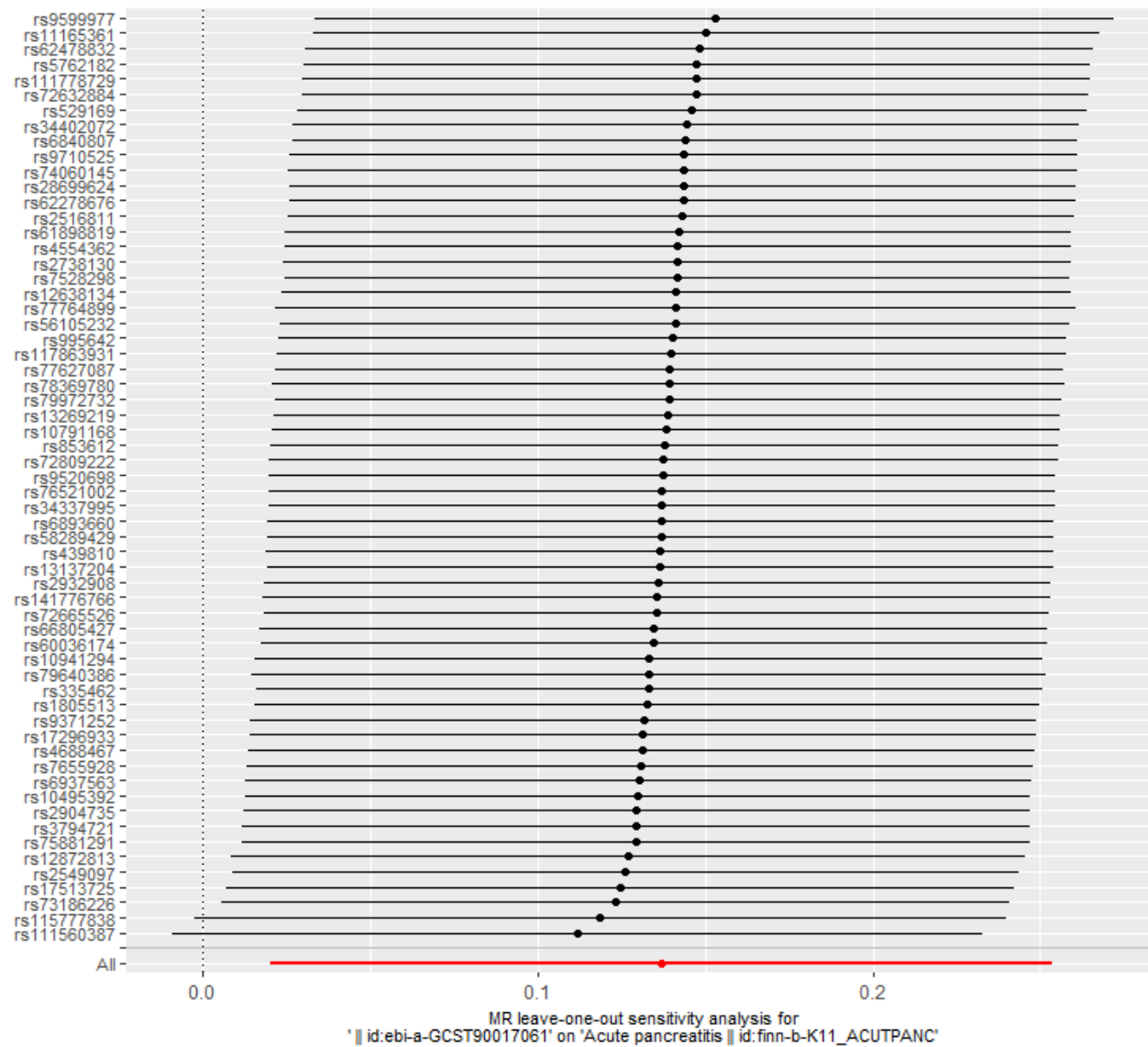
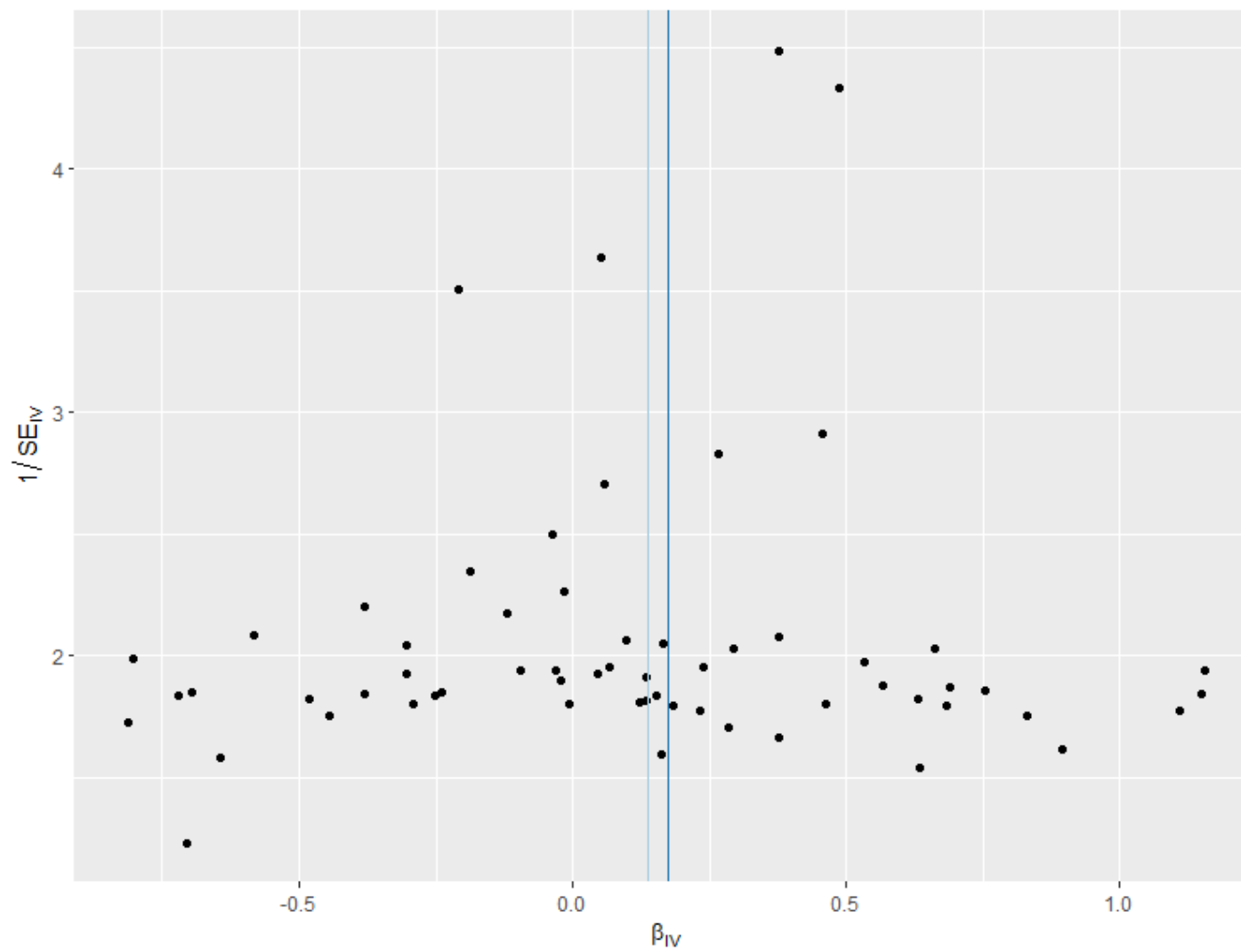


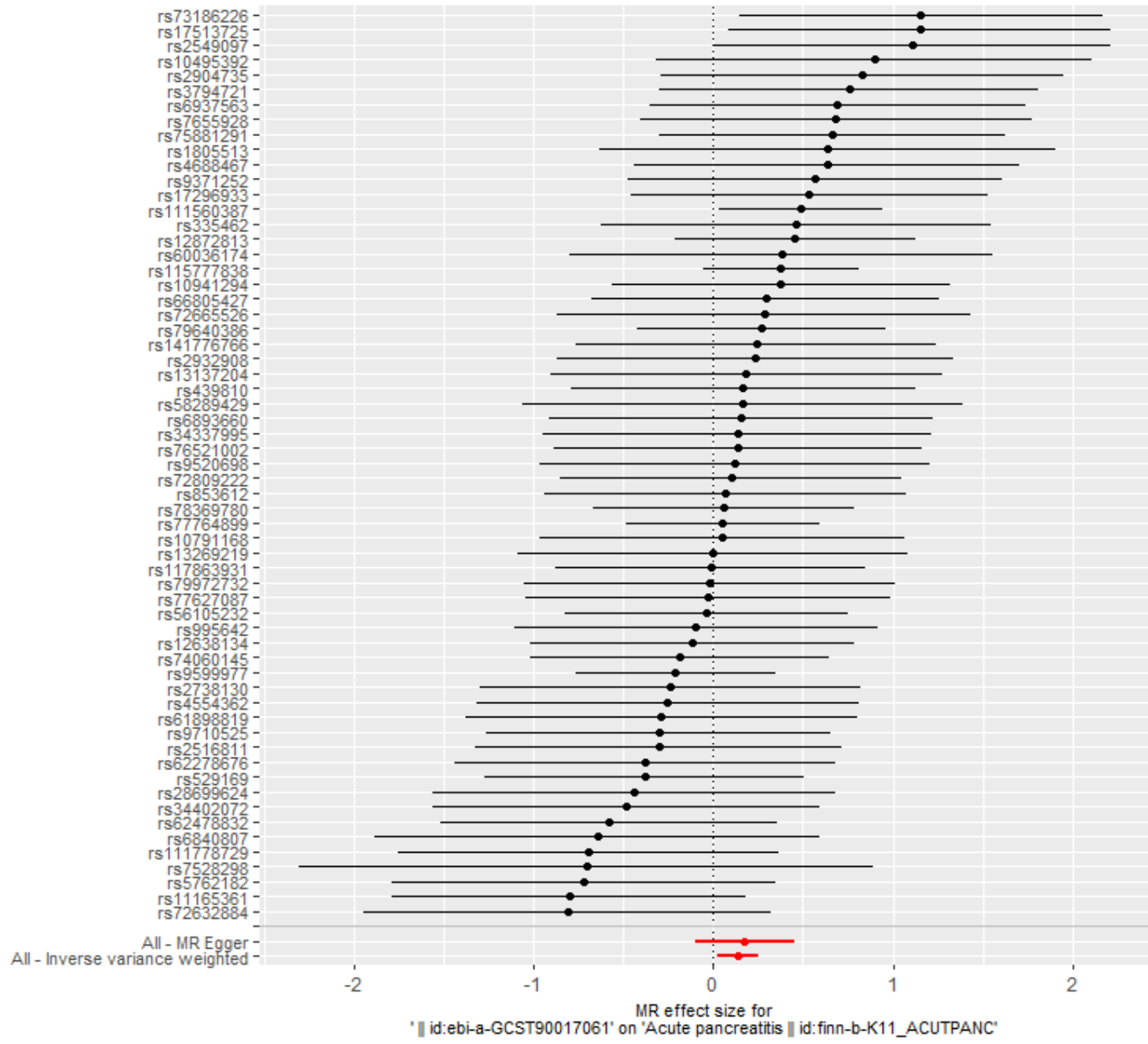
Figure 202 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

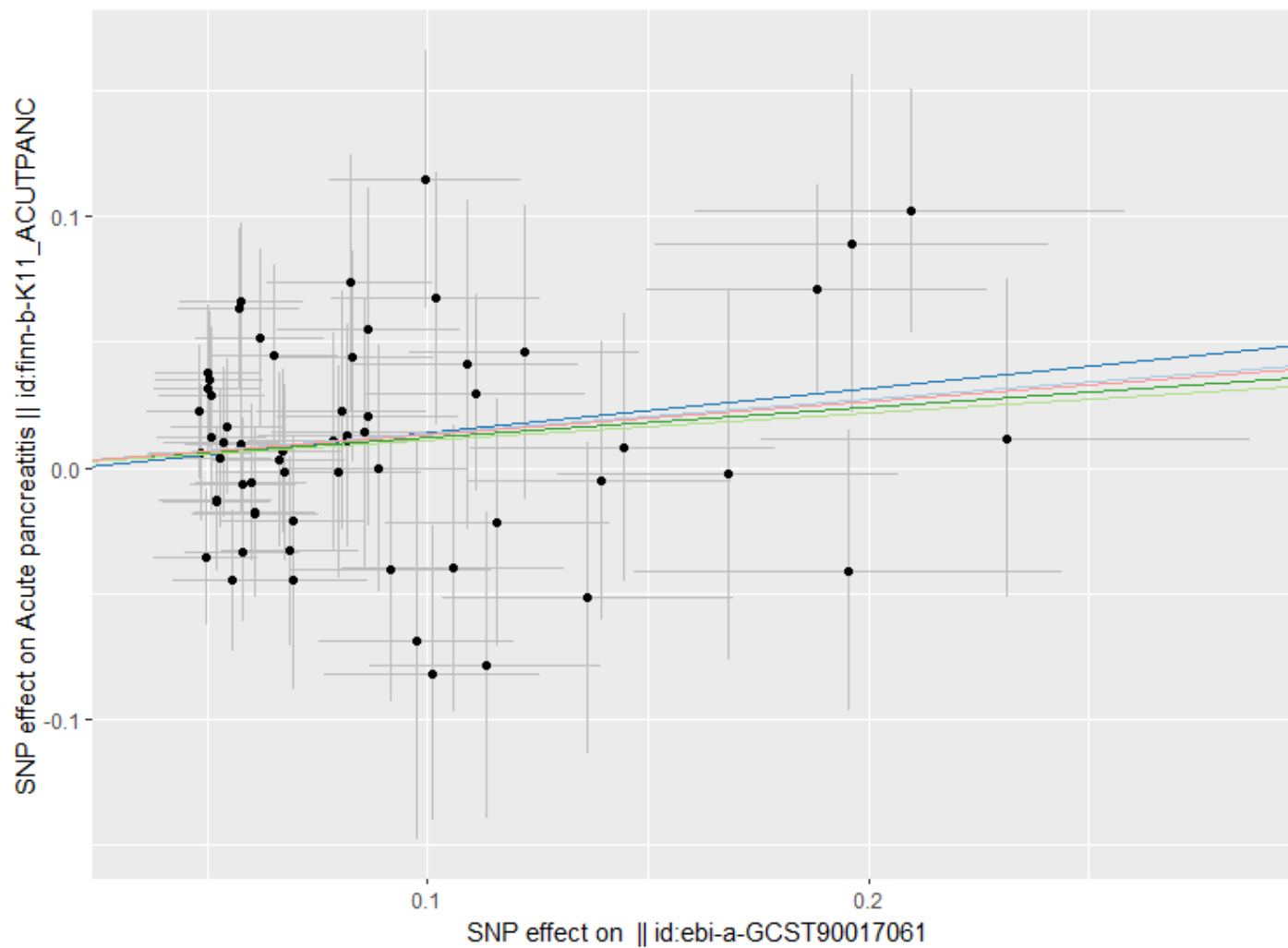
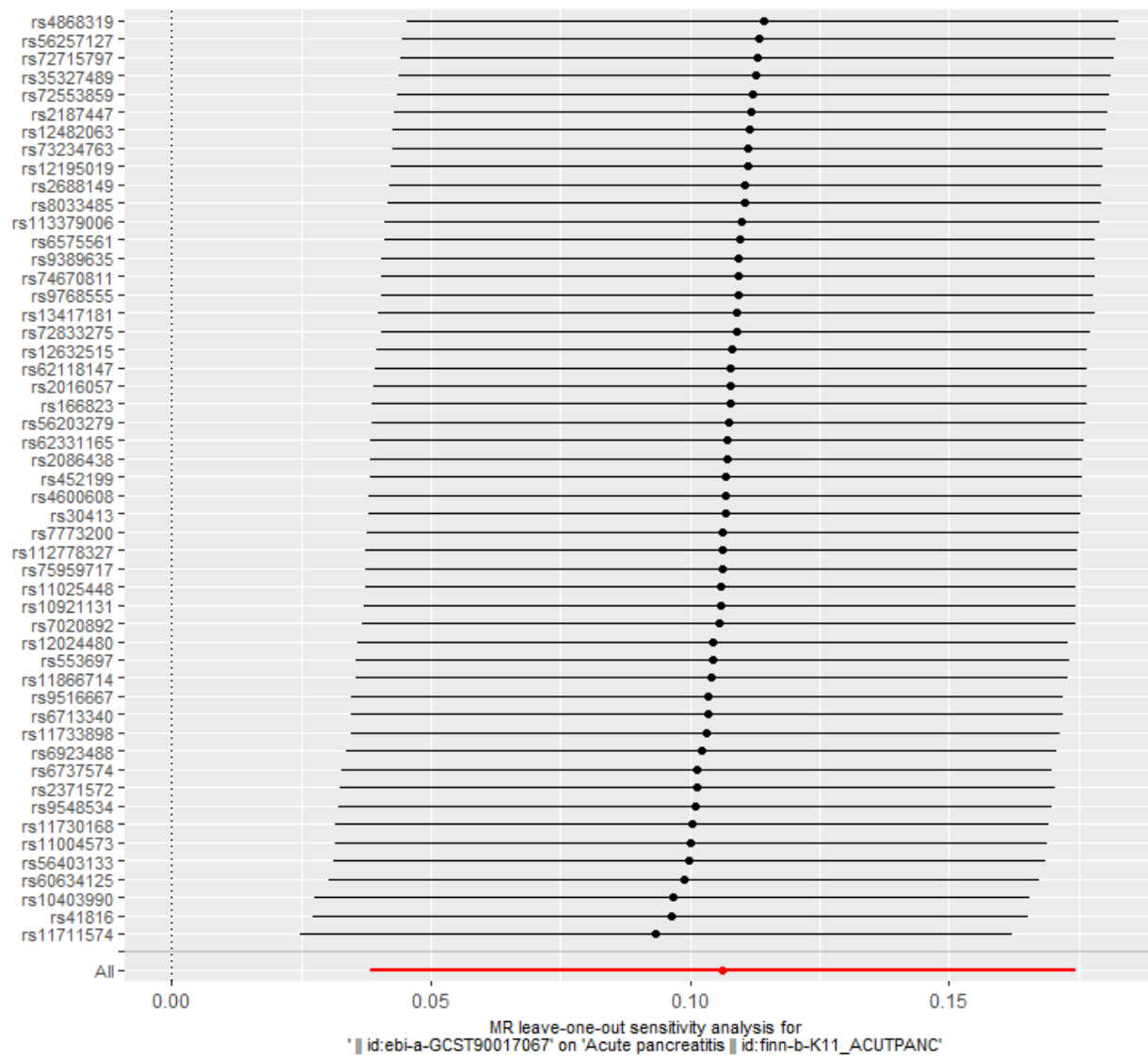
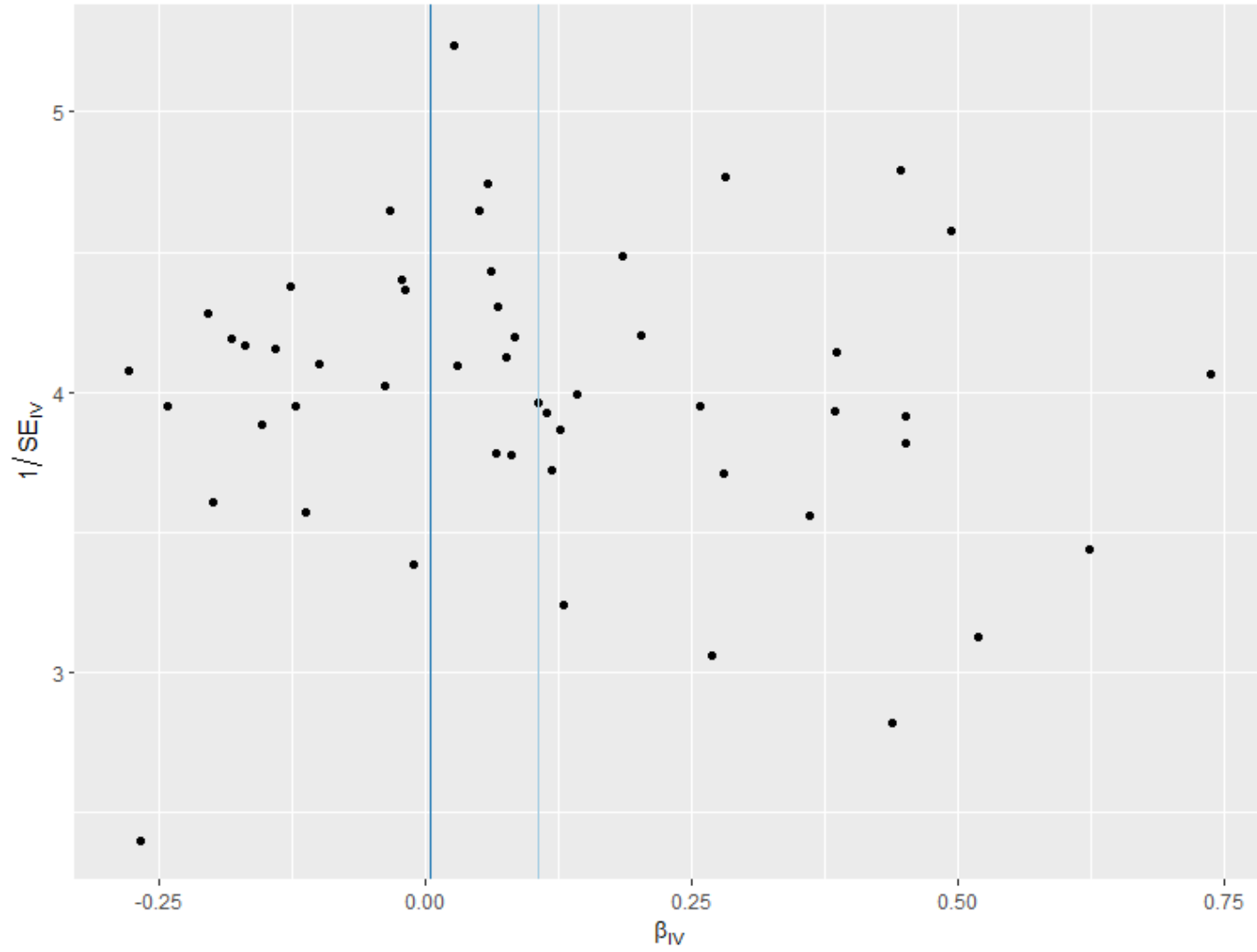


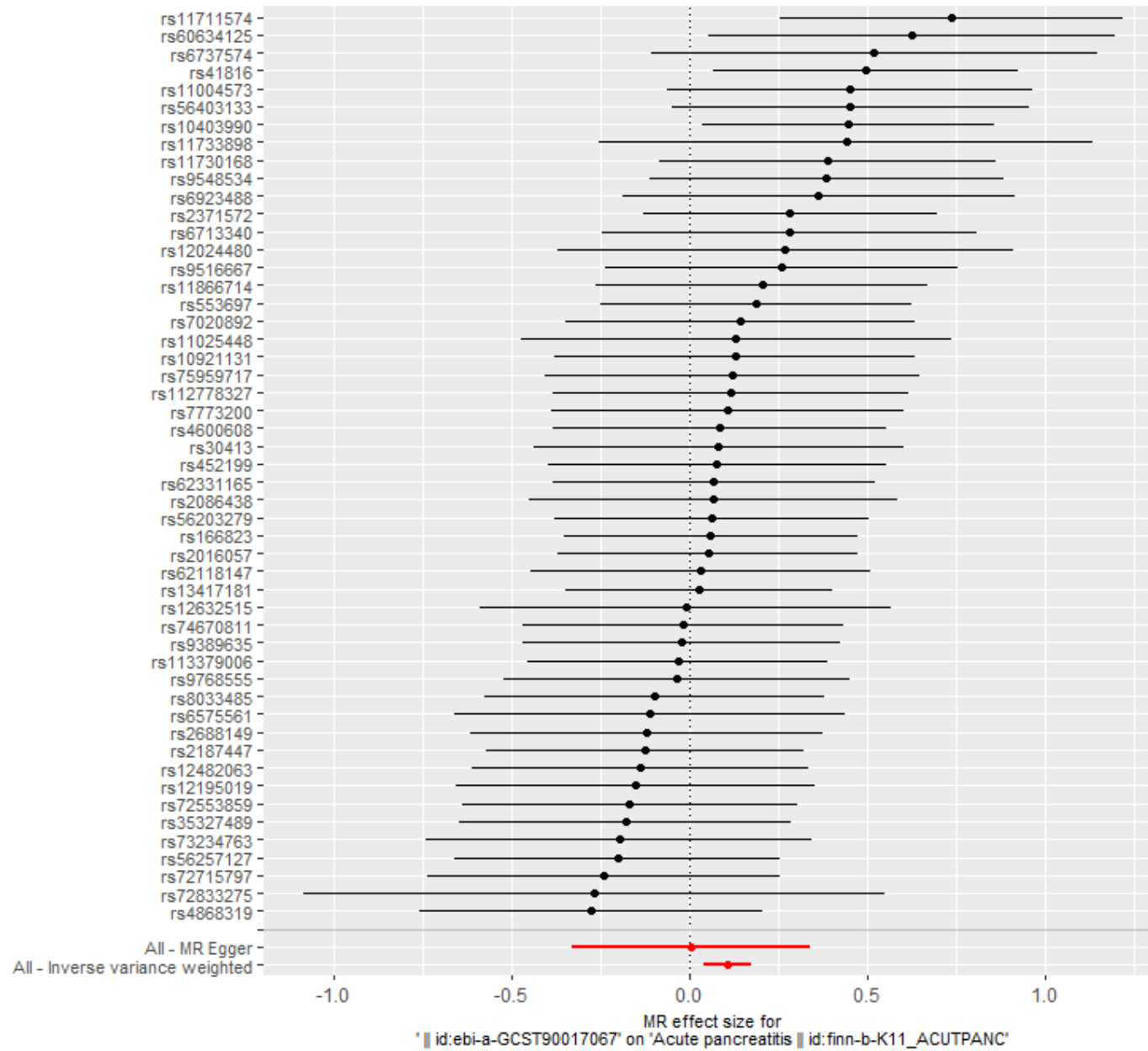
Figure 203 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Sellimonas* id.14369) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

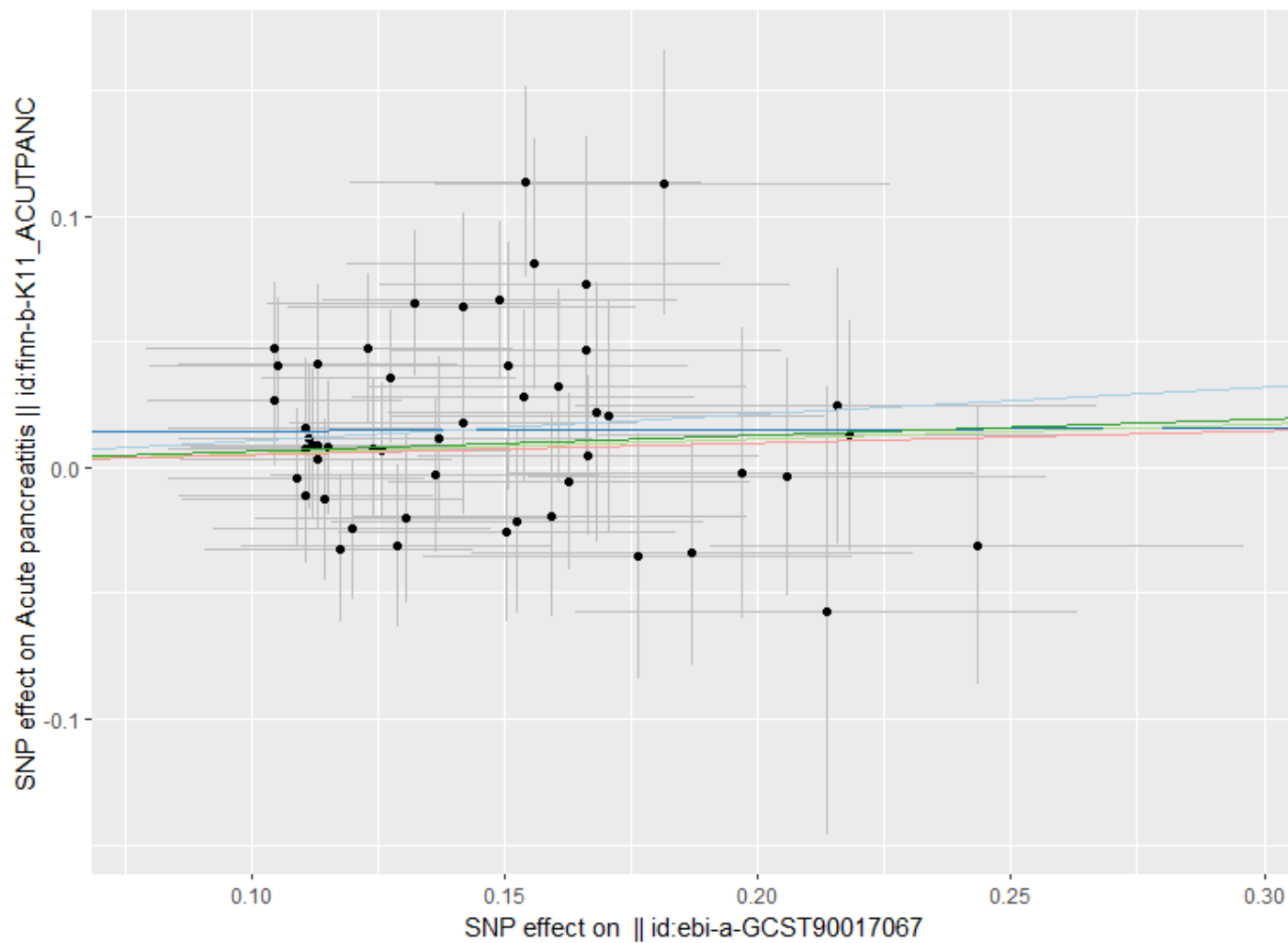
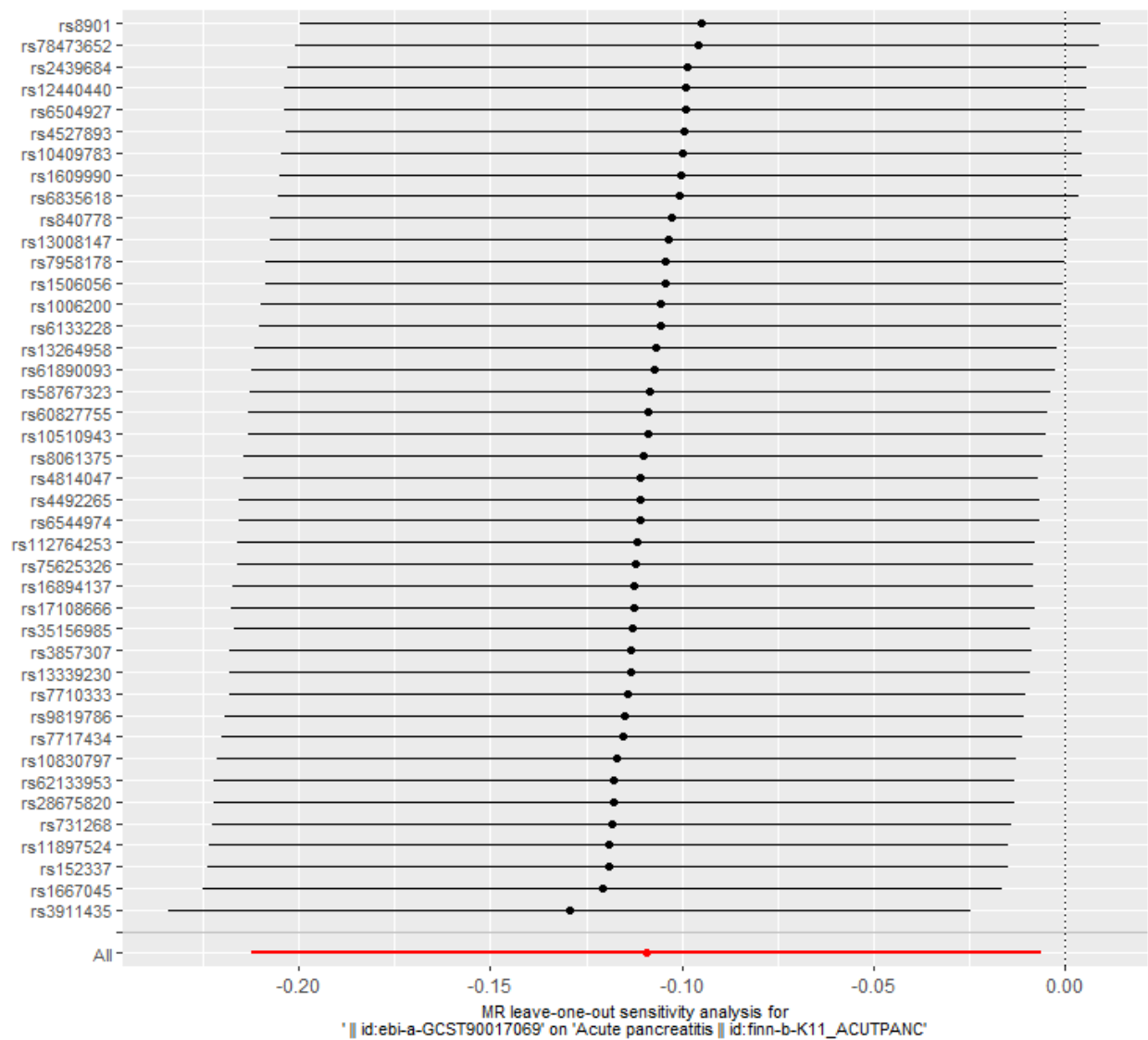
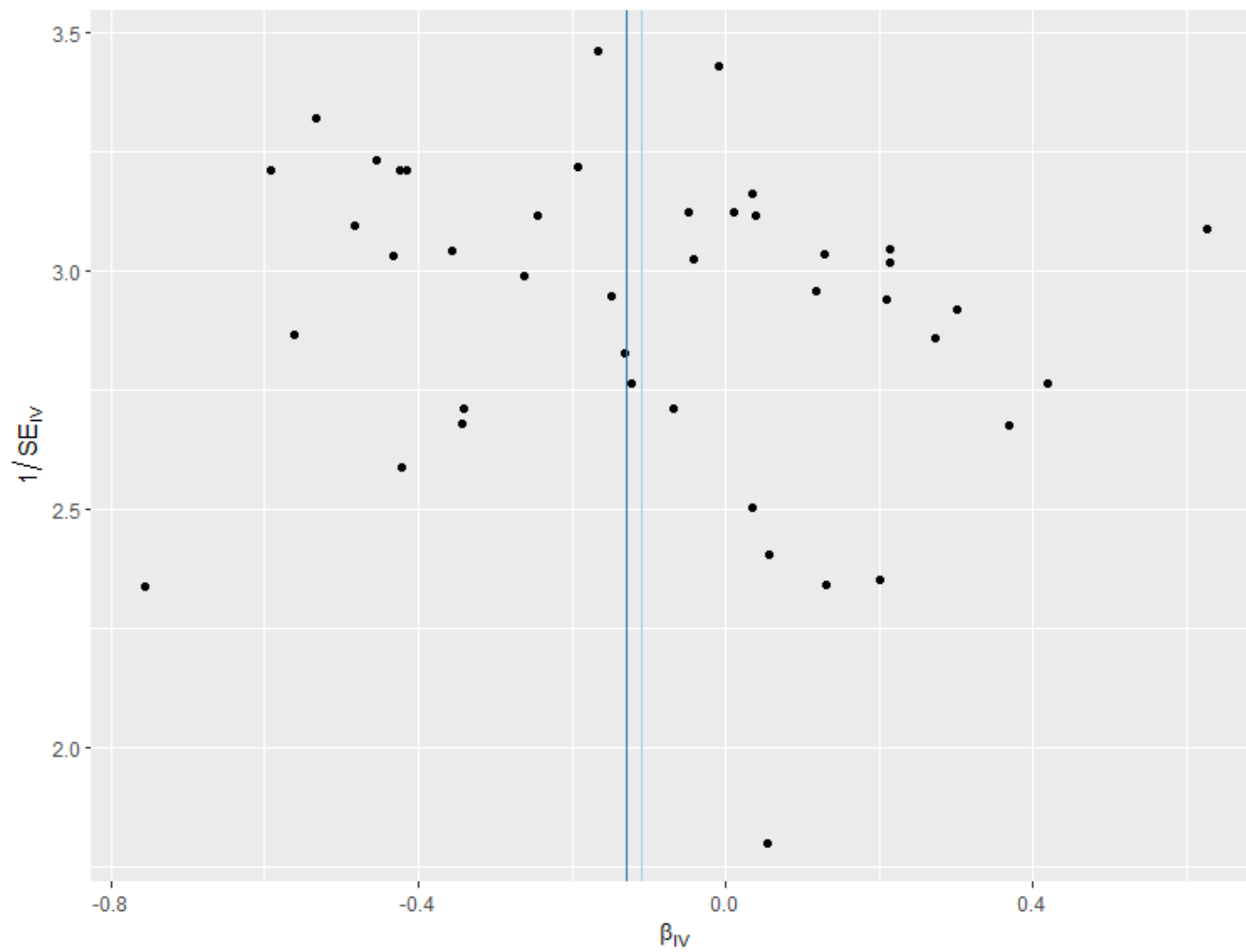


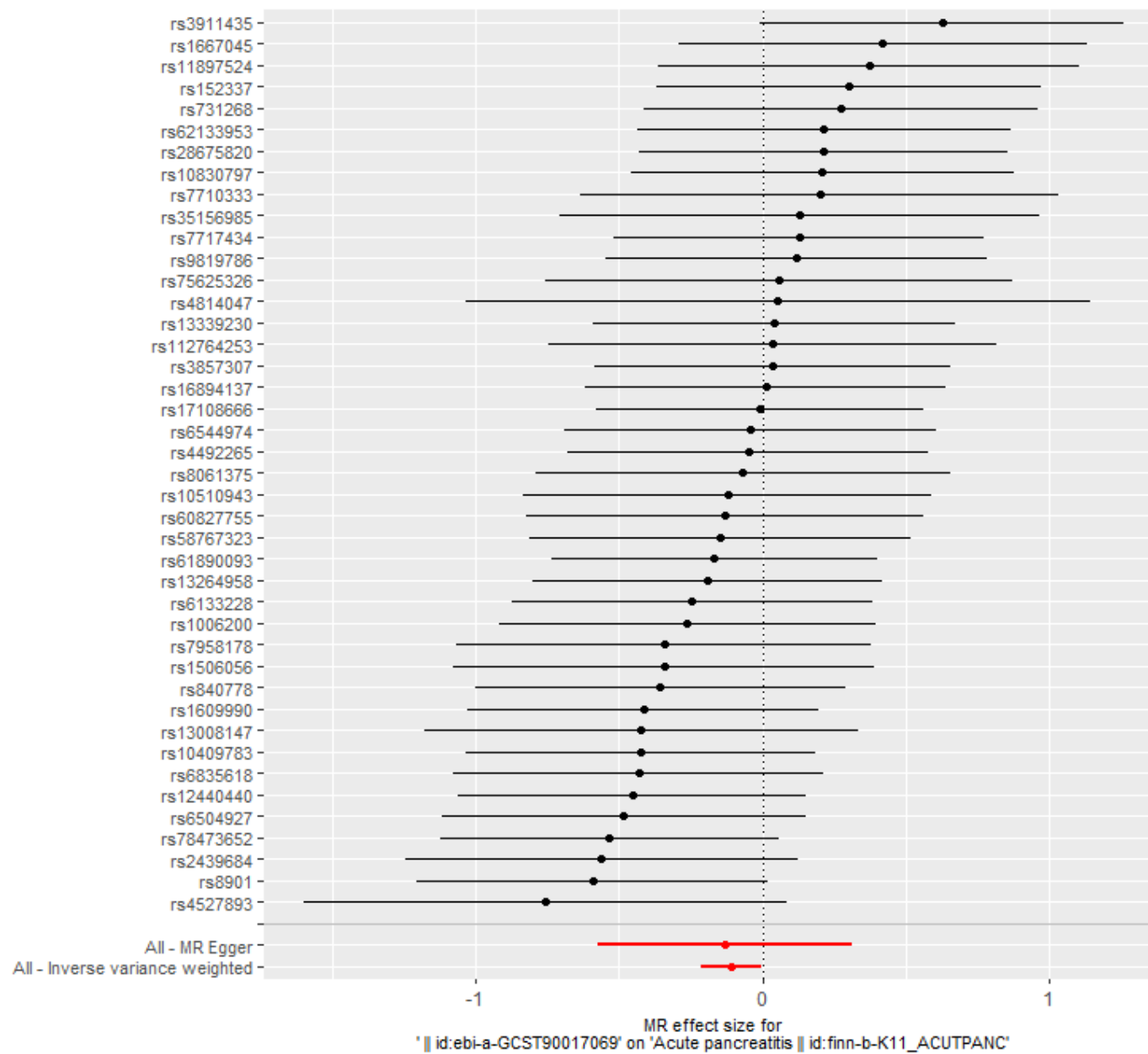
Figure 204 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Slackia* id.825) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

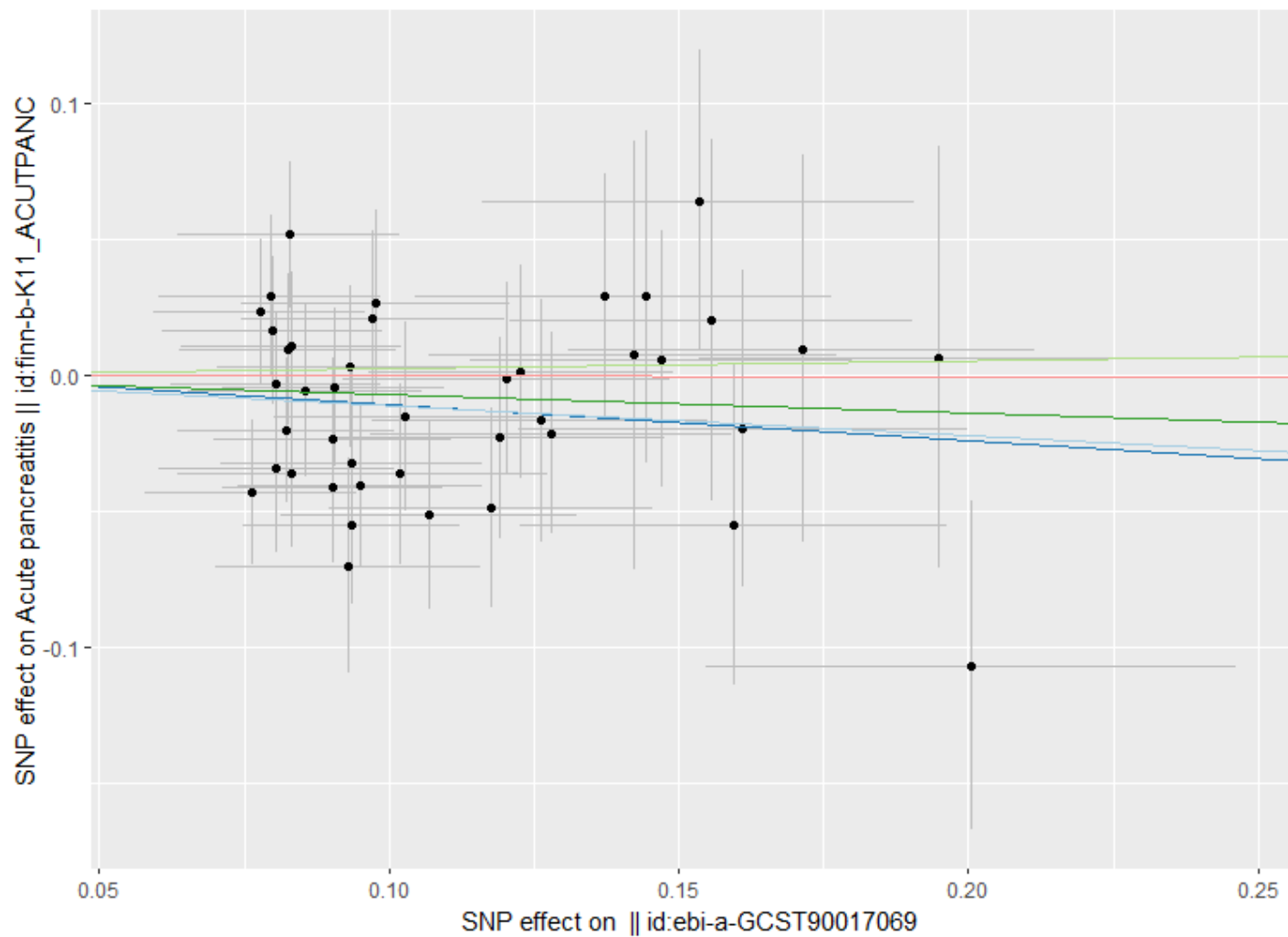
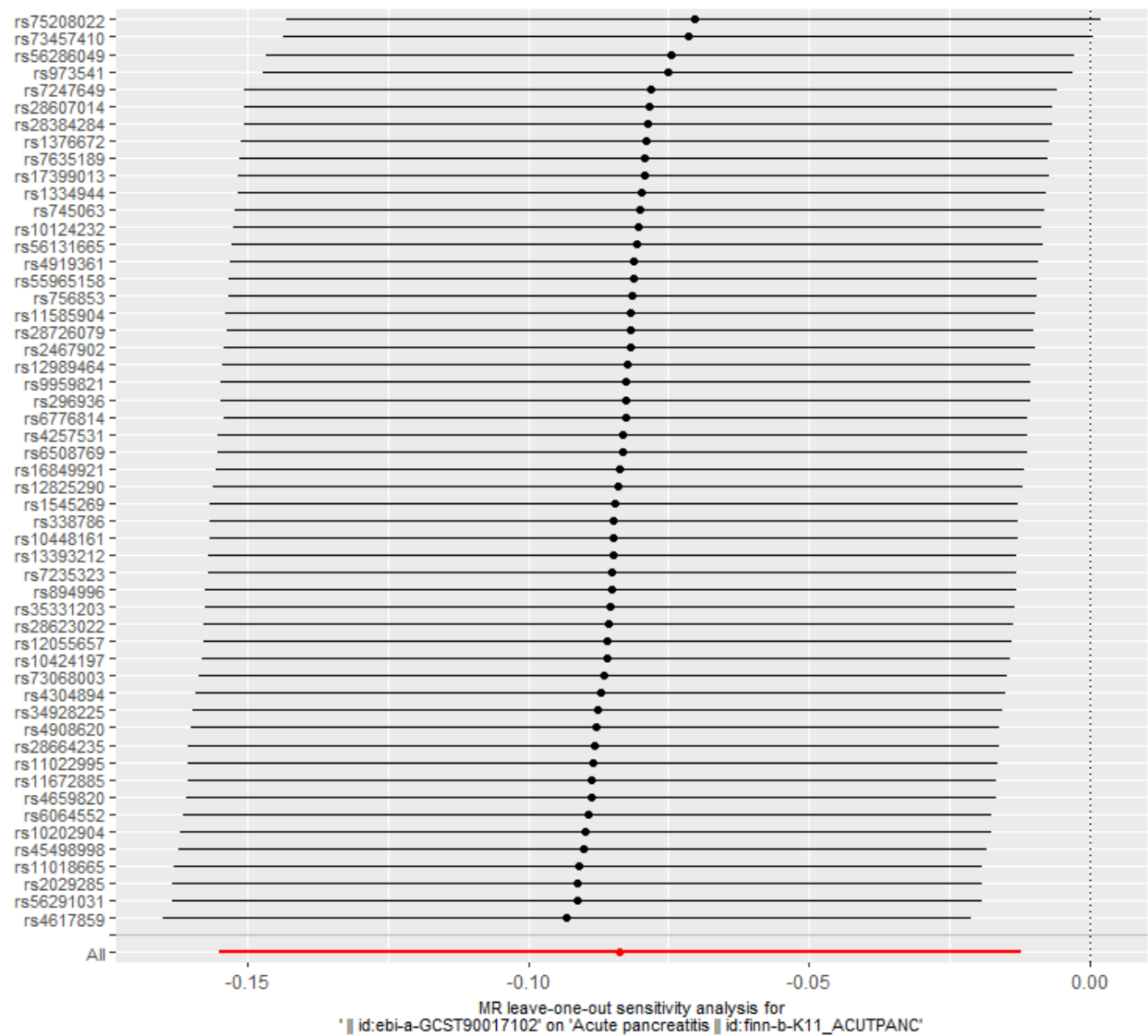
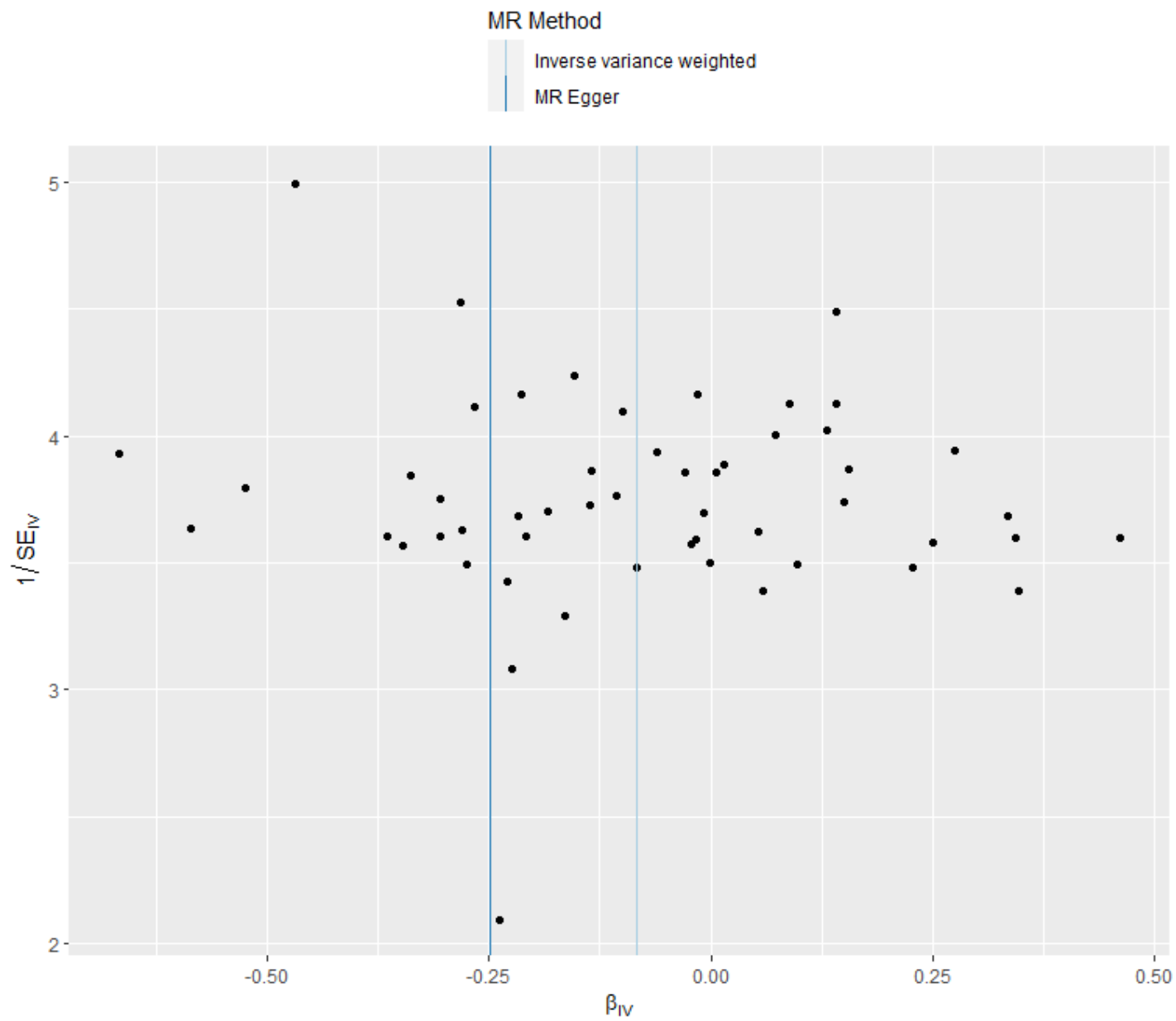
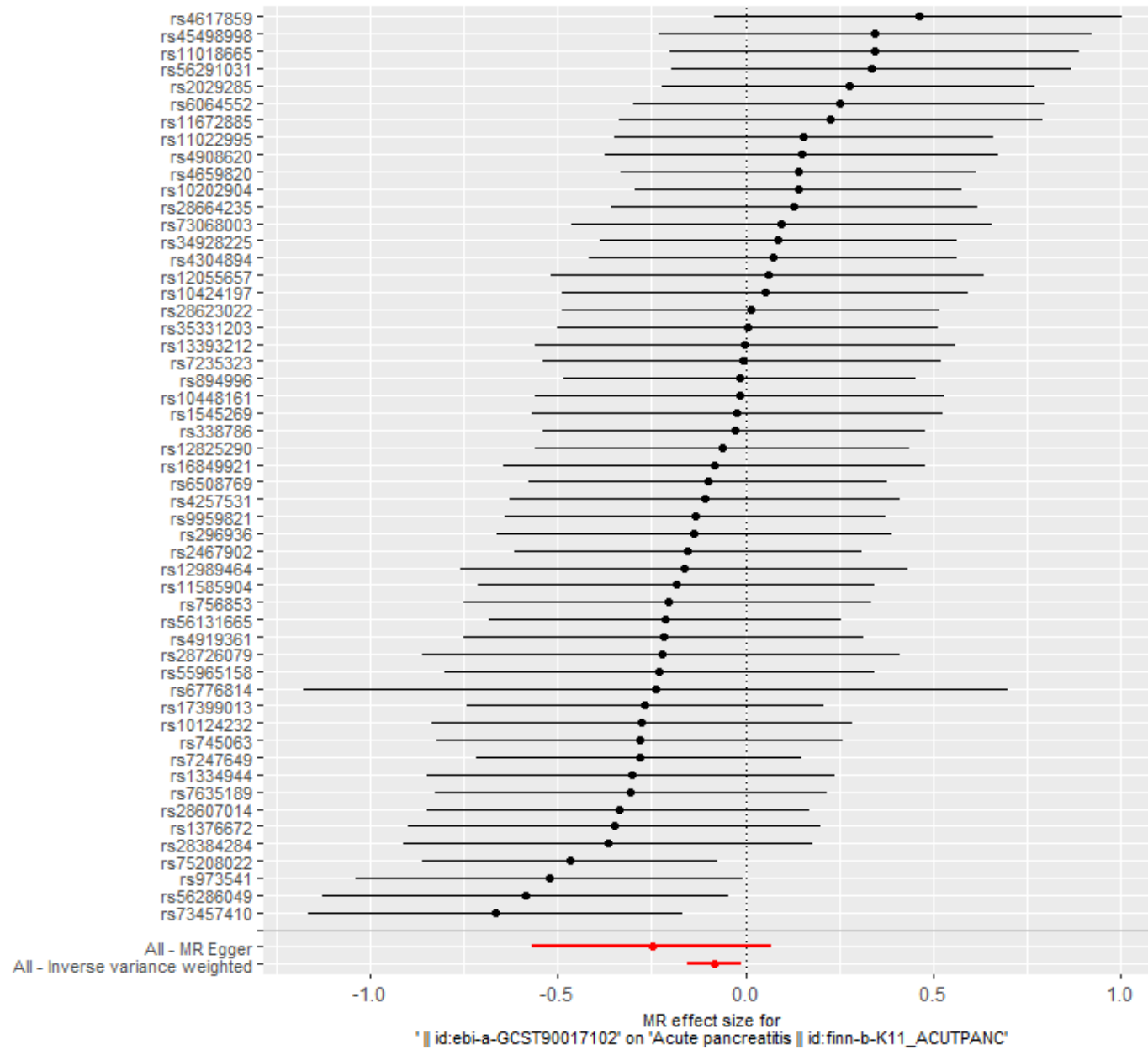


Figure 205 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (order Methanobacteriales id.120) on acute pancreatitis







MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

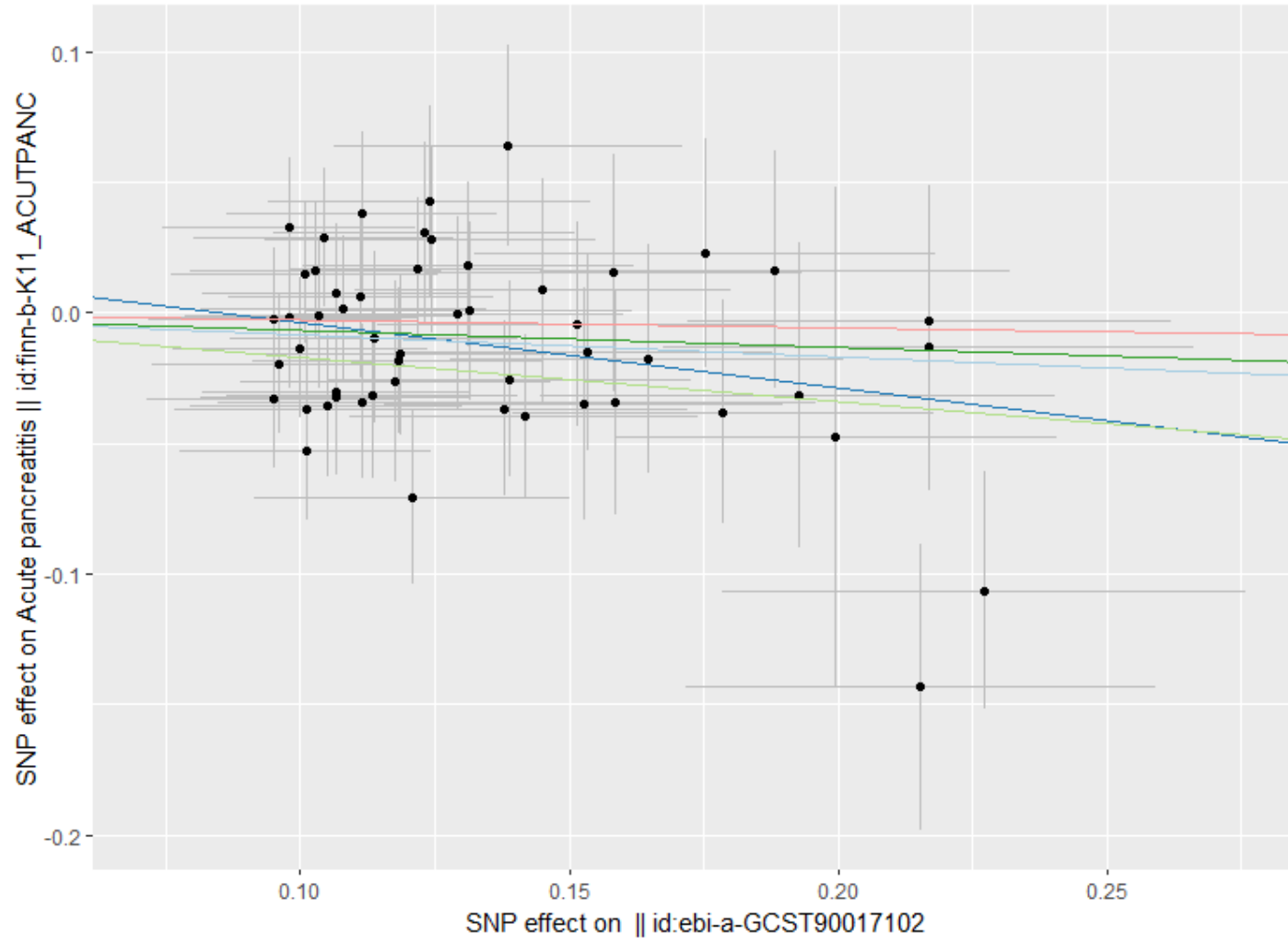
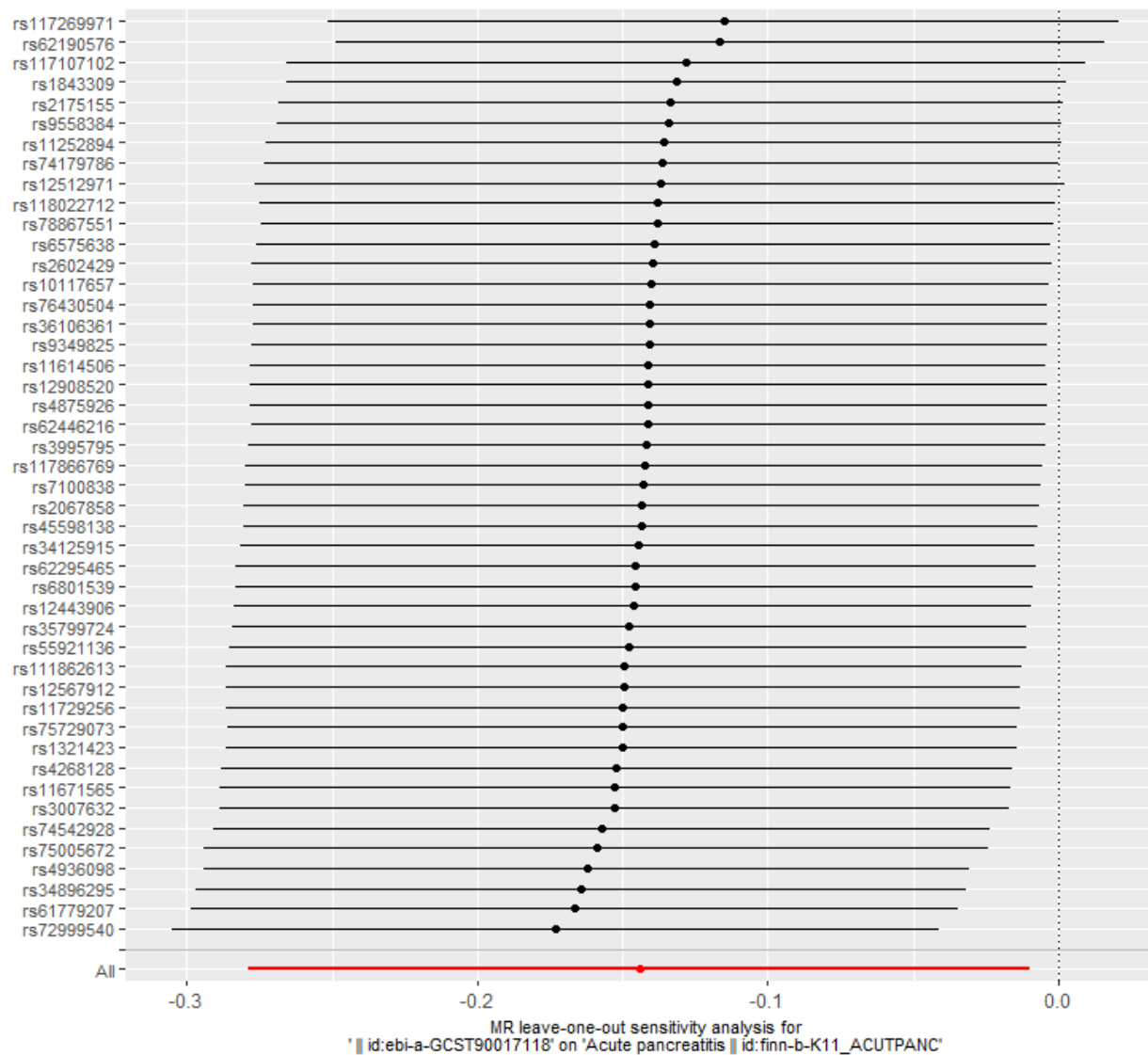
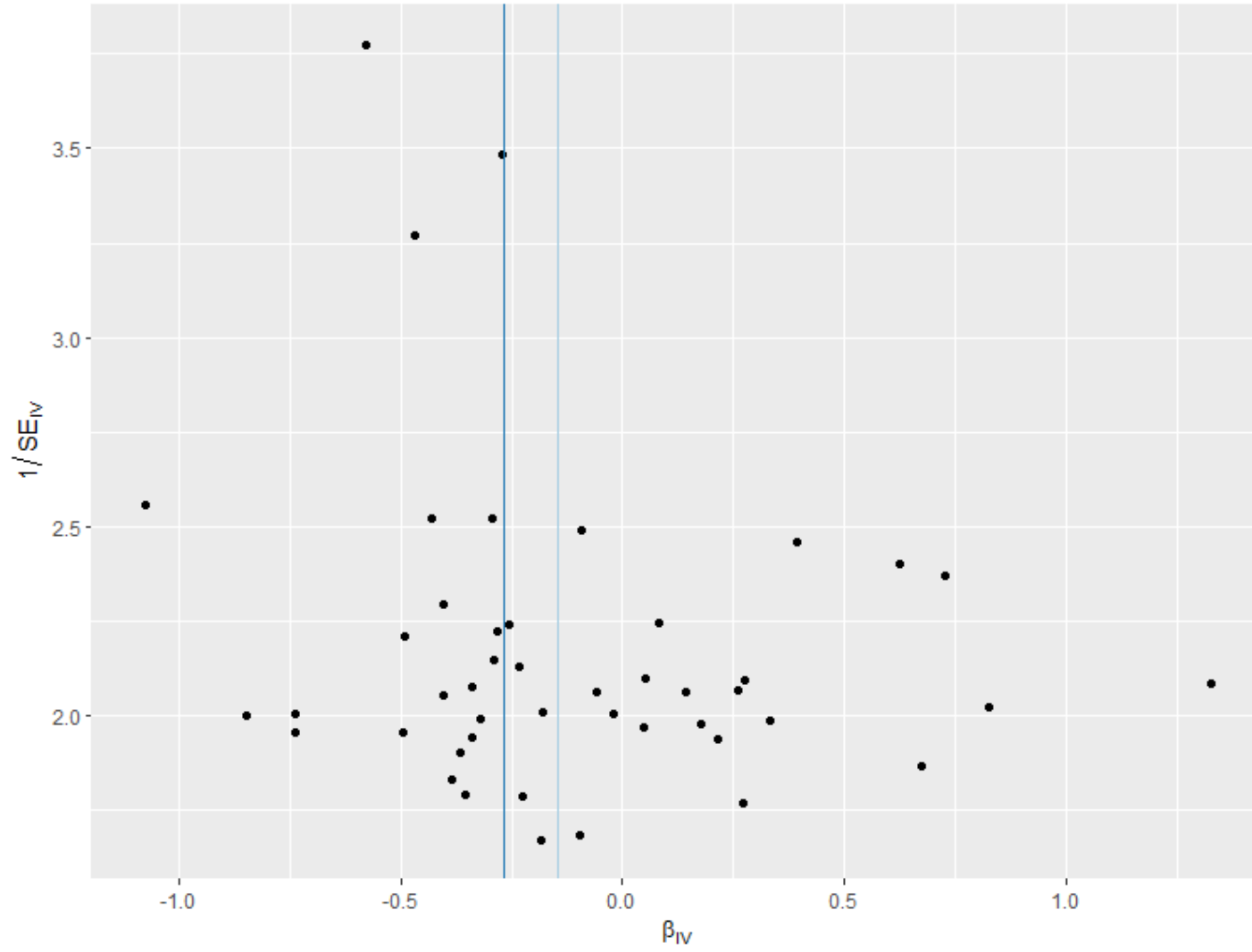


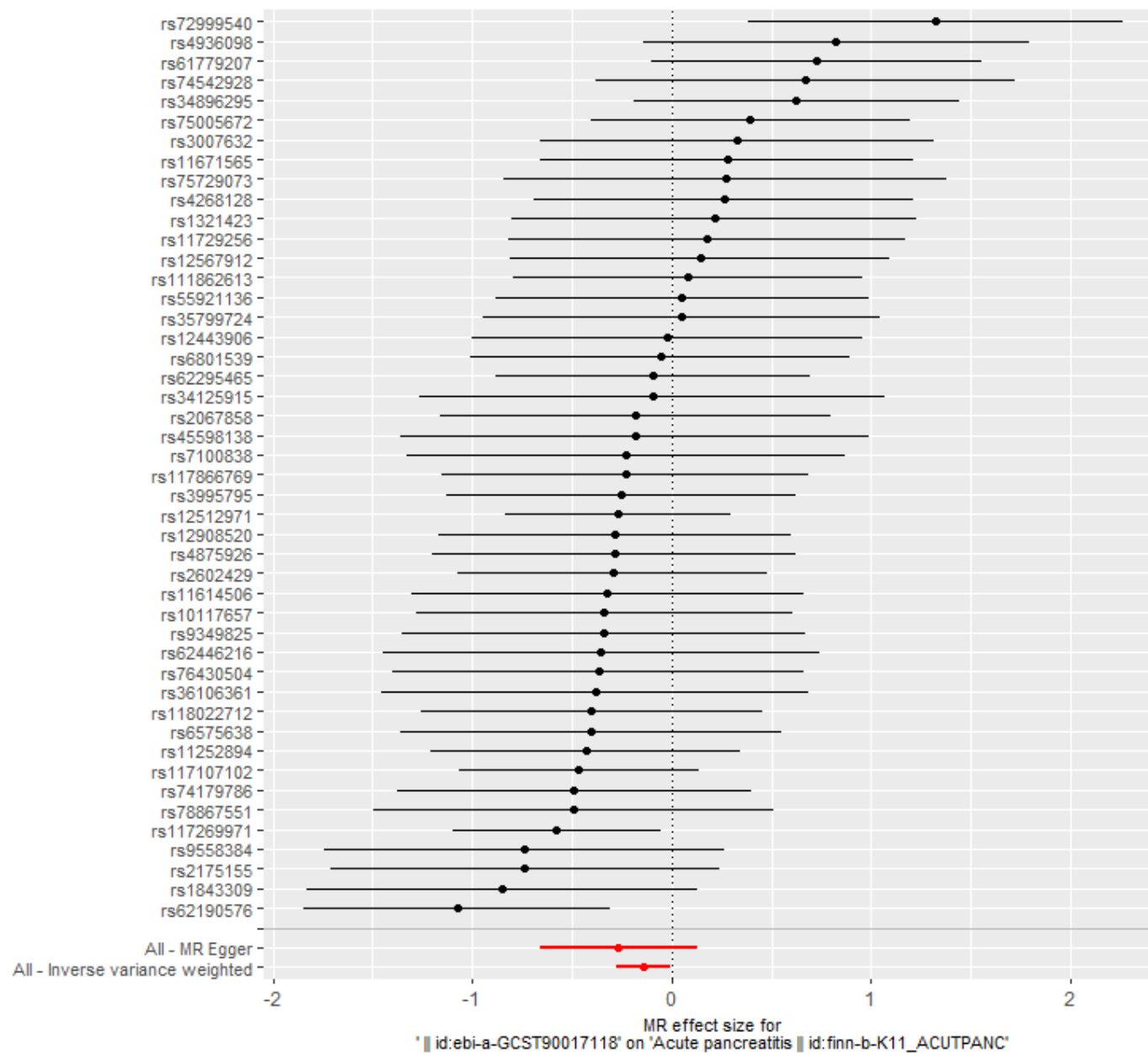
Figure 206 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (phylum Verrucomicrobia id.3982) on acute pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

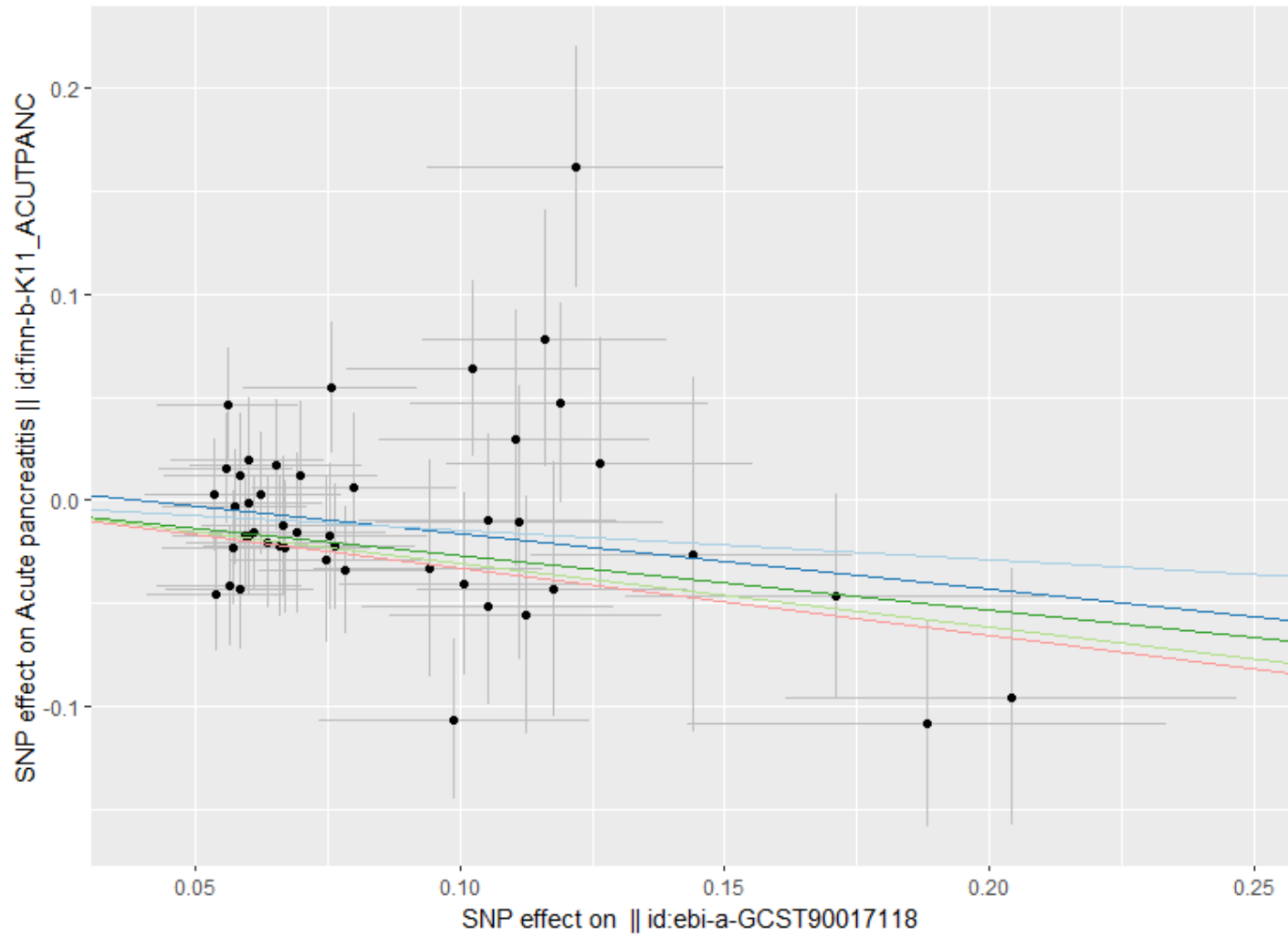
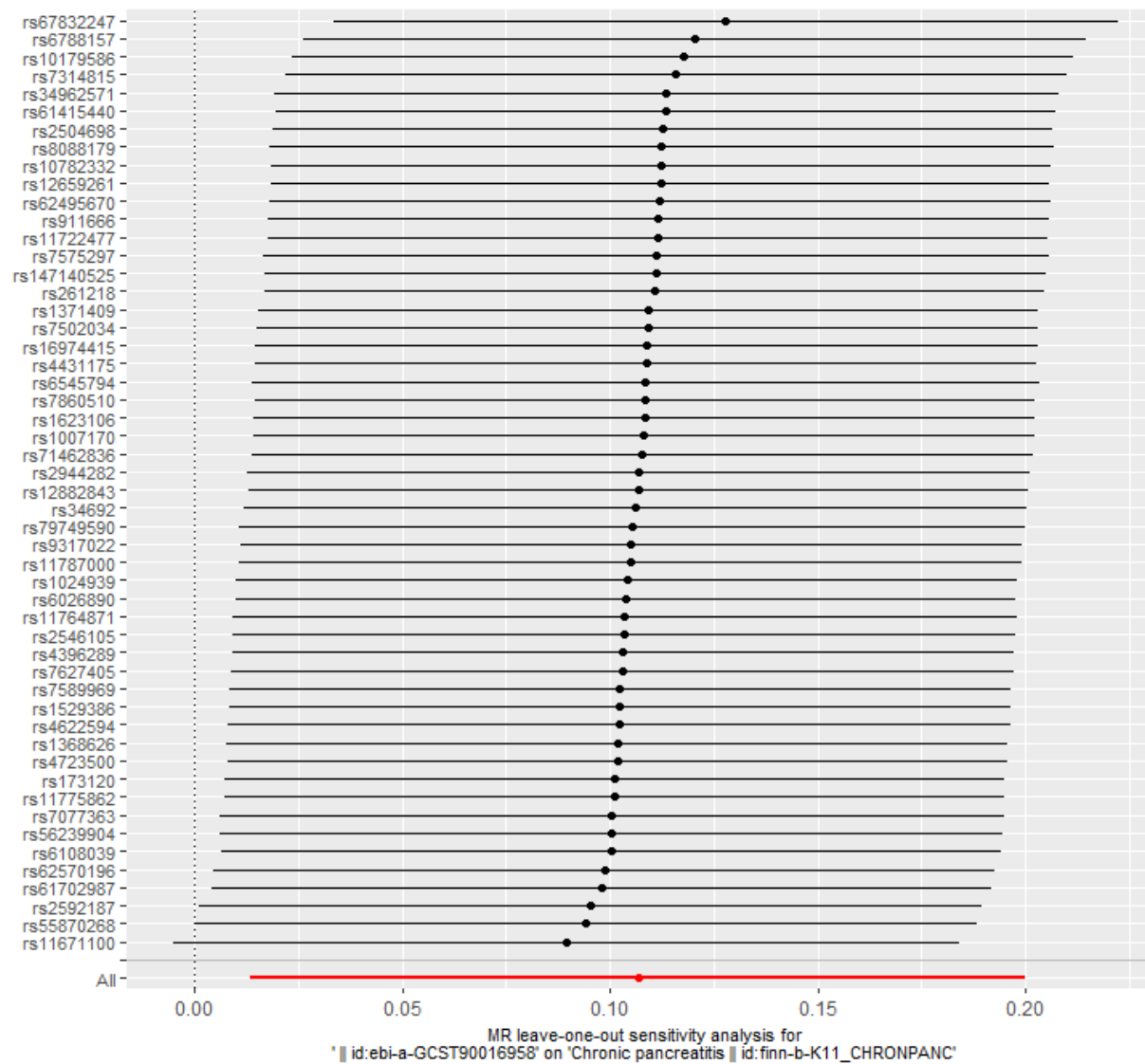
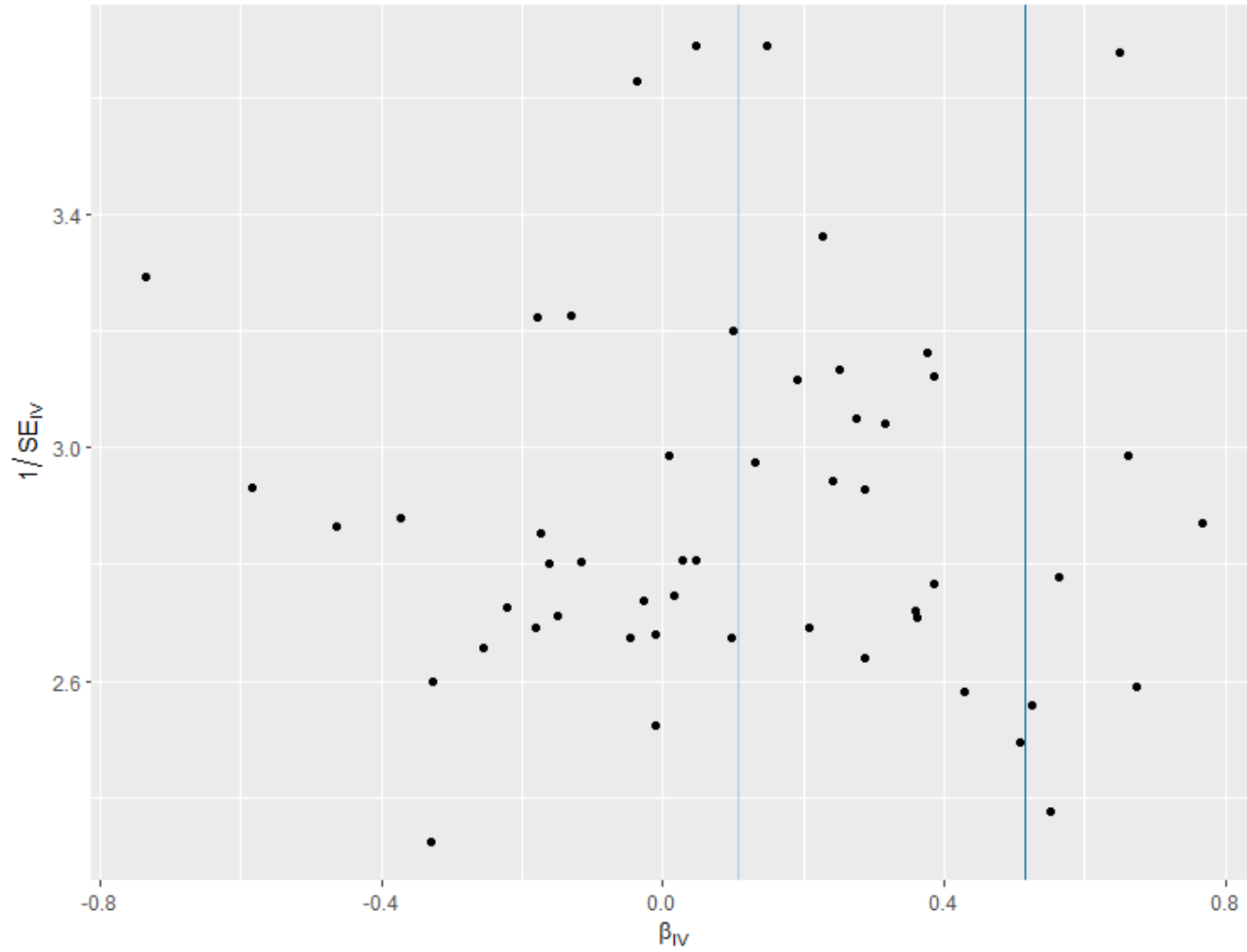


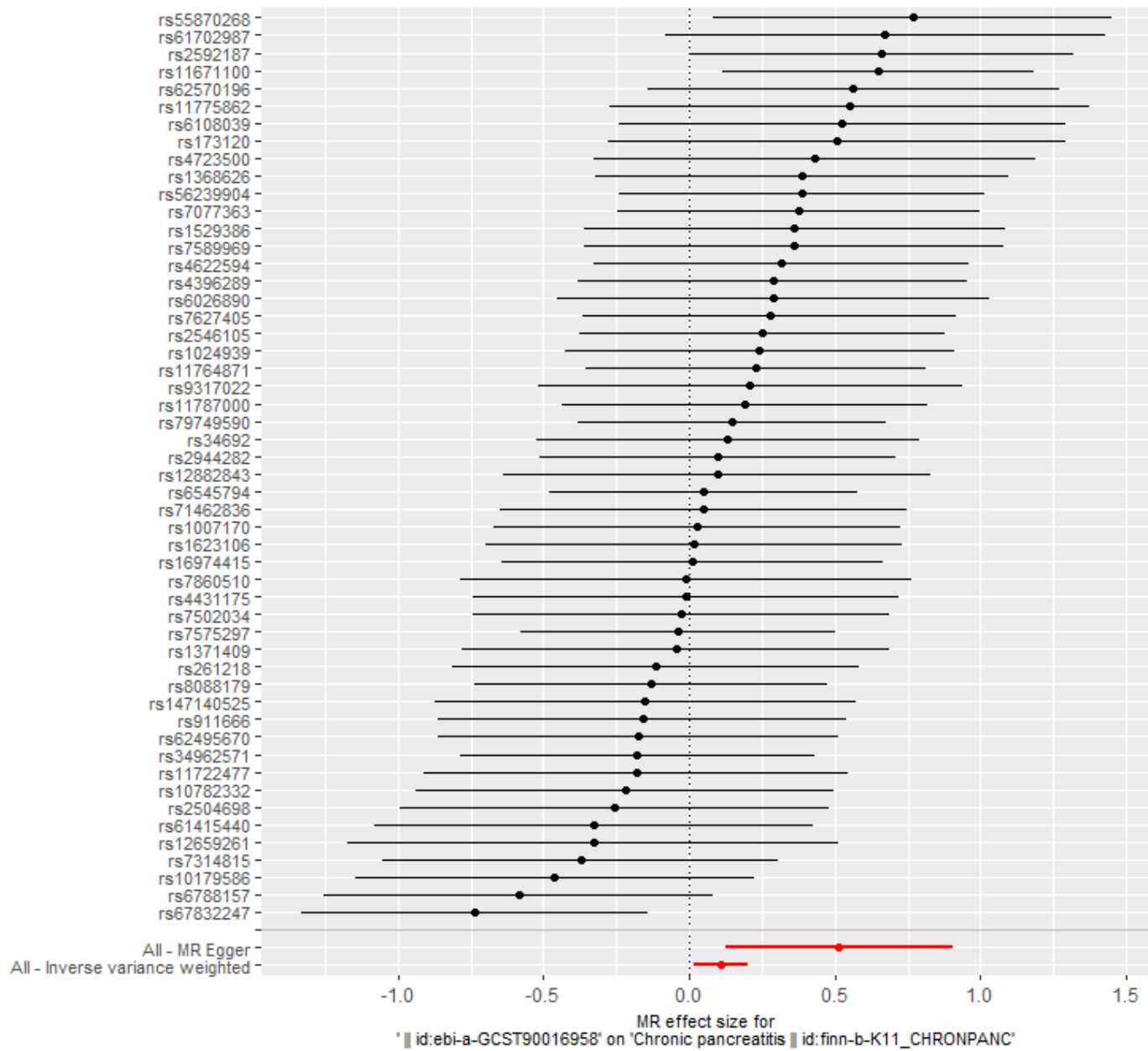
Figure 207 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (family Victivallaceae id.2255) on chronic pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

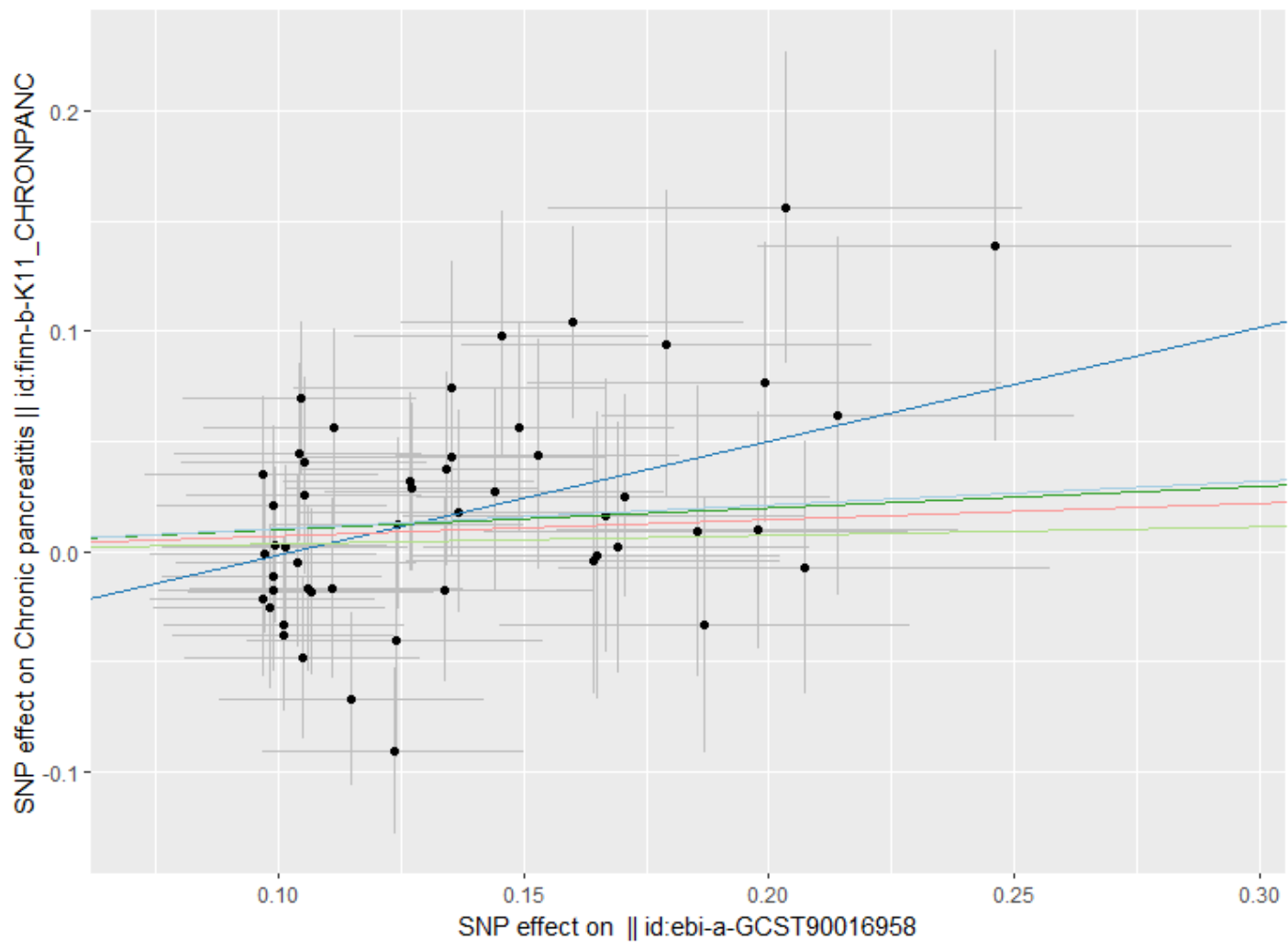
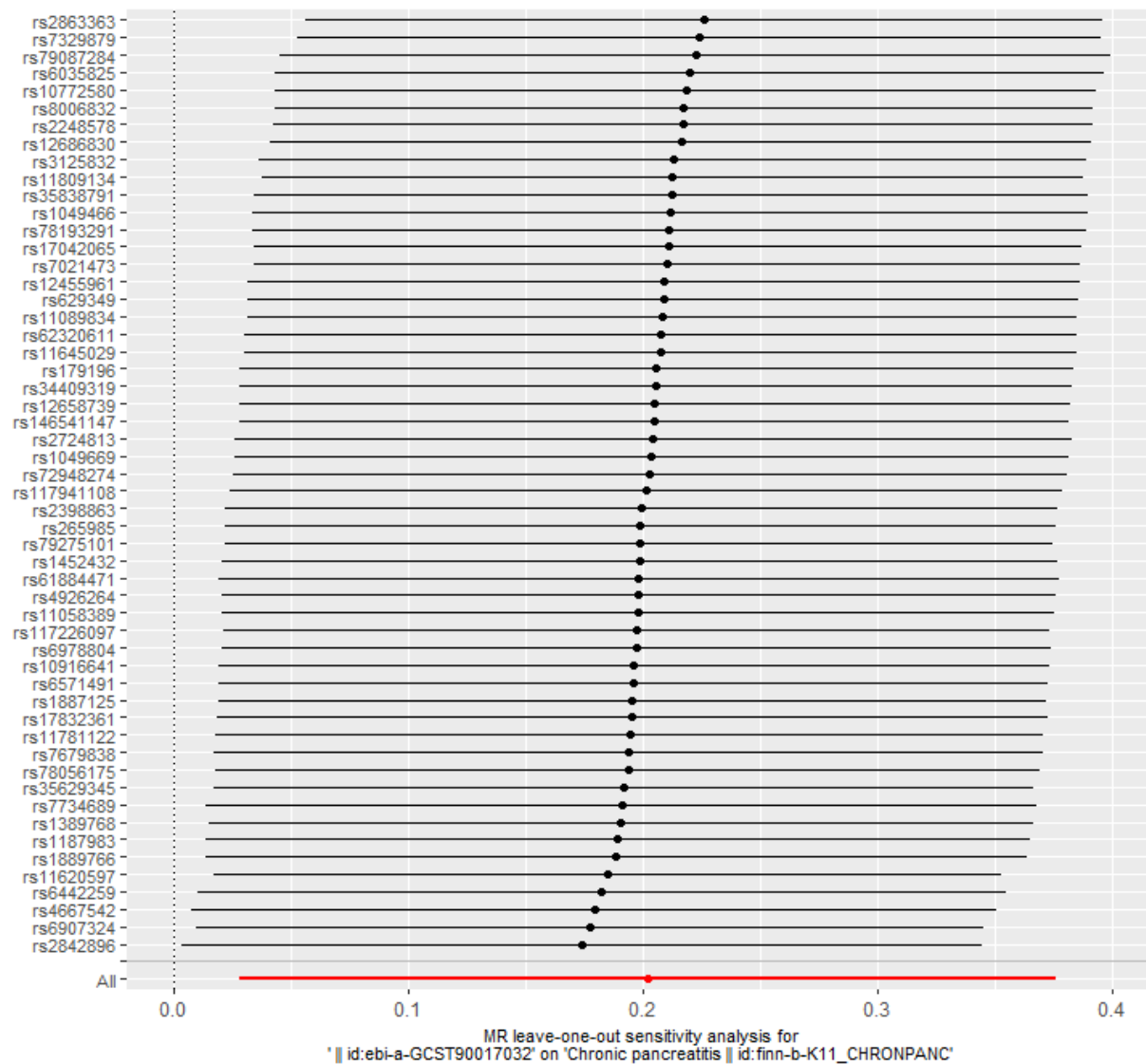
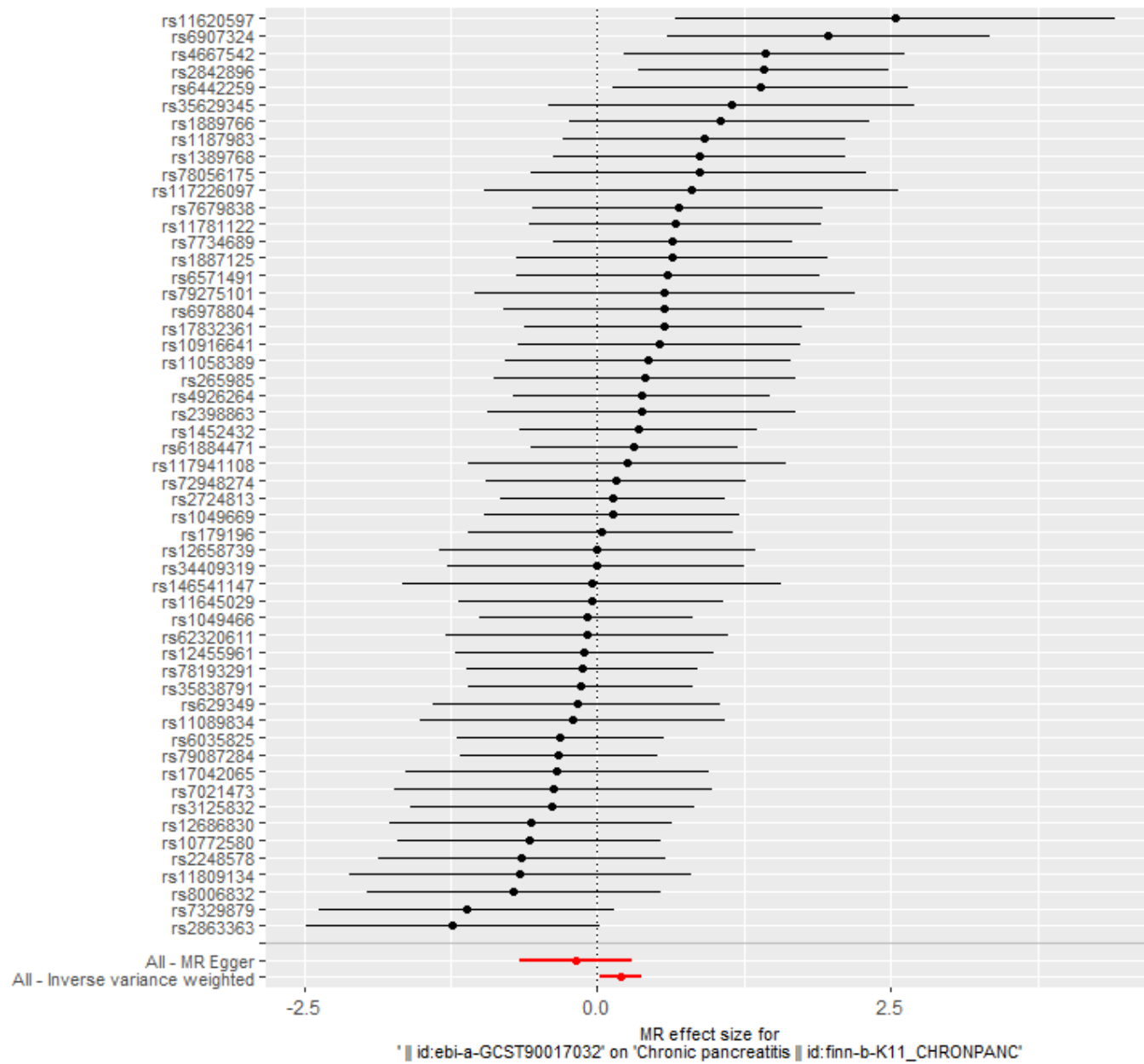


Figure 208 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Marvinbryantia id.2005) on chronic pancreatitis





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

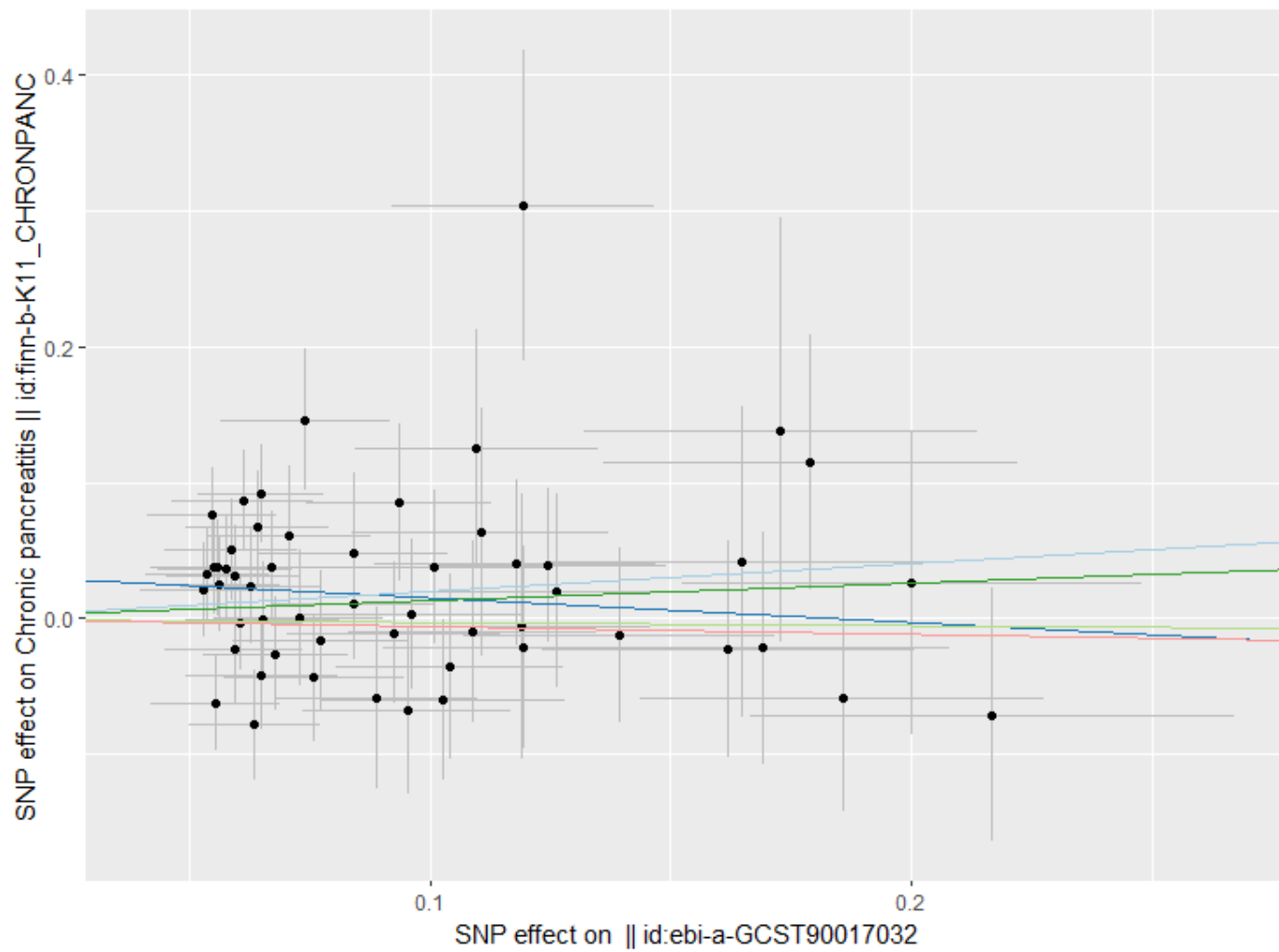
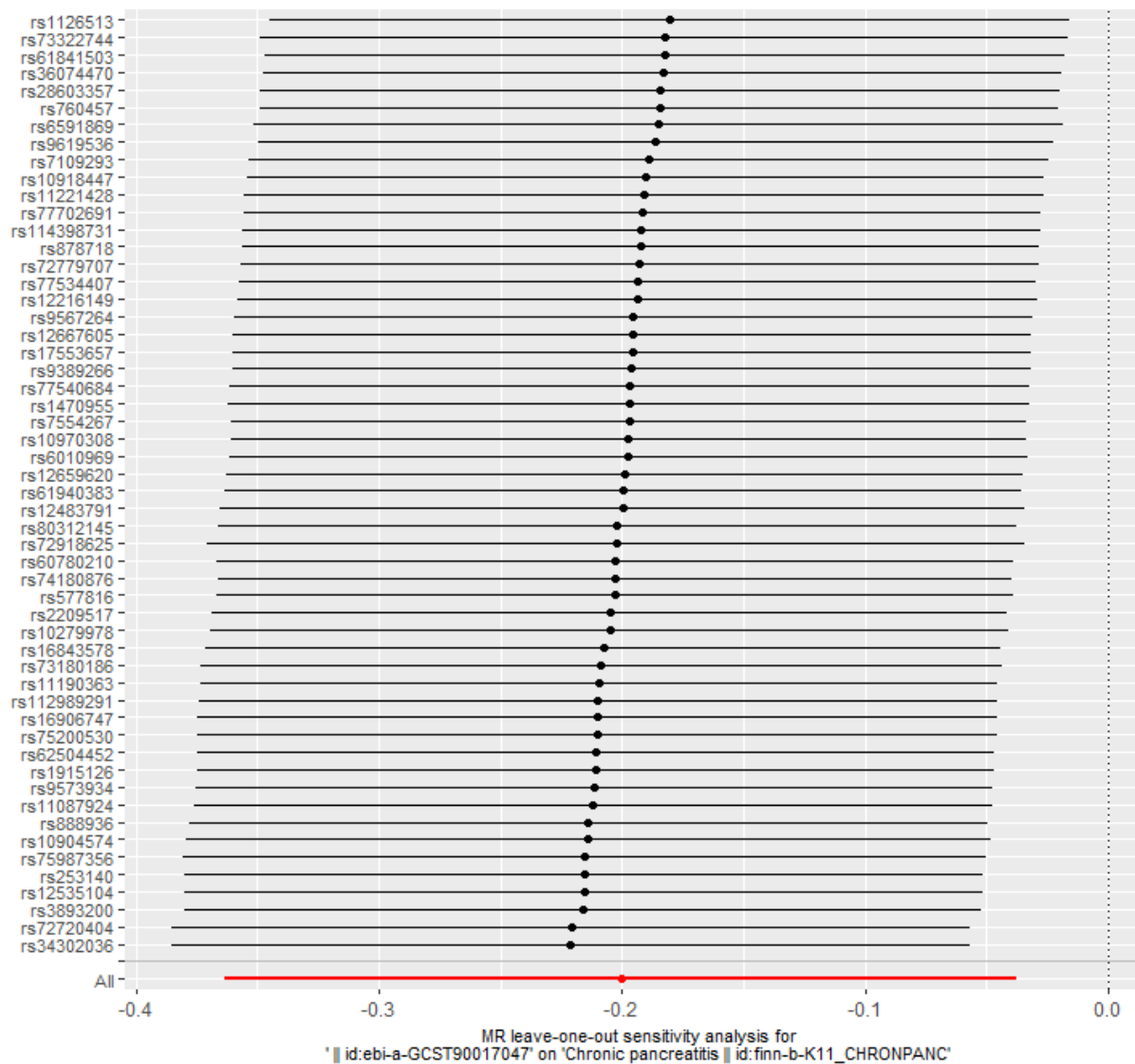
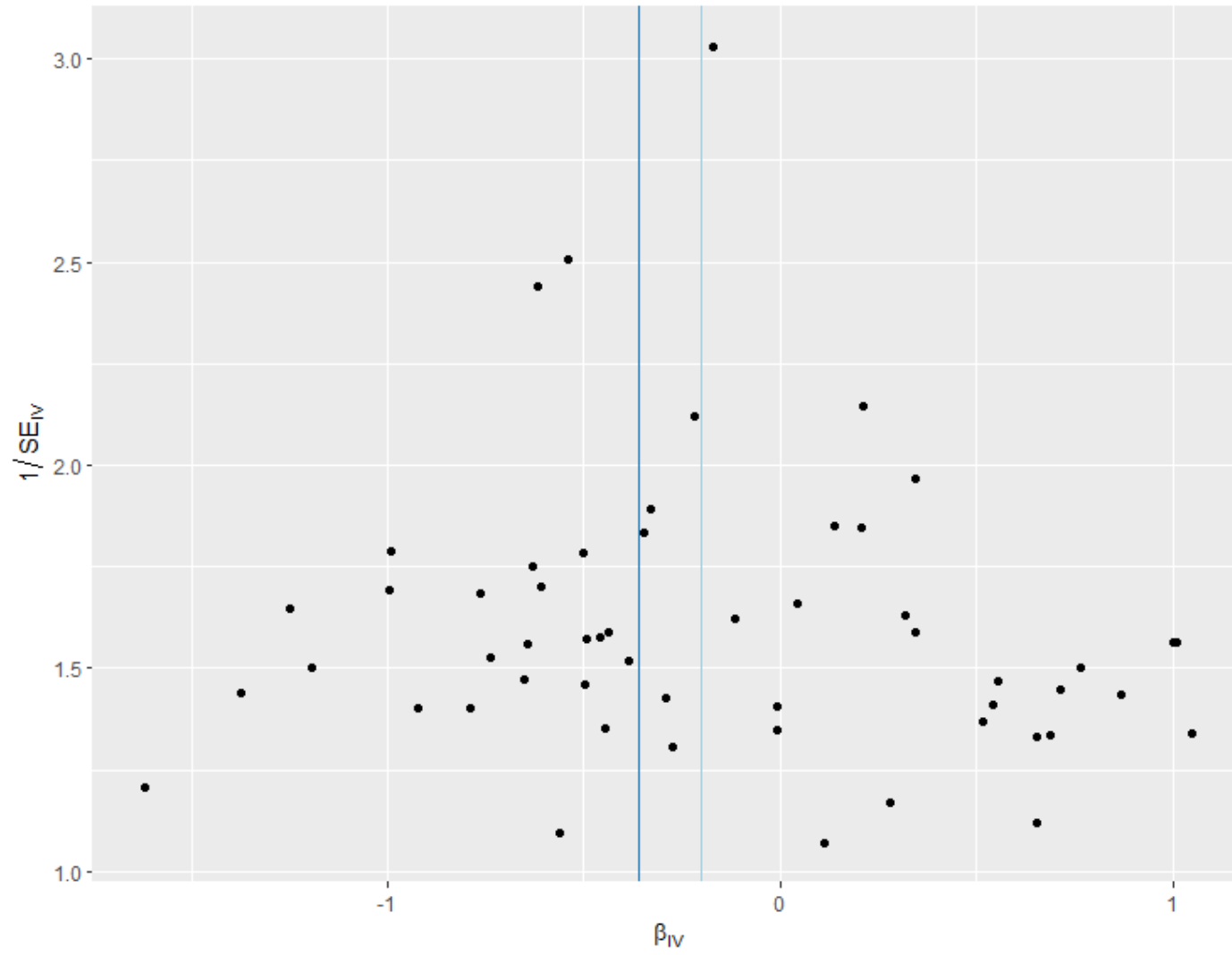


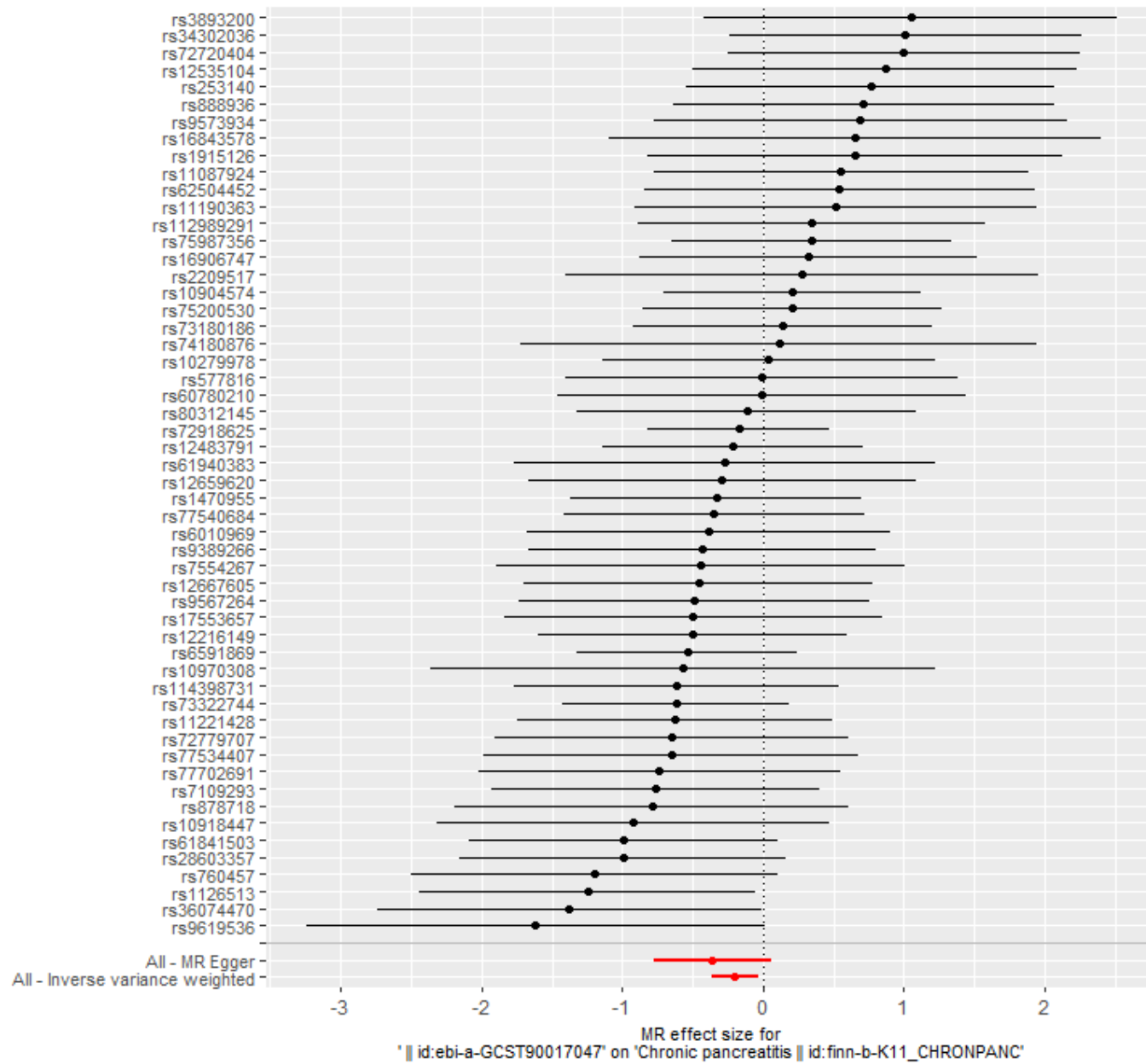
Figure 209 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Romboutsia id.11347) on chronic pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

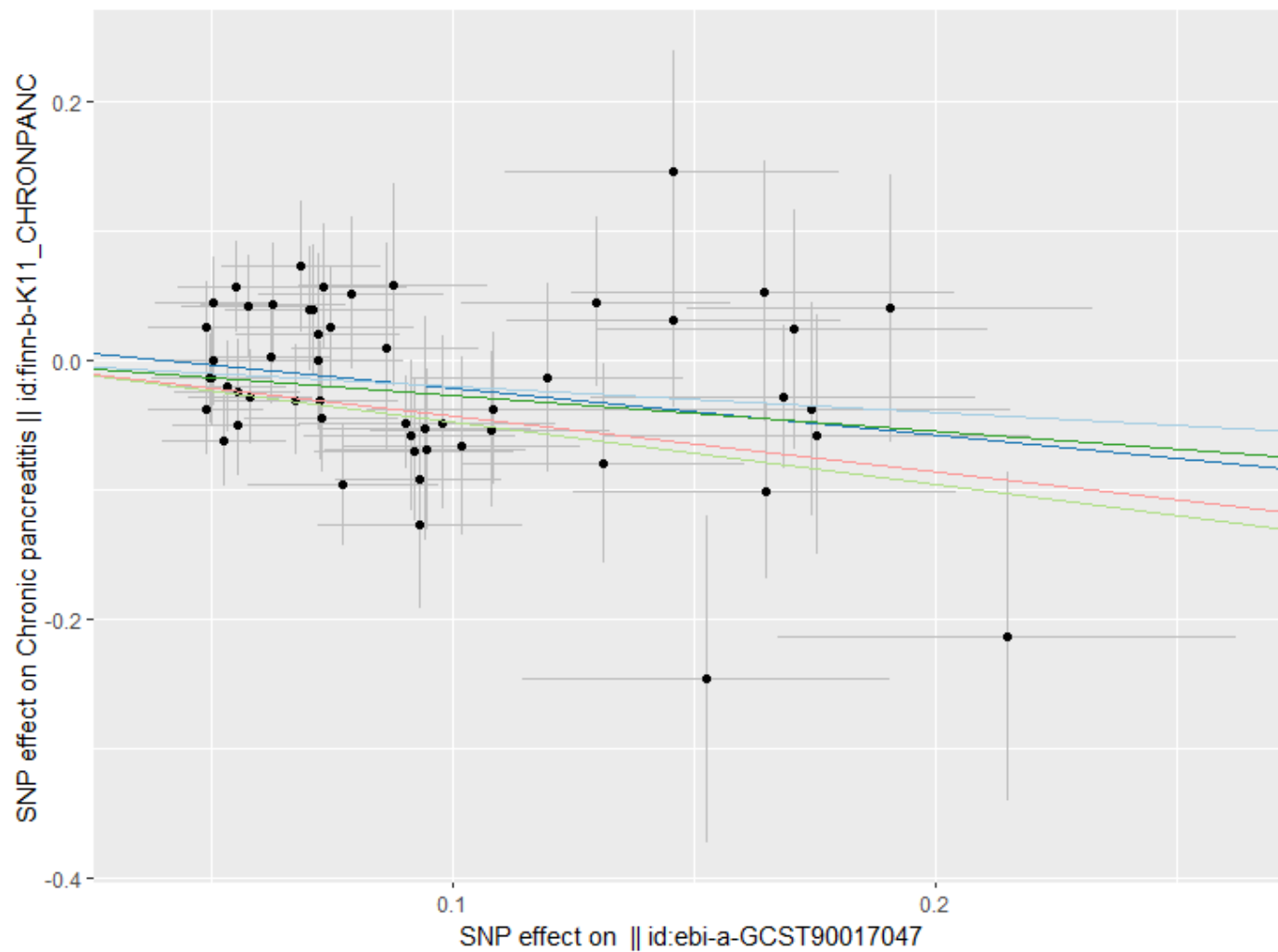
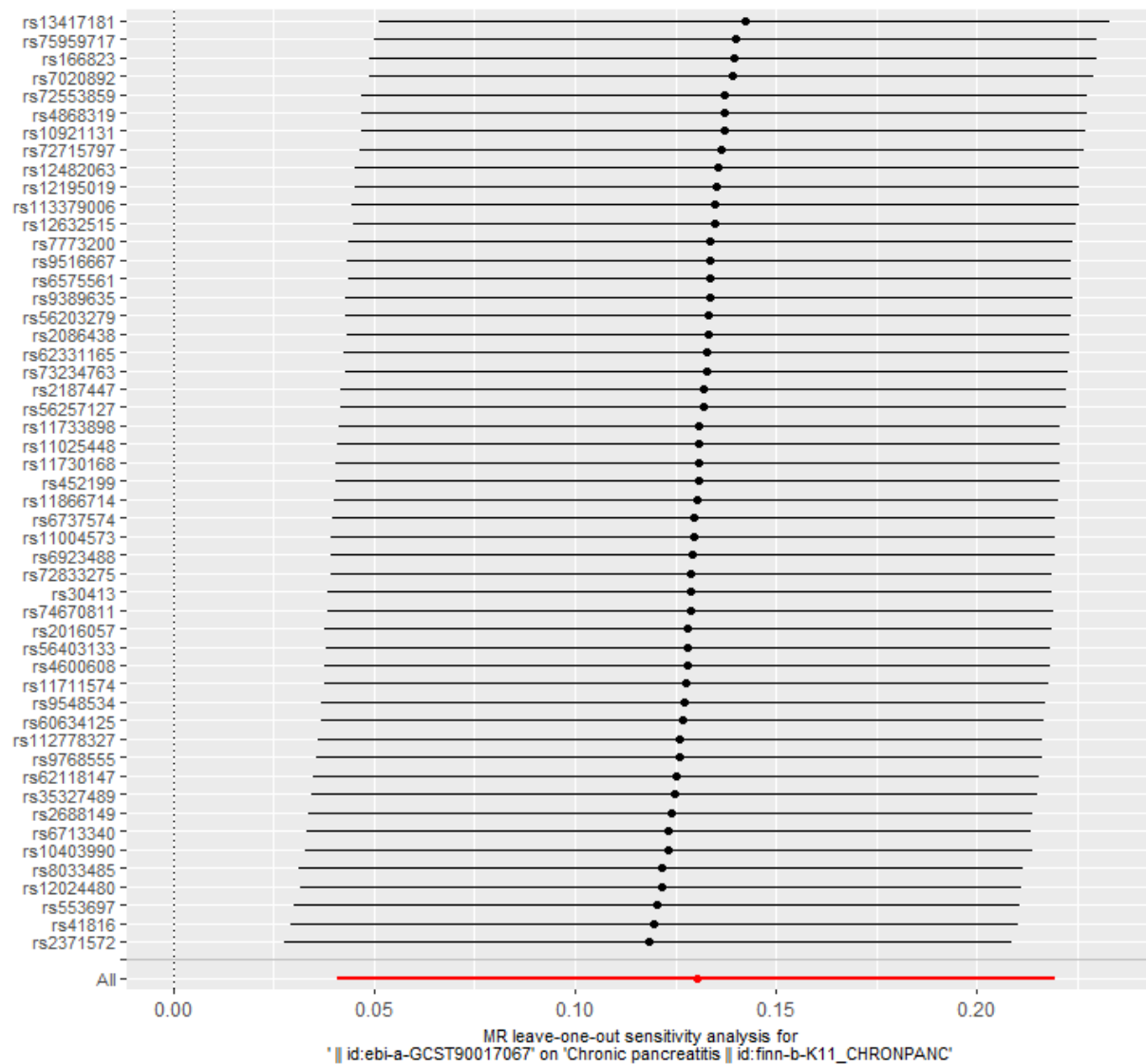
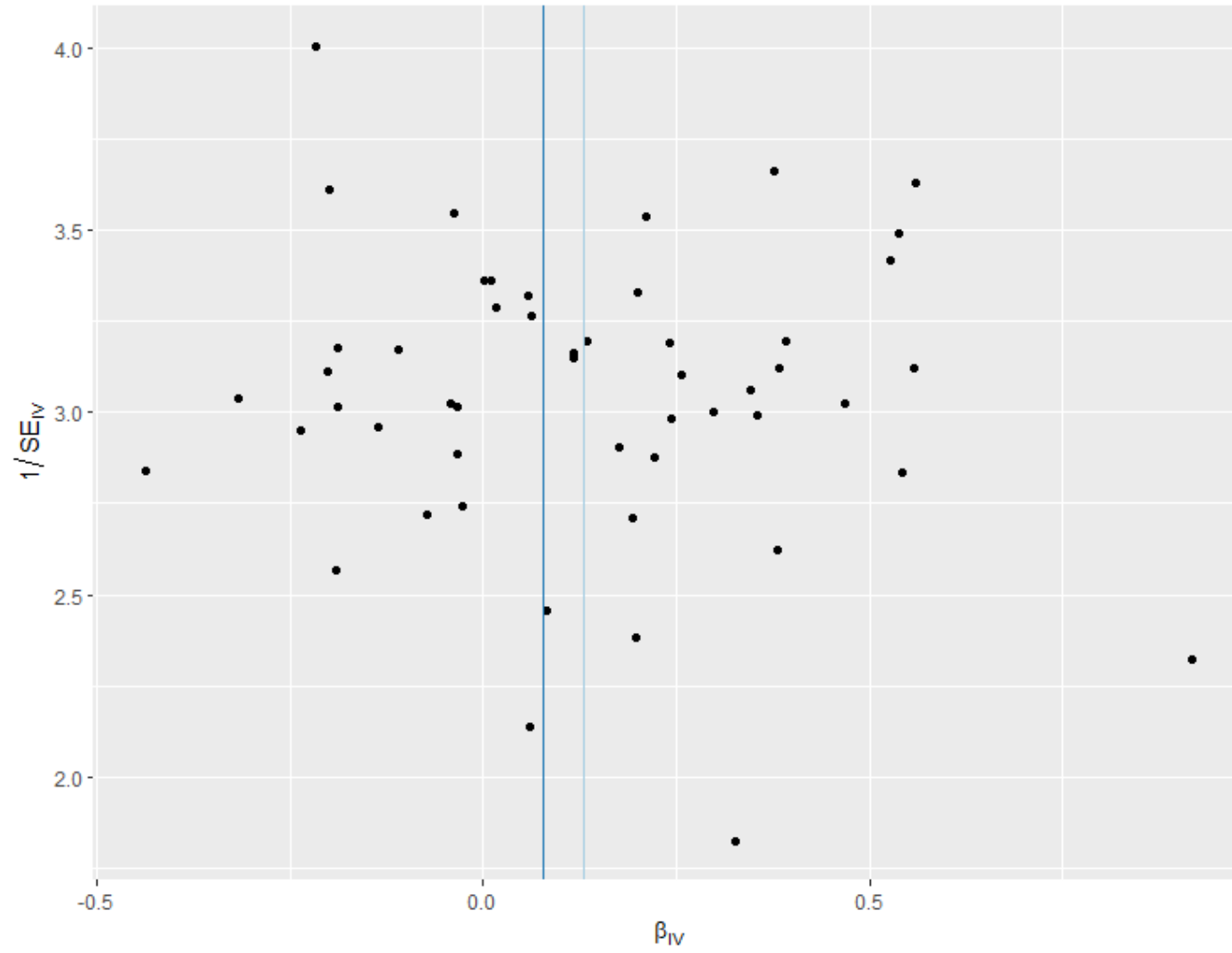


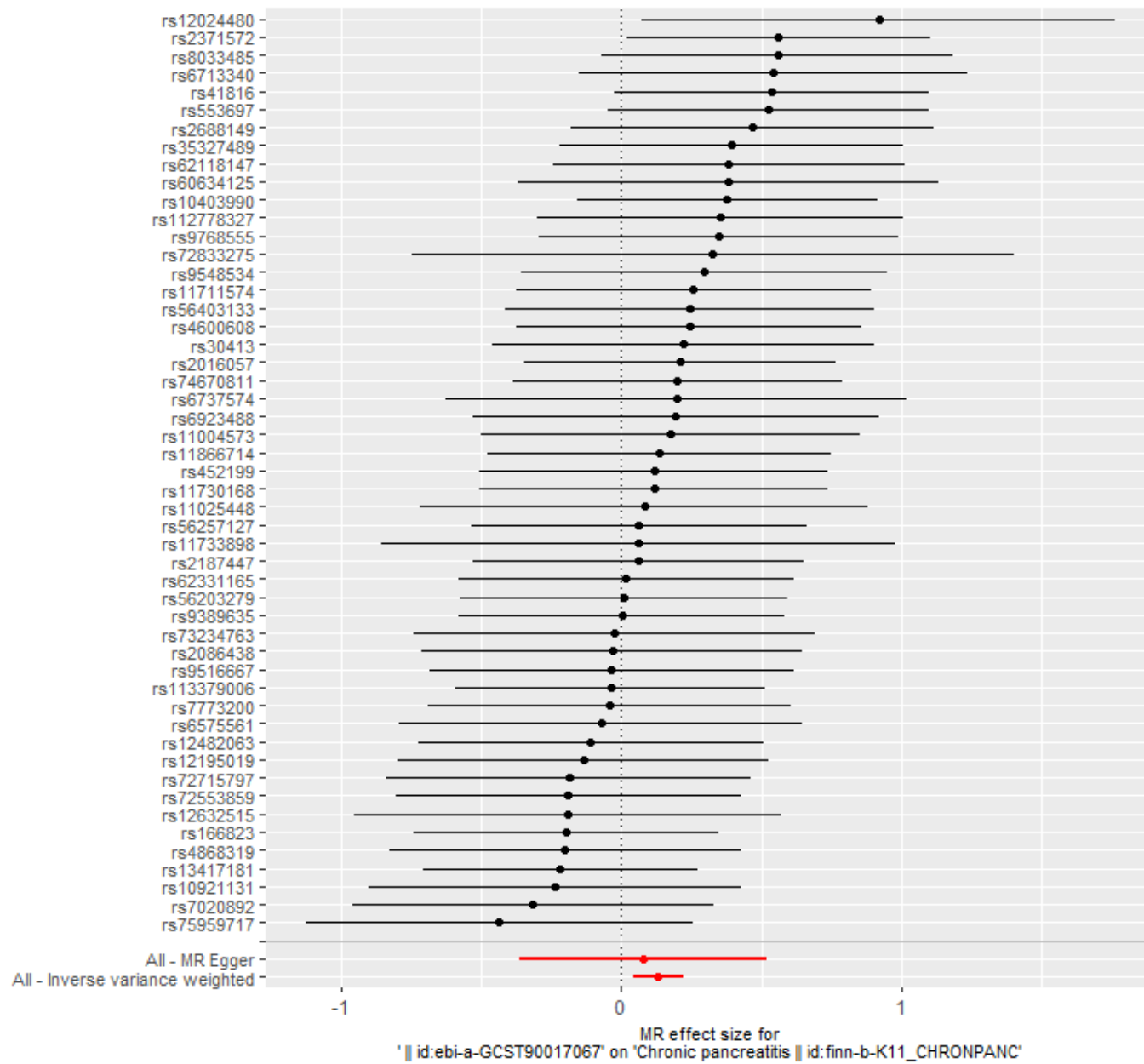
Figure 210 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Sellimonas* id.14369) on chronic pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

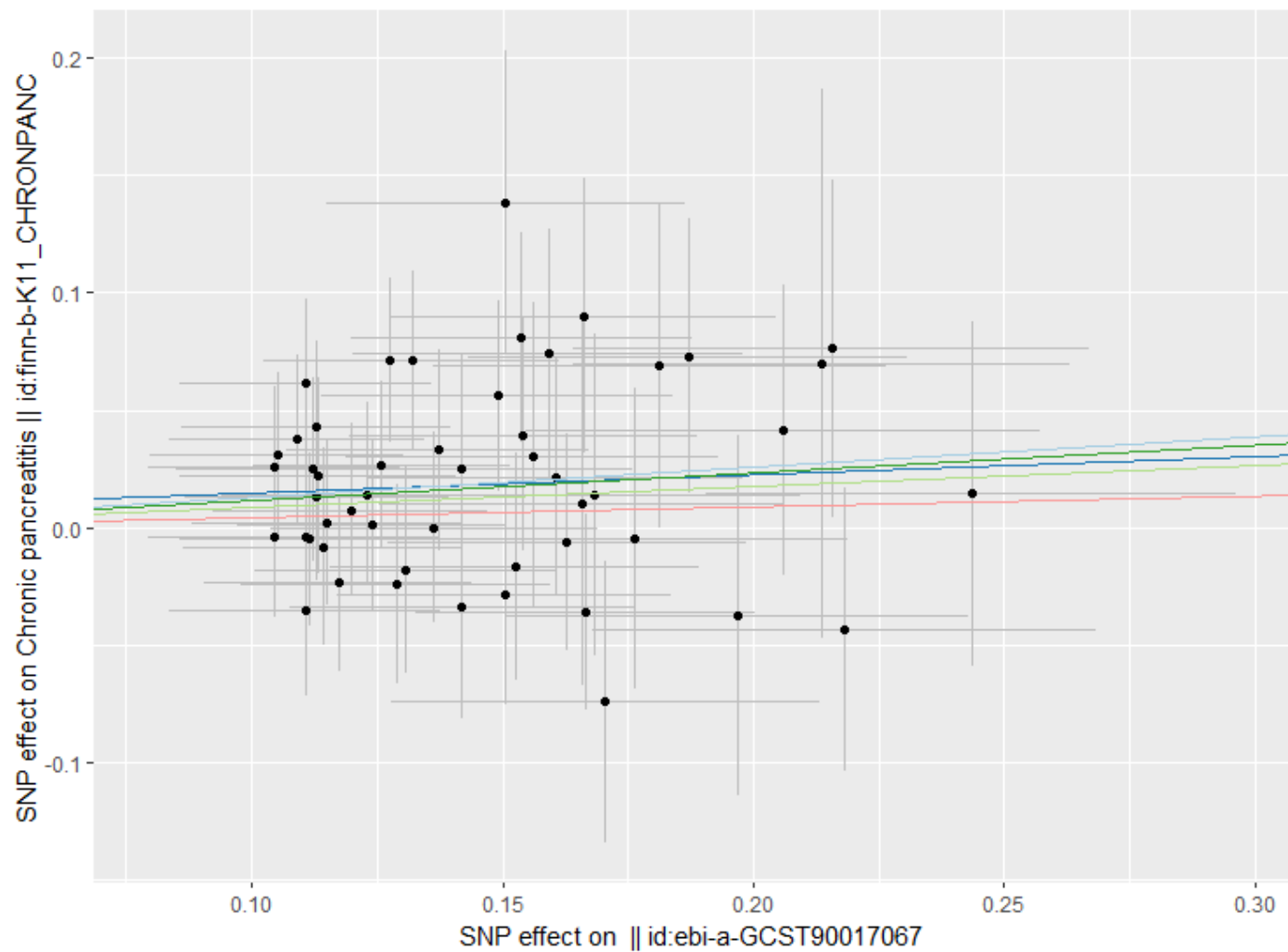
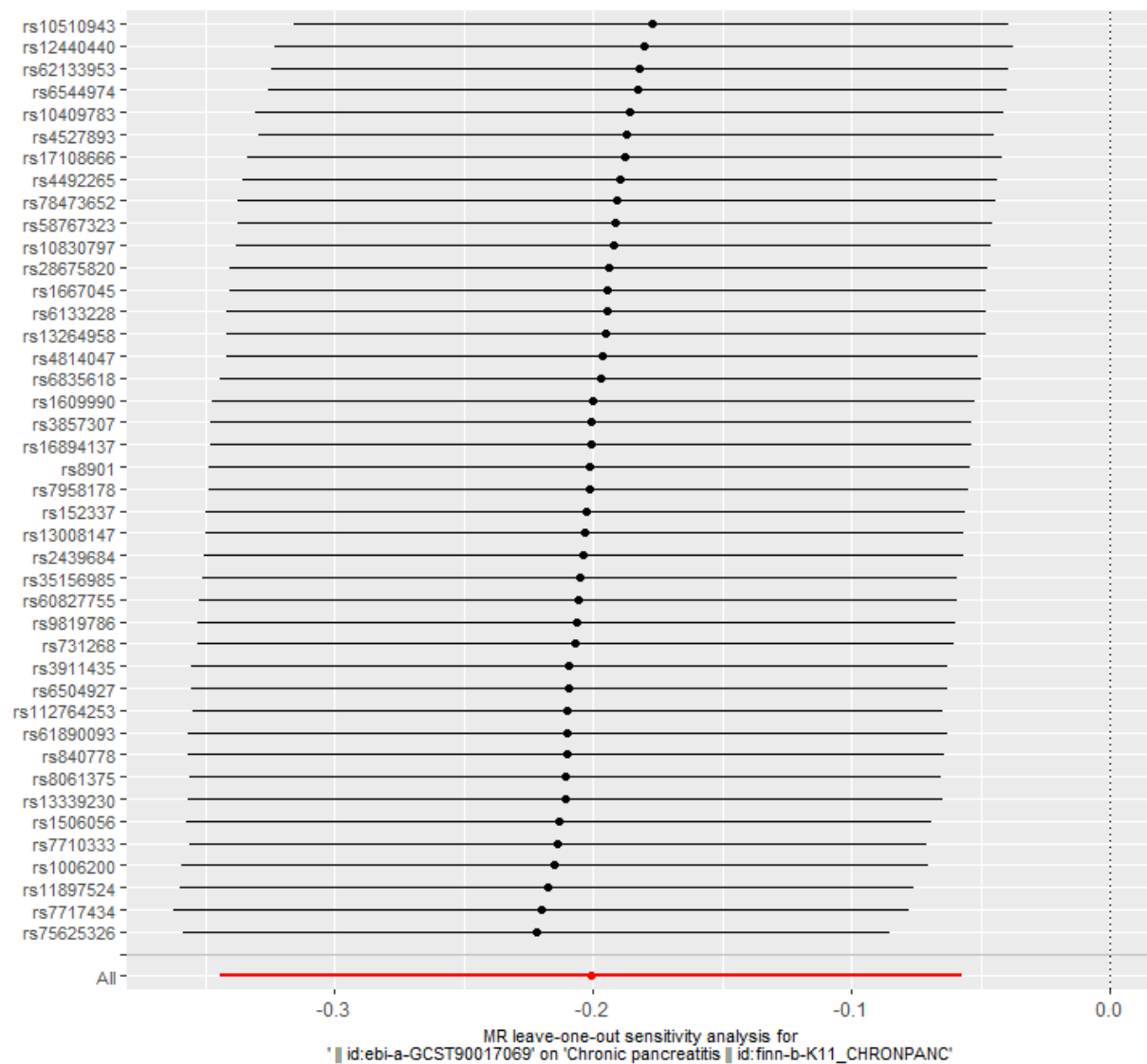
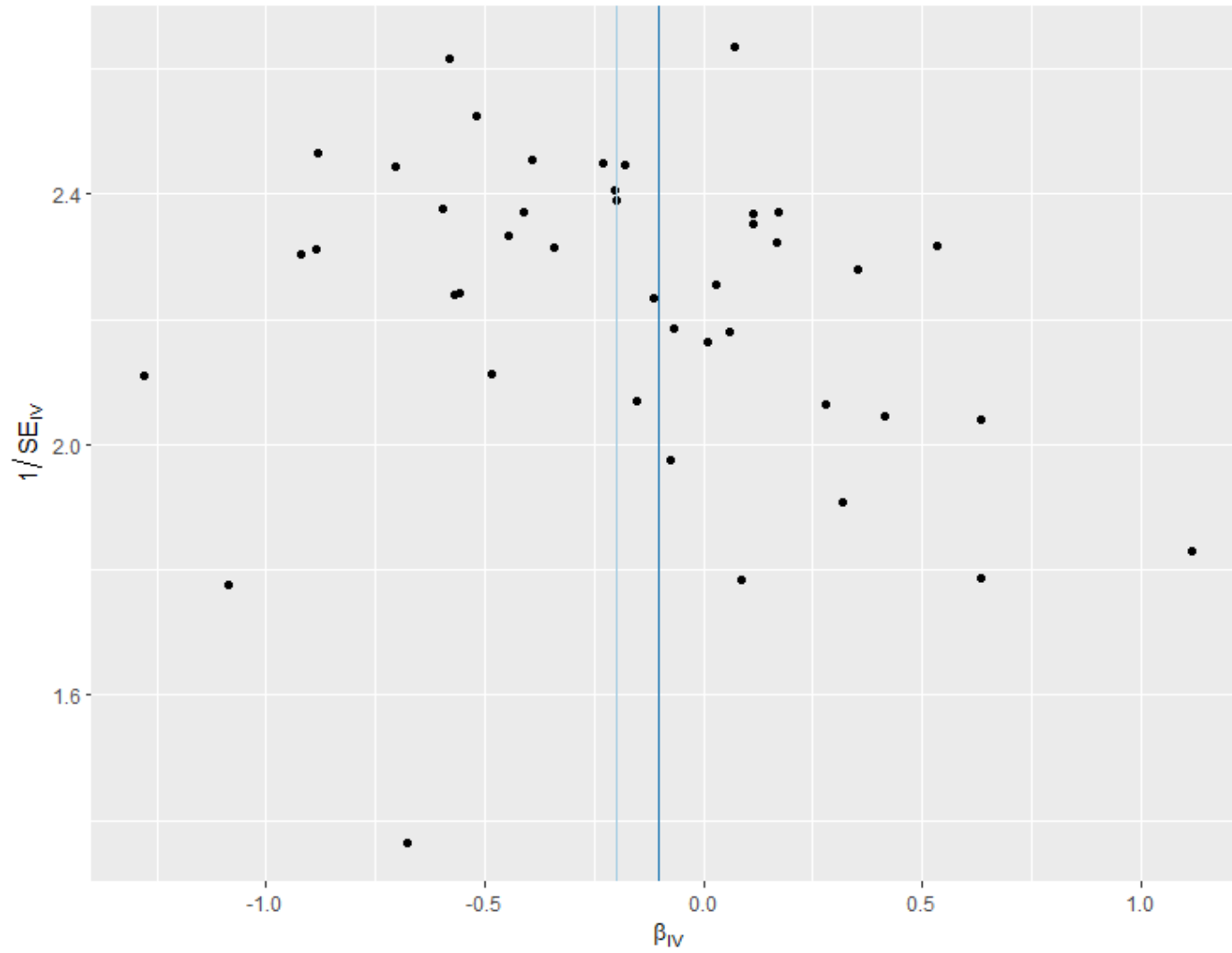


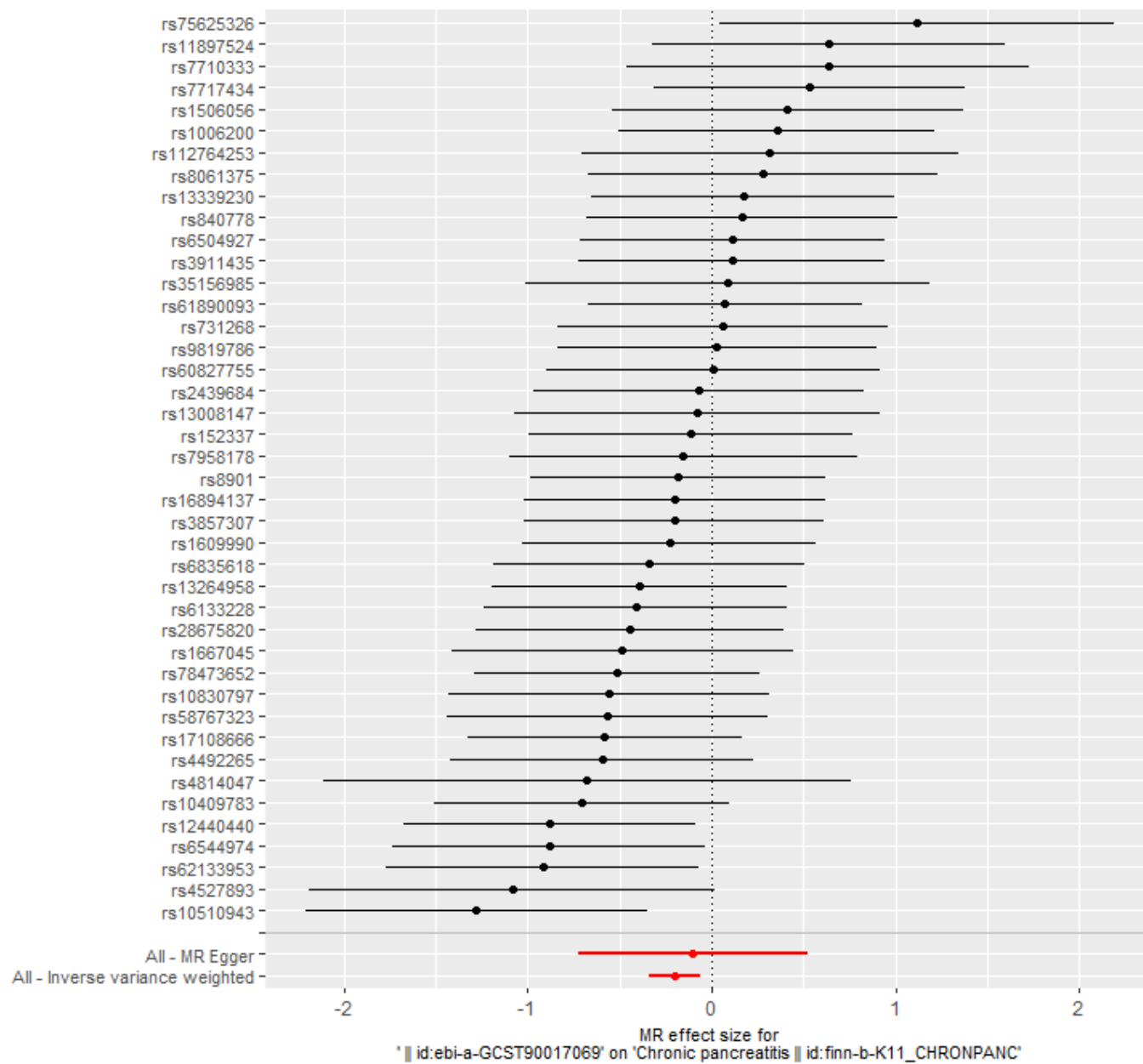
Figure 211 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus *Slackia* id.825) on chronic pancreatitis



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

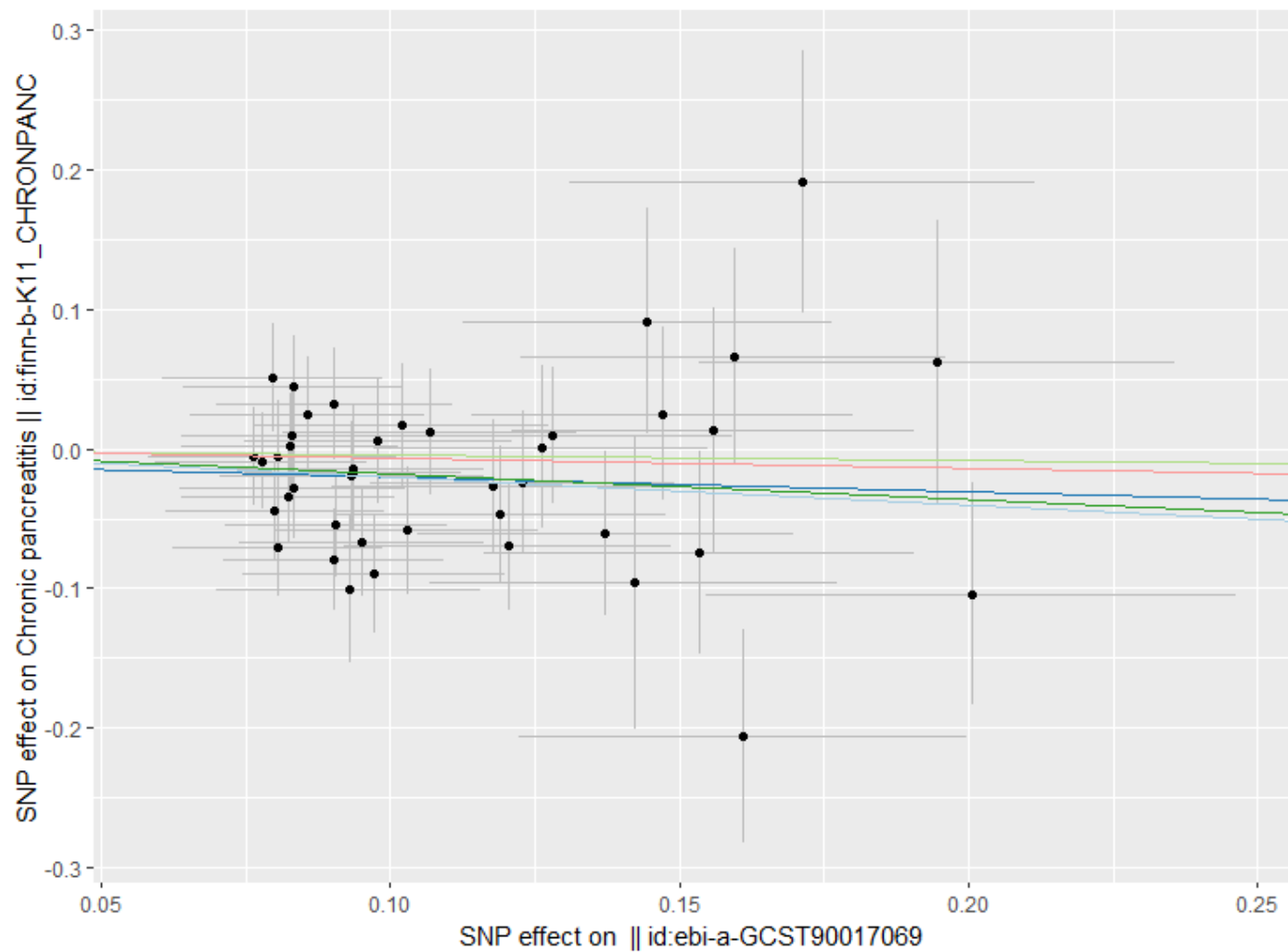
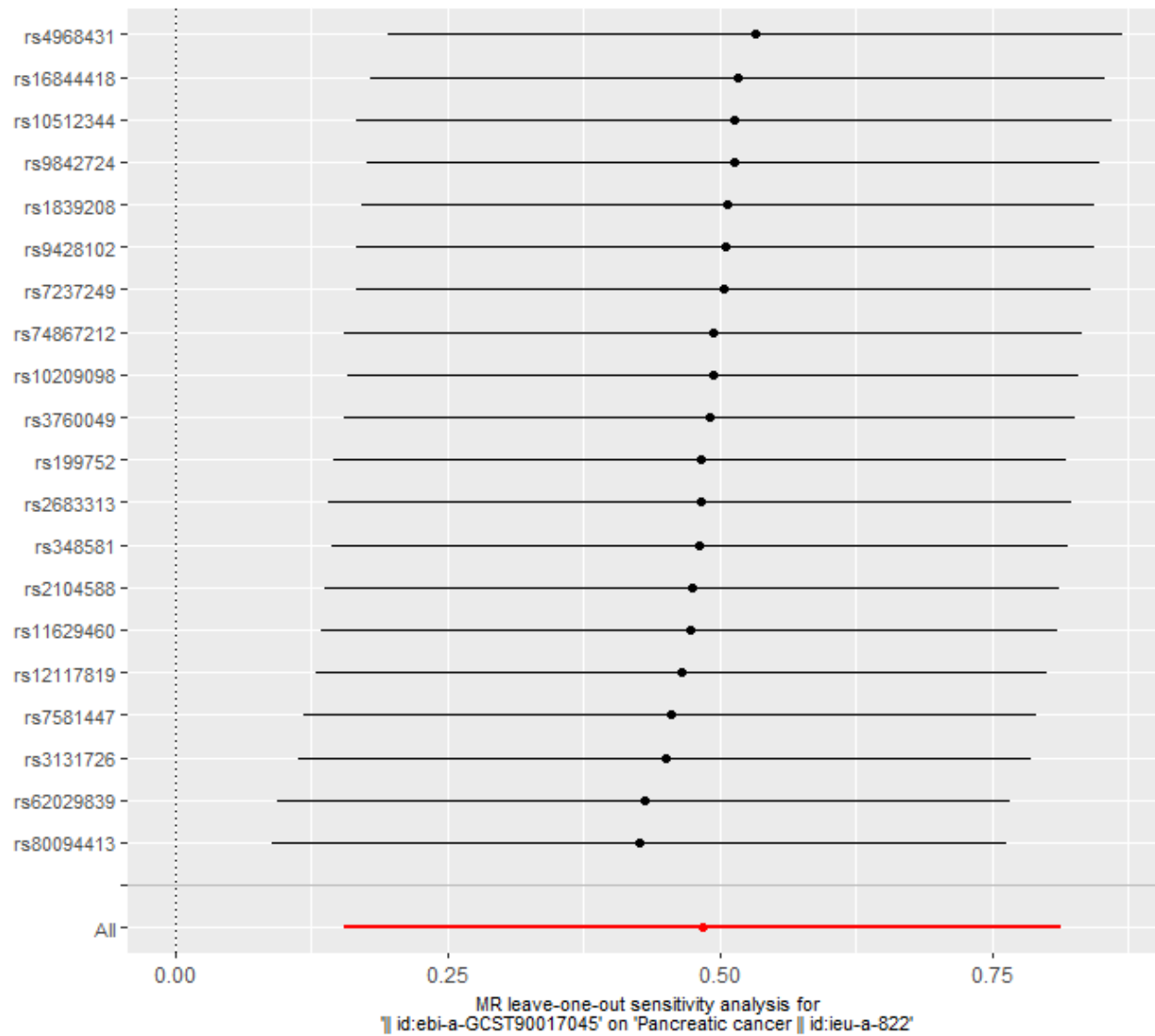
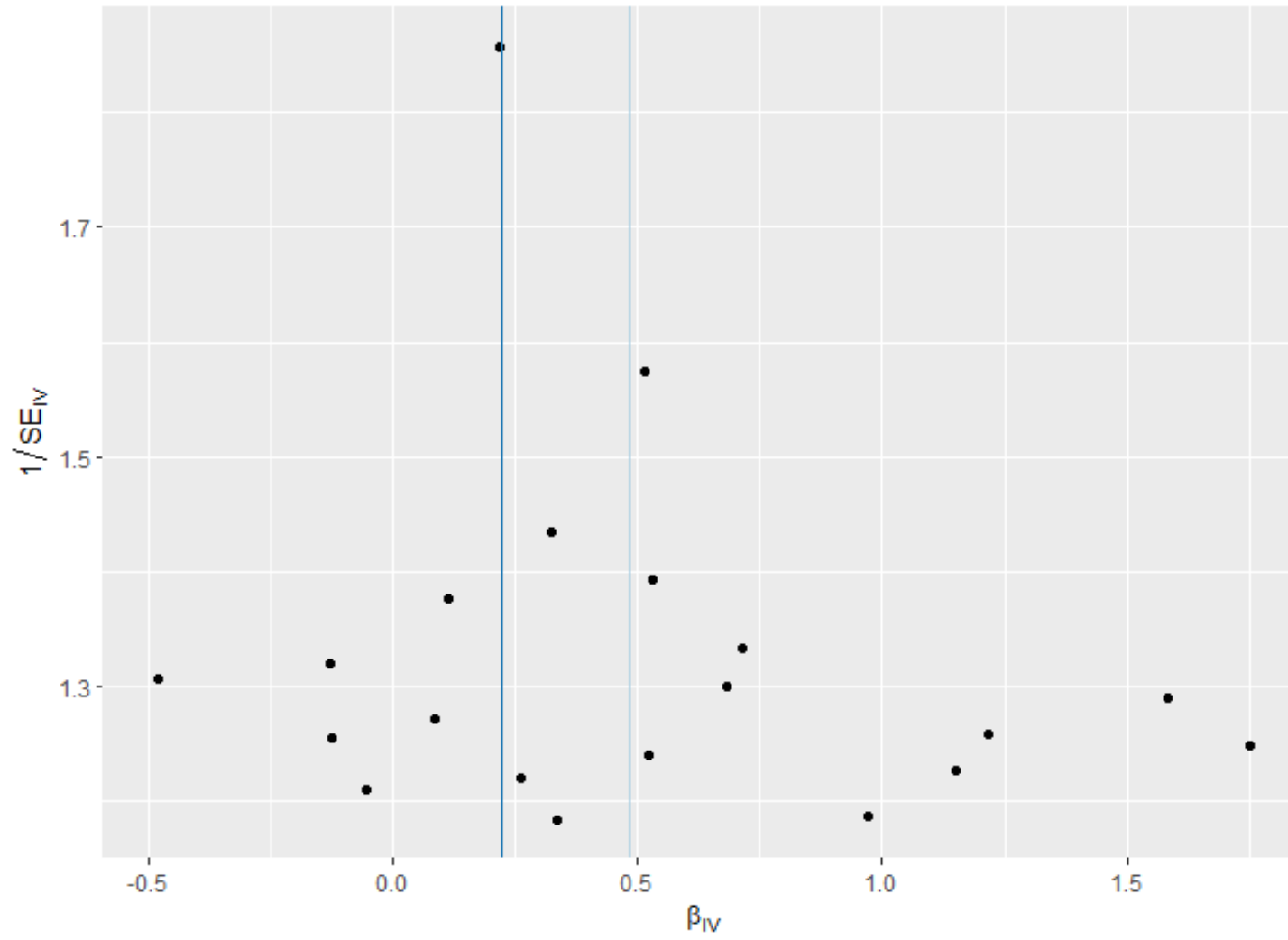


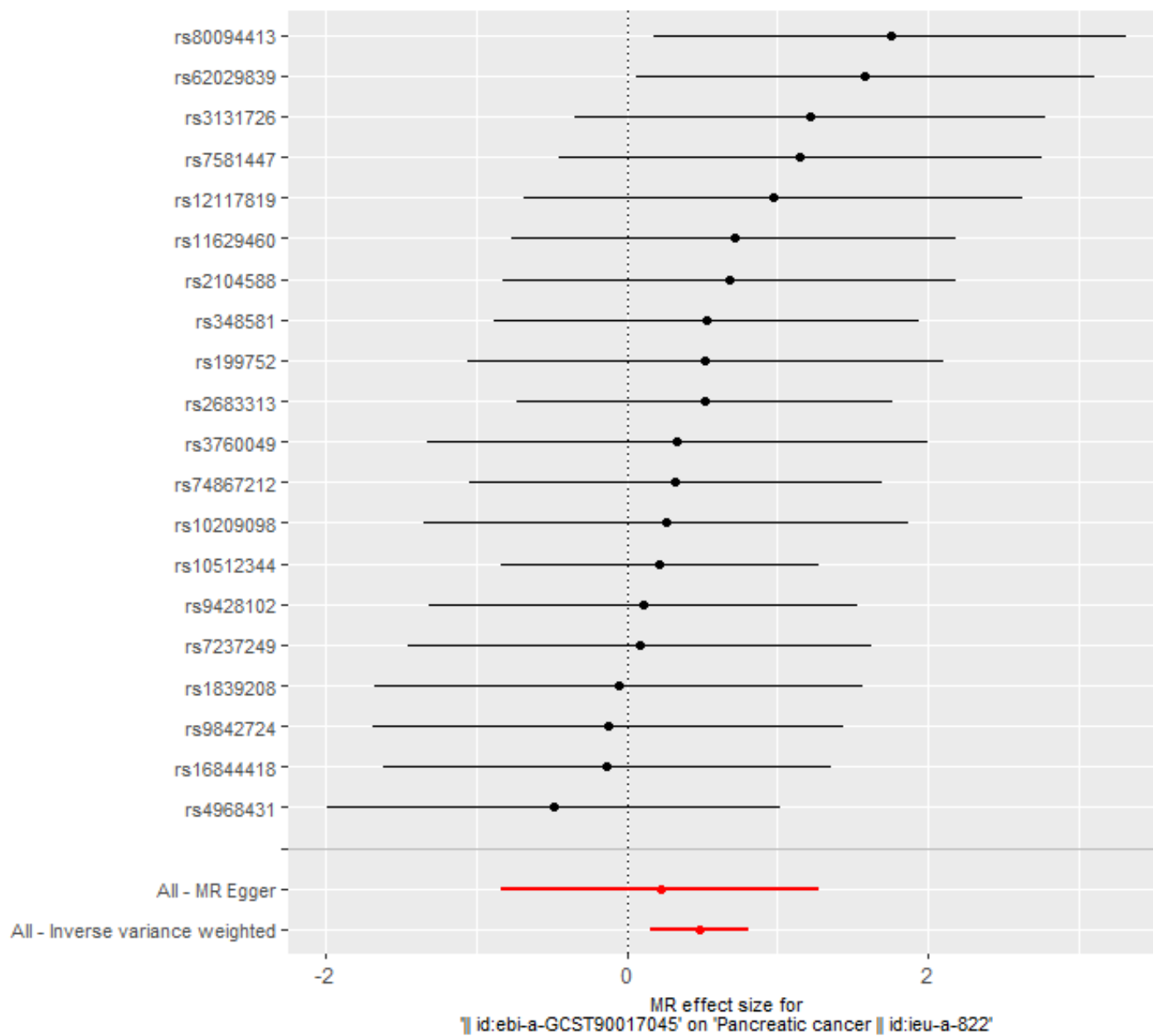
Figure 212 Leave-one-out analysis, funnel plot, MR effect size and scatter plot for gut microbiota abundance (genus Prevotella9 id.11183) on pancreatic cancer



MR Method

- Inverse variance weighted
- MR Egger





MR Test

- Inverse variance weighted
- MR Egger
- Simple mode
- Weighted median
- Weighted mode

