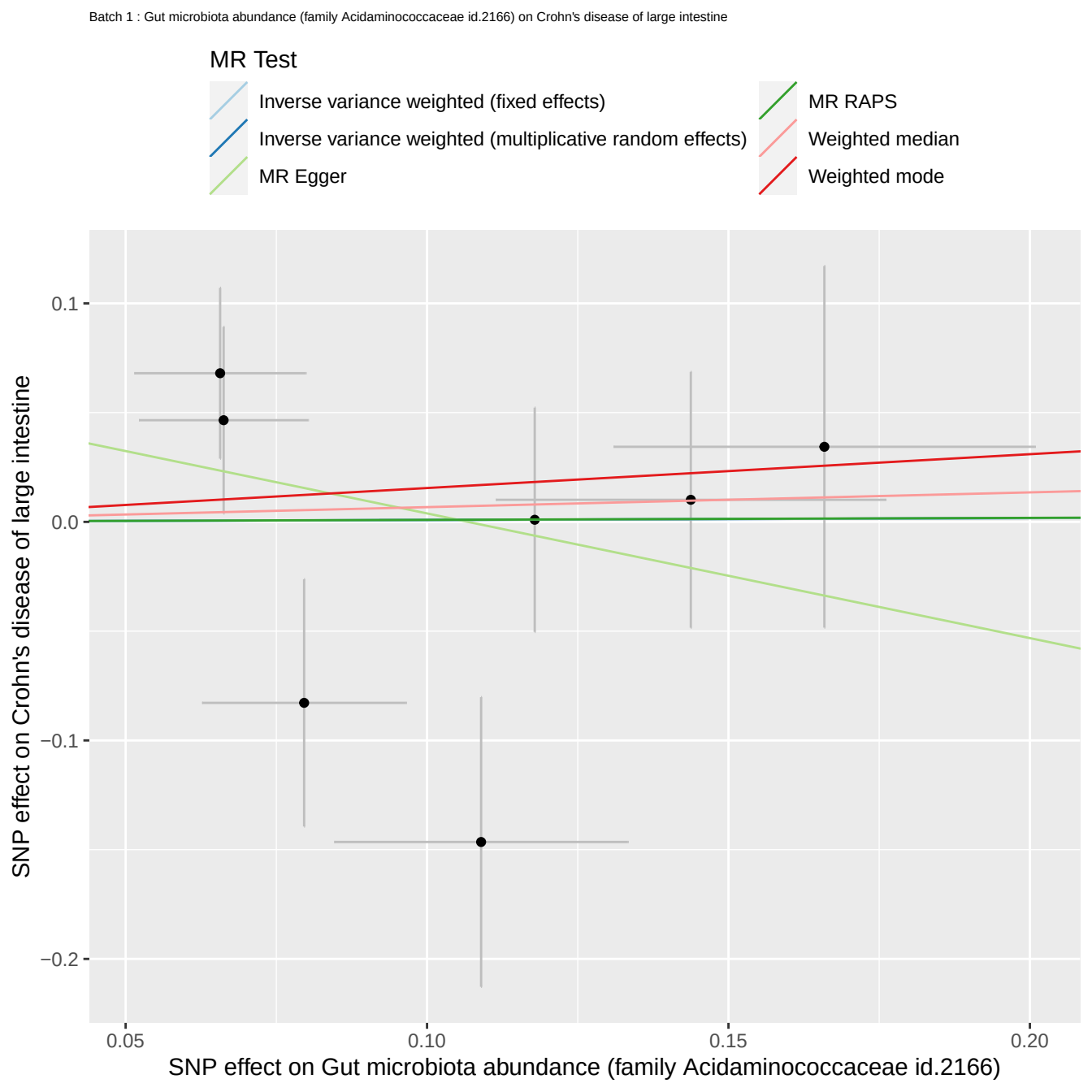
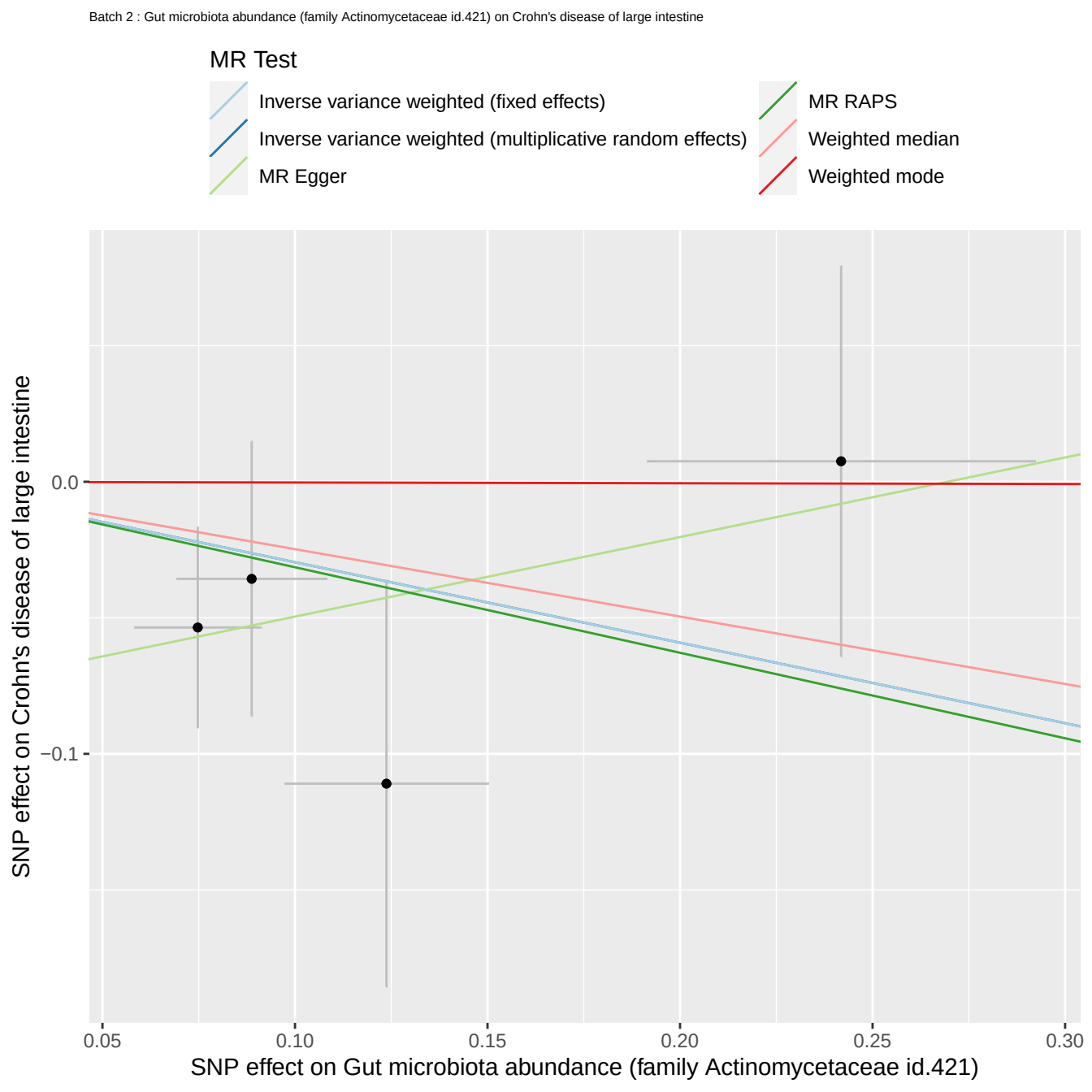
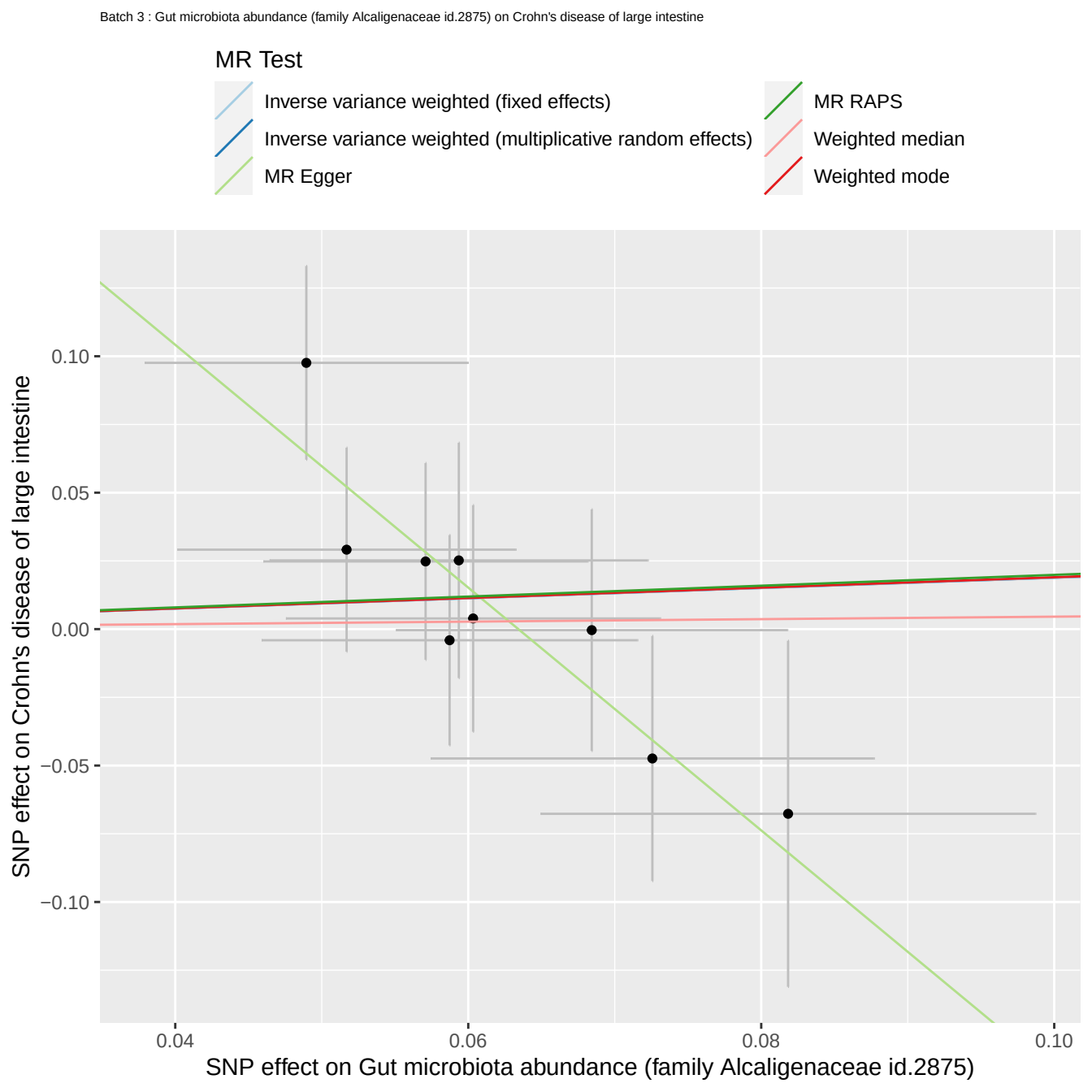
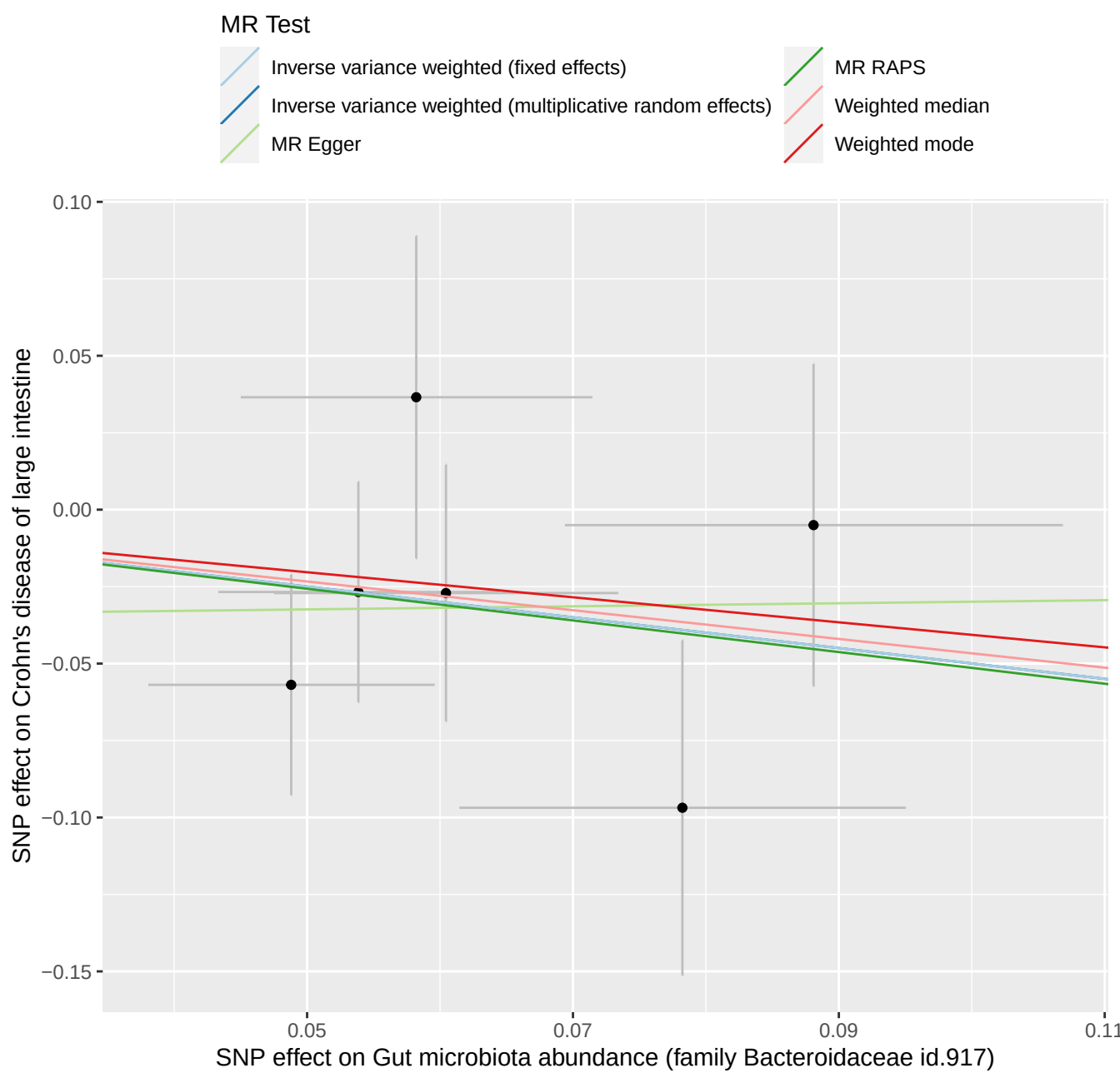

Batch 1 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

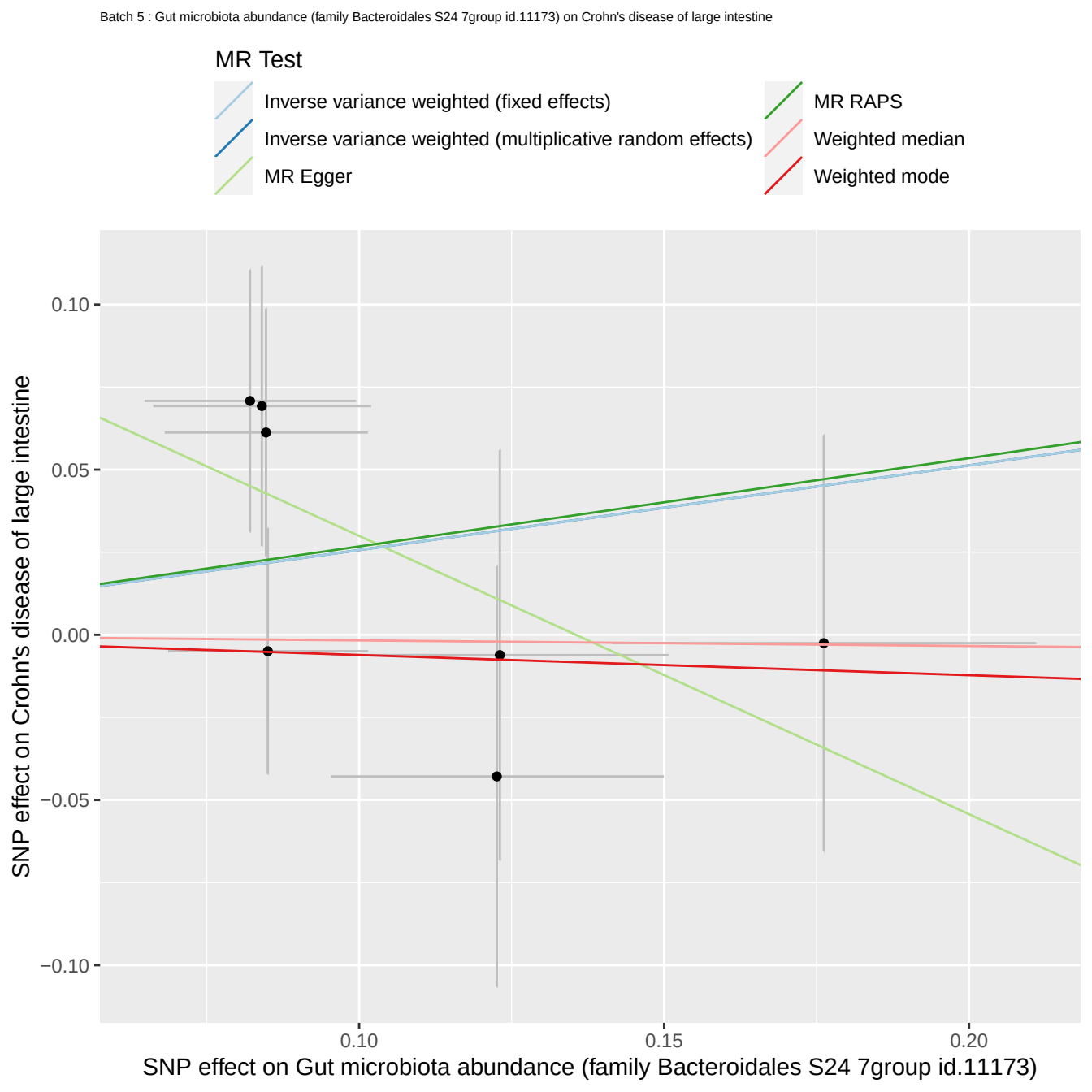

Batch 2 : Gut microbiota abundance (family Actinomycetaceae id.421) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

Batch 3 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Crohn's disease of large intestine

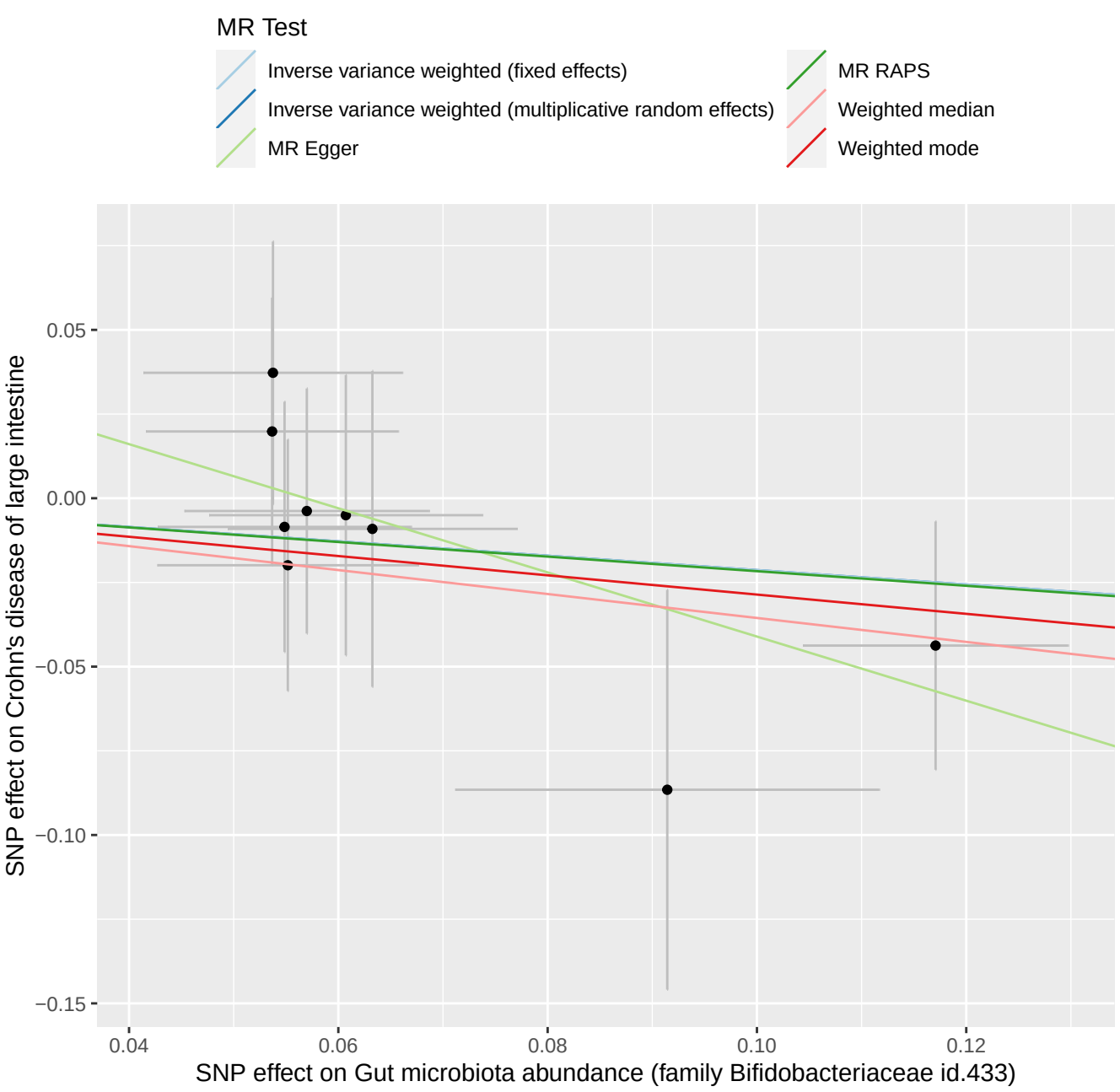


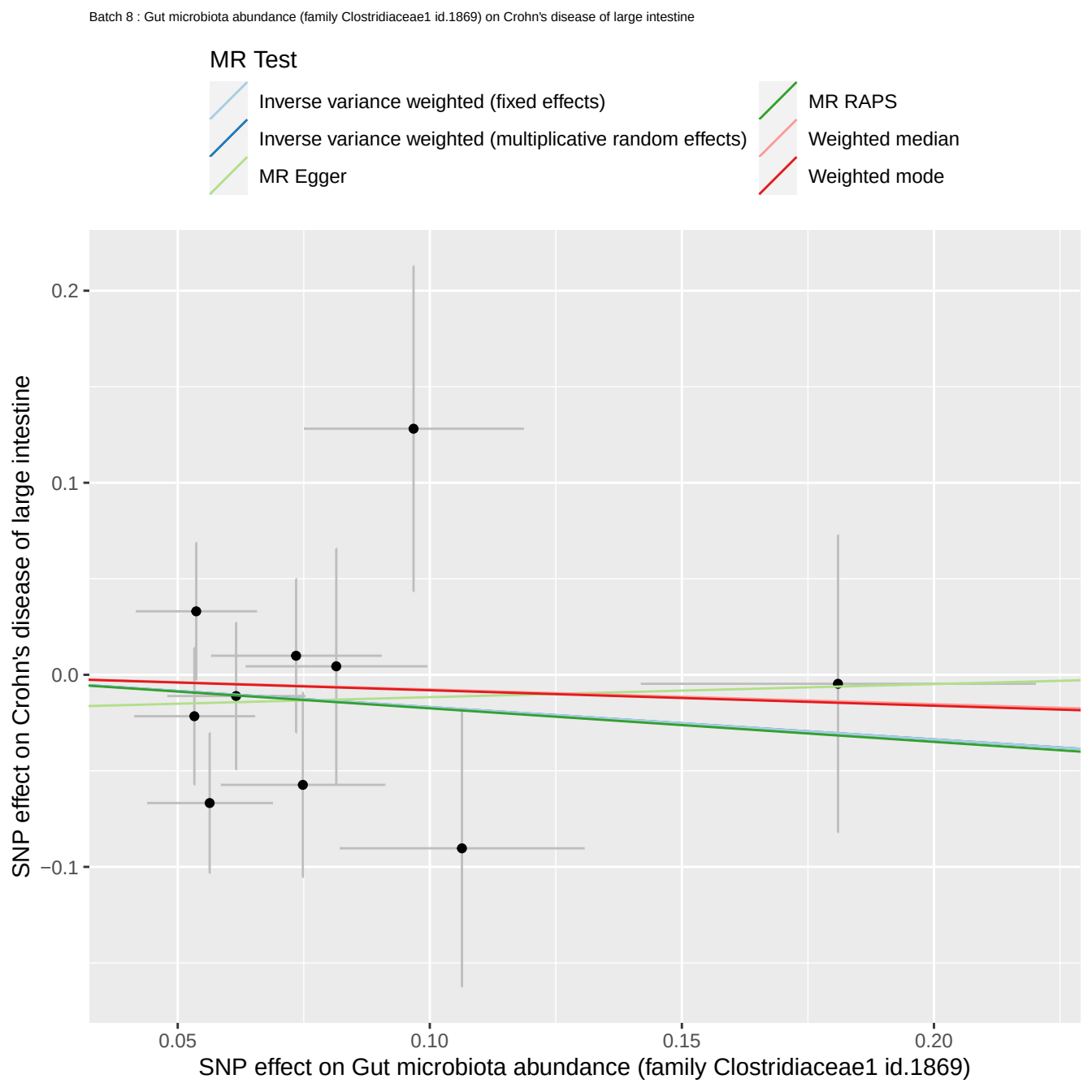
Batch 4 : Gut microbiota abundance (family Bacteroidaceae id.917) on Crohn's disease of large intestine



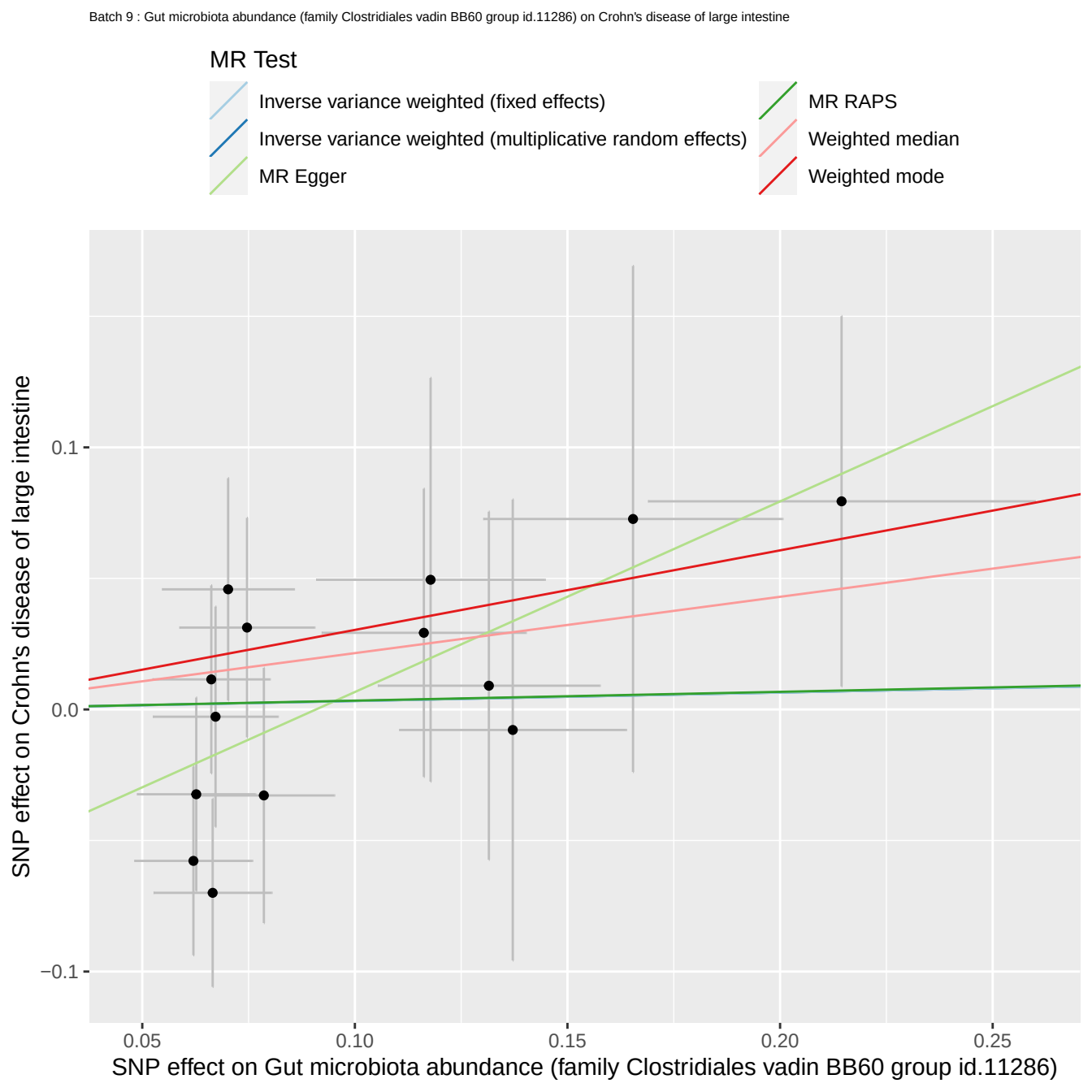

Batch 5 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

Batch 6 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Crohn's disease of large intestine

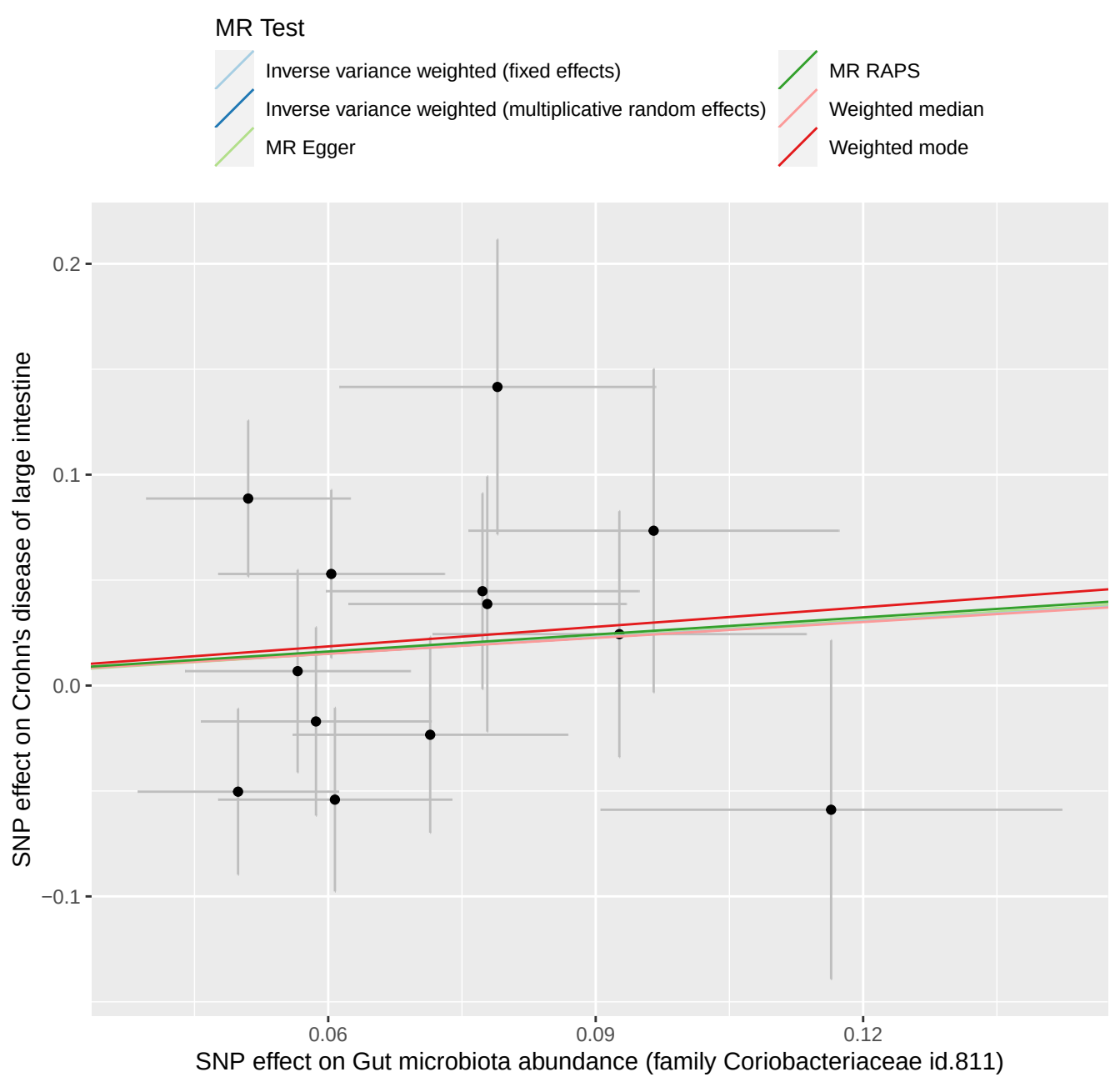



Batch 8 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

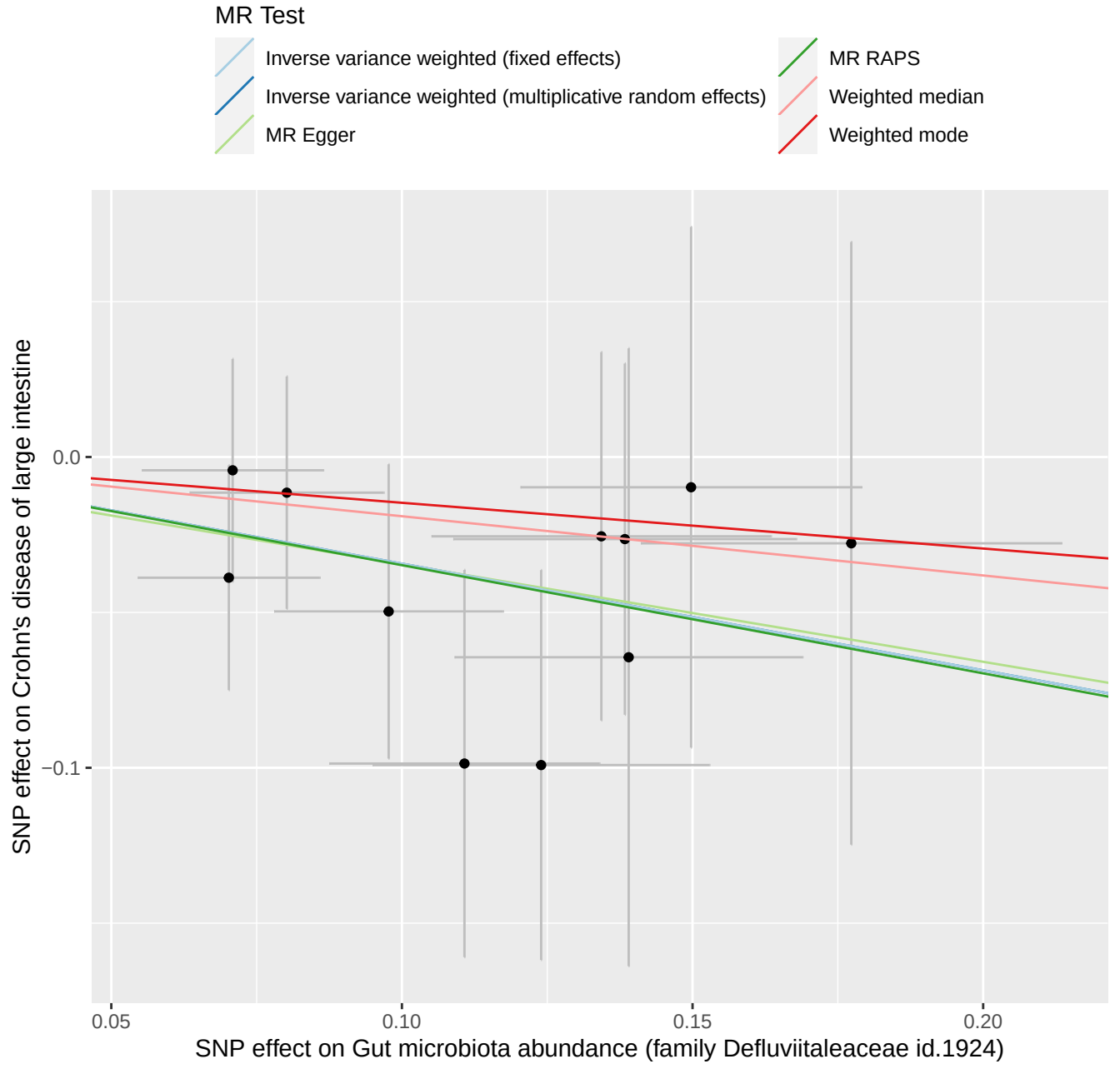
Batch 9 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Crohn's disease of large intestine



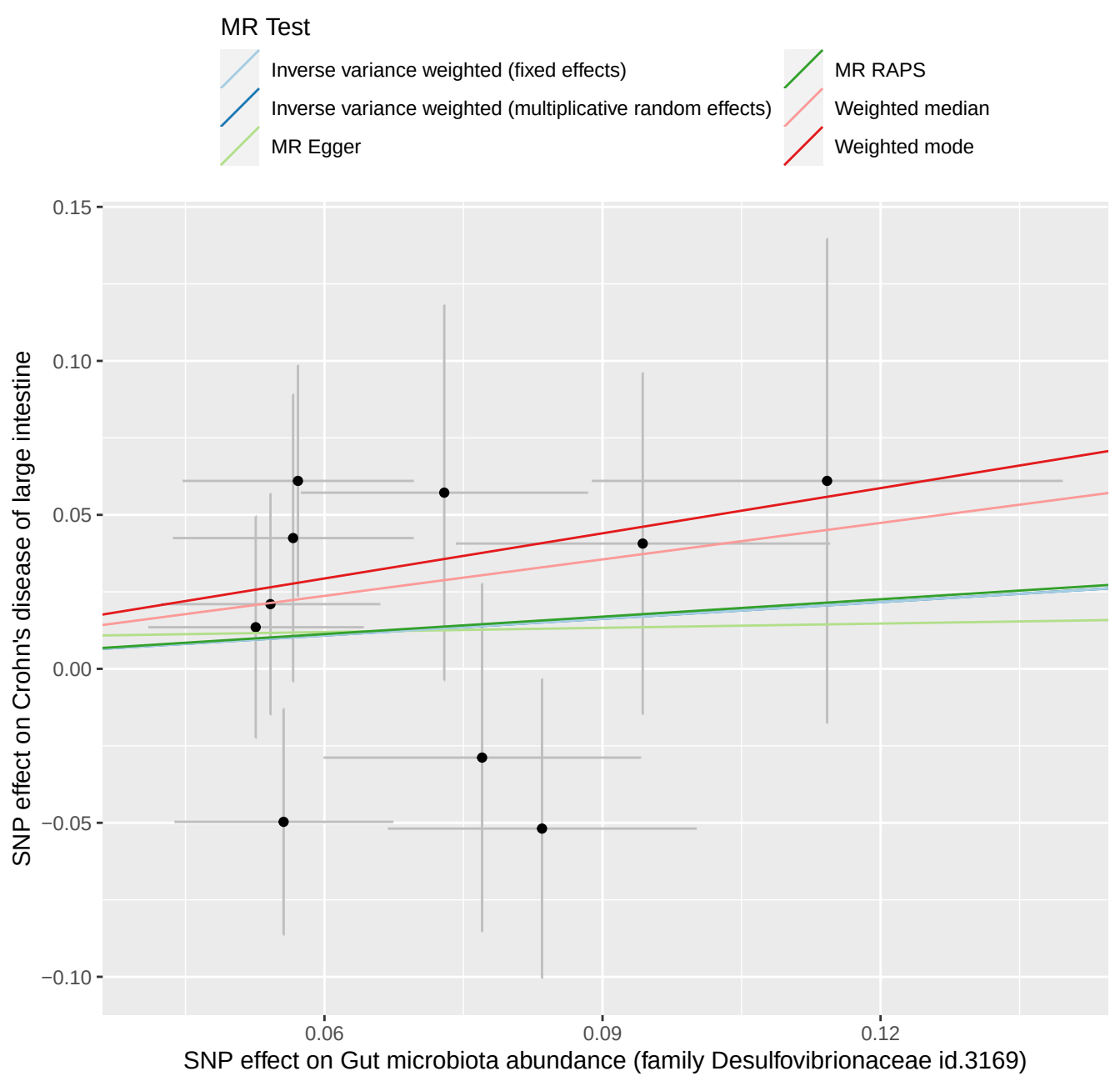
Batch 10 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Crohn's disease of large intestine



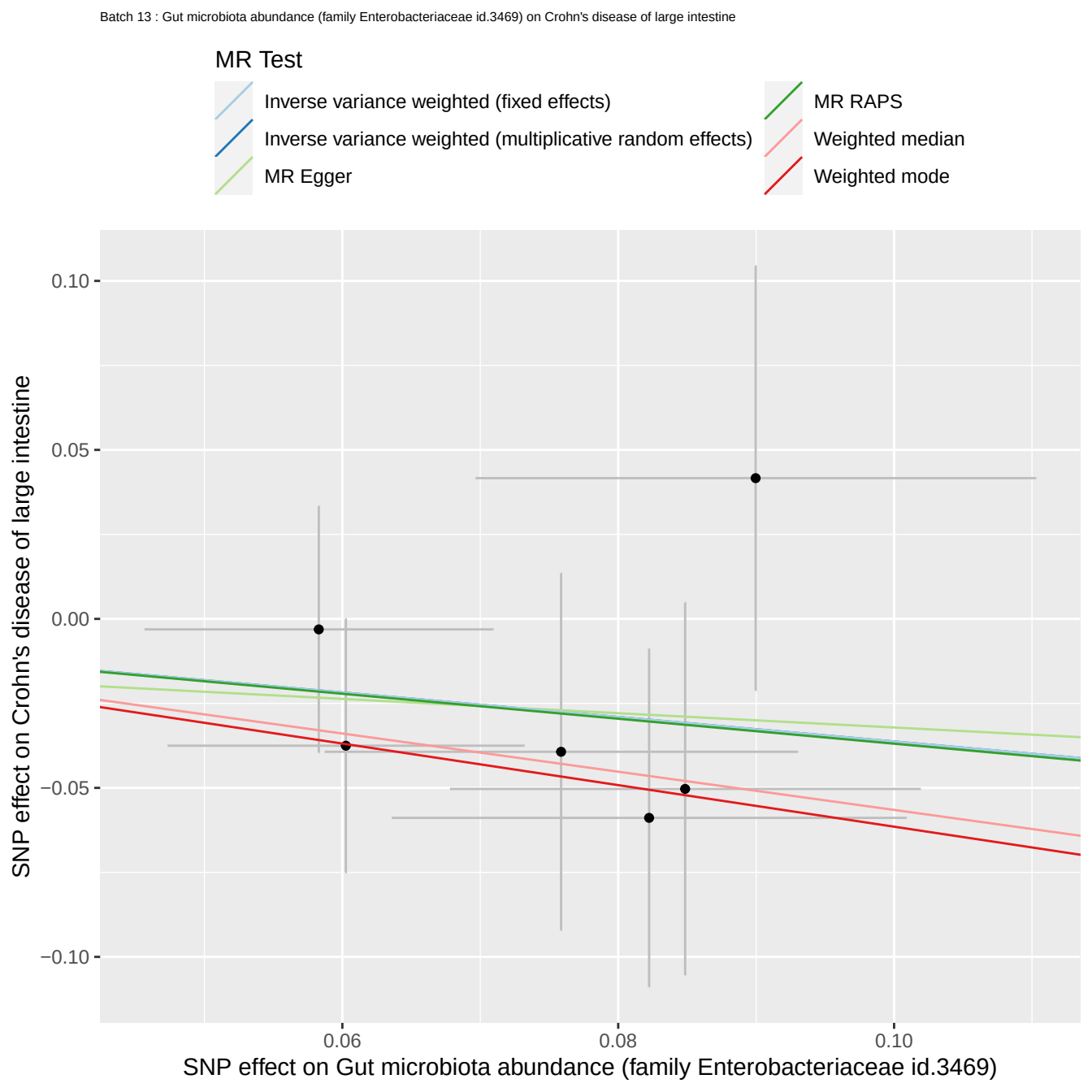
Batch 11 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Crohn's disease of large intestine



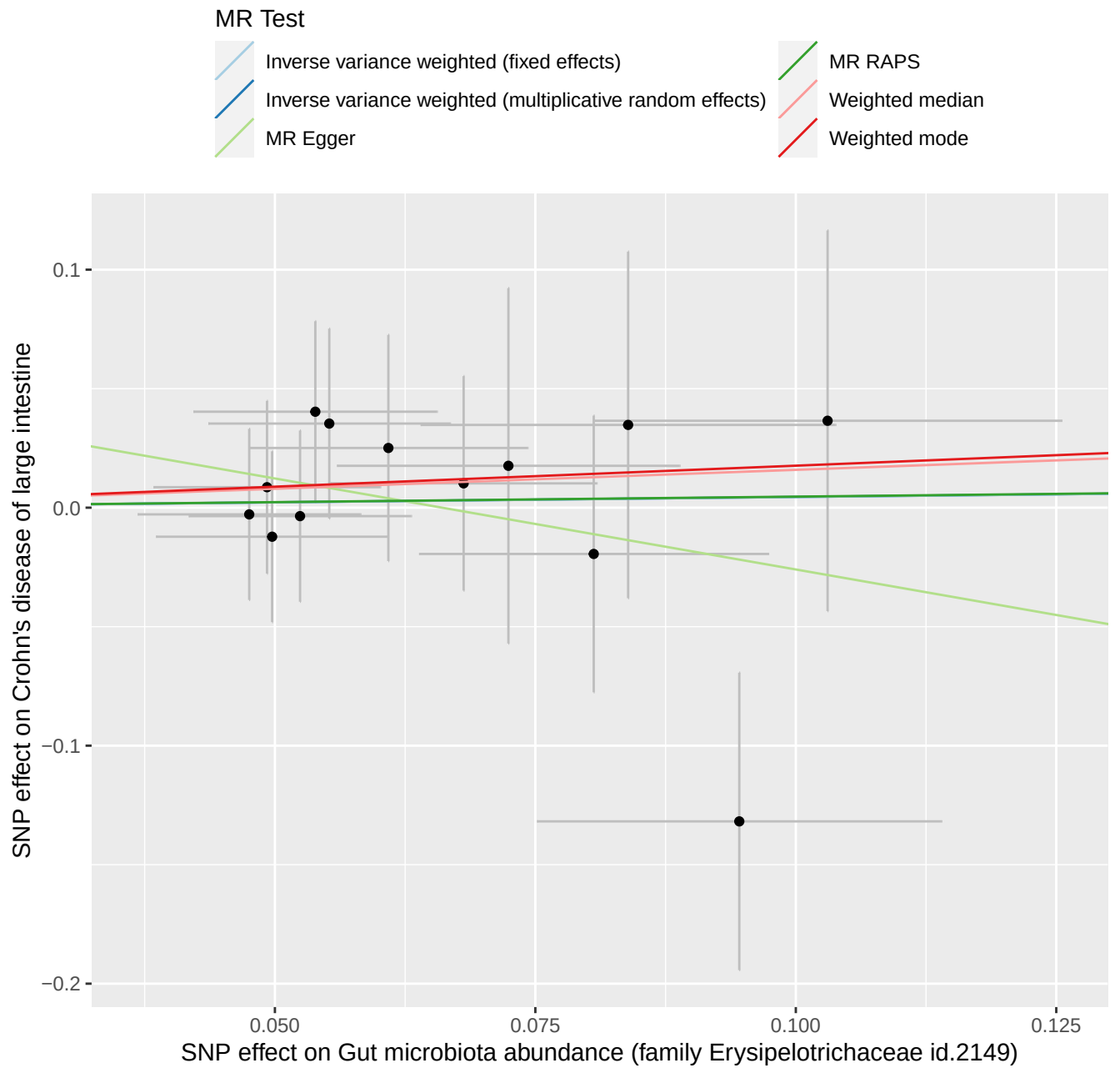
Batch 12 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Crohn's disease of large intestine



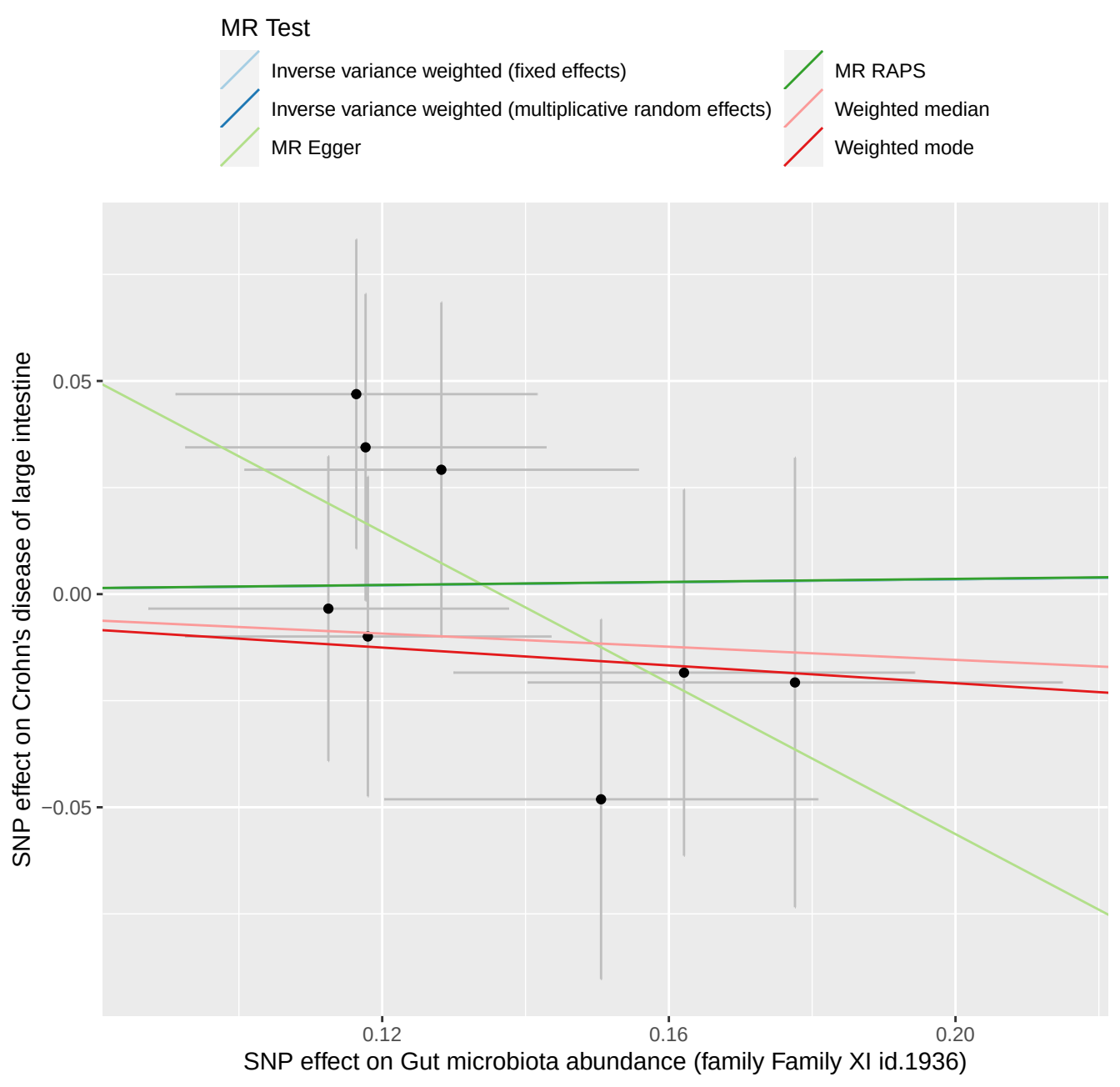
Batch 13 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Crohn's disease of large intestine

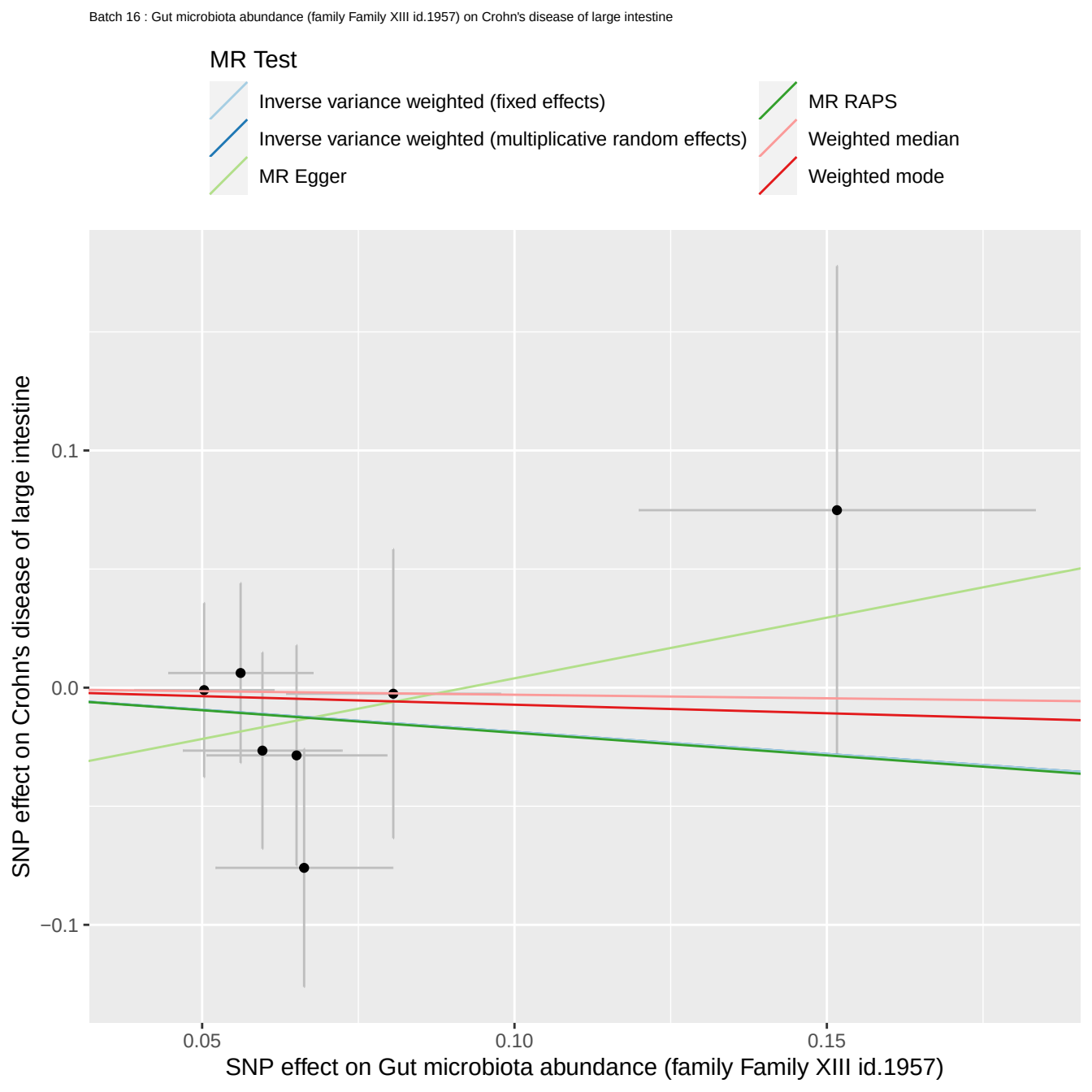


Batch 14 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Crohn's disease of large intestine

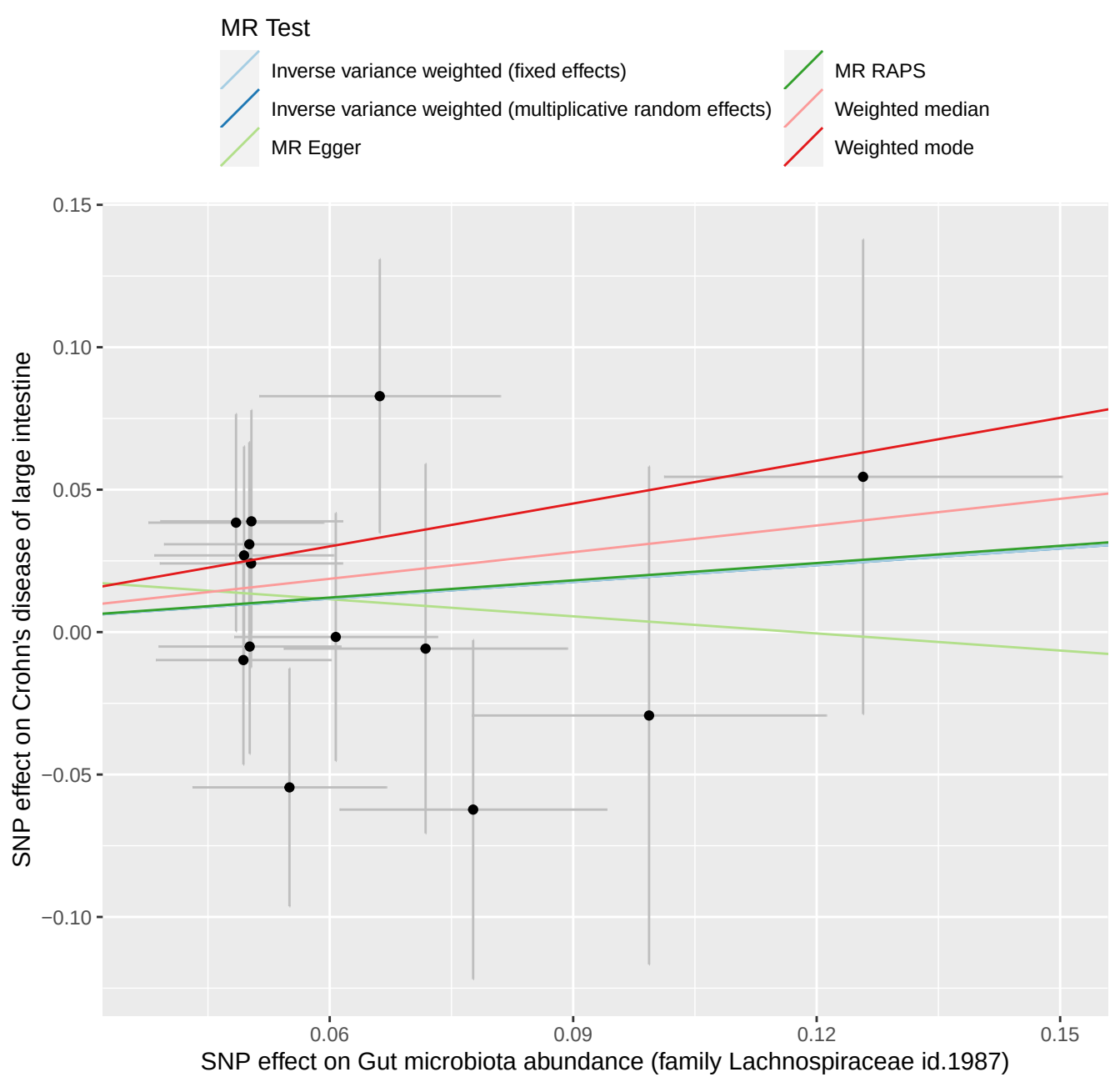


Batch 15 : Gut microbiota abundance (family Family XI id.1936) on Crohn's disease of large intestine

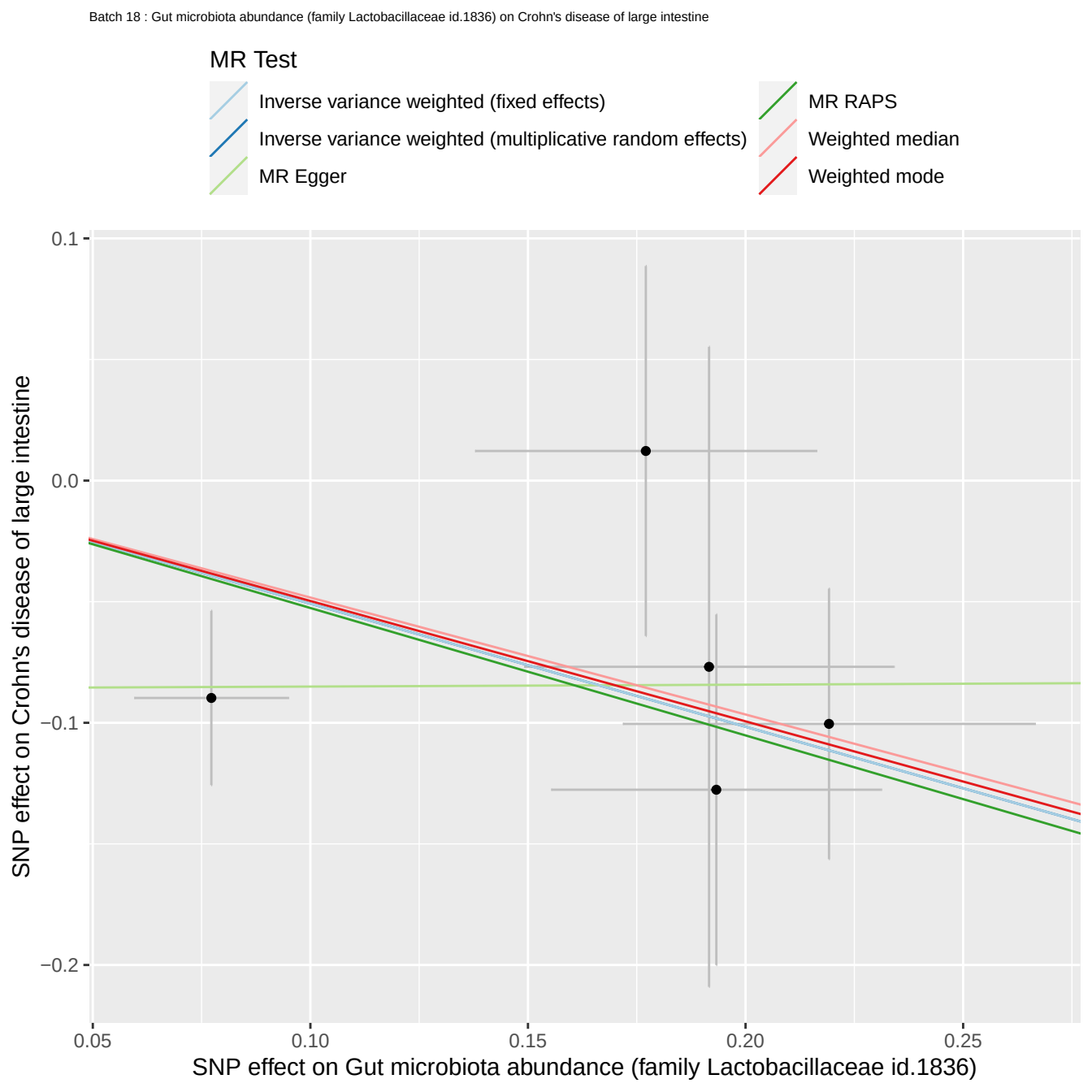



Batch 16 : Gut microbiota abundance (family Family XIII id.1957) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Family XIII id.1957)

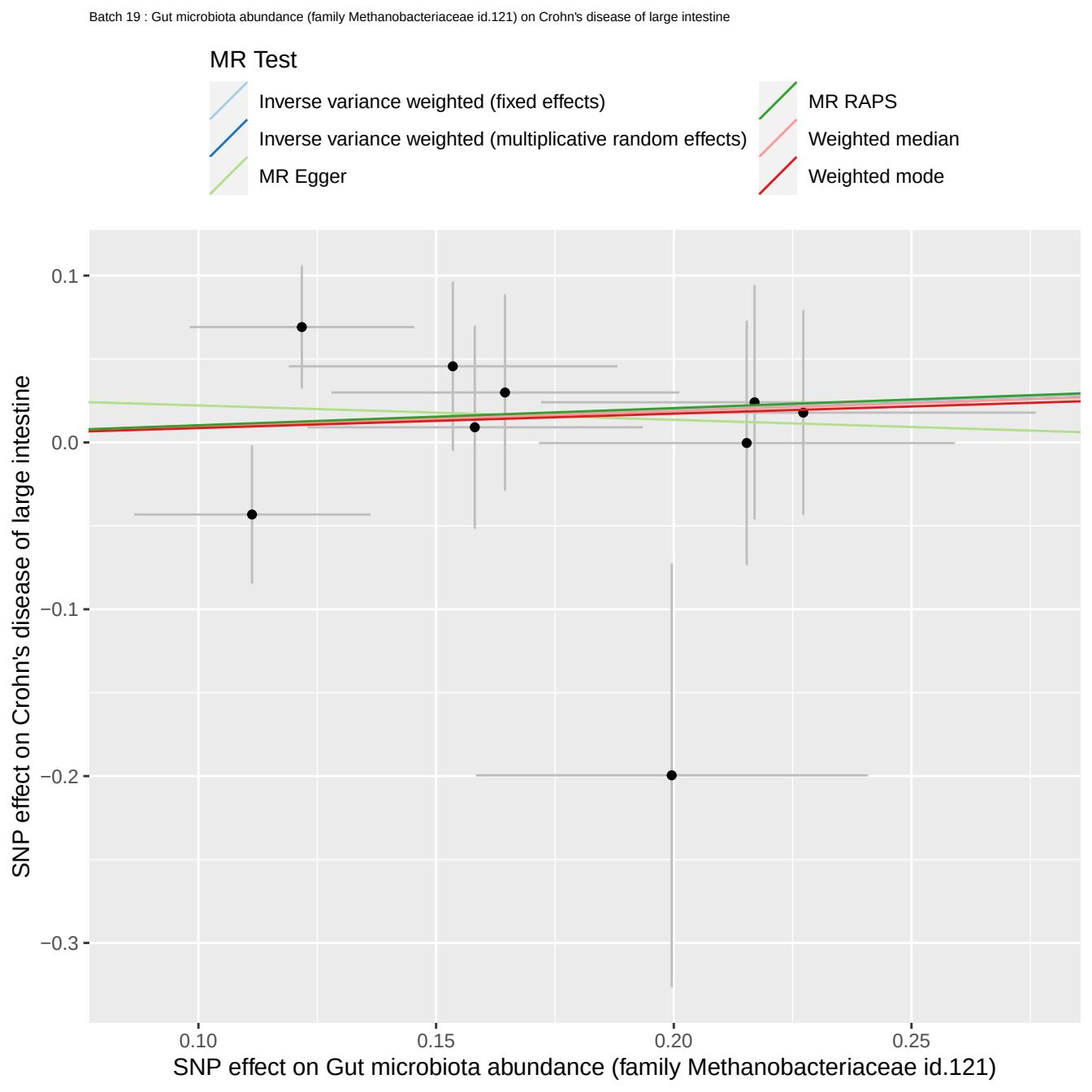
Batch 17 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Crohn's disease of large intestine



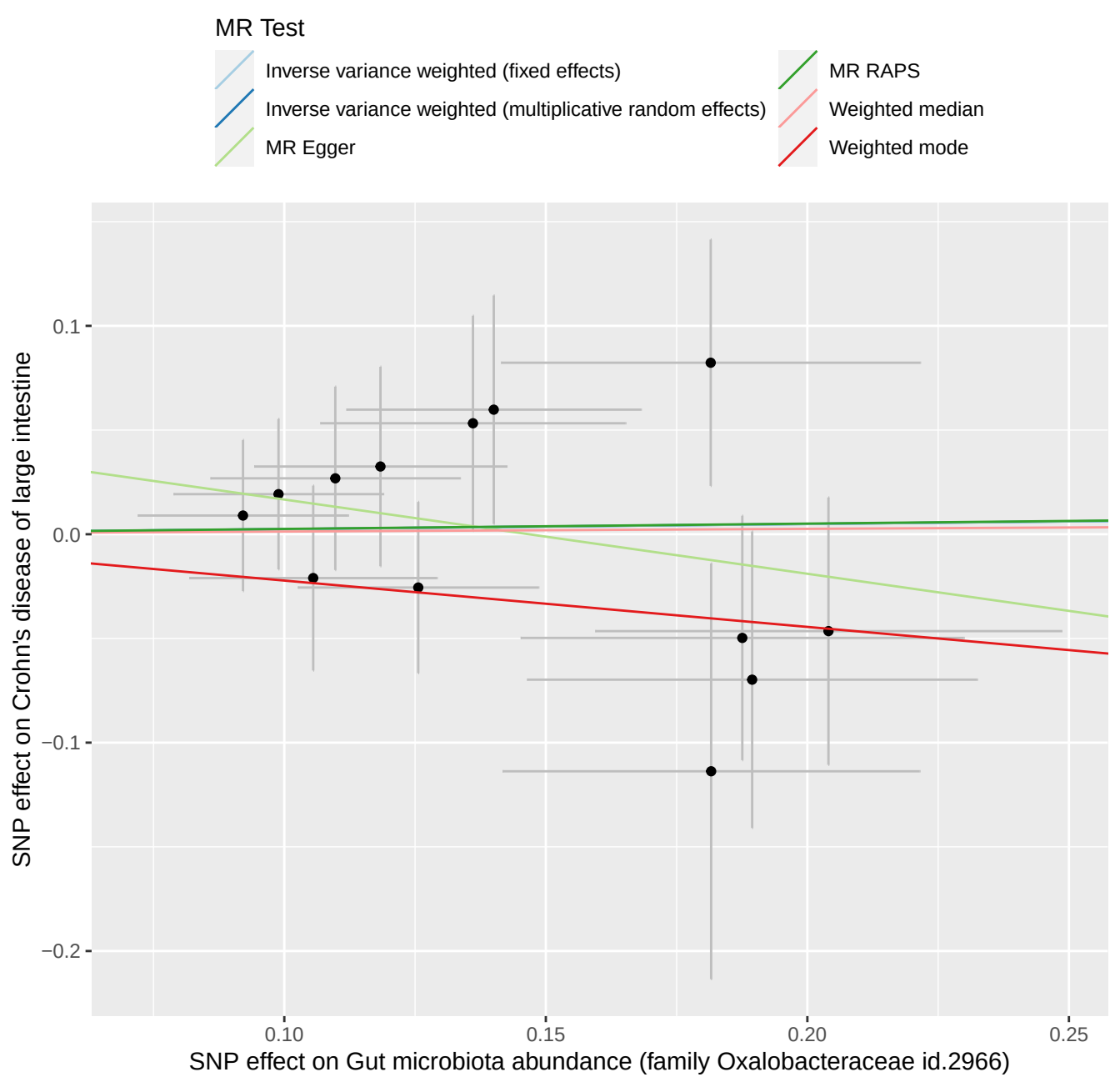
Batch 18 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Crohn's disease of large intestine



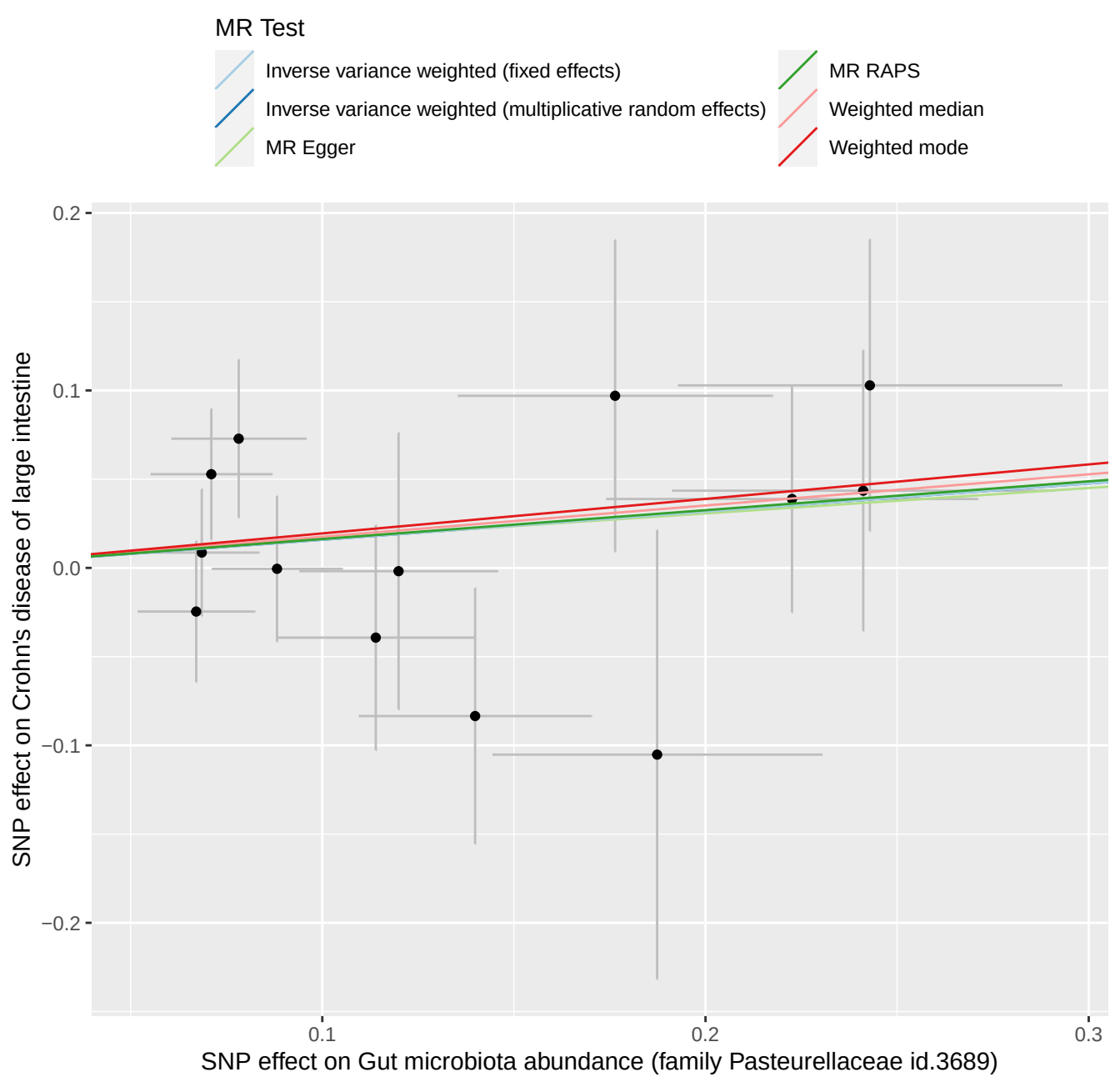
Batch 19 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Crohn's disease of large intestine



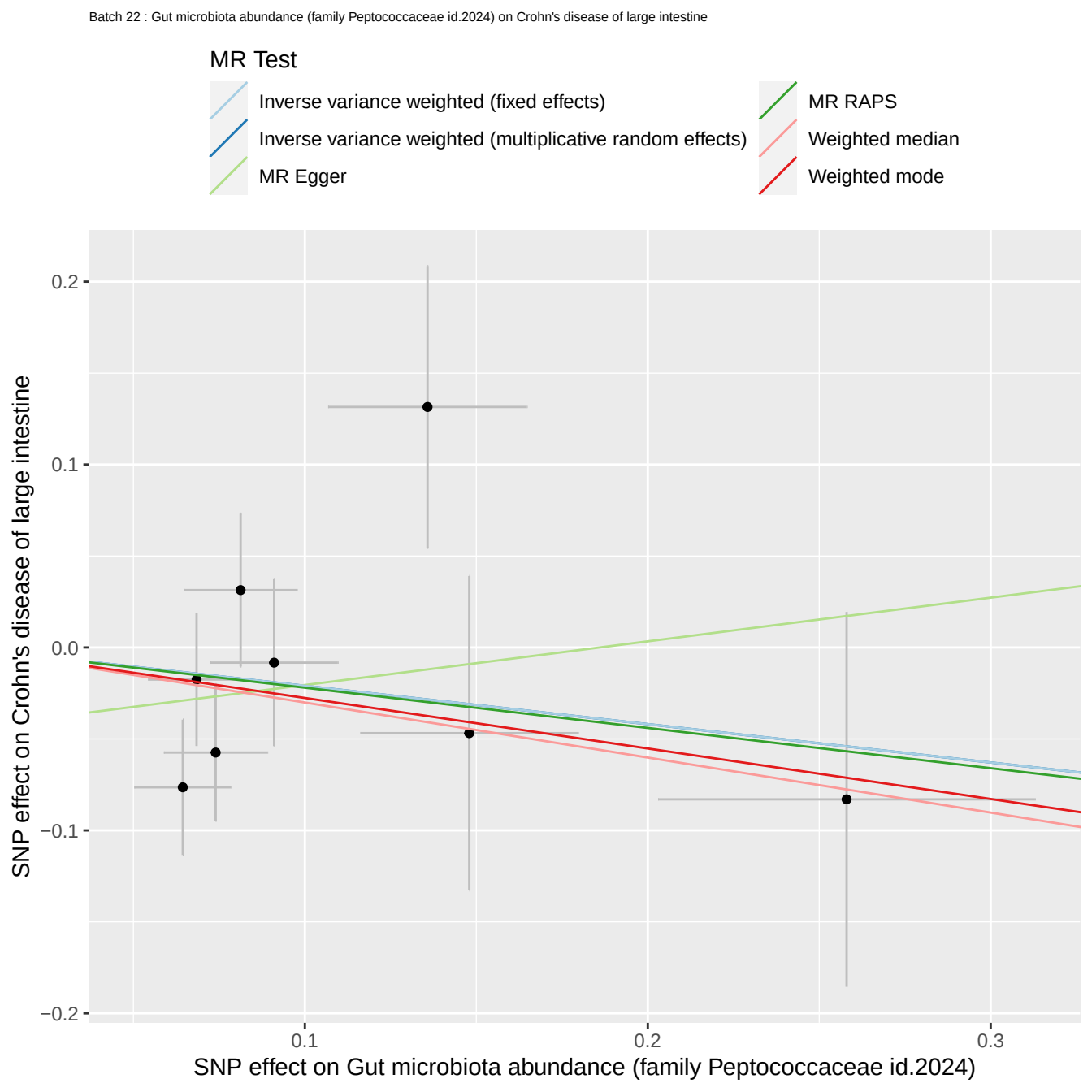
Batch 20 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Crohn's disease of large intestine

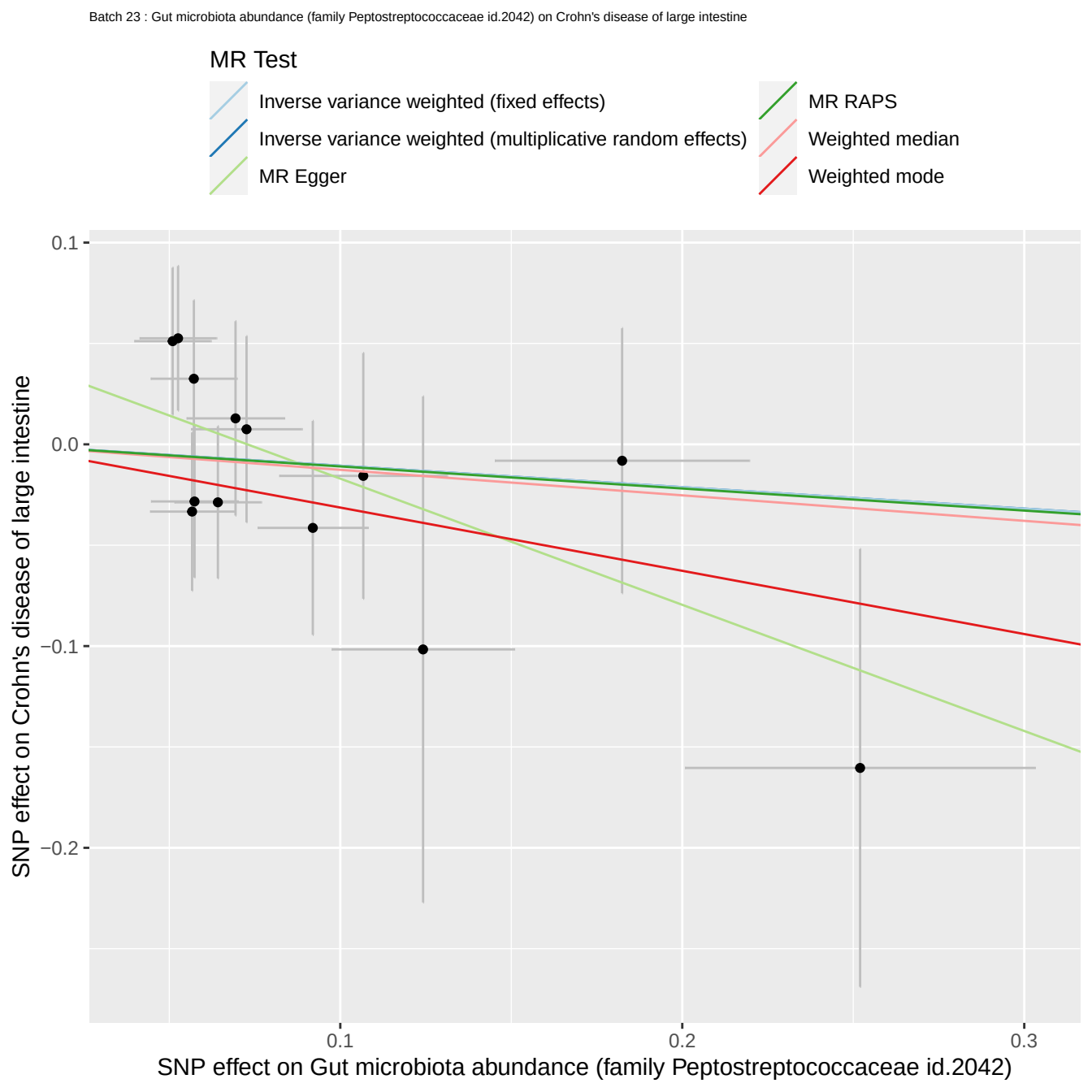


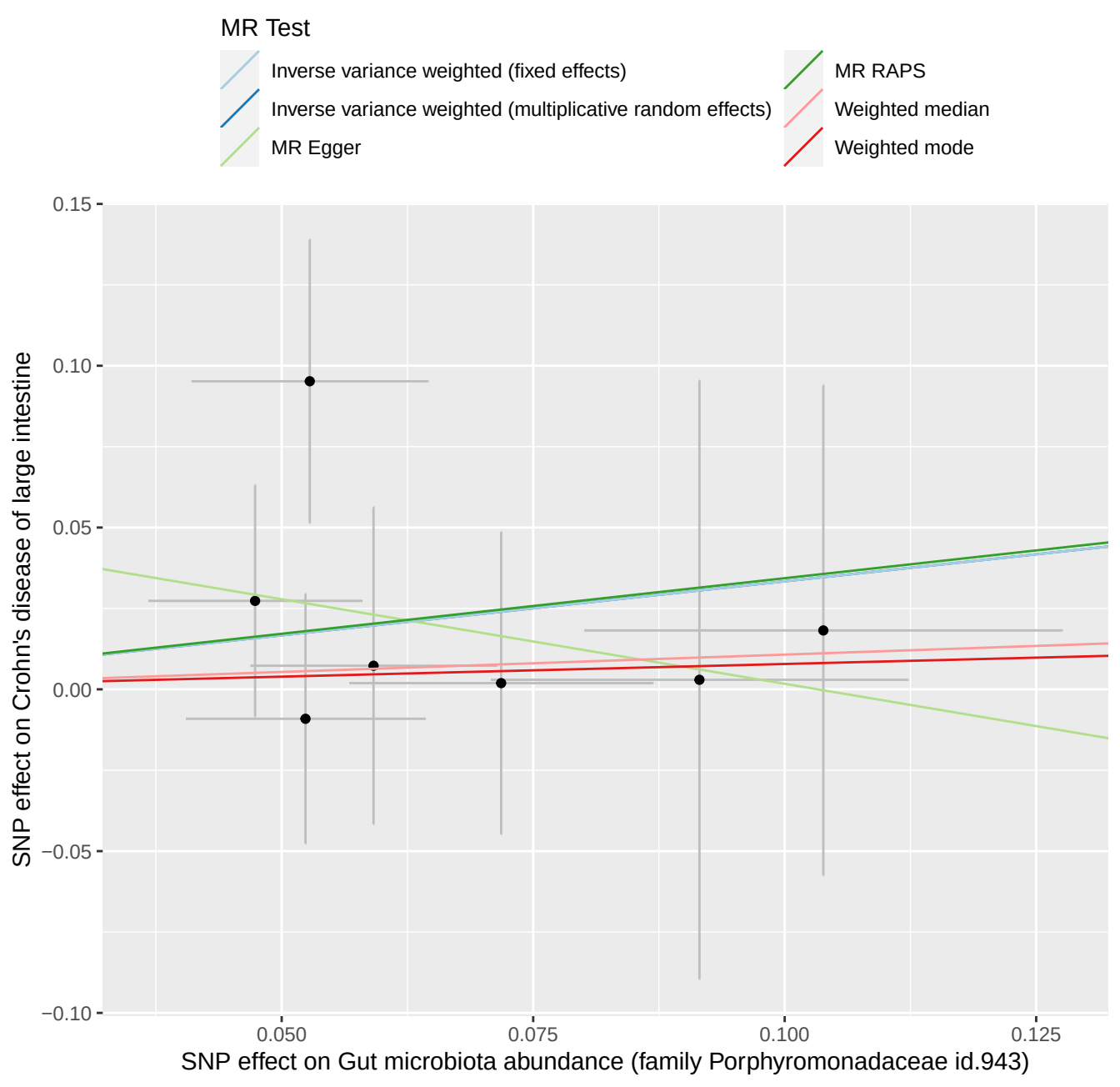
Batch 21 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Crohn's disease of large intestine



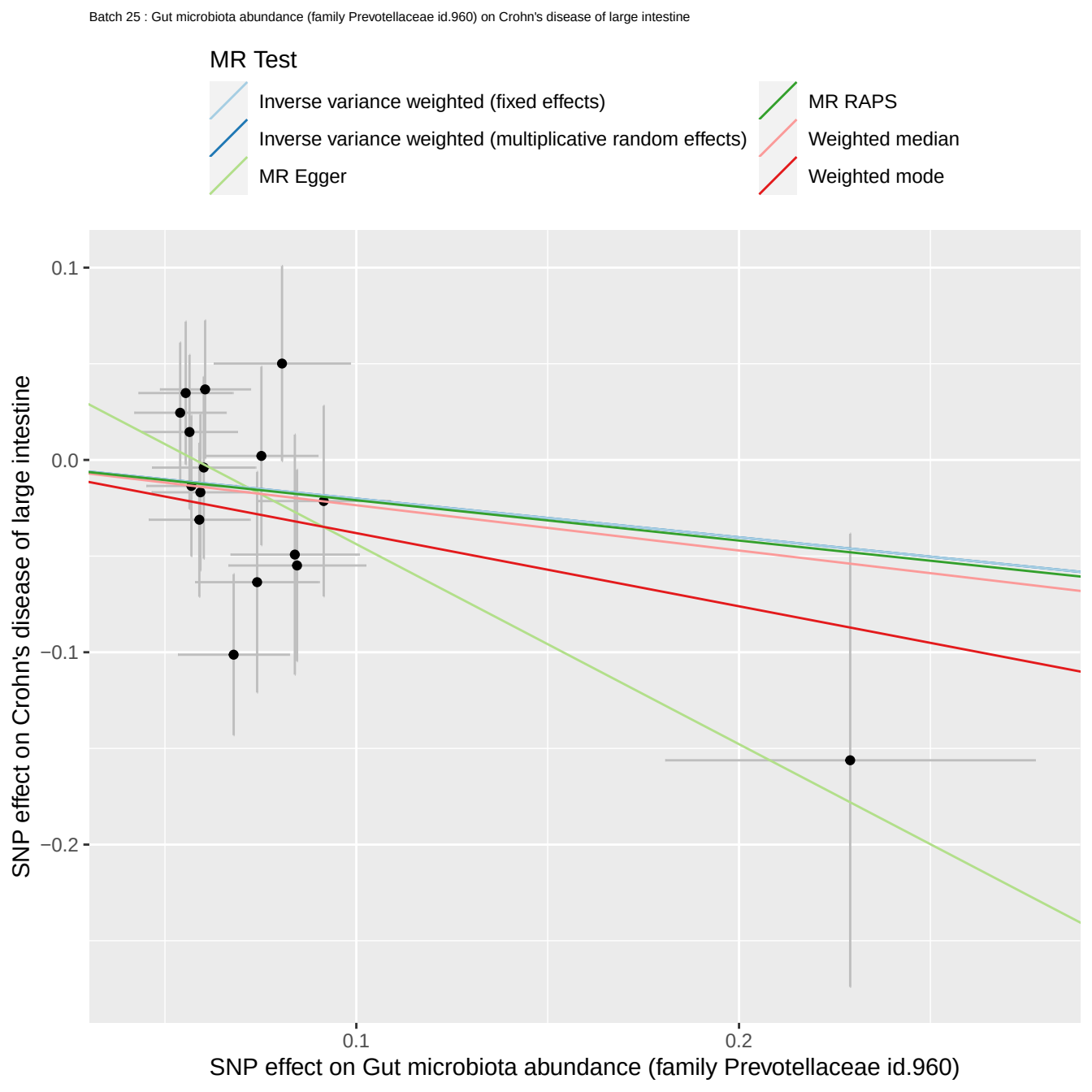
Batch 22 : Gut microbiota abundance (family Peptococcaceae id.2024) on Crohn's disease of large intestine



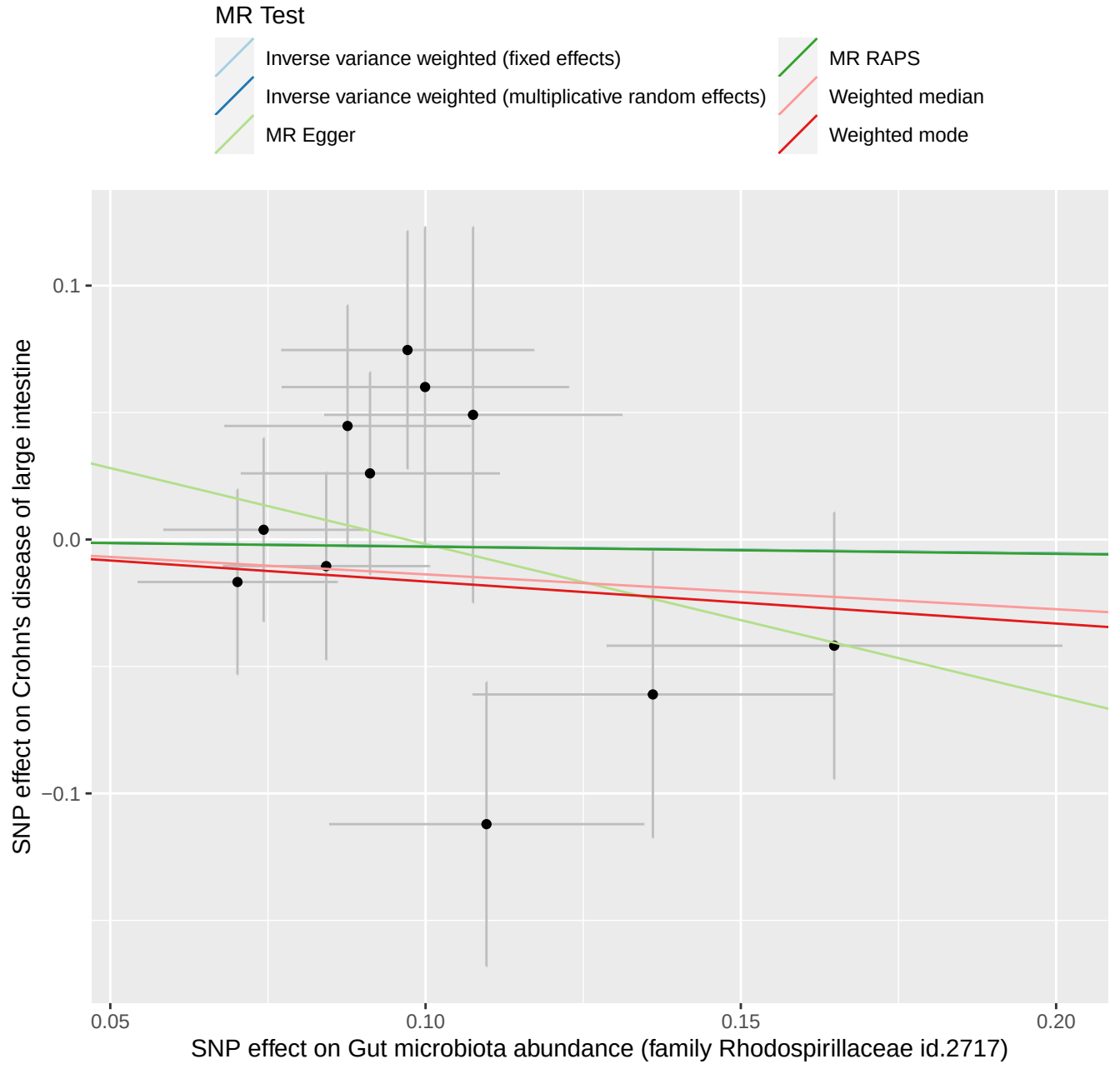

Batch 23 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of large intestine
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

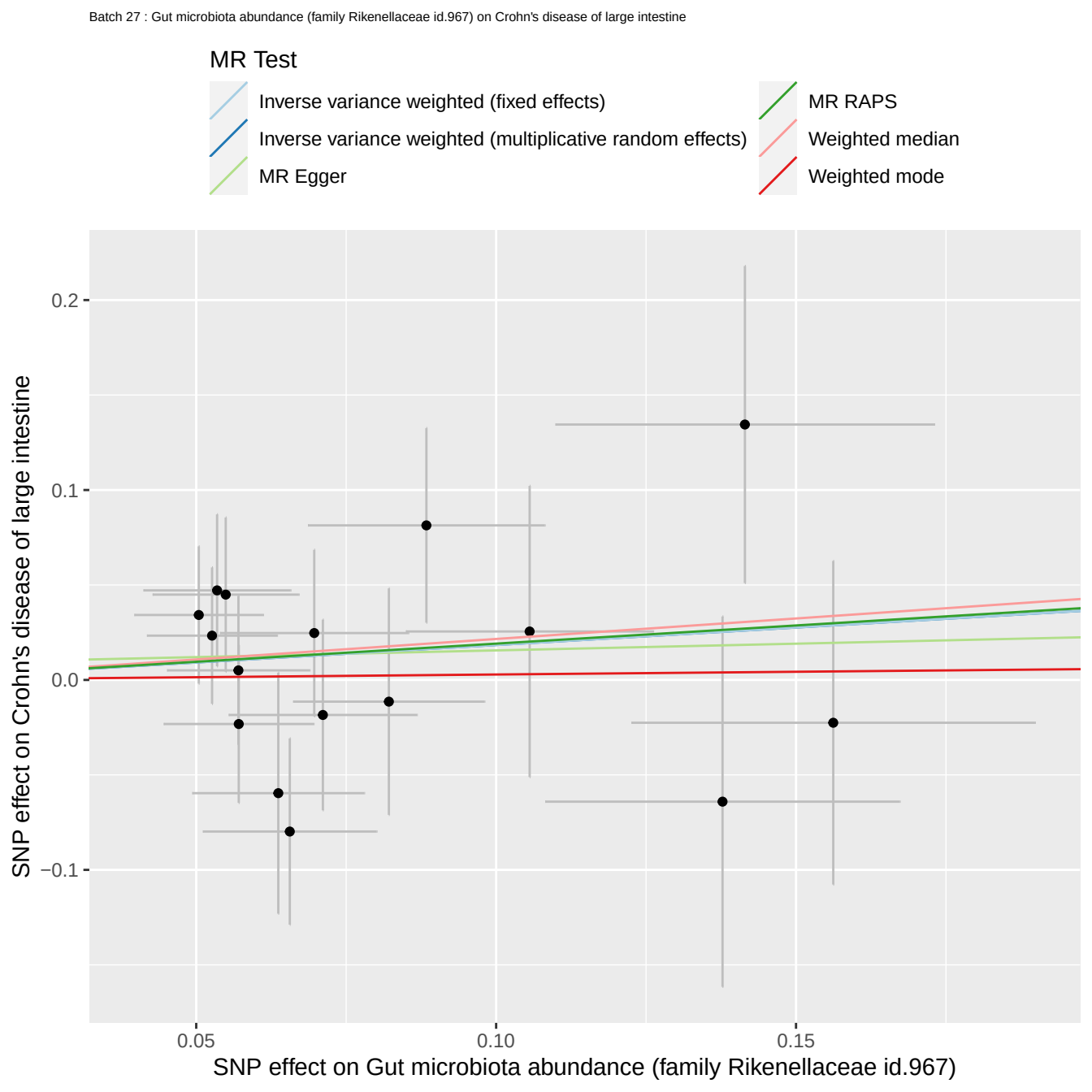
Batch 25 : Gut microbiota abundance (family Prevotellaceae id.960) on Crohn's disease of large intestine



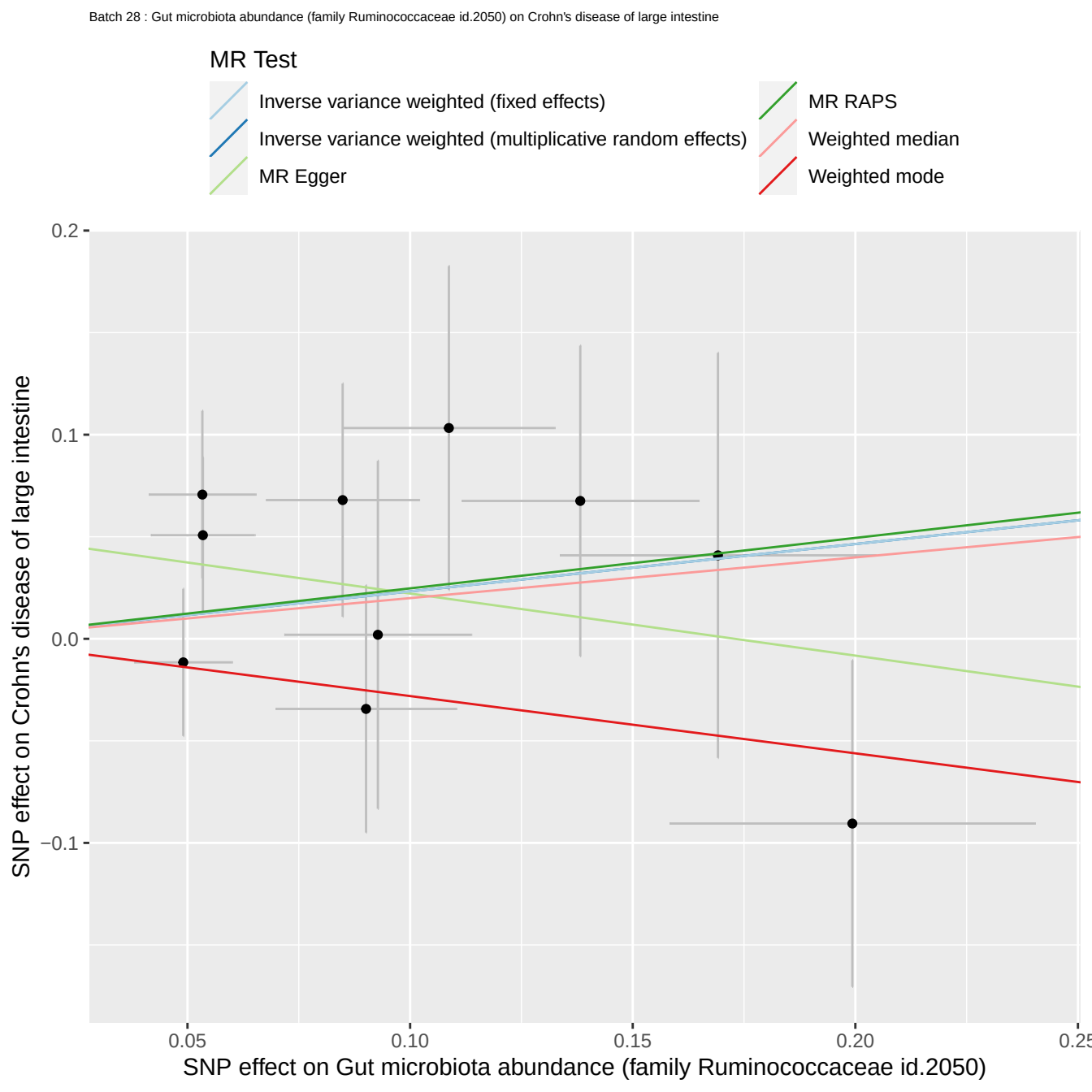
Batch 26 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Crohn's disease of large intestine



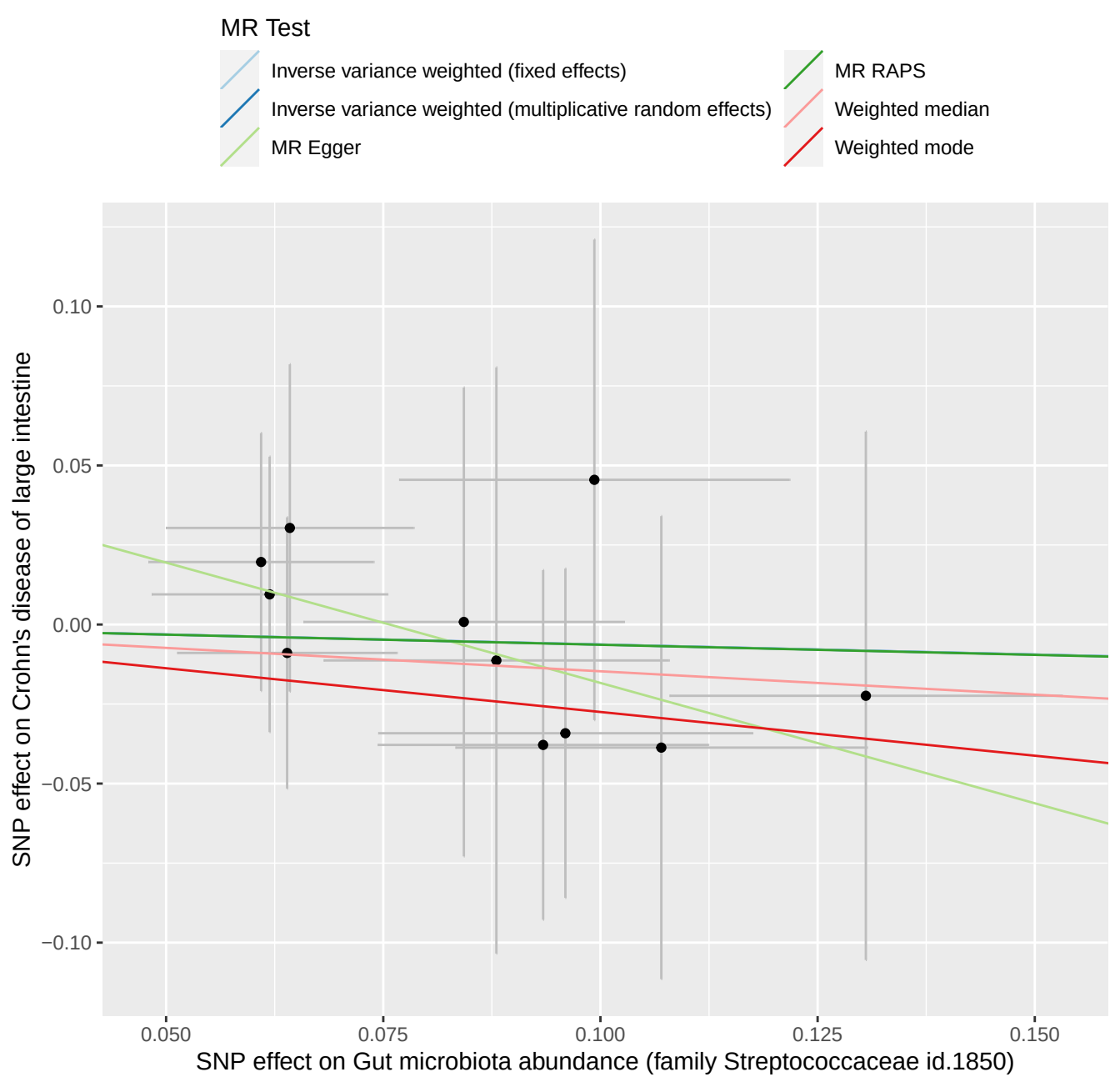
Batch 27 : Gut microbiota abundance (family Rikenellaceae id.967) on Crohn's disease of large intestine



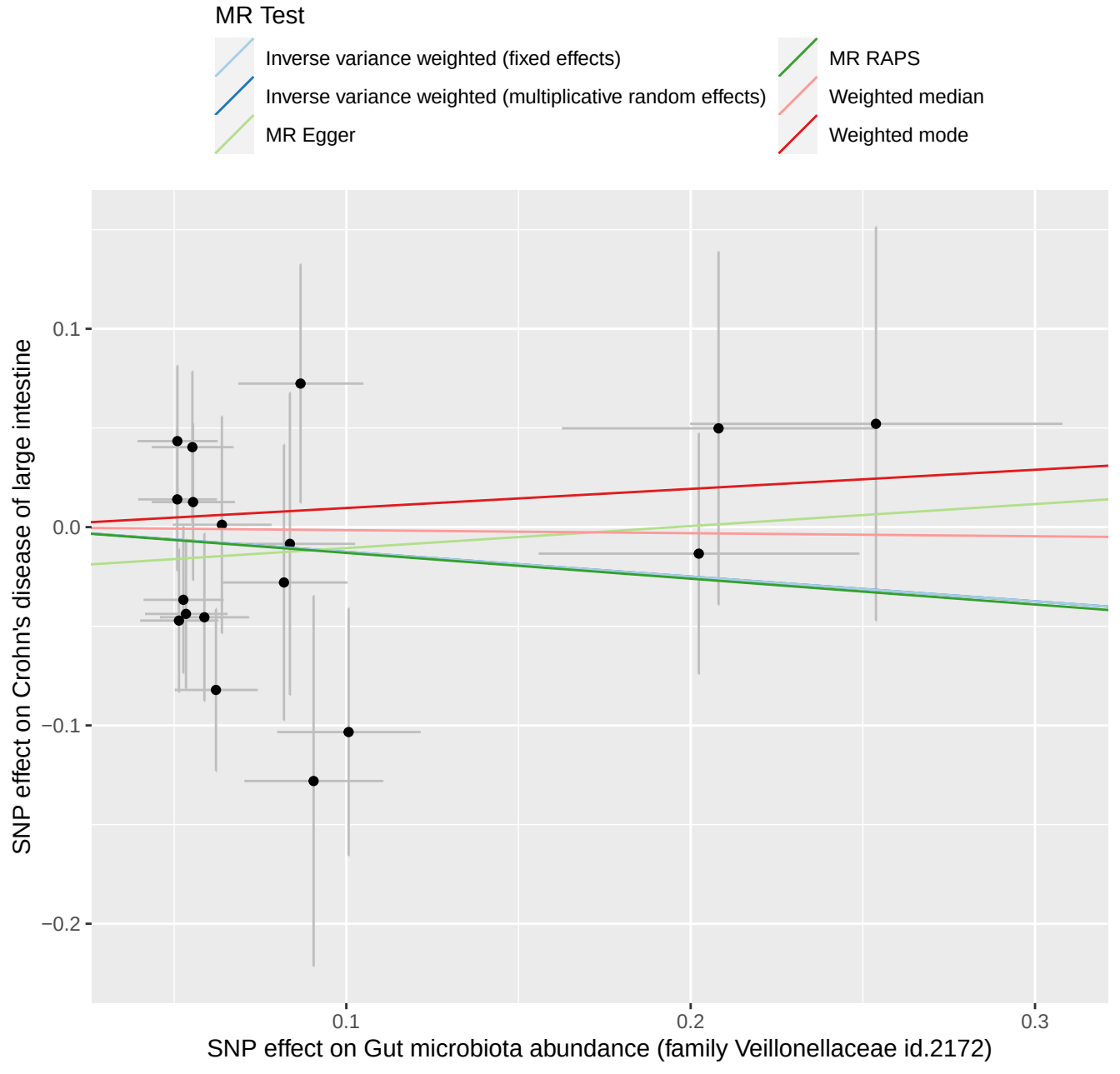
Batch 28 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Crohn's disease of large intestine



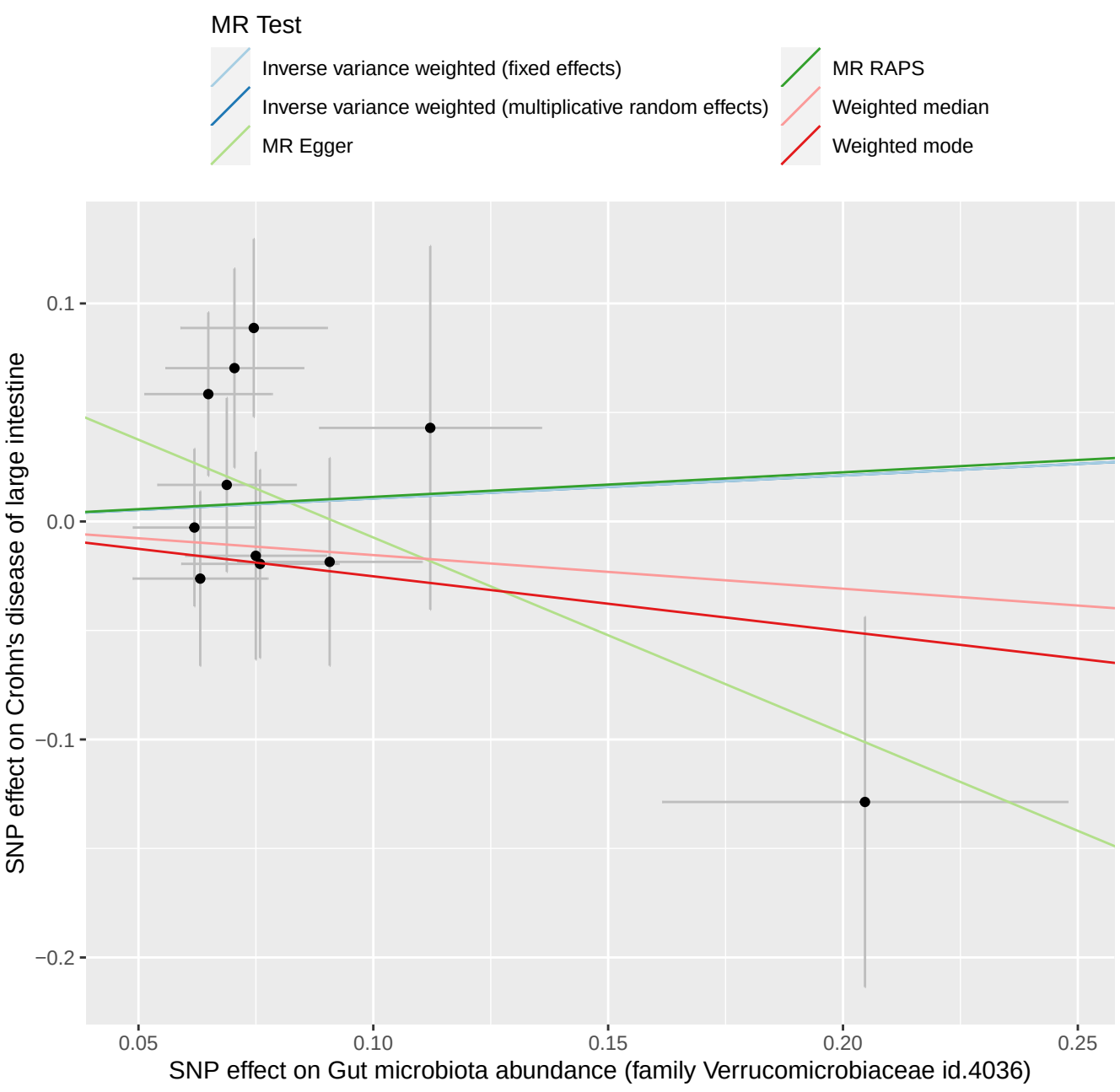
Batch 29 : Gut microbiota abundance (family Streptococcaceae id.1850) on Crohn's disease of large intestine



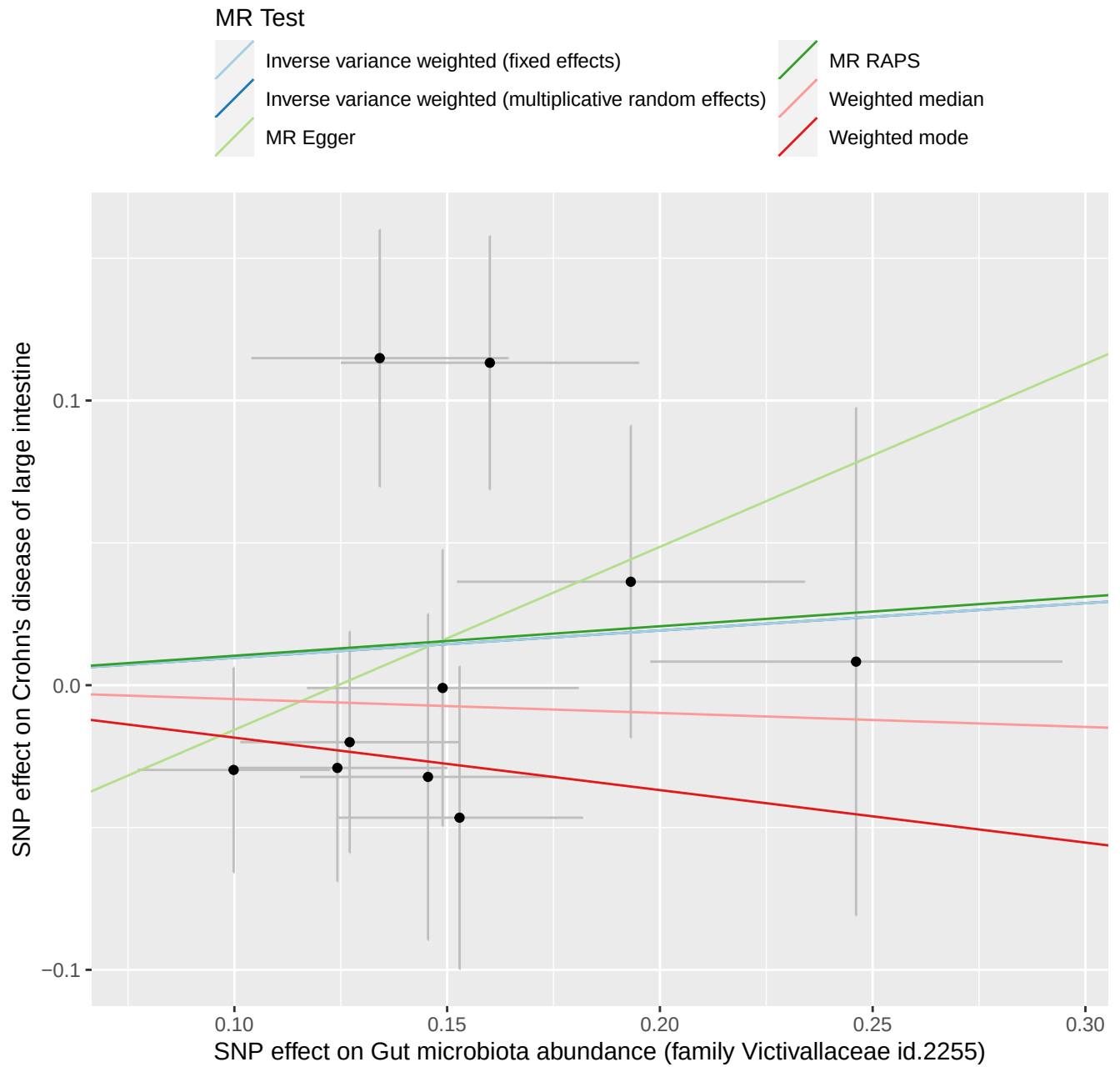
Batch 30 : Gut microbiota abundance (family Veillonellaceae id.2172) on Crohn's disease of large intestine



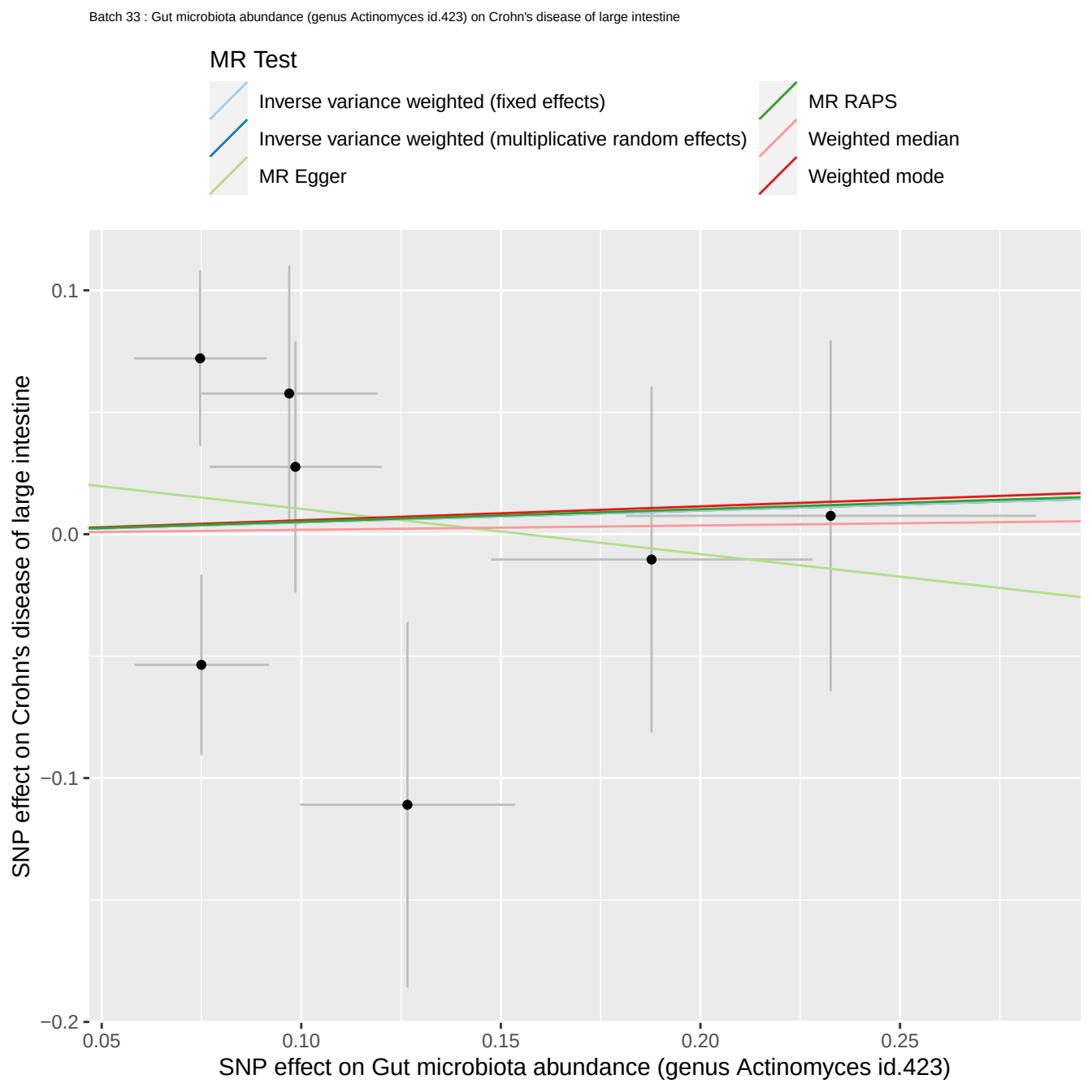
Batch 31 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Crohn's disease of large intestine



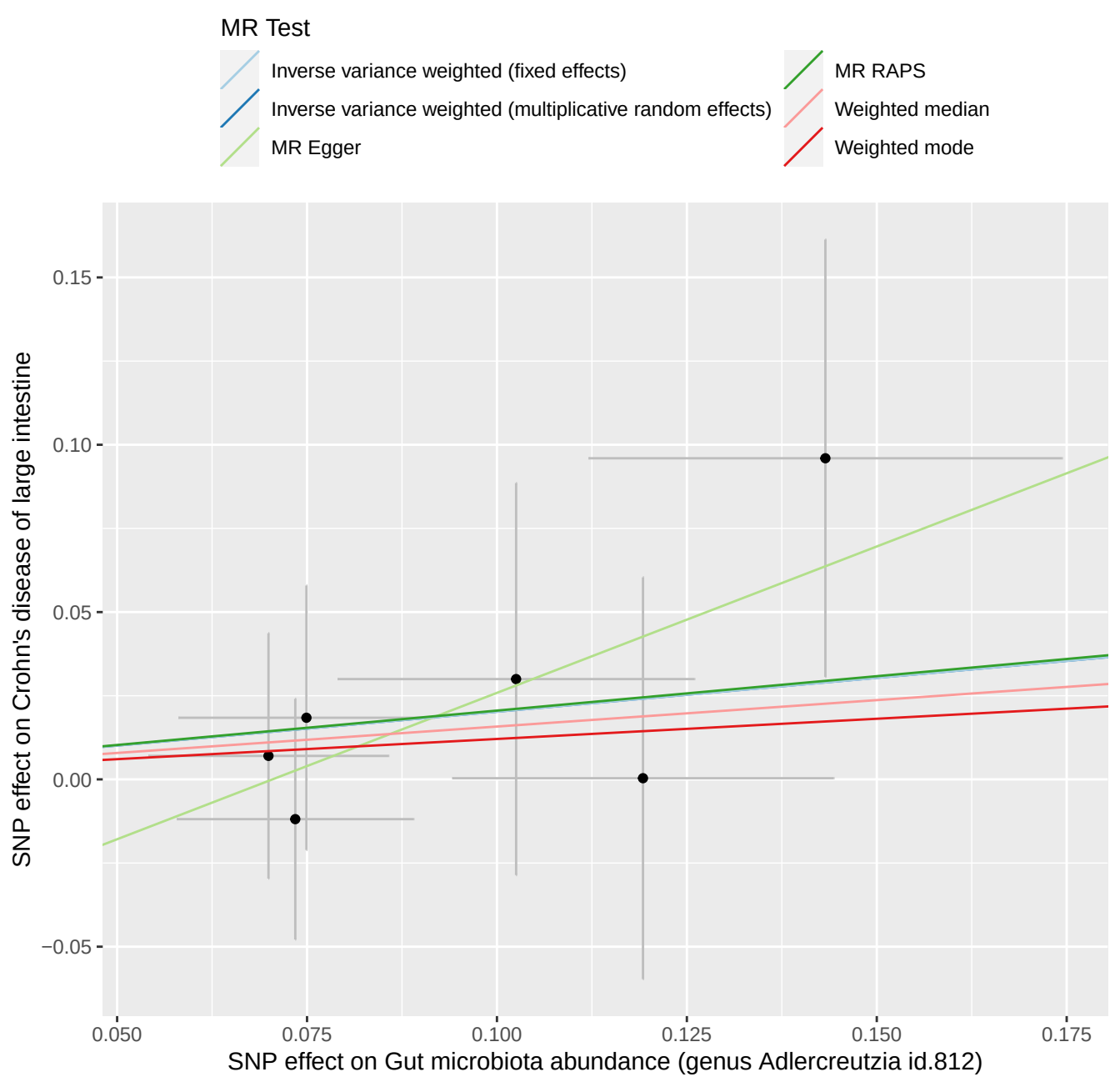
Batch 32 : Gut microbiota abundance (family Victivallaceae id.2255) on Crohn's disease of large intestine

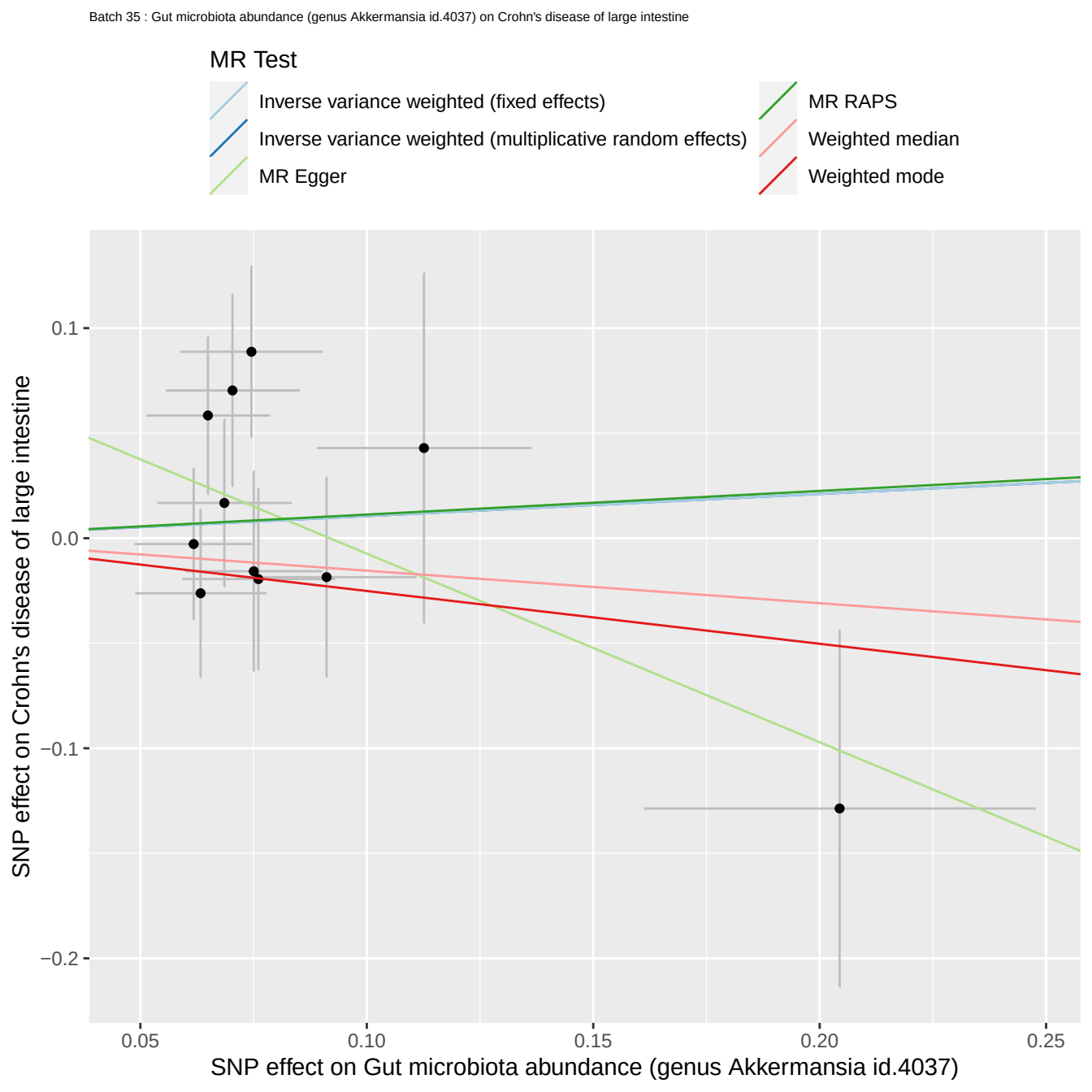


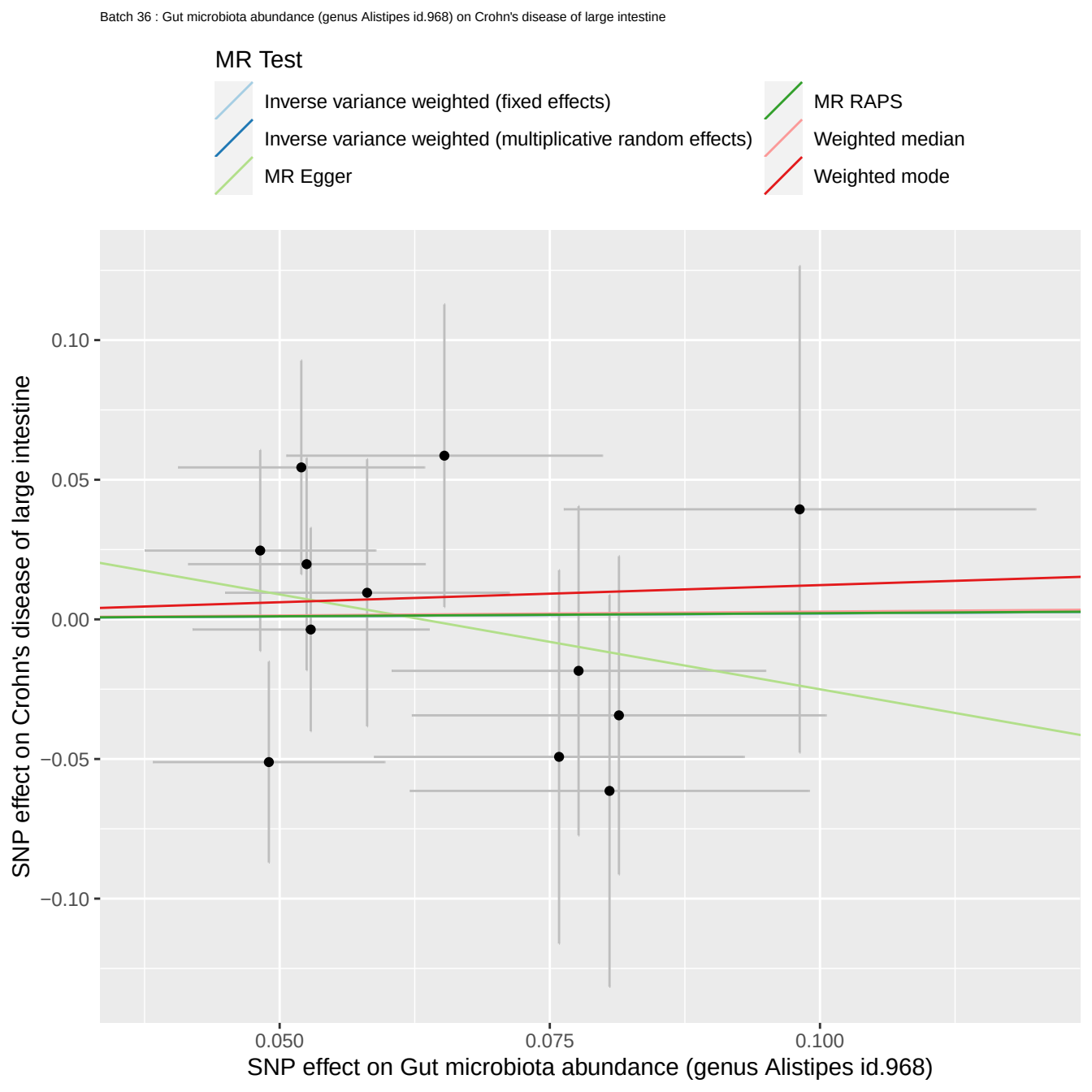
Batch 33 : Gut microbiota abundance (genus Actinomyces id.423) on Crohn's disease of large intestine

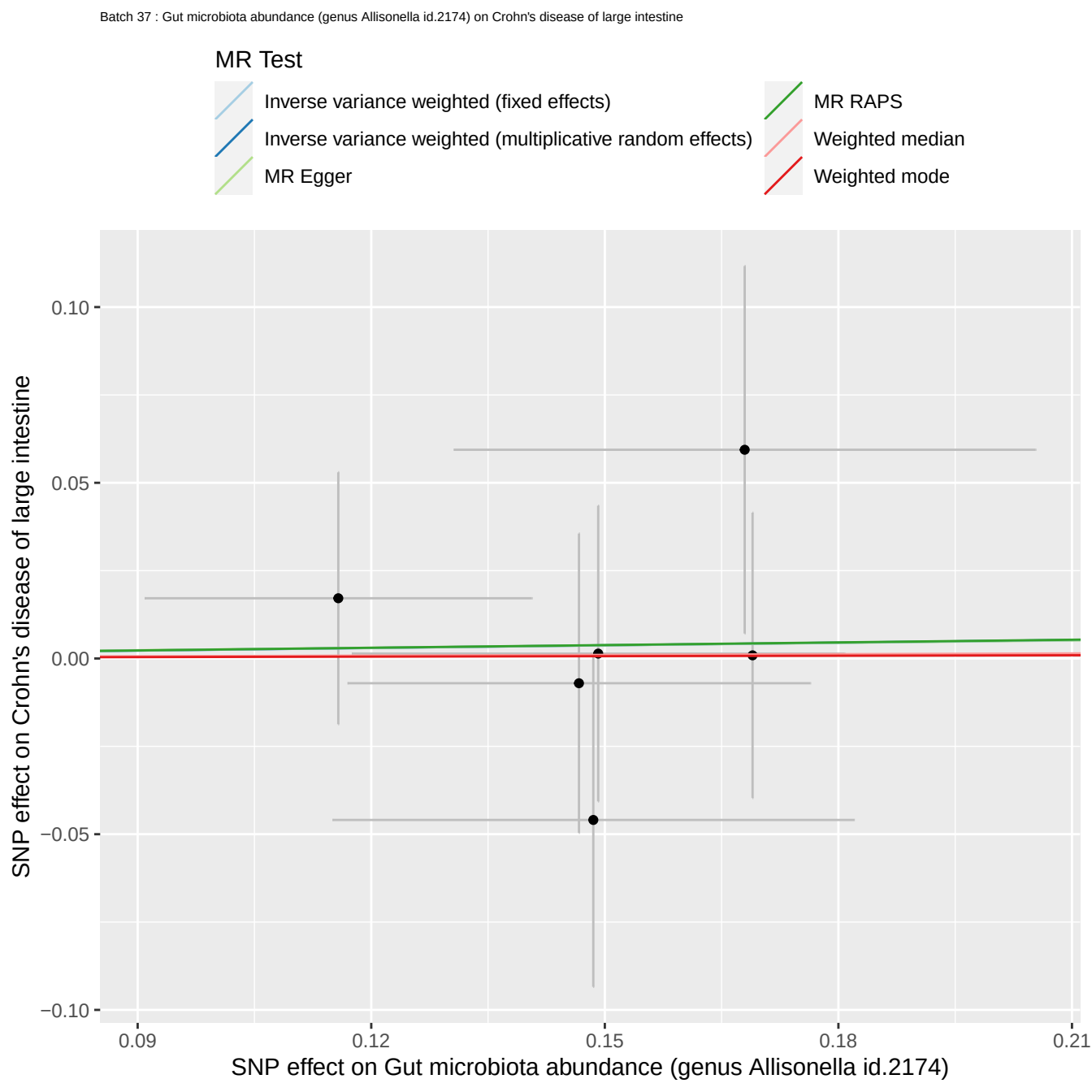


Batch 34 : Gut microbiota abundance (genus Adlercreutzia id.812) on Crohn's disease of large intestine

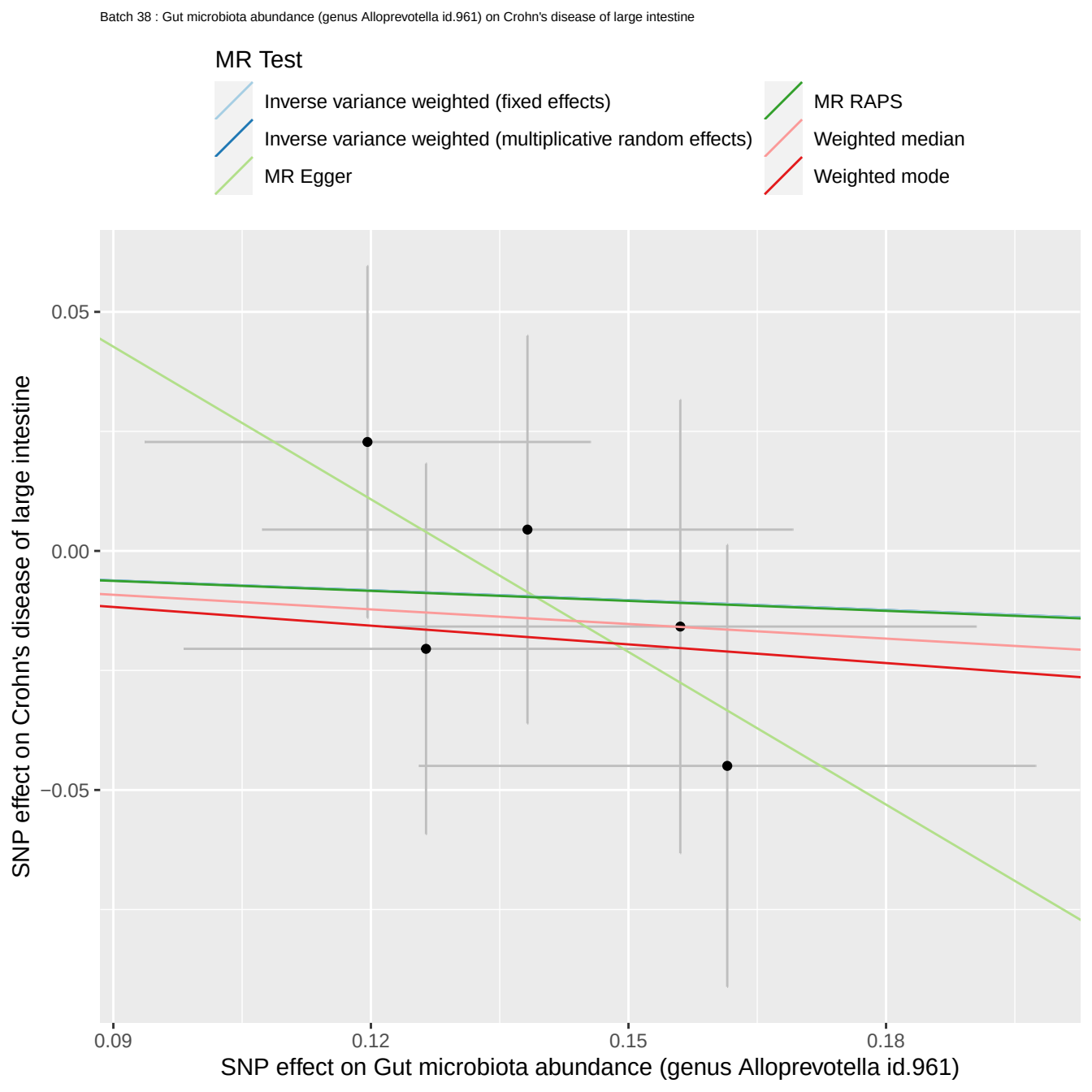



Batch 35 : Gut microbiota abundance (genus Akkermansia id.4037) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

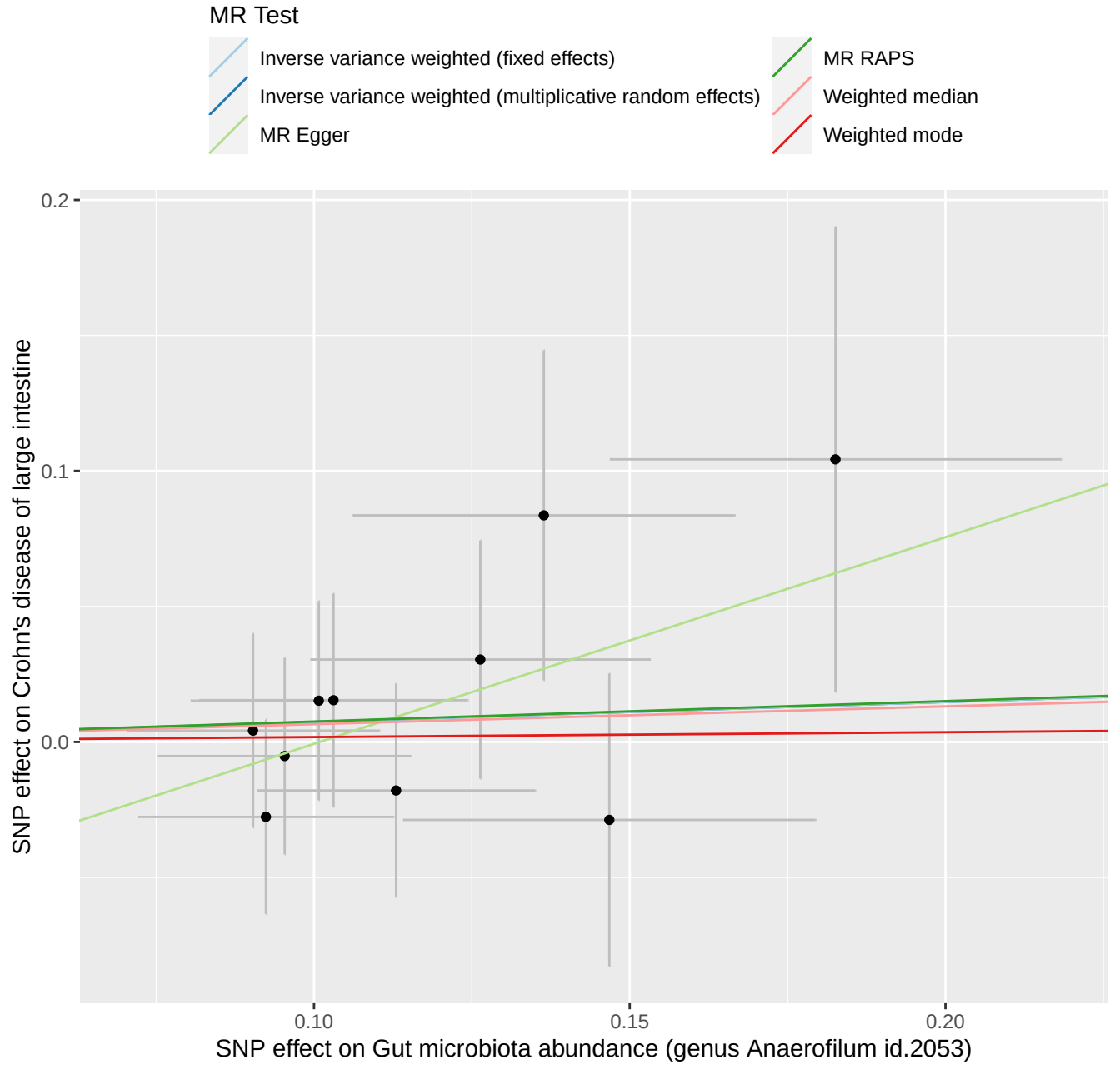

Batch 36 : Gut microbiota abundance (genus Alistipes id.968) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of large intestine
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)


Batch 37 : Gut microbiota abundance (genus Allisonella id.2174) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

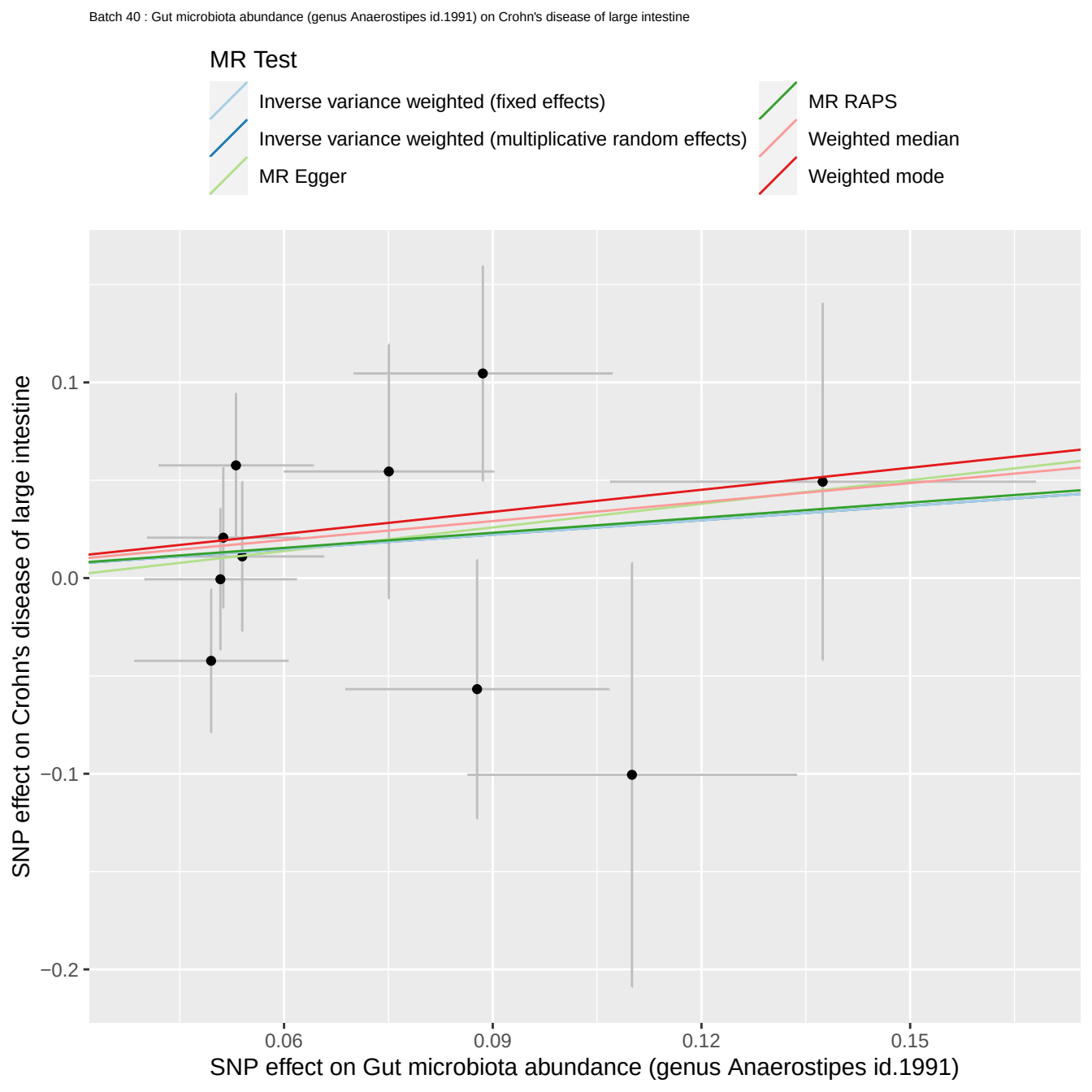
Batch 38 : Gut microbiota abundance (genus Alloprevotella id.961) on Crohn's disease of large intestine



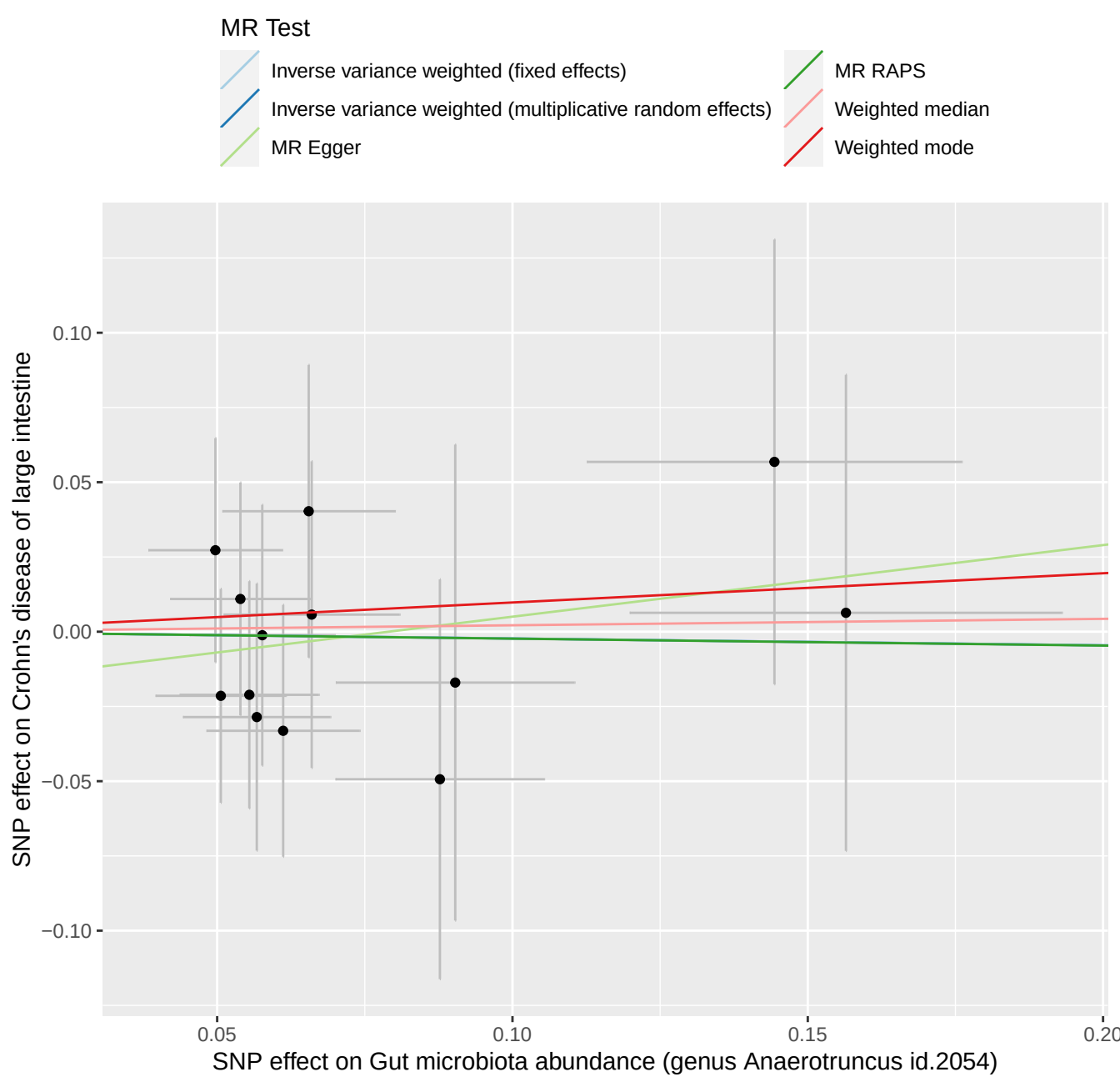
Batch 39 : Gut microbiota abundance (genus Anaerofilum id.2053) on Crohn's disease of large intestine



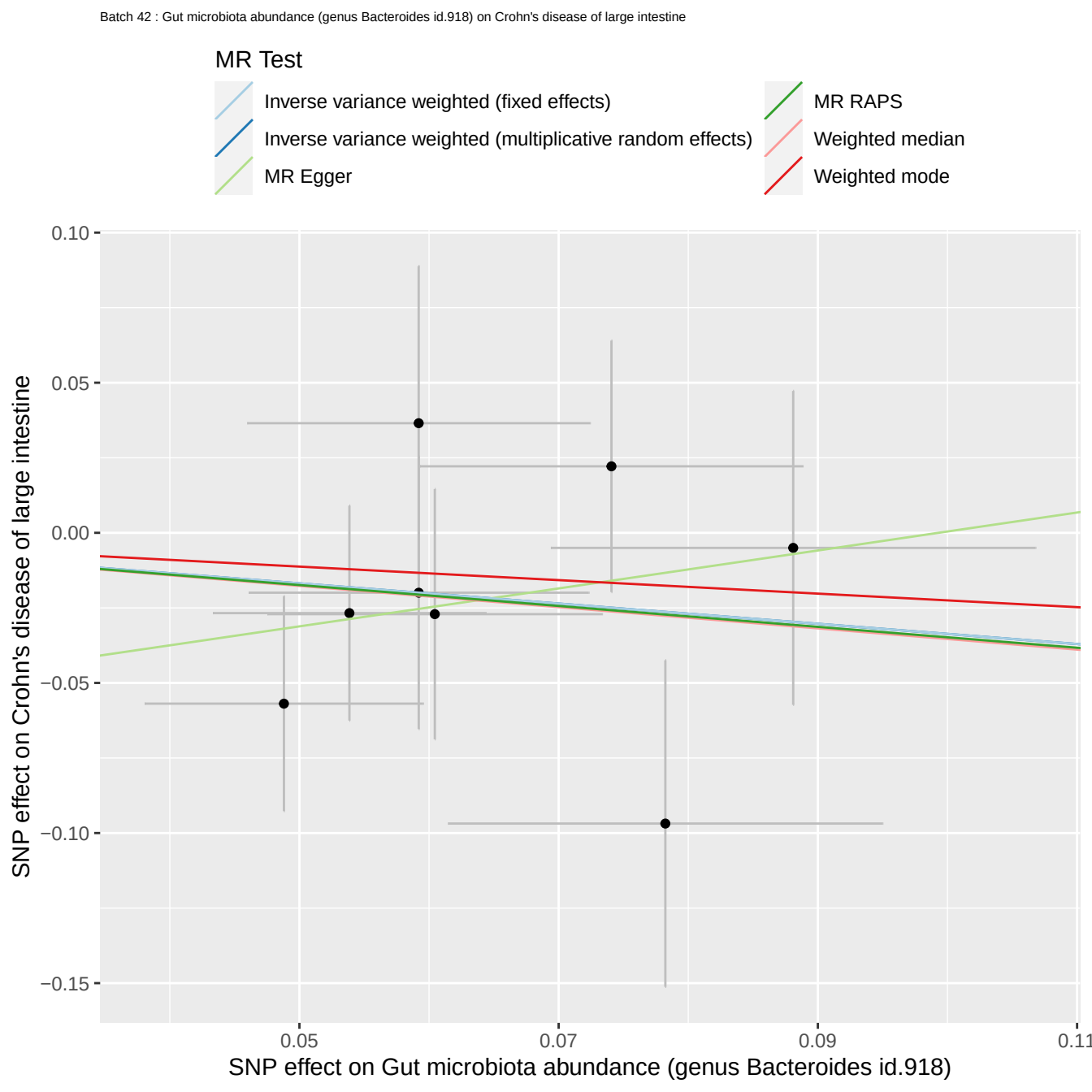
Batch 40 : Gut microbiota abundance (genus Anaerostipes id.1991) on Crohn's disease of large intestine

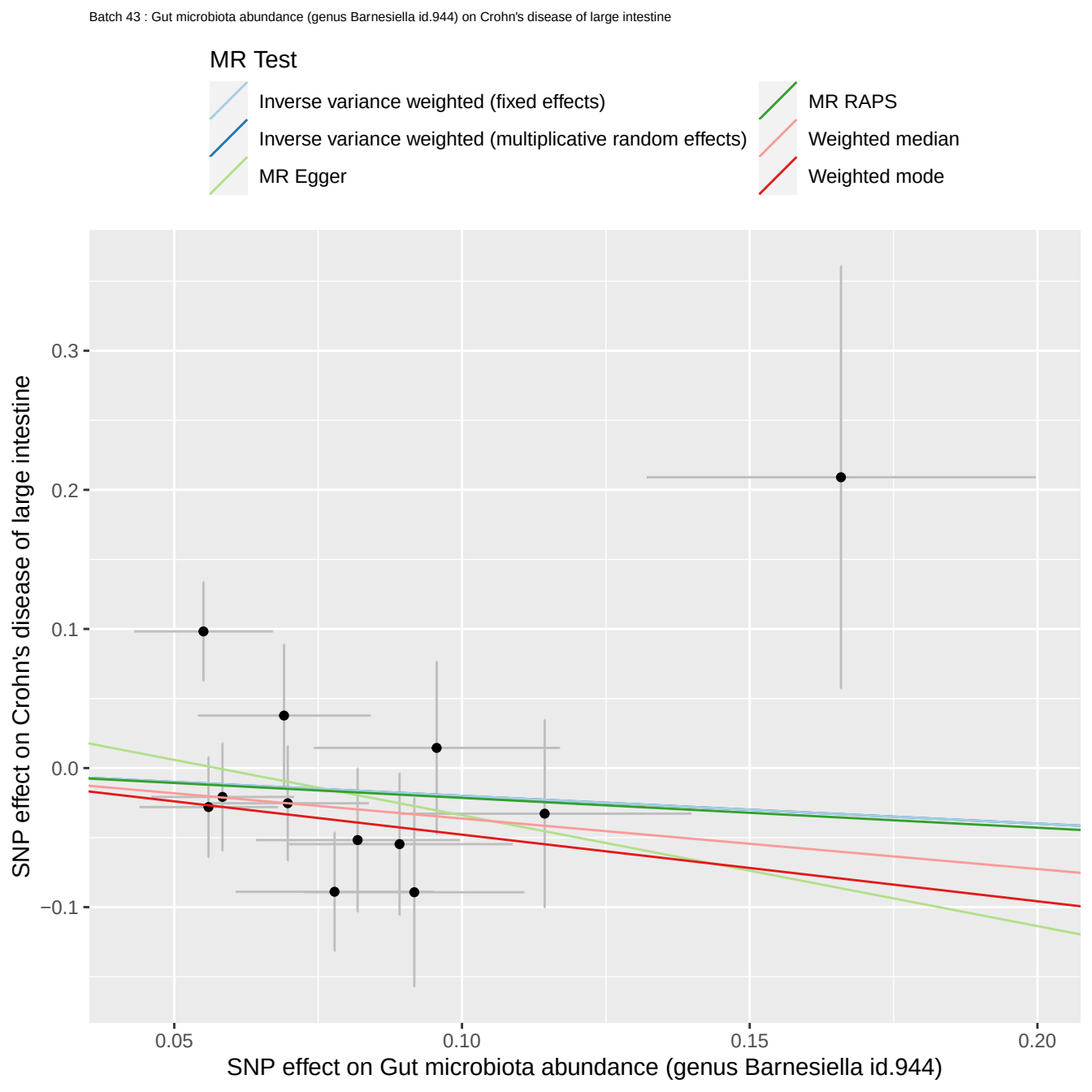


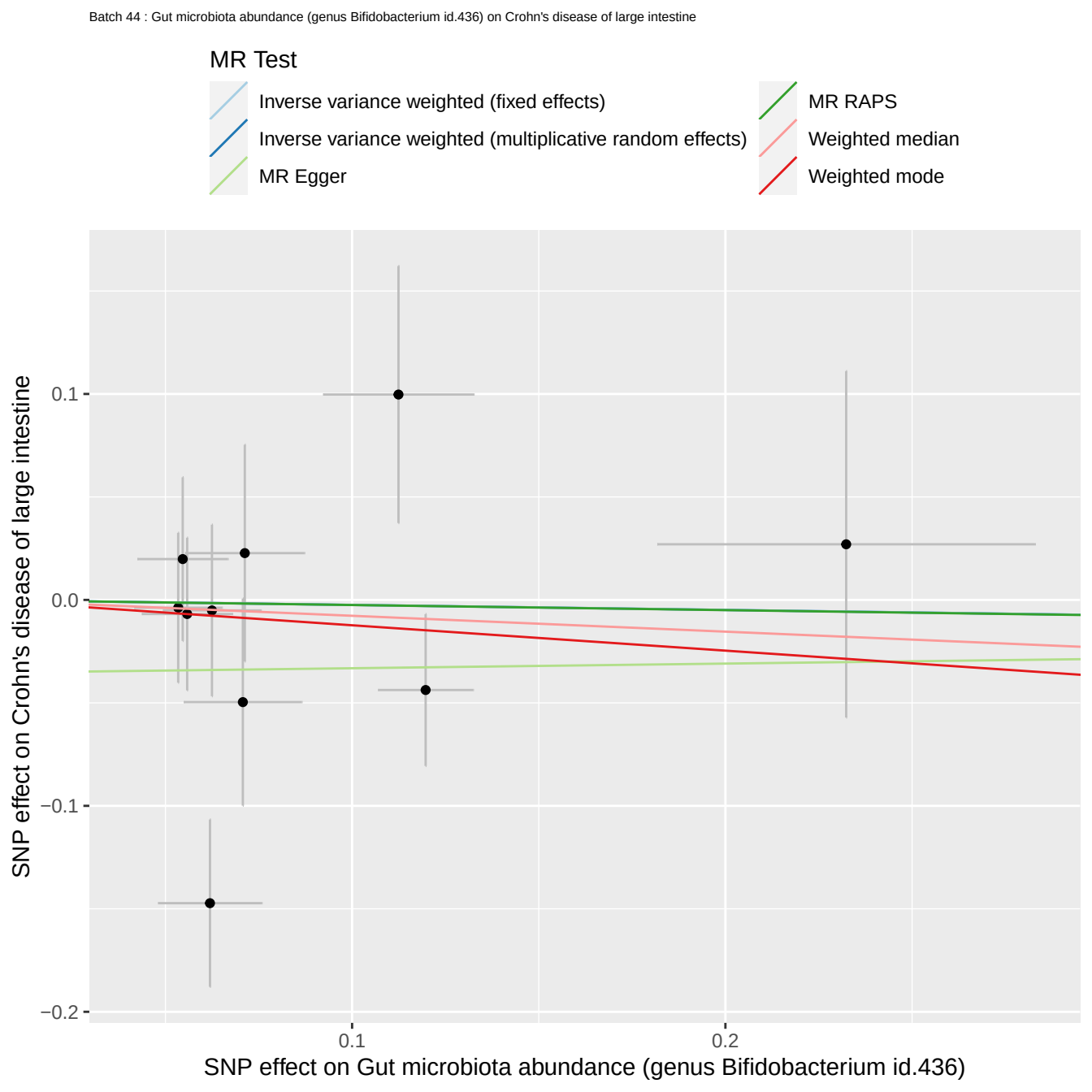
Batch 41 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Crohn's disease of large intestine

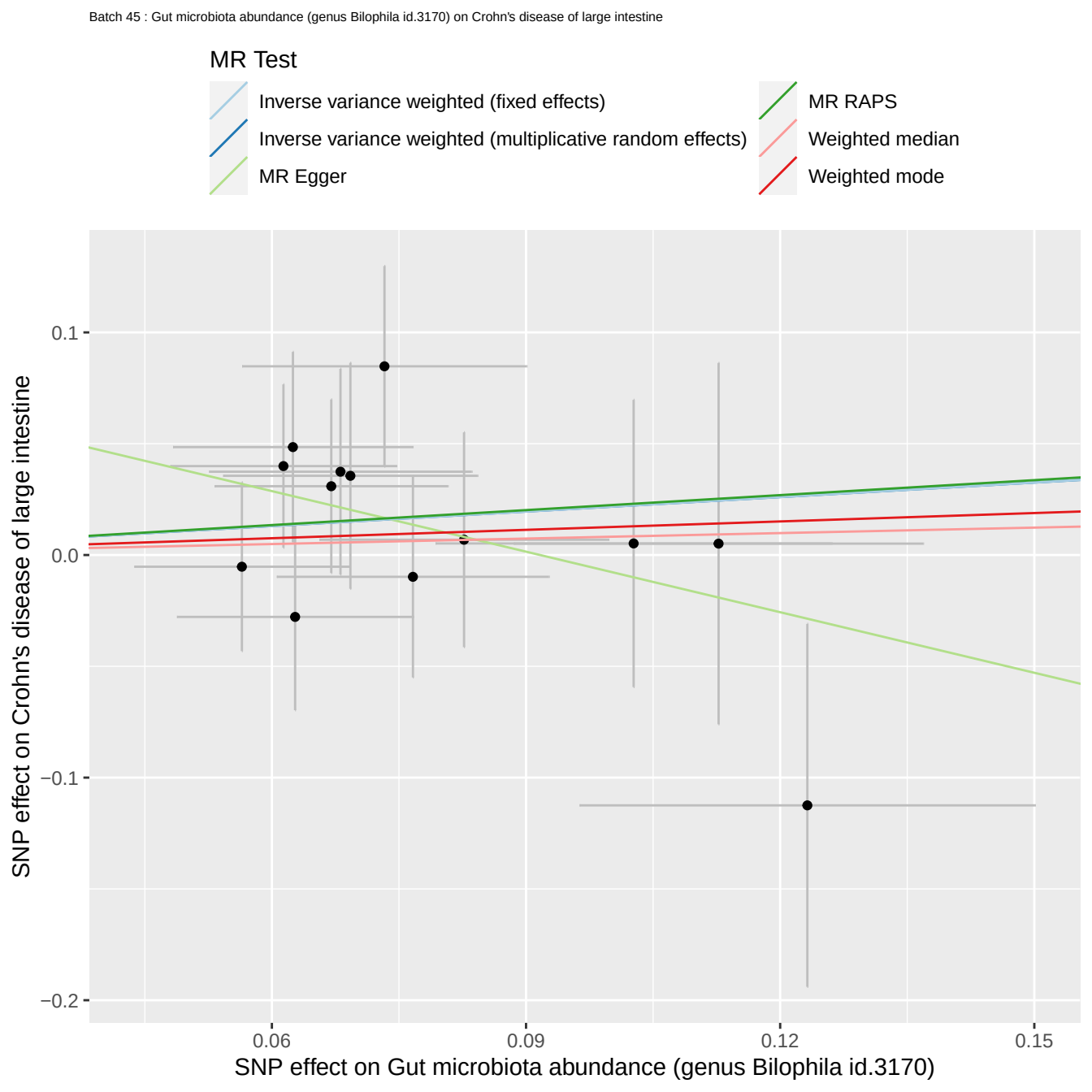


Batch 42 : Gut microbiota abundance (genus Bacteroides id.918) on Crohn's disease of large intestine

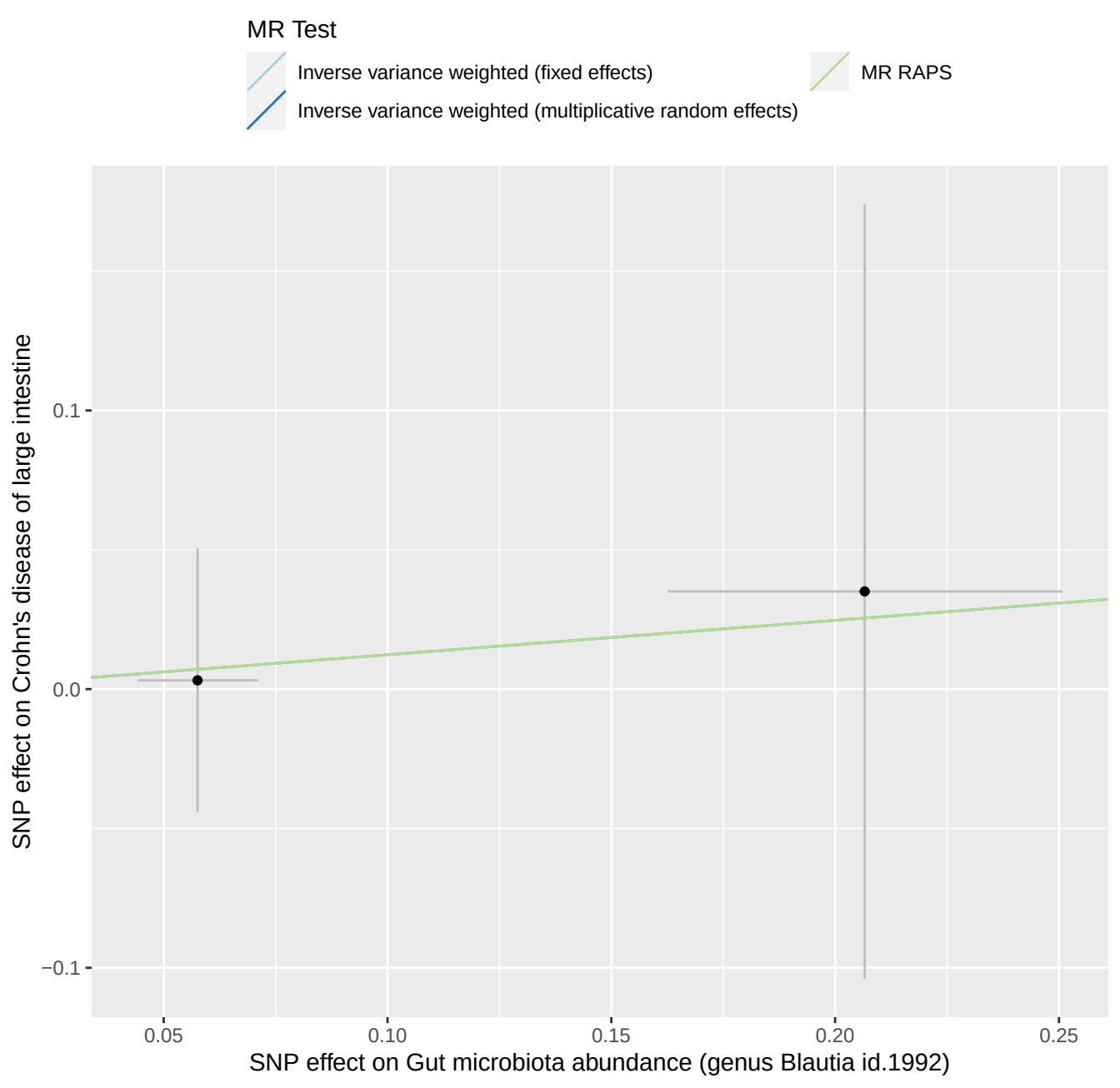



Batch 43 : Gut microbiota abundance (genus Barnesiella id.944) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

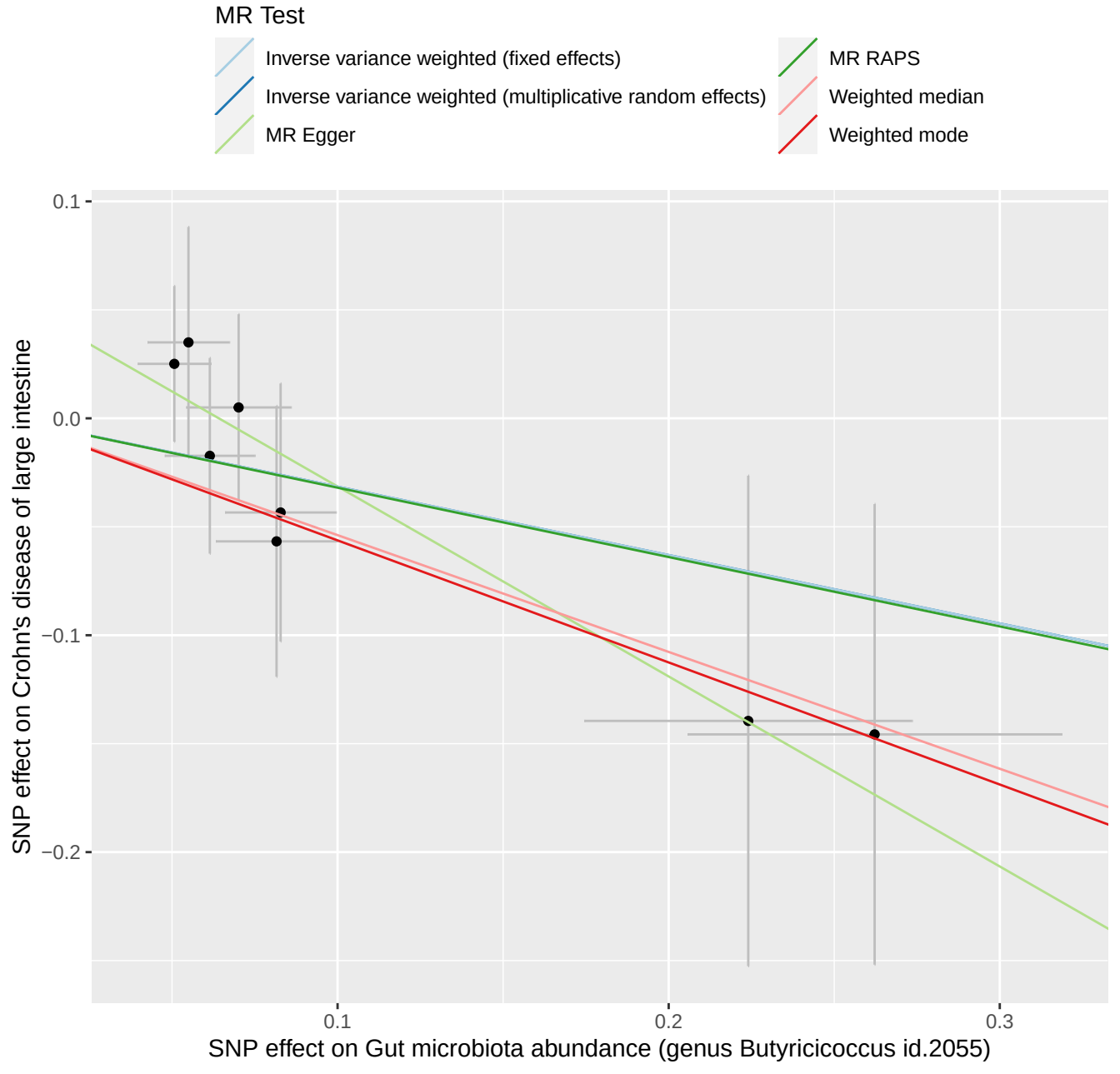

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)


Batch 45 : Gut microbiota abundance (genus Bilophila id.3170) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

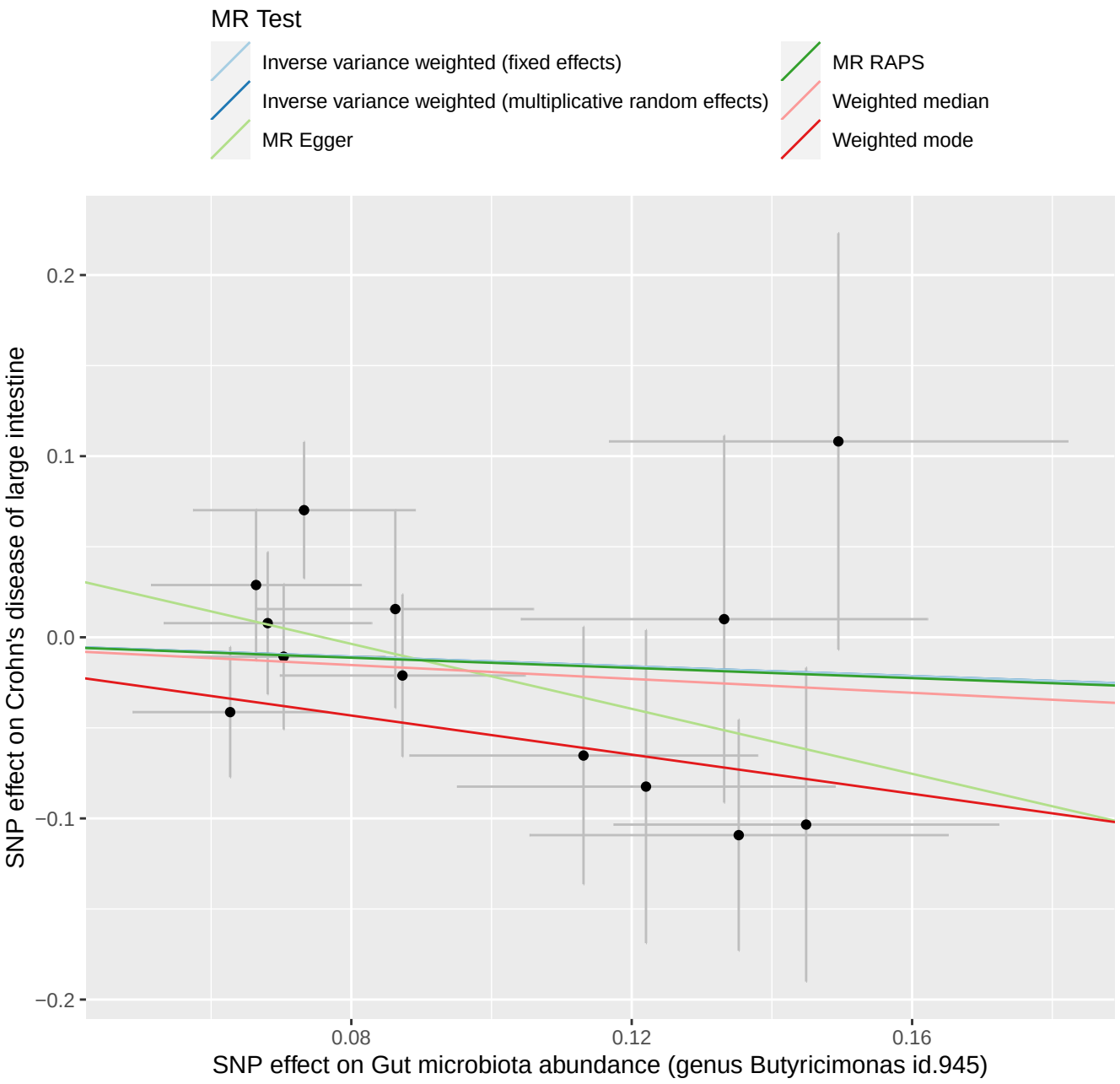
Batch 46 : Gut microbiota abundance (genus Blautia id.1992) on Crohn's disease of large intestine

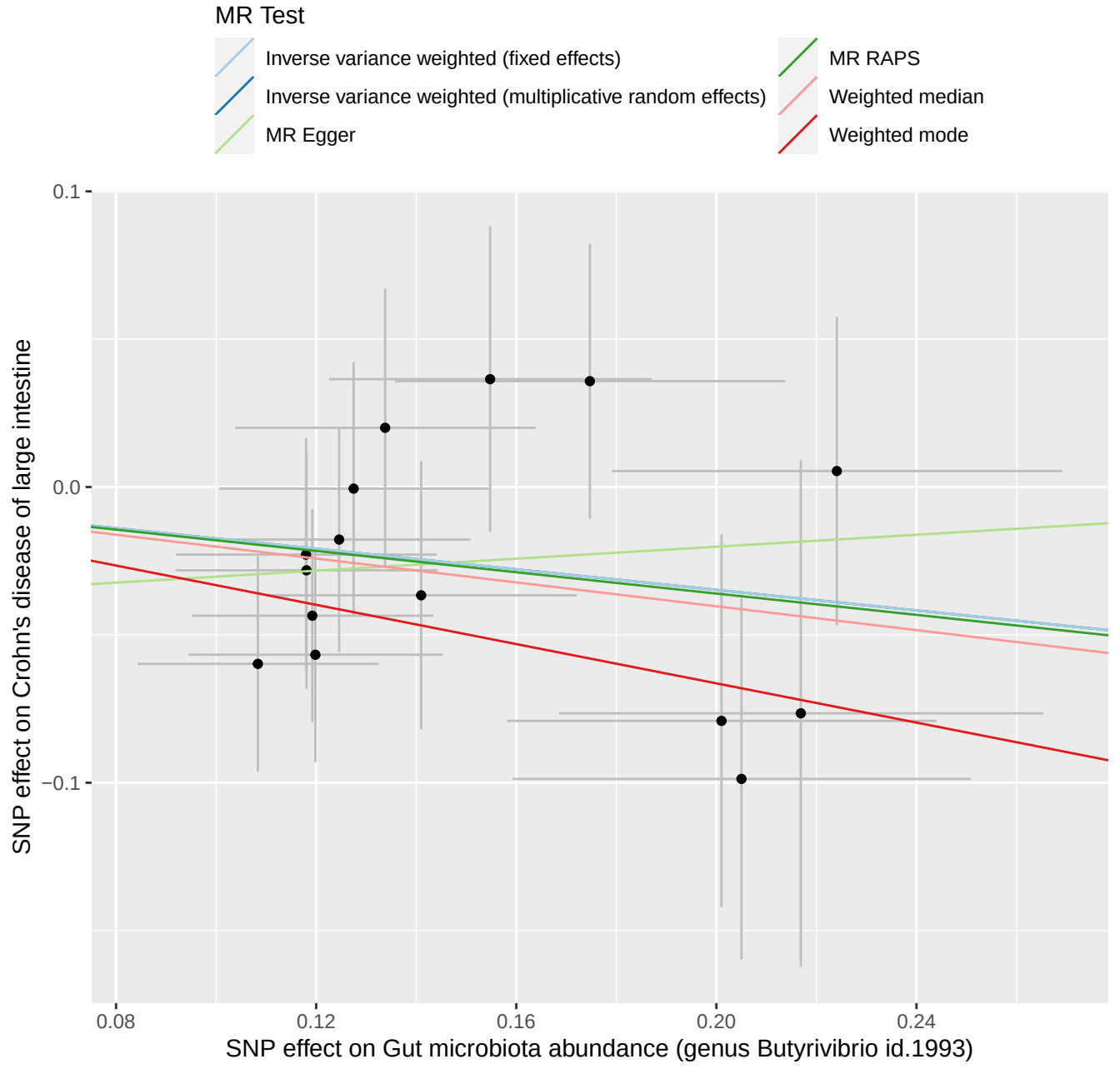


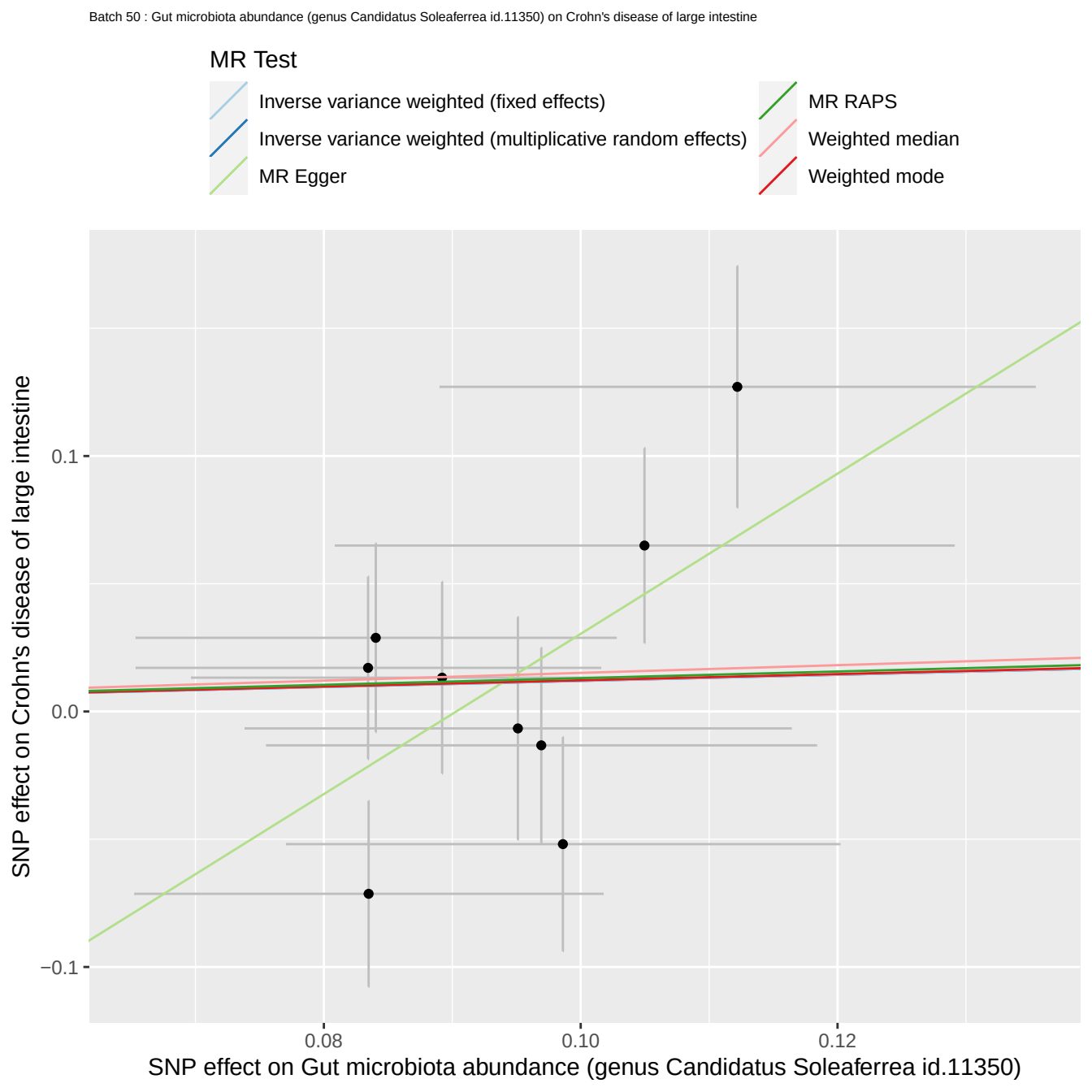
Batch 47 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Crohn's disease of large intestine



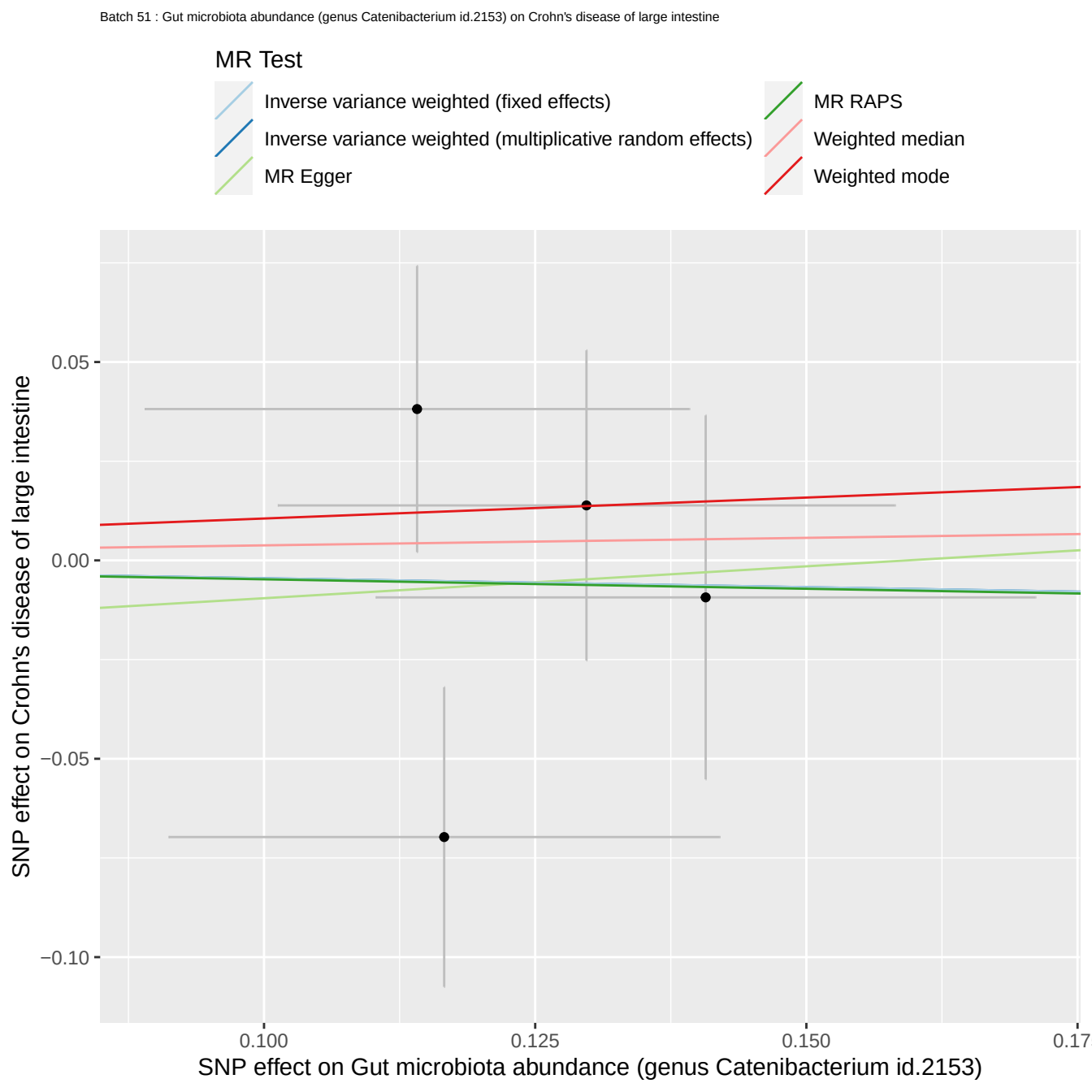
Batch 48 : Gut microbiota abundance (genus Butyricimonas id.945) on Crohn's disease of large intestine



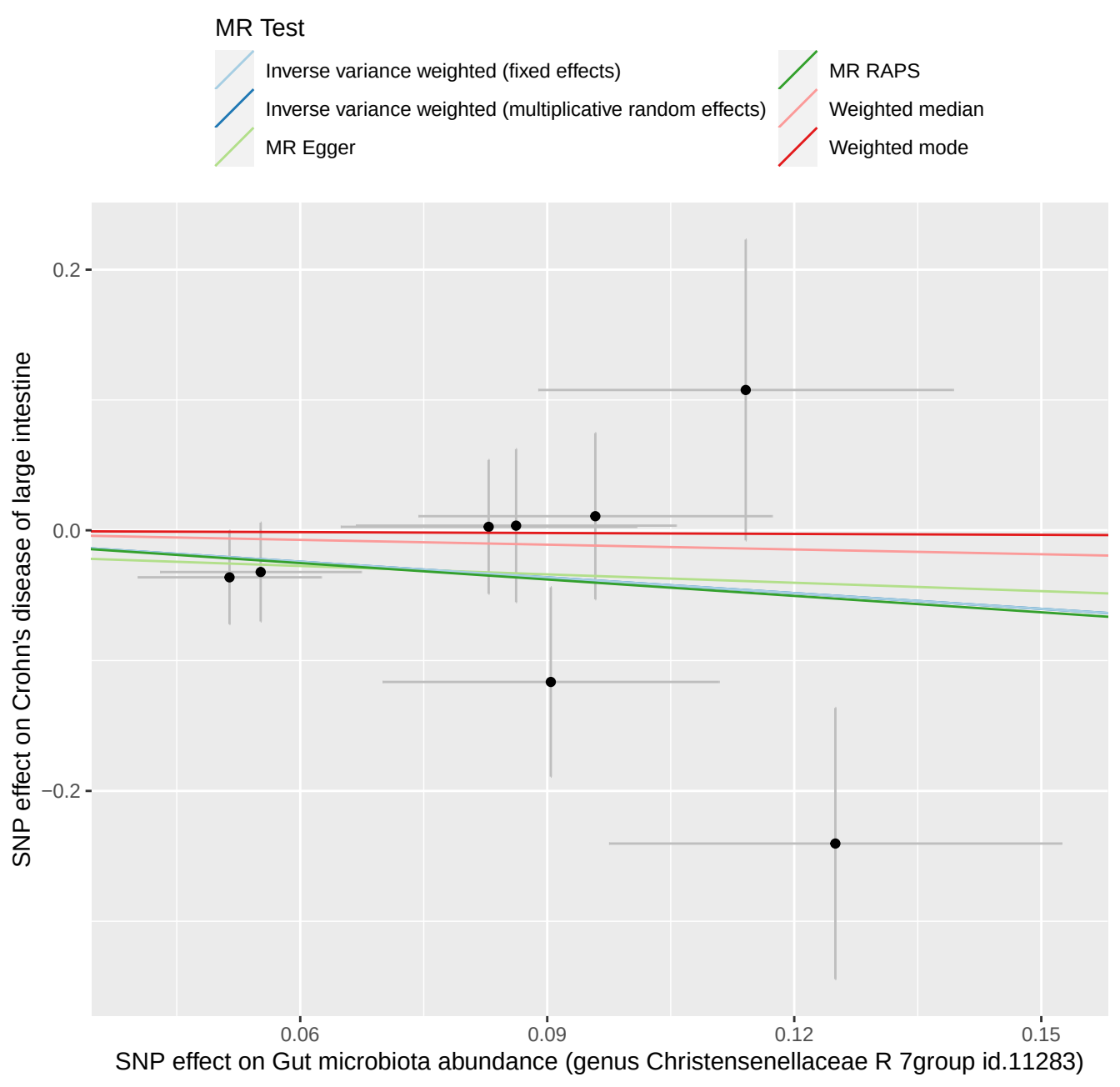

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Crohn's disease of large intestine
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)


Batch 50 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

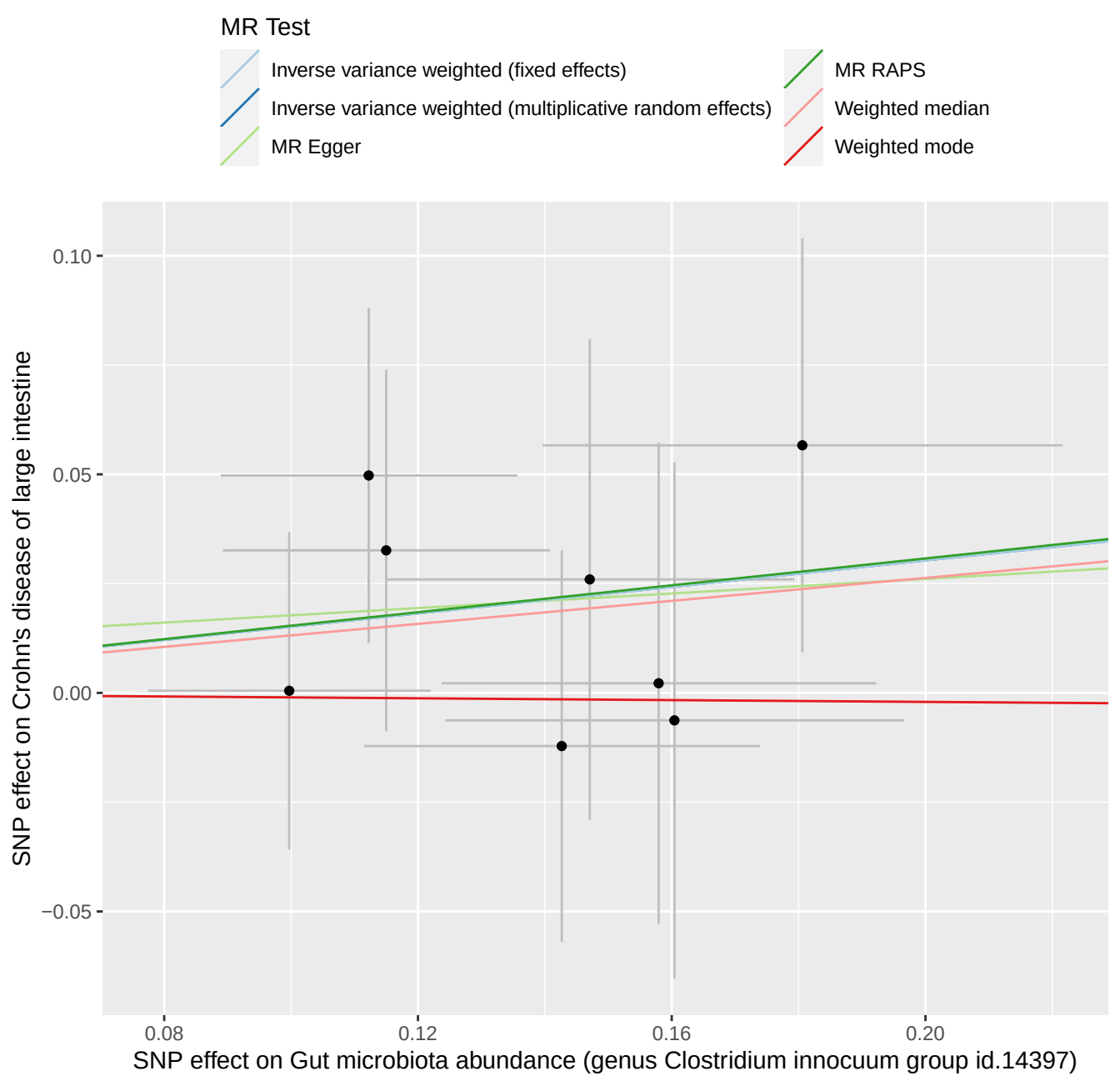
Batch 51 : Gut microbiota abundance (genus Catenibacterium id.2153) on Crohn's disease of large intestine

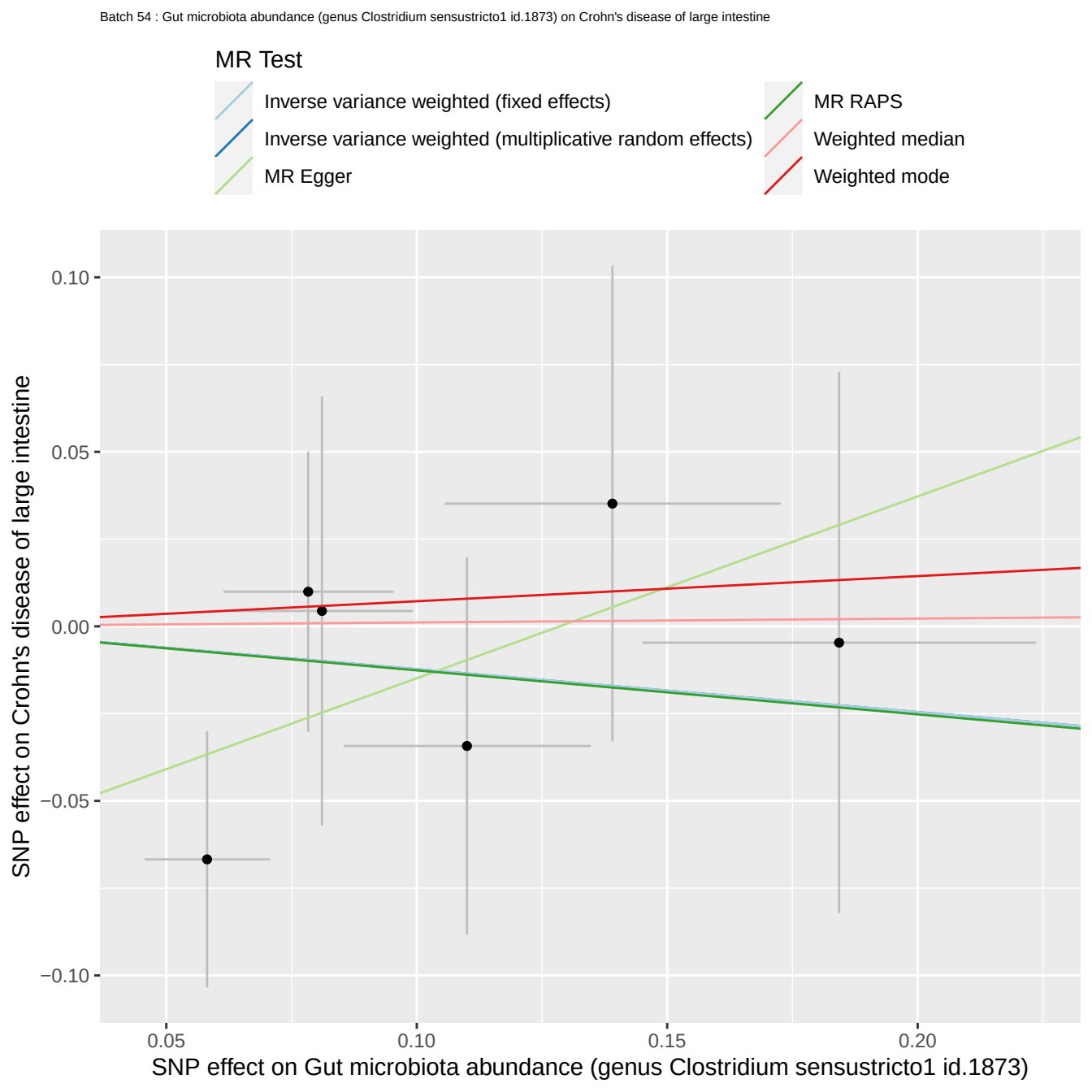


Batch 52 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Crohn's disease of large intestine

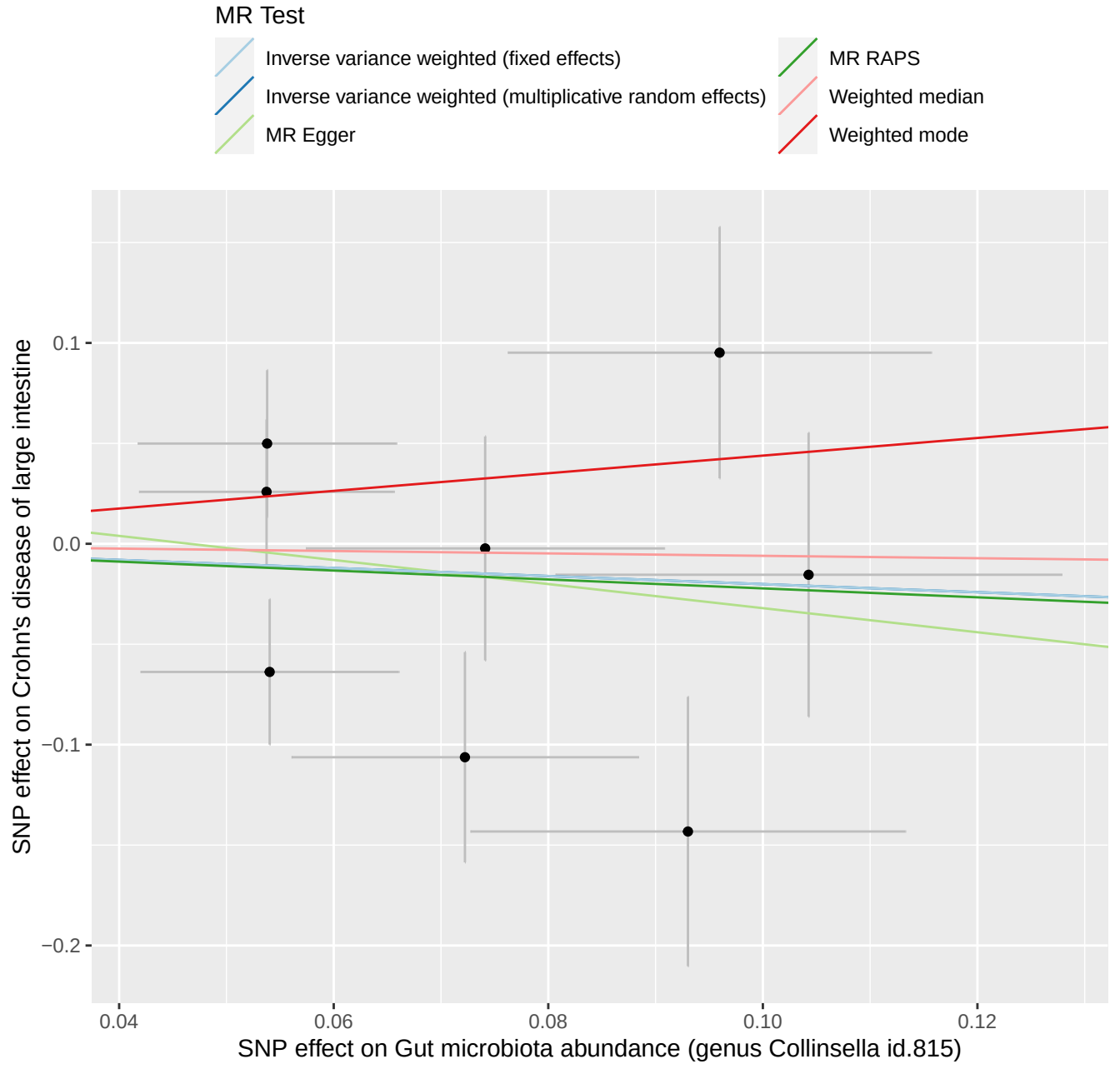


Batch 53 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Crohn's disease of large intestine

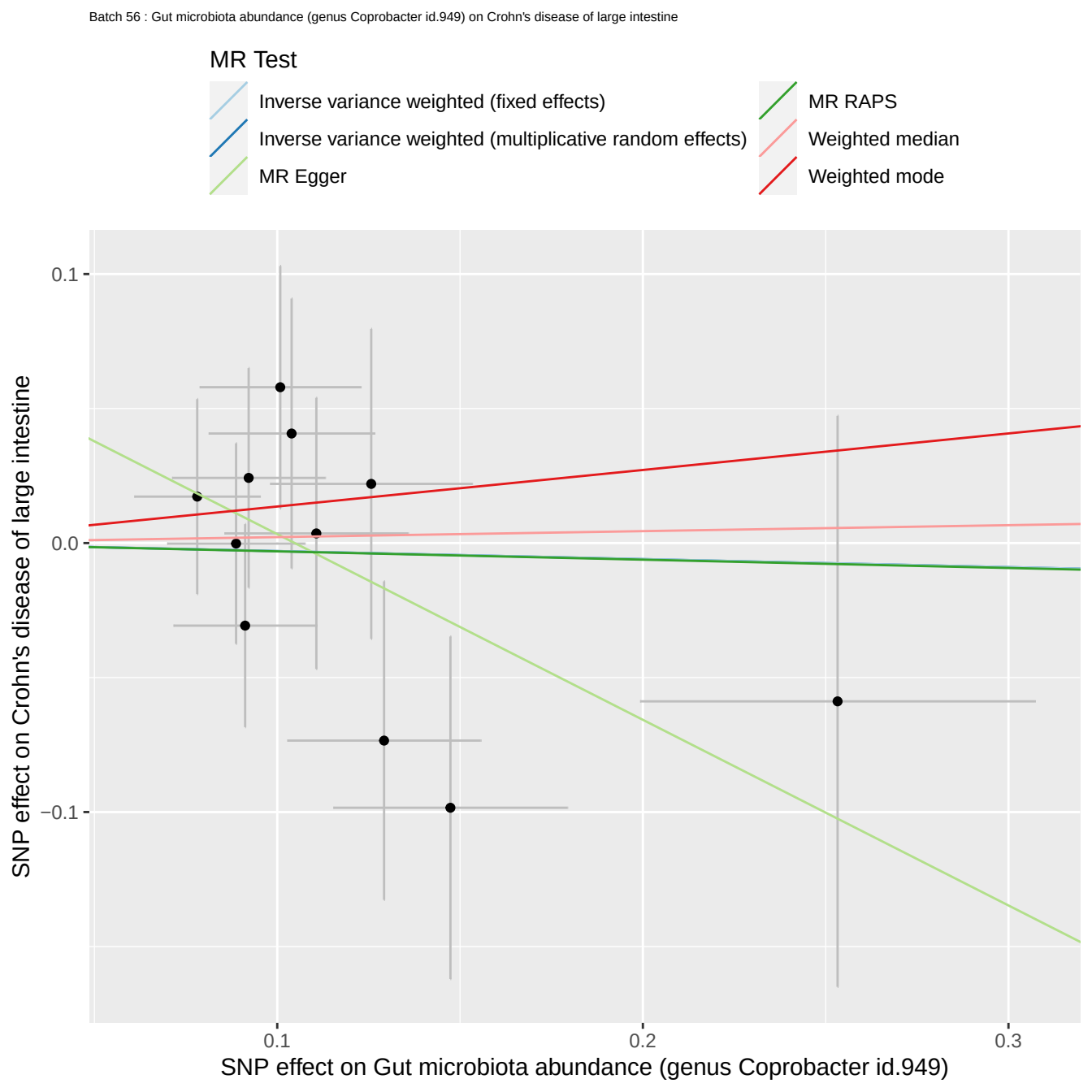


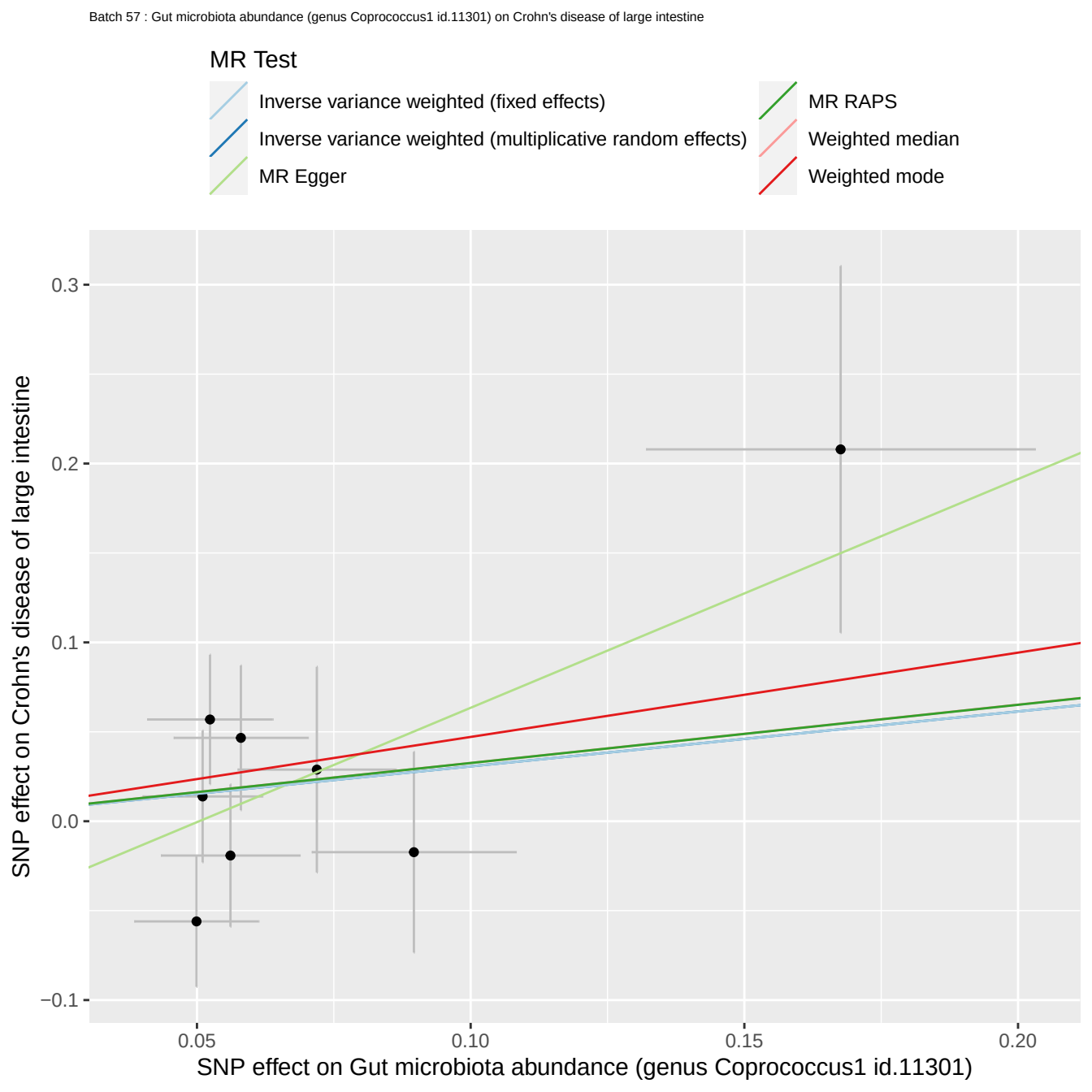

Batch 54 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of large intestine
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

Batch 55 : Gut microbiota abundance (genus Collinsella id.815) on Crohn's disease of large intestine

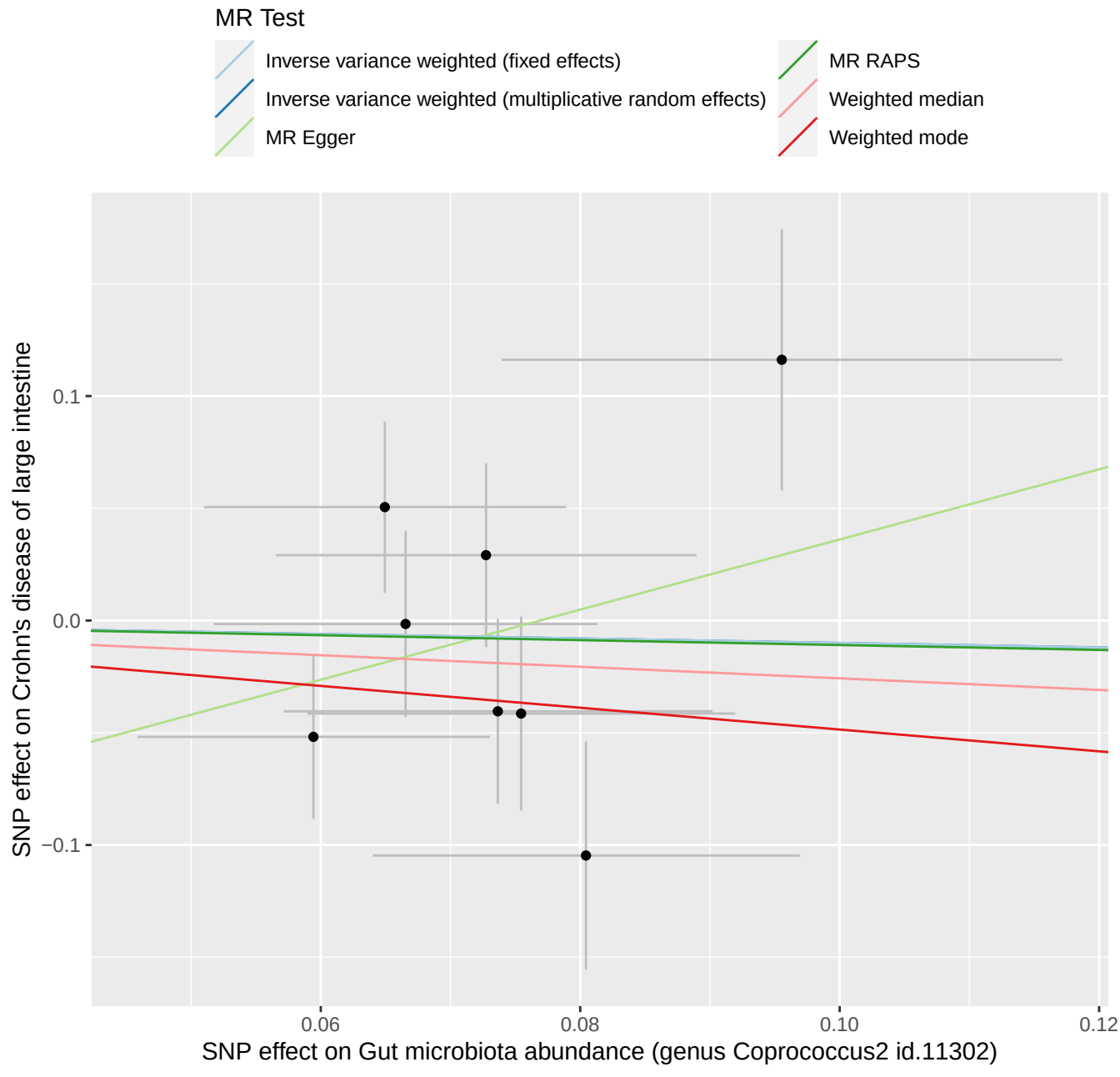


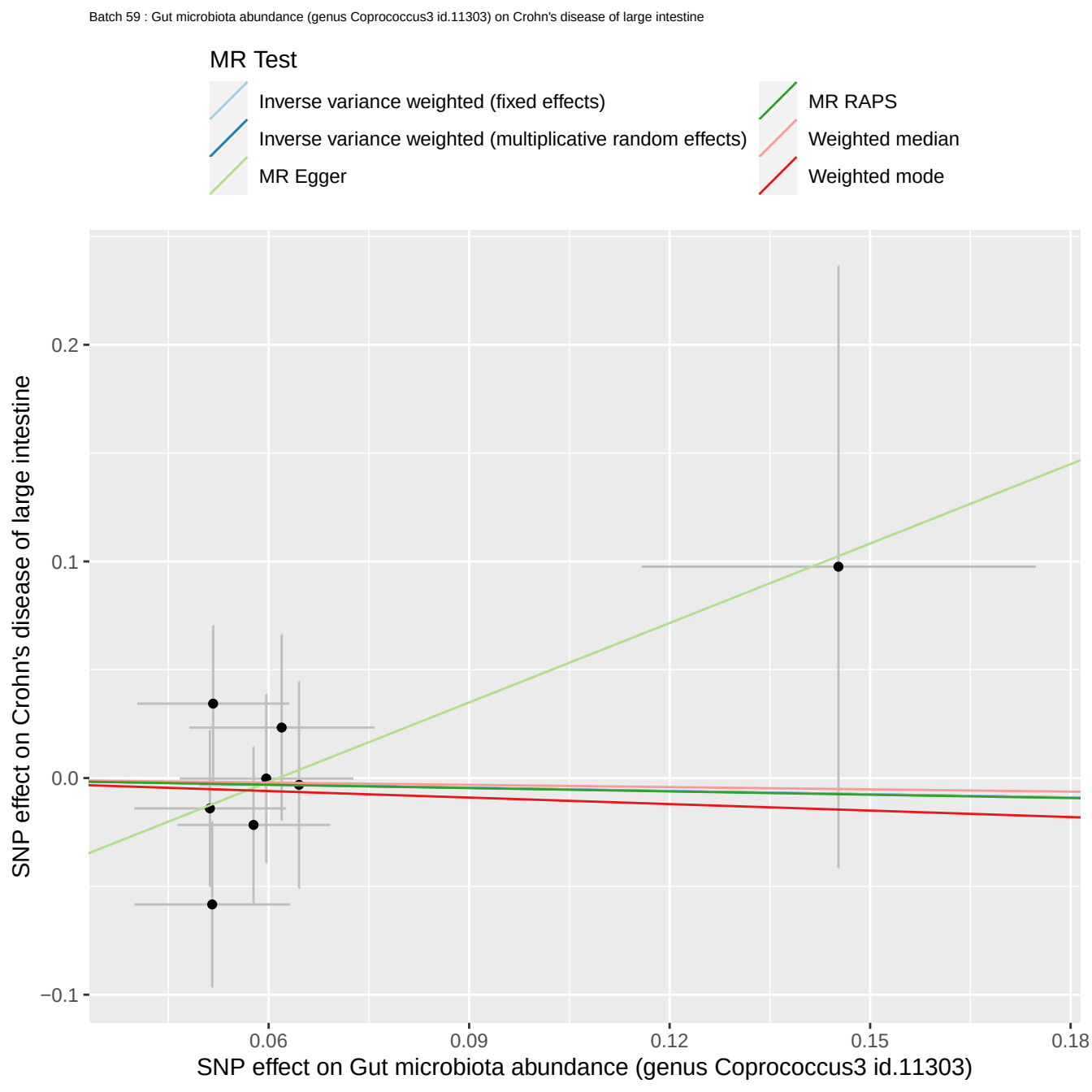
Batch 56 : Gut microbiota abundance (genus Coprobacter id.949) on Crohn's disease of large intestine



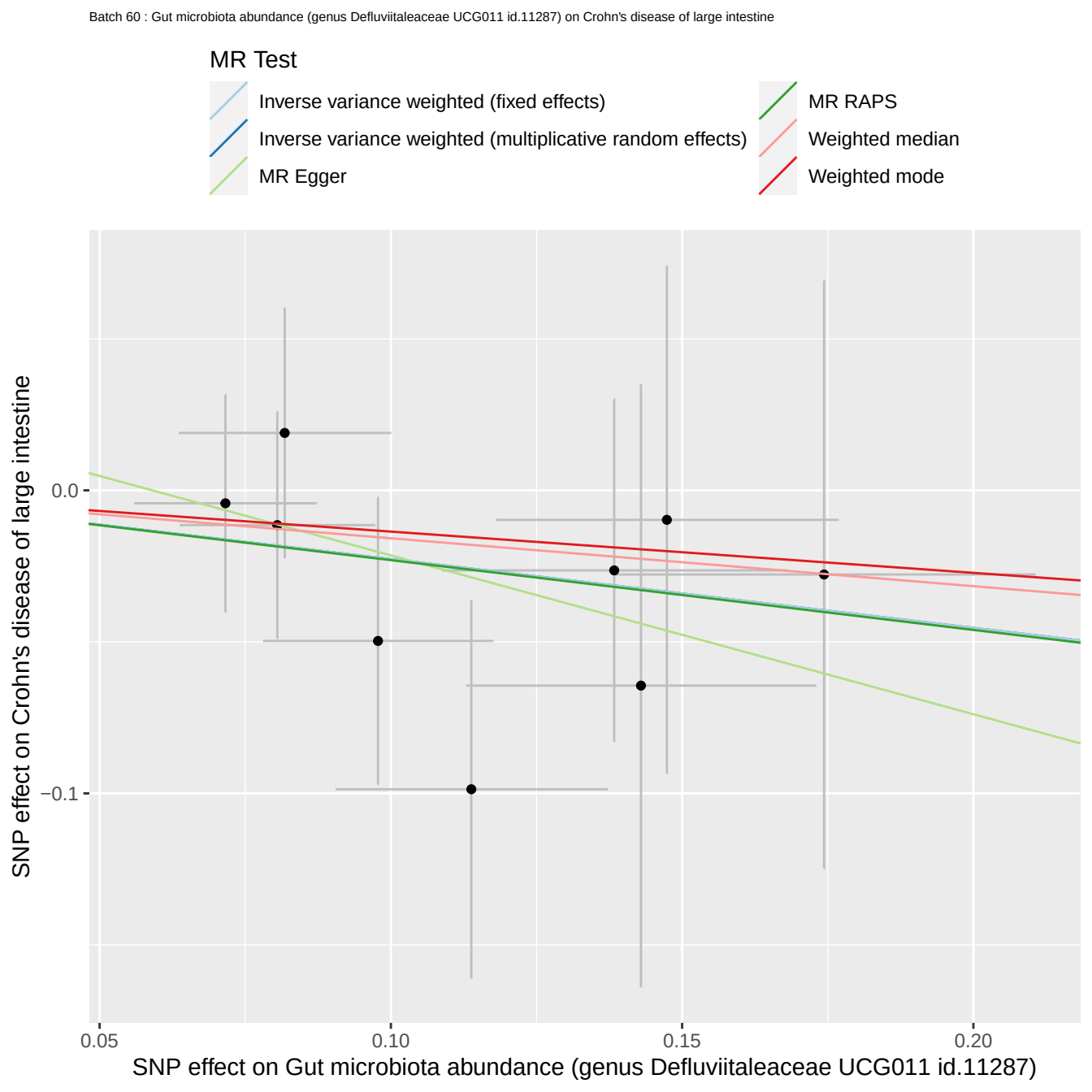

Batch 57 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

Batch 58 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Crohn's disease of large intestine

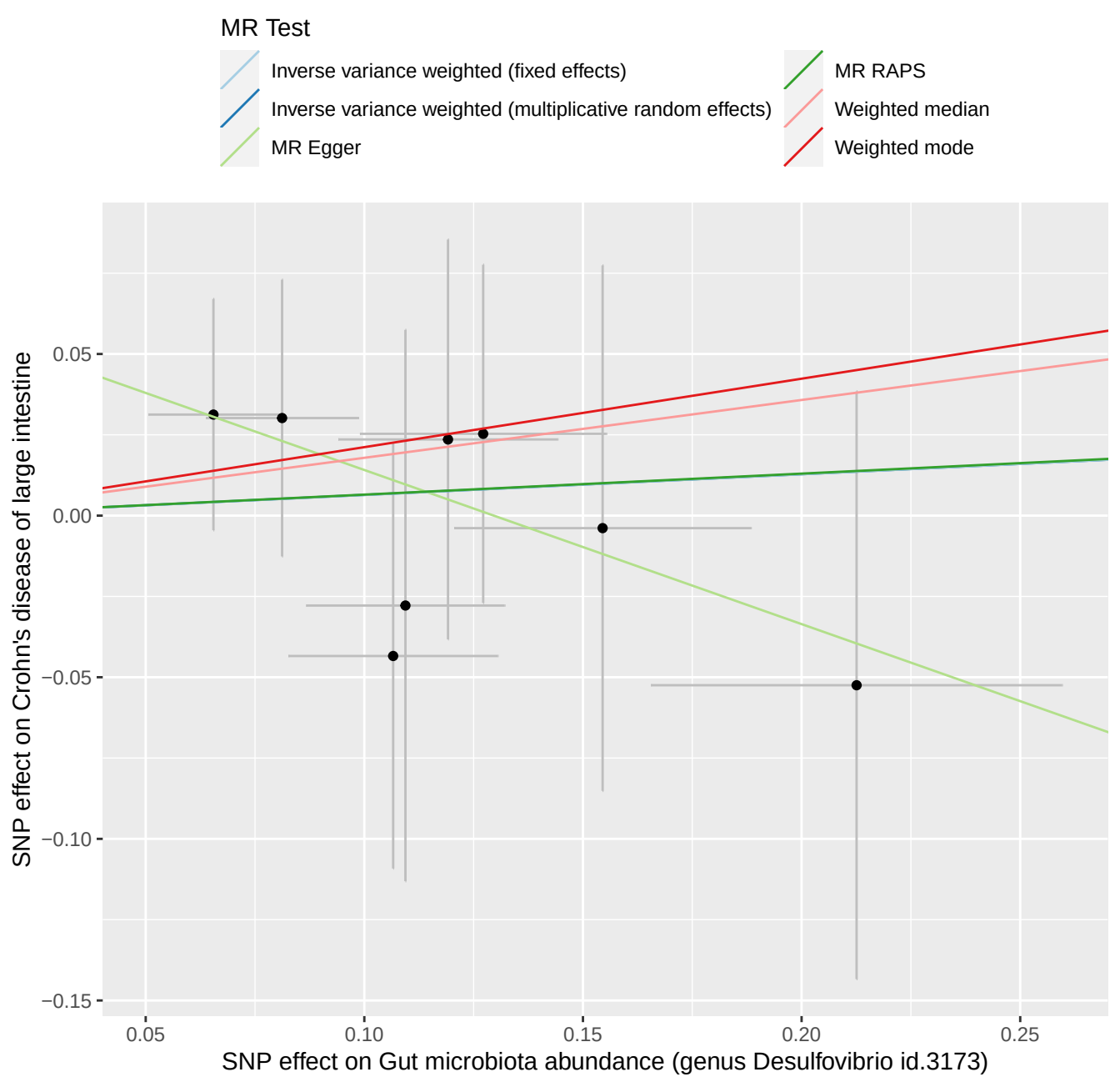


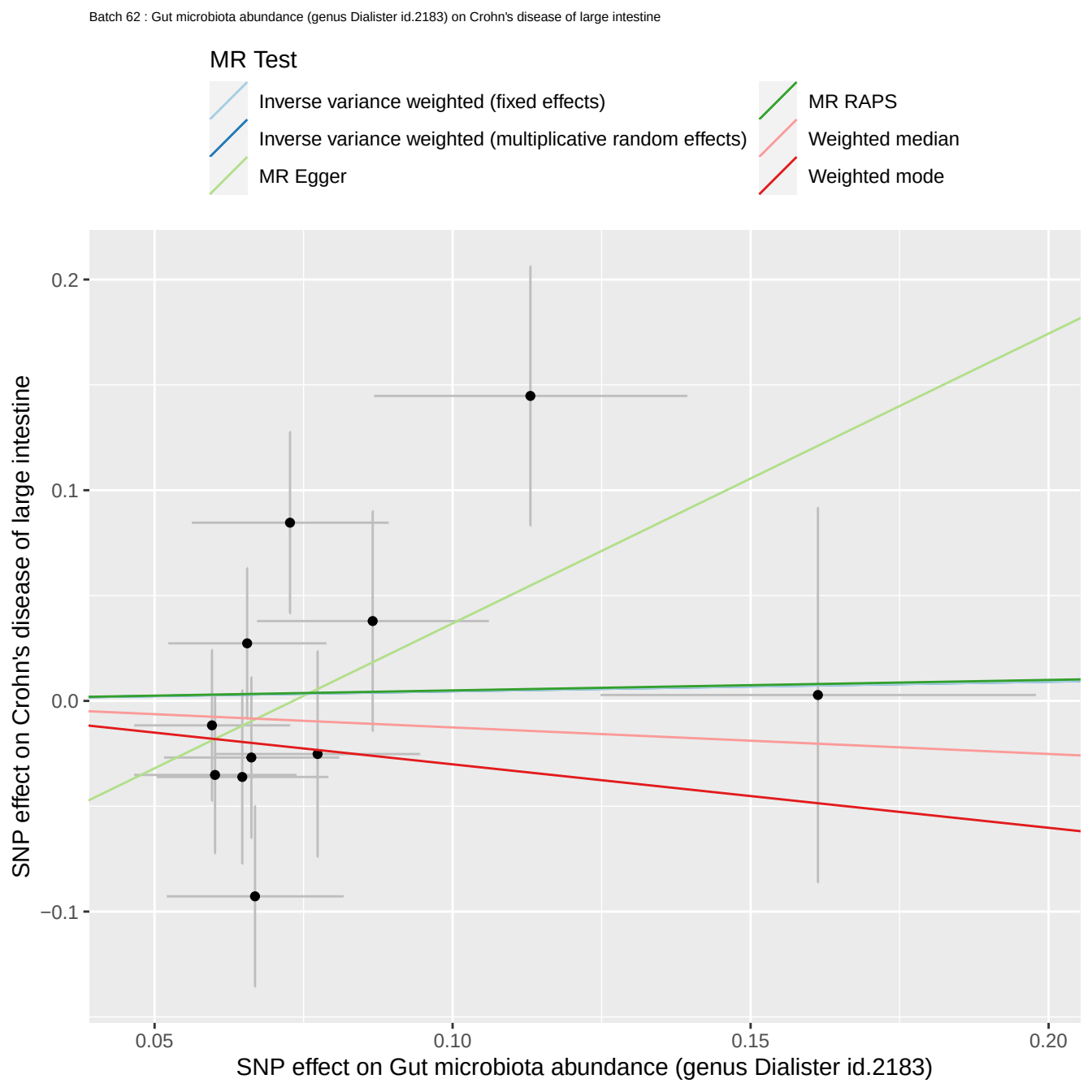

Batch 59 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

Batch 60 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Crohn's disease of large intestine

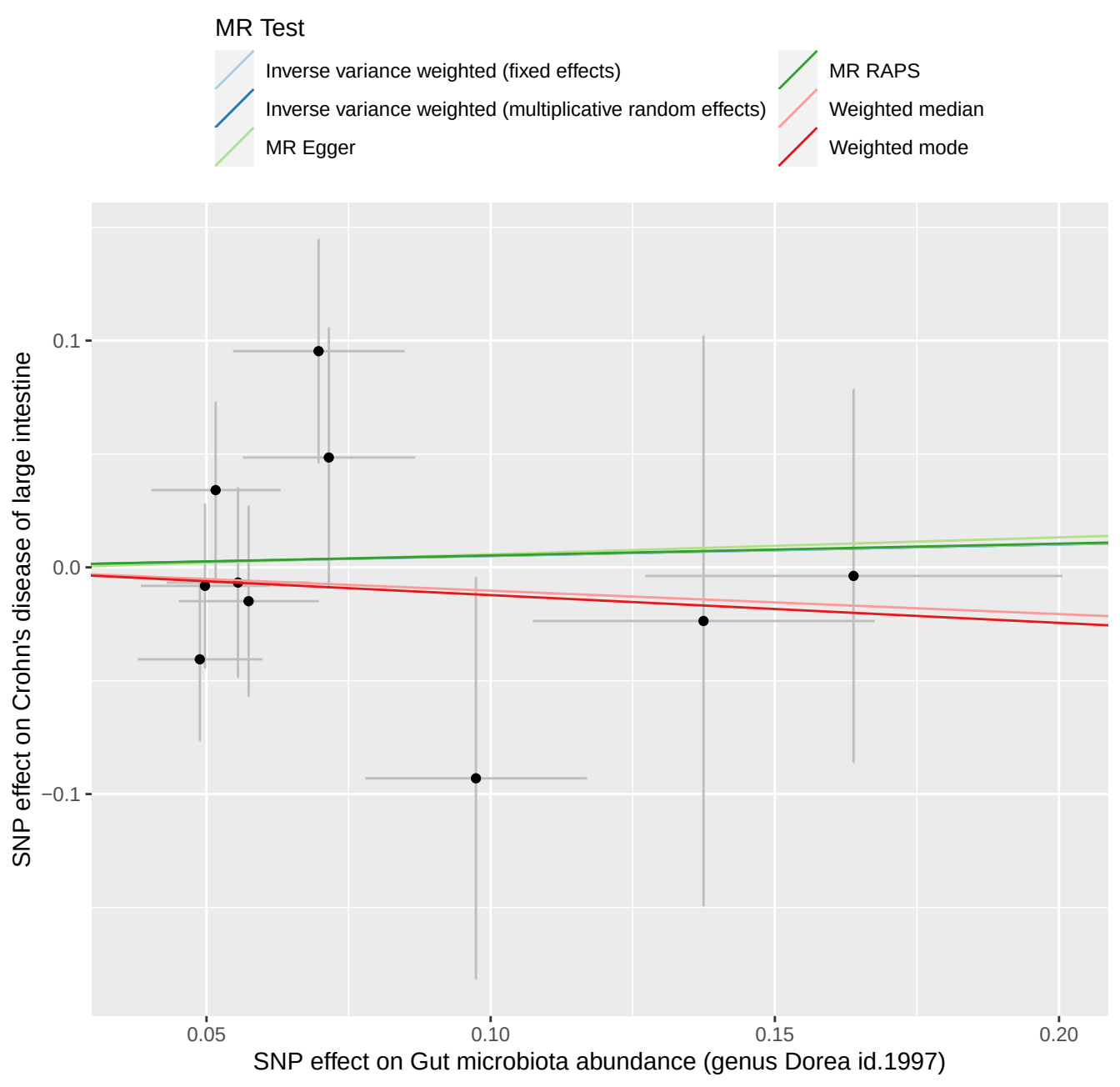


Batch 61 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Crohn's disease of large intestine

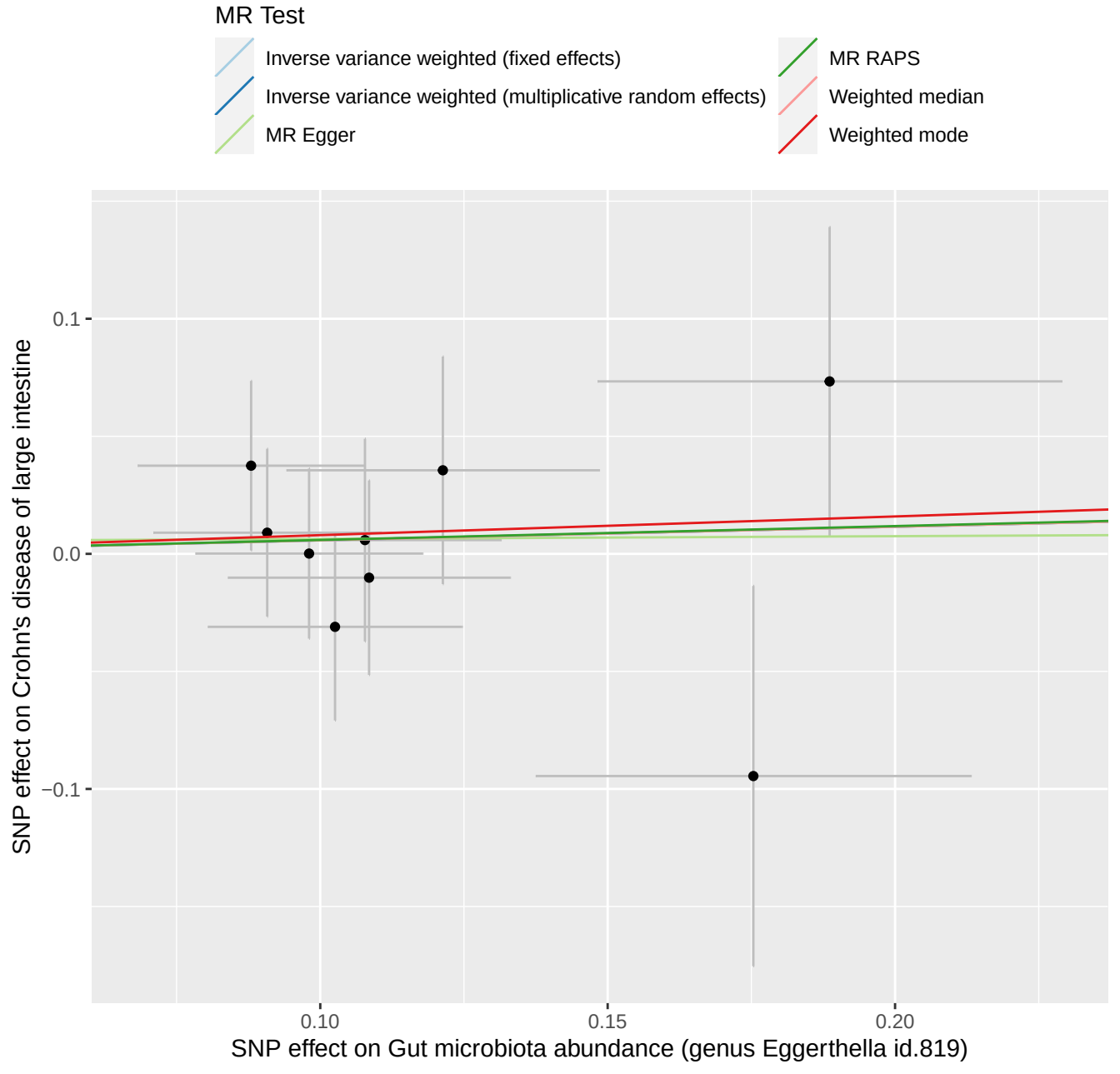



Batch 62 : Gut microbiota abundance (genus Dialister id.2183) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)

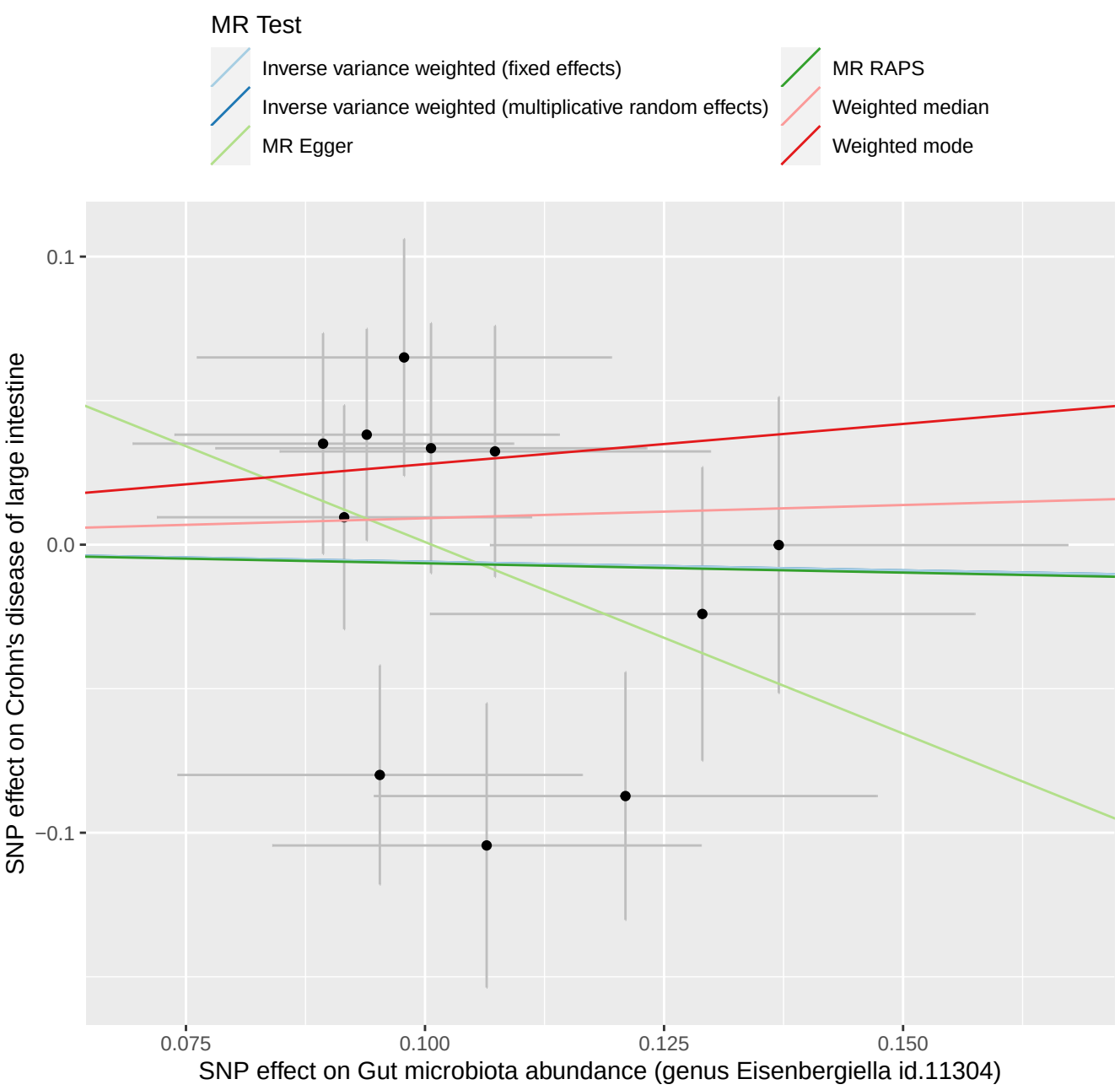
Batch 63 : Gut microbiota abundance (genus Dorea id.1997) on Crohn's disease of large intestine



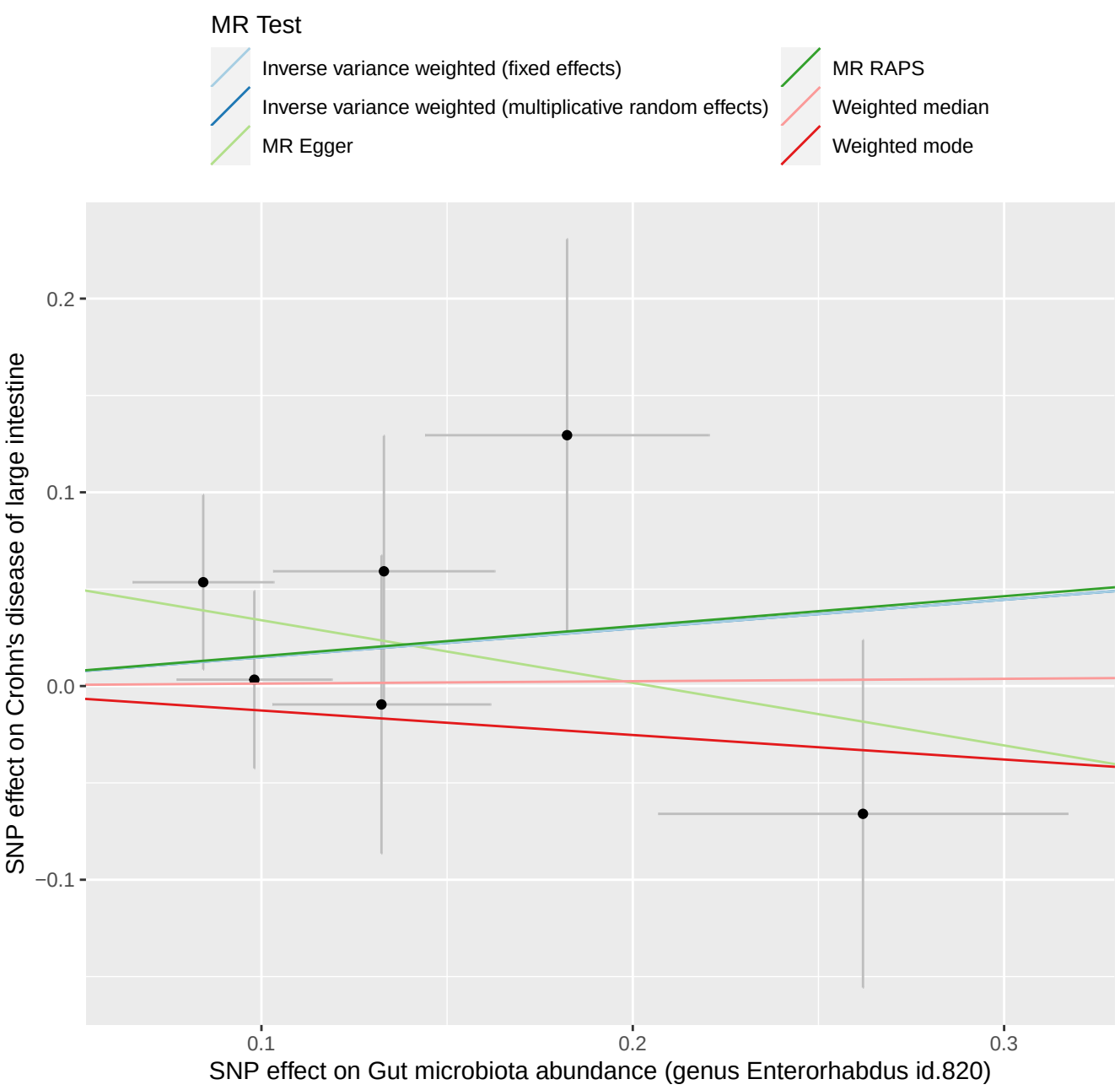
Batch 64 : Gut microbiota abundance (genus Eggerthella id.819) on Crohn's disease of large intestine

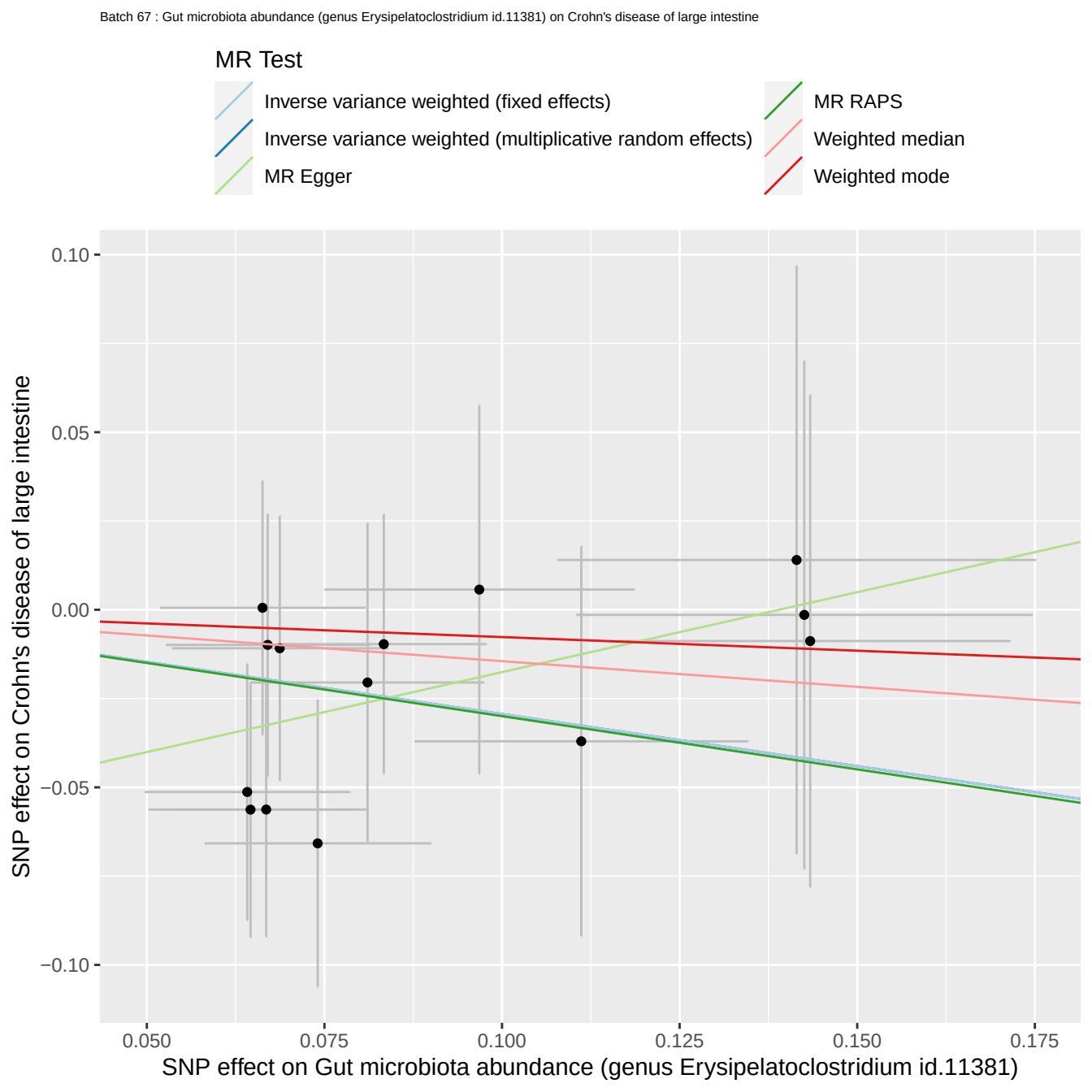


Batch 65 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Crohn's disease of large intestine

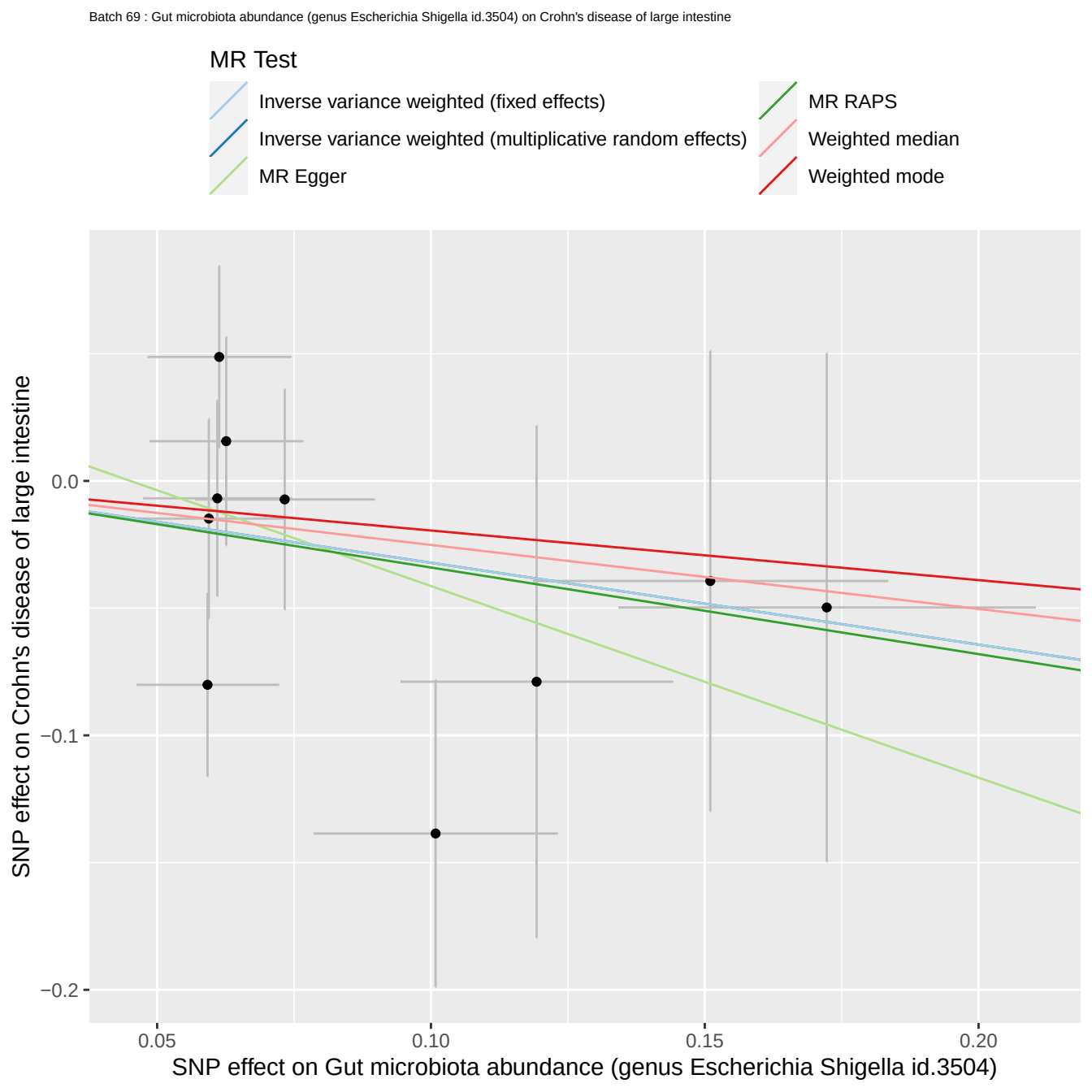


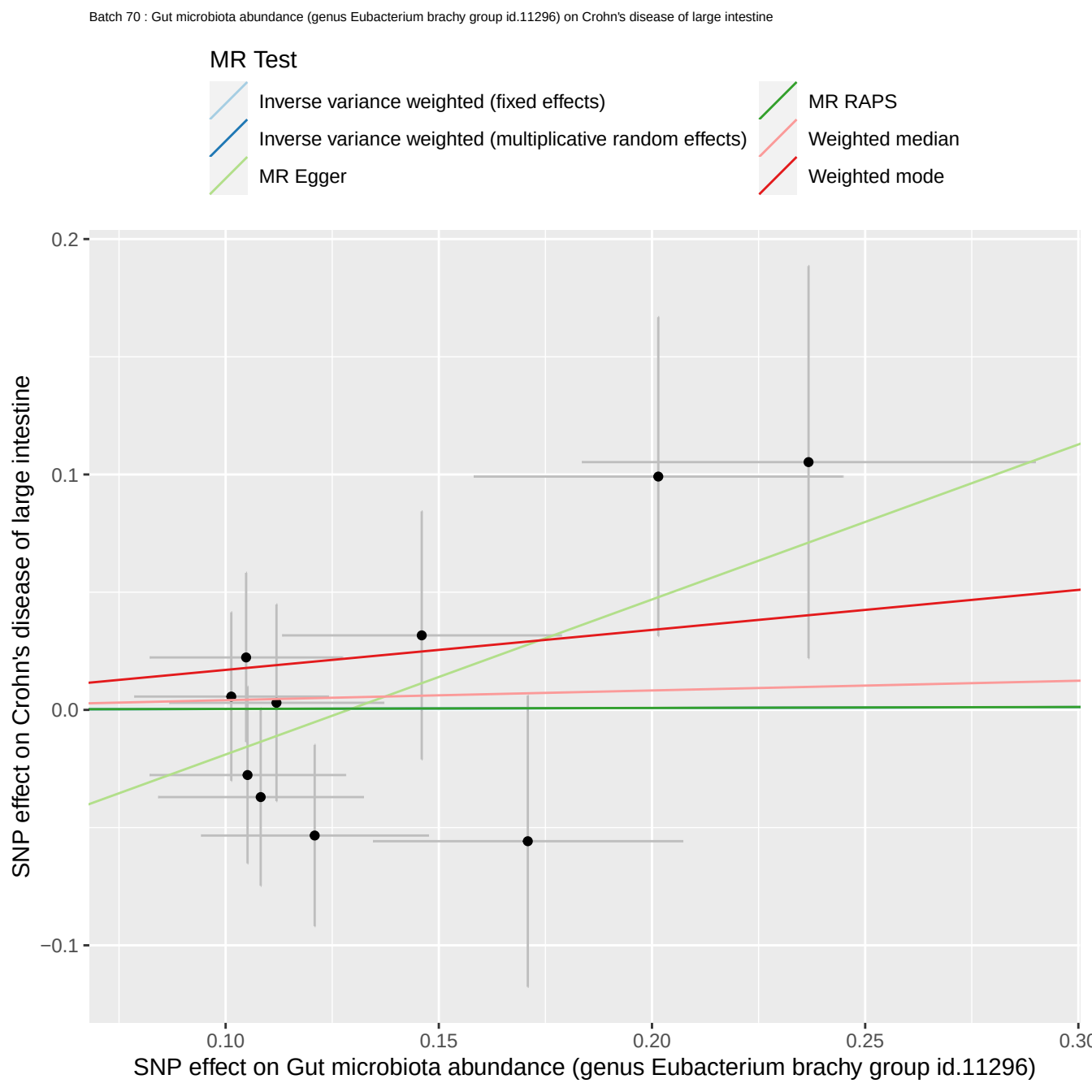
Batch 66 : Gut microbiota abundance (genus Enterorhabdus id.820) on Crohn's disease of large intestine



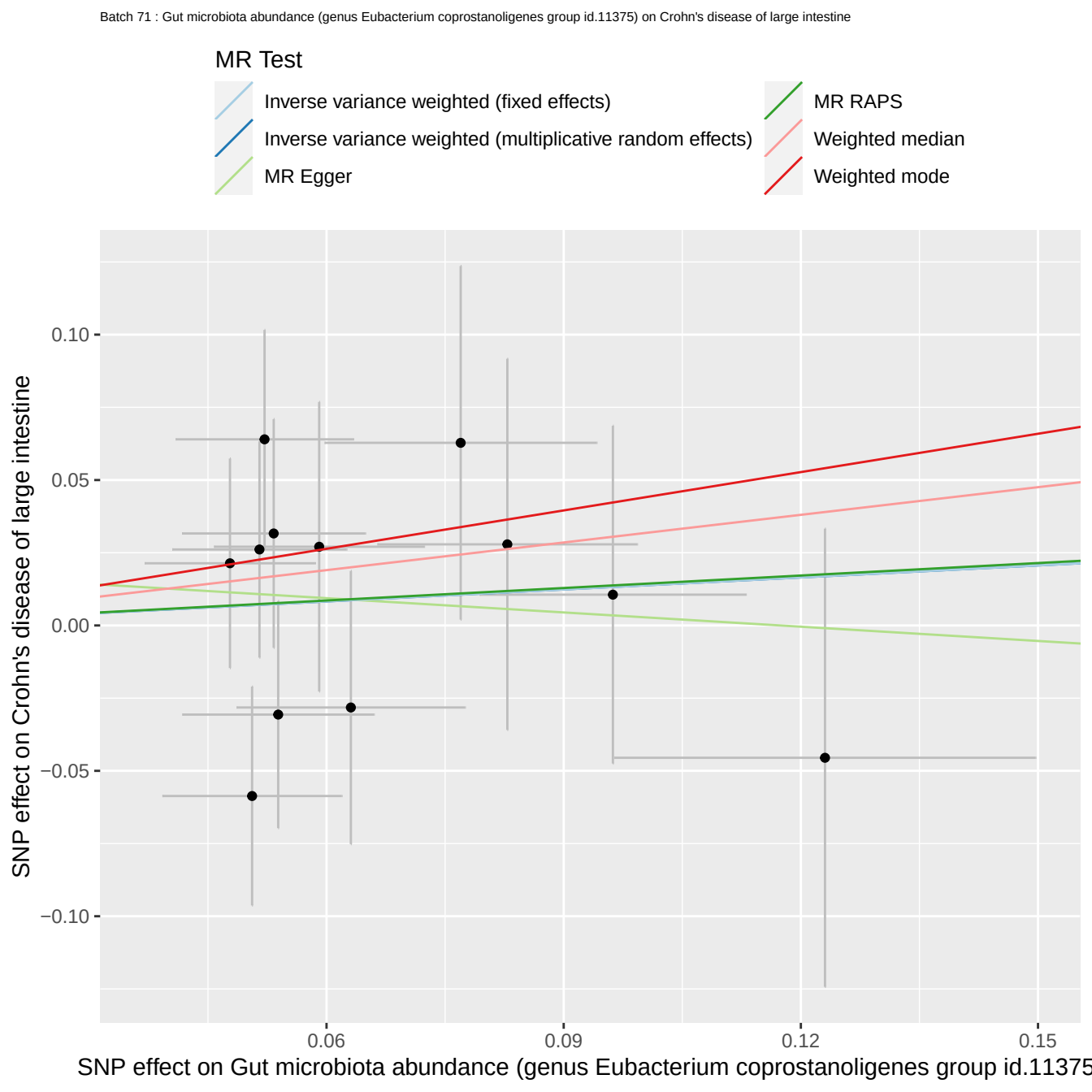

Batch 67 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

Insufficient number of SNPs

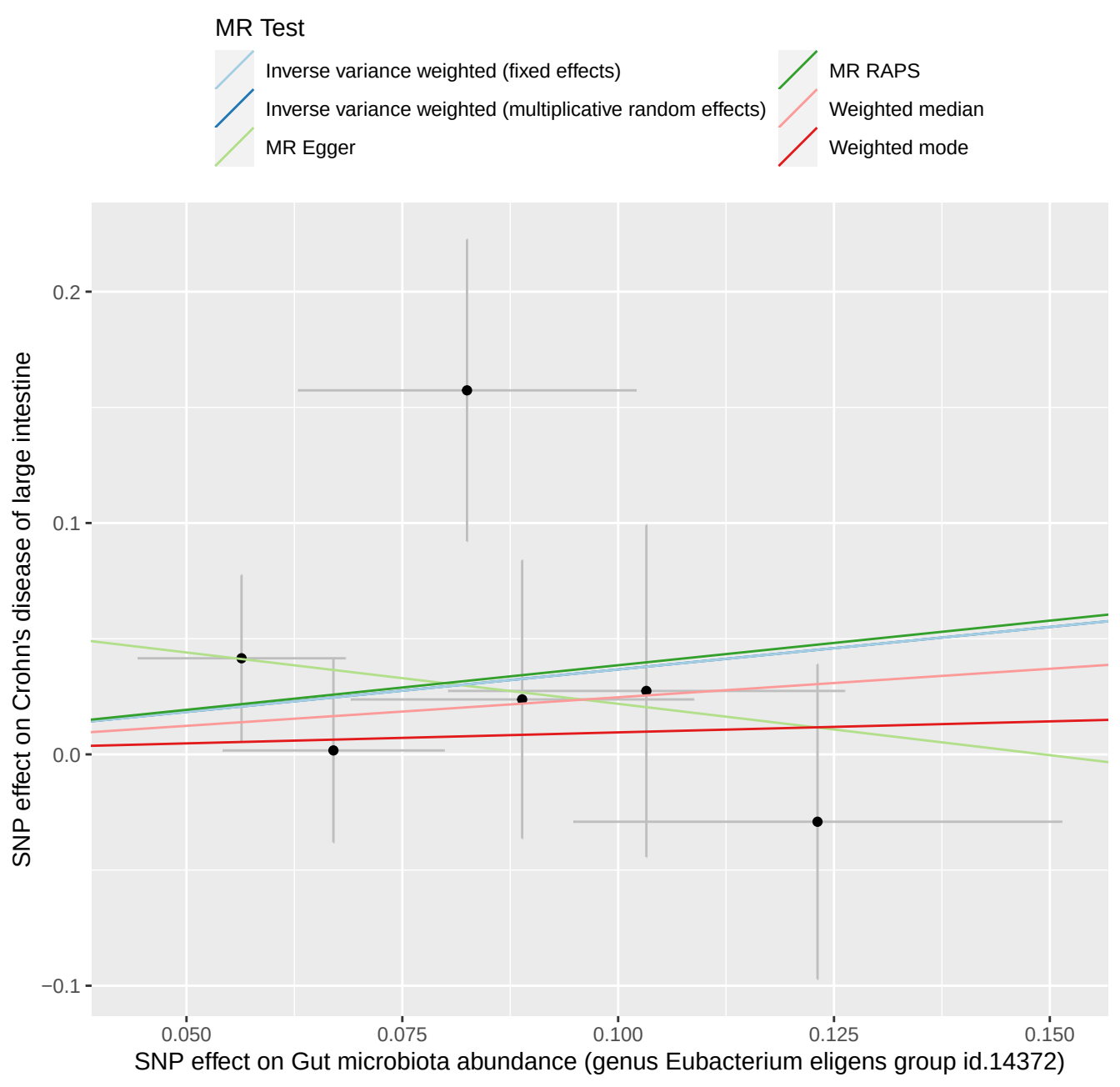

Batch 69 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)


Batch 70 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

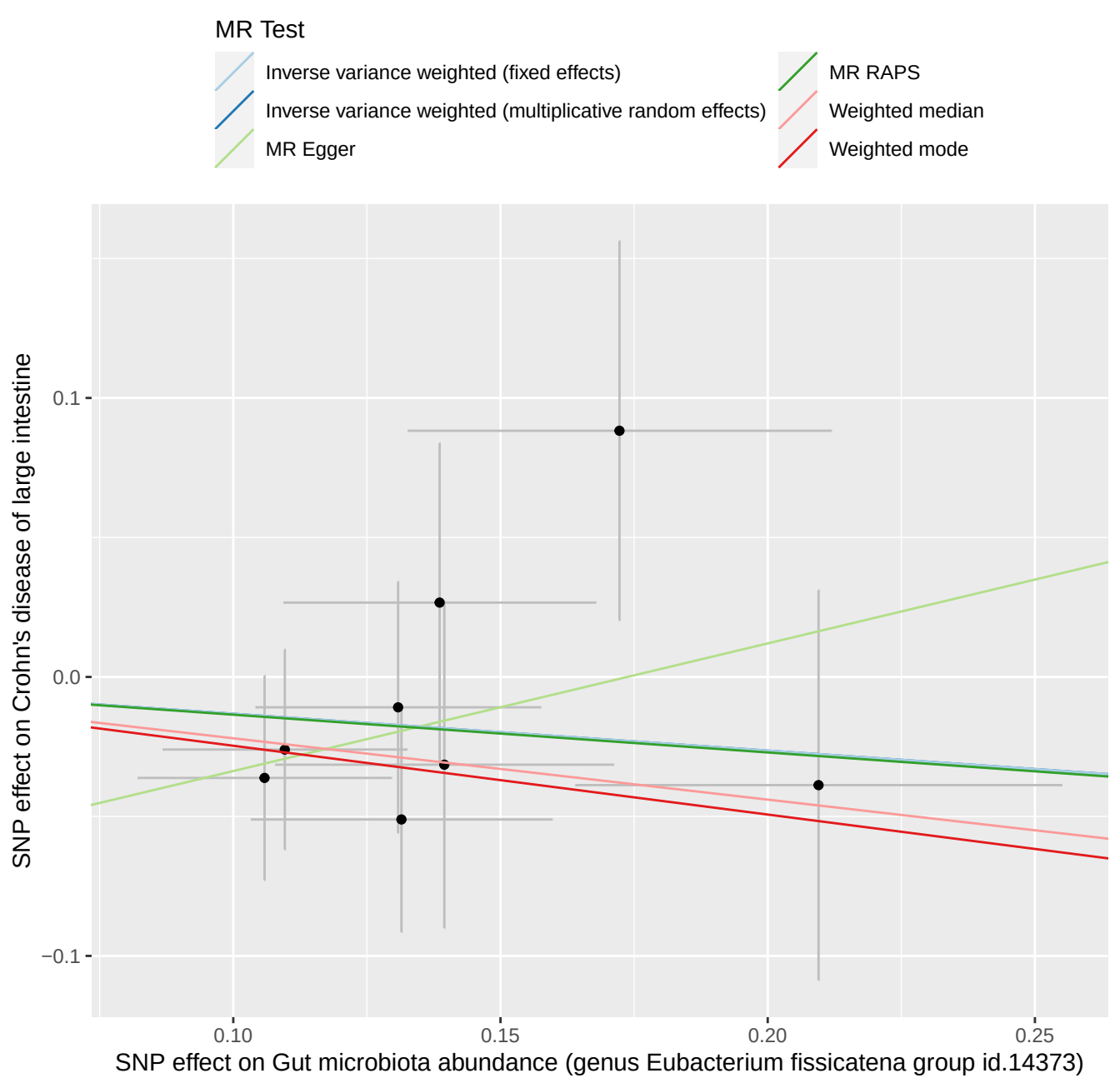
Batch 71 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Crohn's disease of large intestine



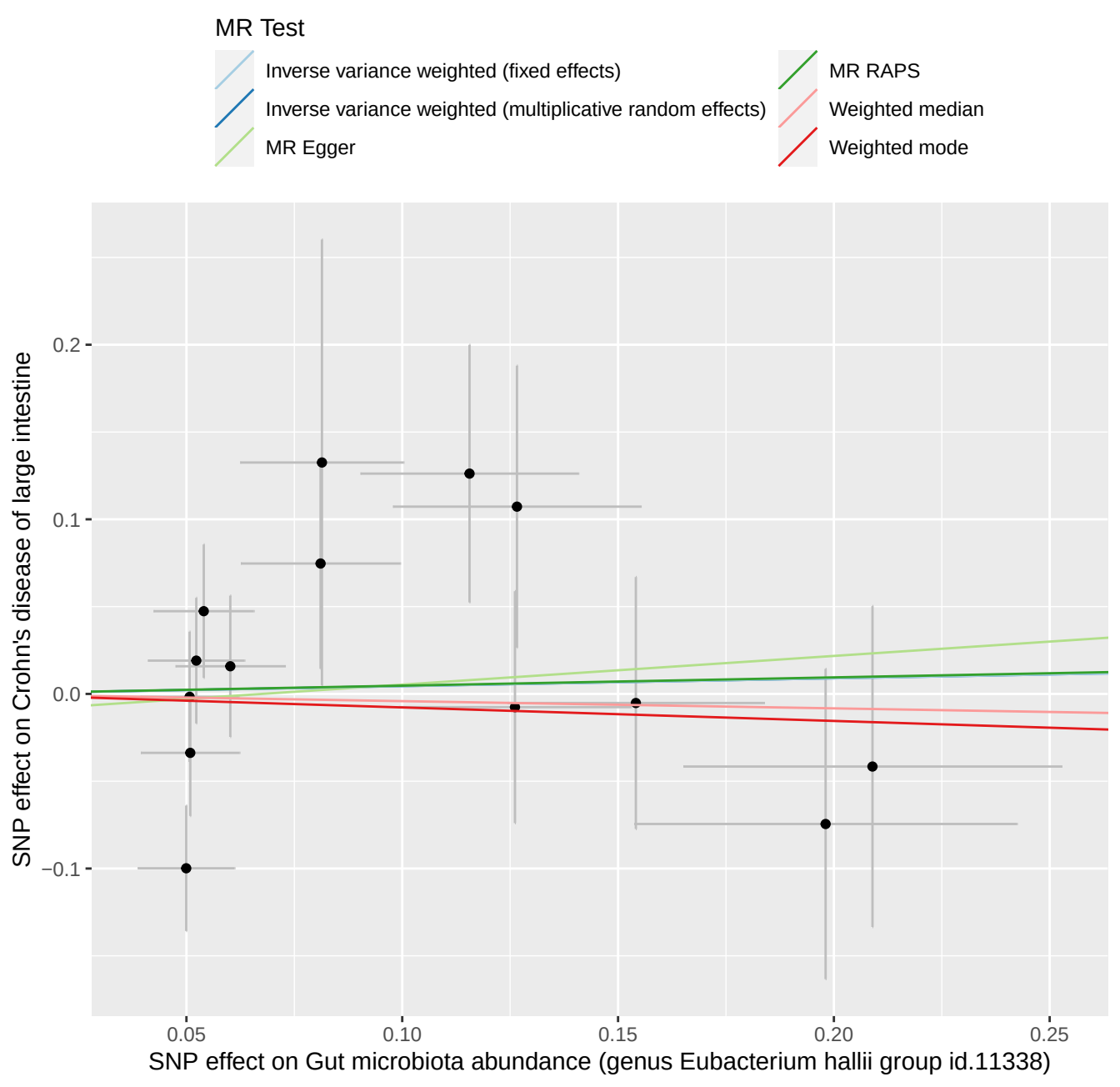
Batch 72 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Crohn's disease of large intestine



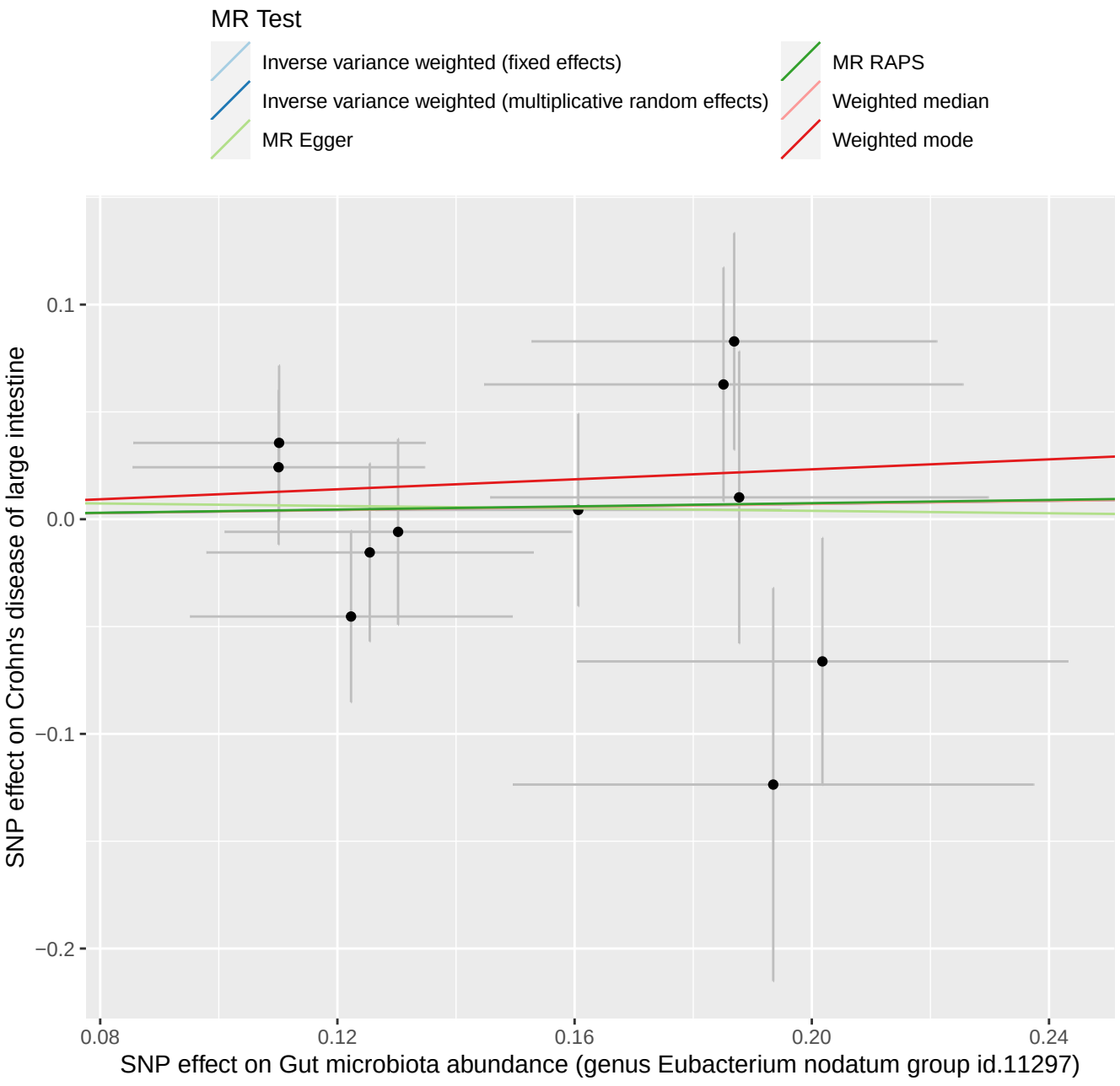
Batch 73 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Crohn's disease of large intestine



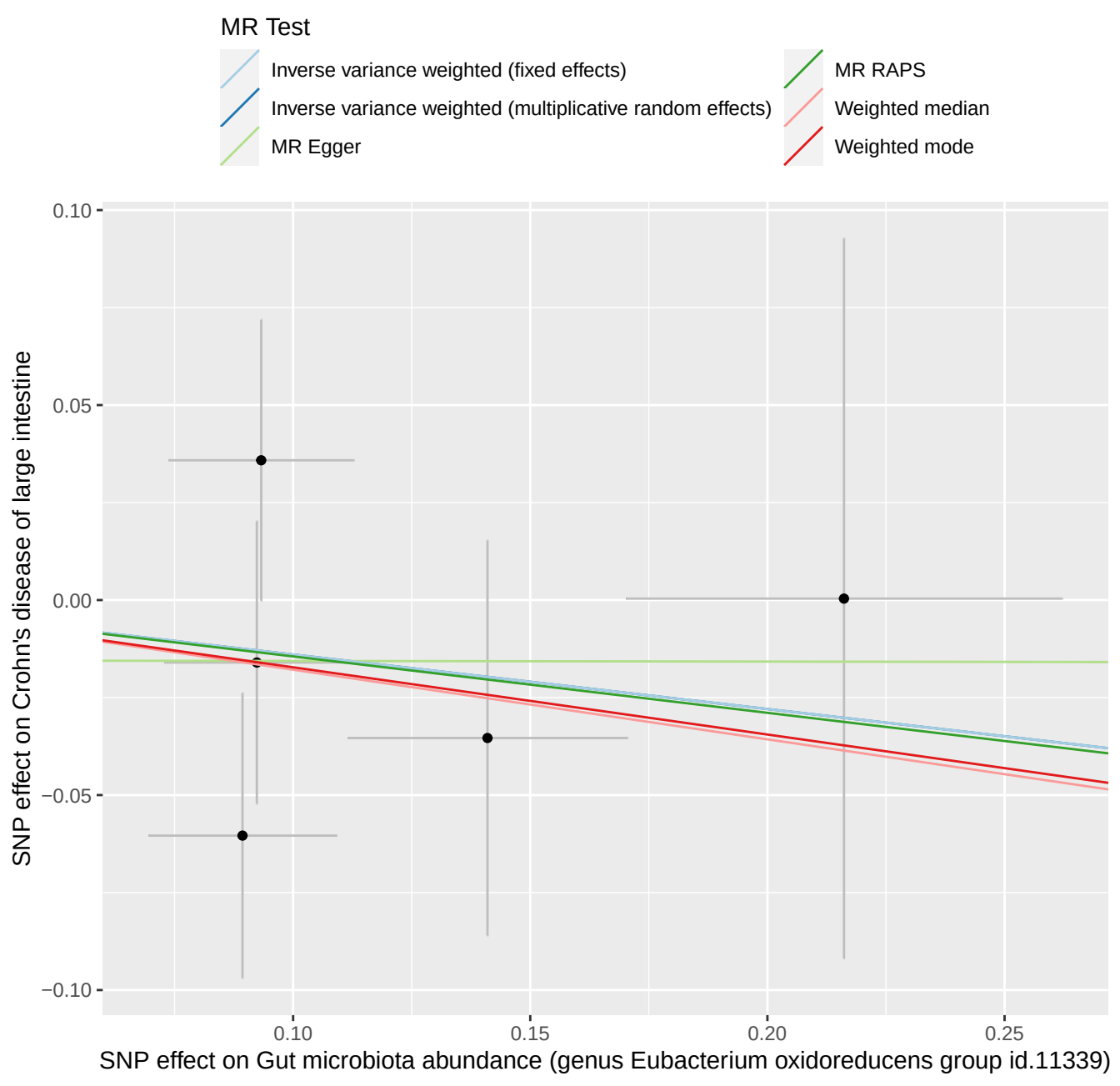
Batch 74 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Crohn's disease of large intestine



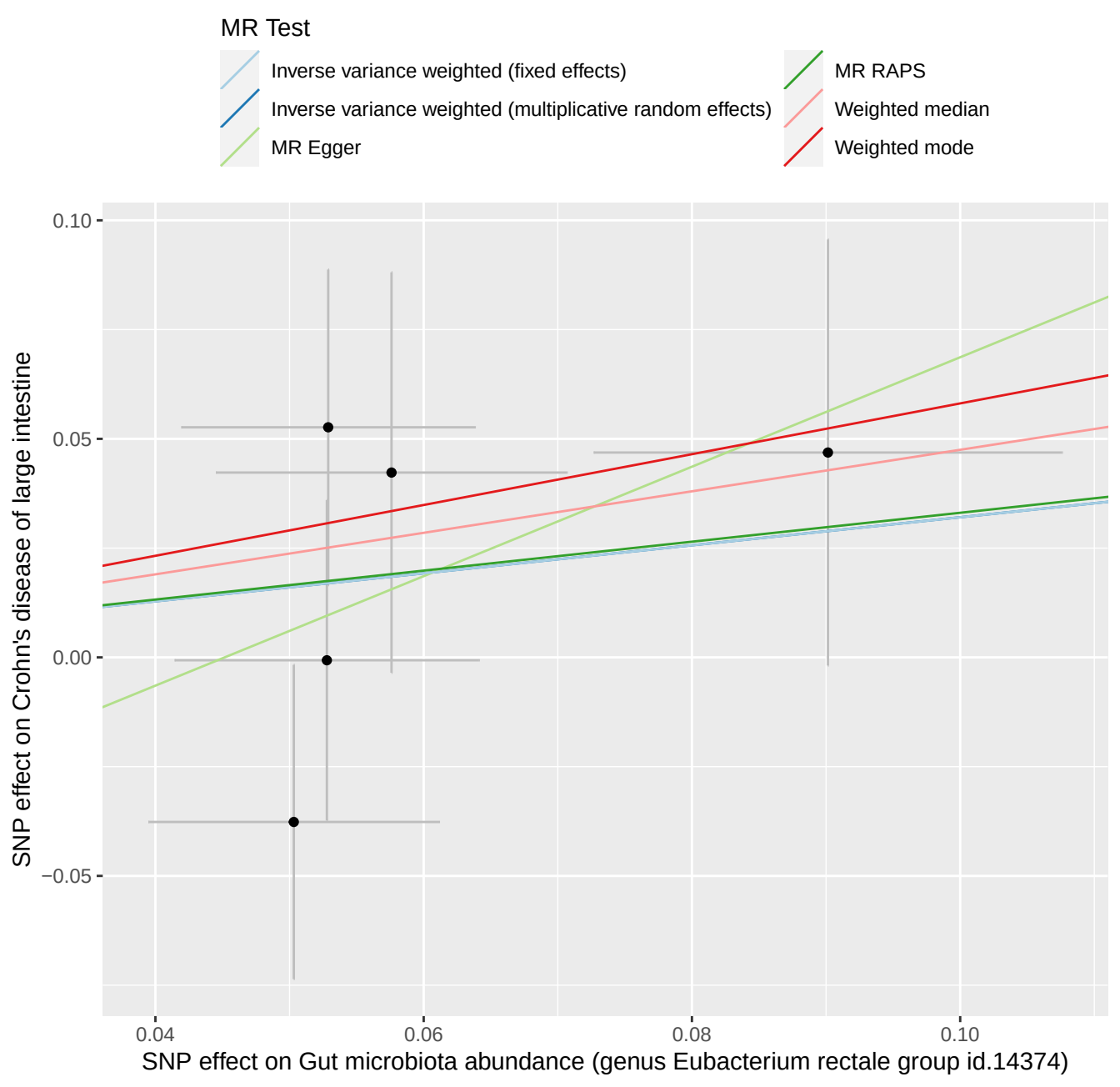
Batch 75 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Crohn's disease of large intestine



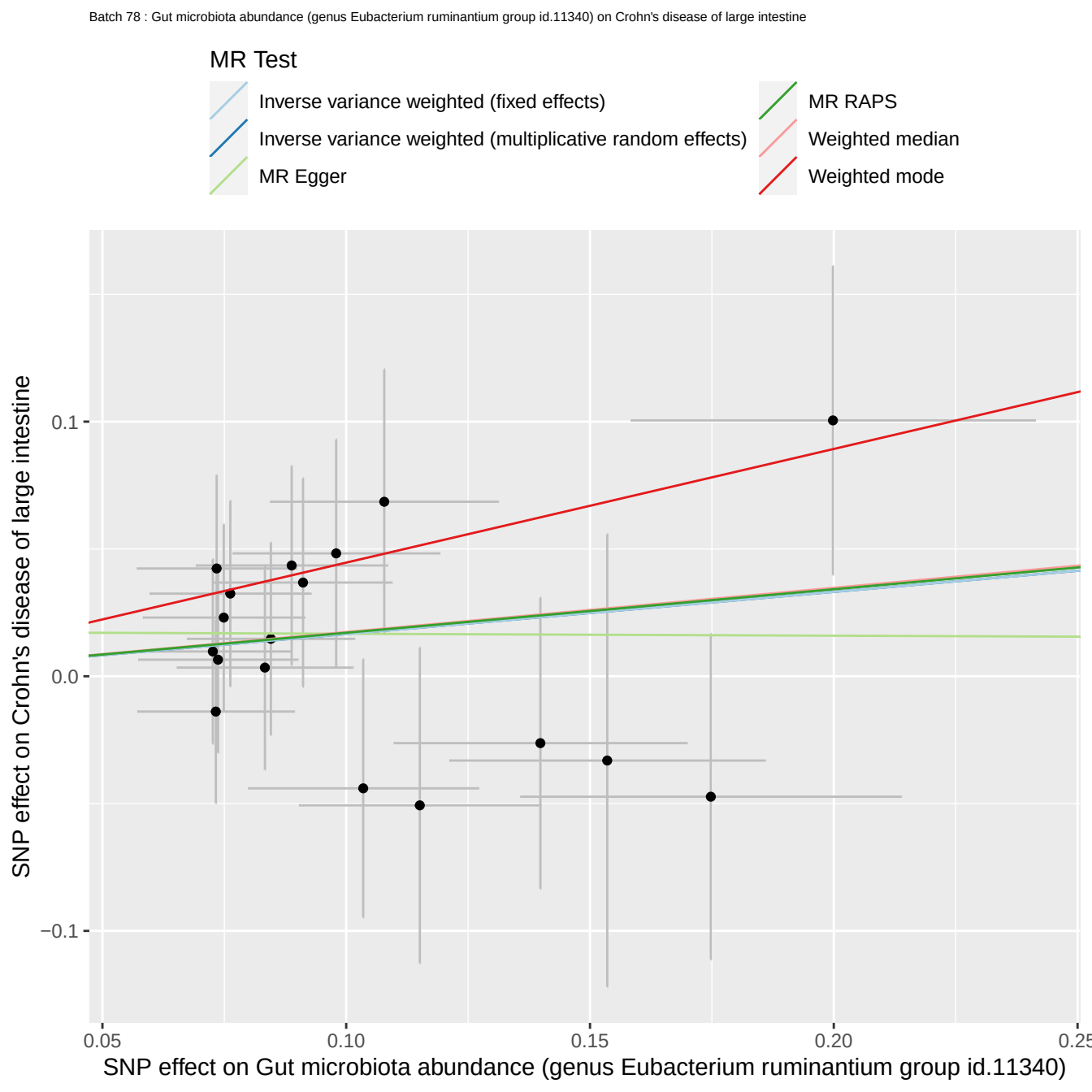
Batch 76 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Crohn's disease of large intestine



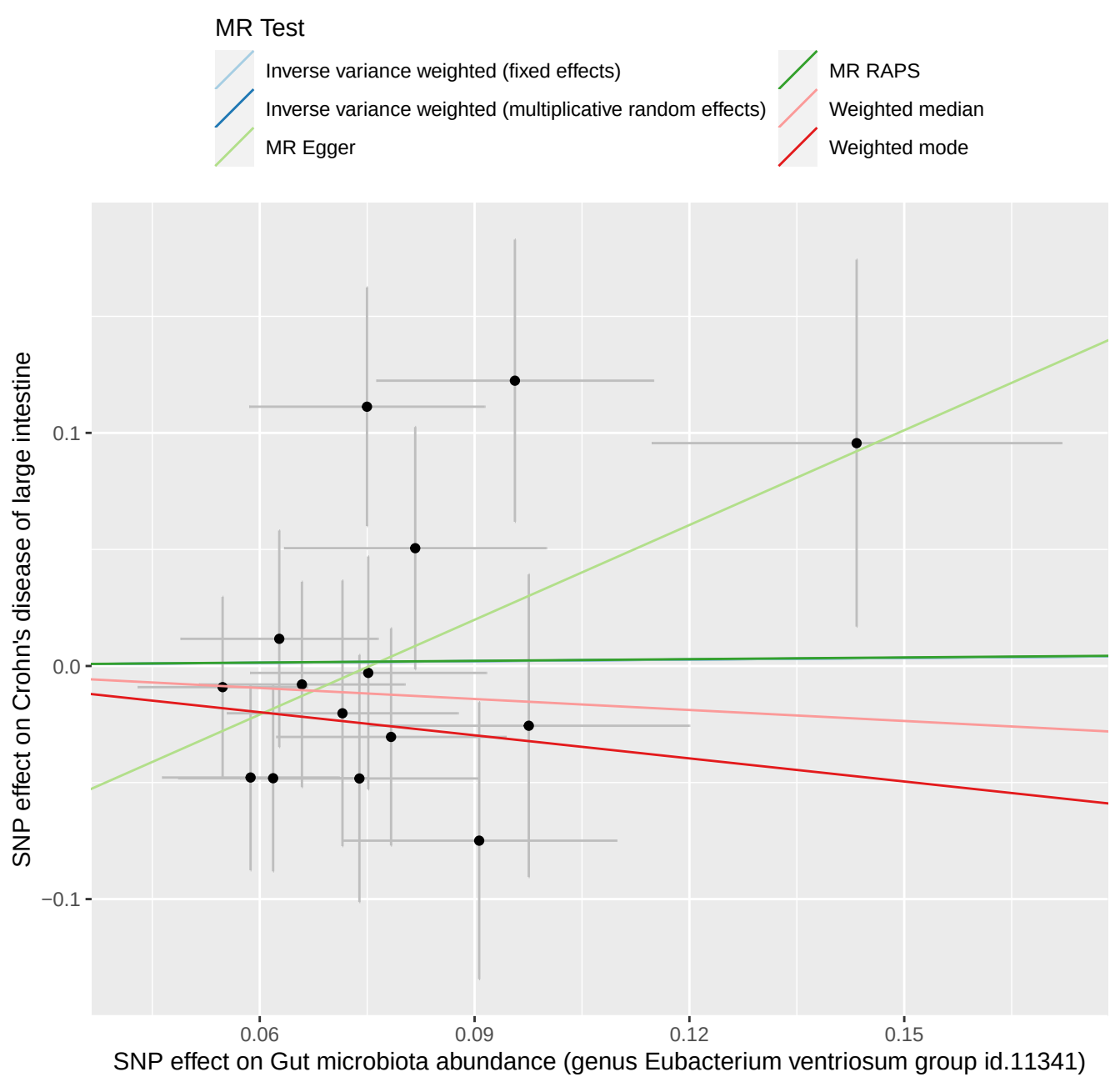
Batch 77 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Crohn's disease of large intestine



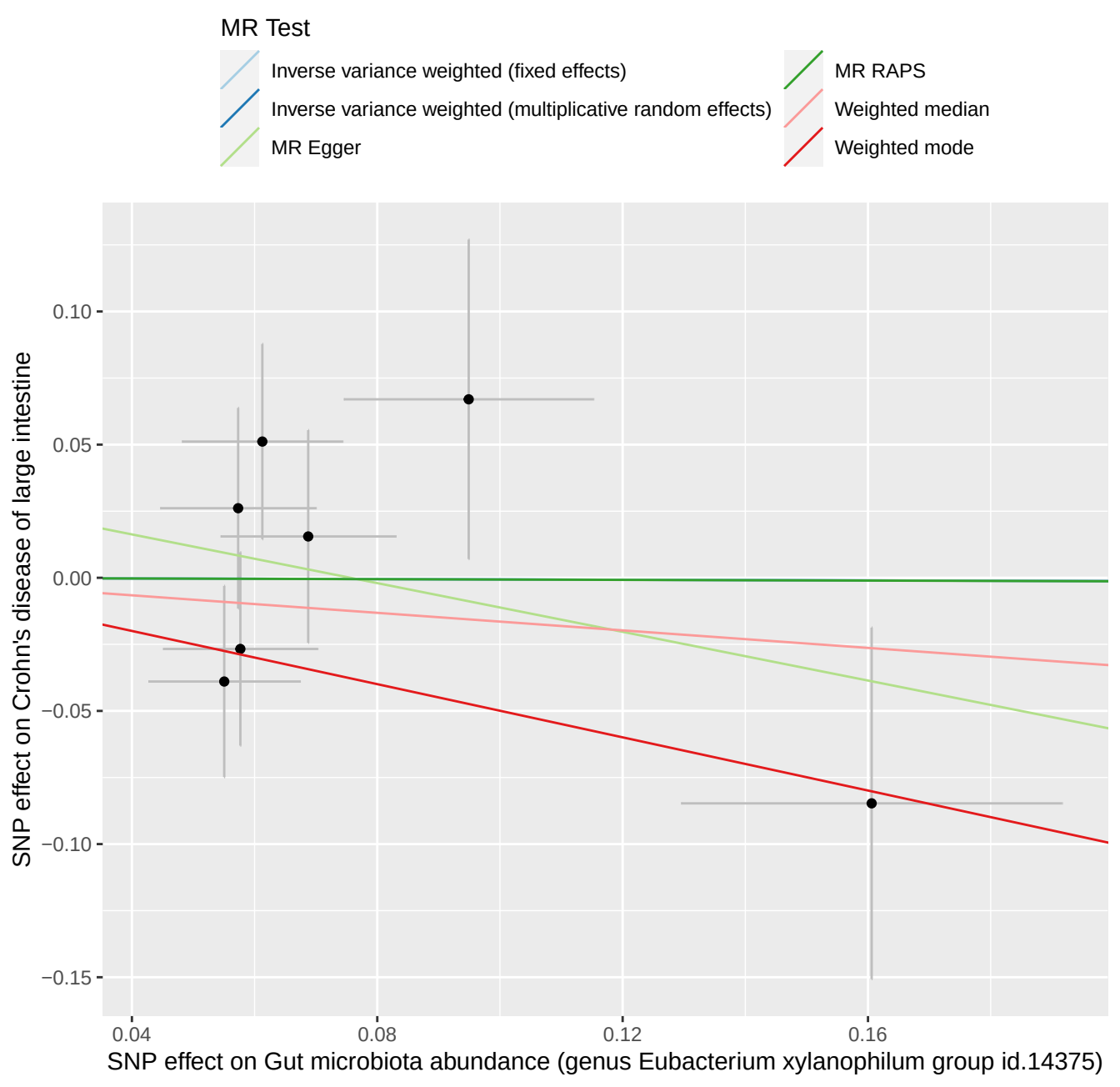
Batch 78 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Crohn's disease of large intestine



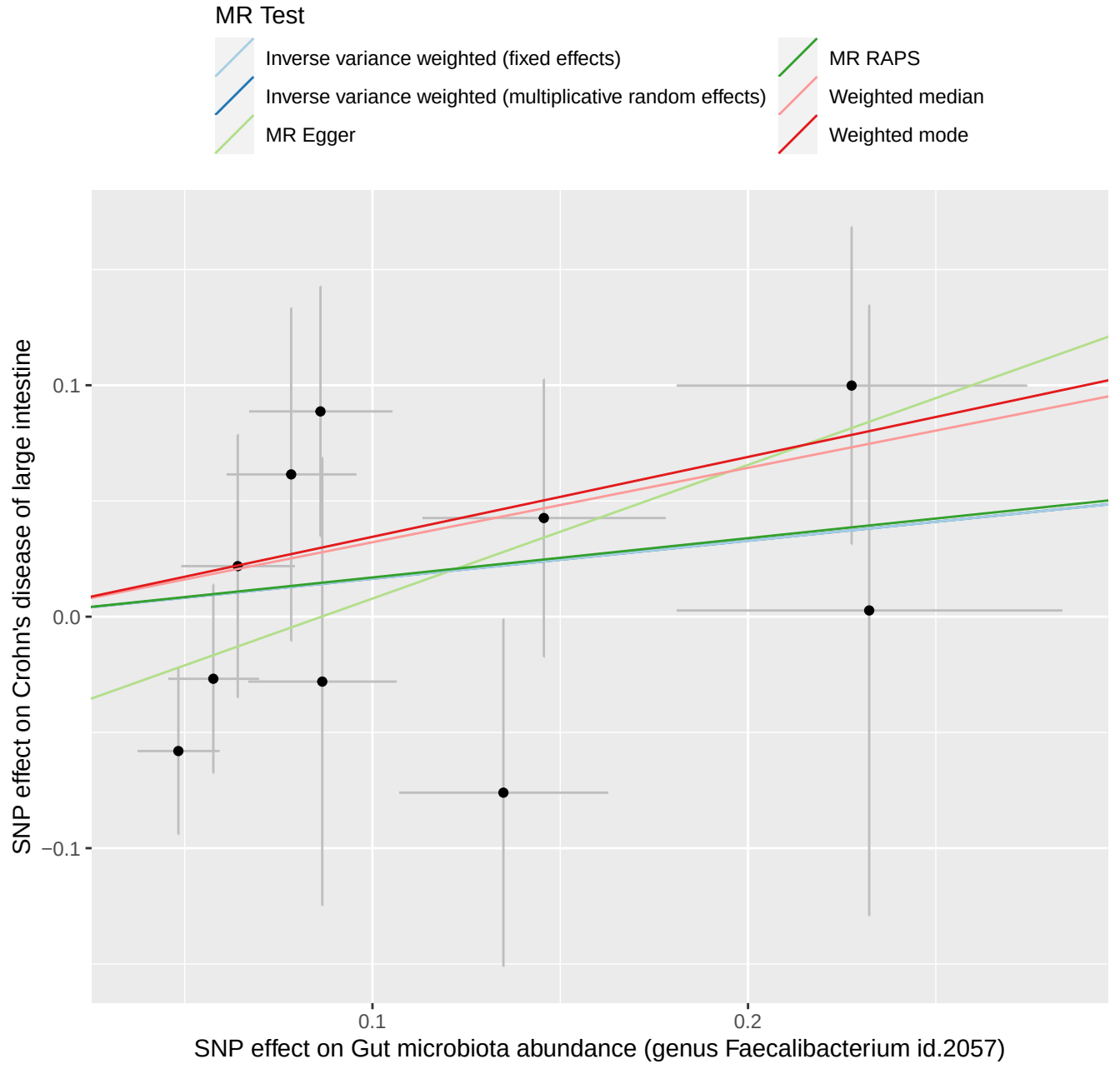
Batch 79 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Crohn's disease of large intestine

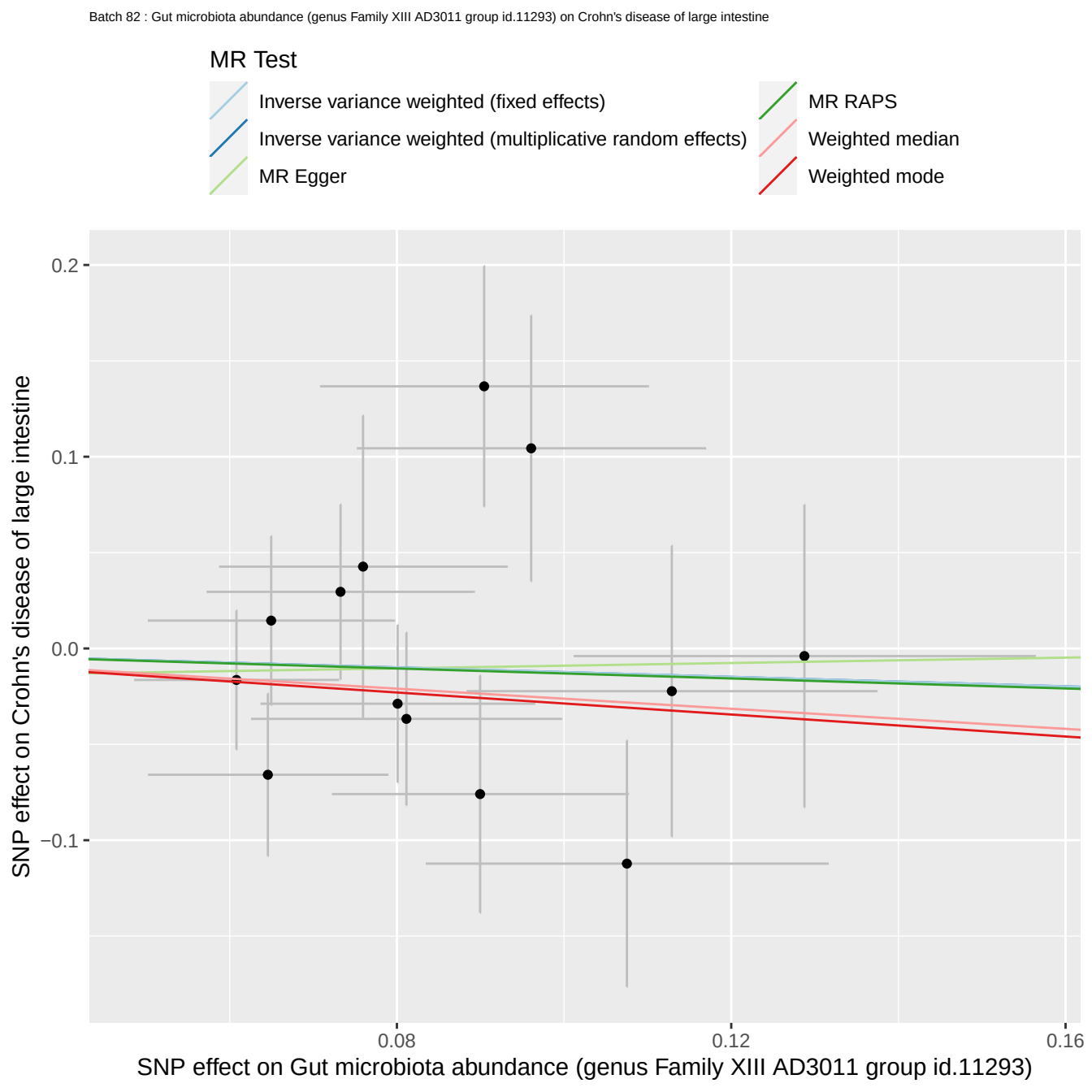


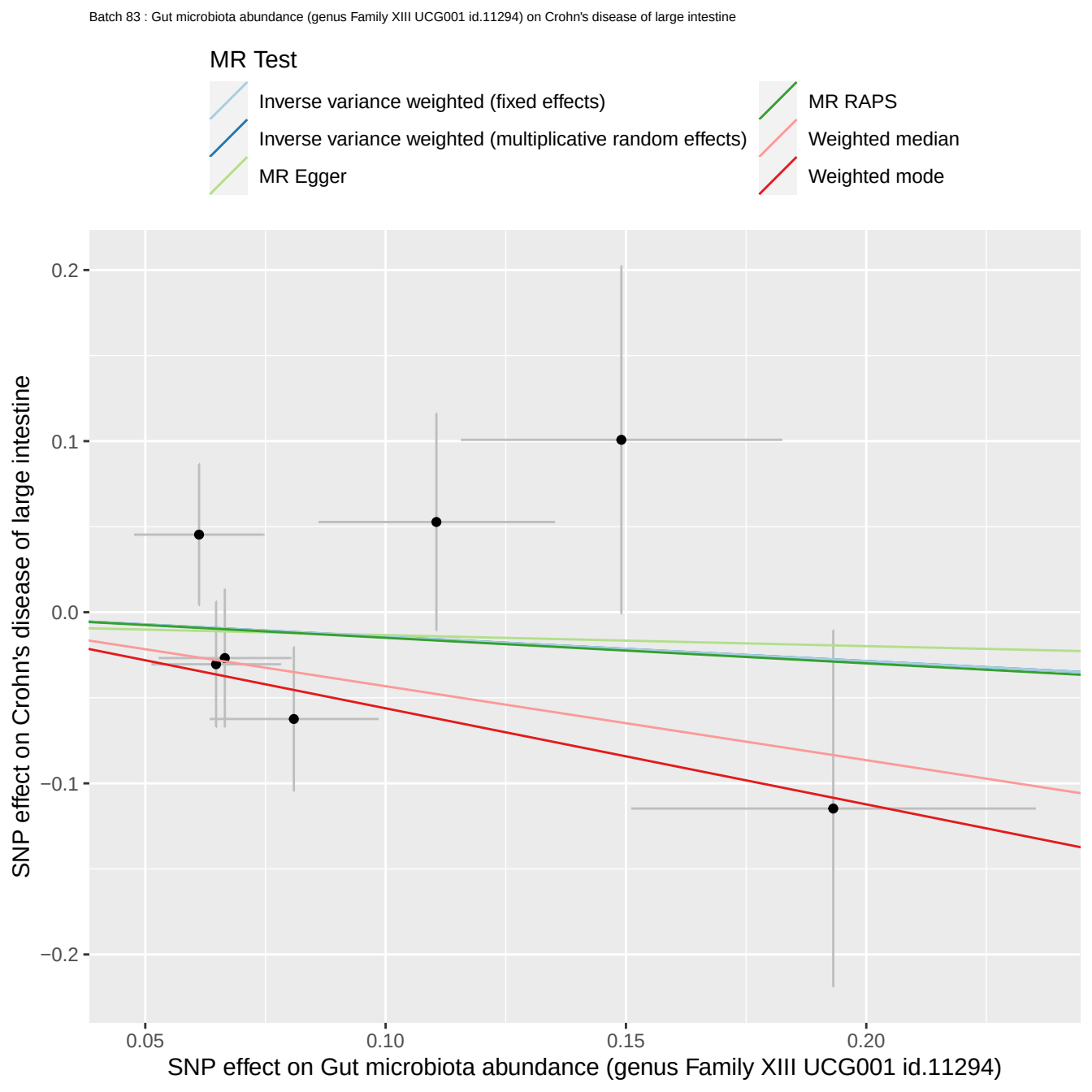
Batch 80 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Crohn's disease of large intestine



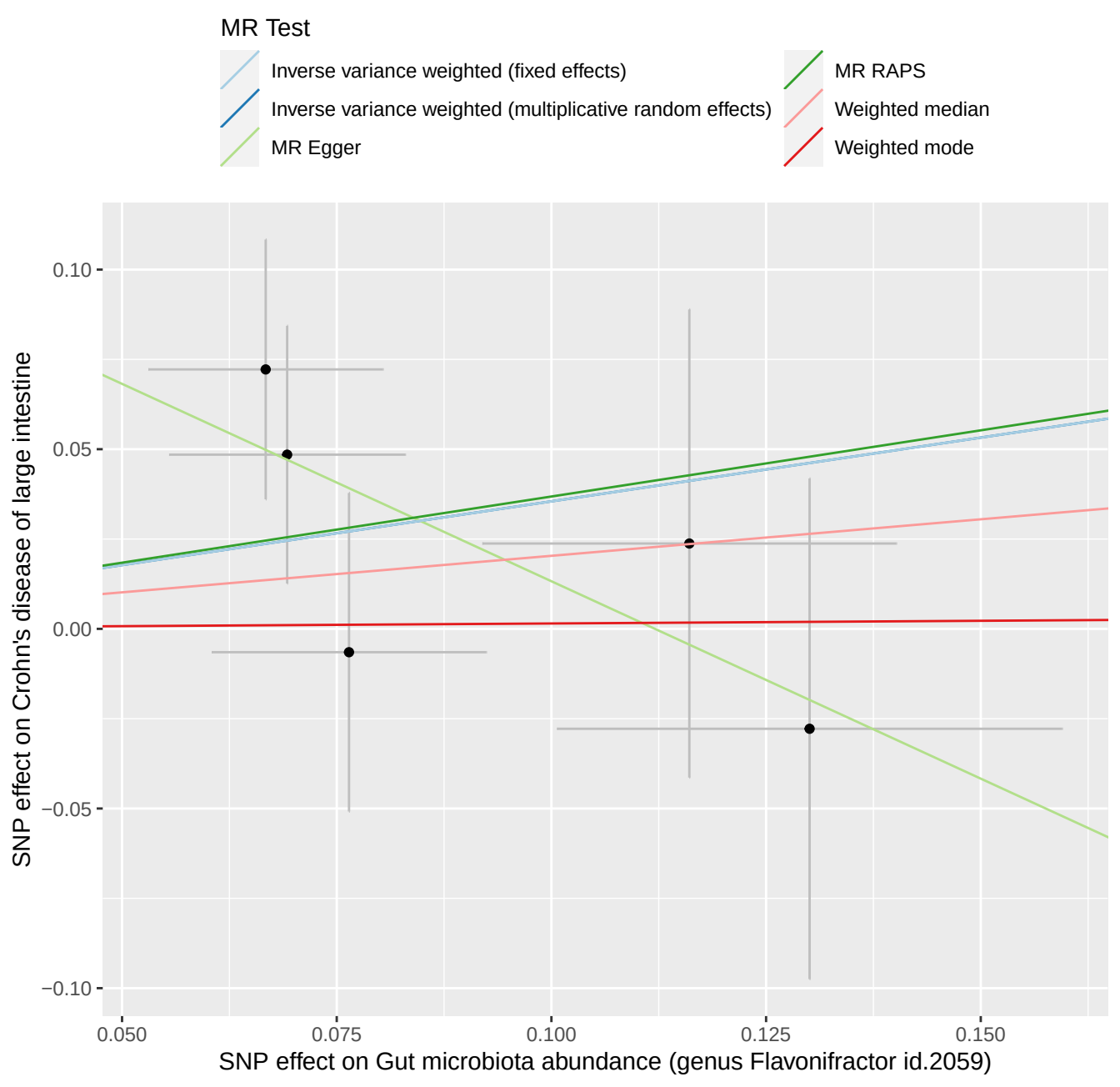
Batch 81 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Crohn's disease of large intestine

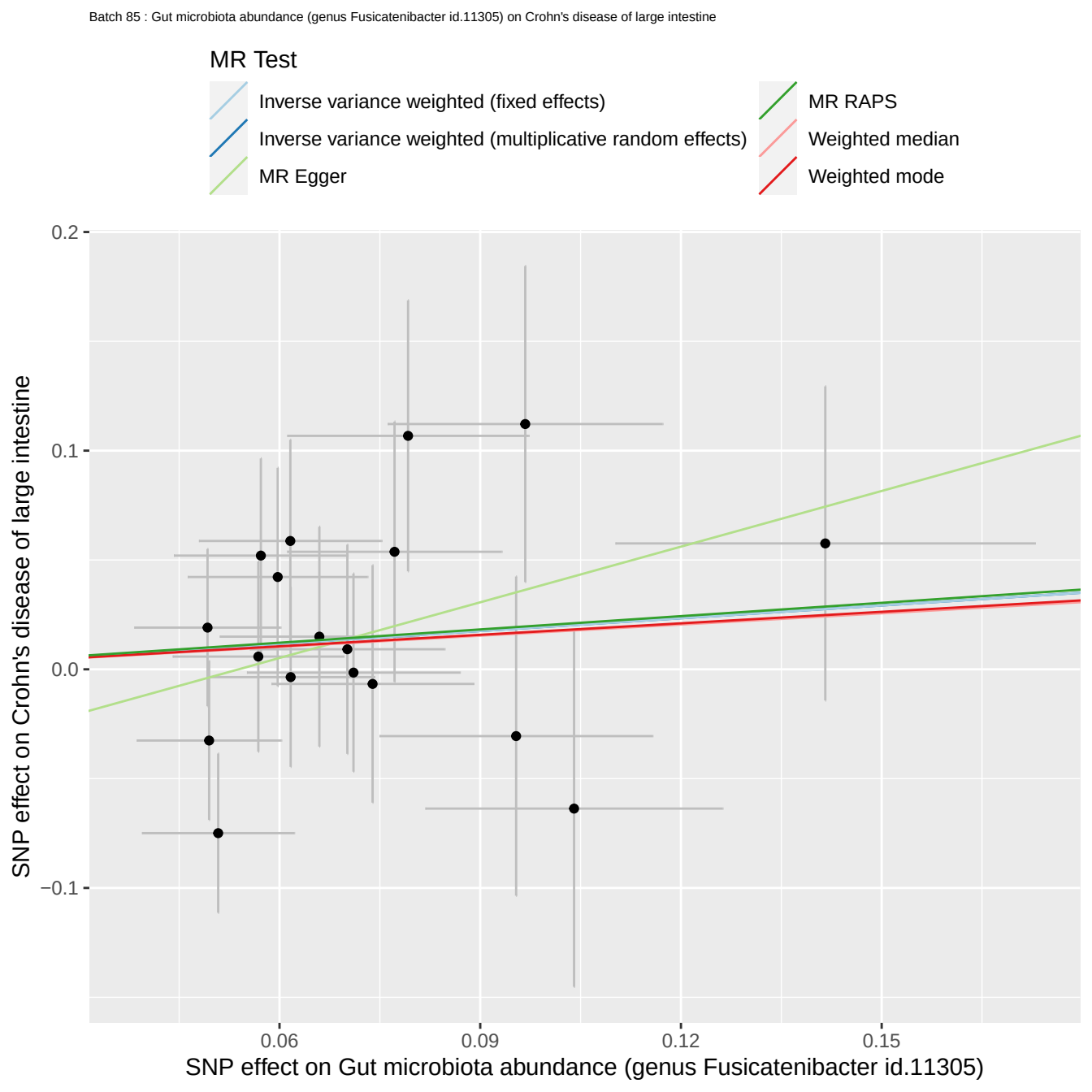



Batch 82 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)

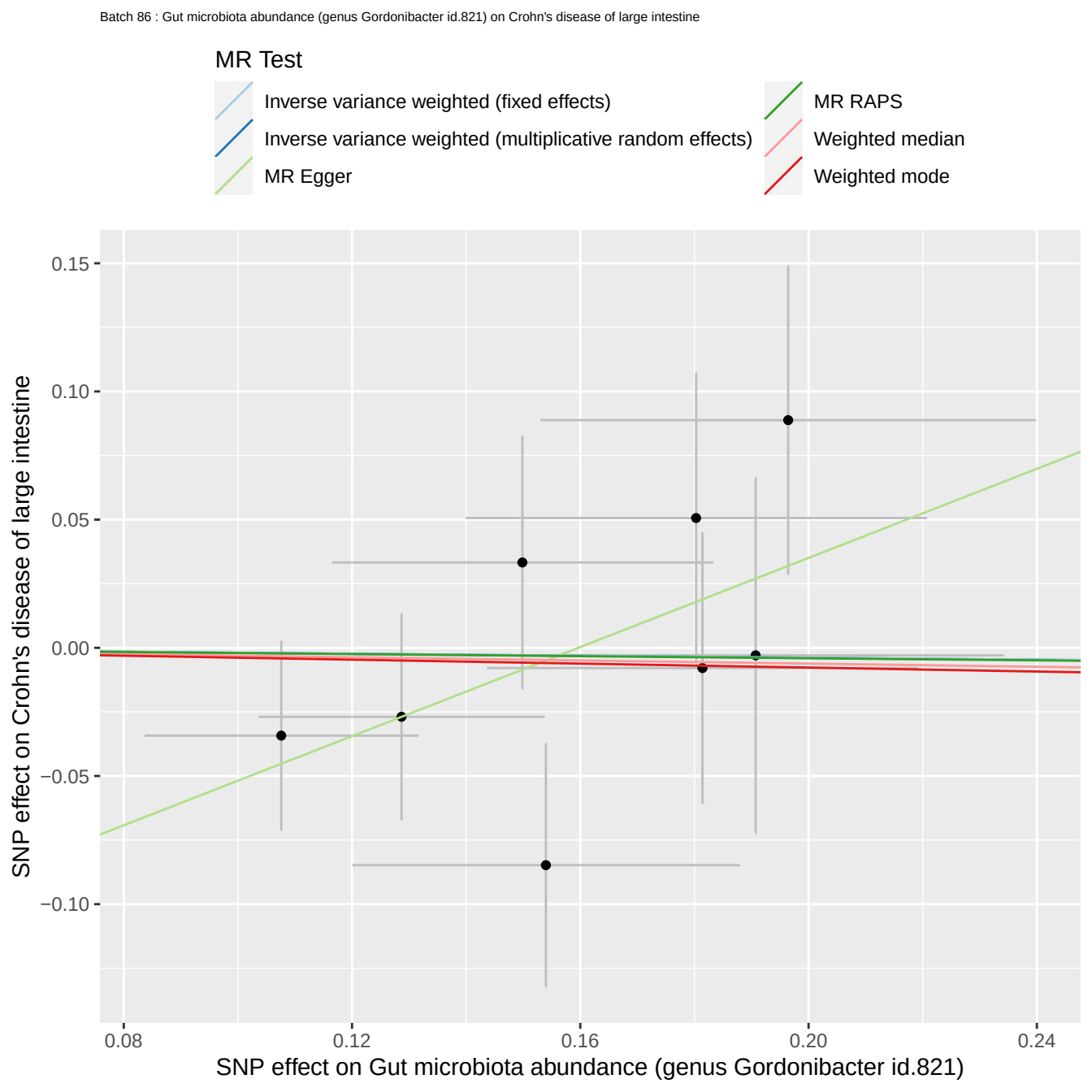

Batch 83 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

Batch 84 : Gut microbiota abundance (genus Flavonifractor id.2059) on Crohn's disease of large intestine

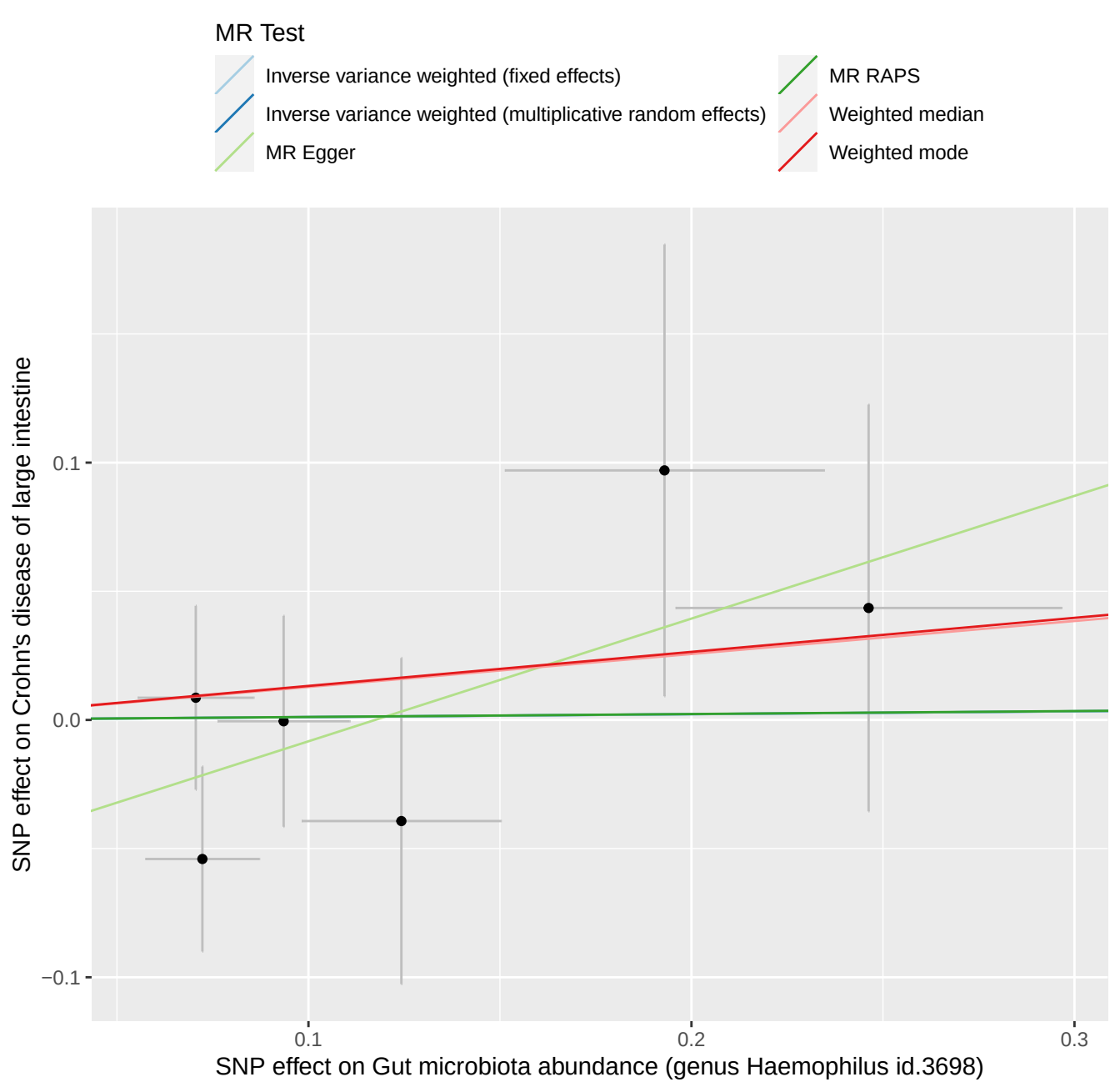



Batch 85 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Crohn's disease of large intestine
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

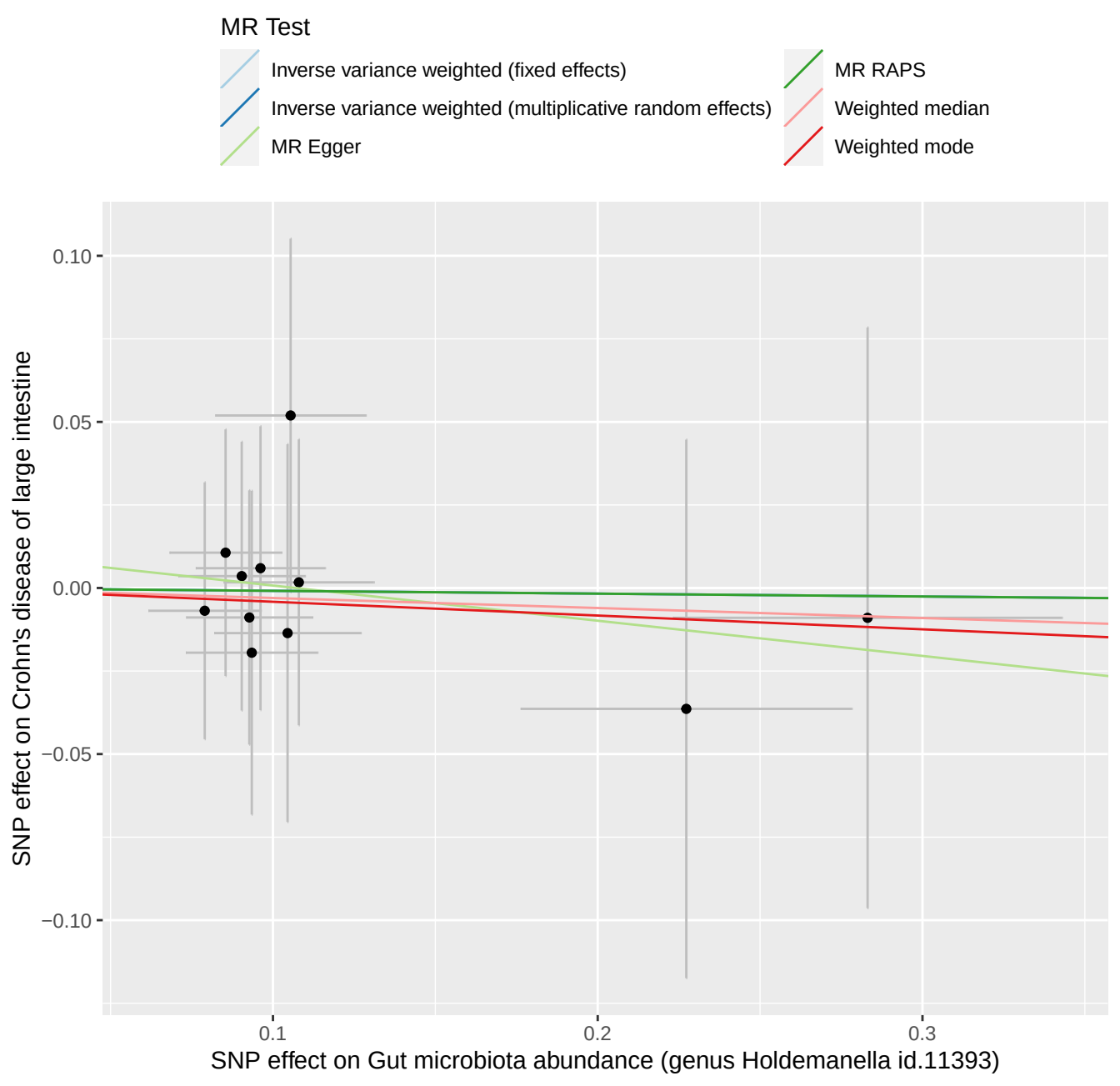
Batch 86 : Gut microbiota abundance (genus Gordonibacter id.821) on Crohn's disease of large intestine

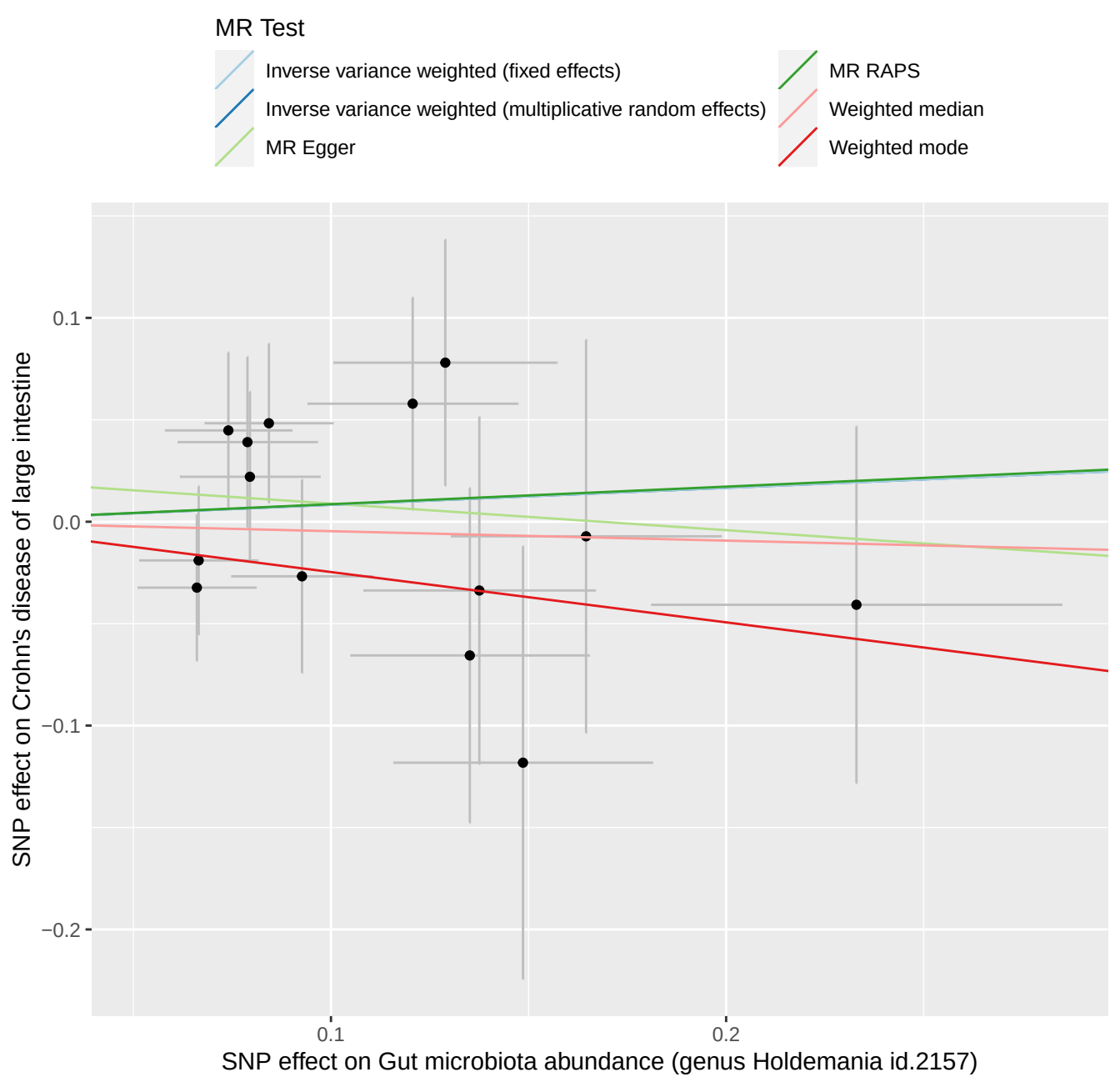


Batch 87 : Gut microbiota abundance (genus Haemophilus id.3698) on Crohn's disease of large intestine

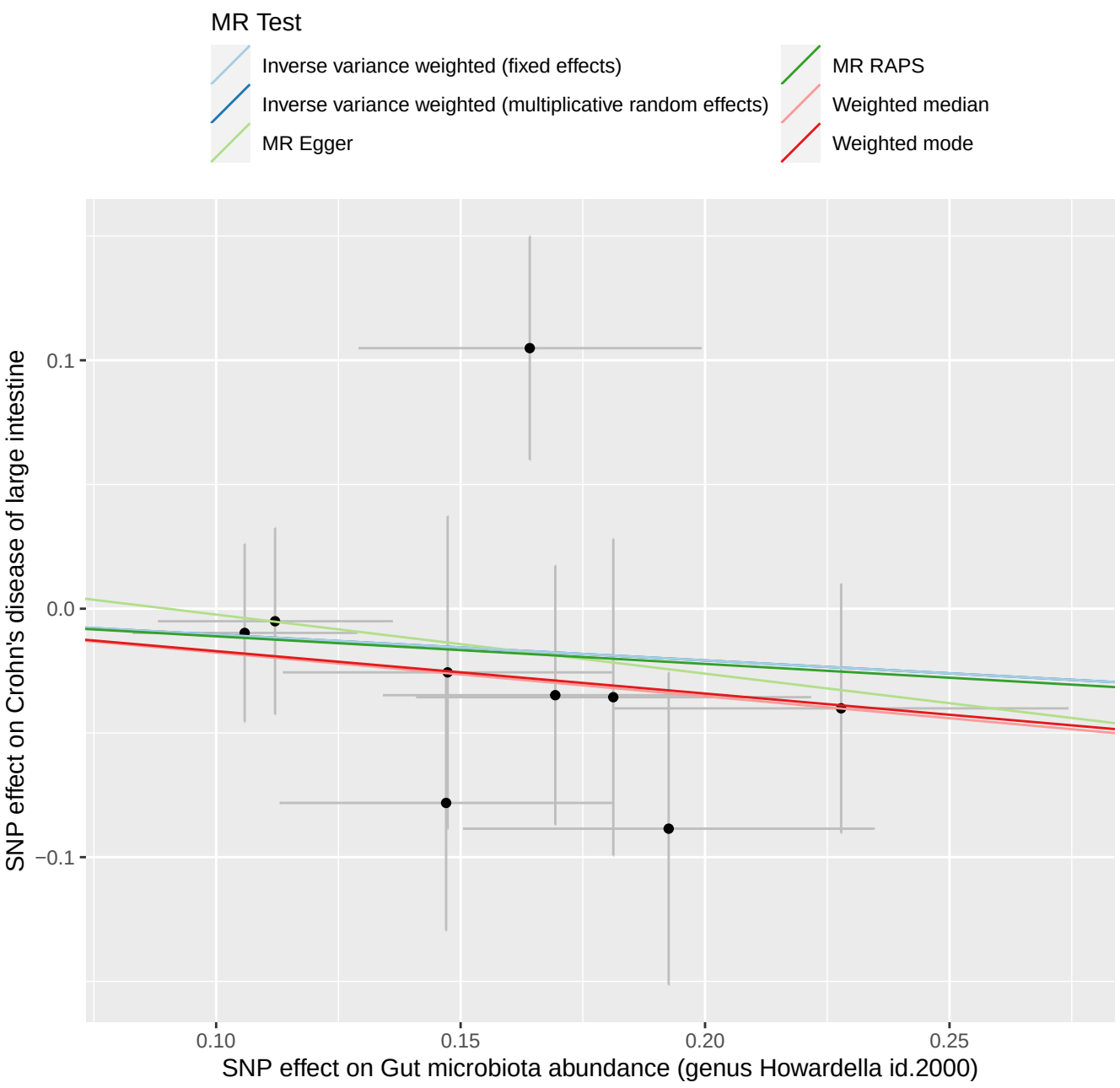


Batch 88 : Gut microbiota abundance (genus Holdemanella id.11393) on Crohn's disease of large intestine

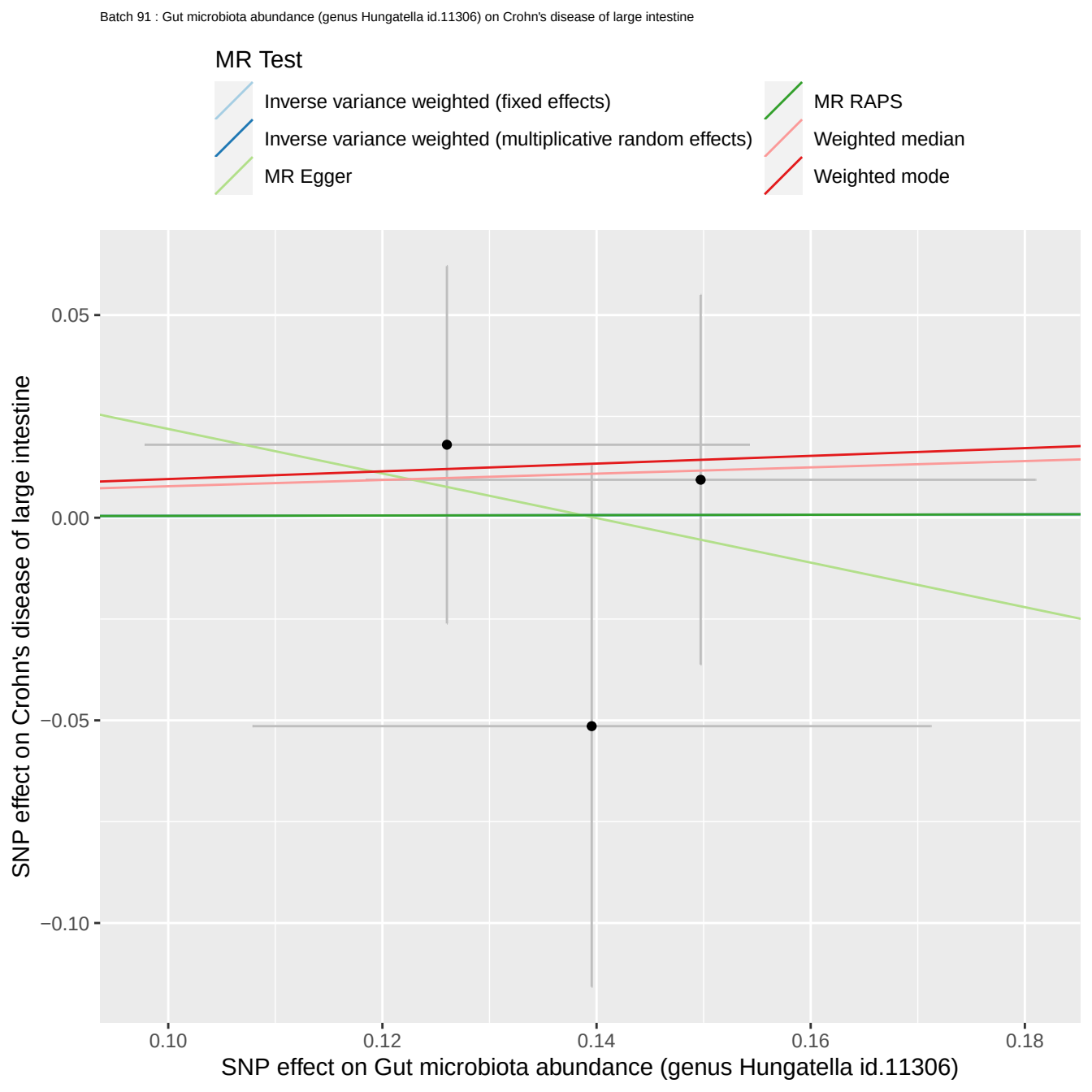


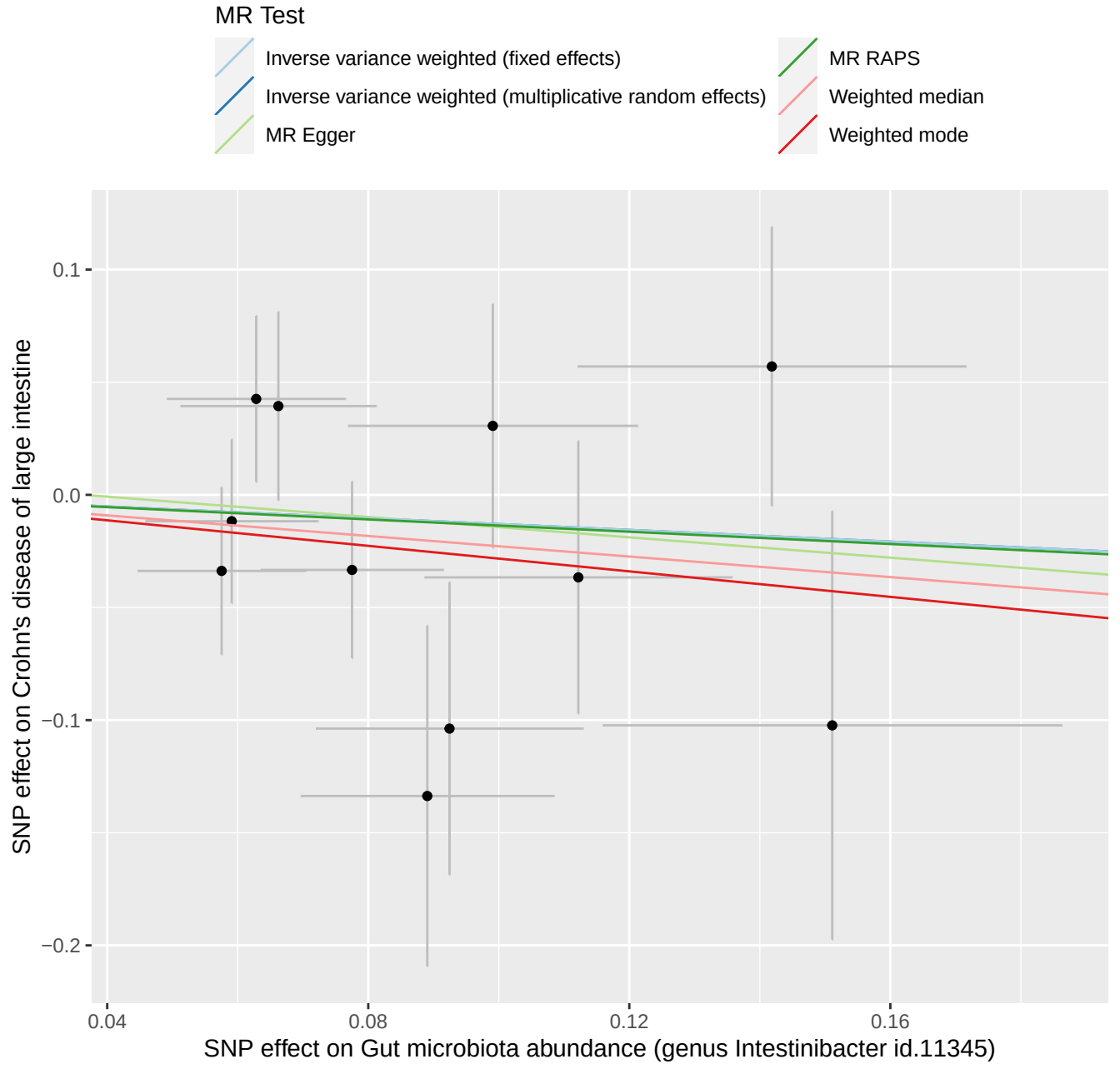

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

Batch 90 : Gut microbiota abundance (genus Howardella id.2000) on Crohn's disease of large intestine

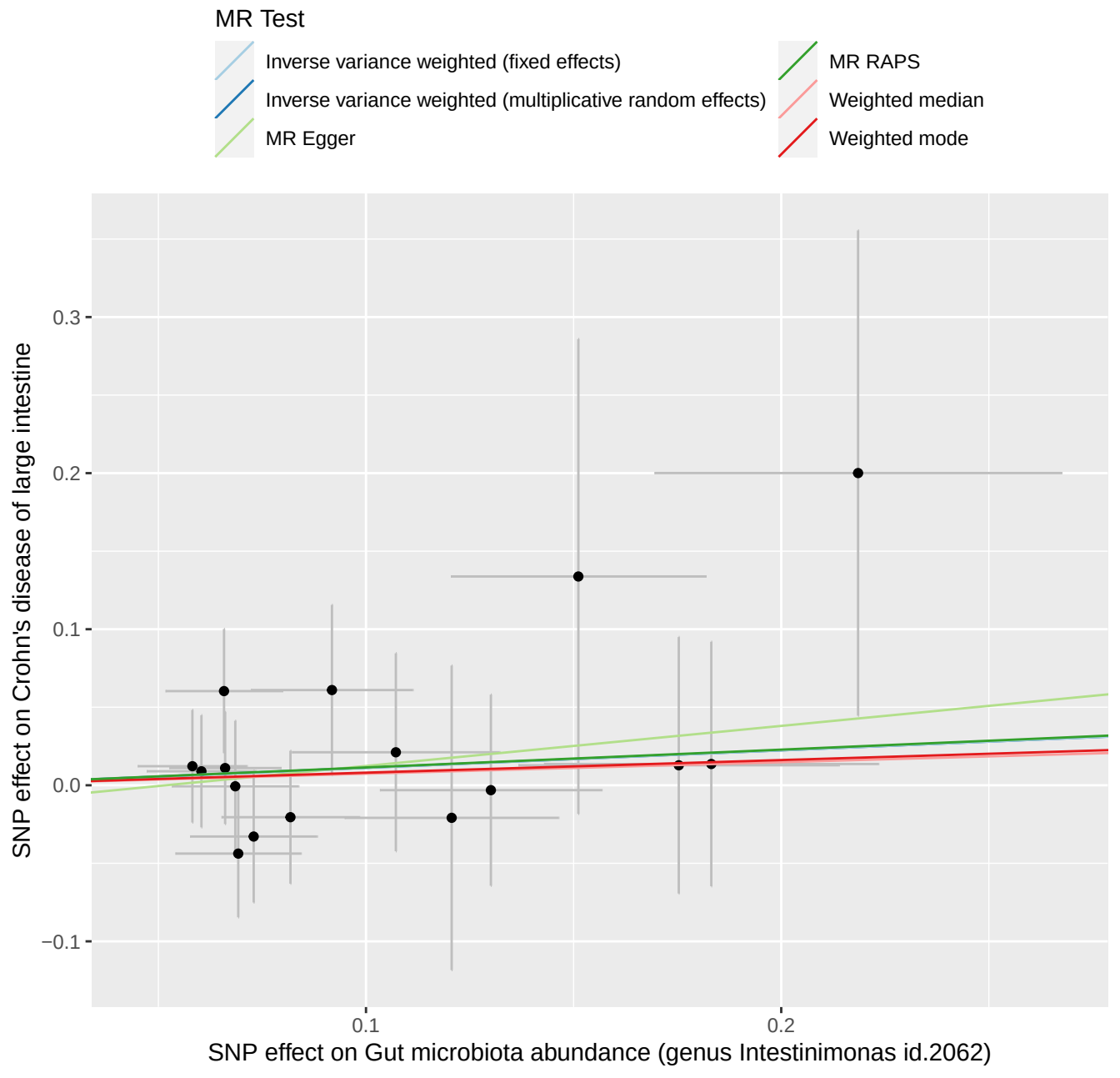


Batch 91 : Gut microbiota abundance (genus Hungatella id.11306) on Crohn's disease of large intestine

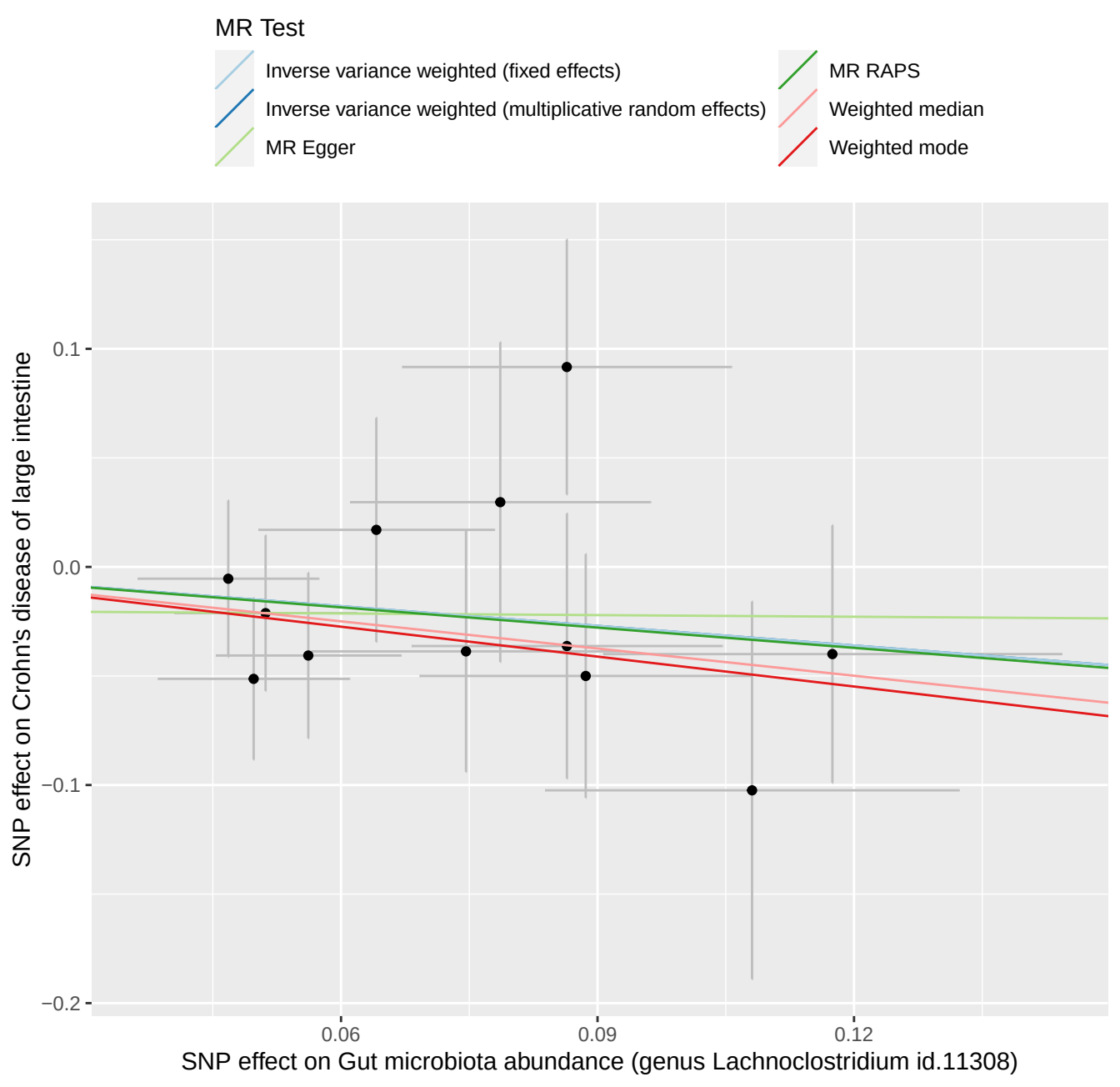


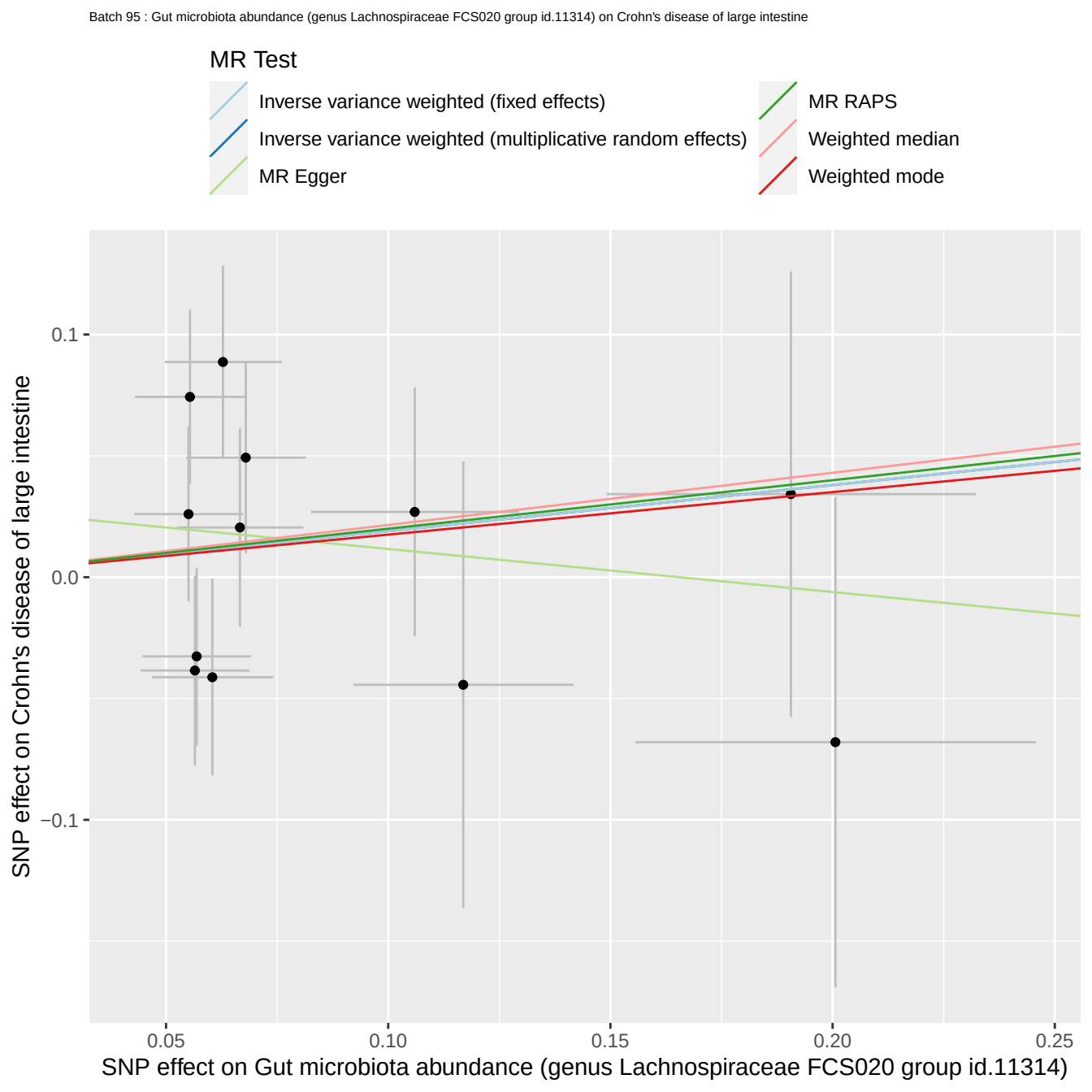

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Crohn's disease of large intestine
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)

Batch 93 : Gut microbiota abundance (genus Intestinimonas id.2062) on Crohn's disease of large intestine

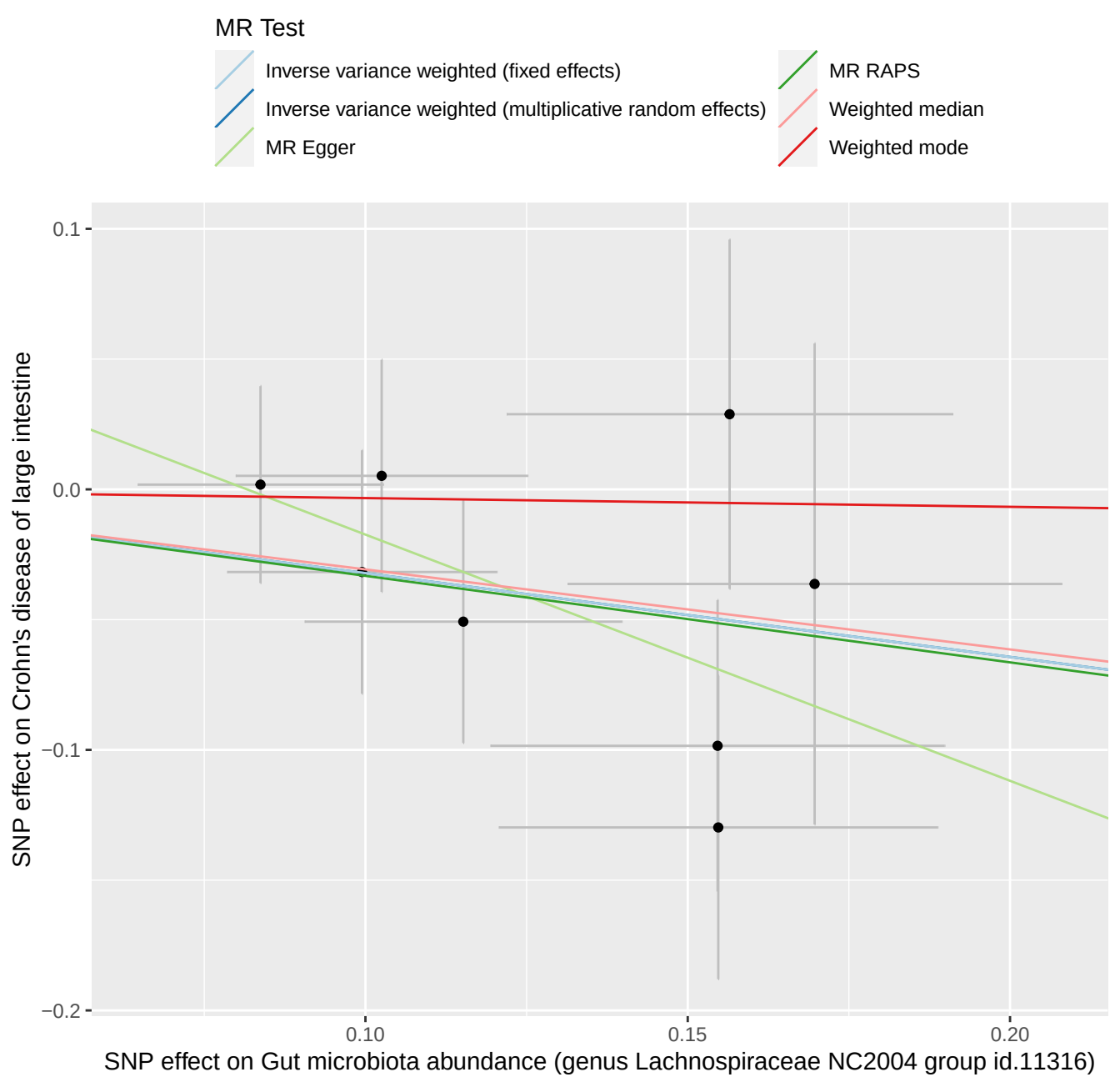


Batch 94 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Crohn's disease of large intestine

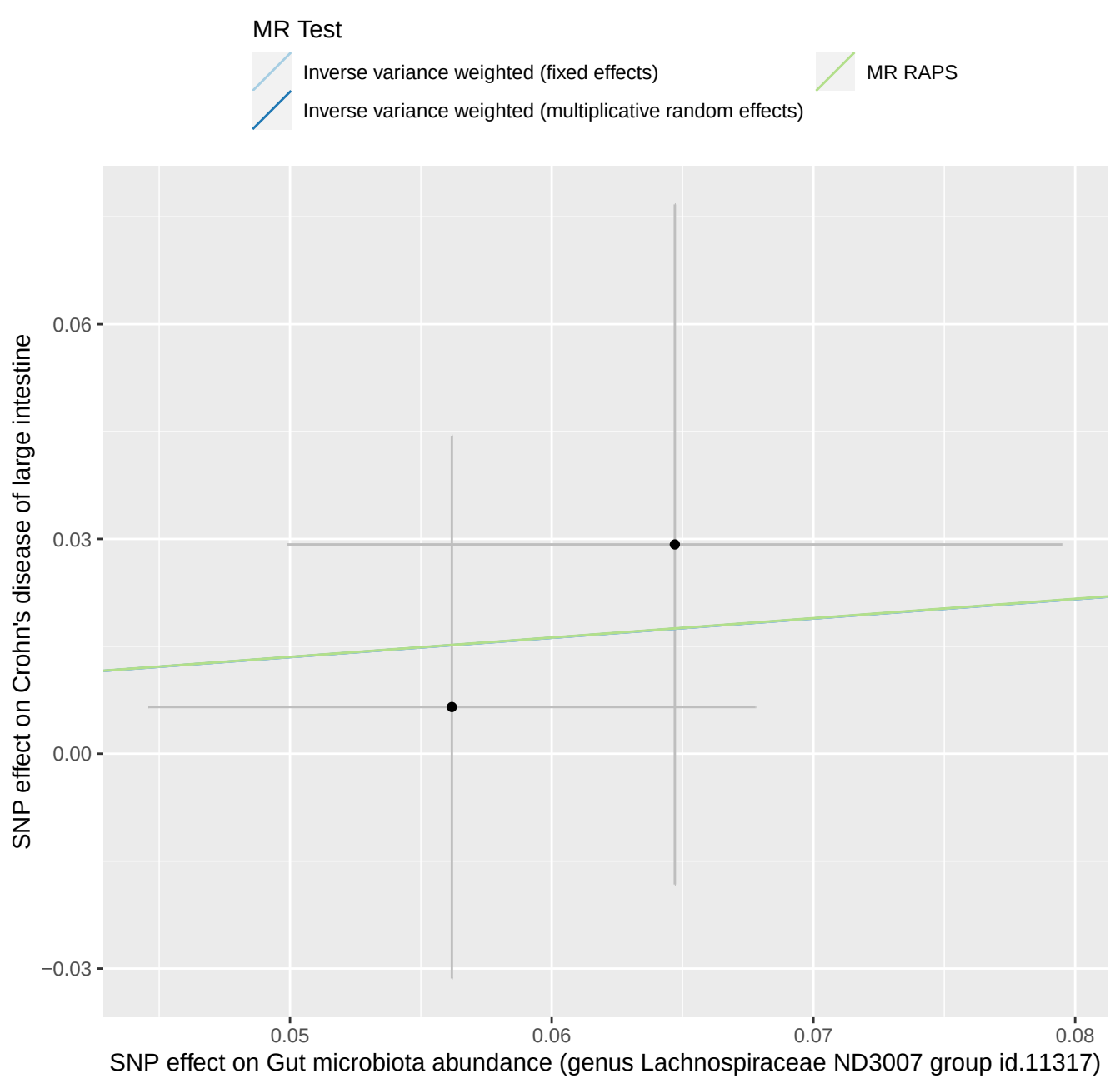



Batch 95 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

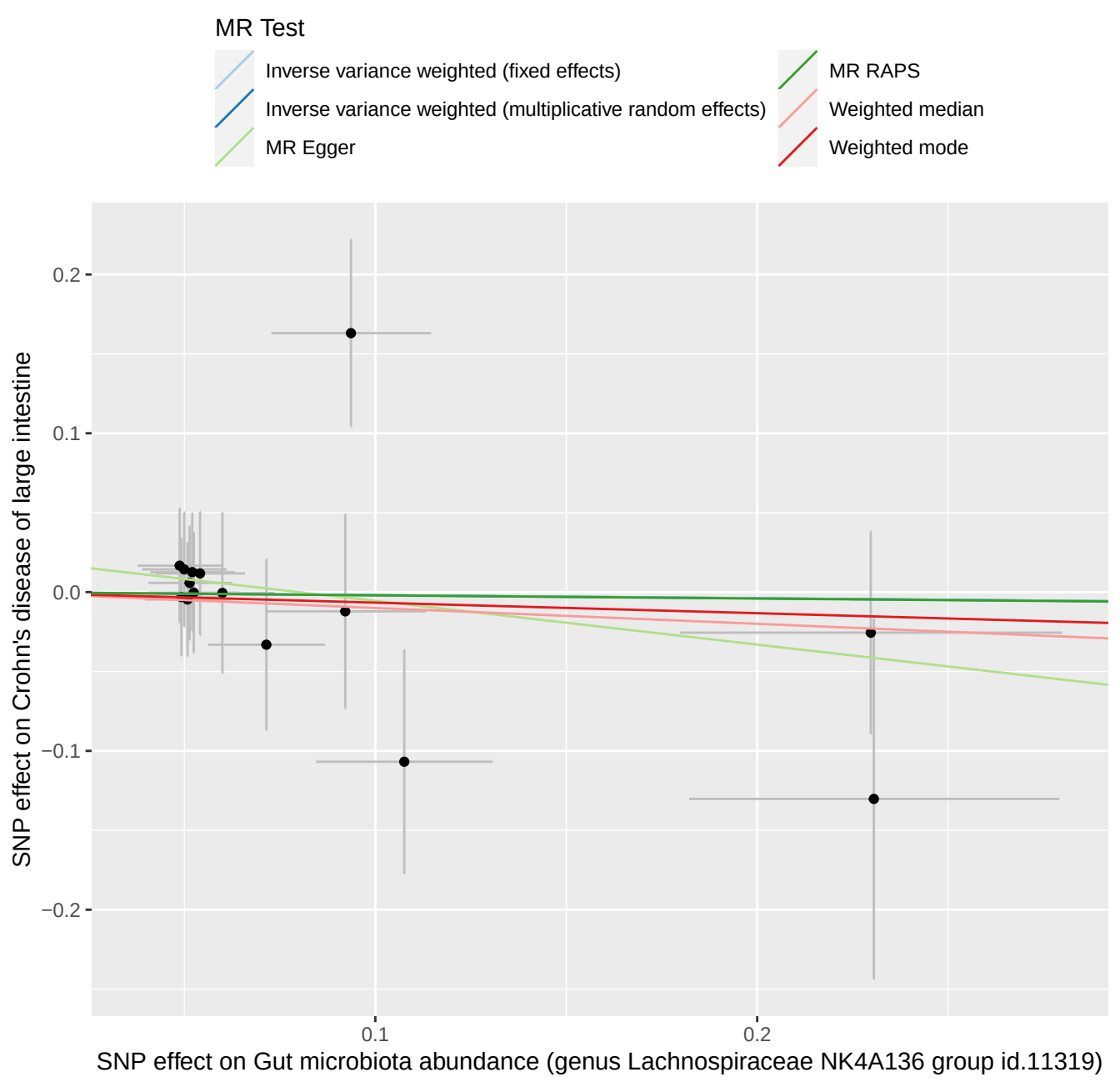
Batch 96 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Crohn's disease of large intestine



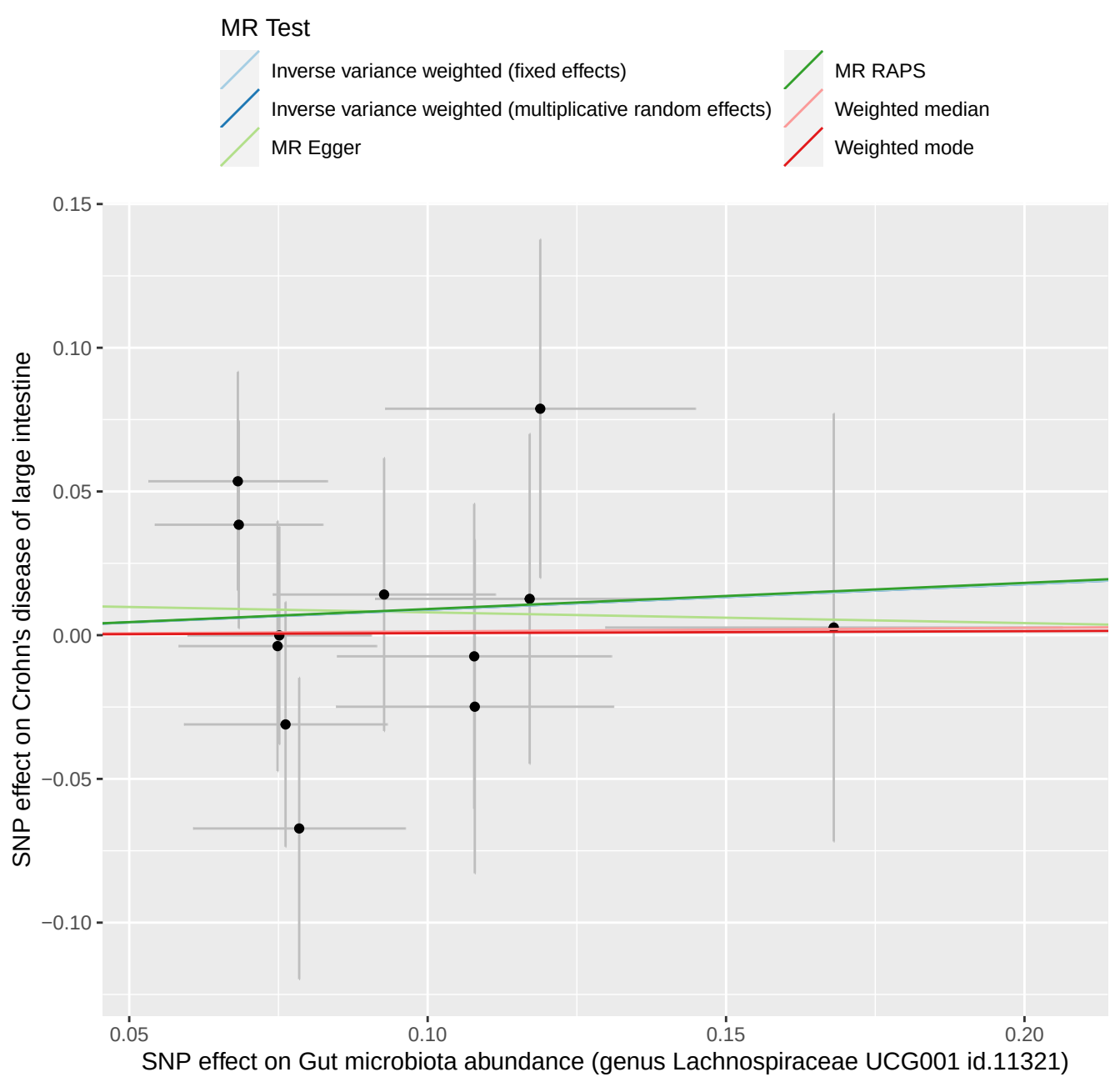
Batch 97 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Crohn's disease of large intestine

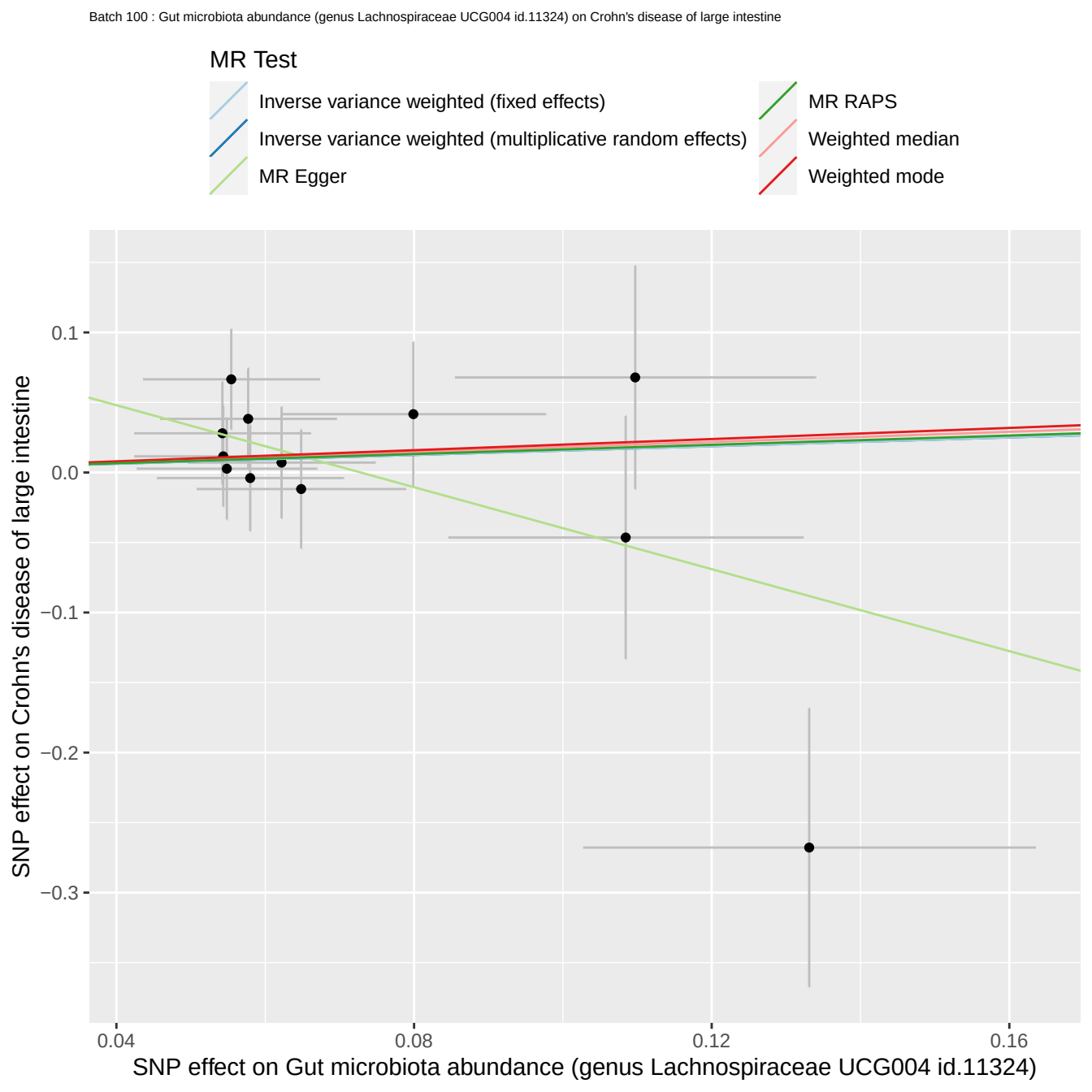


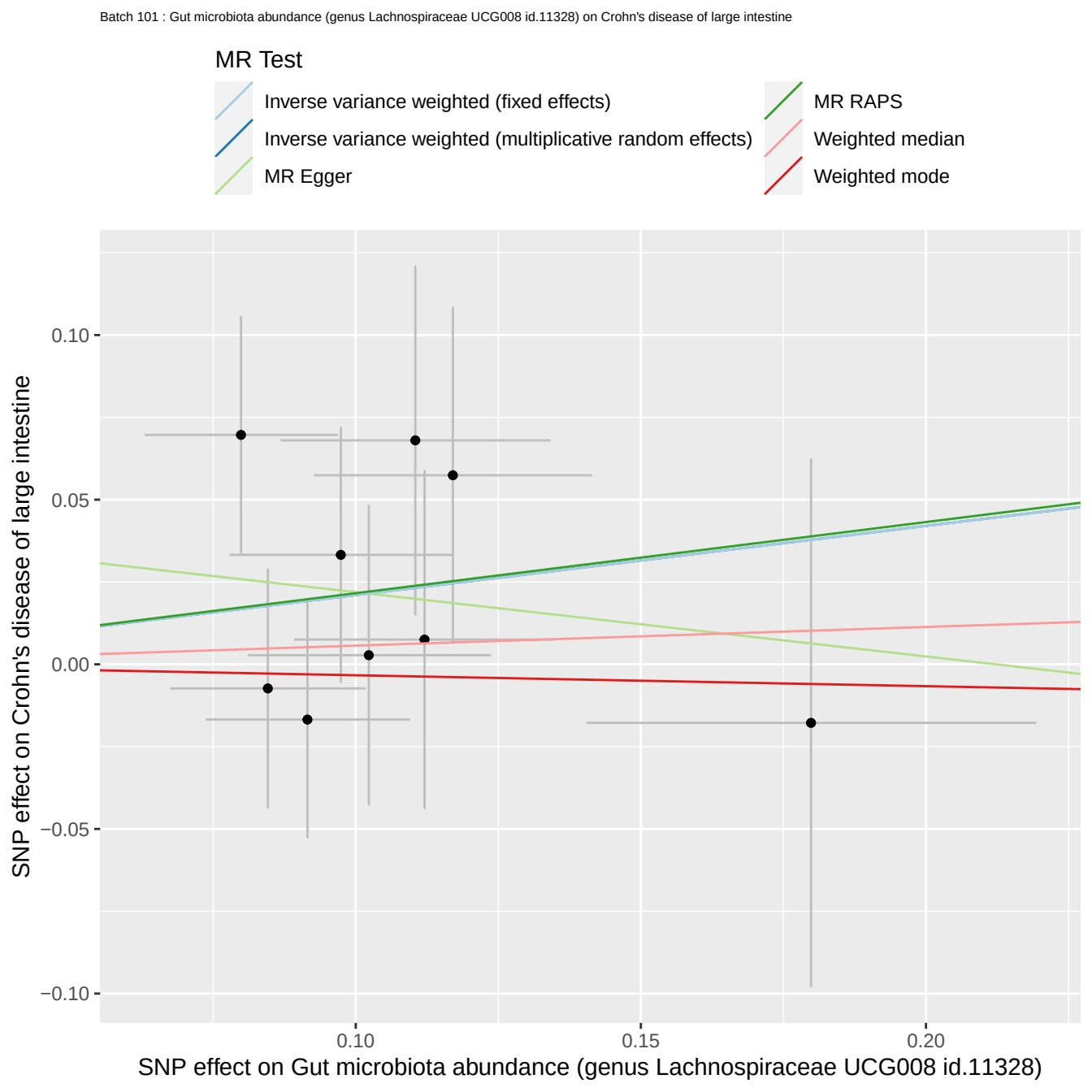
Batch 98 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Crohn's disease of large intestine



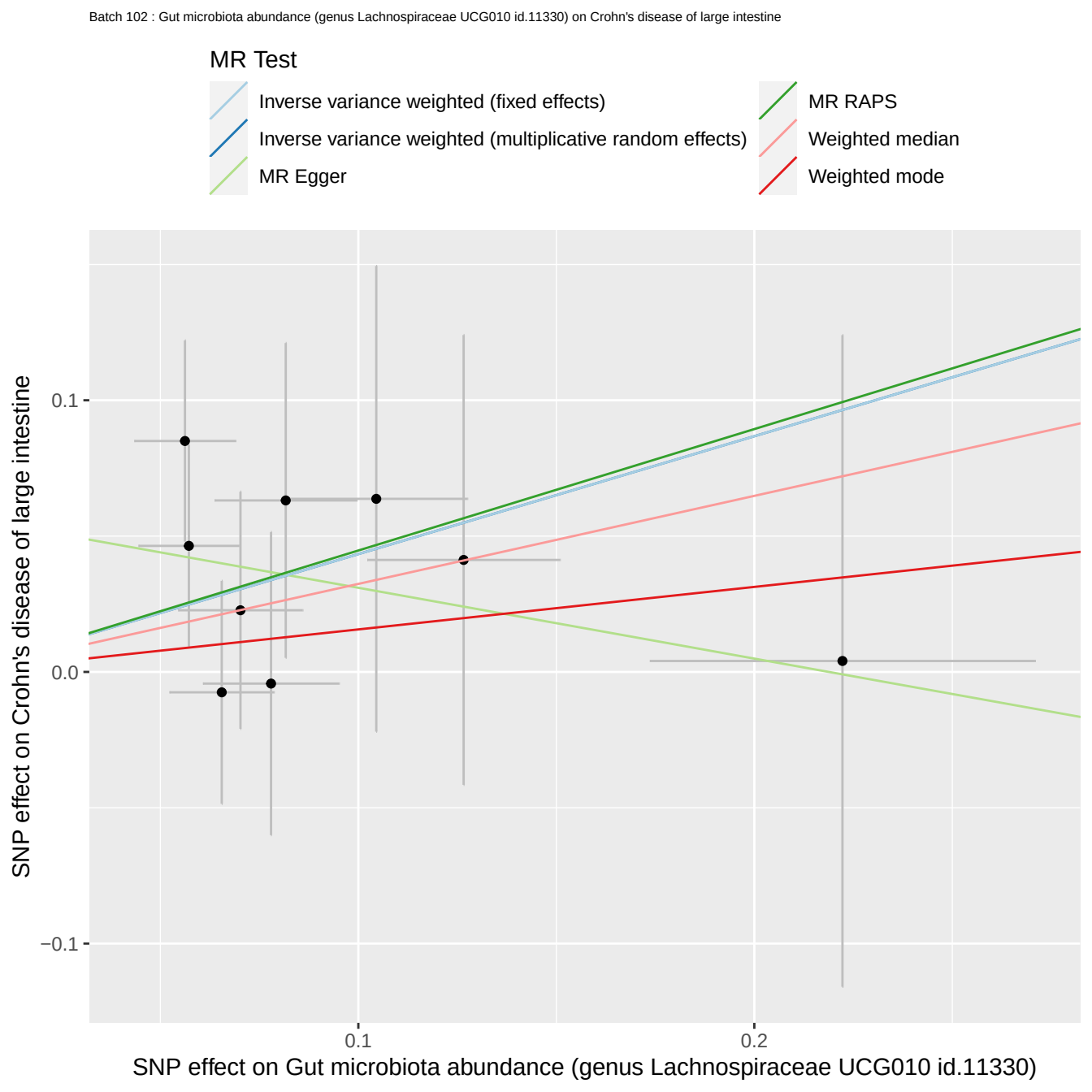
Batch 99 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Crohn's disease of large intestine



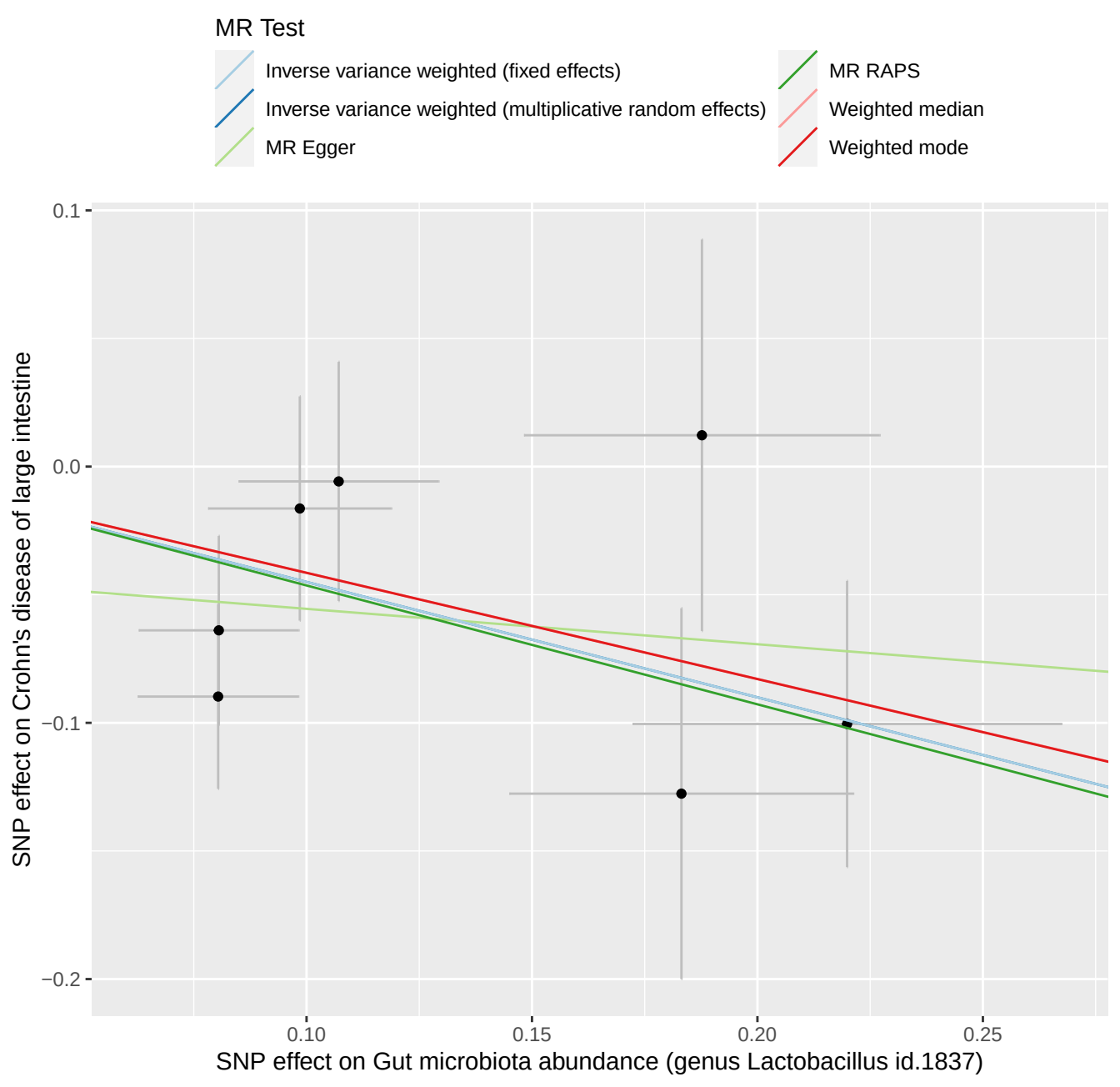

Batch 100 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

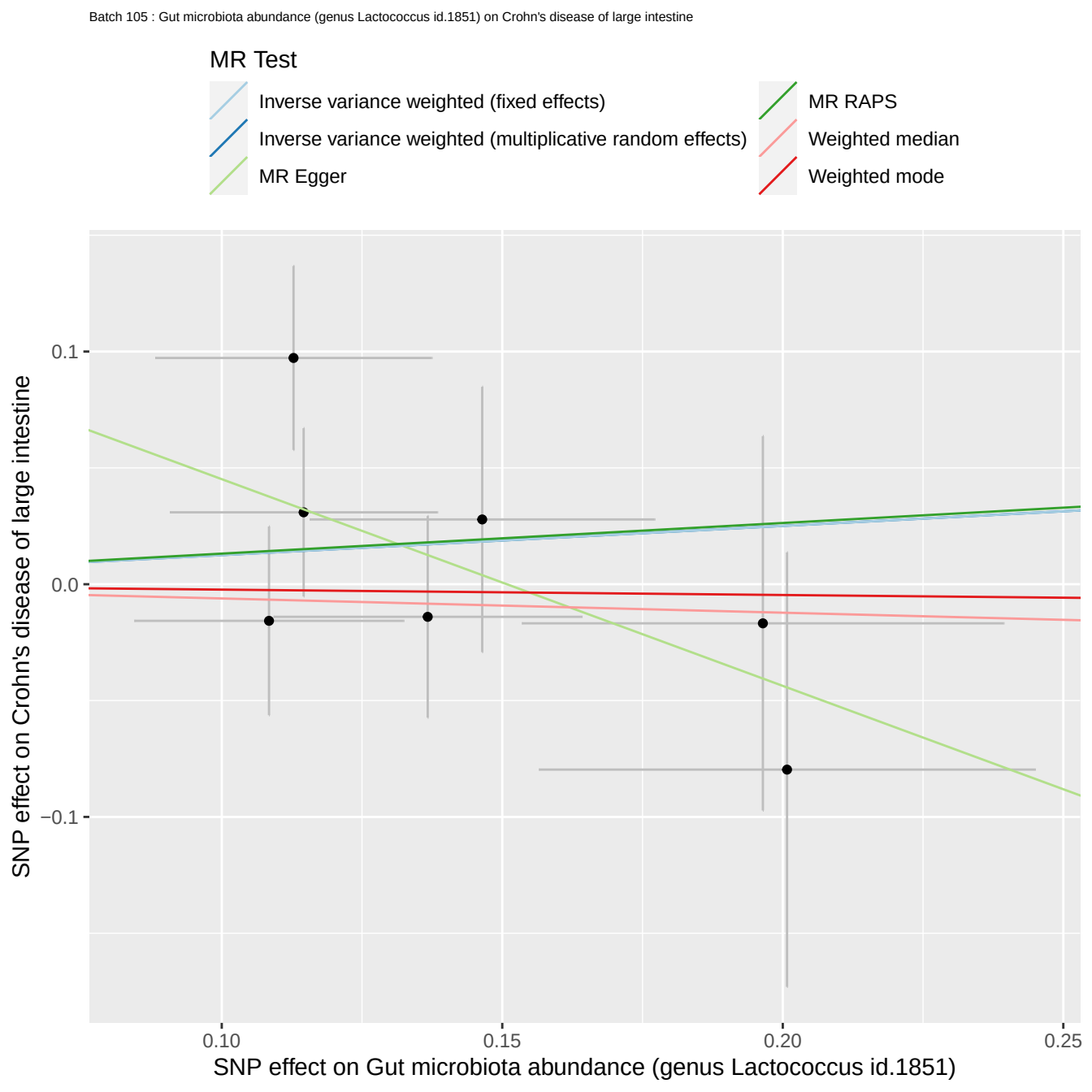

Batch 101 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

Batch 102 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Crohn's disease of large intestine

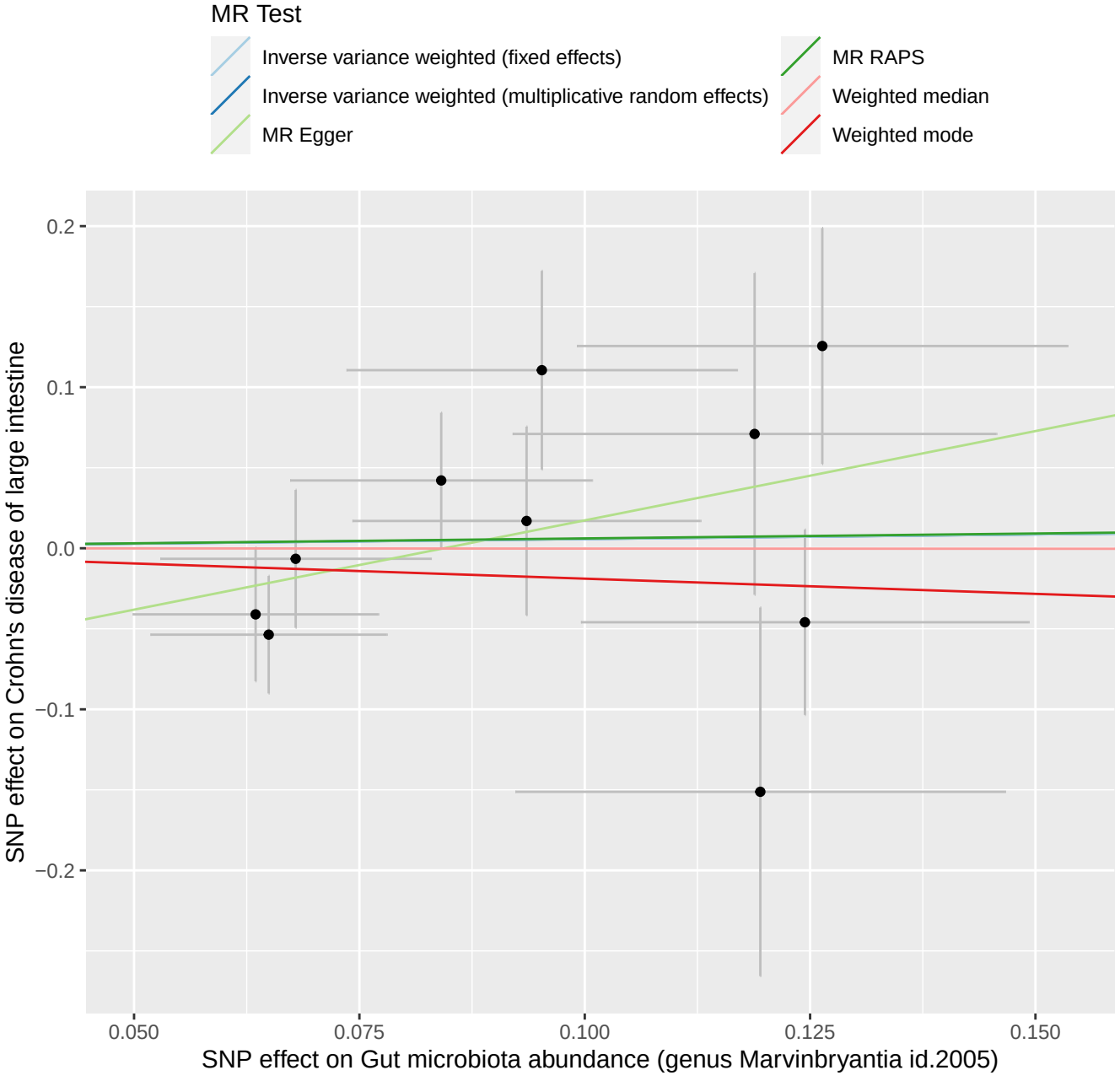


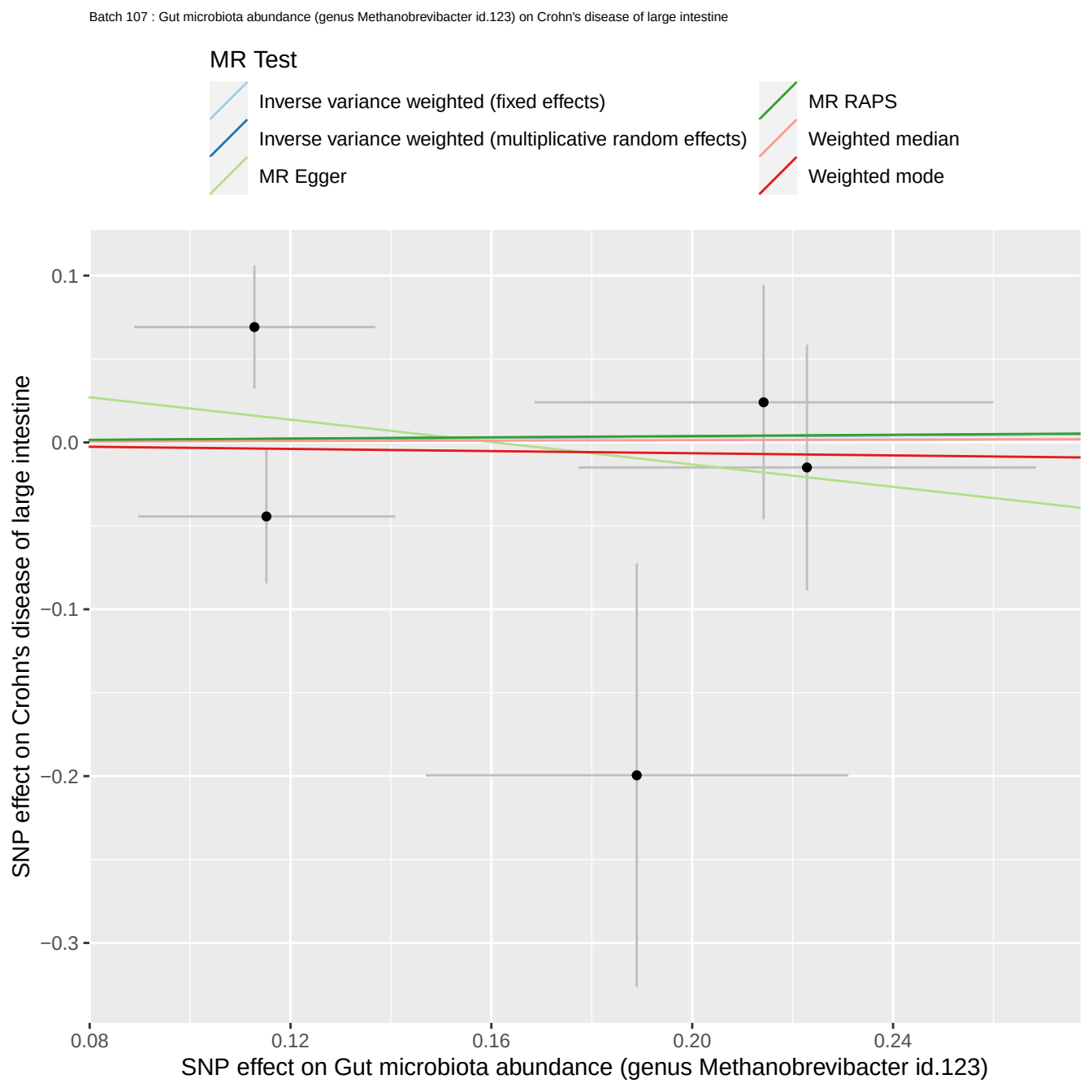
Insufficient number of SNPs

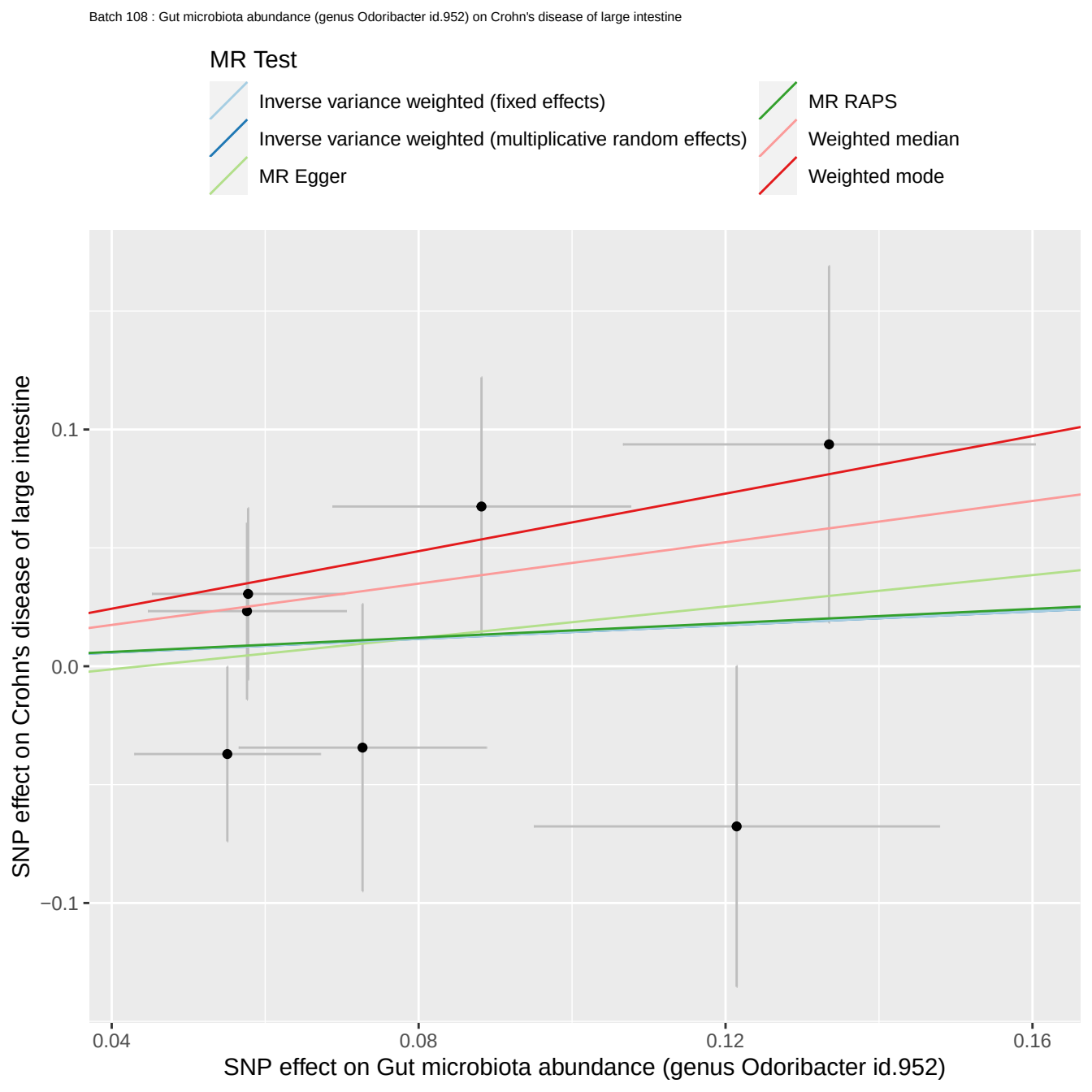

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Crohn's disease of large intestine
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)


Batch 105 : Gut microbiota abundance (genus Lactococcus id.1851) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

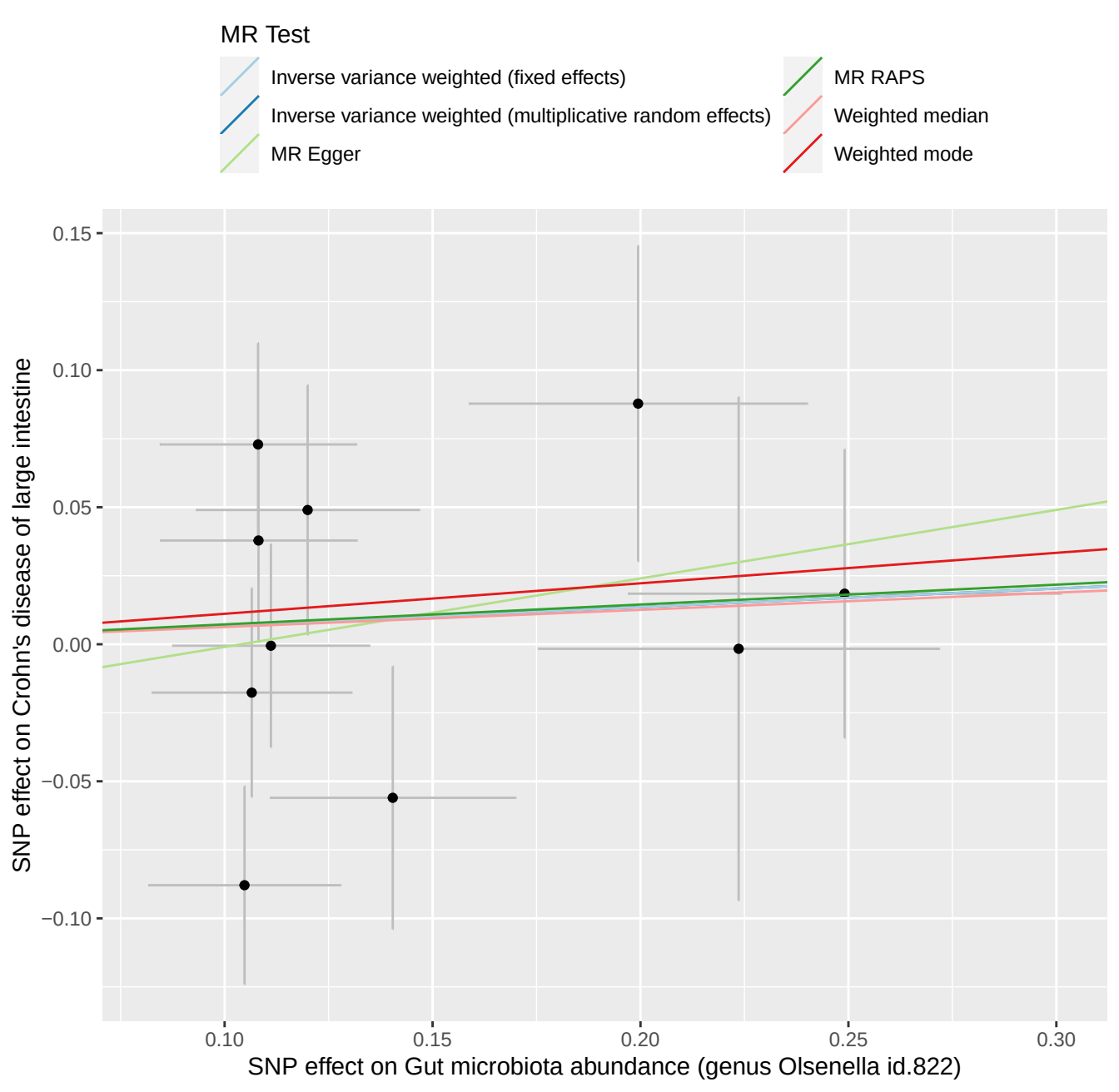
Batch 106 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Crohn's disease of large intestine

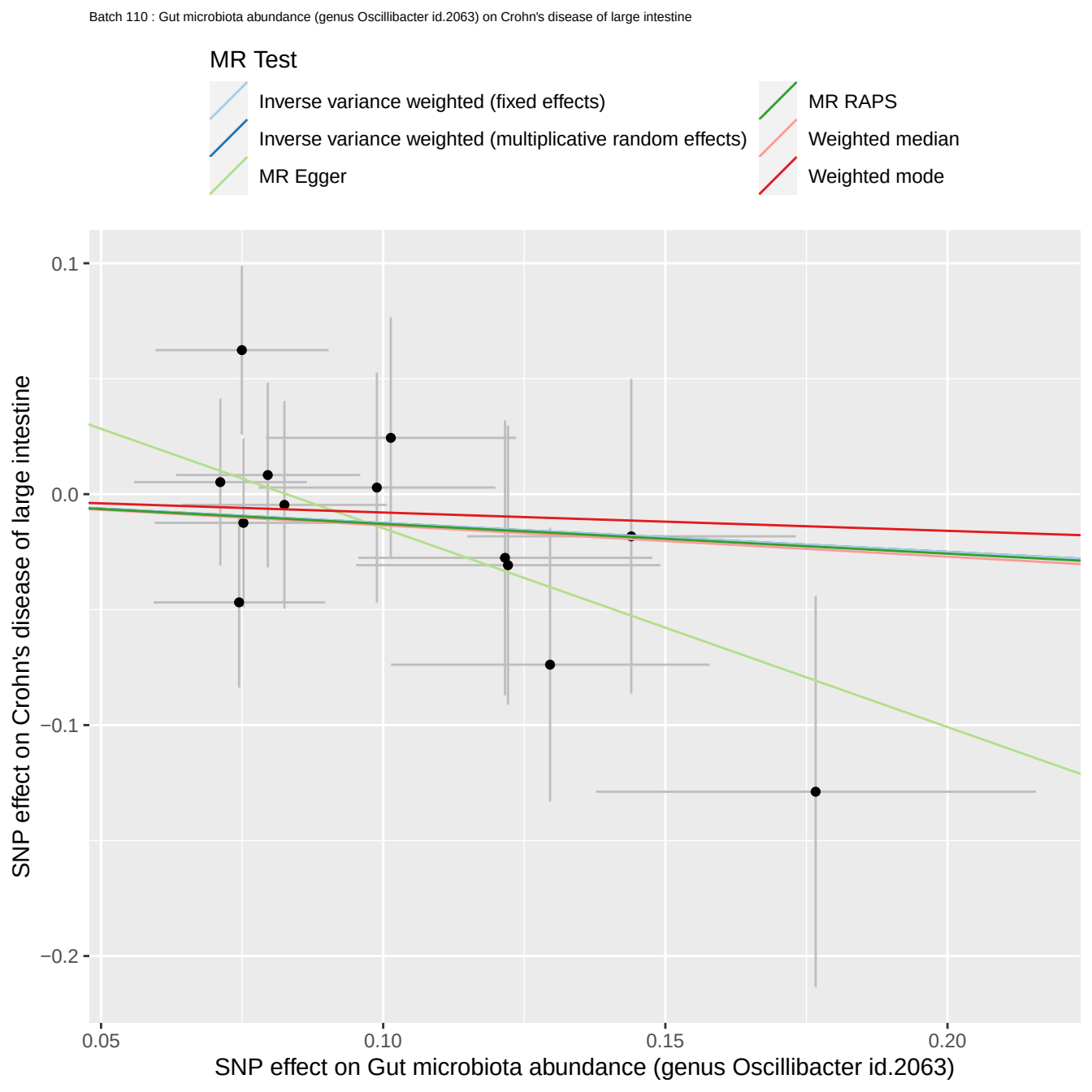


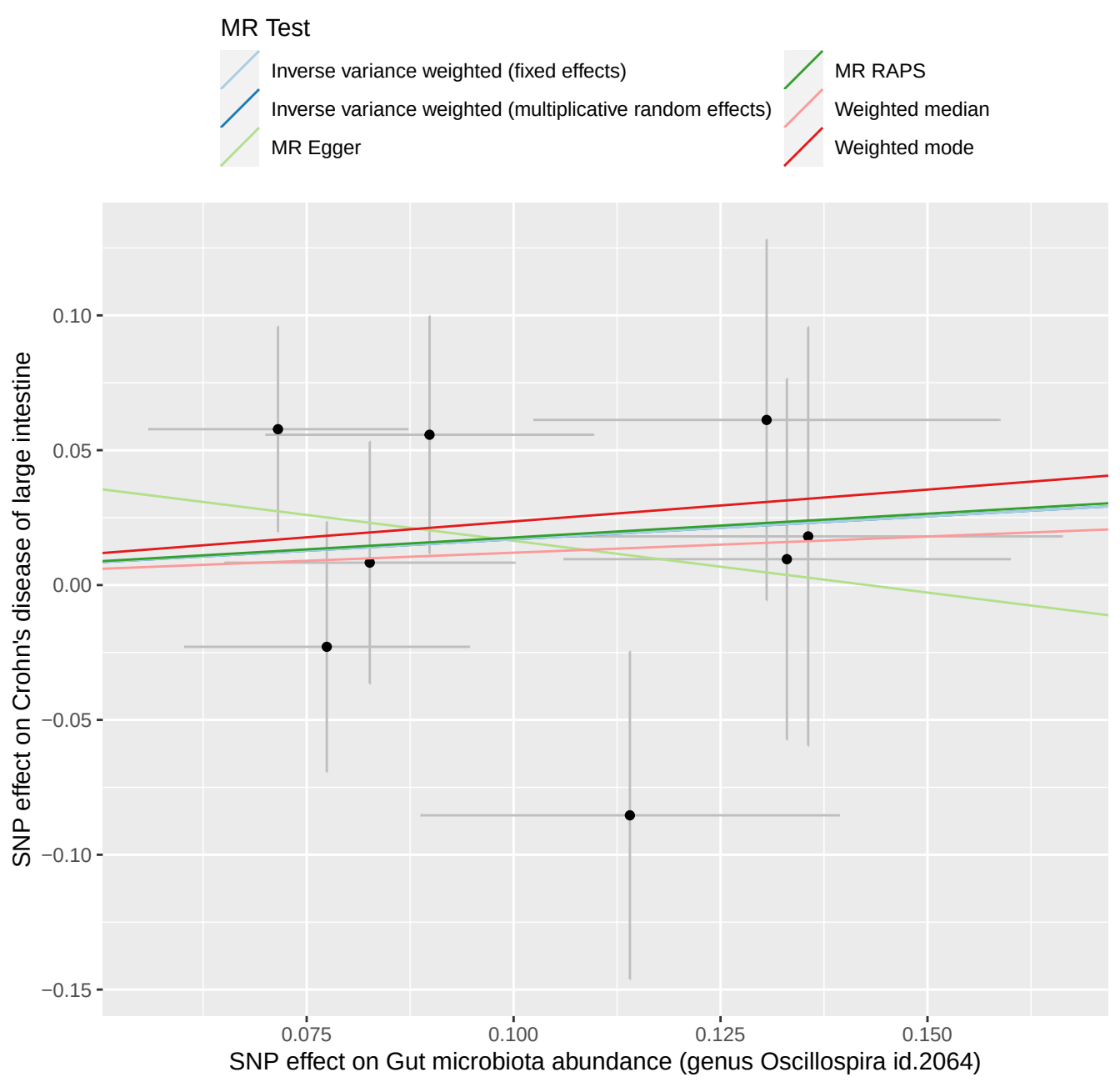

Batch 107 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
−0.3
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

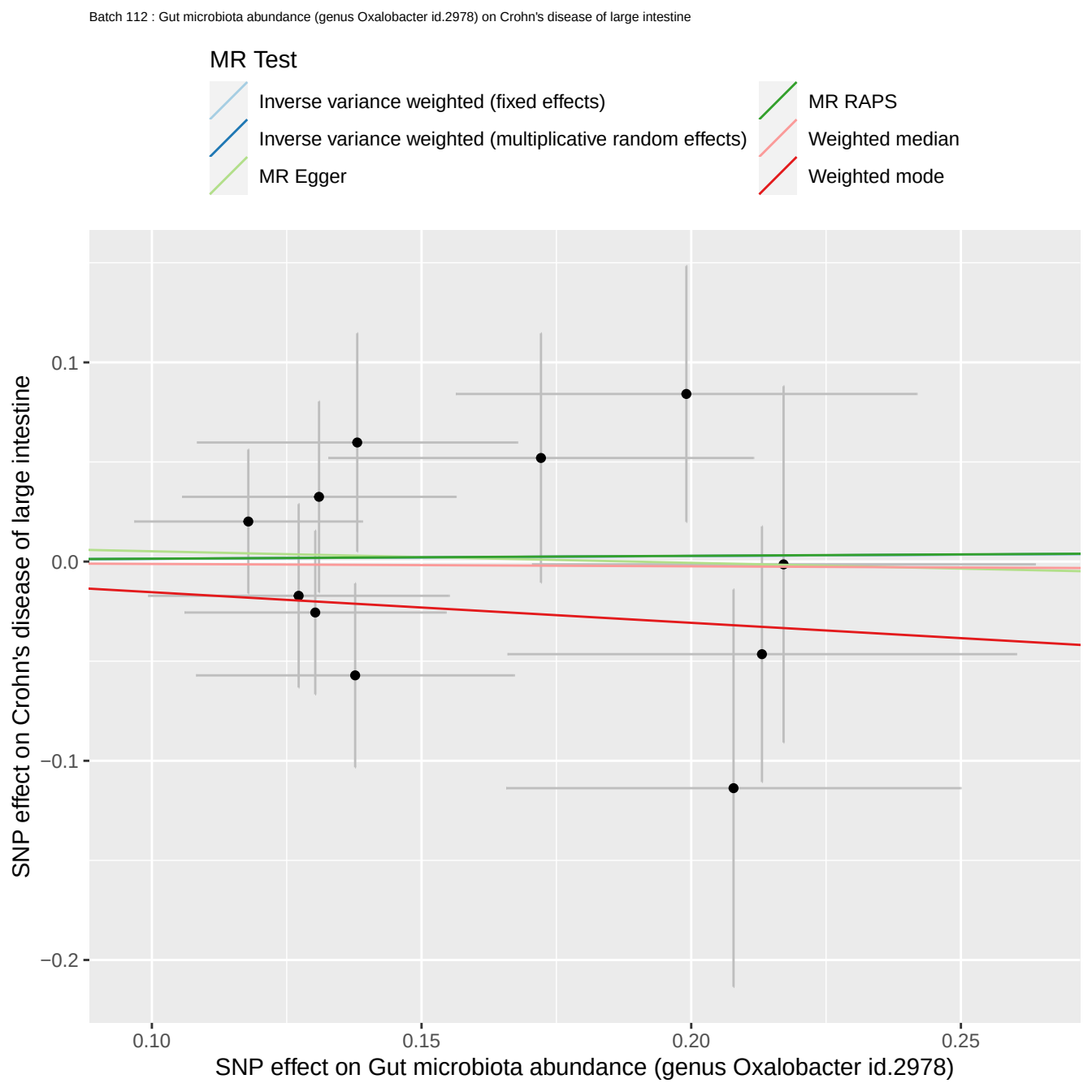

Batch 108 : Gut microbiota abundance (genus Odoribacter id.952) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

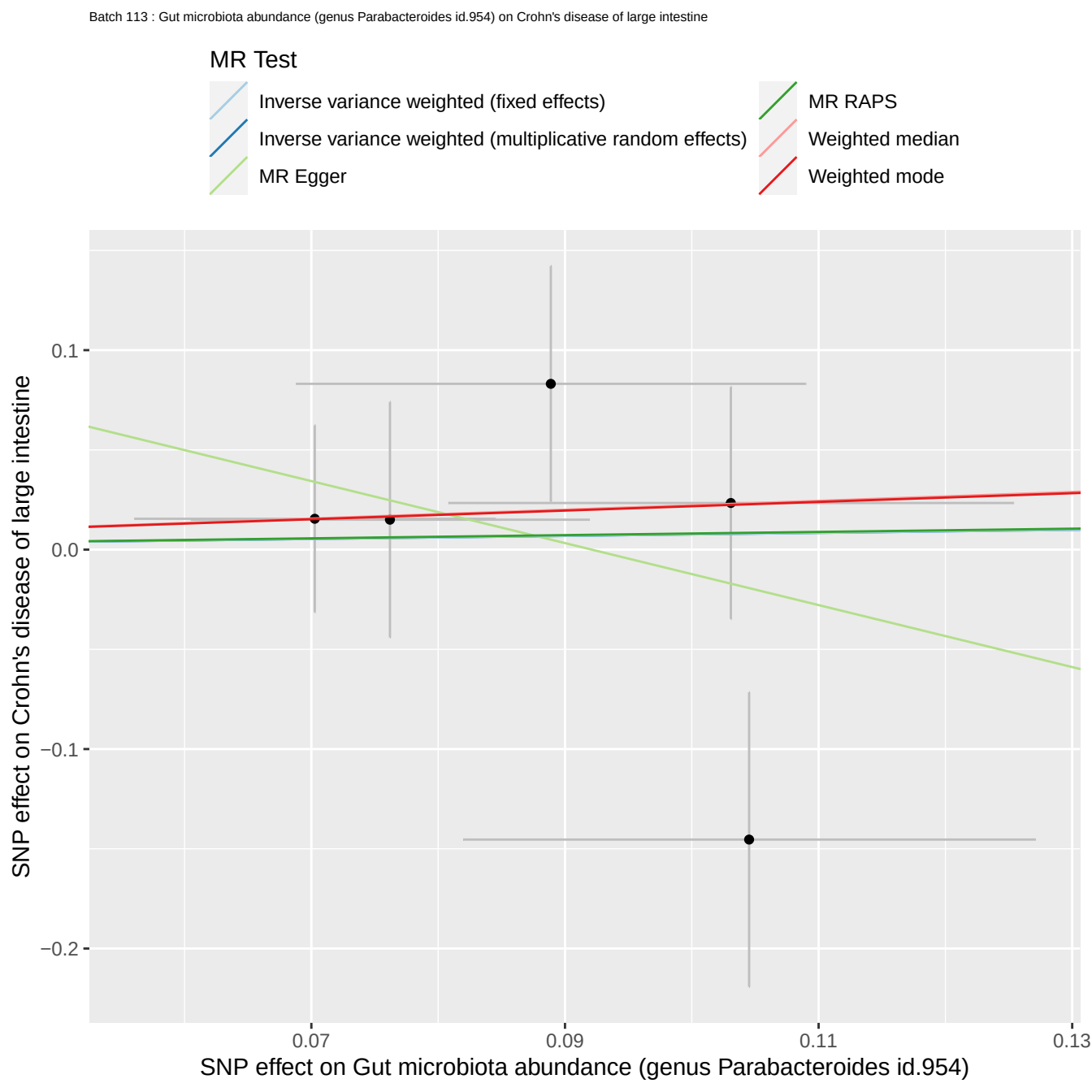
Batch 109 : Gut microbiota abundance (genus Olsenella id.822) on Crohn's disease of large intestine



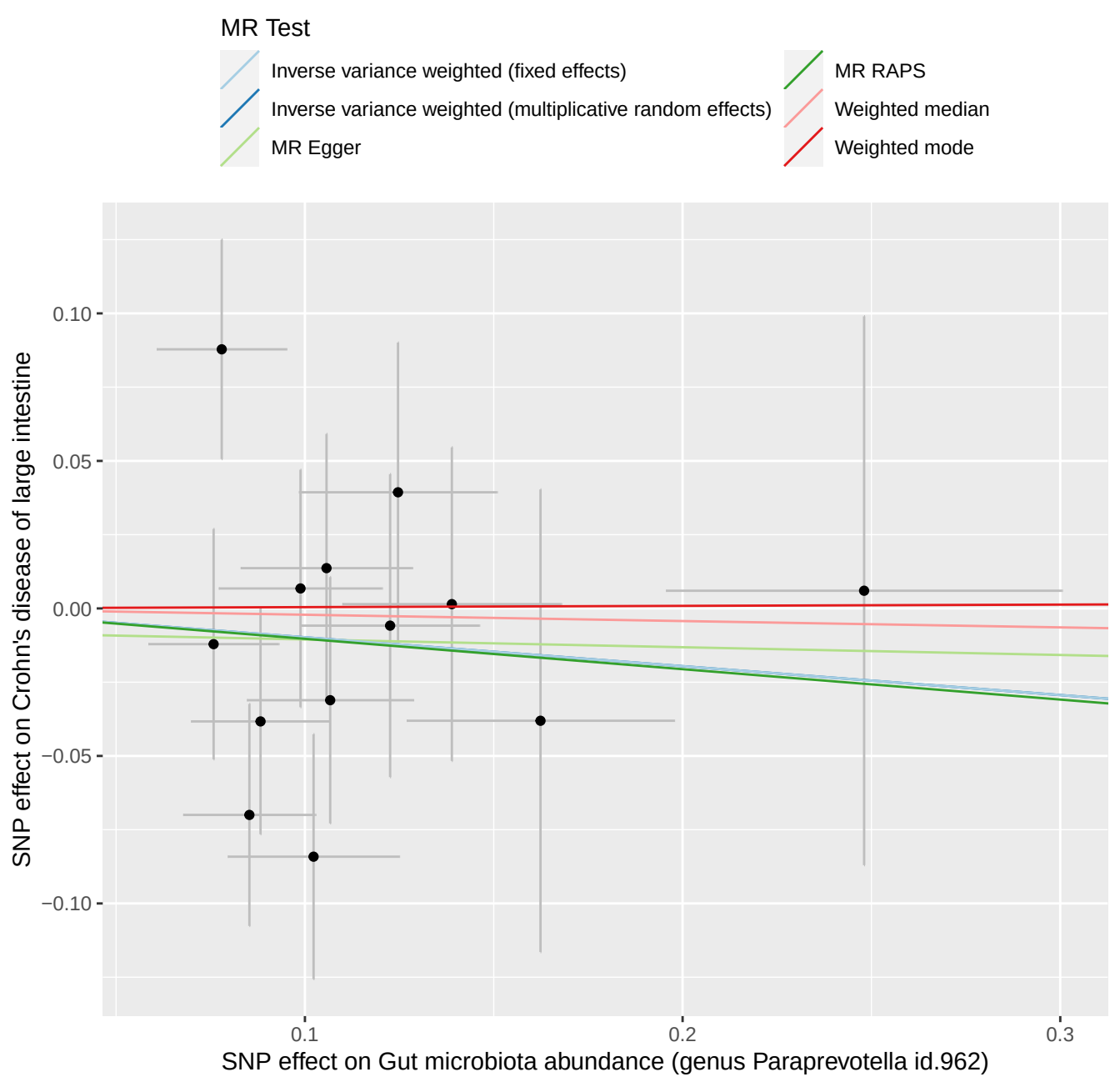

Batch 110 : Gut microbiota abundance (genus Oscillibacter id.2063) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

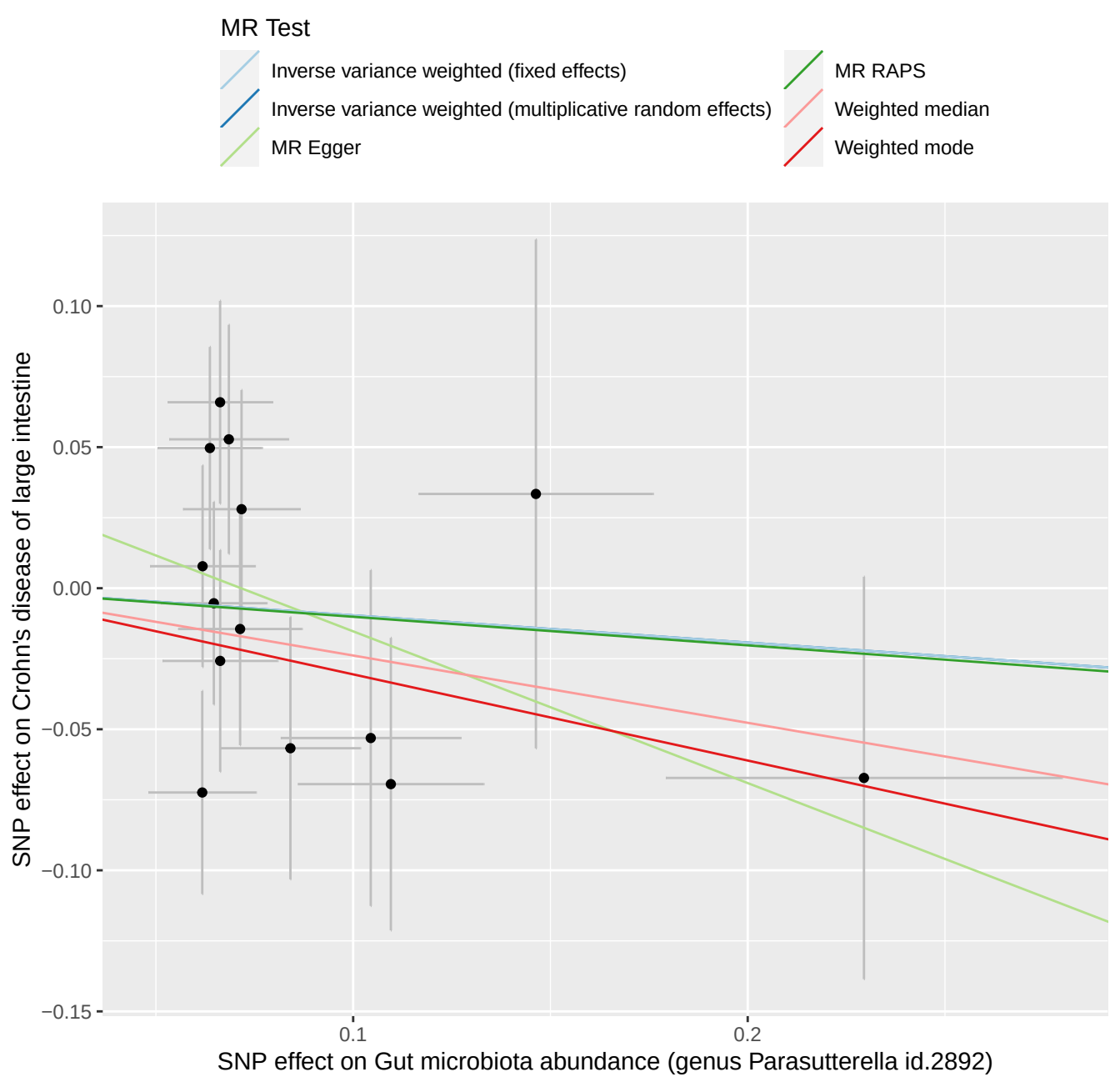

Batch 112 : Gut microbiota abundance (genus Oxalobacter id.2978) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)


Batch 113 : Gut microbiota abundance (genus Parabacteroides id.954) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
−0.2
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

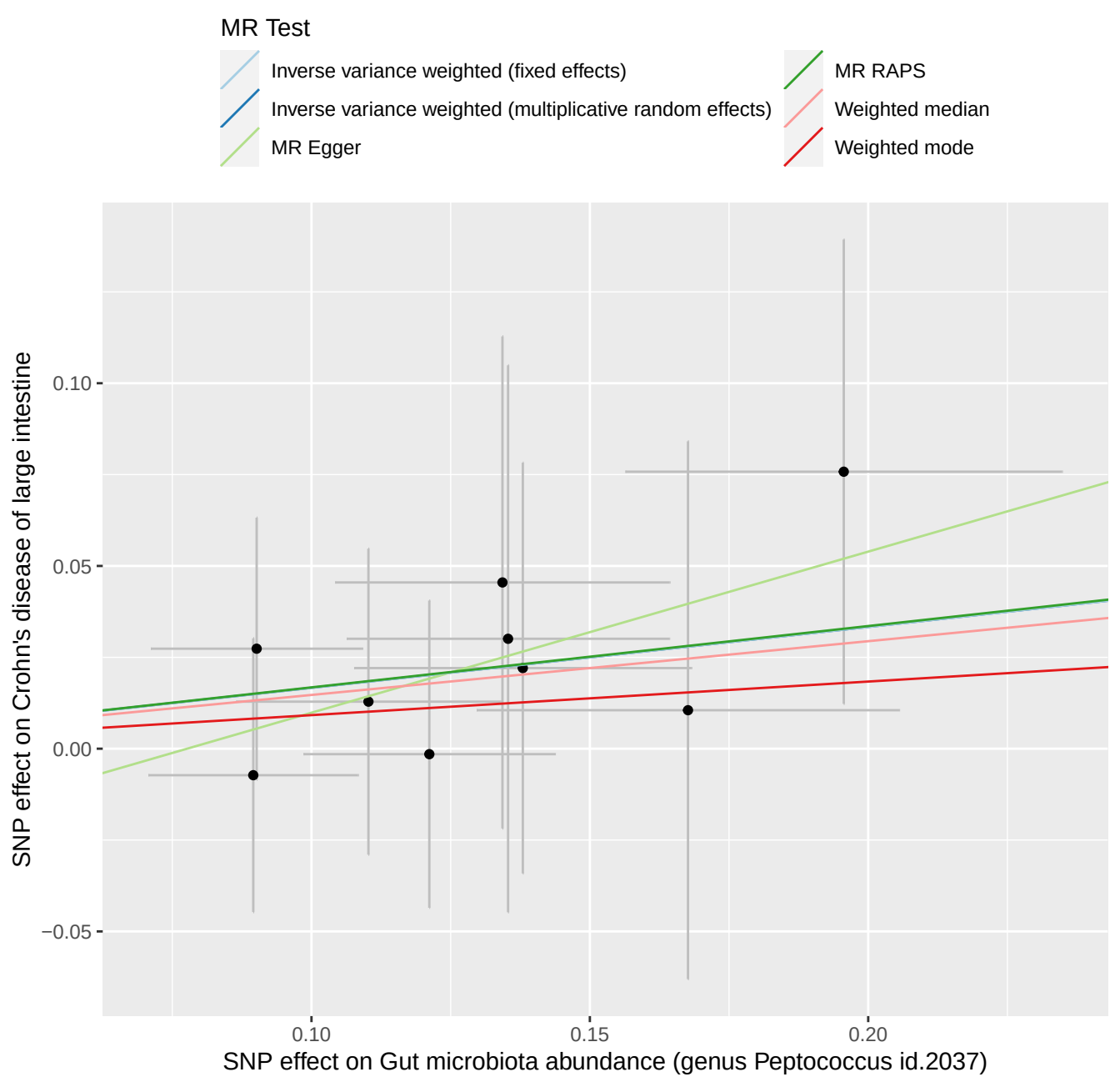
Batch 114 : Gut microbiota abundance (genus Paraprevotella id.962) on Crohn's disease of large intestine

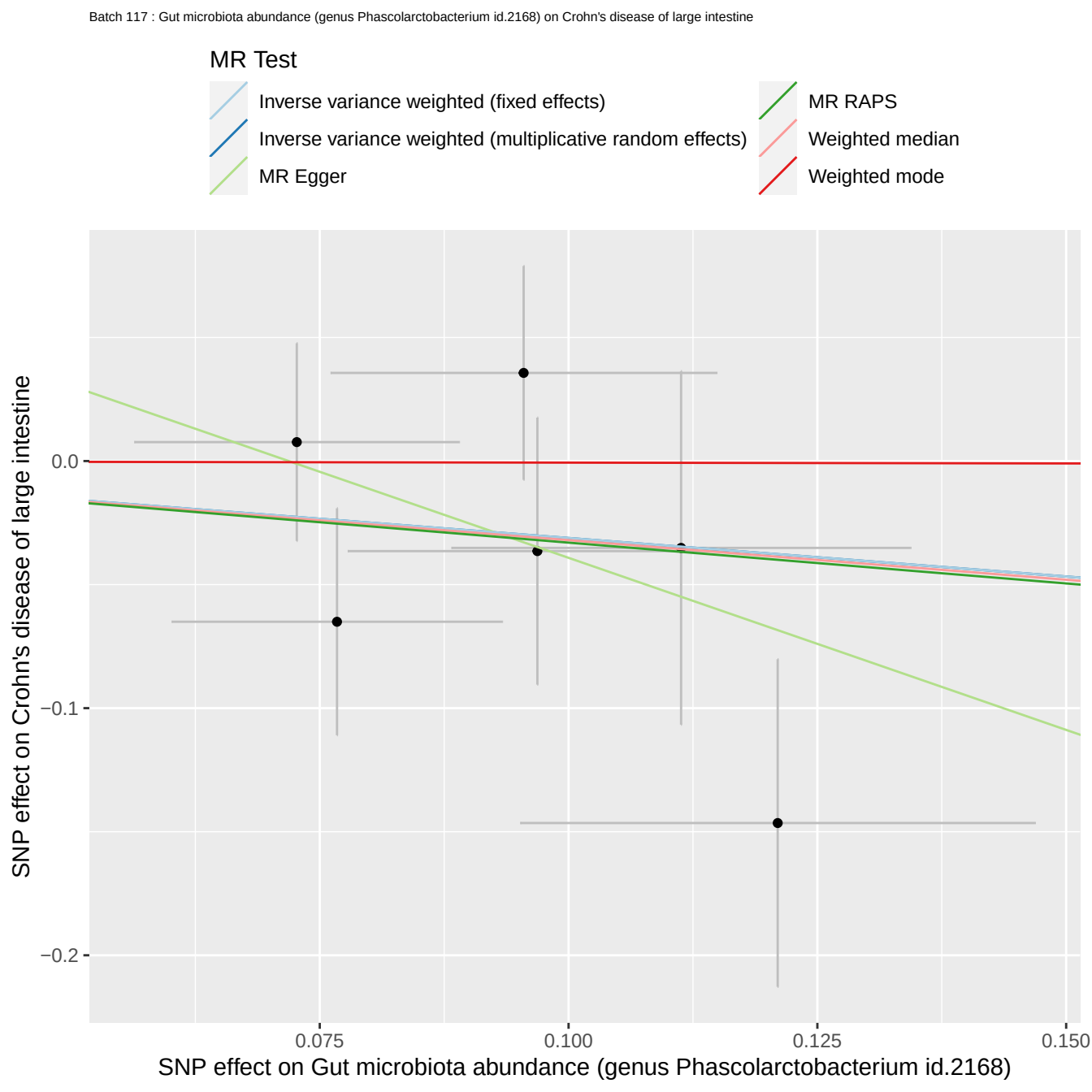


Batch 115 : Gut microbiota abundance (genus Parasutterella id.2892) on Crohn's disease of large intestine

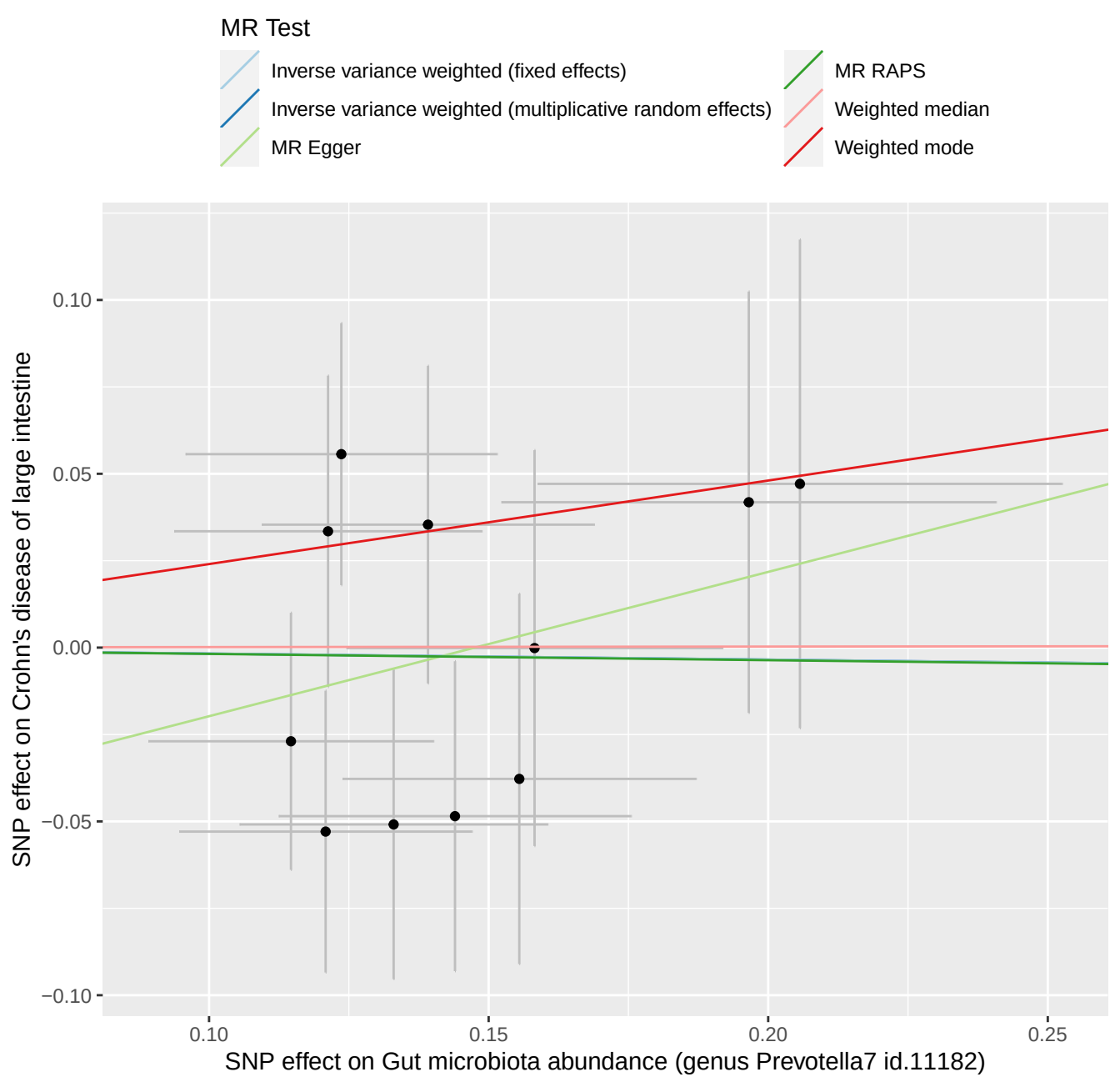


Batch 116 : Gut microbiota abundance (genus Peptococcus id.2037) on Crohn's disease of large intestine

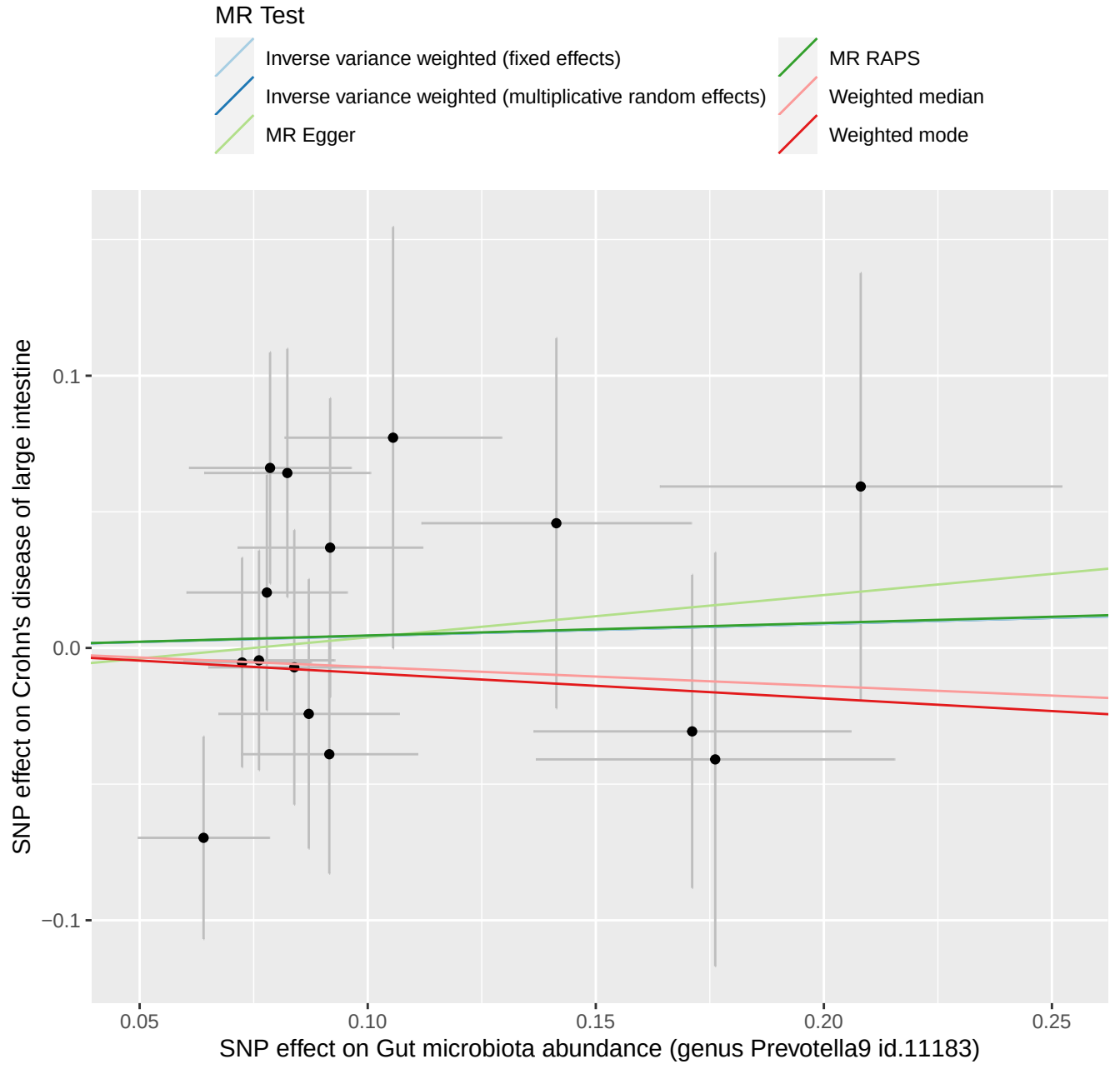



Batch 117 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.0
−0.1
−0.2
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

Batch 118 : Gut microbiota abundance (genus Prevotella7 id.11182) on Crohn's disease of large intestine

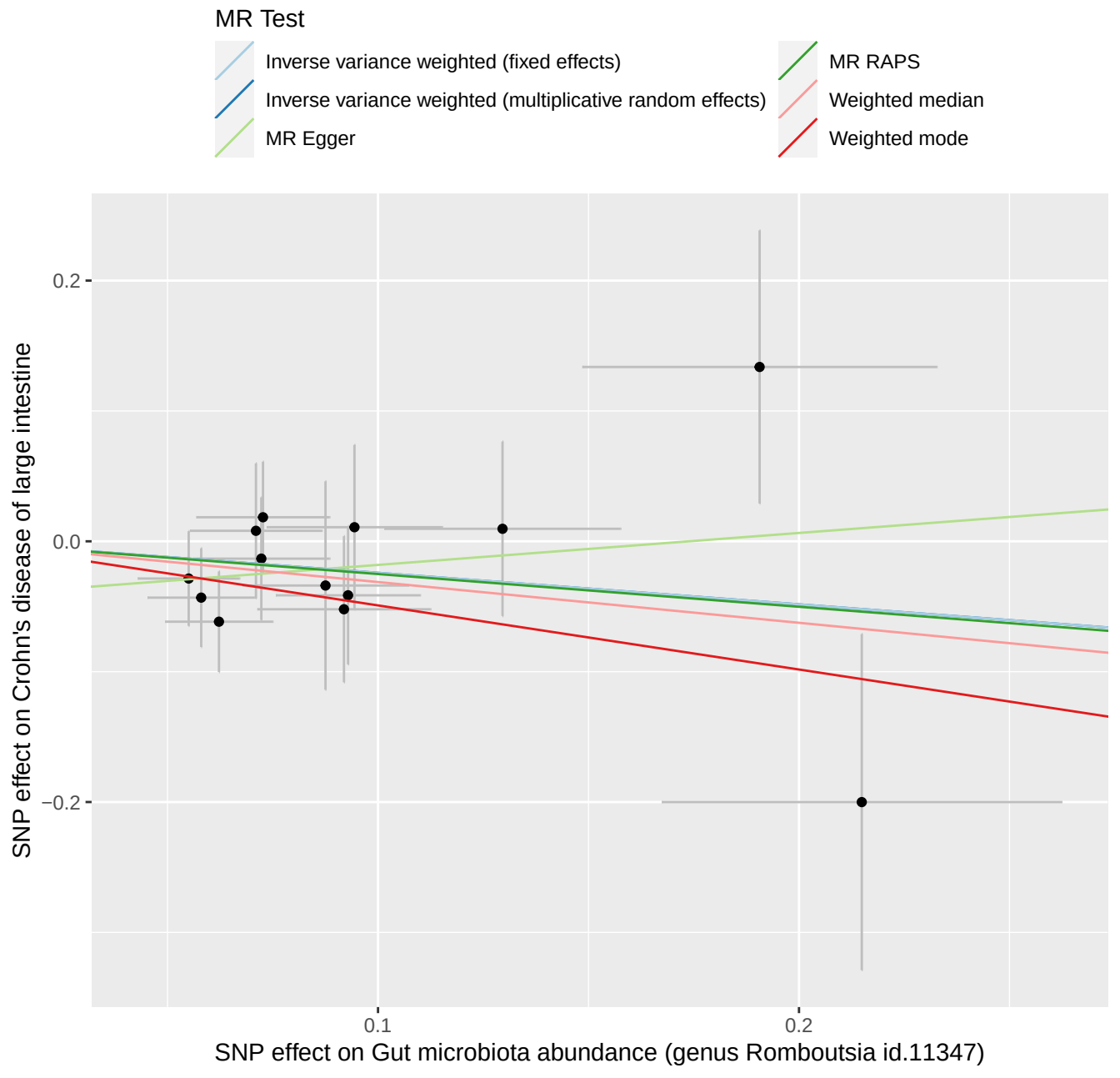


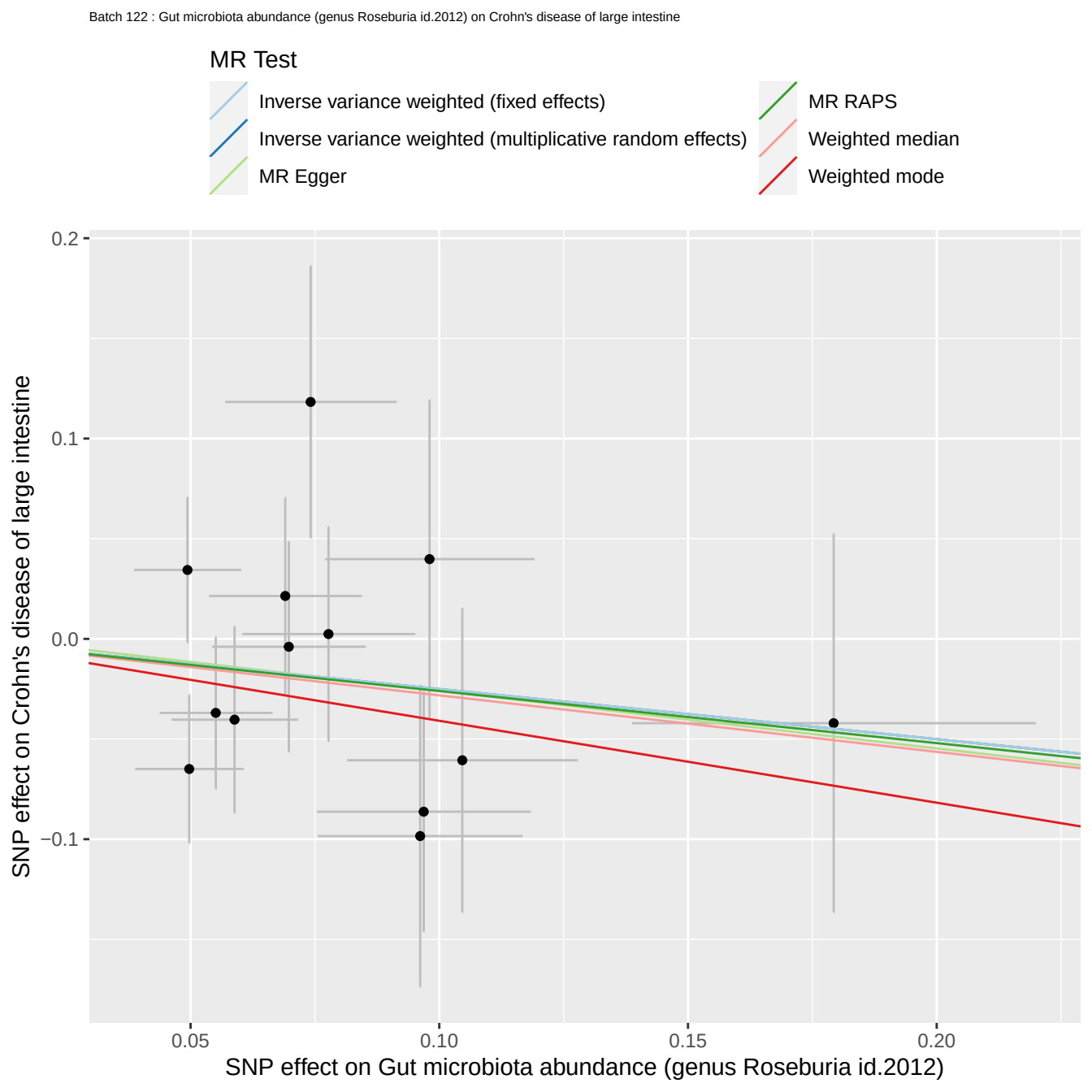
Batch 119 : Gut microbiota abundance (genus Prevotella9 id.11183) on Crohn's disease of large intestine

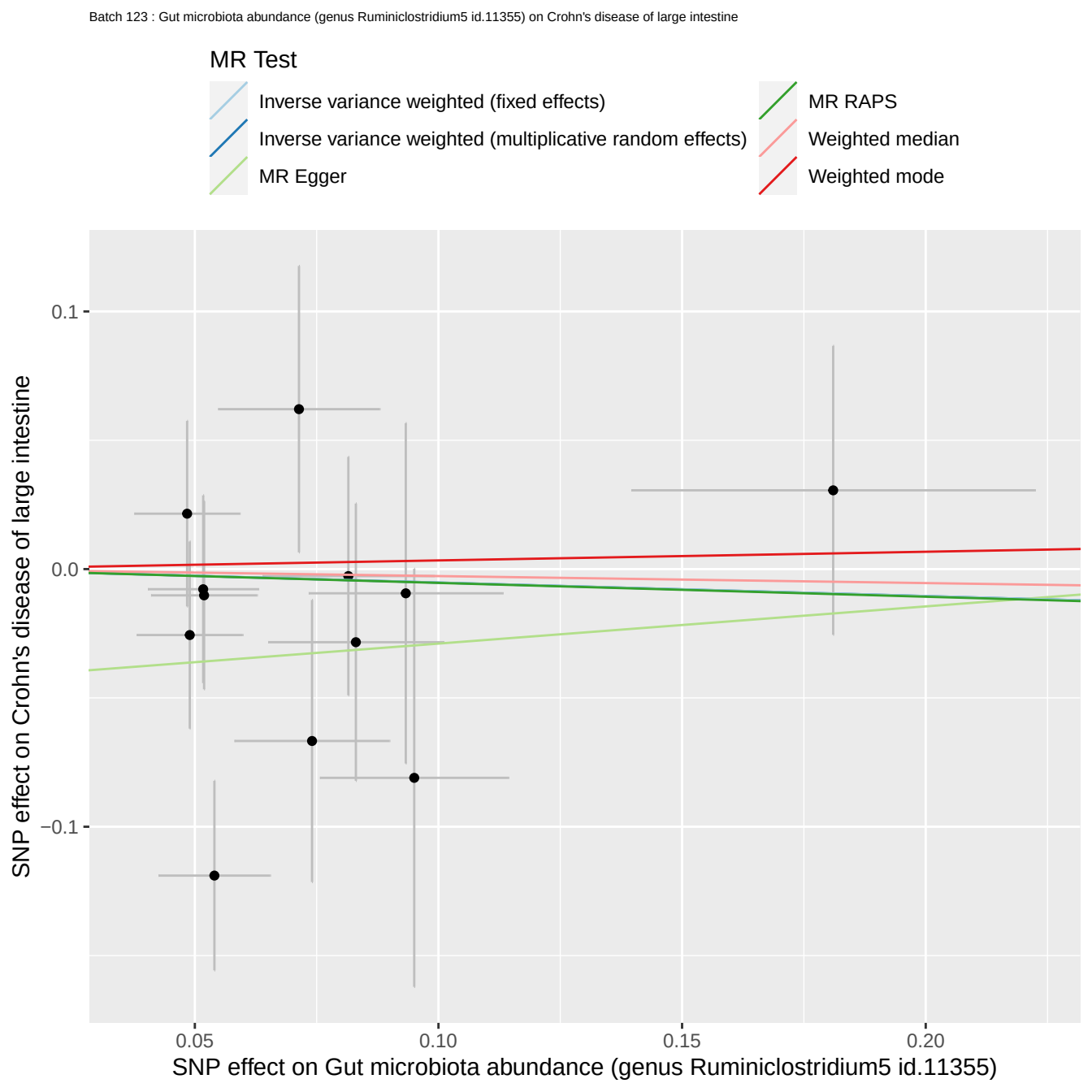


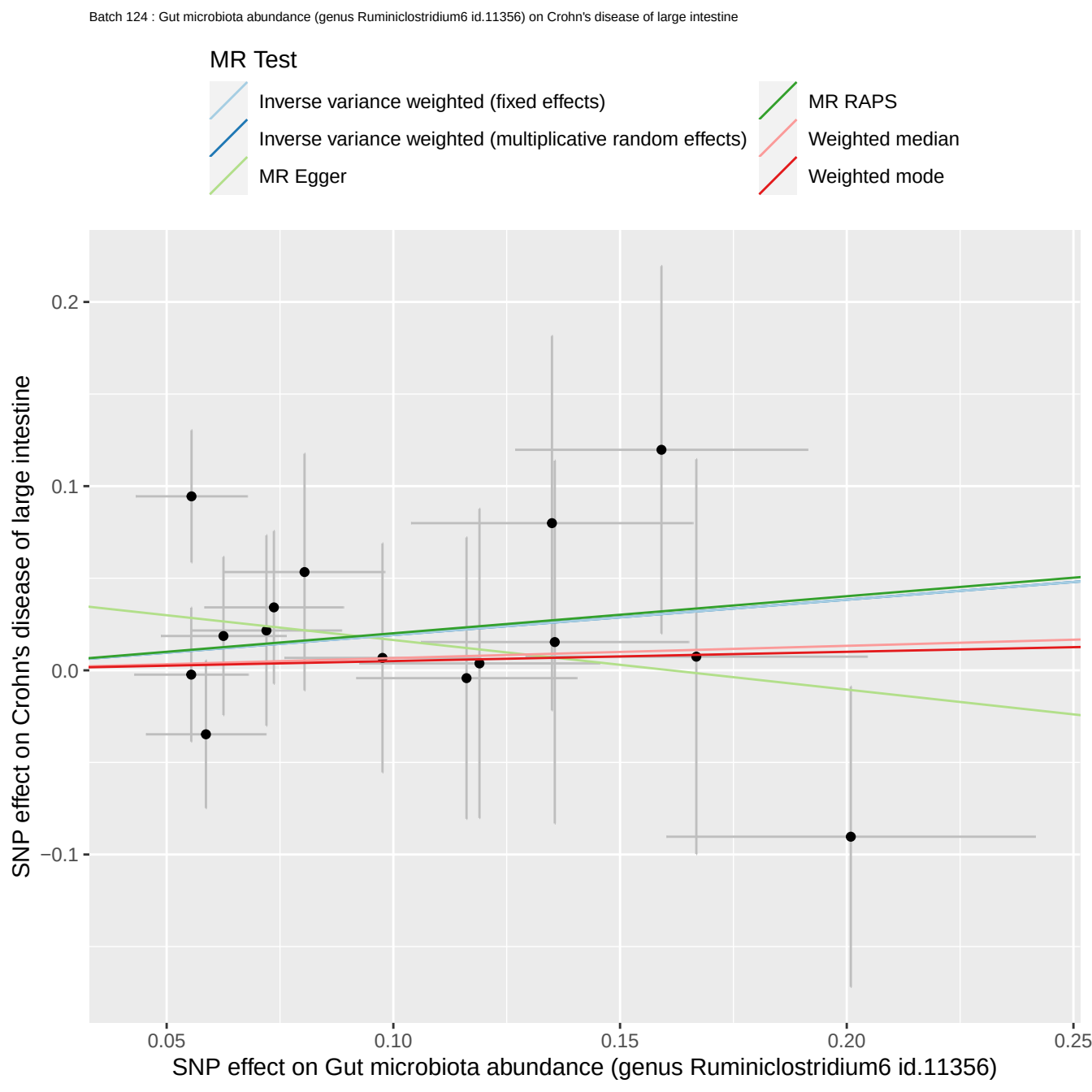
Batch 120 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of large intestine
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

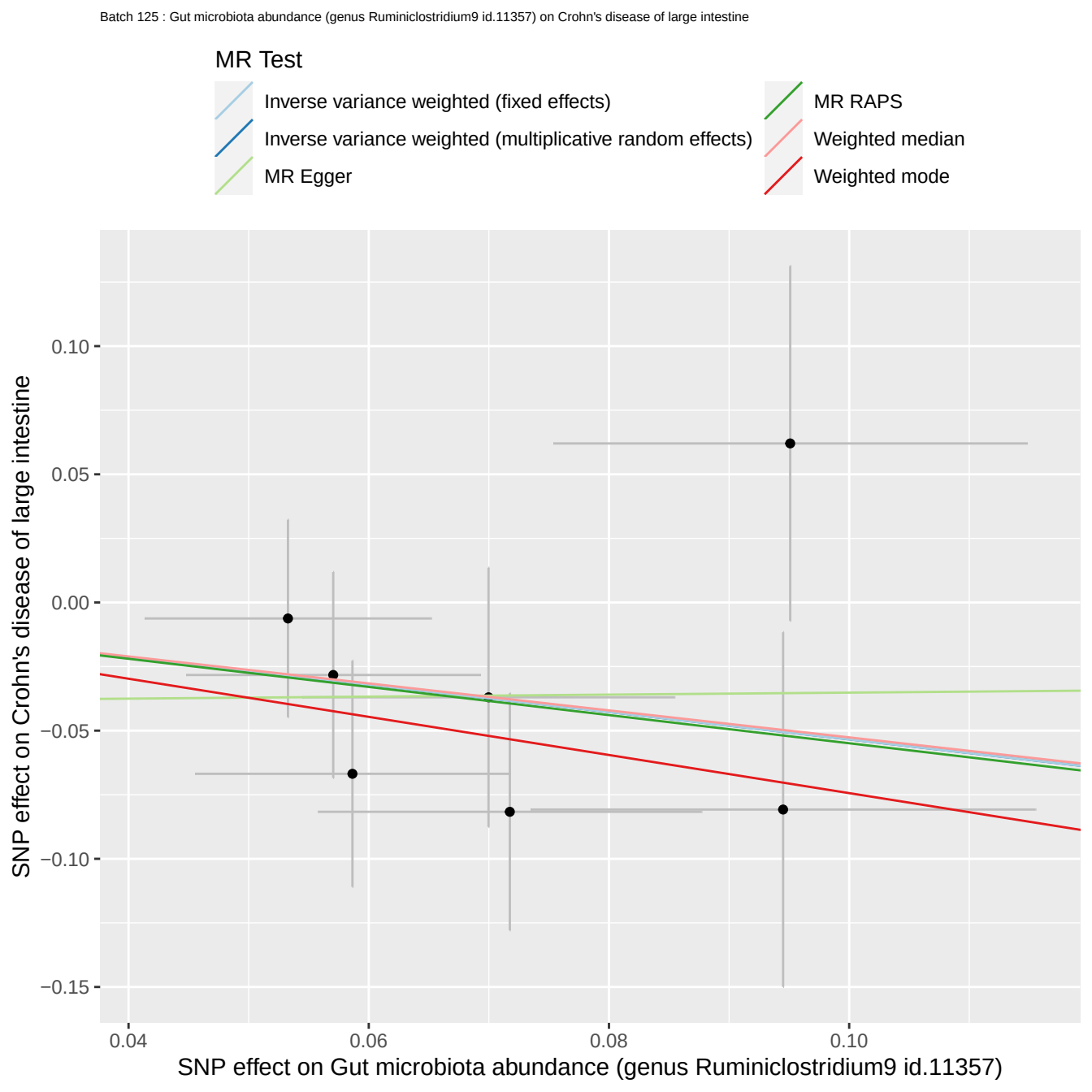
Batch 121 : Gut microbiota abundance (genus Romboutsia id.11347) on Crohn's disease of large intestine

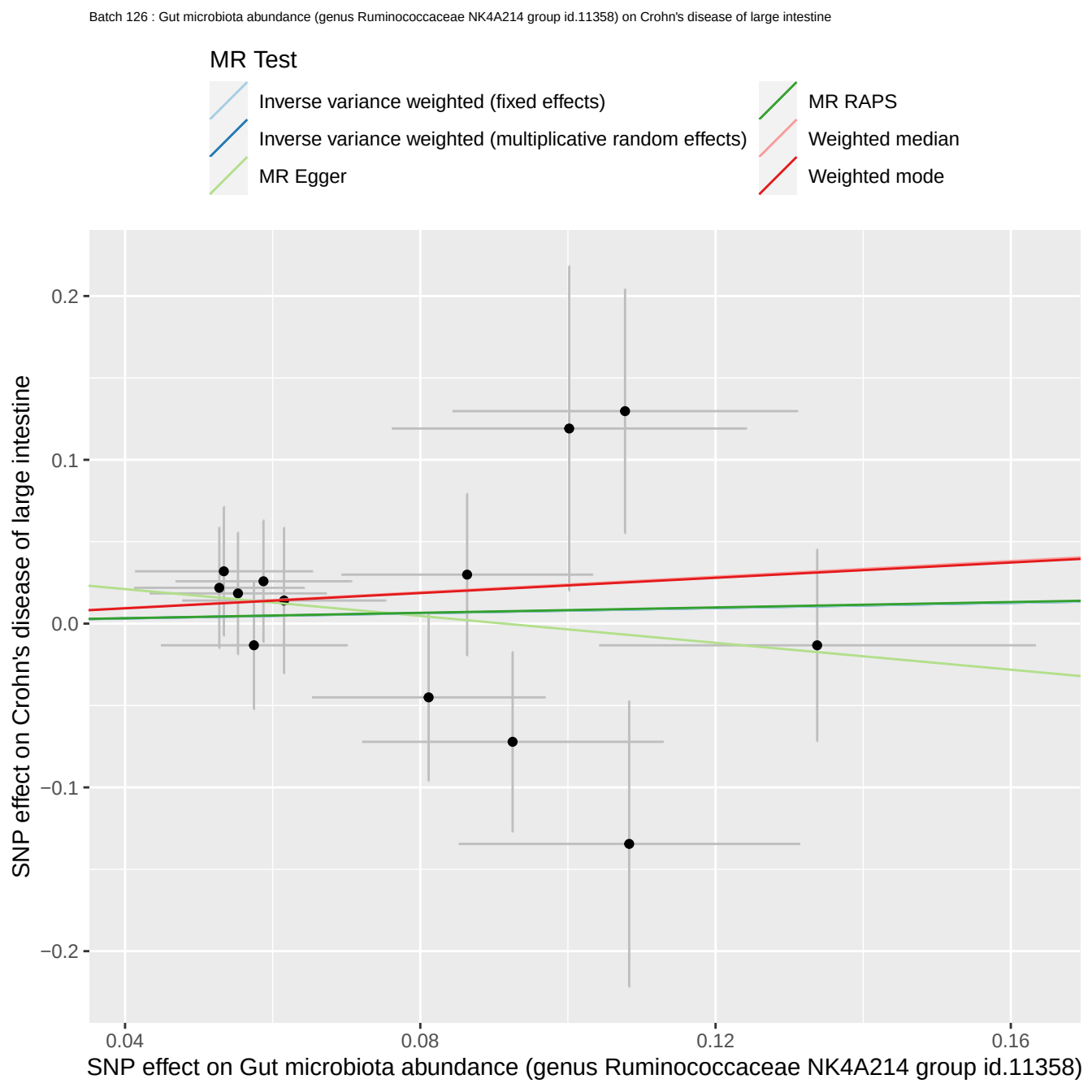



Batch 122 : Gut microbiota abundance (genus Roseburia id.2012) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

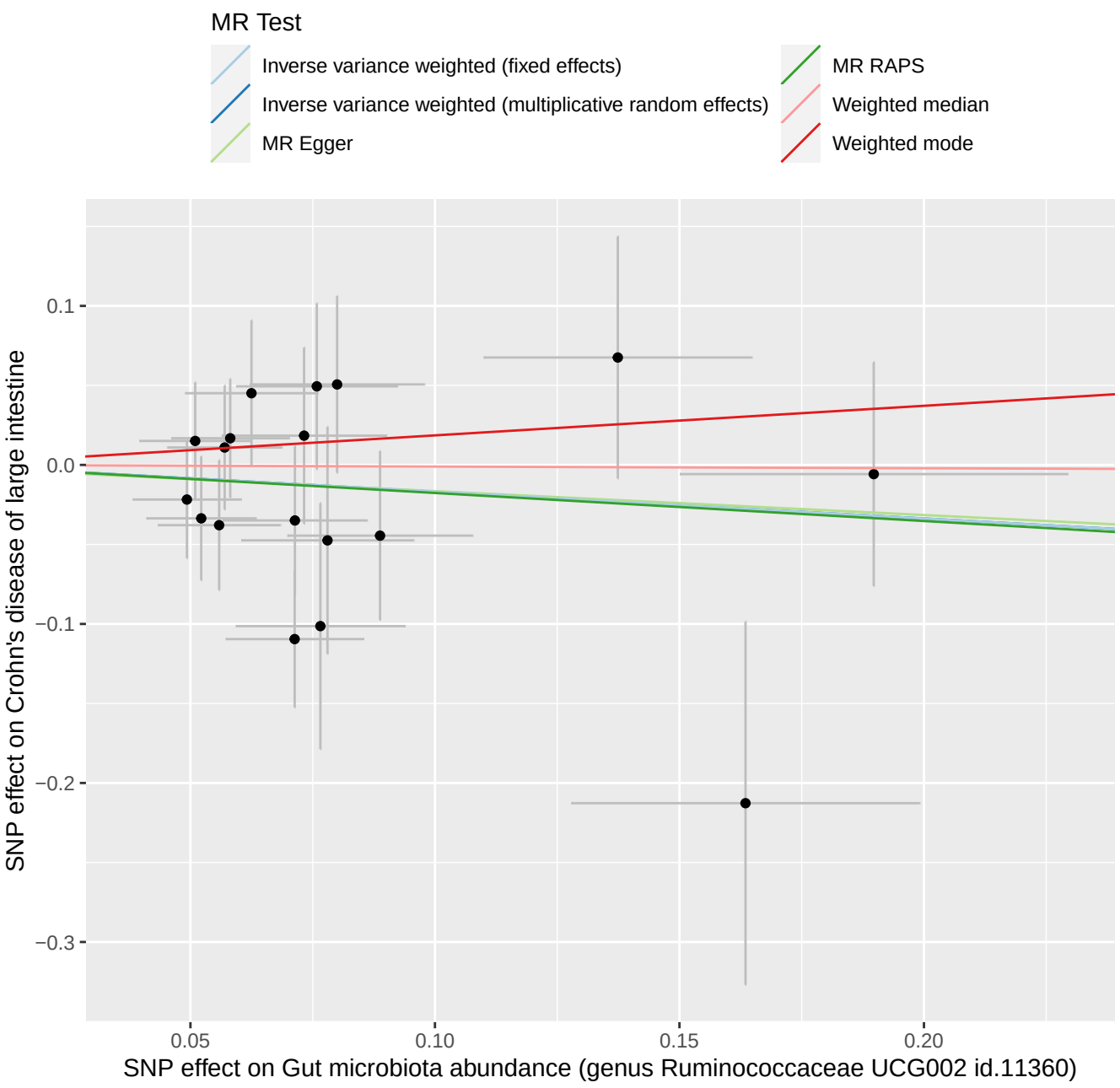

Batch 123 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

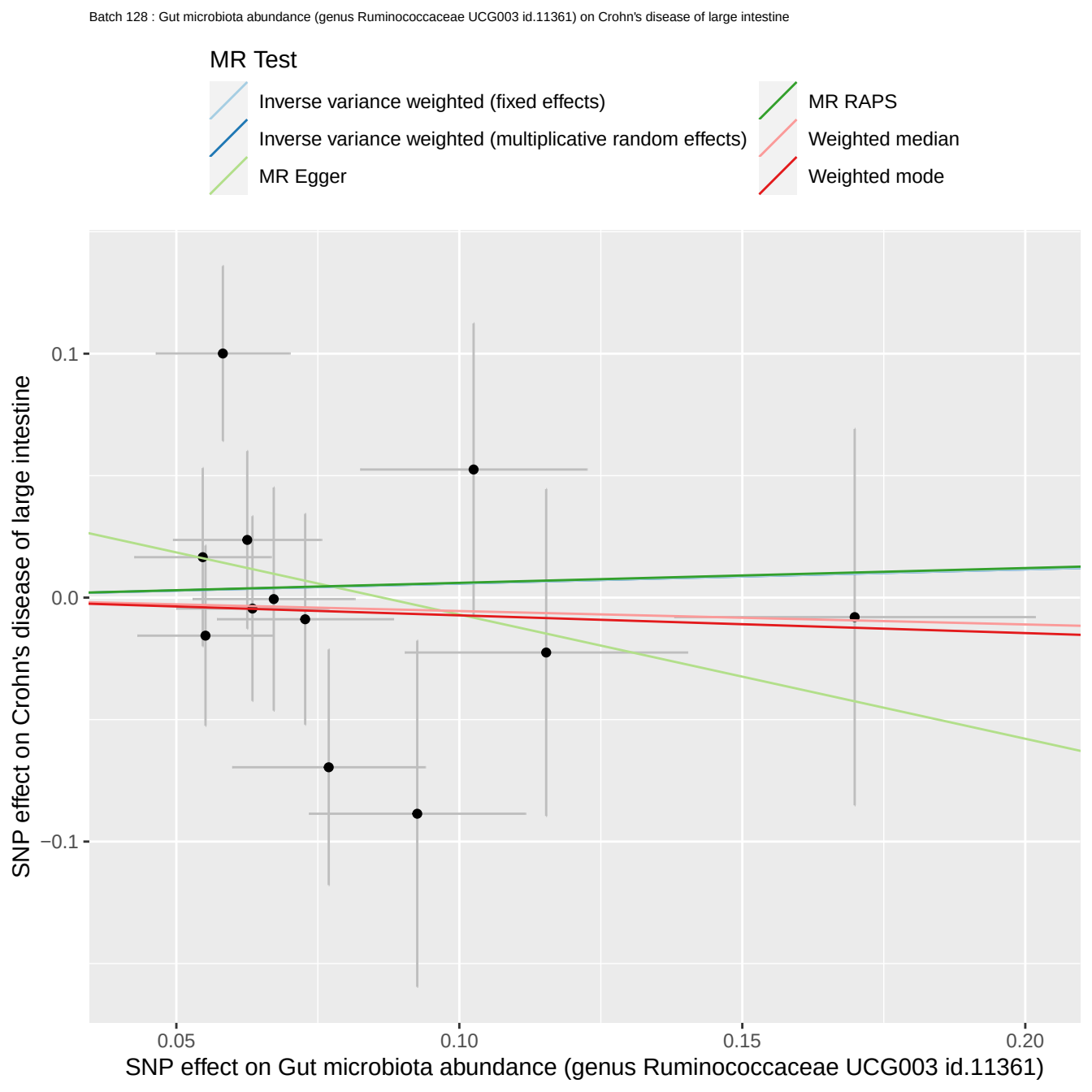

Batch 124 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.04
0.06
0.08
0.10
SNP effect on Crohn's disease of large intestine
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

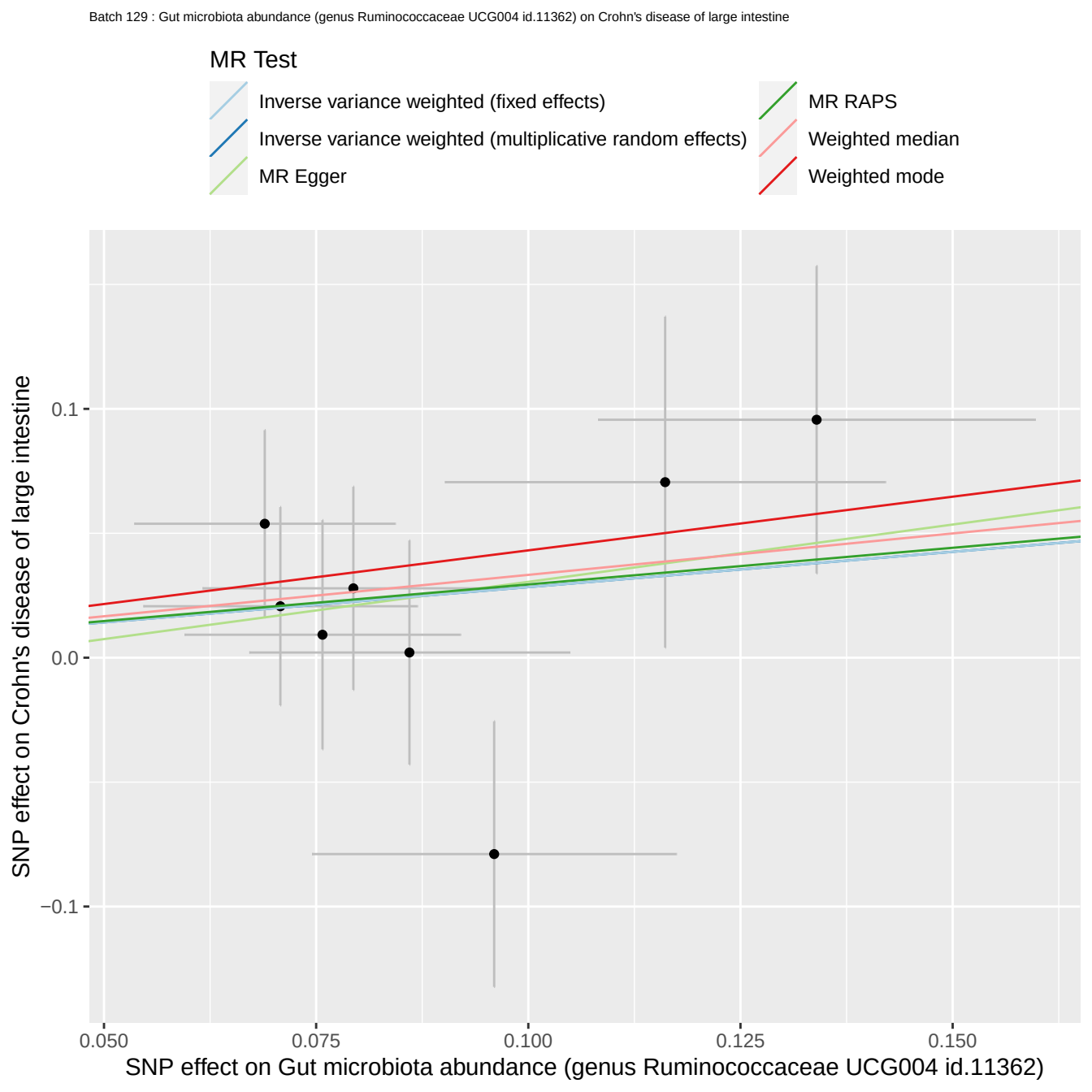

Batch 126 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)

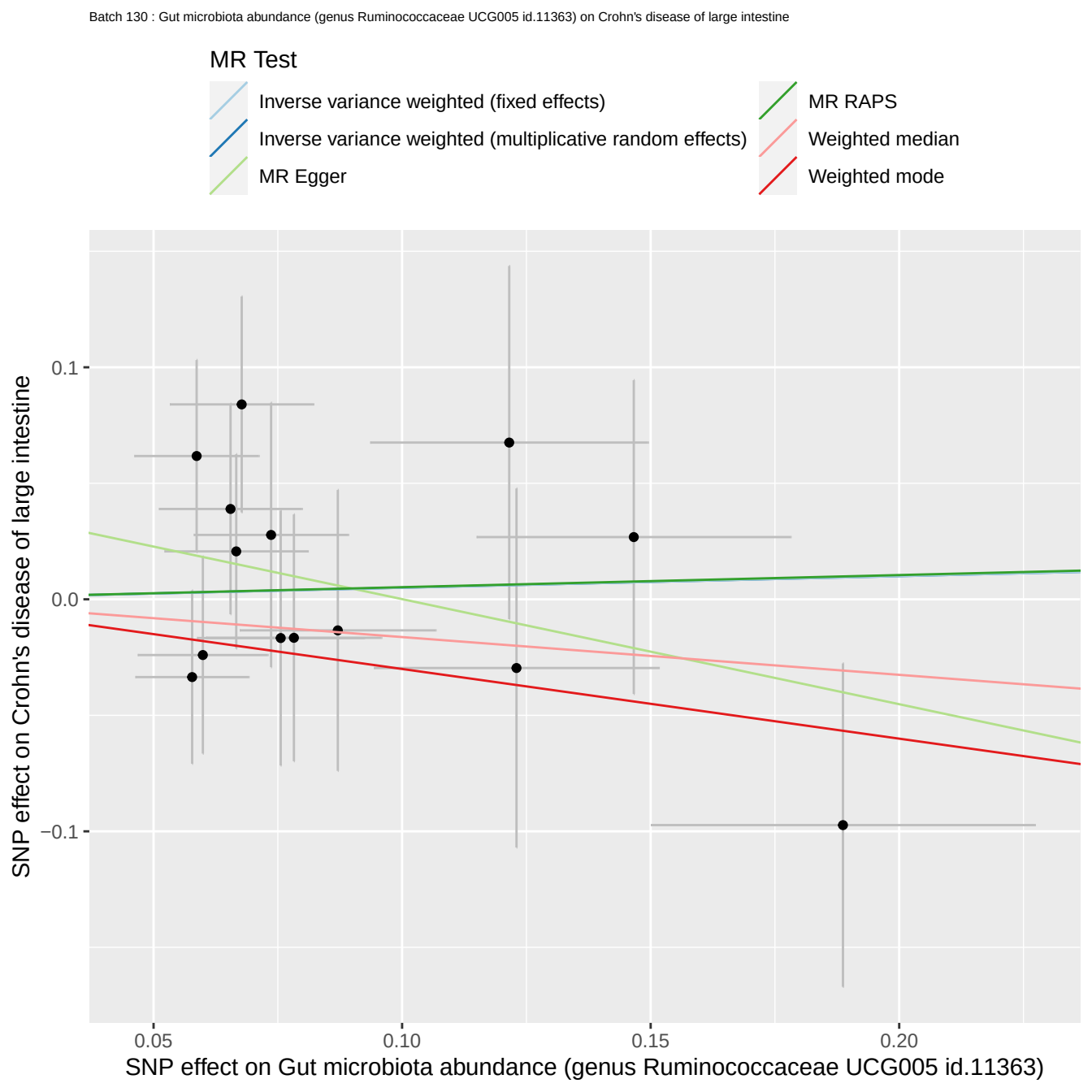
Batch 127 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Crohn's disease of large intestine

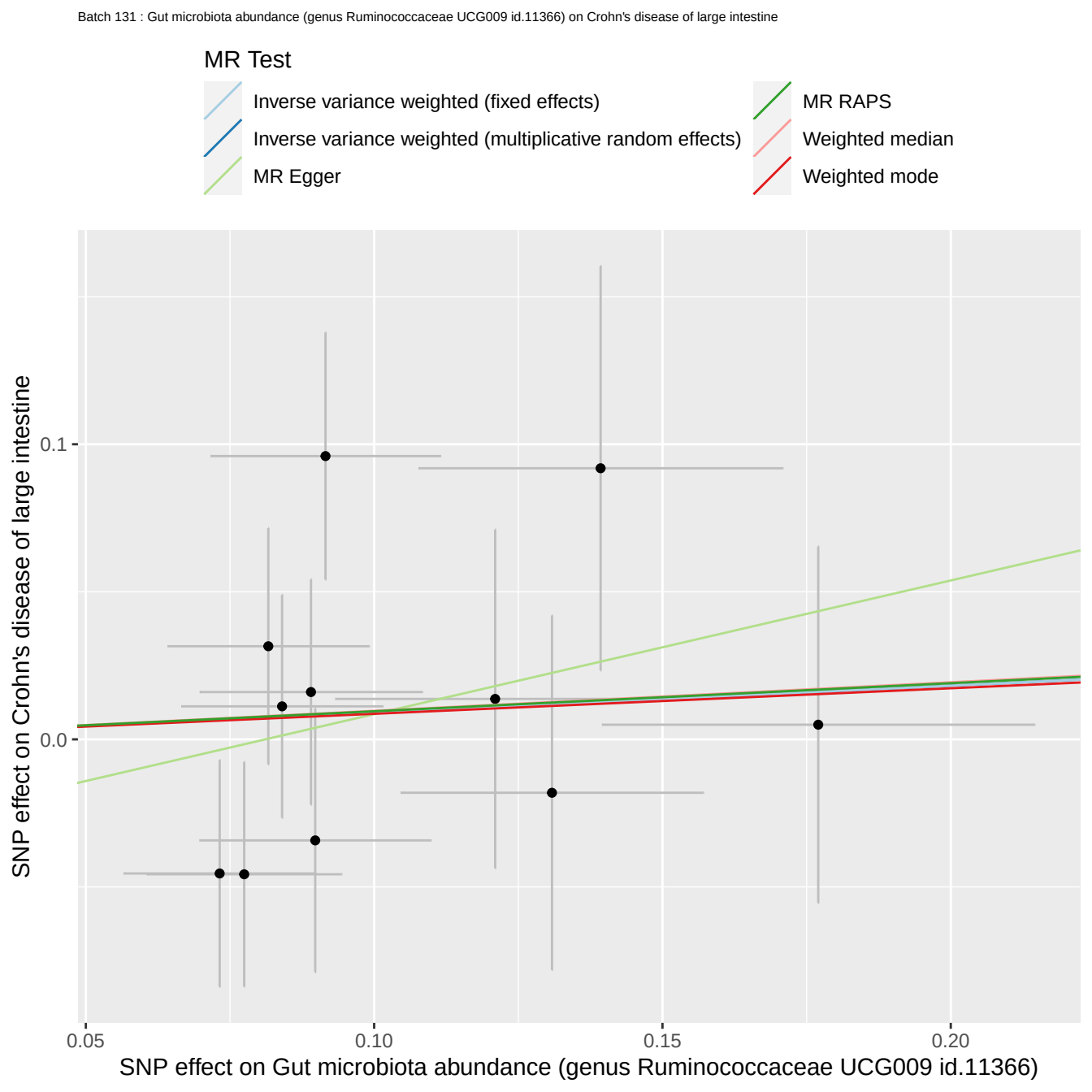



Batch 128 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

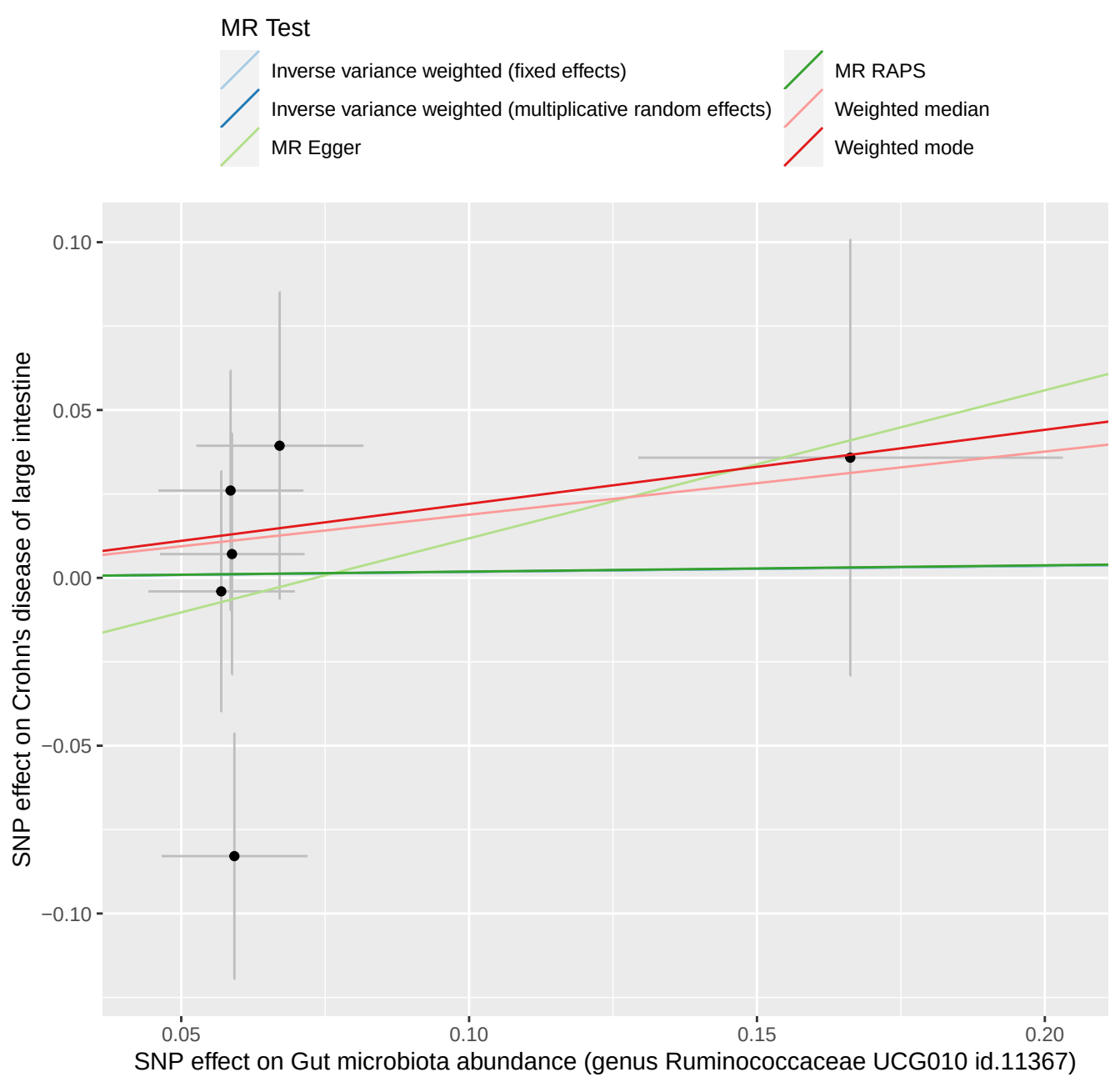
Batch 129 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Crohn's disease of large intestine



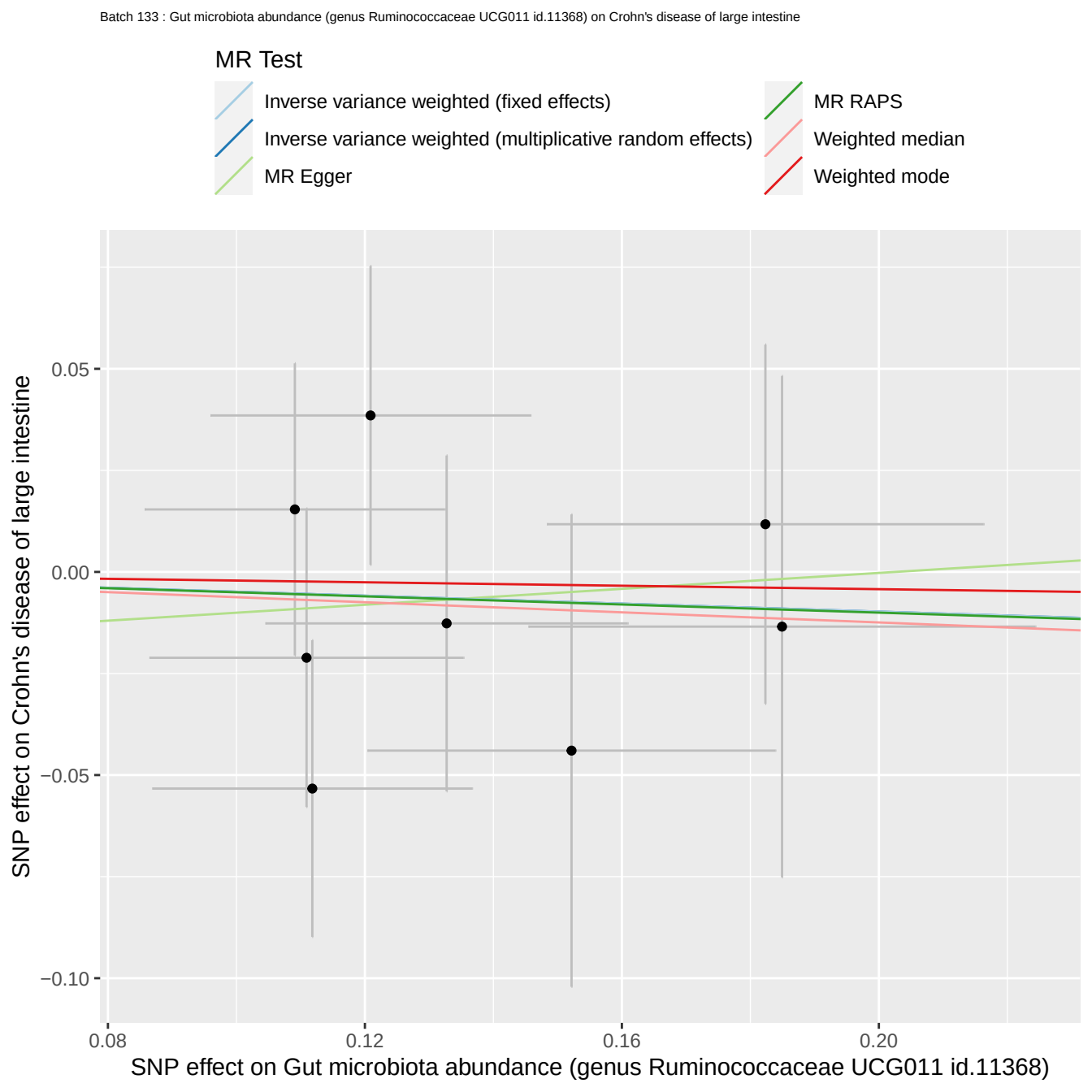

Batch 130 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

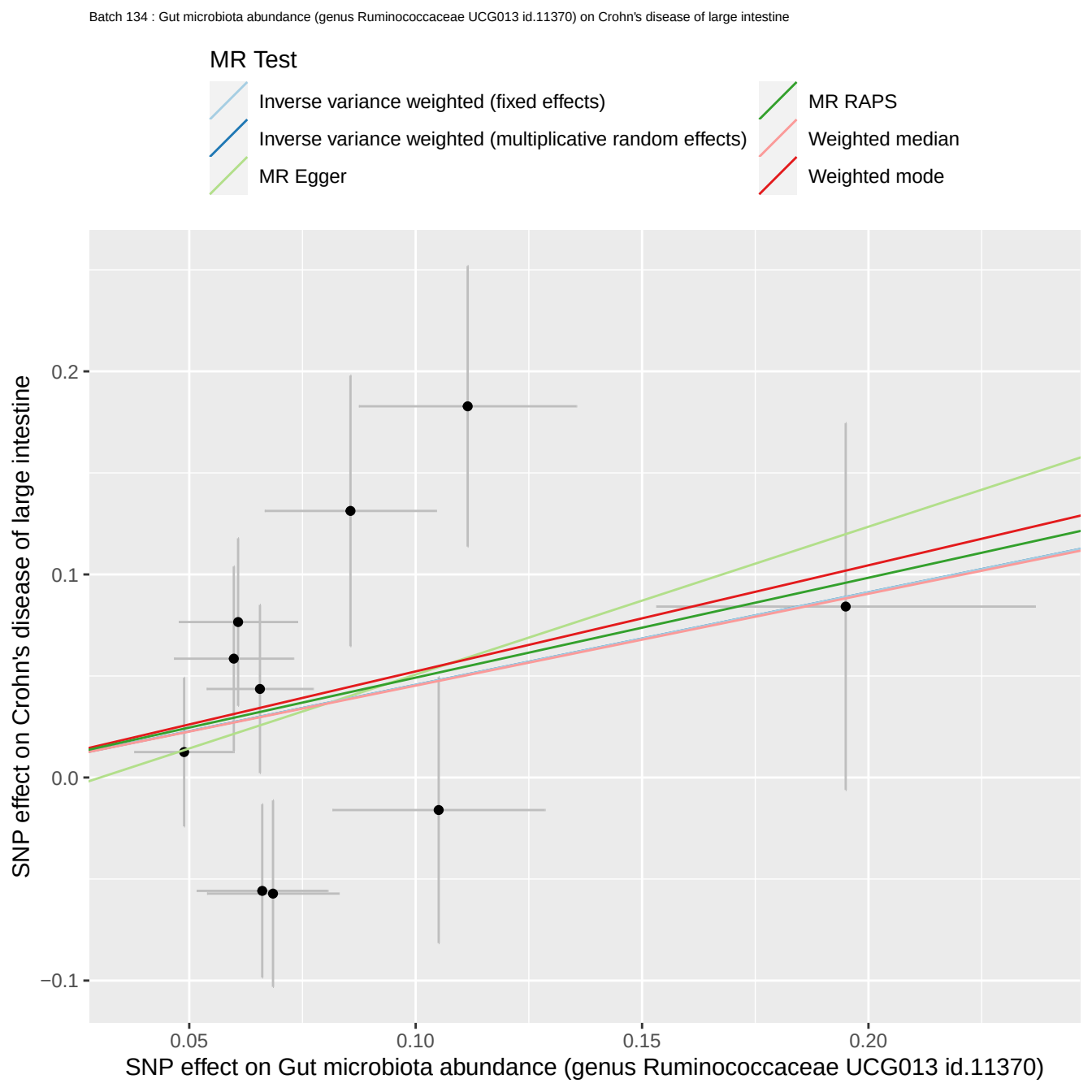

Batch 131 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

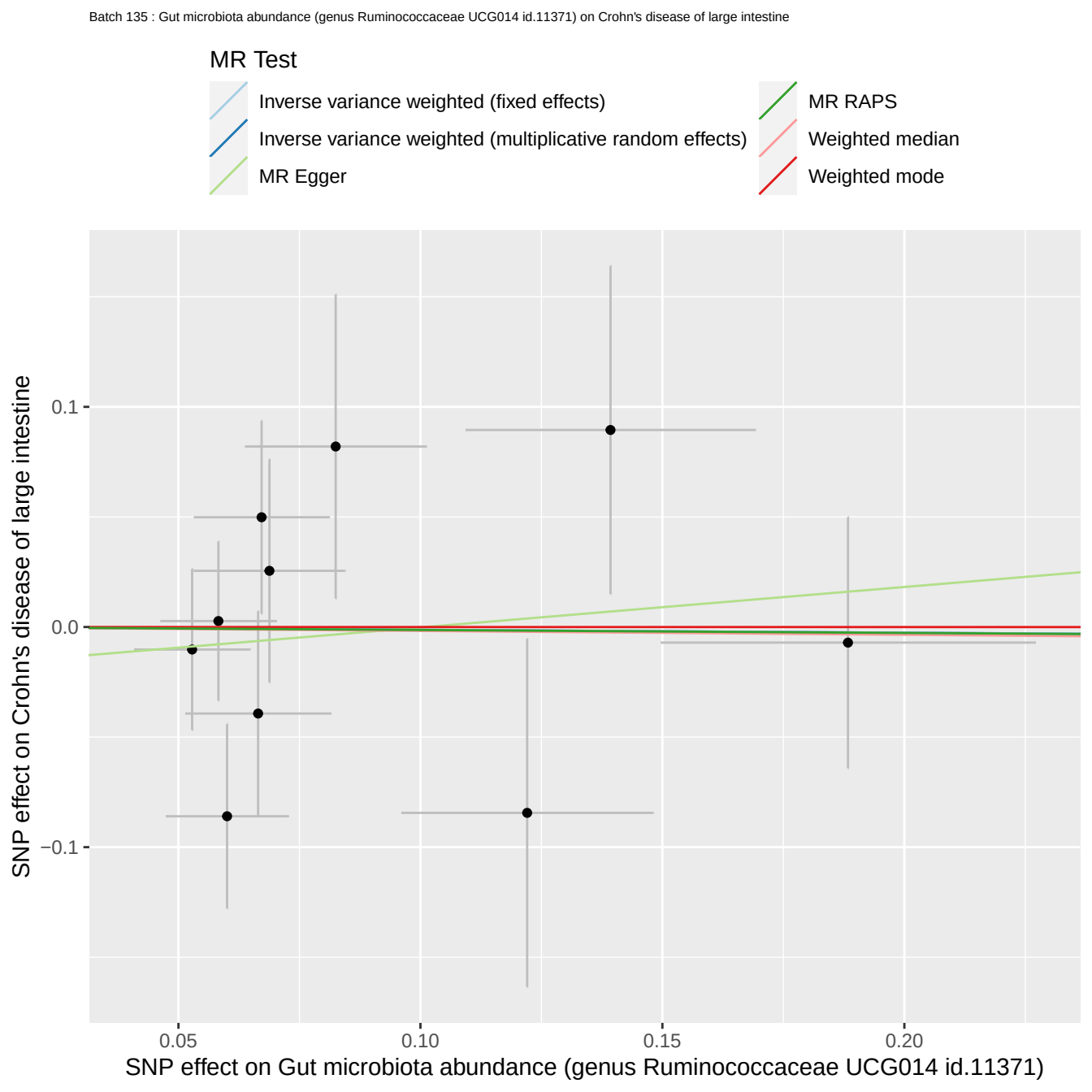
Batch 132 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Crohn's disease of large intestine



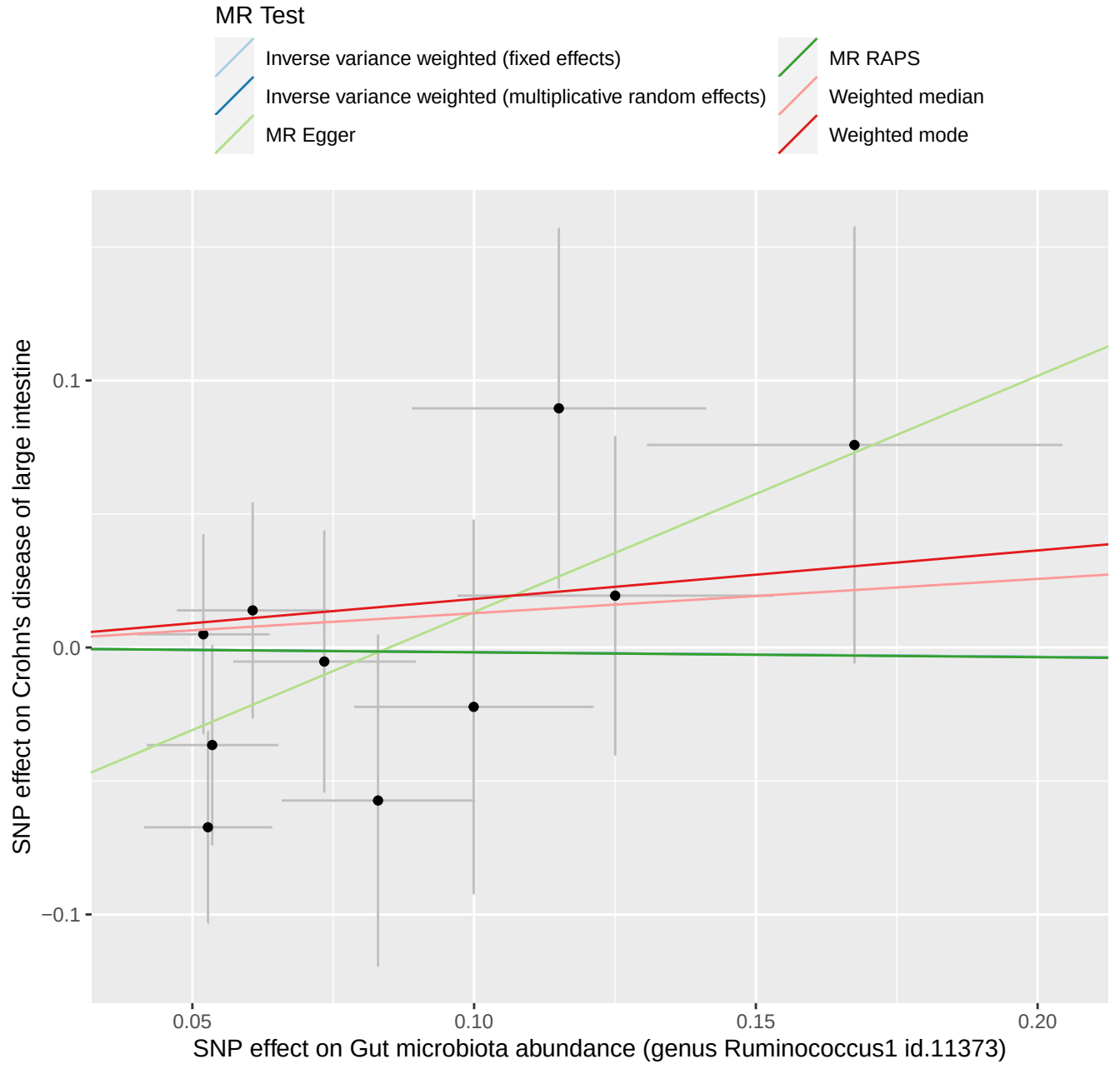
Batch 133 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Crohn's disease of large intestine

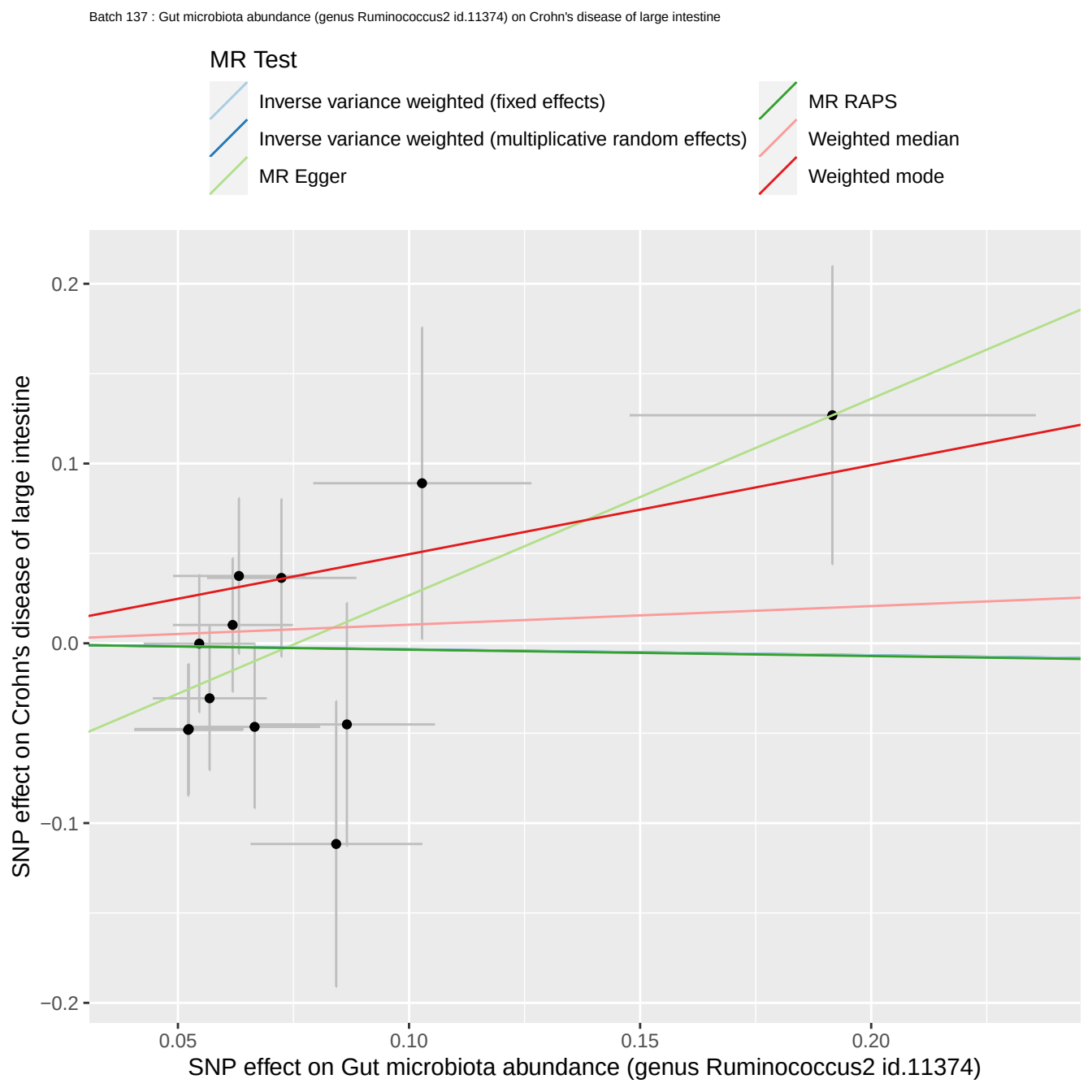



Batch 134 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)

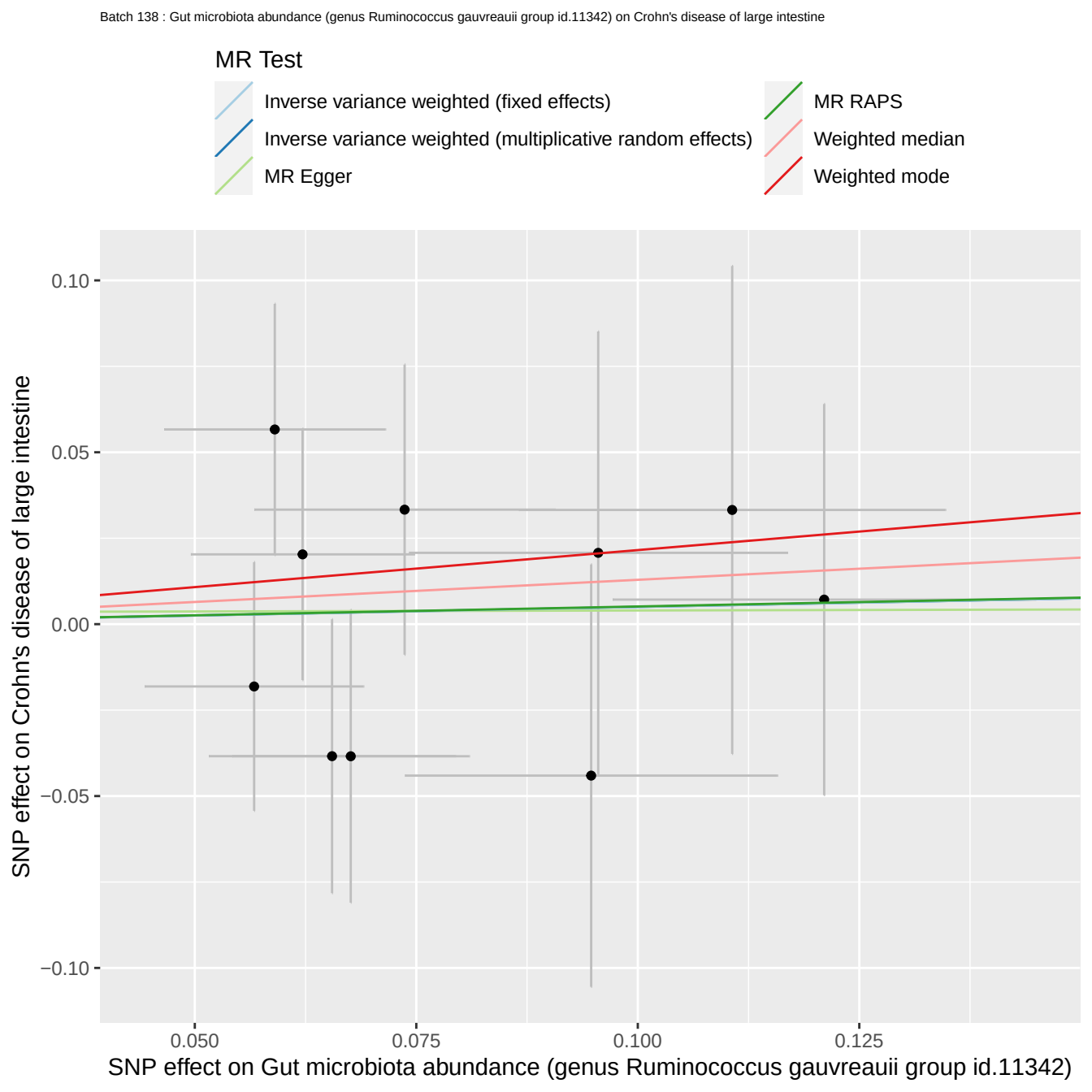

Batch 135 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

Batch 136 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Crohn's disease of large intestine

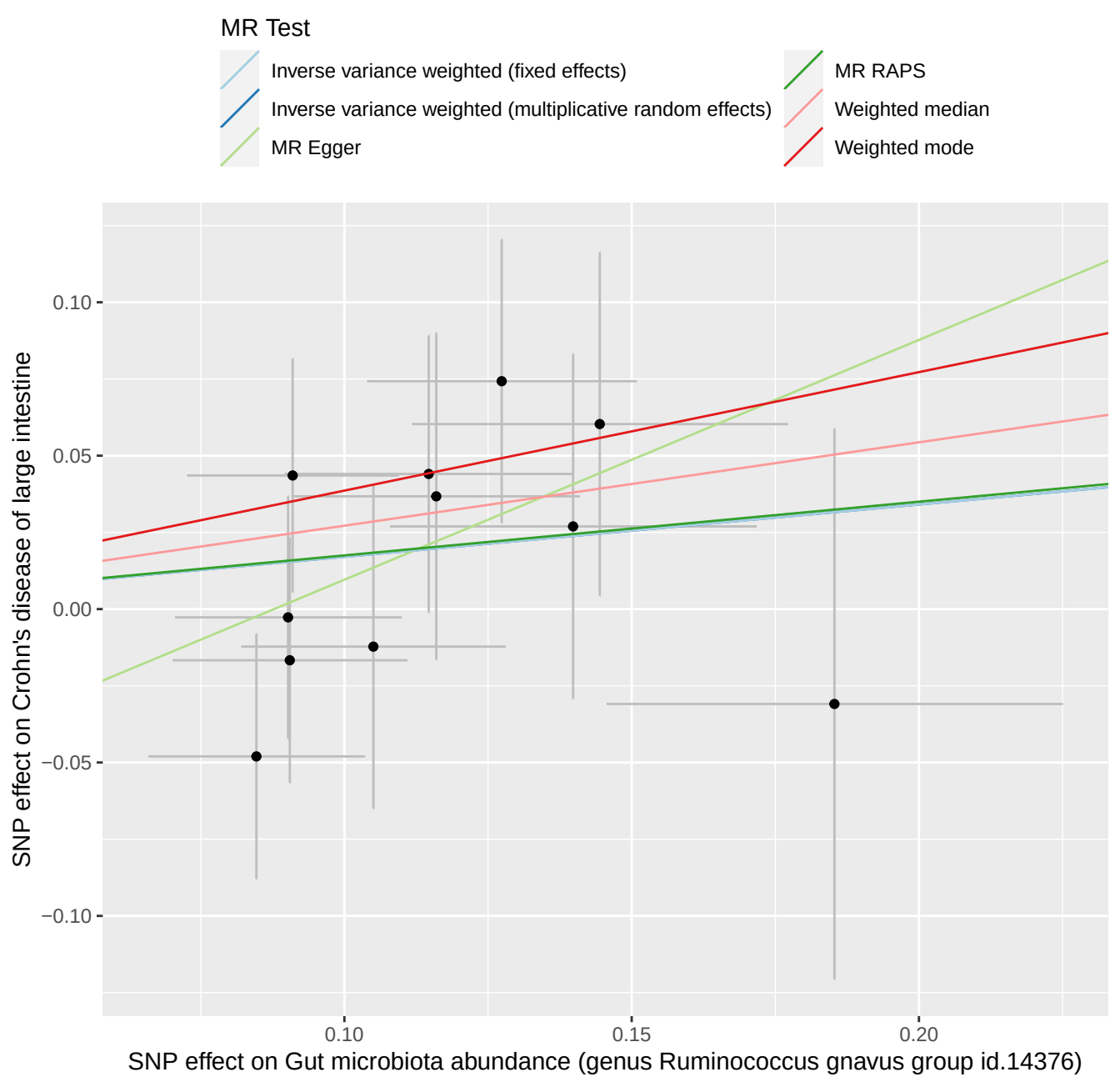


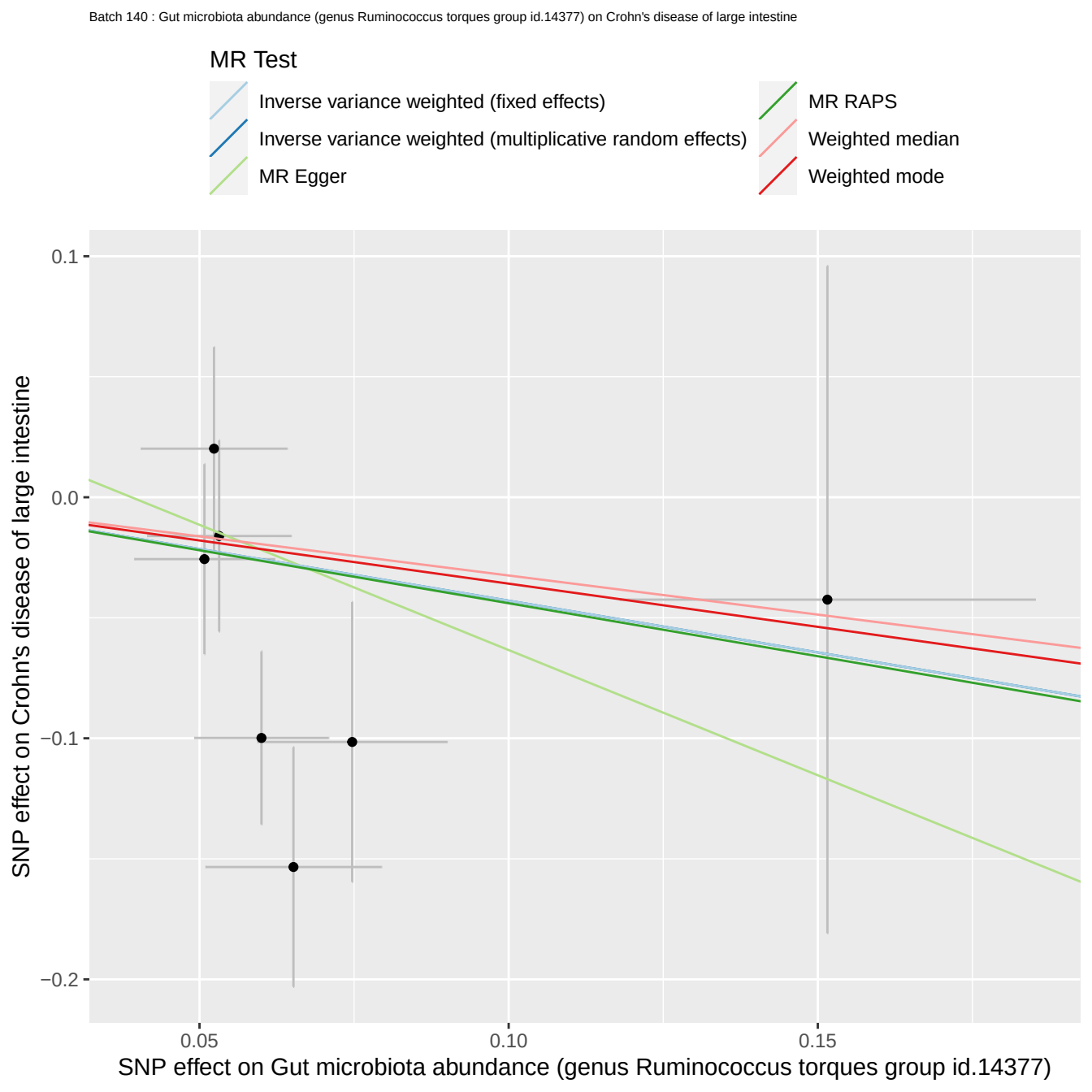

Batch 137 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

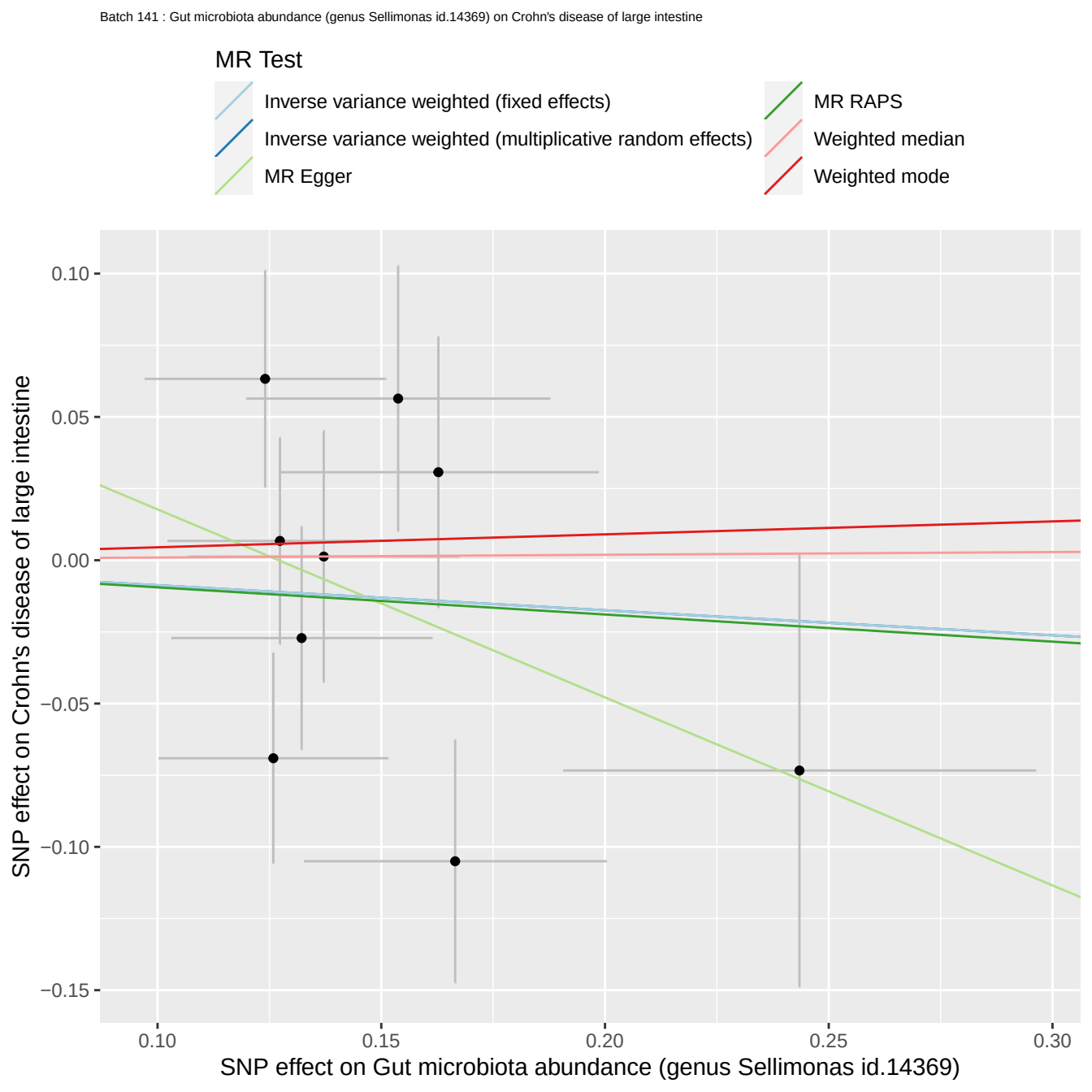
Batch 138 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Crohn's disease of large intestine



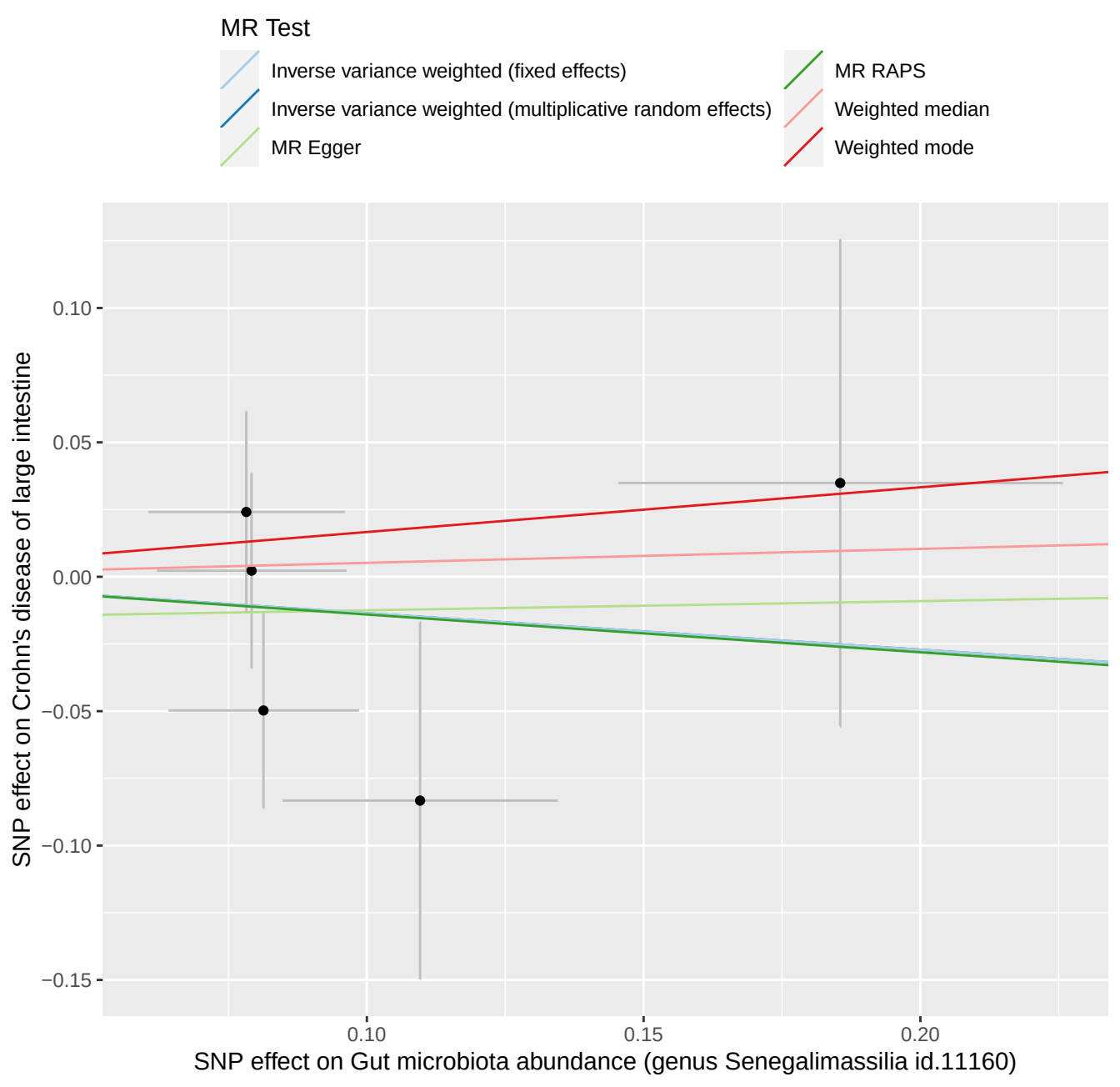
Batch 139 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Crohn's disease of large intestine



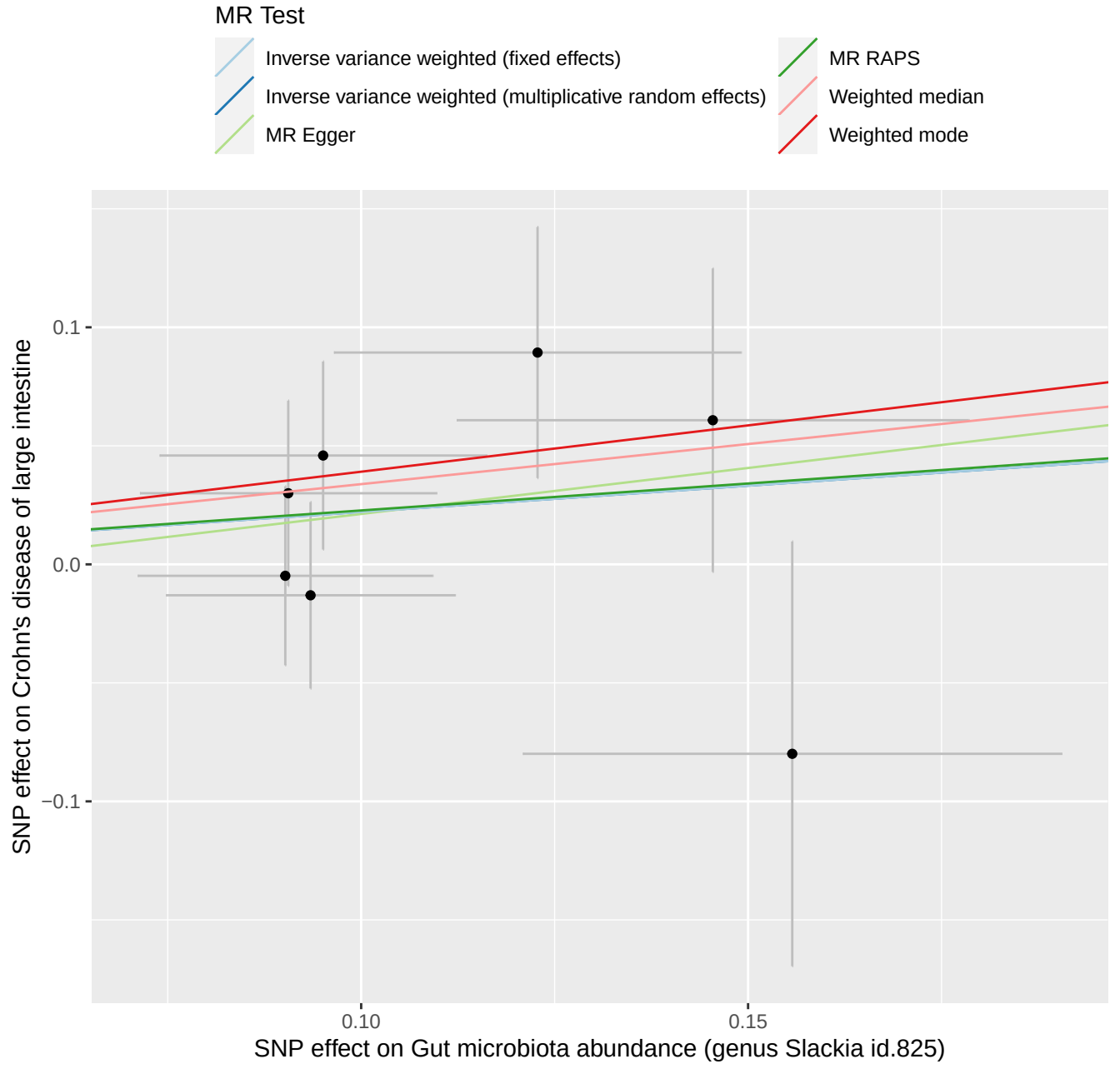

Batch 140 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Crohn's disease of large intestine
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (genus Ruminococcus torques group id.14377)


Batch 141 : Gut microbiota abundance (genus Sellimonas id.14369) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

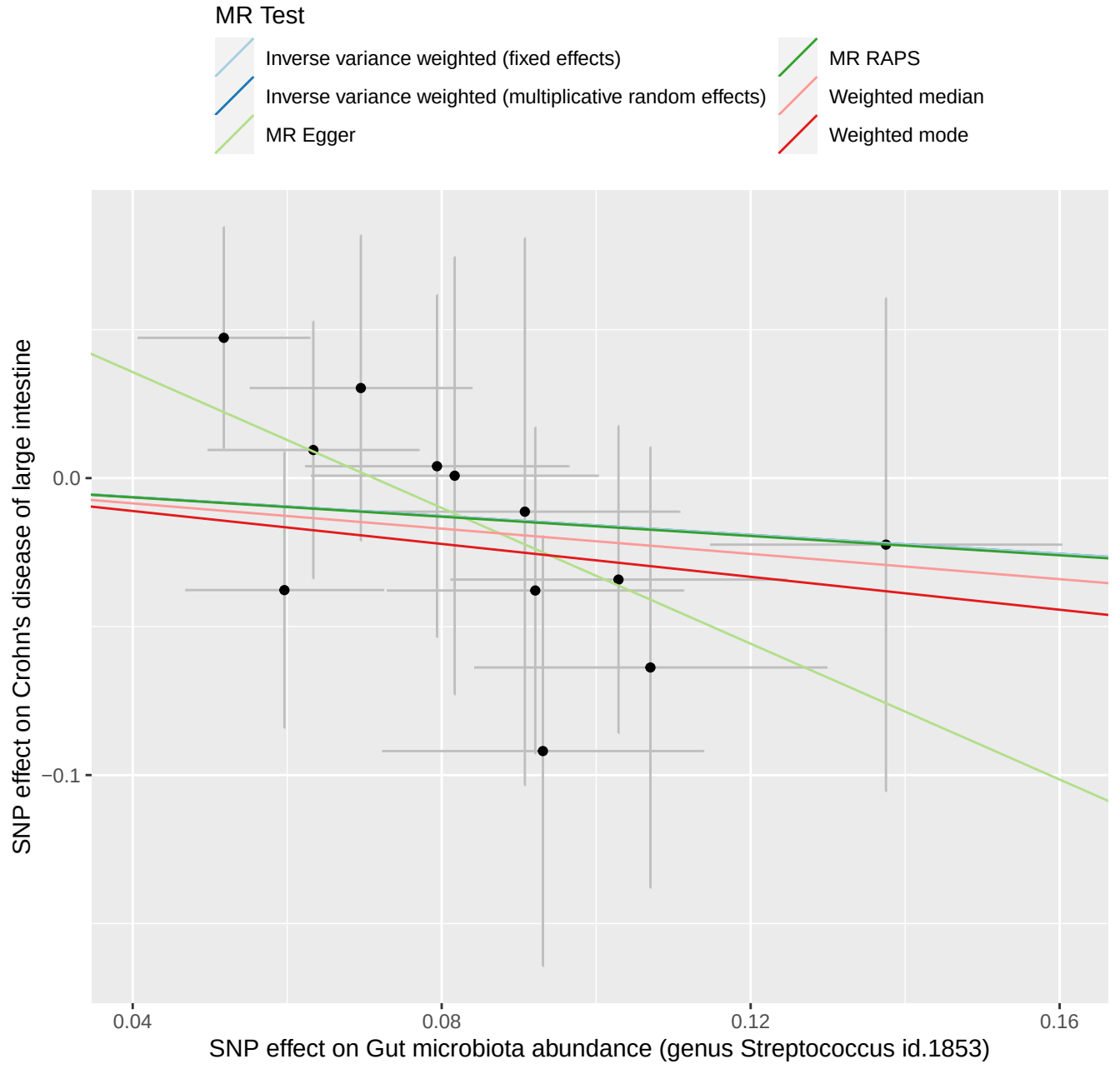
Batch 142 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Crohn's disease of large intestine

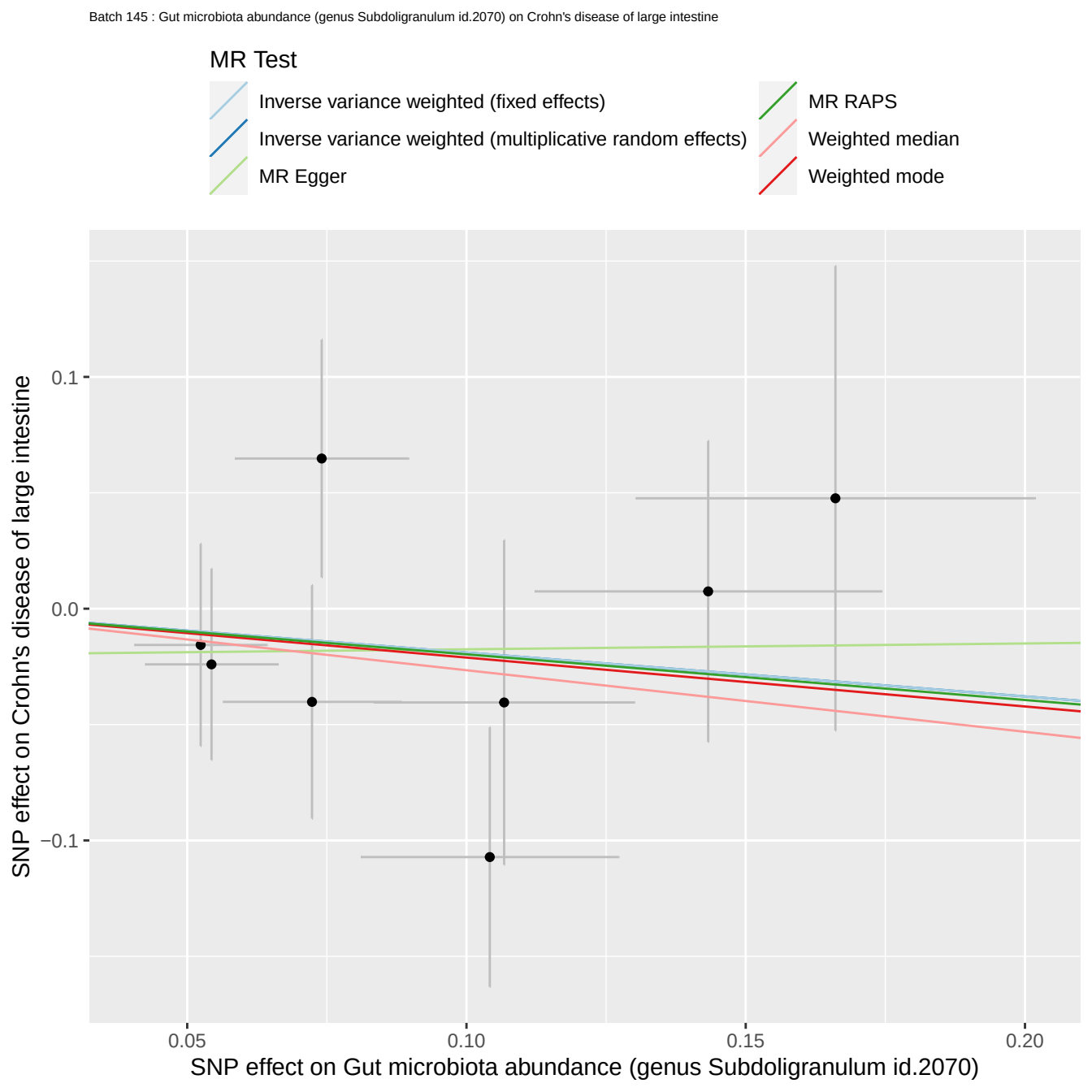


Batch 143 : Gut microbiota abundance (genus Slackia id.825) on Crohn's disease of large intestine

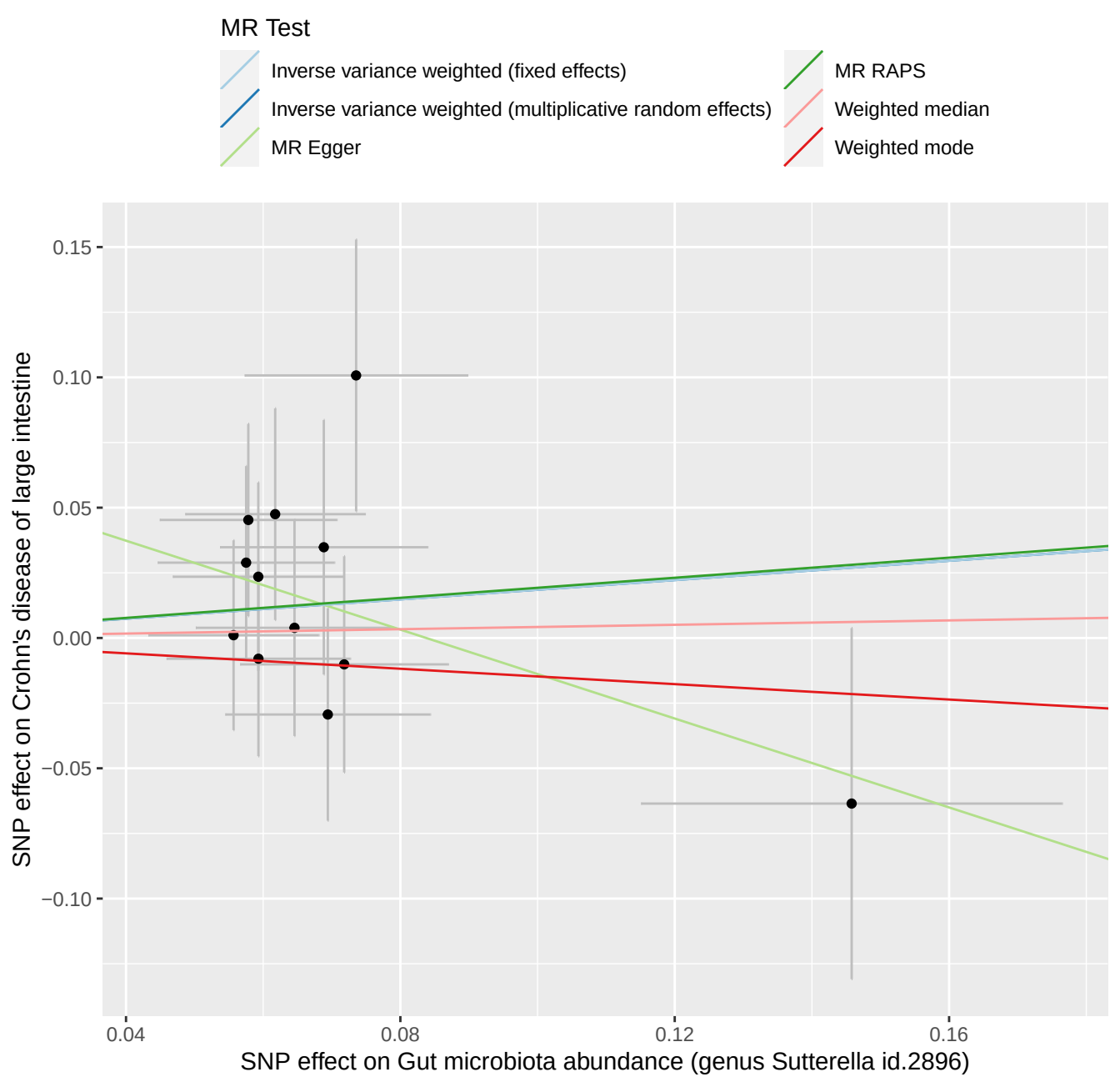


Batch 144 : Gut microbiota abundance (genus Streptococcus id.1853) on Crohn's disease of large intestine

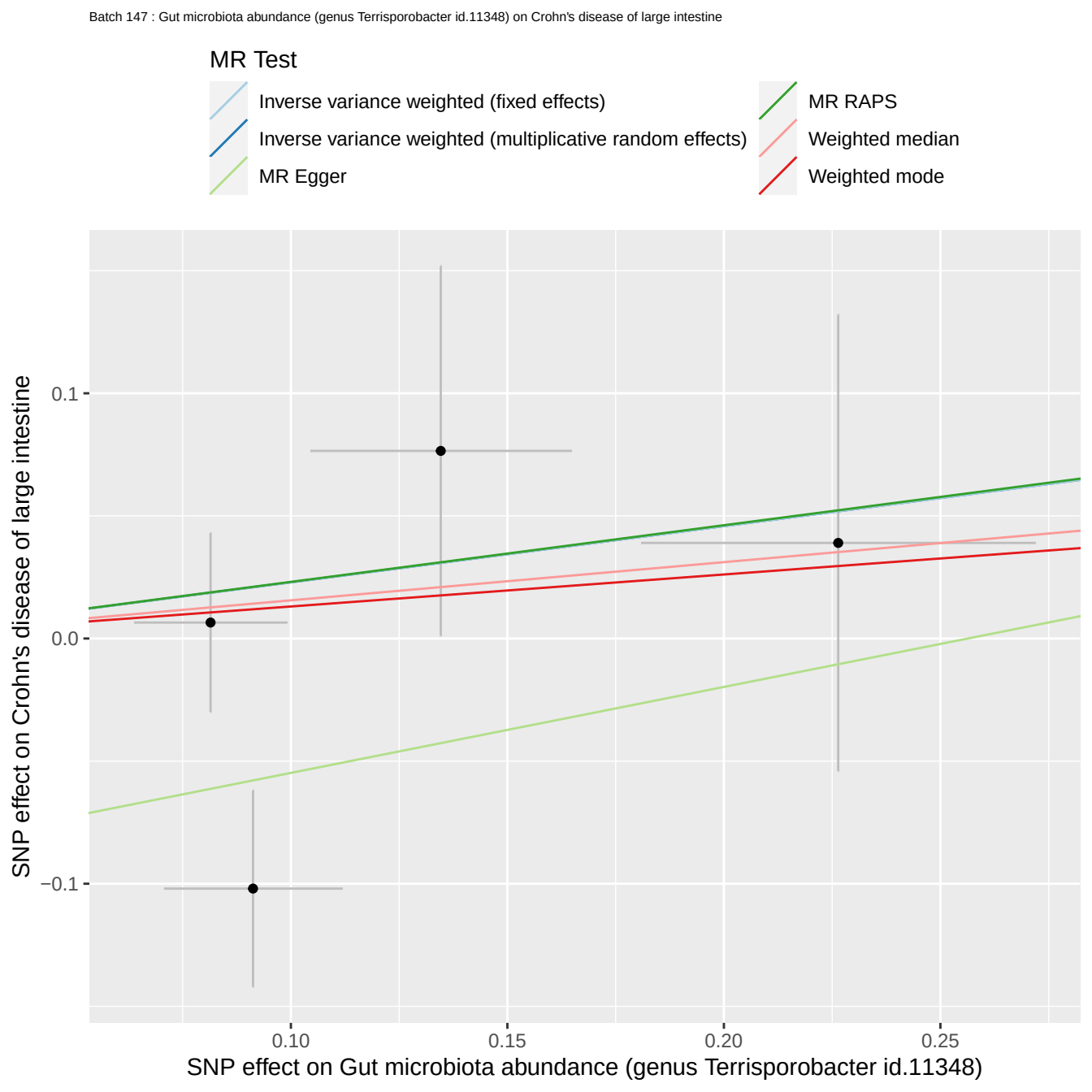


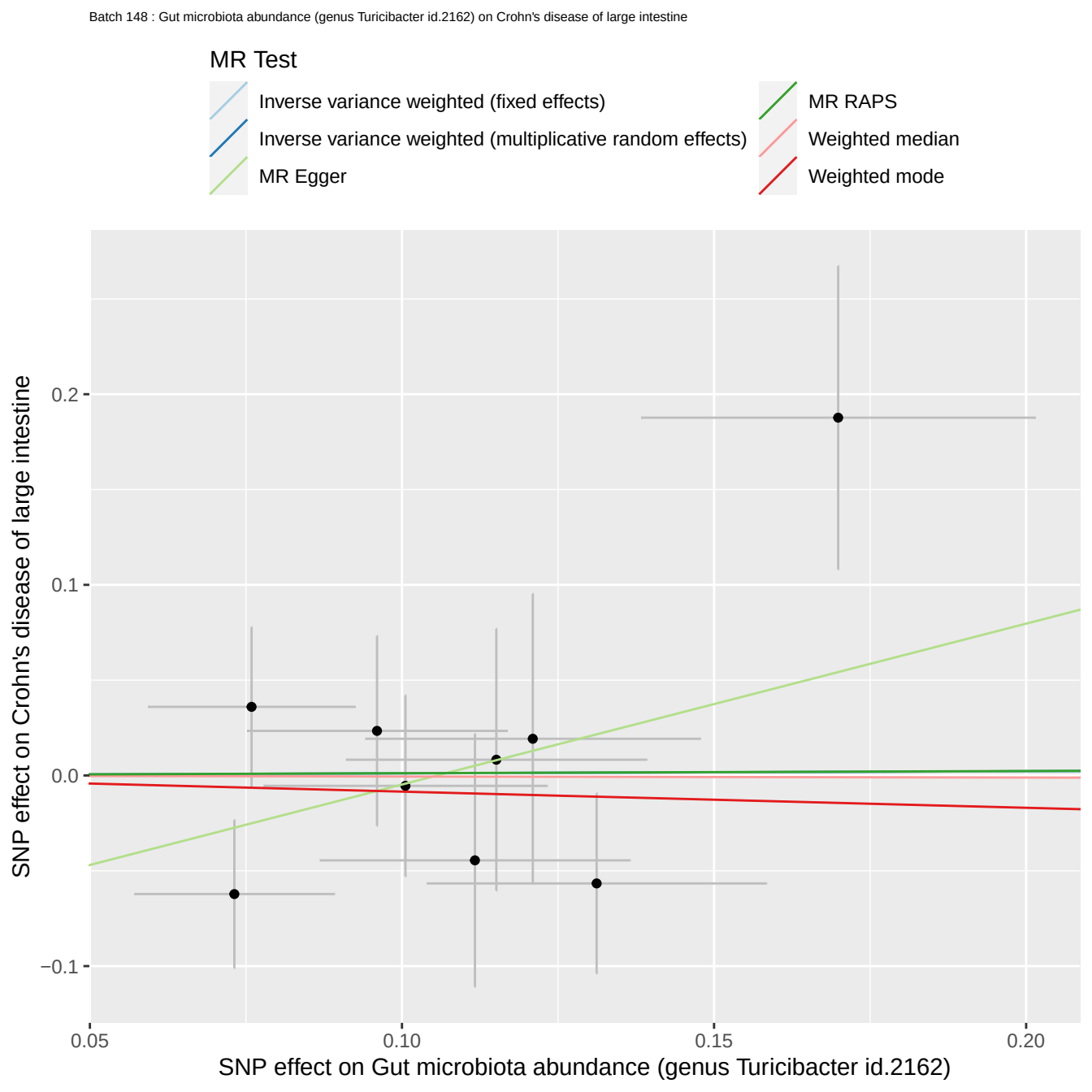

Batch 145 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

Batch 146 : Gut microbiota abundance (genus Sutterella id.2896) on Crohn's disease of large intestine

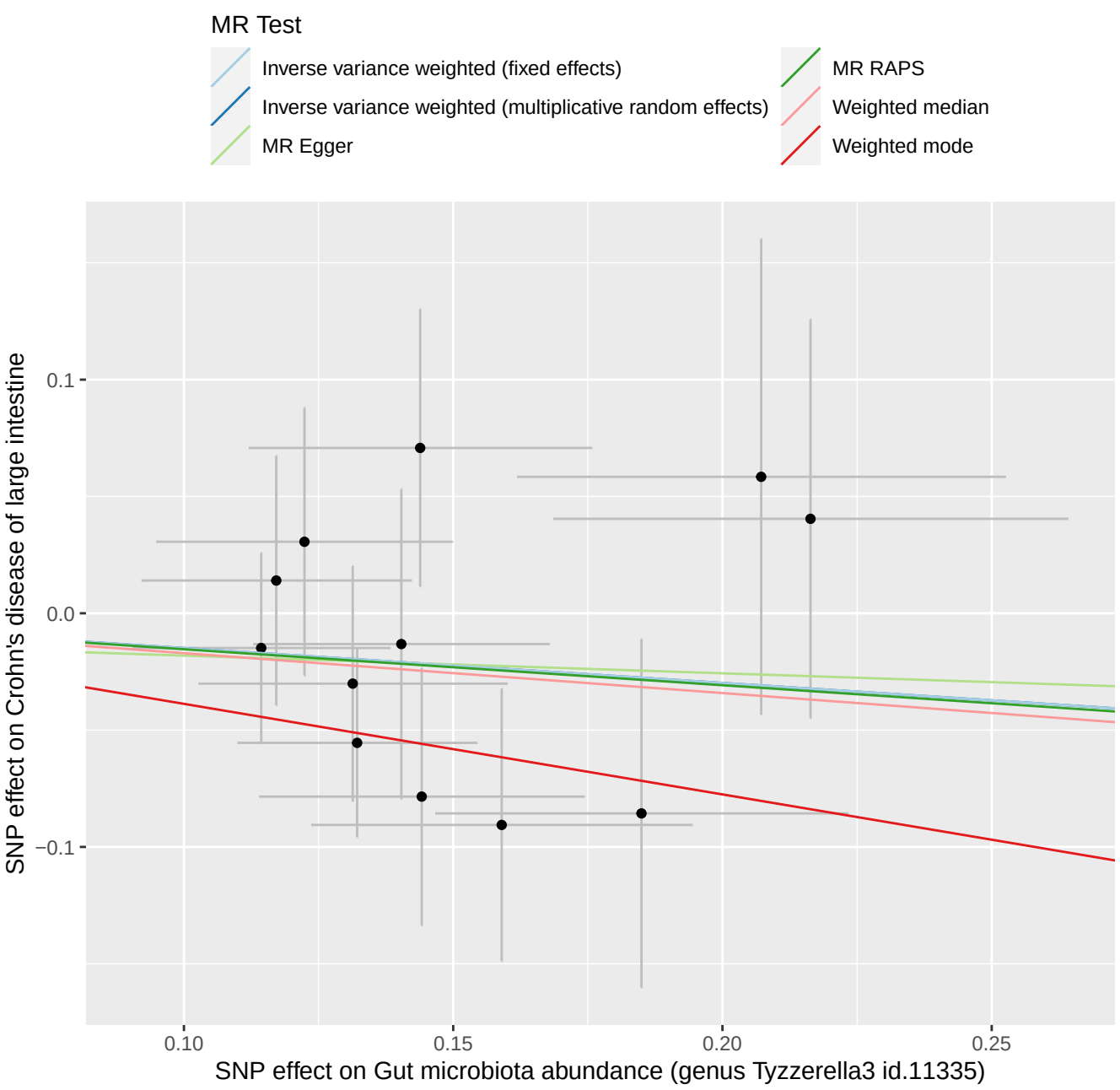


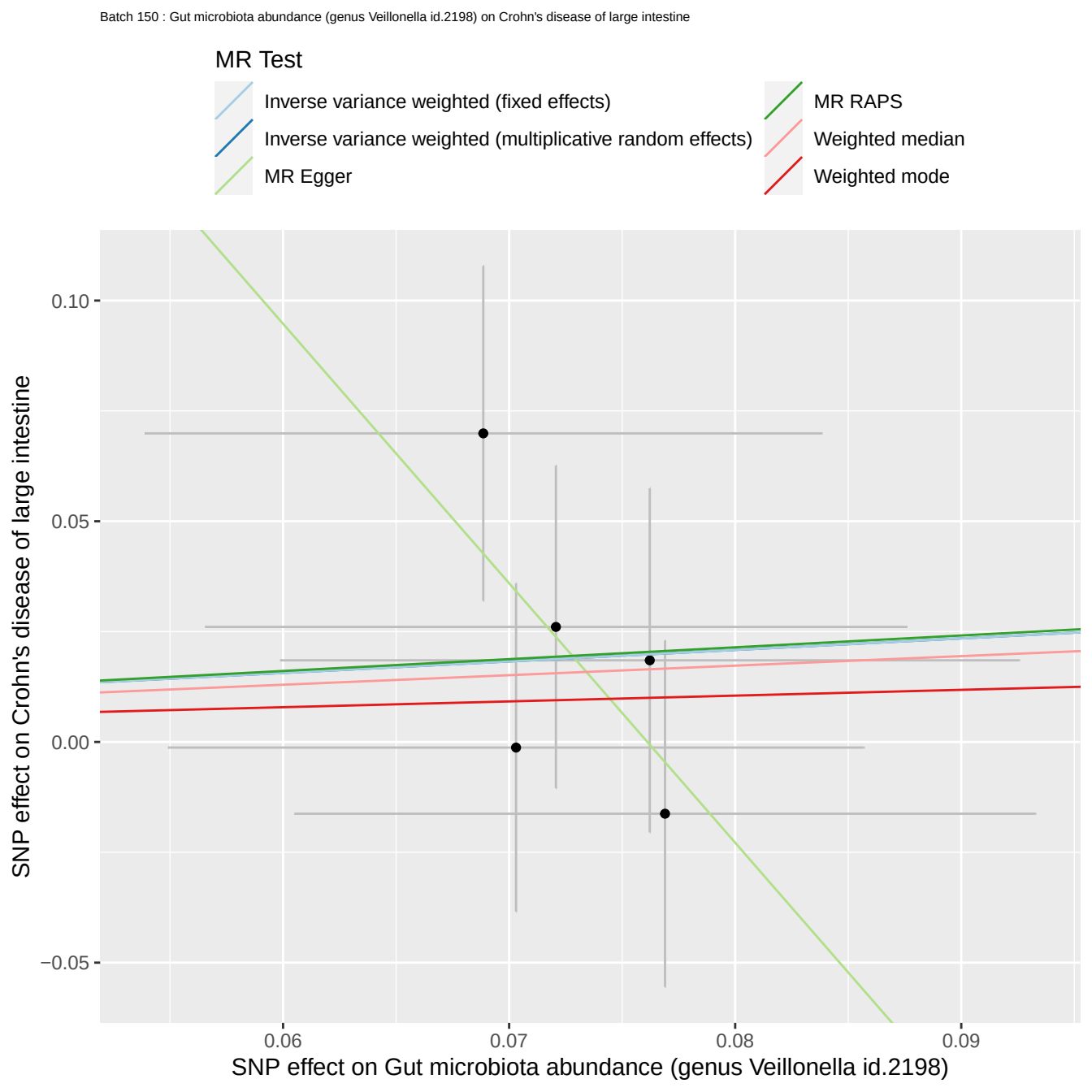
Batch 147 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Crohn's disease of large intestine

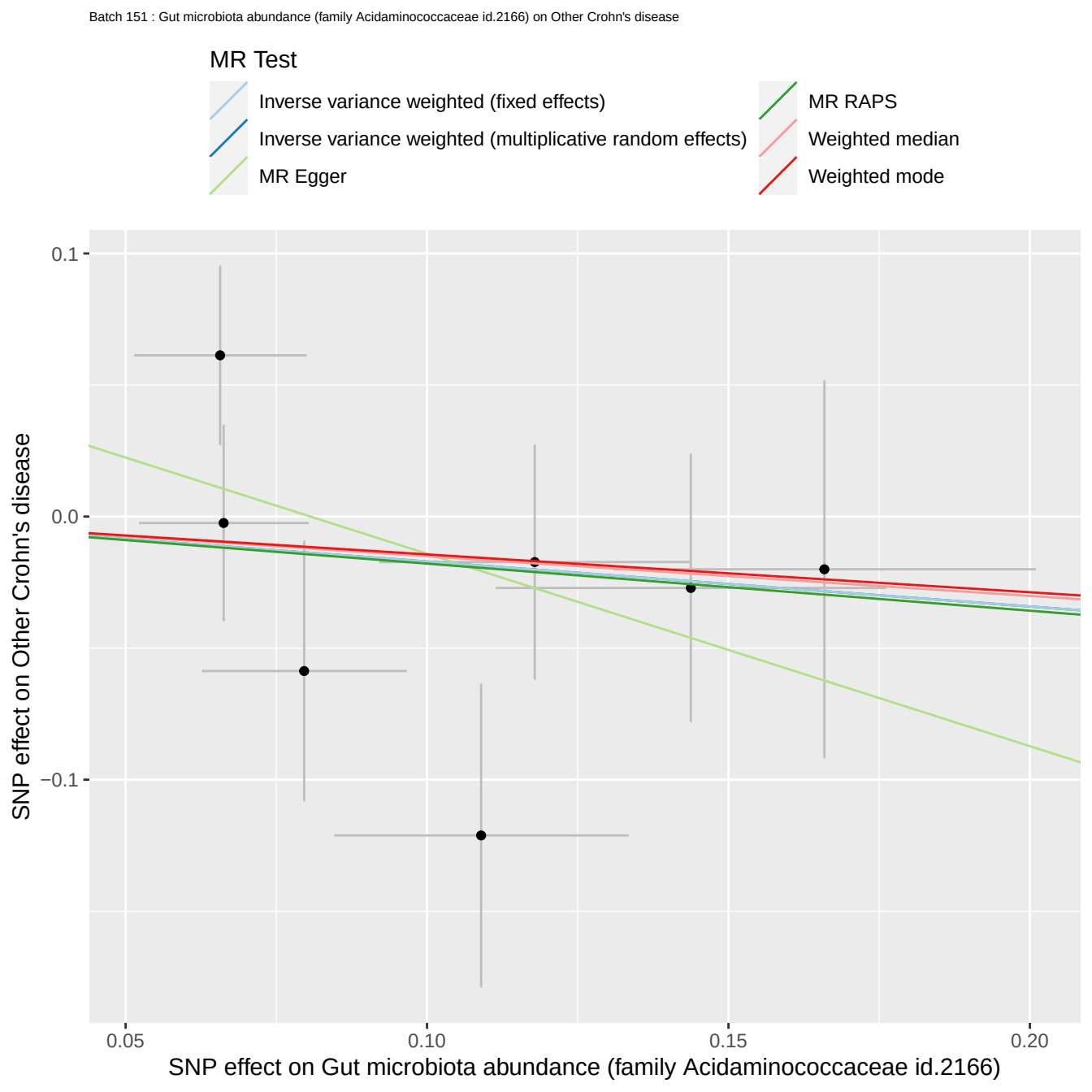



Batch 148 : Gut microbiota abundance (genus Turicibacter id.2162) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of large intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

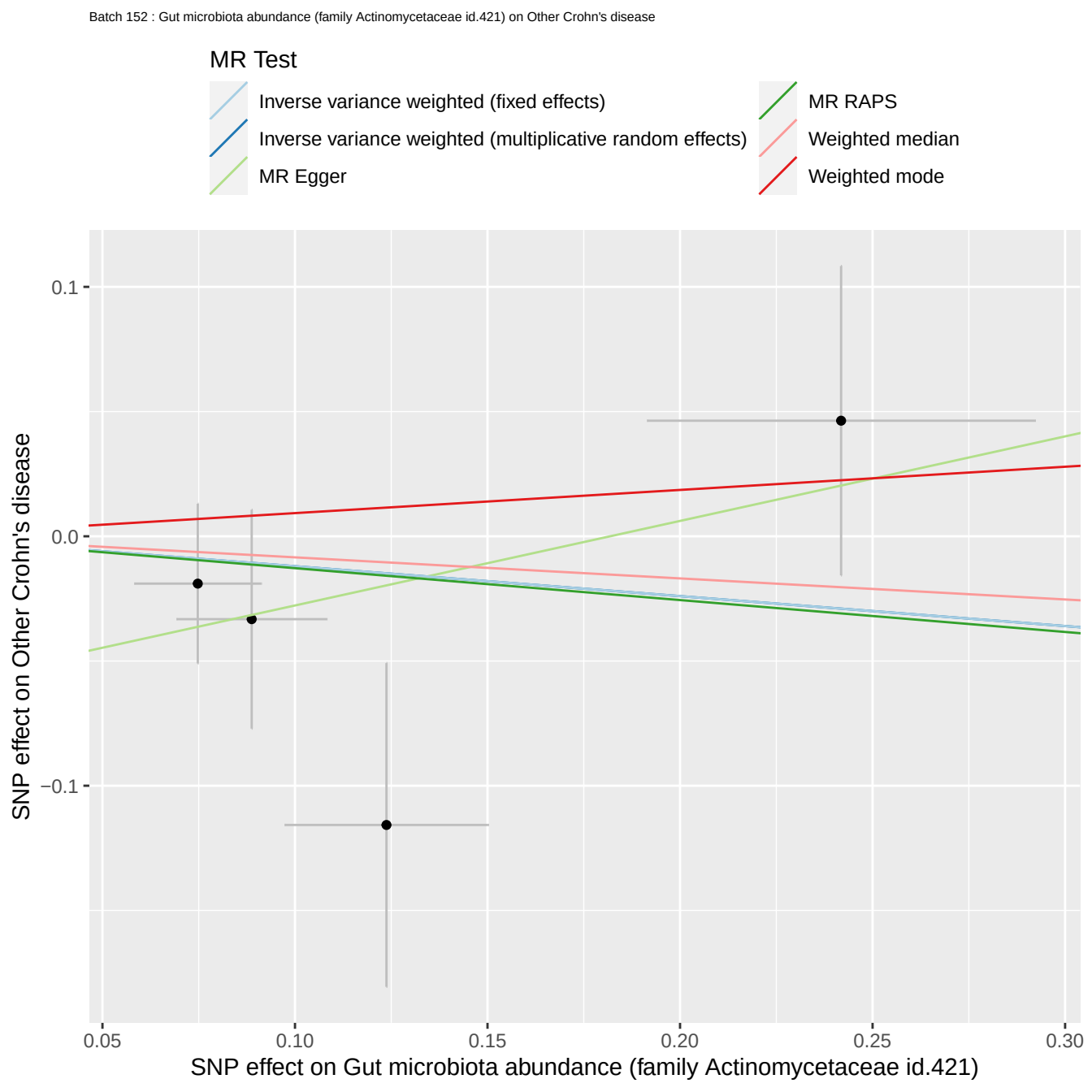
Batch 149 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Crohn's disease of large intestine

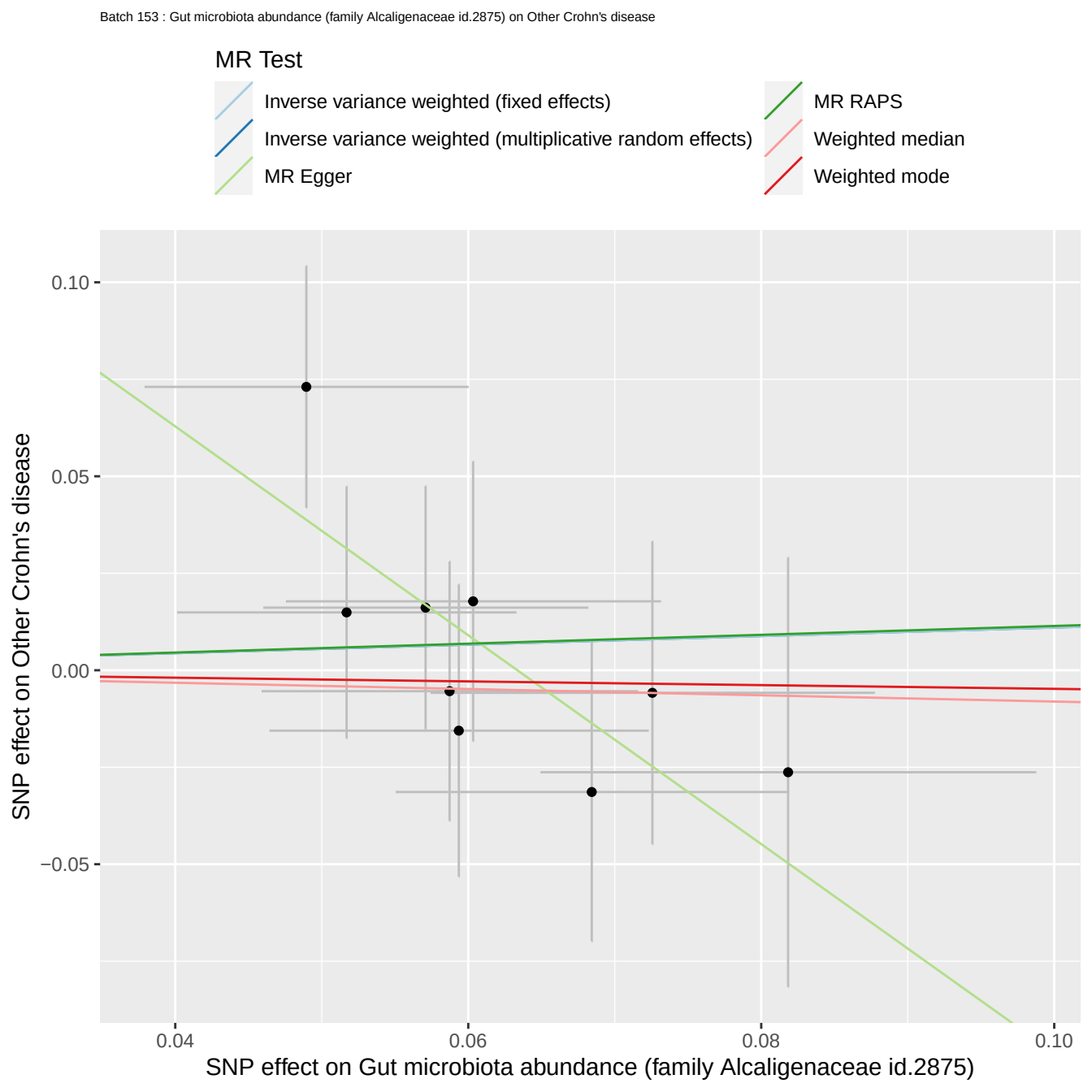


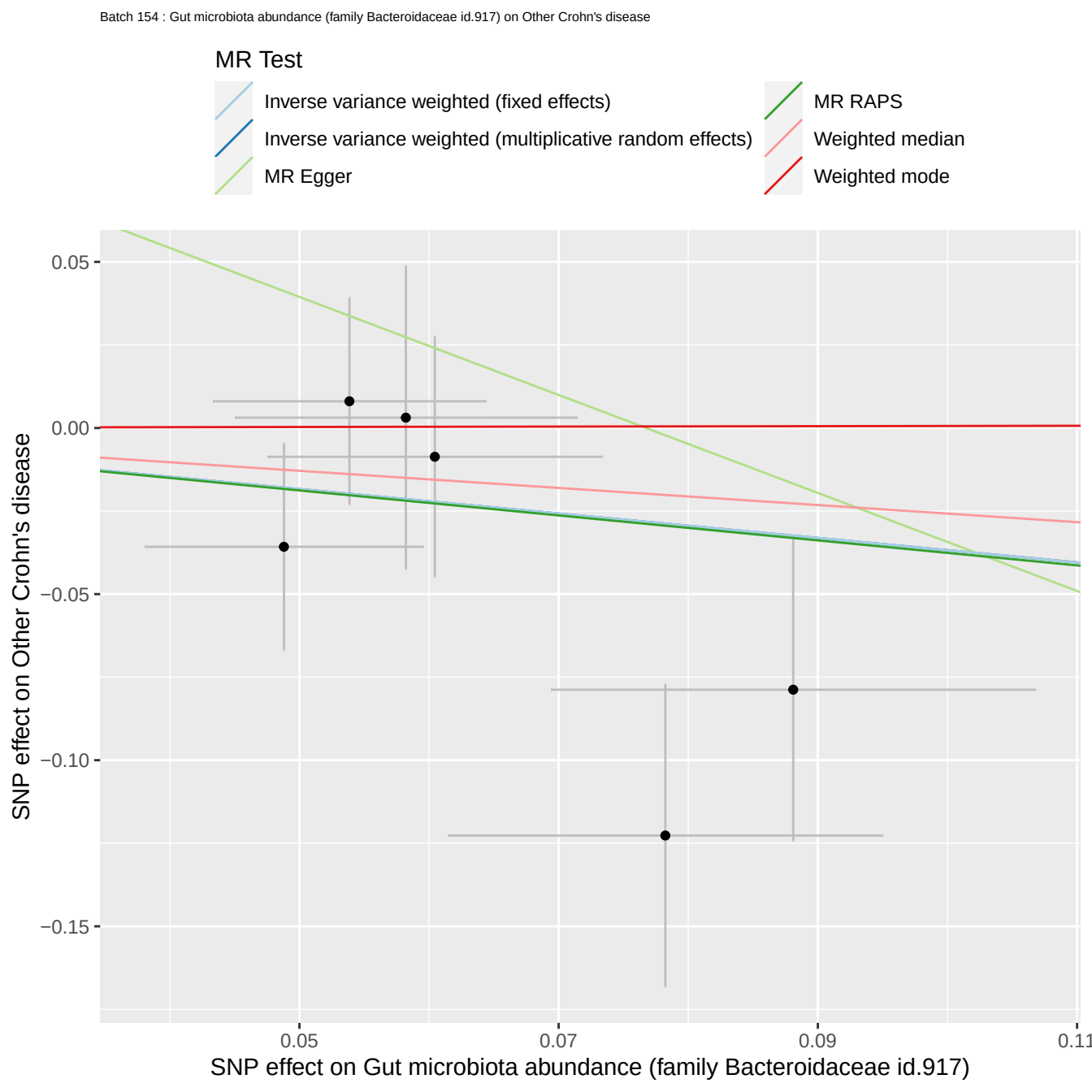

Batch 150 : Gut microbiota abundance (genus Veillonella id.2198) on Crohn's disease of large intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Crohn's disease of large intestine
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)


Batch 151 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

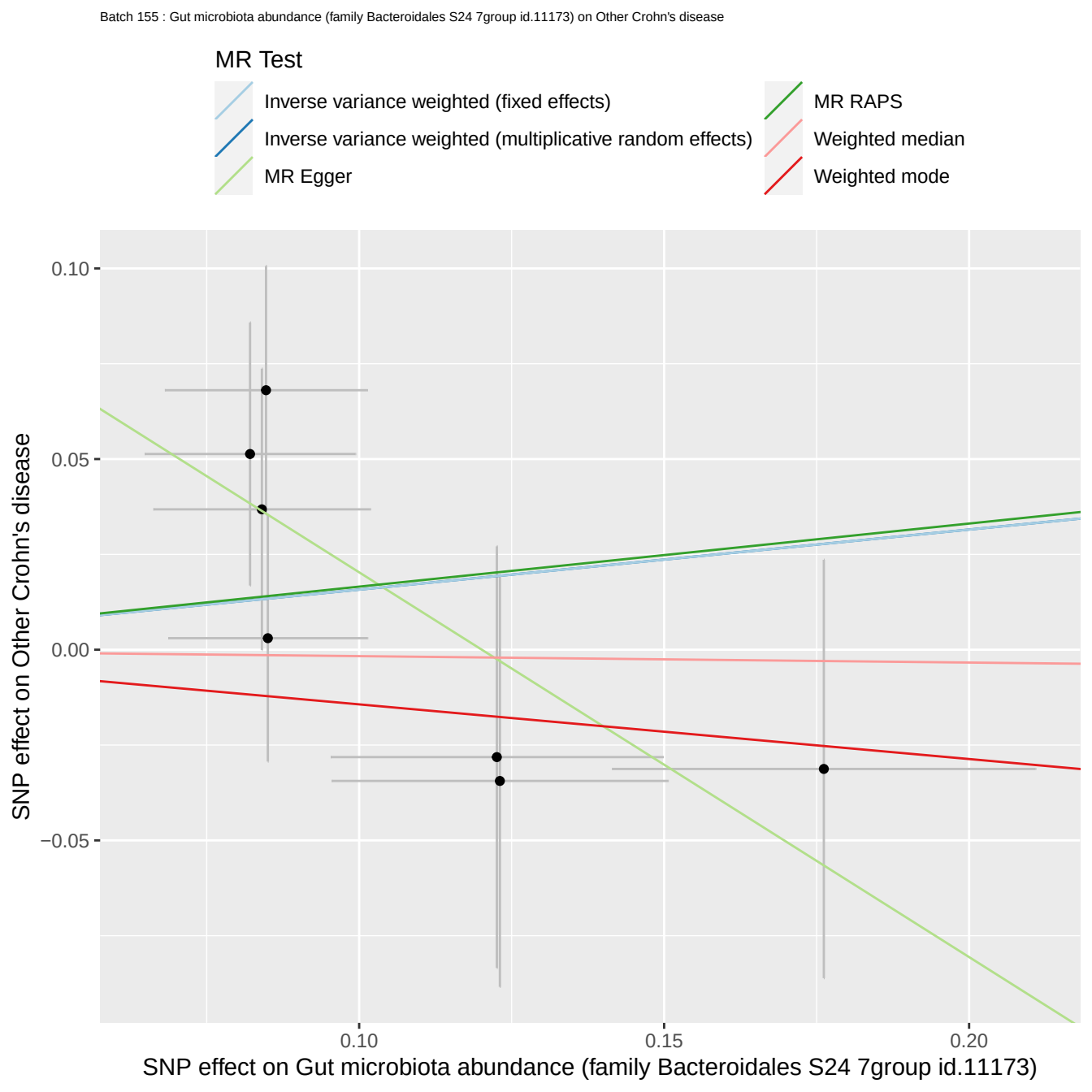
Batch 152 : Gut microbiota abundance (family Actinomycetaceae id.421) on Other Crohn's disease

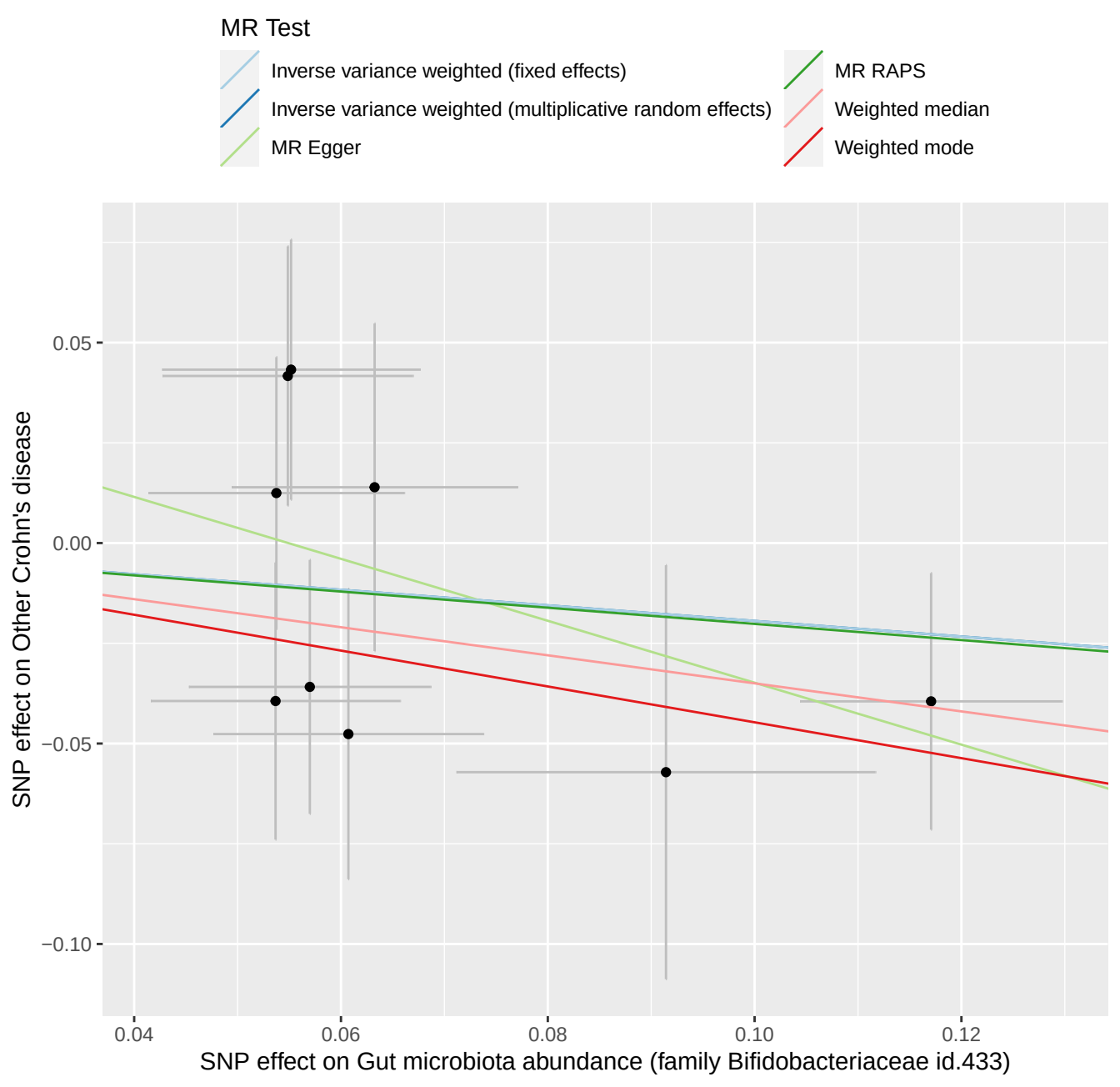


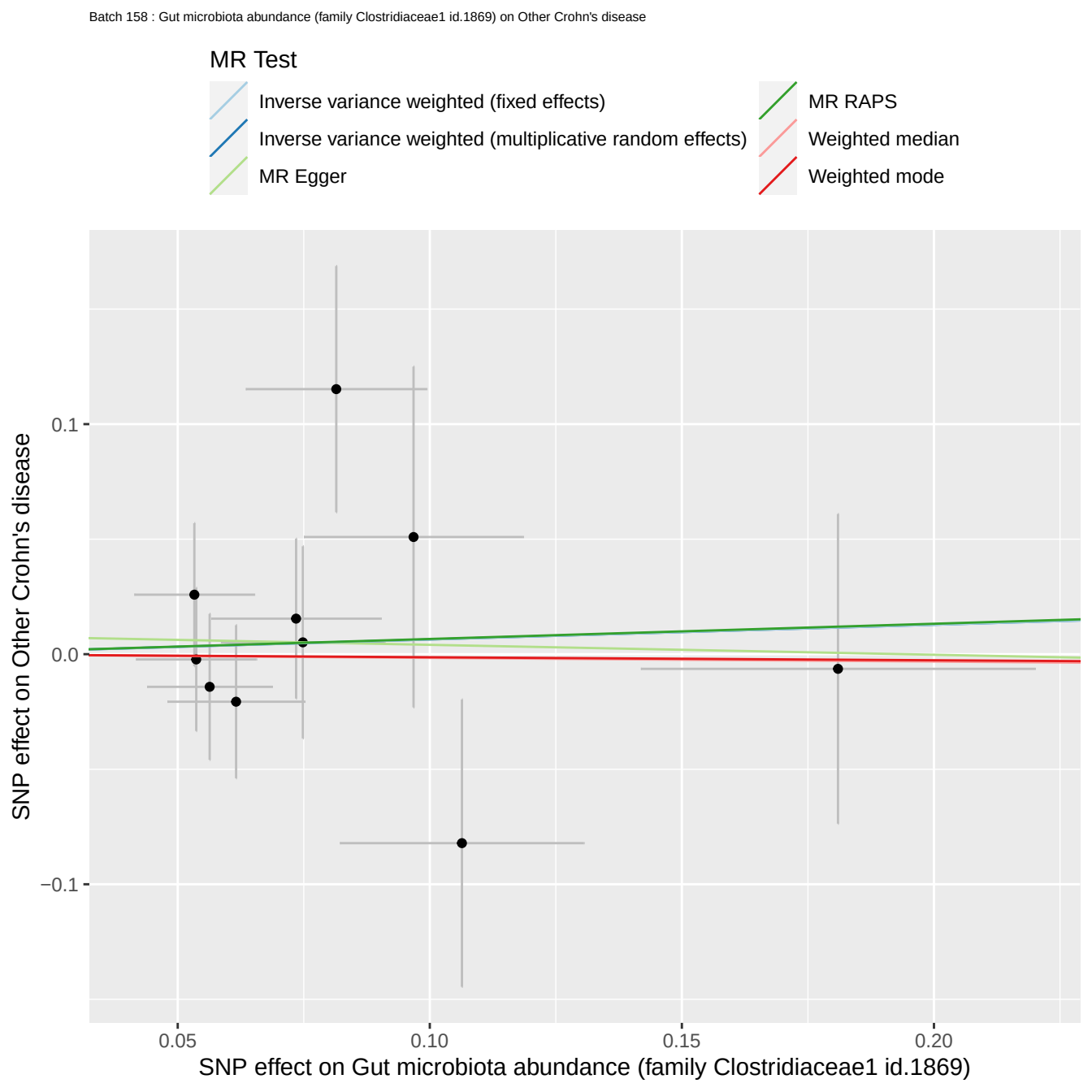

Batch 153 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)


Batch 154 : Gut microbiota abundance (family Bacteroidaceae id.917) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Other Crohn's disease
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

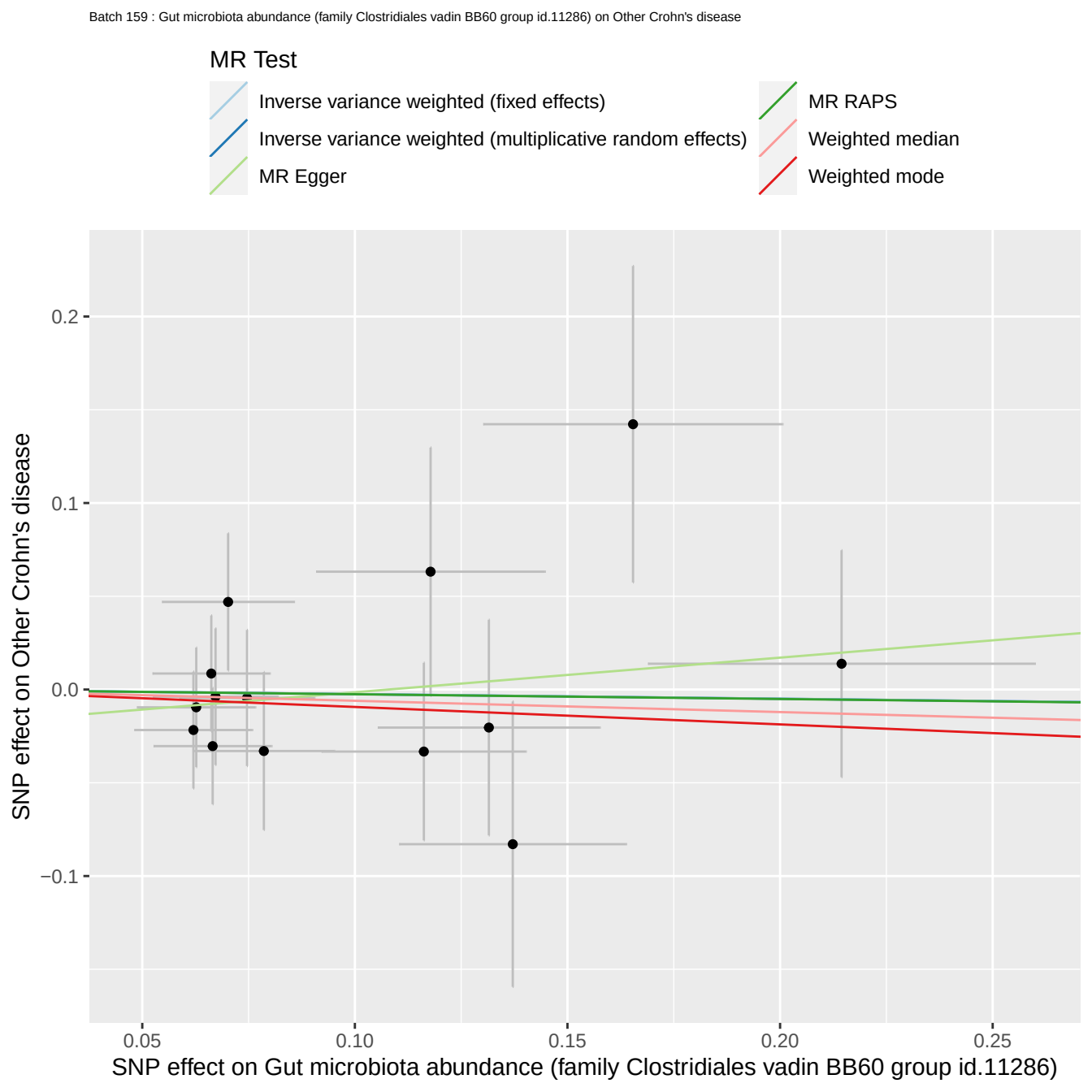
Batch 155 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Other Crohn's disease

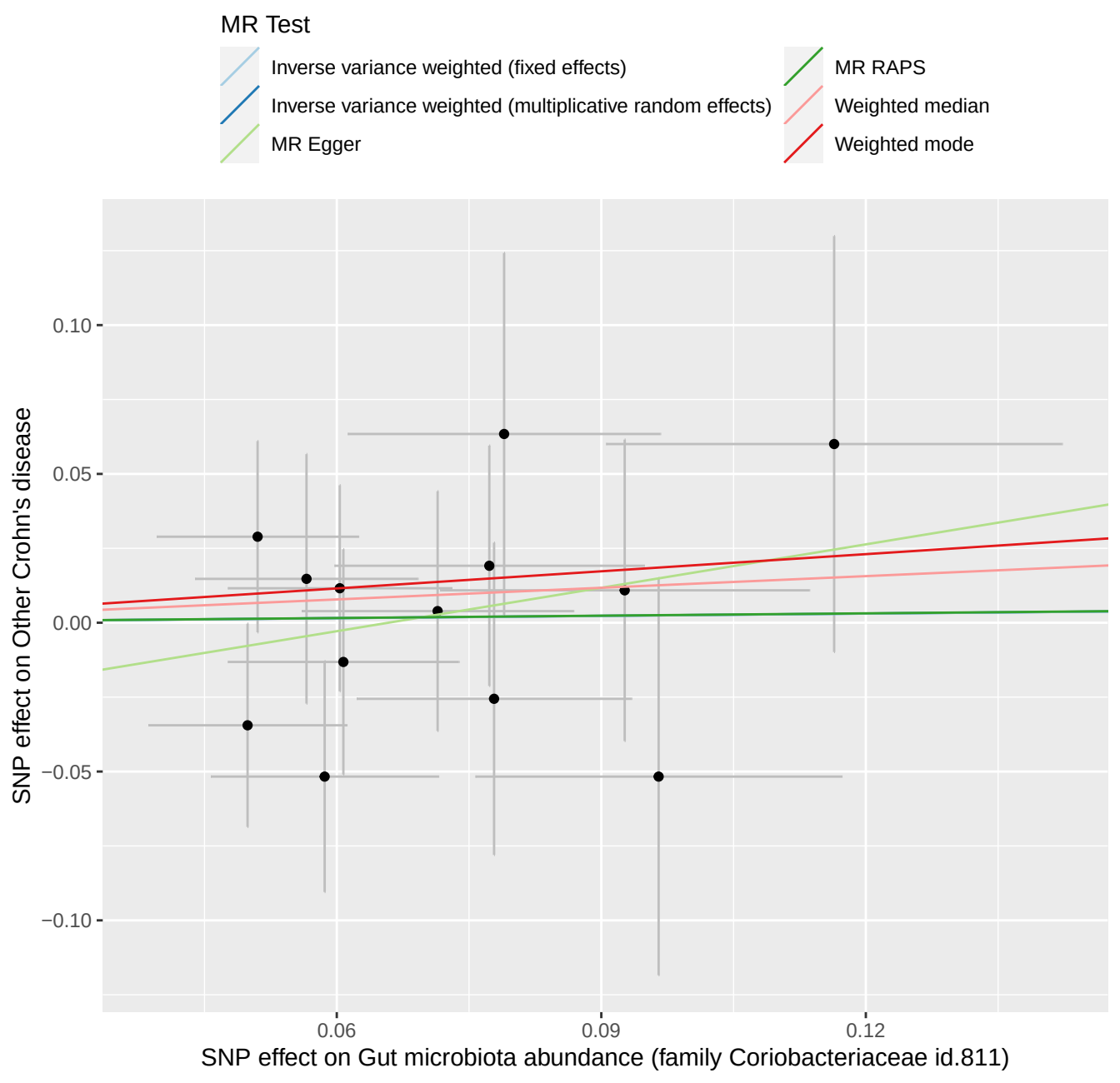


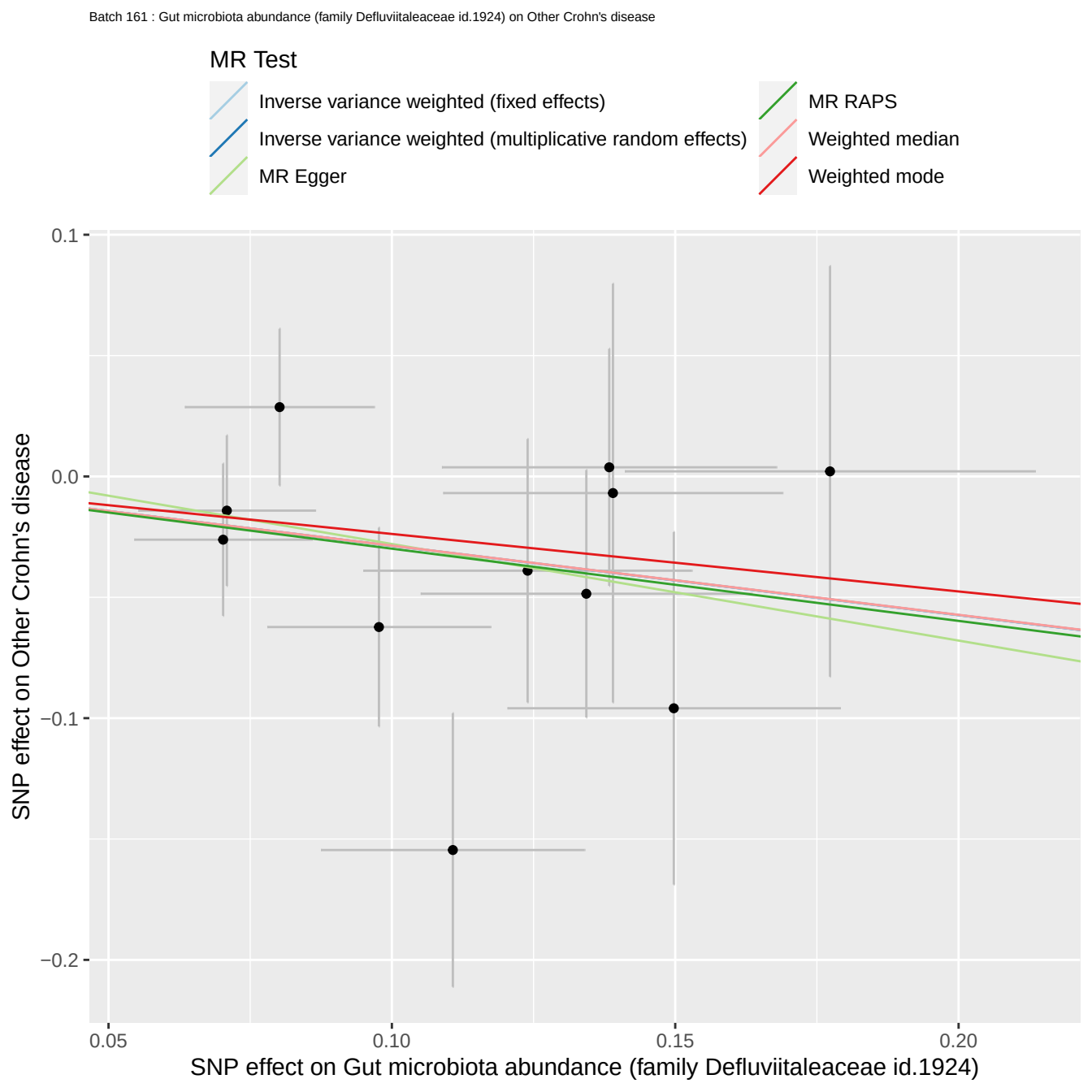

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)


Batch 158 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

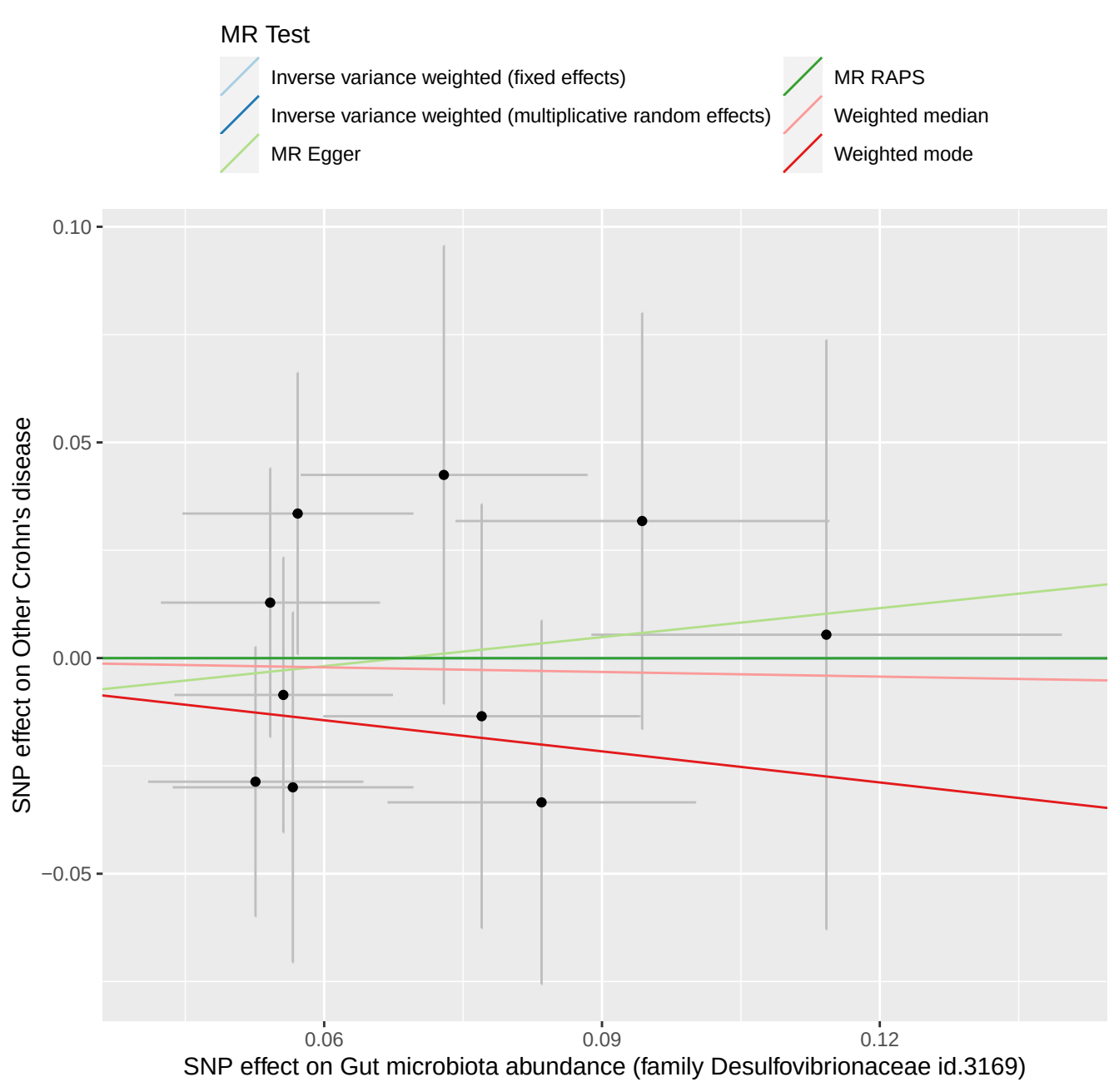
Batch 159 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Other Crohn's disease



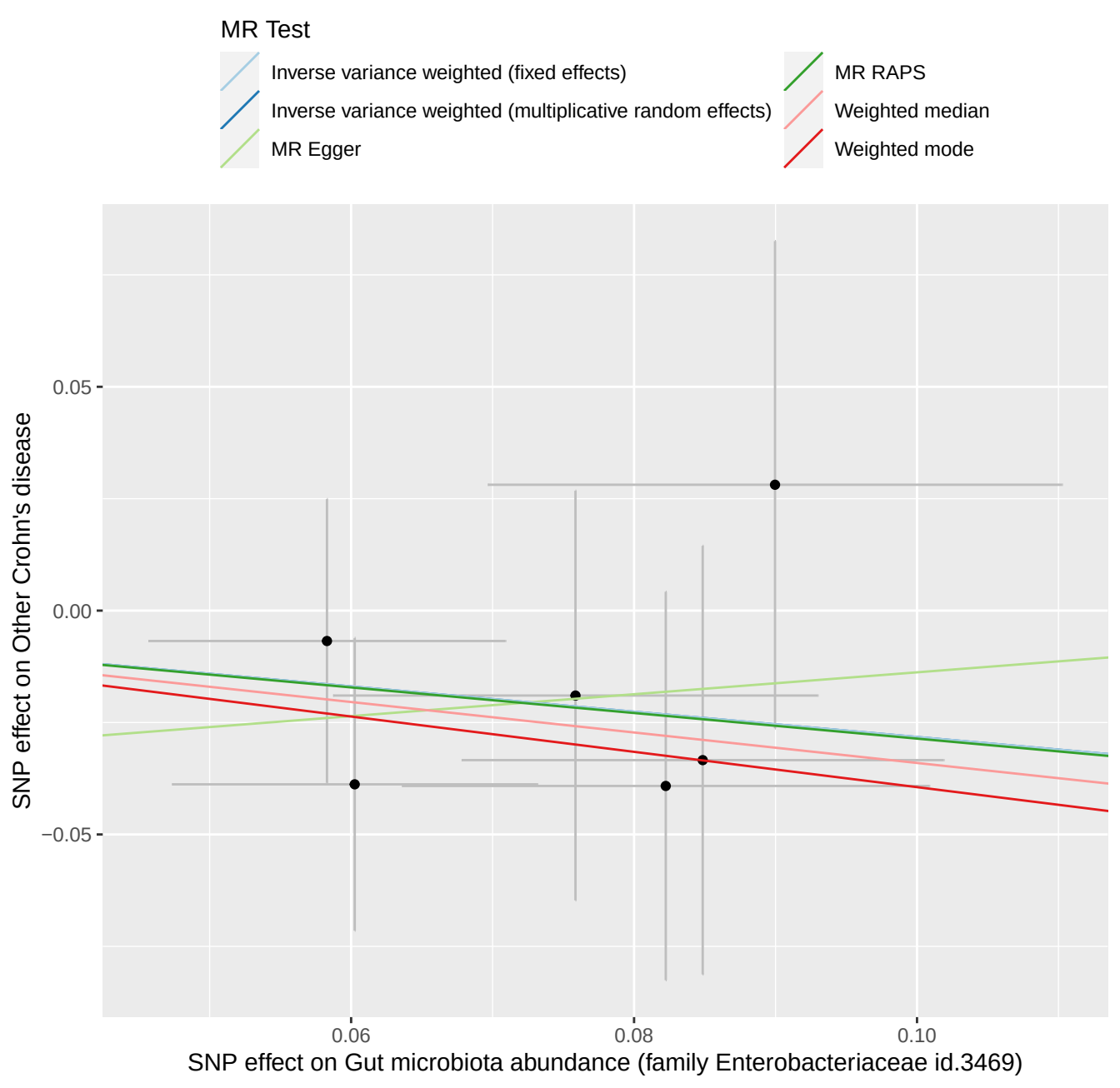

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)


Batch 161 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

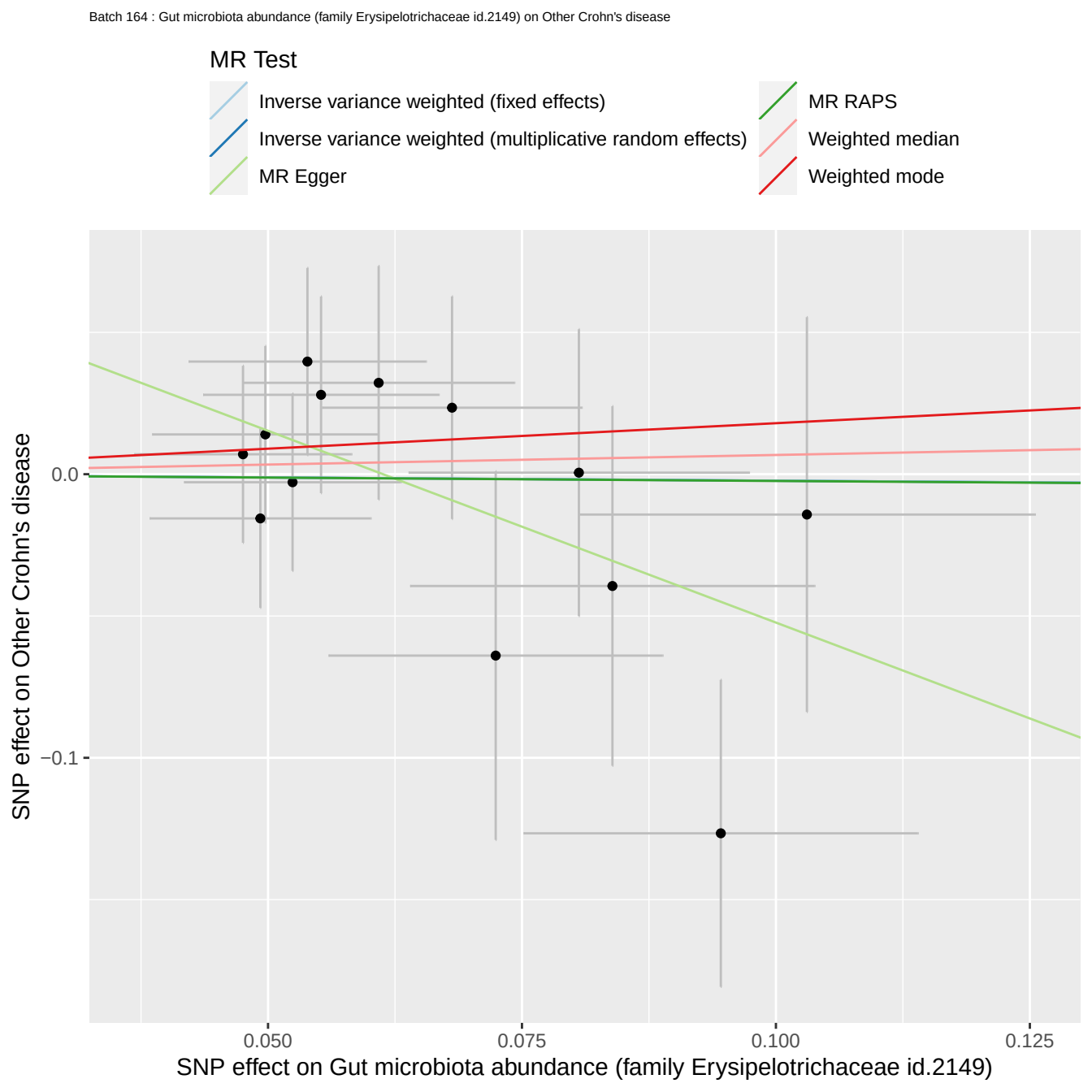
Batch 162 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Other Crohn's disease



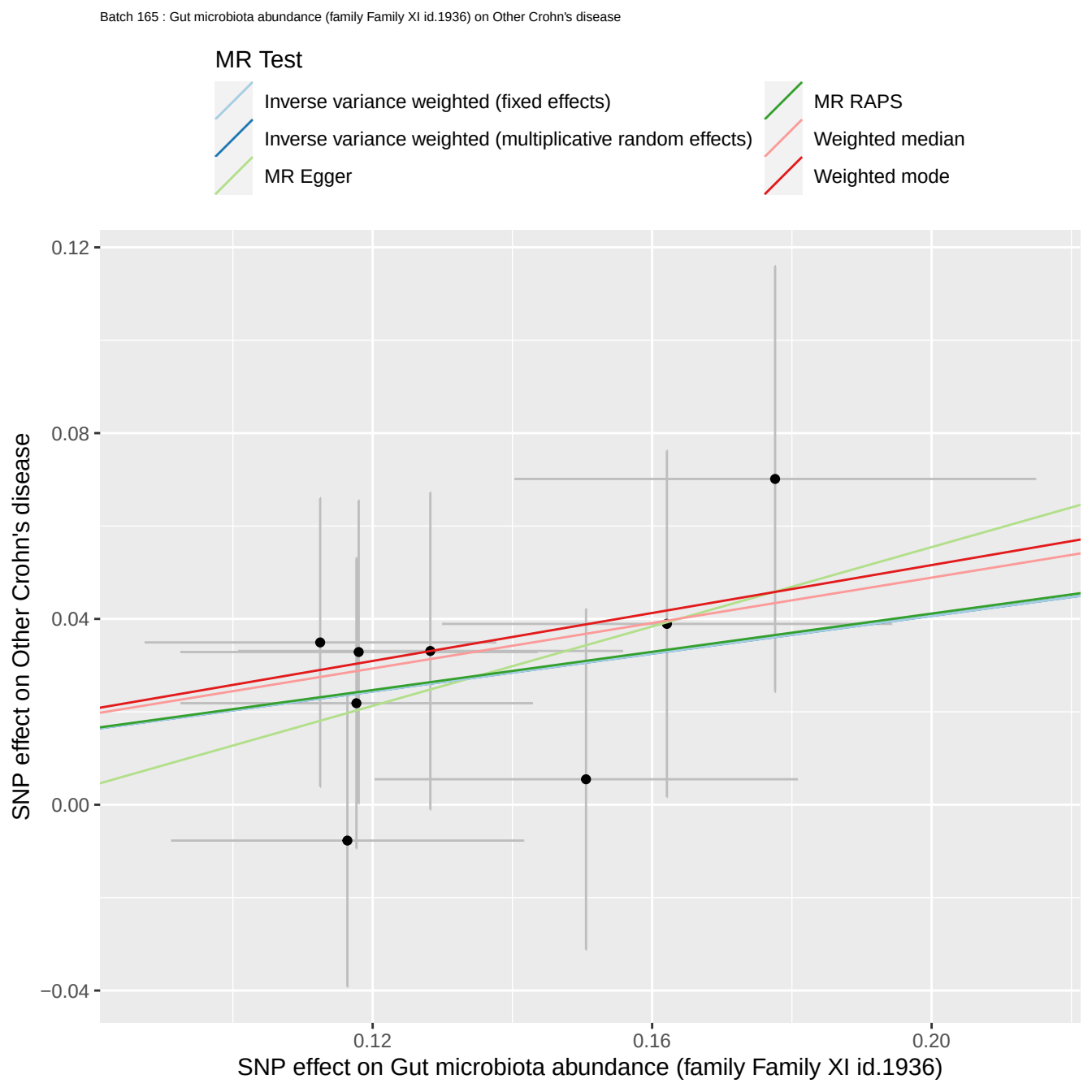
Batch 163 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Other Crohn's disease



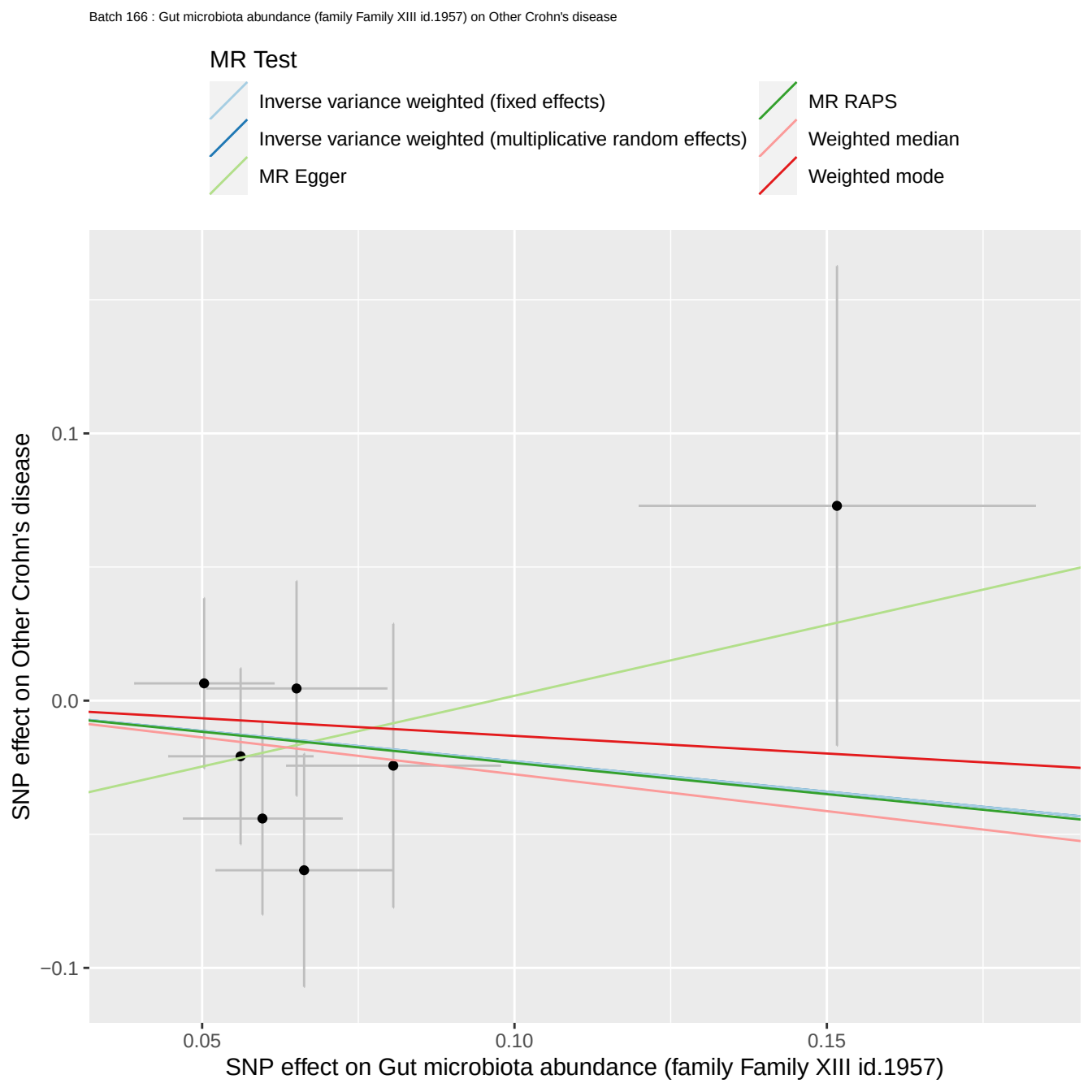
Batch 164 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Other Crohn's disease



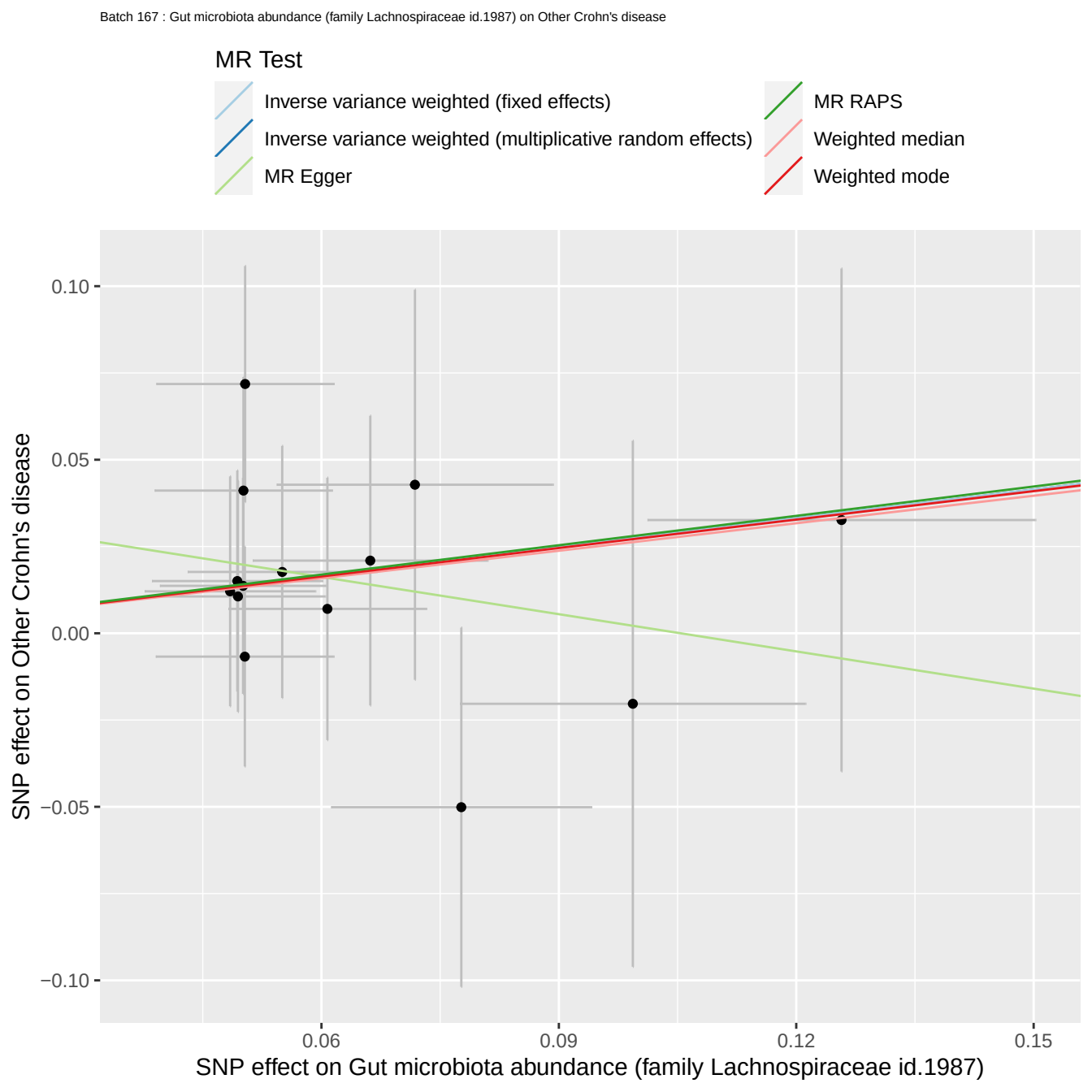
Batch 165 : Gut microbiota abundance (family Family XI id.1936) on Other Crohn's disease

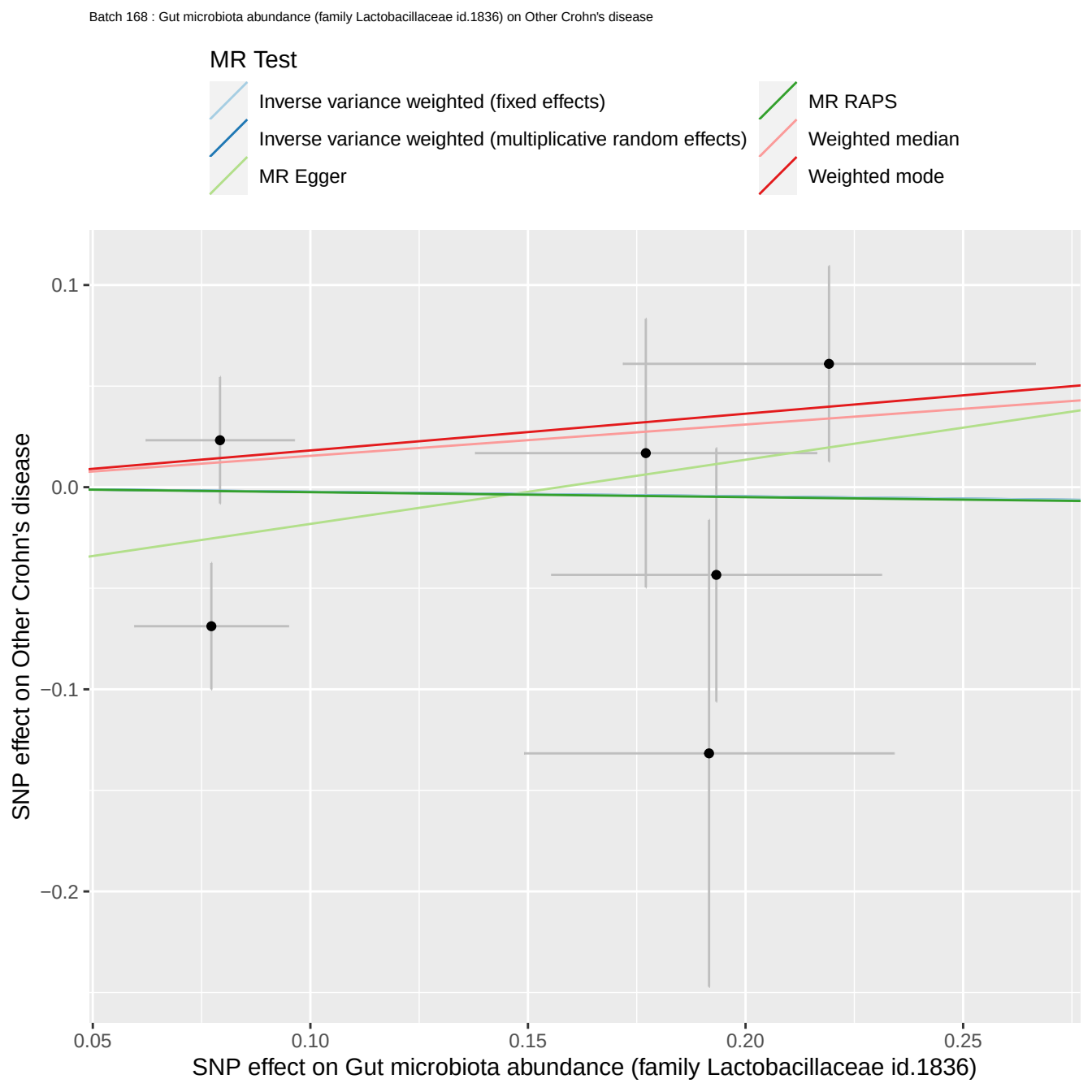


Batch 166 : Gut microbiota abundance (family Family XIII id.1957) on Other Crohn's disease

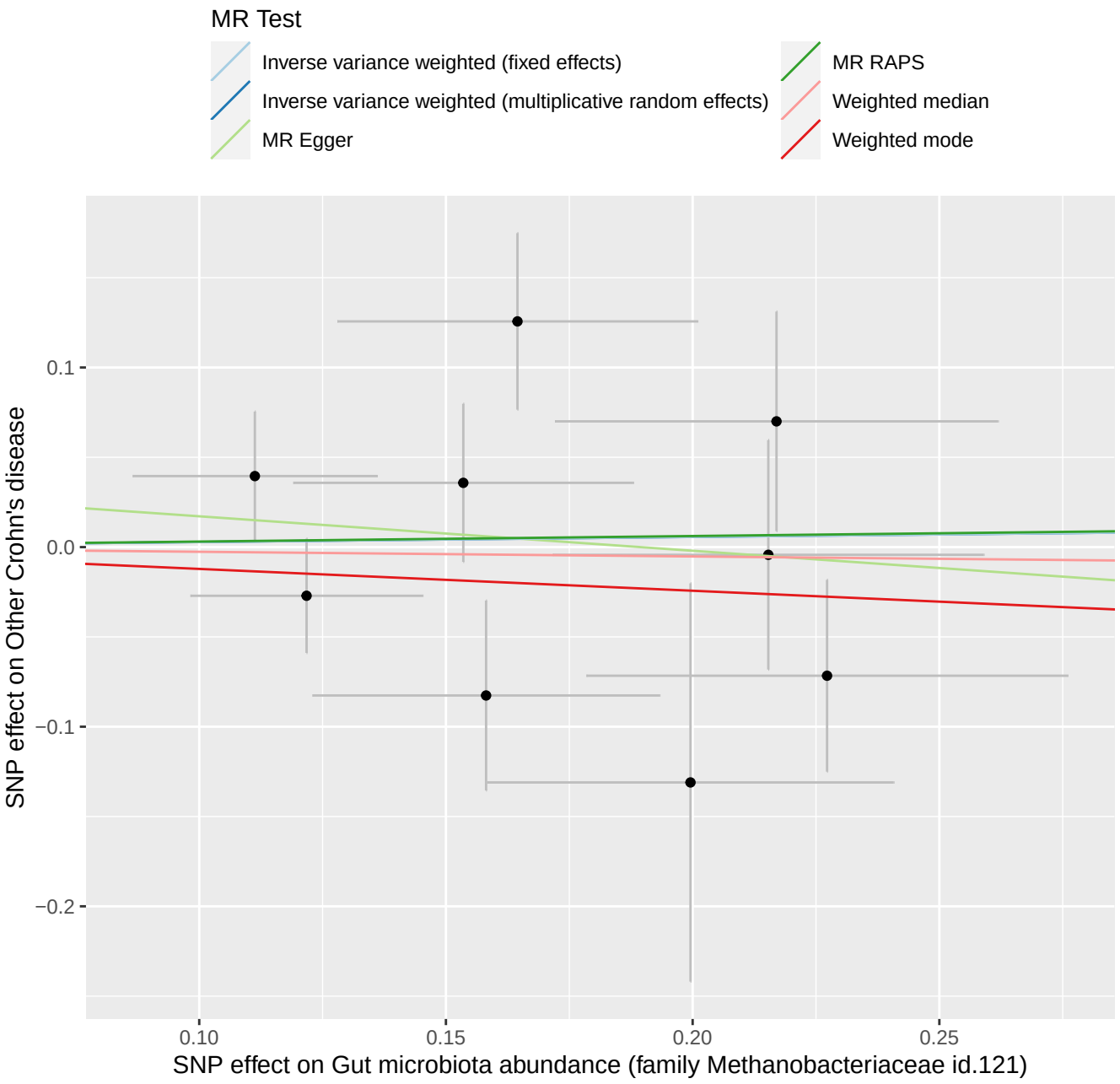


Batch 167 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Other Crohn's disease

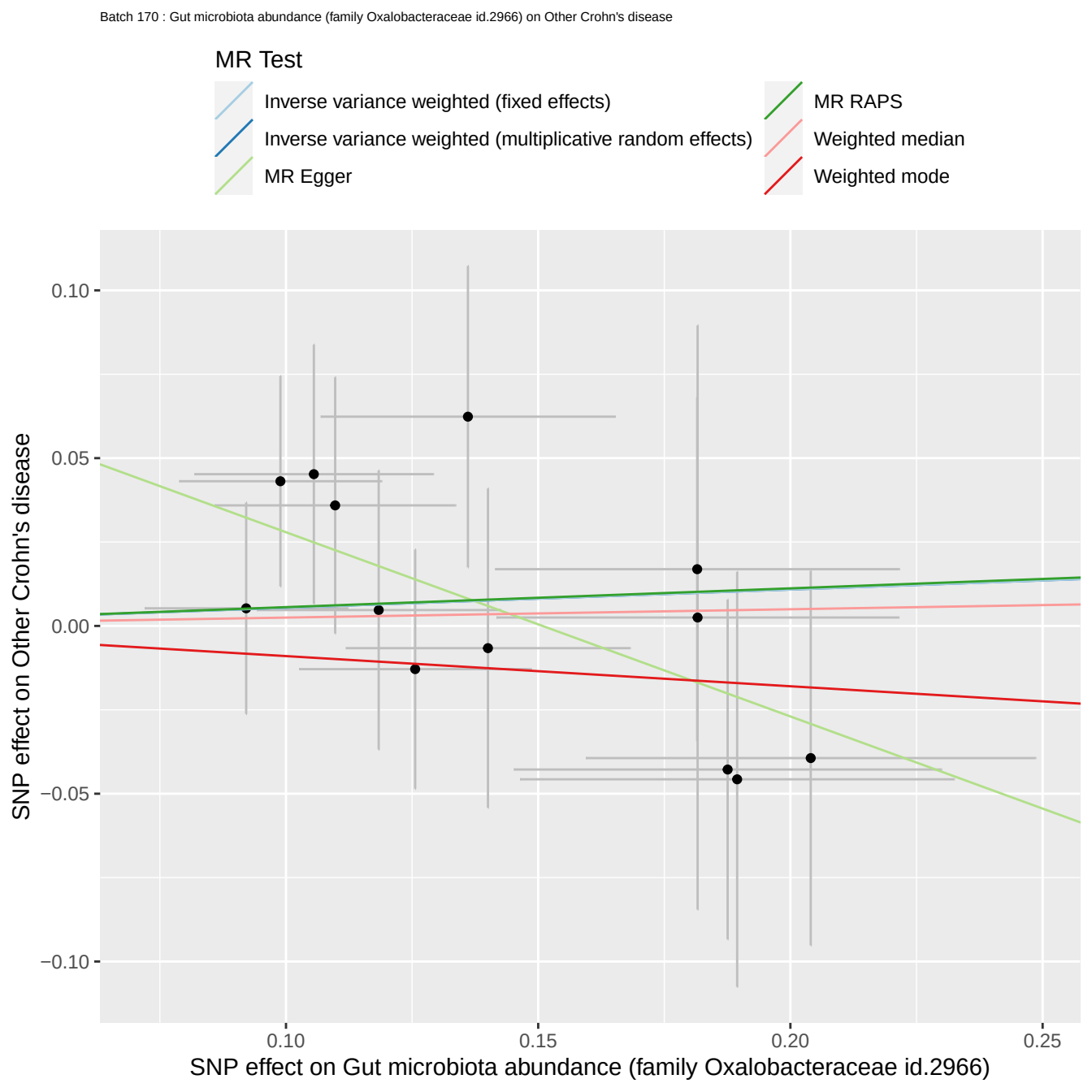


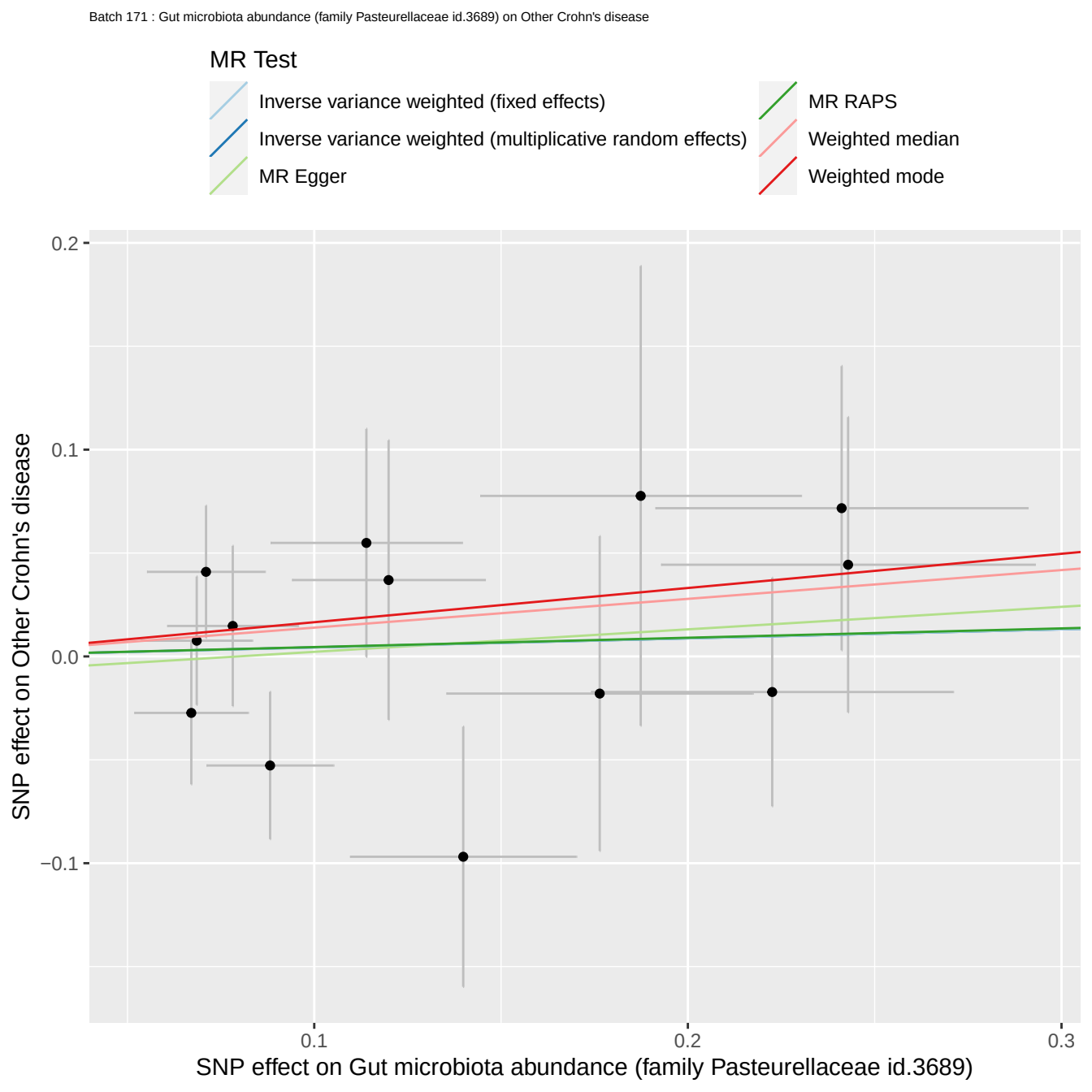

Batch 168 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

Batch 169 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Other Crohn's disease

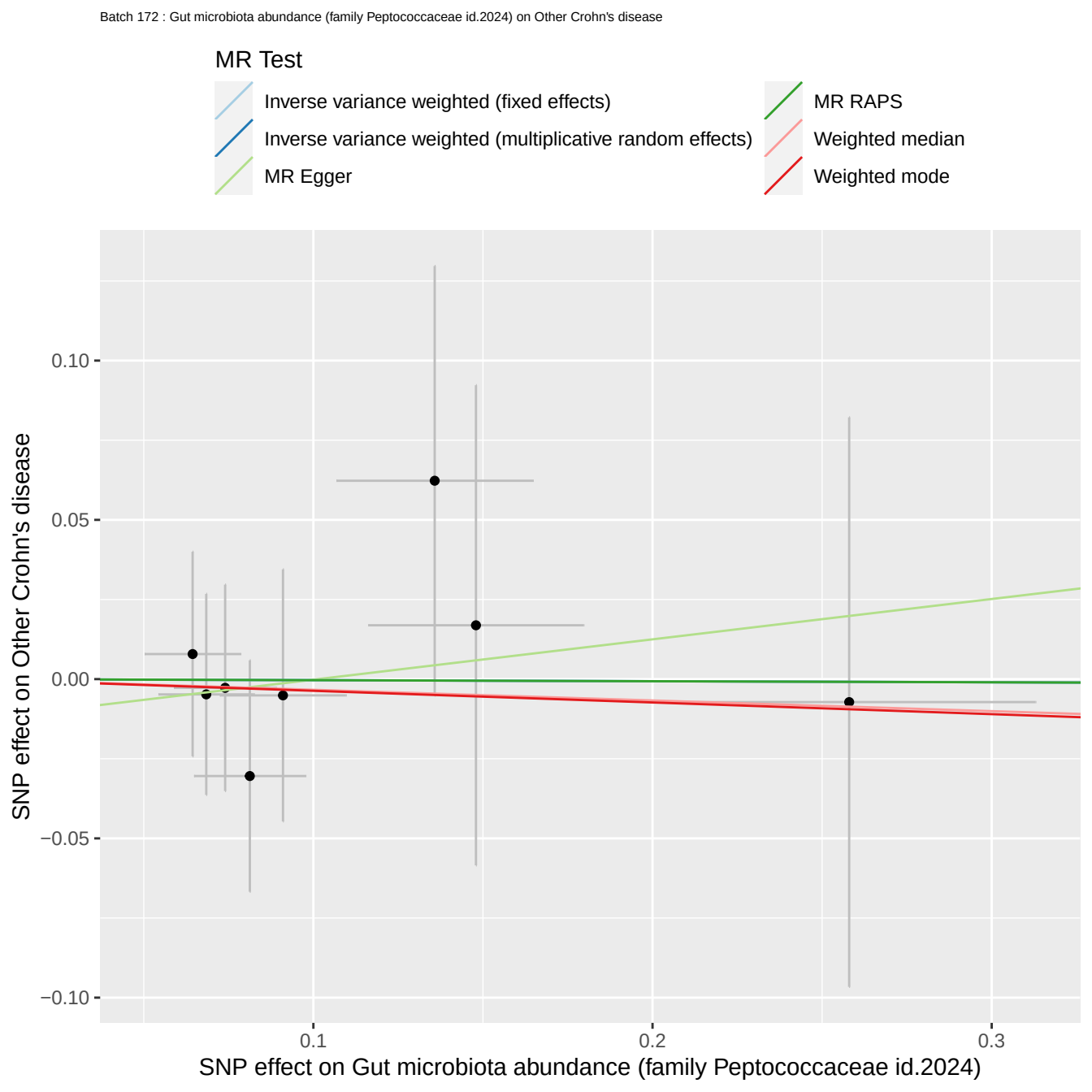


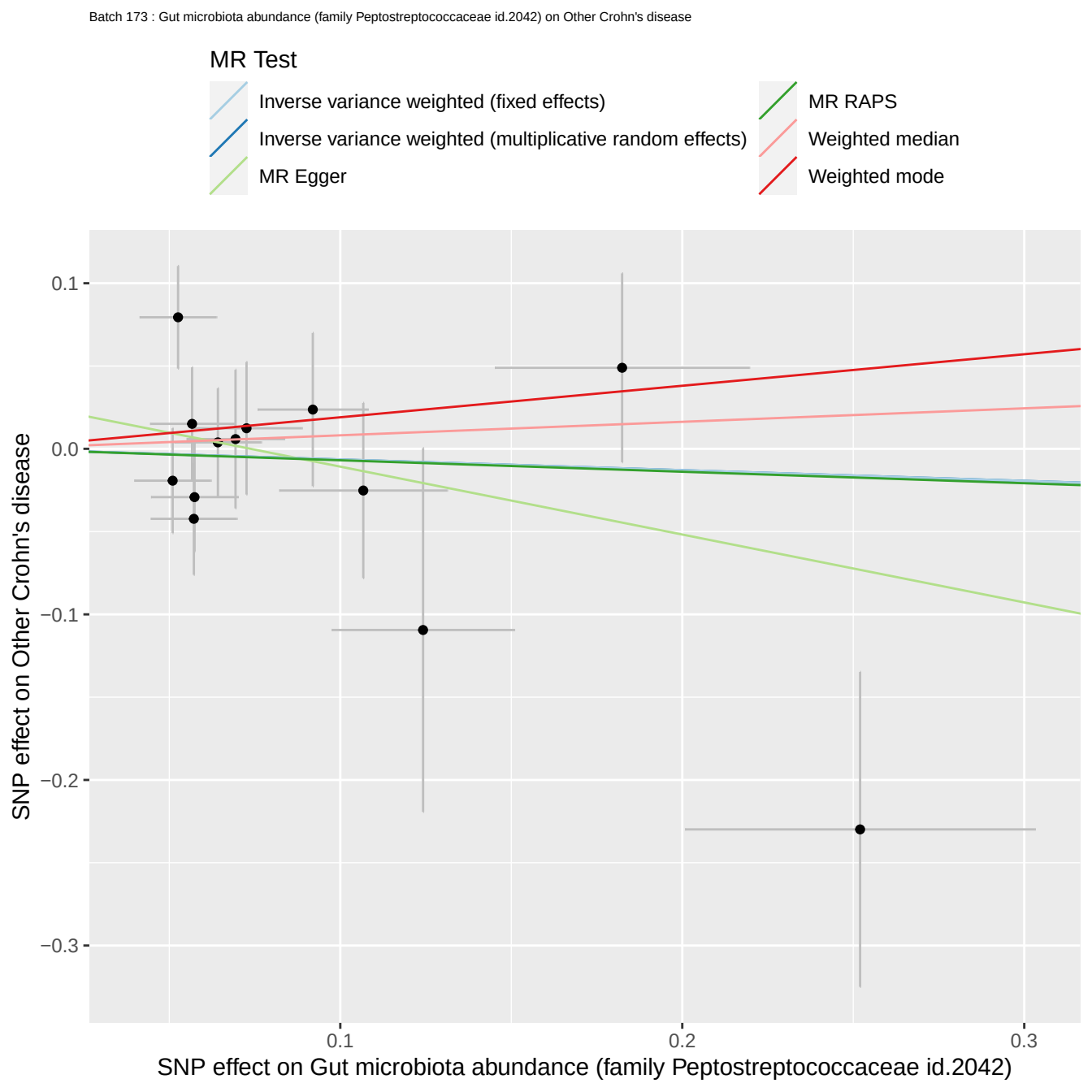
Batch 170 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Other Crohn's disease

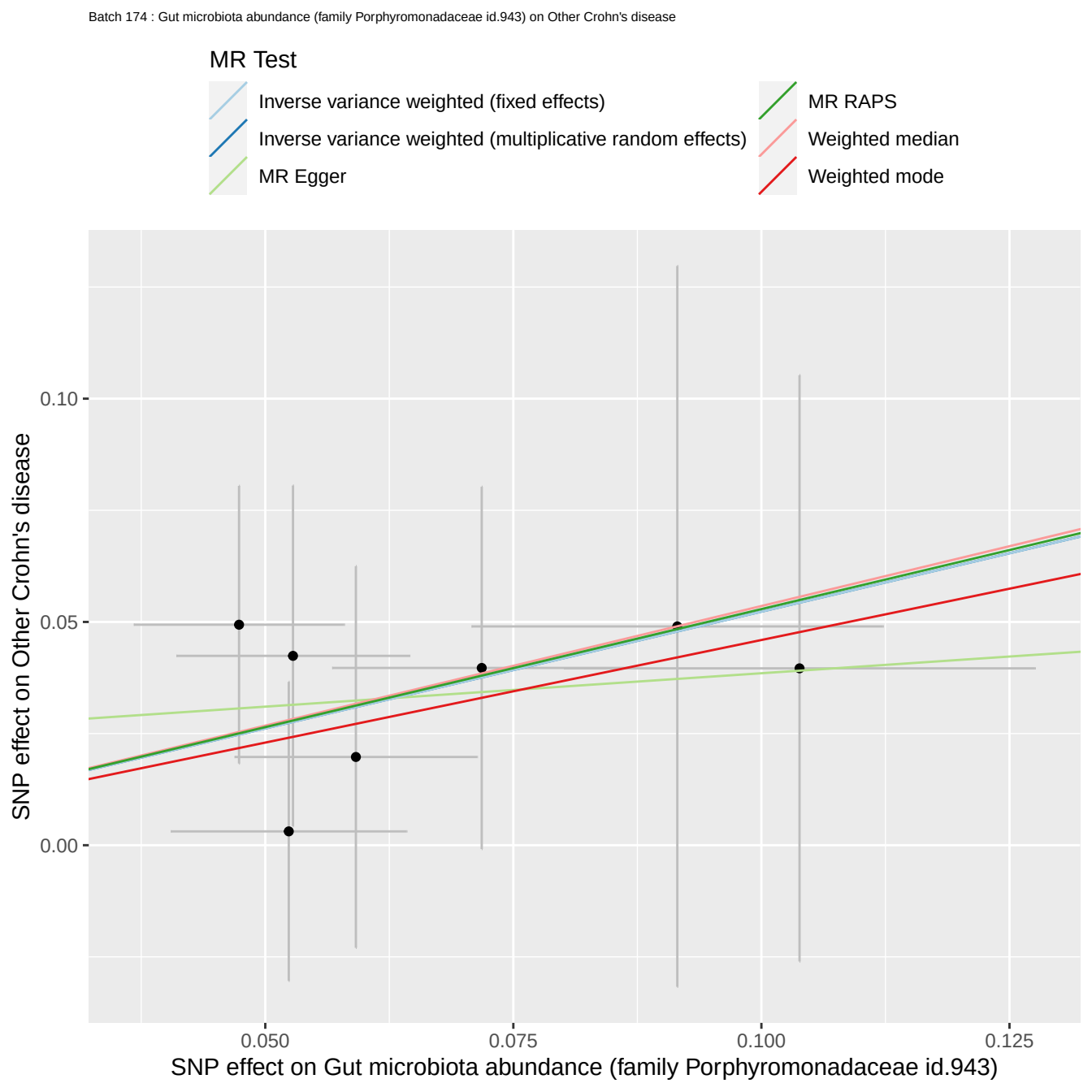


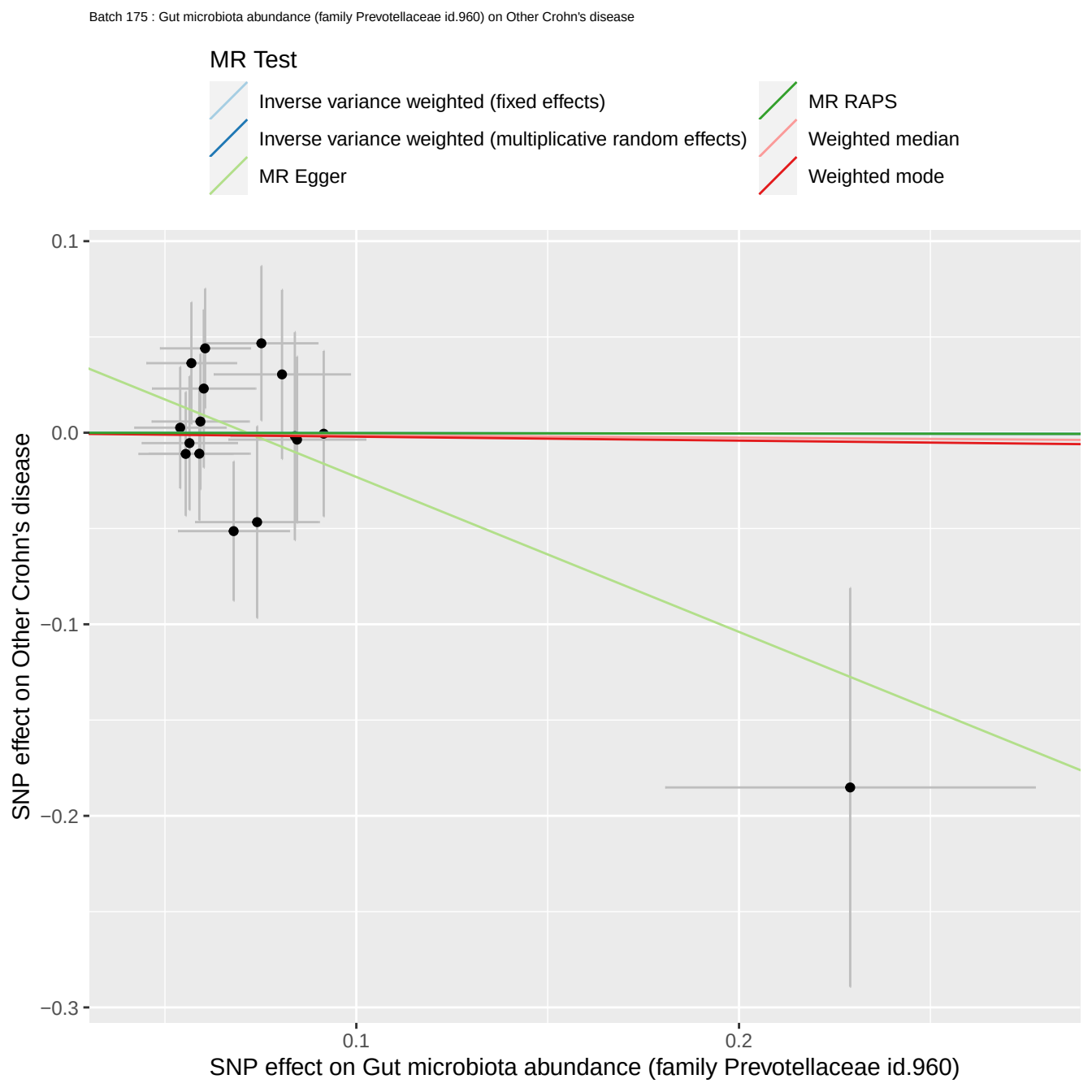

Batch 171 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

Batch 172 : Gut microbiota abundance (family Peptococcaceae id.2024) on Other Crohn's disease

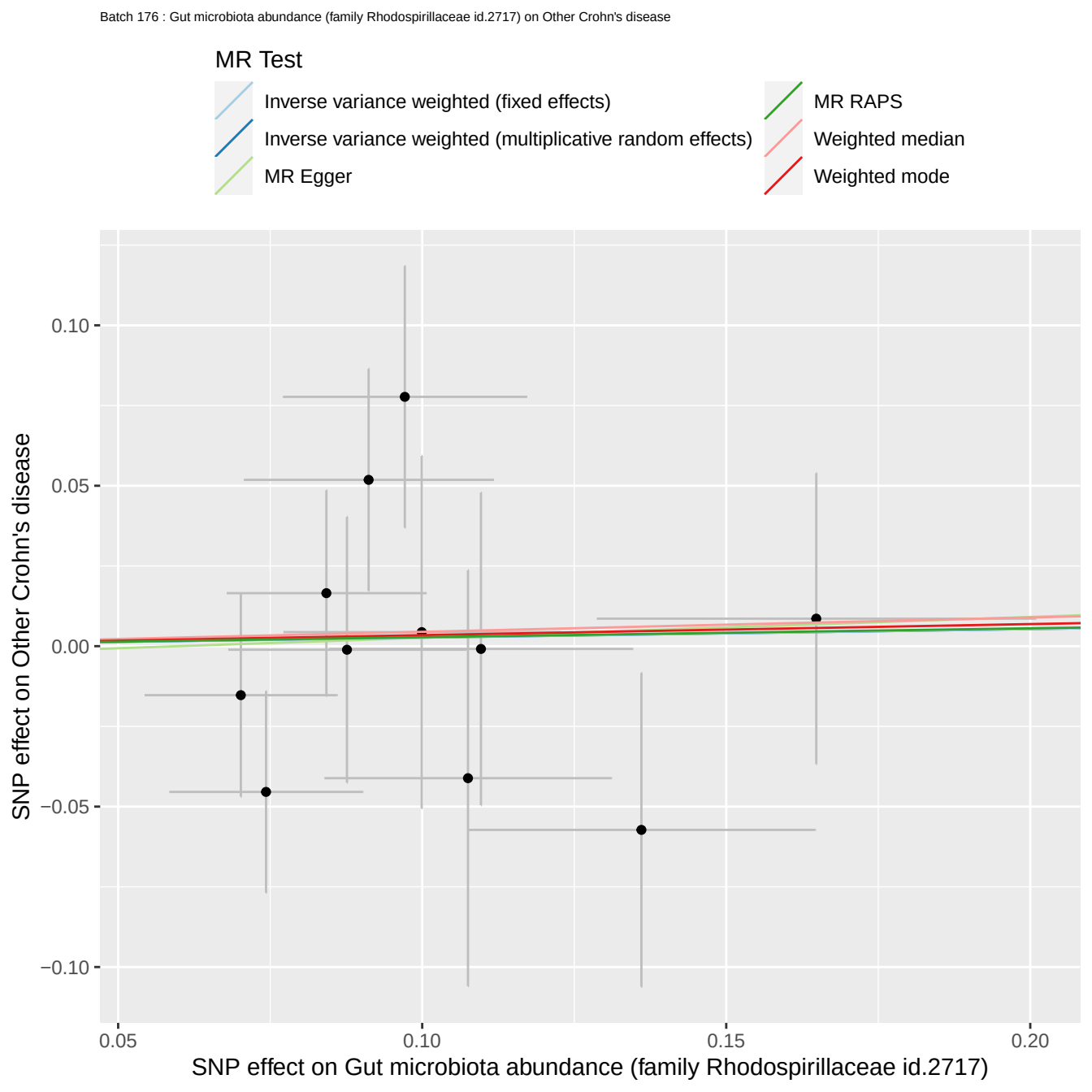


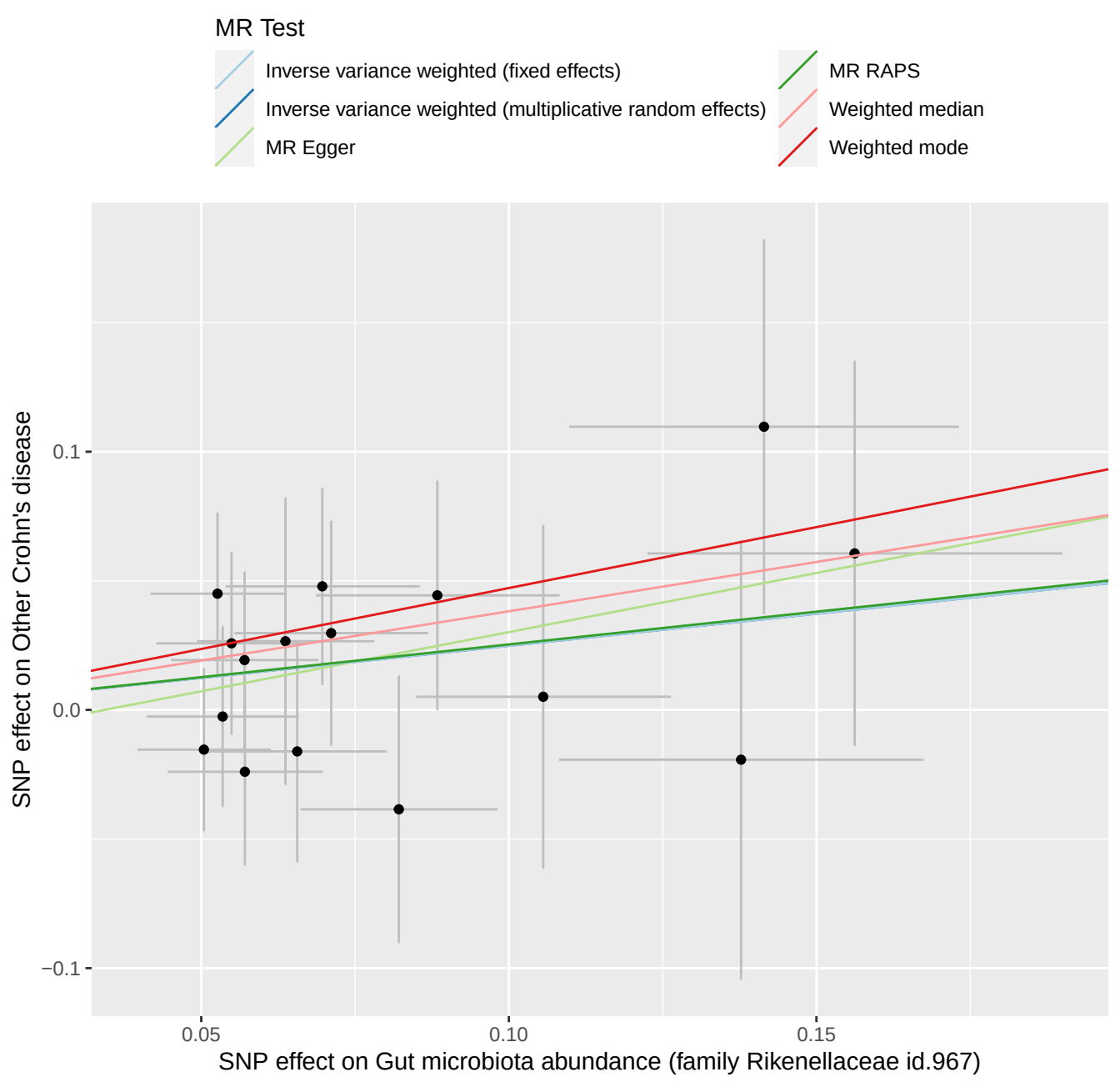

Batch 173 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)


Batch 174 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

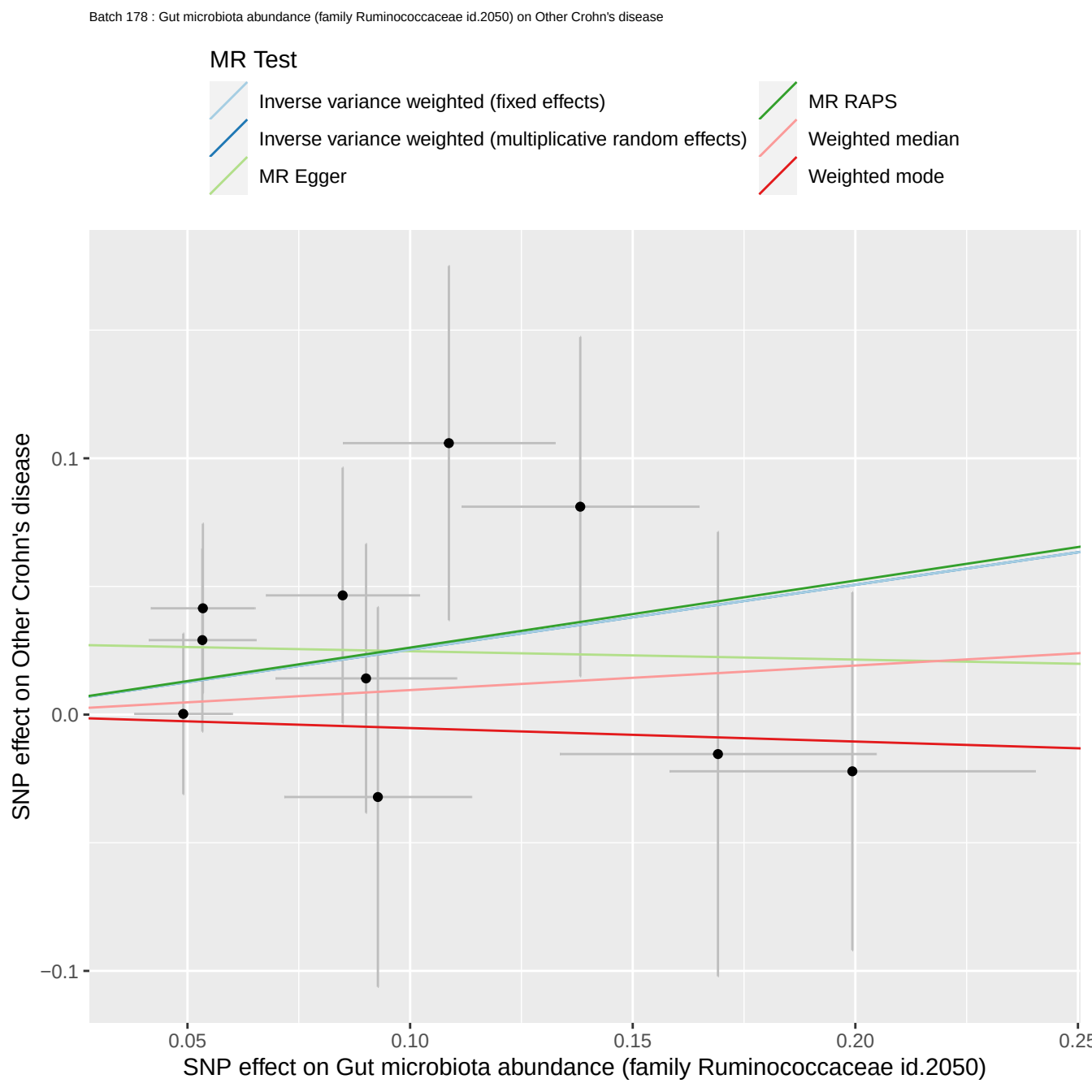

Batch 175 : Gut microbiota abundance (family Prevotellaceae id.960) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
−0.3
SNP effect on Other Crohn's disease
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

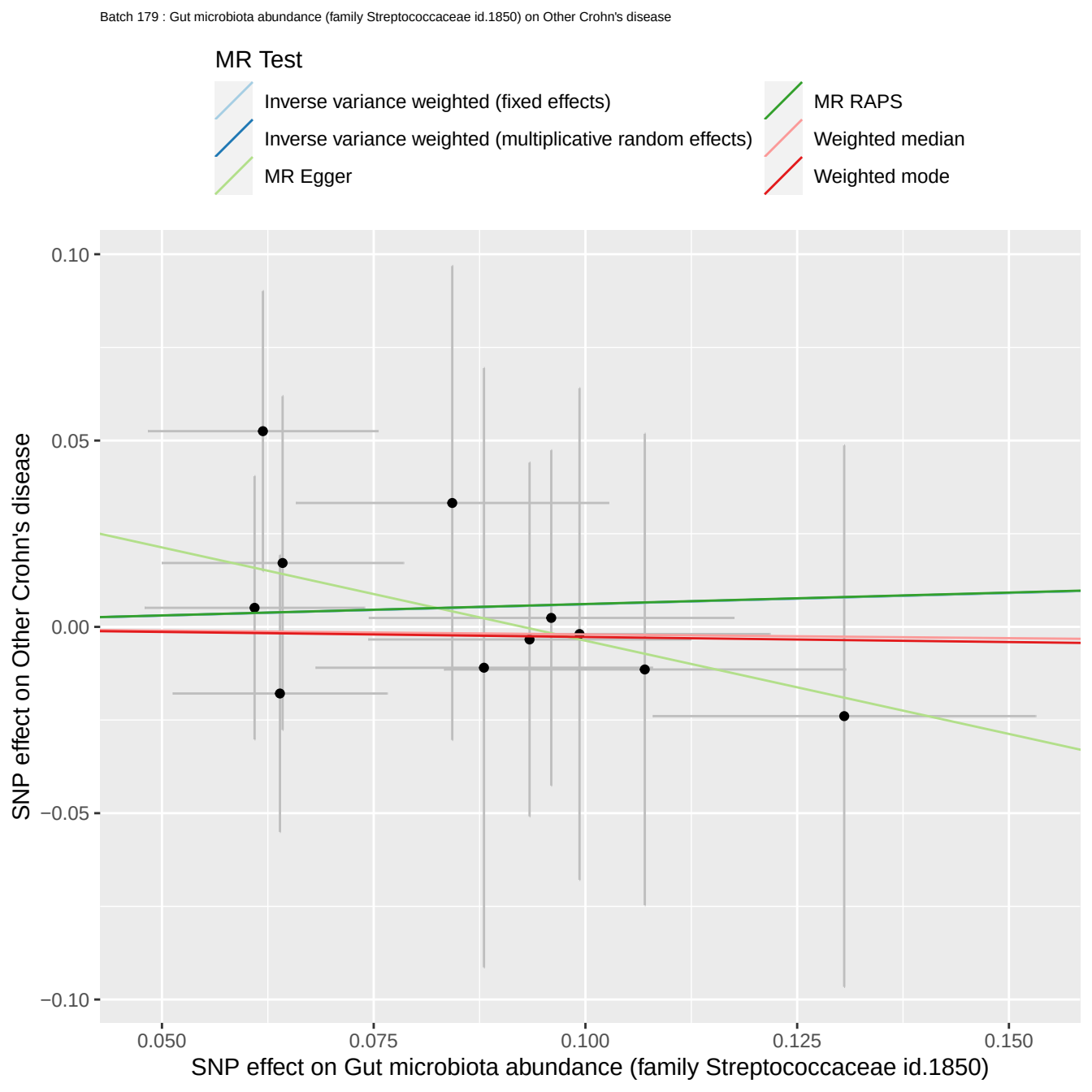
Batch 176 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Other Crohn's disease

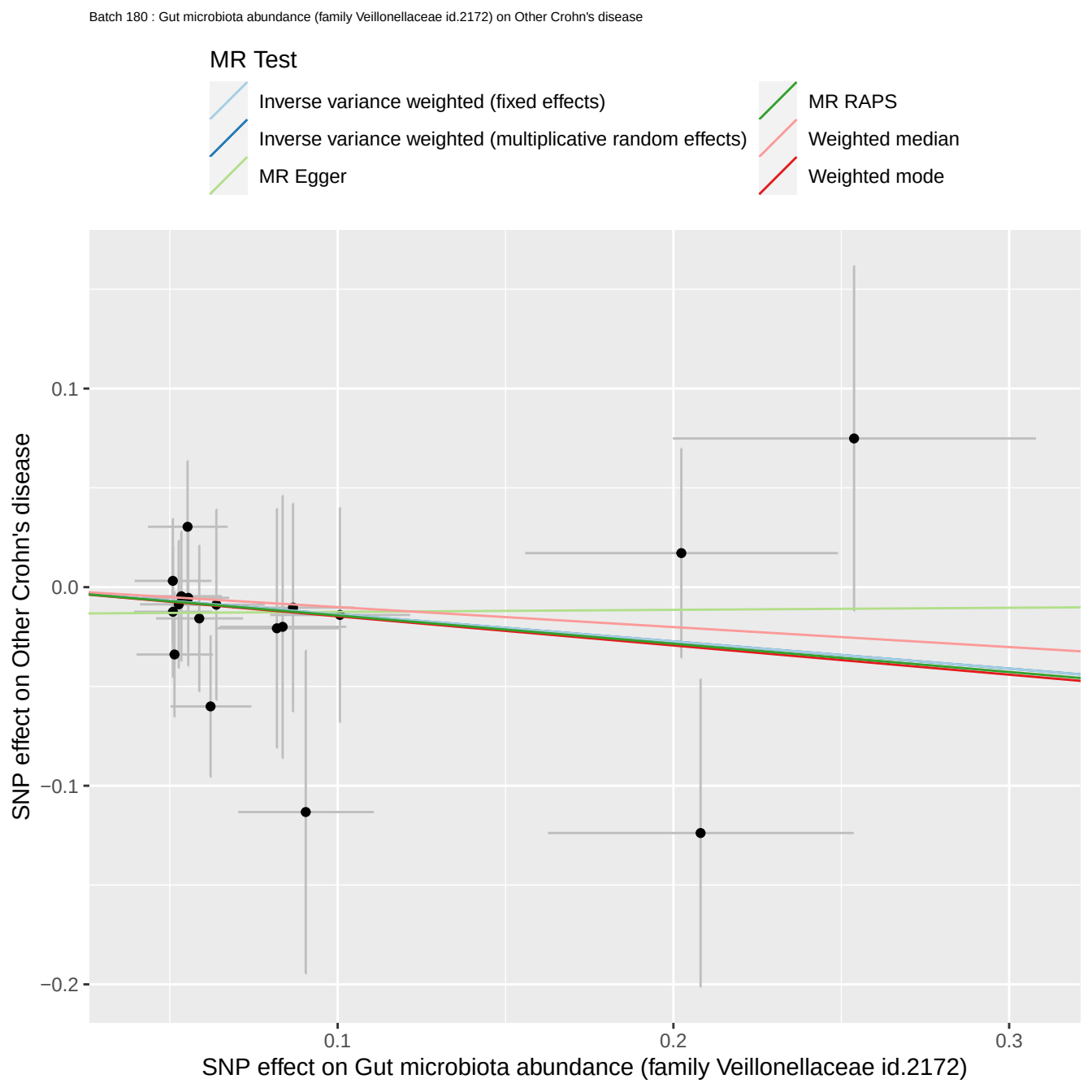


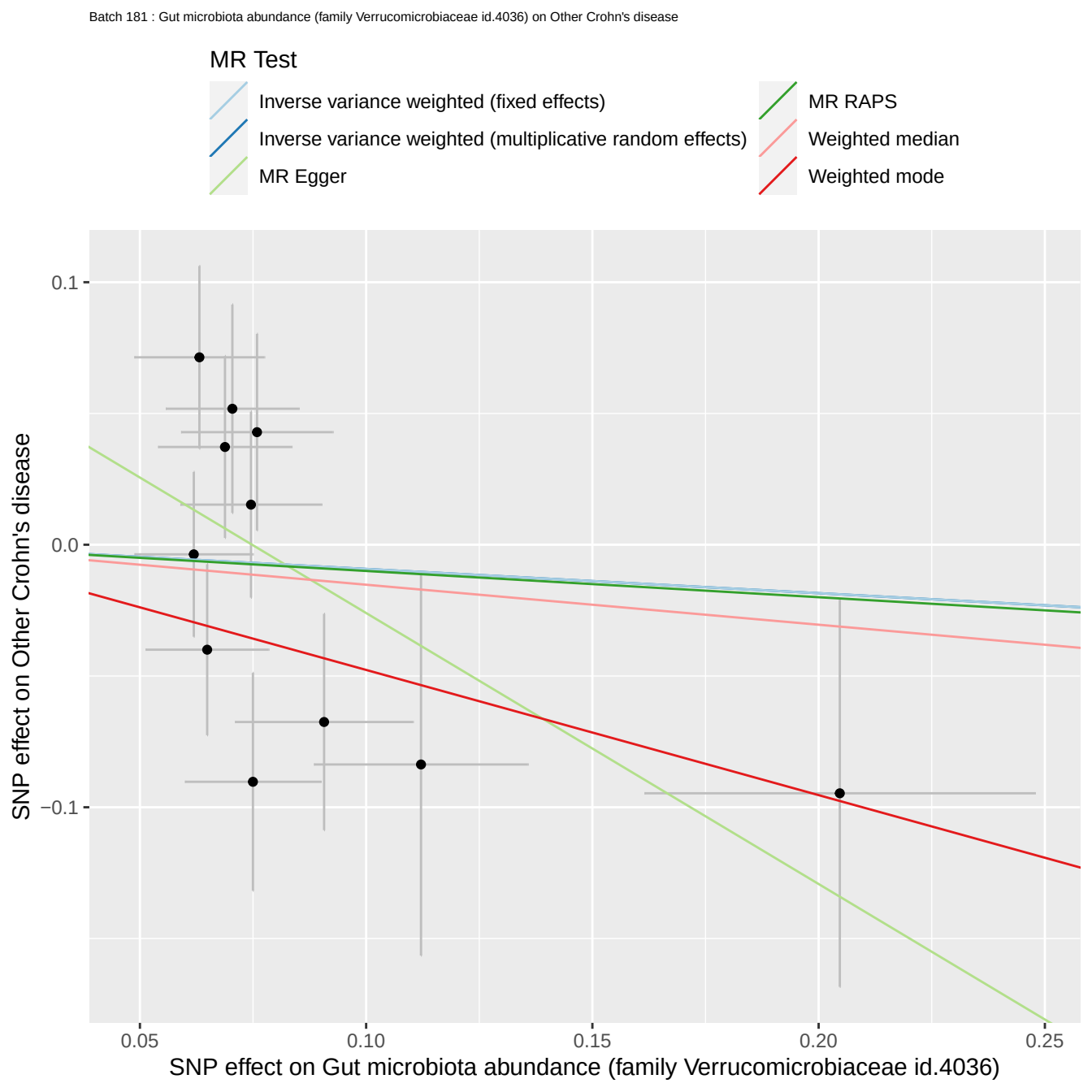

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

Batch 178 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Other Crohn's disease

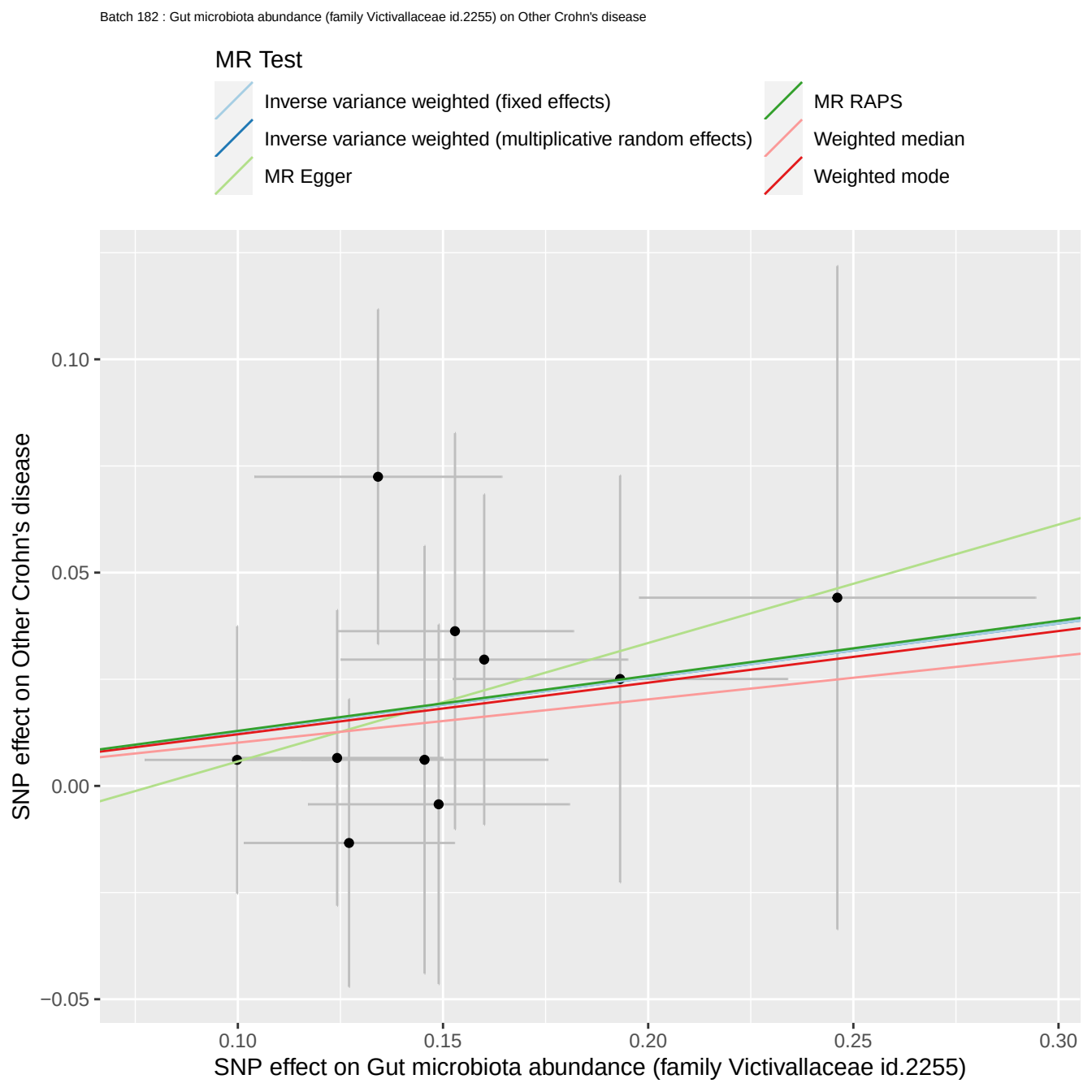


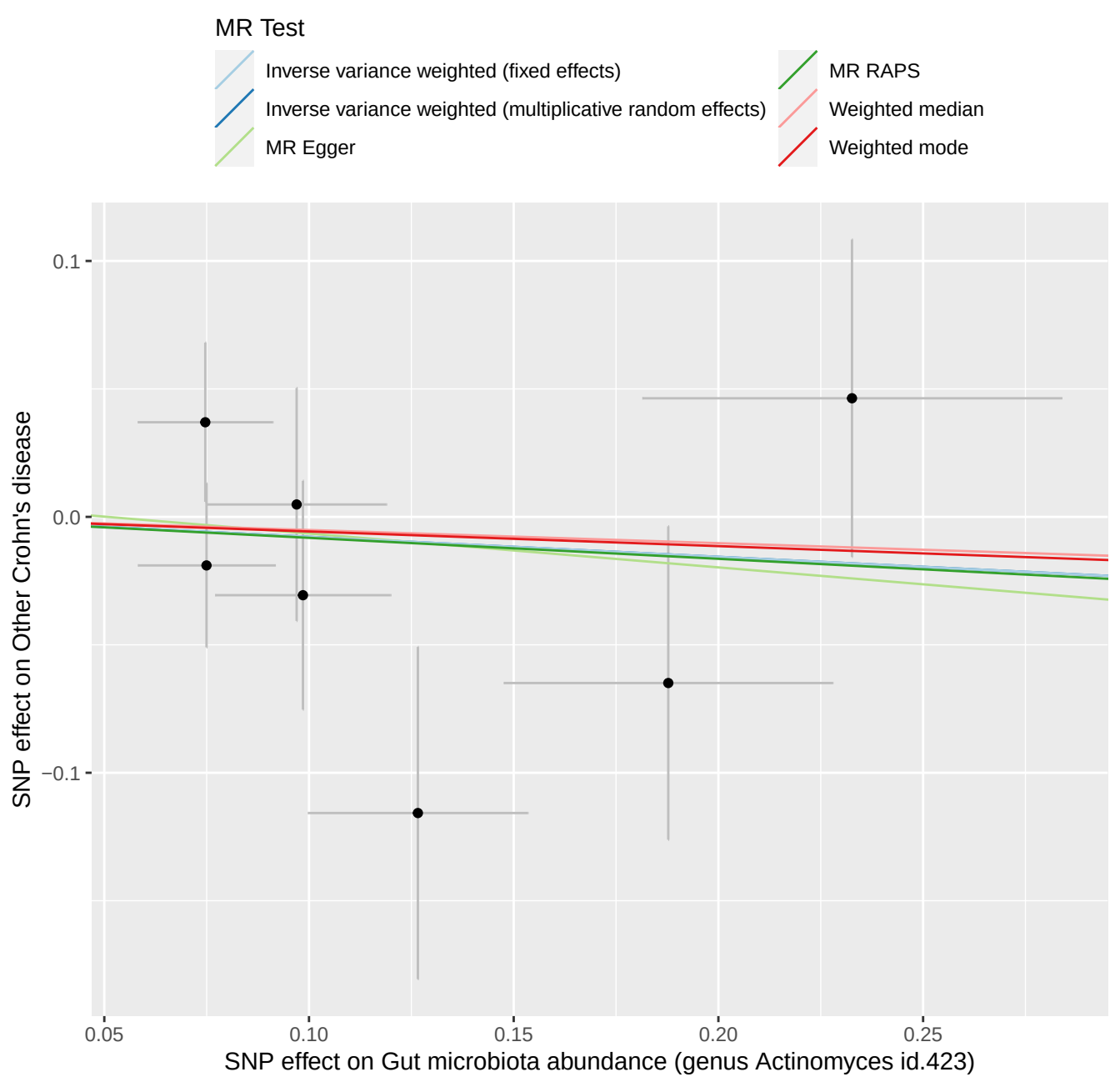

Batch 179 : Gut microbiota abundance (family Streptococcaceae id.1850) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)


Batch 180 : Gut microbiota abundance (family Veillonellaceae id.2172) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

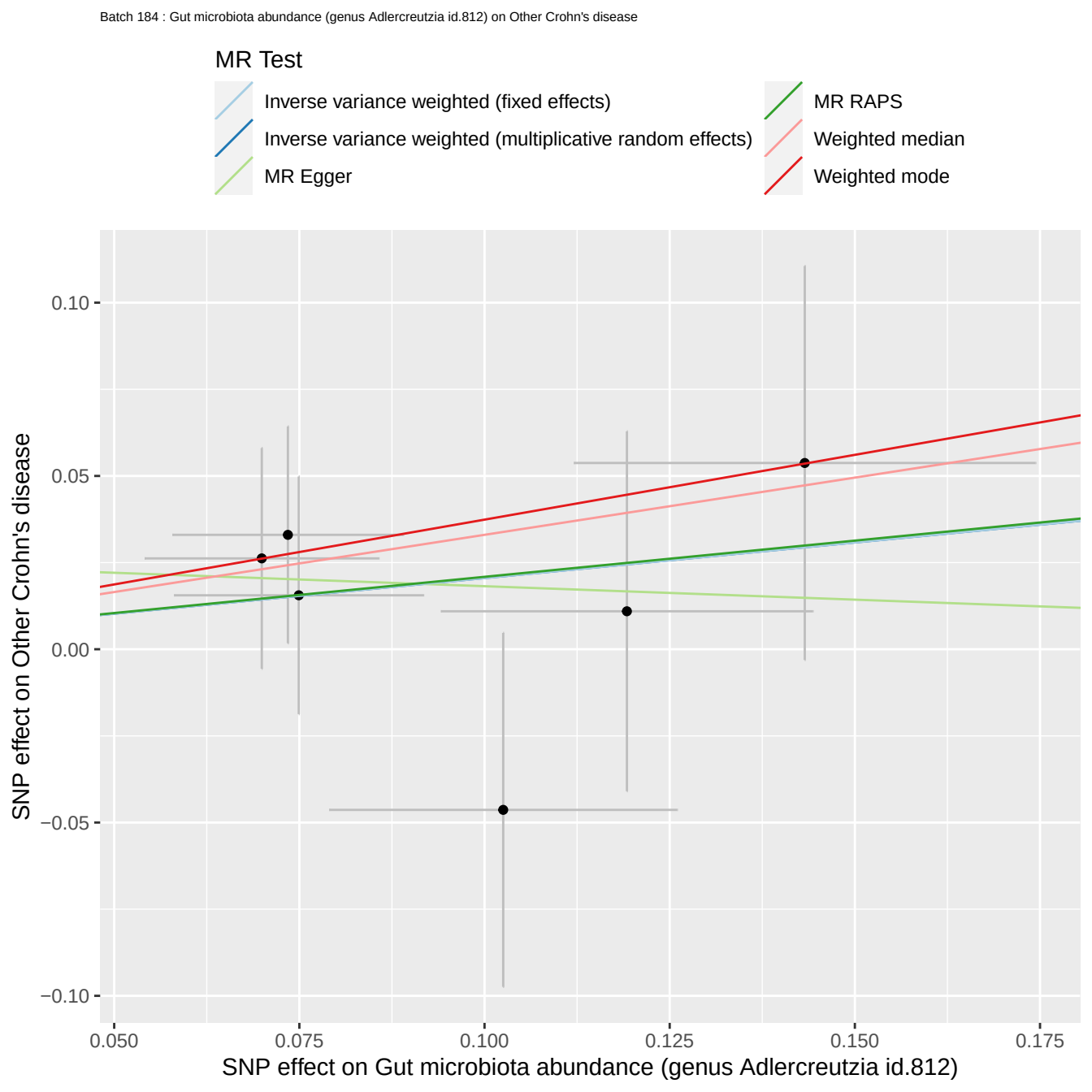

Batch 181 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

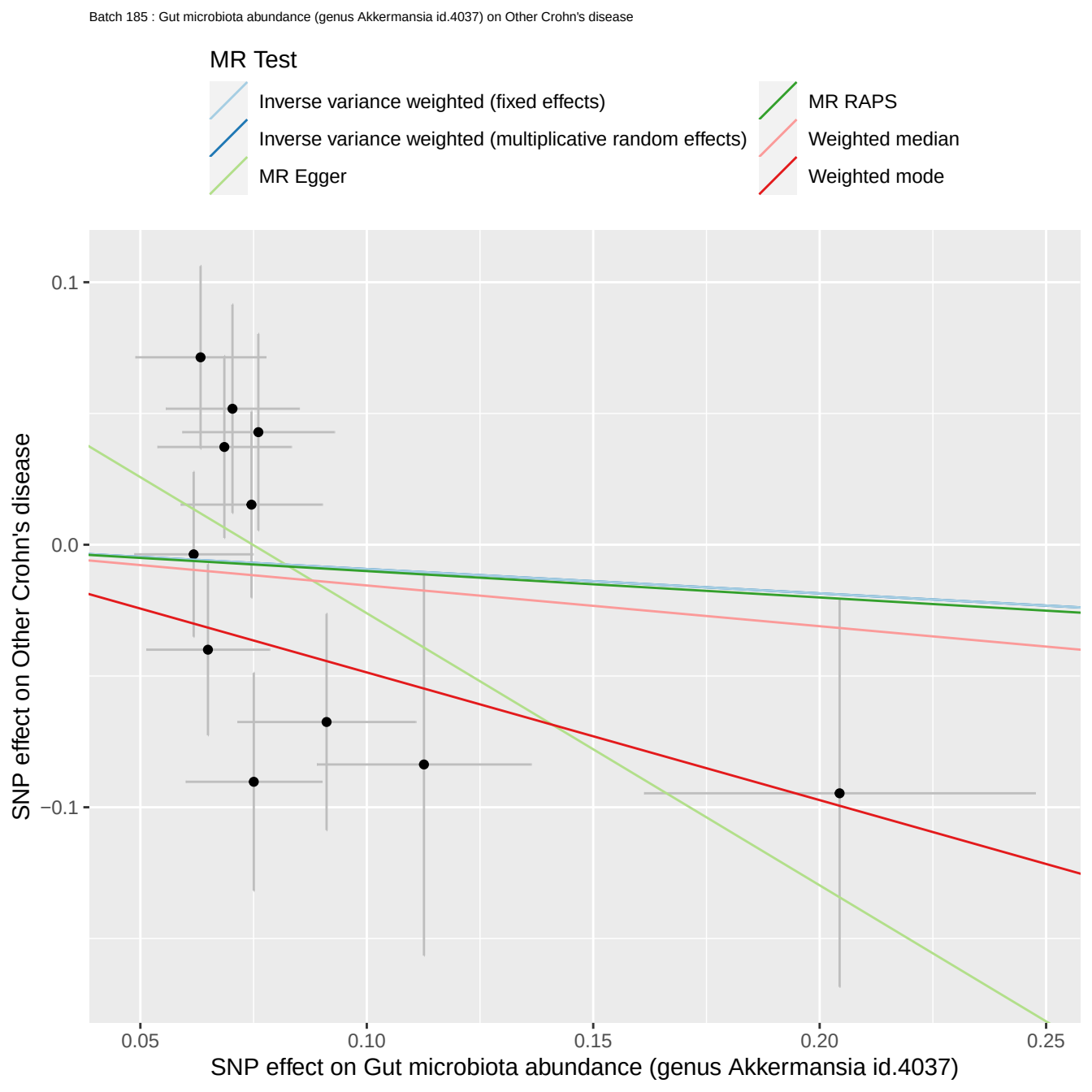
Batch 182 : Gut microbiota abundance (family Victivallaceae id.2255) on Other Crohn's disease

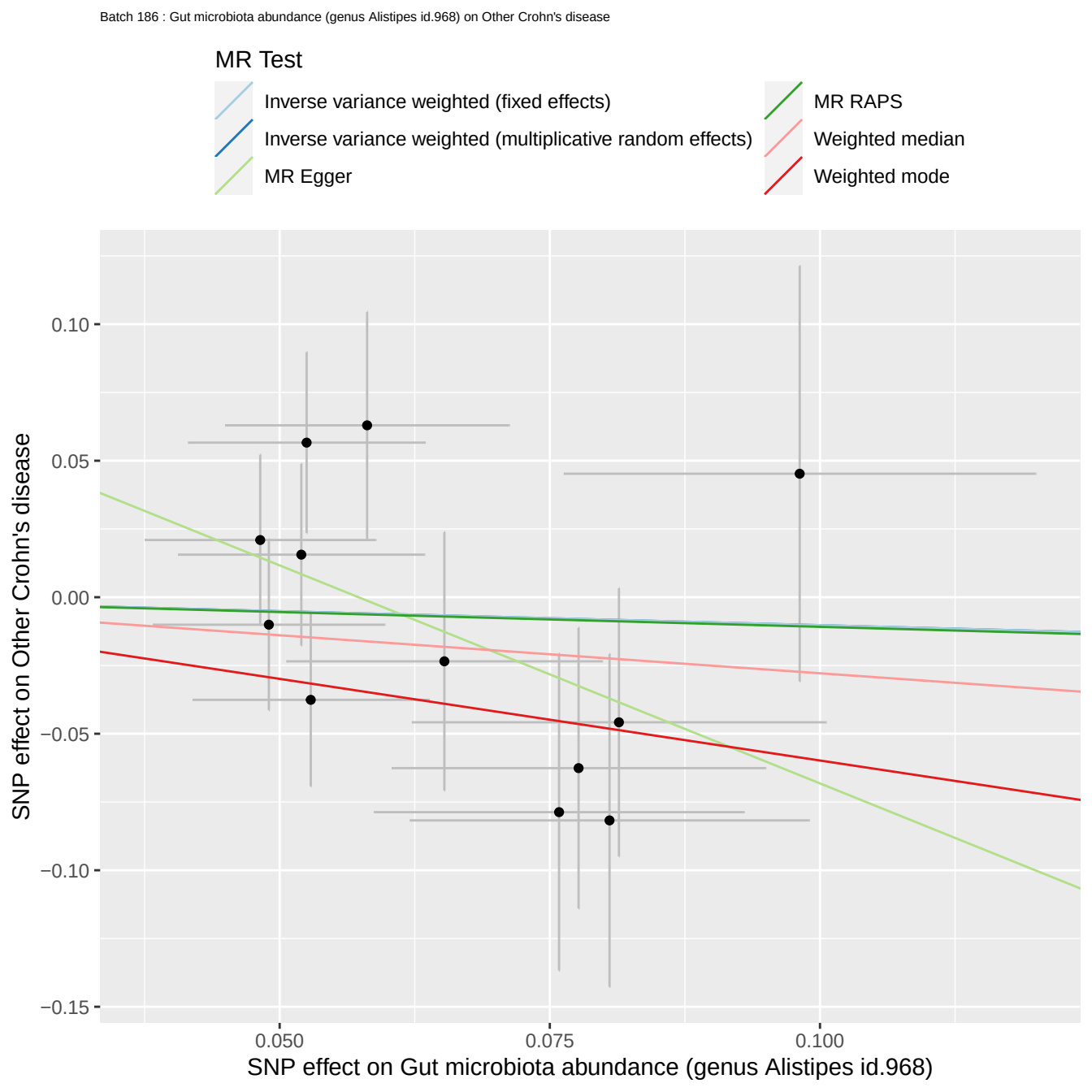



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

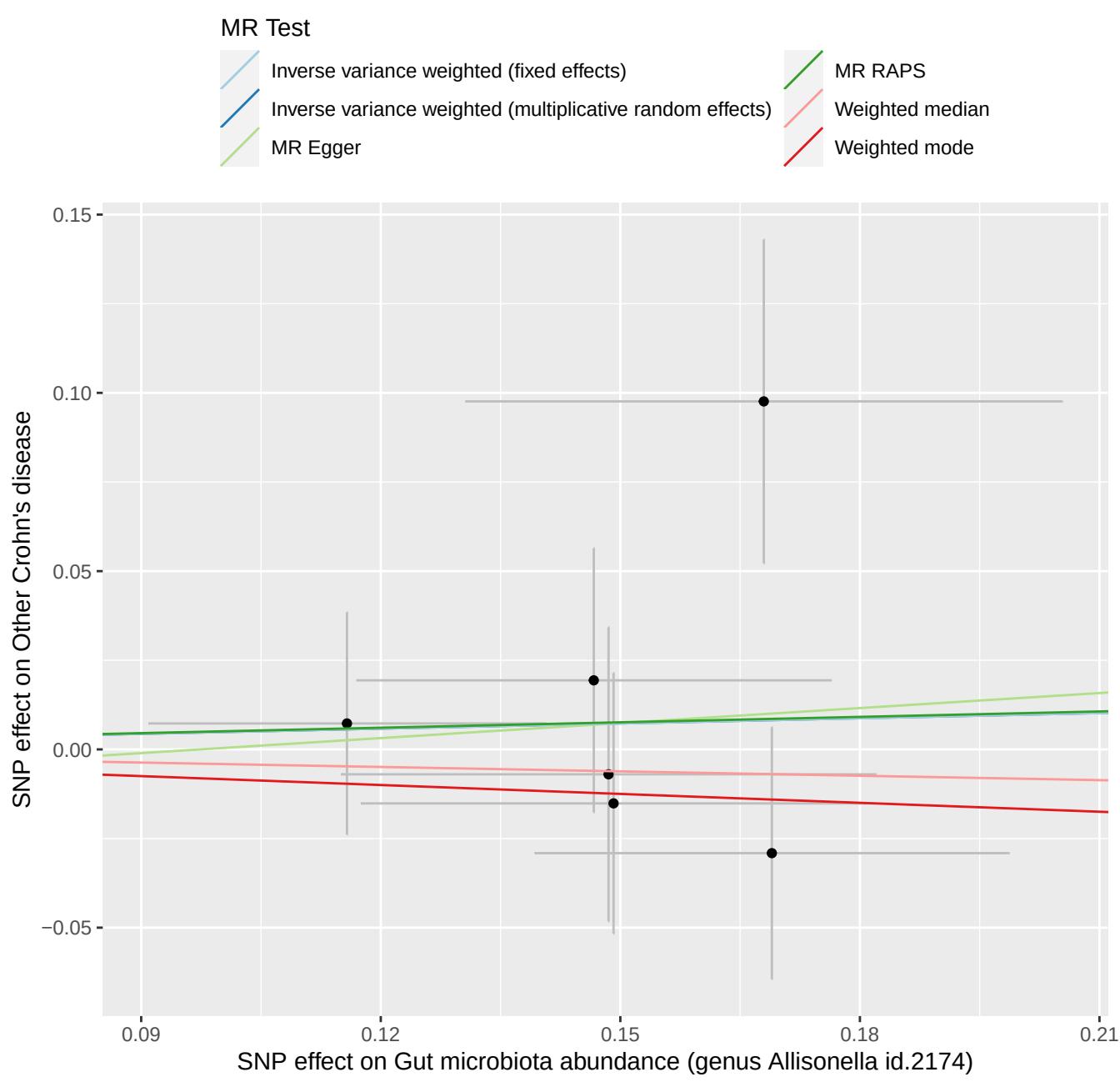
Batch 184 : Gut microbiota abundance (genus Adlercreutzia id.812) on Other Crohn's disease

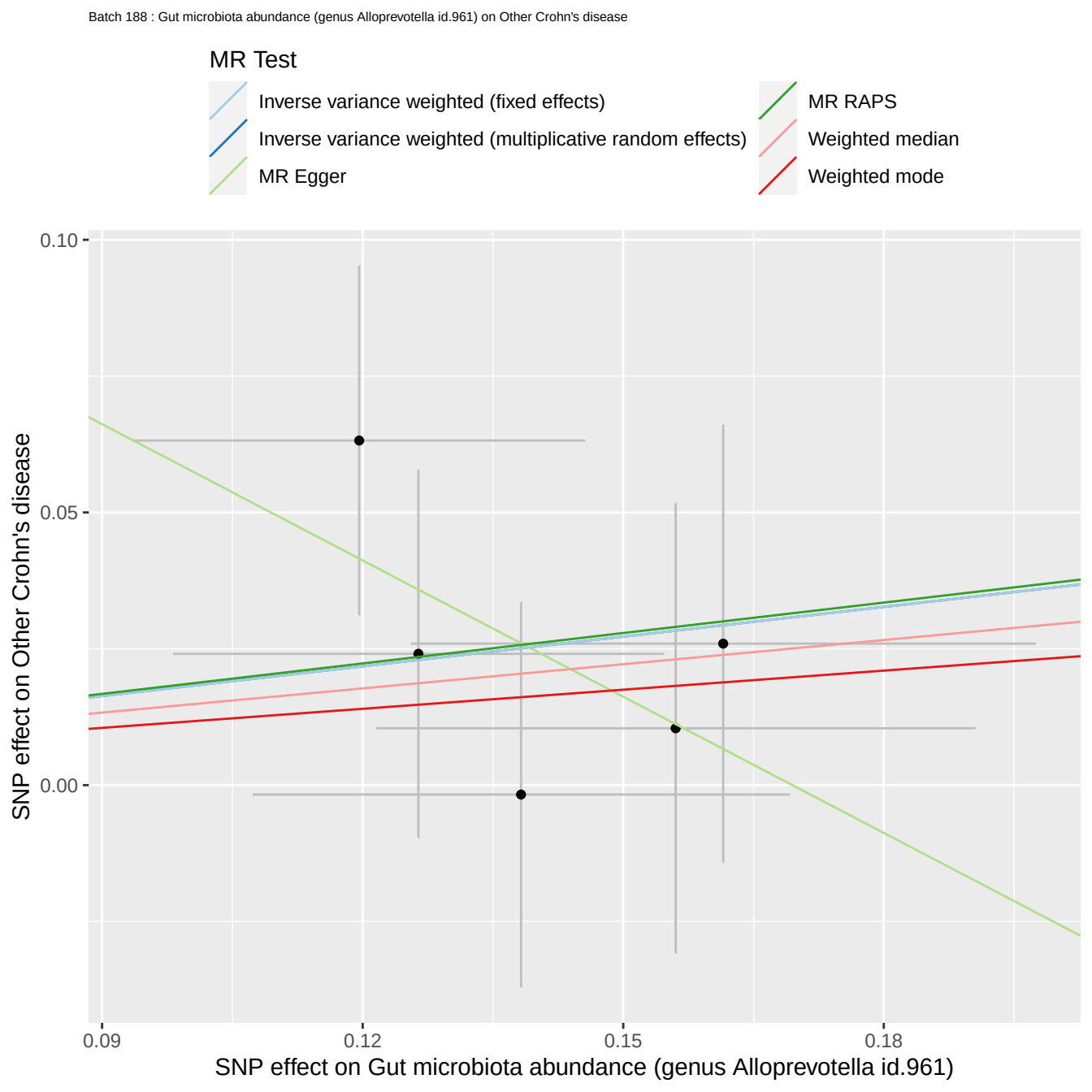



Batch 185 : Gut microbiota abundance (genus Akkermansia id.4037) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

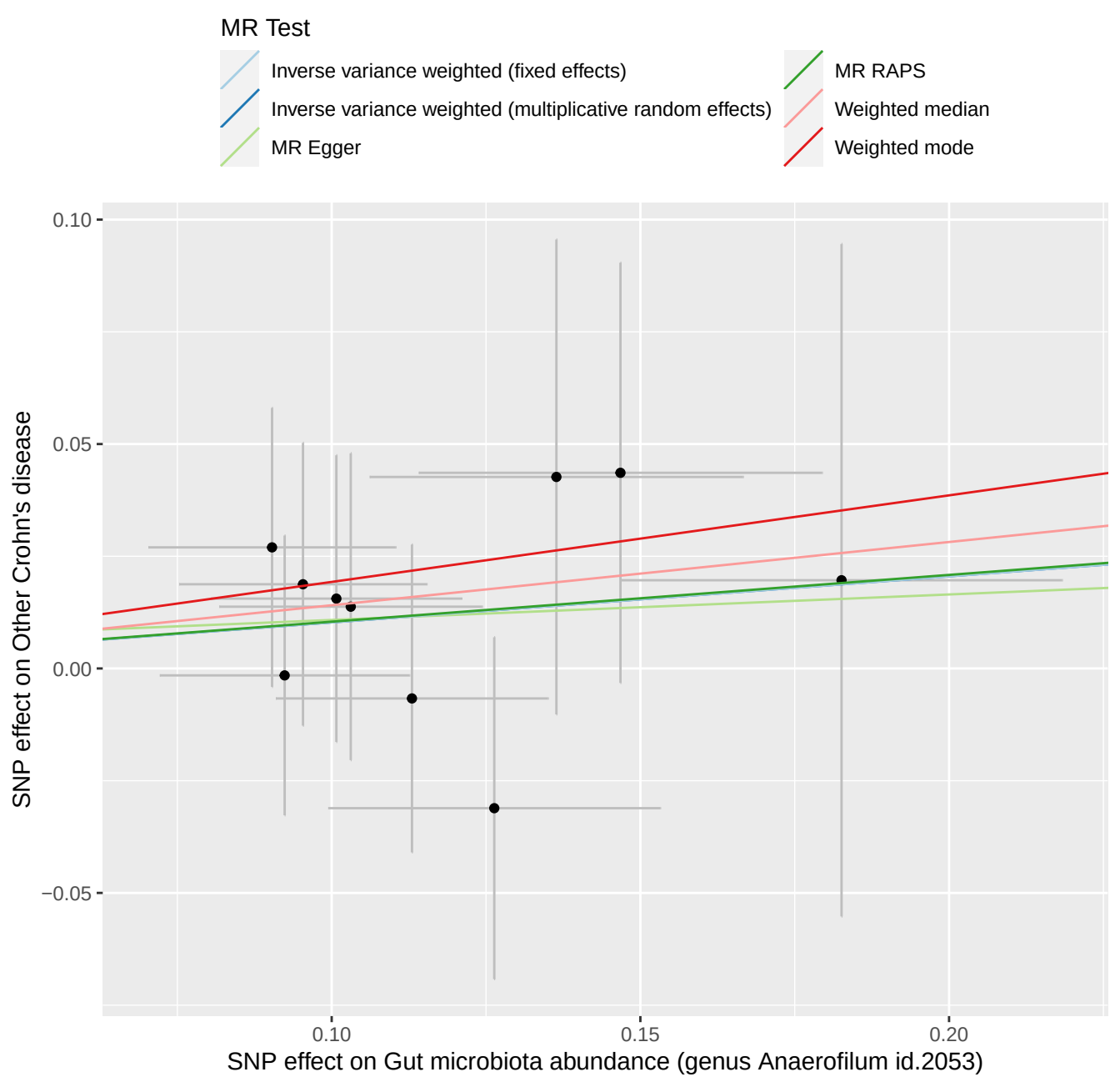

Batch 186 : Gut microbiota abundance (genus Alistipes id.968) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)

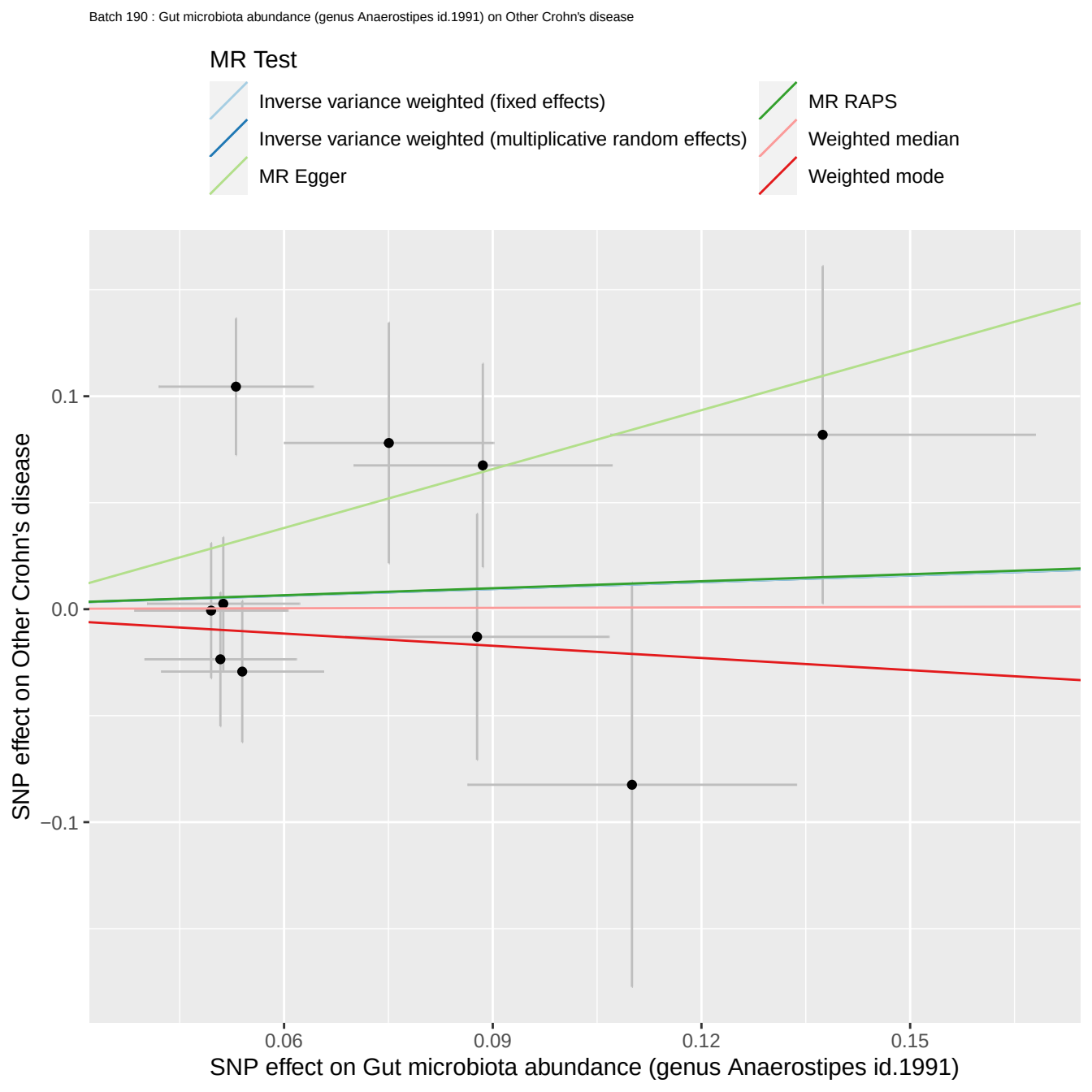
Batch 187 : Gut microbiota abundance (genus Allisonella id.2174) on Other Crohn's disease

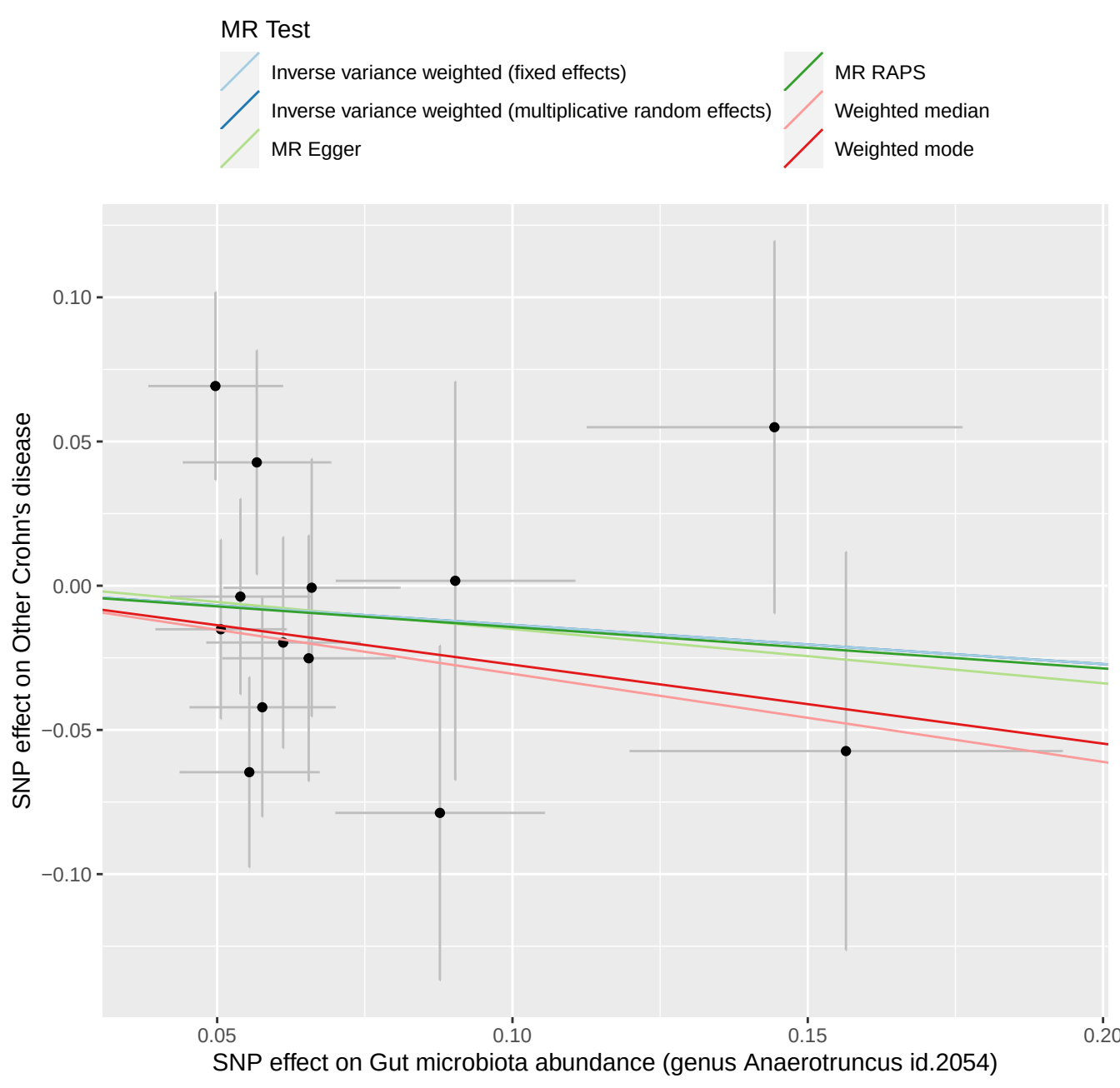



Batch 188 : Gut microbiota abundance (genus Alloprevotella id.961) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
SNP effect on Other Crohn's disease
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

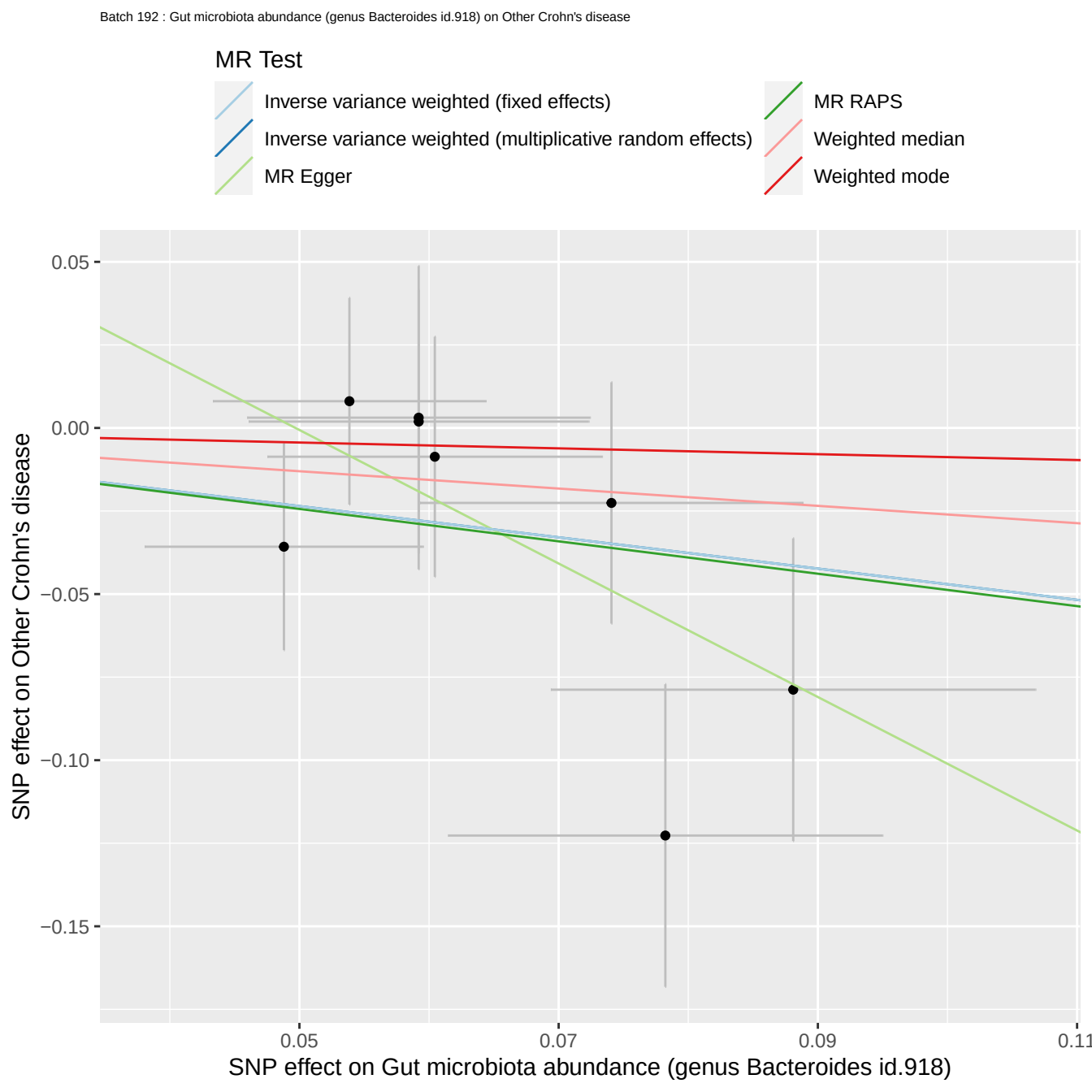
Batch 189 : Gut microbiota abundance (genus Anaerofilum id.2053) on Other Crohn's disease

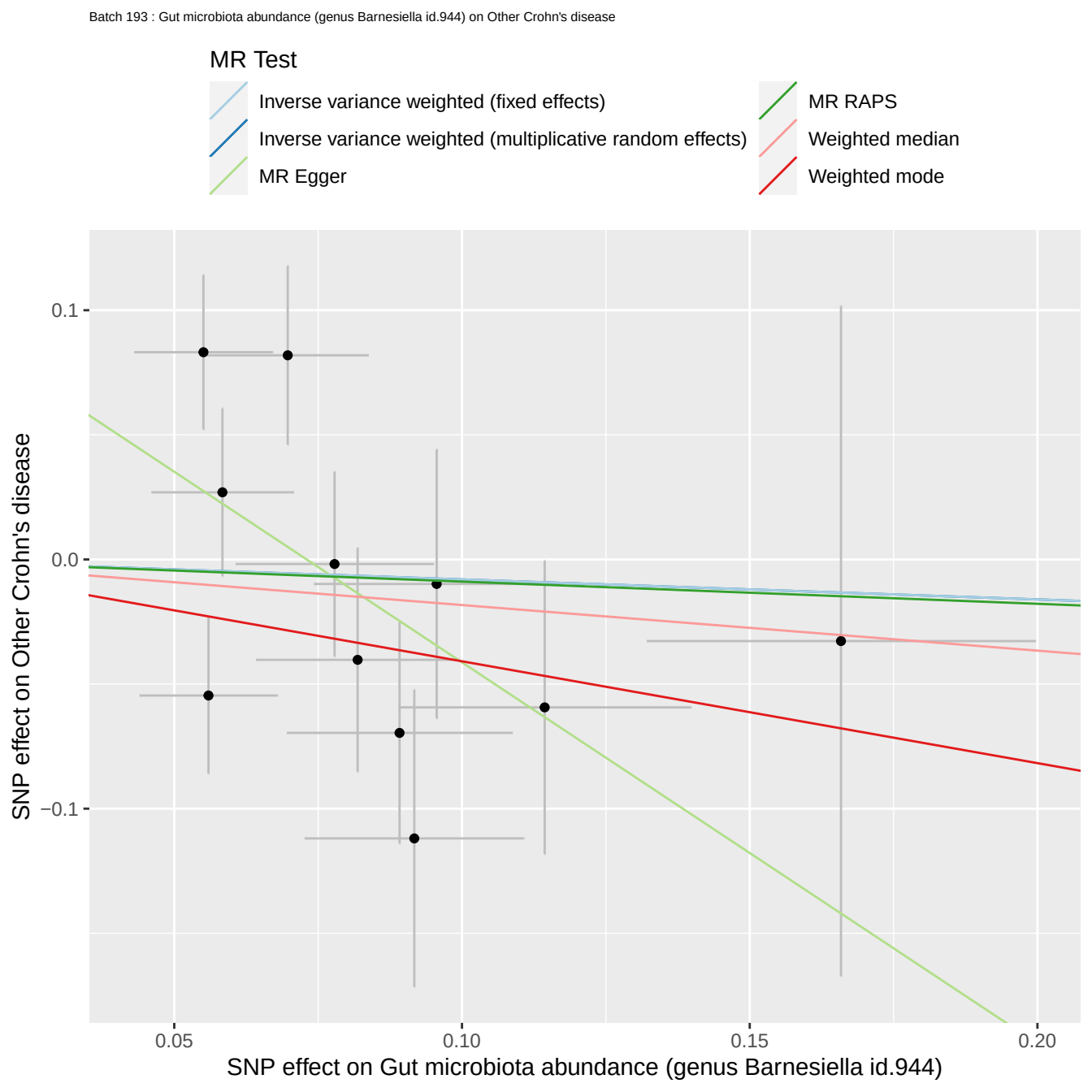



Batch 190 : Gut microbiota abundance (genus Anaerostipes id.1991) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)

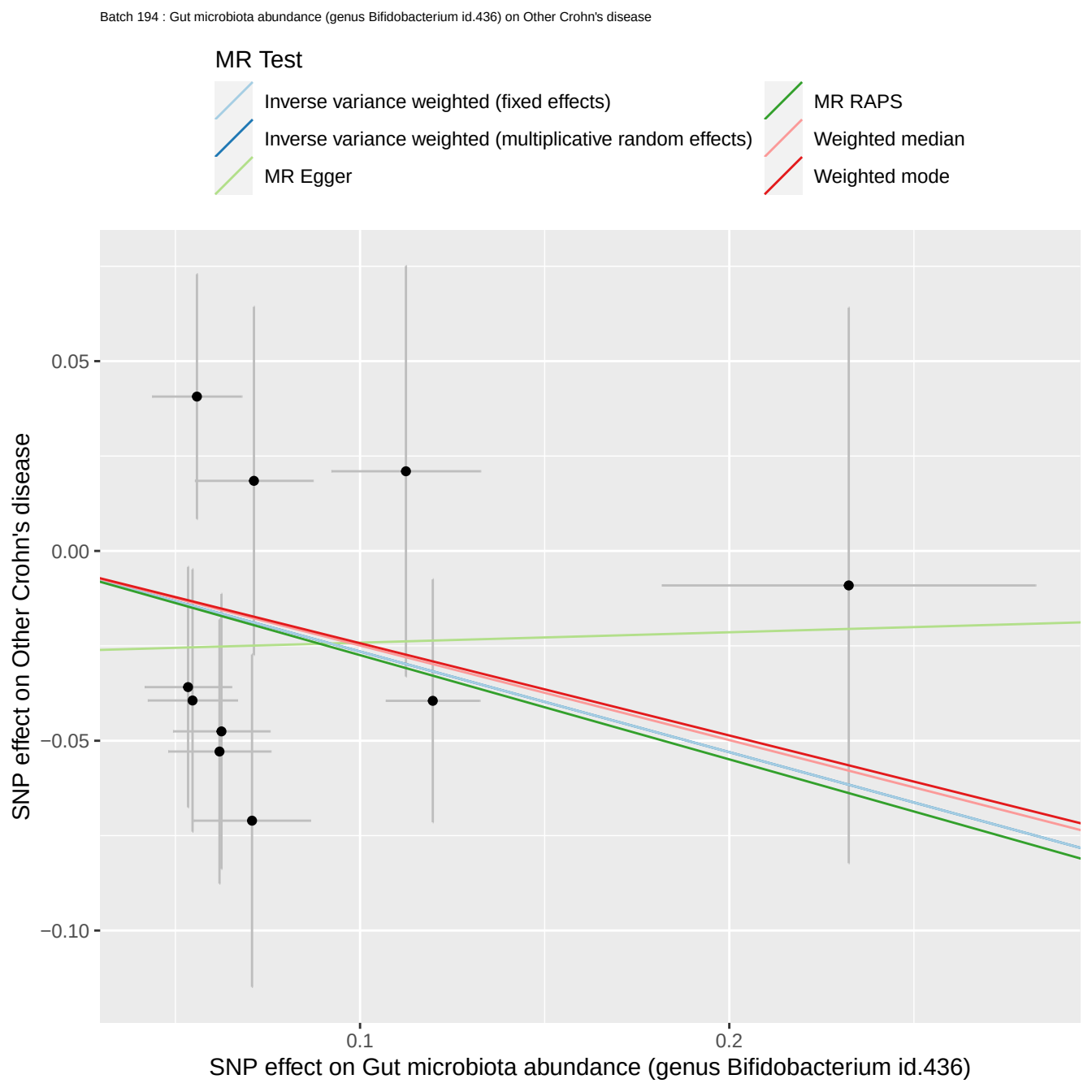

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)

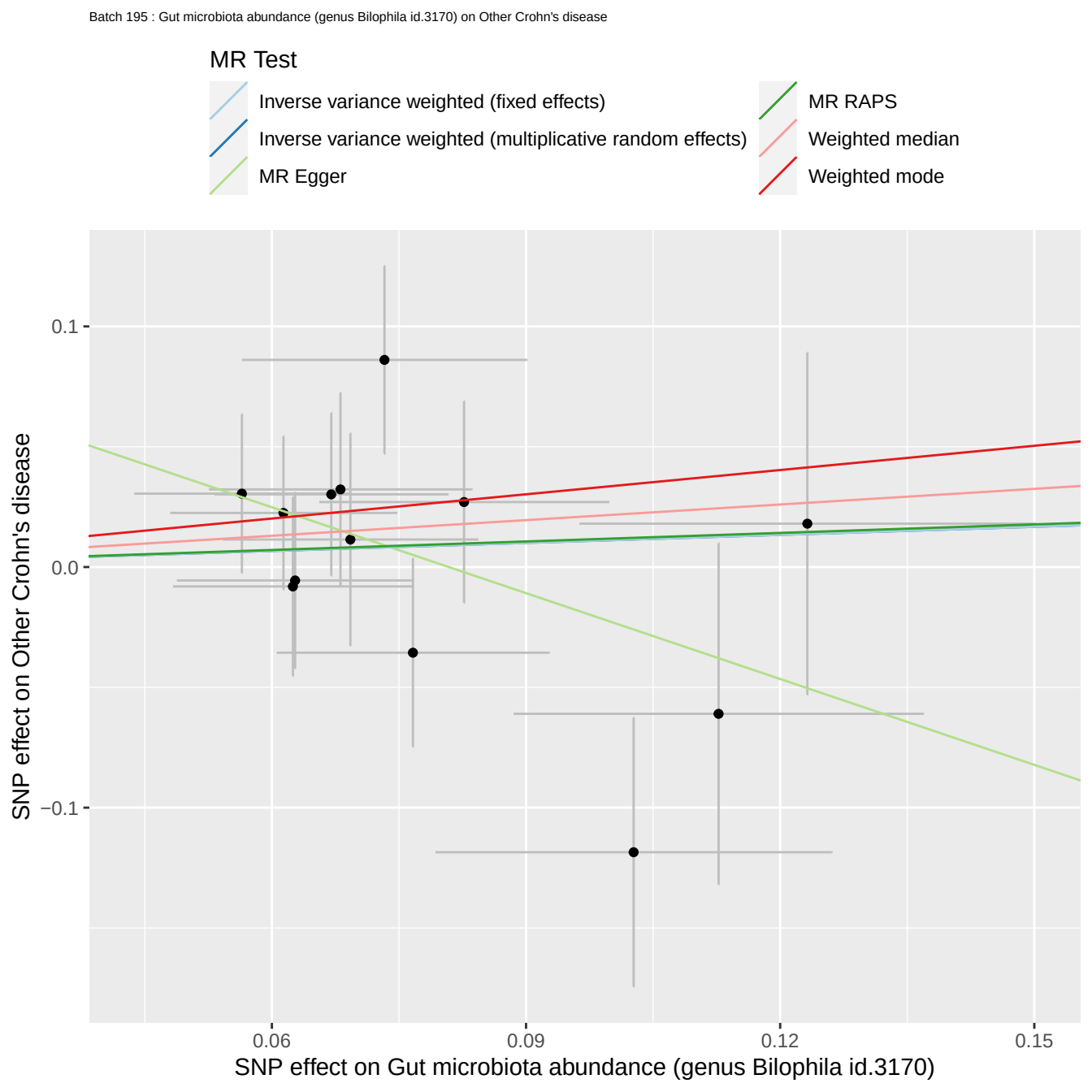
Batch 192 : Gut microbiota abundance (genus Bacteroides id.918) on Other Crohn's disease



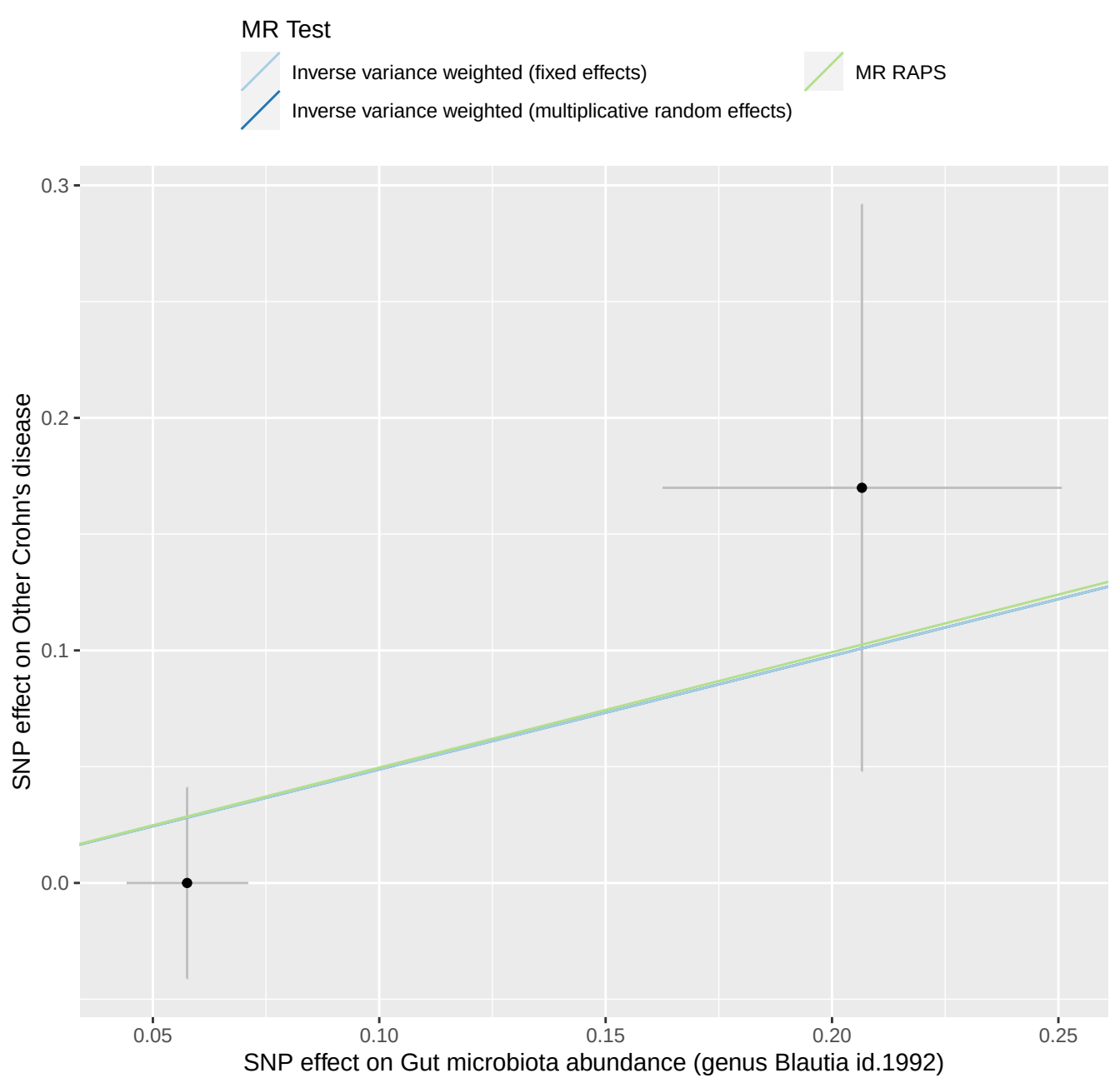

Batch 193 : Gut microbiota abundance (genus Barnesiella id.944) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

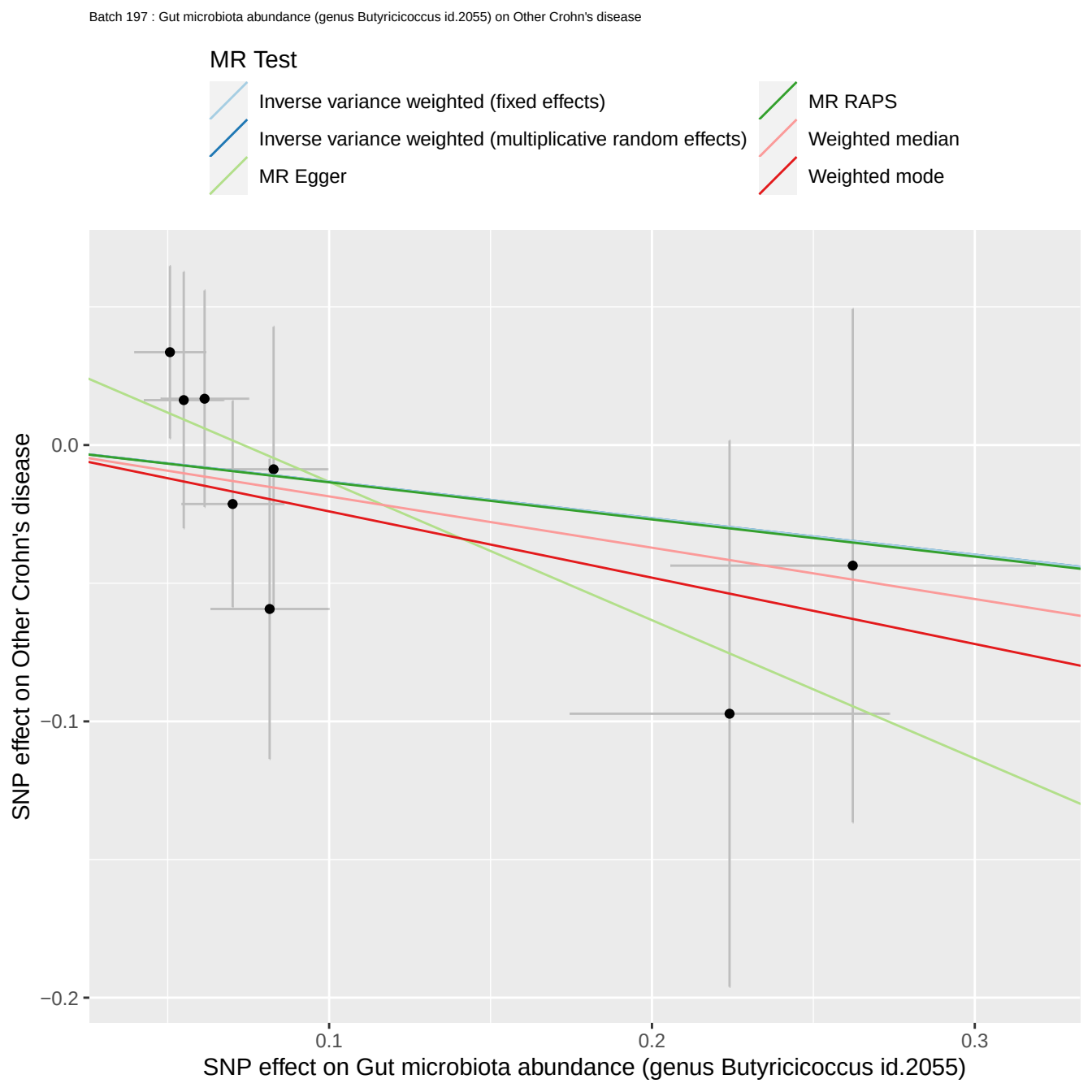
Batch 194 : Gut microbiota abundance (genus Bifidobacterium id.436) on Other Crohn's disease



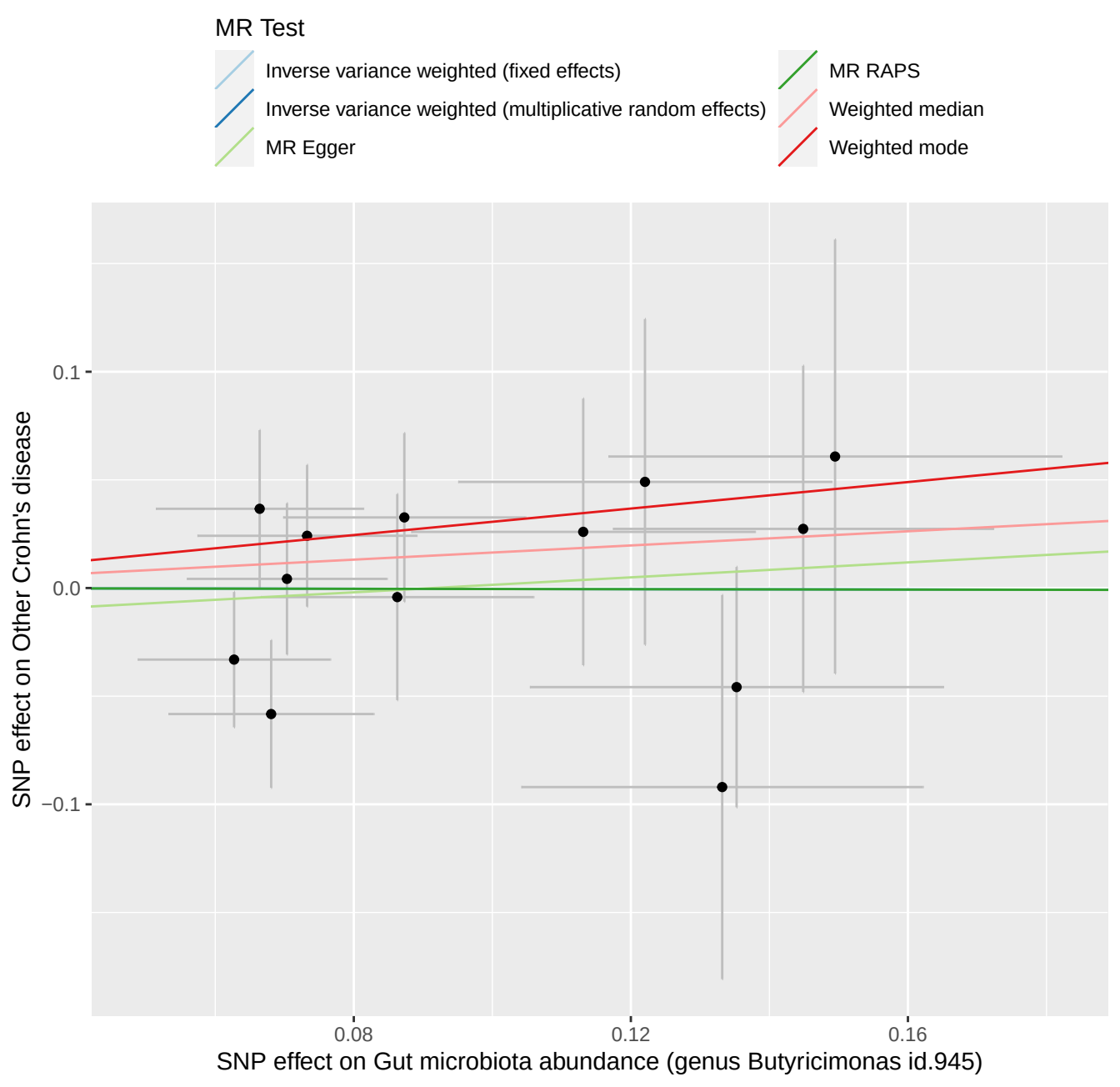

Batch 195 : Gut microbiota abundance (genus Bilophila id.3170) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

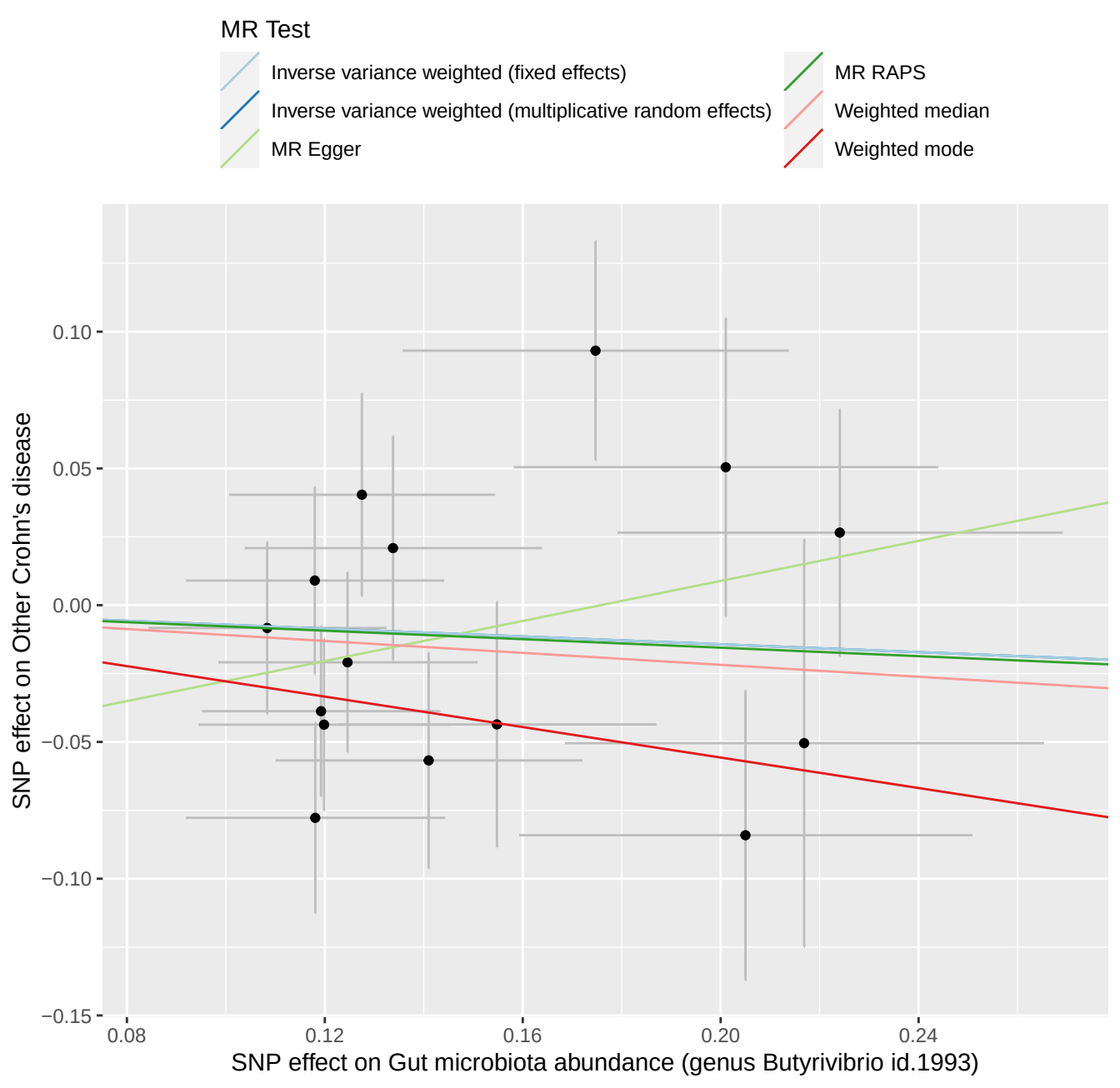
Batch 196 : Gut microbiota abundance (genus Blautia id.1992) on Other Crohn's disease



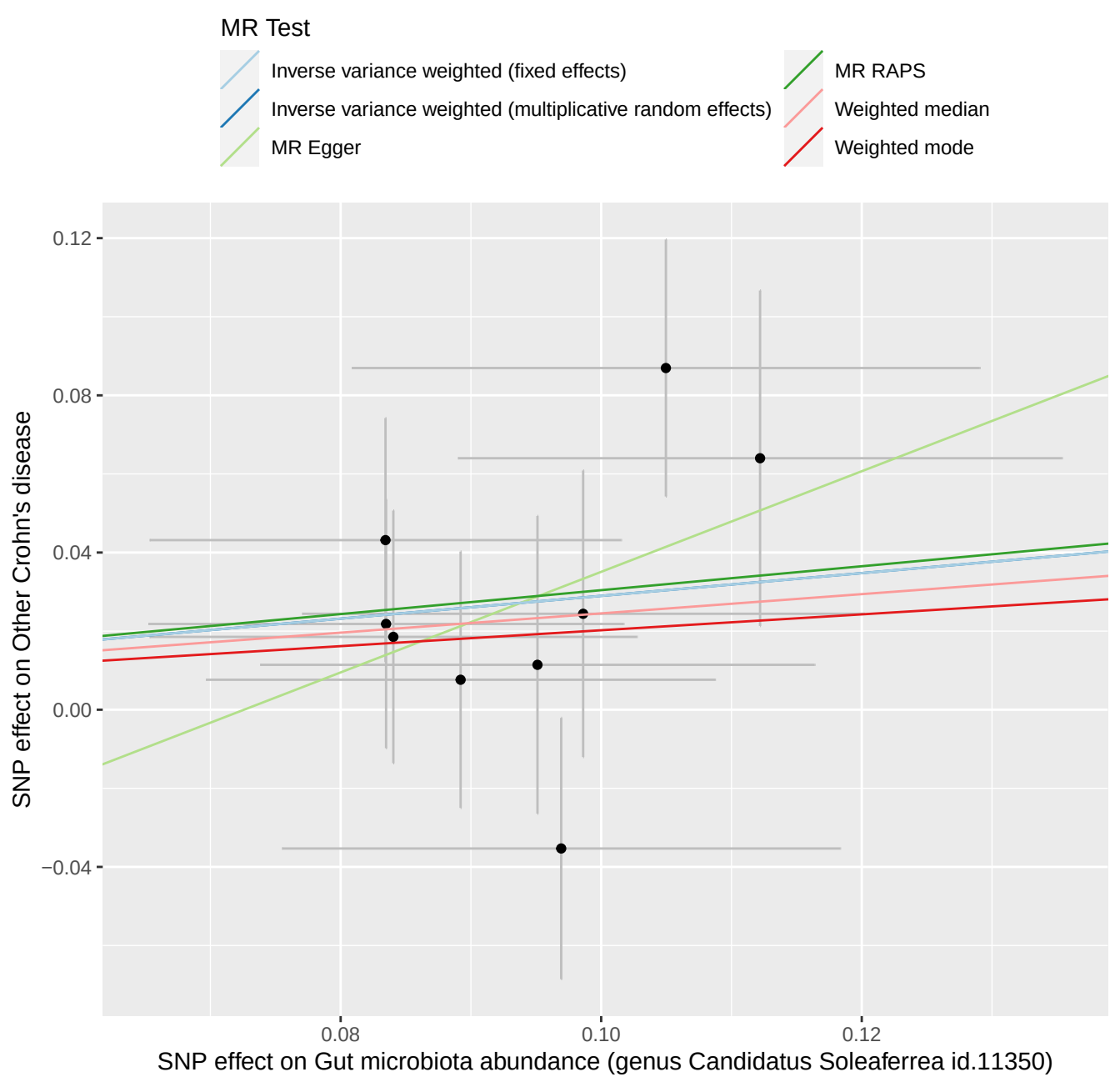

Batch 197 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)

Batch 198 : Gut microbiota abundance (genus Butyricimonas id.945) on Other Crohn's disease

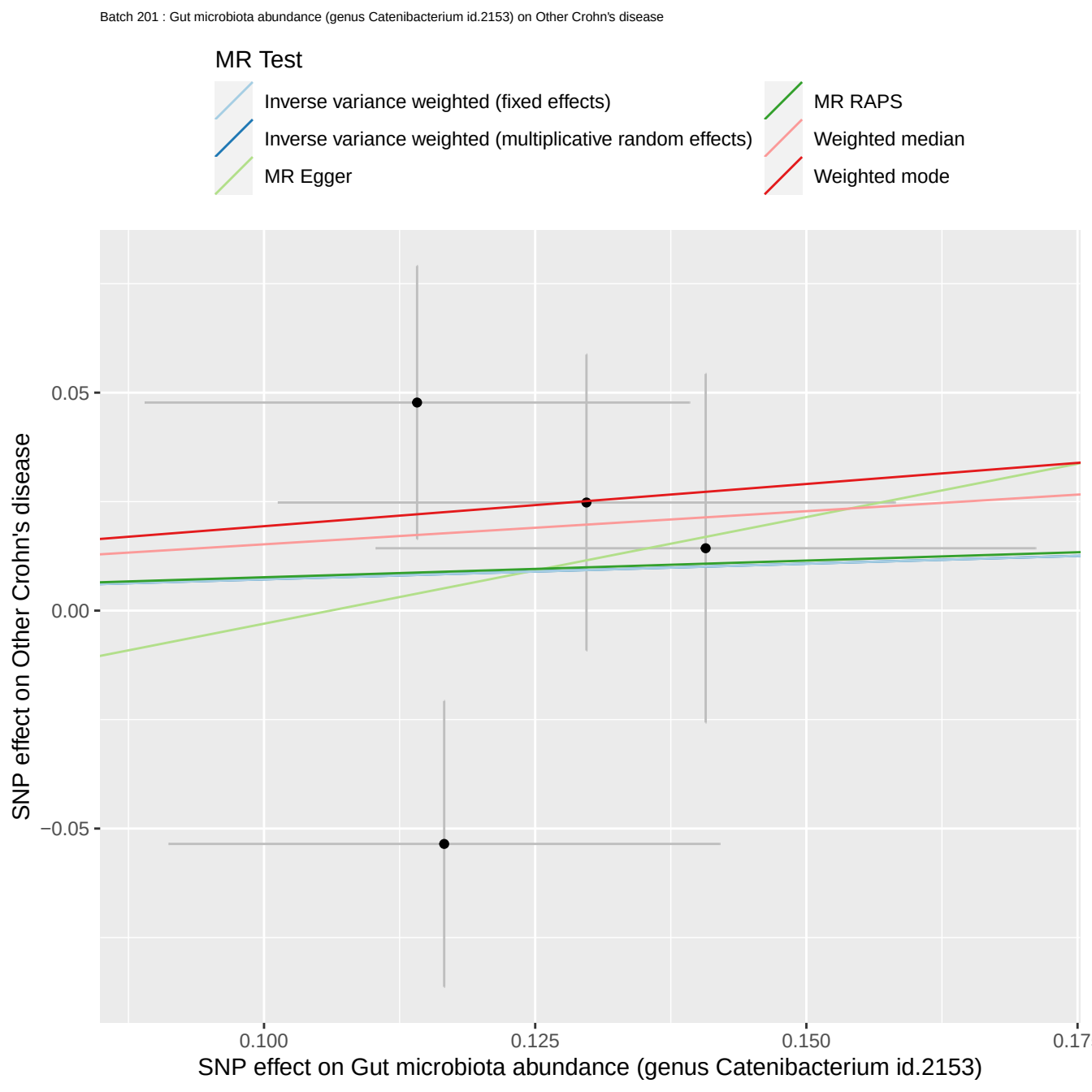



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

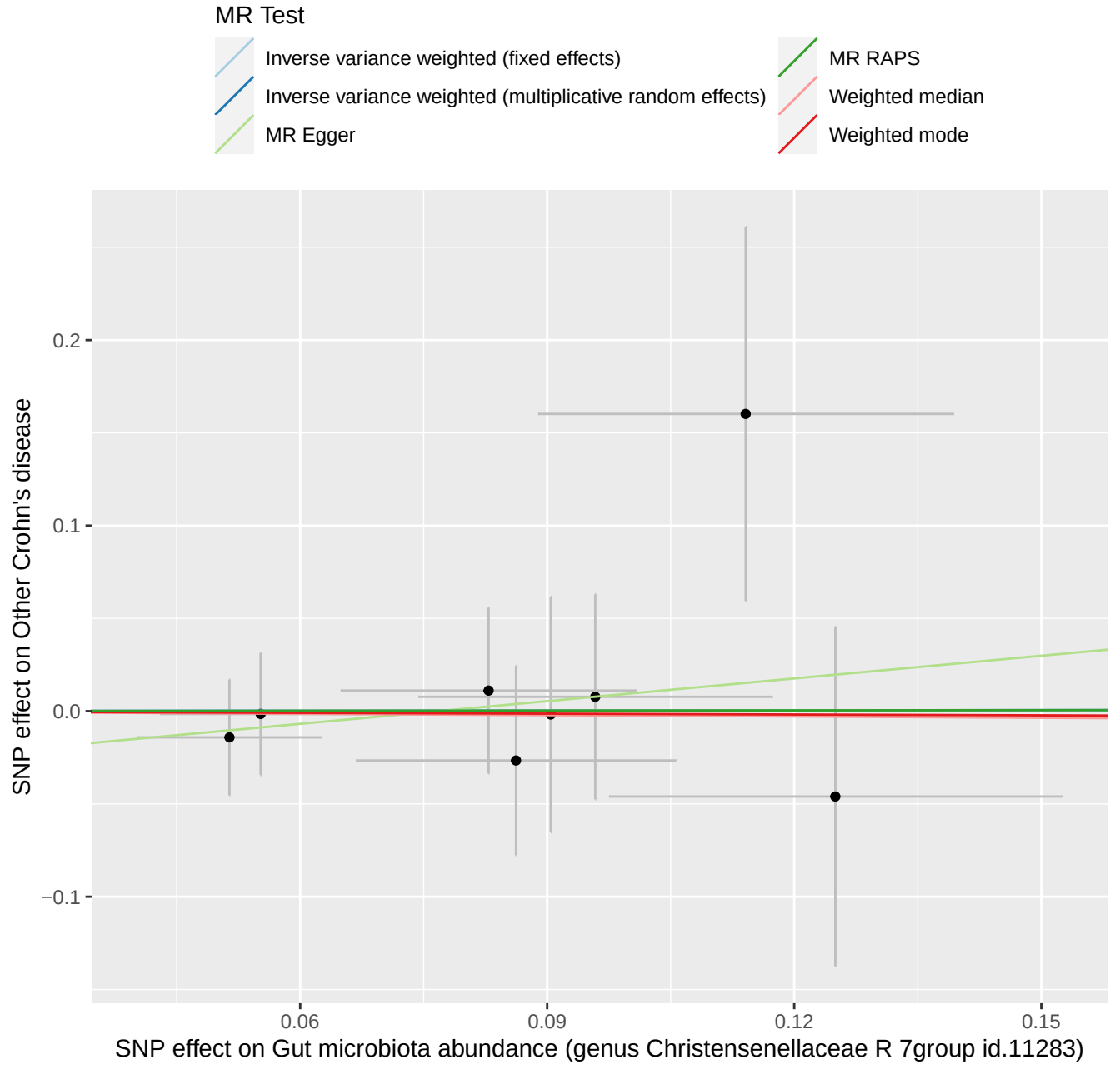
Batch 200 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Other Crohn's disease



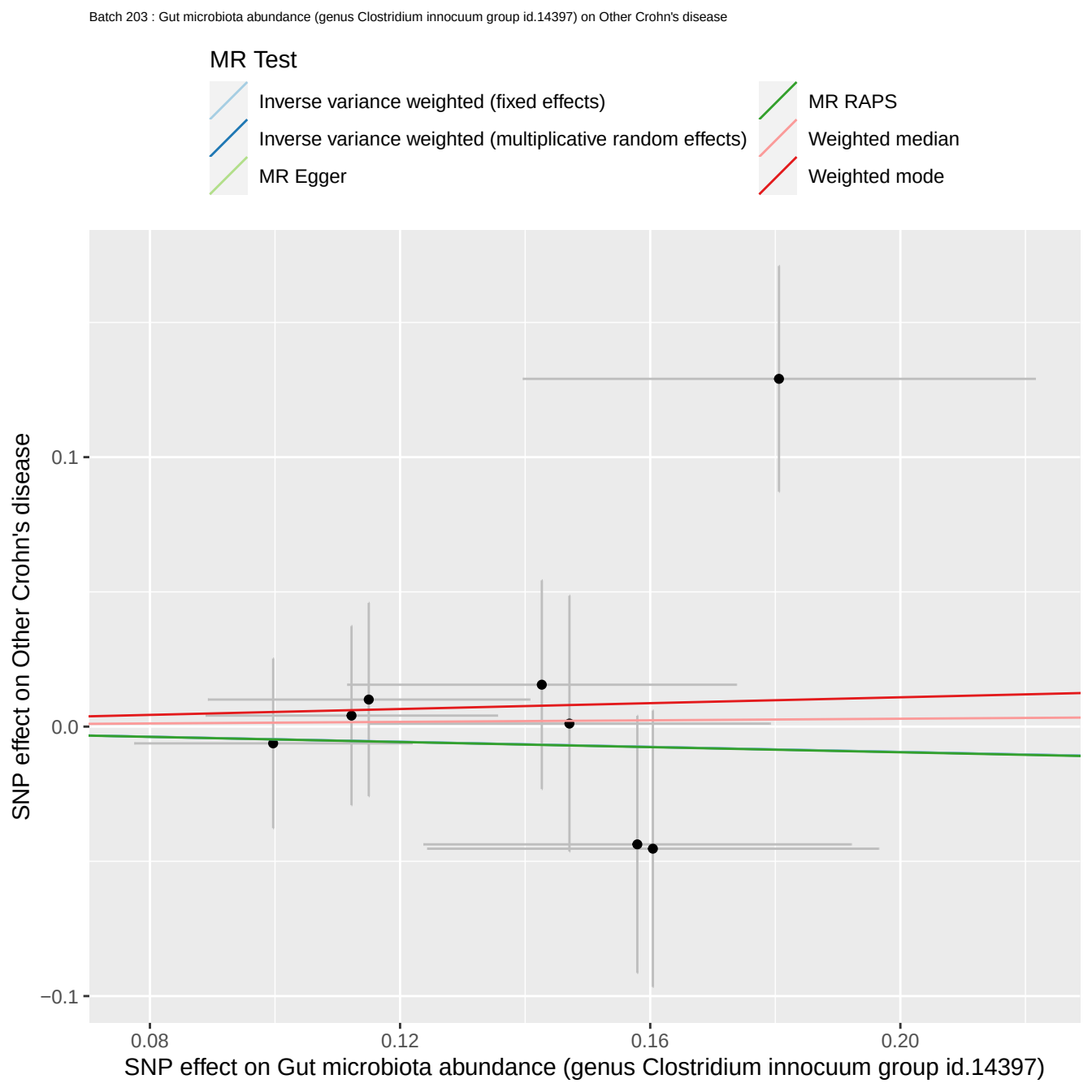
Batch 201 : Gut microbiota abundance (genus Catenibacterium id.2153) on Other Crohn's disease



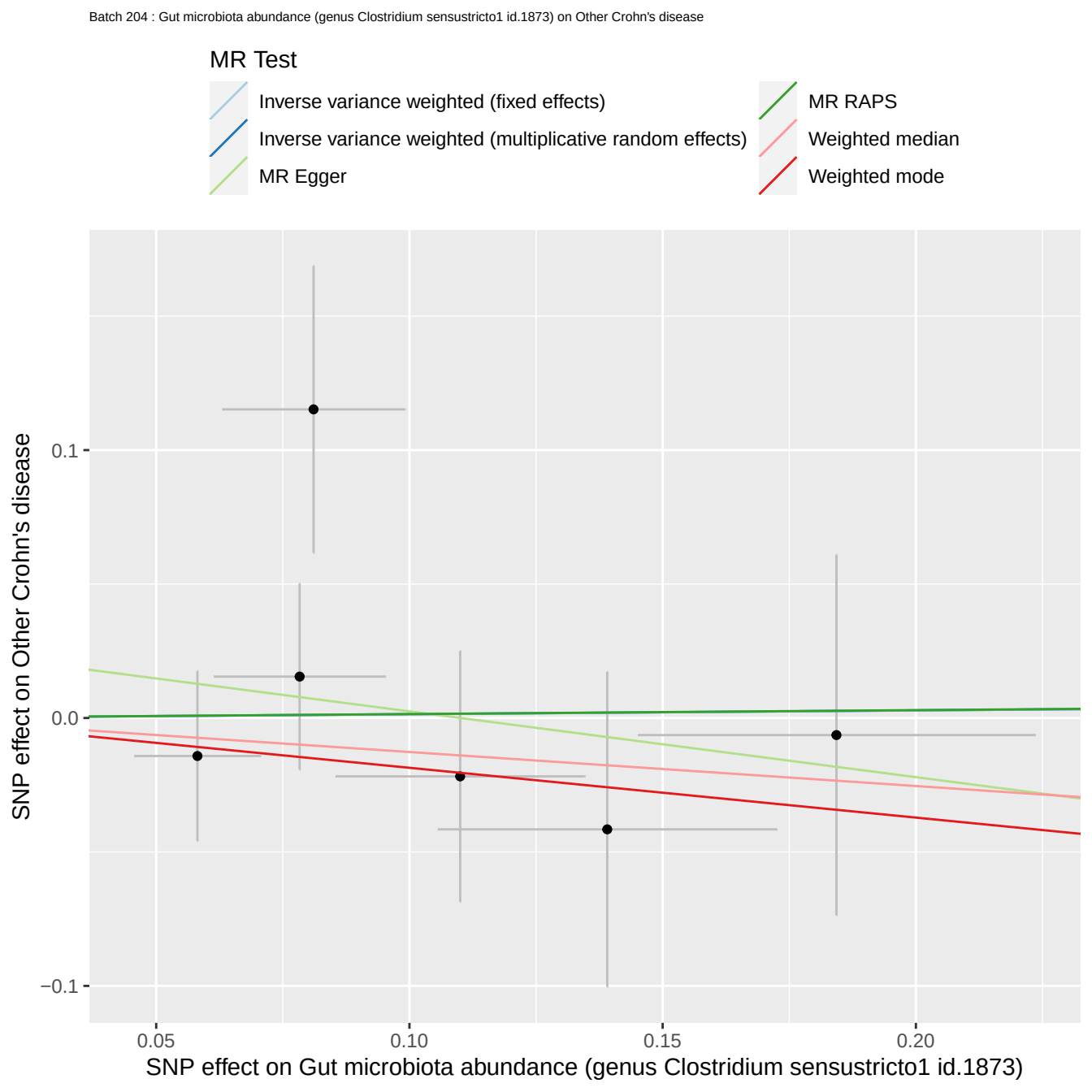
Batch 202 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Other Crohn's disease

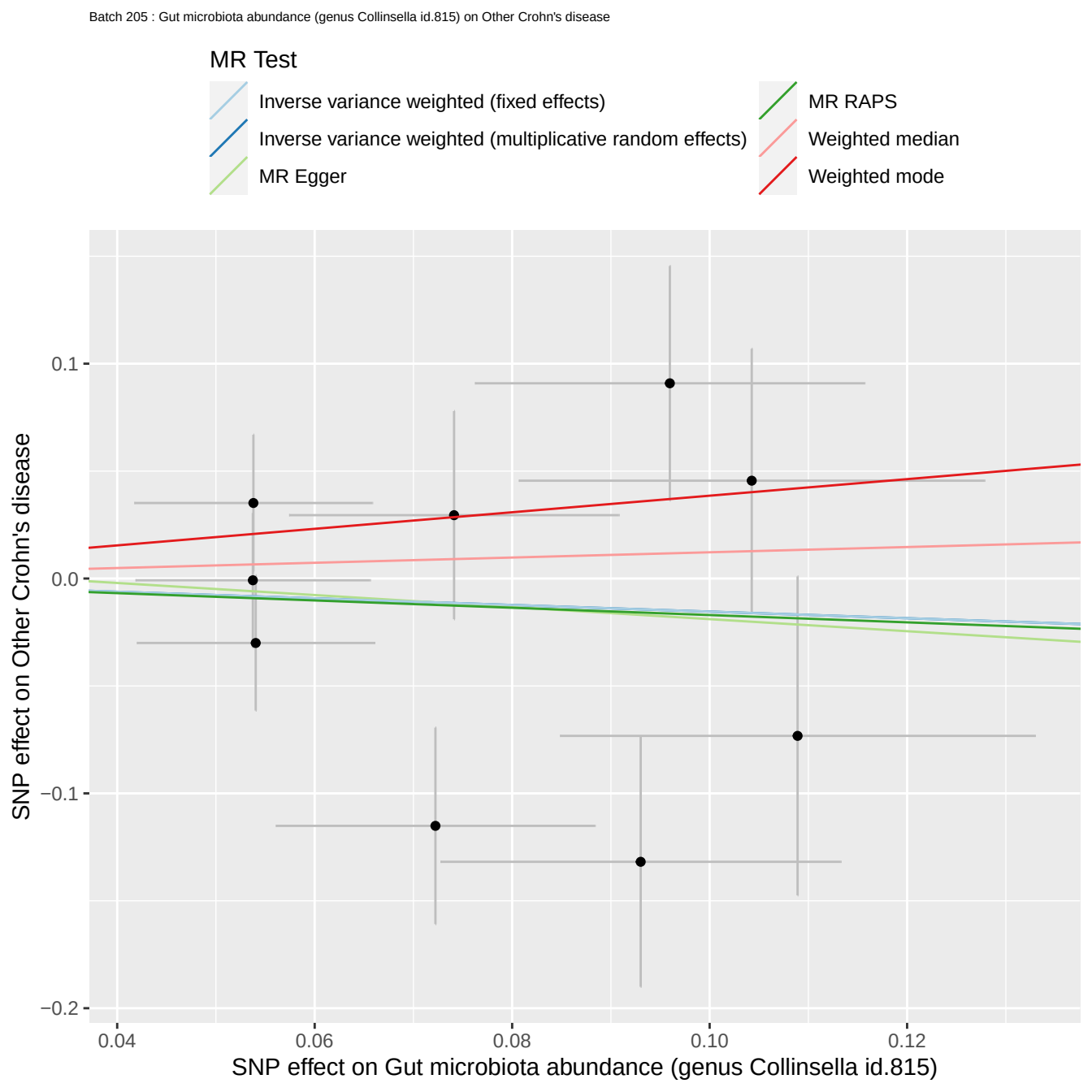


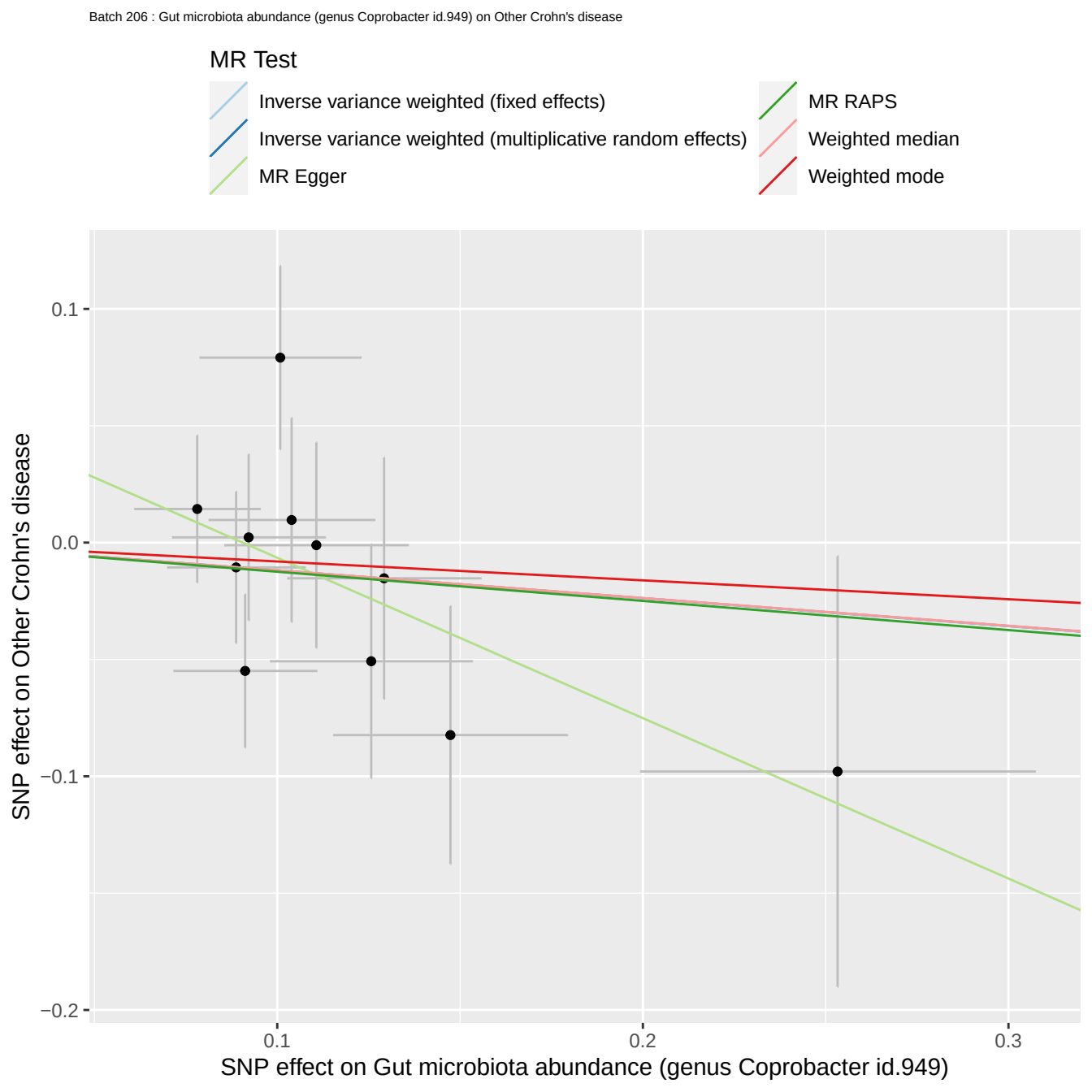
Batch 203 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Other Crohn's disease



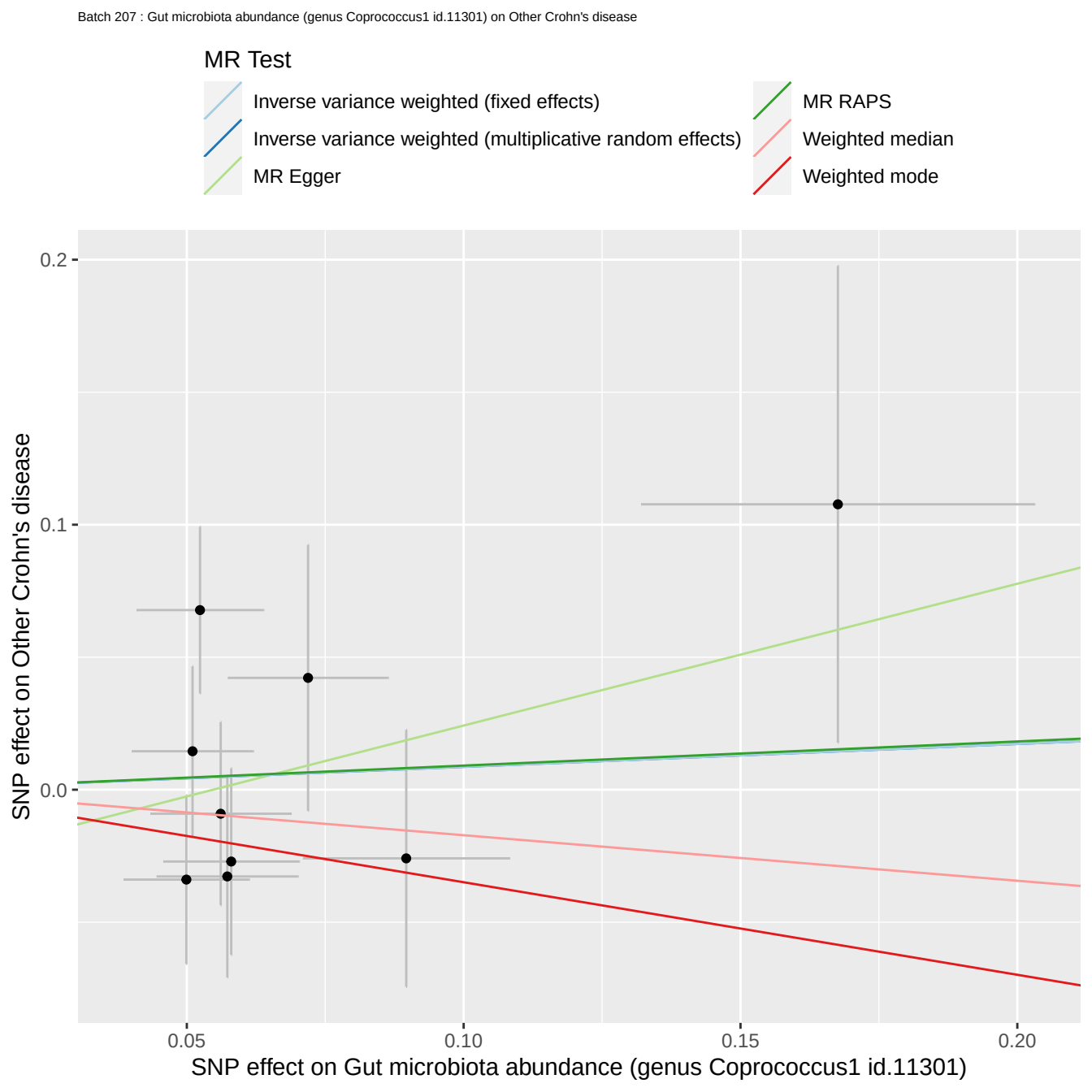
Batch 204 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Other Crohn's disease

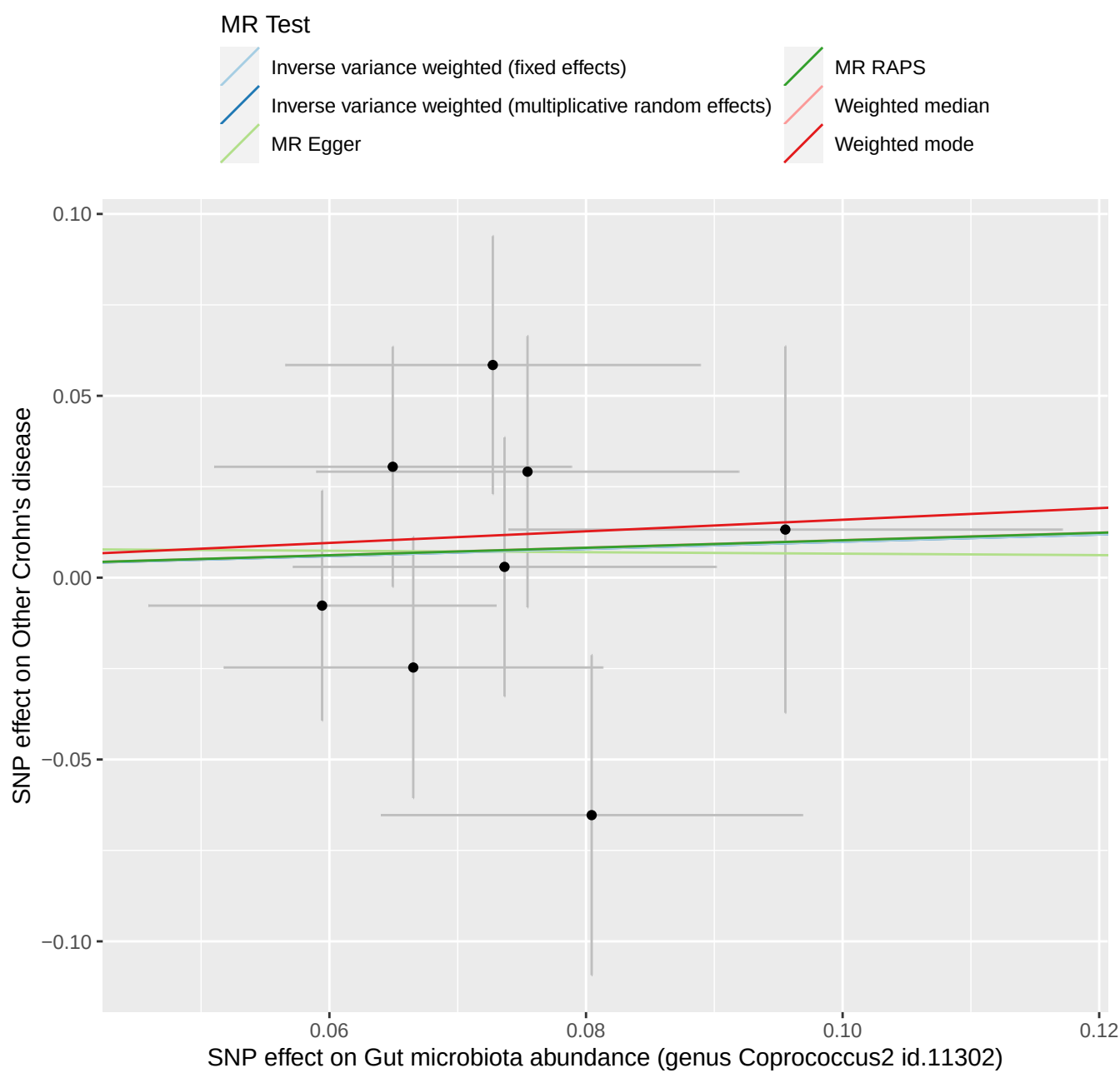


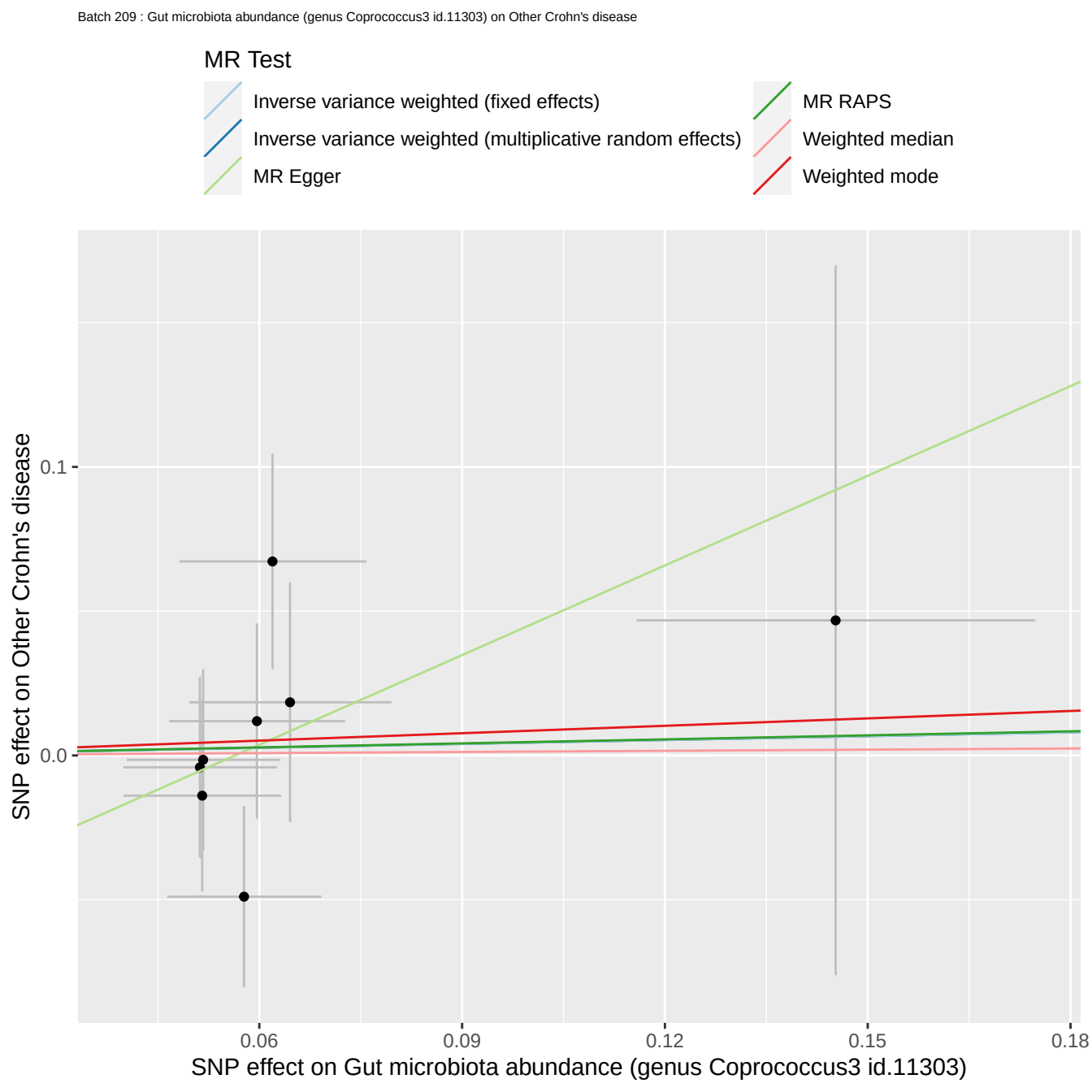

Batch 205 : Gut microbiota abundance (genus Collinsella id.815) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

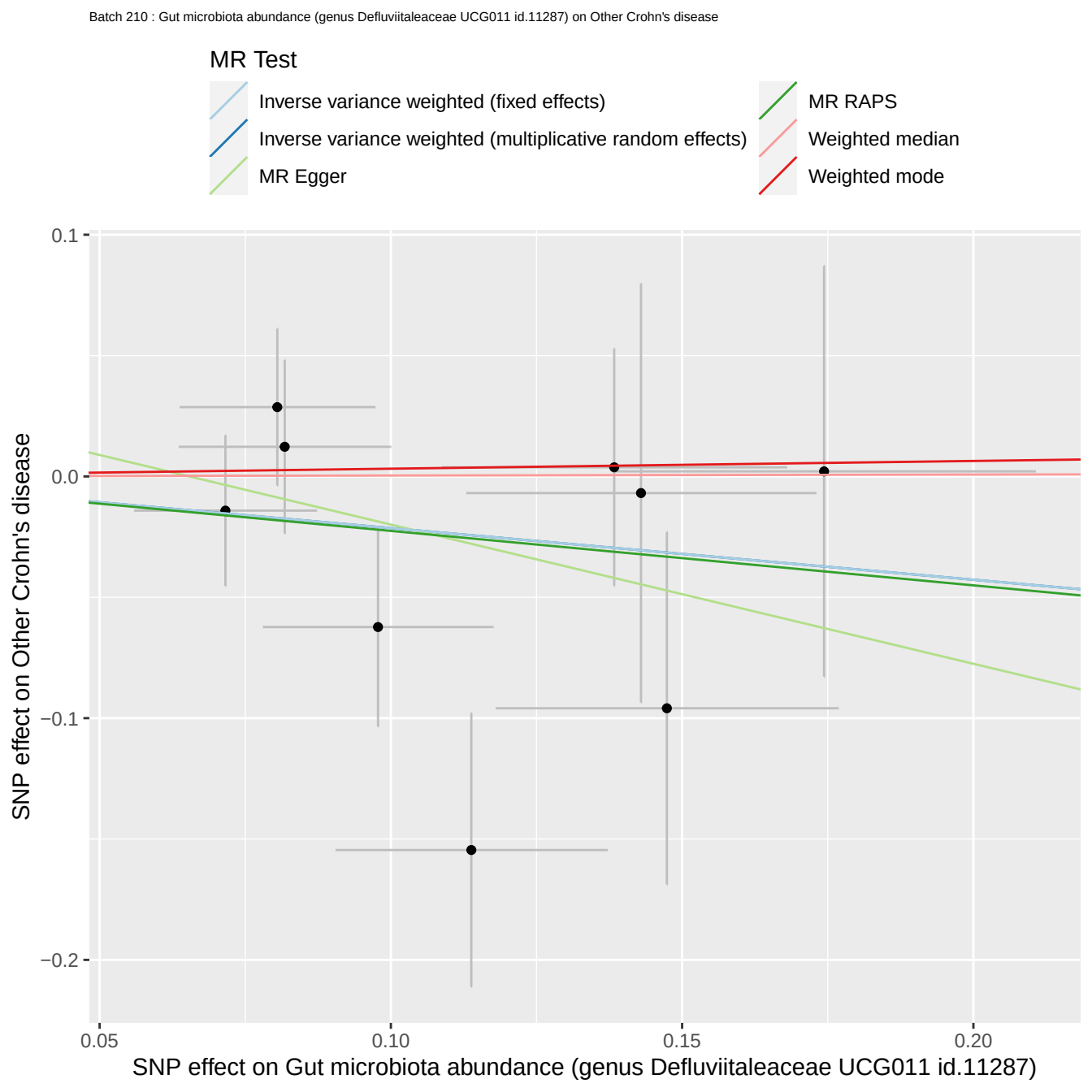

Batch 206 : Gut microbiota abundance (genus Coprobacter id.949) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

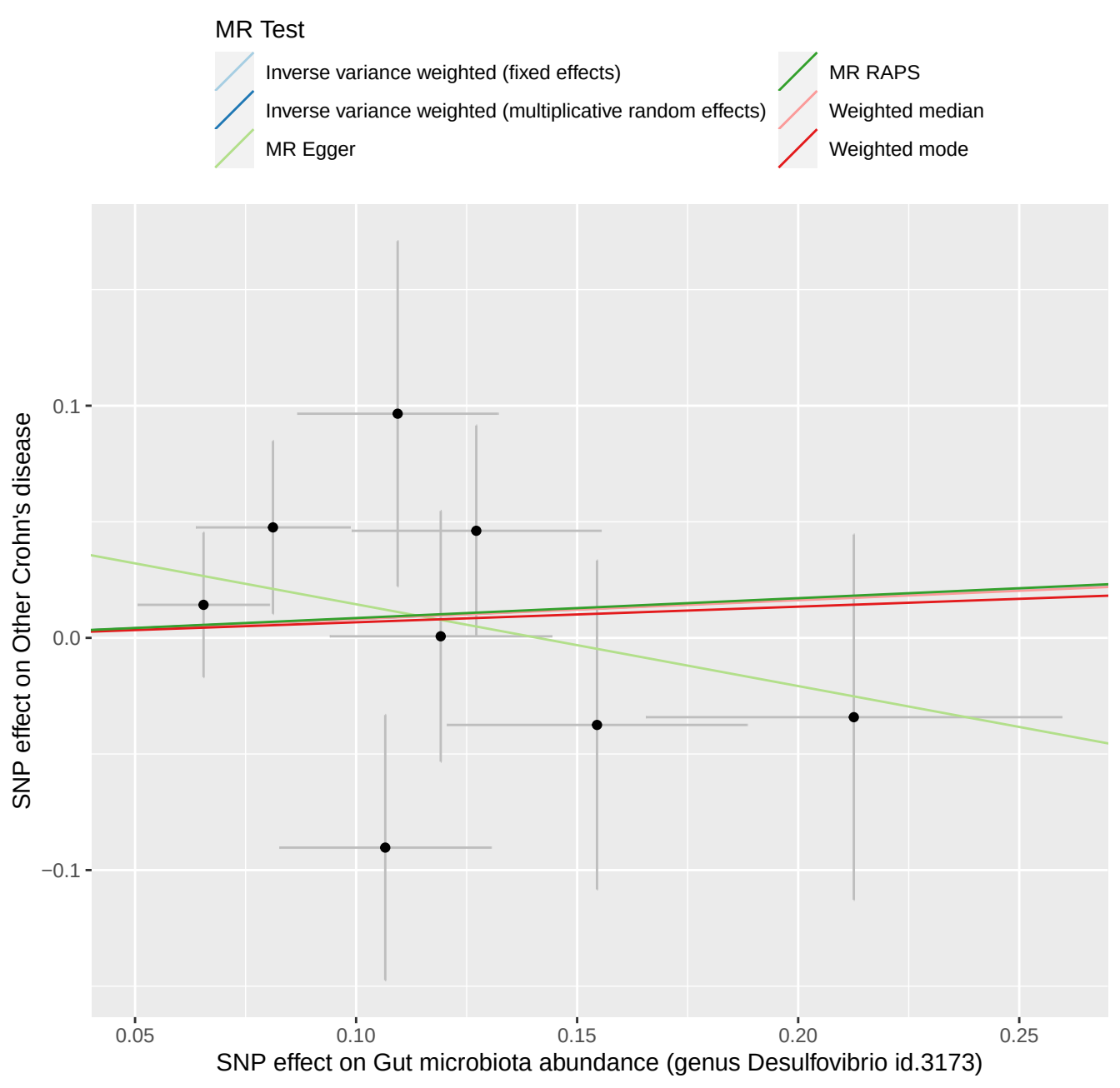
Batch 207 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Other Crohn's disease

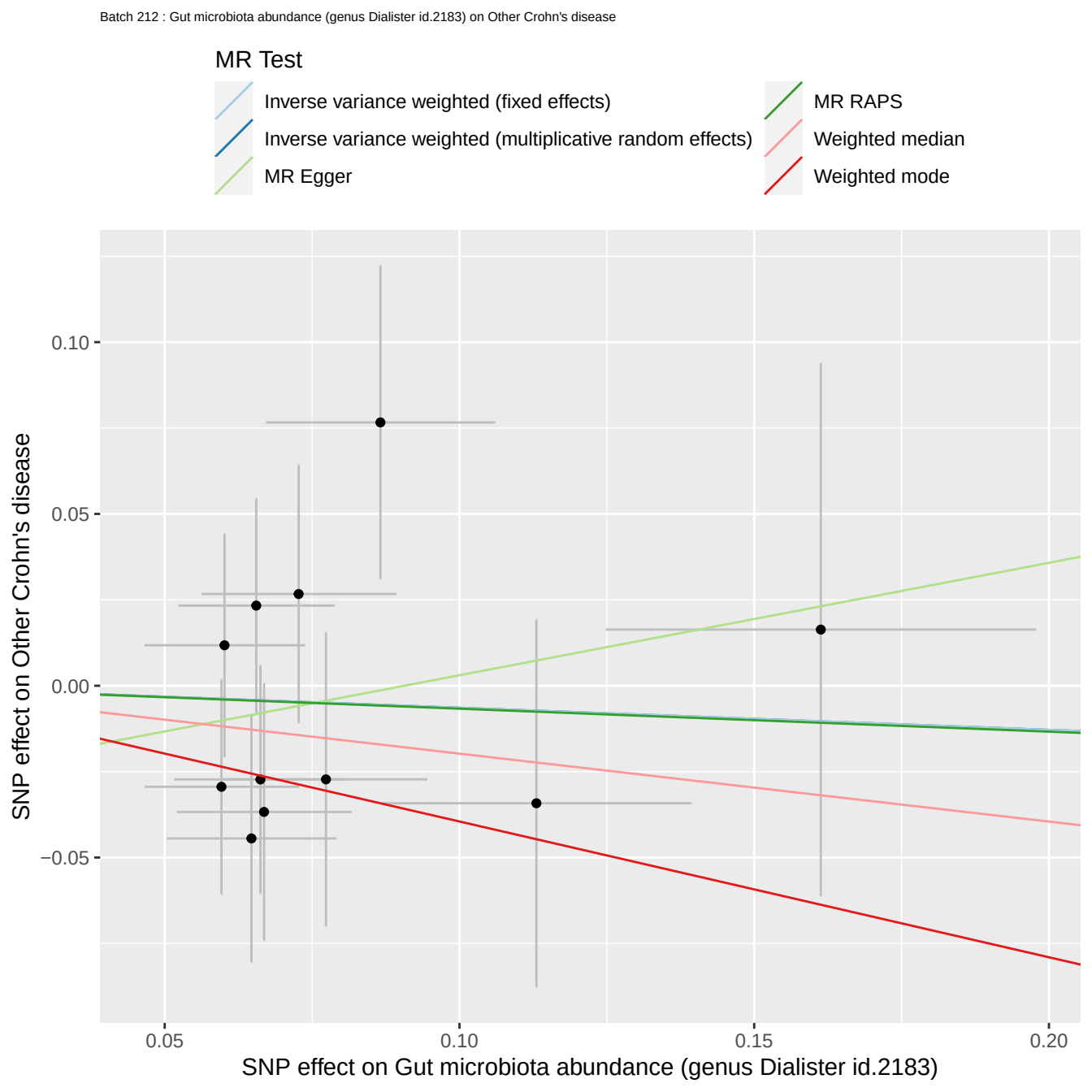


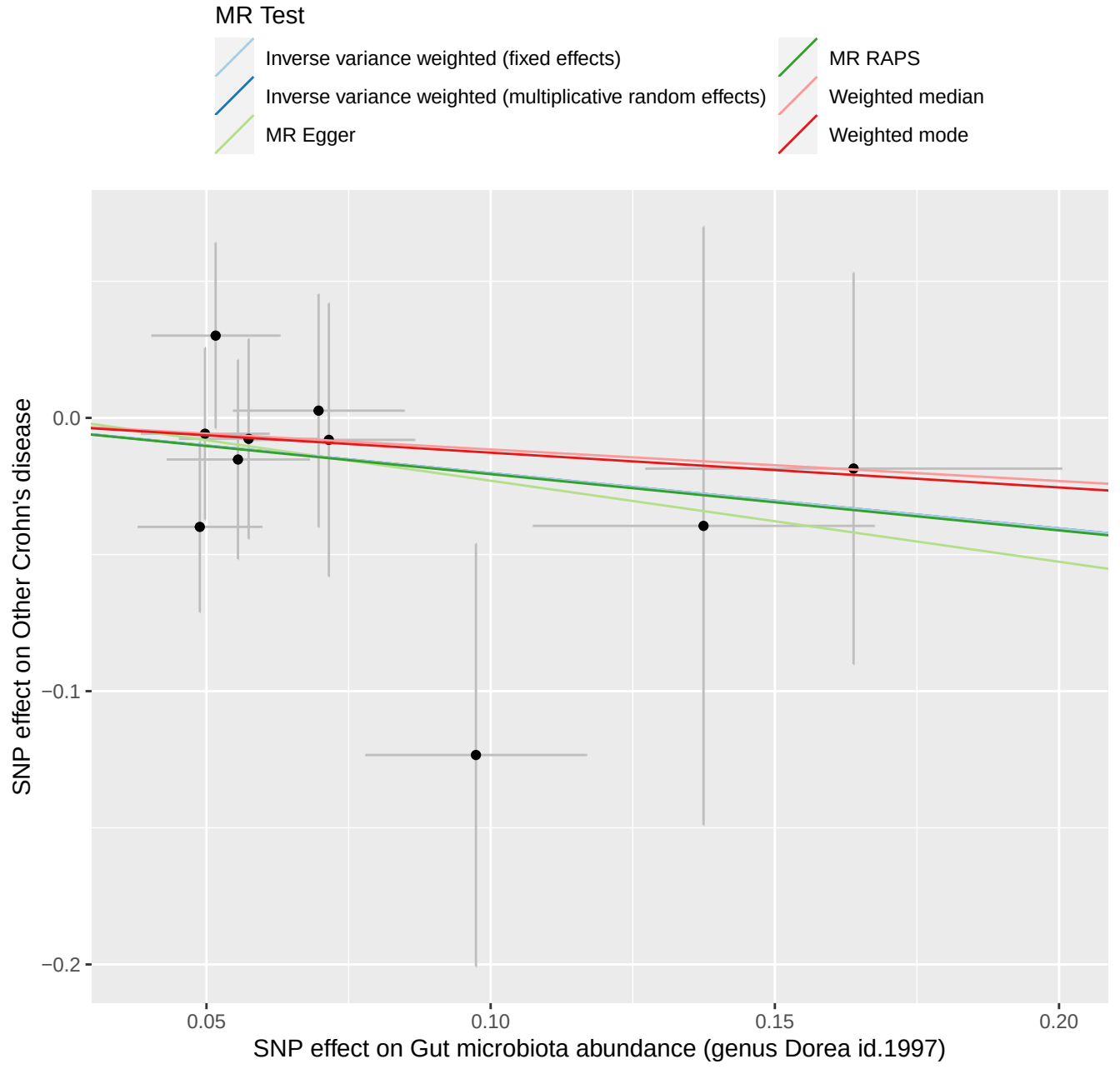

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

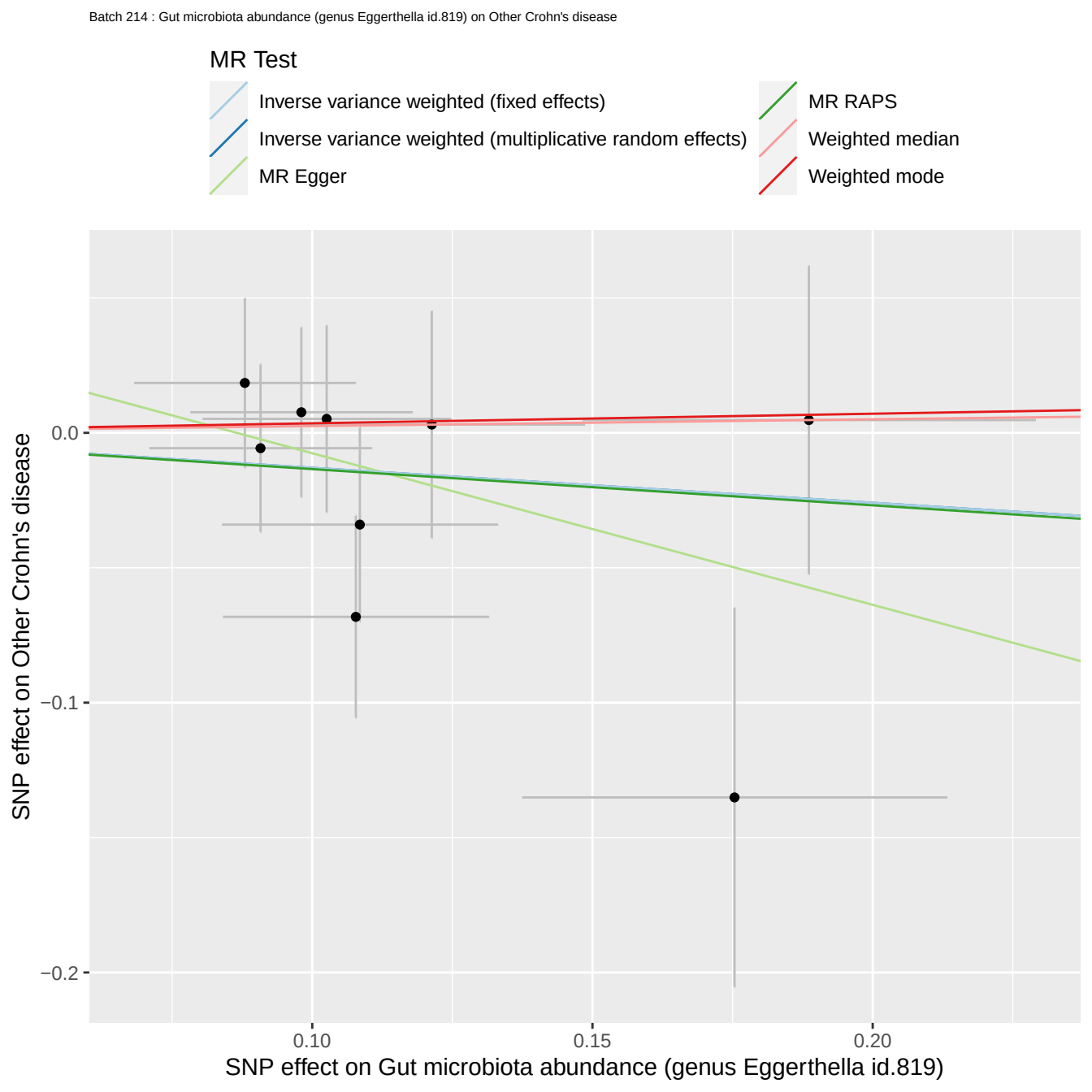

Batch 209 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)


Batch 210 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

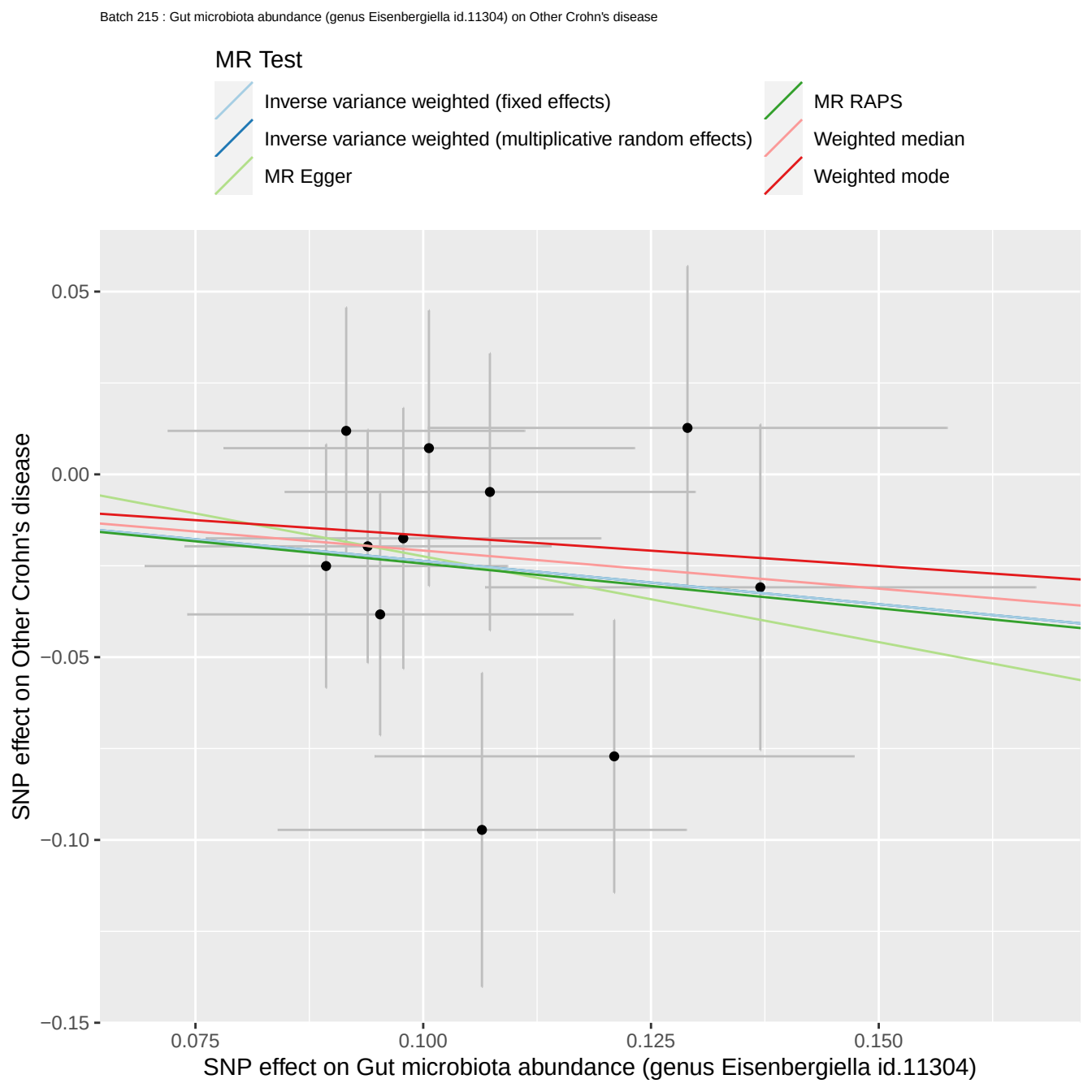

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)


Batch 212 : Gut microbiota abundance (genus Dialister id.2183) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)

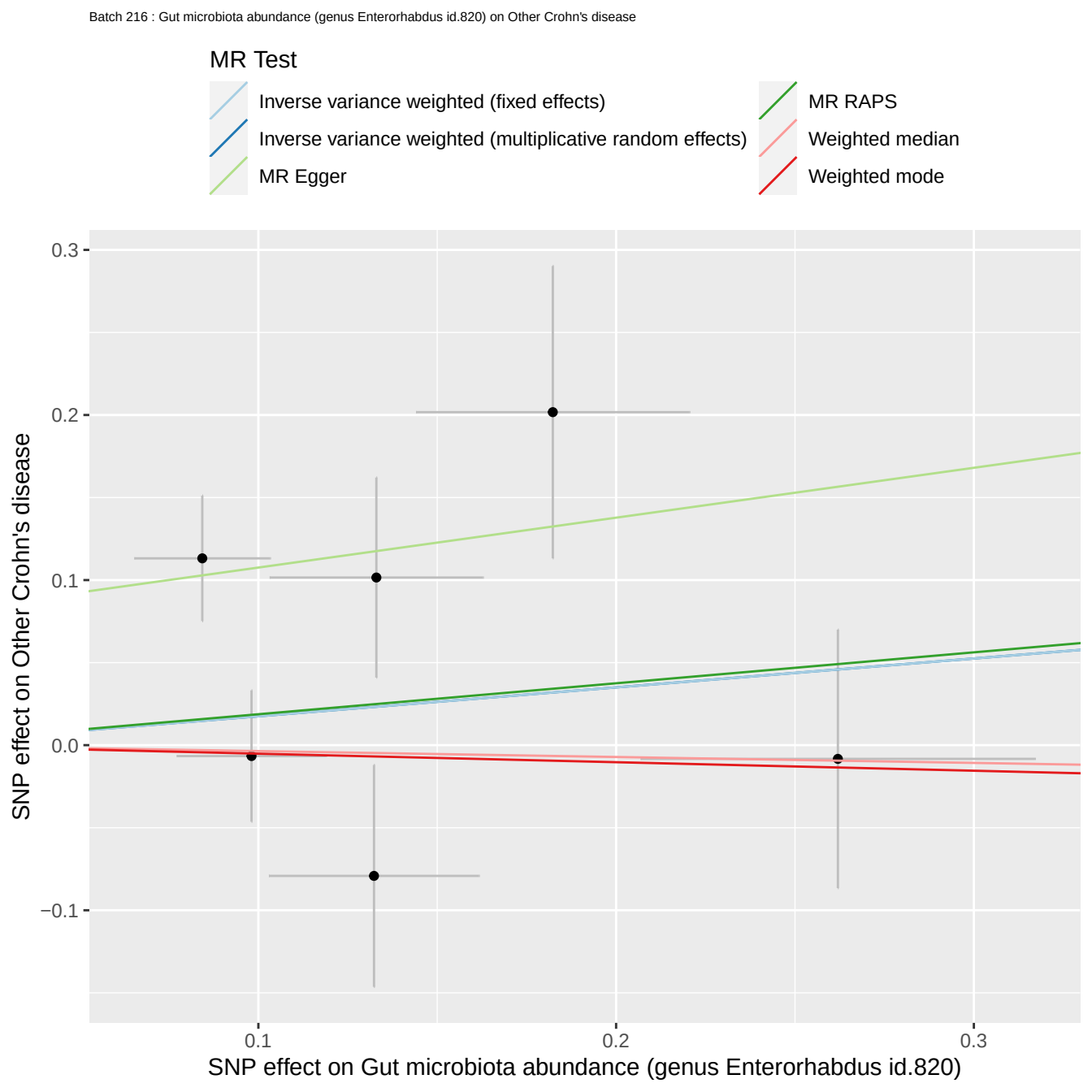

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)

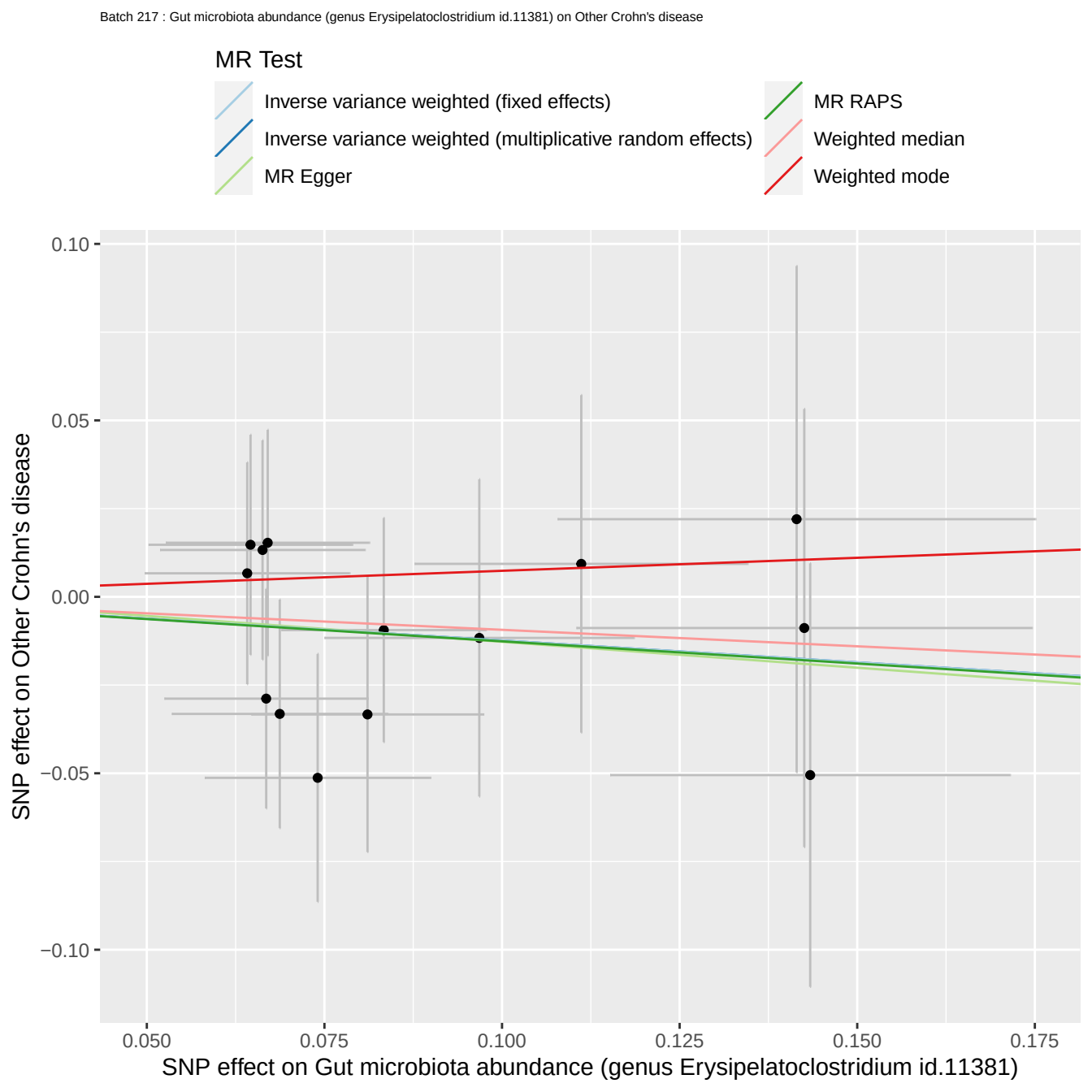

Batch 214 : Gut microbiota abundance (genus Eggerthella id.819) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

Batch 215 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Other Crohn's disease

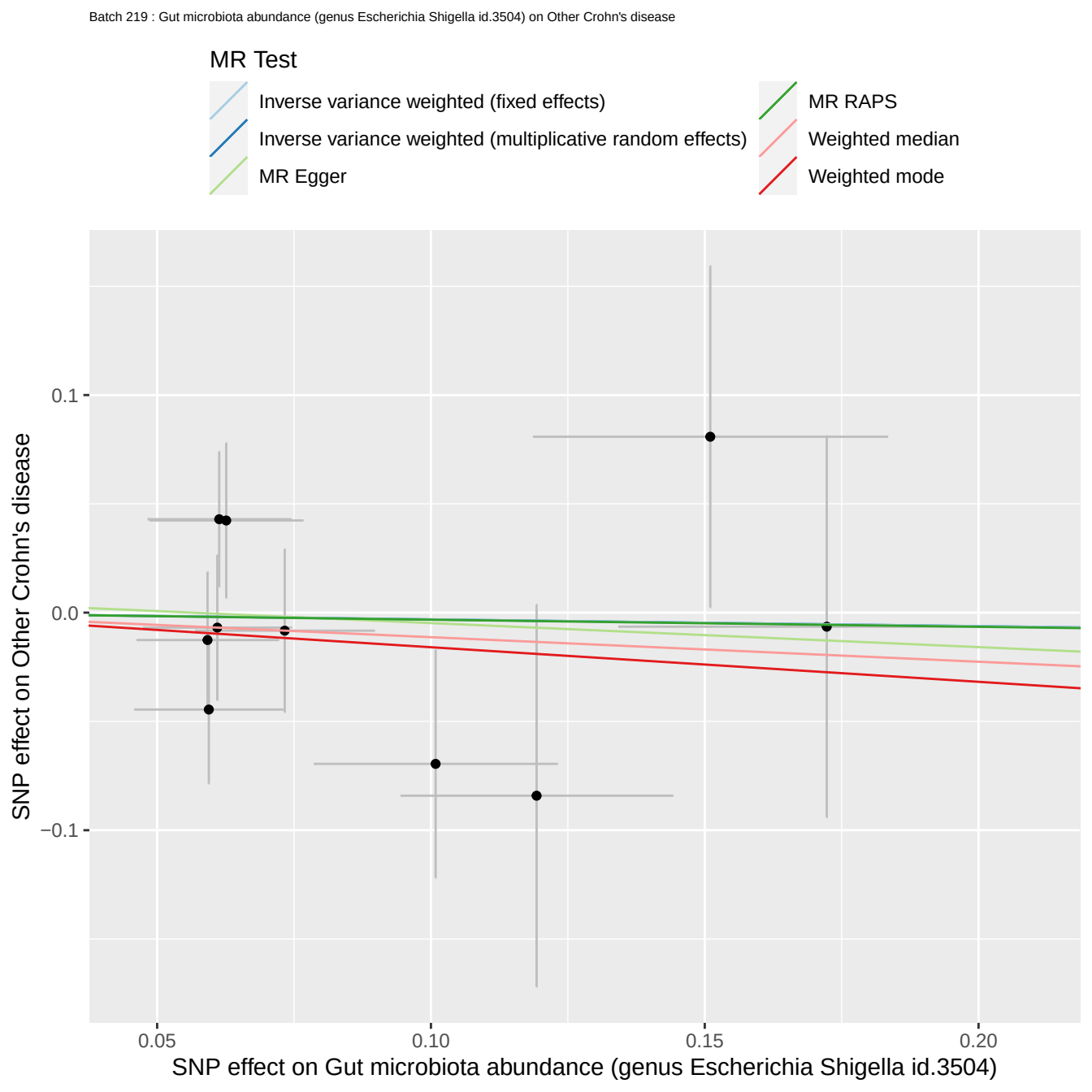


Batch 216 : Gut microbiota abundance (genus Enterorhabdus id.820) on Other Crohn's disease

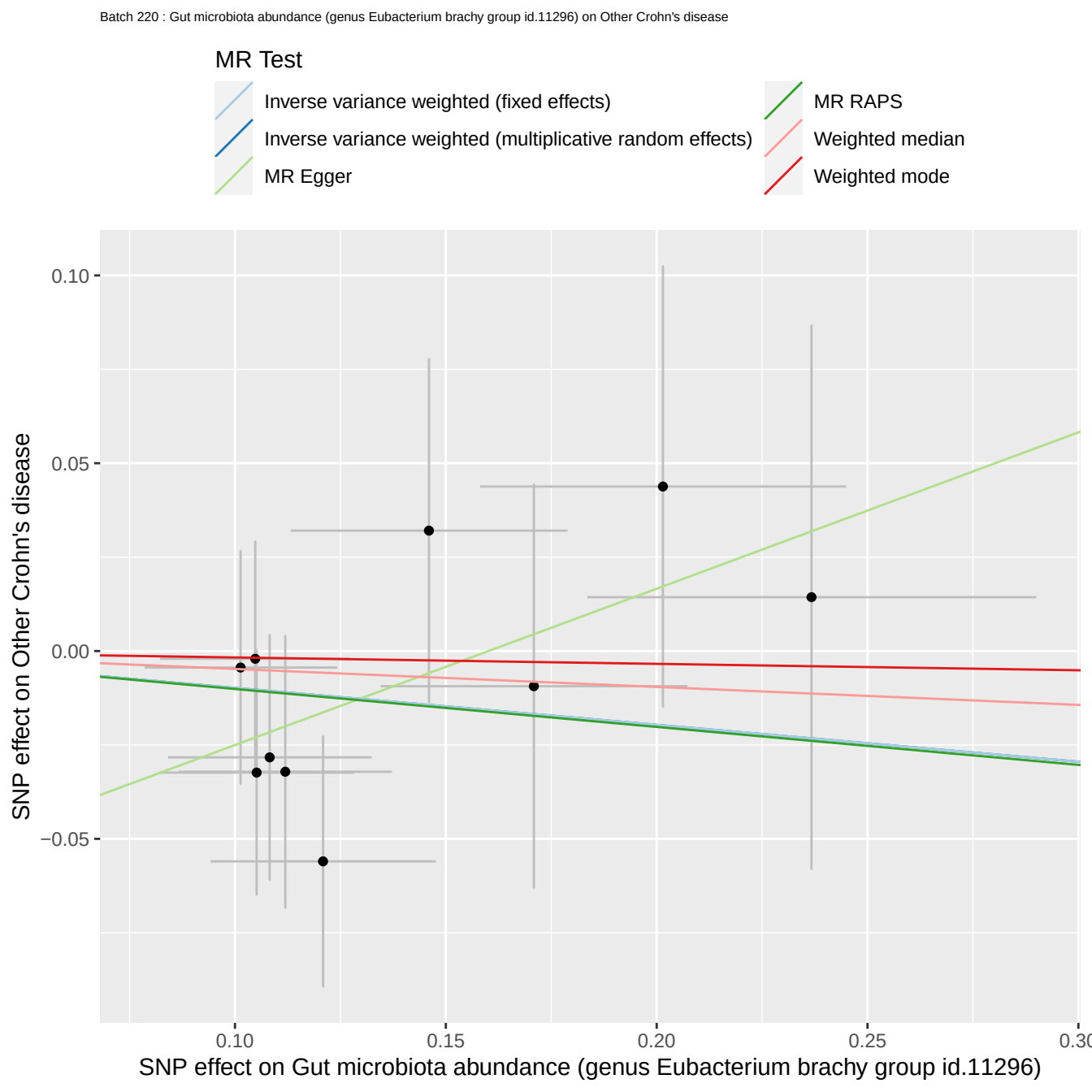



Batch 217 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

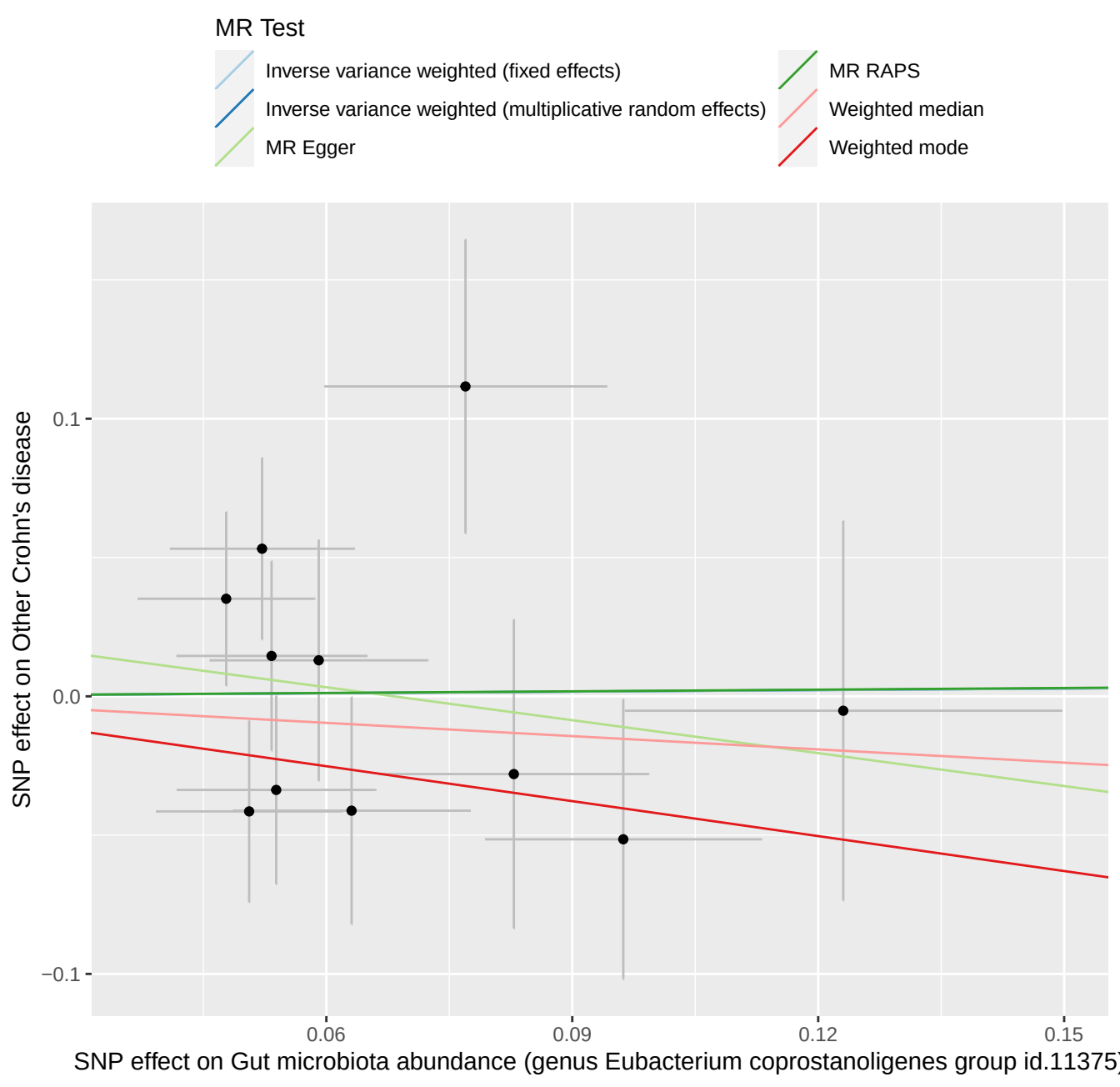
Insufficient number of SNPs


Batch 219 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

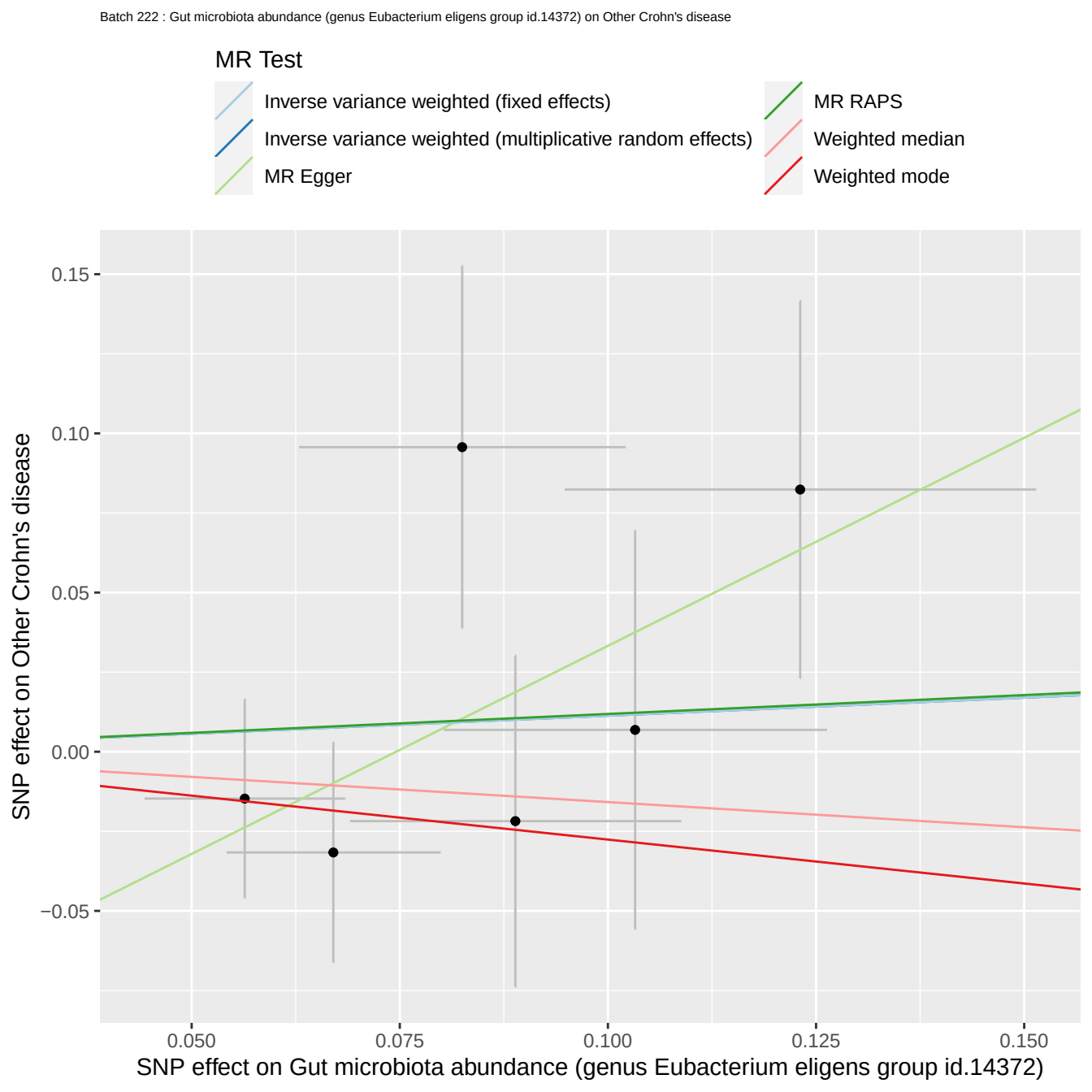
Batch 220 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Other Crohn's disease



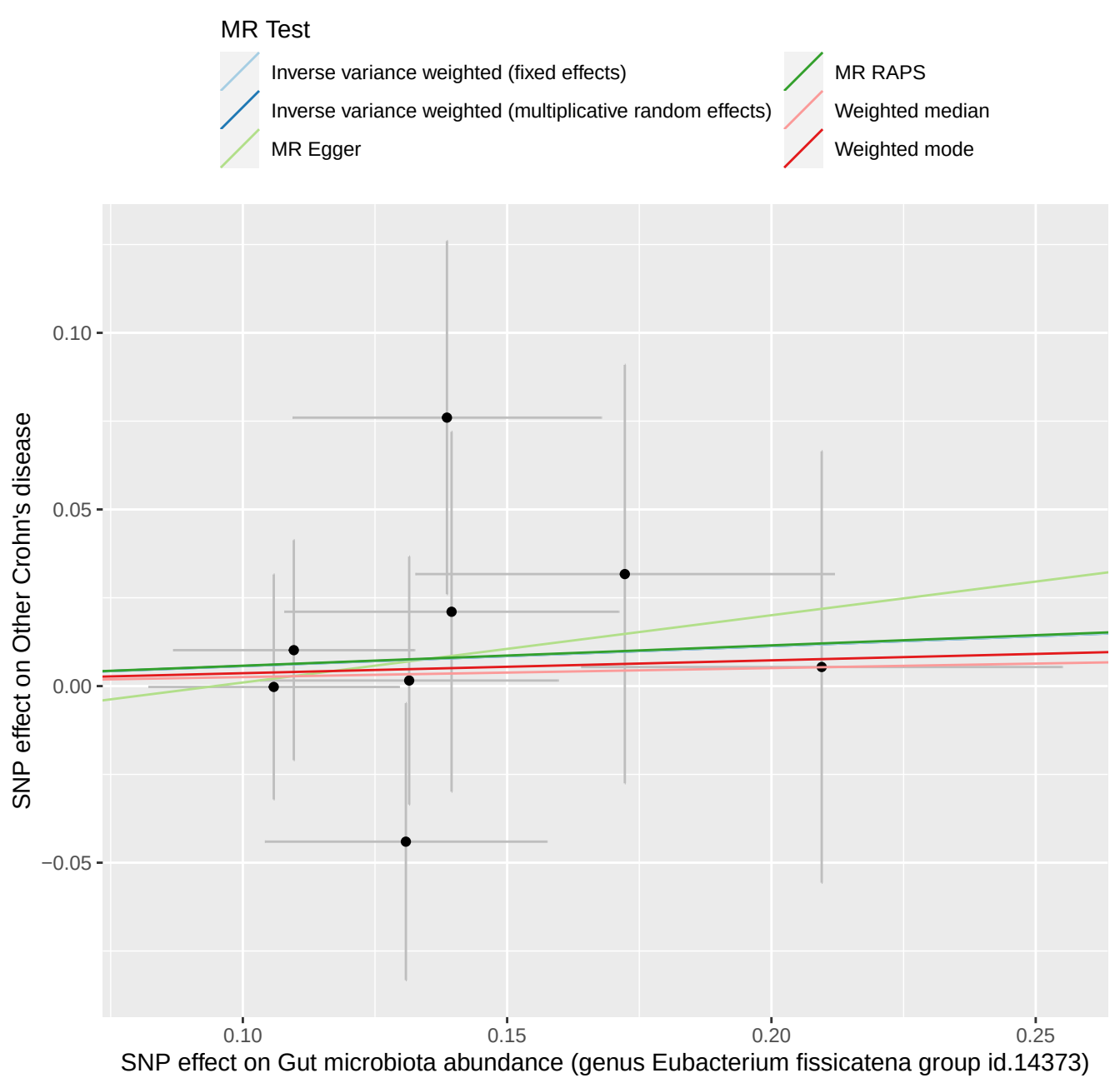
Batch 221 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Other Crohn's disease



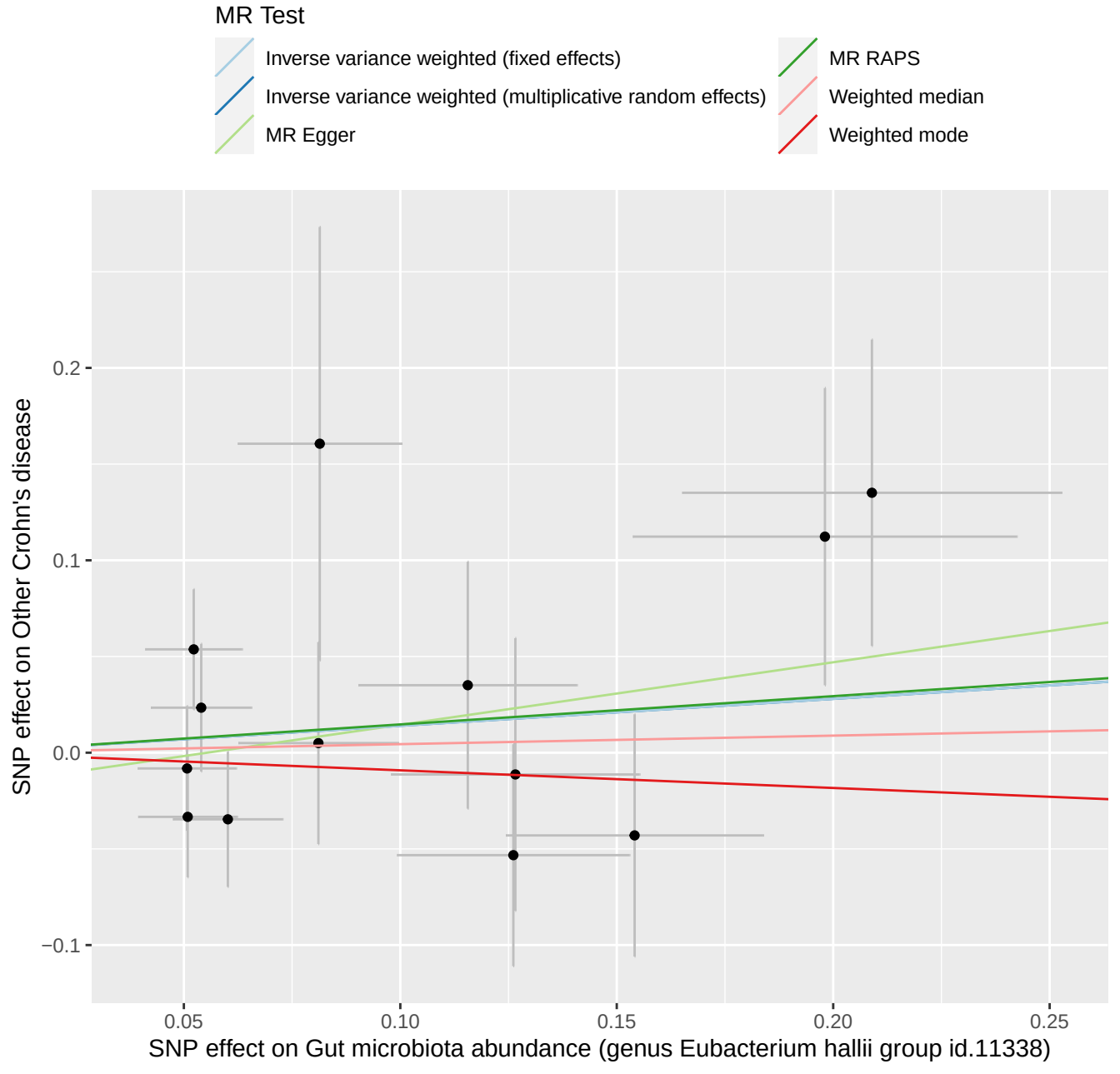
Batch 222 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Other Crohn's disease



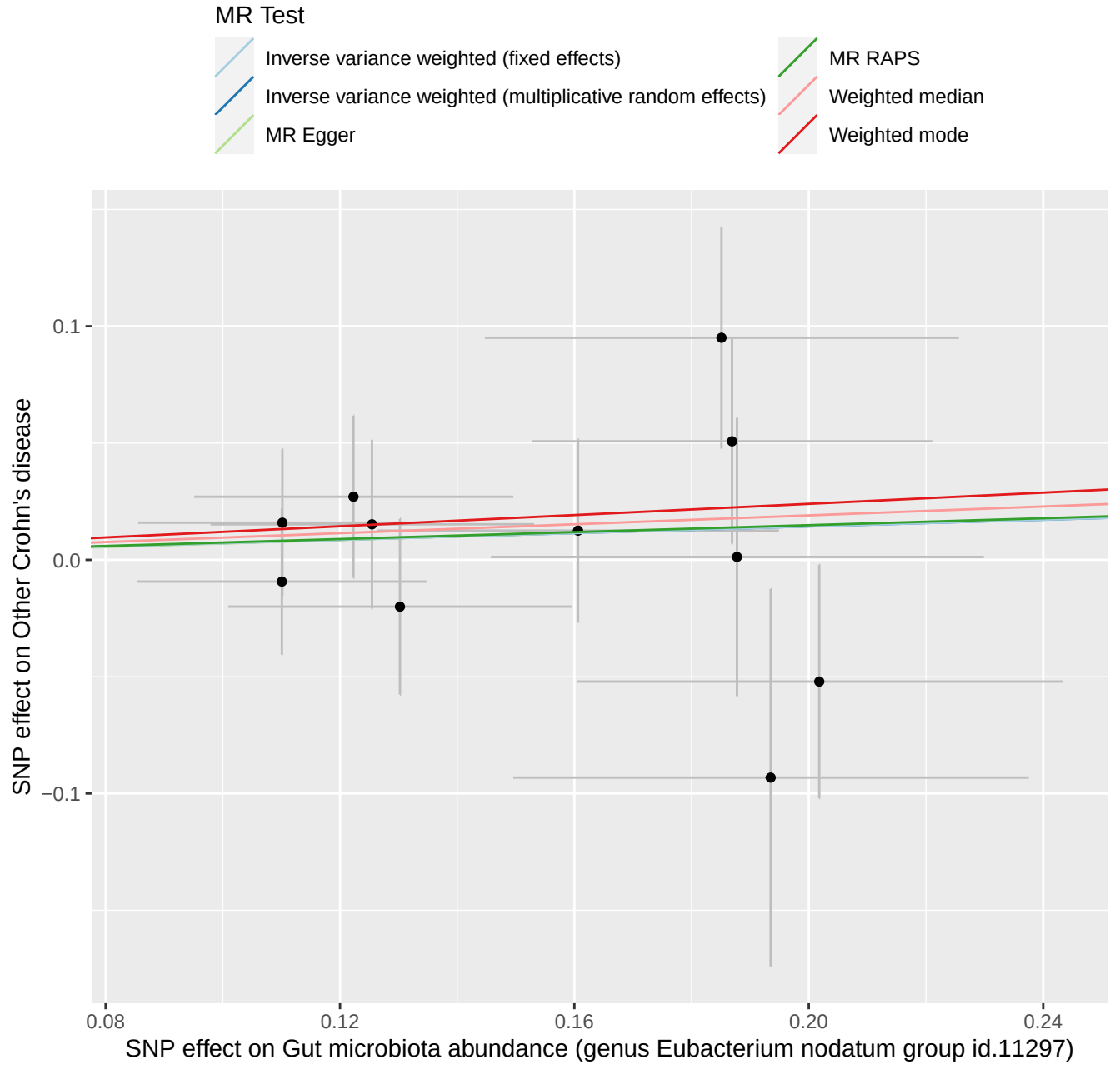
Batch 223 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Other Crohn's disease



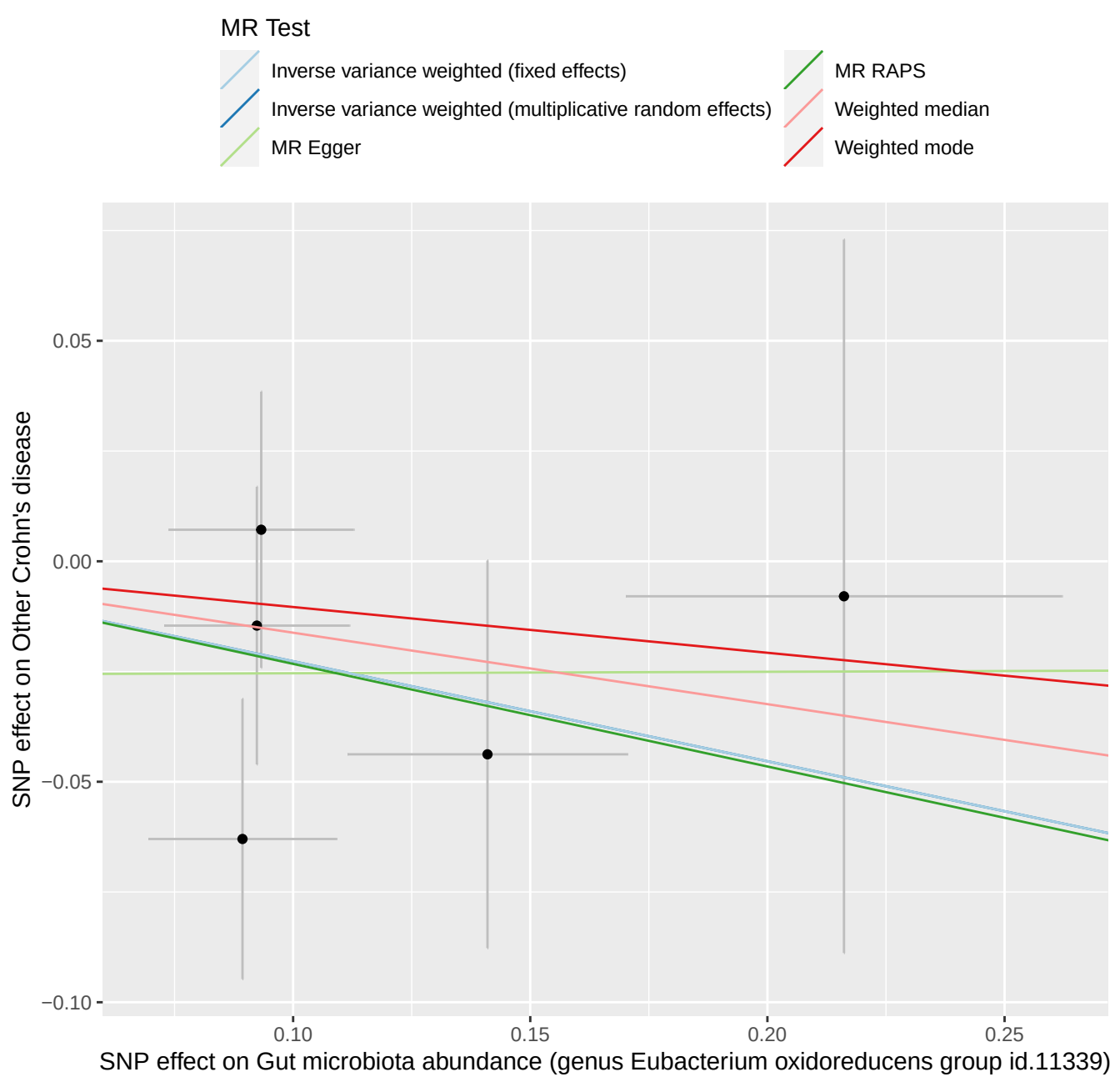
Batch 224 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Other Crohn's disease



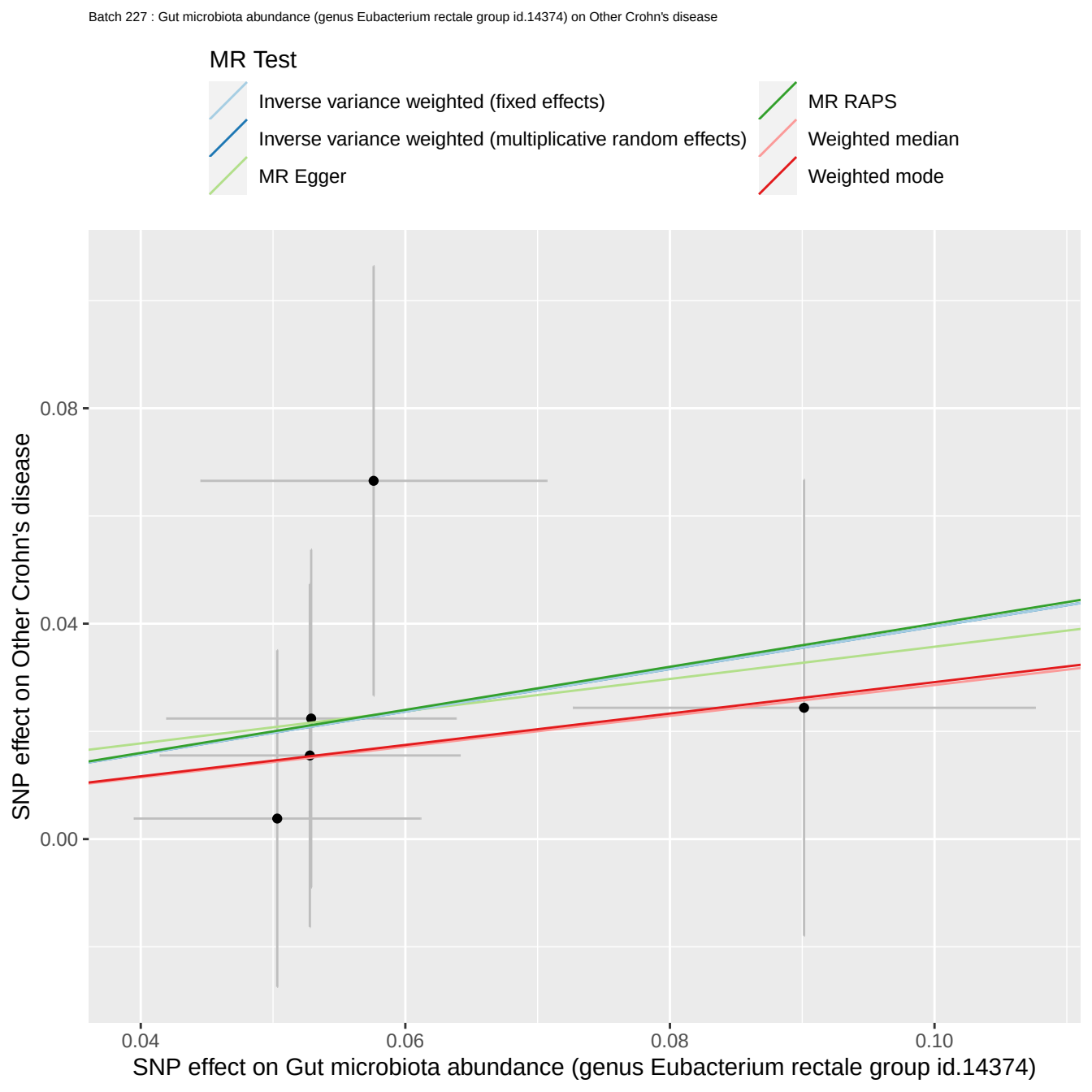
Batch 225 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Other Crohn's disease



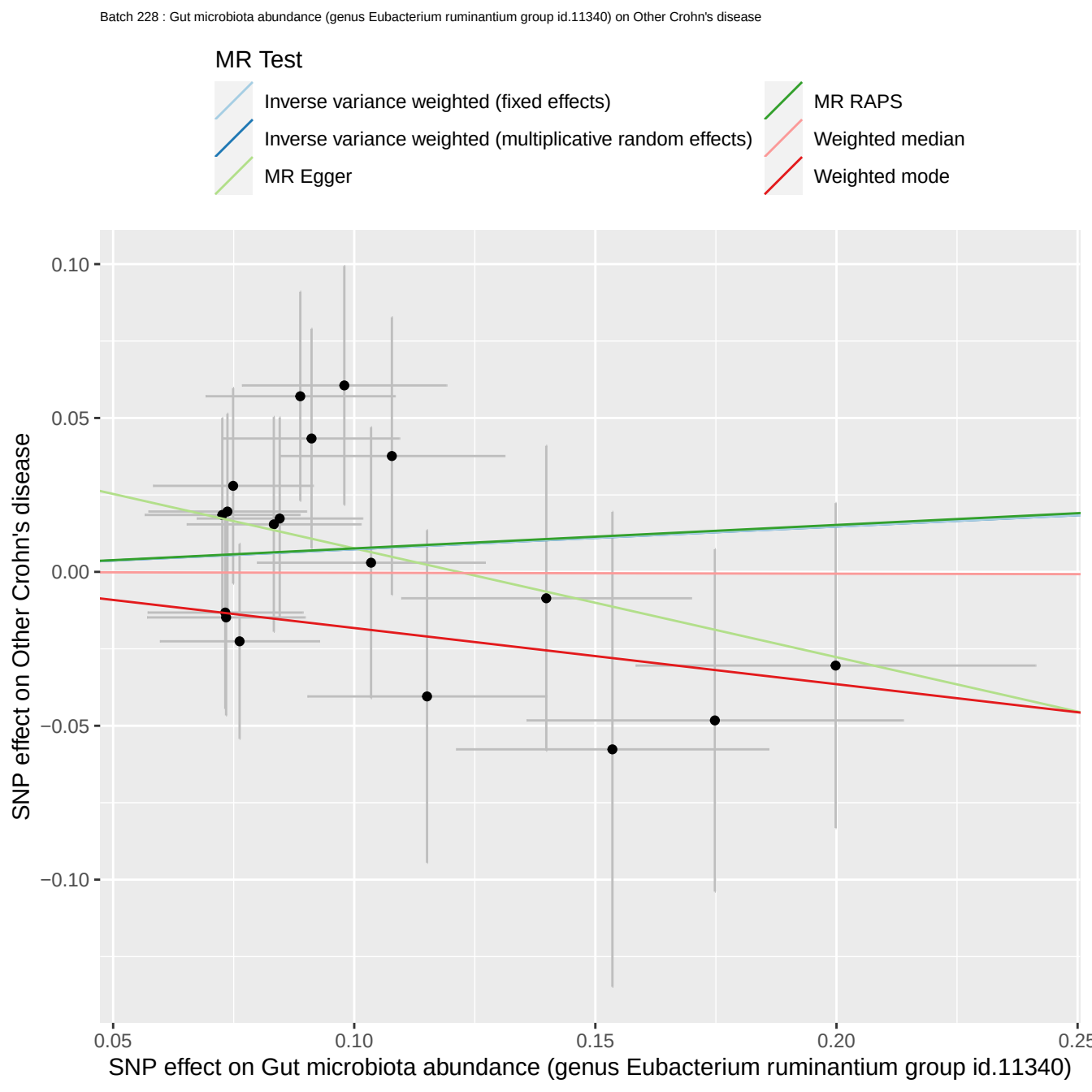
Batch 226 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Other Crohn's disease

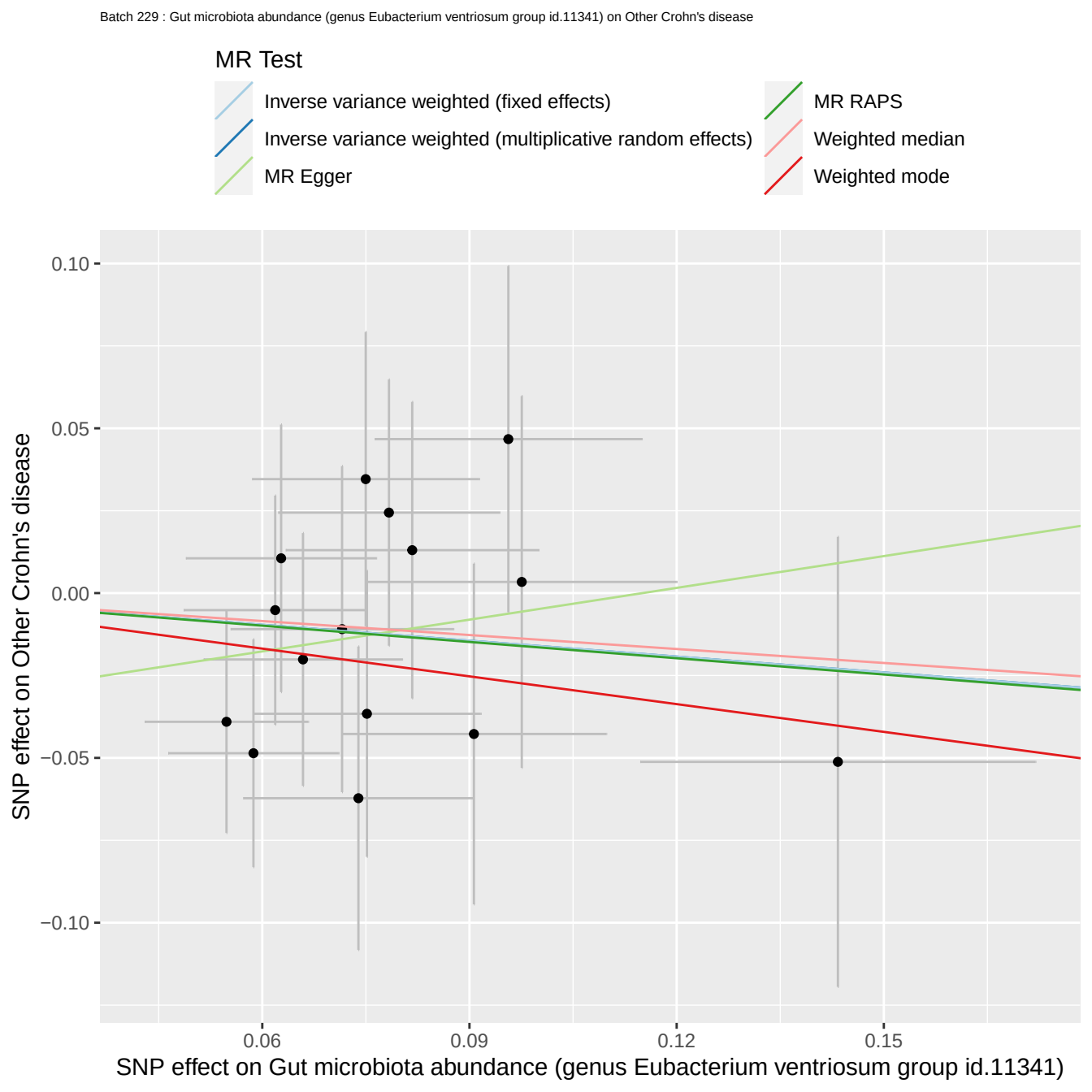


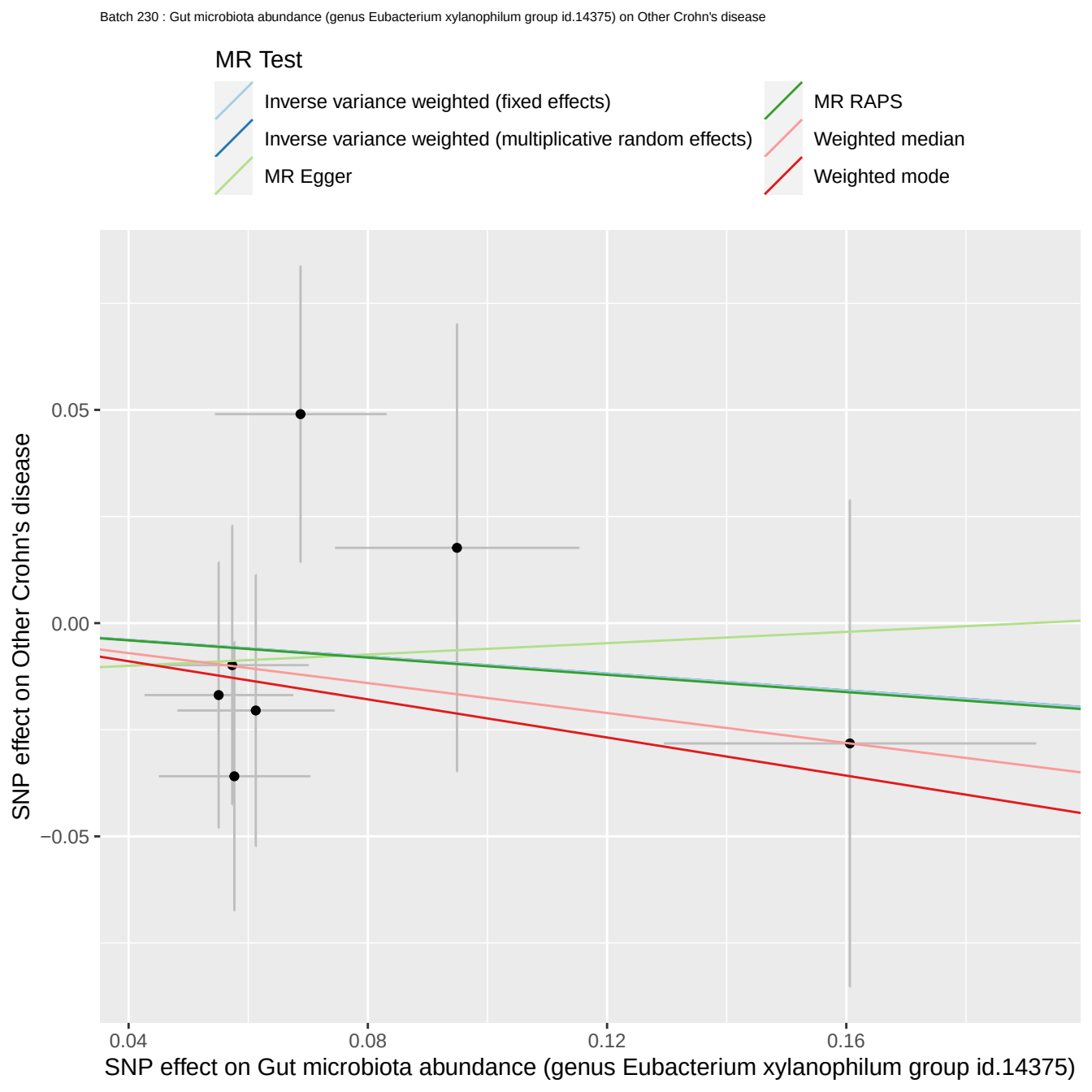
Batch 227 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Other Crohn's disease



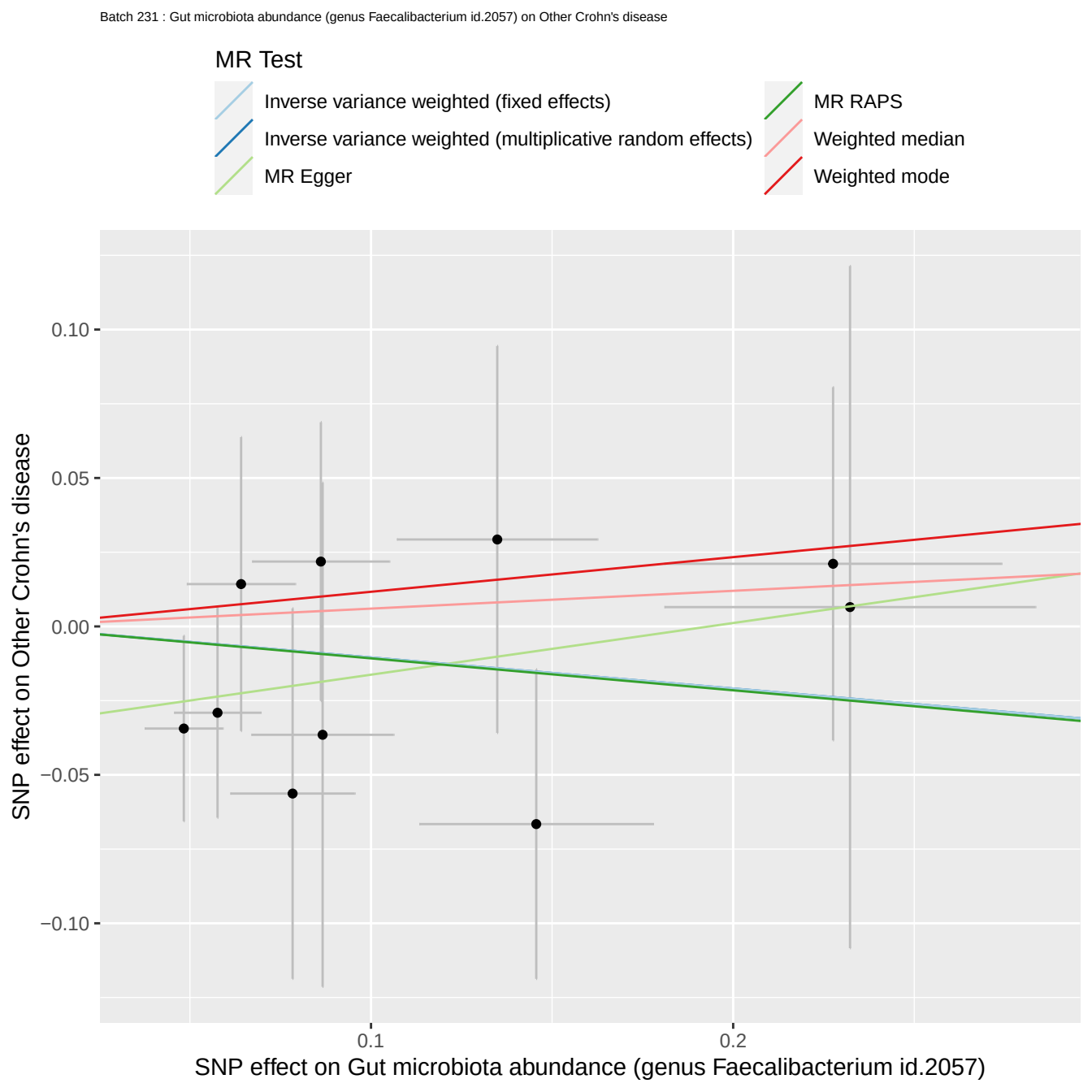
Batch 228 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Other Crohn's disease



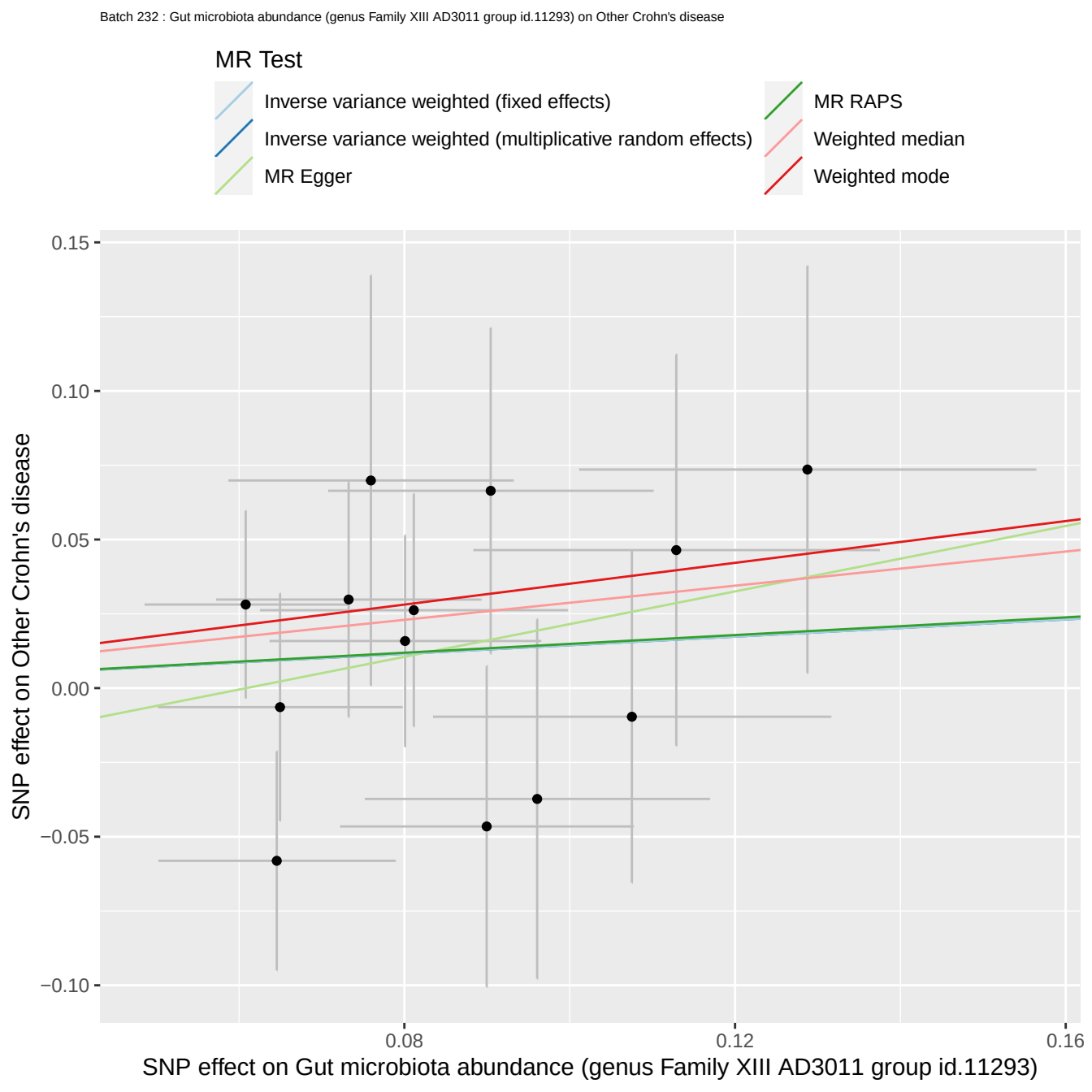

Batch 229 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)


Batch 230 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

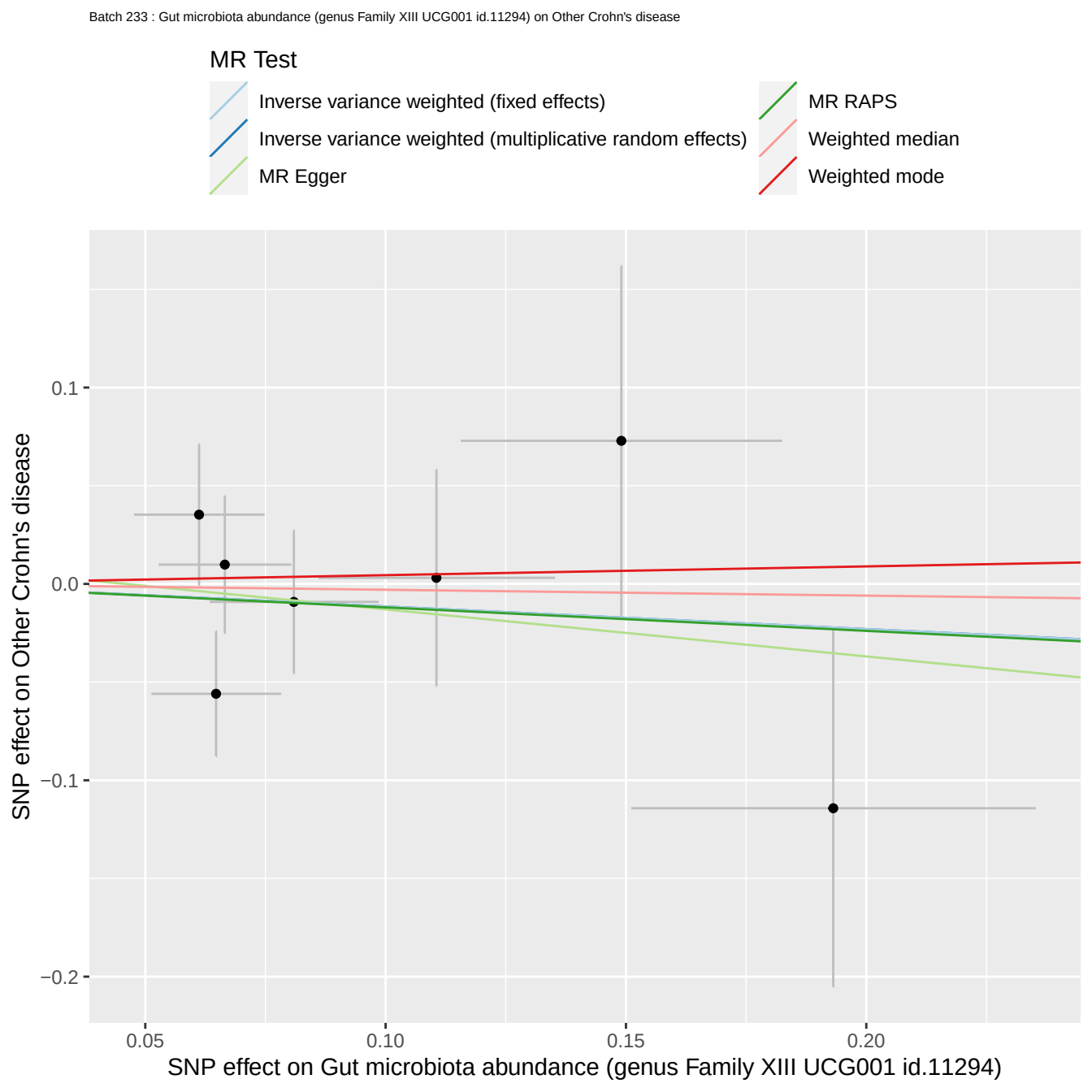
Batch 231 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Other Crohn's disease

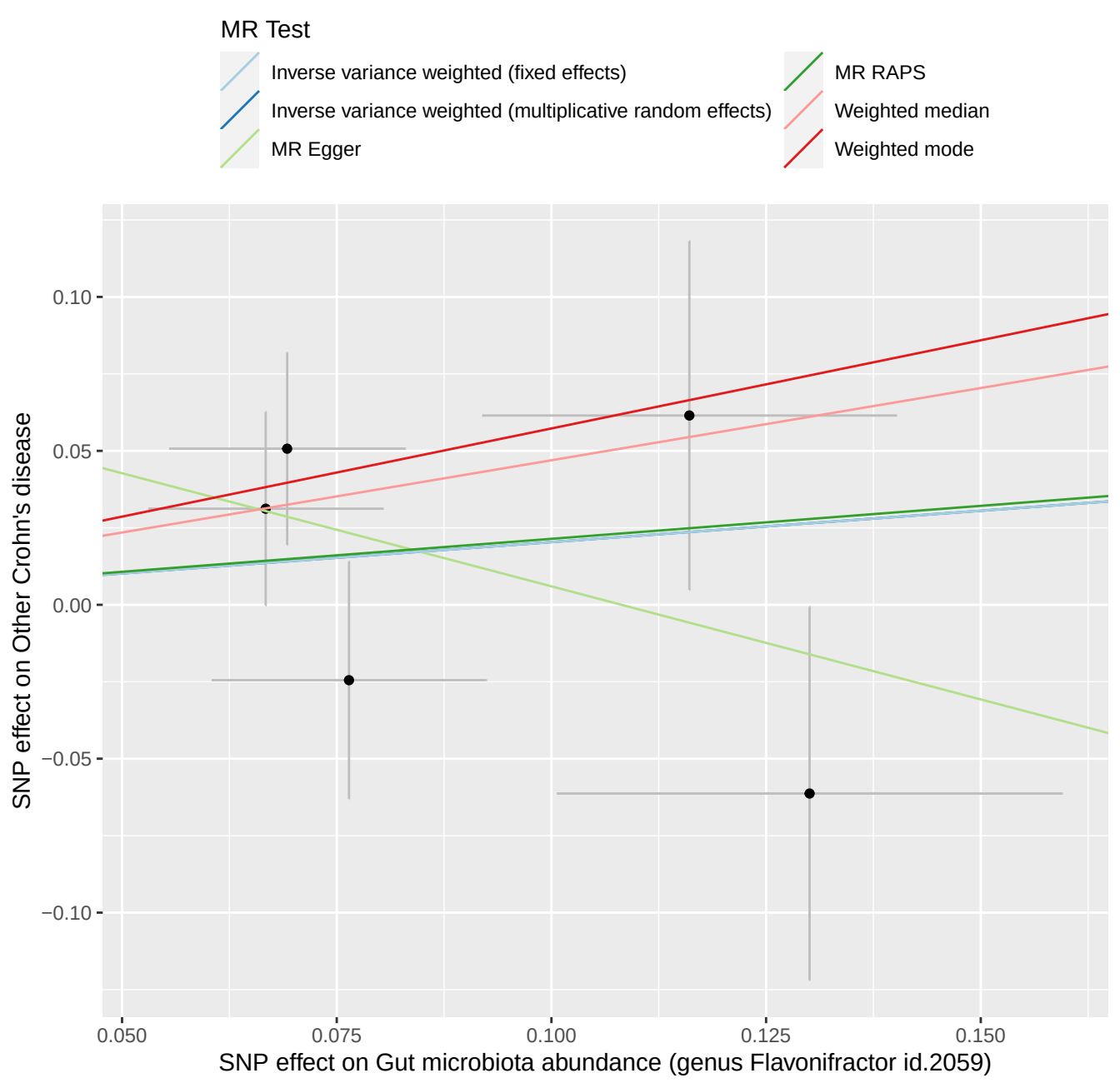


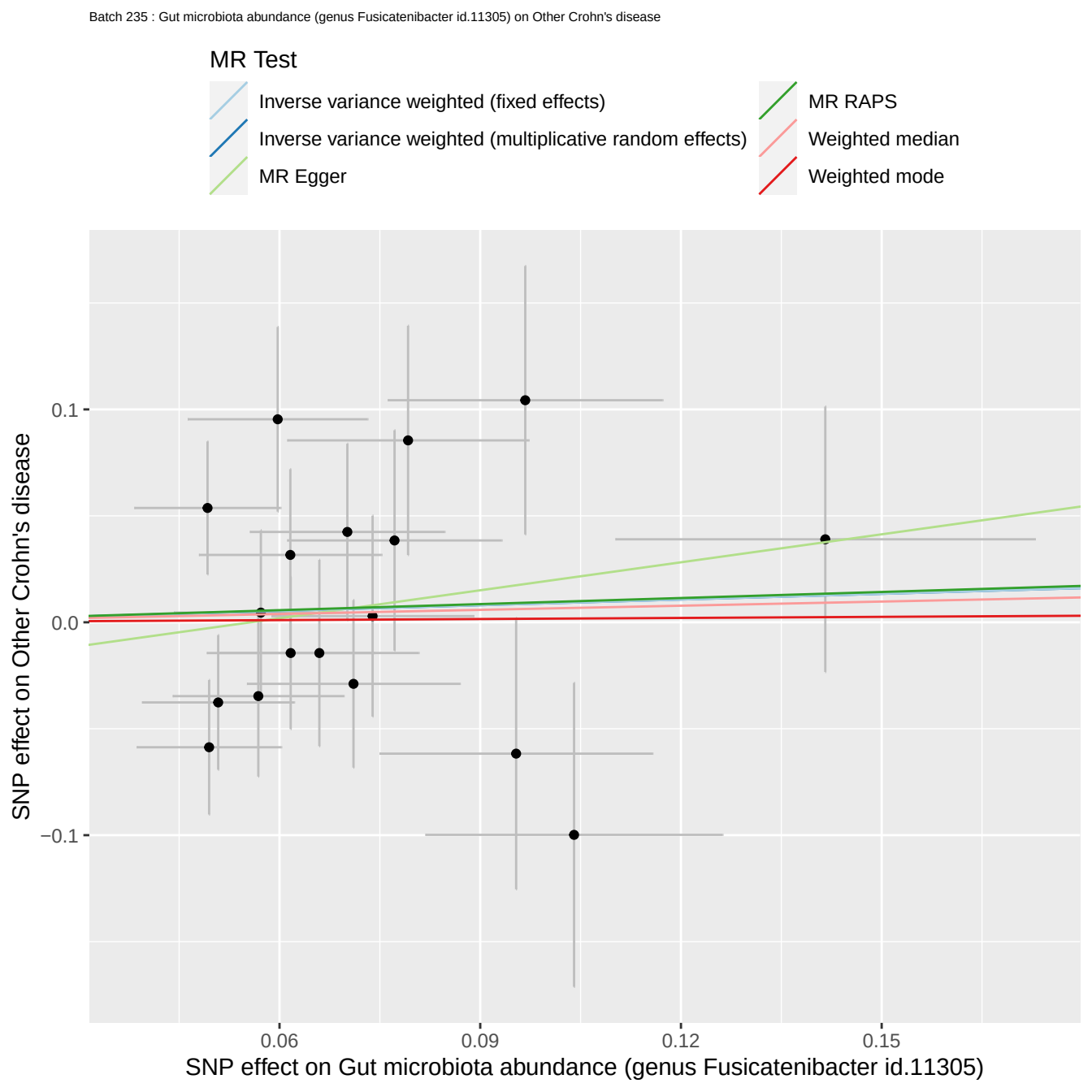
Batch 232 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Other Crohn's disease



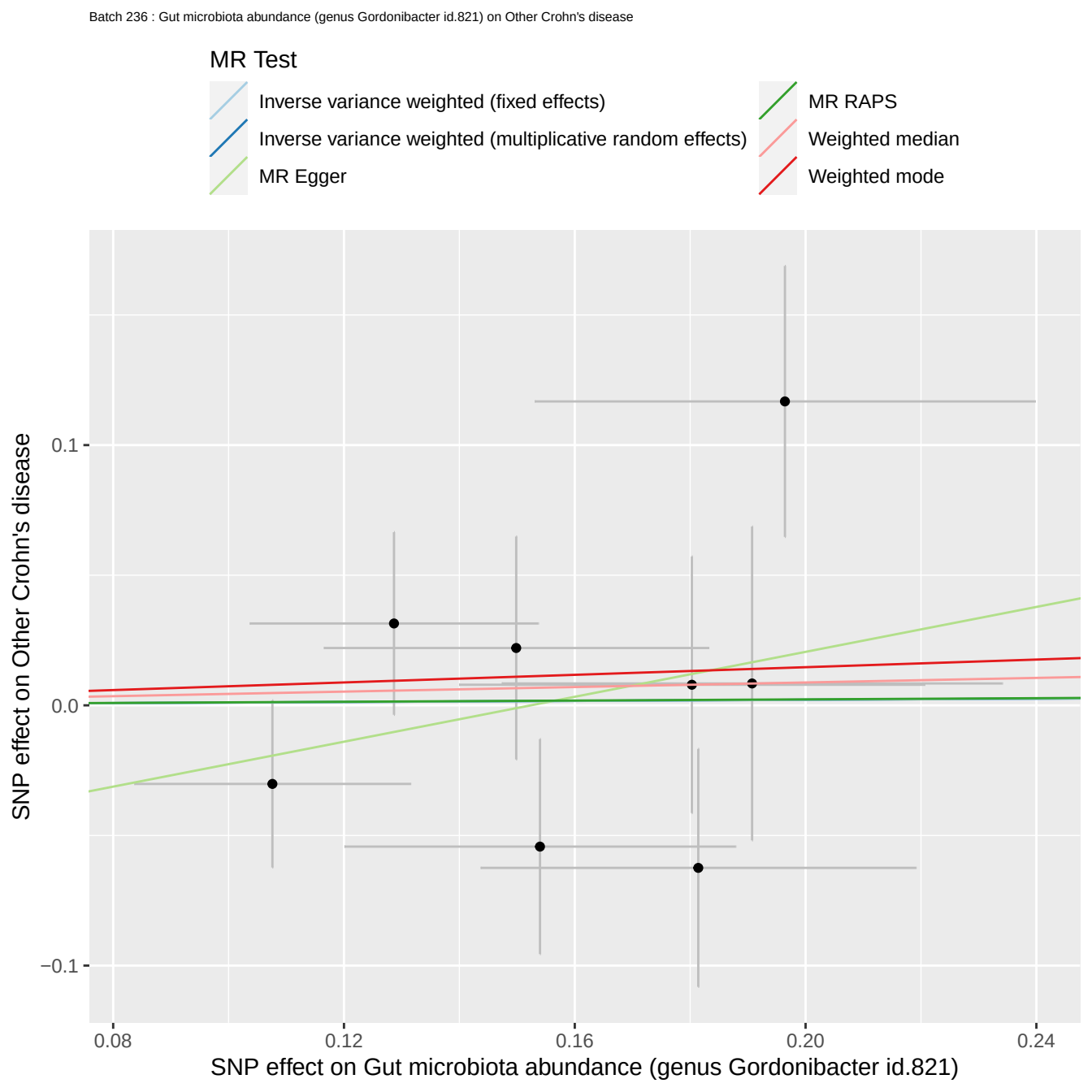
Batch 233 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Other Crohn's disease

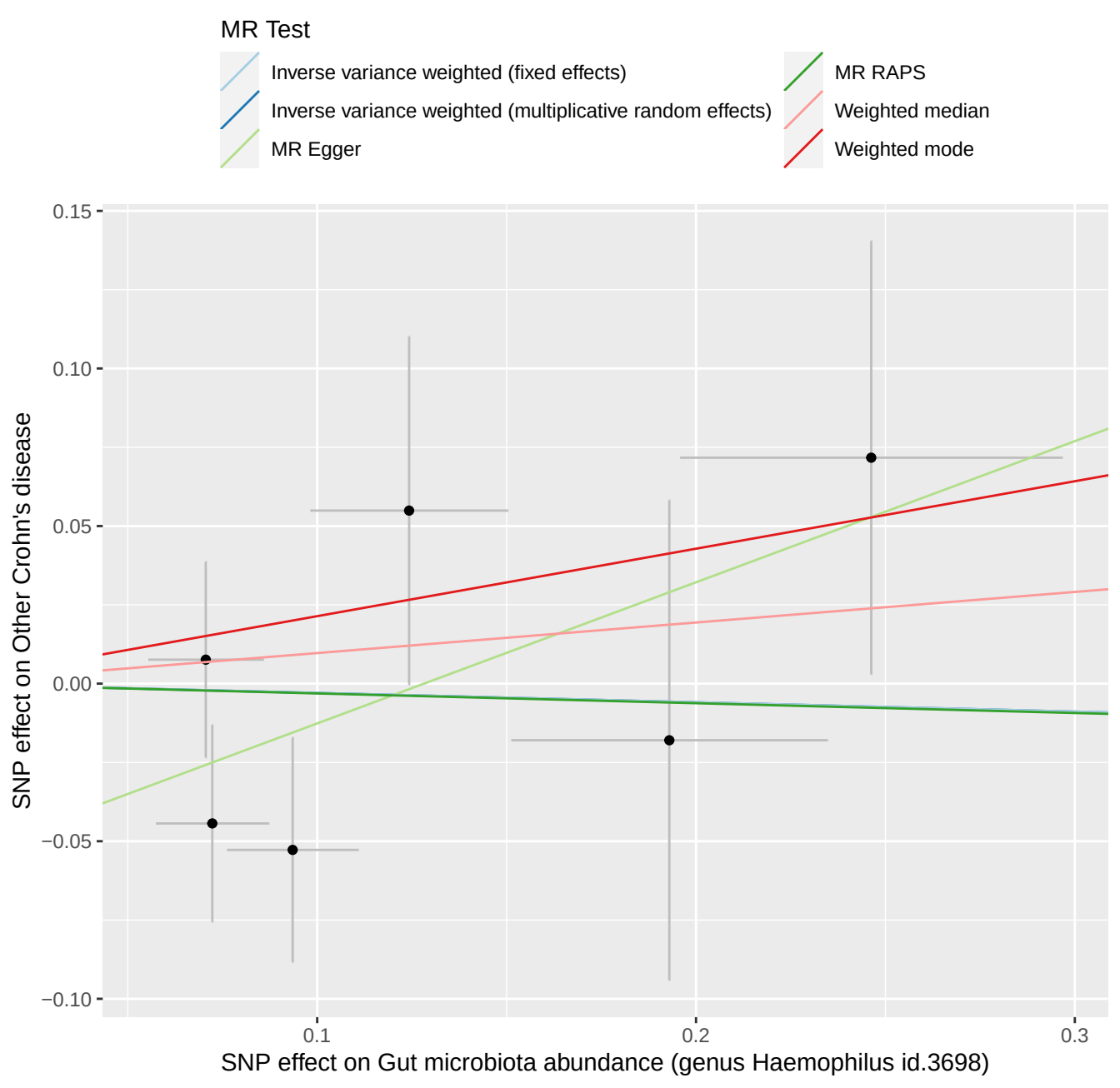


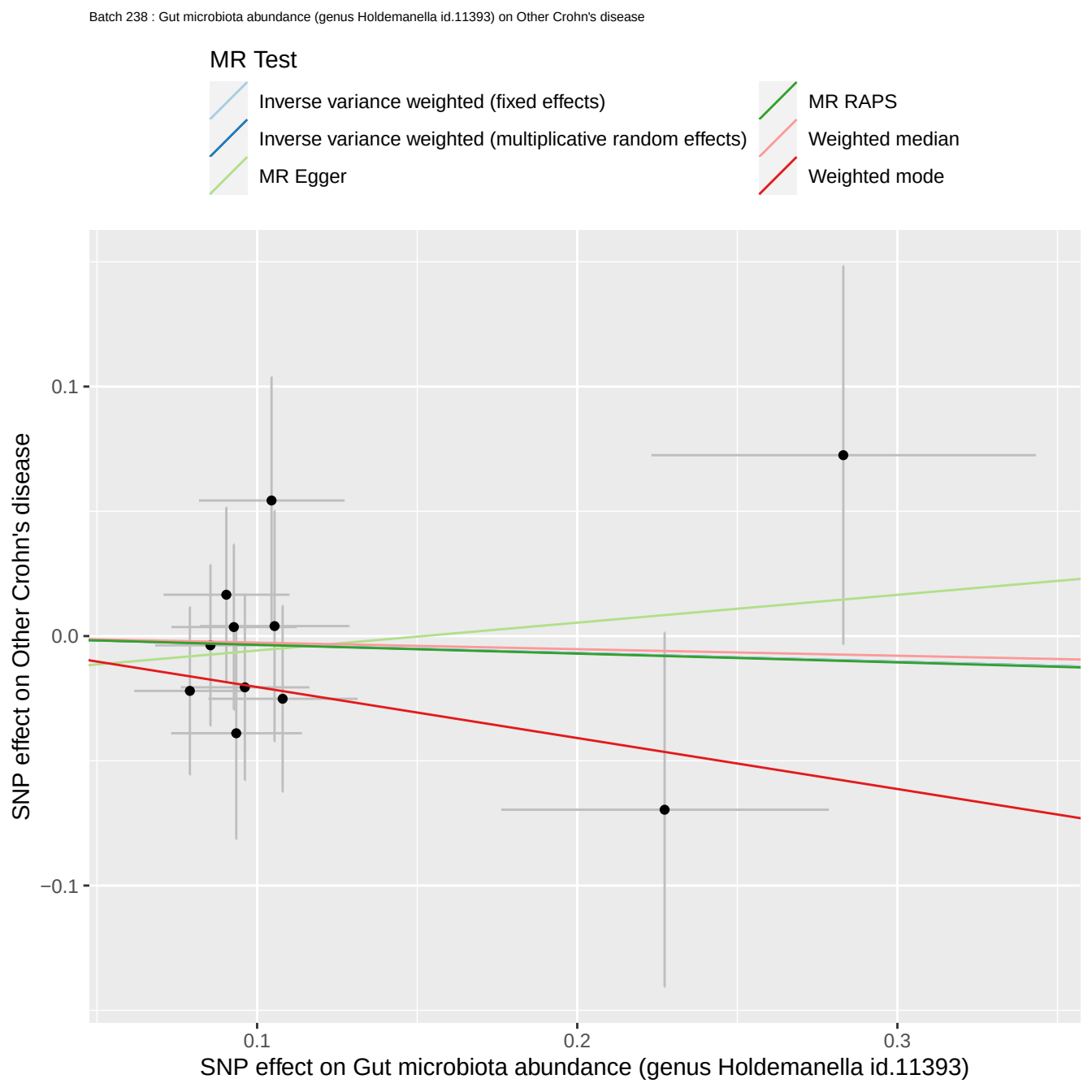

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

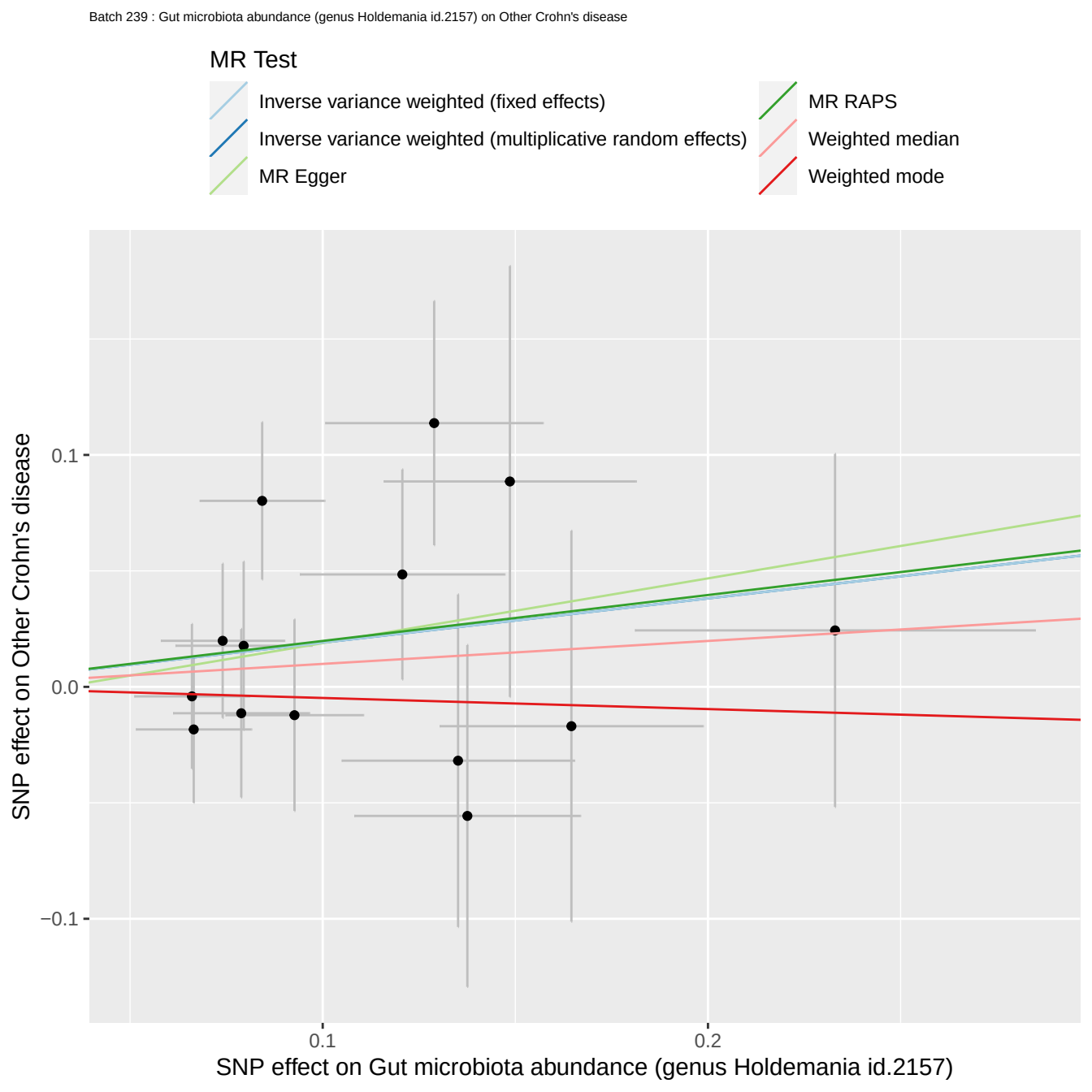

Batch 235 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

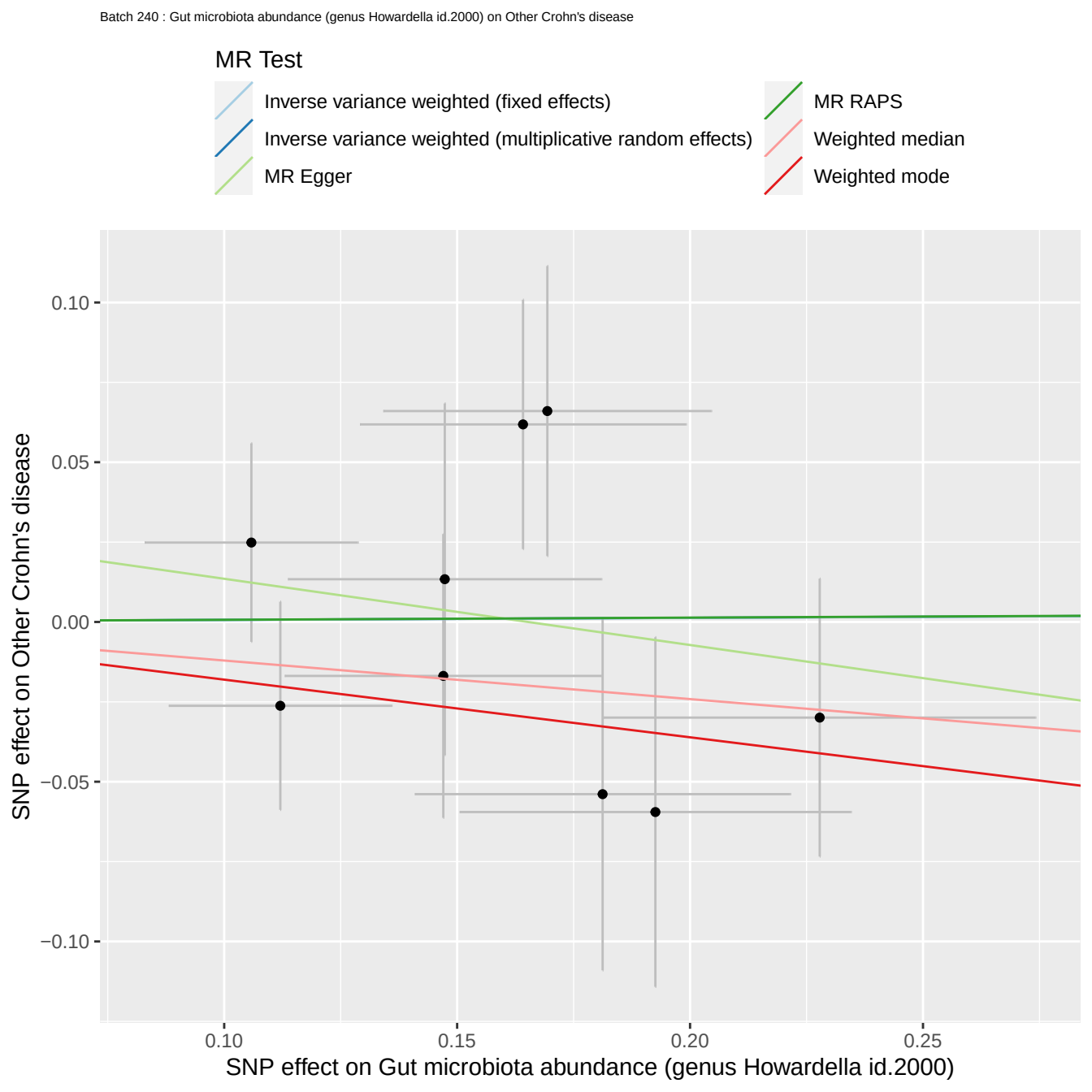
Batch 236 : Gut microbiota abundance (genus Gordonibacter id.821) on Other Crohn's disease



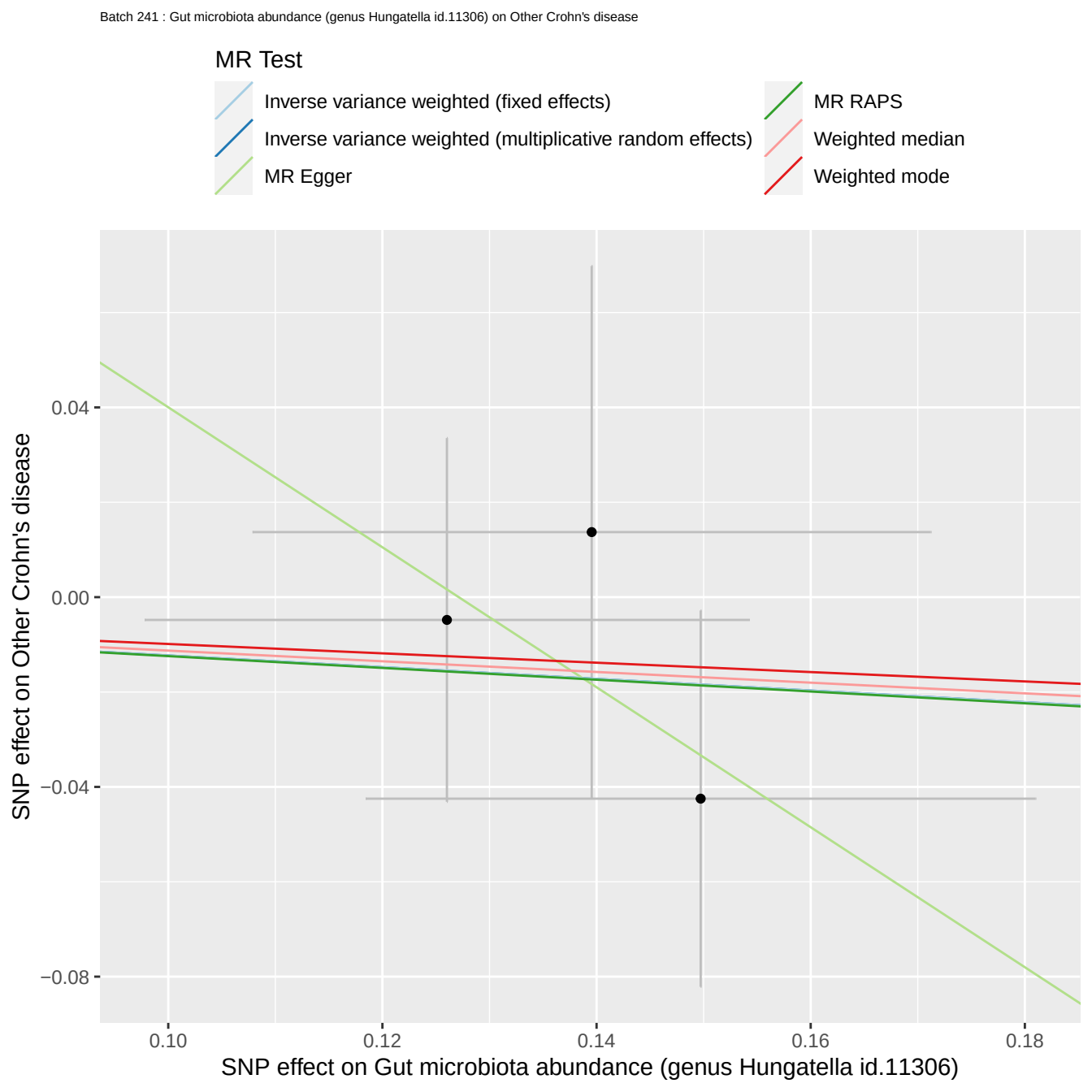

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)


Batch 238 : Gut microbiota abundance (genus Holdemanella id.11393) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Holdemanella id.11393)

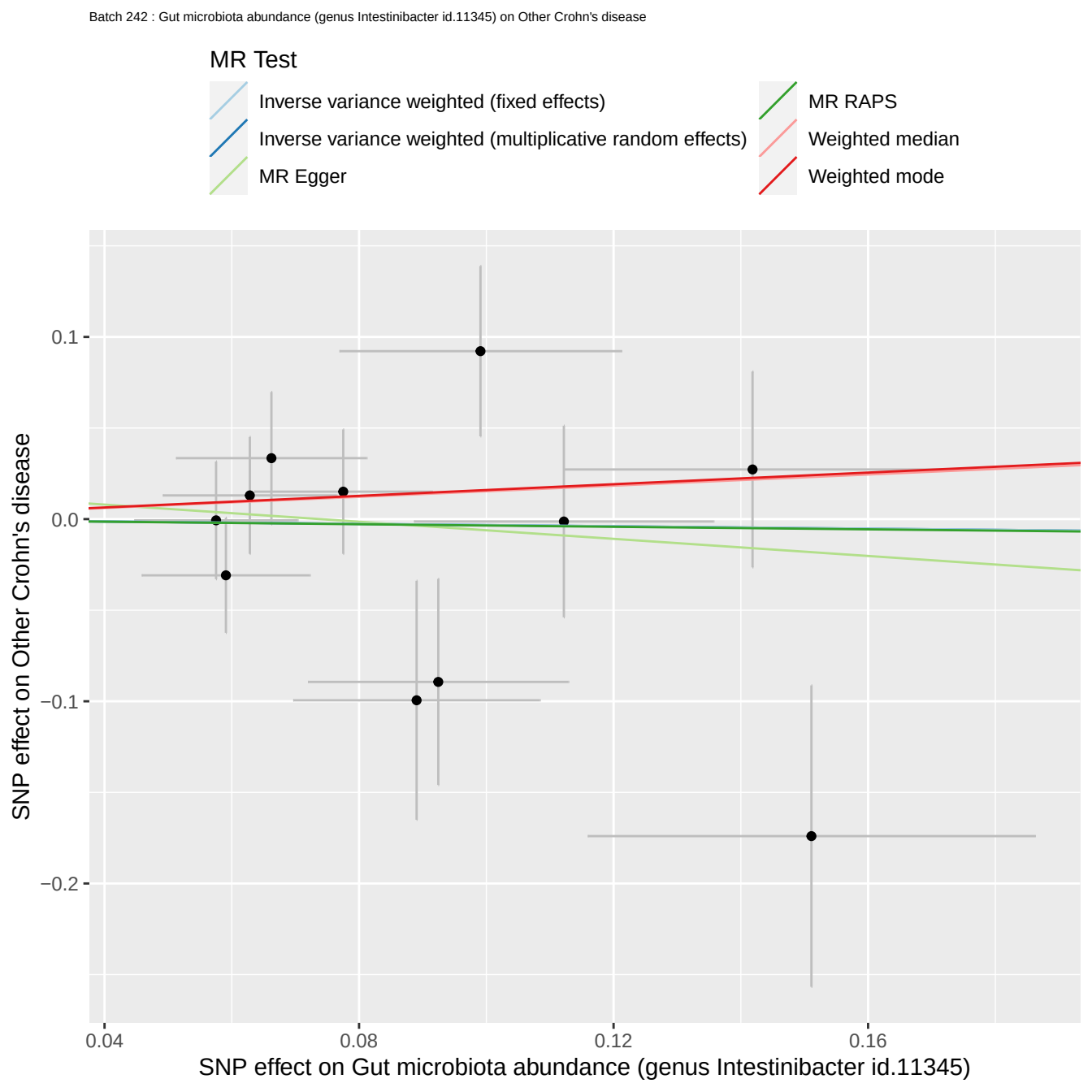

Batch 239 : Gut microbiota abundance (genus Holdemania id.2157) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

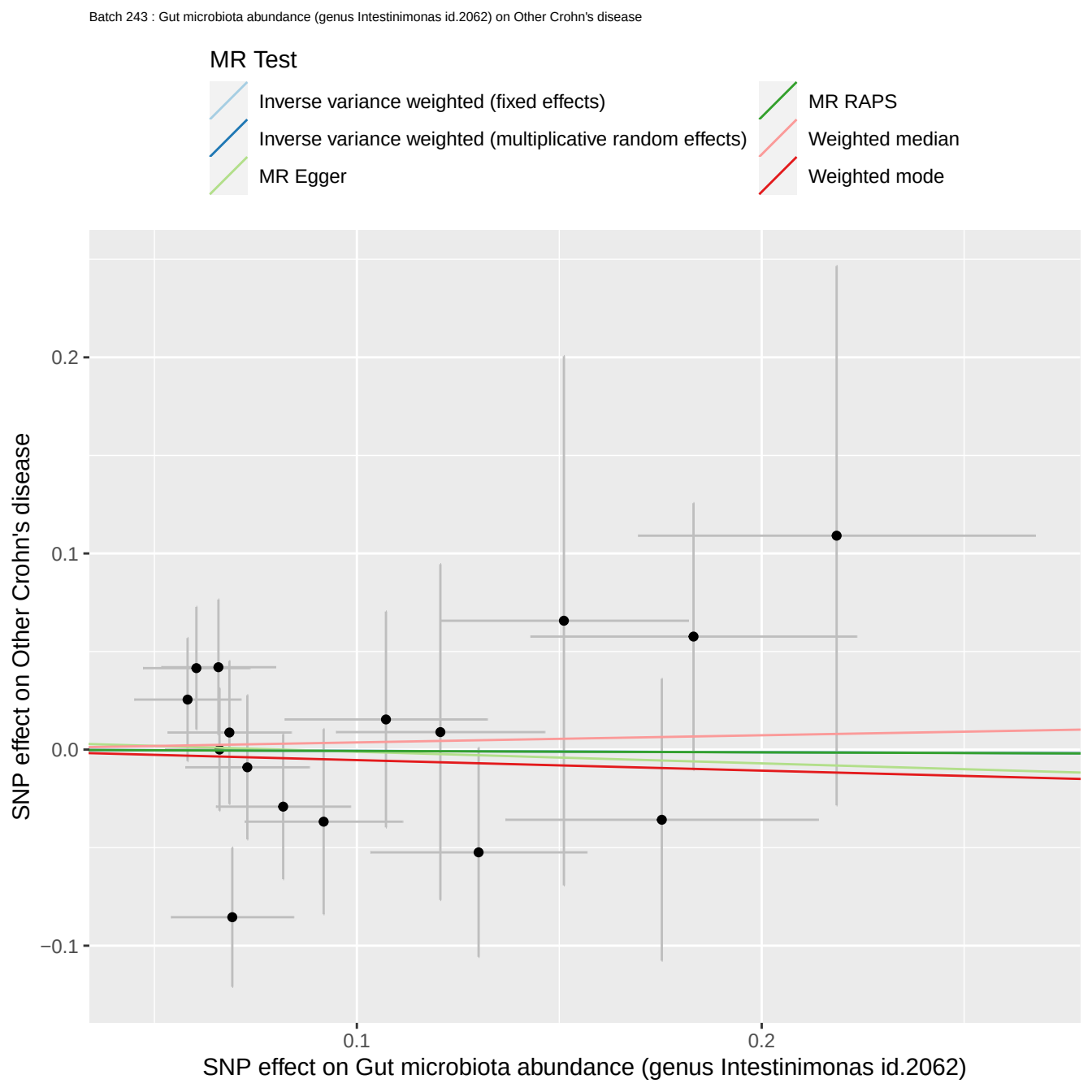

Batch 240 : Gut microbiota abundance (genus Howardella id.2000) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

Batch 241 : Gut microbiota abundance (genus Hungatella id.11306) on Other Crohn's disease

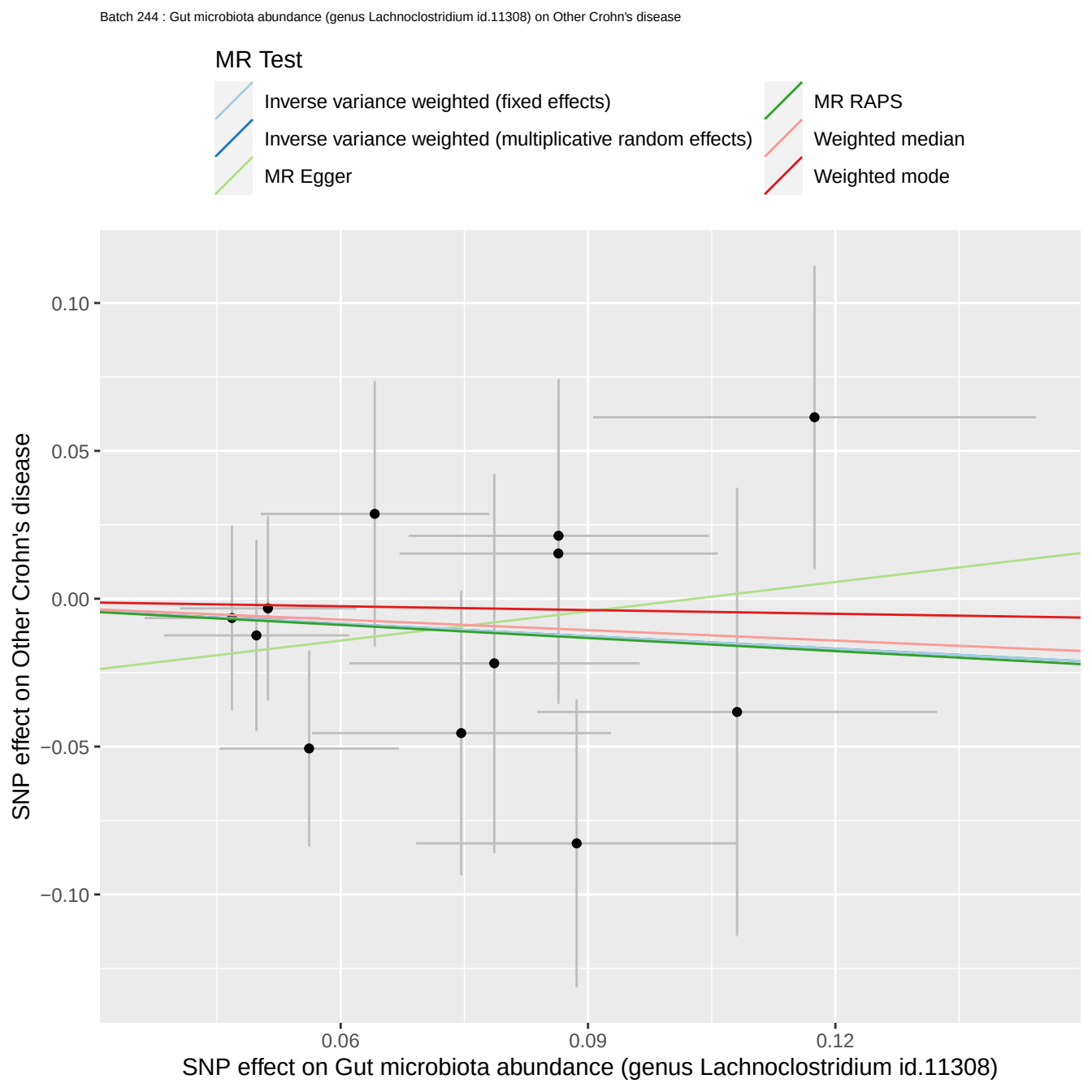


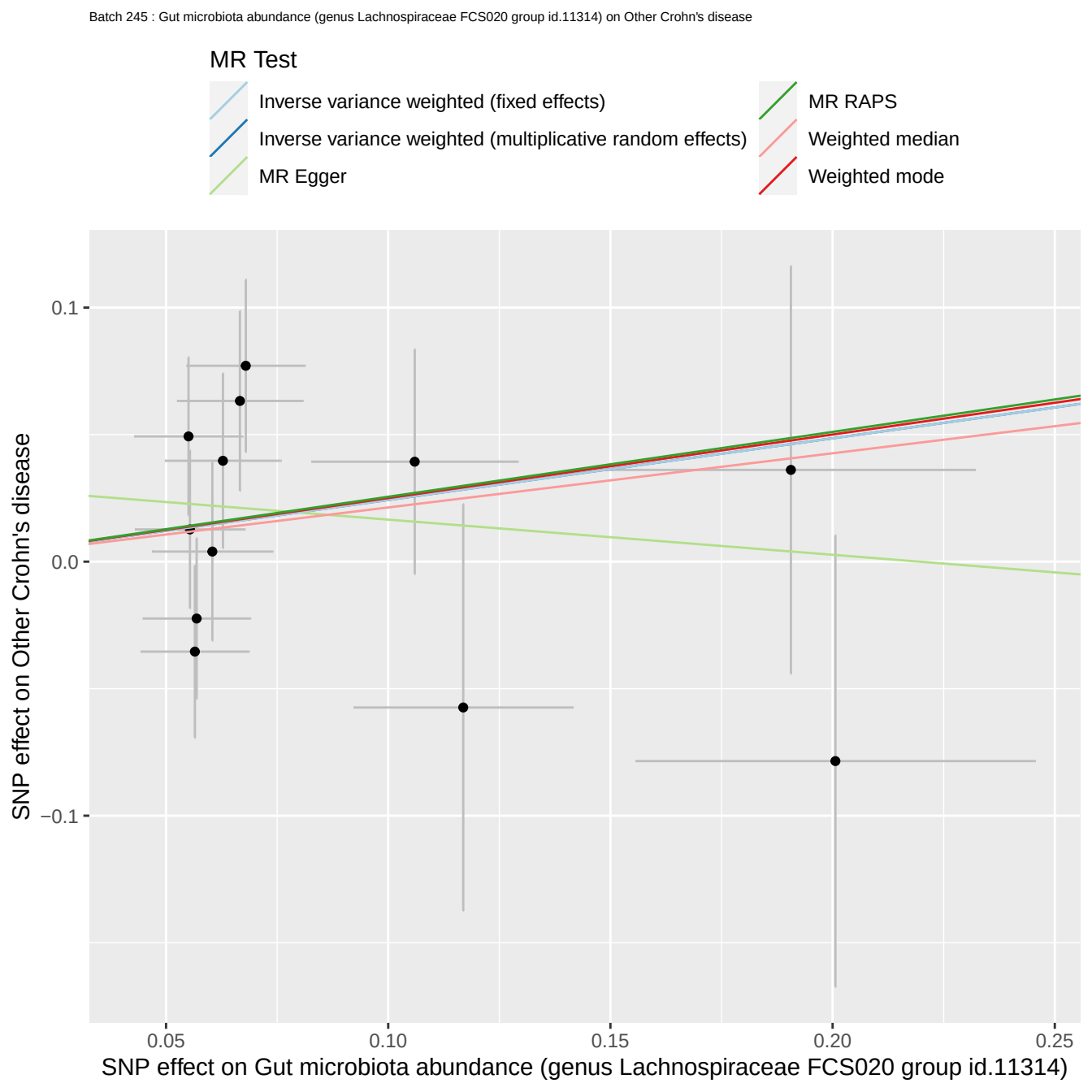
Batch 242 : Gut microbiota abundance (genus Intestinibacter id.11345) on Other Crohn's disease



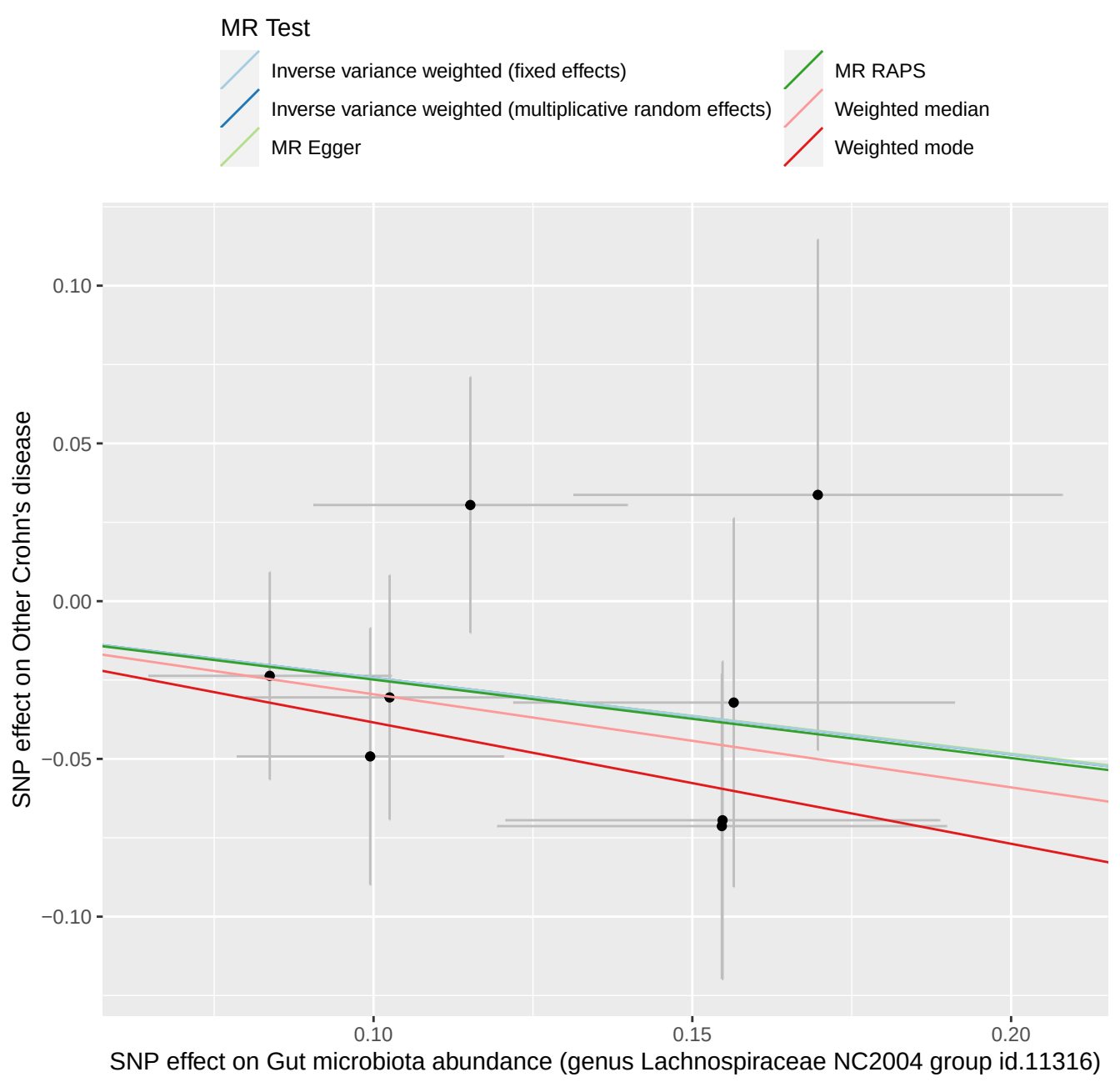

Batch 243 : Gut microbiota abundance (genus Intestinimonas id.2062) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

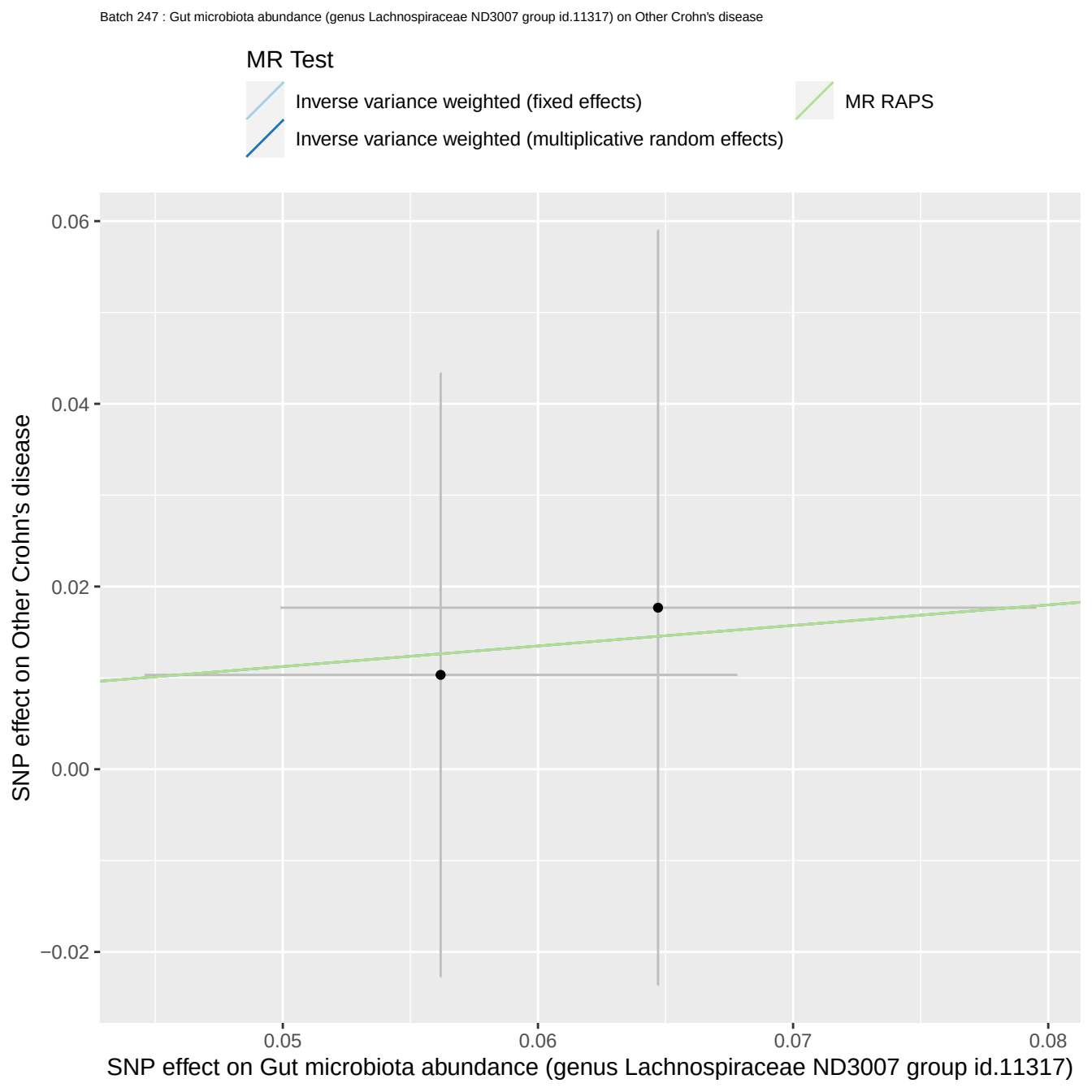
Batch 244 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Other Crohn's disease



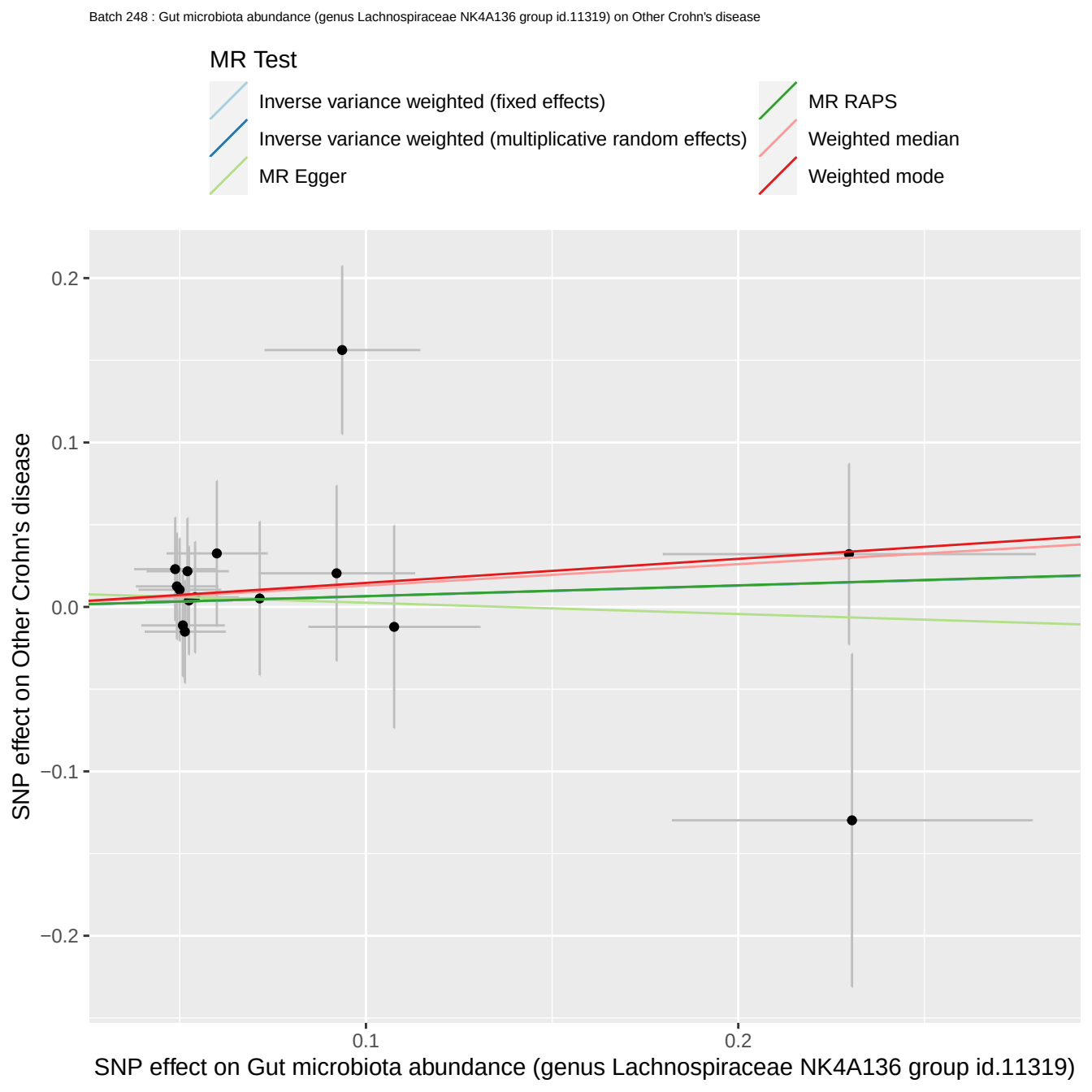

Batch 245 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

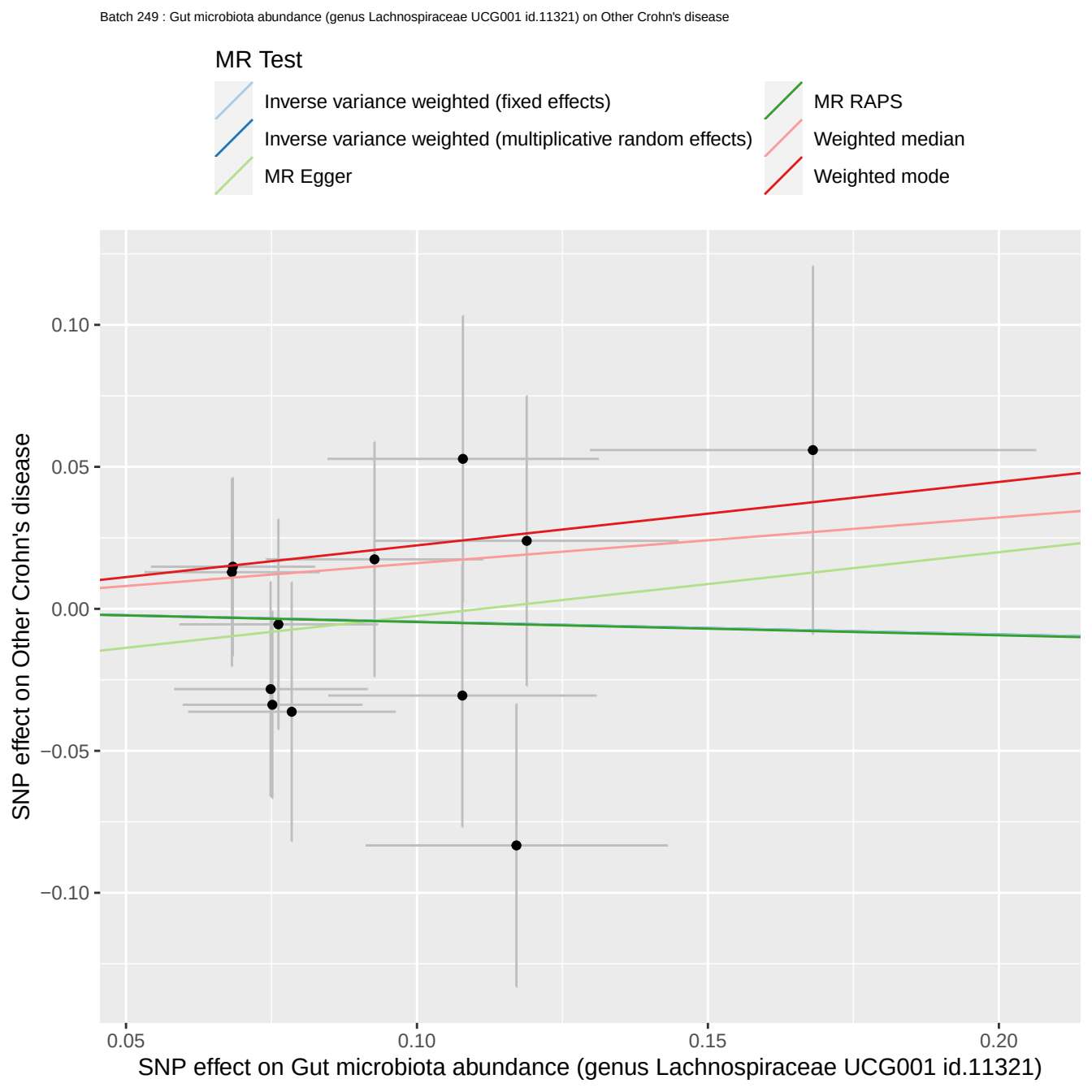
Batch 246 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Other Crohn's disease

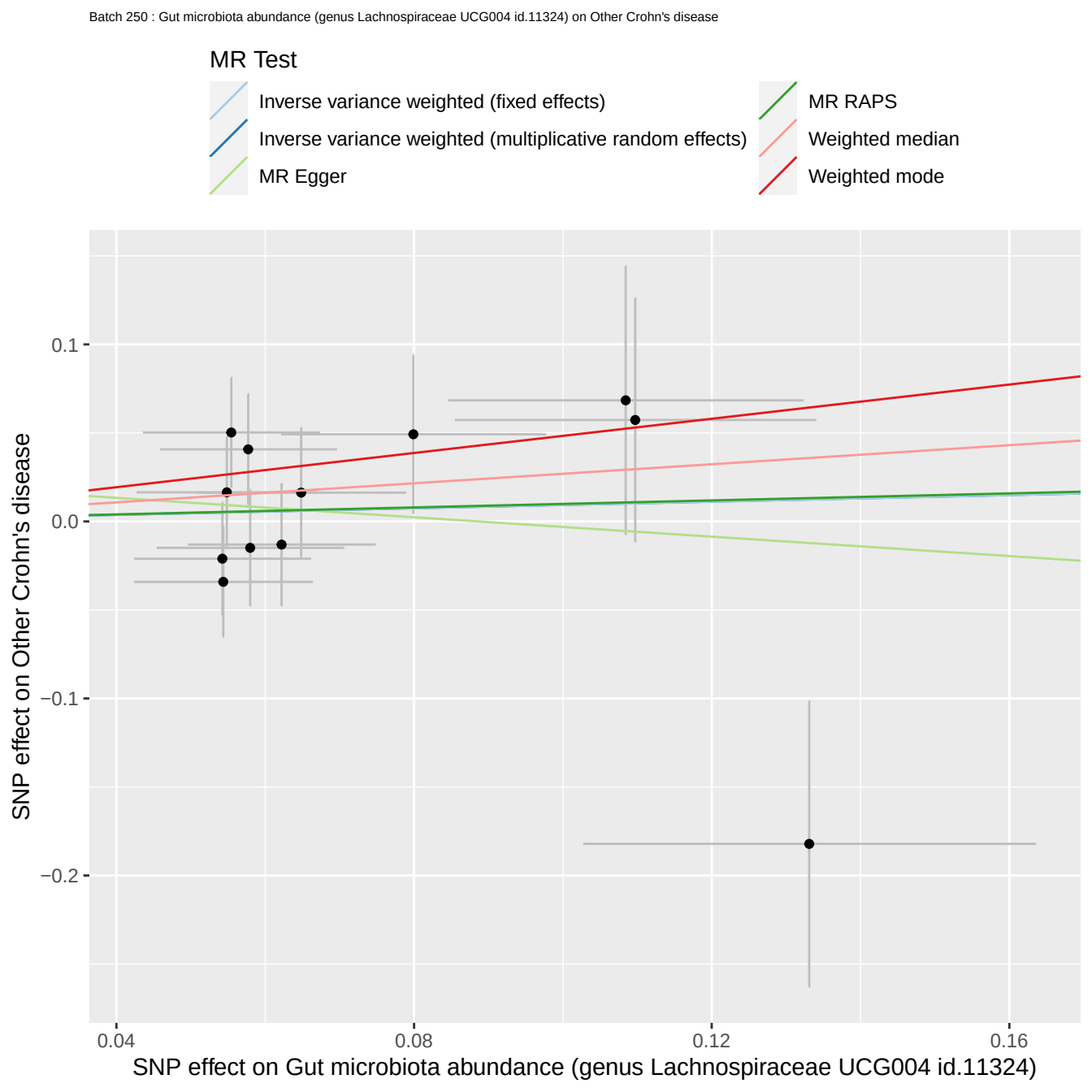



Batch 247 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
0.06
0.04
0.02
0.00
−0.02
SNP effect on Other Crohn's disease
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)

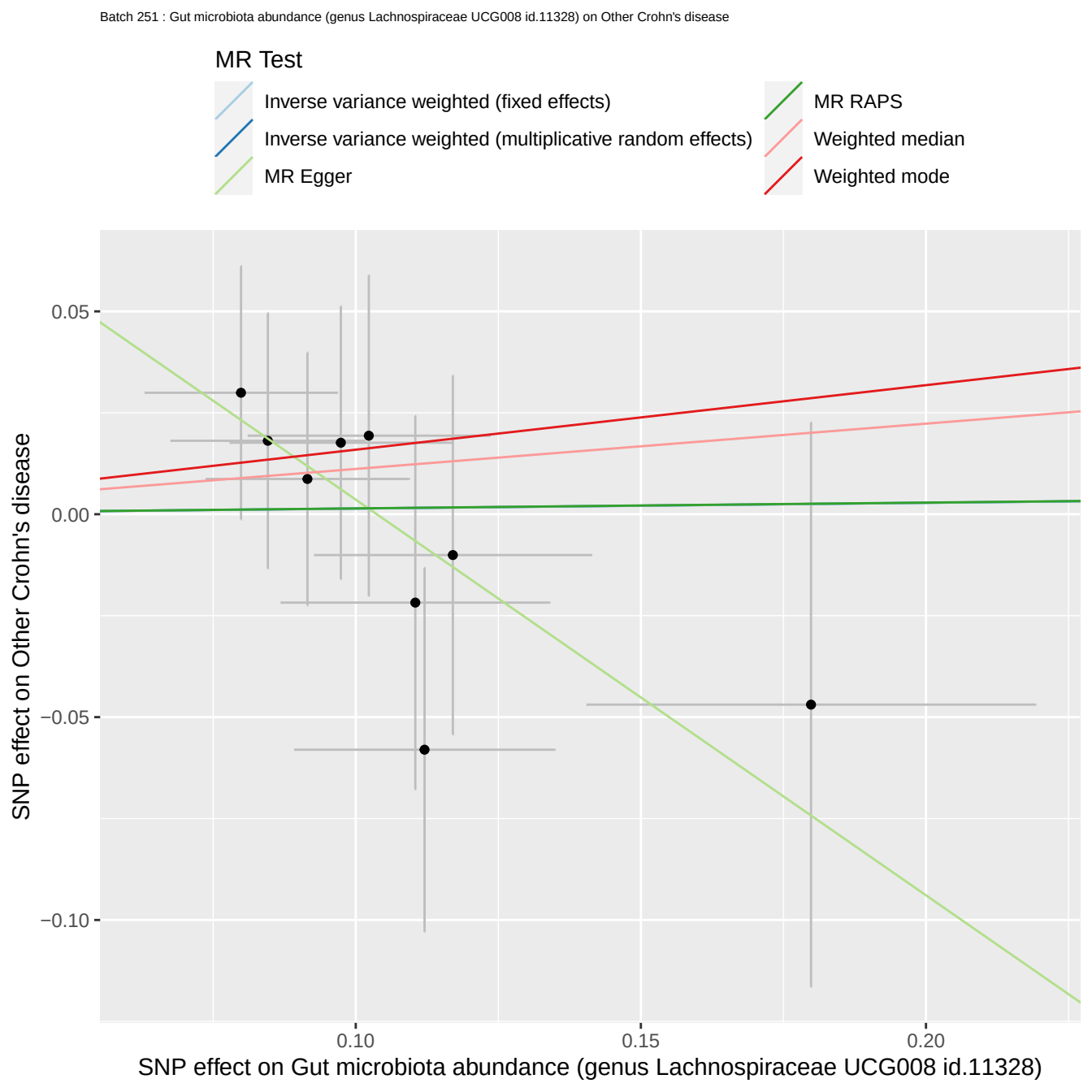
Batch 248 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Other Crohn's disease



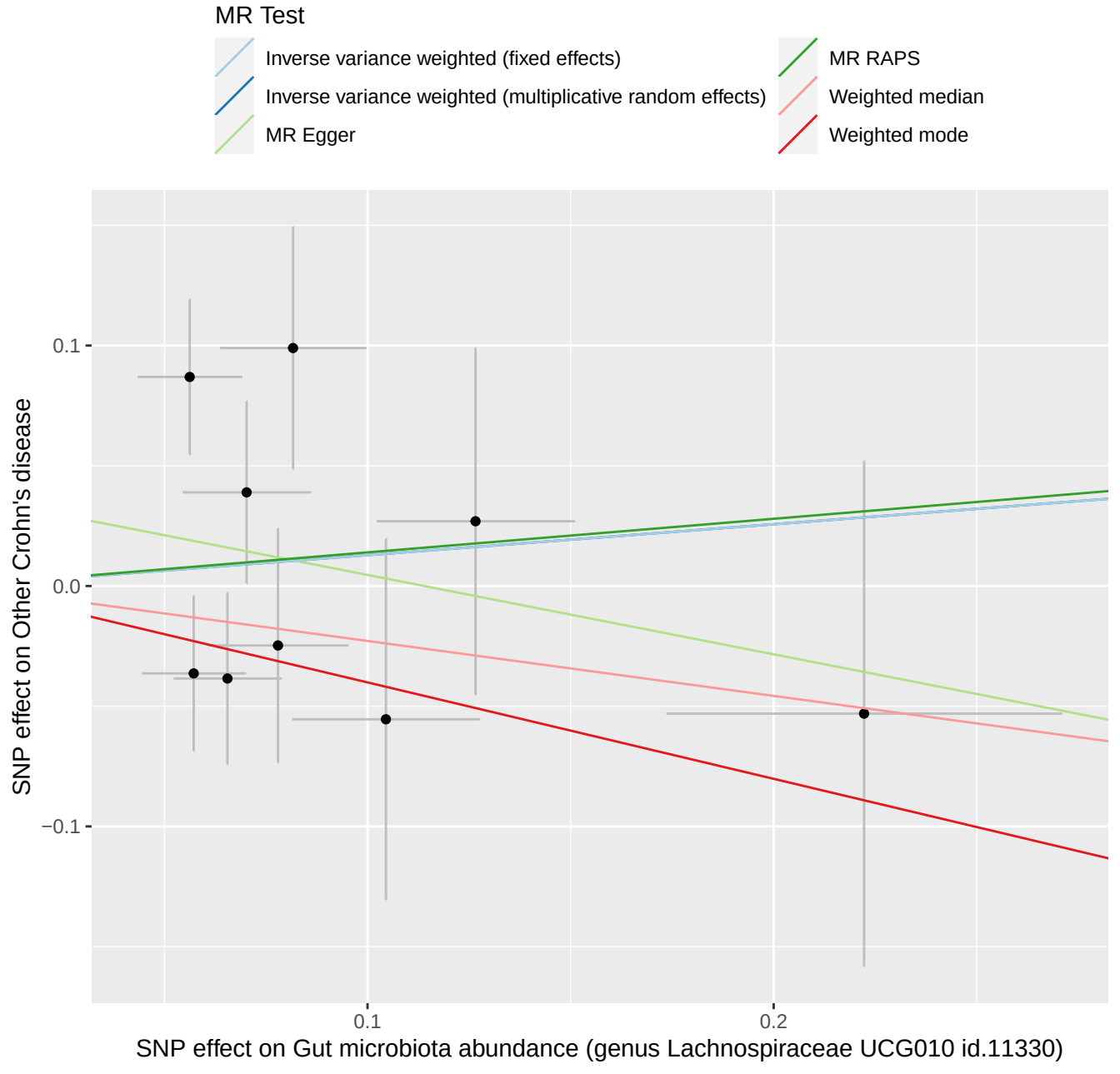

Batch 249 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)


Batch 250 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

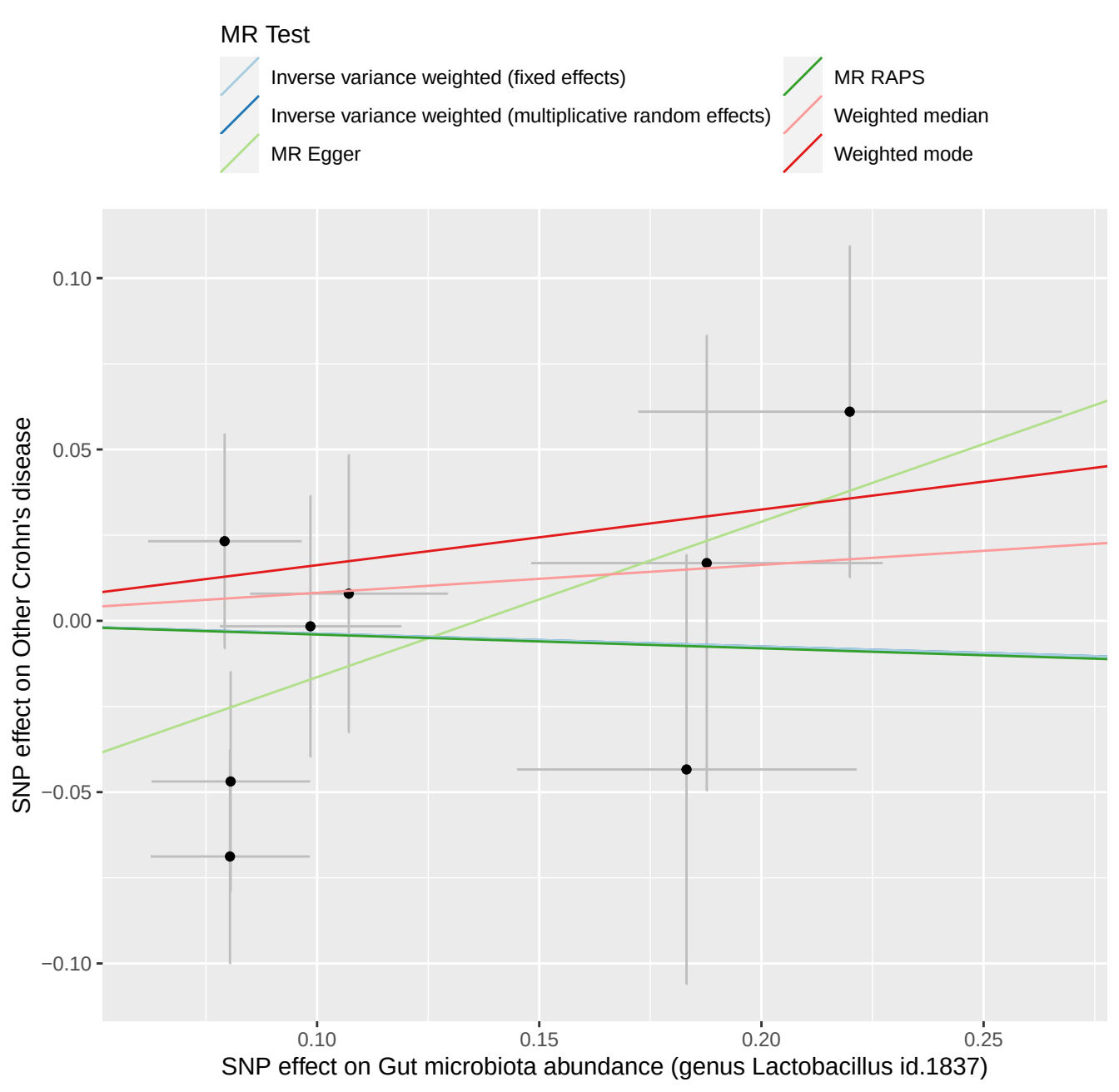
Batch 251 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Other Crohn's disease



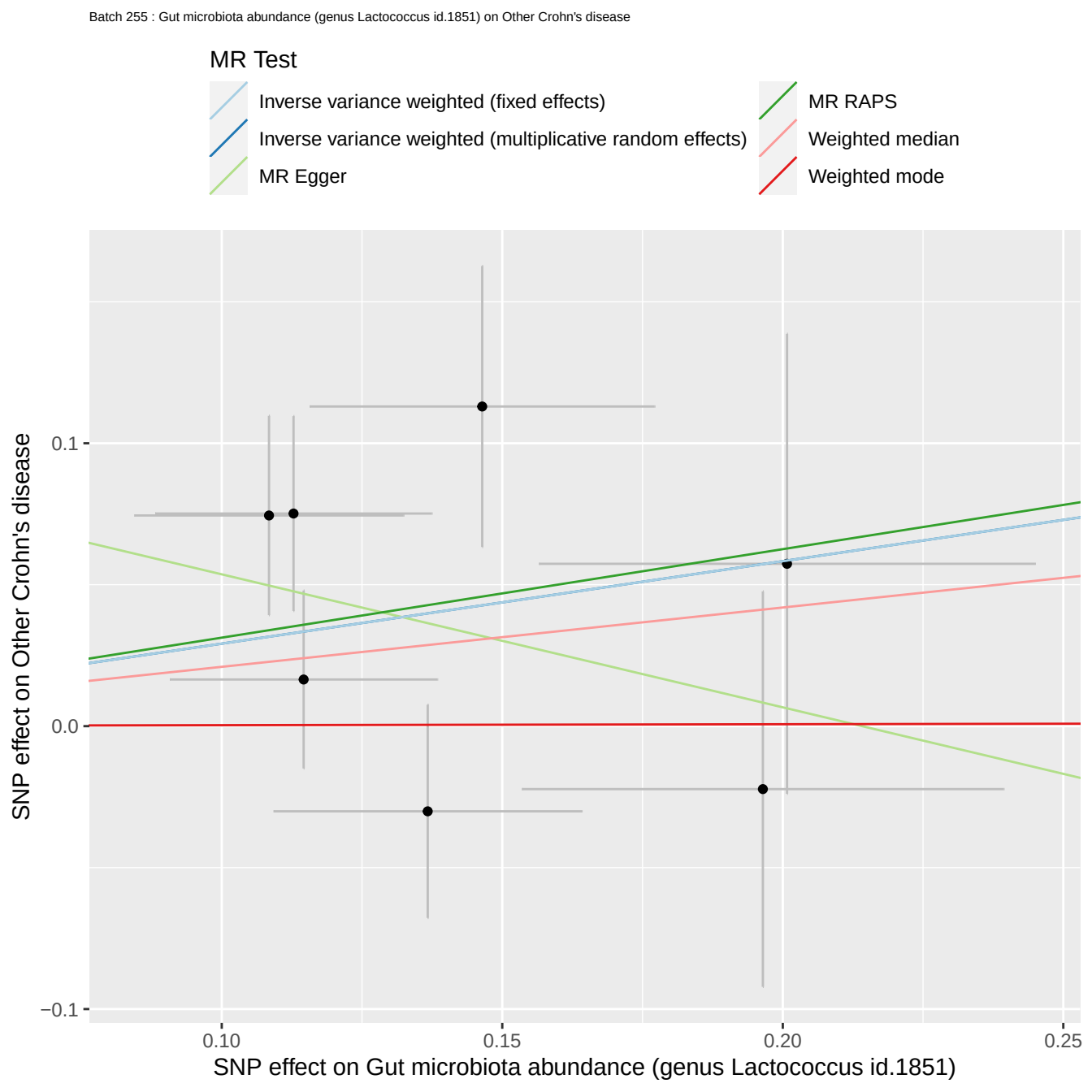
Batch 252 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Other Crohn's disease

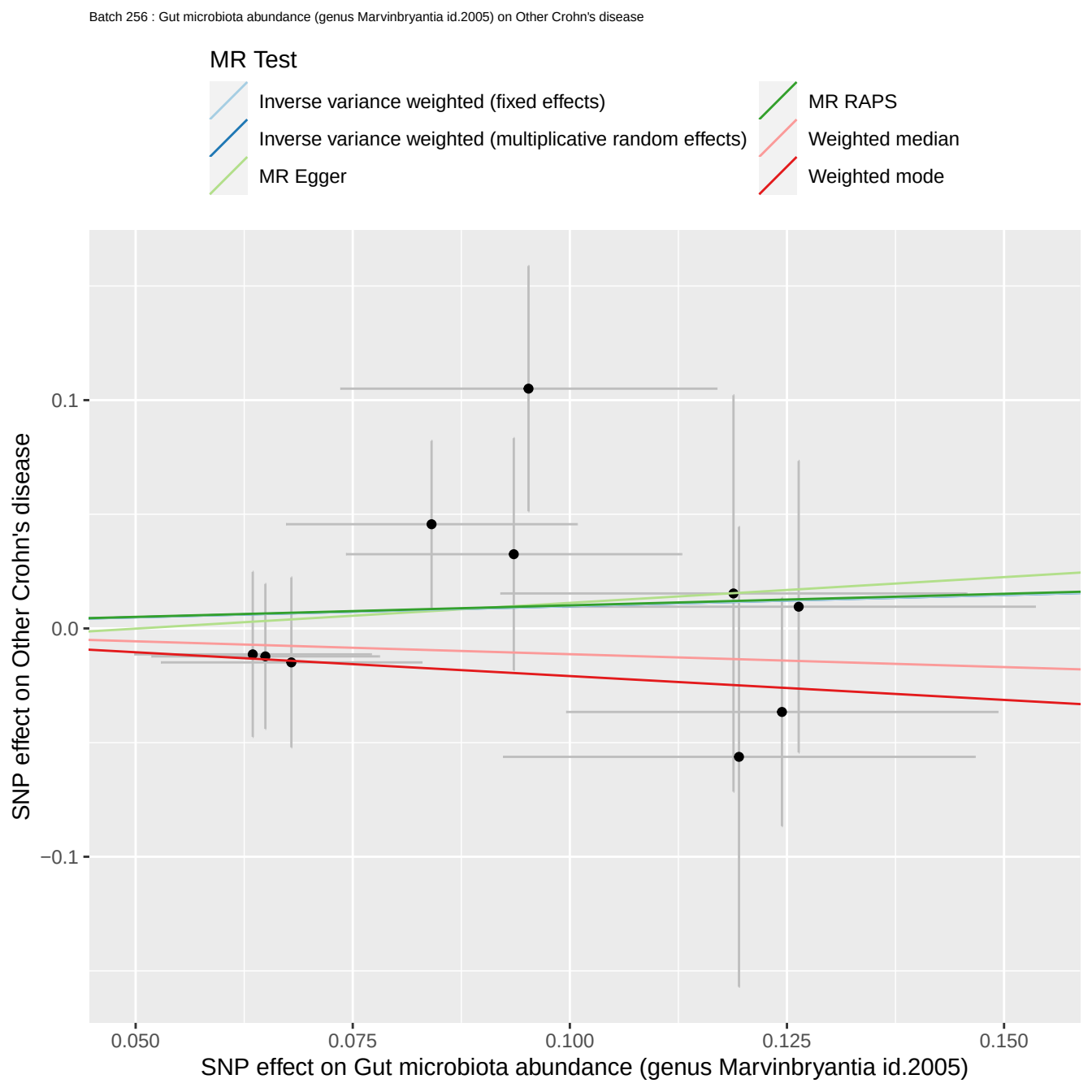


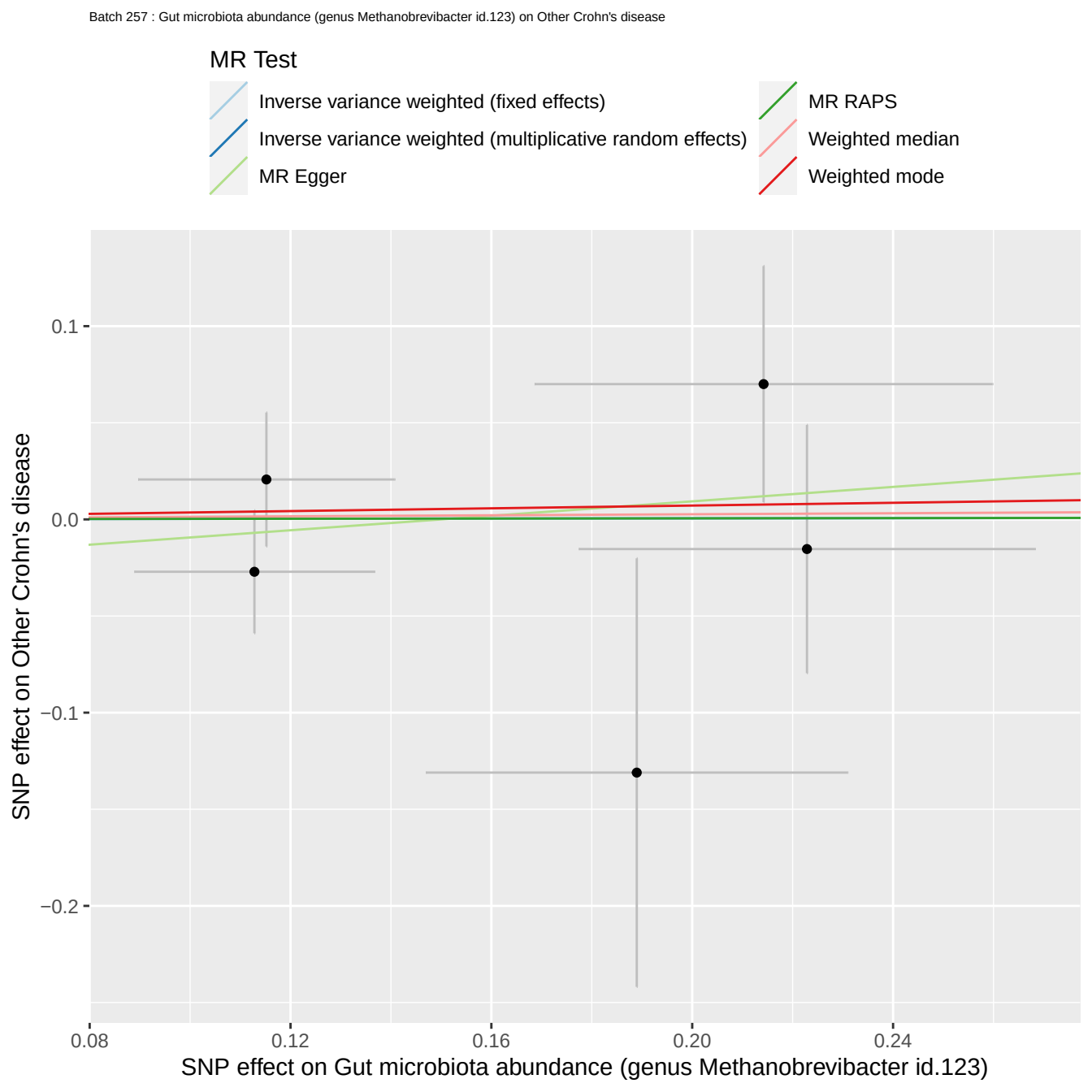
Insufficient number of SNPs

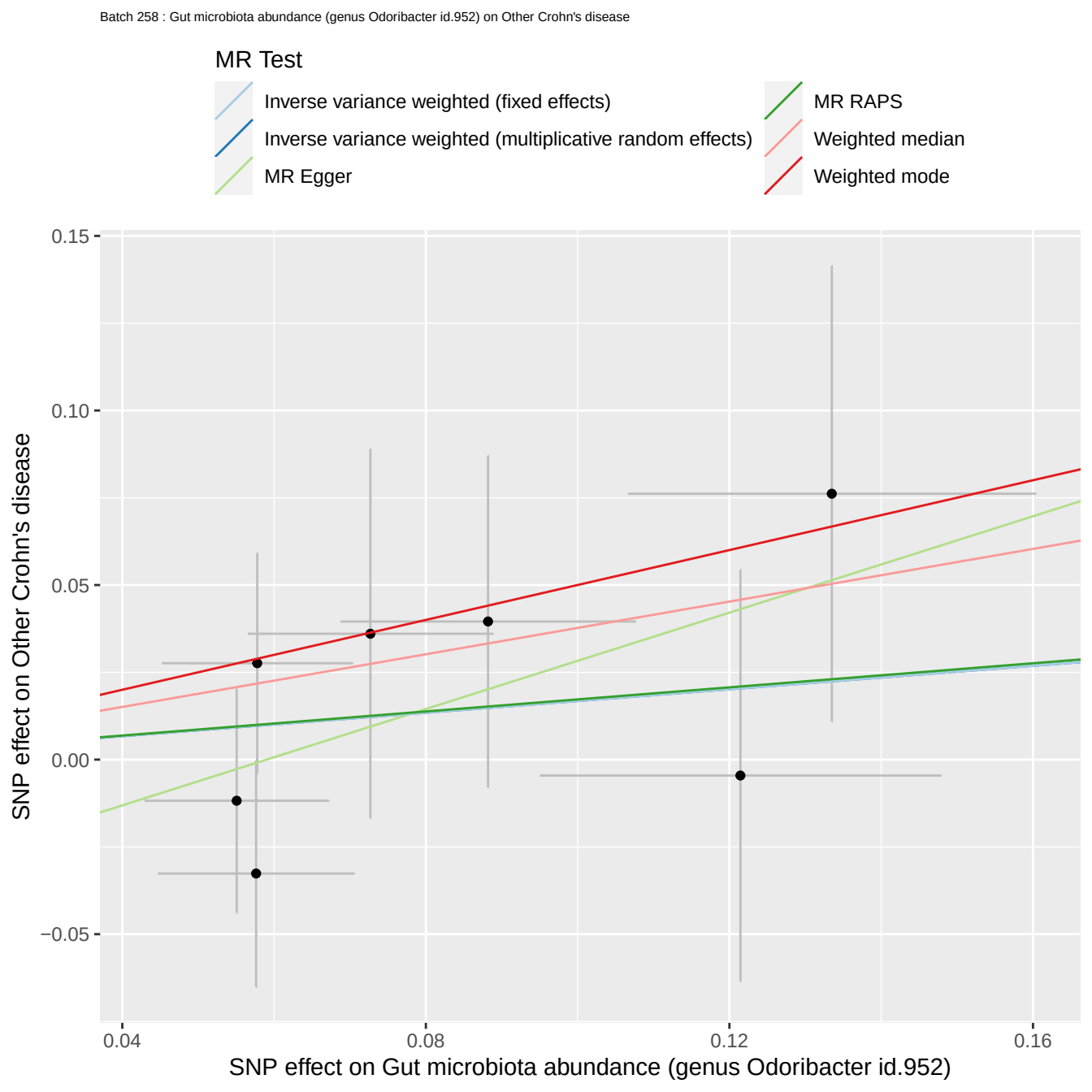

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

Batch 255 : Gut microbiota abundance (genus Lactococcus id.1851) on Other Crohn's disease

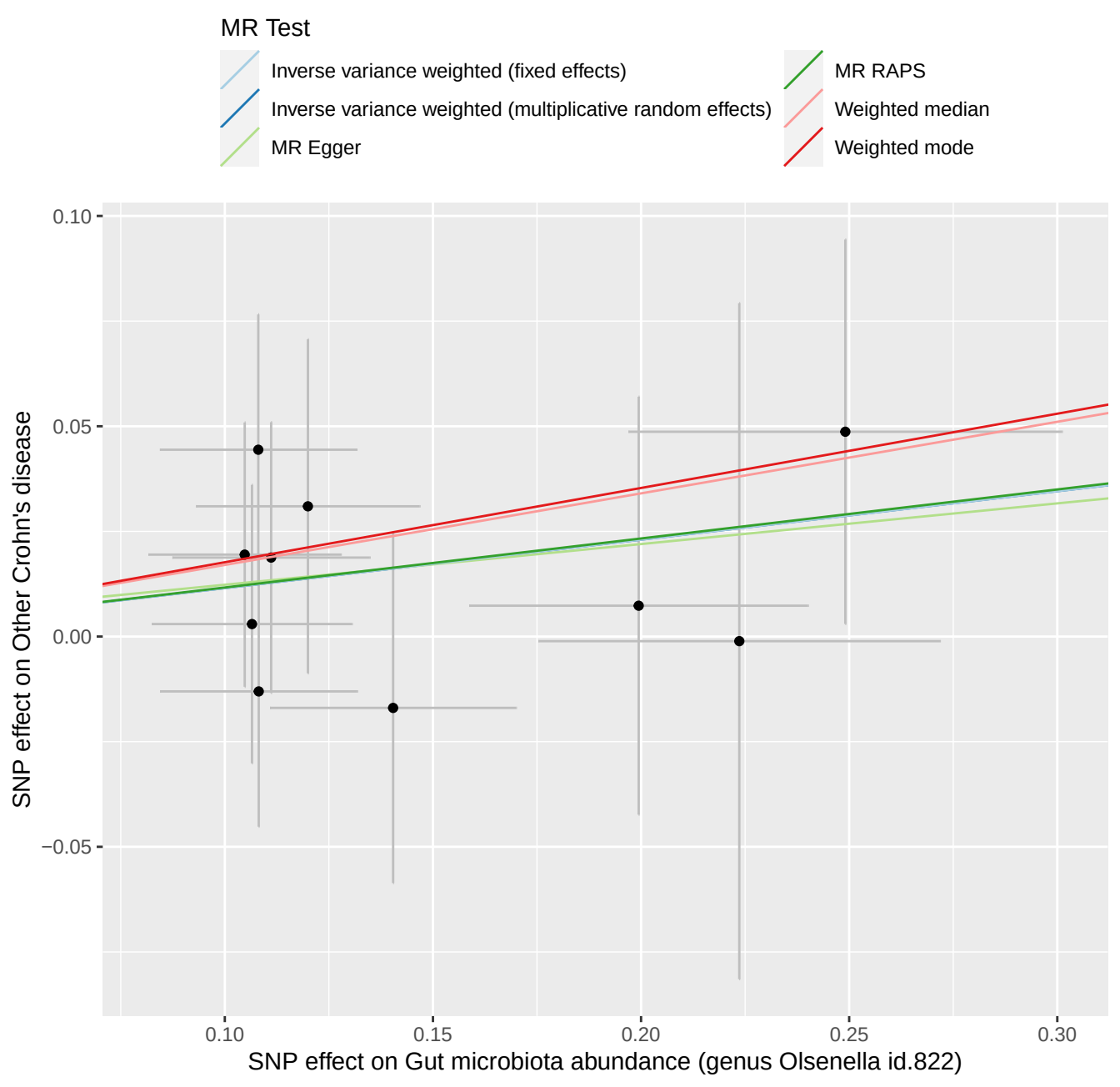


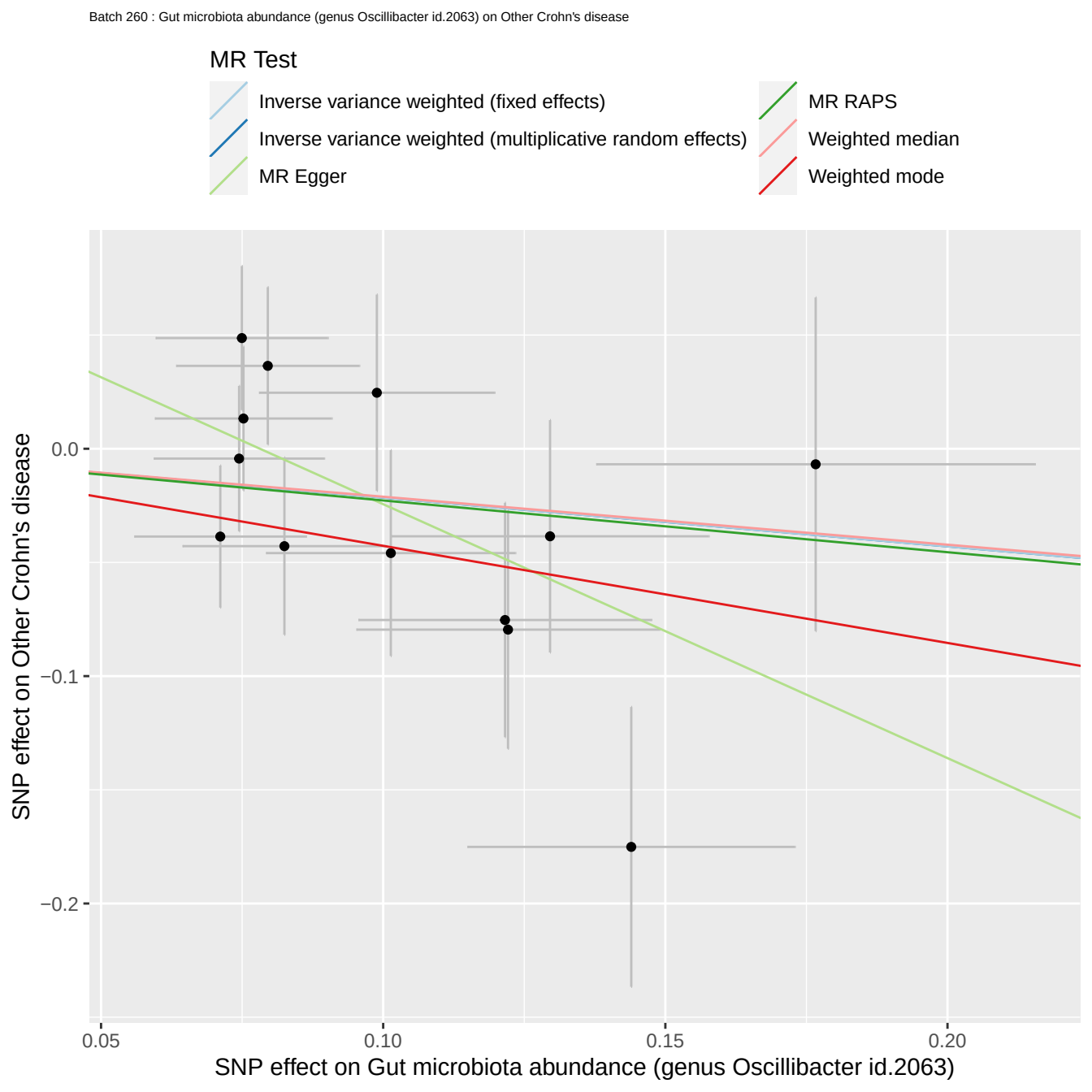

Batch 256 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)


Batch 257 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

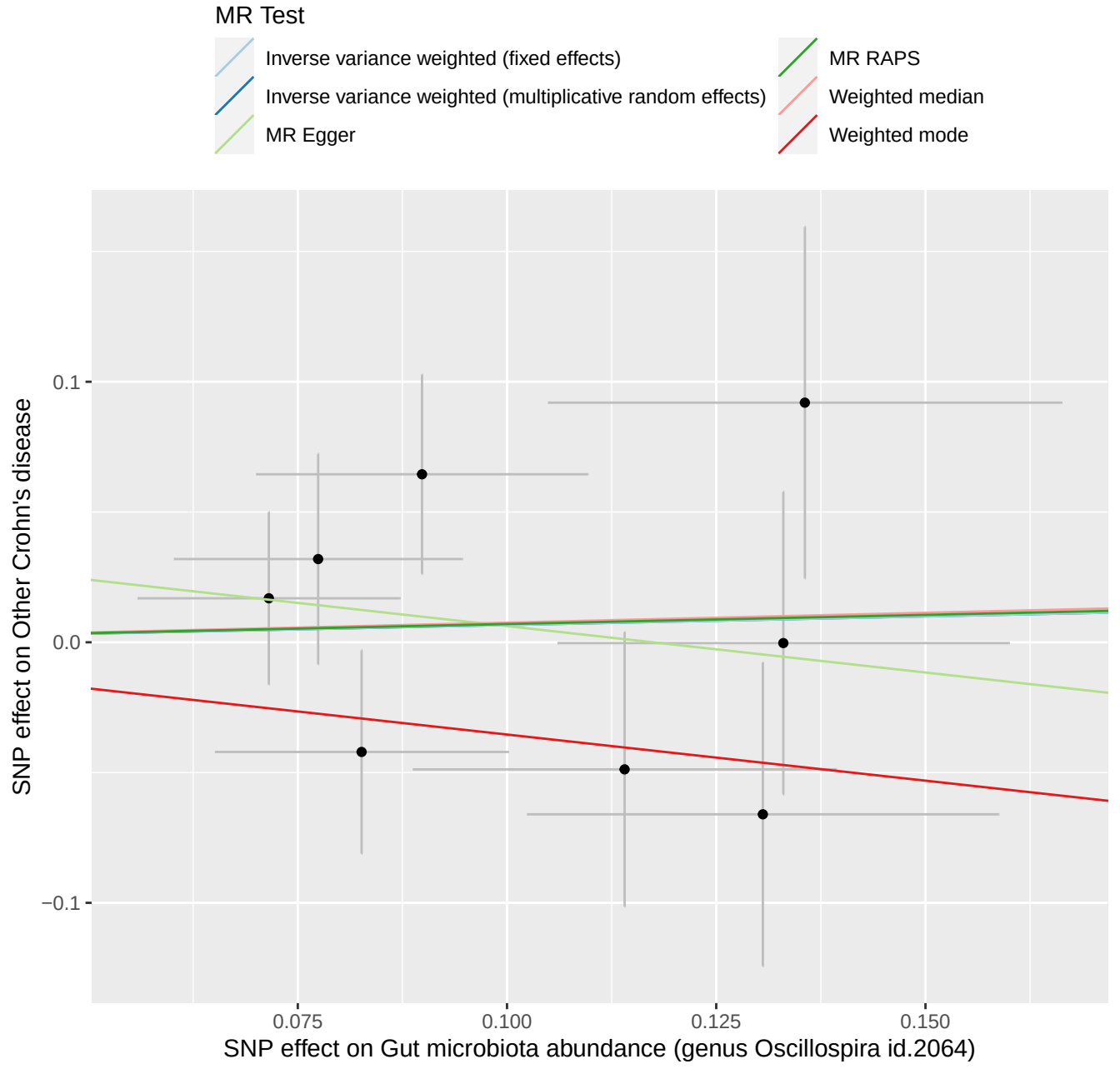

Batch 258 : Gut microbiota abundance (genus Odoribacter id.952) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

Batch 259 : Gut microbiota abundance (genus Olsenella id.822) on Other Crohn's disease

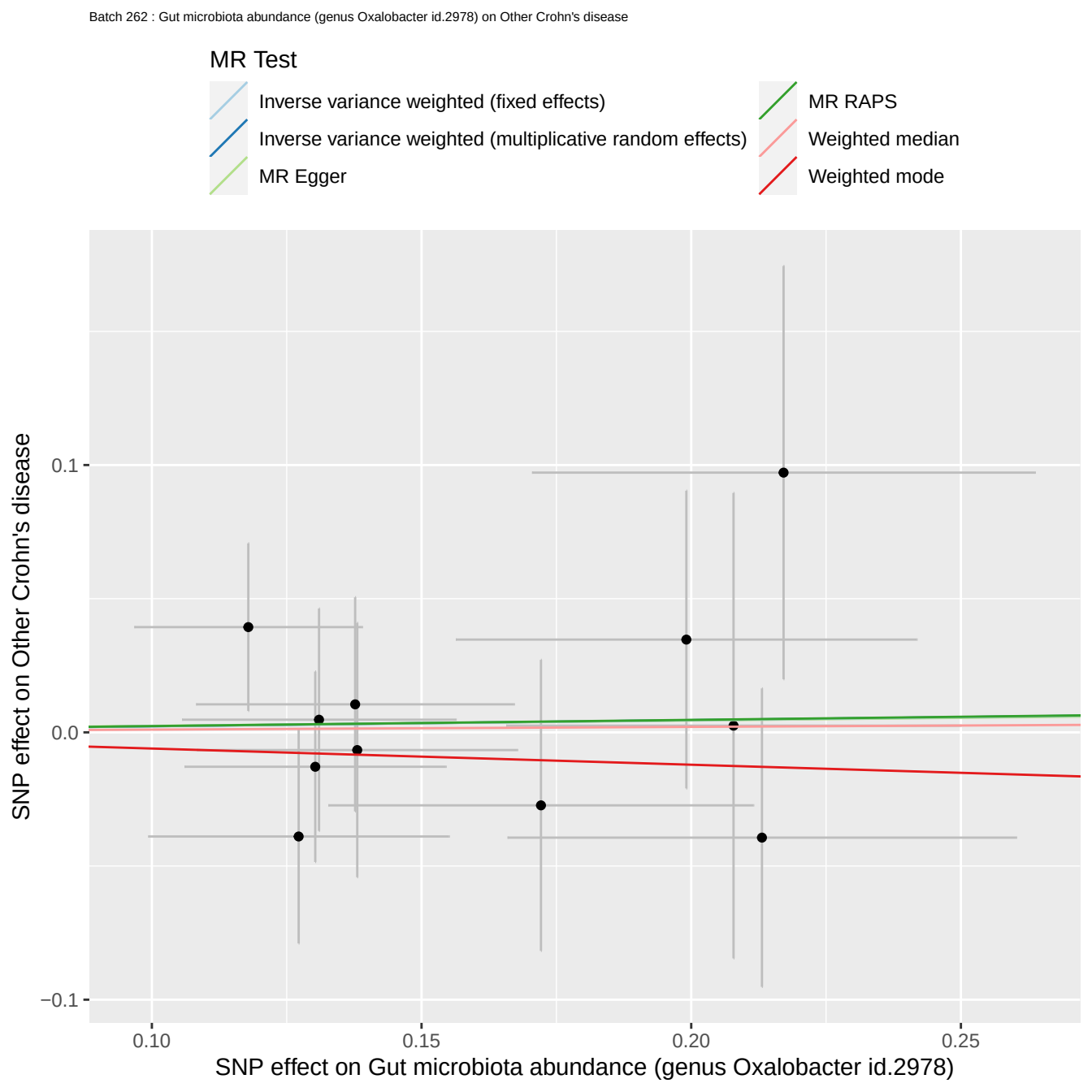


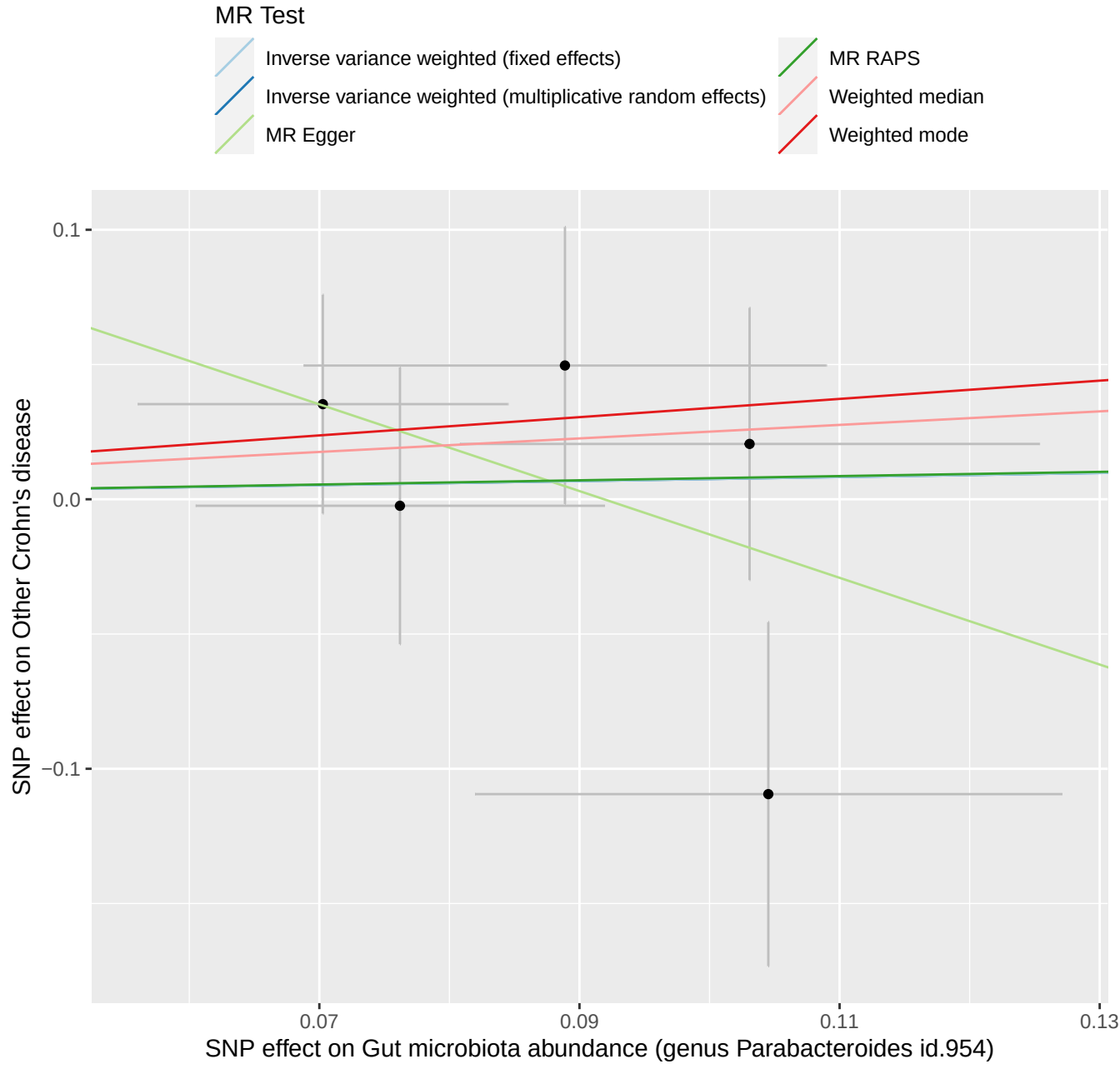

Batch 260 : Gut microbiota abundance (genus Oscillibacter id.2063) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

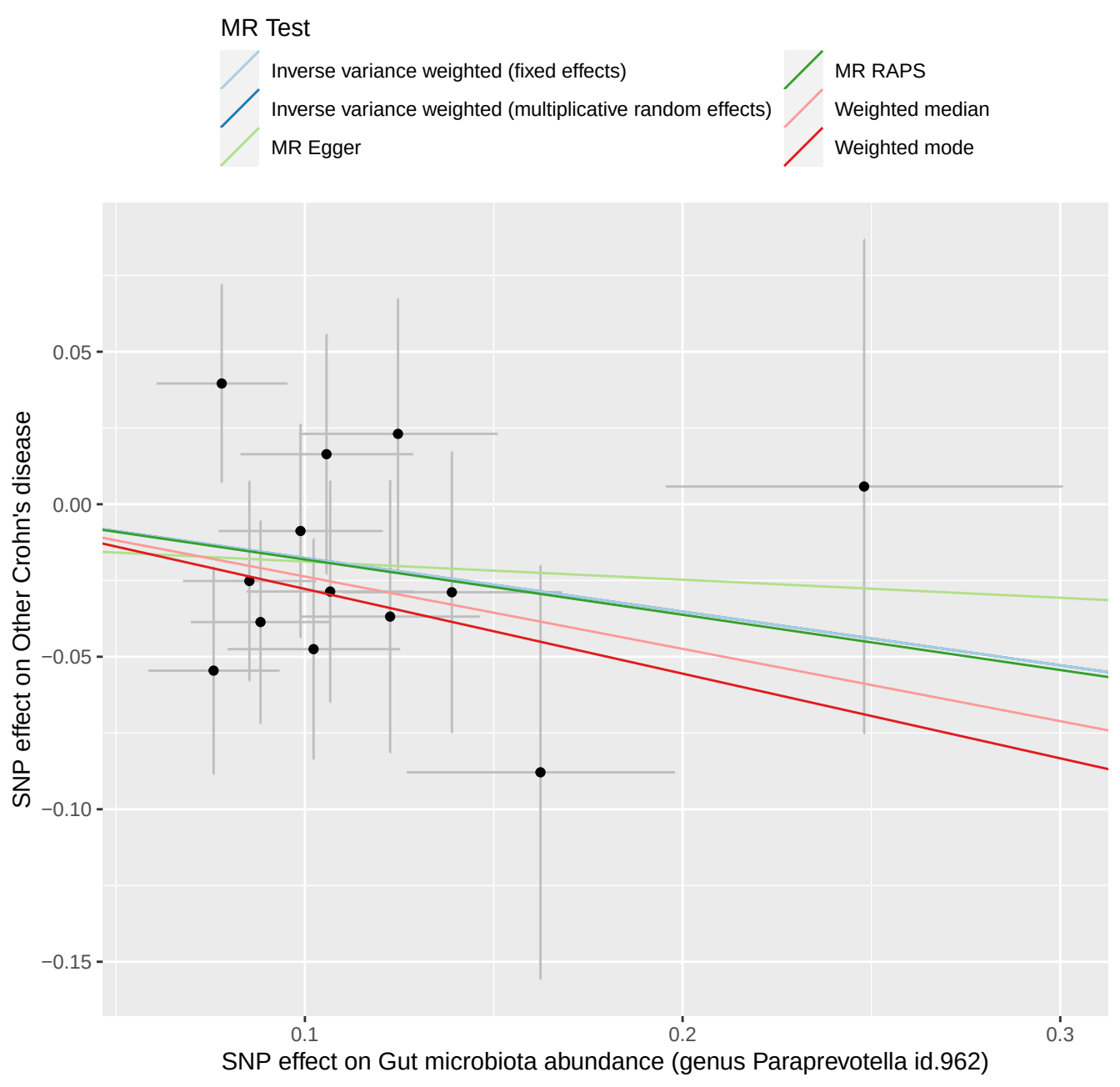
Batch 261 : Gut microbiota abundance (genus Oscillospira id.2064) on Other Crohn's disease

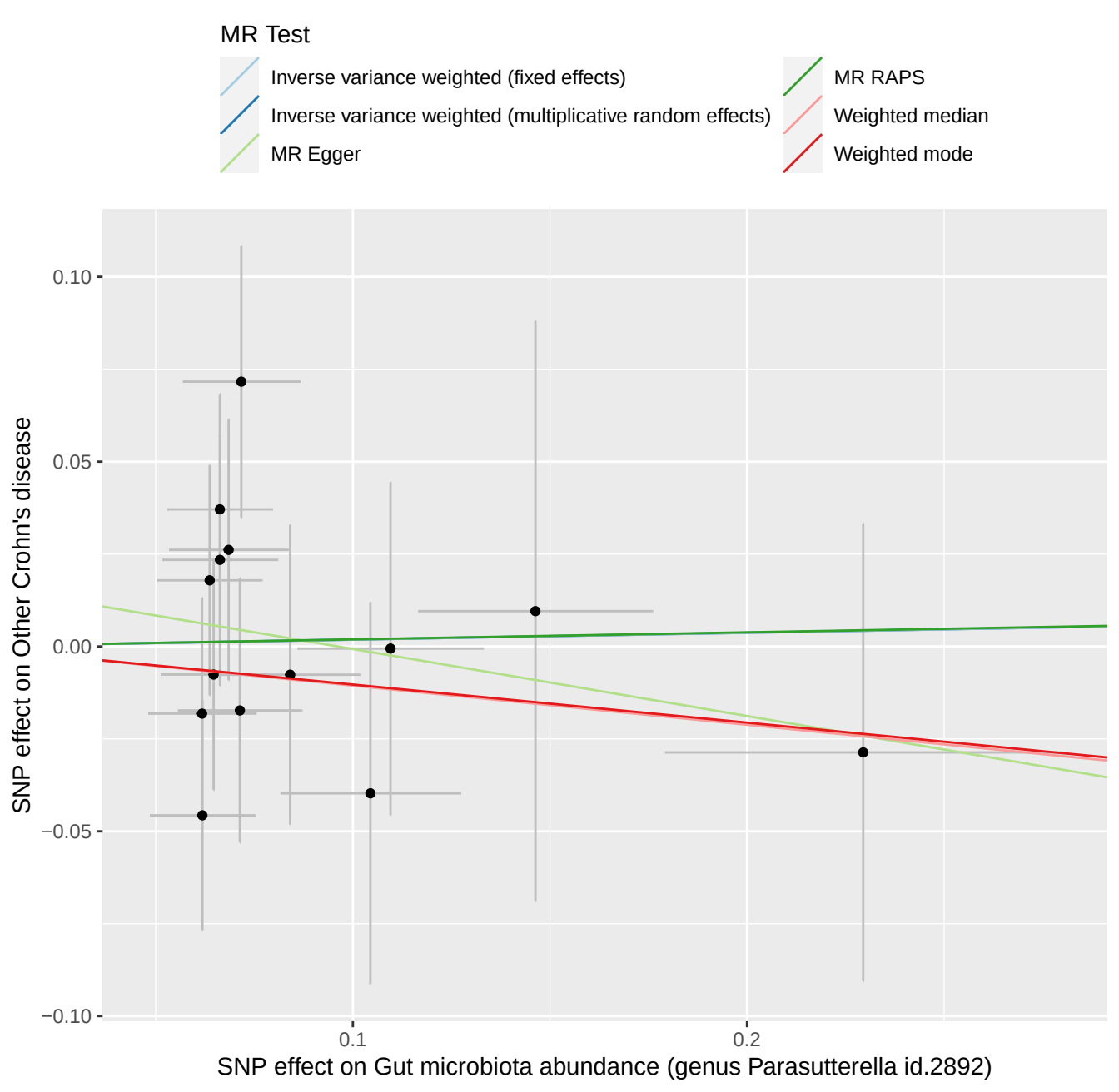


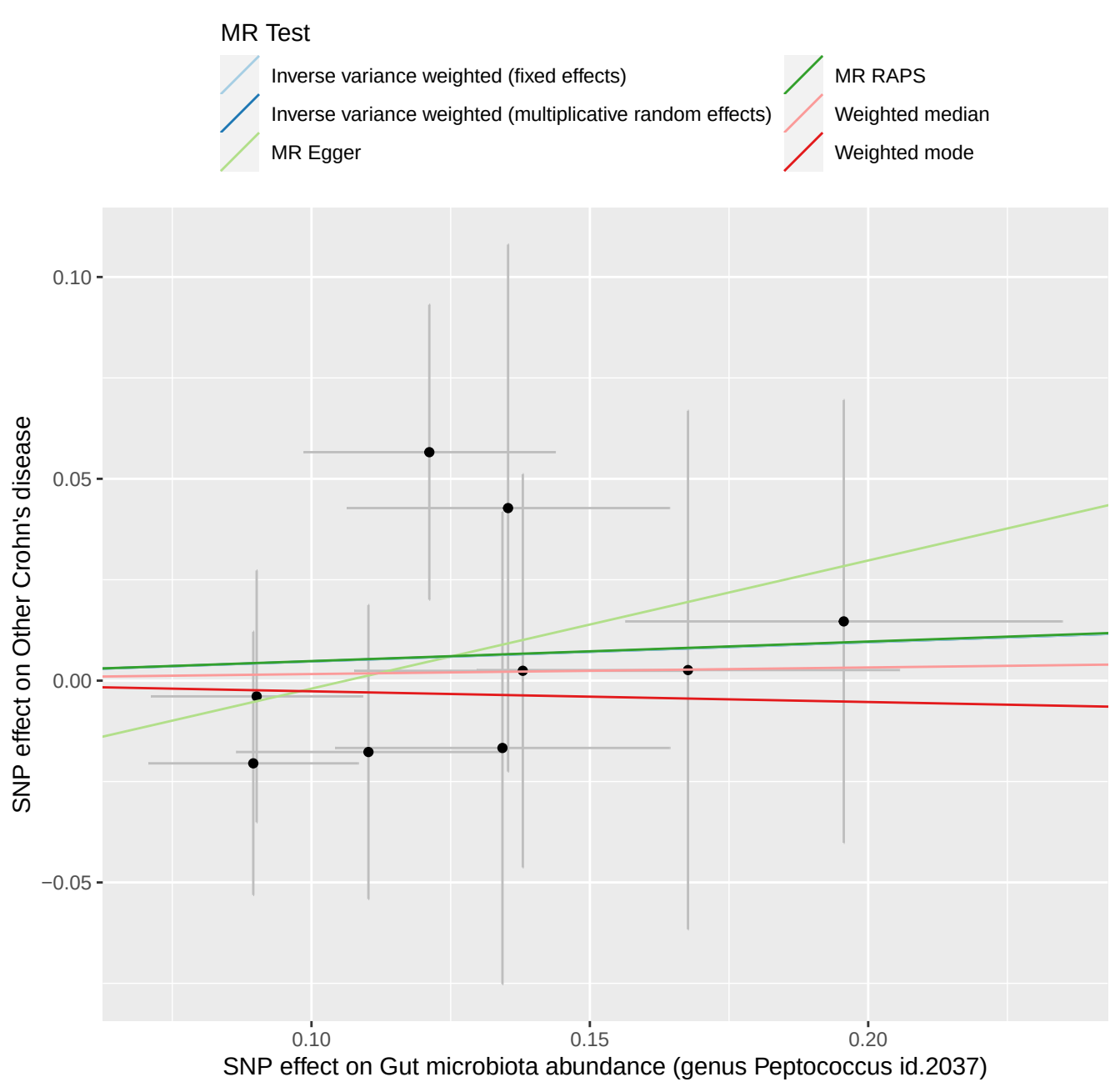
Batch 262 : Gut microbiota abundance (genus Oxalobacter id.2978) on Other Crohn's disease

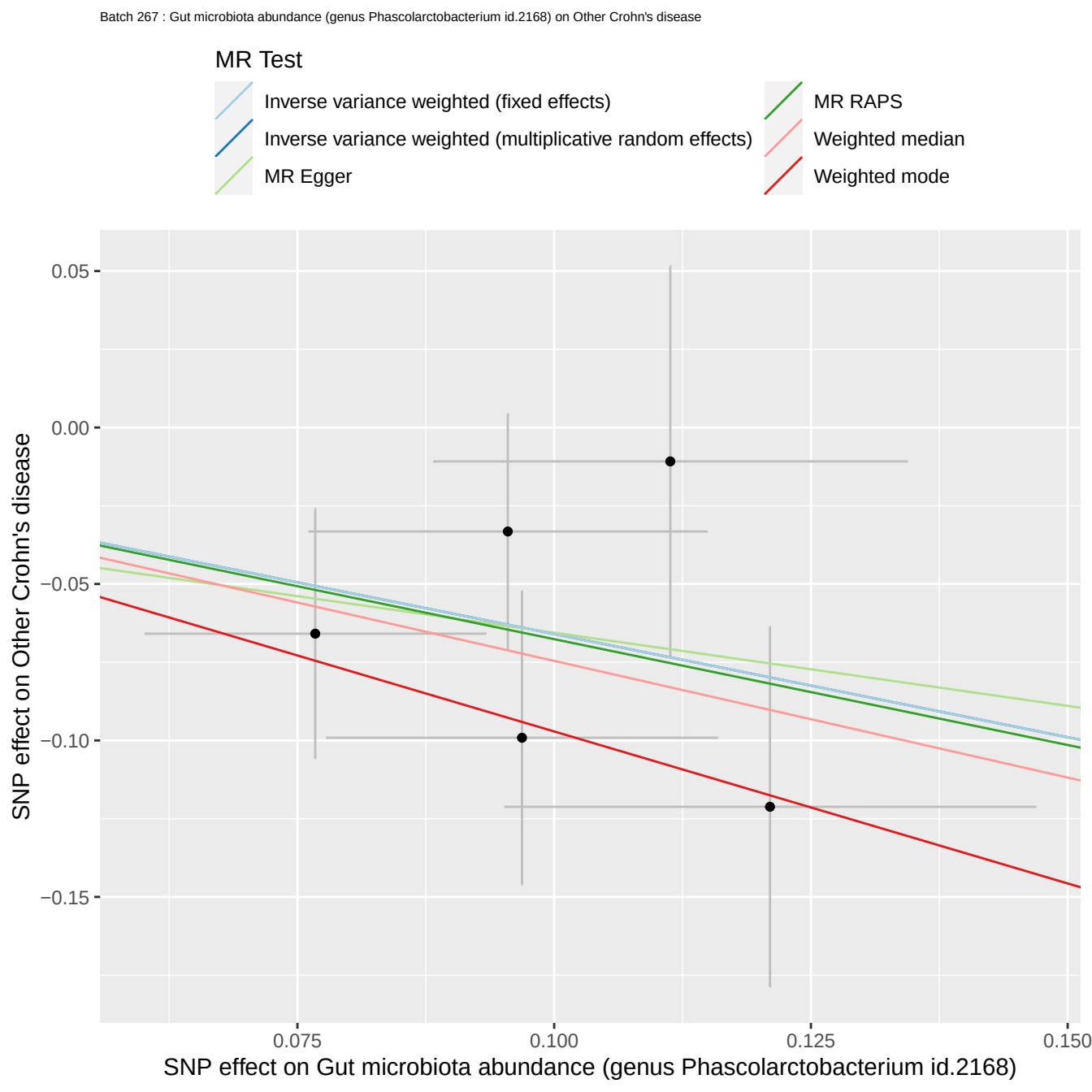



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other Crohn's disease
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

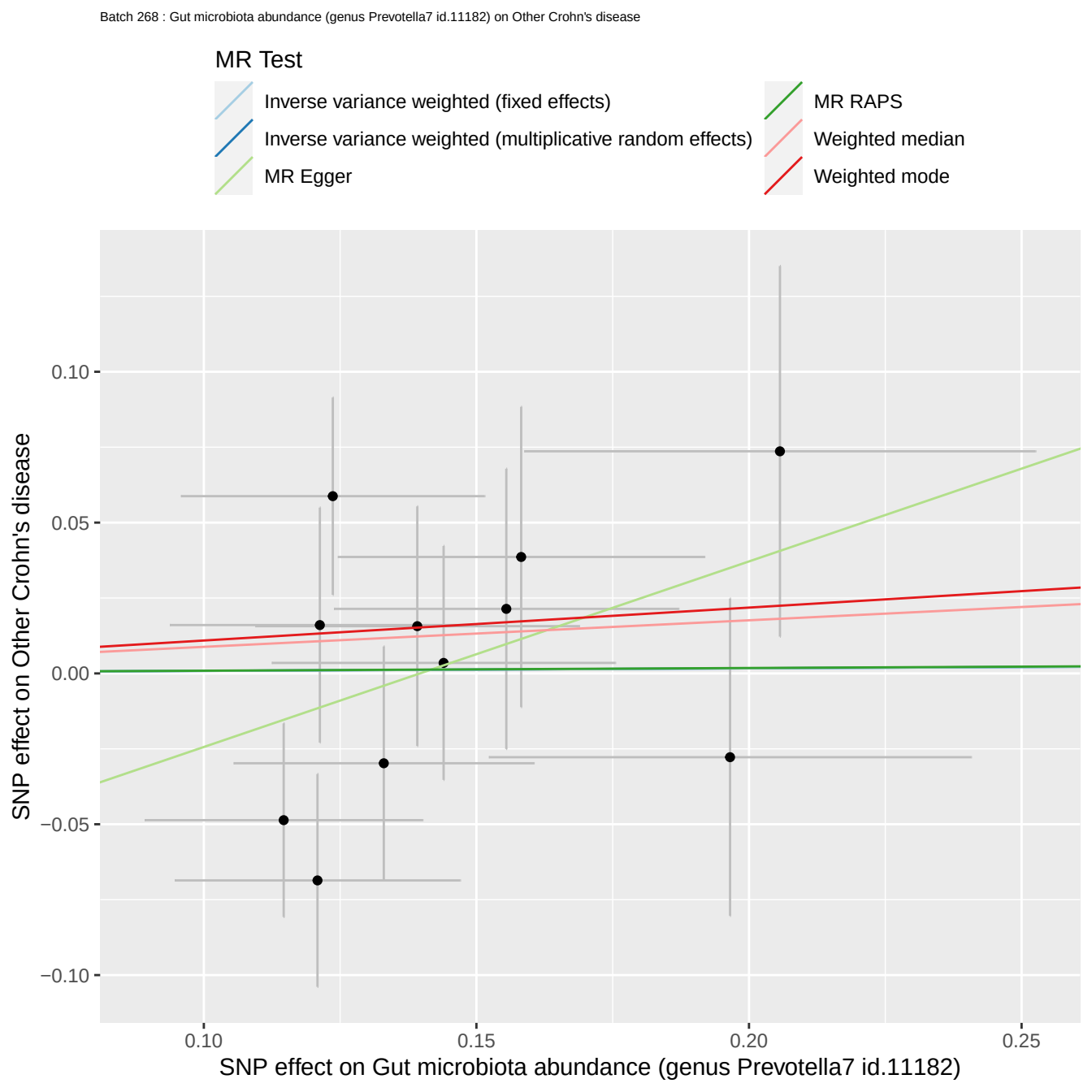

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Other Crohn's disease
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

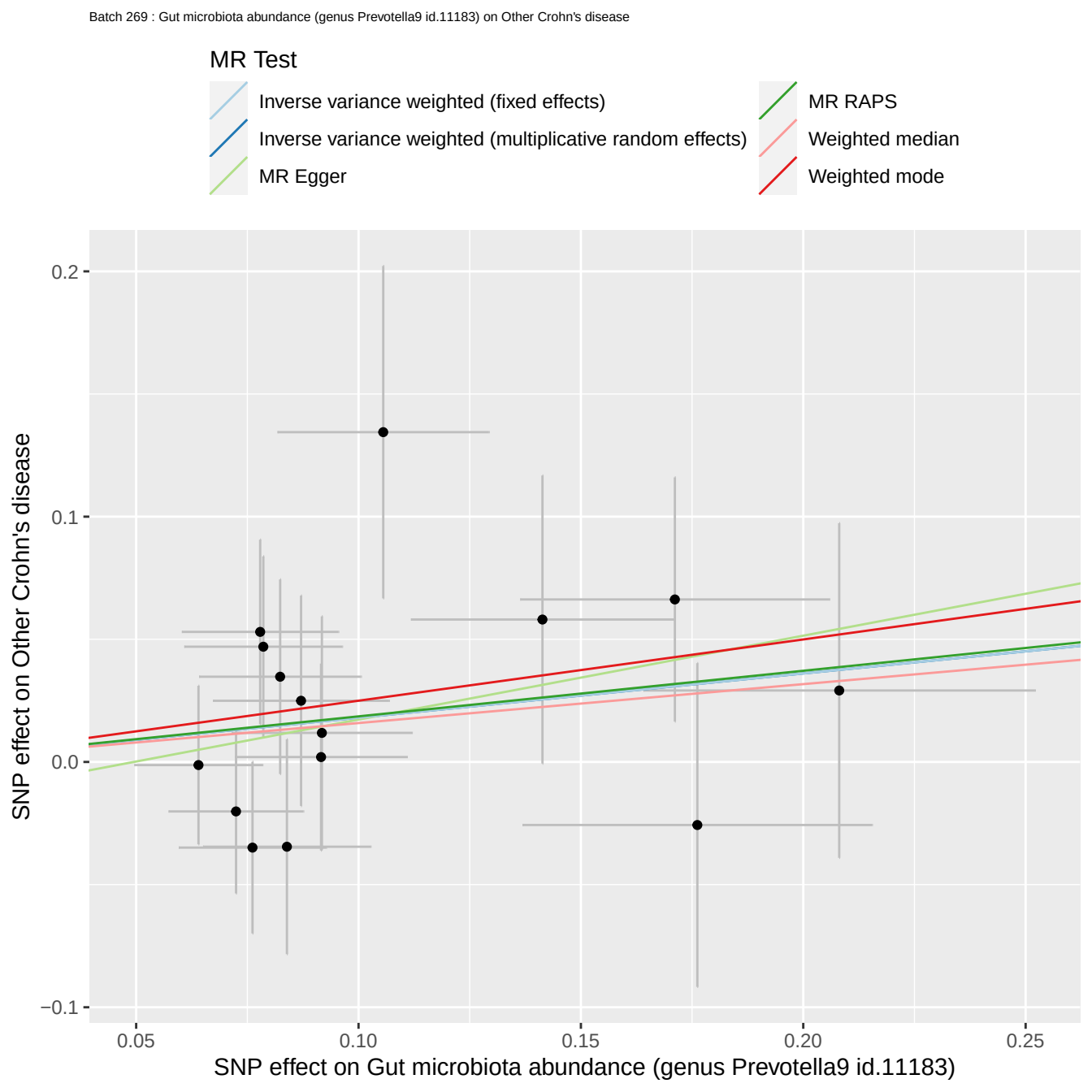

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
0.1
0.2
SNP effect on Other Crohn's disease
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

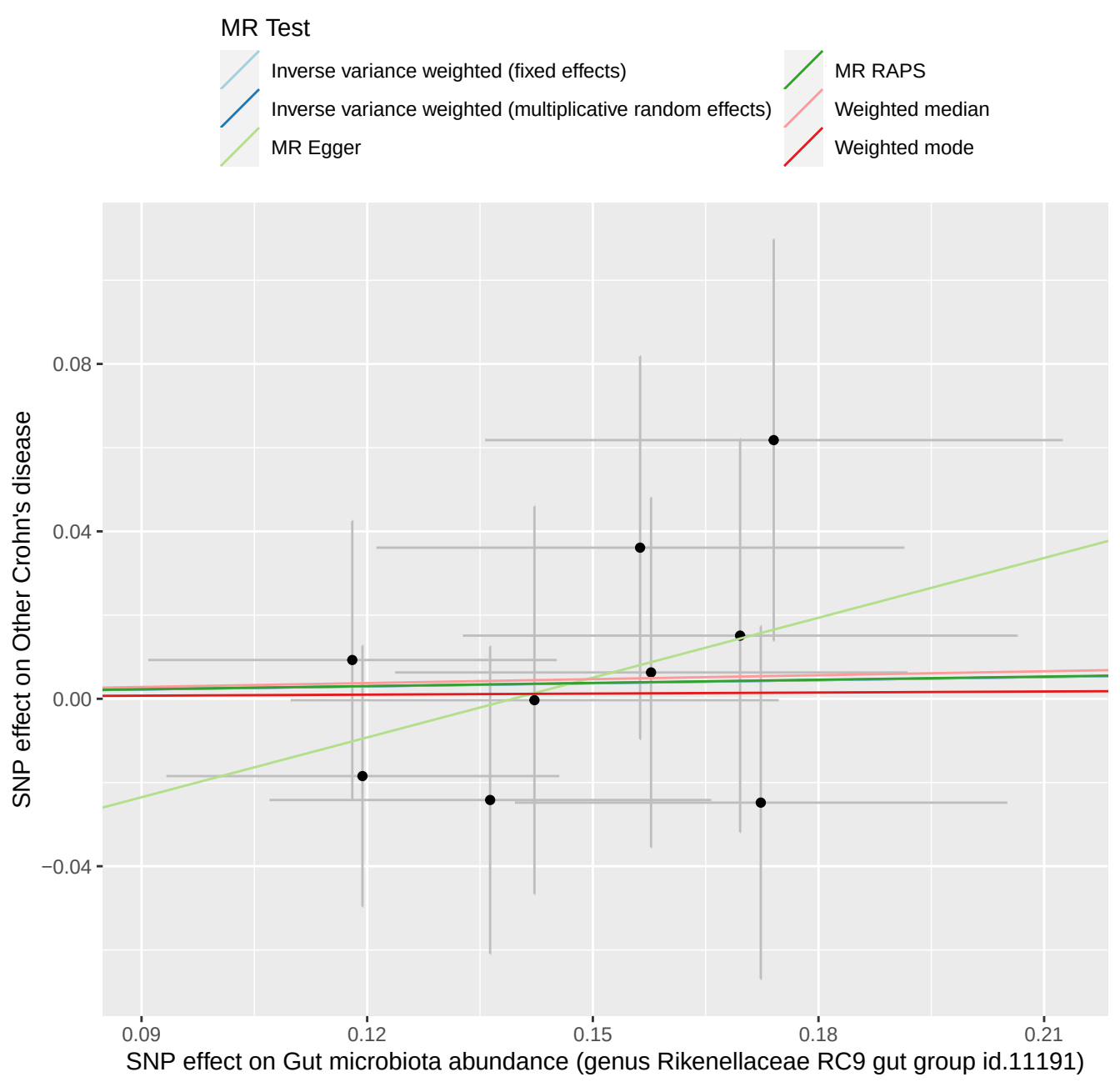

Batch 267 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Other Crohn's disease
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

Batch 268 : Gut microbiota abundance (genus Prevotella7 id.11182) on Other Crohn's disease

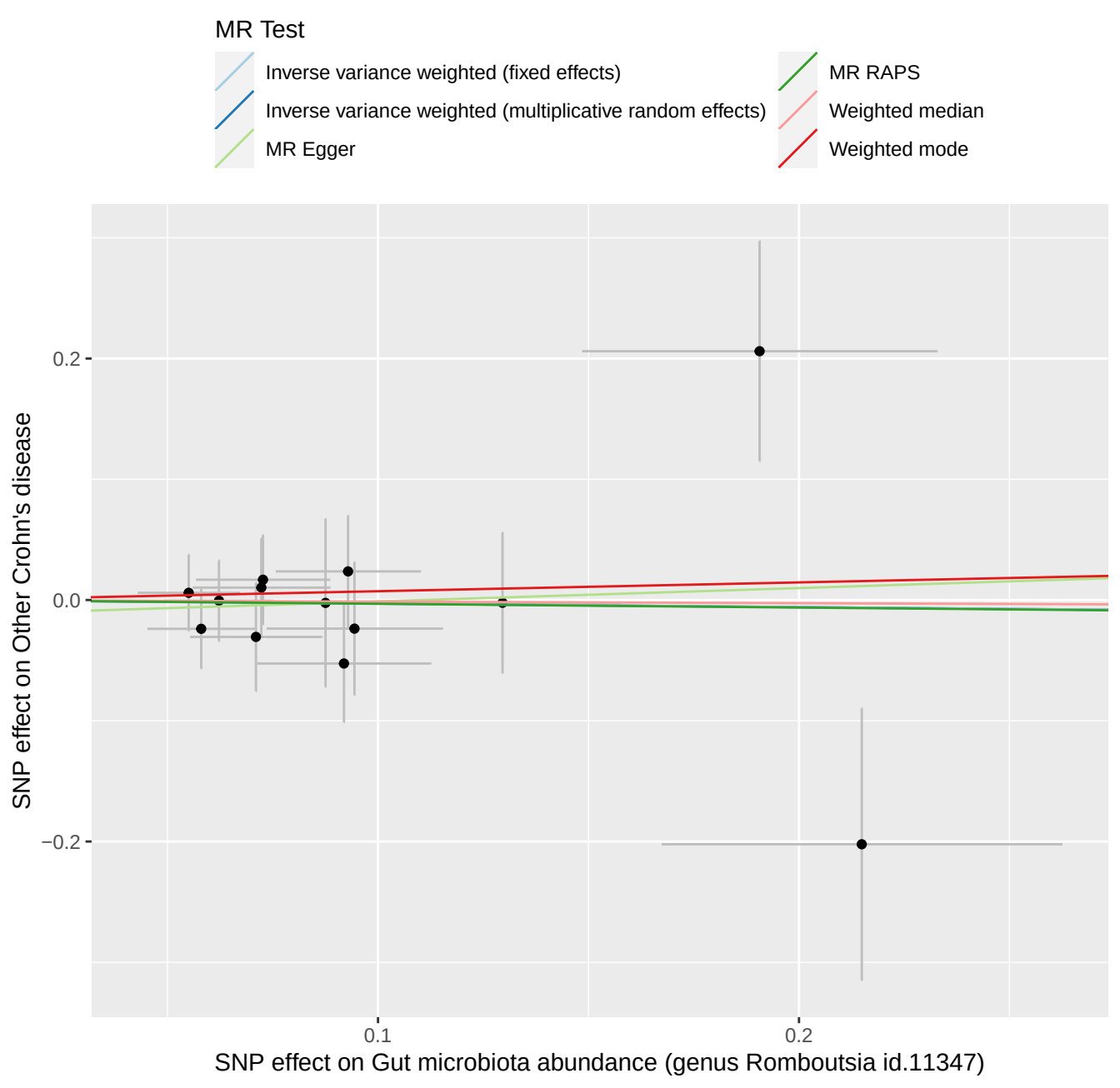


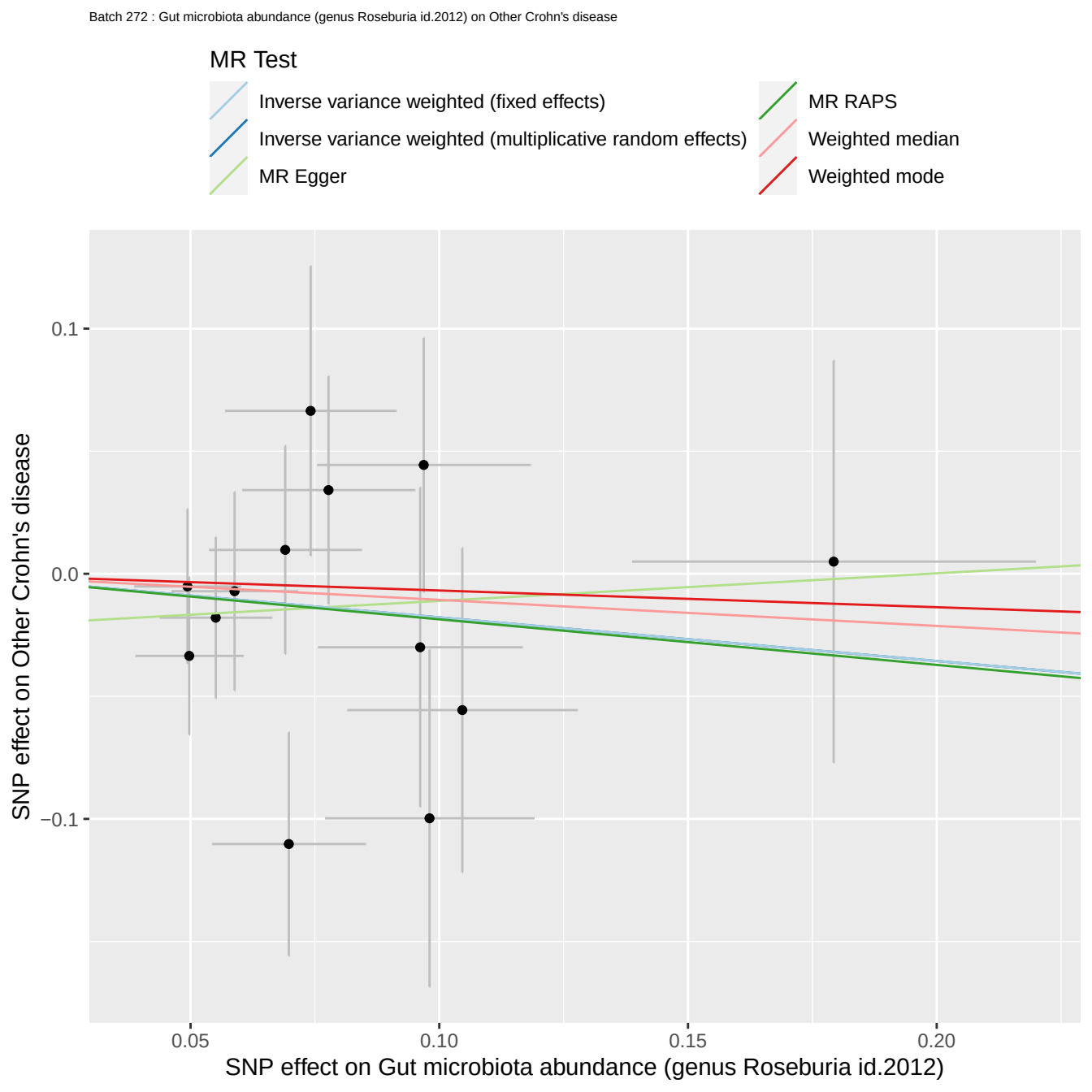

Batch 269 : Gut microbiota abundance (genus Prevotella9 id.11183) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

Batch 270 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Other Crohn's disease

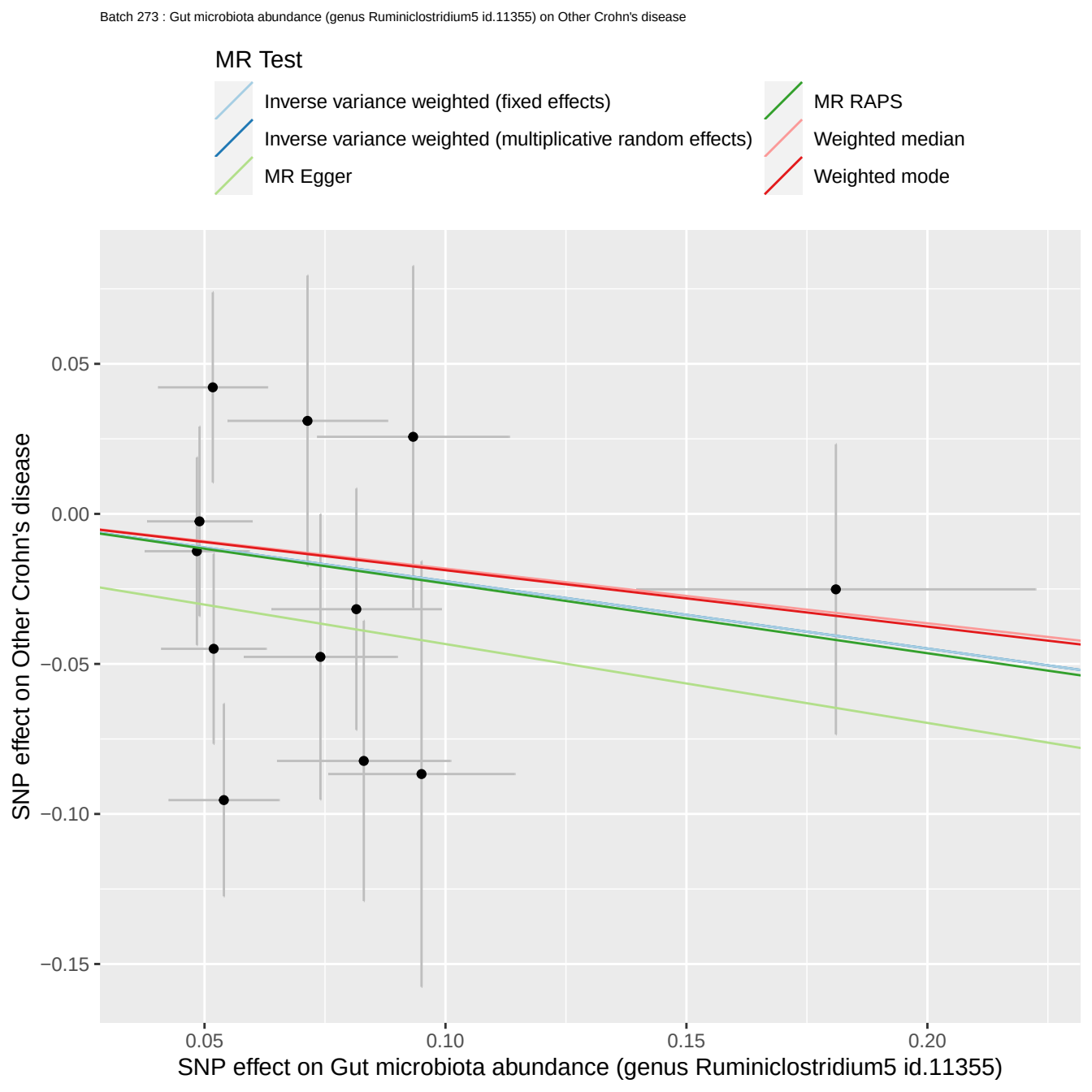


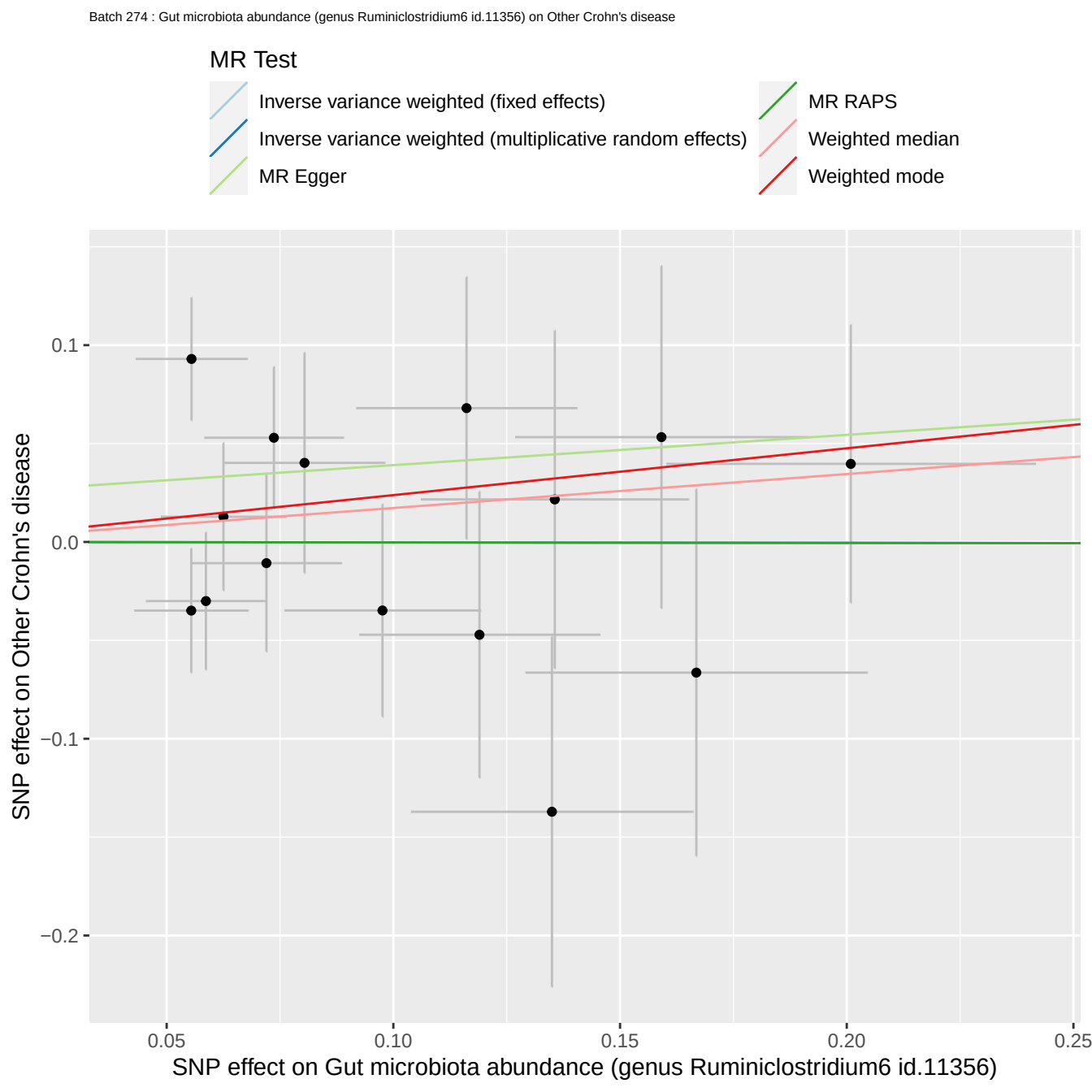
Batch 271 : Gut microbiota abundance (genus Romboutsia id.11347) on Other Crohn's disease

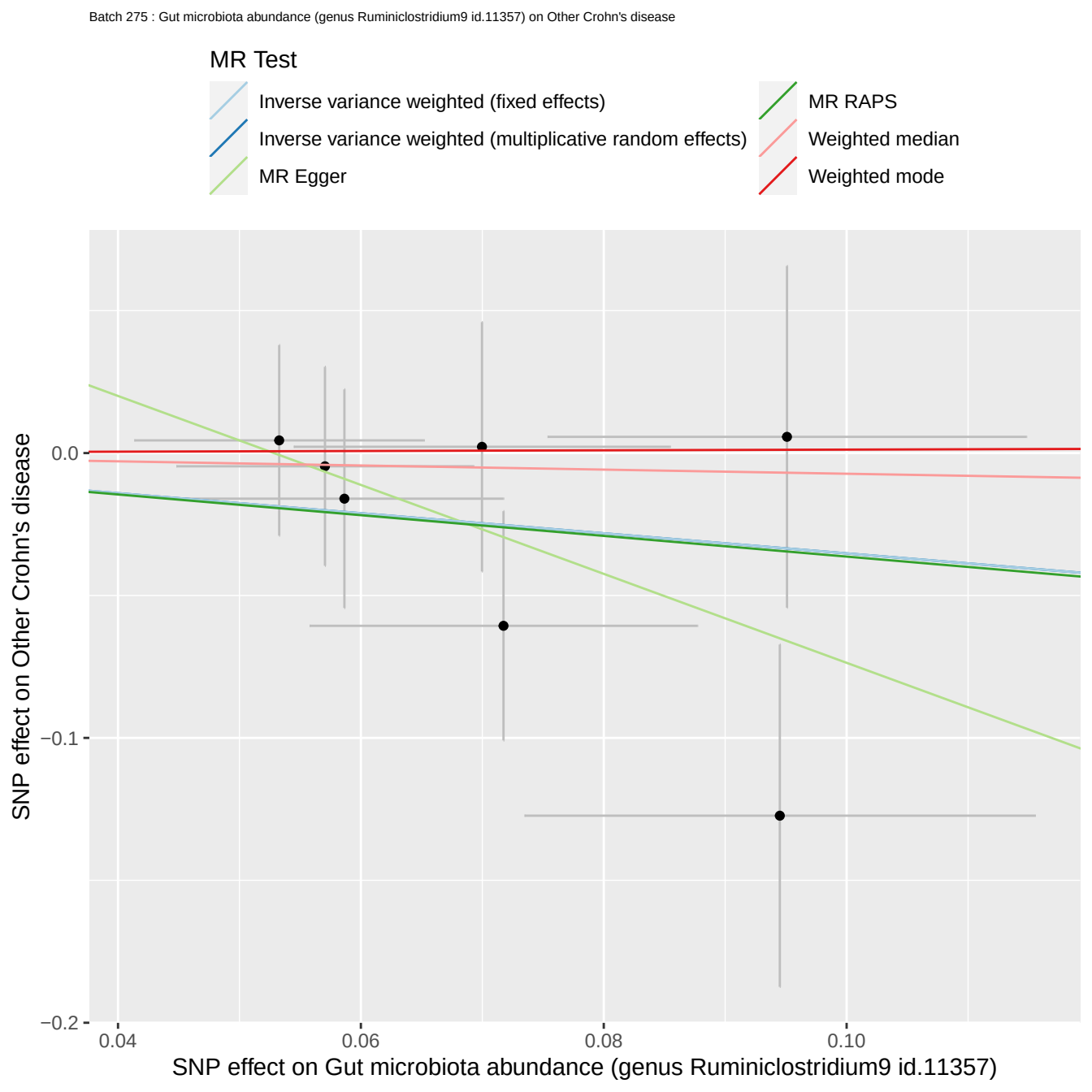


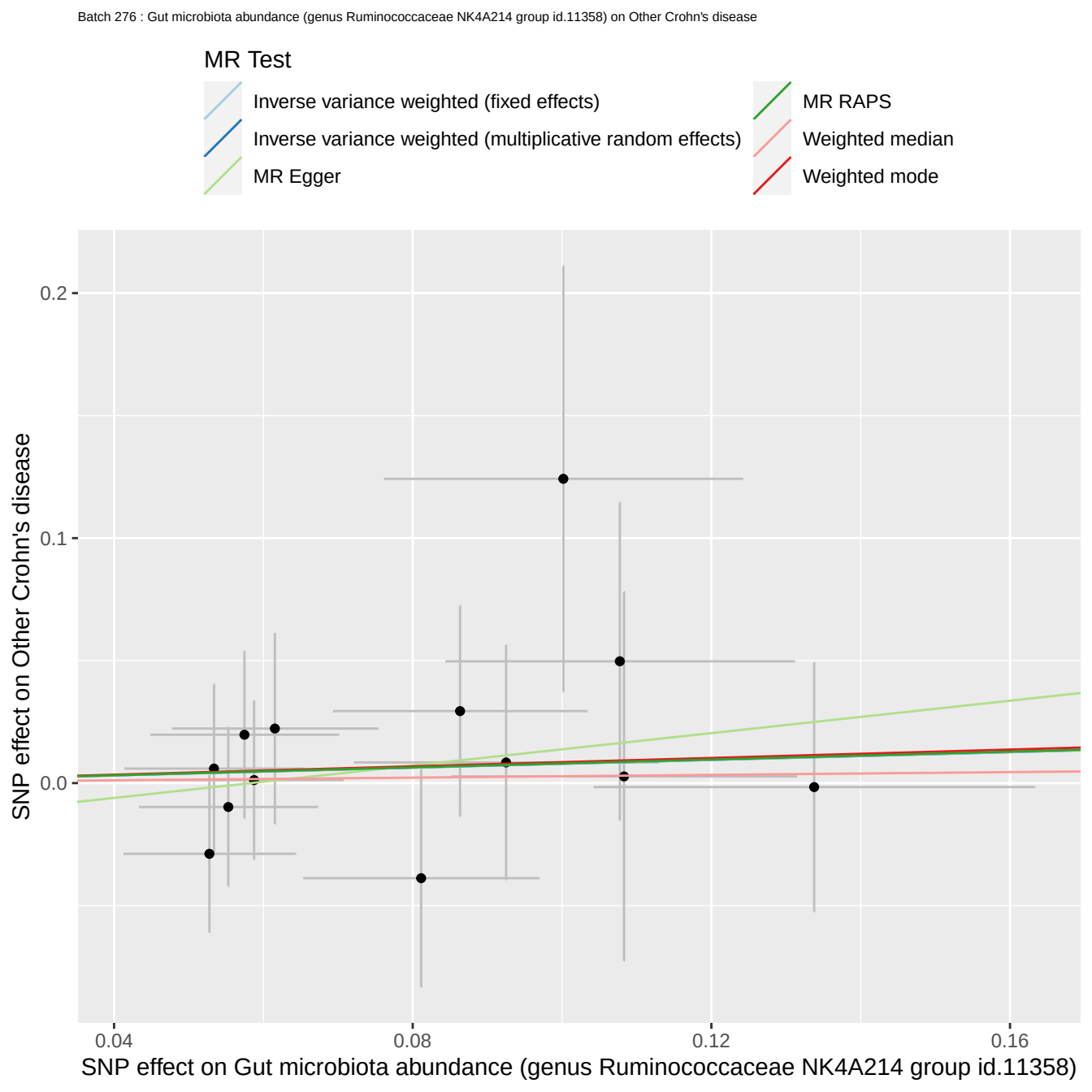

Batch 272 : Gut microbiota abundance (genus Roseburia id.2012) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

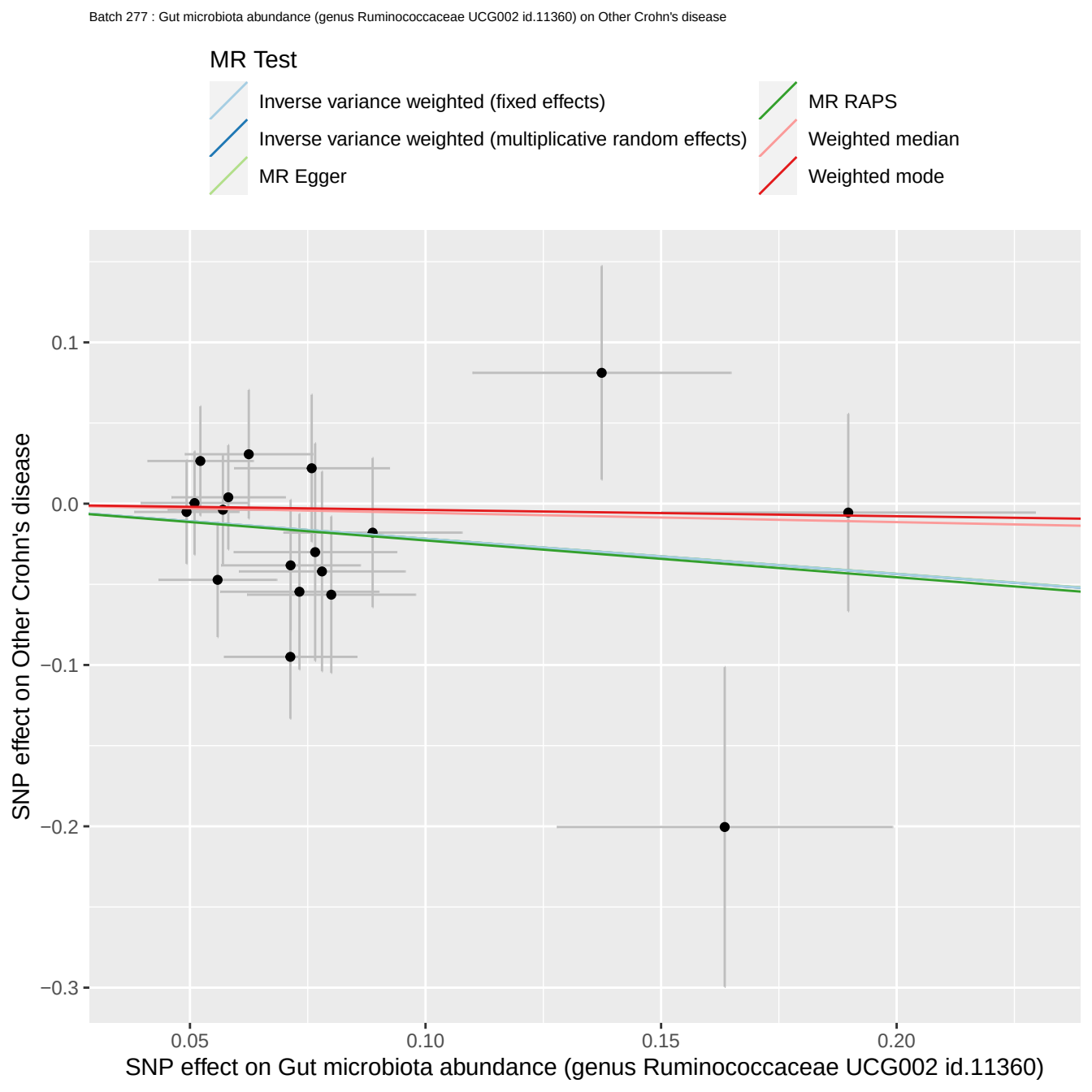
Batch 273 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Other Crohn's disease

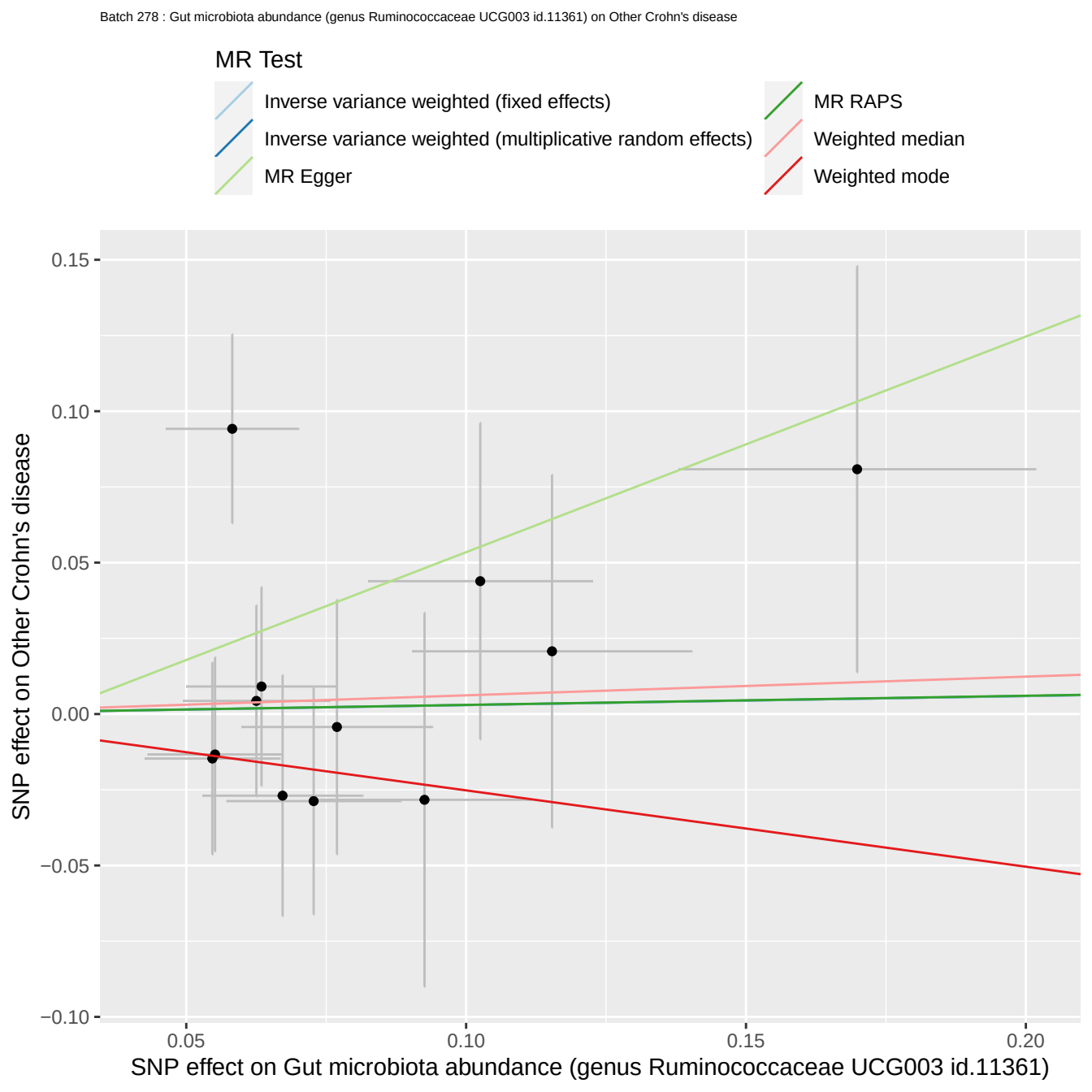



Batch 274 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

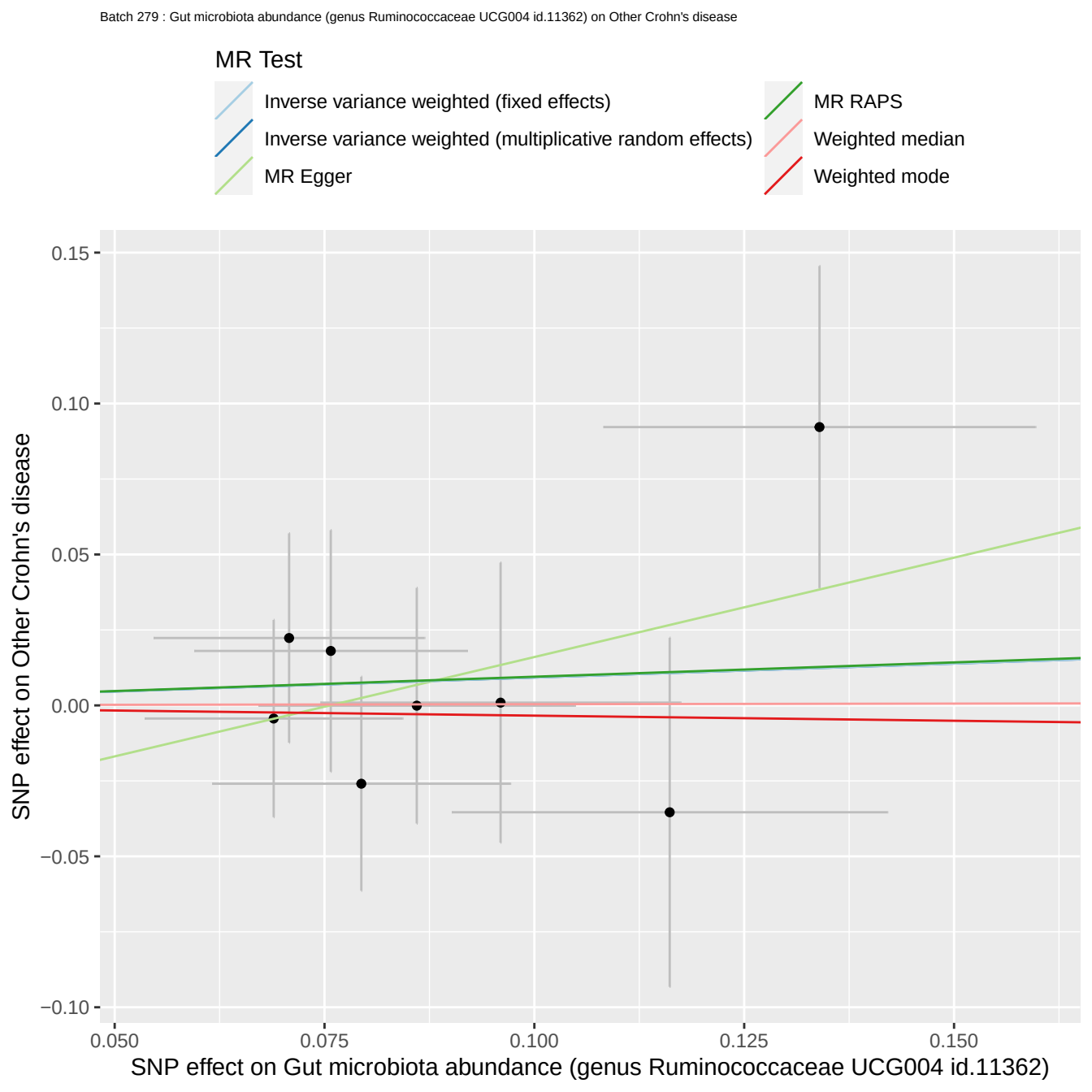

Batch 275 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

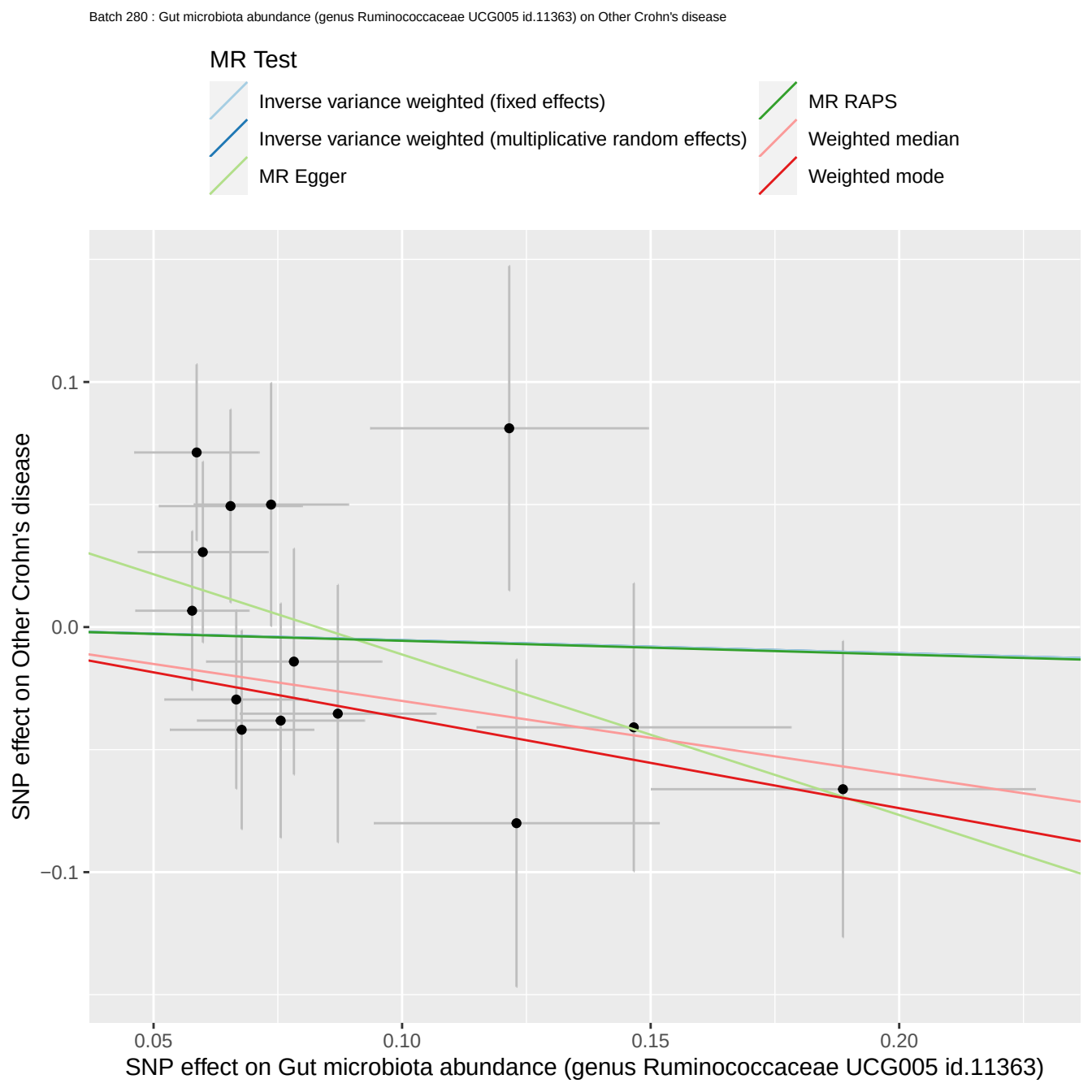

Batch 276 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
SNP effect on Other Crohn's disease
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)


Batch 277 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

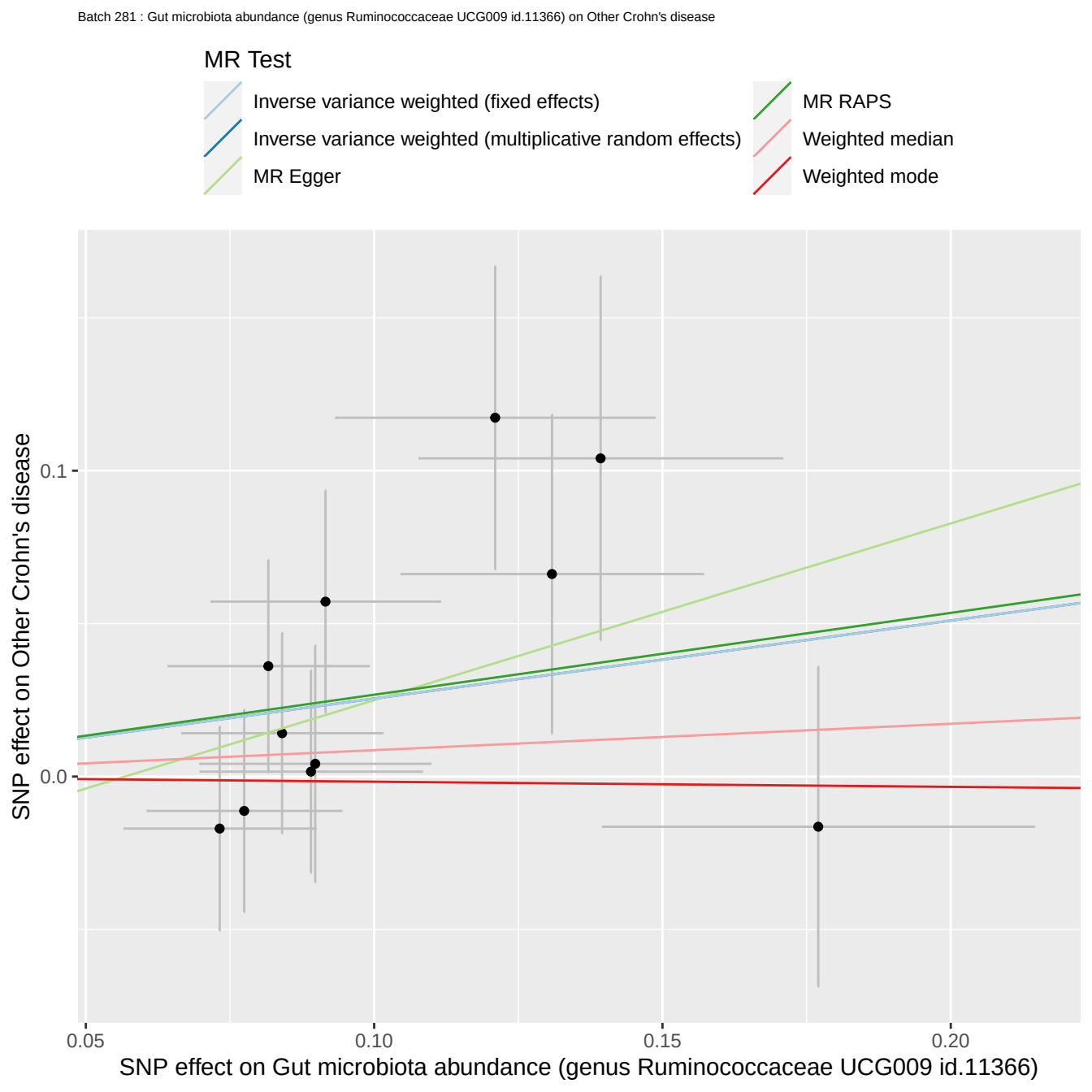

Batch 278 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

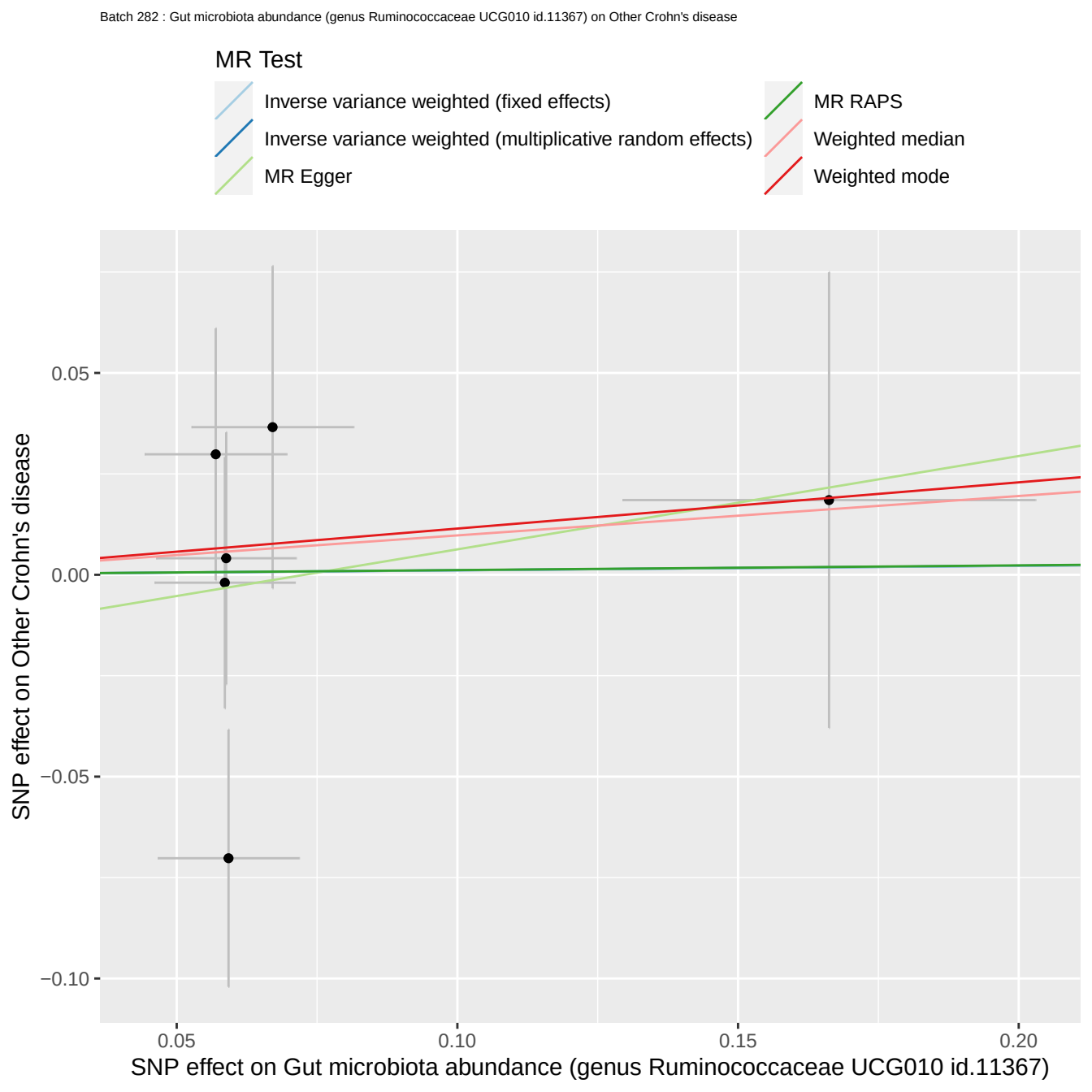
Batch 279 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Other Crohn's disease

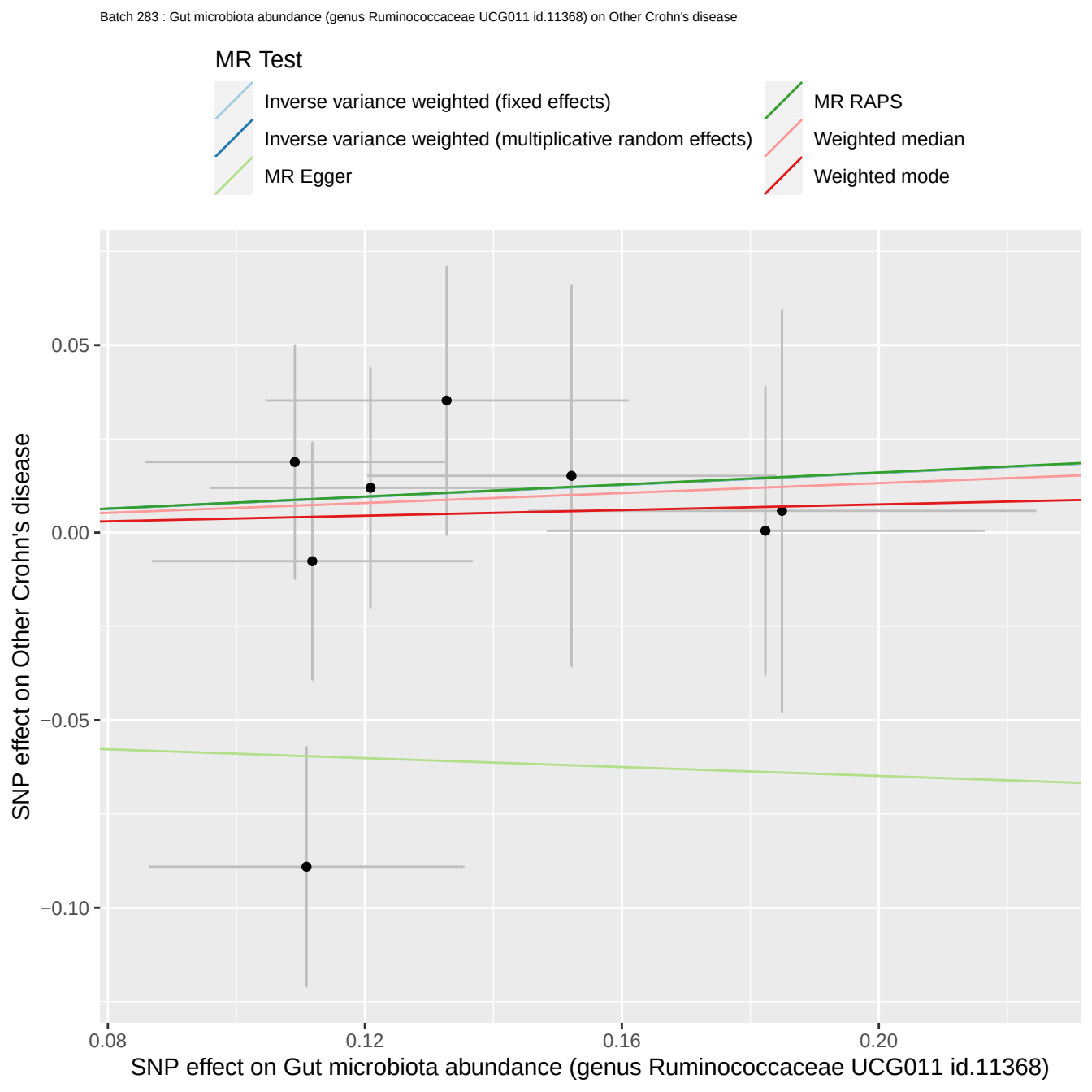



Batch 280 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

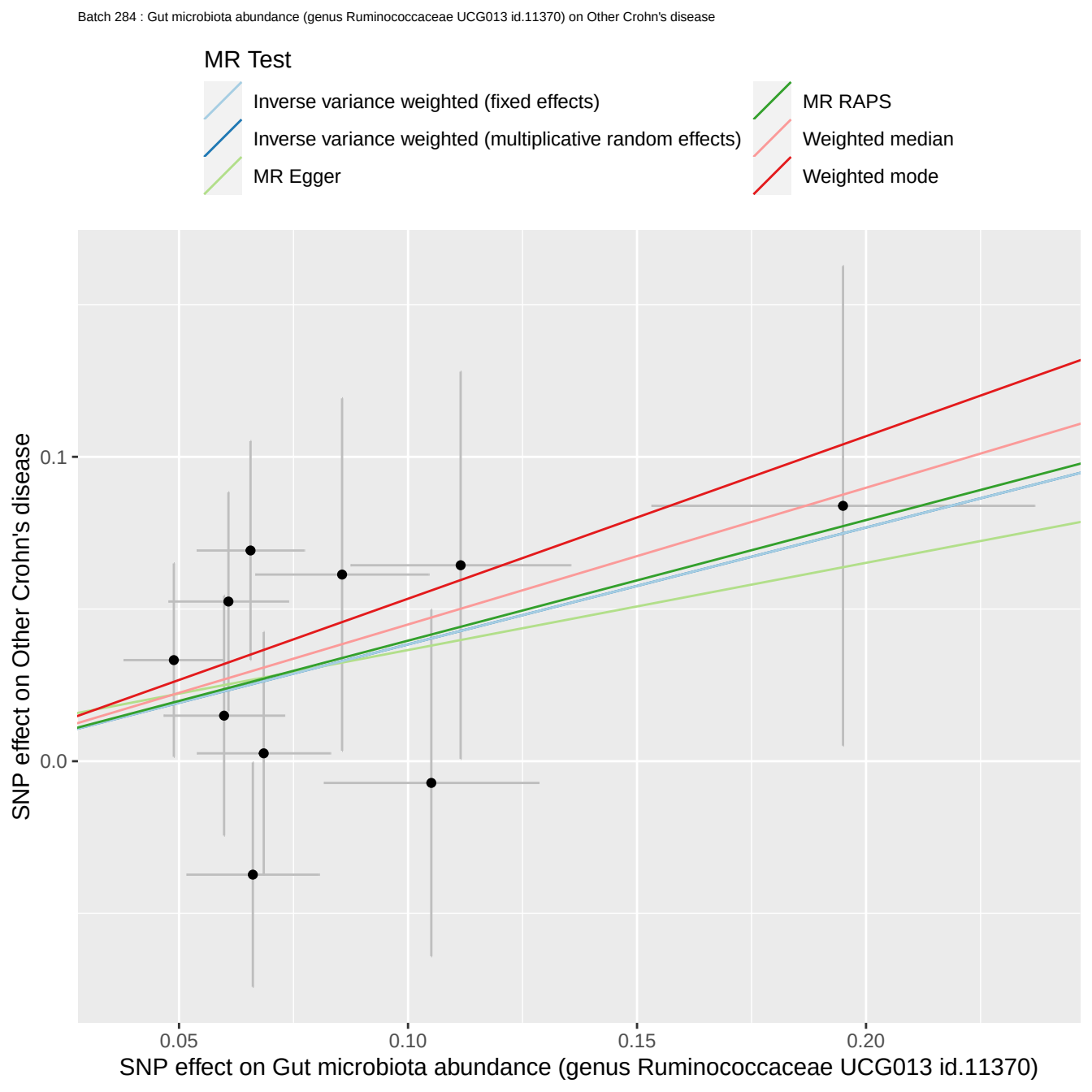
Batch 281 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Other Crohn's disease



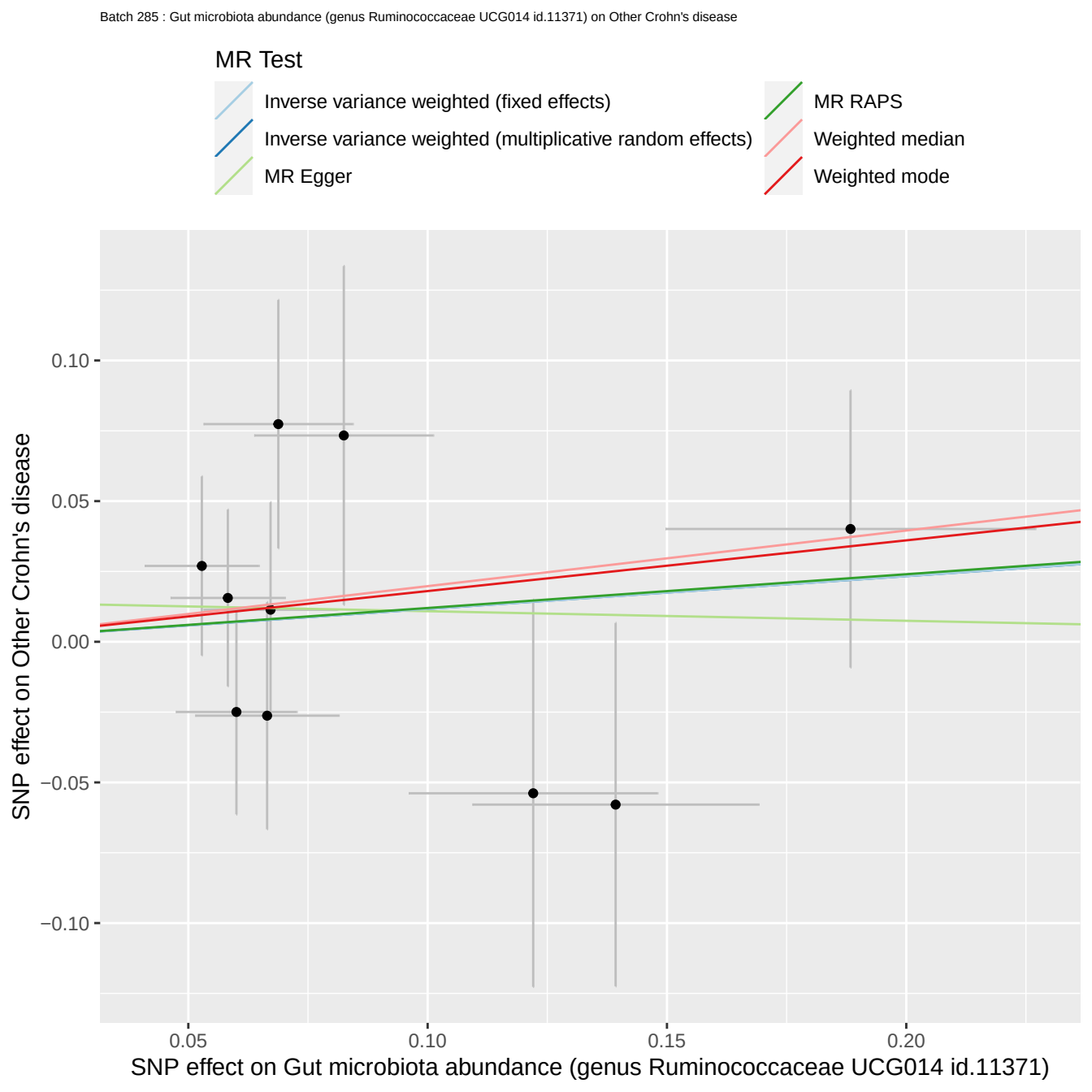

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Other Crohn's disease
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

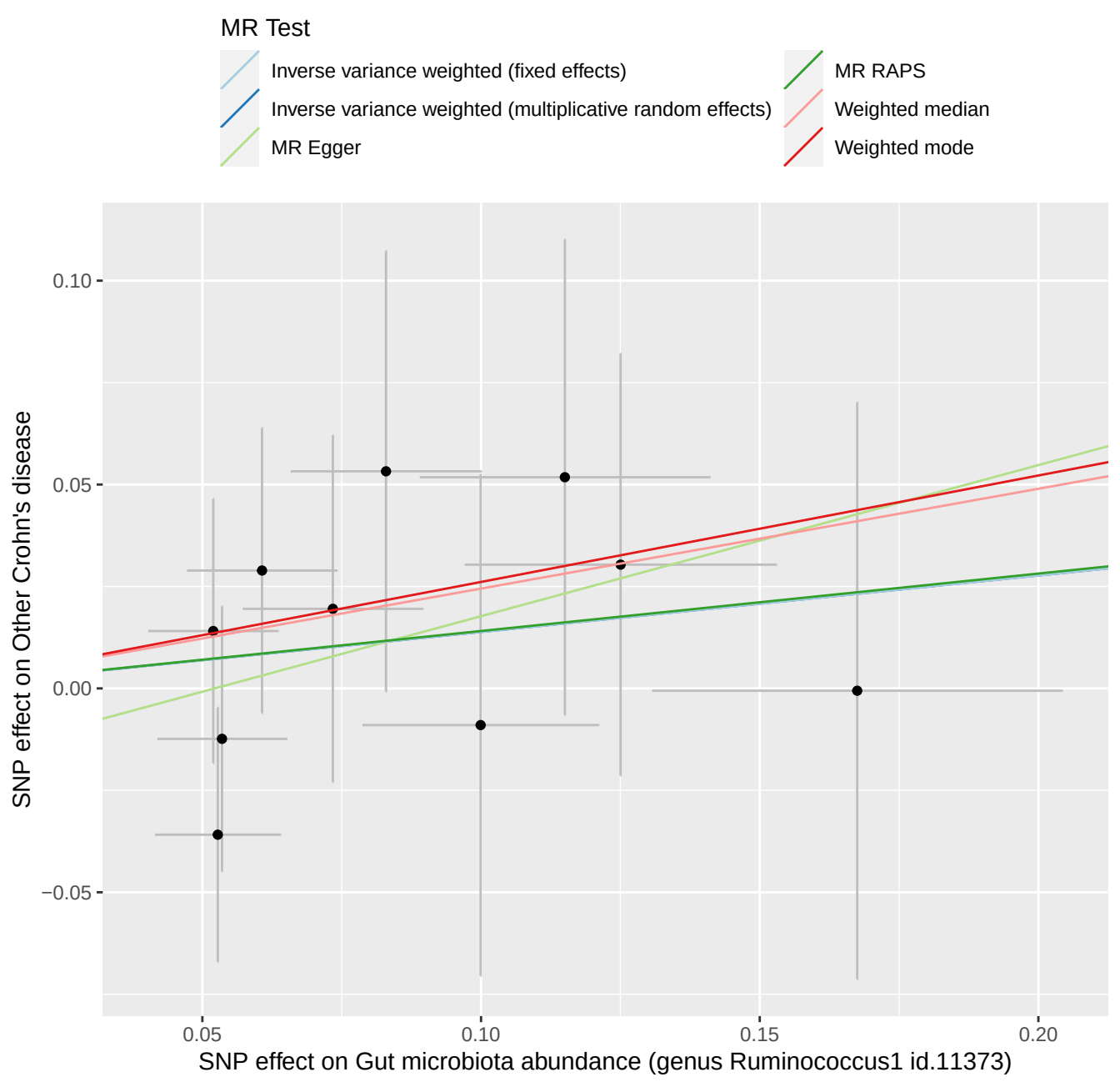

Batch 283 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

Batch 284 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Other Crohn's disease

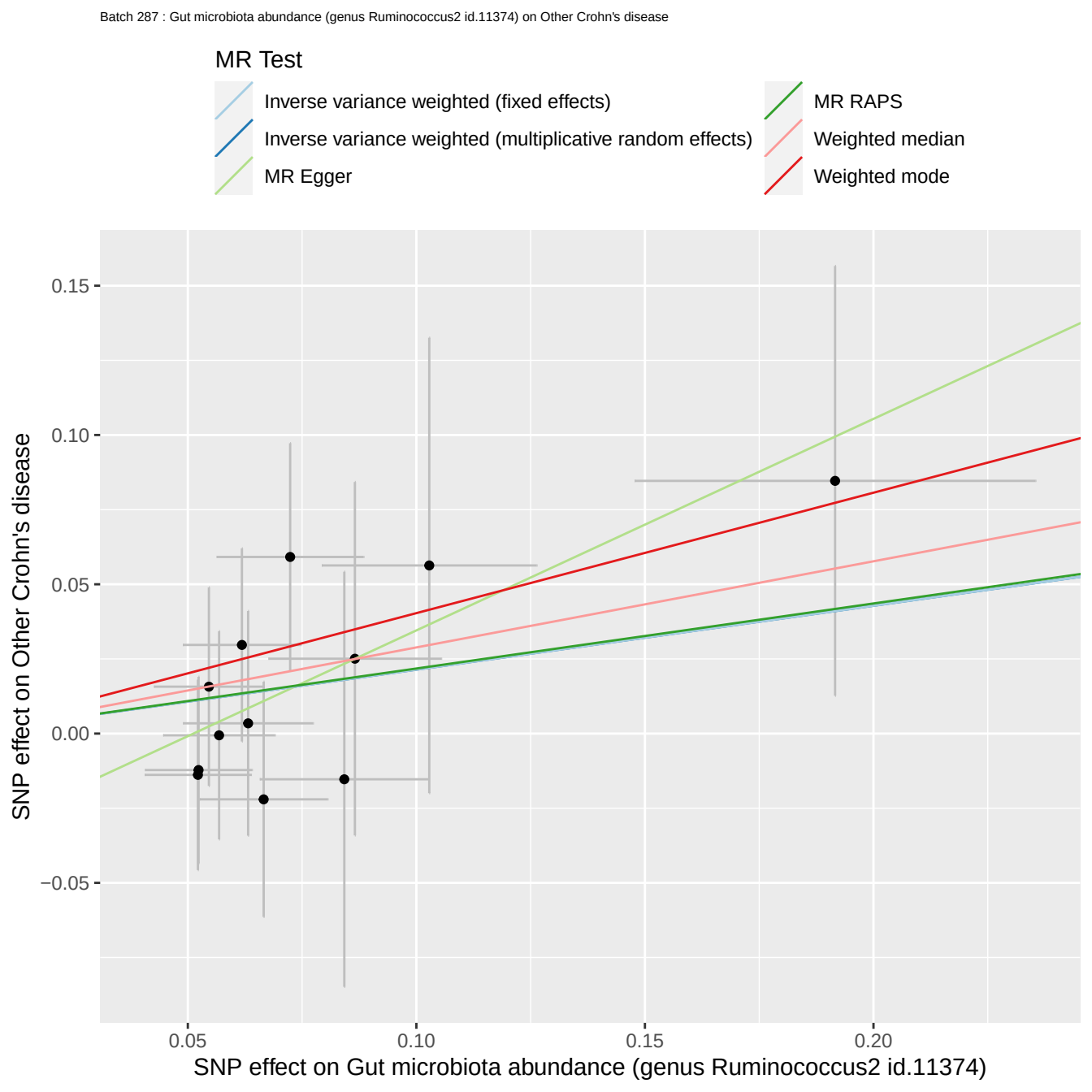


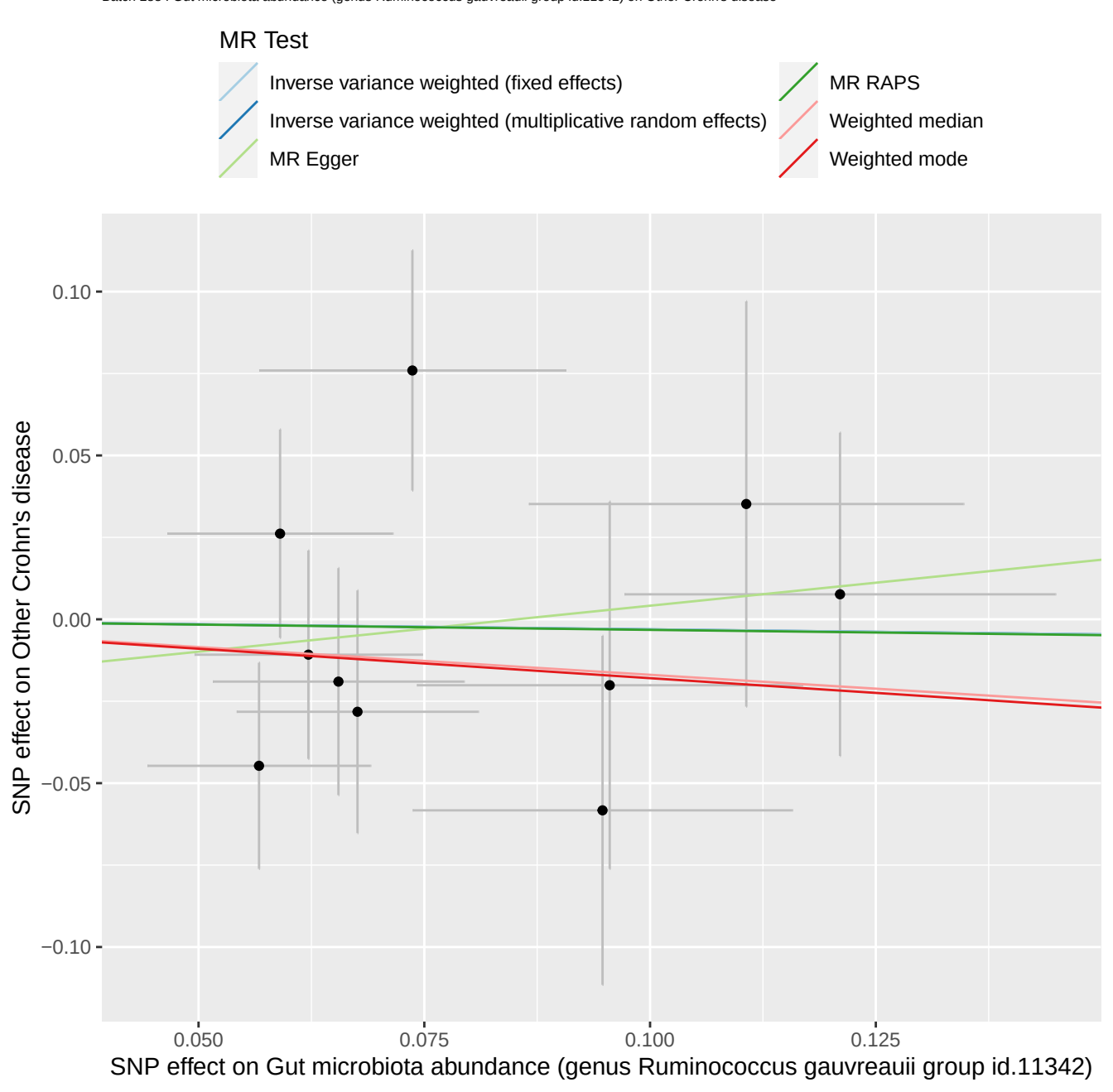
Batch 285 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Other Crohn's disease



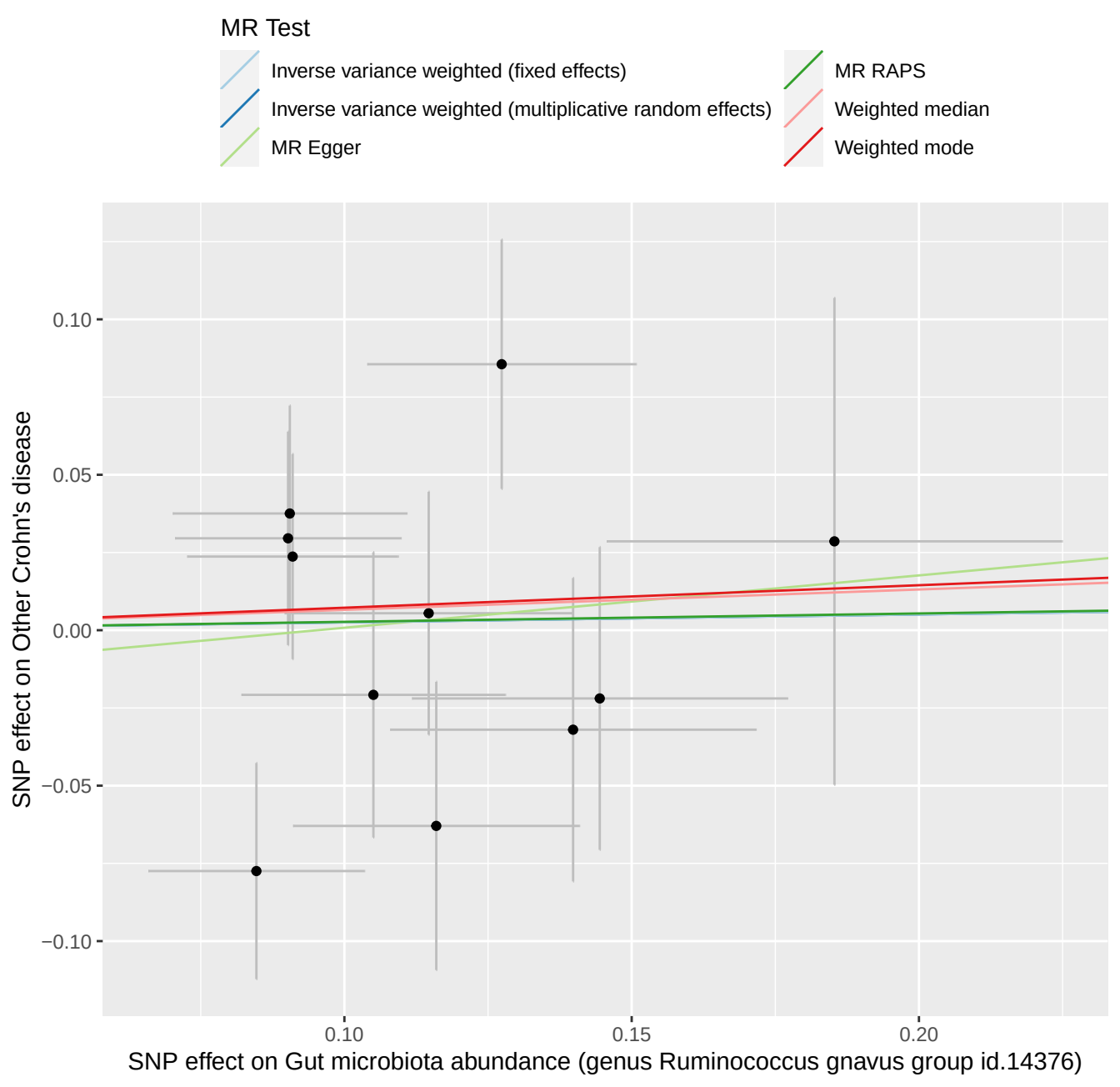

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

Batch 287 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Other Crohn's disease

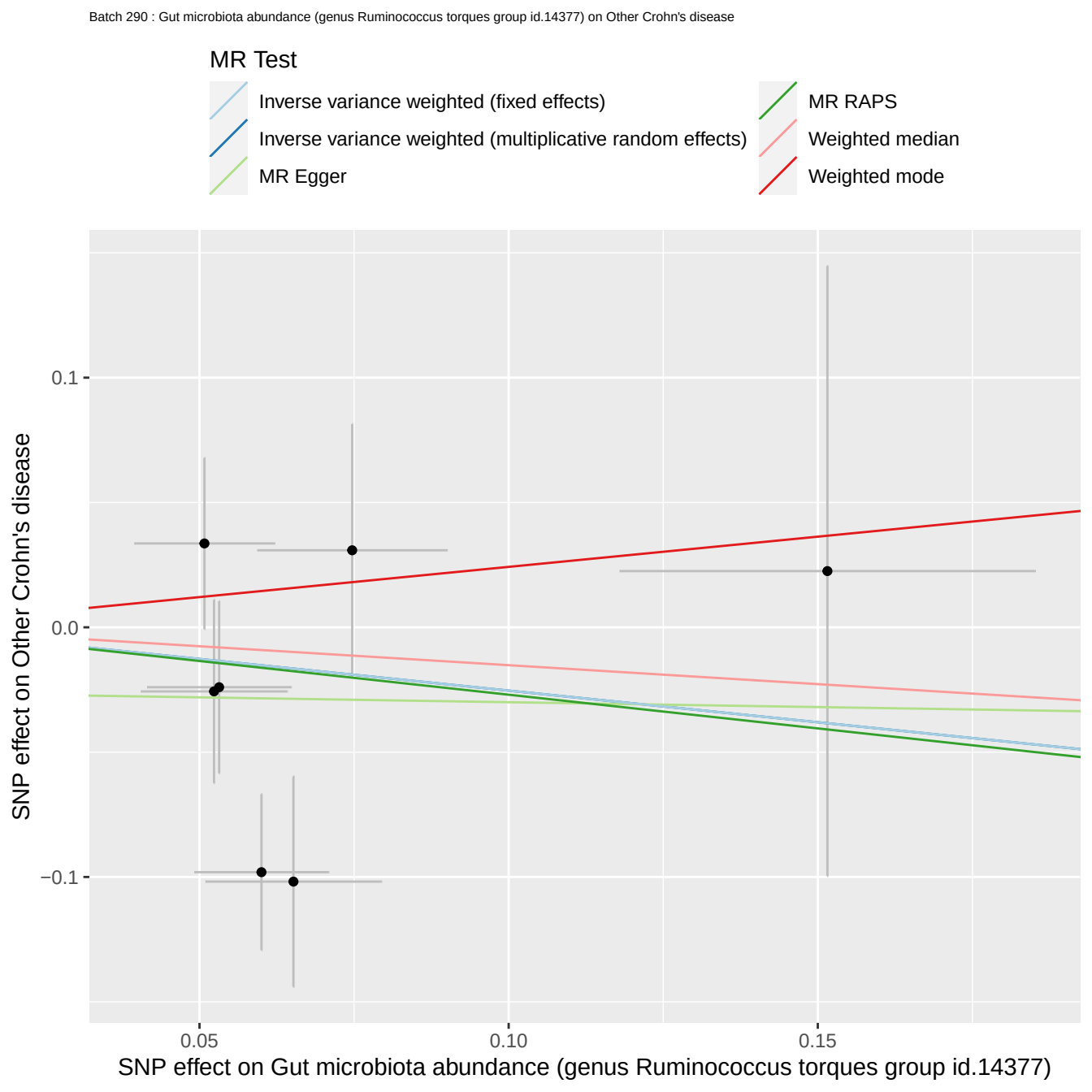



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

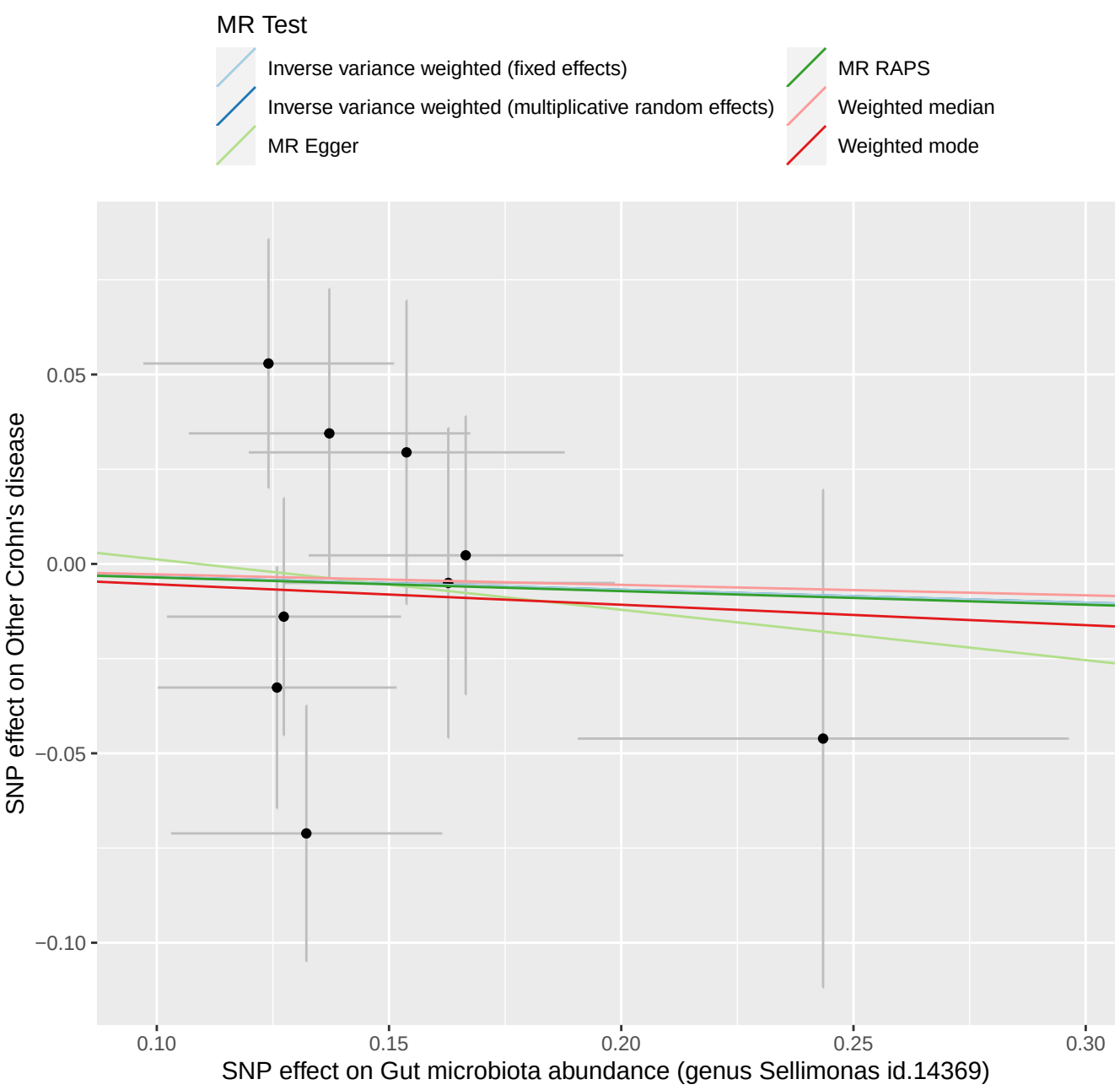
Batch 289 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Other Crohn's disease

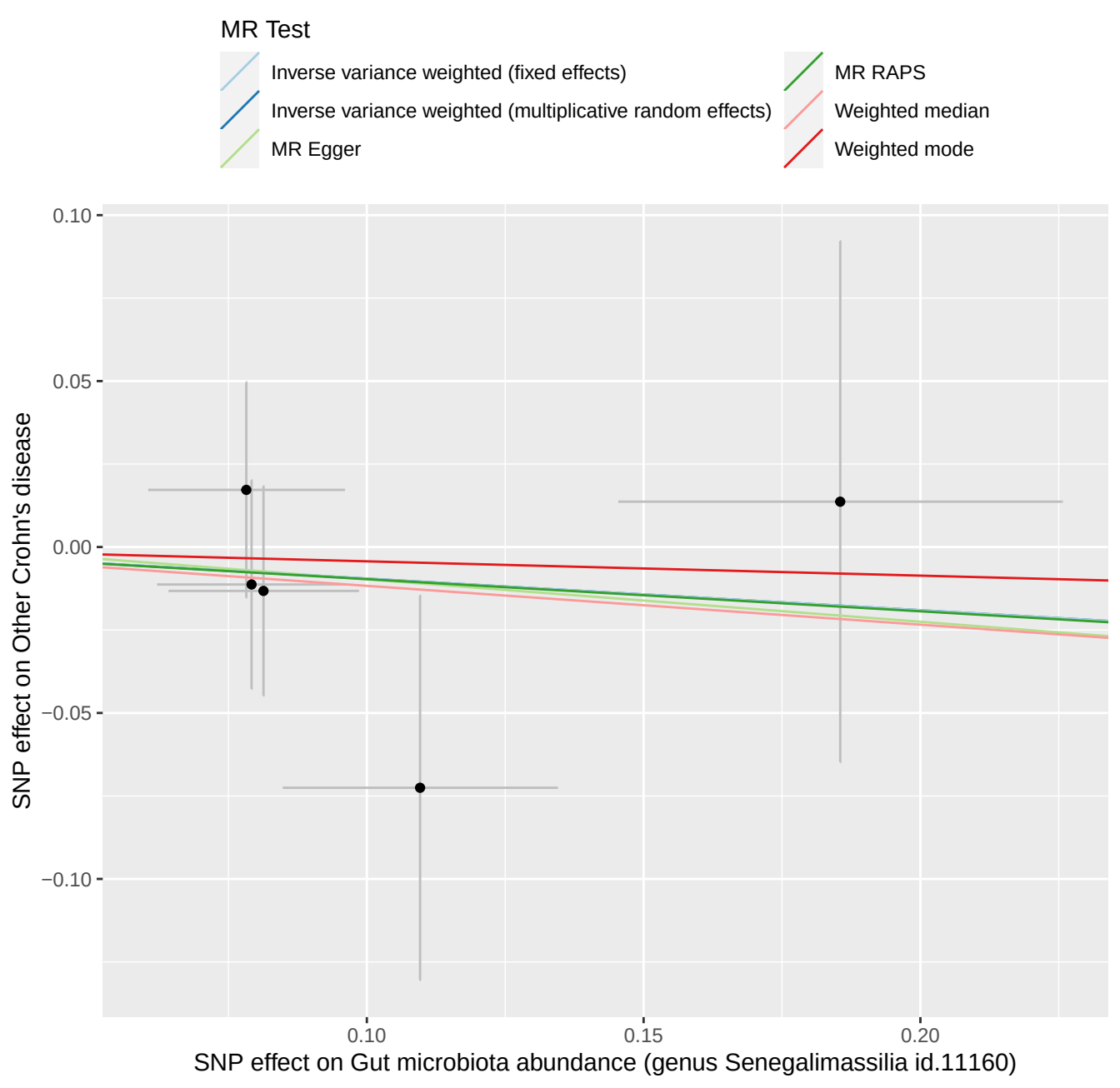


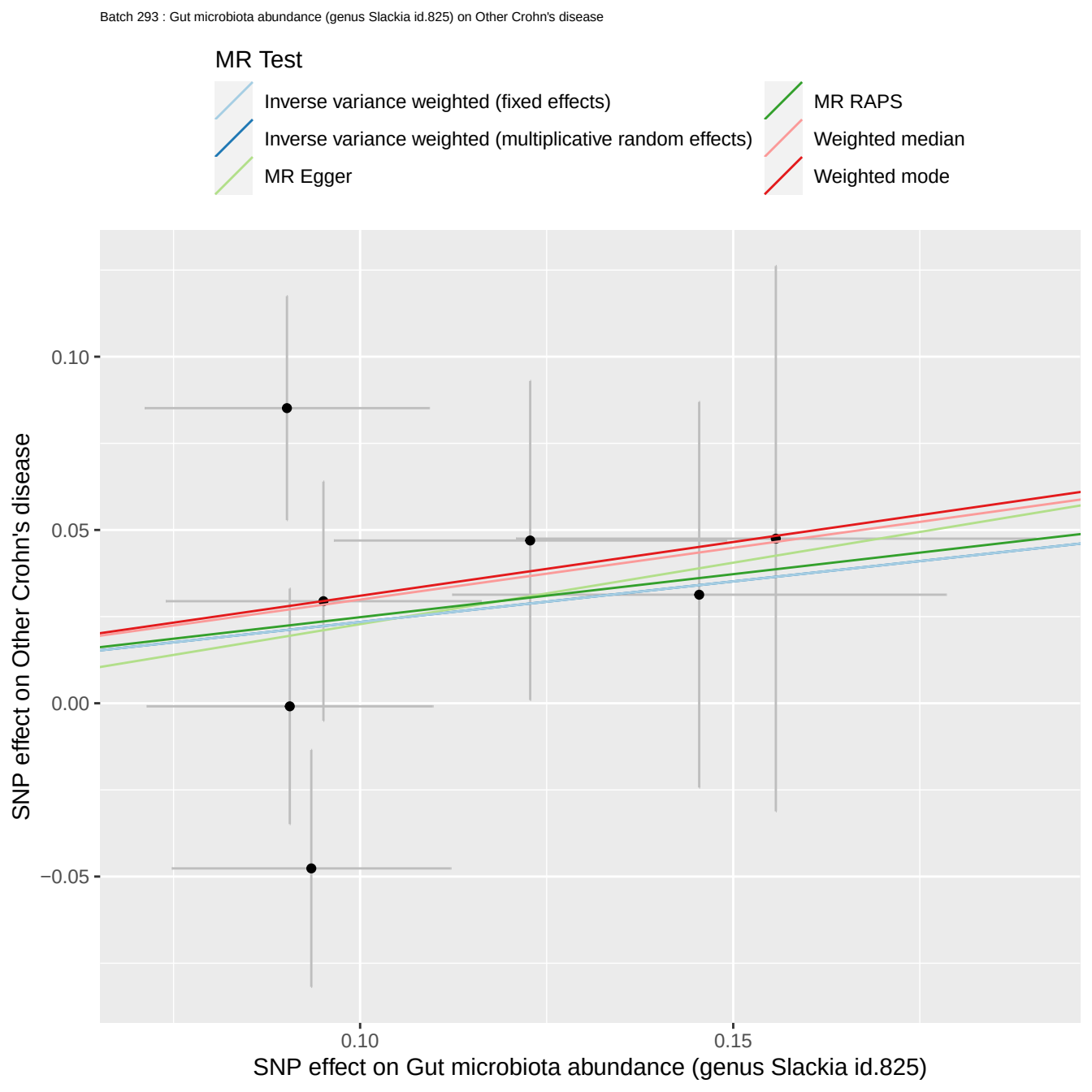
Batch 290 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Other Crohn's disease



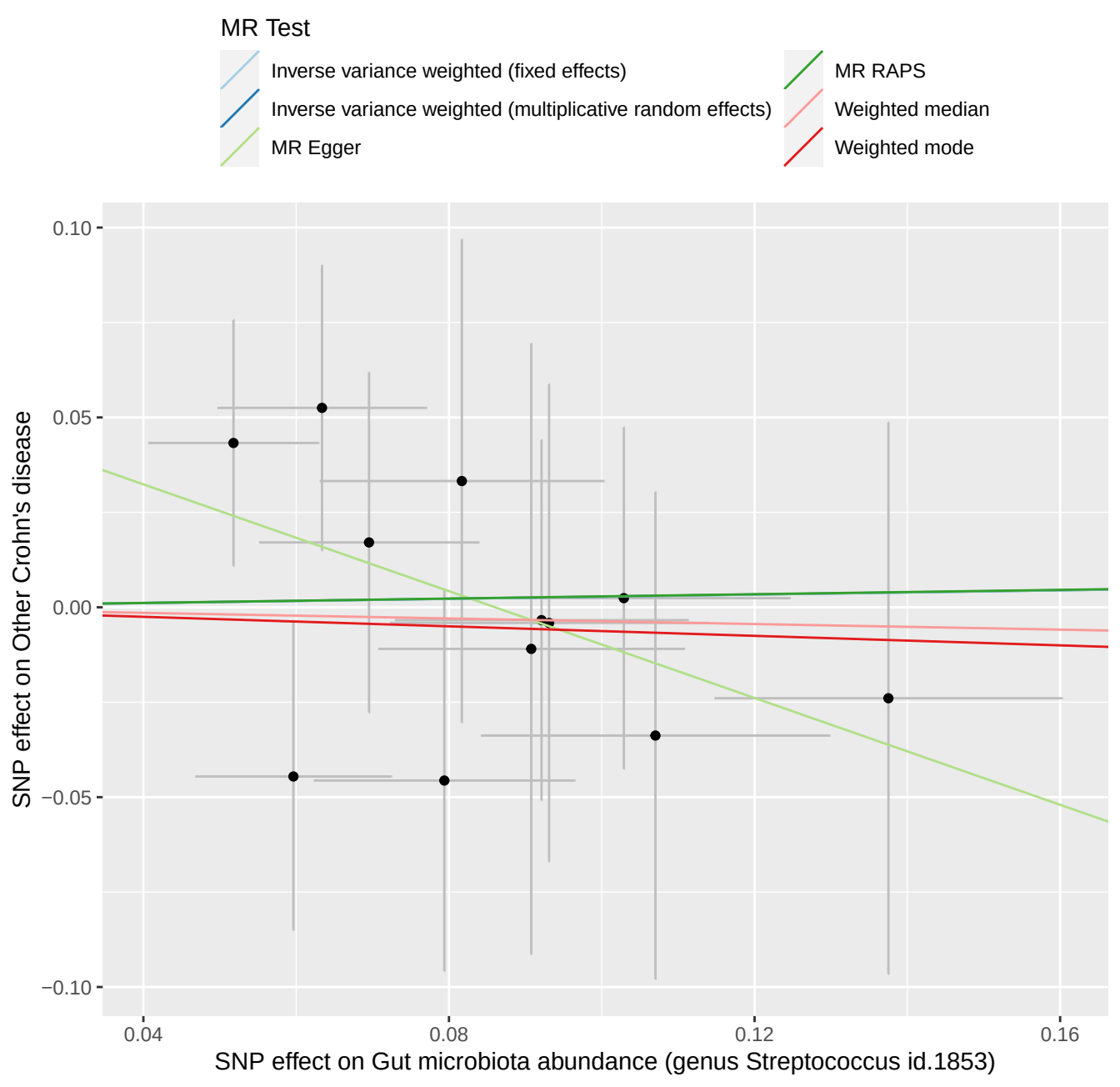
Batch 291 : Gut microbiota abundance (genus Sellimonas id.14369) on Other Crohn's disease

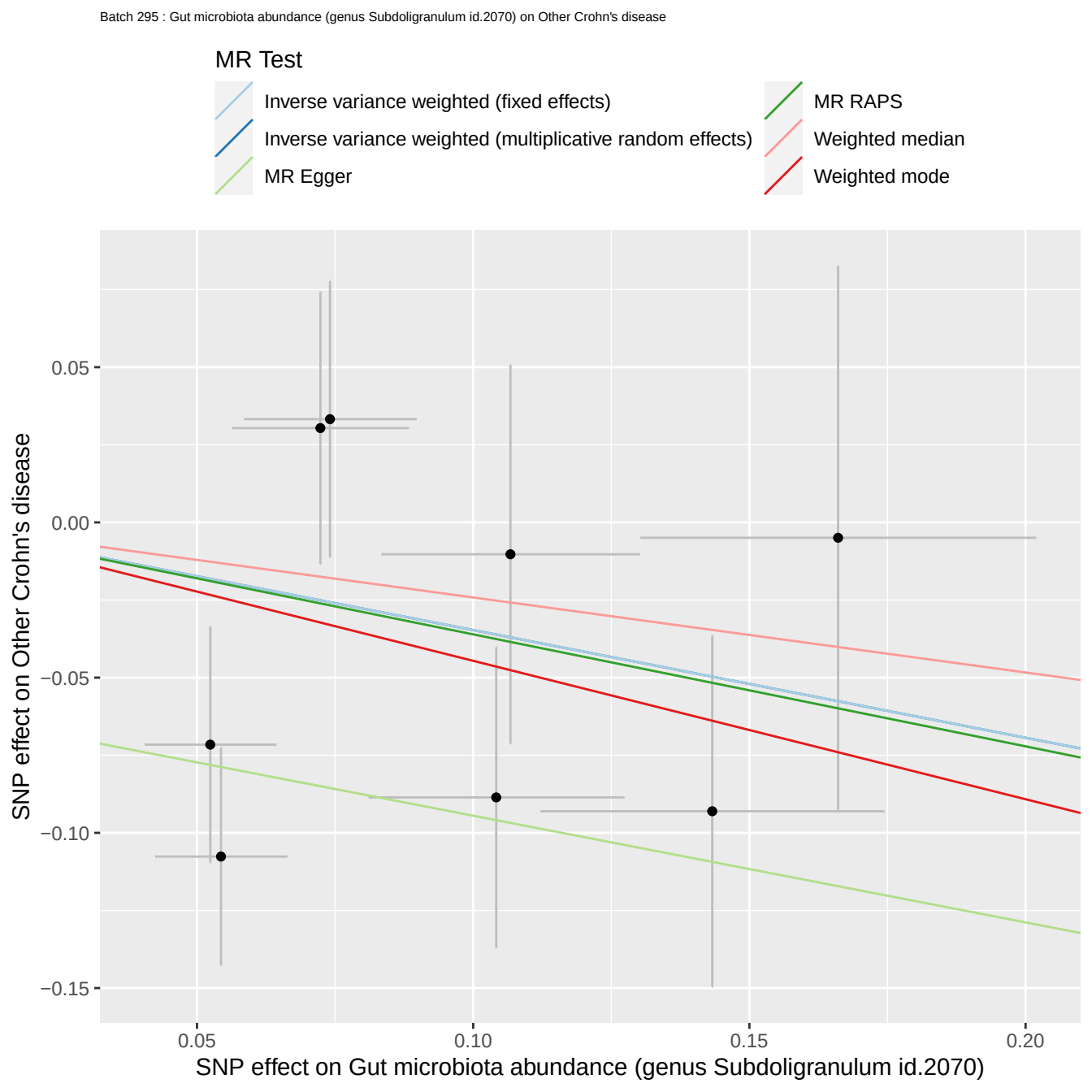


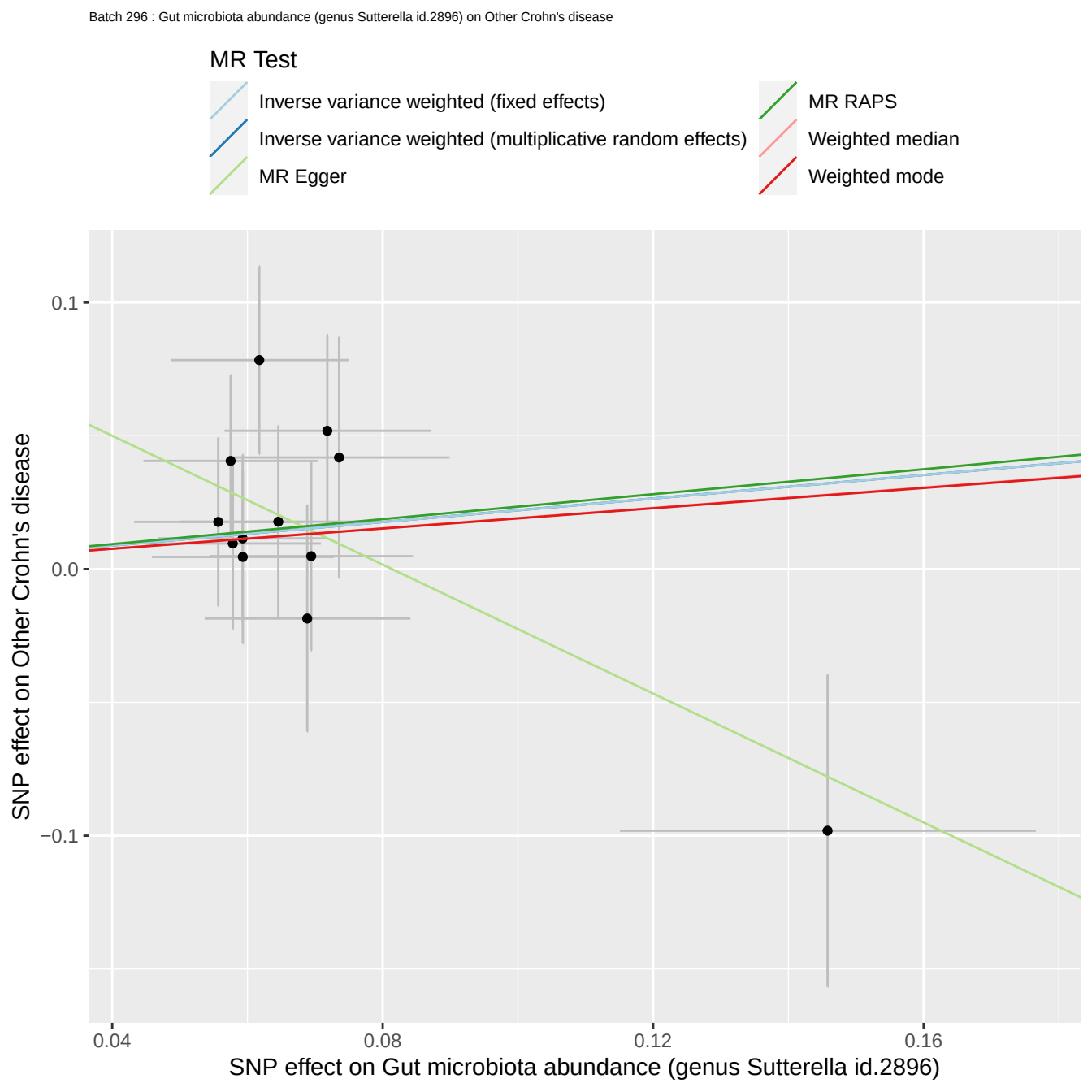

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

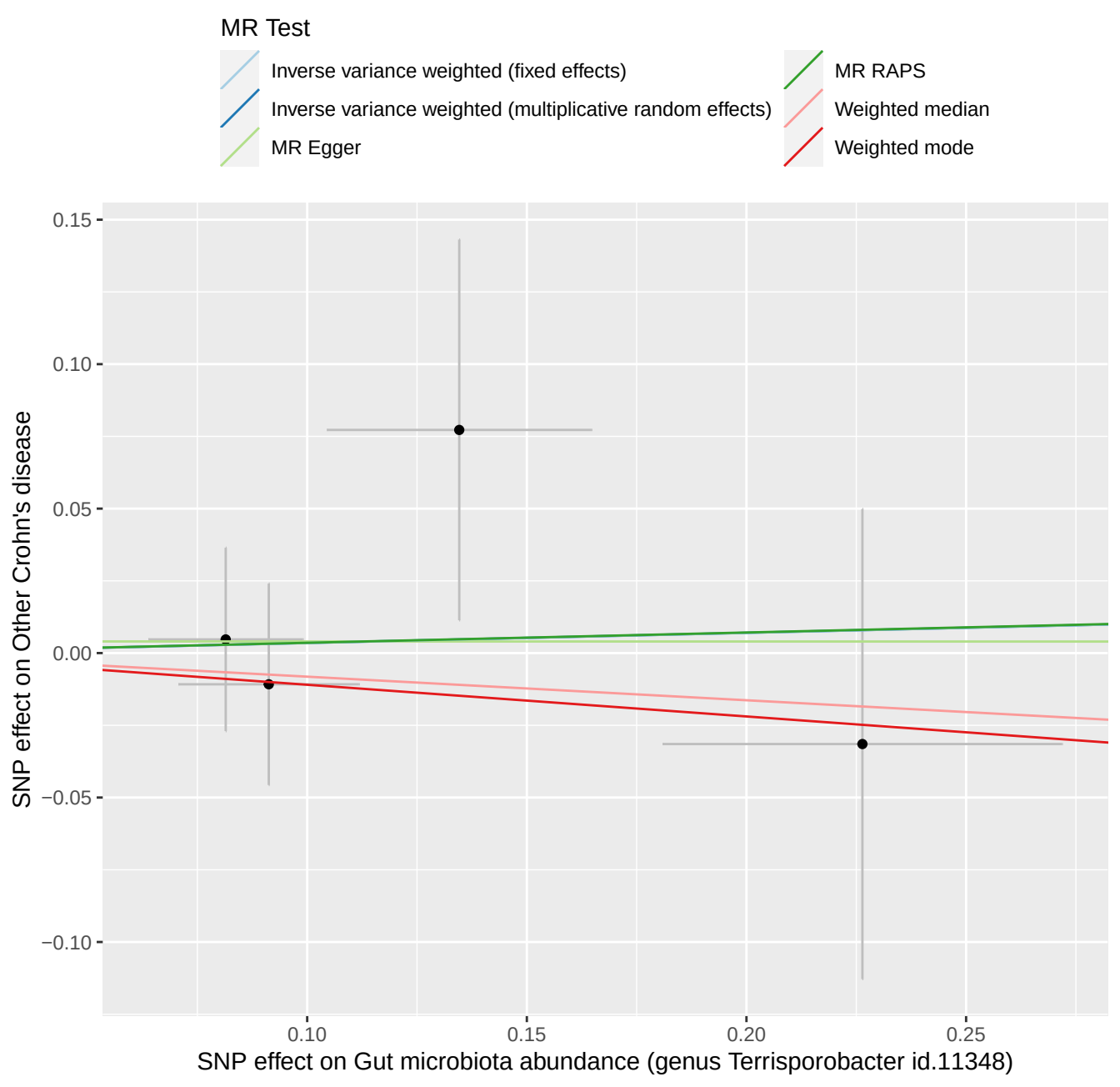

Batch 293 : Gut microbiota abundance (genus Slackia id.825) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.10
0.05
0.00
−0.05
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

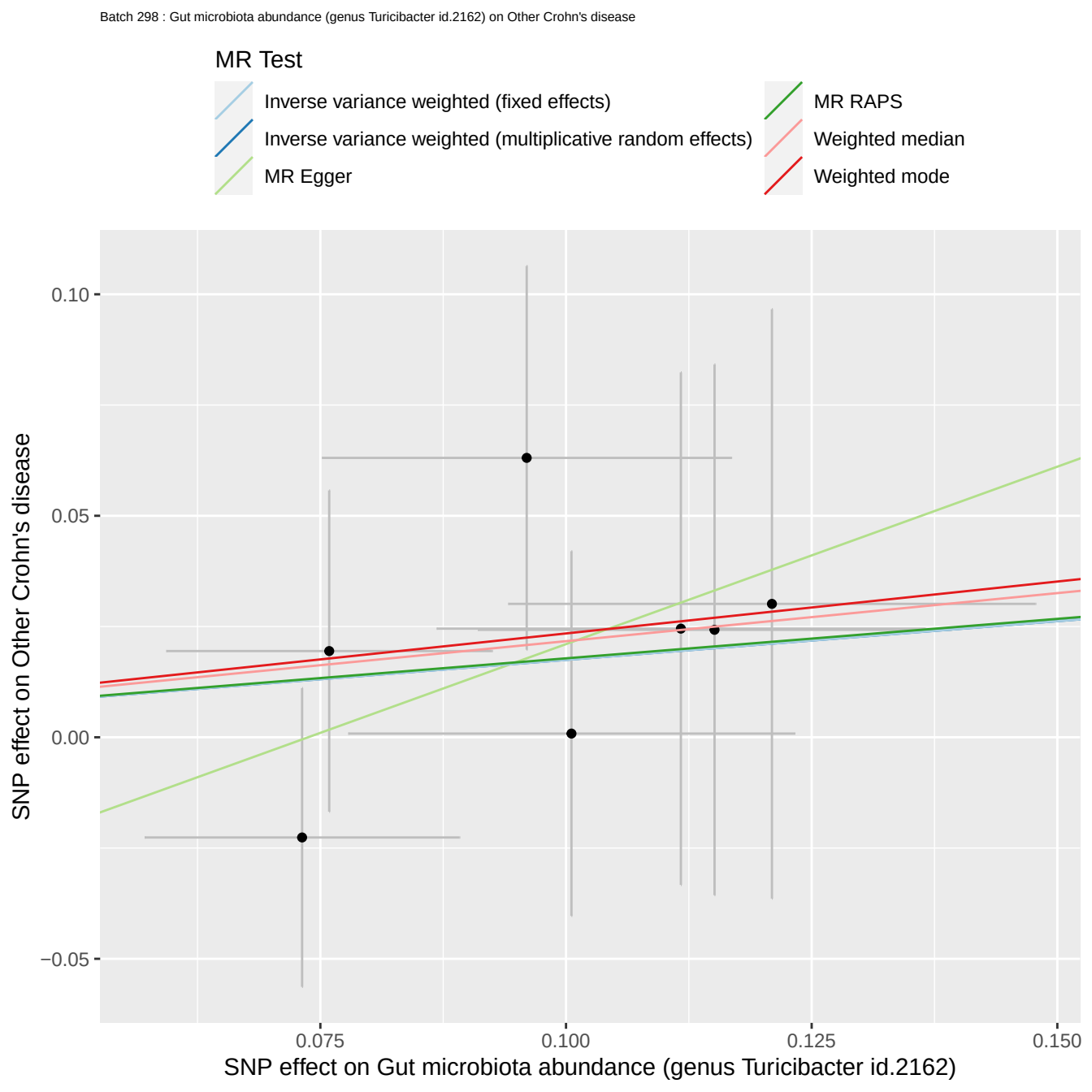
Batch 294 : Gut microbiota abundance (genus Streptococcus id.1853) on Other Crohn's disease



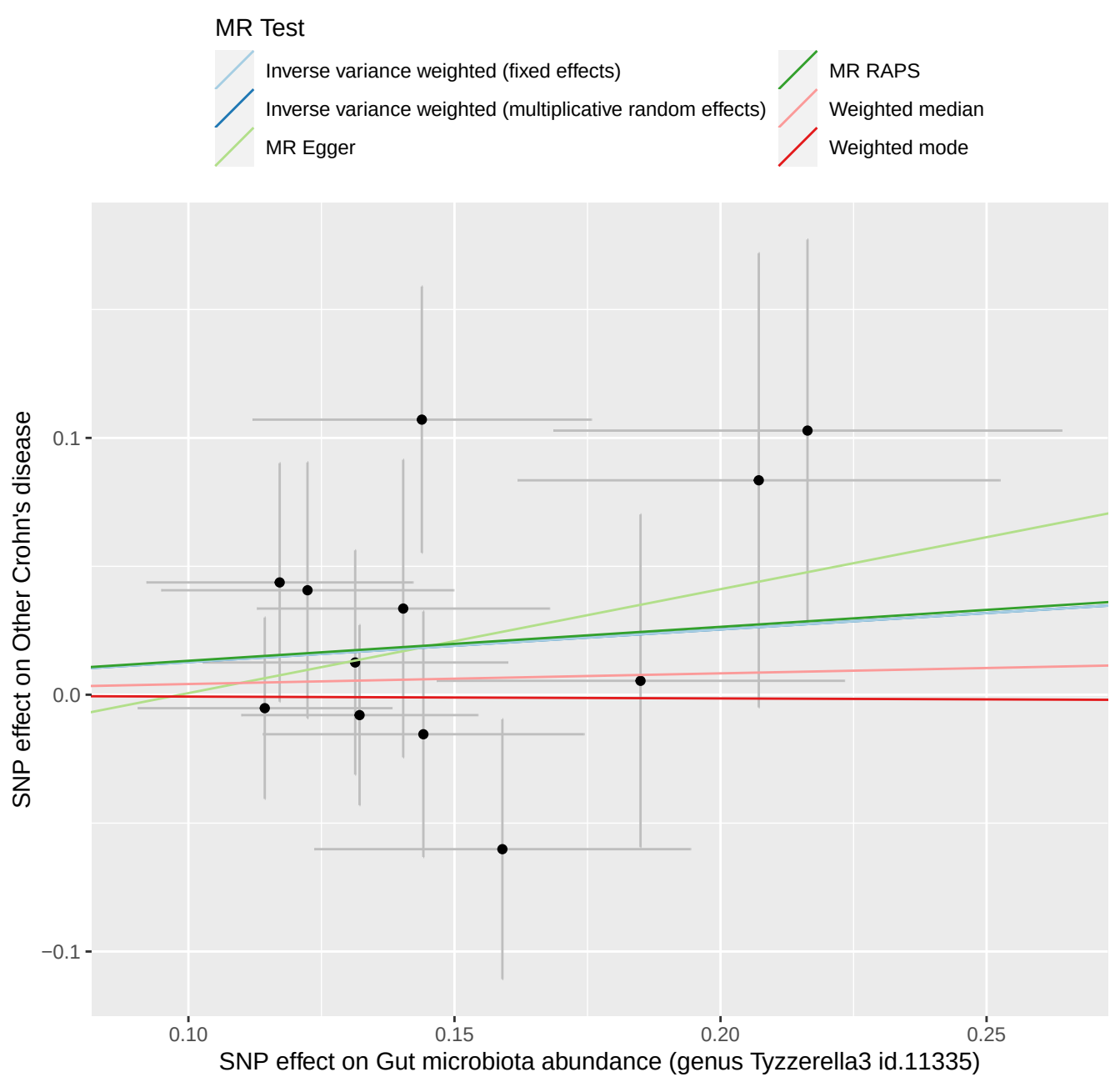

Batch 295 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

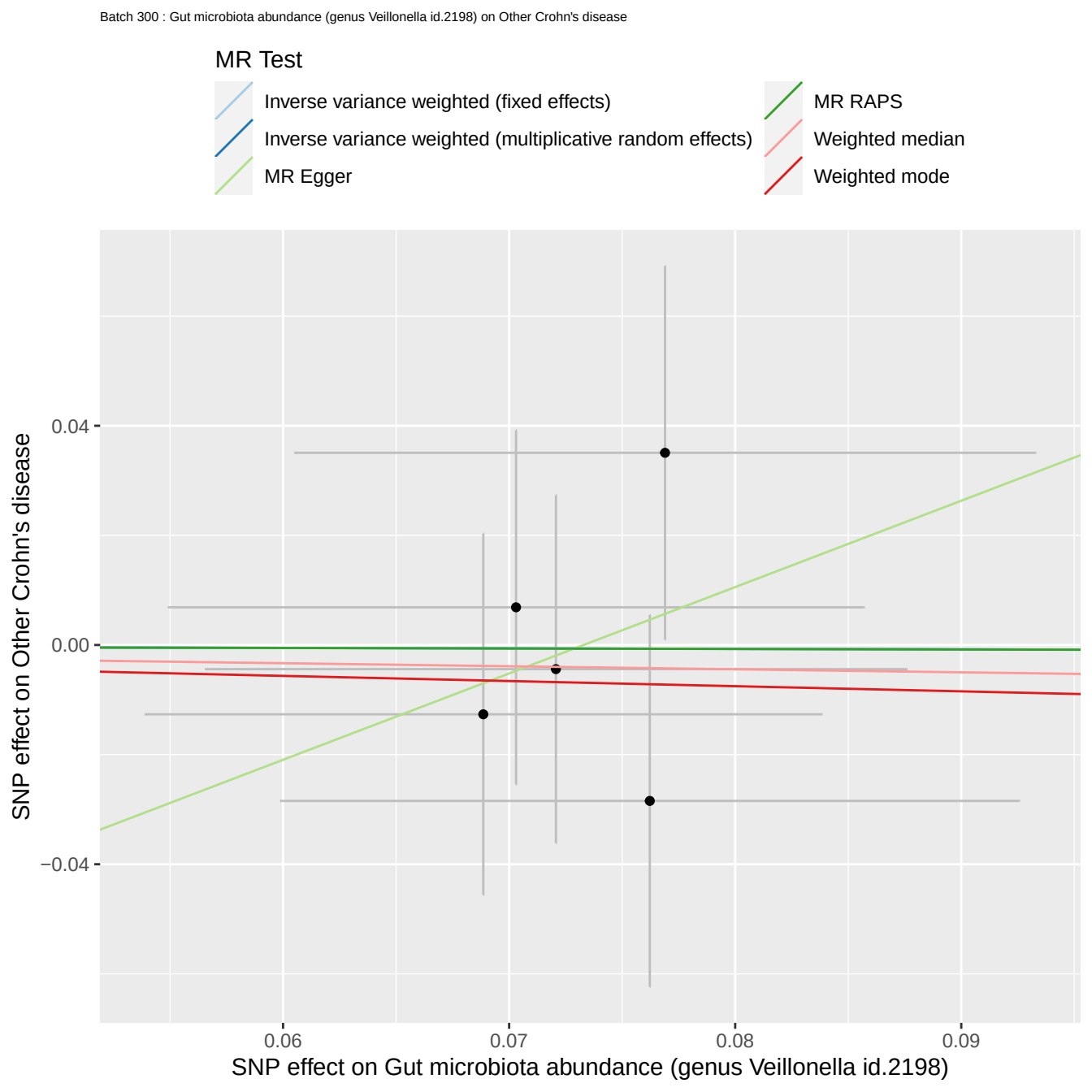

Batch 296 : Gut microbiota abundance (genus Sutterella id.2896) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other Crohn's disease
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

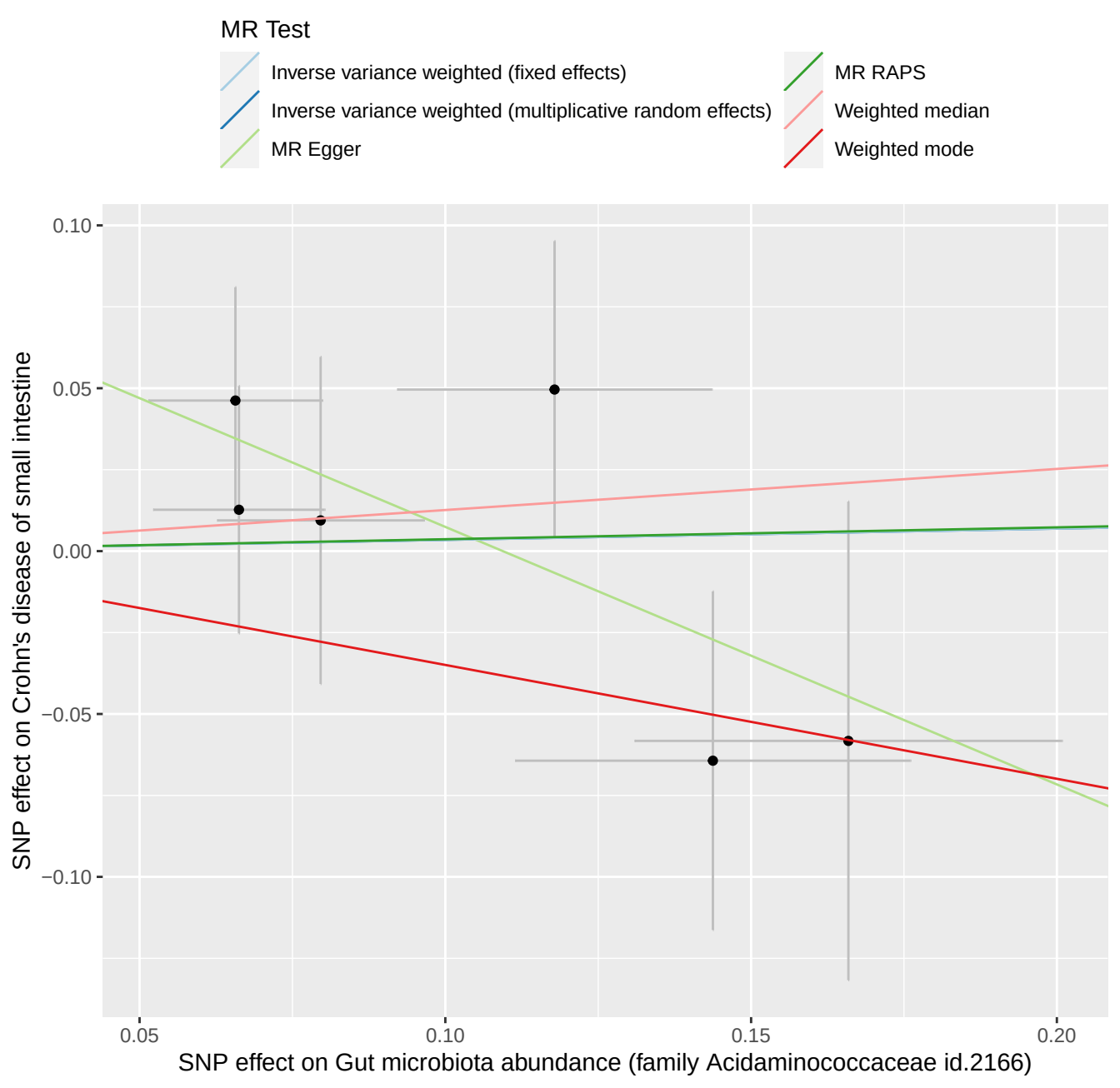

Batch 298 : Gut microbiota abundance (genus Turicibacter id.2162) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other Crohn's disease
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

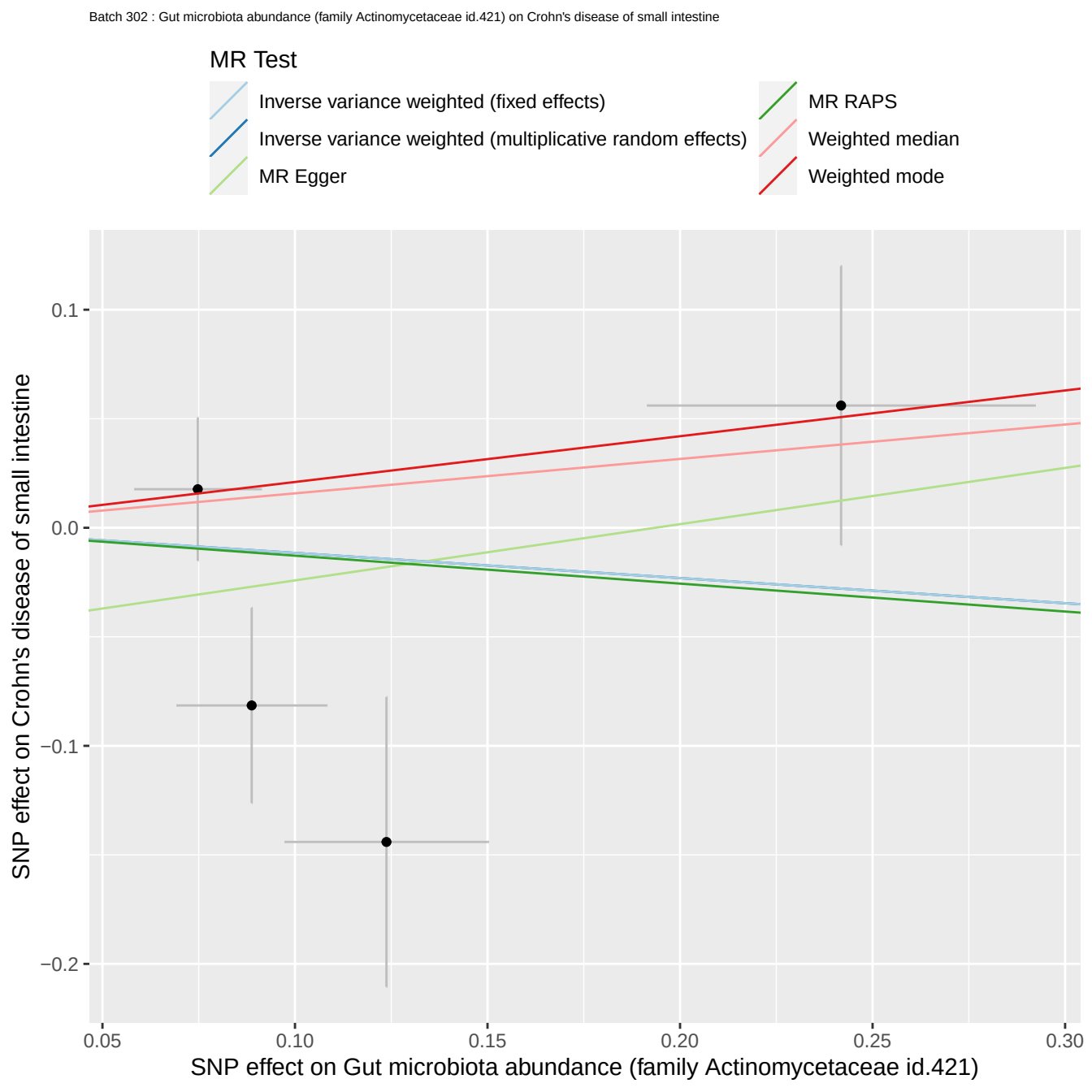
Batch 299 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Other Crohn's disease

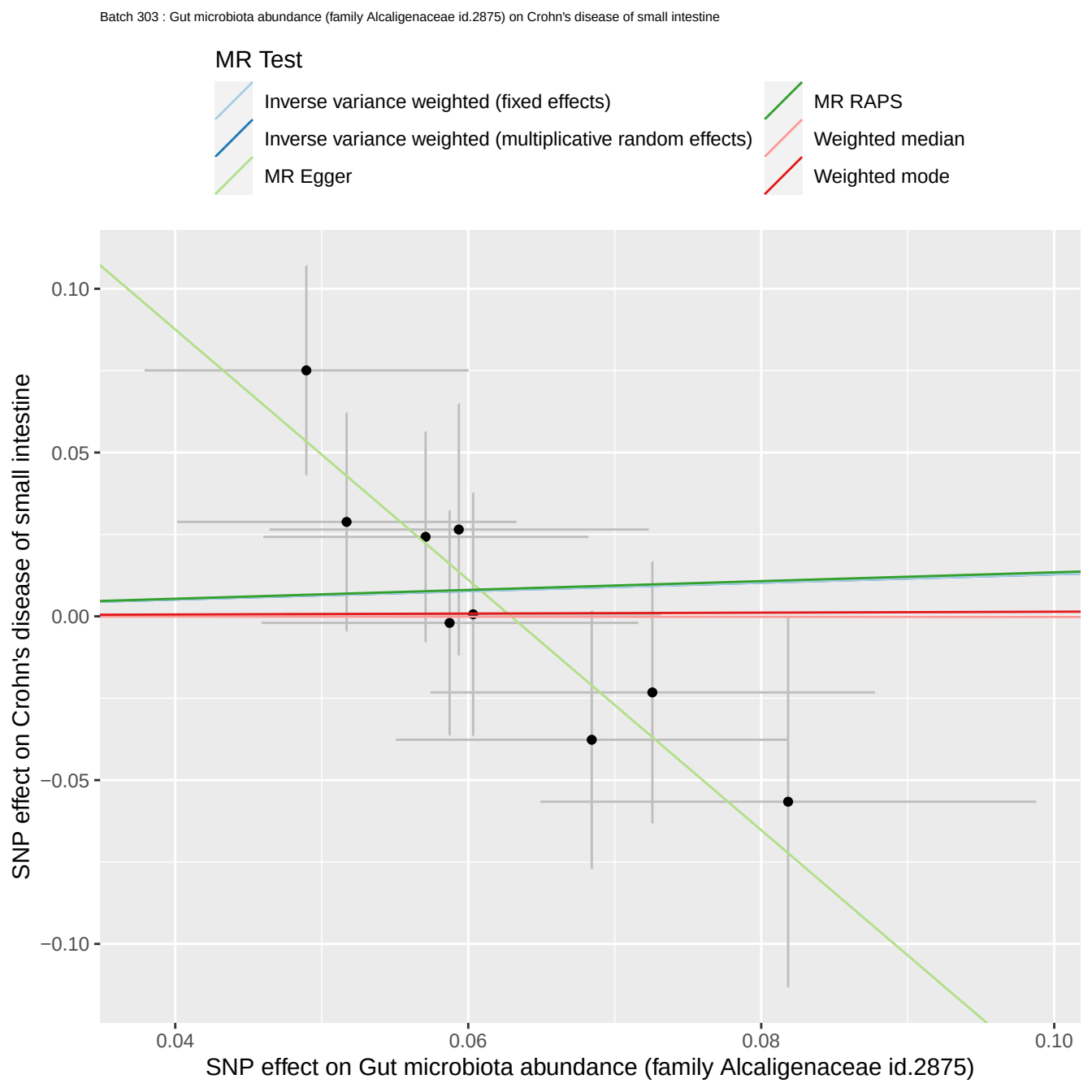



Batch 300 : Gut microbiota abundance (genus Veillonella id.2198) on Other Crohn's disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other Crohn's disease
0.04
0.00
−0.04
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)

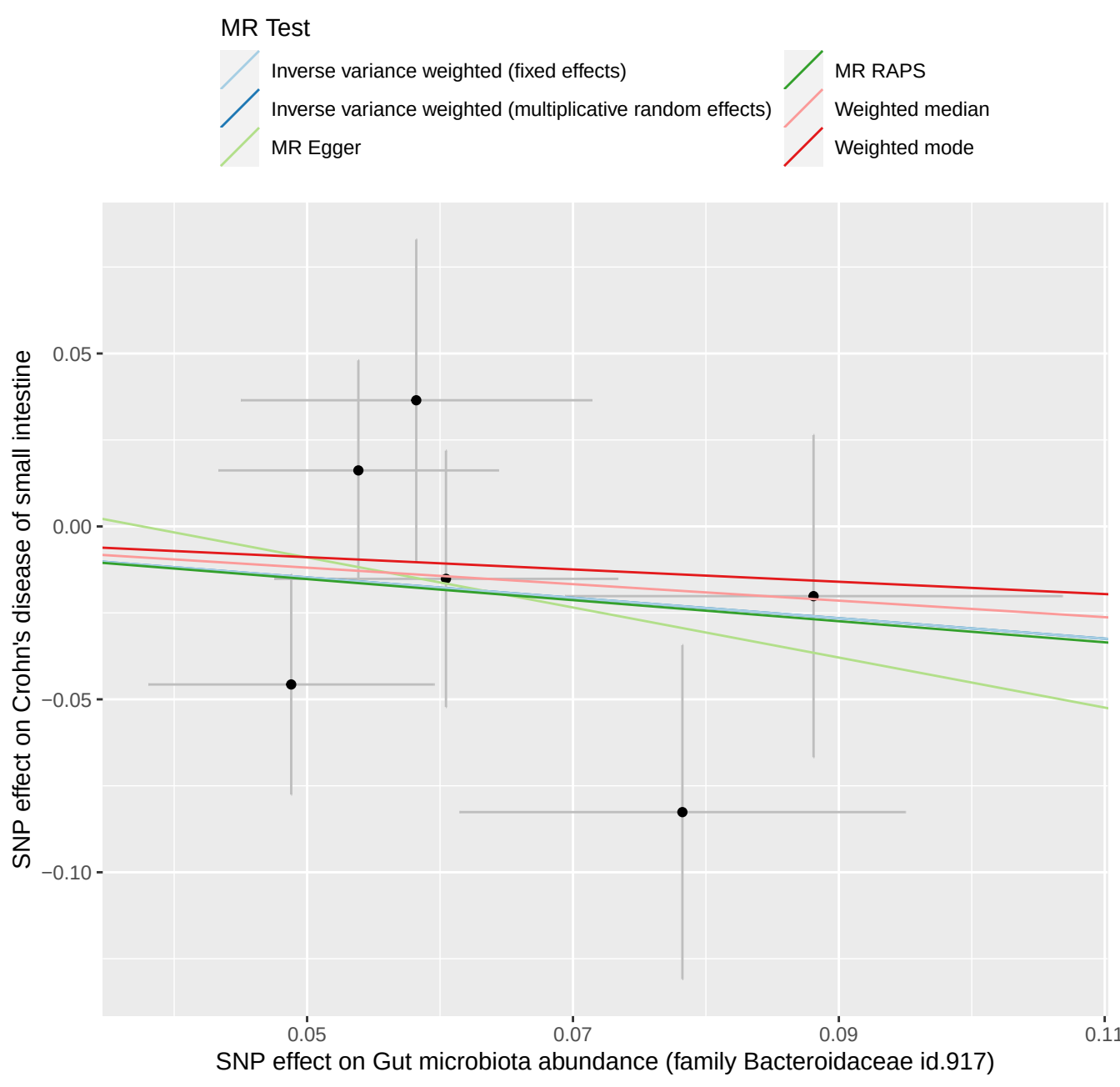
Batch 301 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Crohn's disease of small intestine

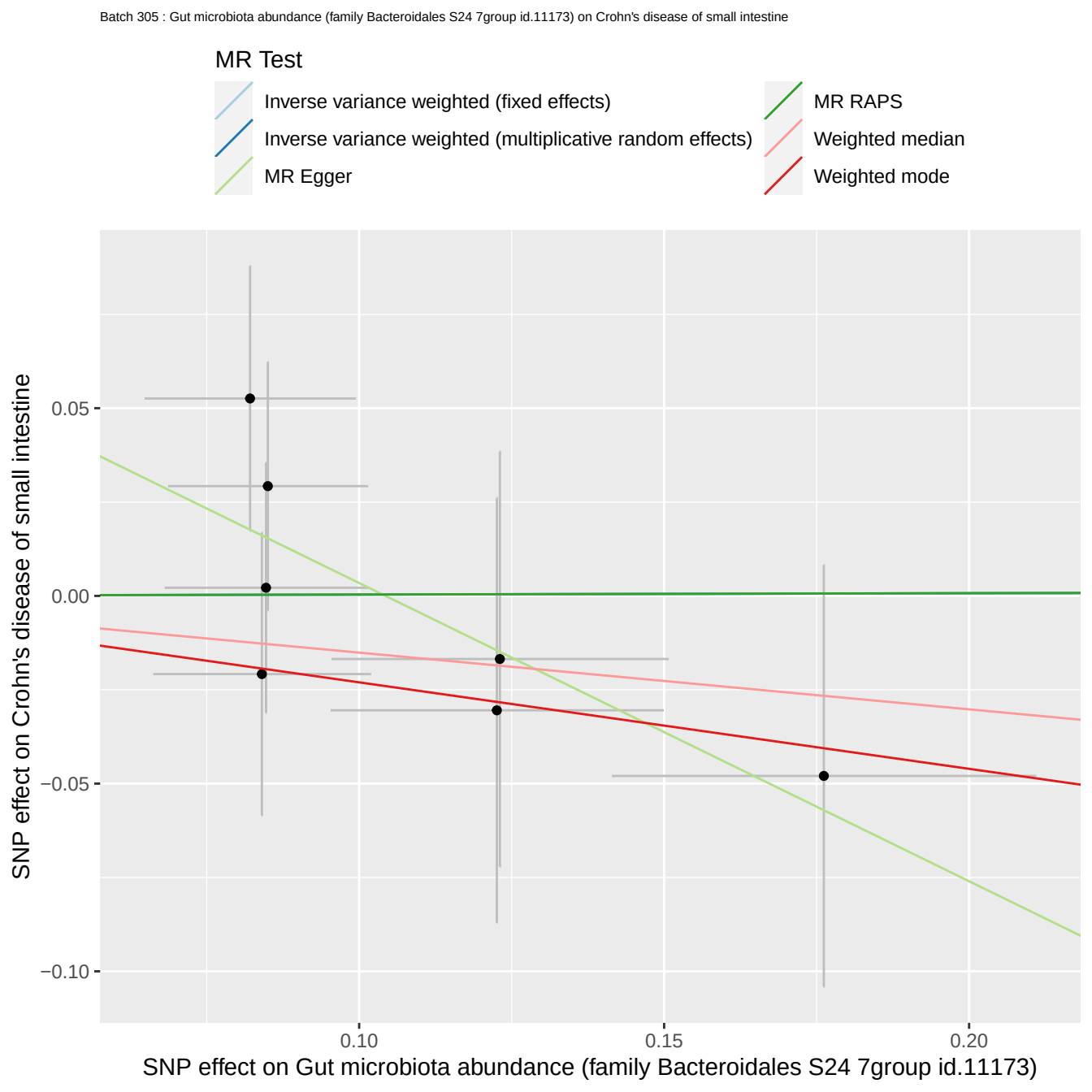


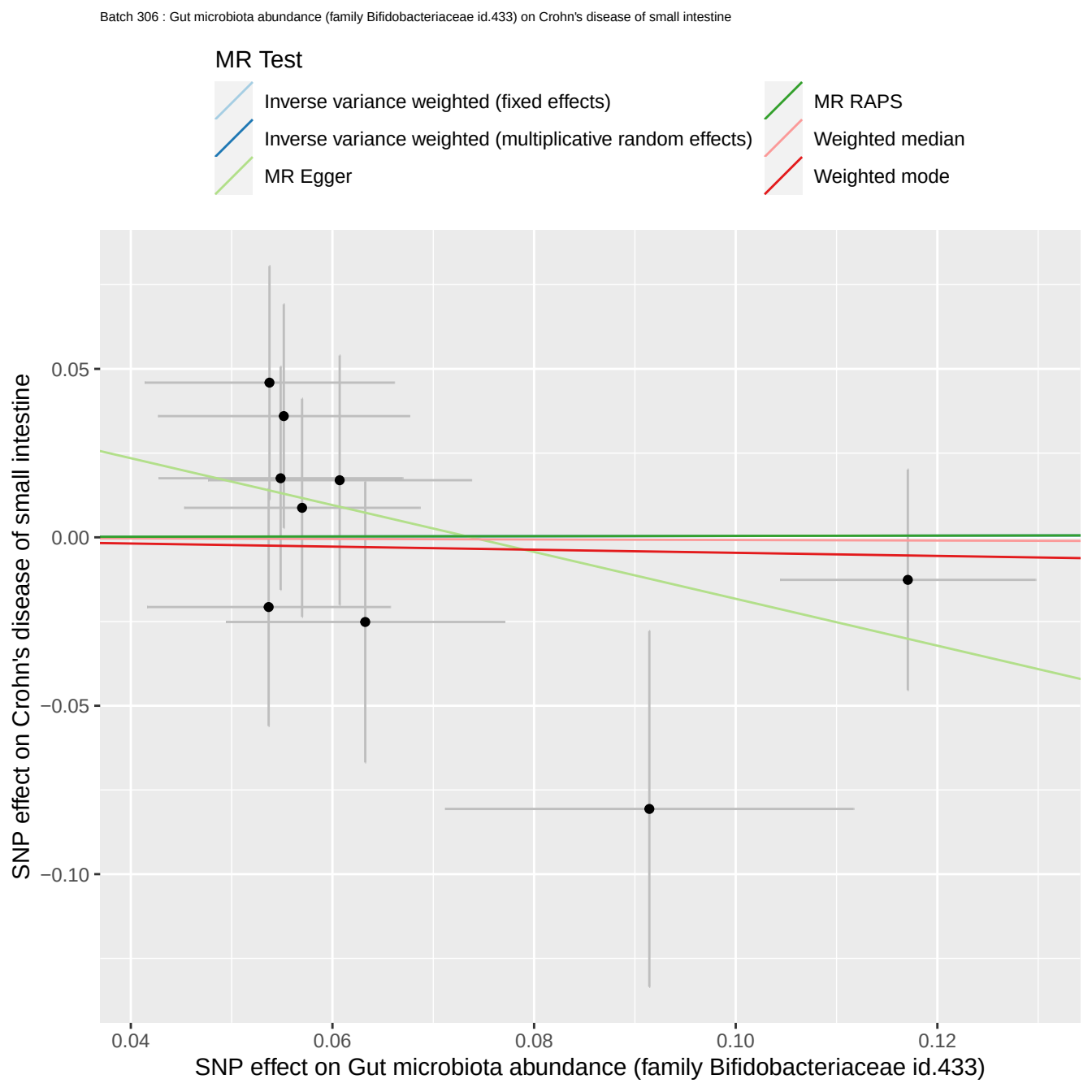

Batch 302 : Gut microbiota abundance (family Actinomycetaceae id.421) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

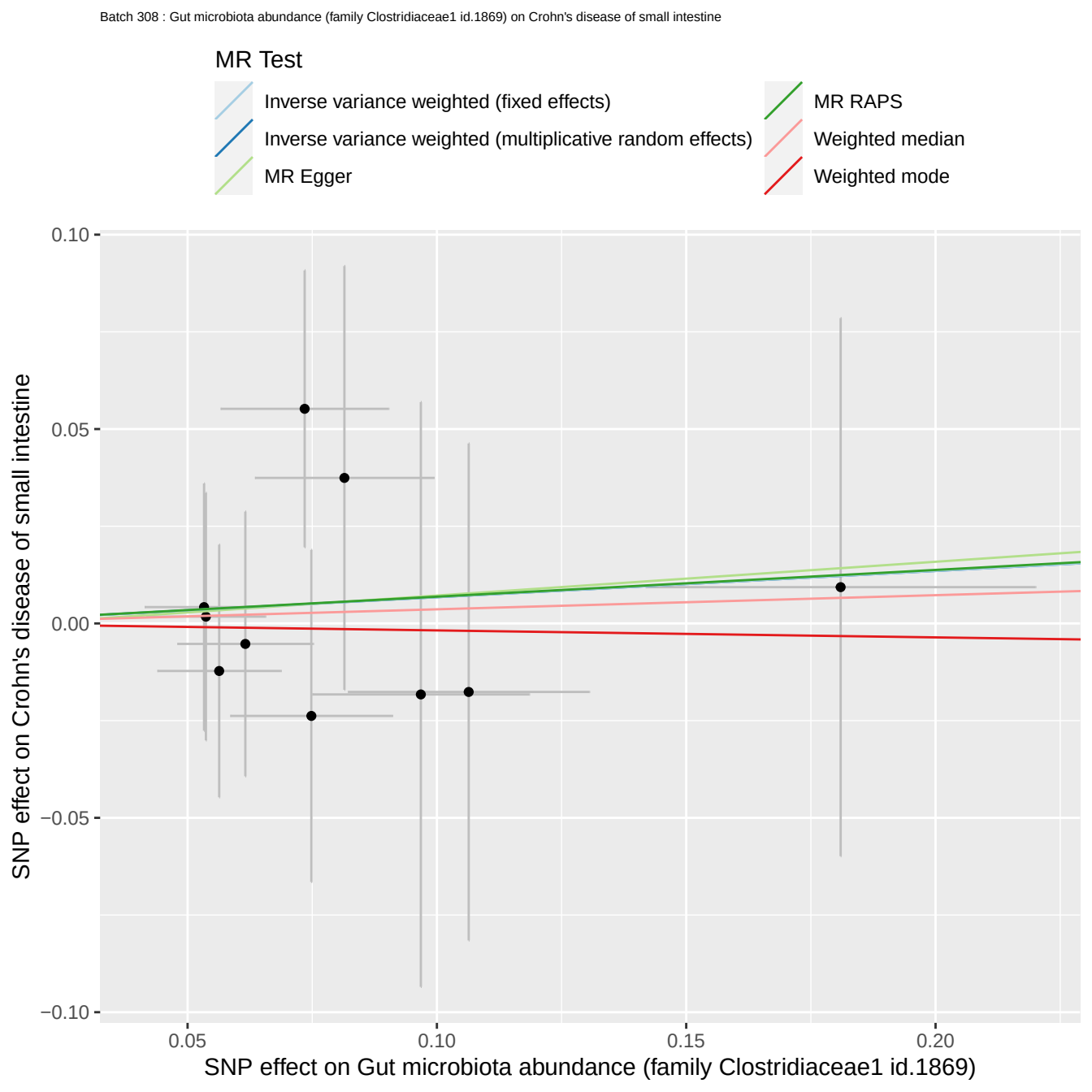

Batch 303 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

Batch 304 : Gut microbiota abundance (family Bacteroidaceae id.917) on Crohn's disease of small intestine

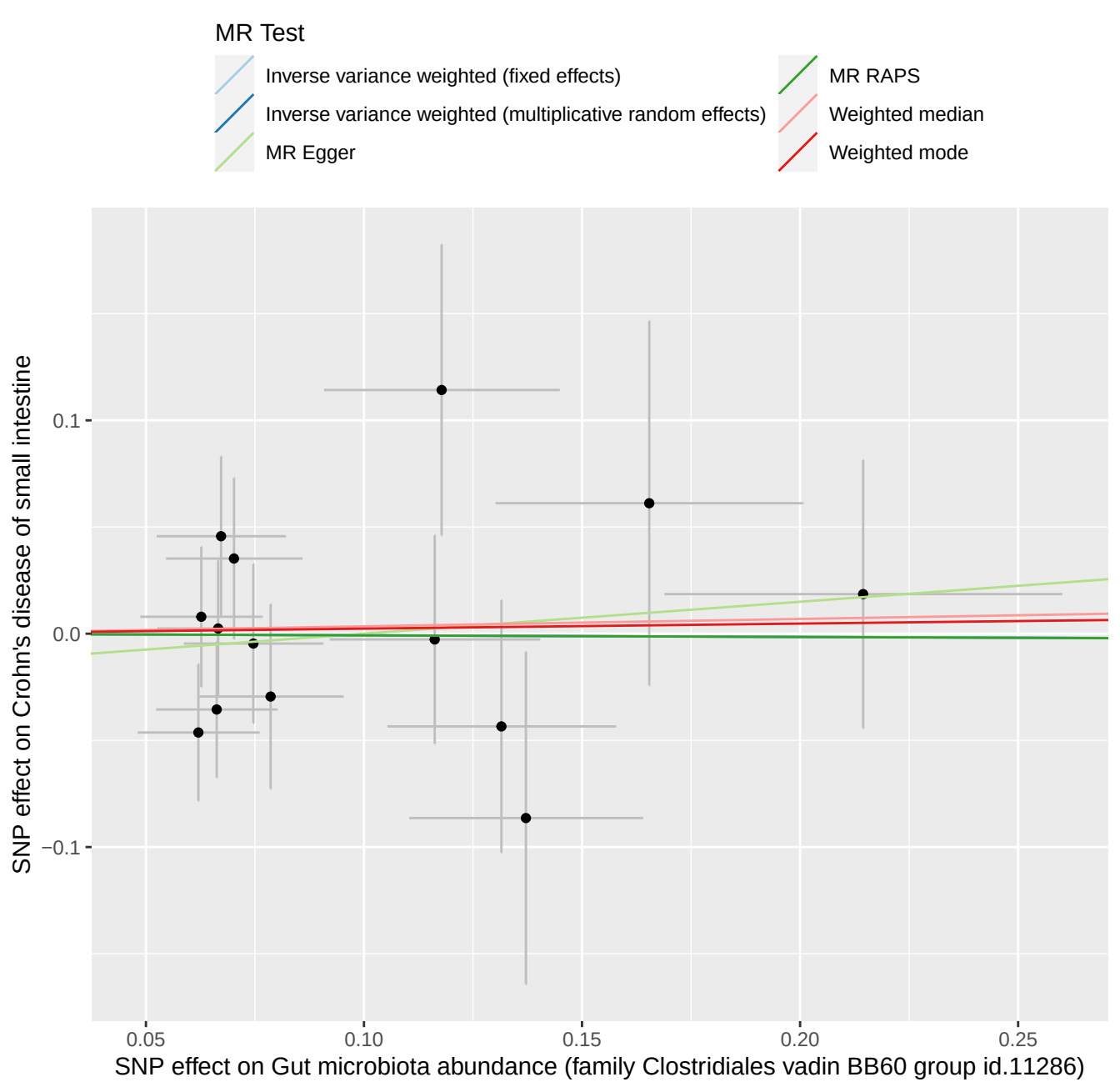


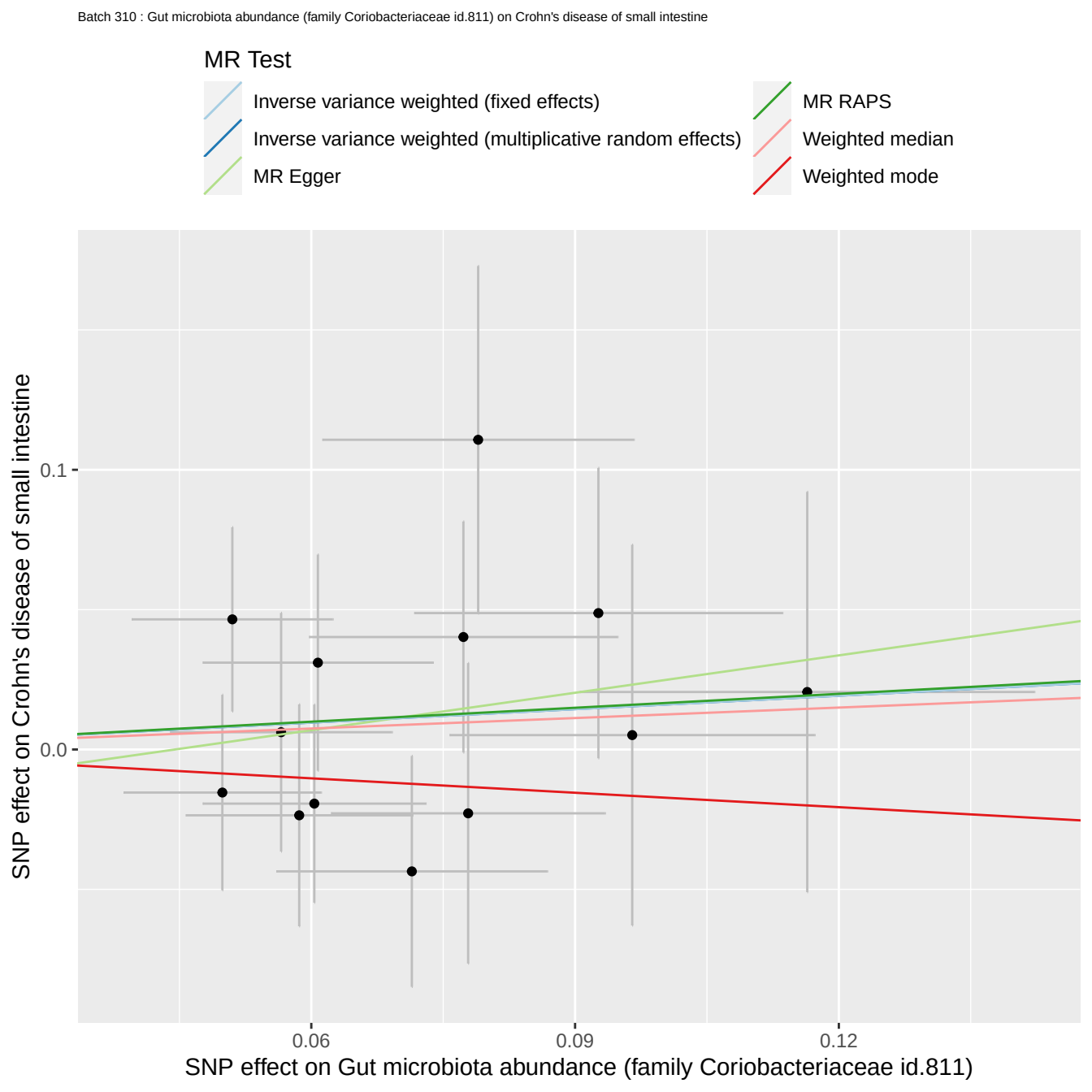

Batch 305 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)


Batch 306 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

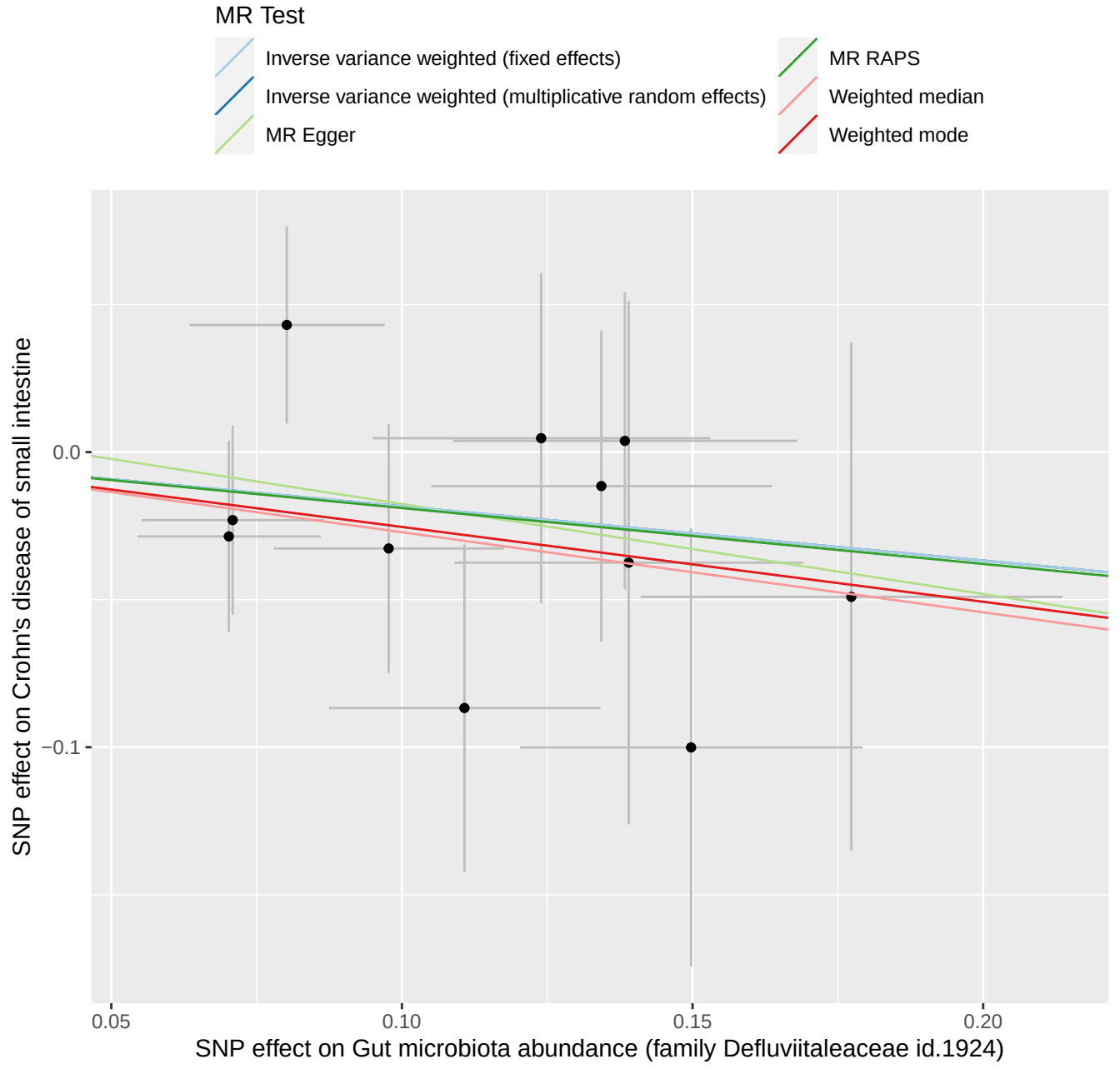

Batch 308 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

Batch 309 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Crohn's disease of small intestine

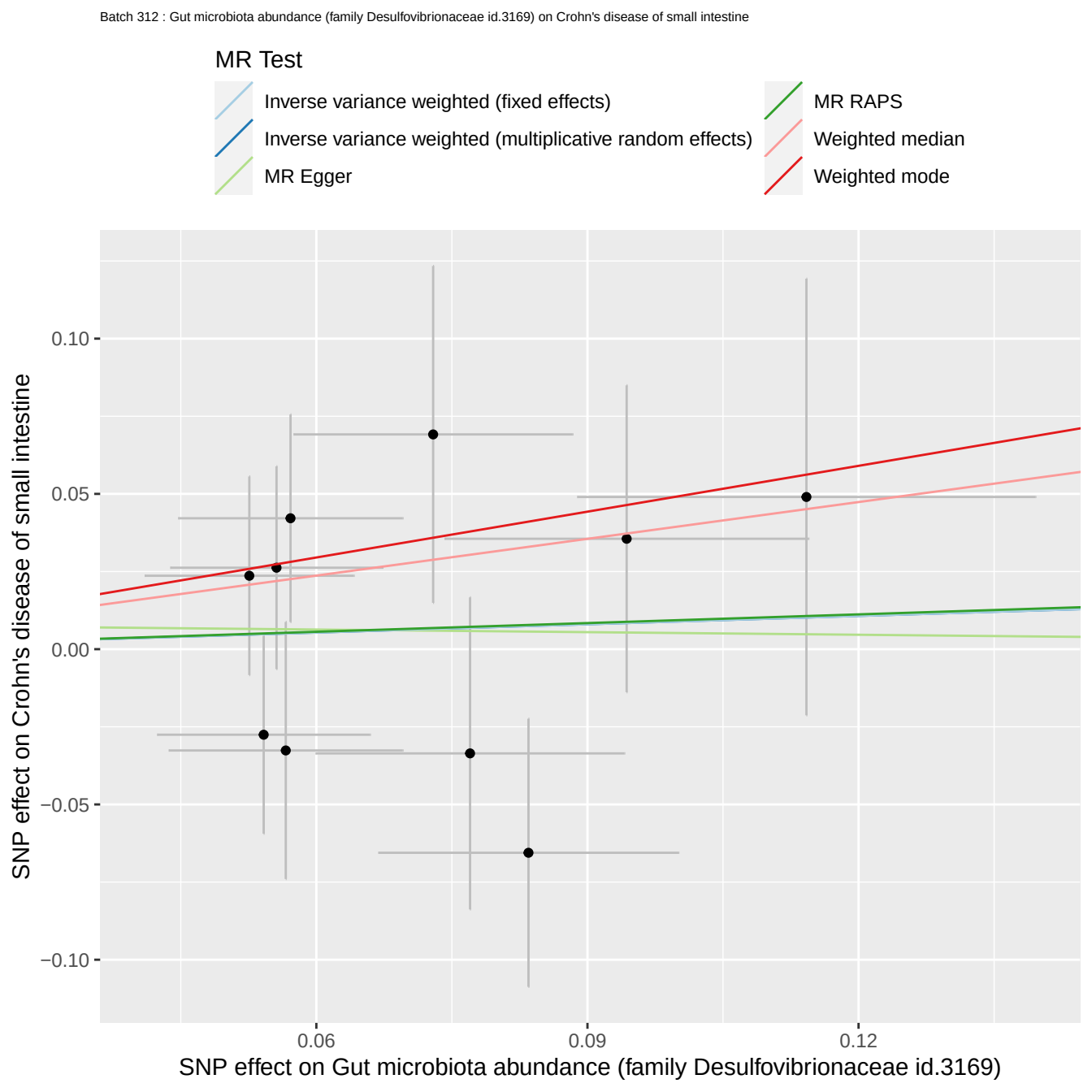



Batch 310 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

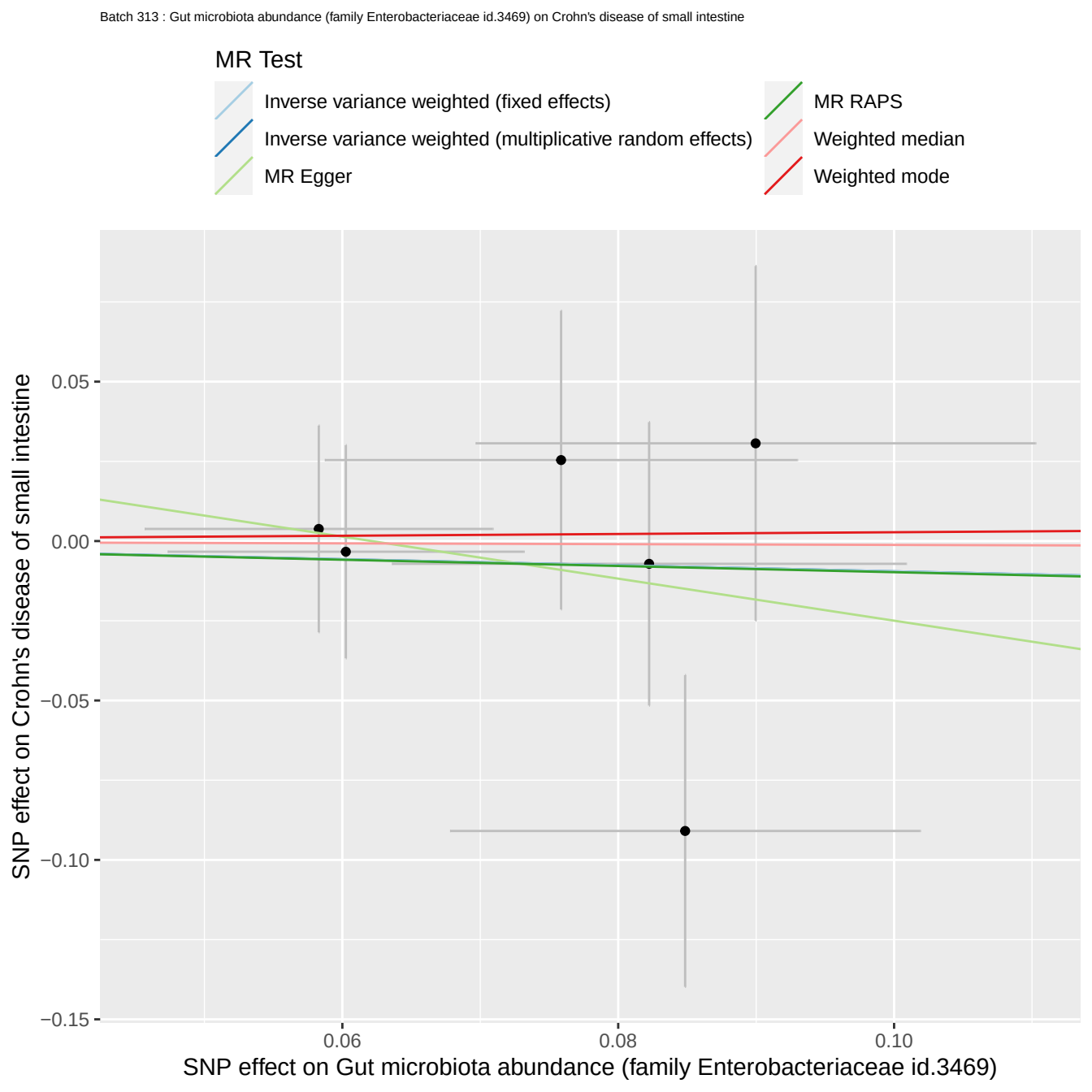
Batch 311 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Crohn's disease of small intestine



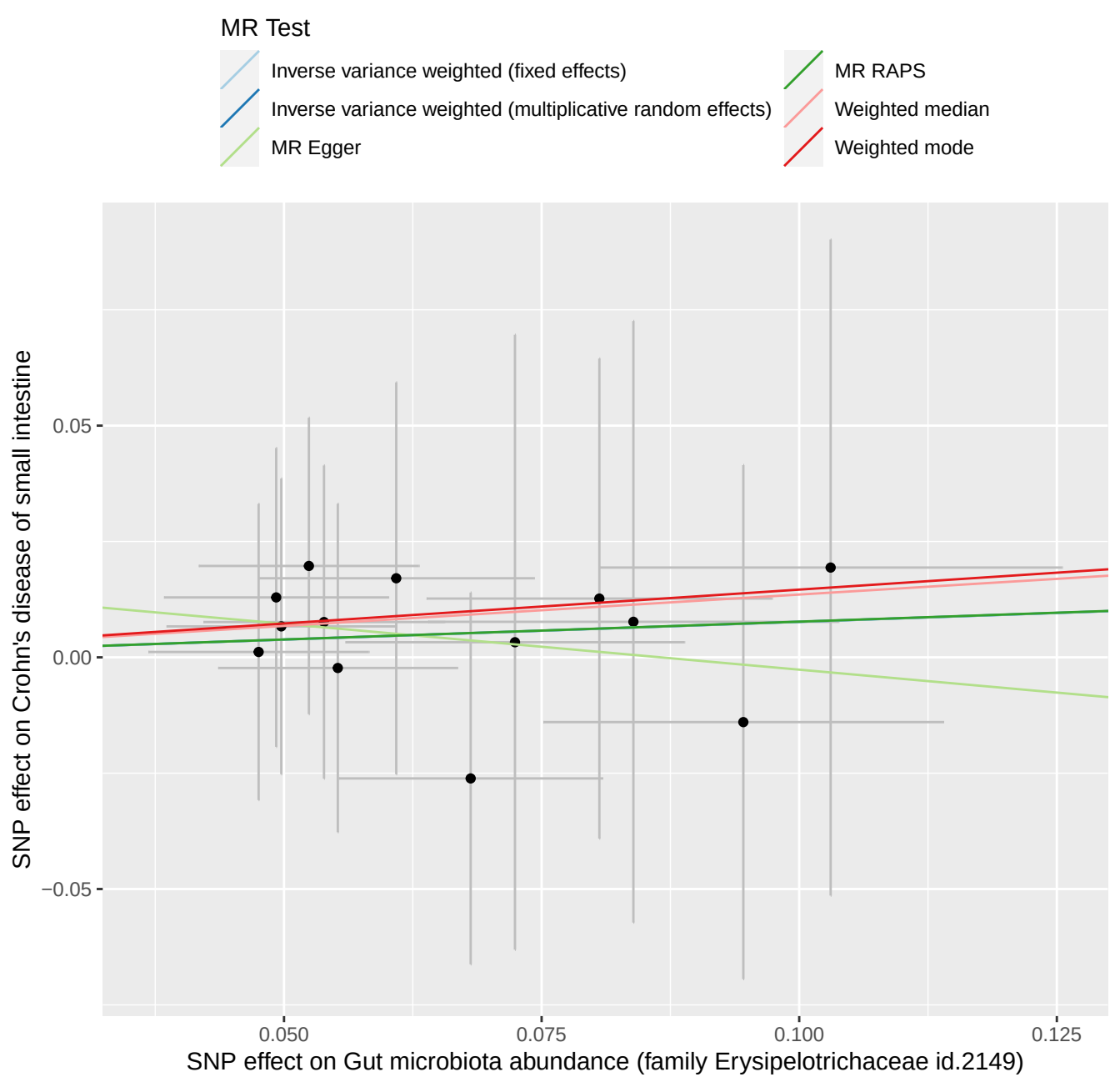
Batch 312 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Crohn's disease of small intestine



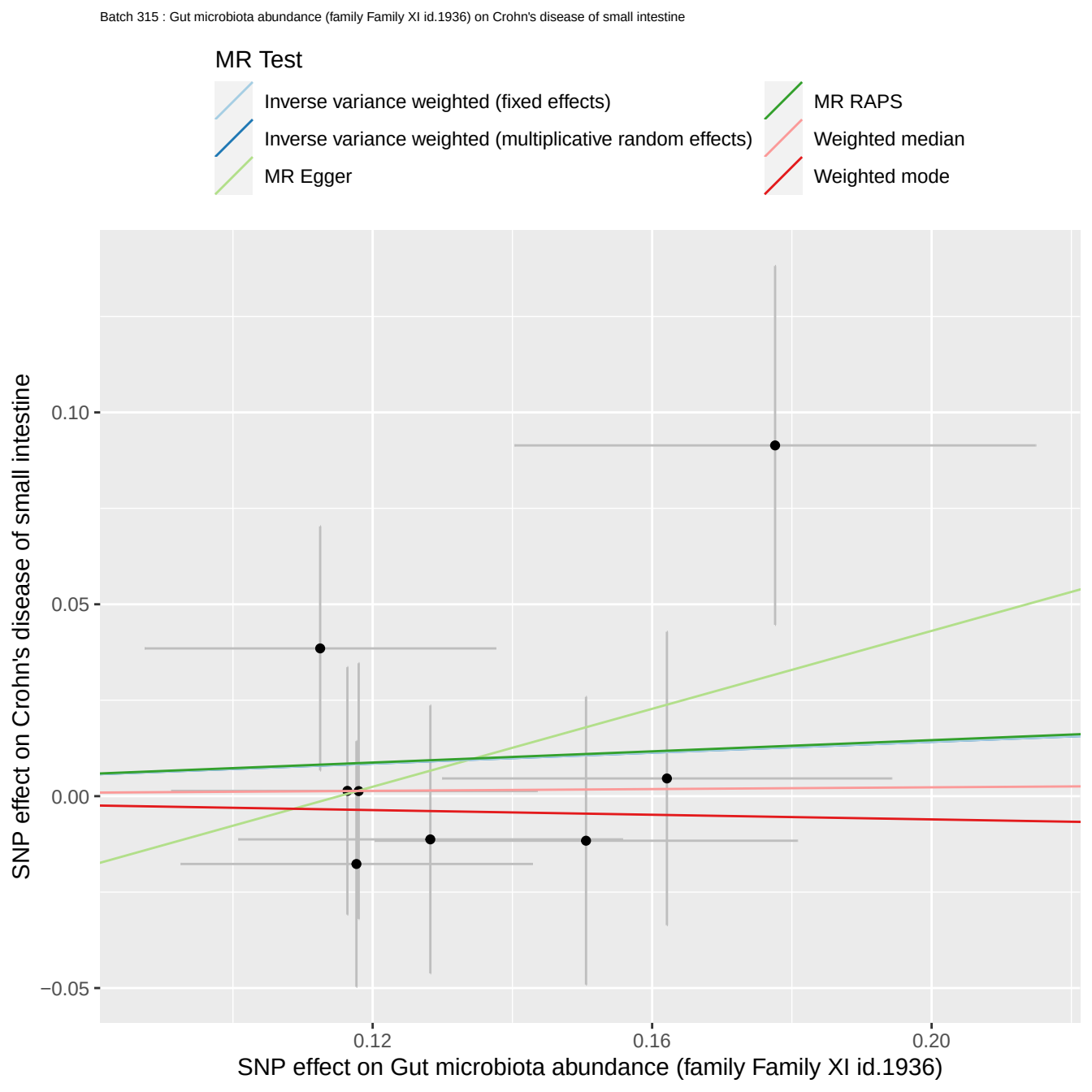
Batch 313 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Crohn's disease of small intestine



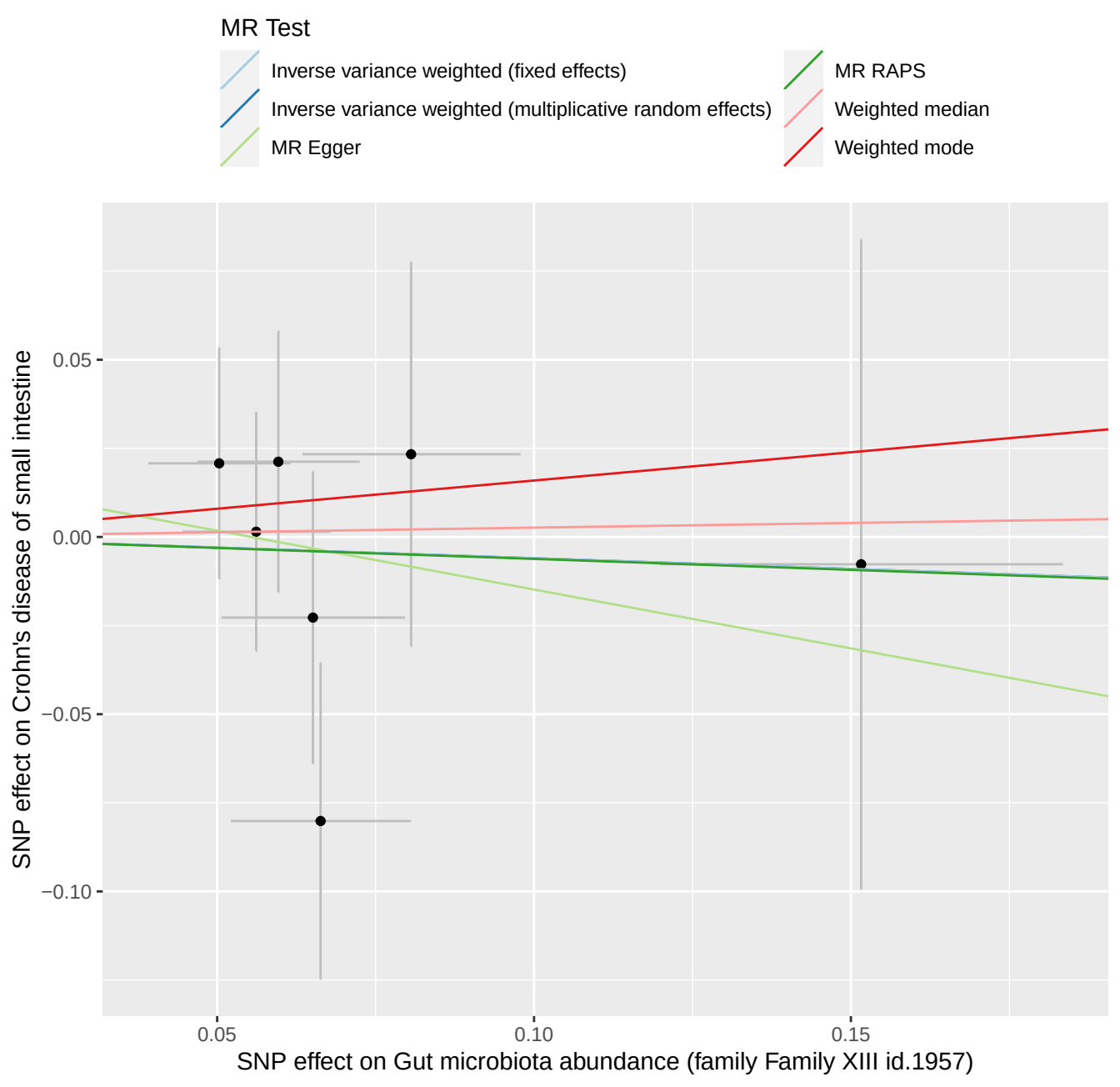
Batch 314 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Crohn's disease of small intestine



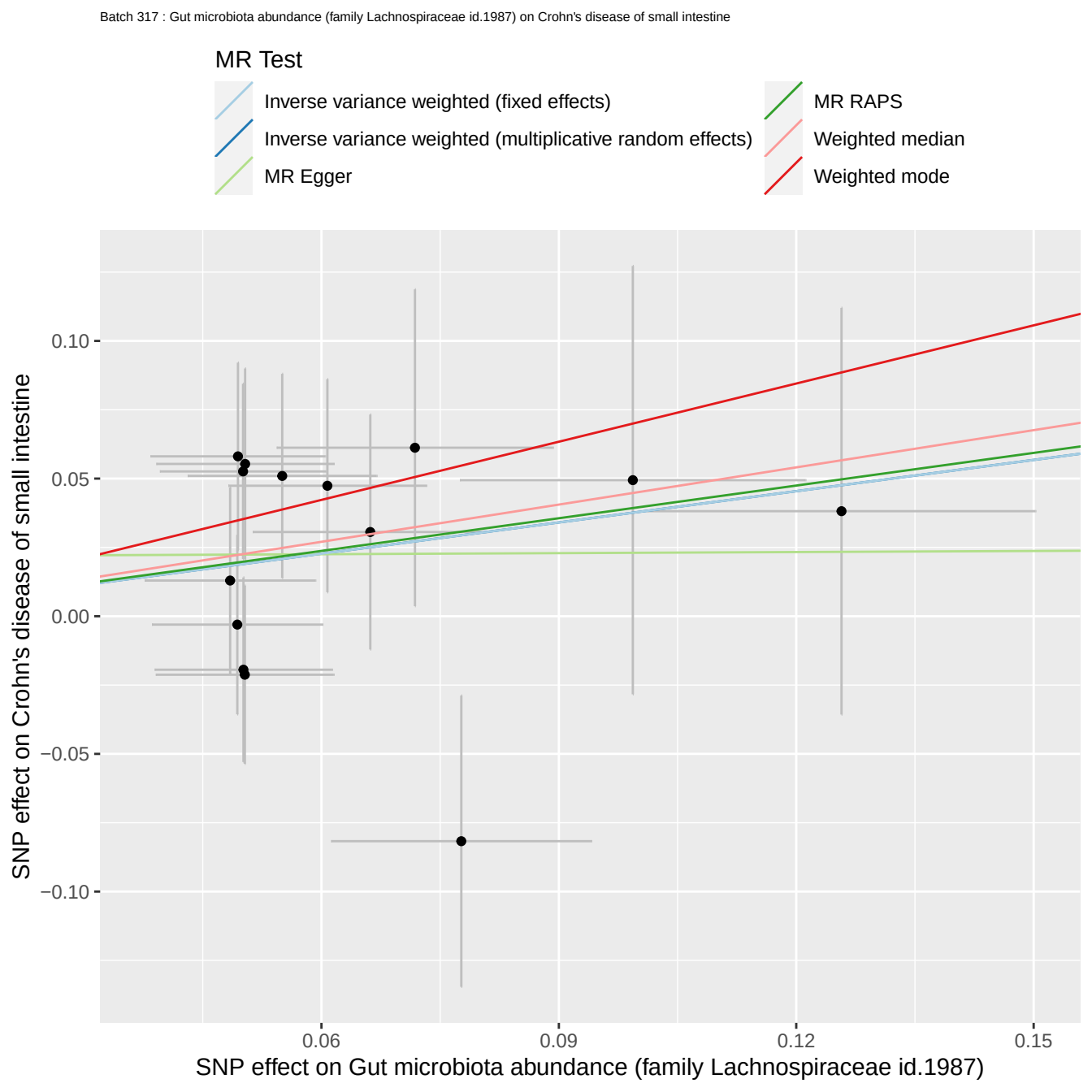
Batch 315 : Gut microbiota abundance (family Family XI id.1936) on Crohn's disease of small intestine

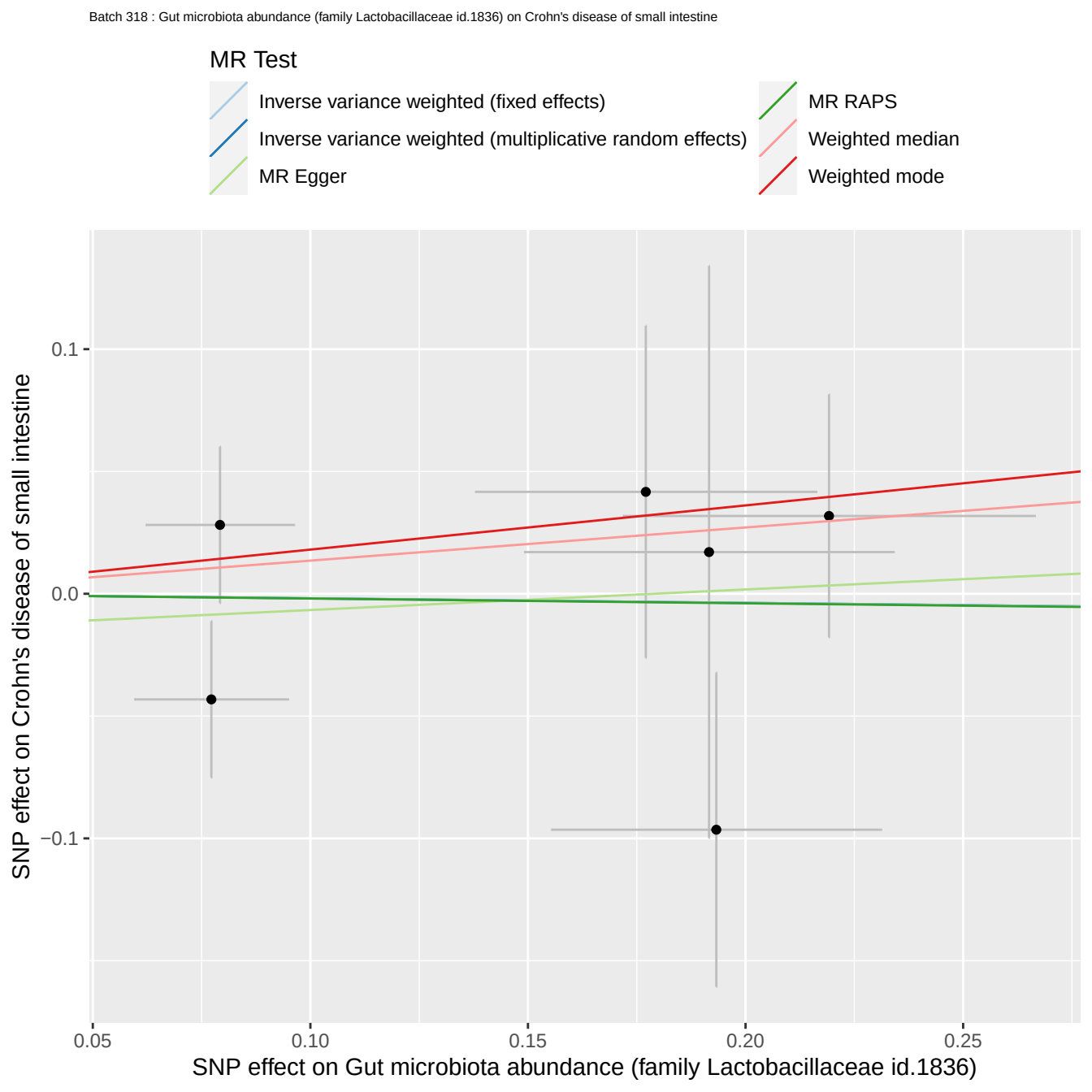


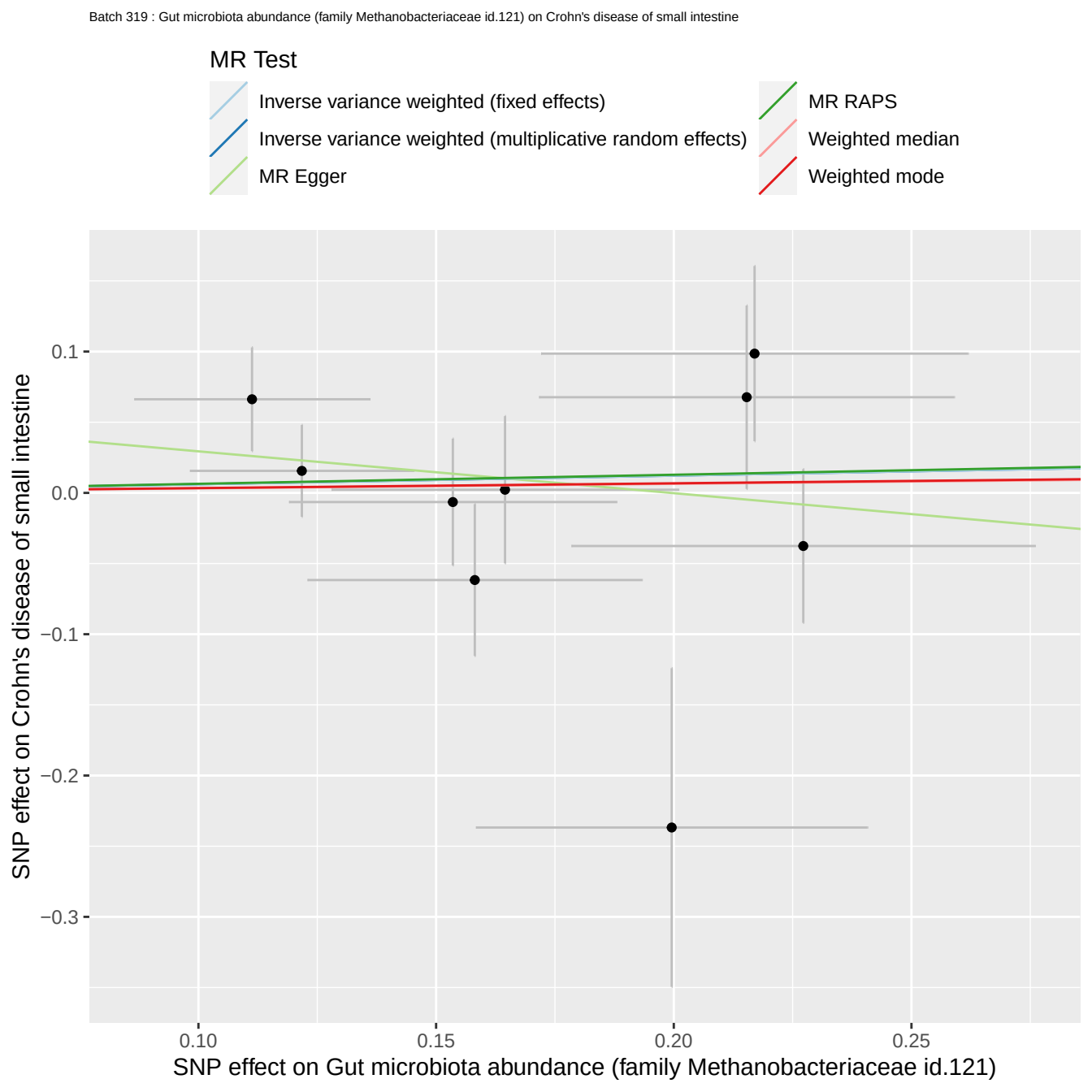
Batch 316 : Gut microbiota abundance (family Family XIII id.1957) on Crohn's disease of small intestine

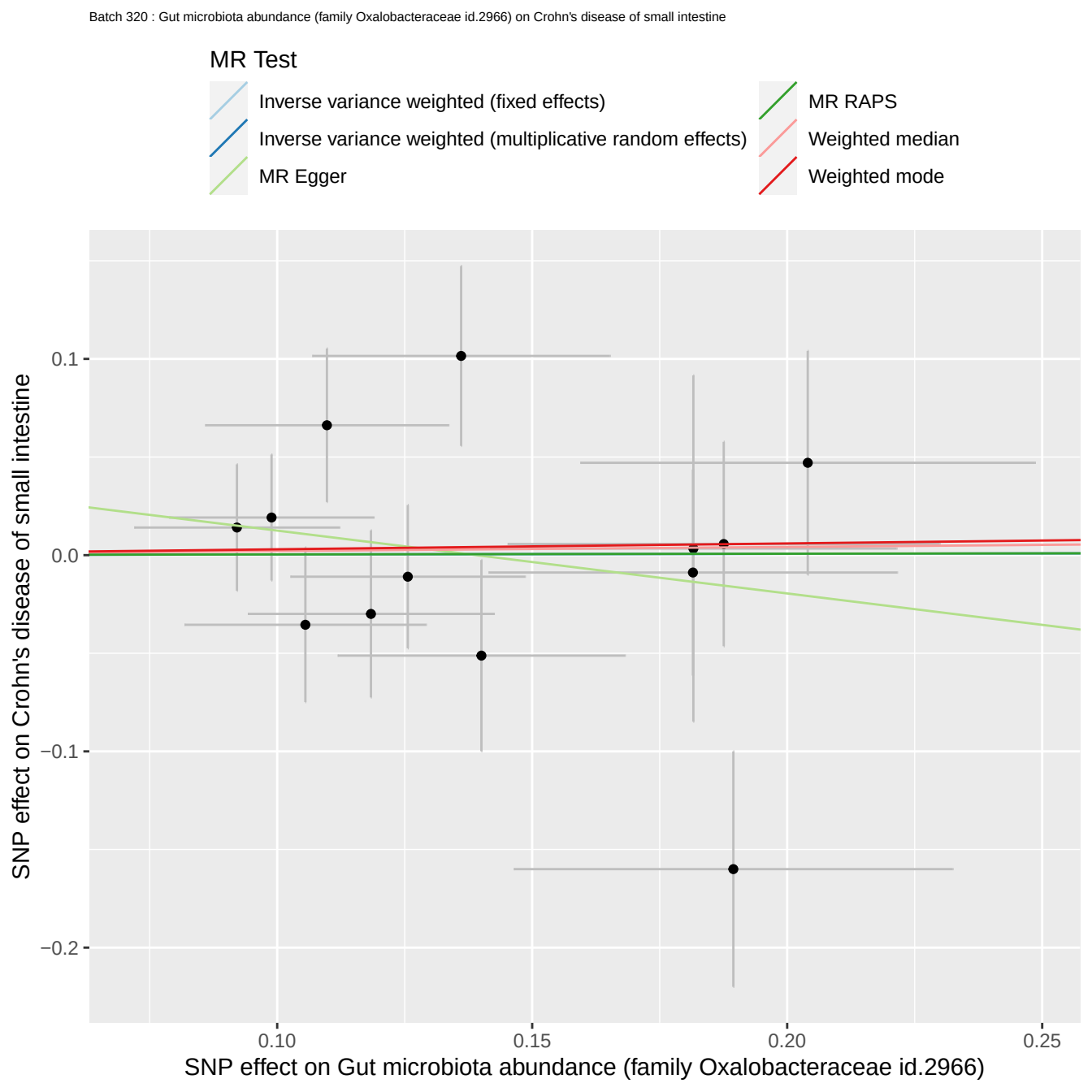


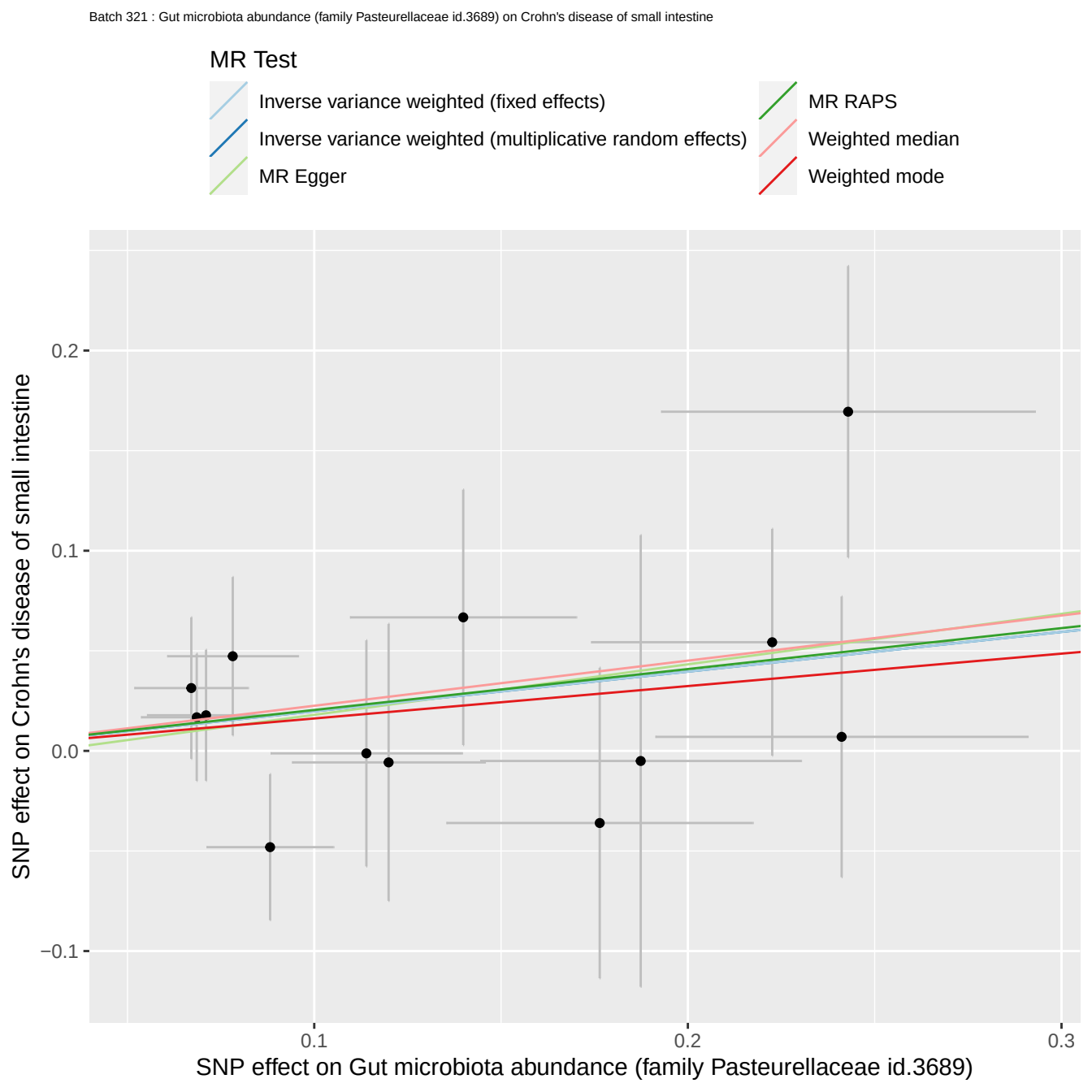
Batch 317 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Crohn's disease of small intestine



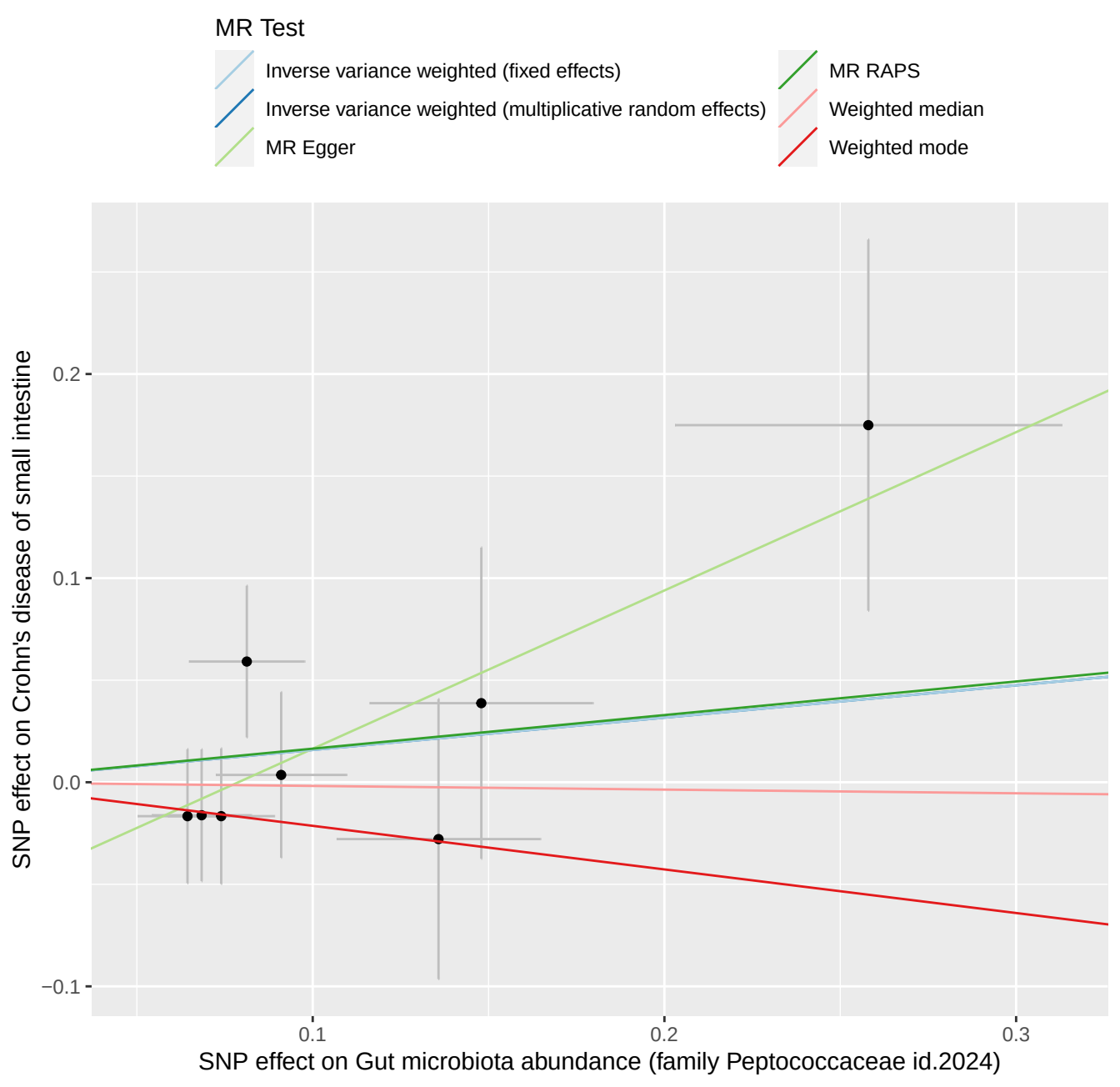

Batch 318 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)


Batch 319 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

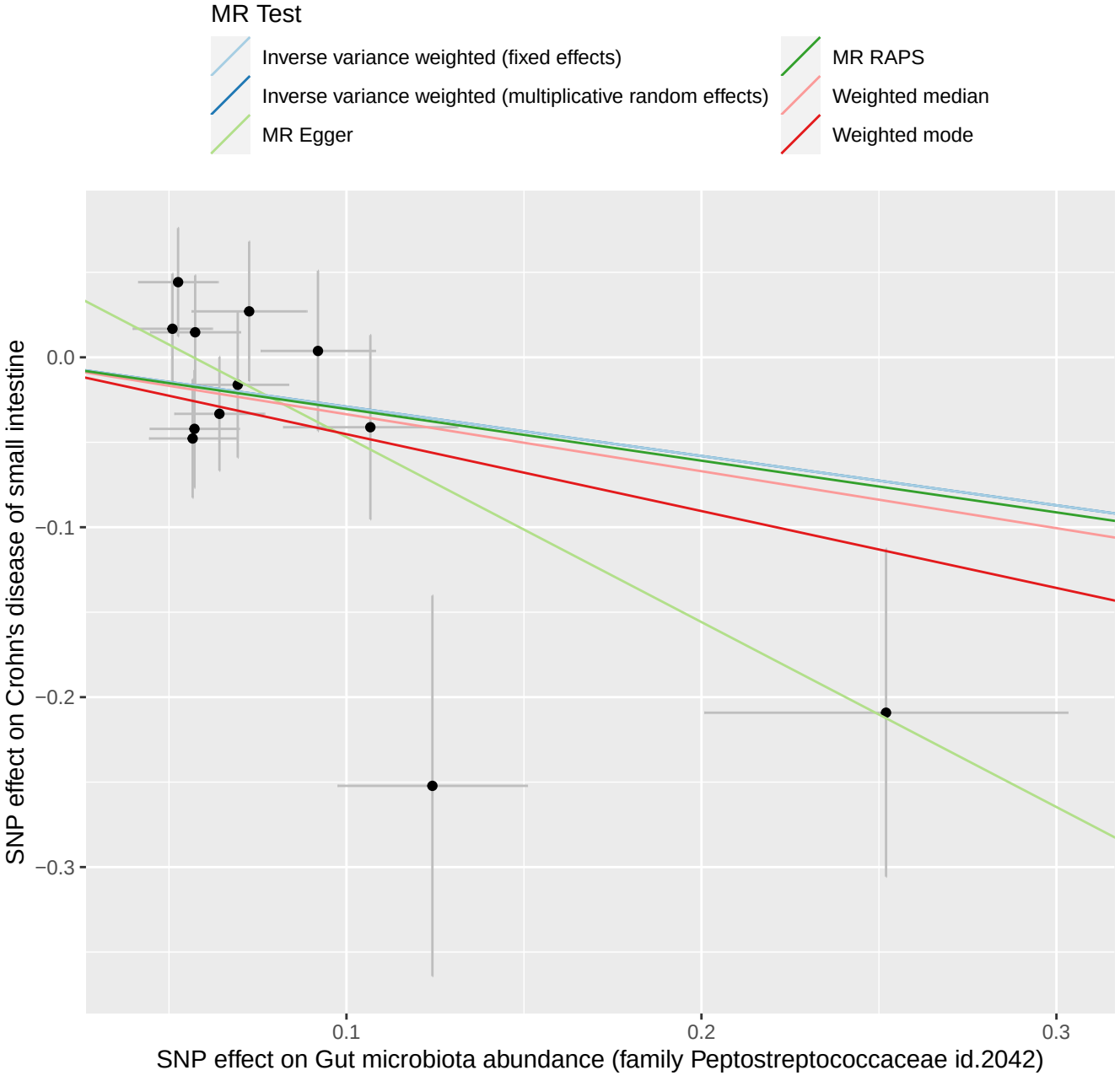

Batch 320 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)

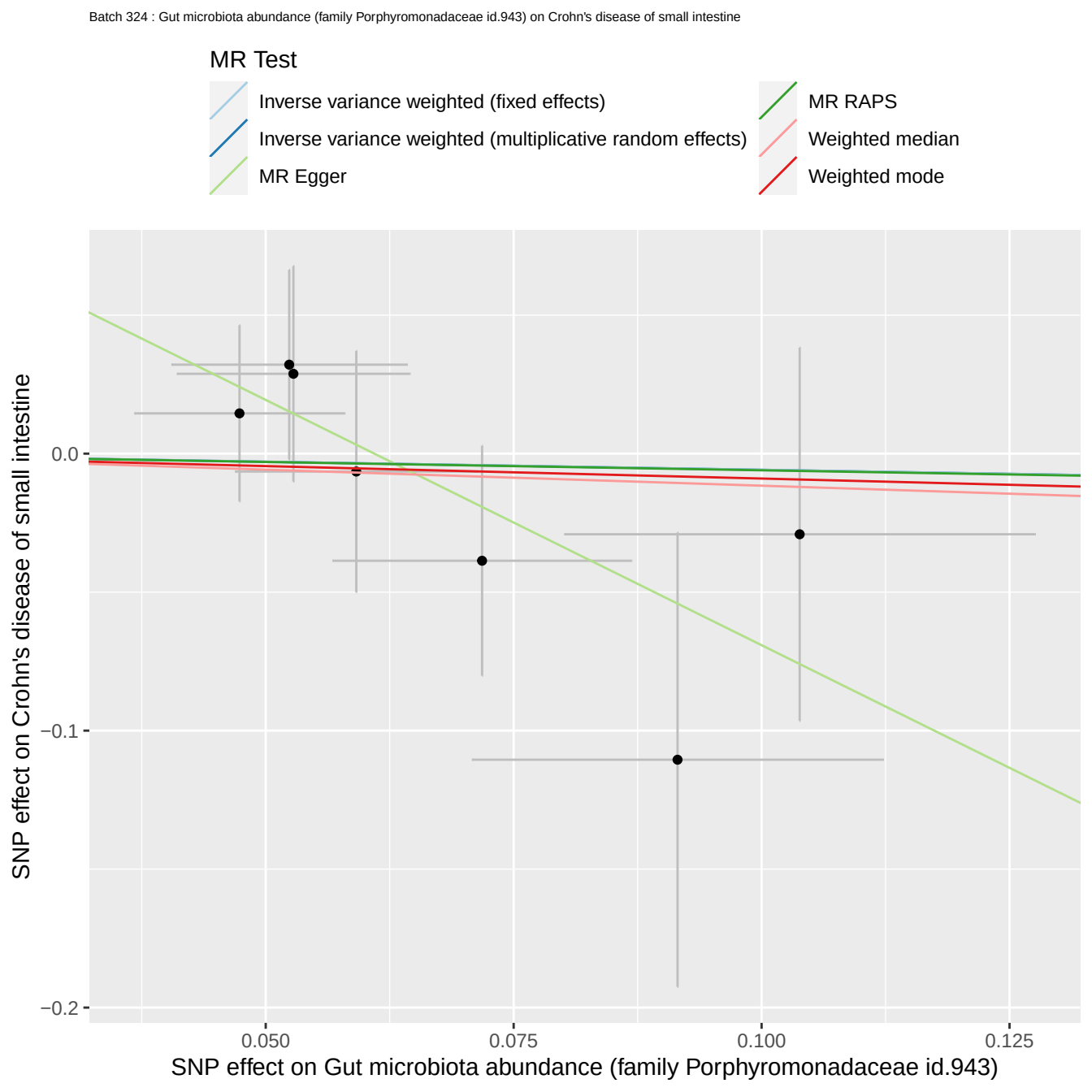

Batch 321 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

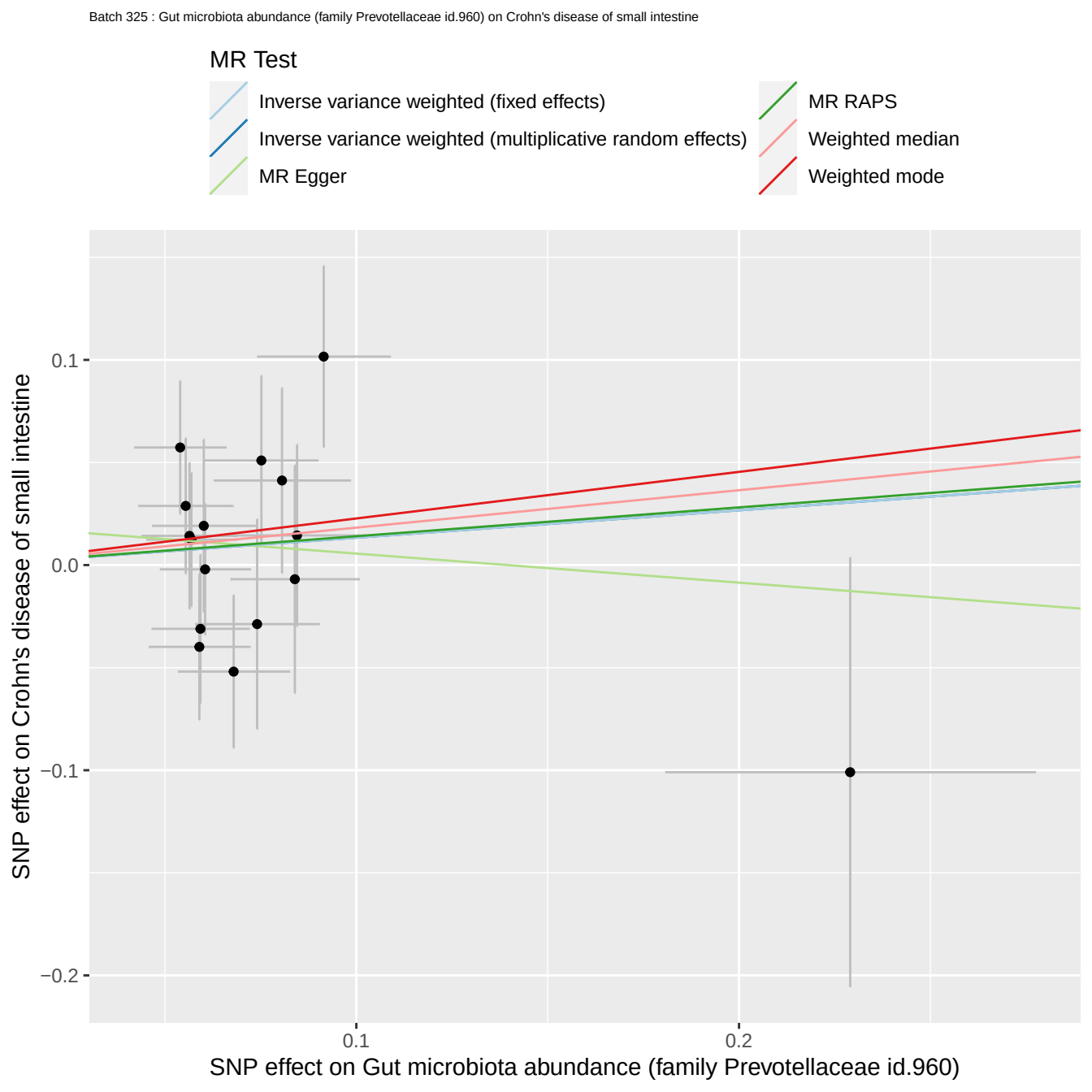
Batch 322 : Gut microbiota abundance (family Peptococcaceae id.2024) on Crohn's disease of small intestine

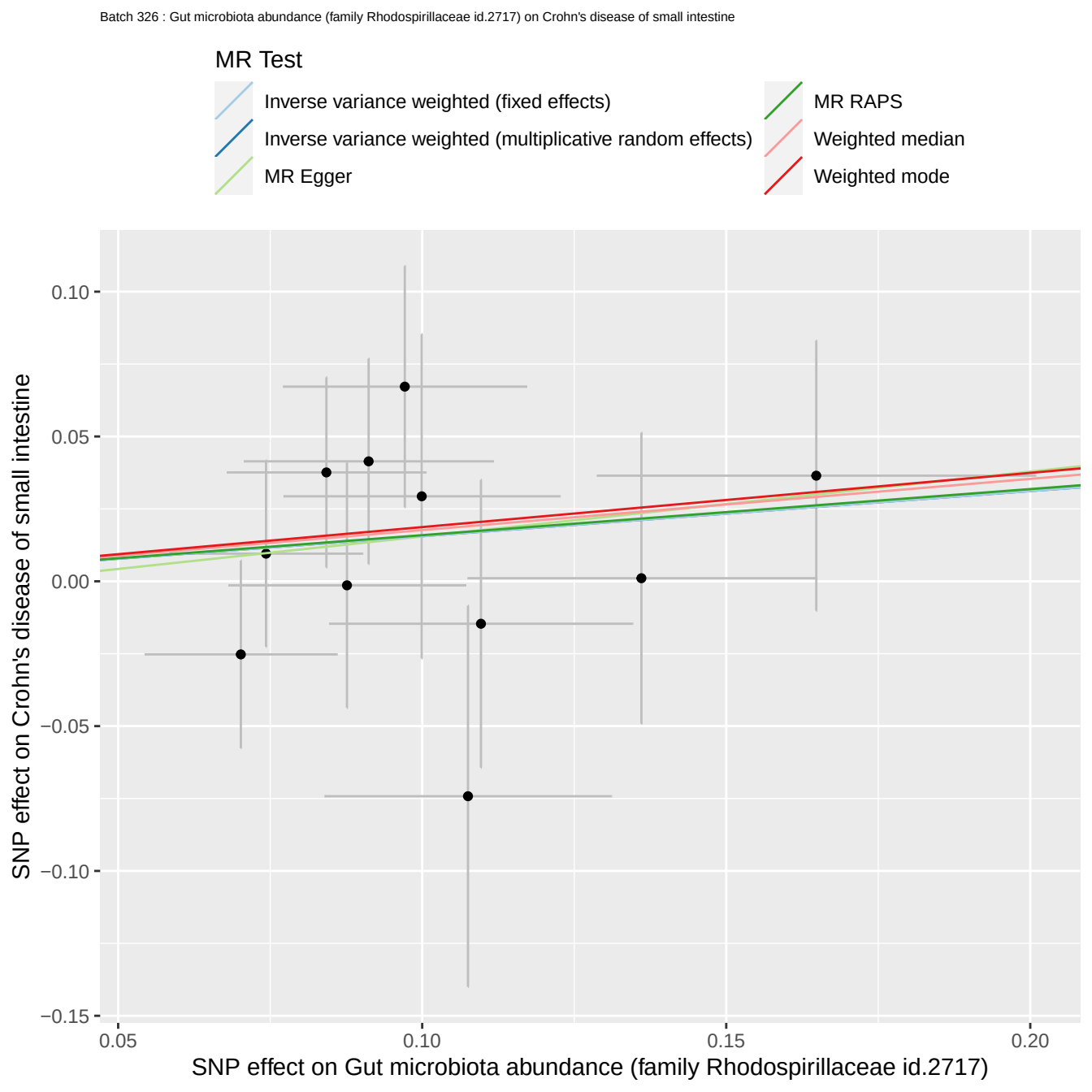


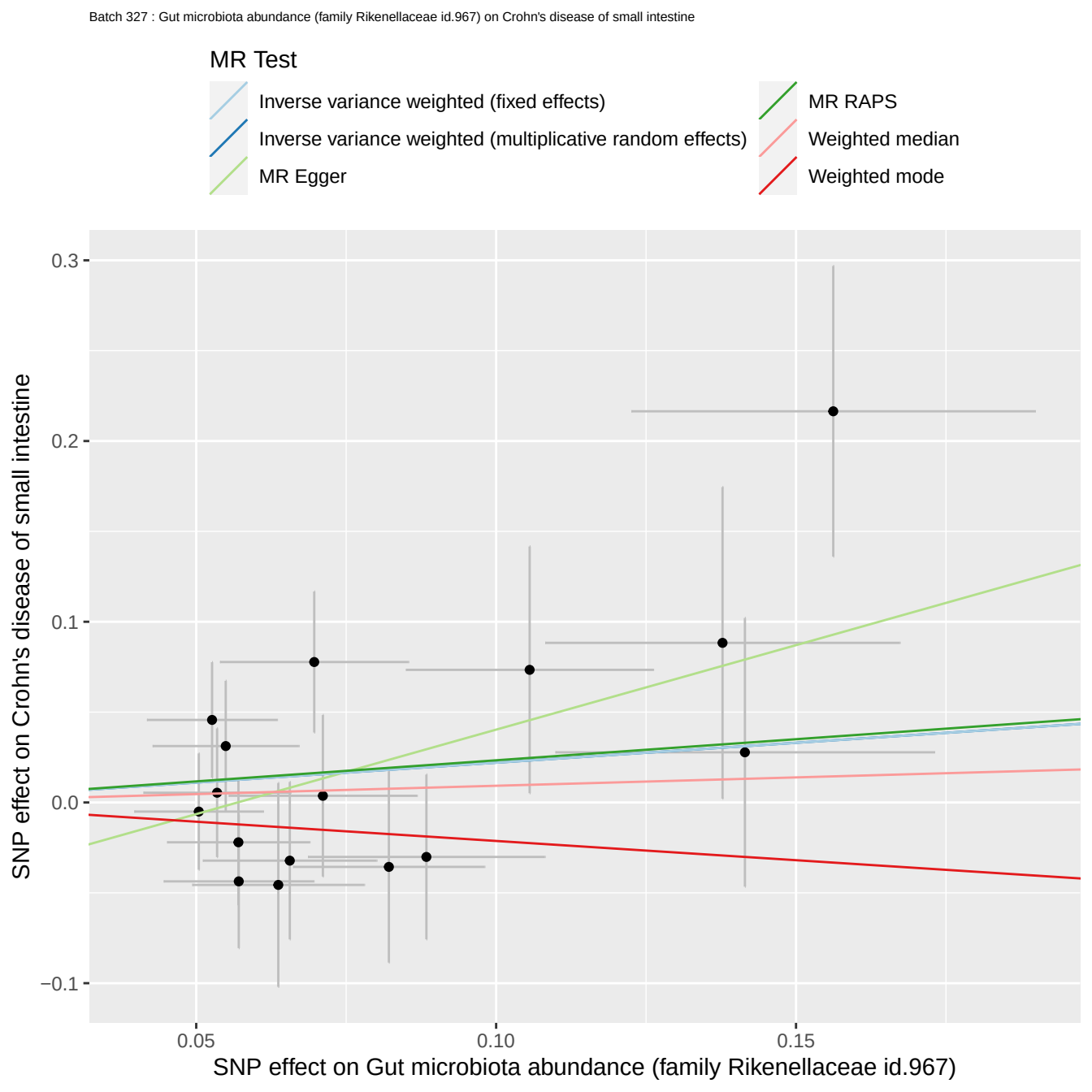
Batch 323 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Crohn's disease of small intestine




Batch 324 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

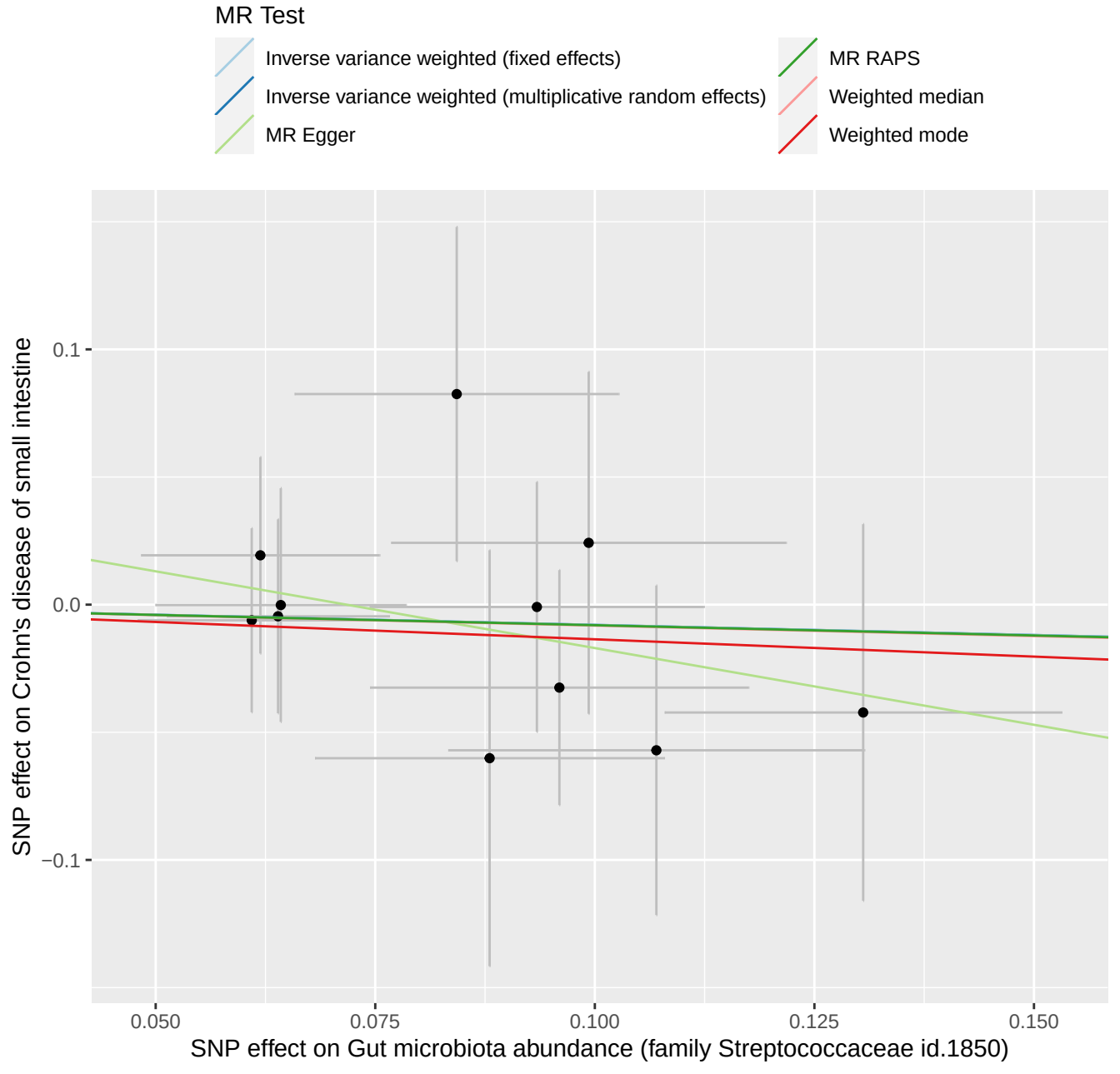

Batch 325 : Gut microbiota abundance (family Prevotellaceae id.960) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

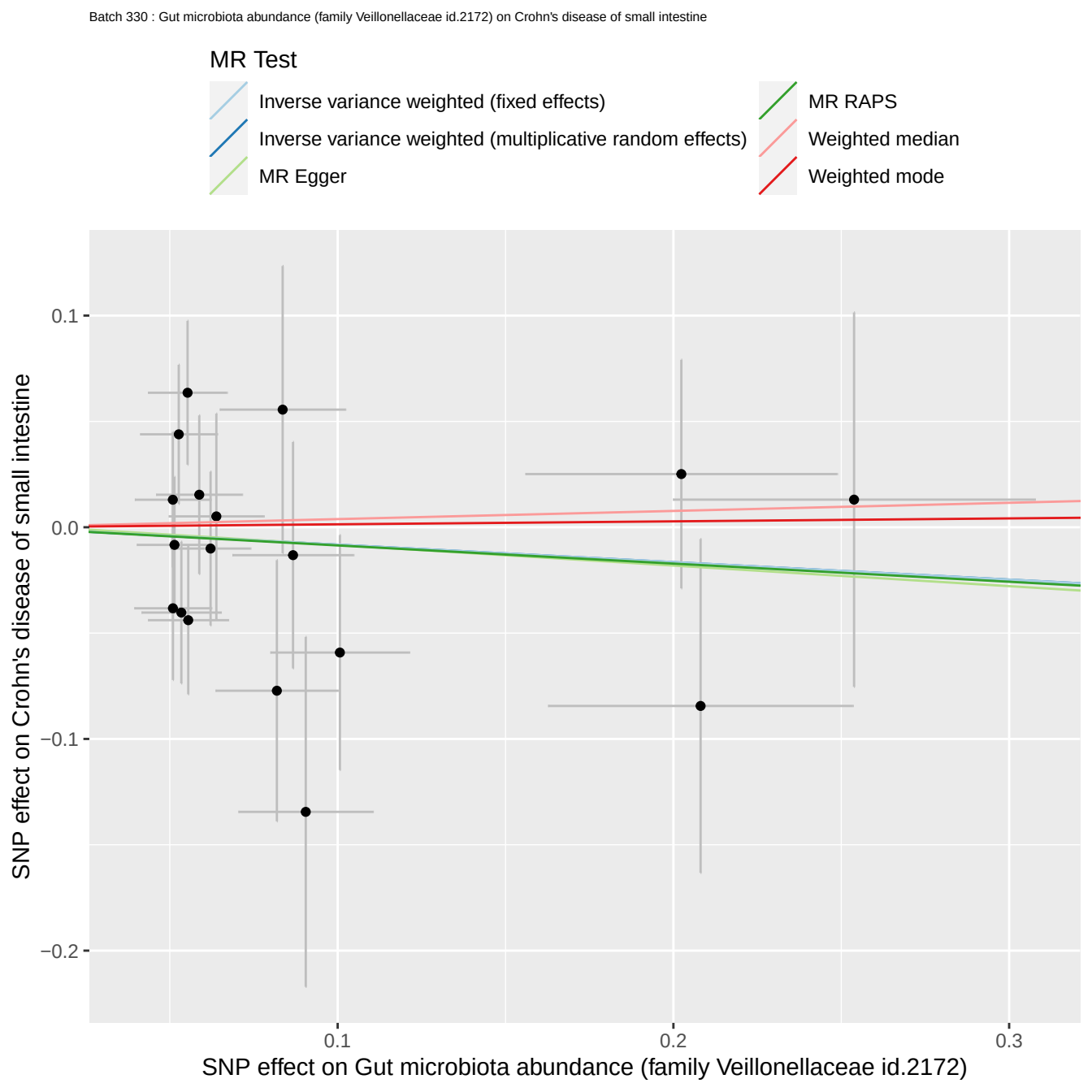

Batch 326 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)

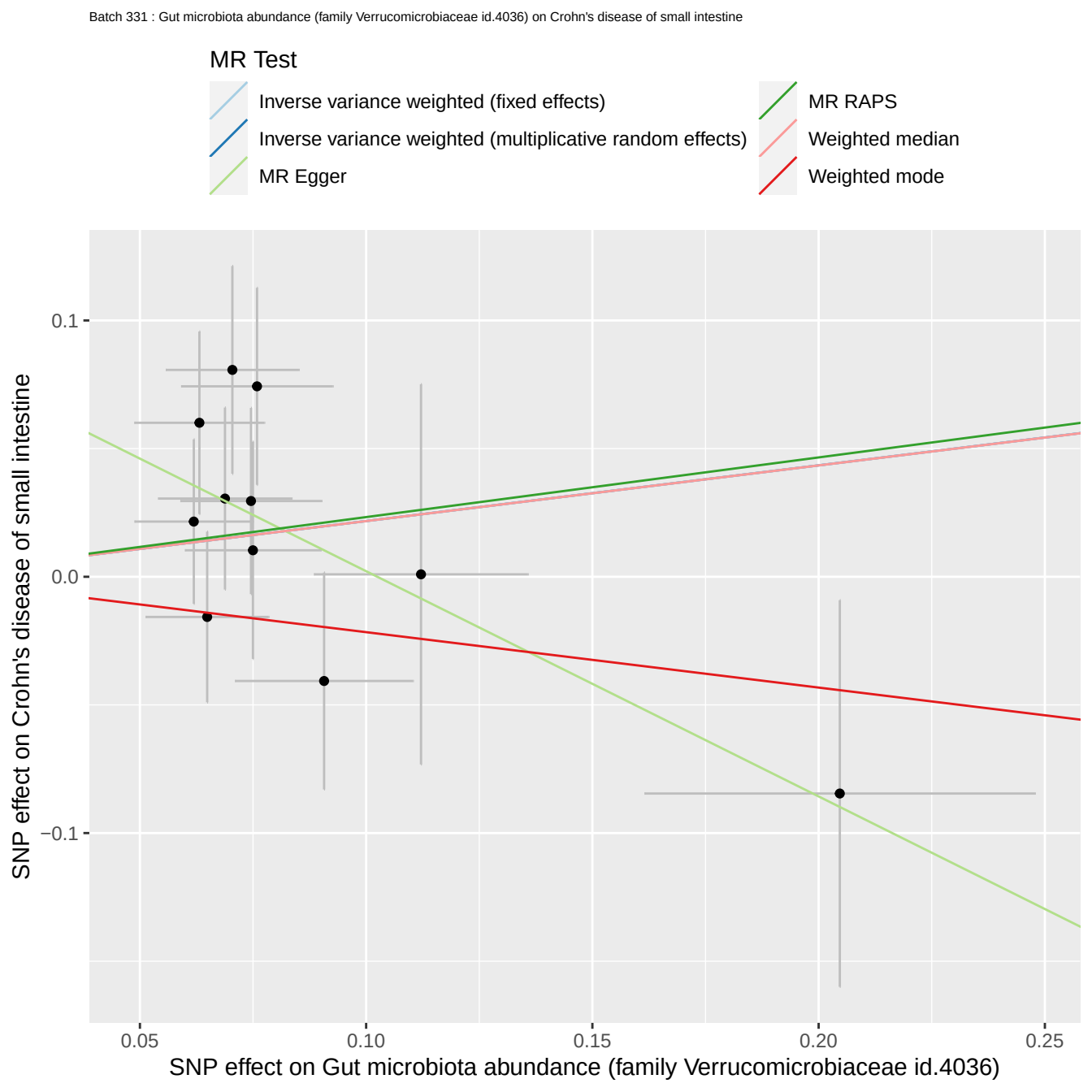

Batch 327 : Gut microbiota abundance (family Rikenellaceae id.967) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

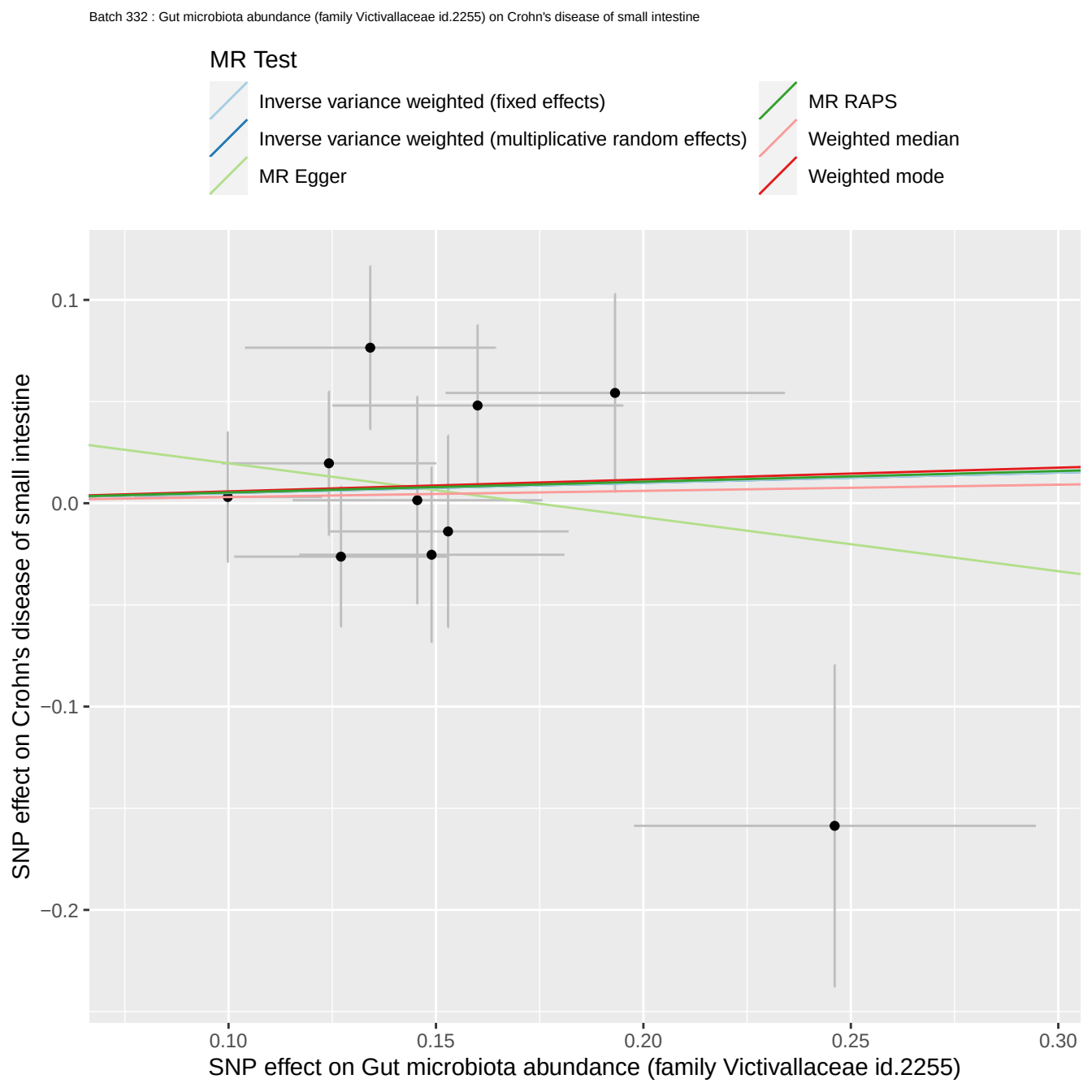
Batch 328 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

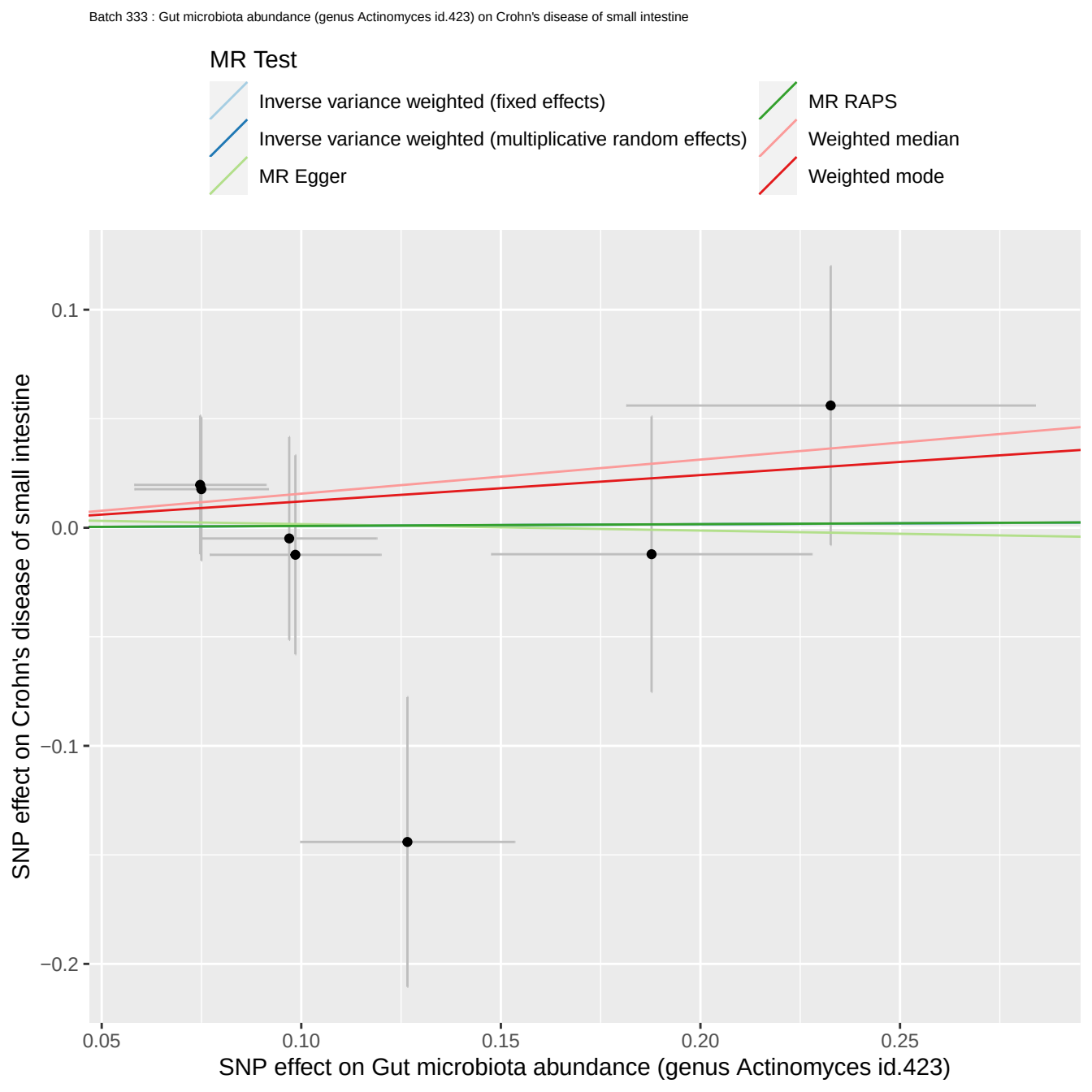
Batch 329 : Gut microbiota abundance (family Streptococcaceae id.1850) on Crohn's disease of small intestine



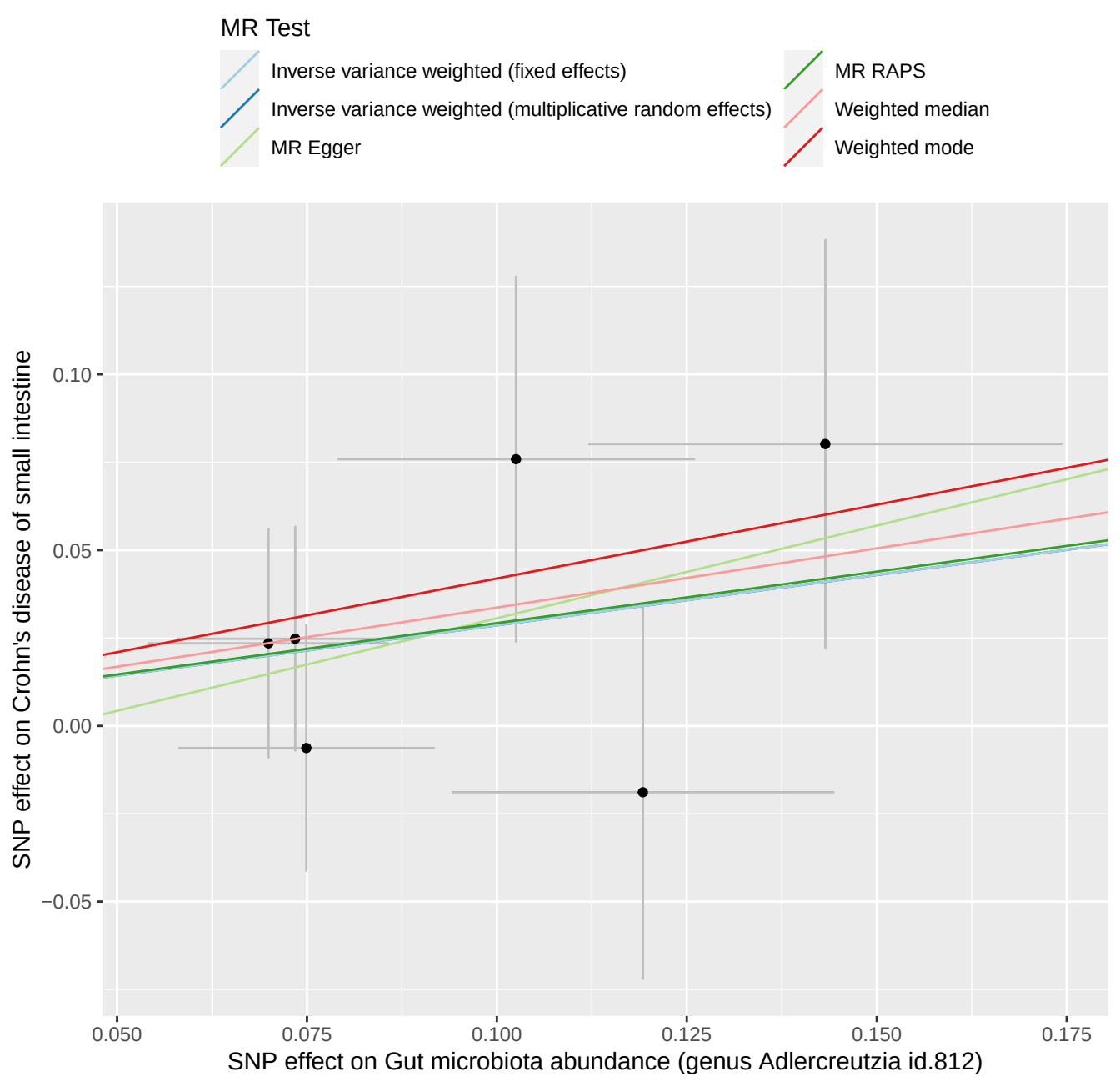

Batch 330 : Gut microbiota abundance (family Veillonellaceae id.2172) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

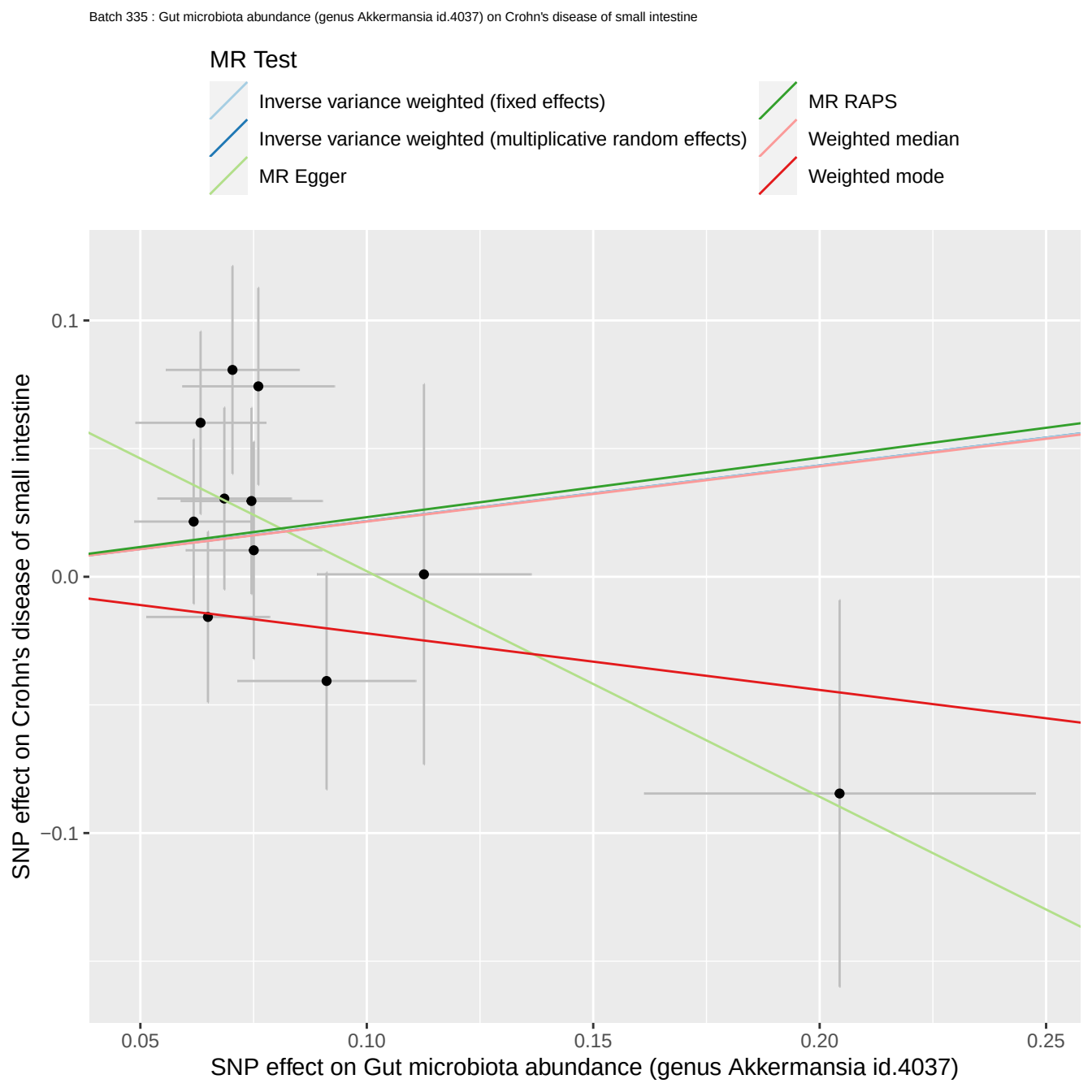

Batch 331 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

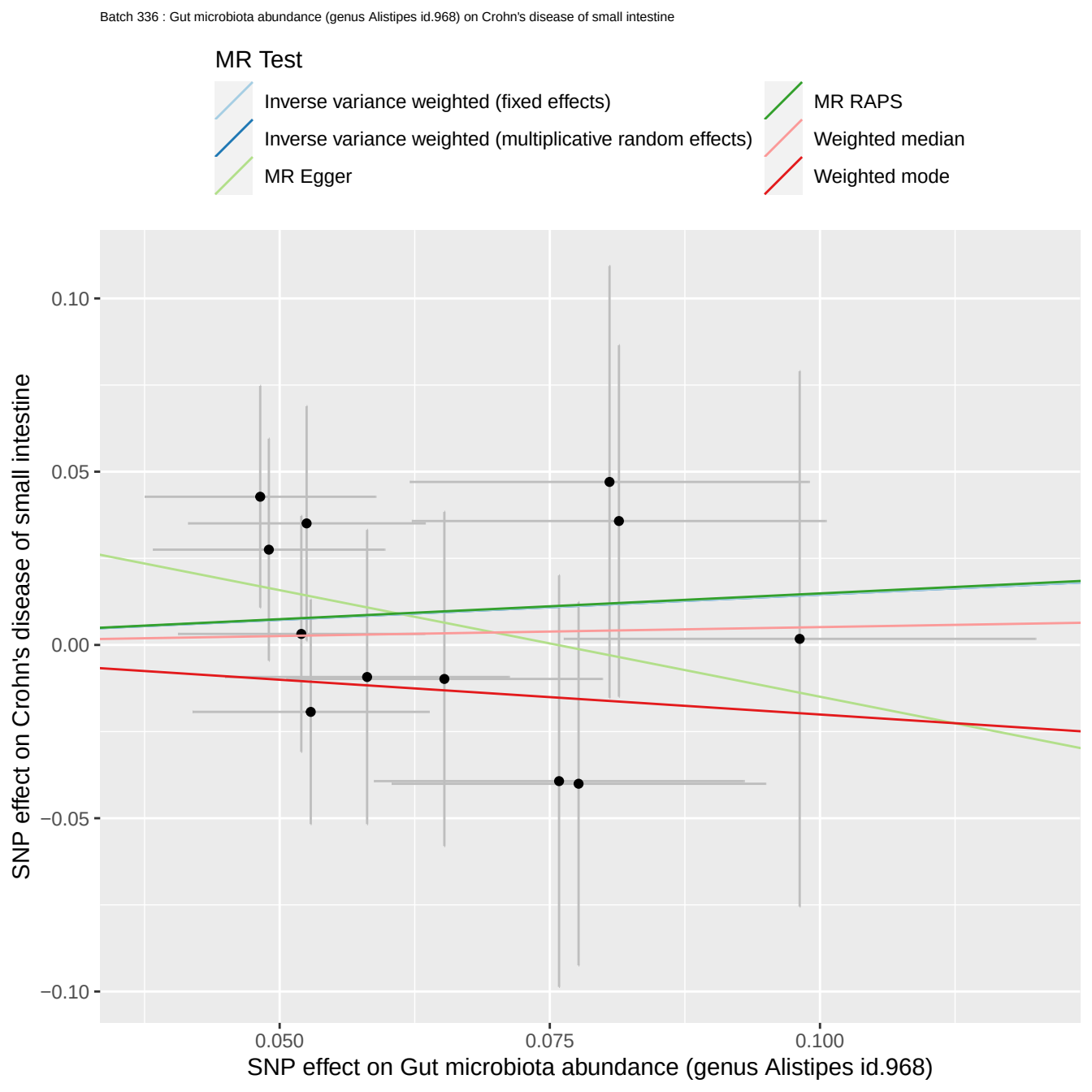

Batch 332 : Gut microbiota abundance (family Victivallaceae id.2255) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Victivallaceae id.2255)


Batch 333 : Gut microbiota abundance (genus Actinomyces id.423) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

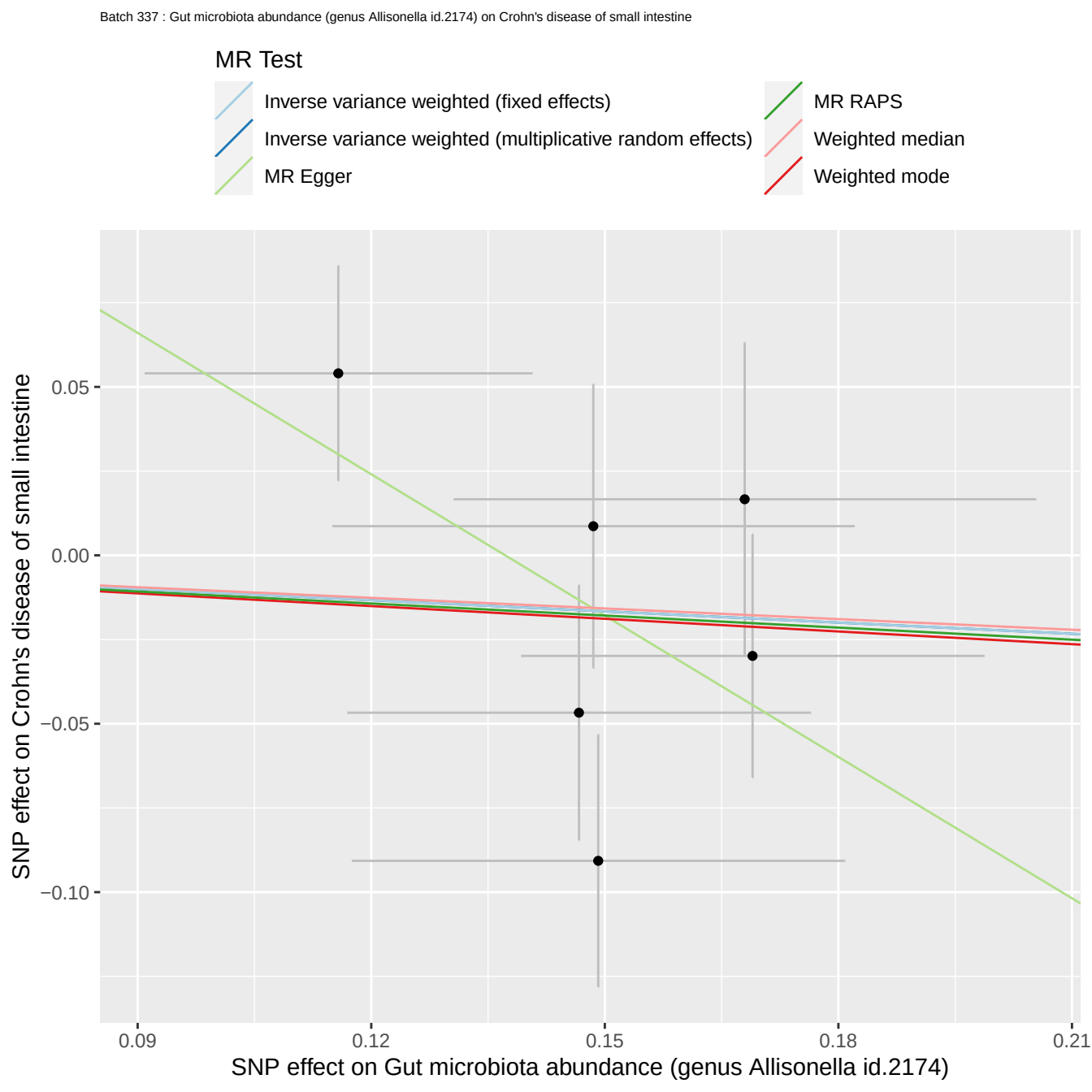
Batch 334 : Gut microbiota abundance (genus Adlercreutzia id.812) on Crohn's disease of small intestine



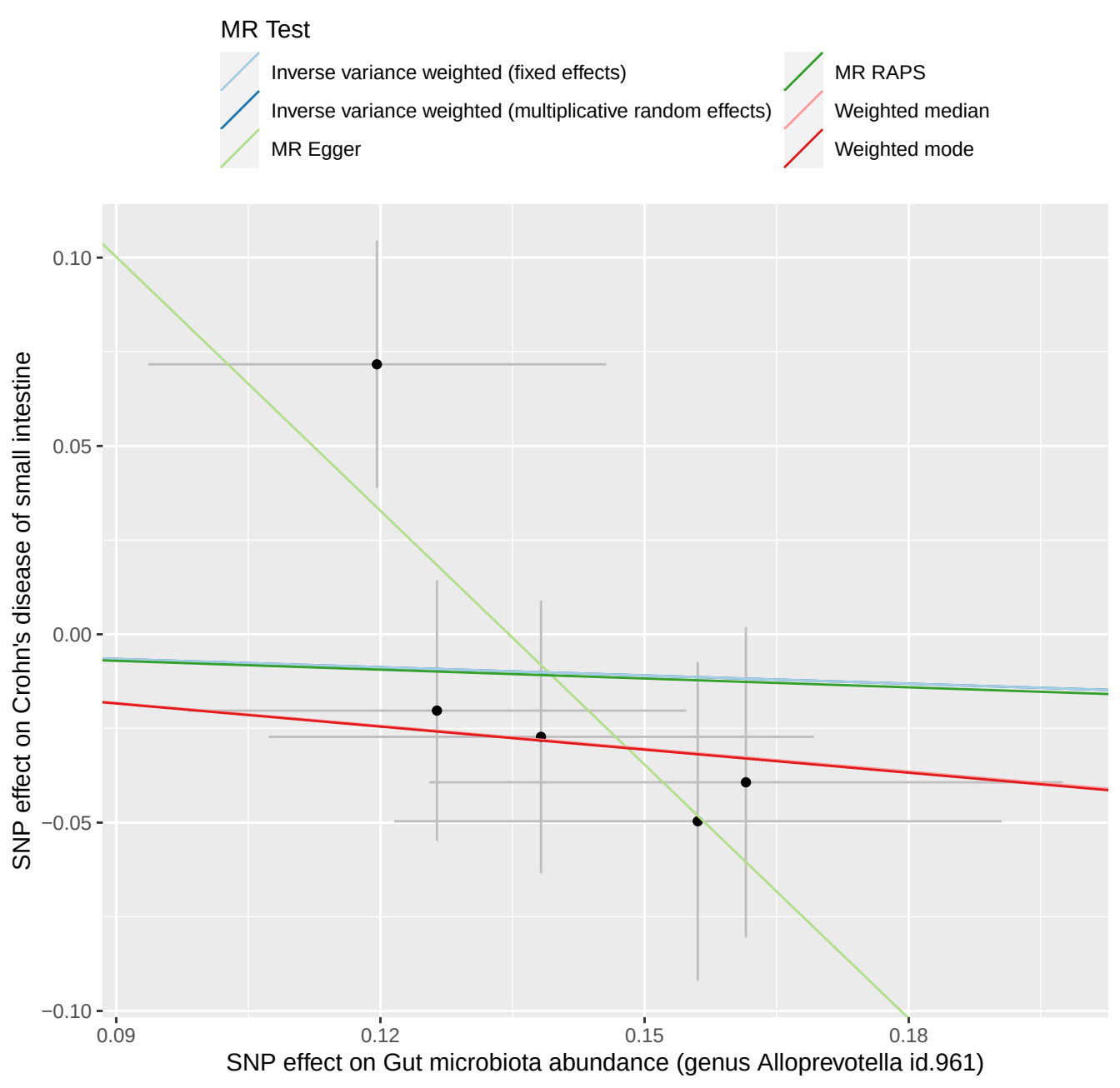

Batch 335 : Gut microbiota abundance (genus Akkermansia id.4037) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

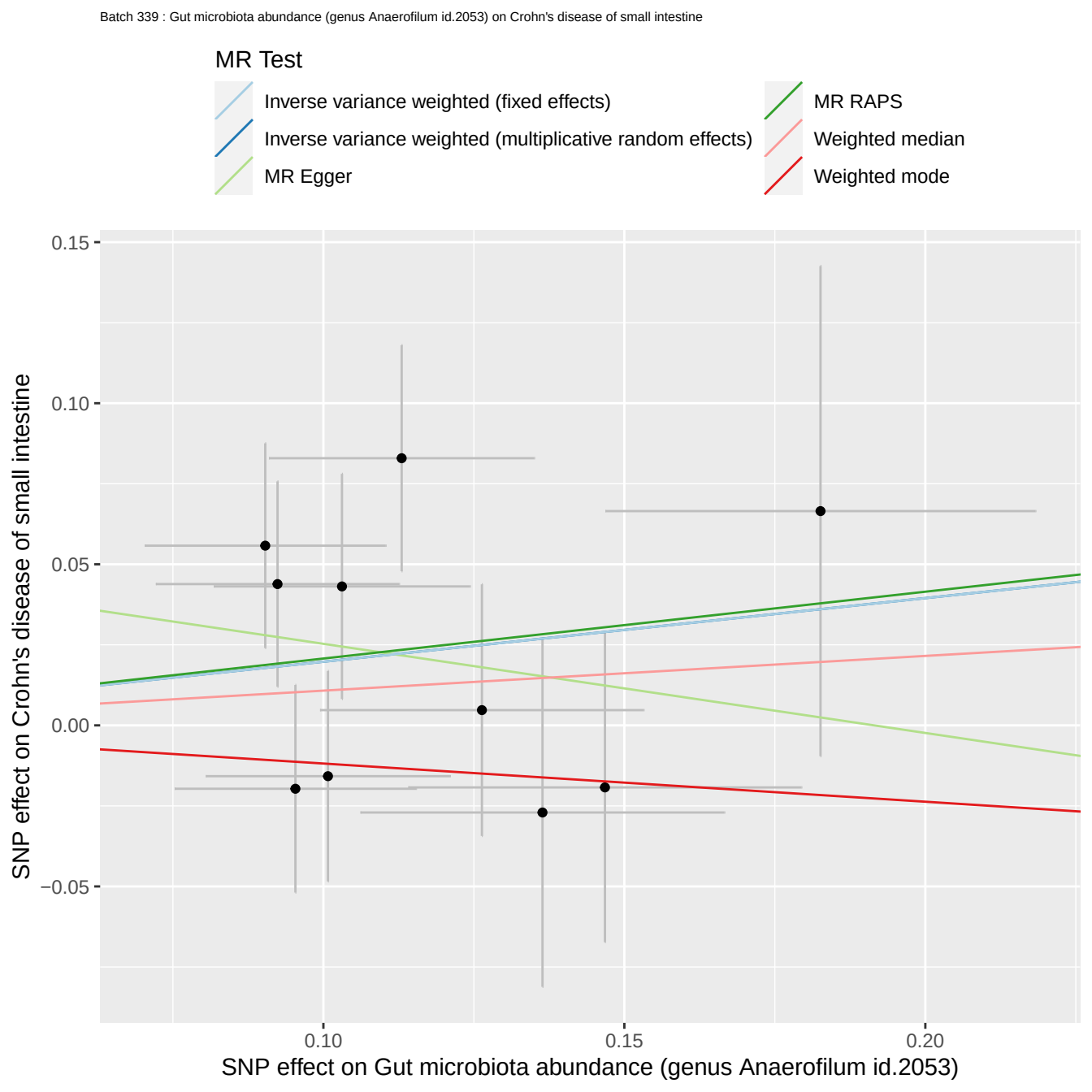

Batch 336 : Gut microbiota abundance (genus Alistipes id.968) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)

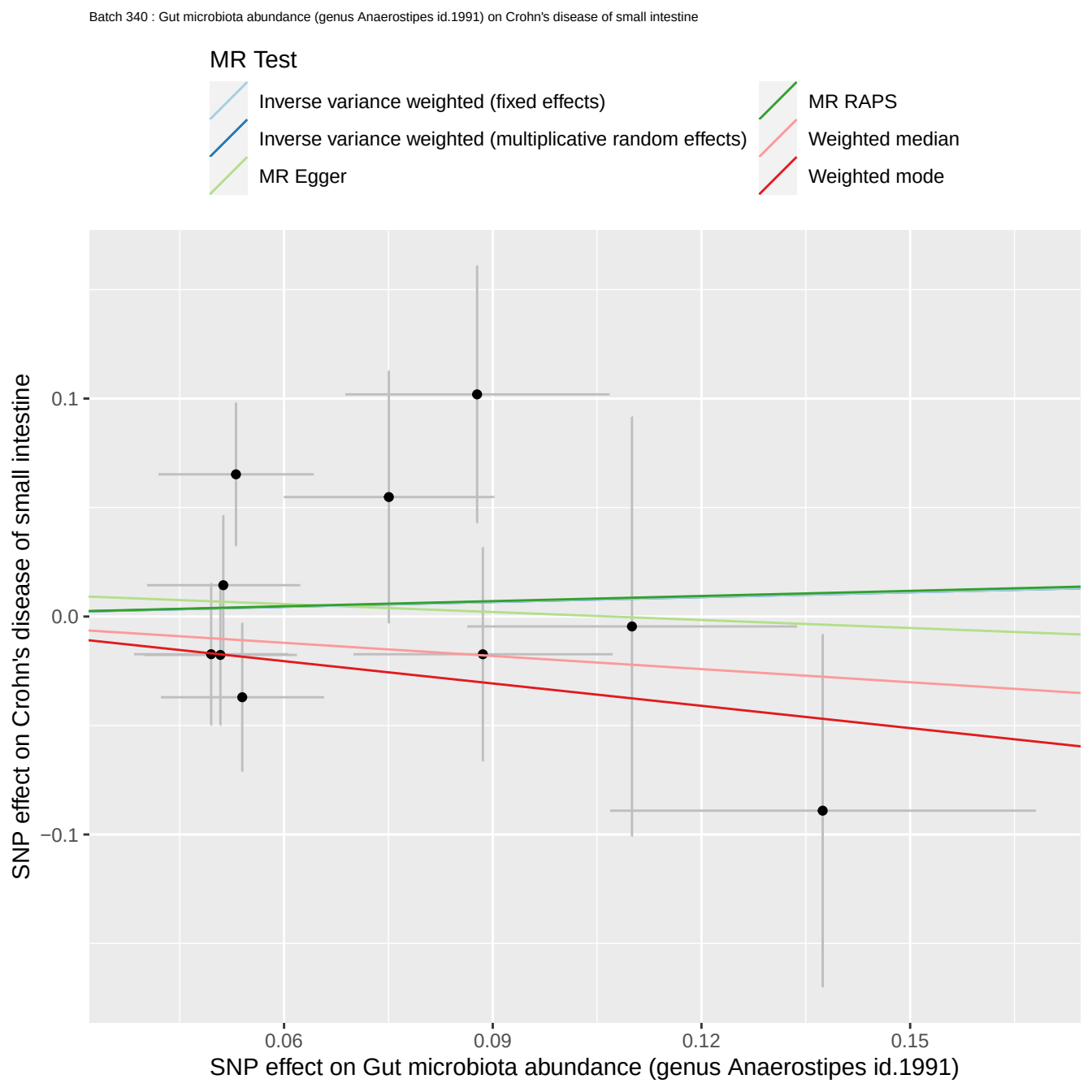
Batch 337 : Gut microbiota abundance (genus Allisonella id.2174) on Crohn's disease of small intestine

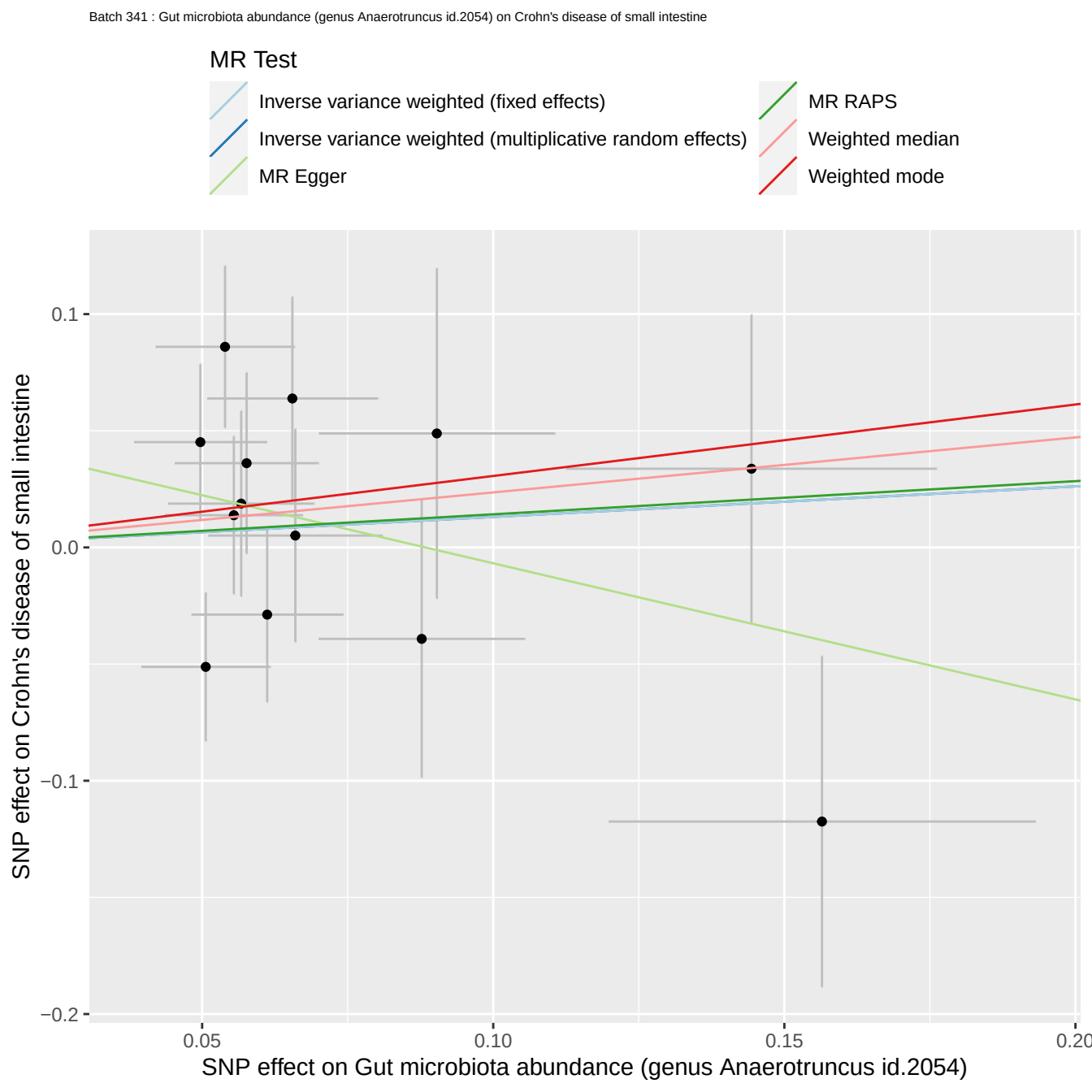


Batch 338 : Gut microbiota abundance (genus Alloprevotella id.961) on Crohn's disease of small intestine

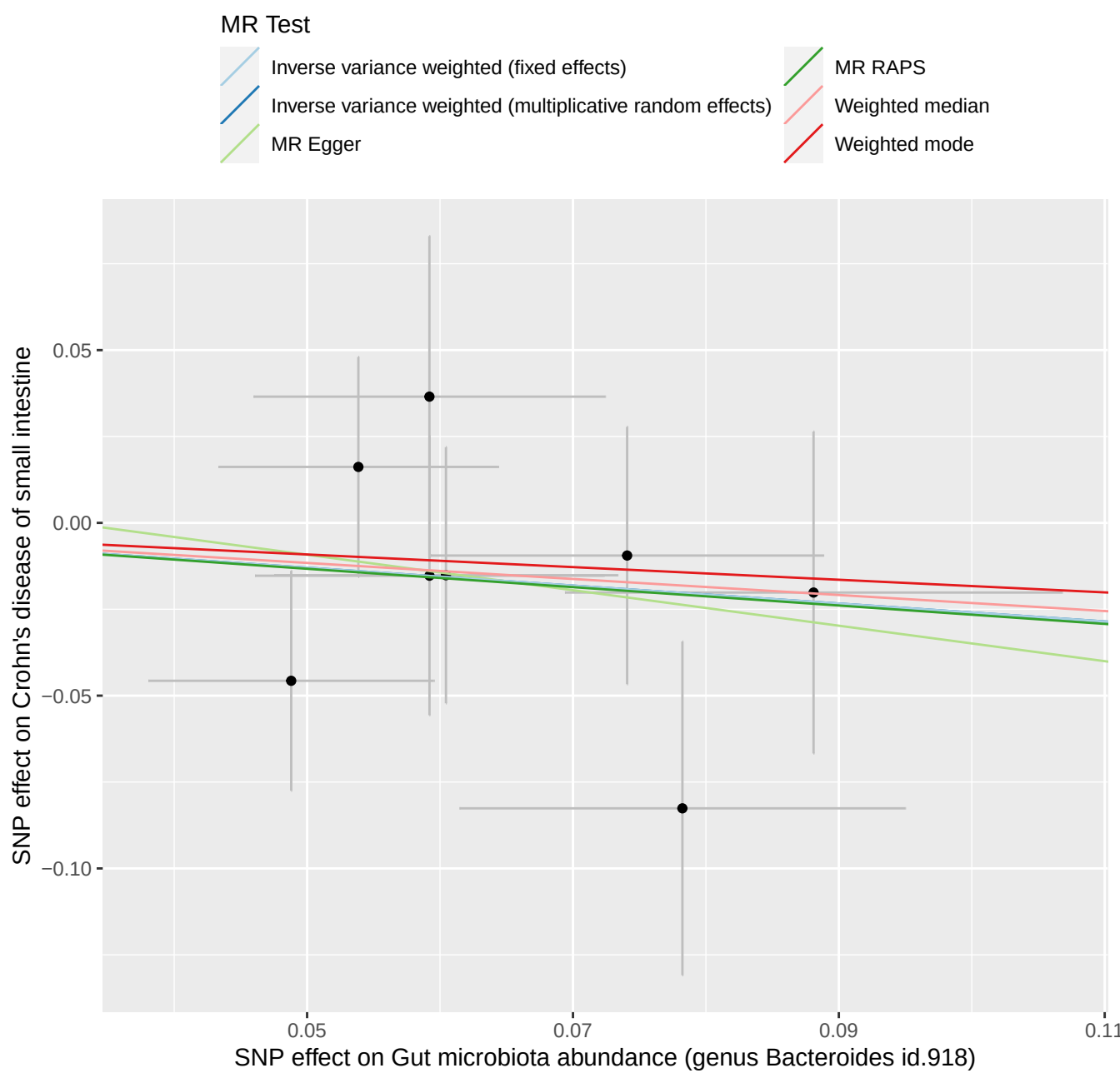



Batch 339 : Gut microbiota abundance (genus Anaerofilum id.2053) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.15
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

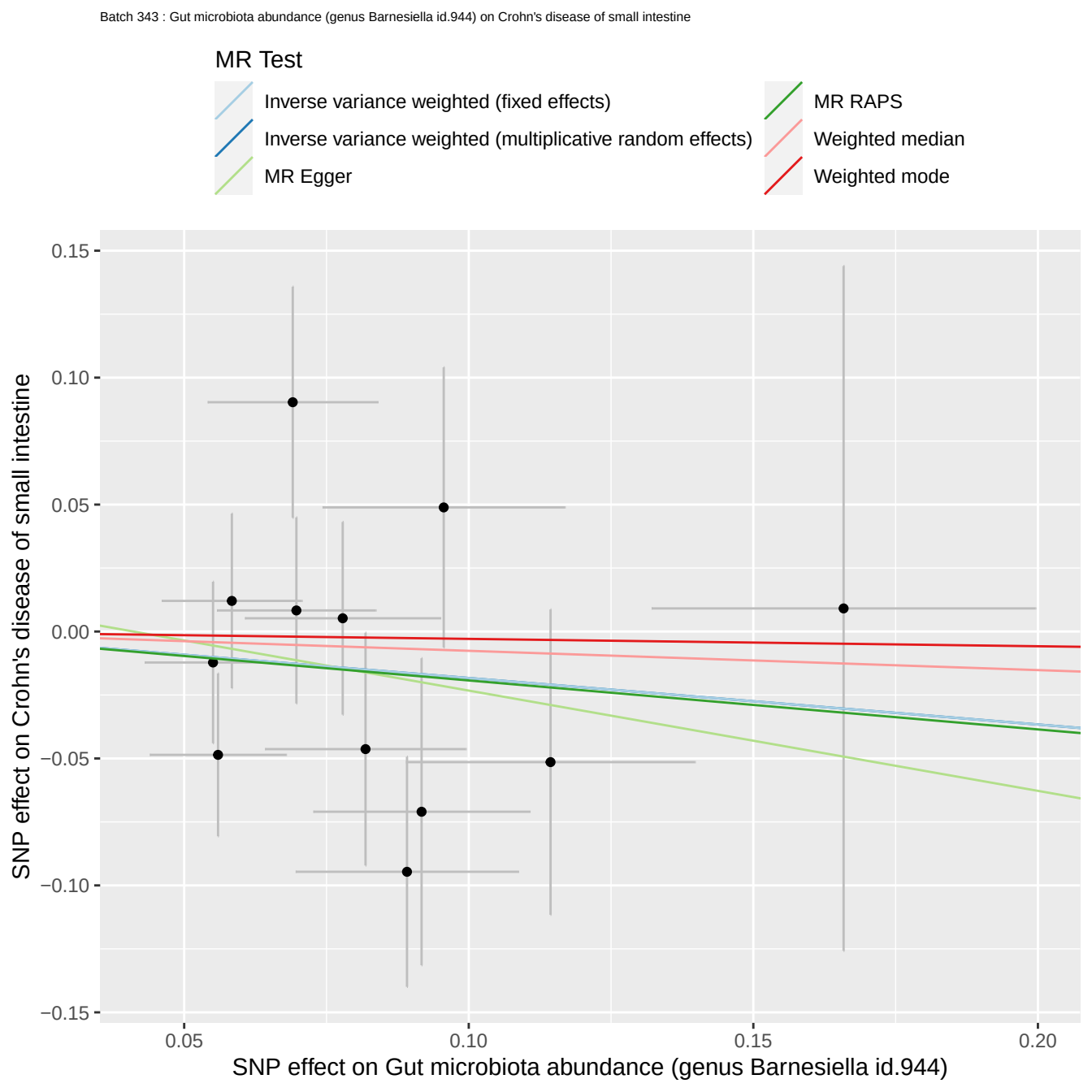

Batch 340 : Gut microbiota abundance (genus Anaerostipes id.1991) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)


Batch 341 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)

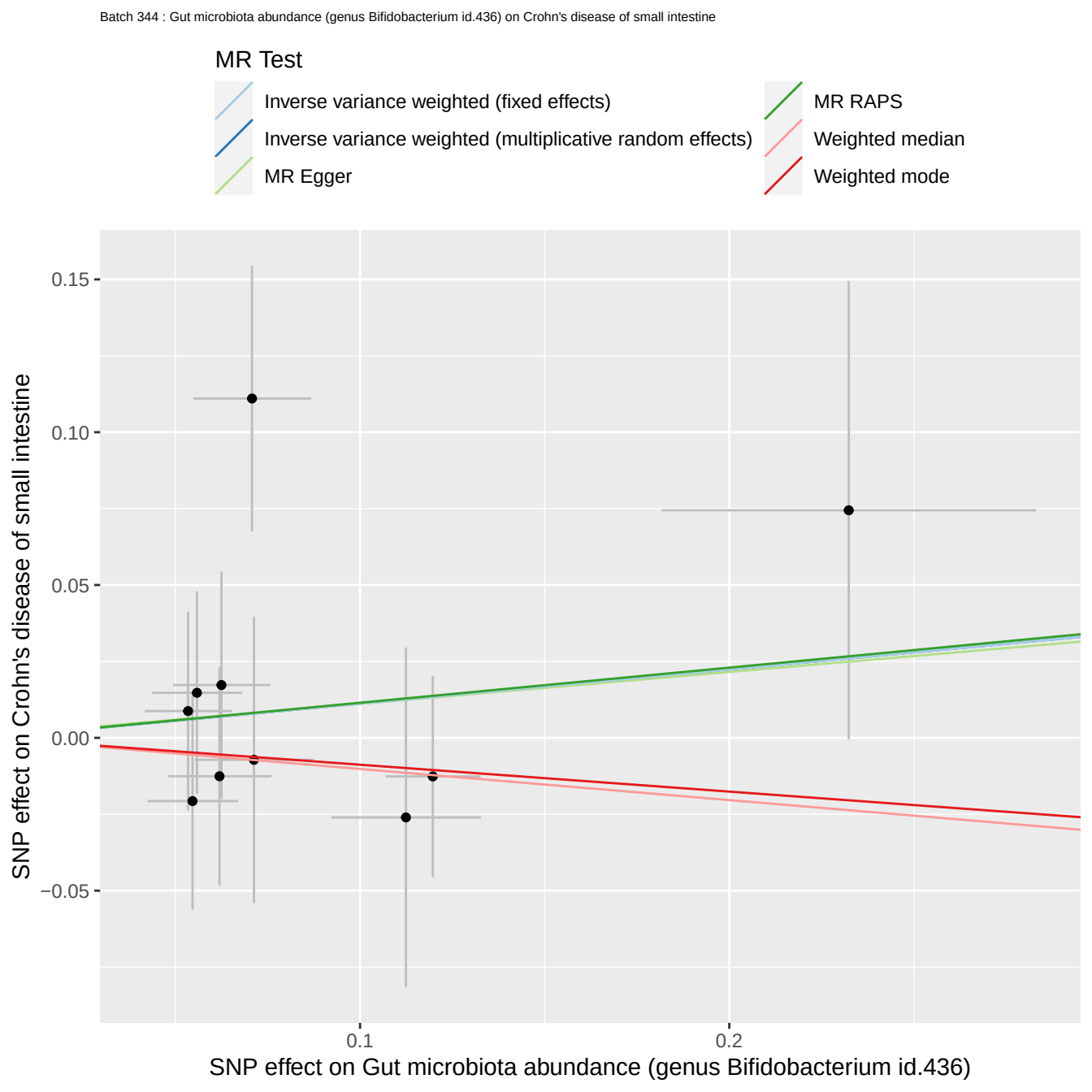
Batch 342 : Gut microbiota abundance (genus Bacteroides id.918) on Crohn's disease of small intestine

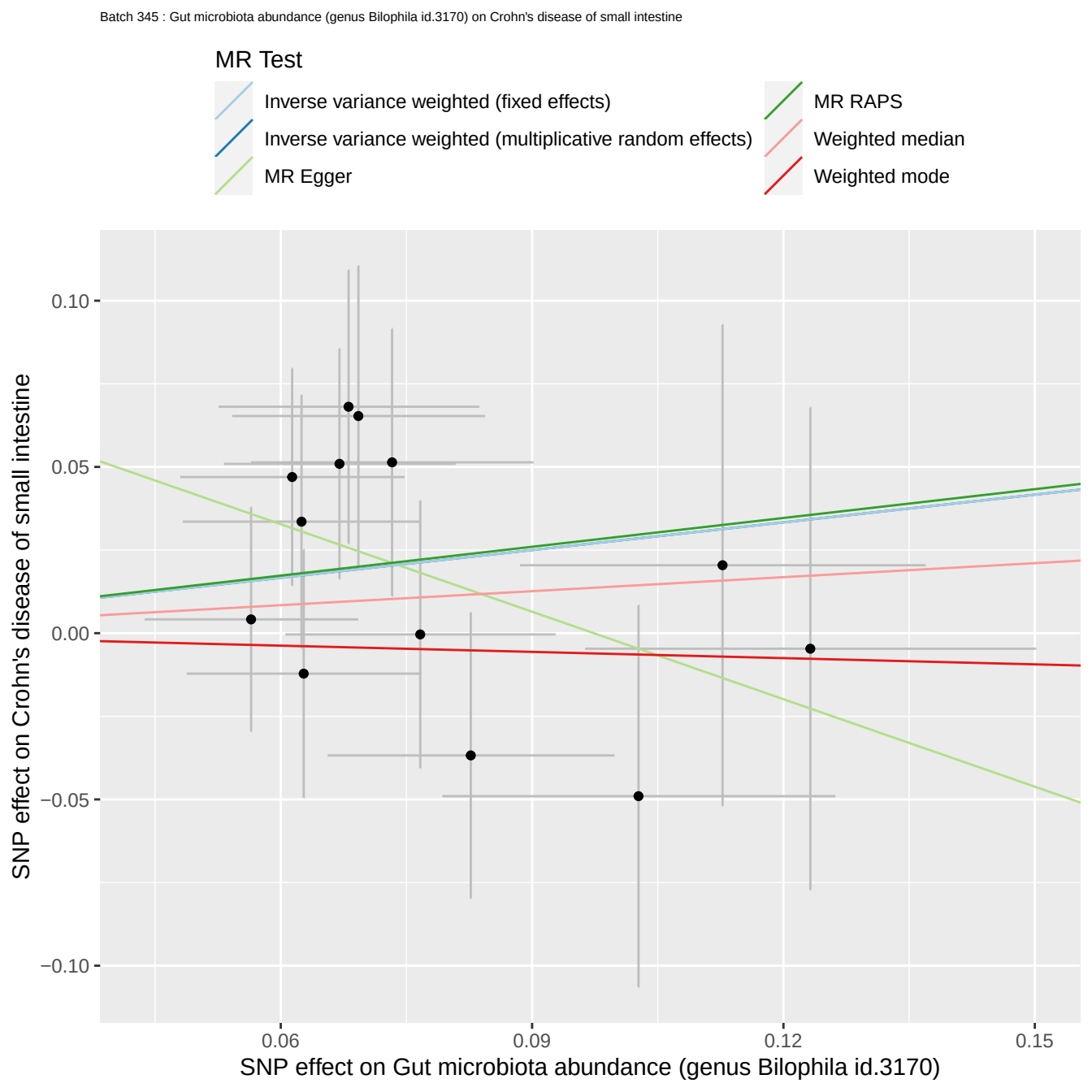


Batch 343 : Gut microbiota abundance (genus Barnesiella id.944) on Crohn's disease of small intestine

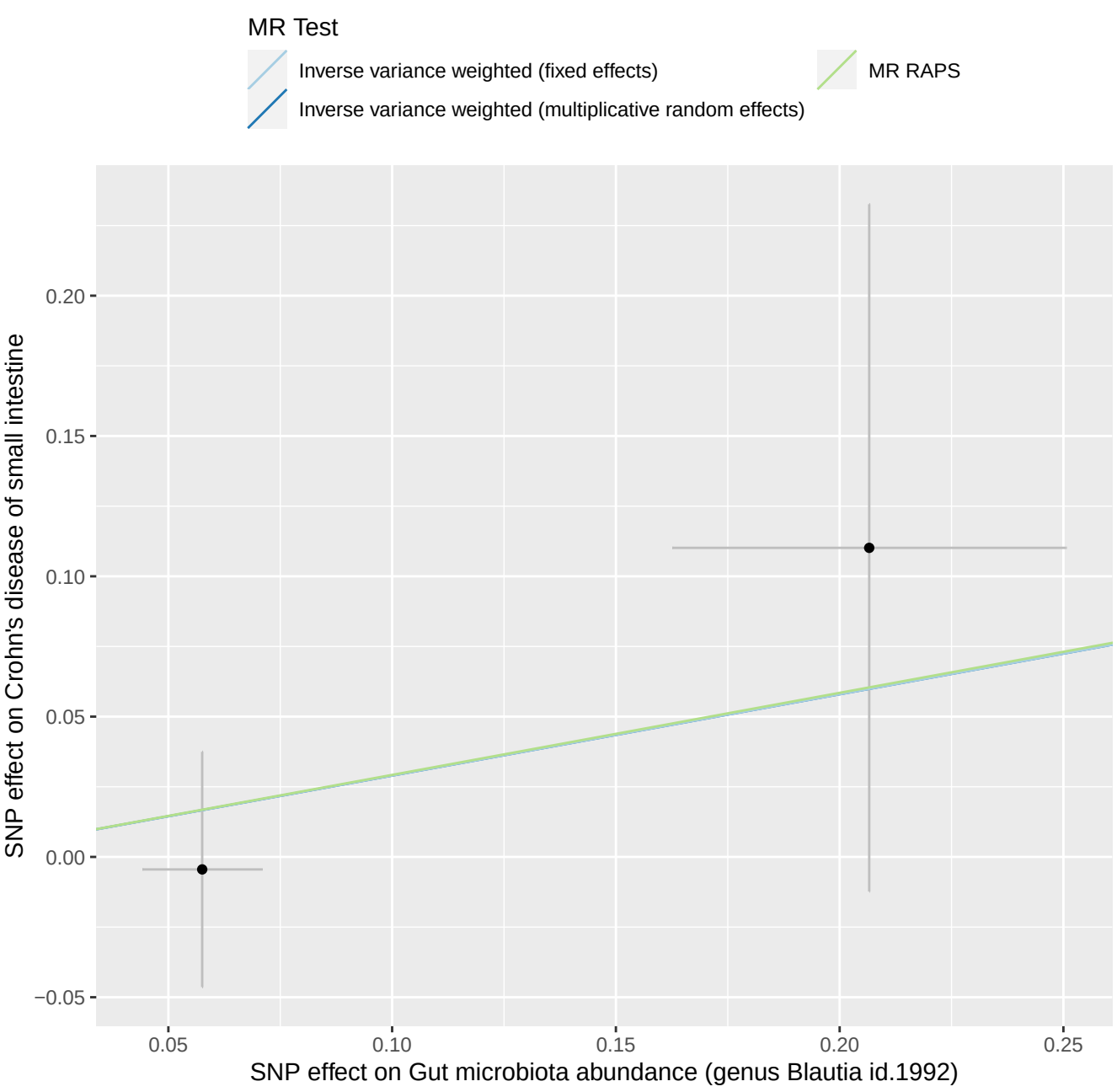


Batch 344 : Gut microbiota abundance (genus Bifidobacterium id.436) on Crohn's disease of small intestine

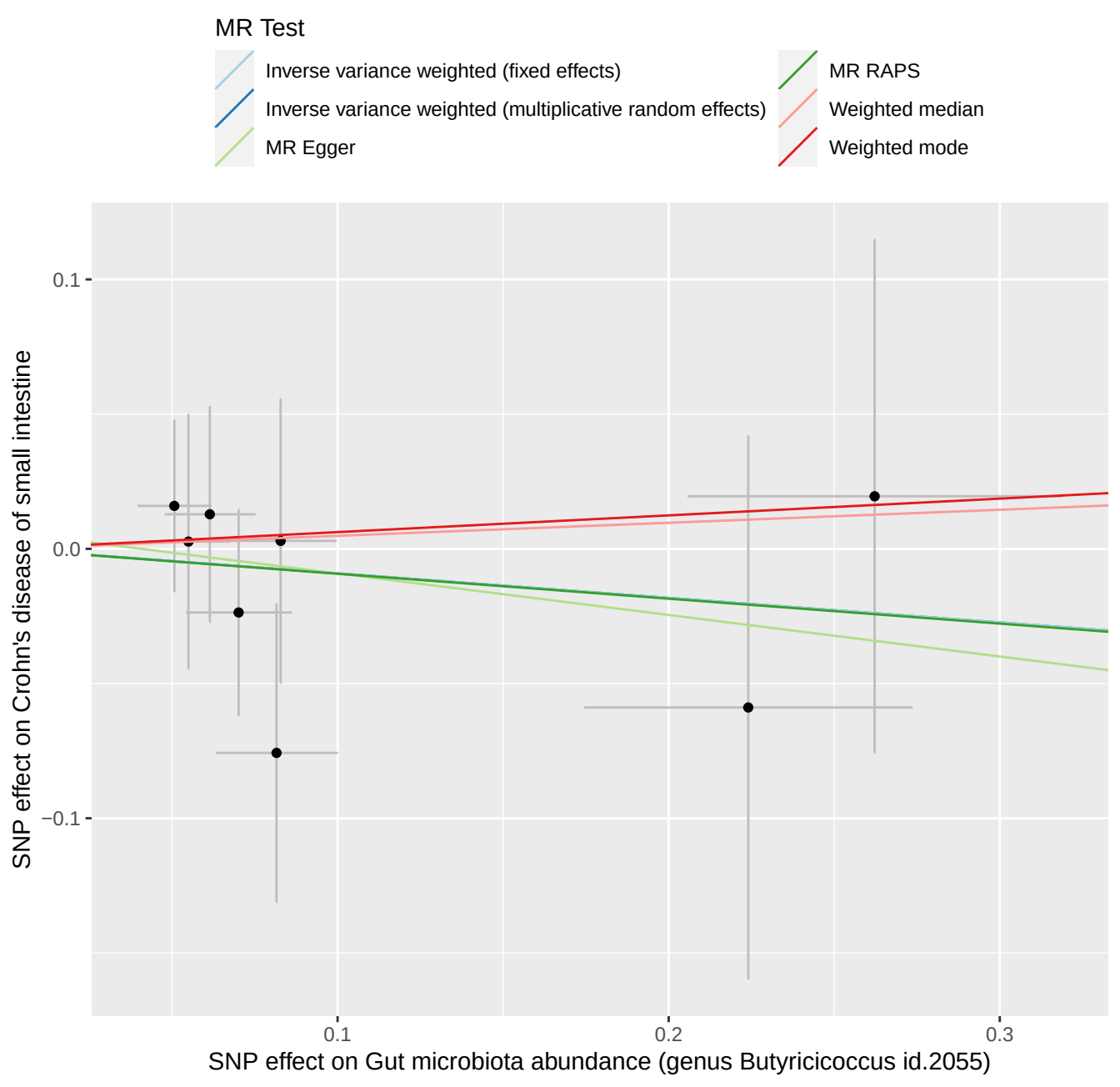


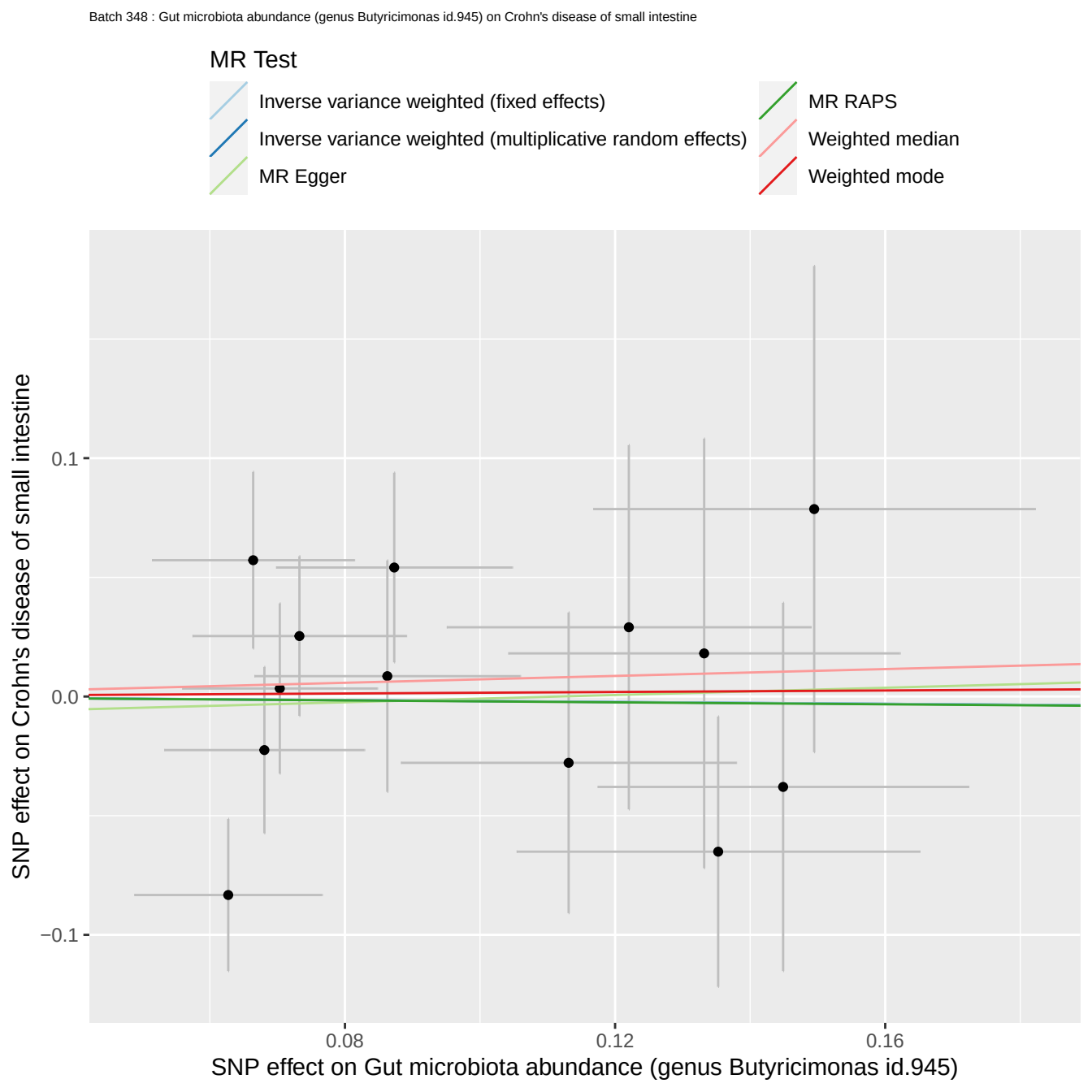

Batch 345 : Gut microbiota abundance (genus Bilophila id.3170) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

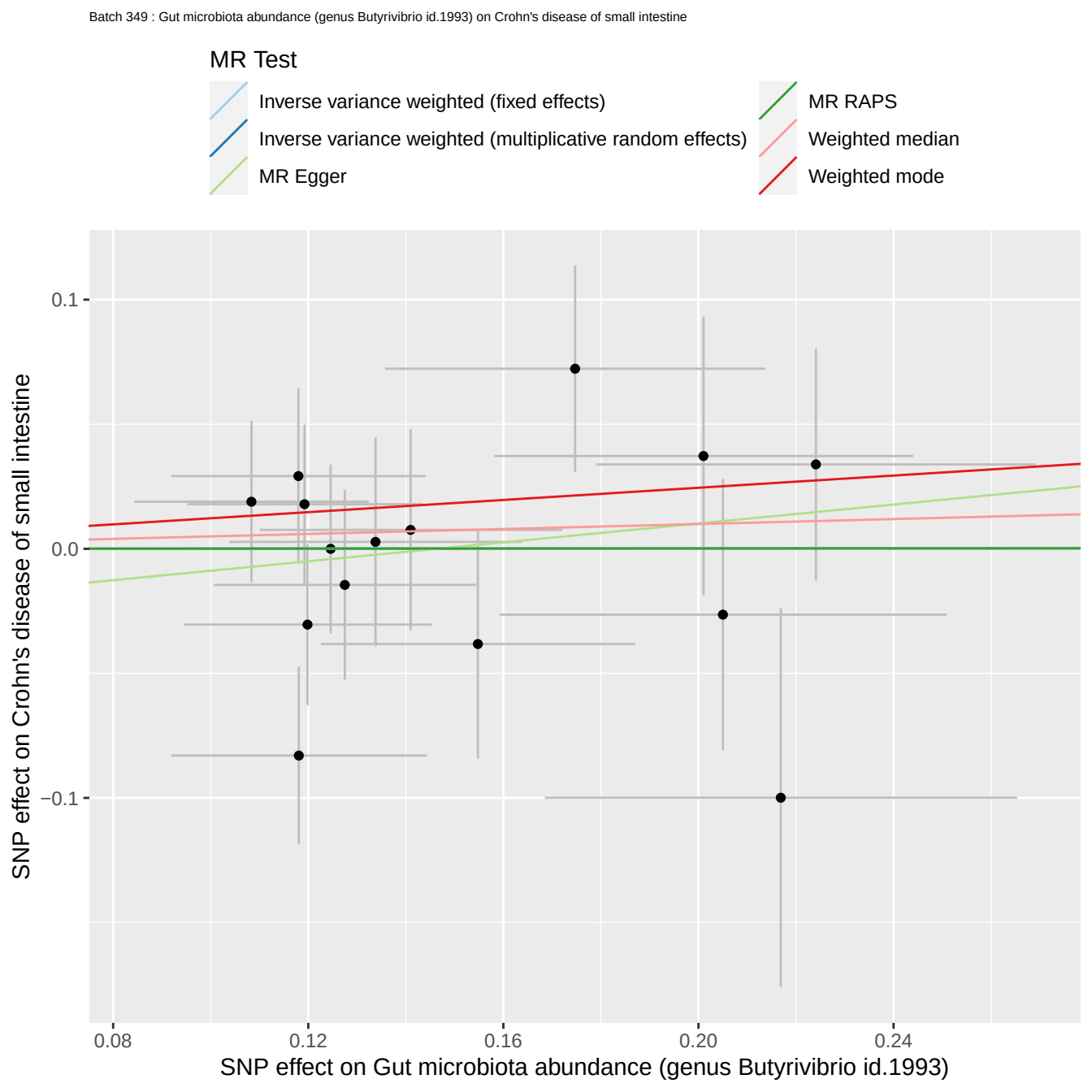
Batch 346 : Gut microbiota abundance (genus Blautia id.1992) on Crohn's disease of small intestine

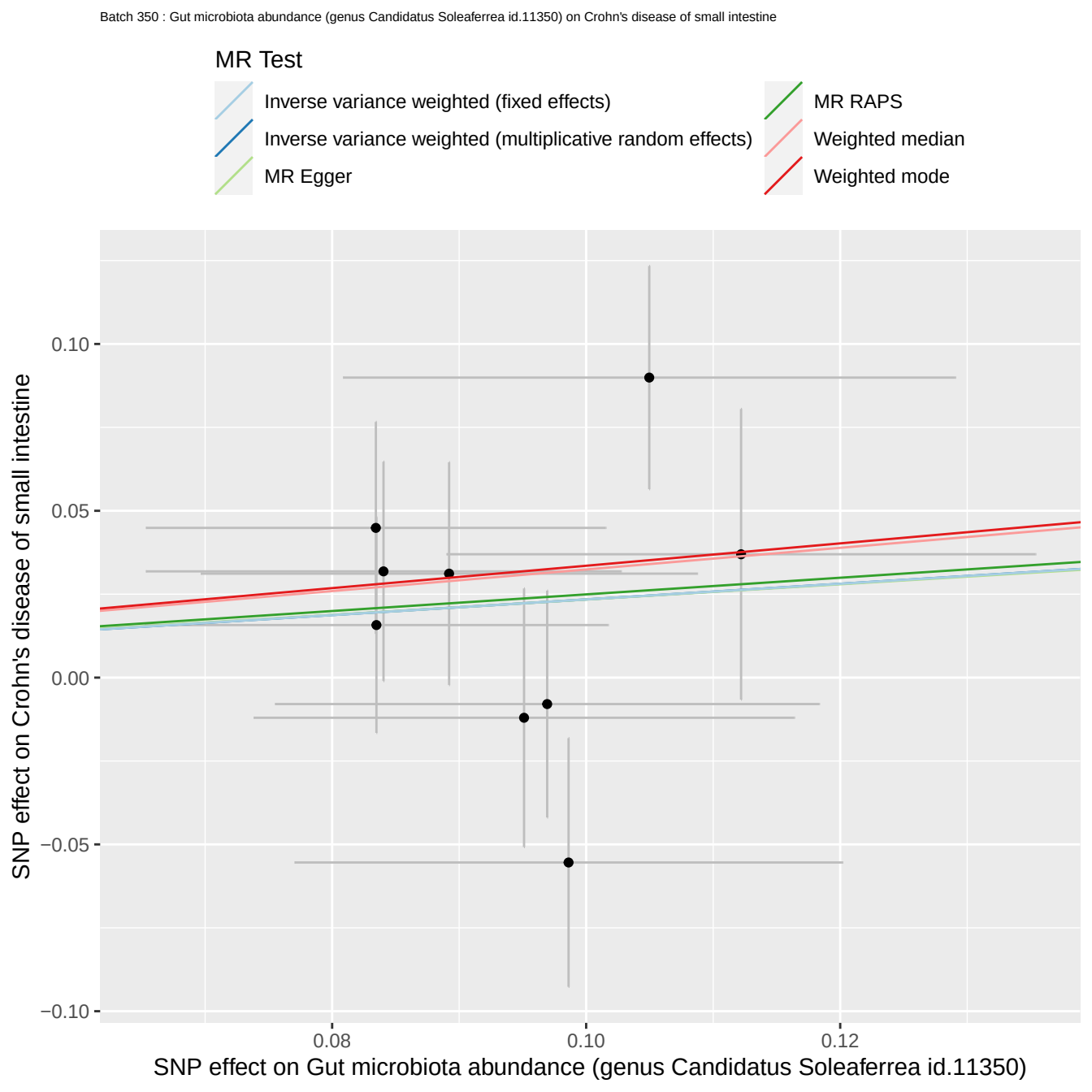


Batch 347 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Crohn's disease of small intestine

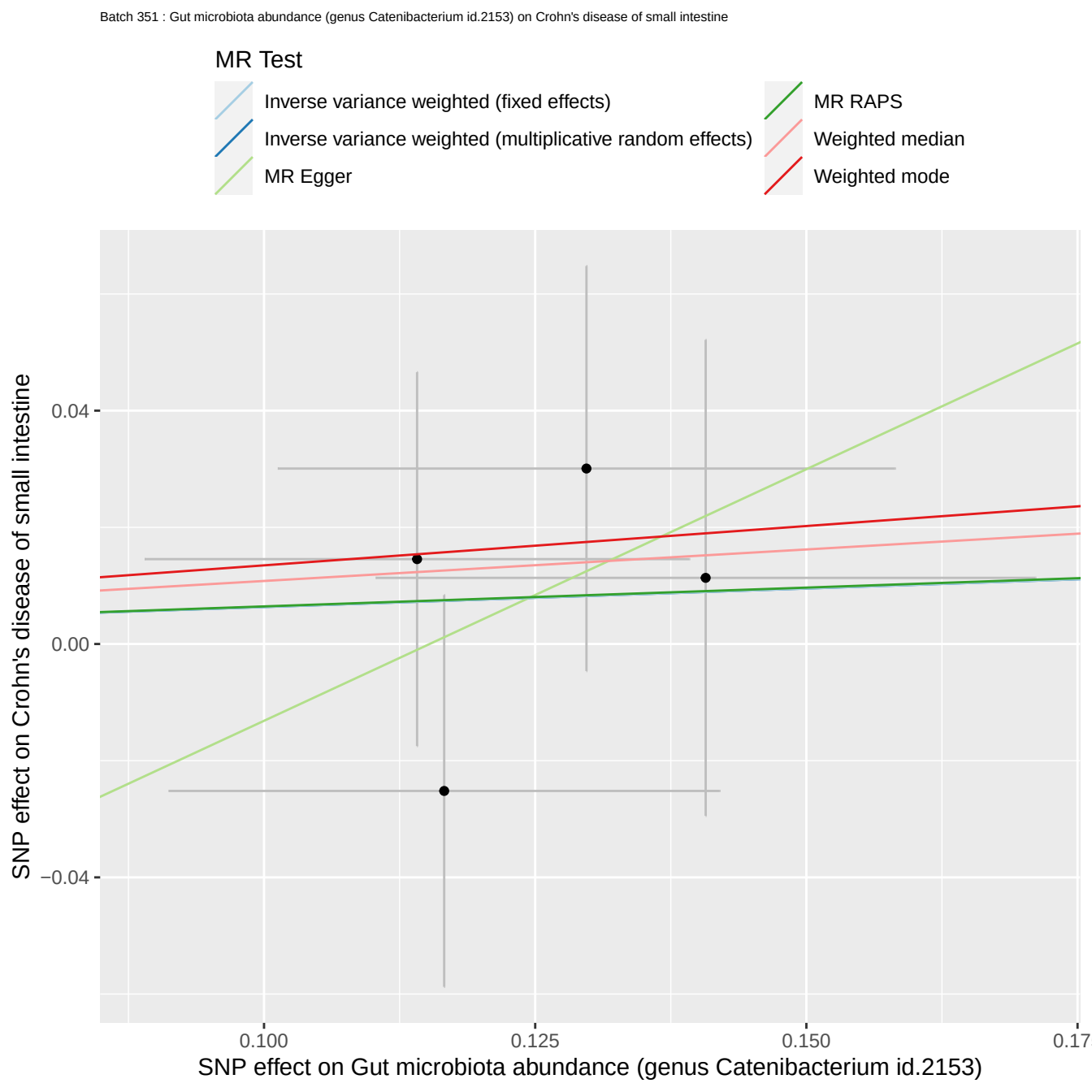


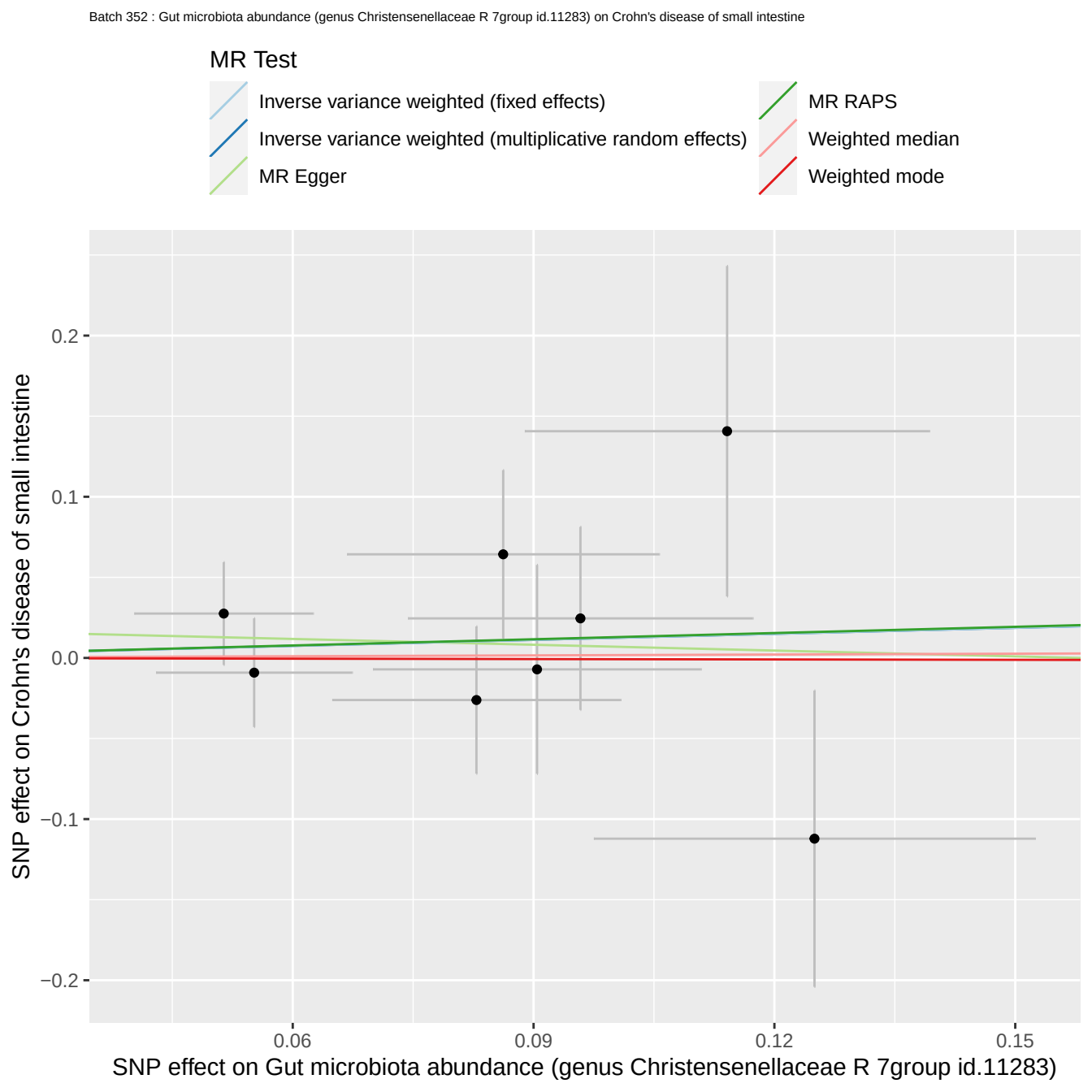

Batch 348 : Gut microbiota abundance (genus Butyricimonas id.945) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)


Batch 349 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

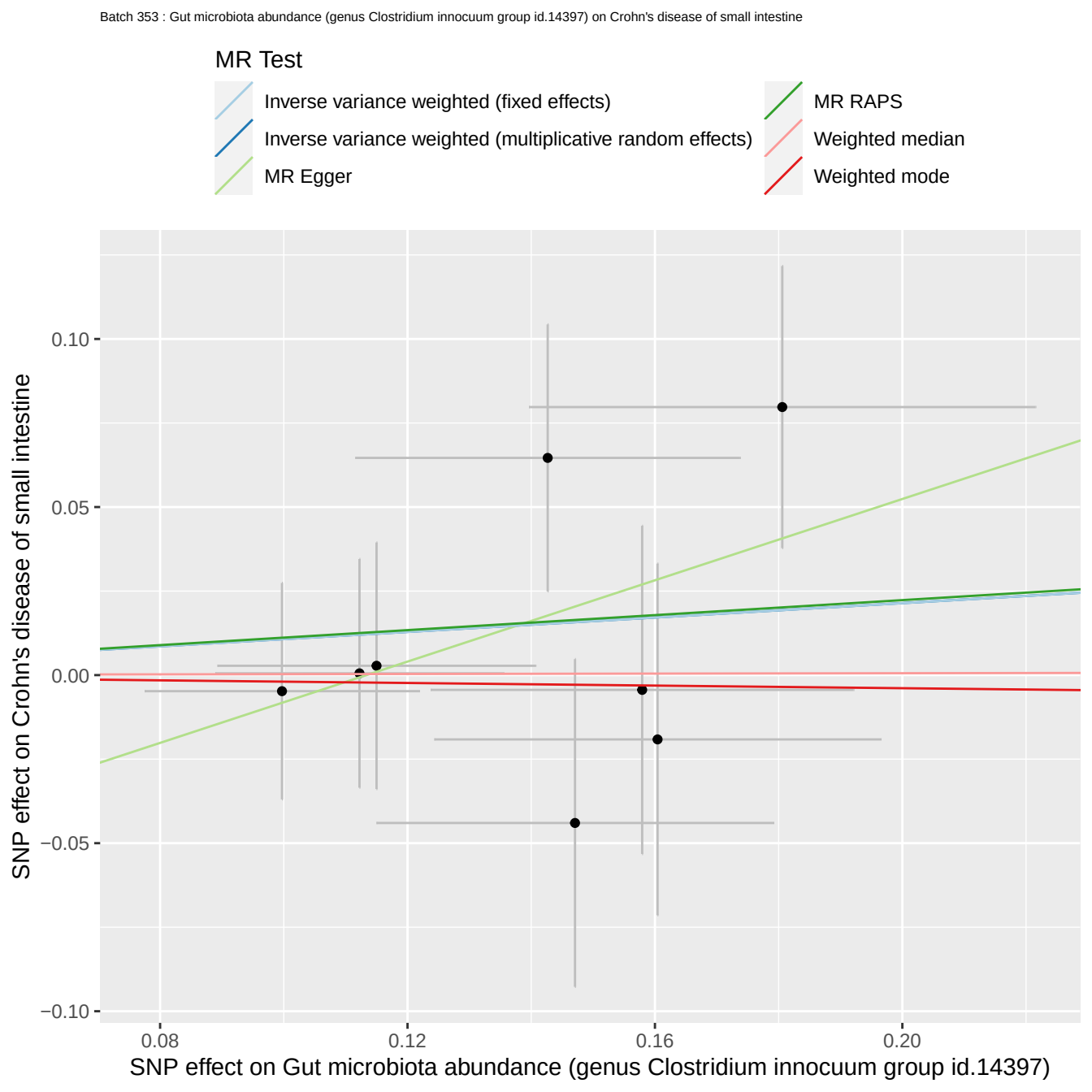

Batch 350 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

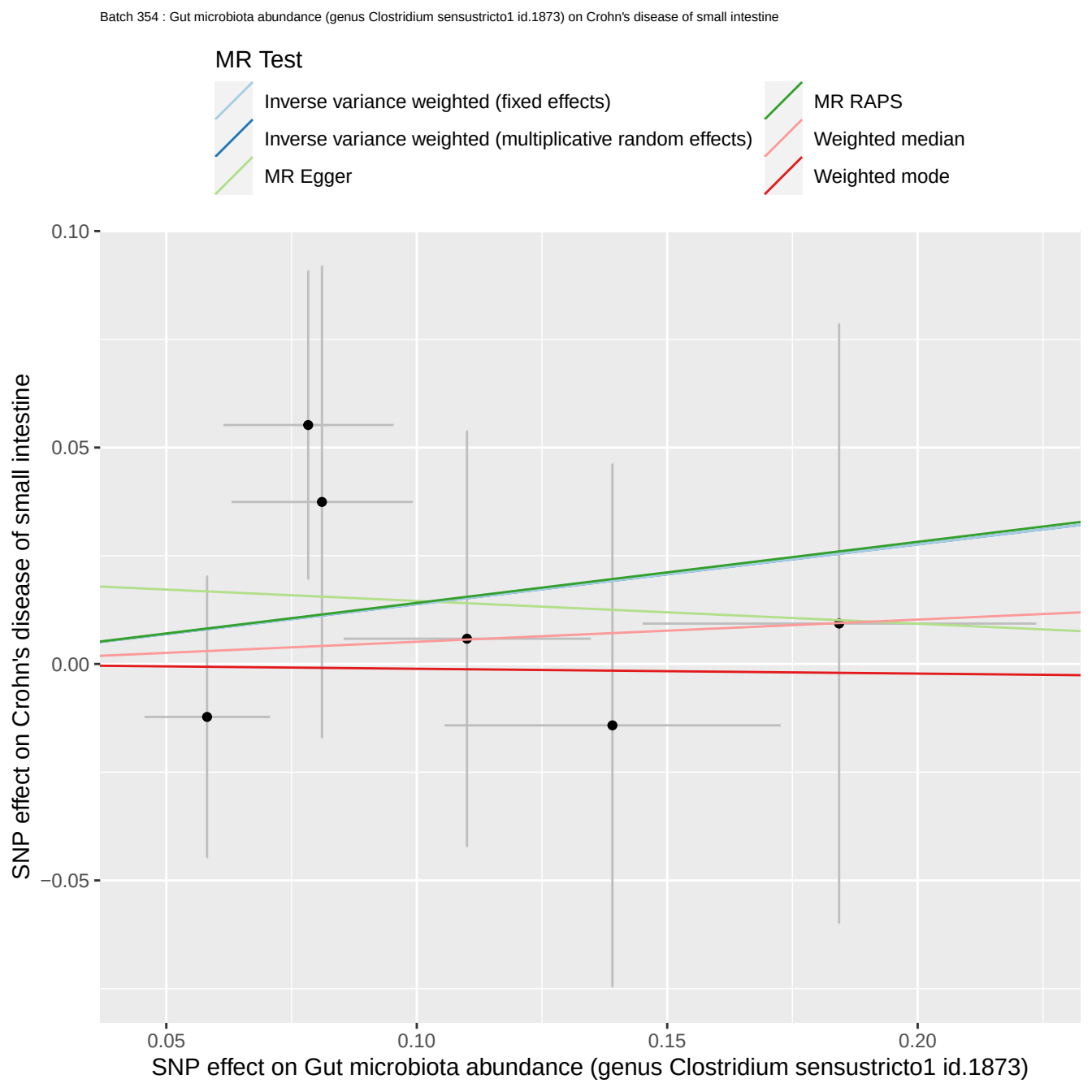
Batch 351 : Gut microbiota abundance (genus Catenibacterium id.2153) on Crohn's disease of small intestine

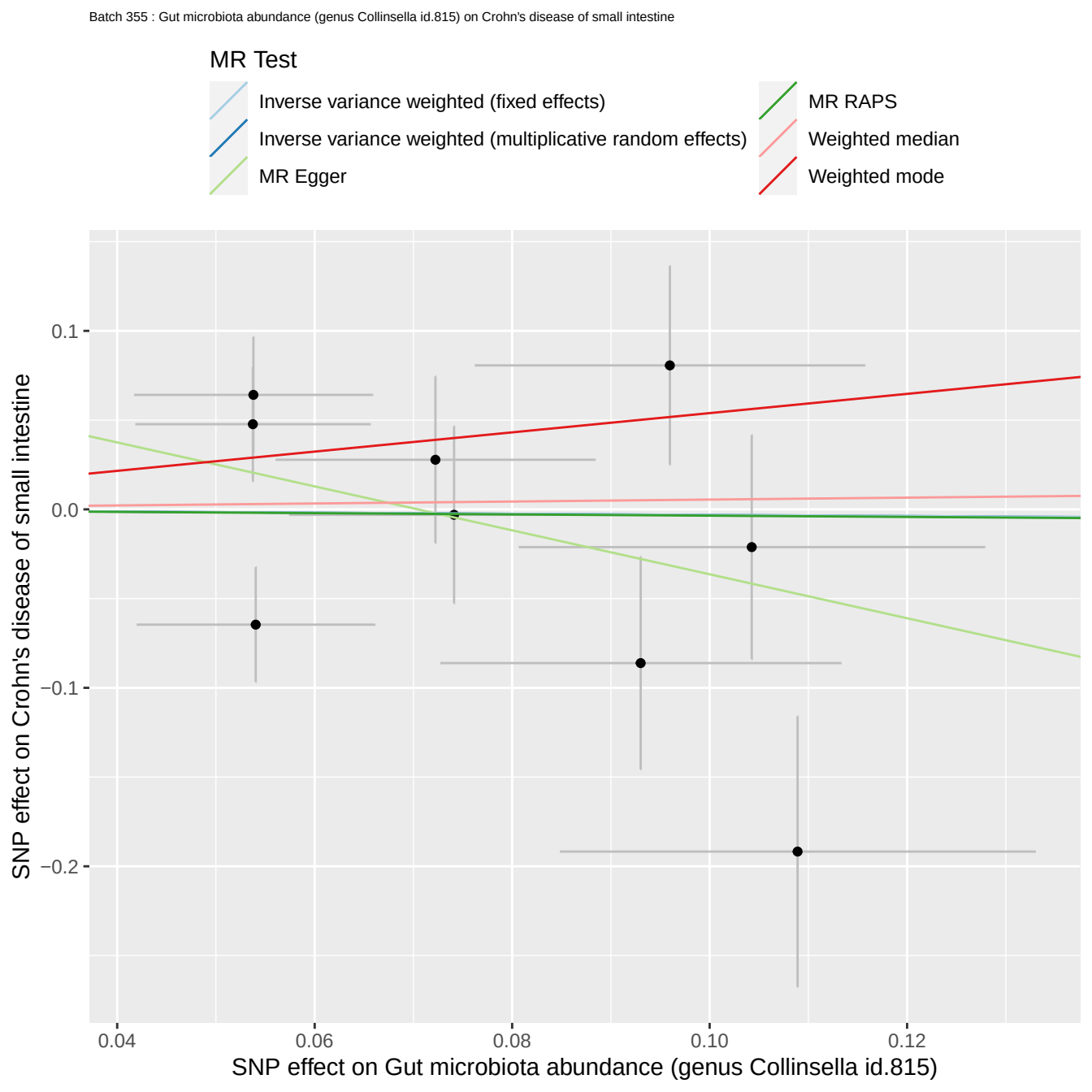


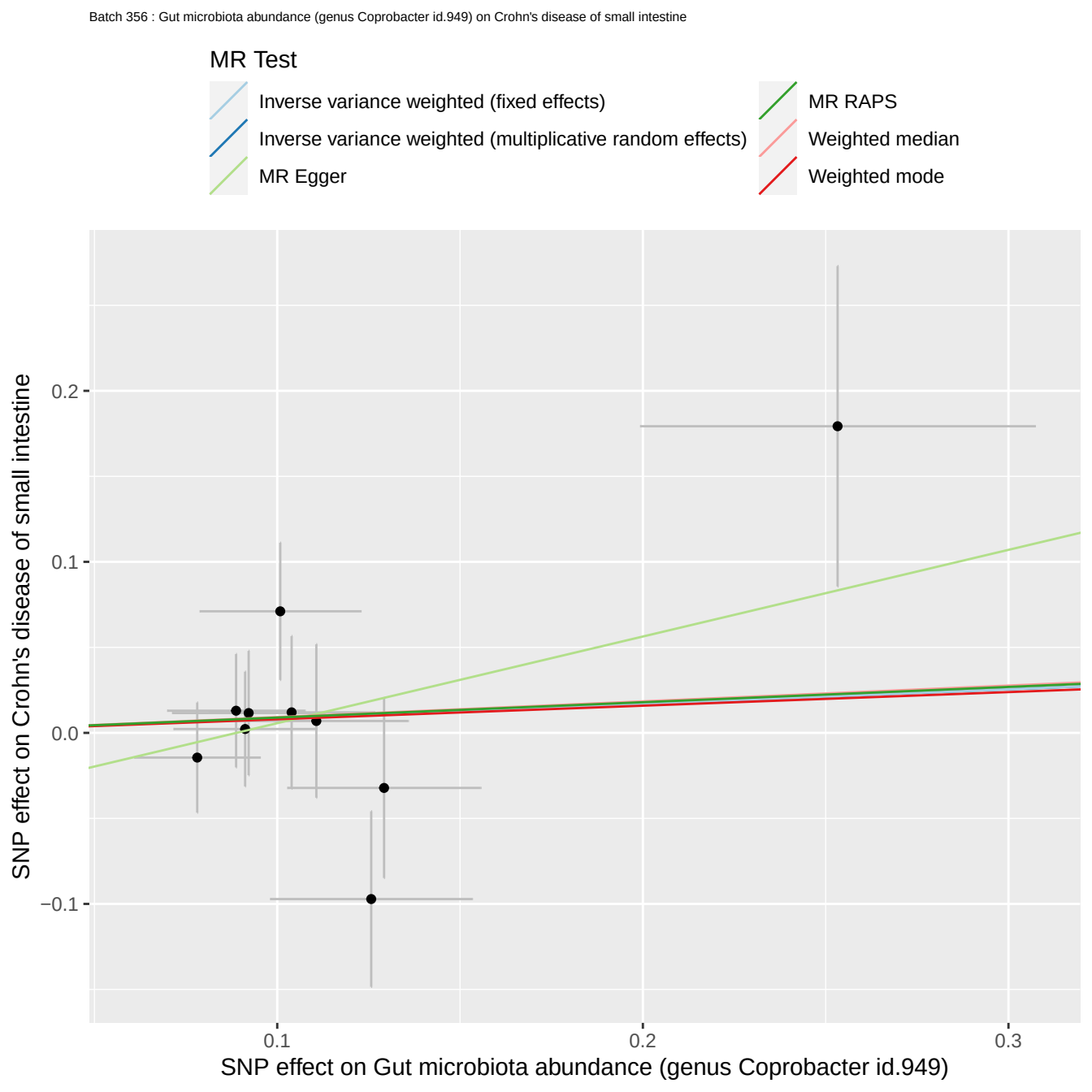

Batch 352 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Christensenellaceae R 7group id.11283)

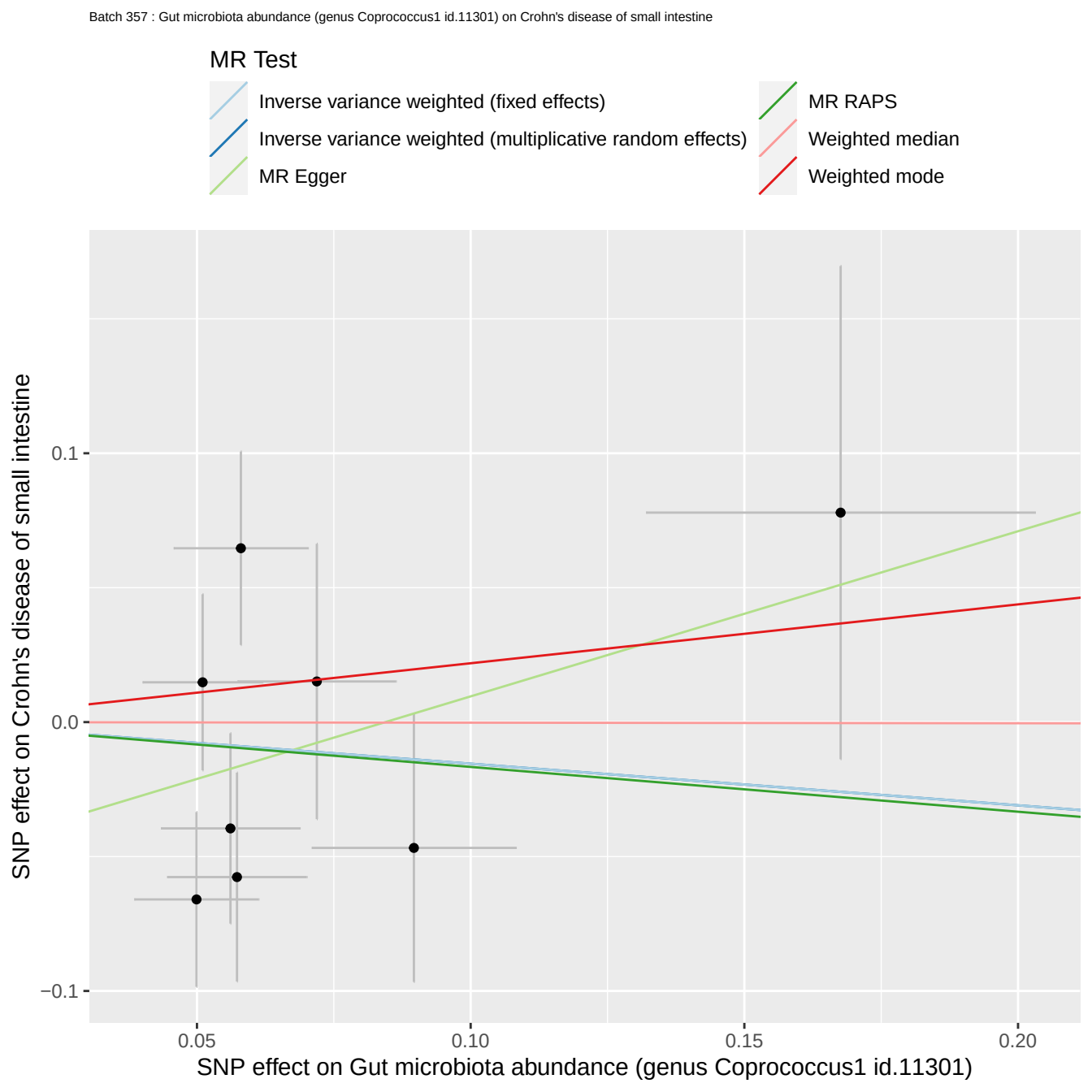
Batch 353 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Crohn's disease of small intestine



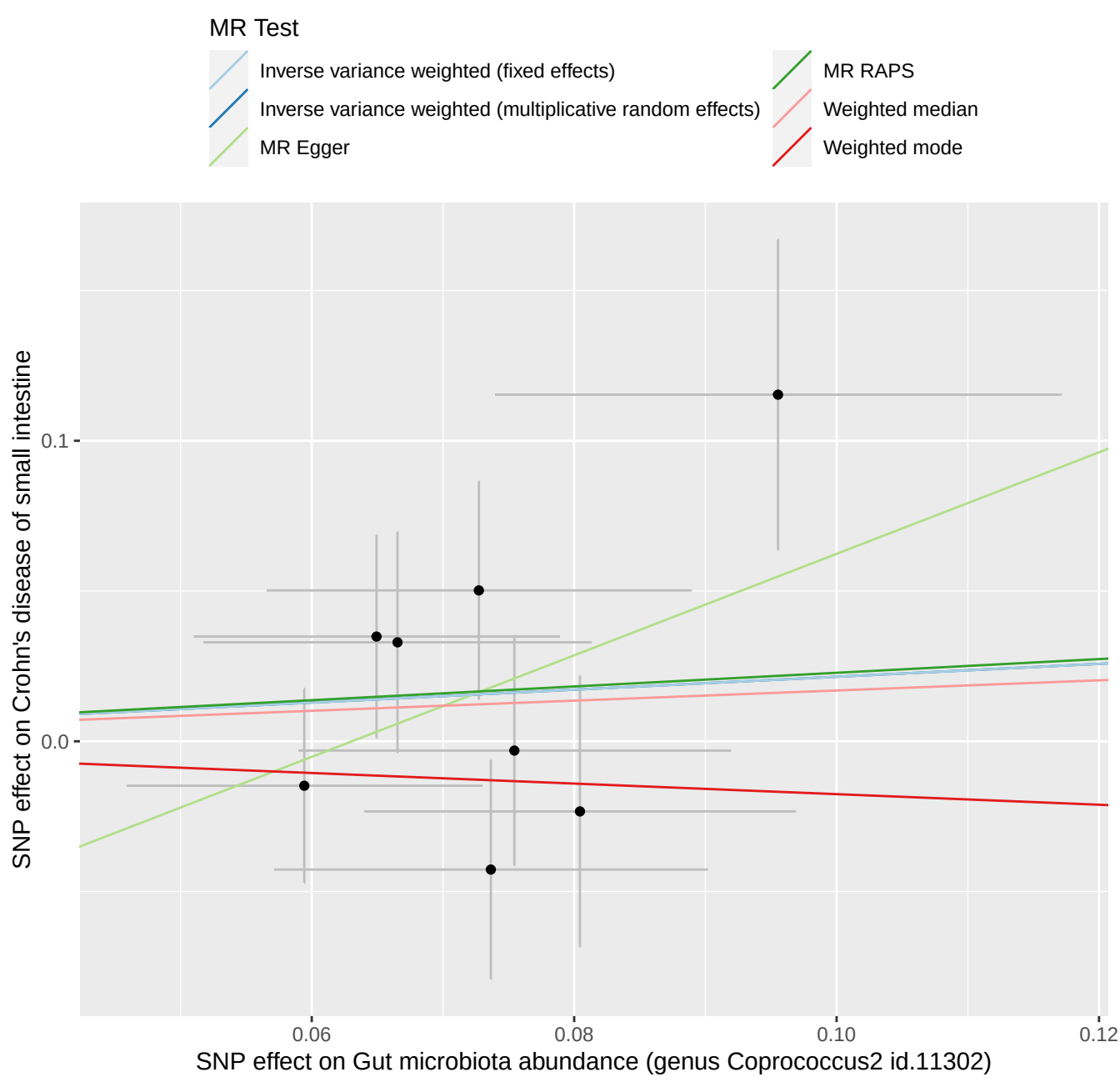

Batch 354 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Crohn's disease of small intestine
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

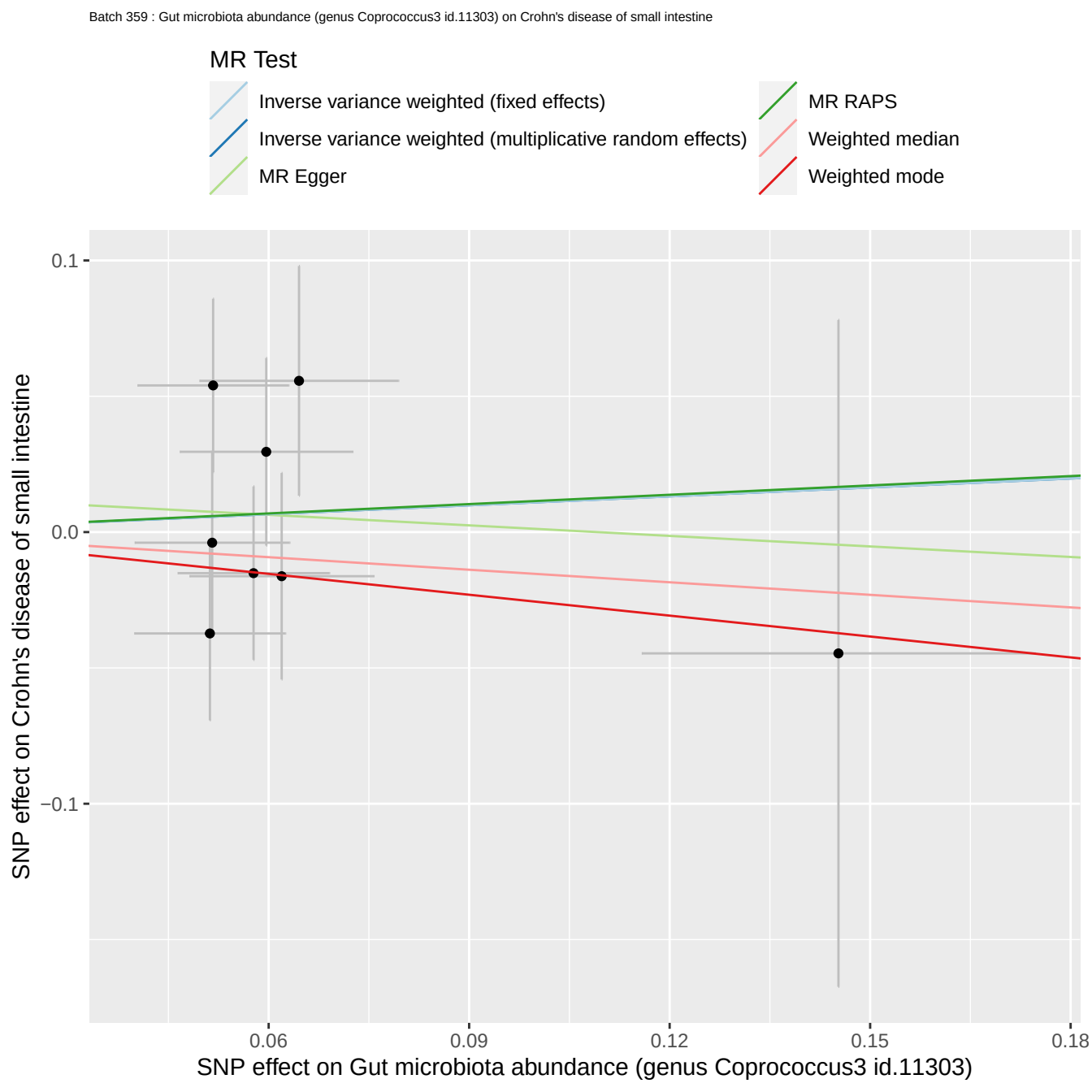

Batch 355 : Gut microbiota abundance (genus Collinsella id.815) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

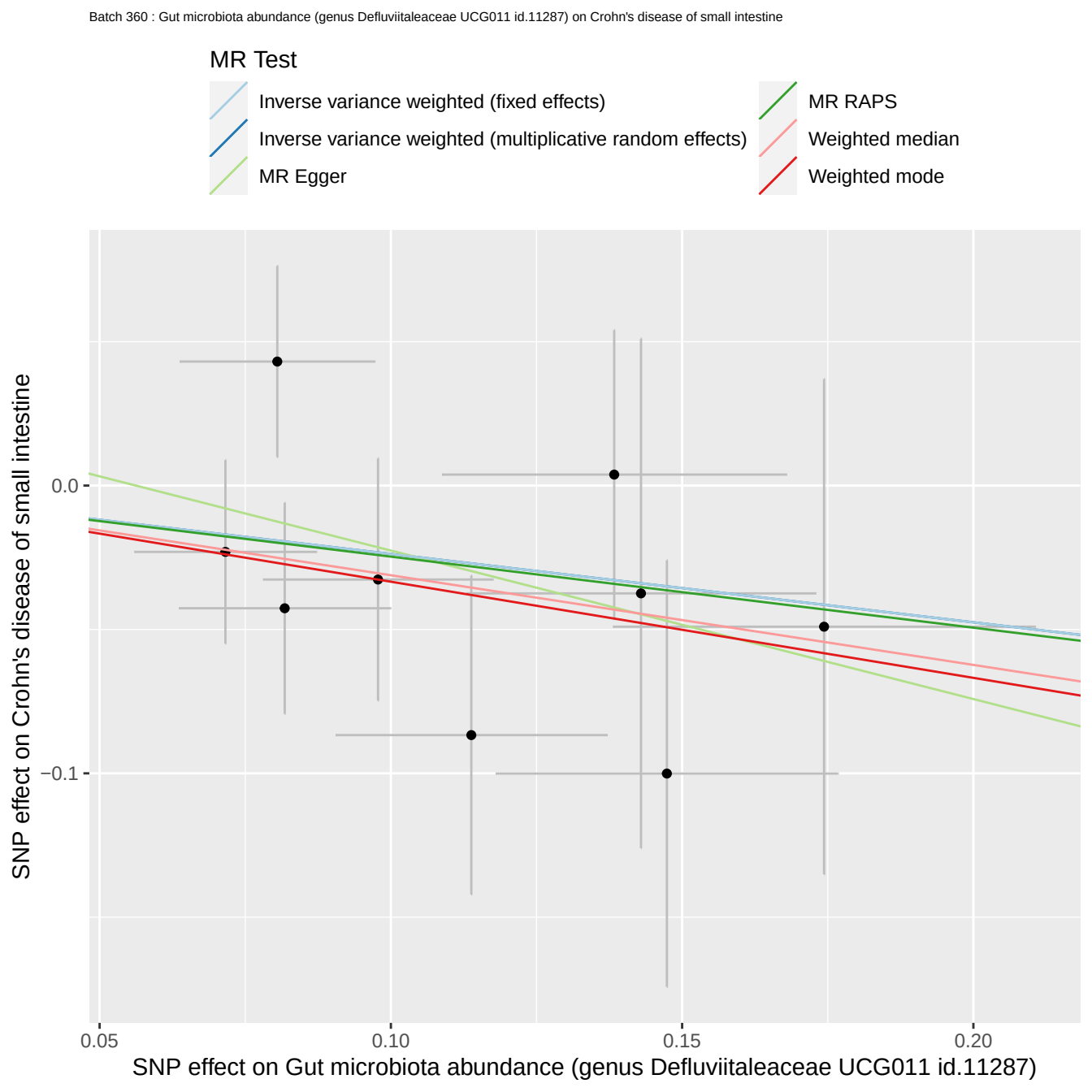

Batch 356 : Gut microbiota abundance (genus Coprobacter id.949) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

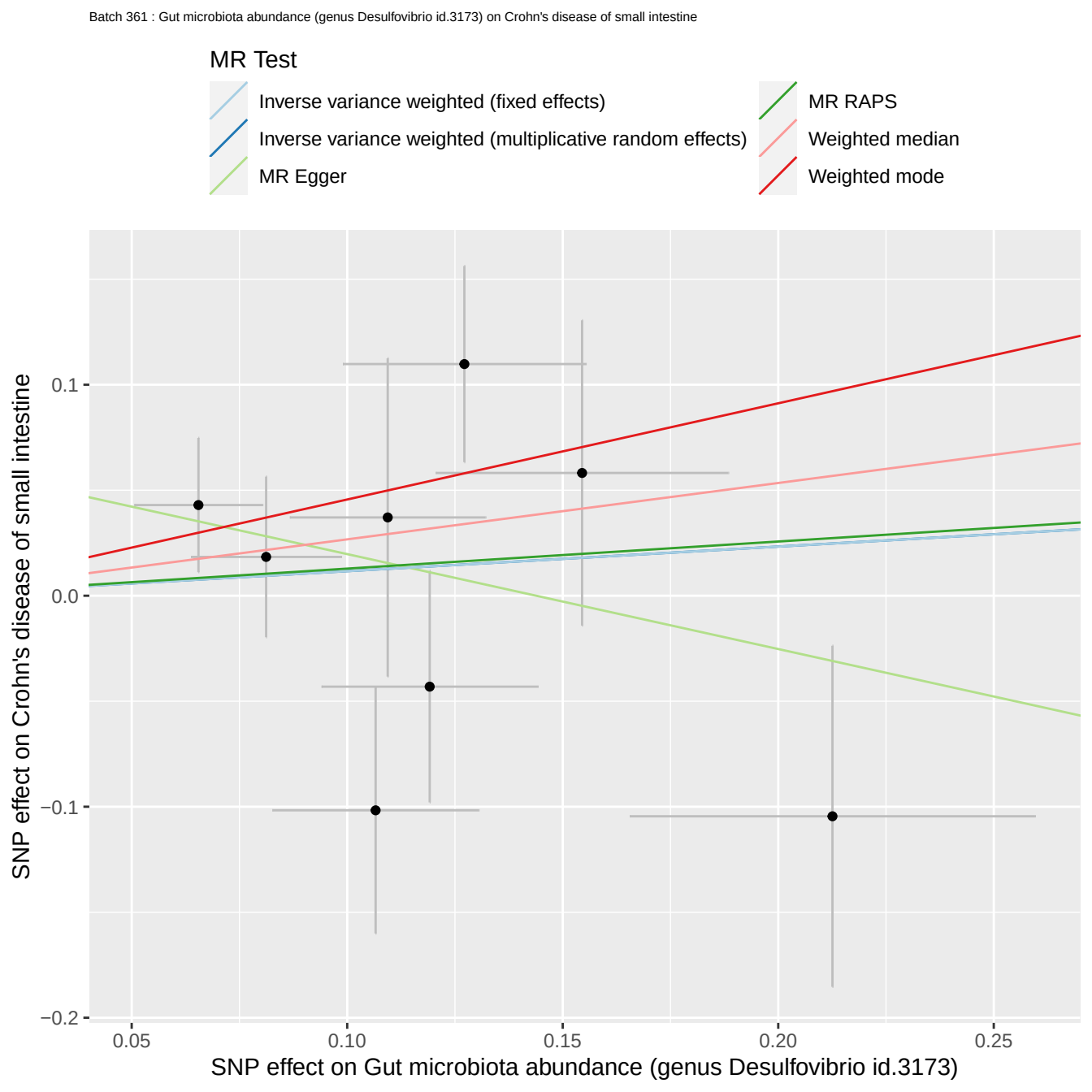

Batch 357 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

Batch 358 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Crohn's disease of small intestine

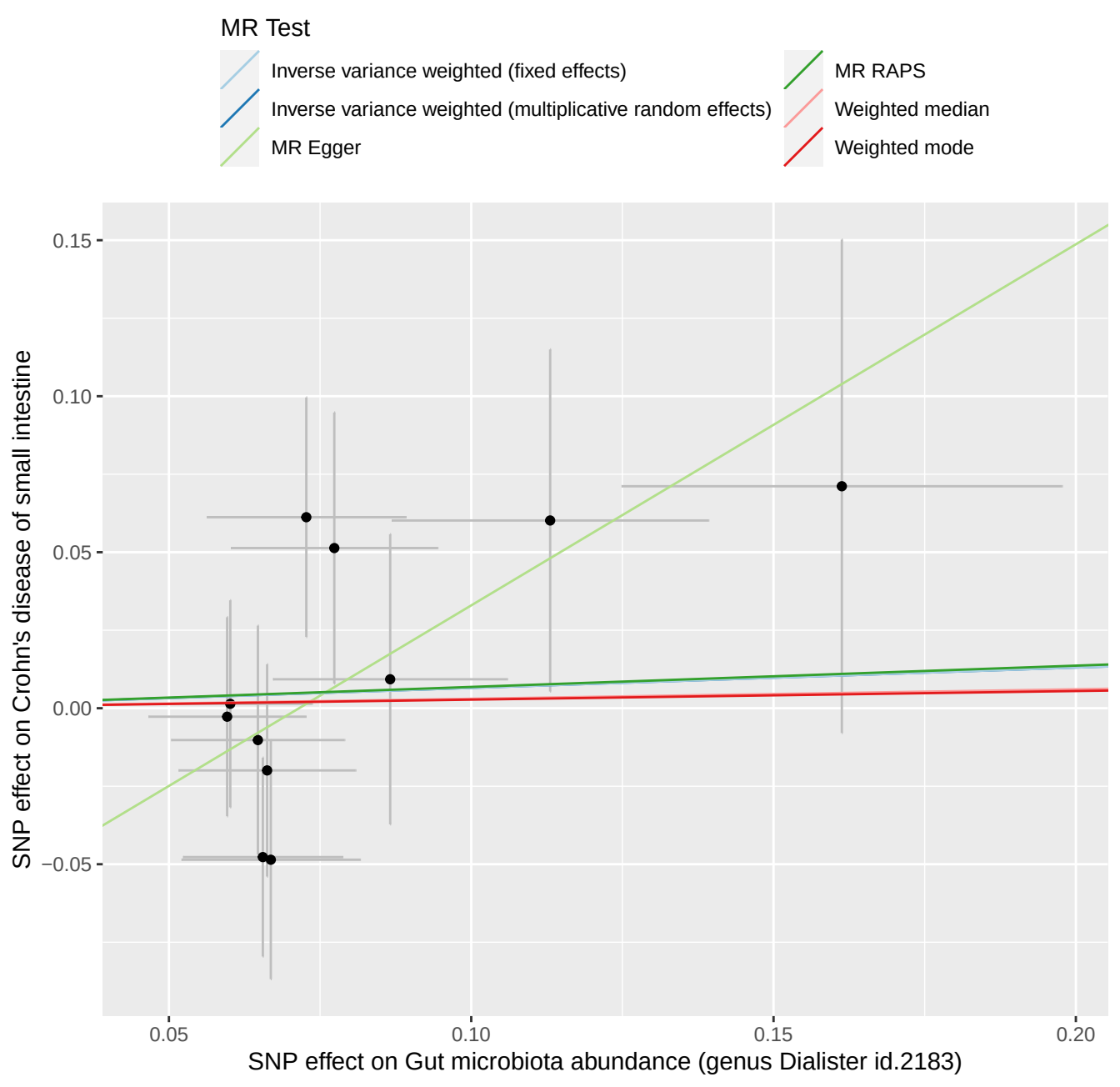



Batch 359 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

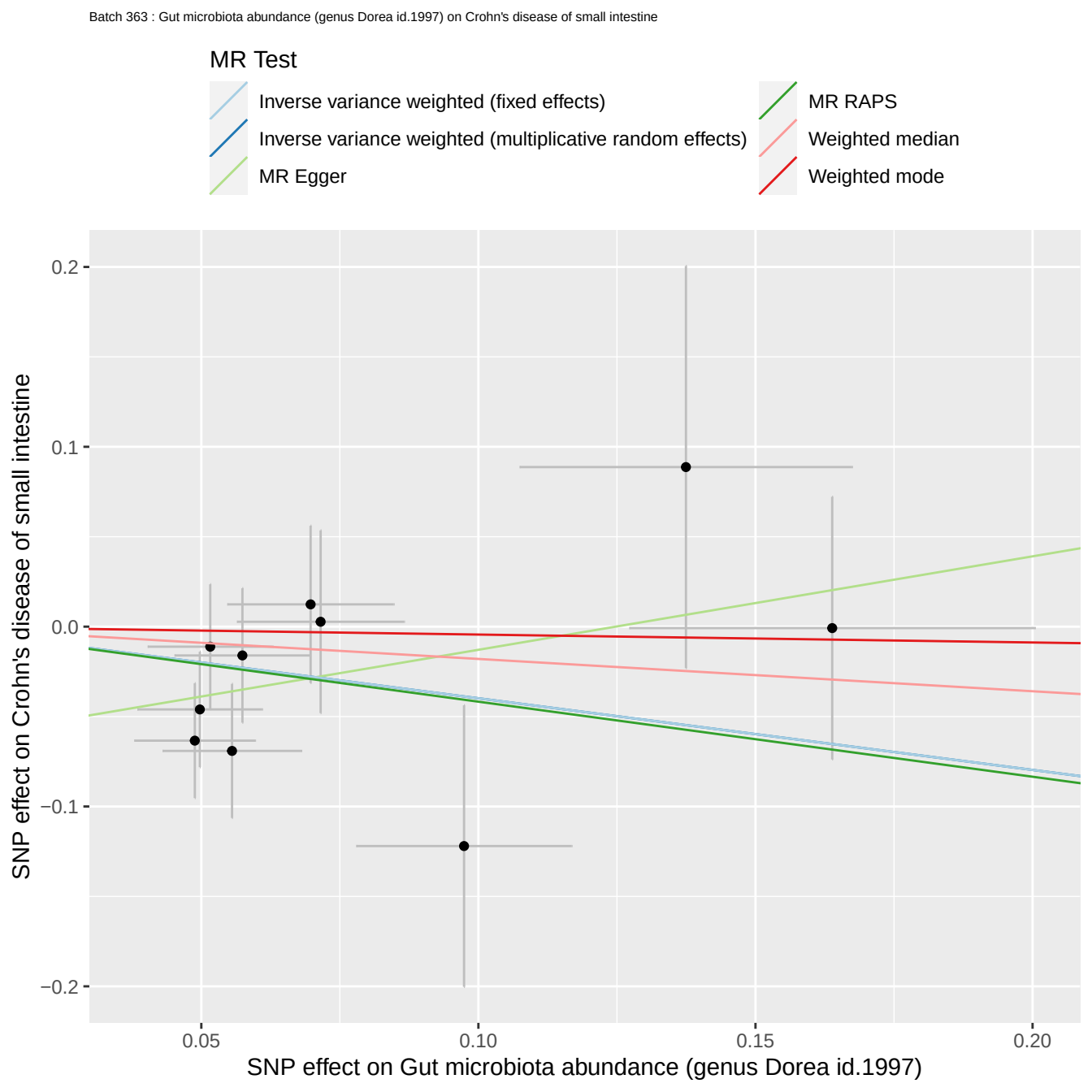

Batch 360 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)


Batch 361 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

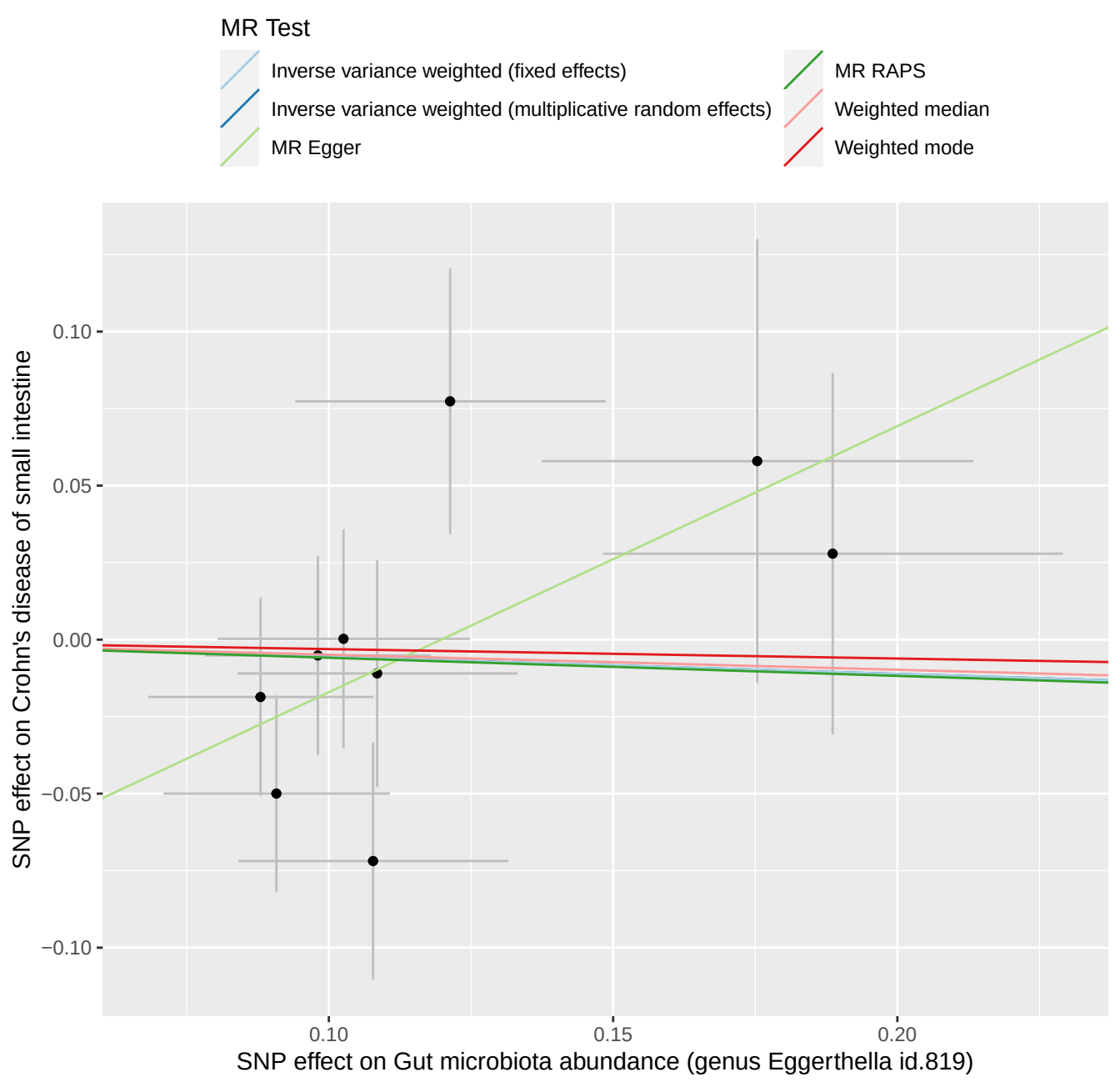
Batch 362 : Gut microbiota abundance (genus Dialister id.2183) on Crohn's disease of small intestine

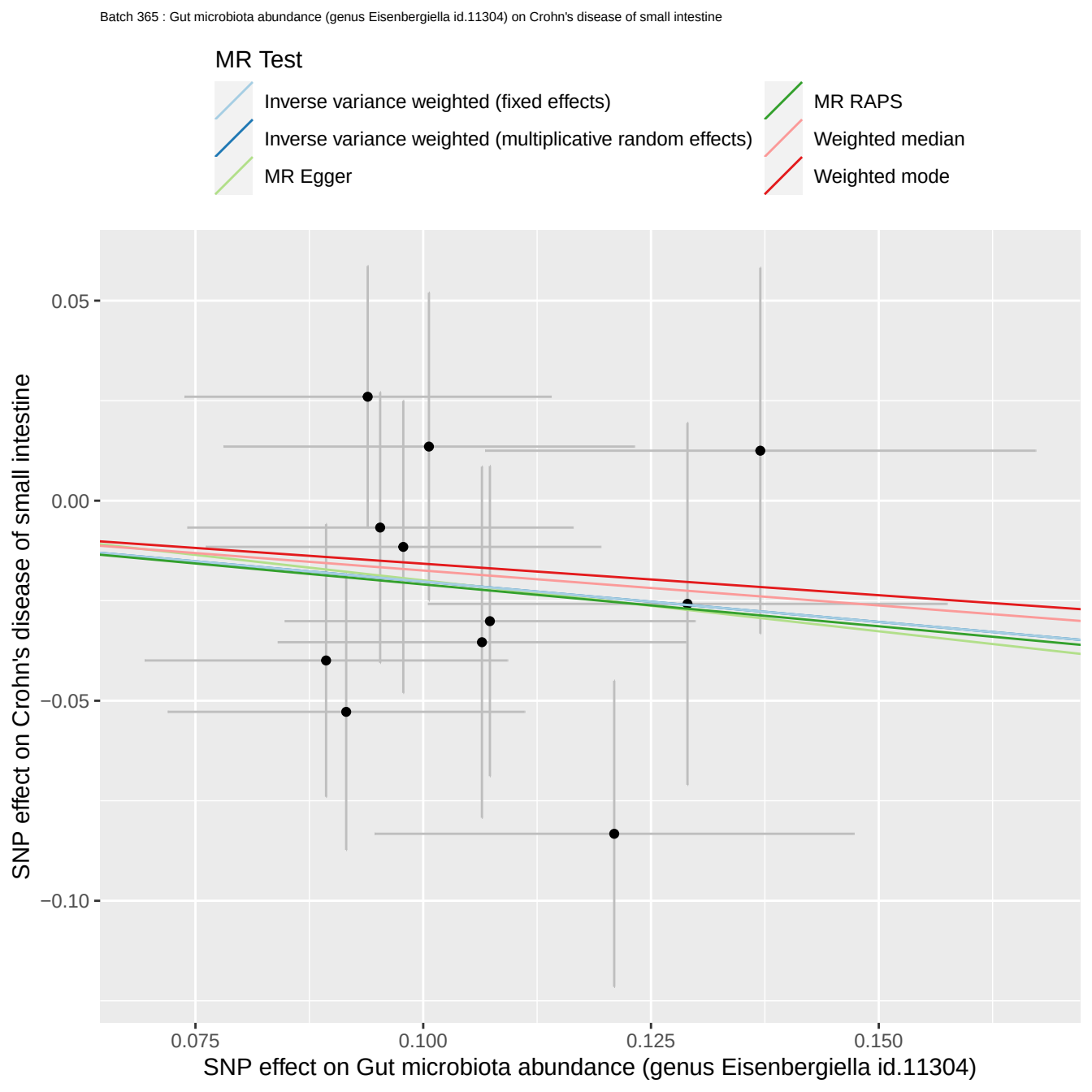


Batch 363 : Gut microbiota abundance (genus Dorea id.1997) on Crohn's disease of small intestine

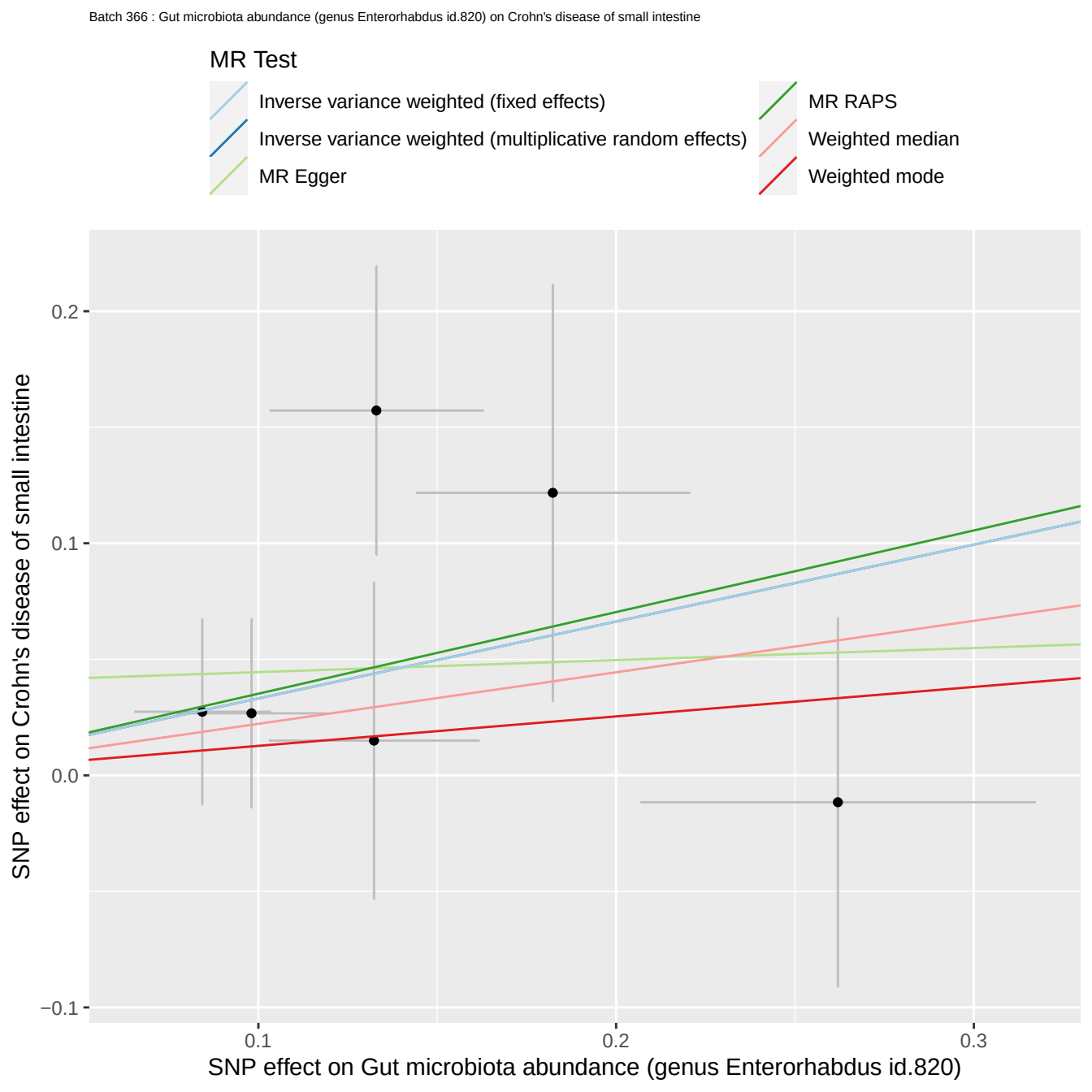


Batch 364 : Gut microbiota abundance (genus Eggerthella id.819) on Crohn's disease of small intestine

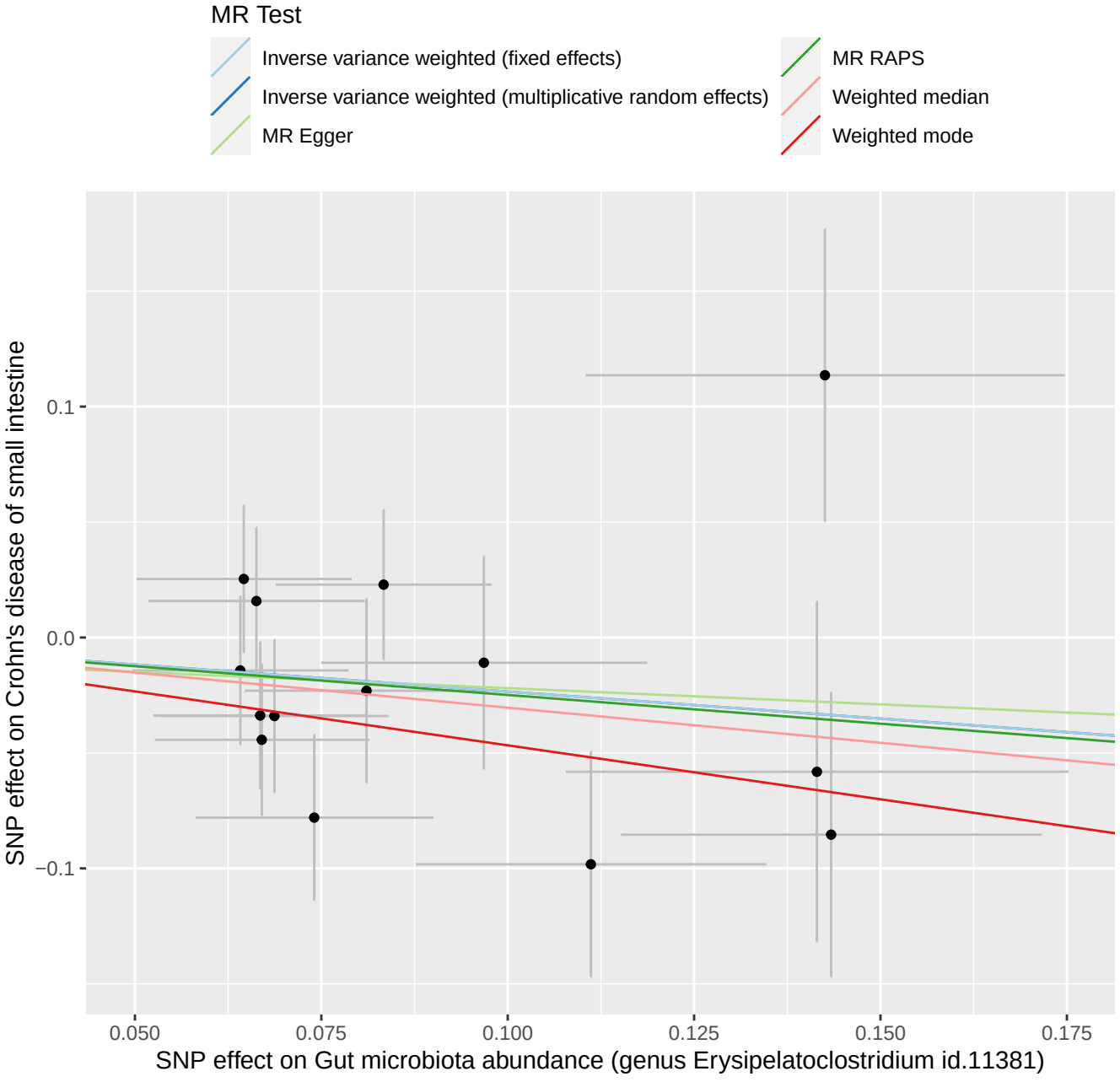



Batch 365 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

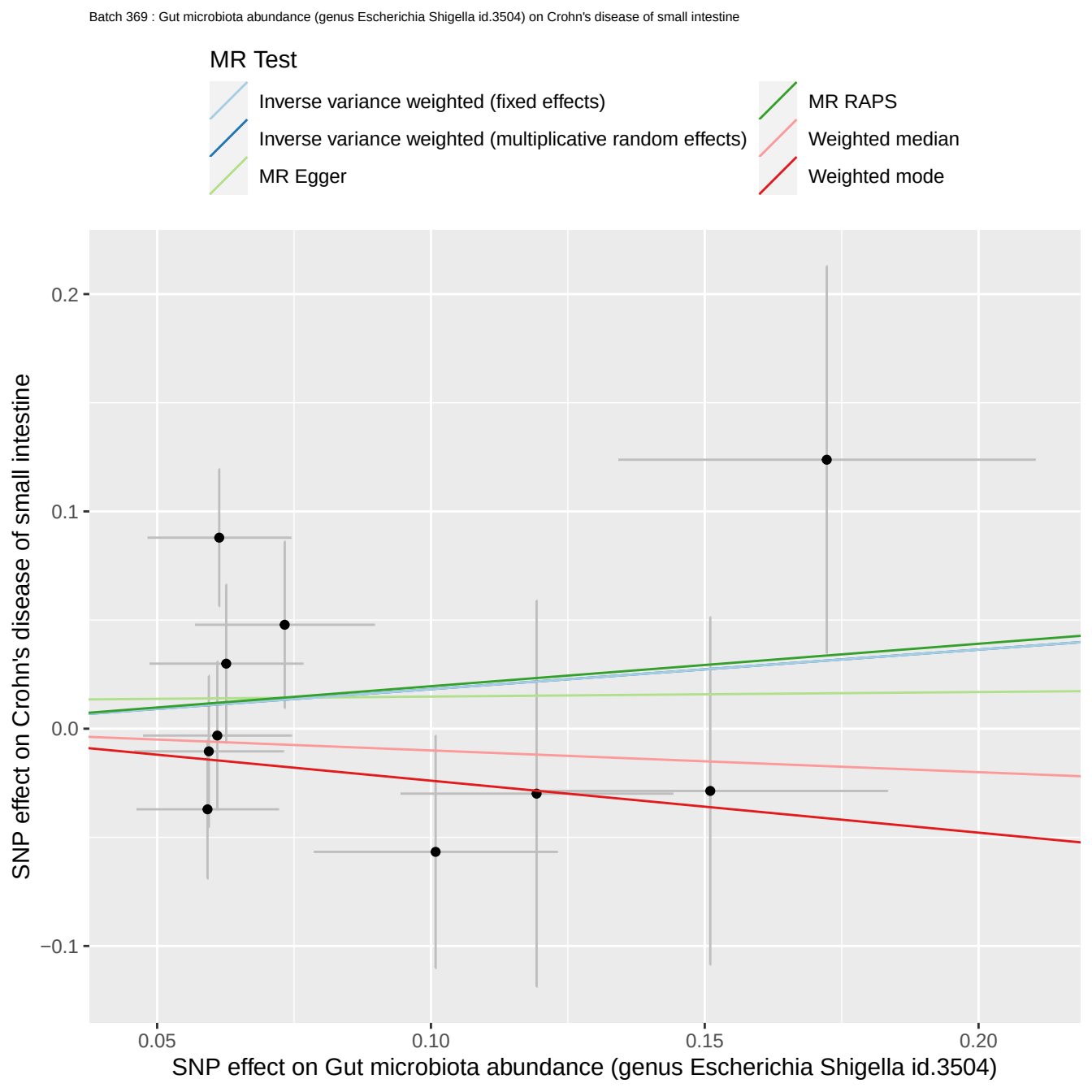
Batch 366 : Gut microbiota abundance (genus Enterorhabdus id.820) on Crohn's disease of small intestine

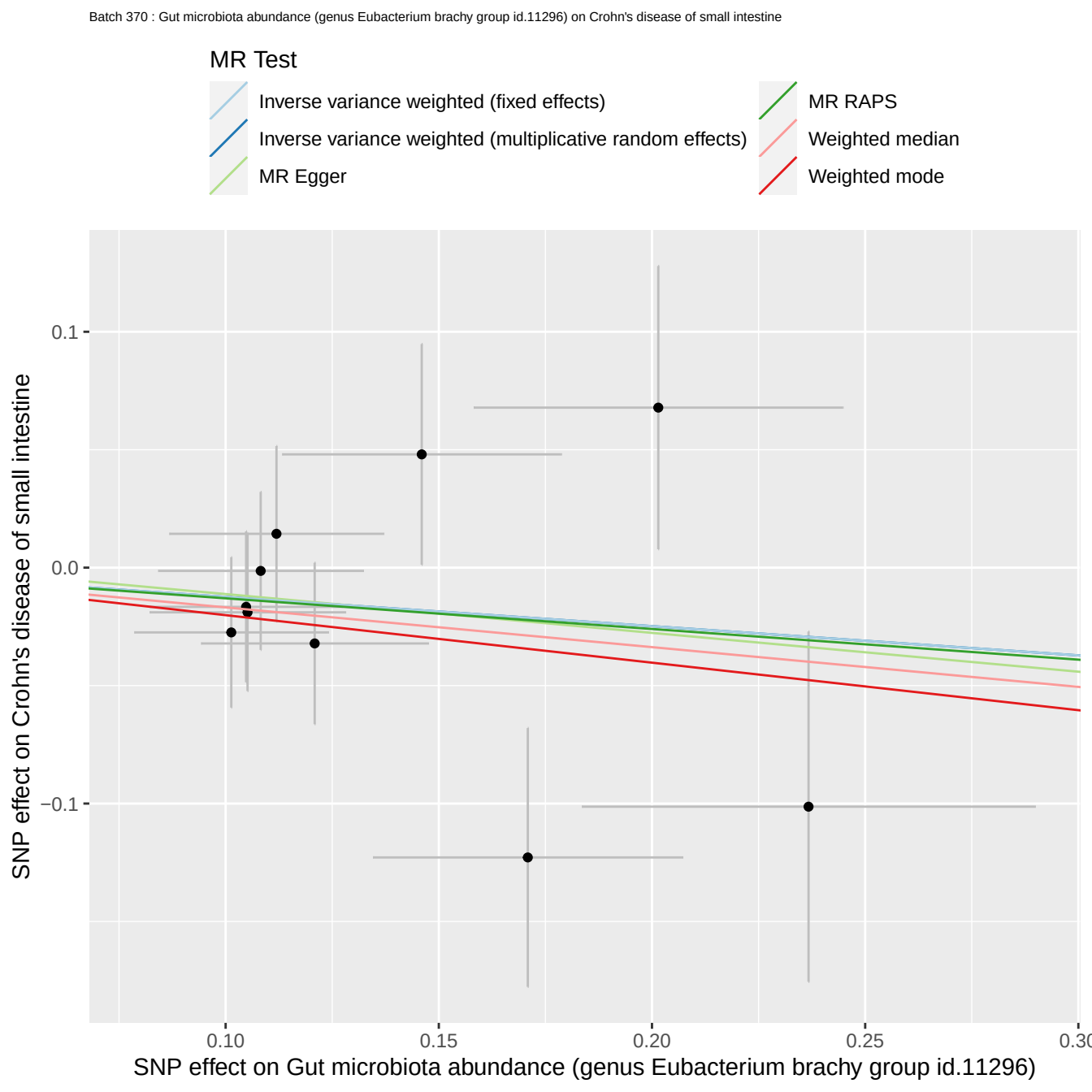


Batch 367 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Crohn's disease of small intestine

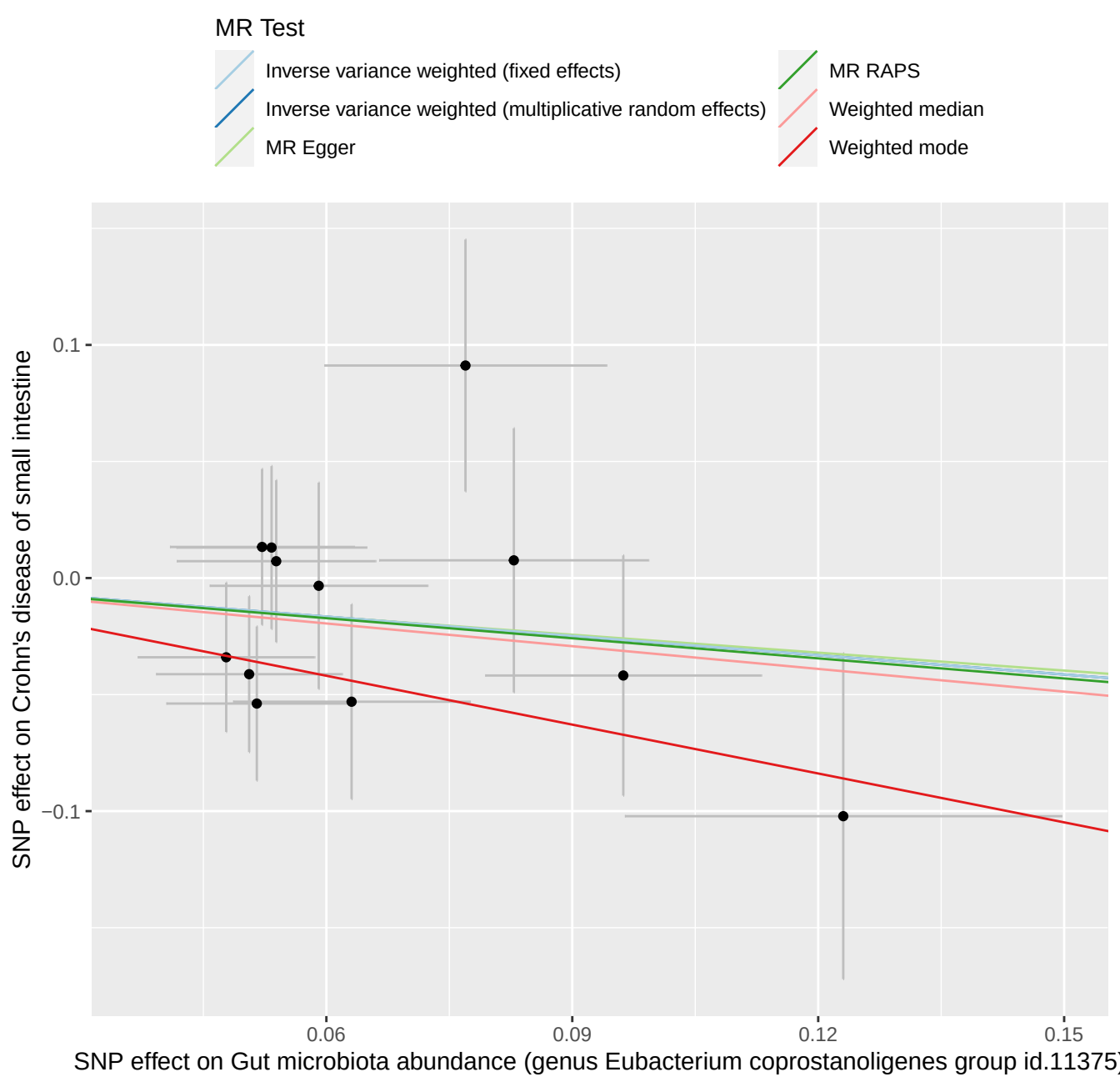


Insufficient number of SNPs

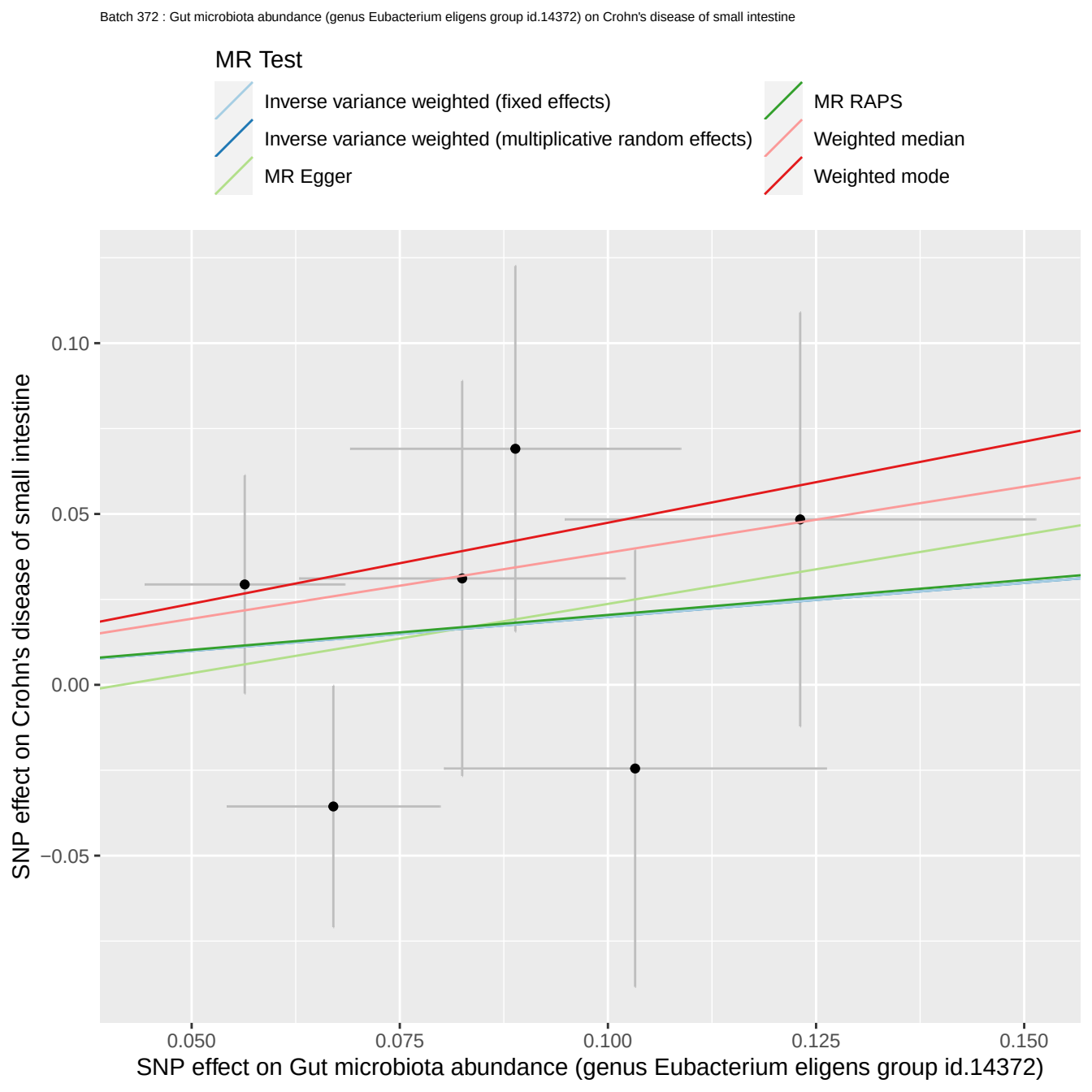

Batch 369 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

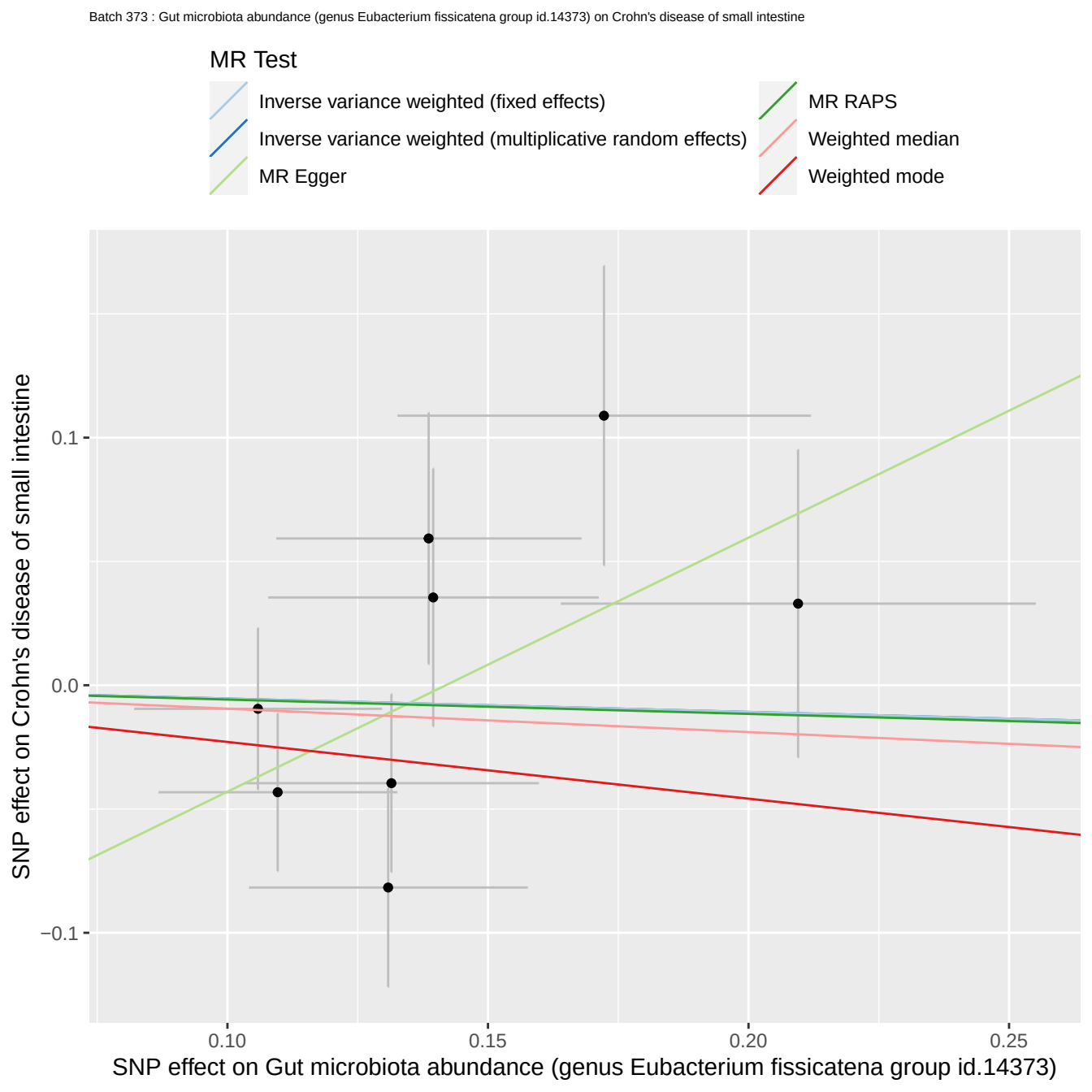

Batch 370 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

Batch 371 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Crohn's disease of small intestine

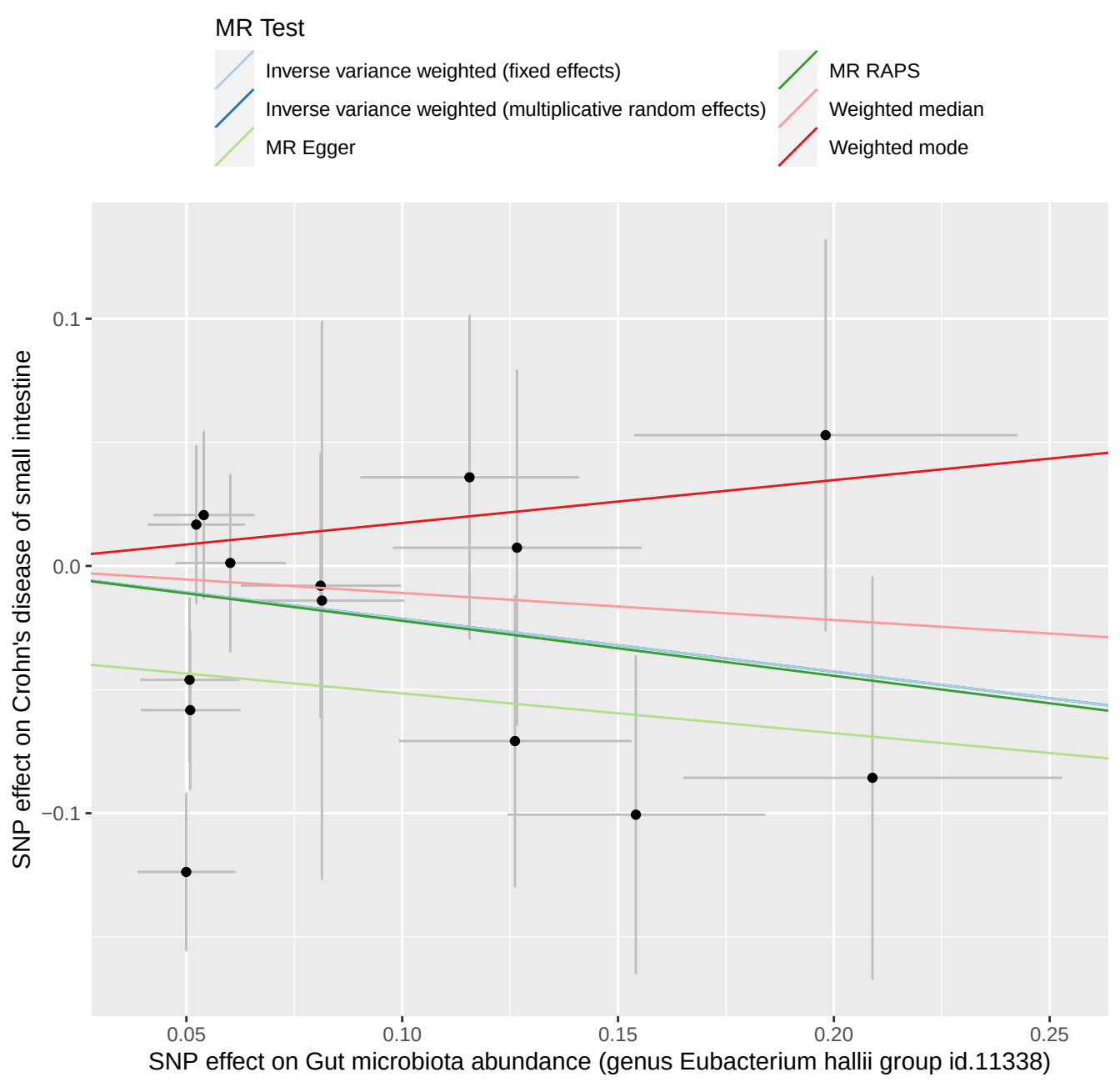


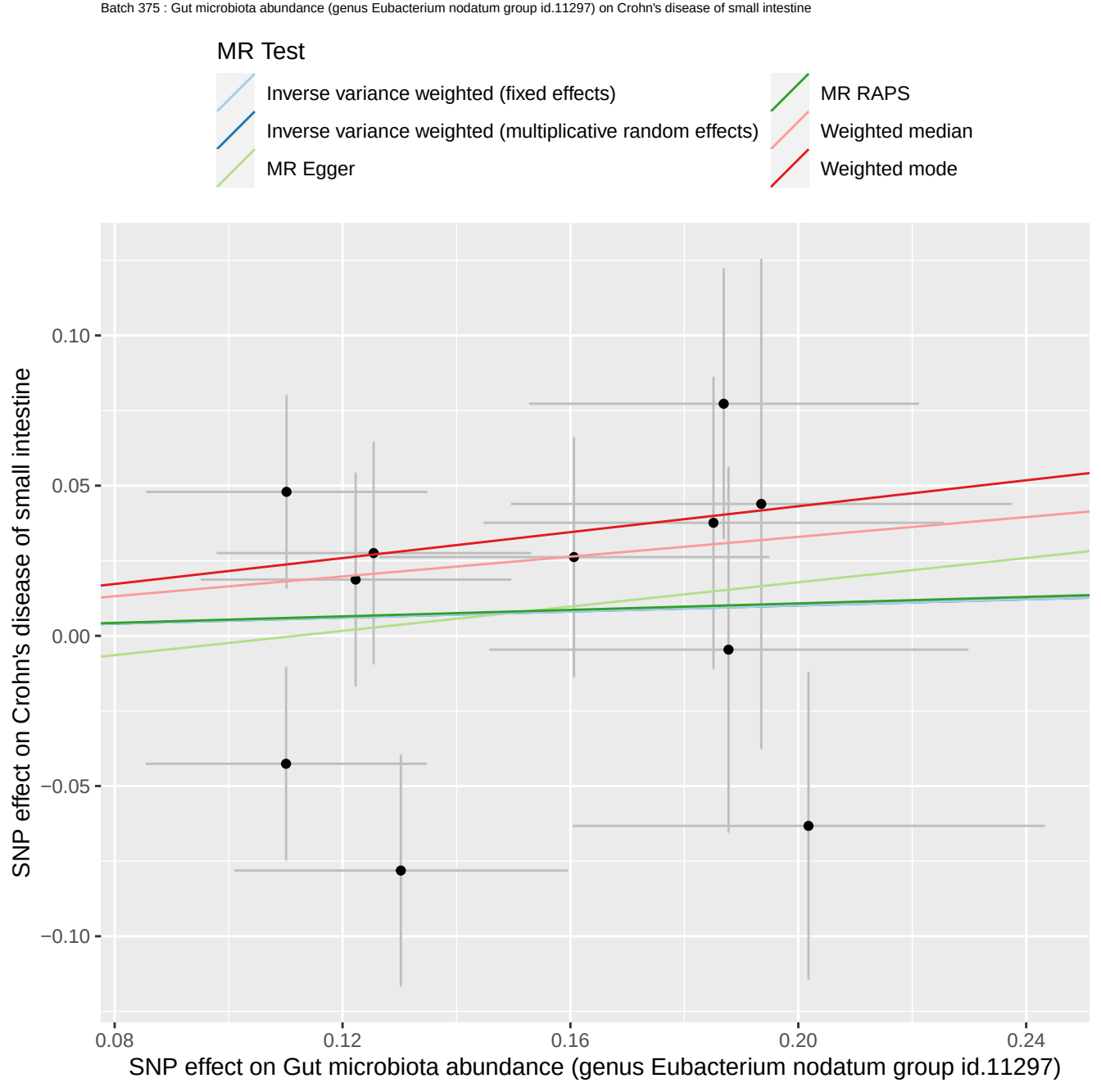
Batch 372 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Crohn's disease of small intestine



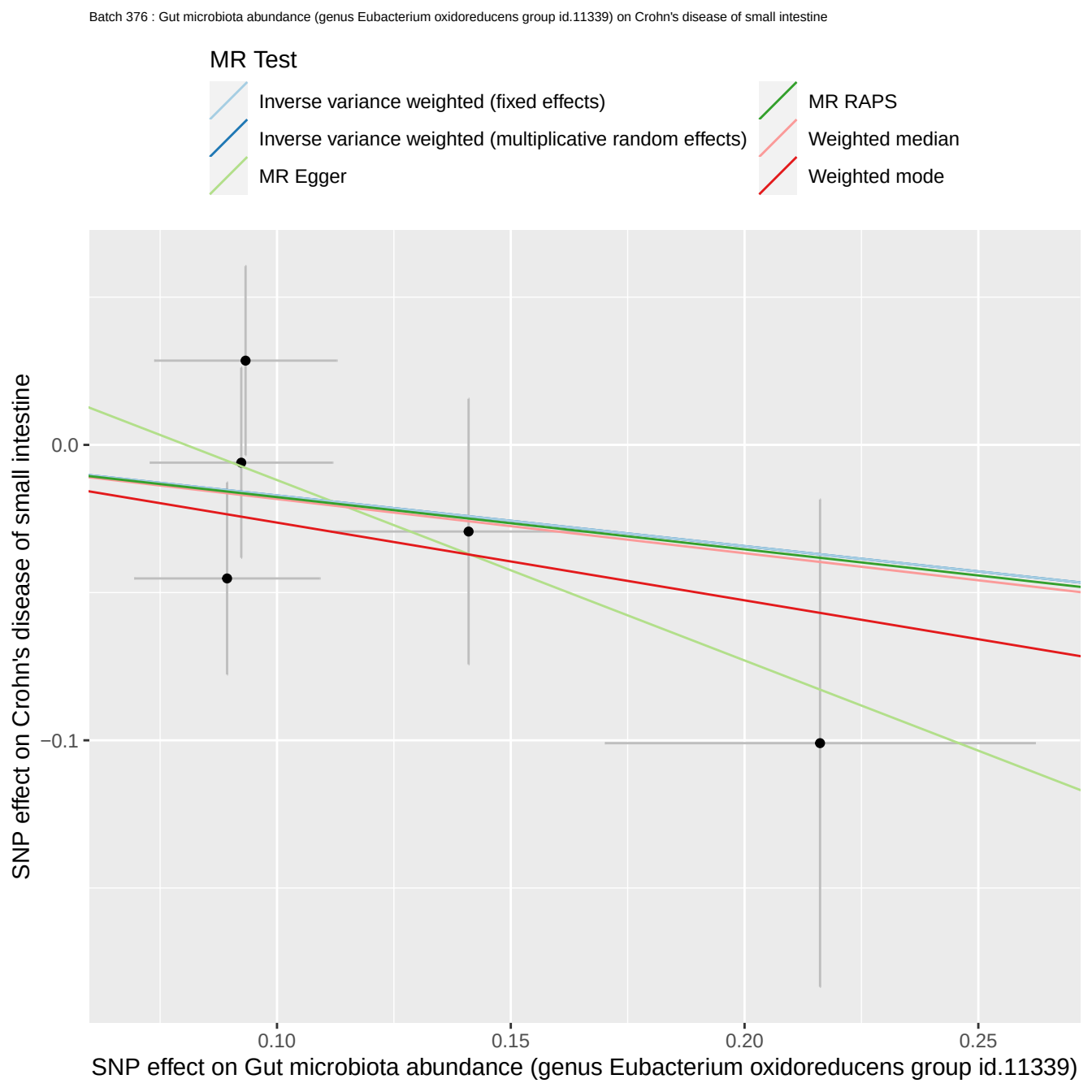

Batch 373 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

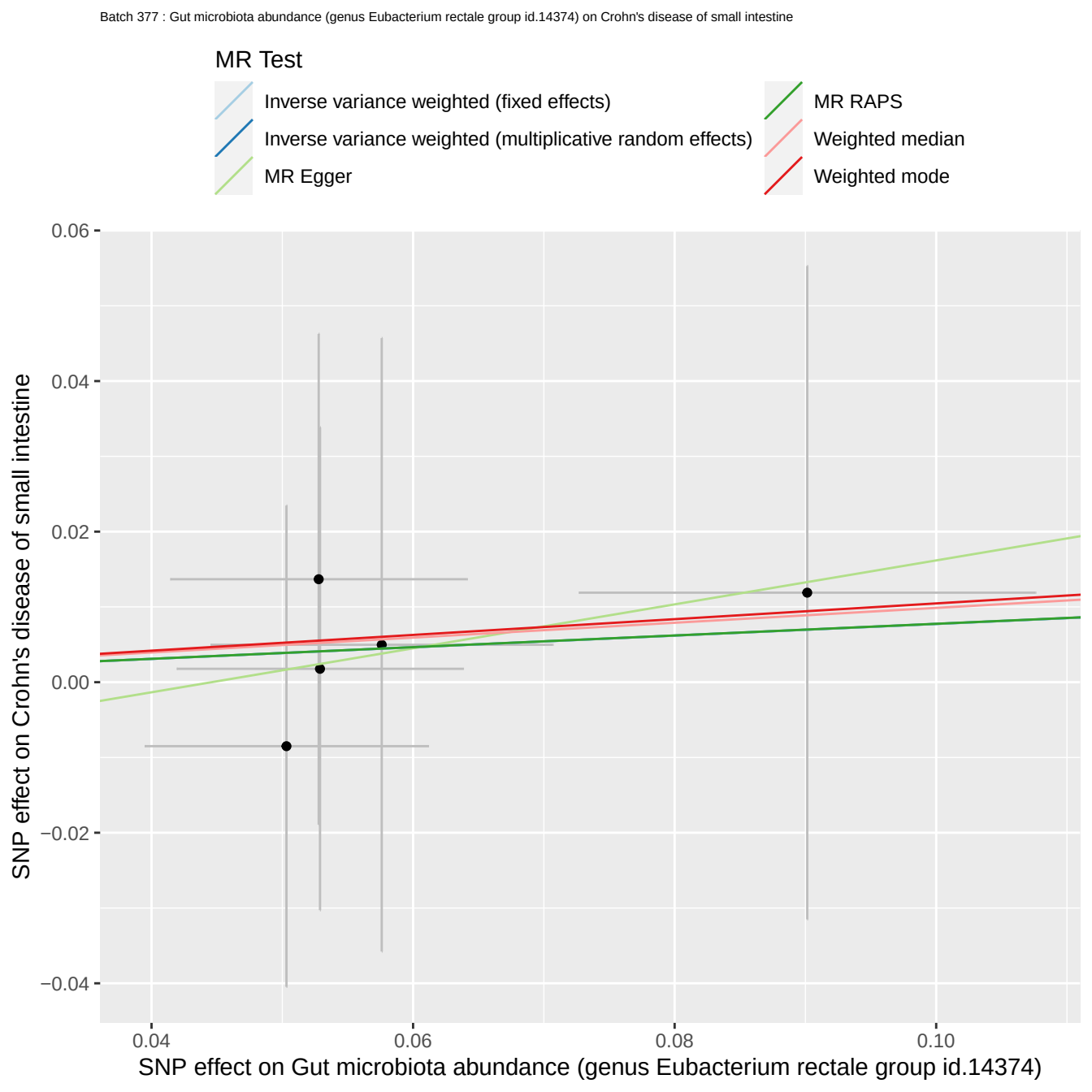
Batch 374 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Crohn's disease of small intestine



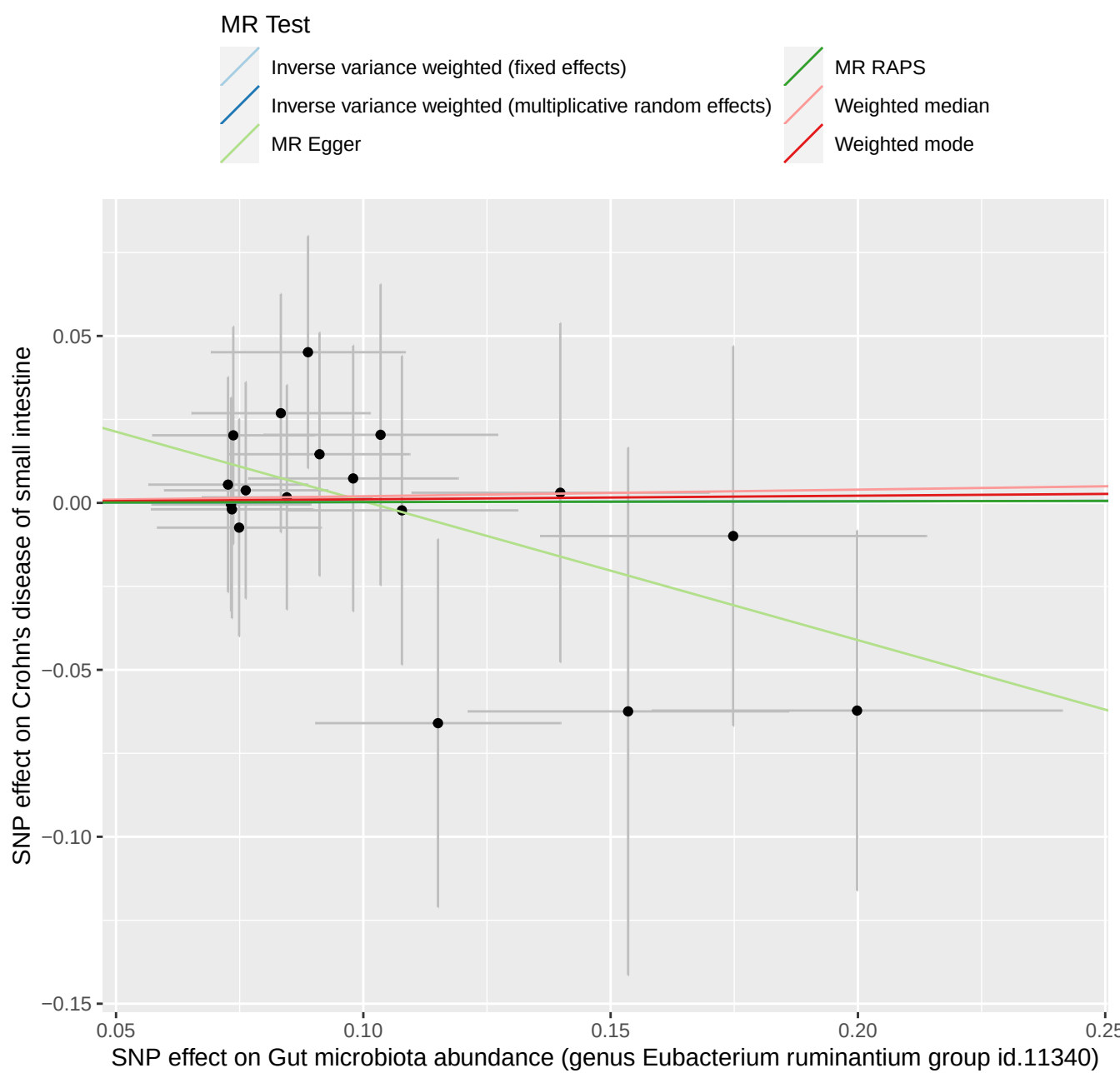

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Eubacterium nodatum group id.11297)

Batch 376 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Crohn's disease of small intestine

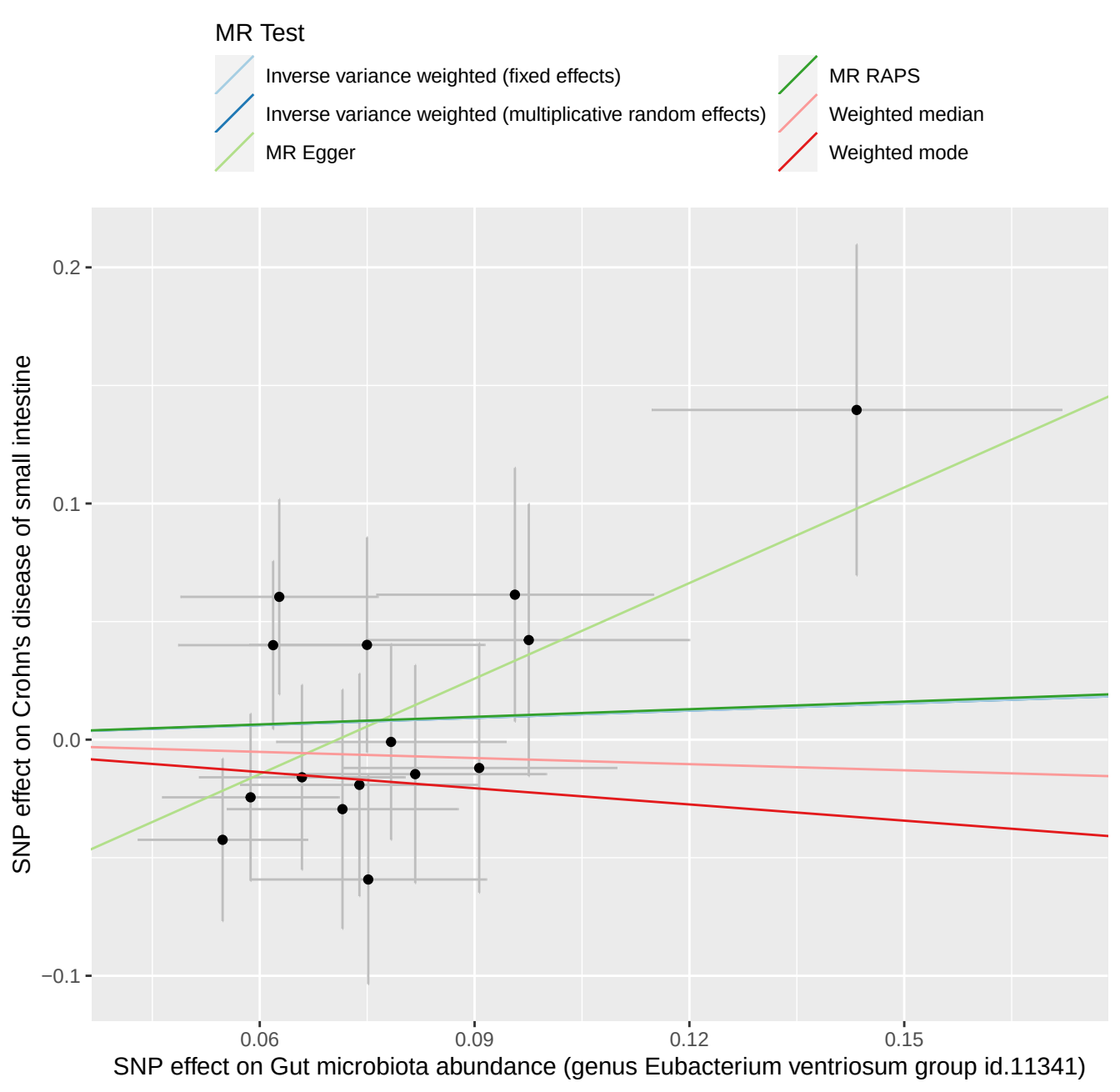



Batch 377 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.06
0.04
0.02
0.00
−0.02
−0.04
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

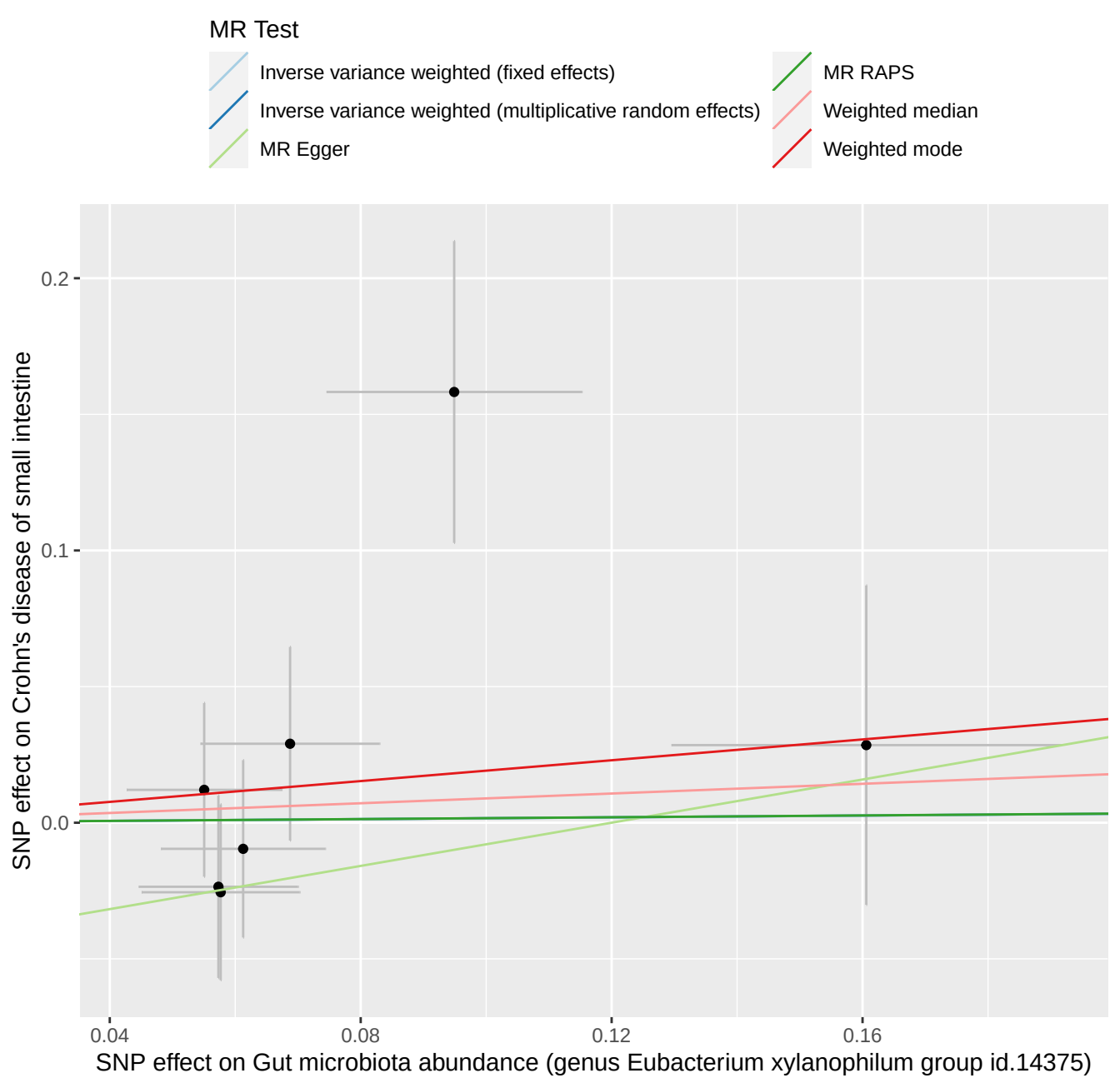
Batch 378 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Crohn's disease of small intestine

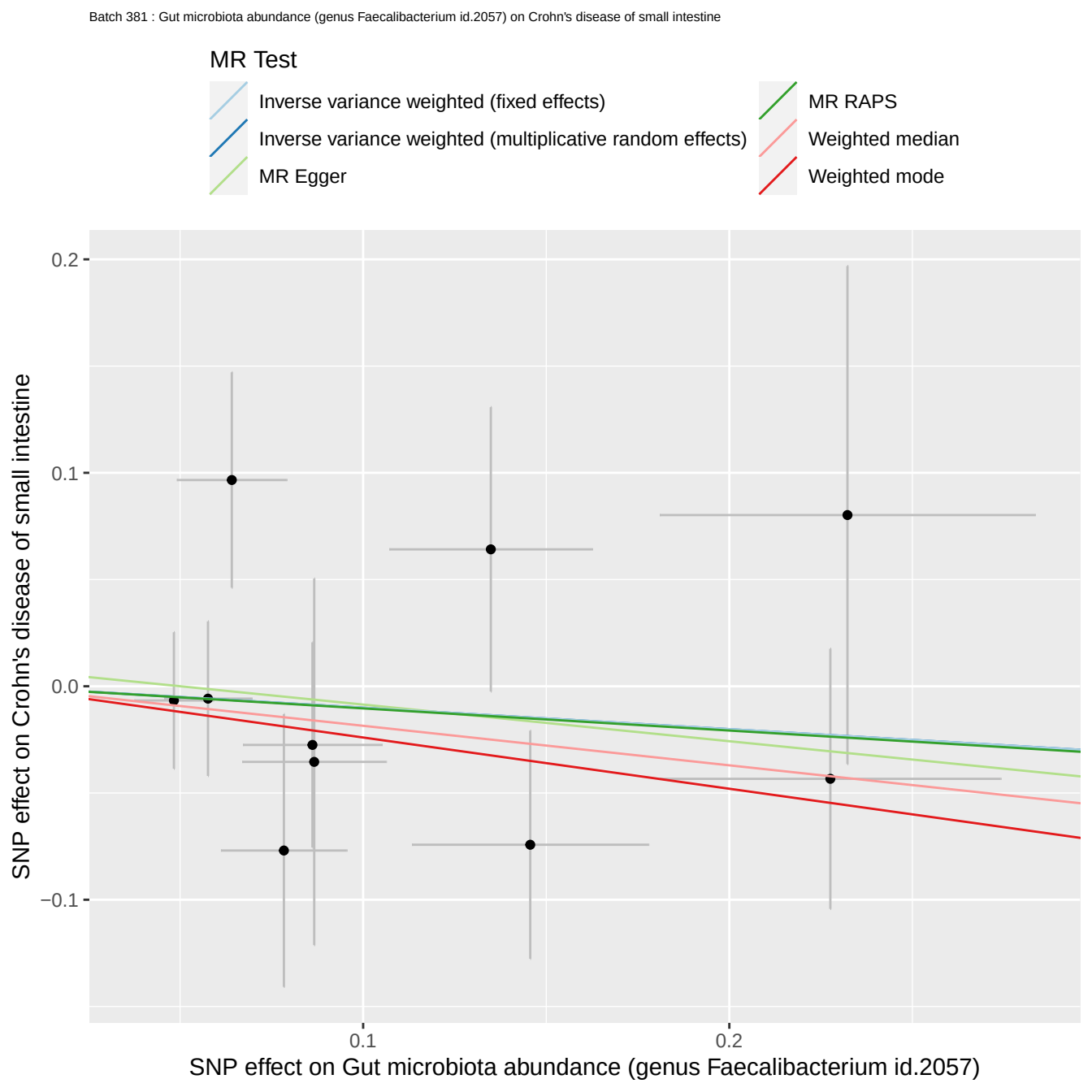


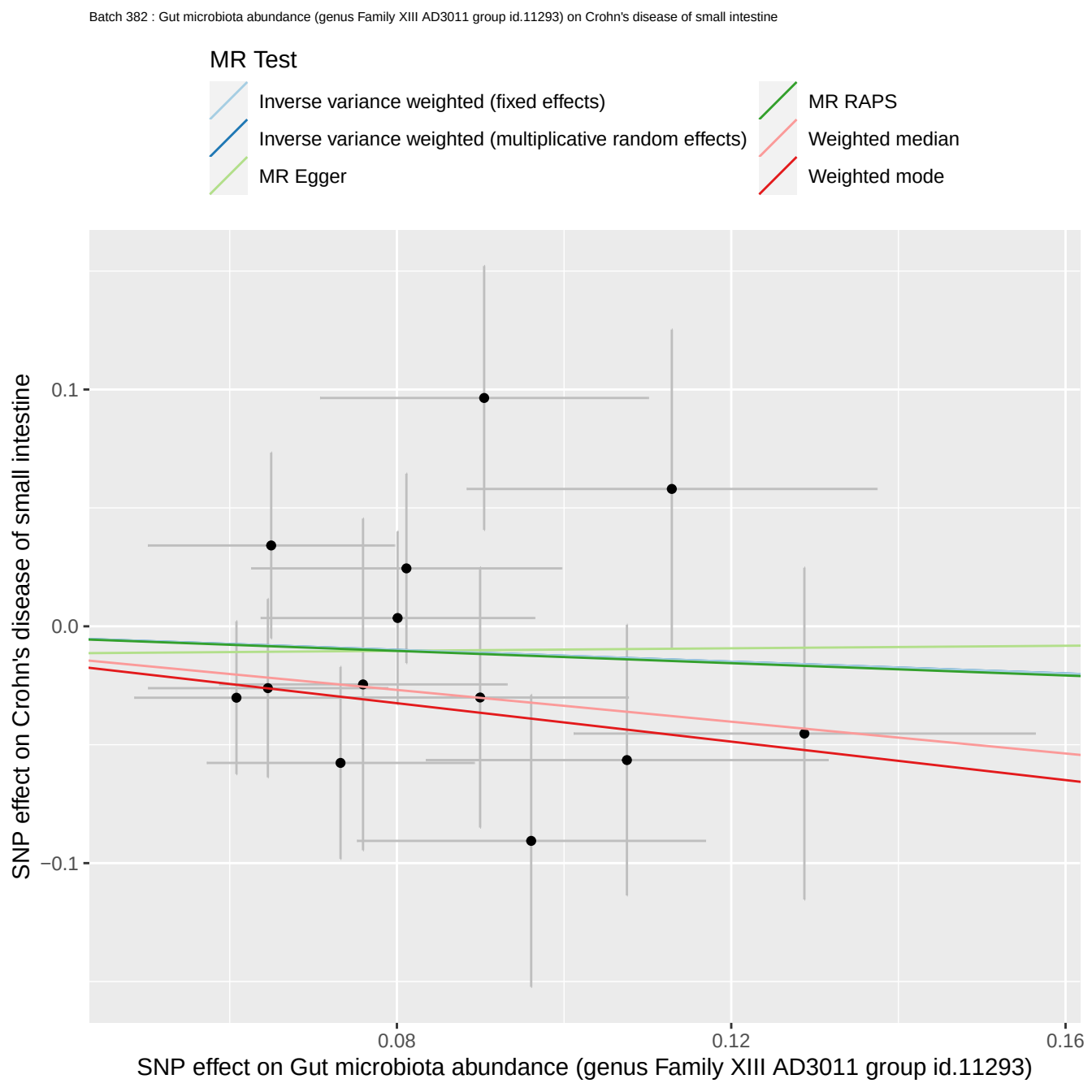
Batch 379 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Crohn's disease of small intestine



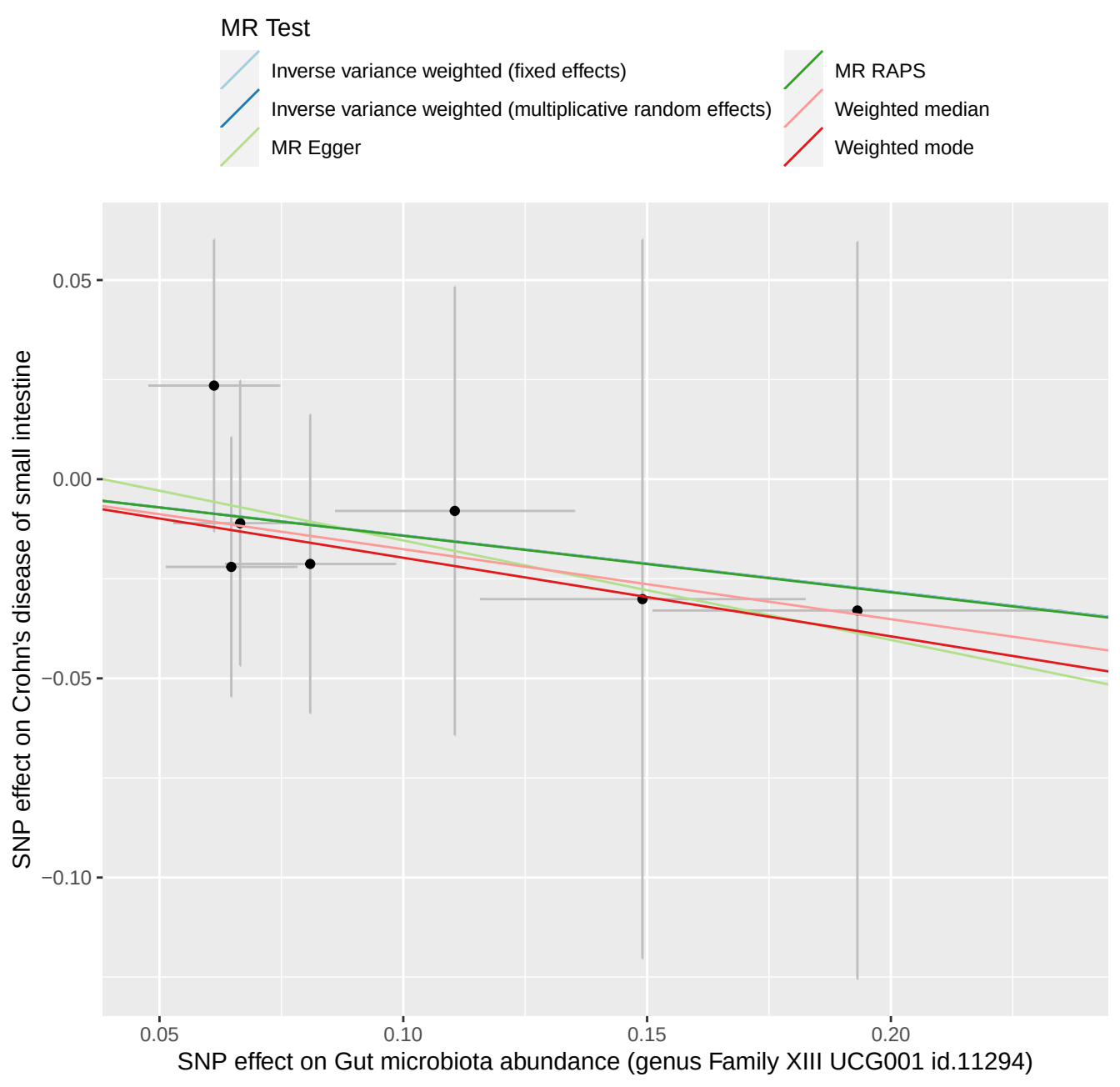
Batch 380 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Crohn's disease of small intestine



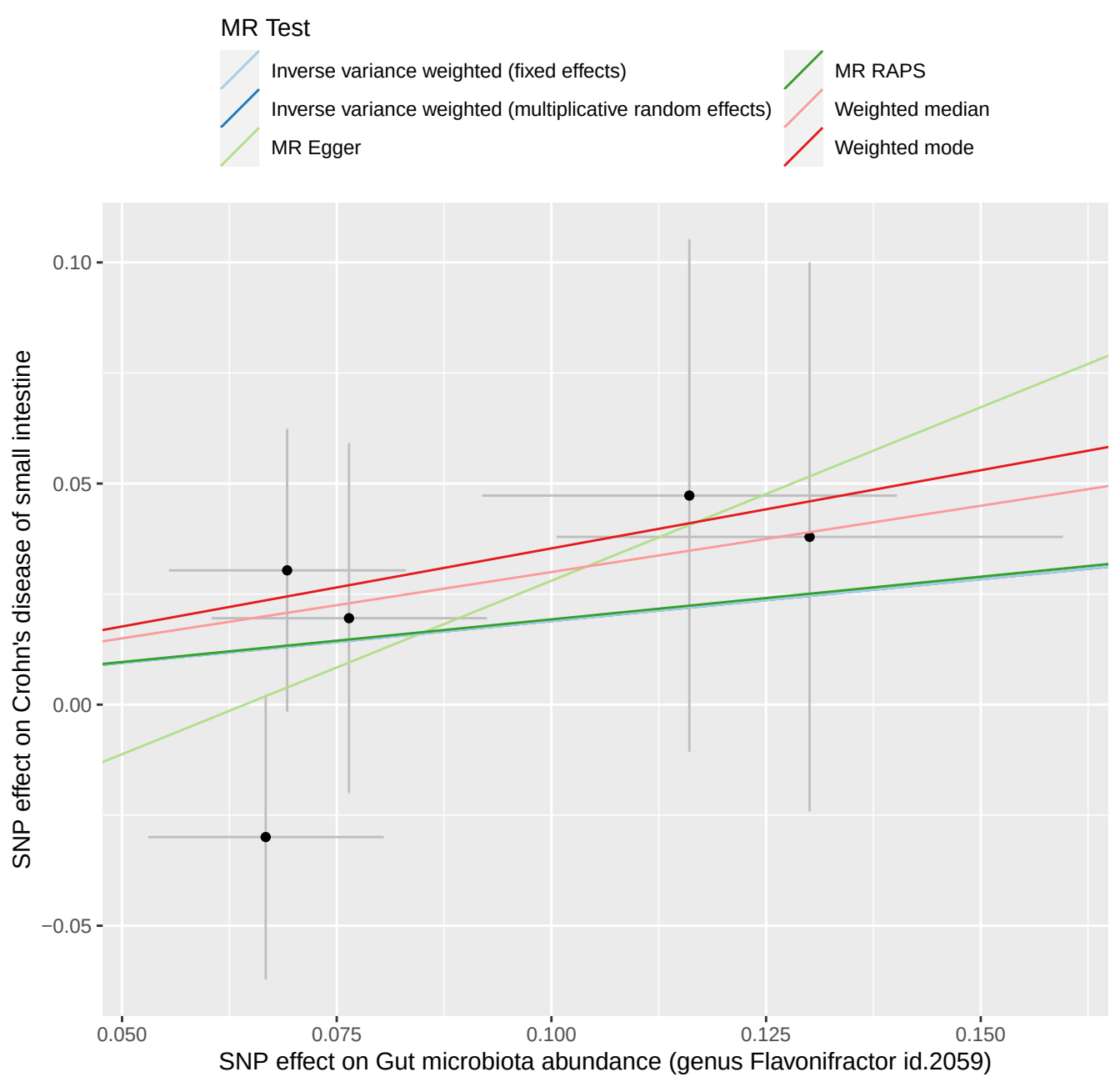

Batch 381 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

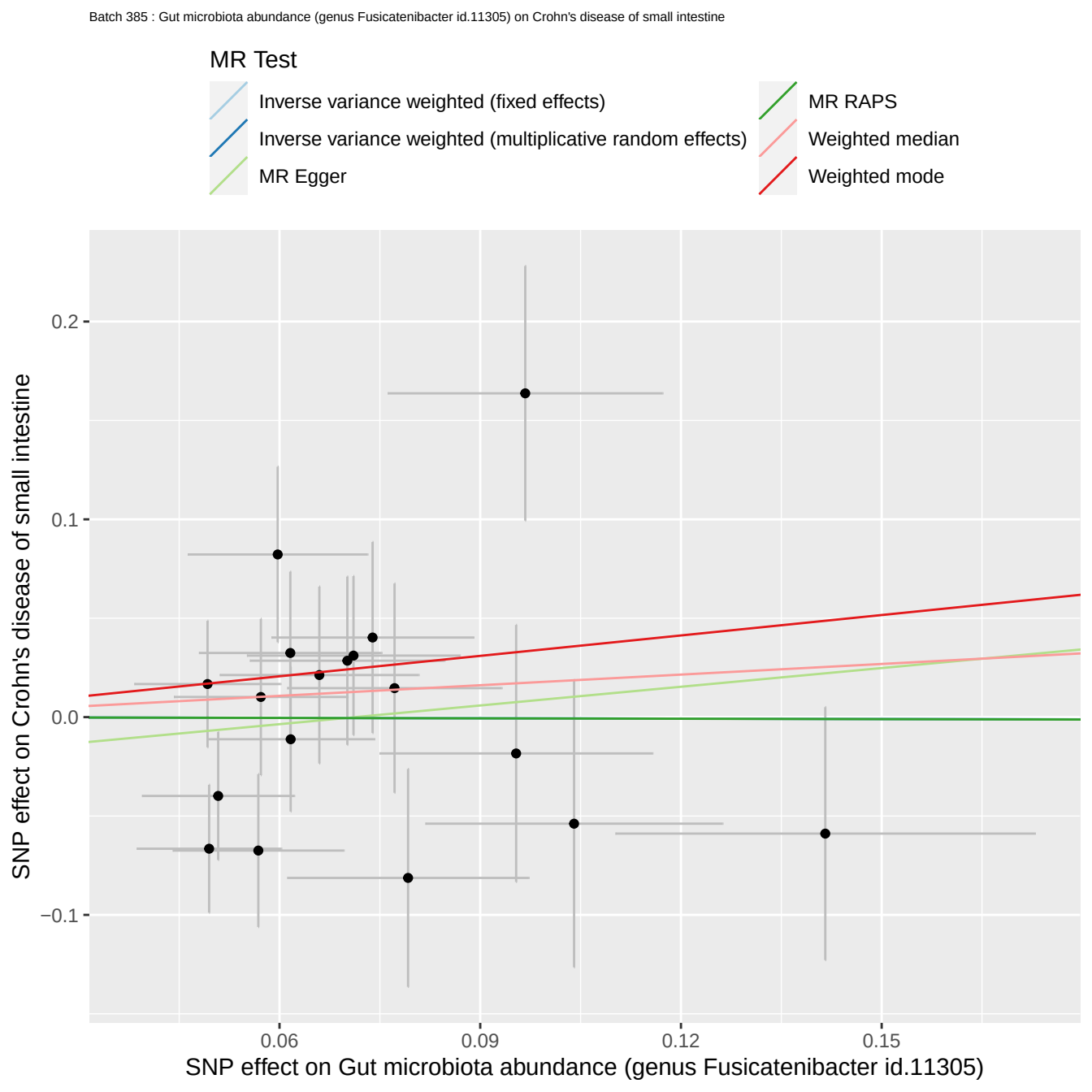

Batch 382 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)

Batch 383 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Crohn's disease of small intestine

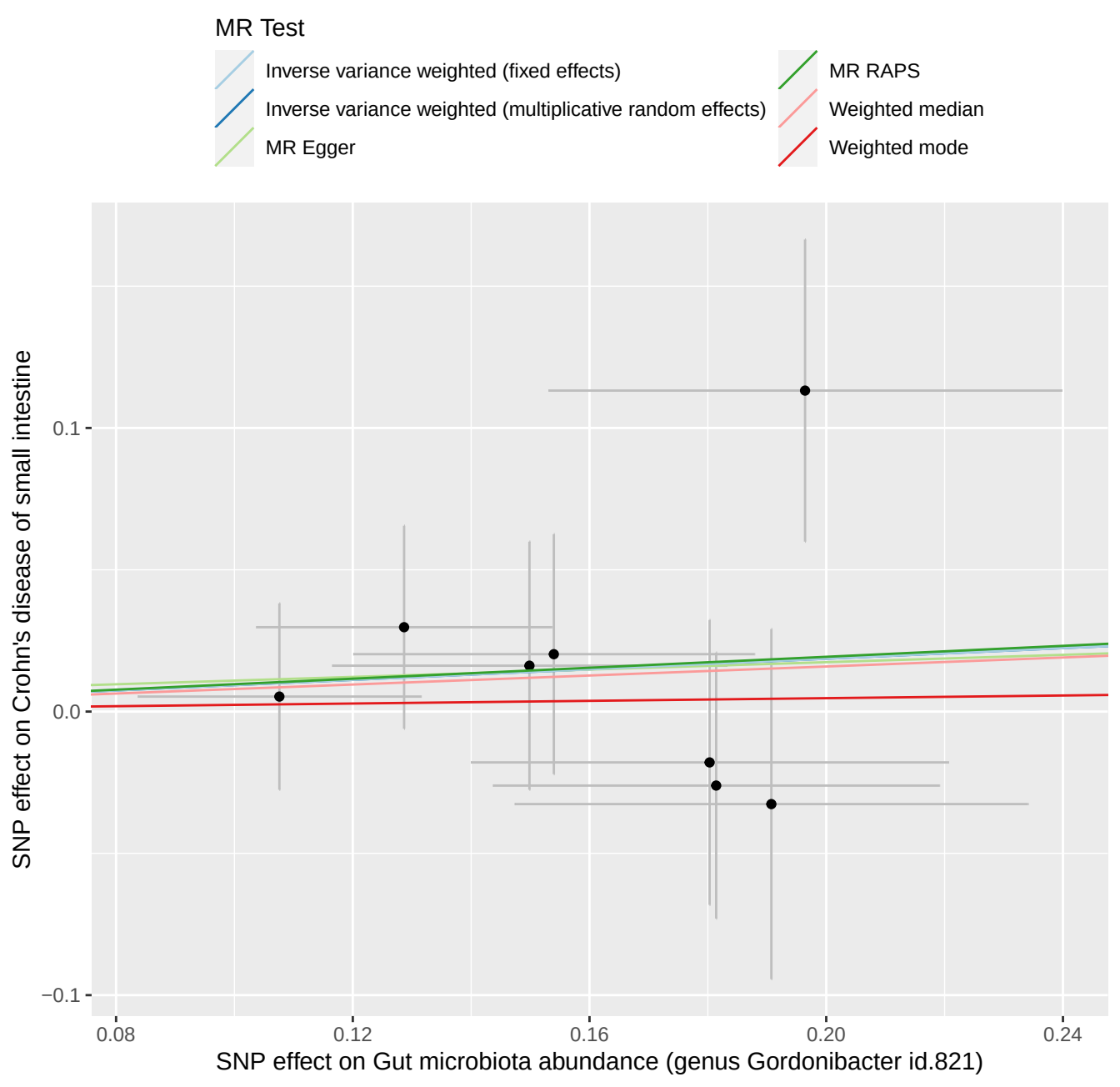


Batch 384 : Gut microbiota abundance (genus Flavonifractor id.2059) on Crohn's disease of small intestine

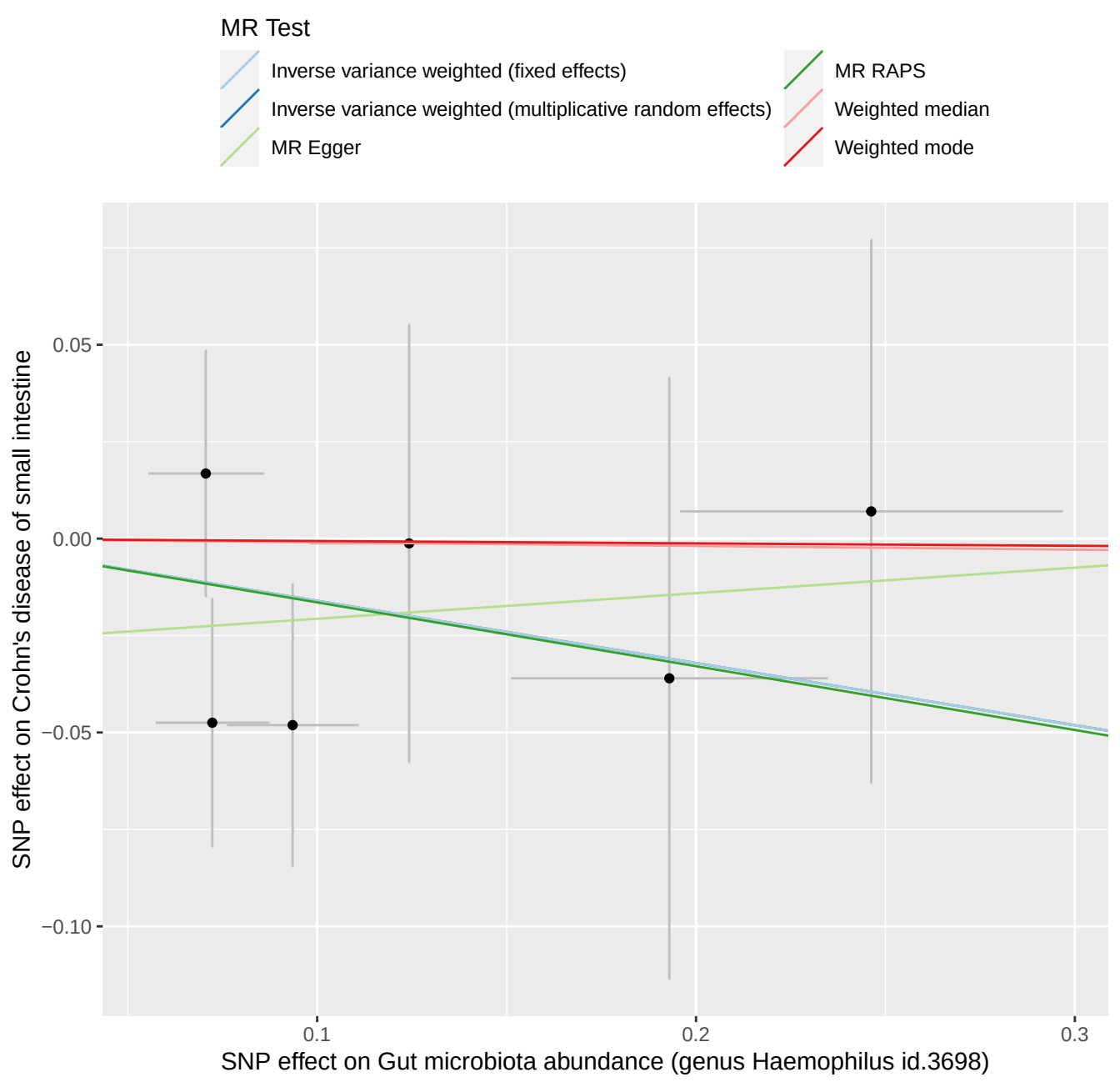



Batch 385 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

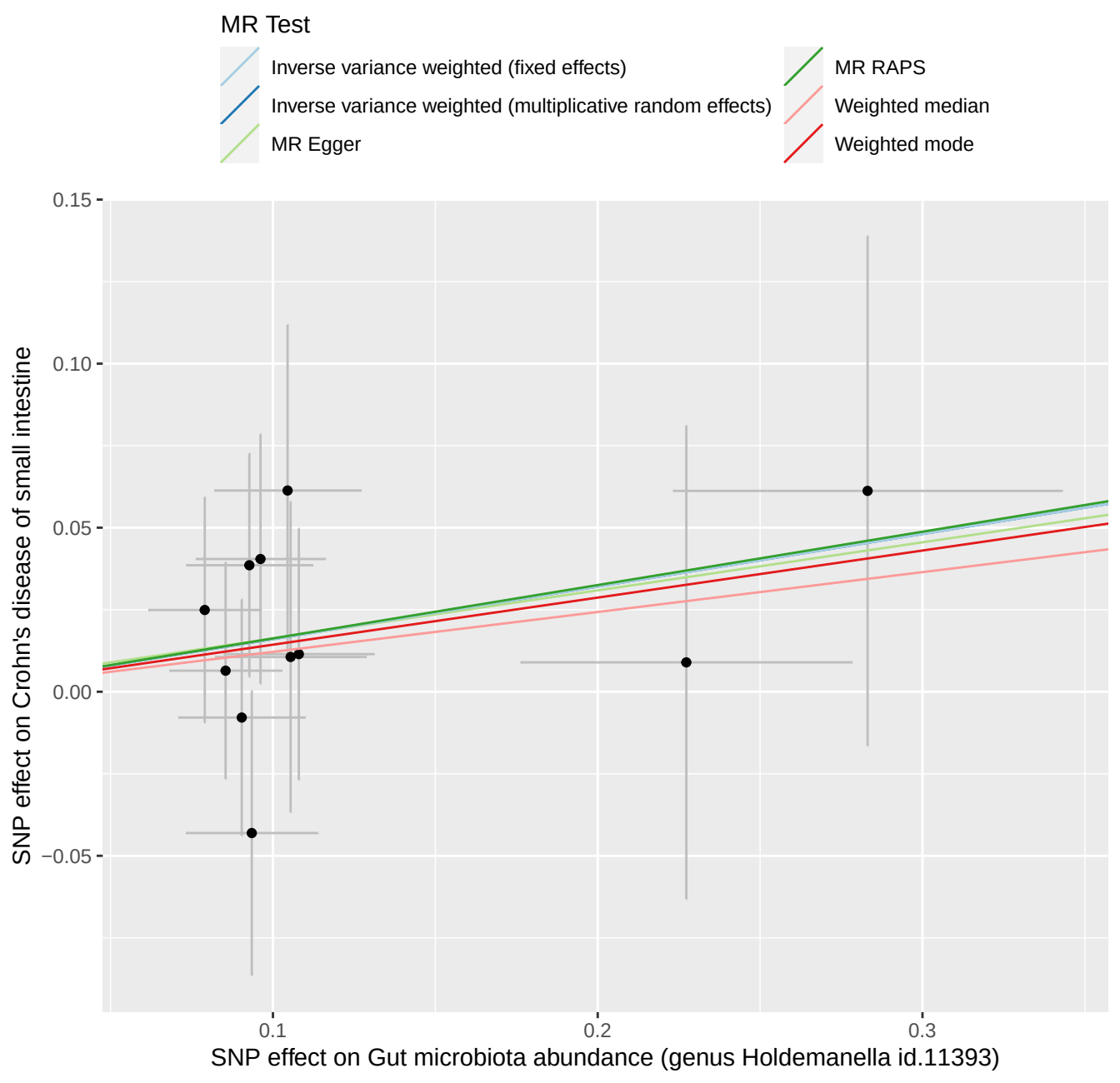
Batch 386 : Gut microbiota abundance (genus Gordonibacter id.821) on Crohn's disease of small intestine



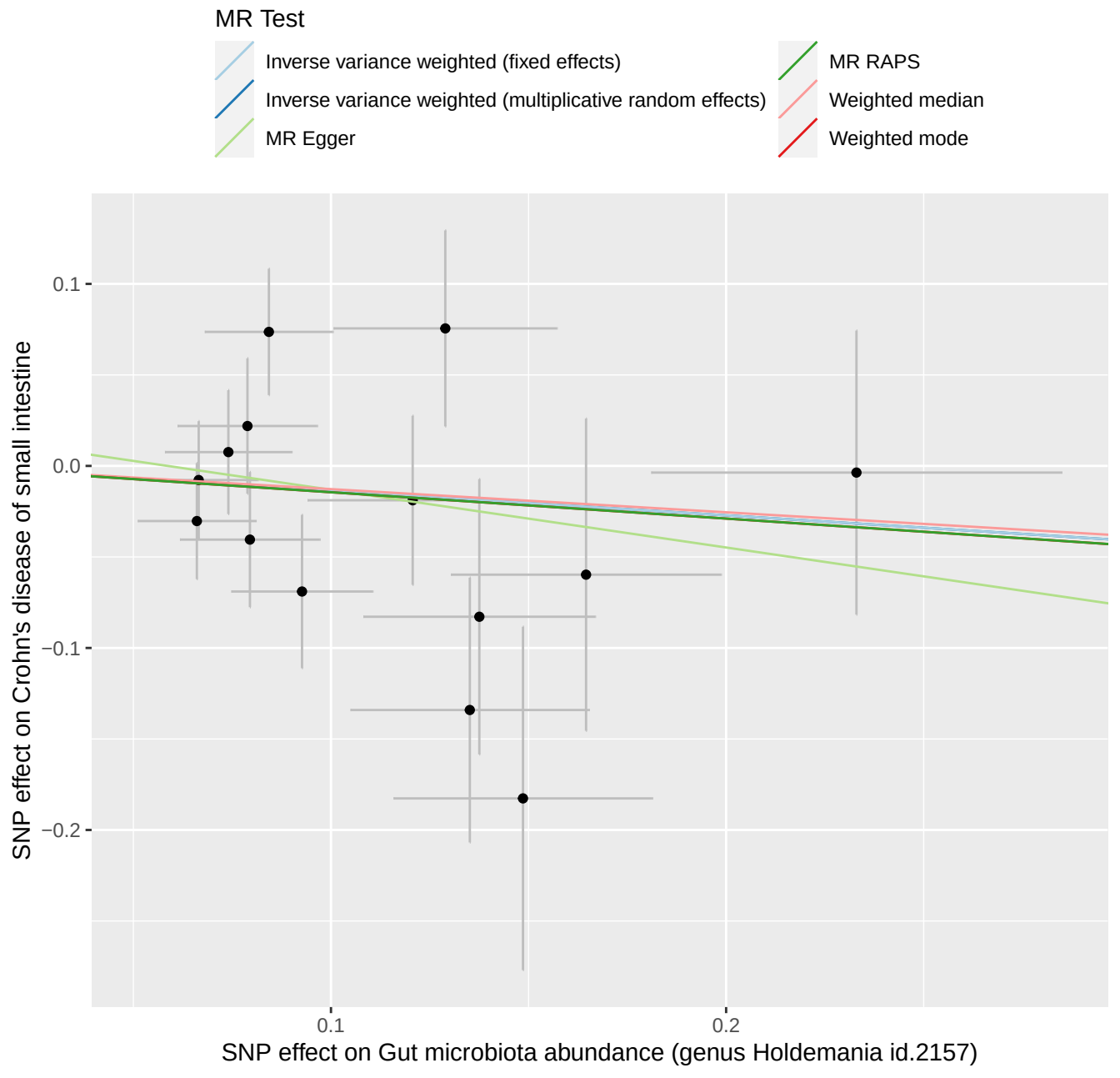
Batch 387 : Gut microbiota abundance (genus Haemophilus id.3698) on Crohn's disease of small intestine



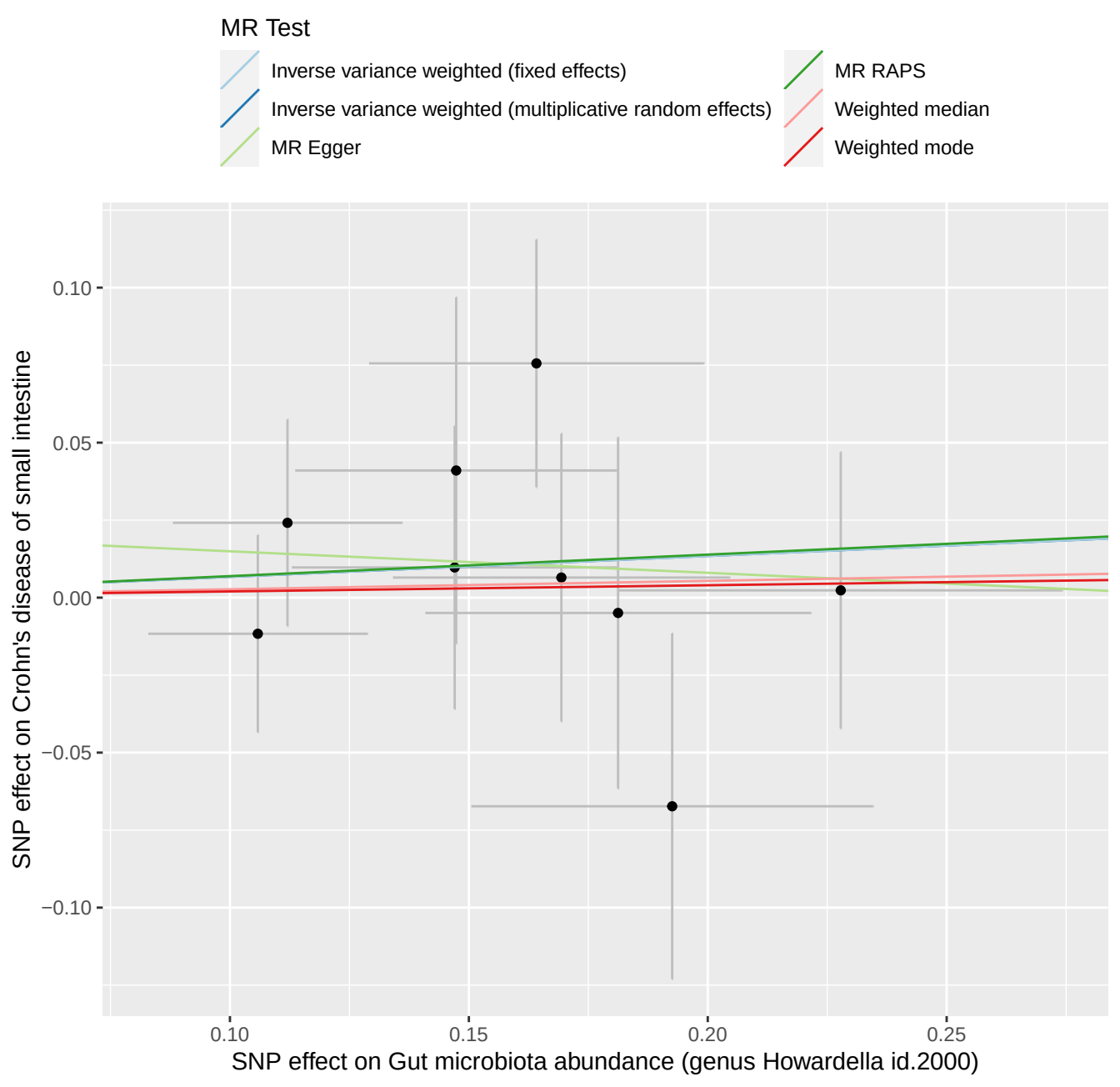
Batch 388 : Gut microbiota abundance (genus Holdemanella id.11393) on Crohn's disease of small intestine



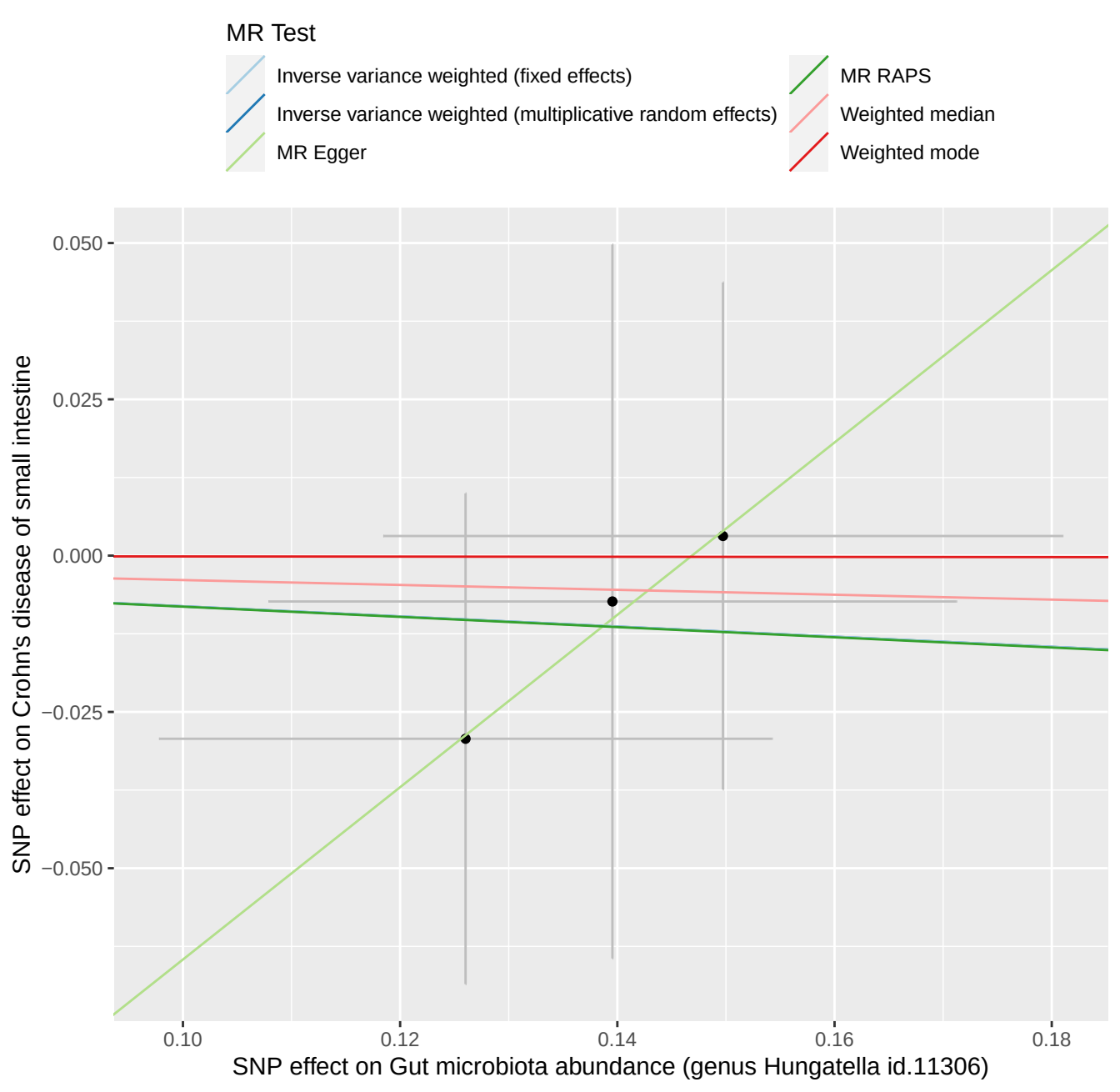
Batch 389 : Gut microbiota abundance (genus Holdemania id.2157) on Crohn's disease of small intestine

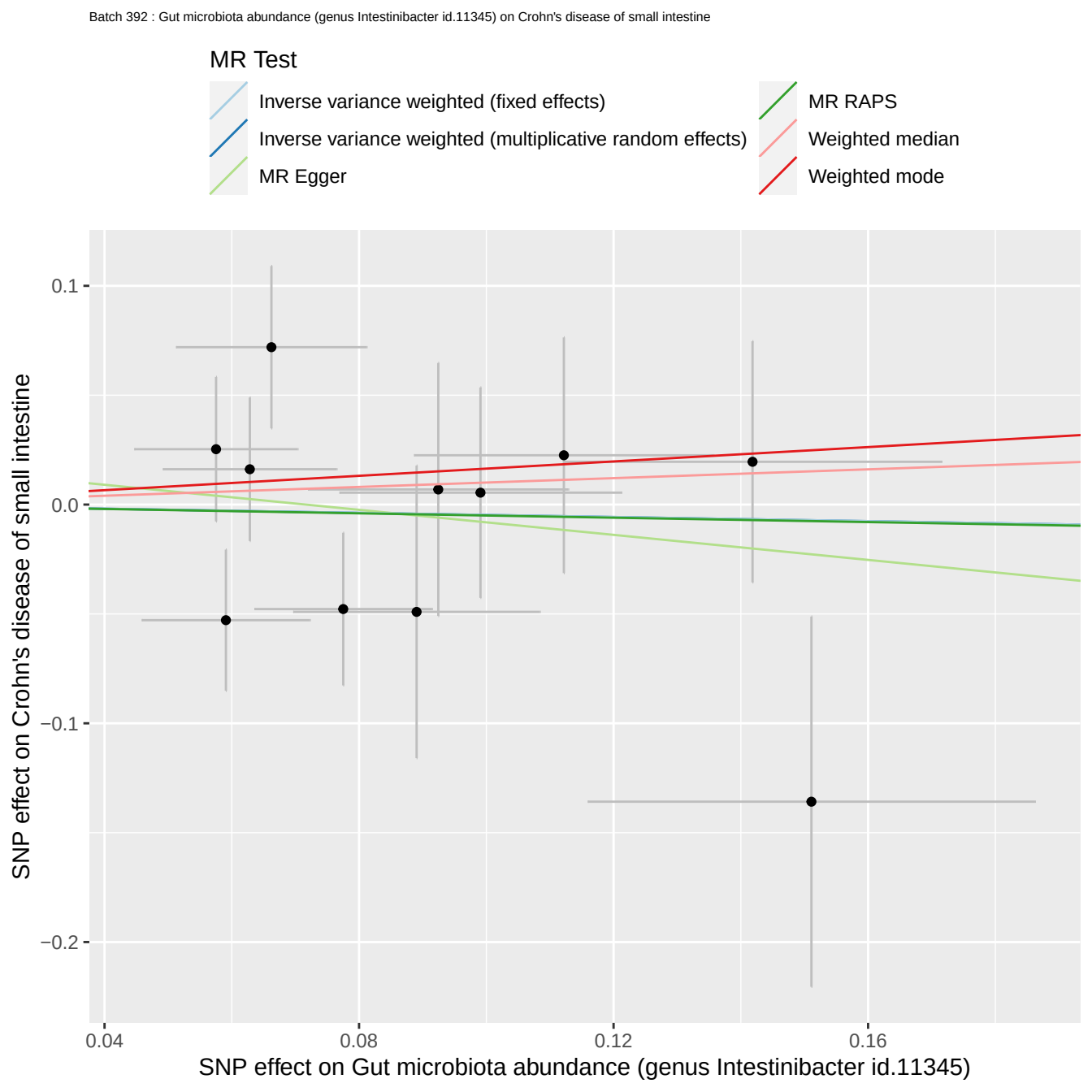


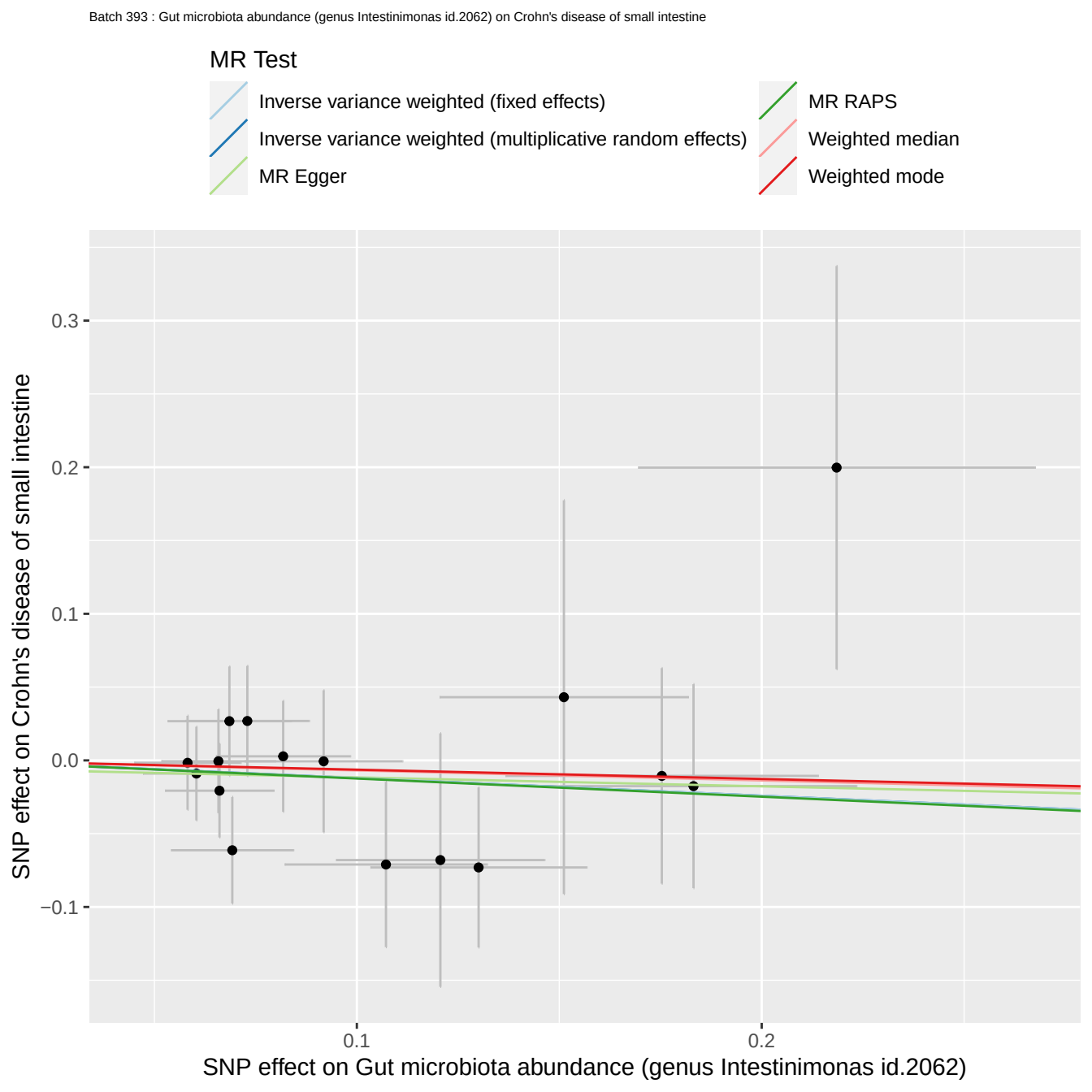
Batch 390 : Gut microbiota abundance (genus Howardella id.2000) on Crohn's disease of small intestine



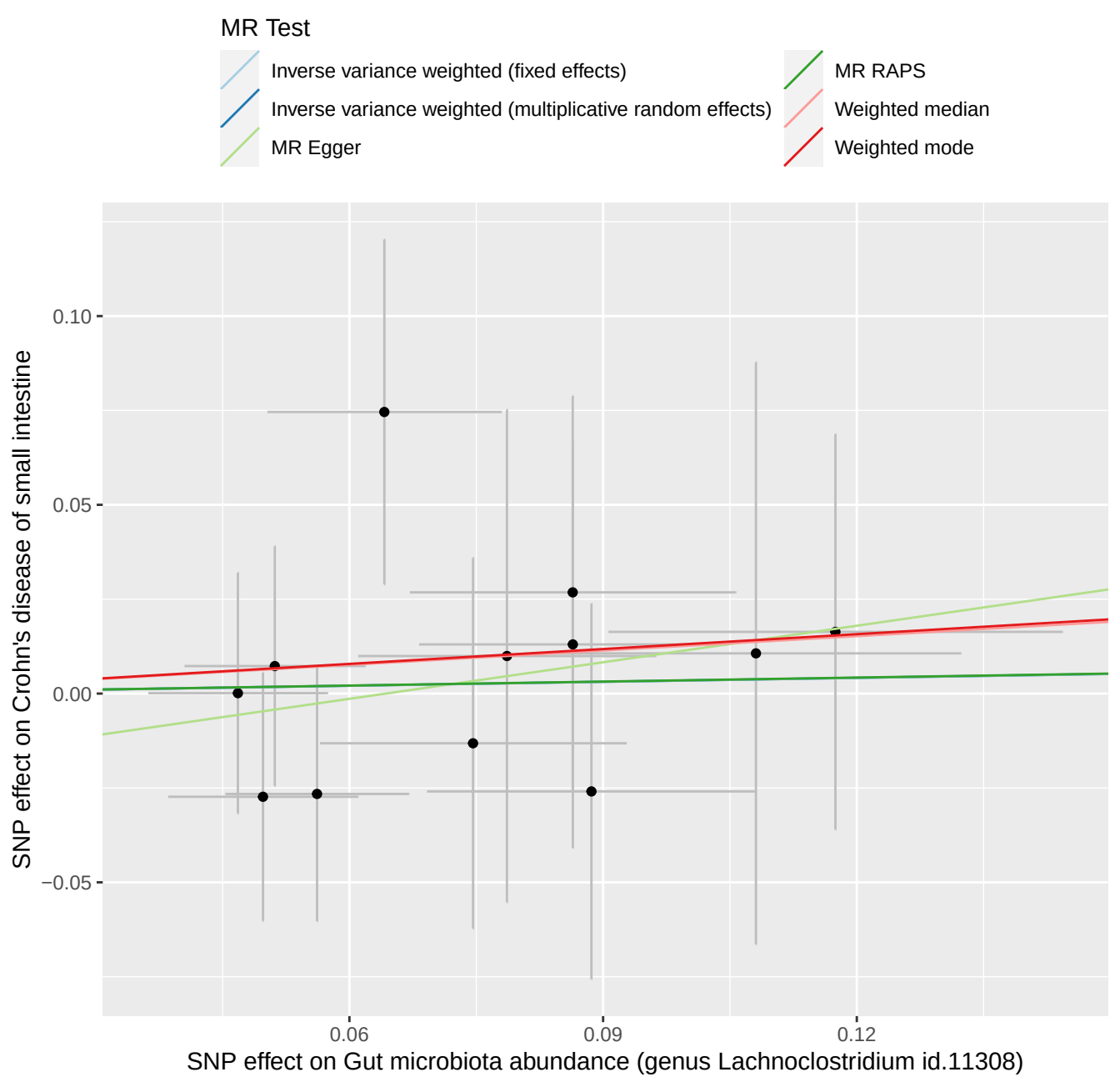
Batch 391 : Gut microbiota abundance (genus Hungatella id.11306) on Crohn's disease of small intestine



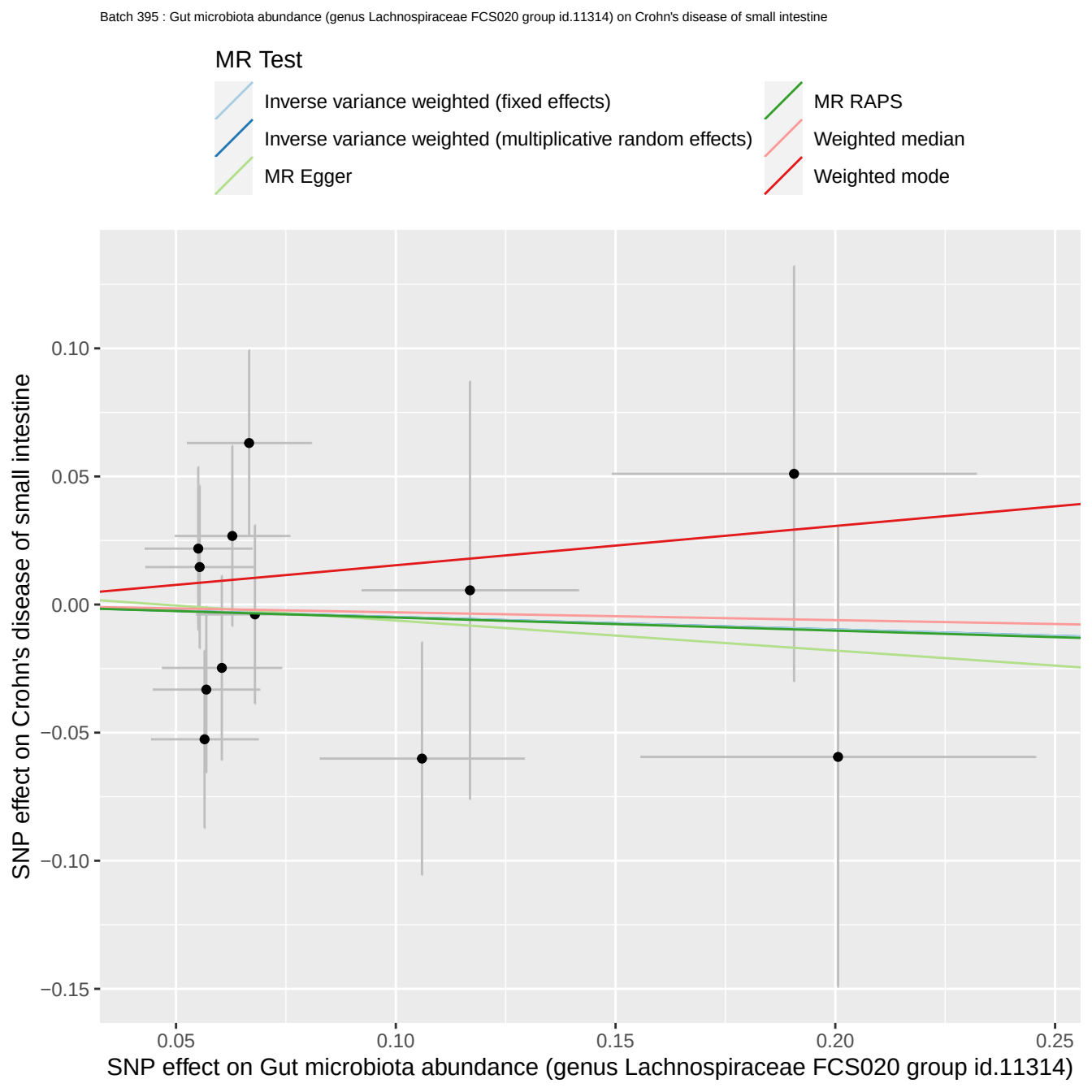

Batch 392 : Gut microbiota abundance (genus Intestinibacter id.11345) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)


Batch 393 : Gut microbiota abundance (genus Intestinimonas id.2062) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

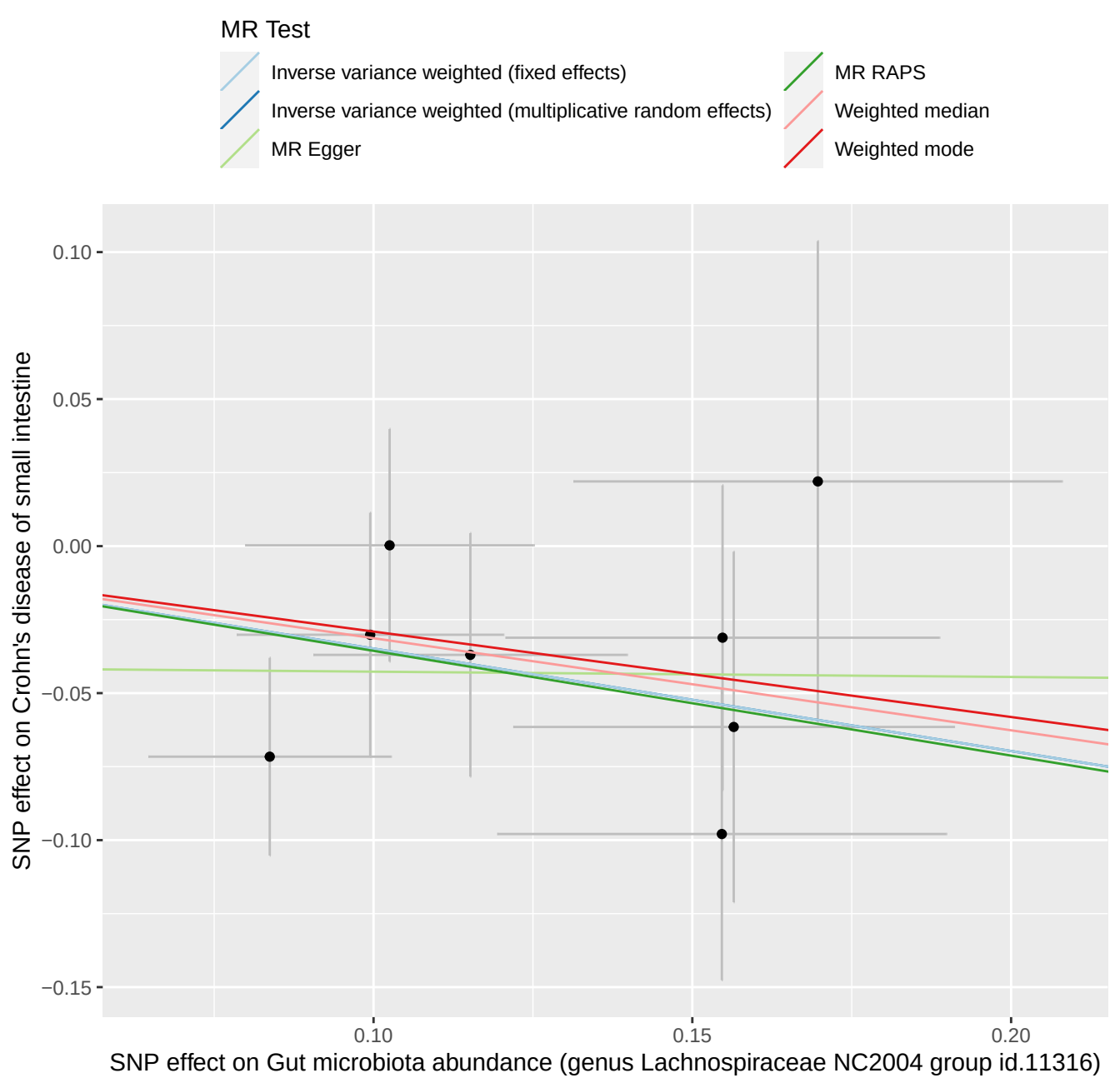
Batch 394 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Crohn's disease of small intestine



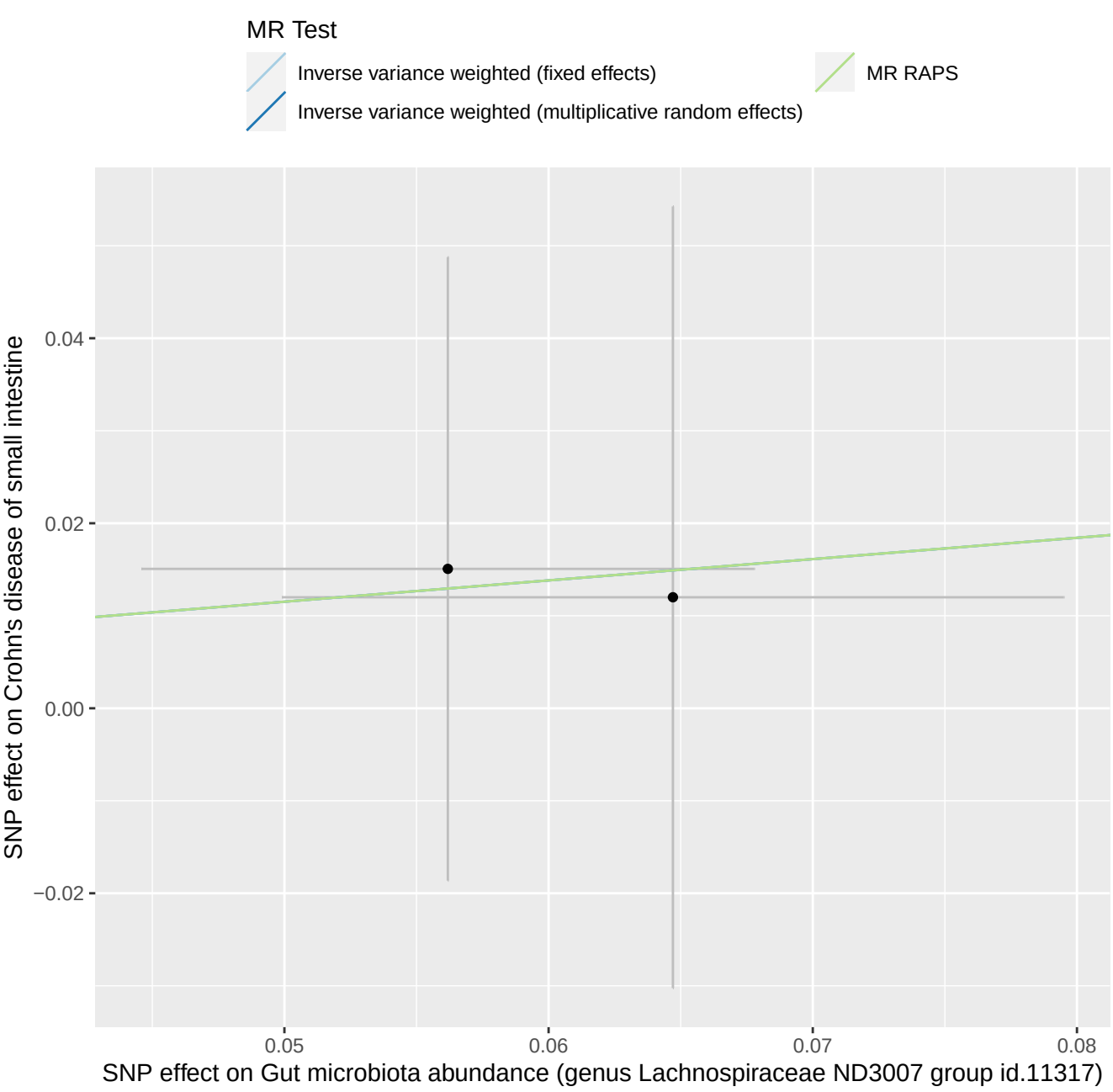
Batch 395 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Crohn's disease of small intestine

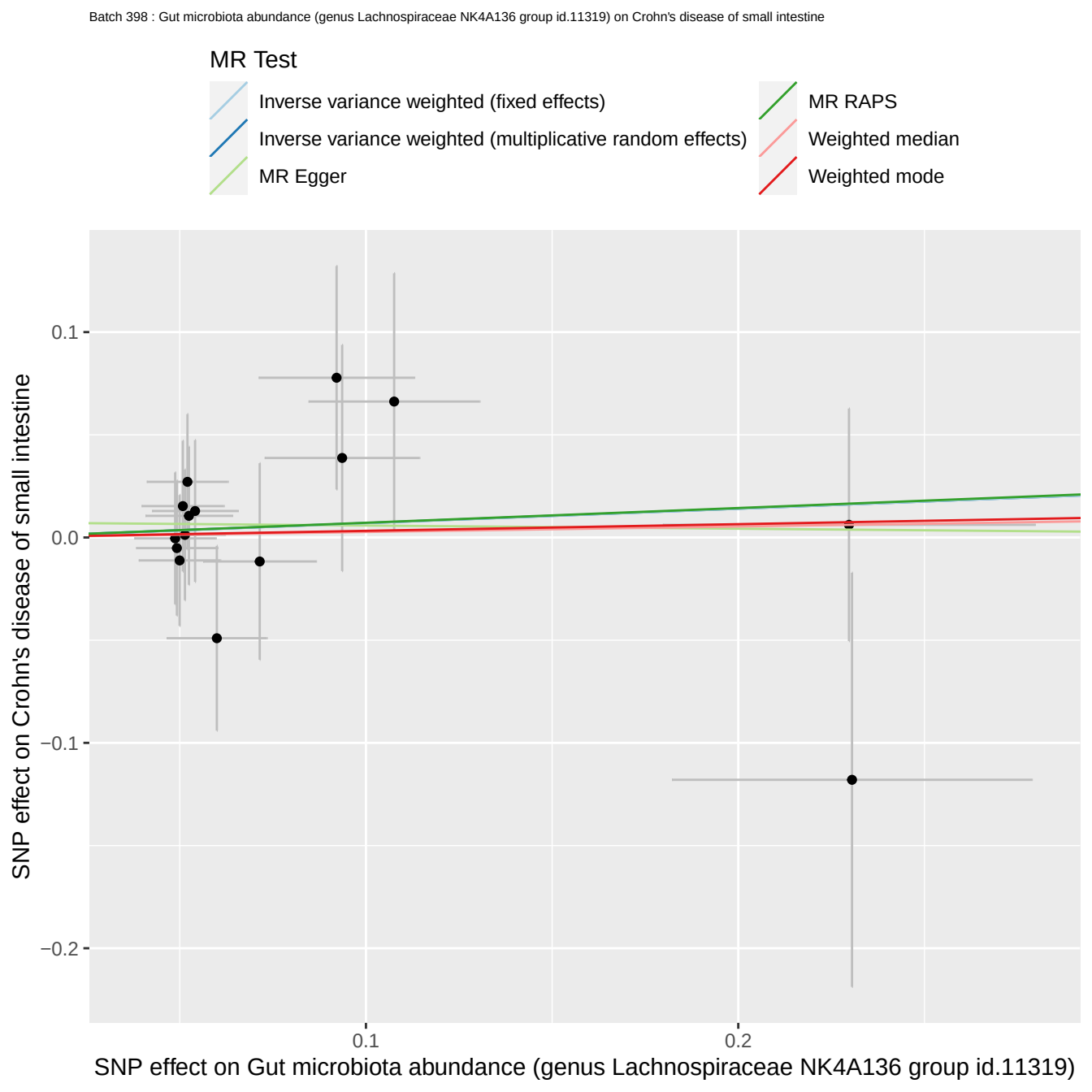


Batch 396 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Crohn's disease of small intestine

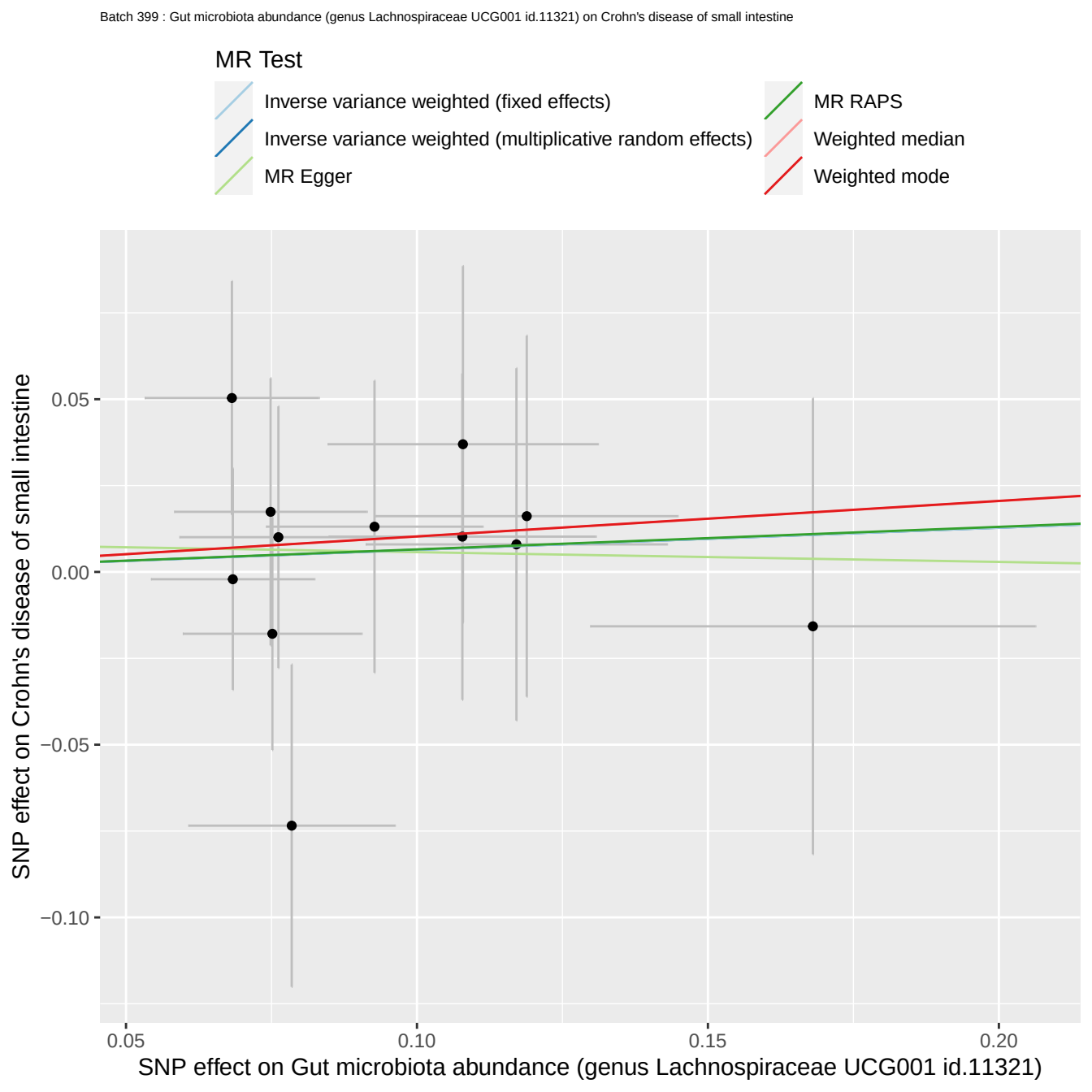


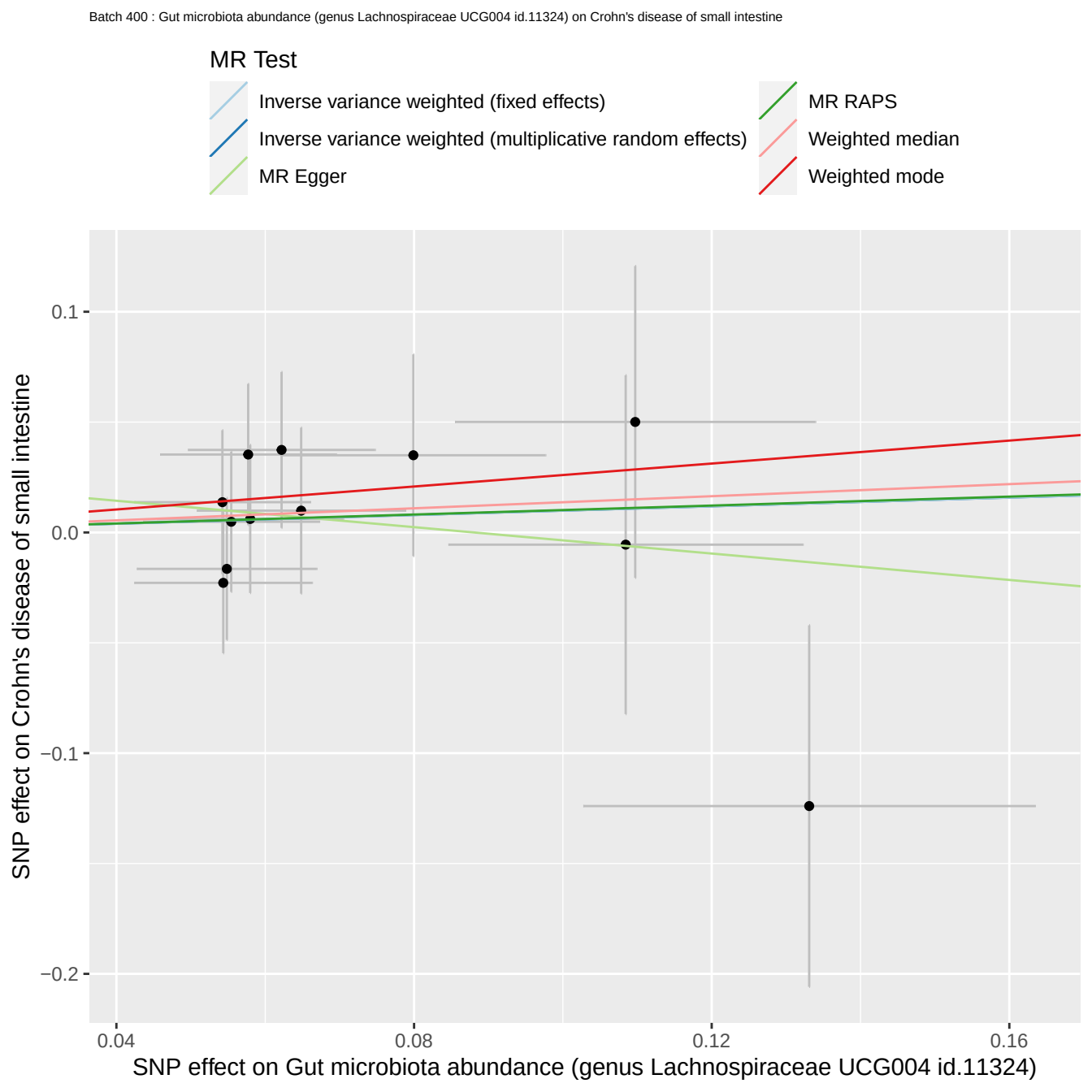
Batch 397 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Crohn's disease of small intestine

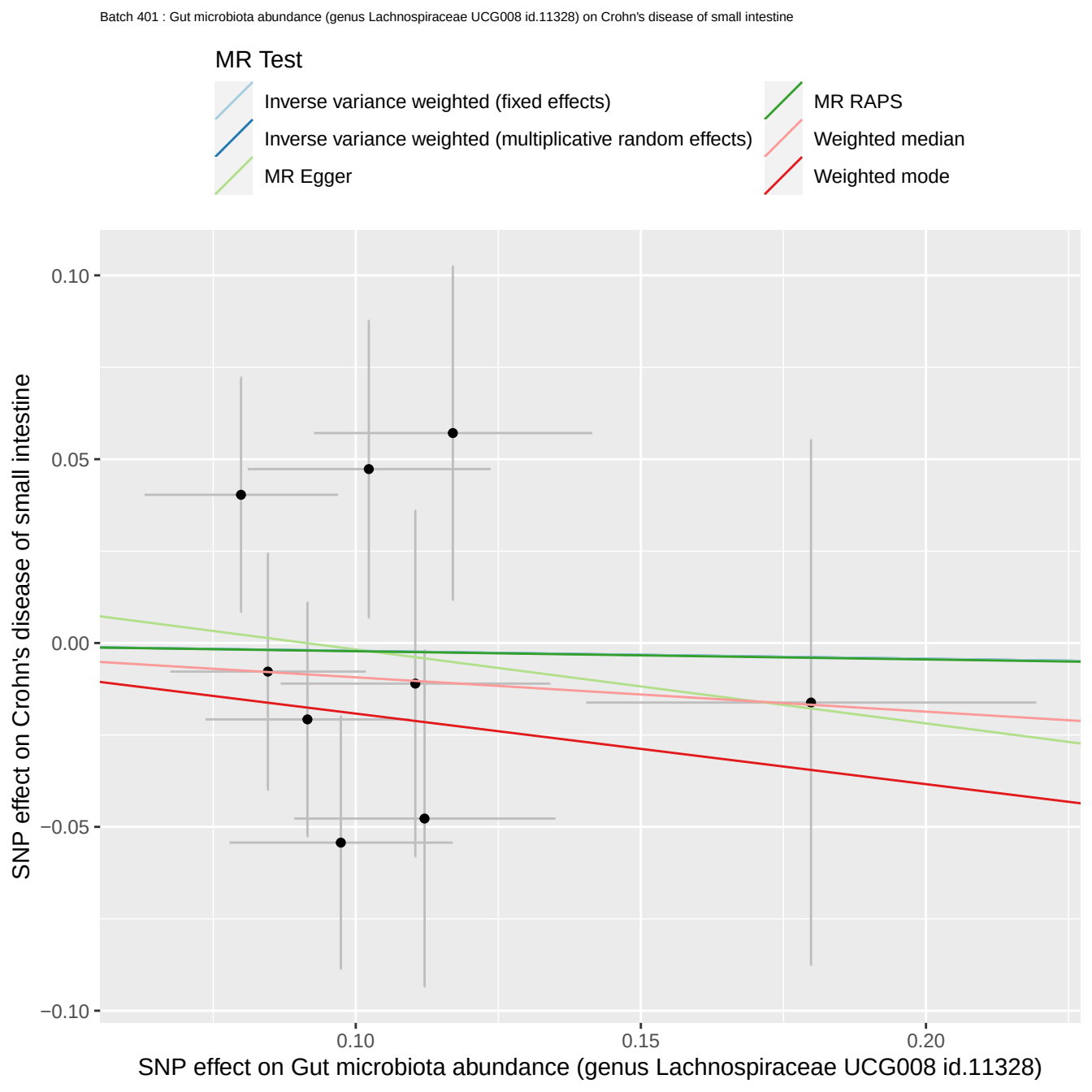



Batch 398 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319)

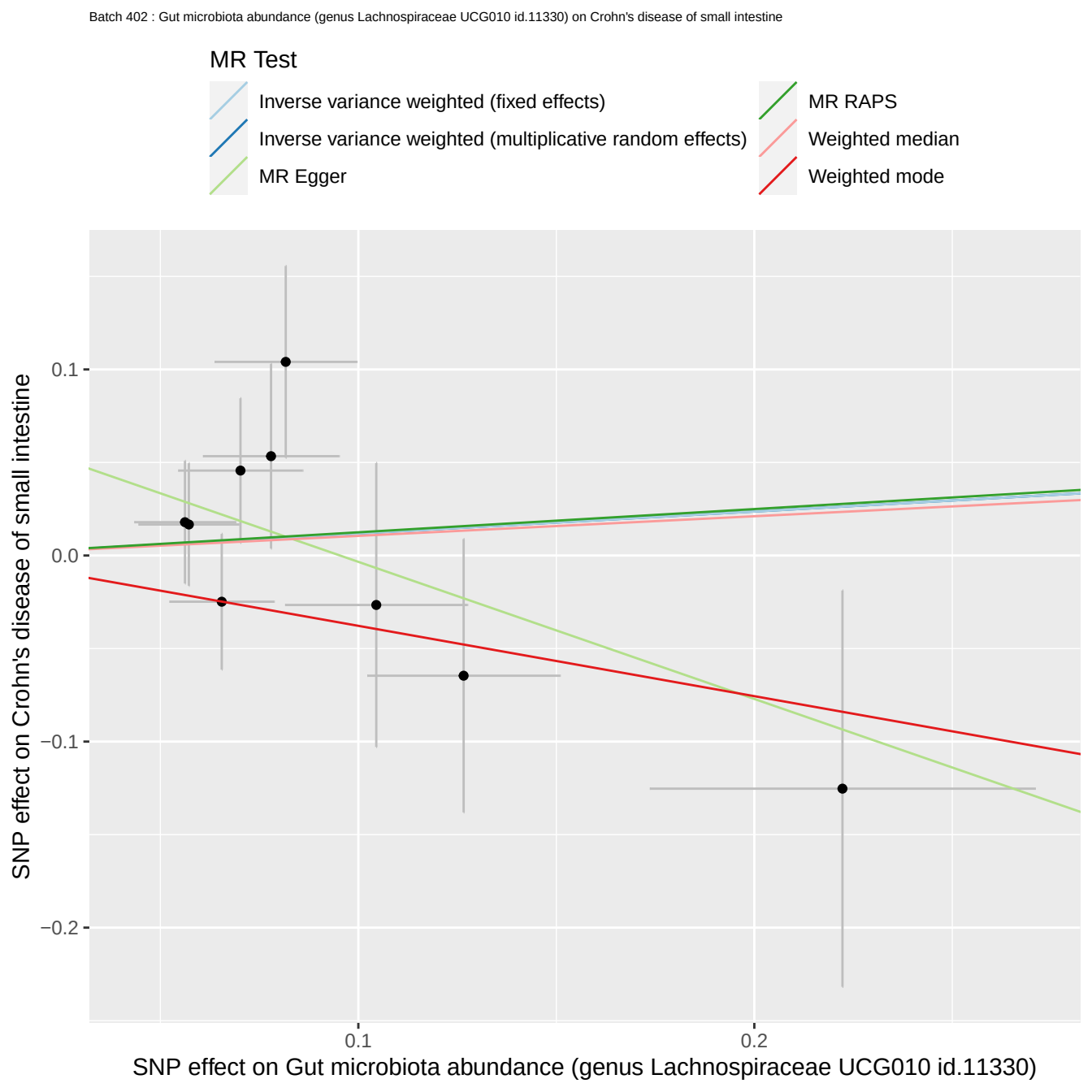
Batch 399 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Crohn's disease of small intestine




Batch 400 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

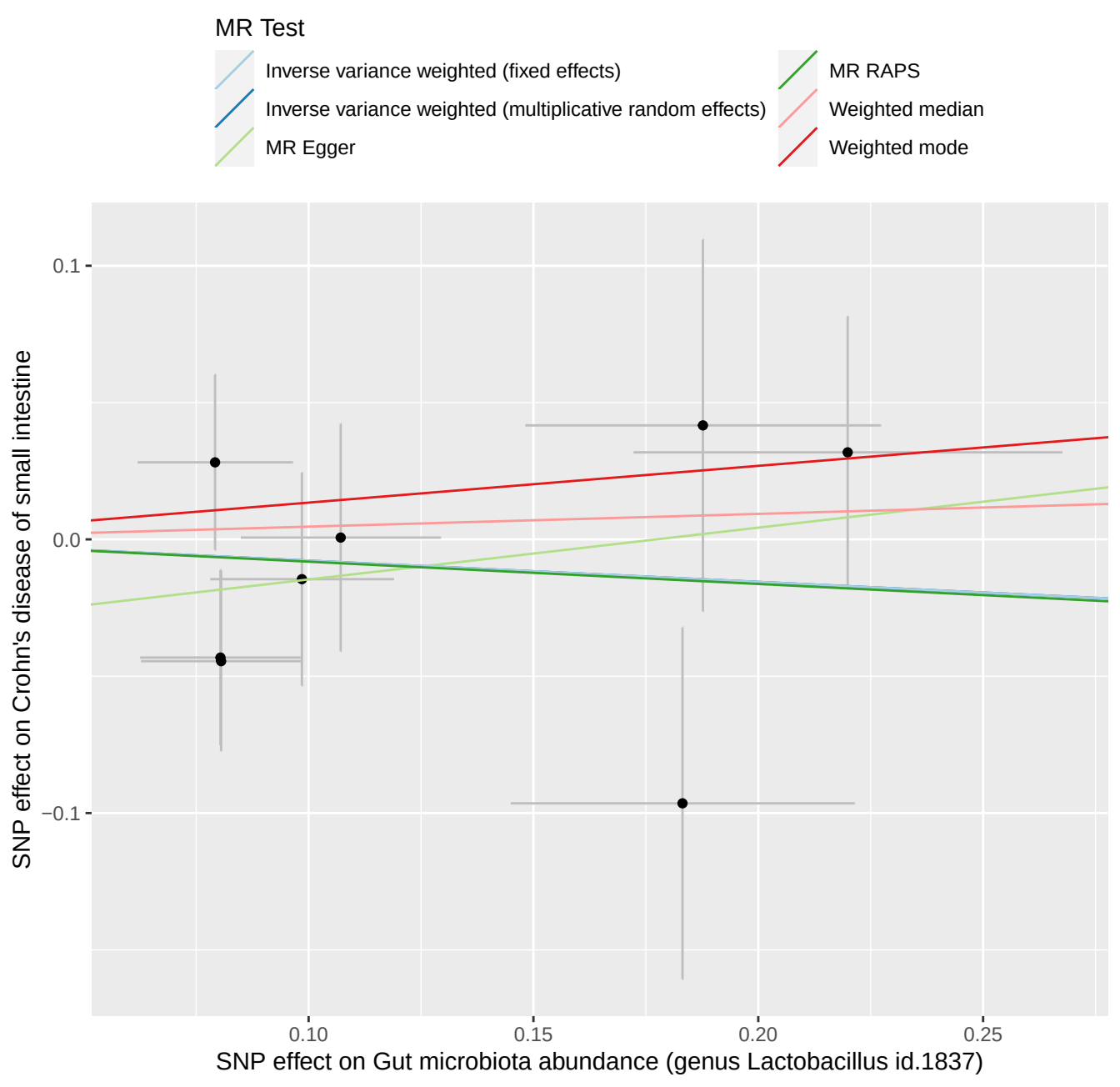

Batch 401 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

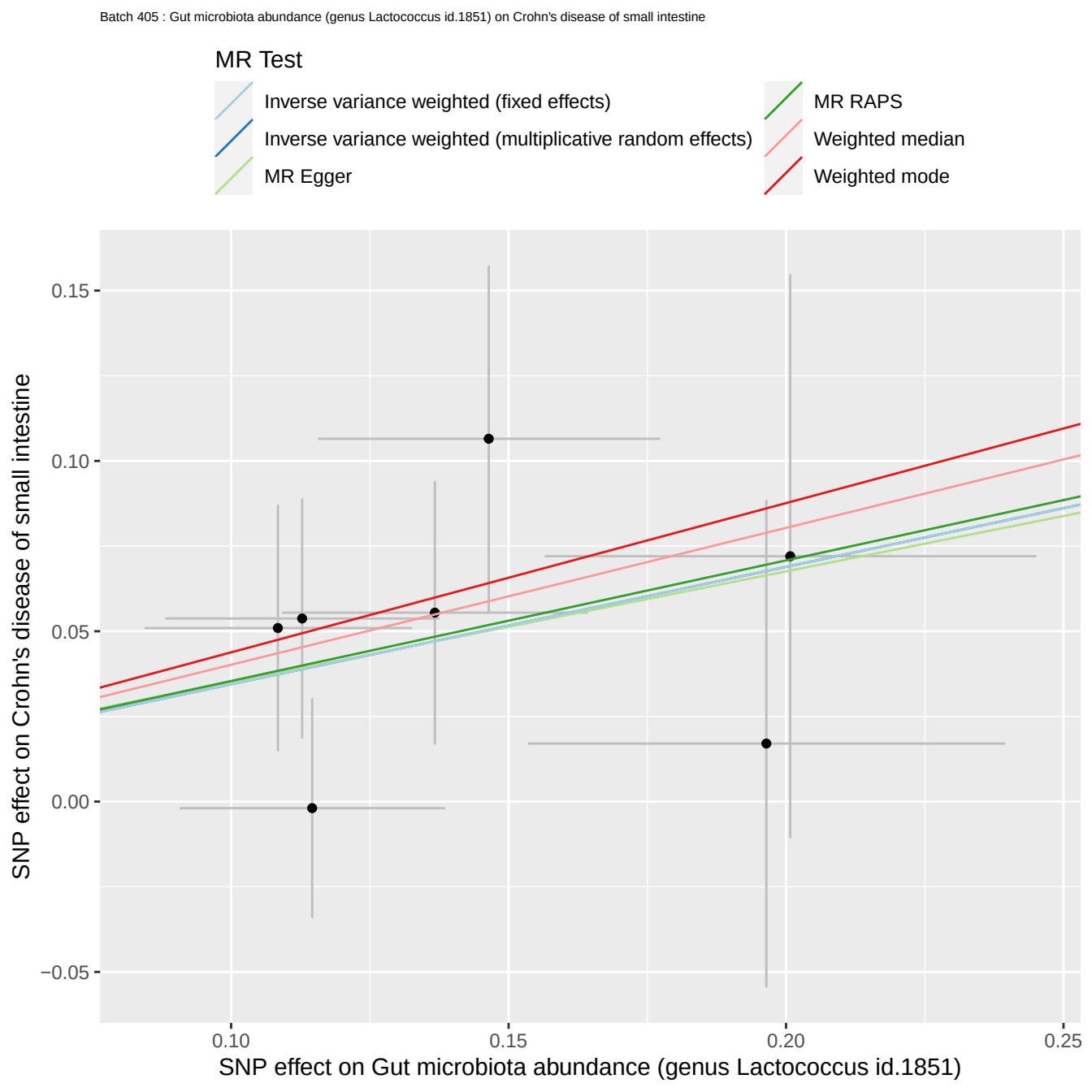
Batch 402 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Crohn's disease of small intestine

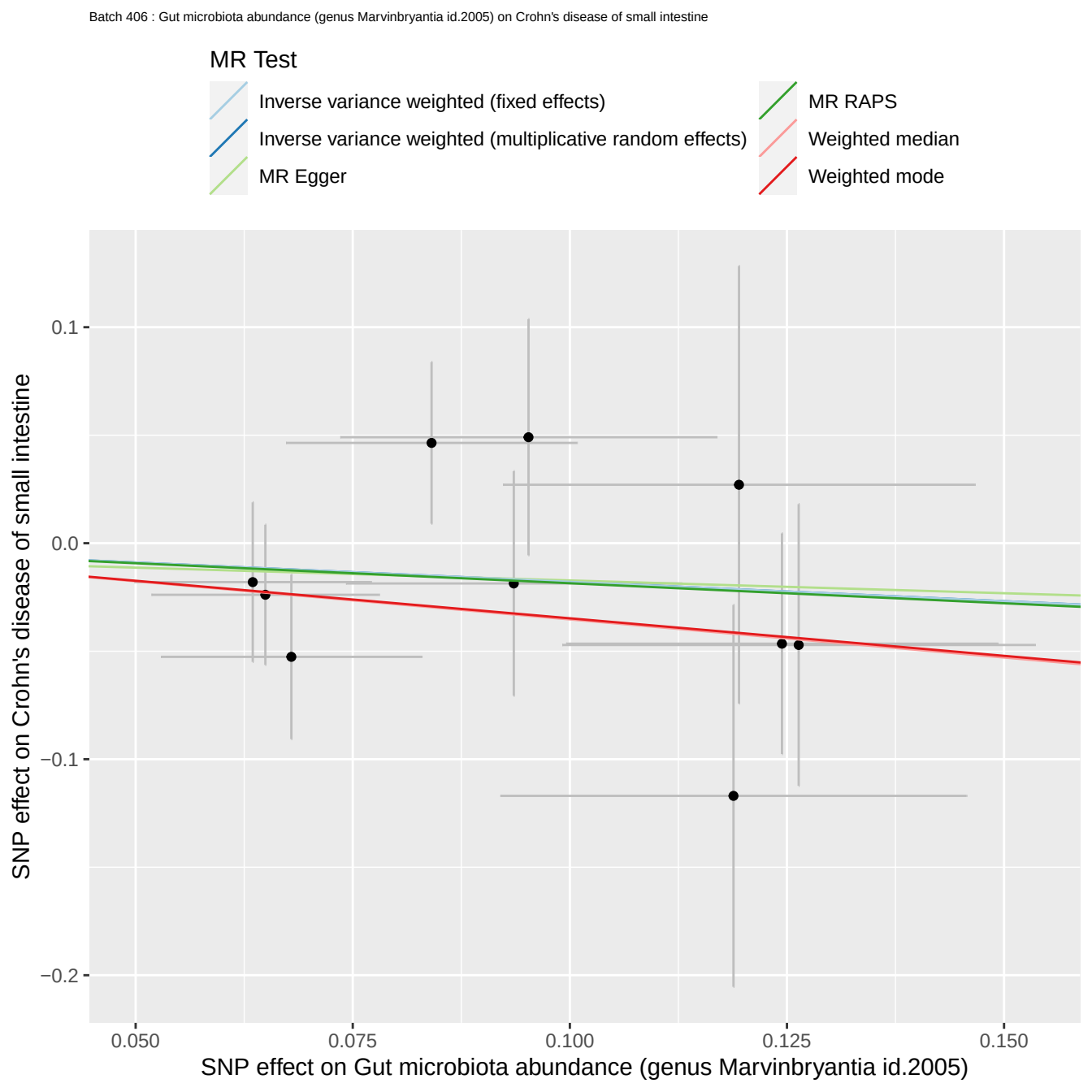


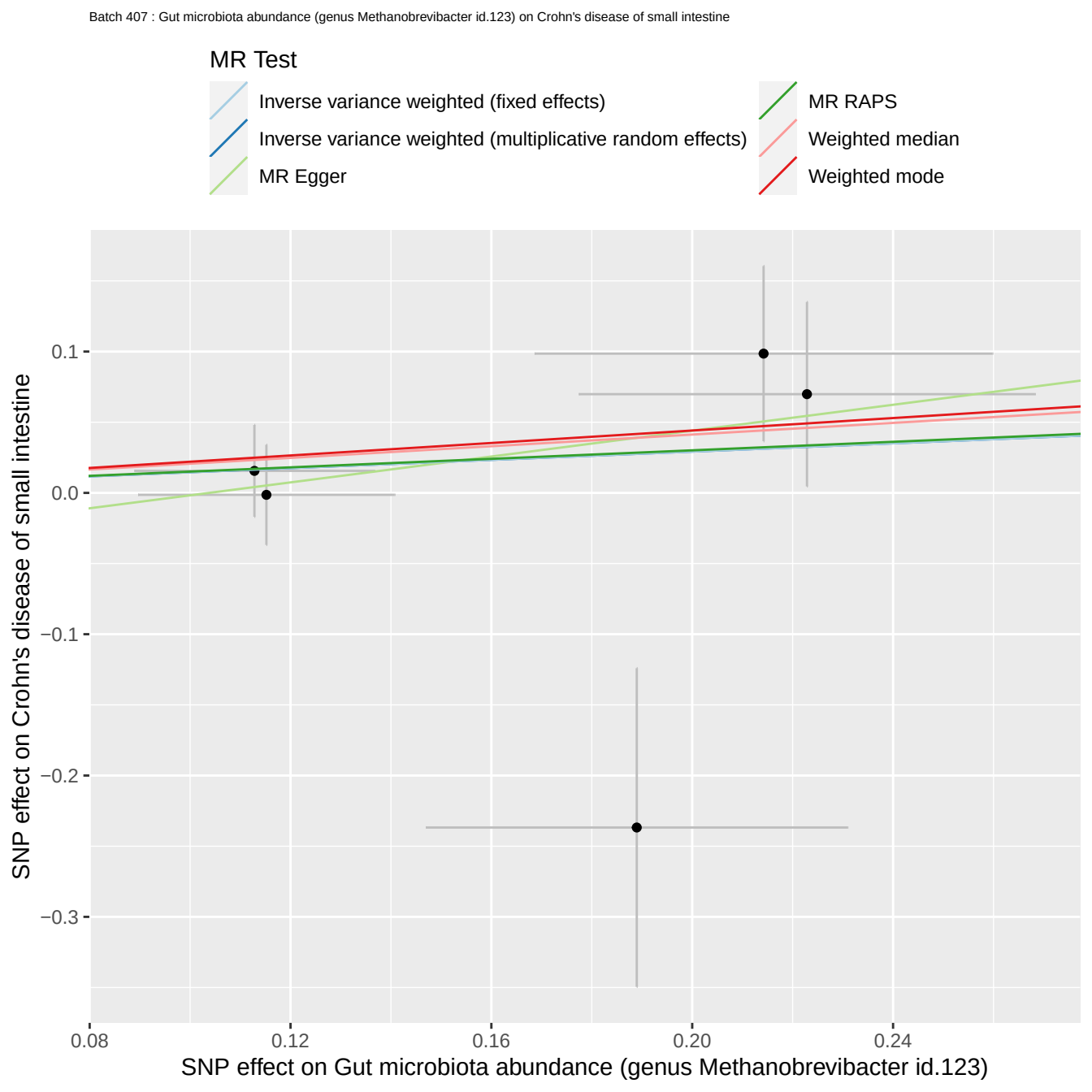
Insufficient number of SNPs

Batch 404 : Gut microbiota abundance (genus Lactobacillus id.1837) on Crohn's disease of small intestine

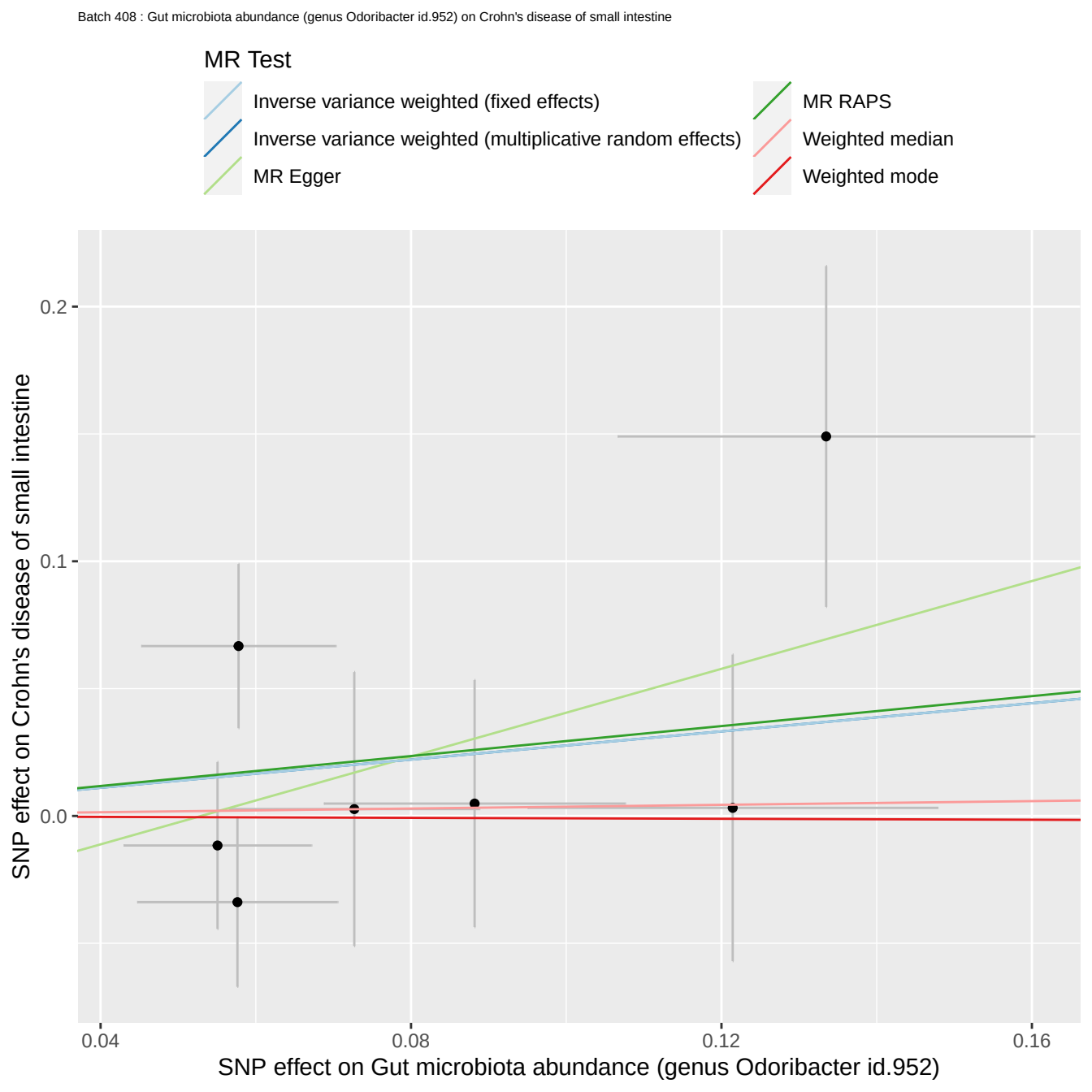



Batch 405 : Gut microbiota abundance (genus Lactococcus id.1851) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.15
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

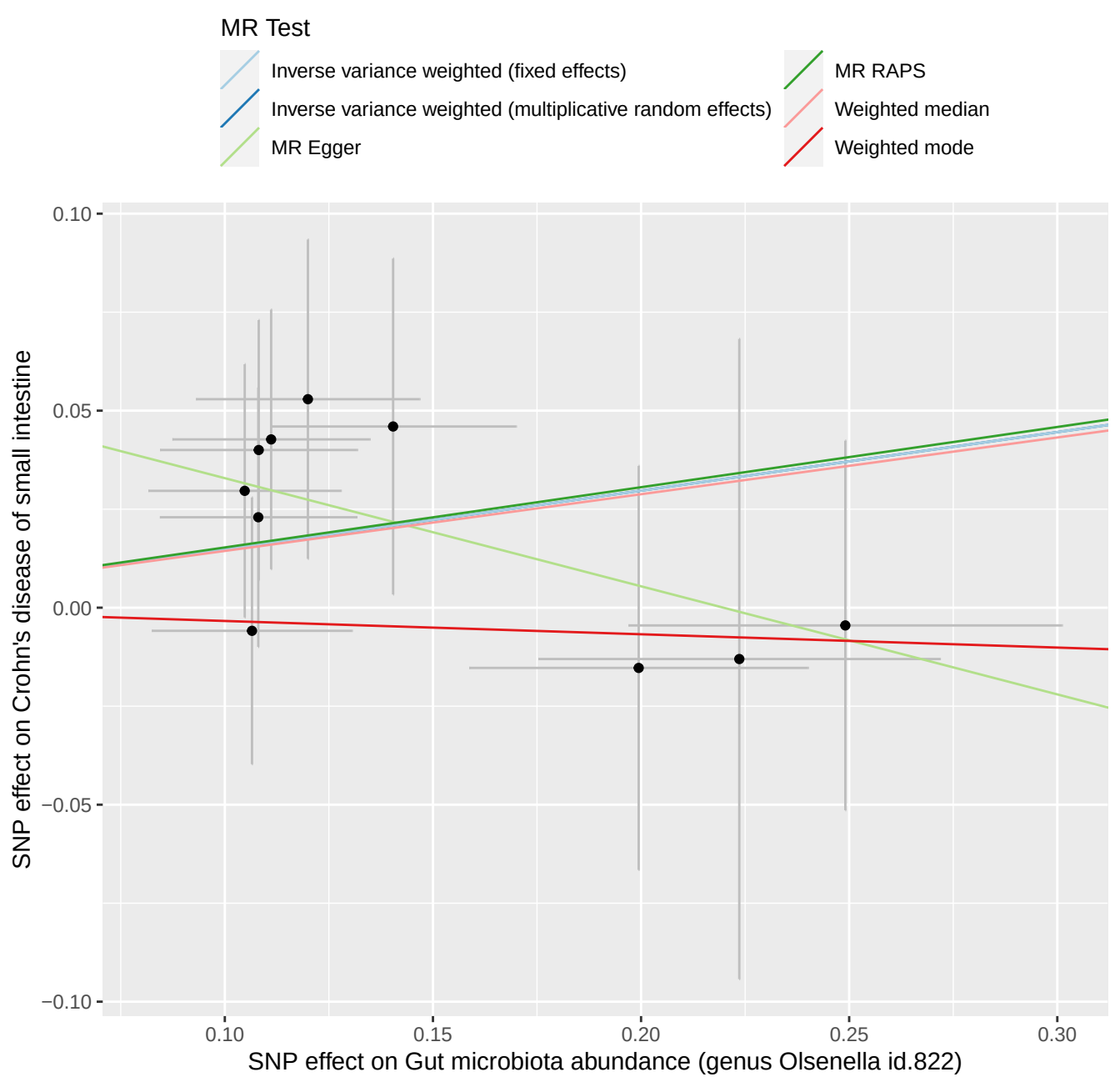

Batch 406 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

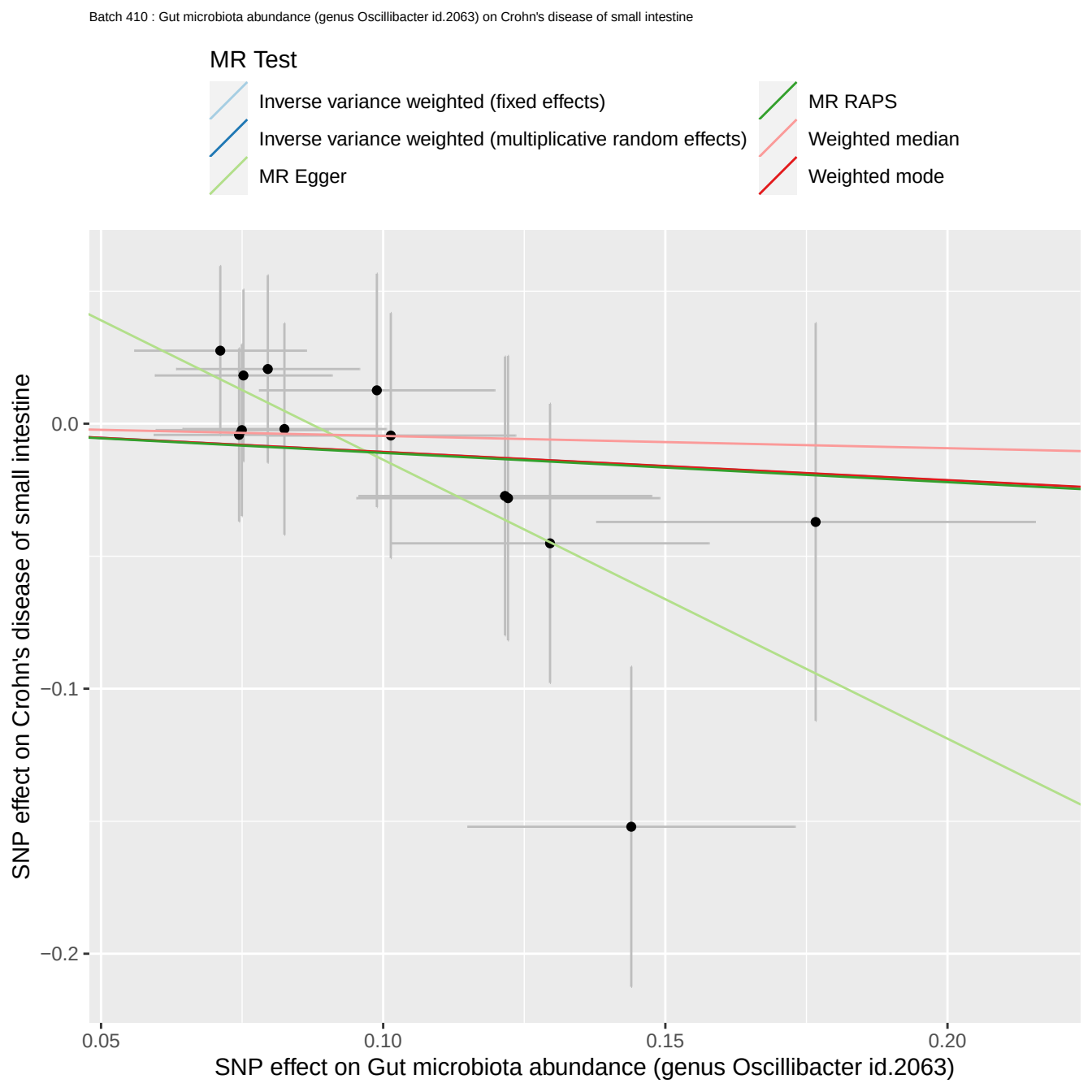

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
−0.3
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

Batch 408 : Gut microbiota abundance (genus Odoribacter id.952) on Crohn's disease of small intestine

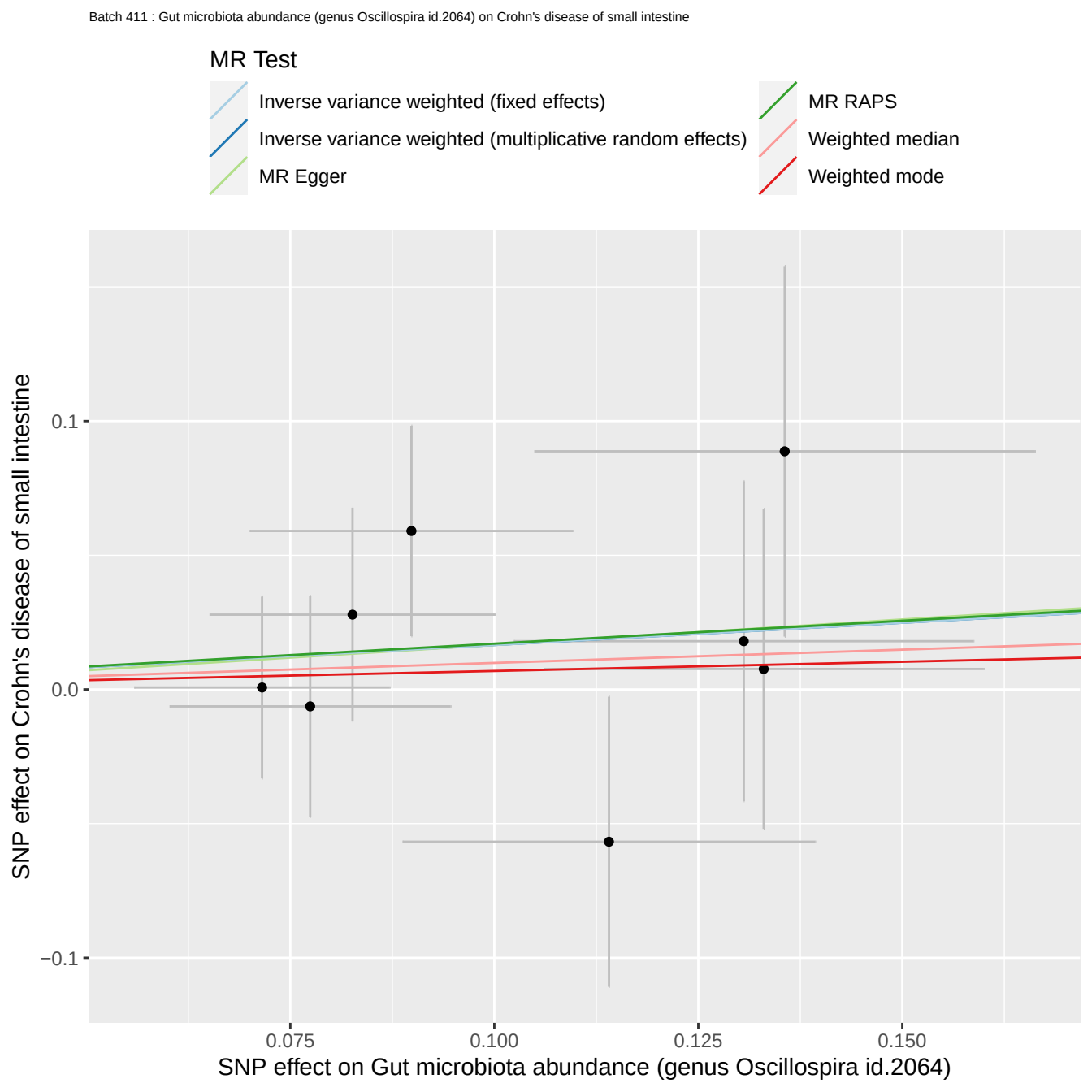


Batch 409 : Gut microbiota abundance (genus Olsenella id.822) on Crohn's disease of small intestine

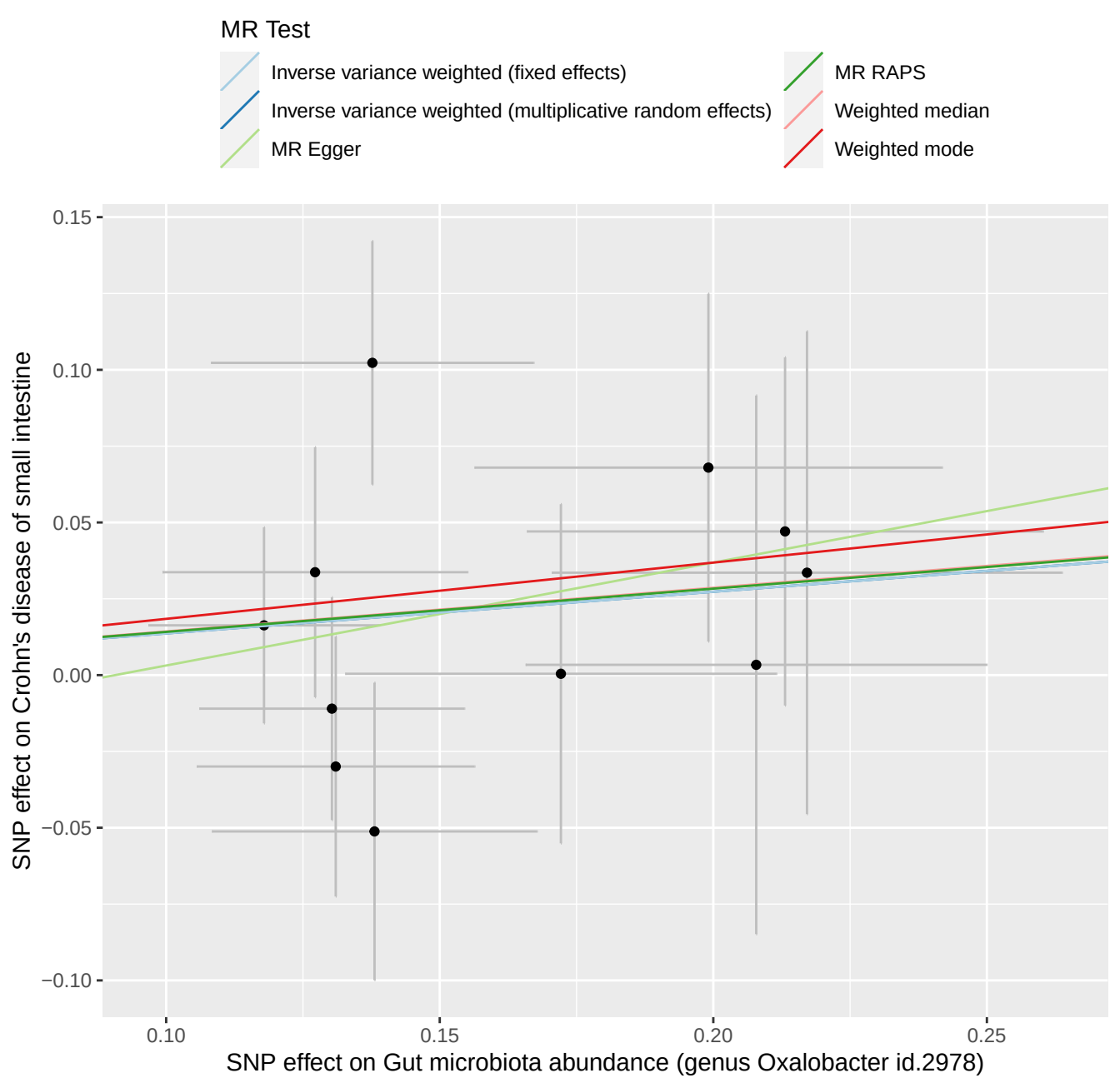



Batch 410 : Gut microbiota abundance (genus Oscillibacter id.2063) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

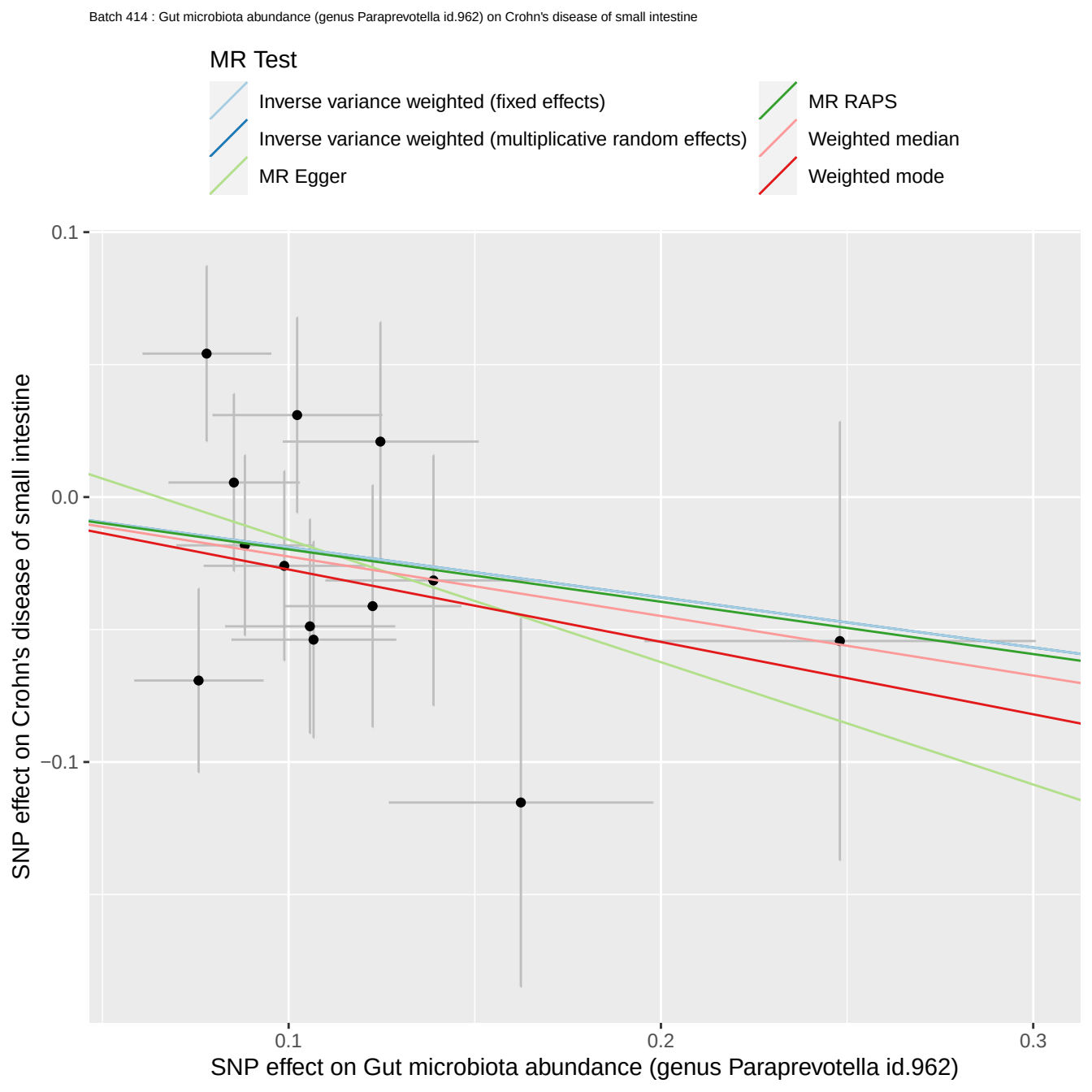
Batch 411 : Gut microbiota abundance (genus Oscillospira id.2064) on Crohn's disease of small intestine

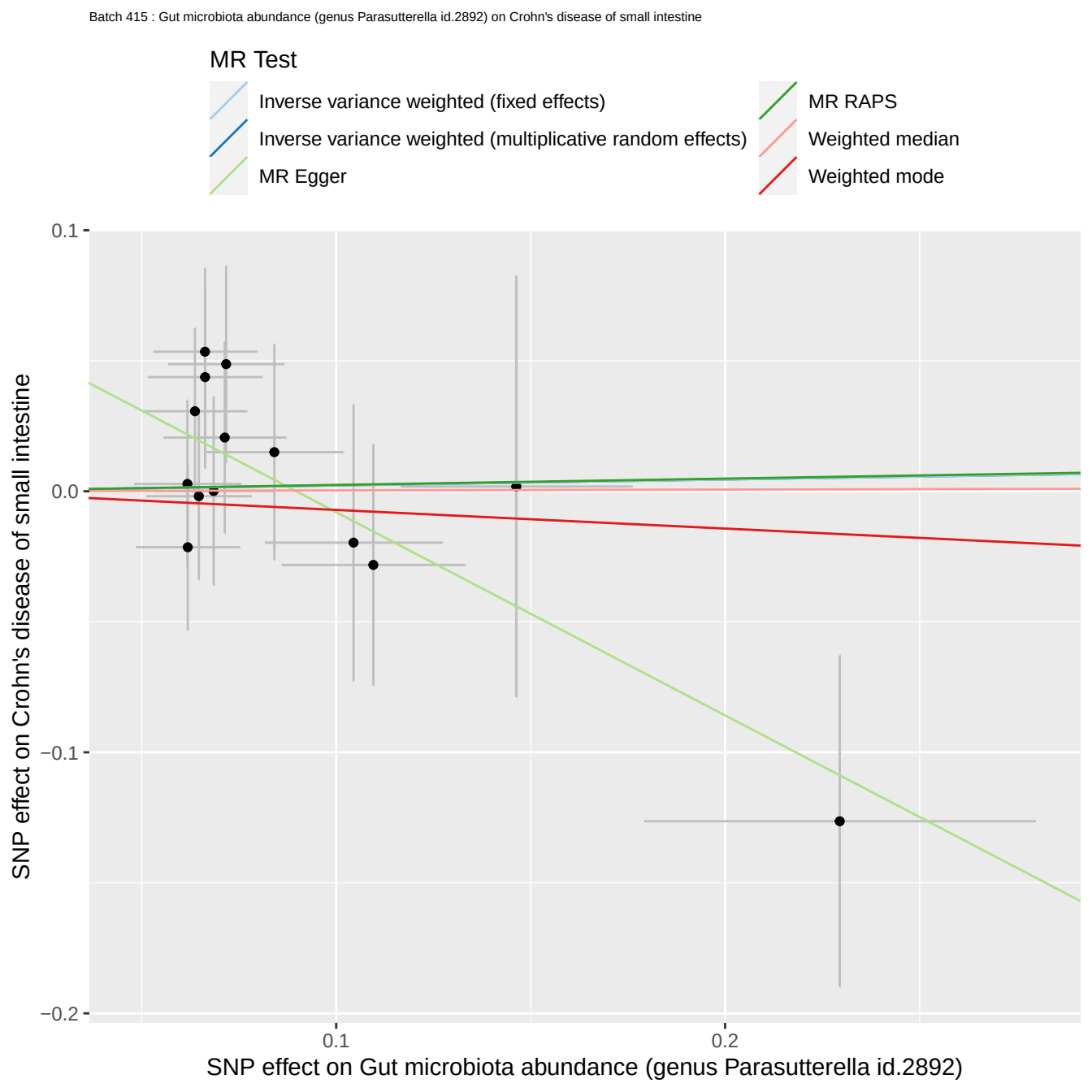


Batch 412 : Gut microbiota abundance (genus Oxalobacter id.2978) on Crohn's disease of small intestine

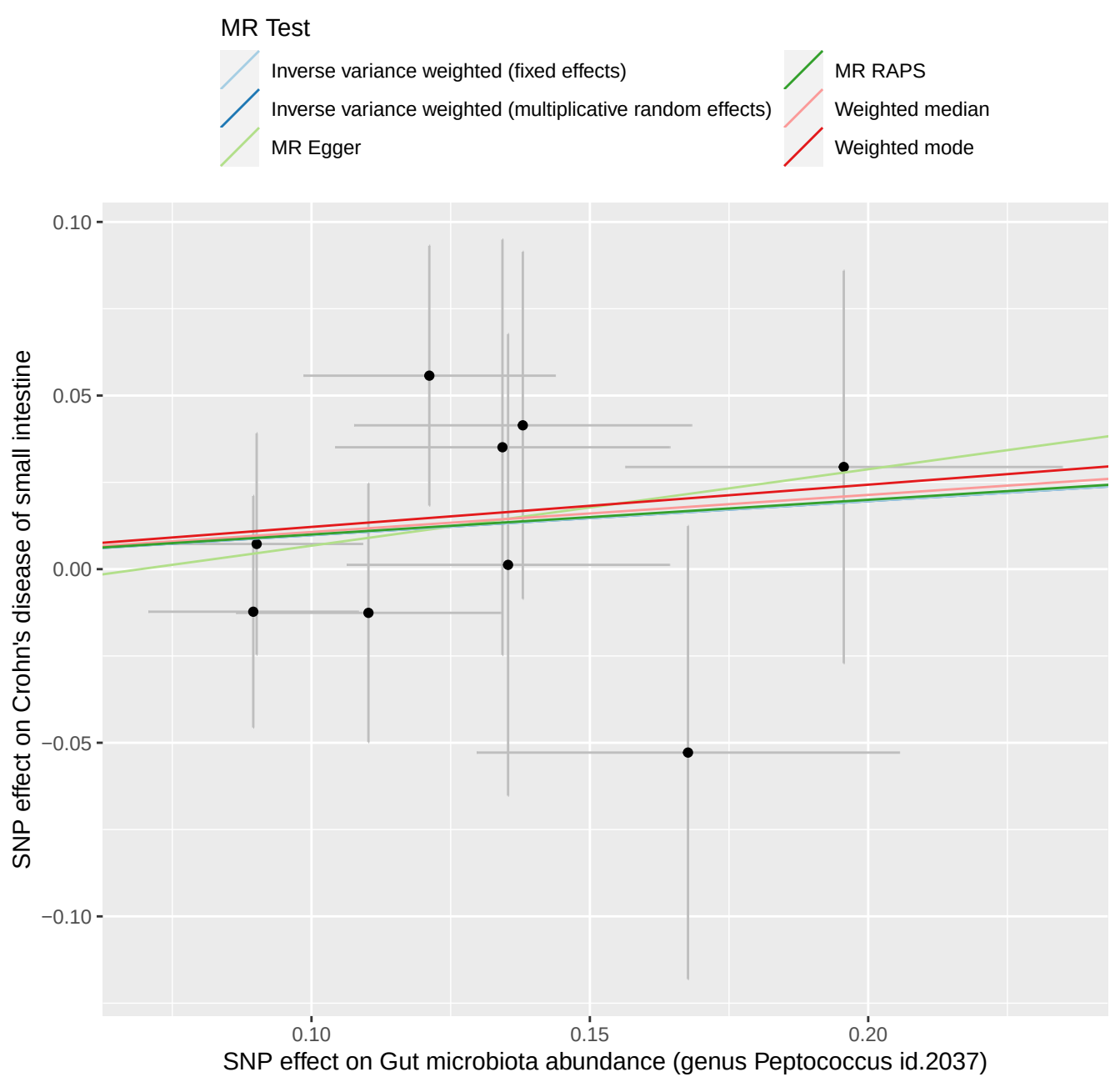


Batch 413 : Gut microbiota abundance (genus Parabacteroides id.954) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.15
0.10
0.05
0.00
−0.05
−0.10
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

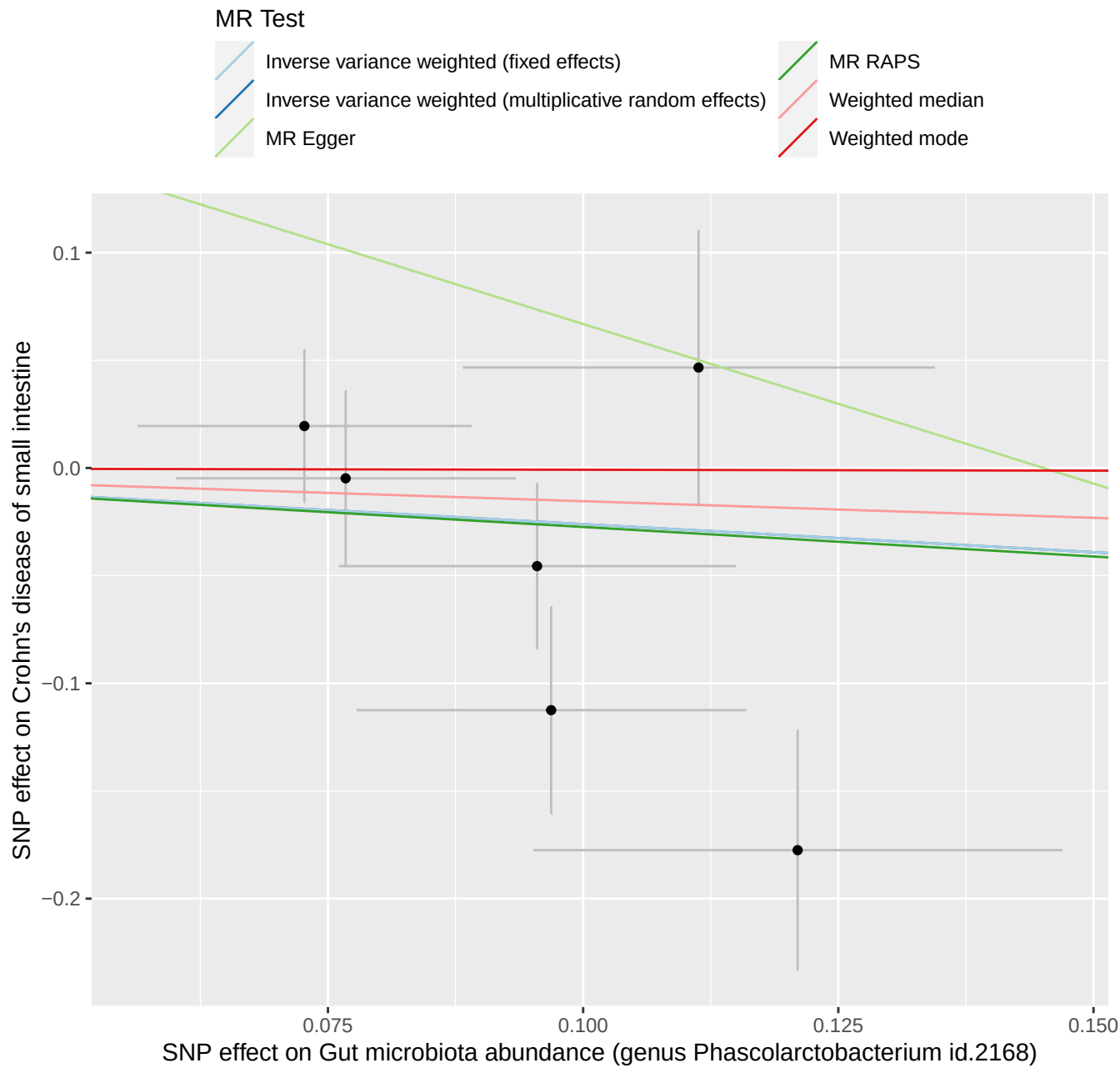

Batch 414 : Gut microbiota abundance (genus Paraprevotella id.962) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Crohn's disease of small intestine
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

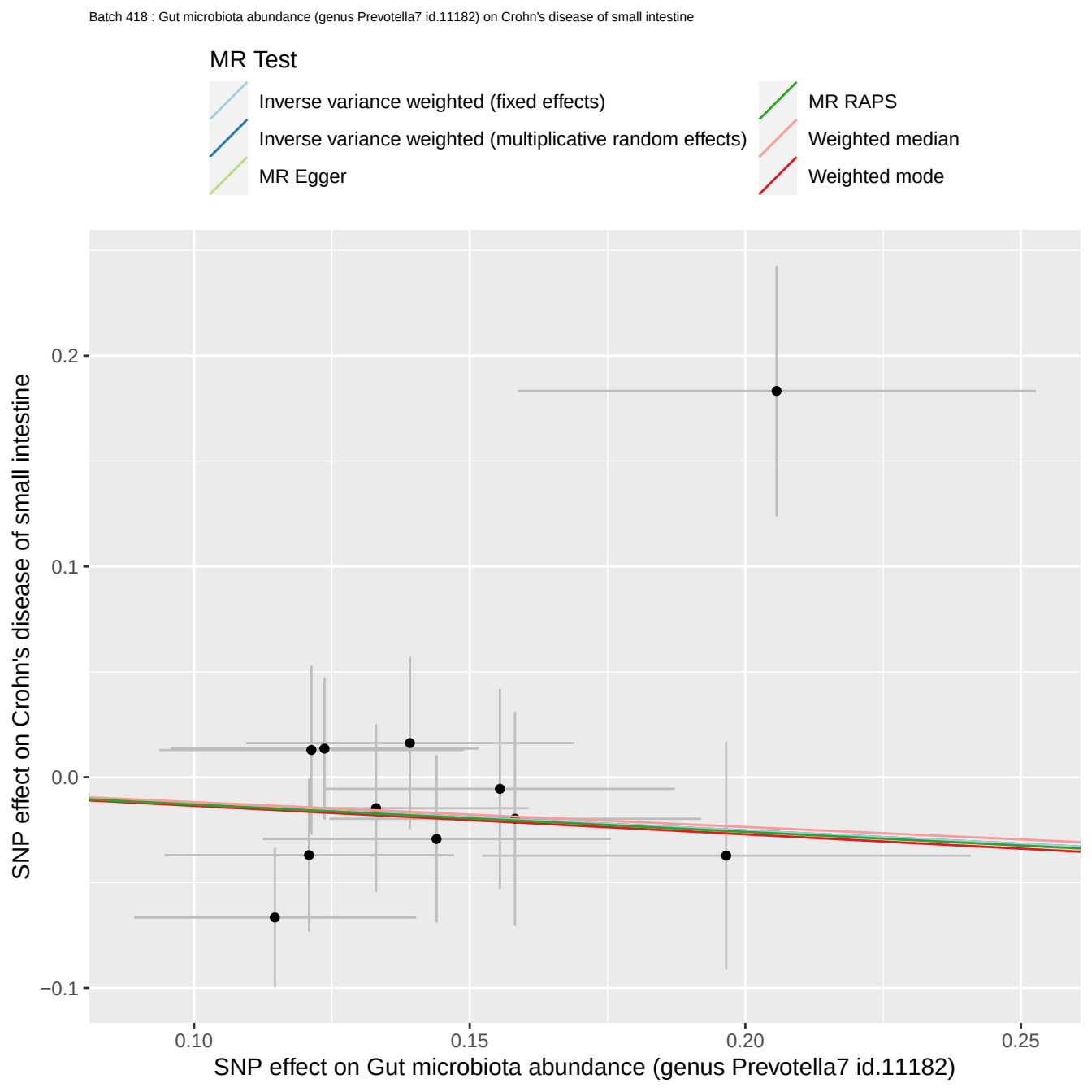

Batch 415 : Gut microbiota abundance (genus Parasutterella id.2892) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Crohn's disease of small intestine
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

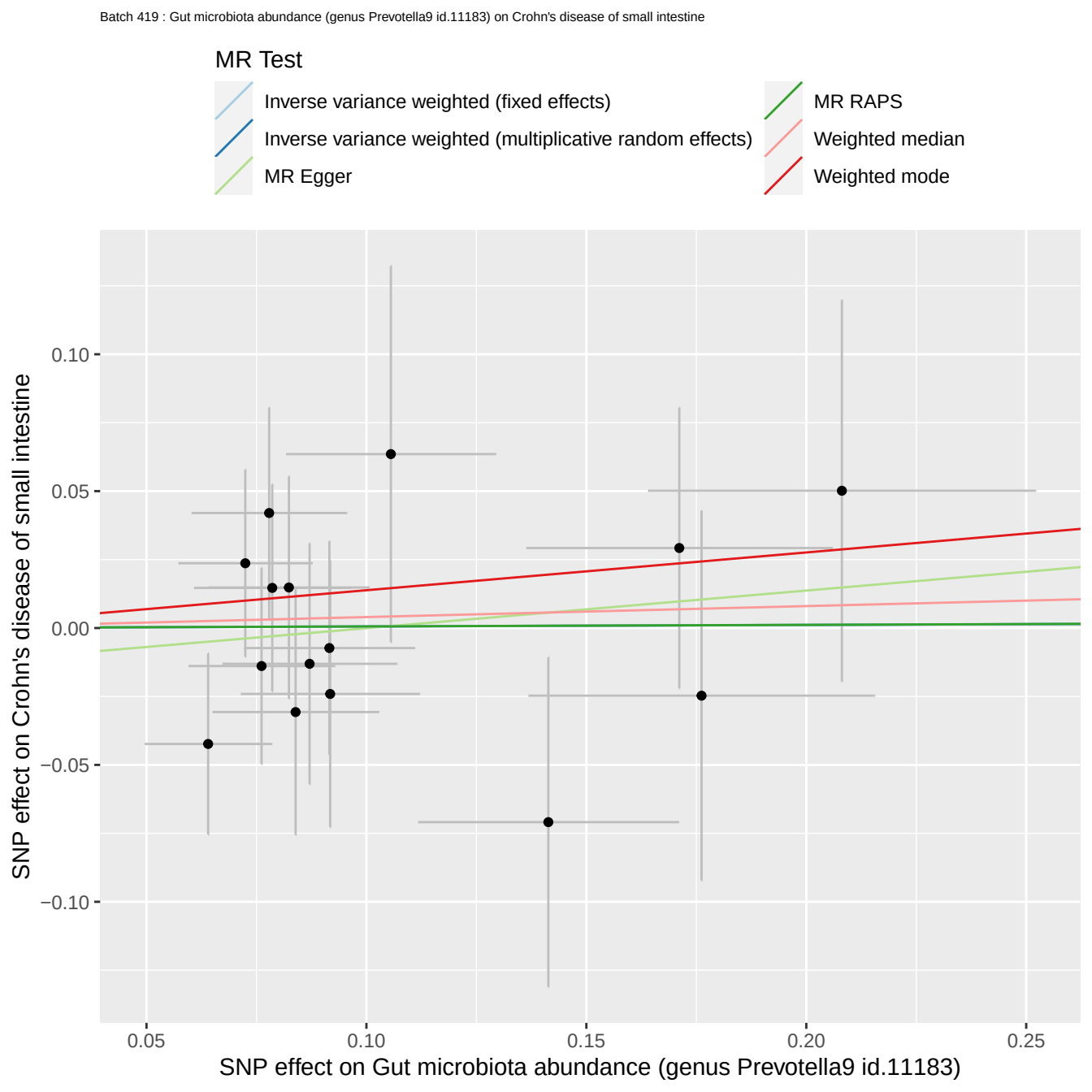
Batch 416 : Gut microbiota abundance (genus Peptococcus id.2037) on Crohn's disease of small intestine



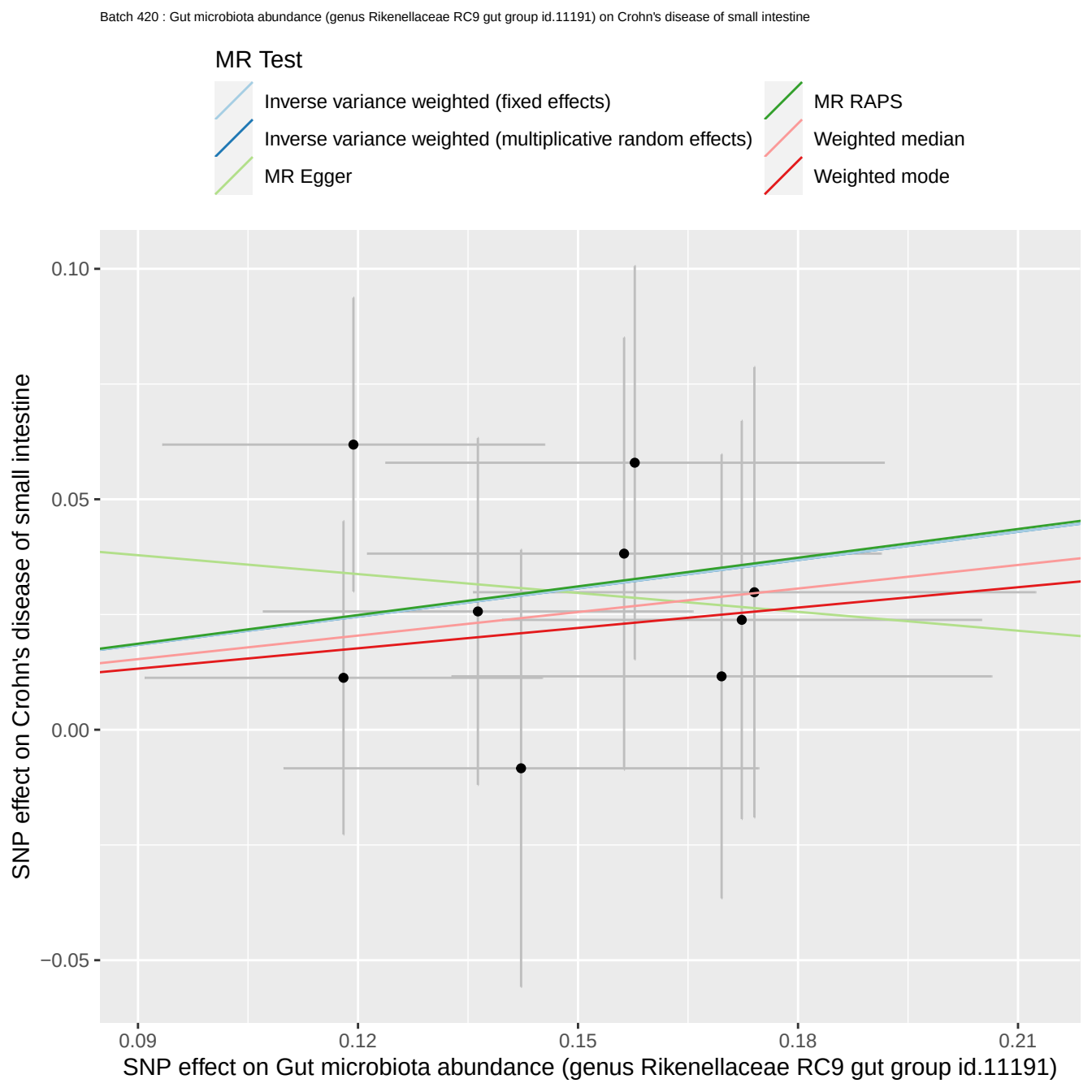
Batch 417 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Crohn's disease of small intestine



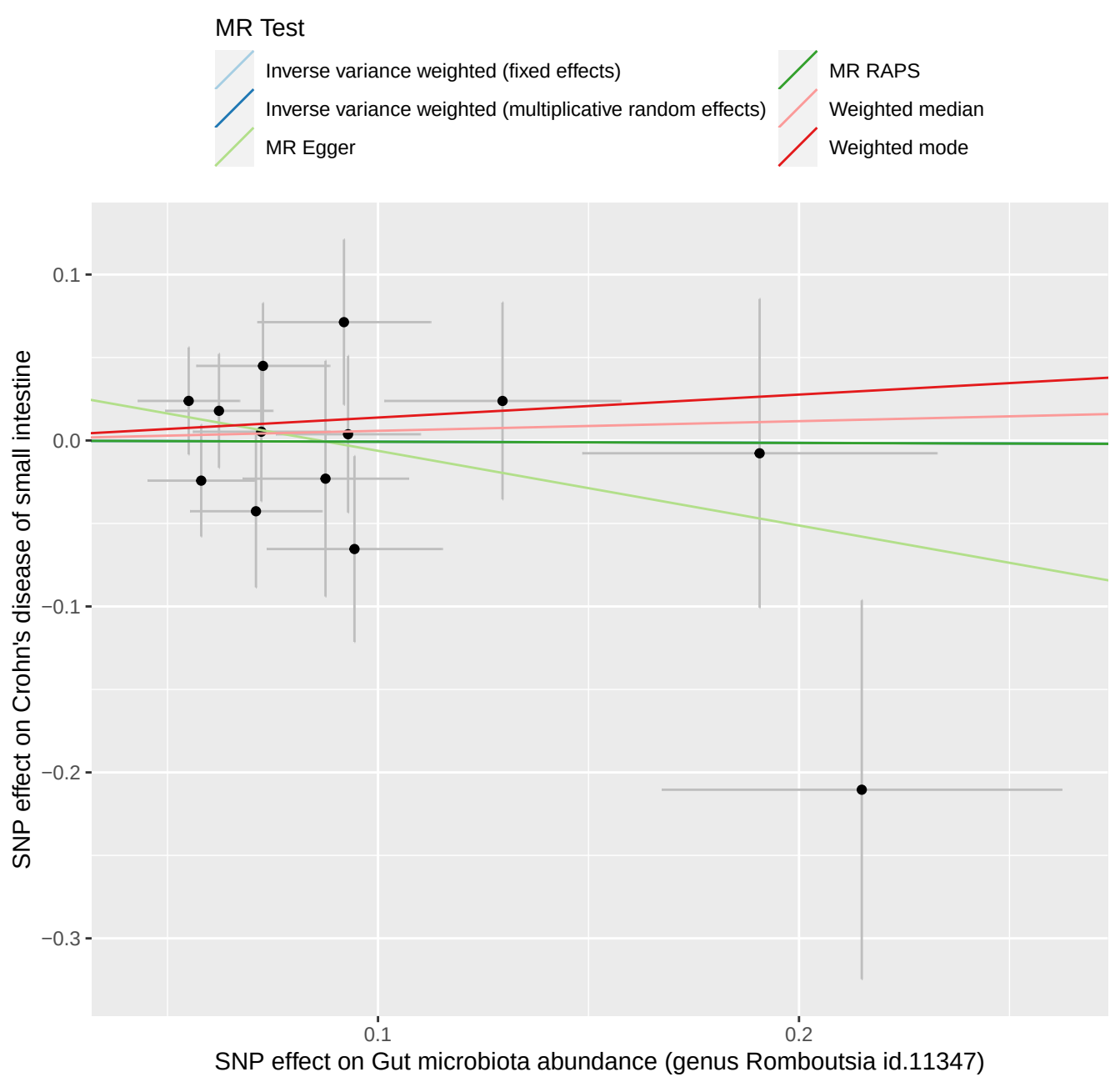

Batch 418 : Gut microbiota abundance (genus Prevotella7 id.11182) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

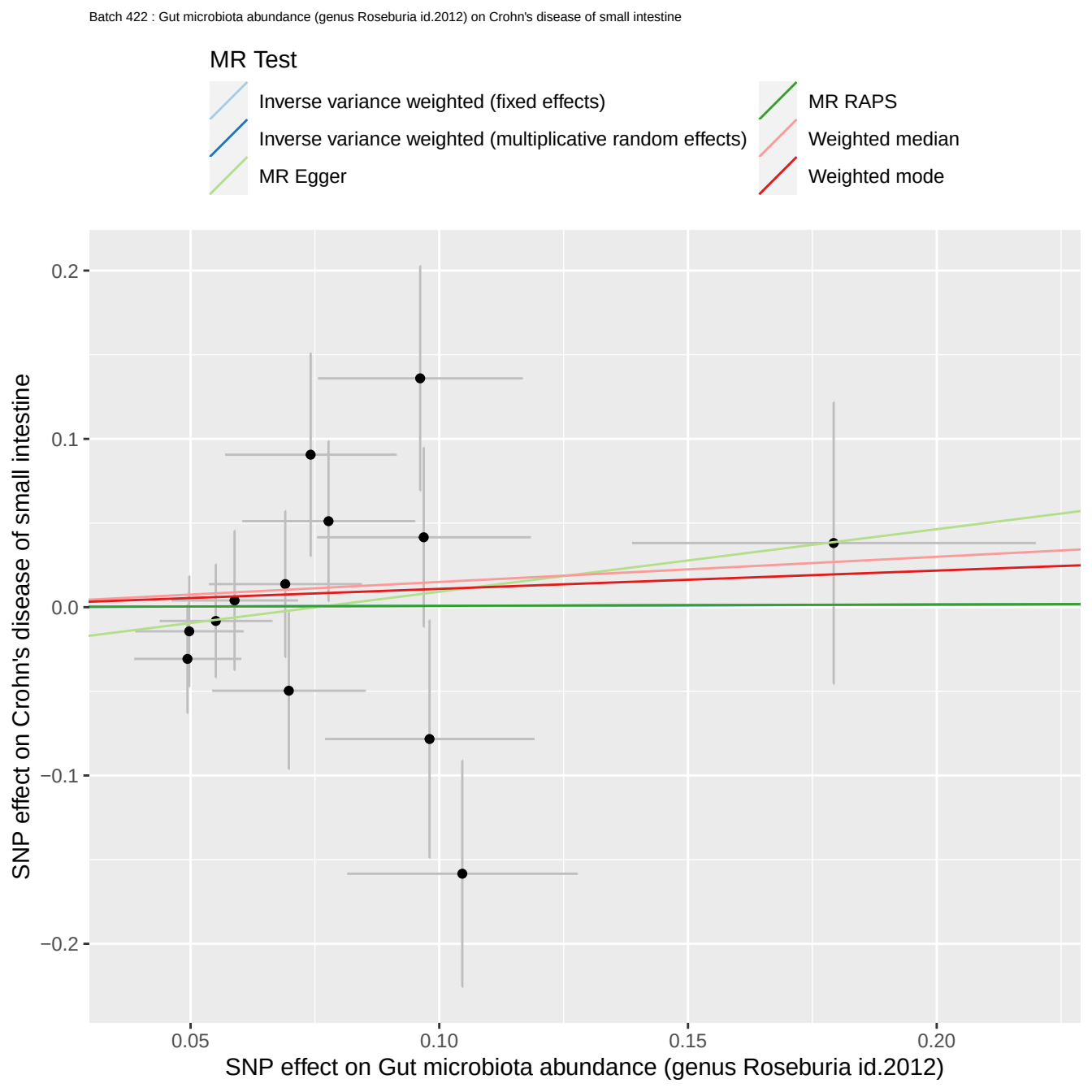

Batch 419 : Gut microbiota abundance (genus Prevotella9 id.11183) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

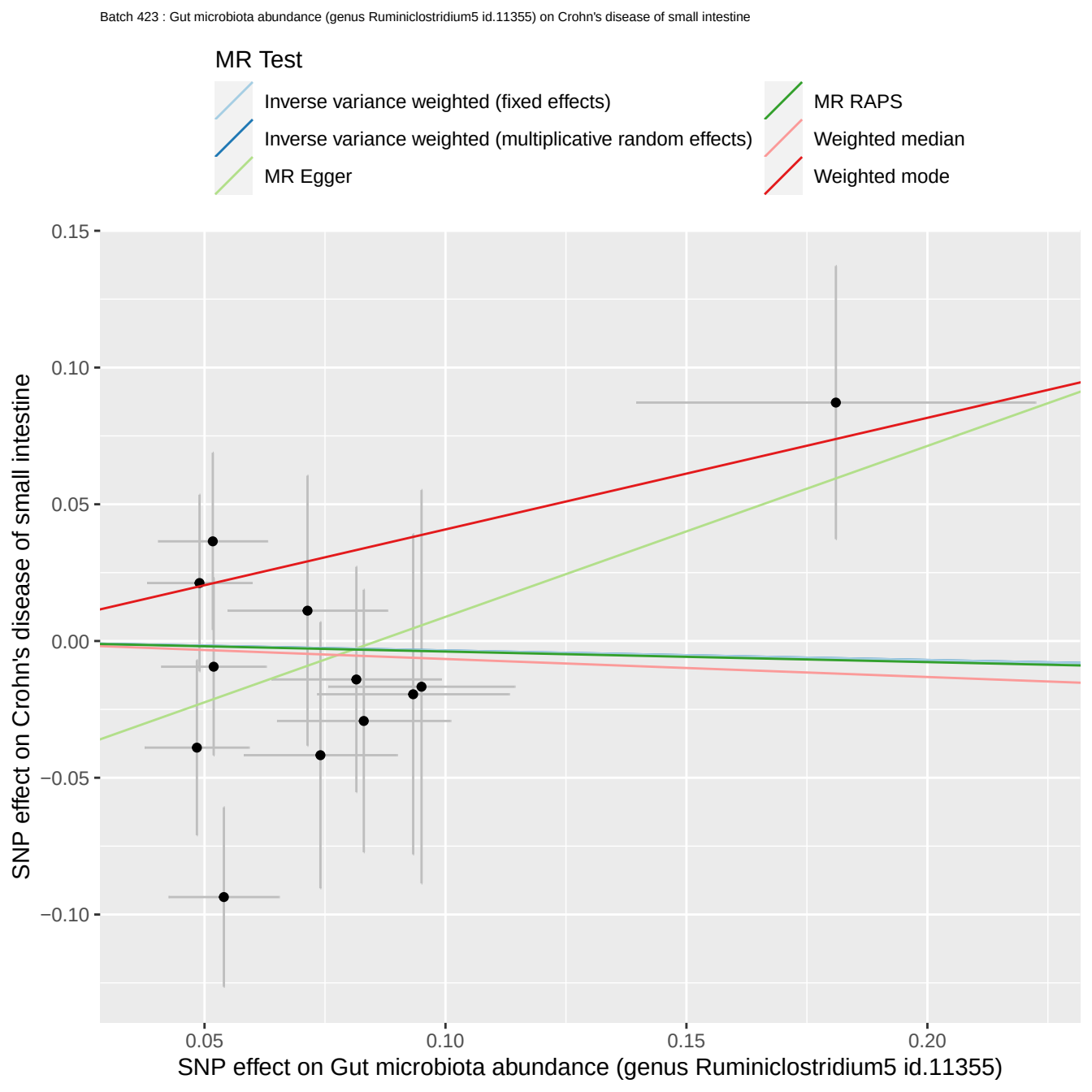
Batch 420 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Crohn's disease of small intestine

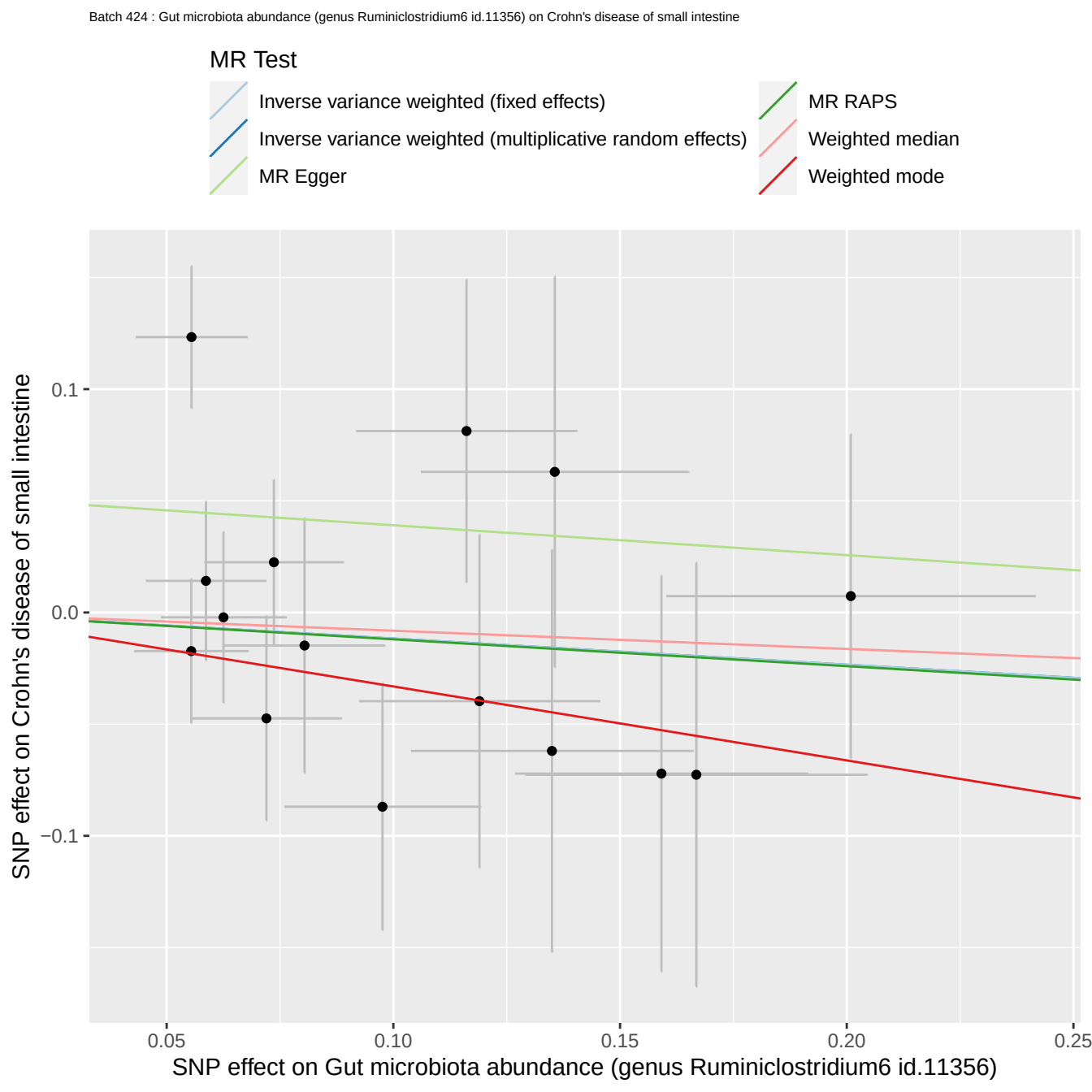


Batch 421 : Gut microbiota abundance (genus Romboutsia id.11347) on Crohn's disease of small intestine

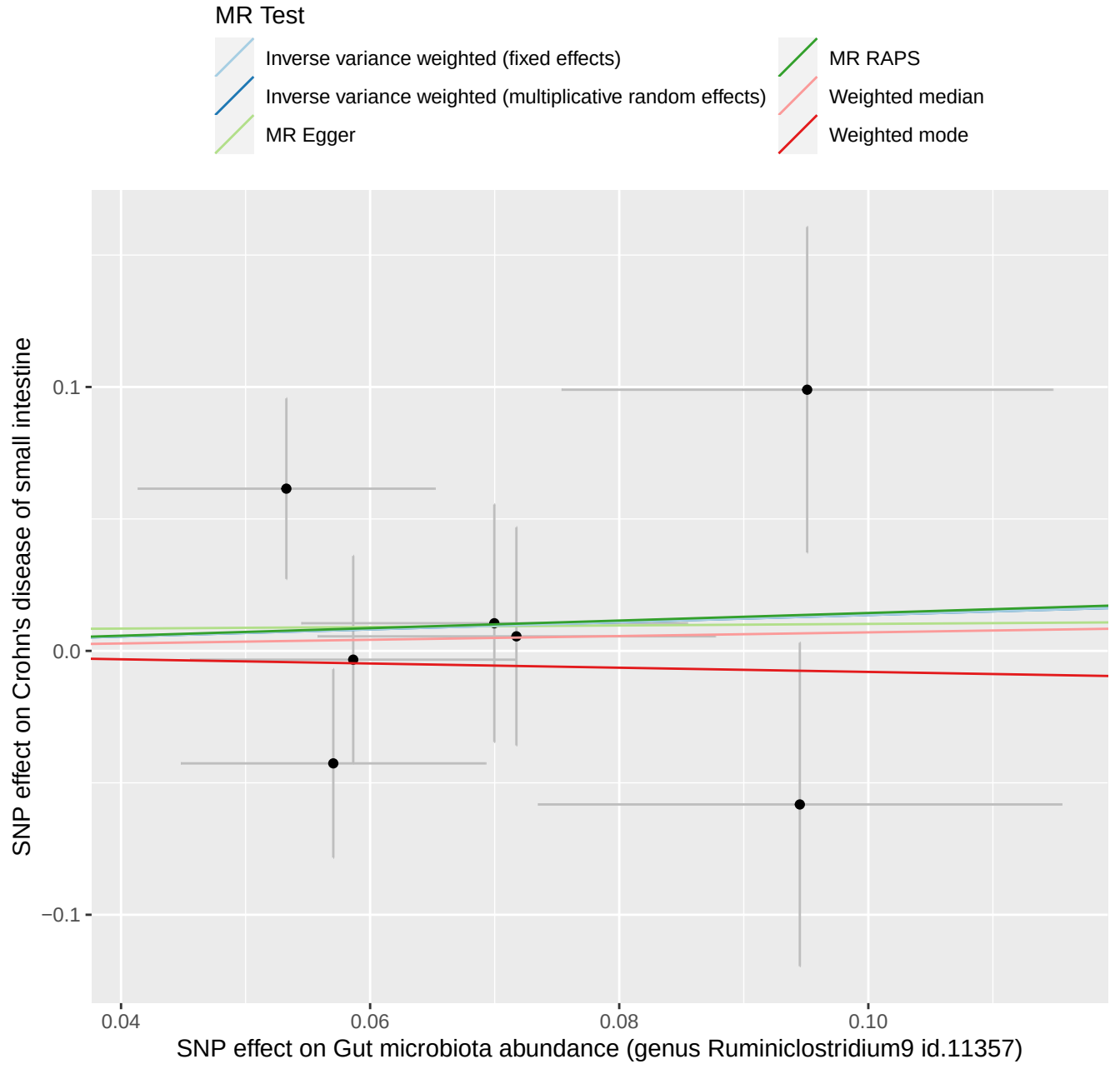



Batch 422 : Gut microbiota abundance (genus Roseburia id.2012) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

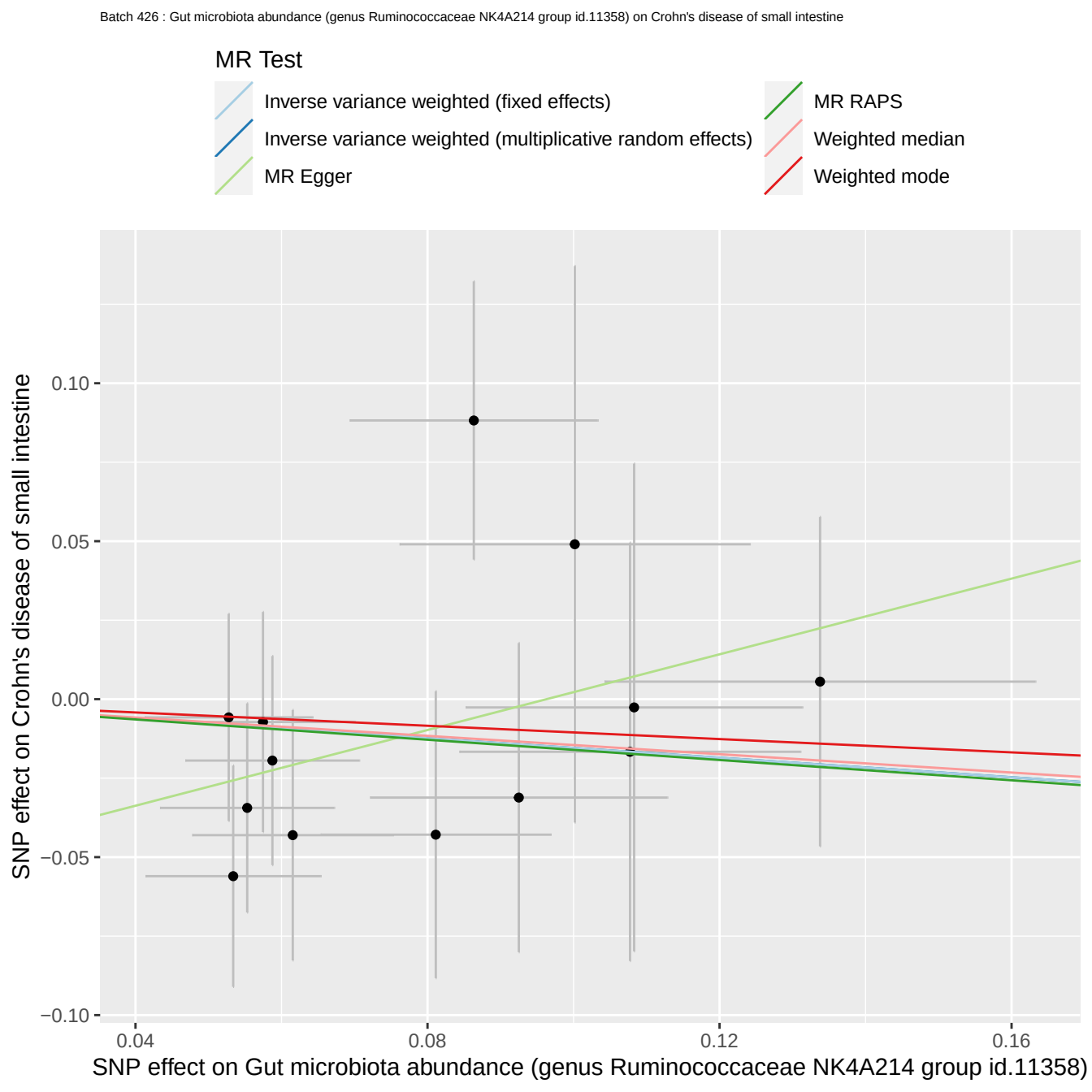

Batch 423 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)


Batch 424 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

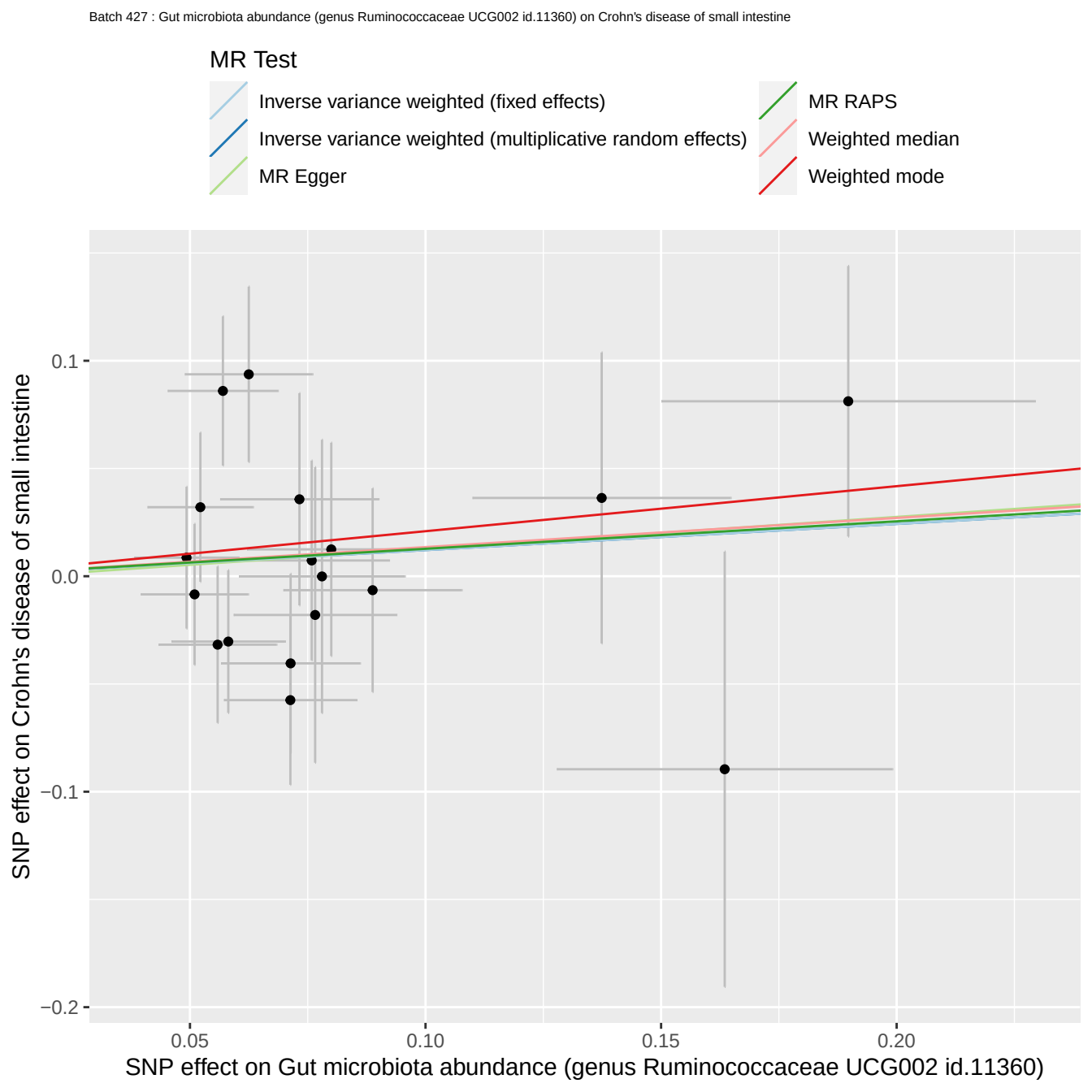
Batch 425 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Crohn's disease of small intestine

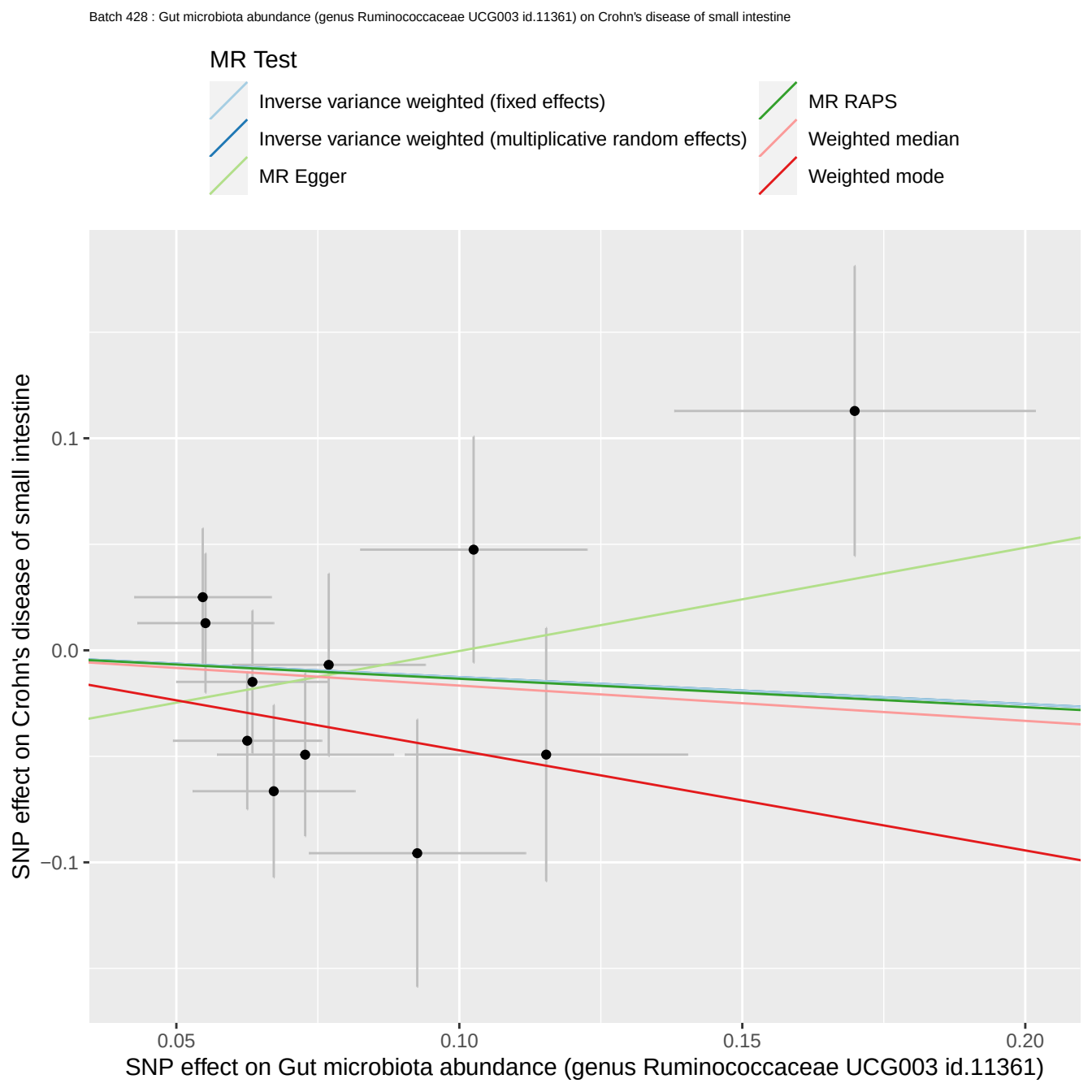


Batch 426 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Crohn's disease of small intestine

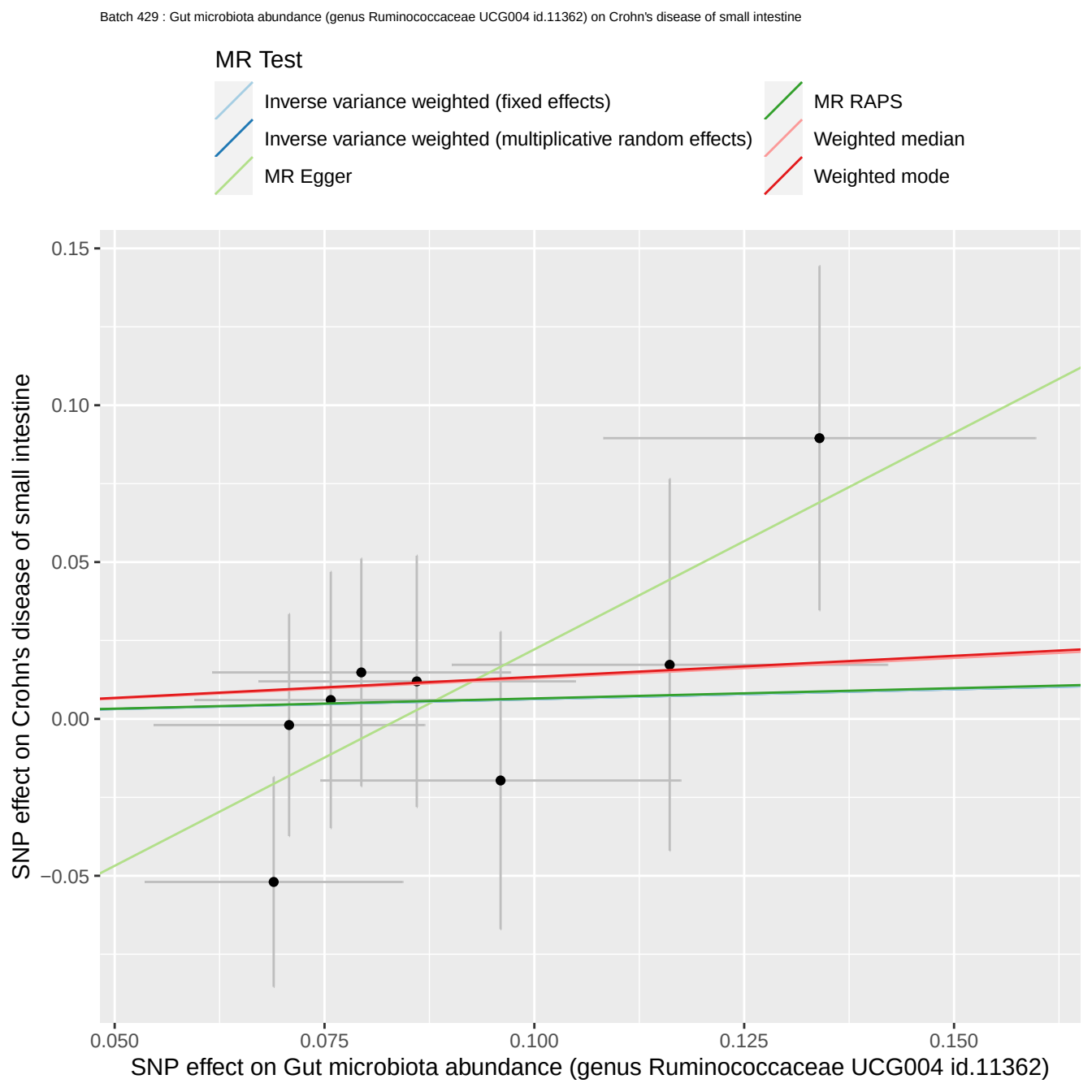


Batch 427 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Crohn's disease of small intestine

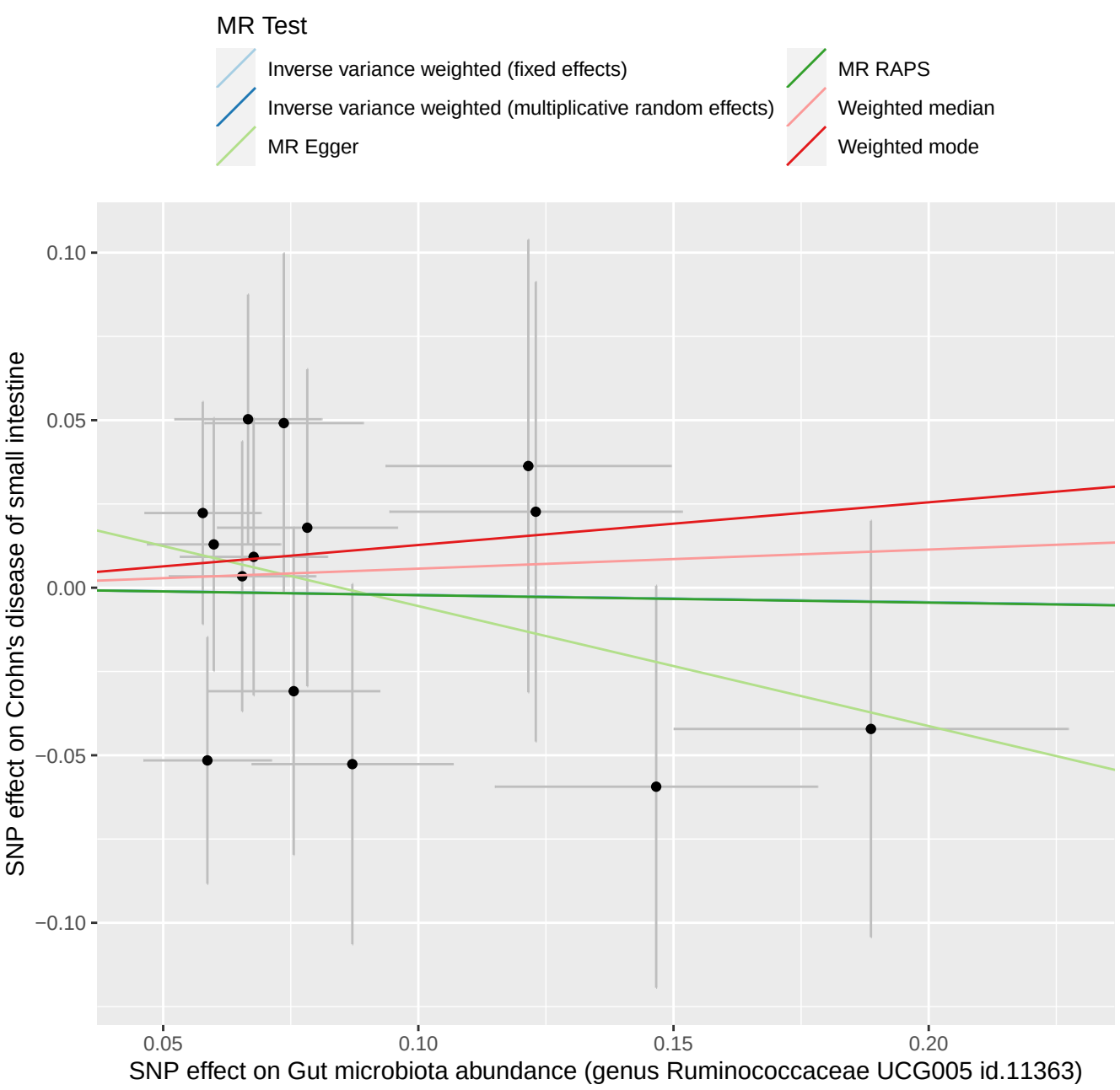



Batch 428 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

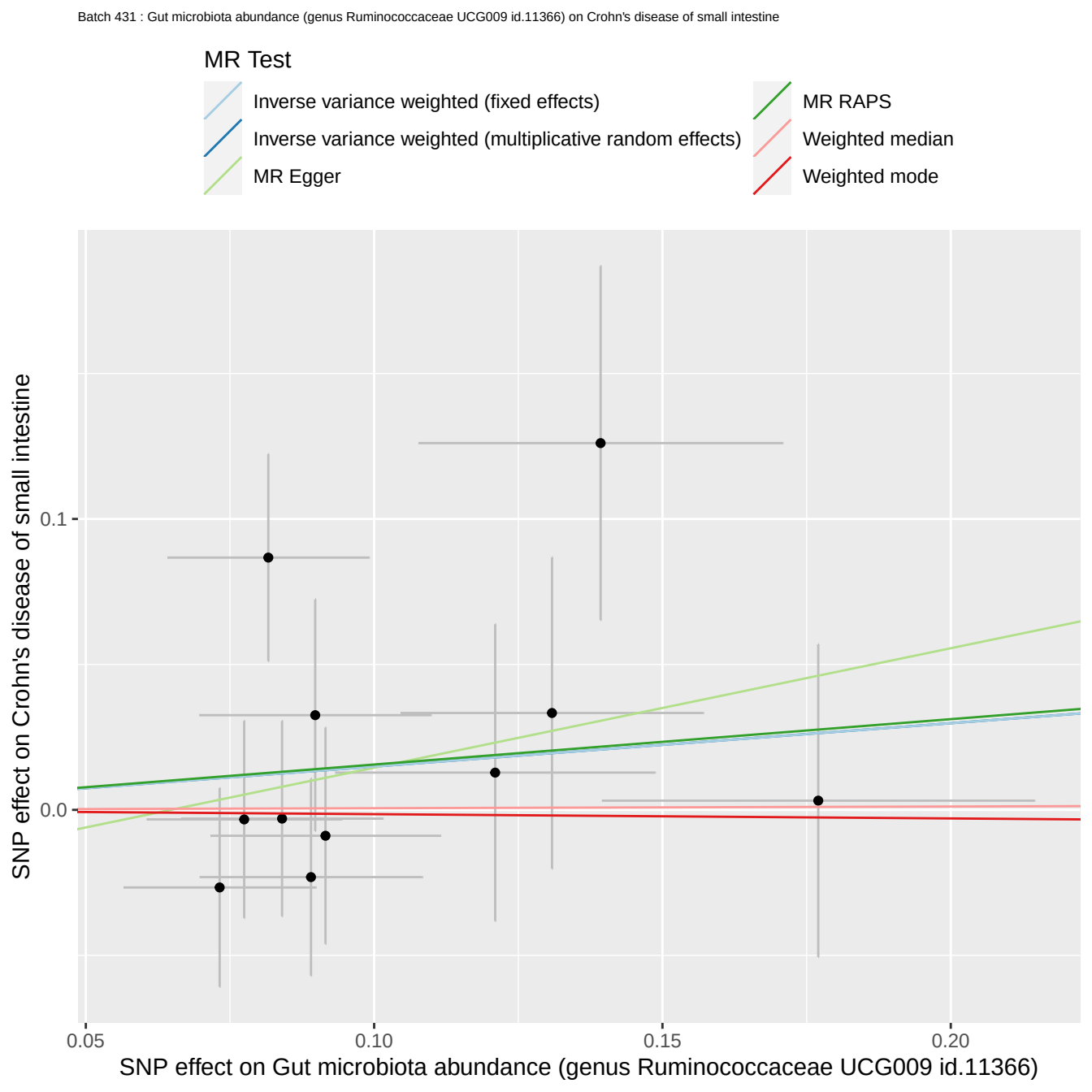
Batch 429 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Crohn's disease of small intestine



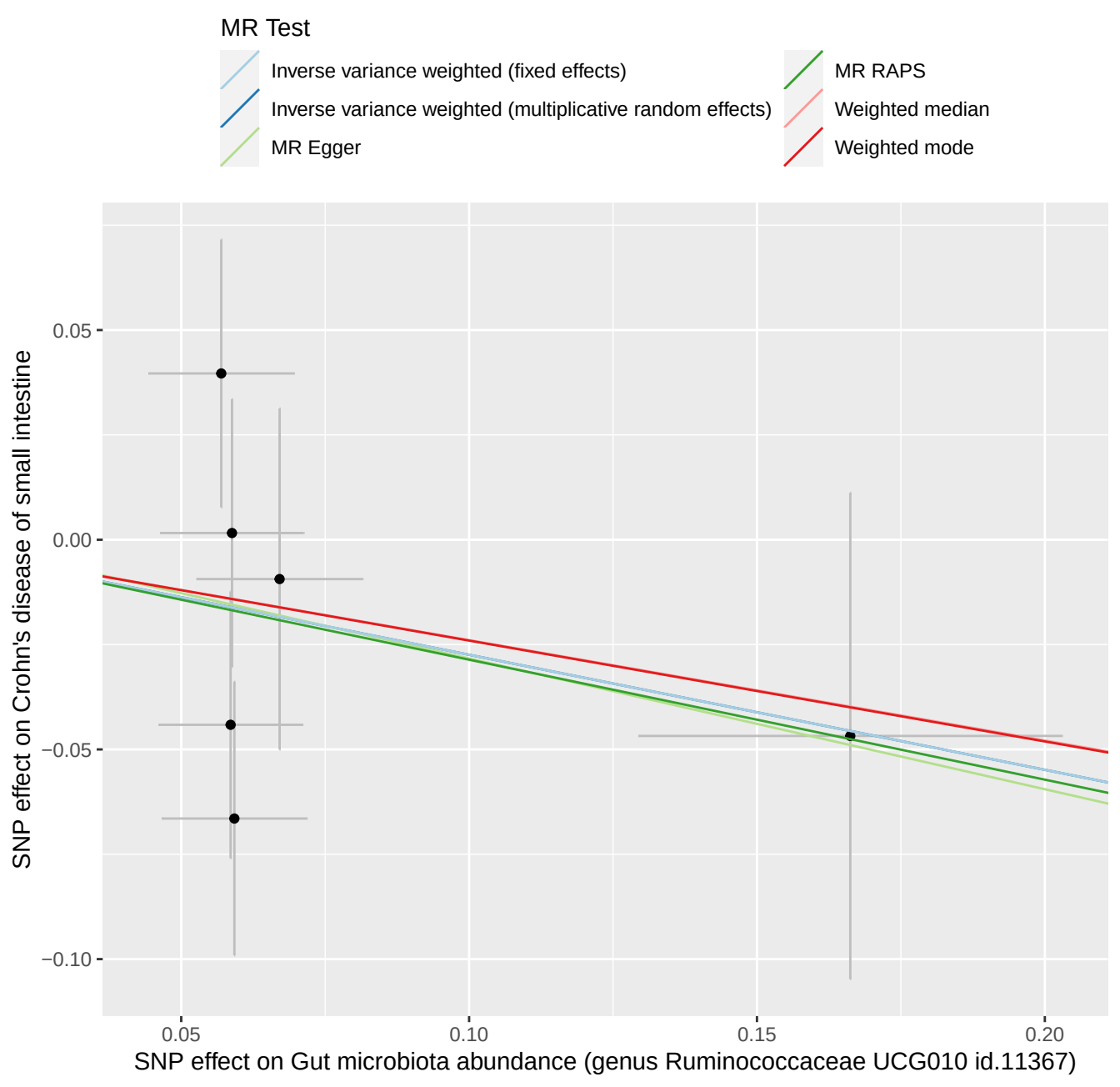
Batch 430 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Crohn's disease of small intestine



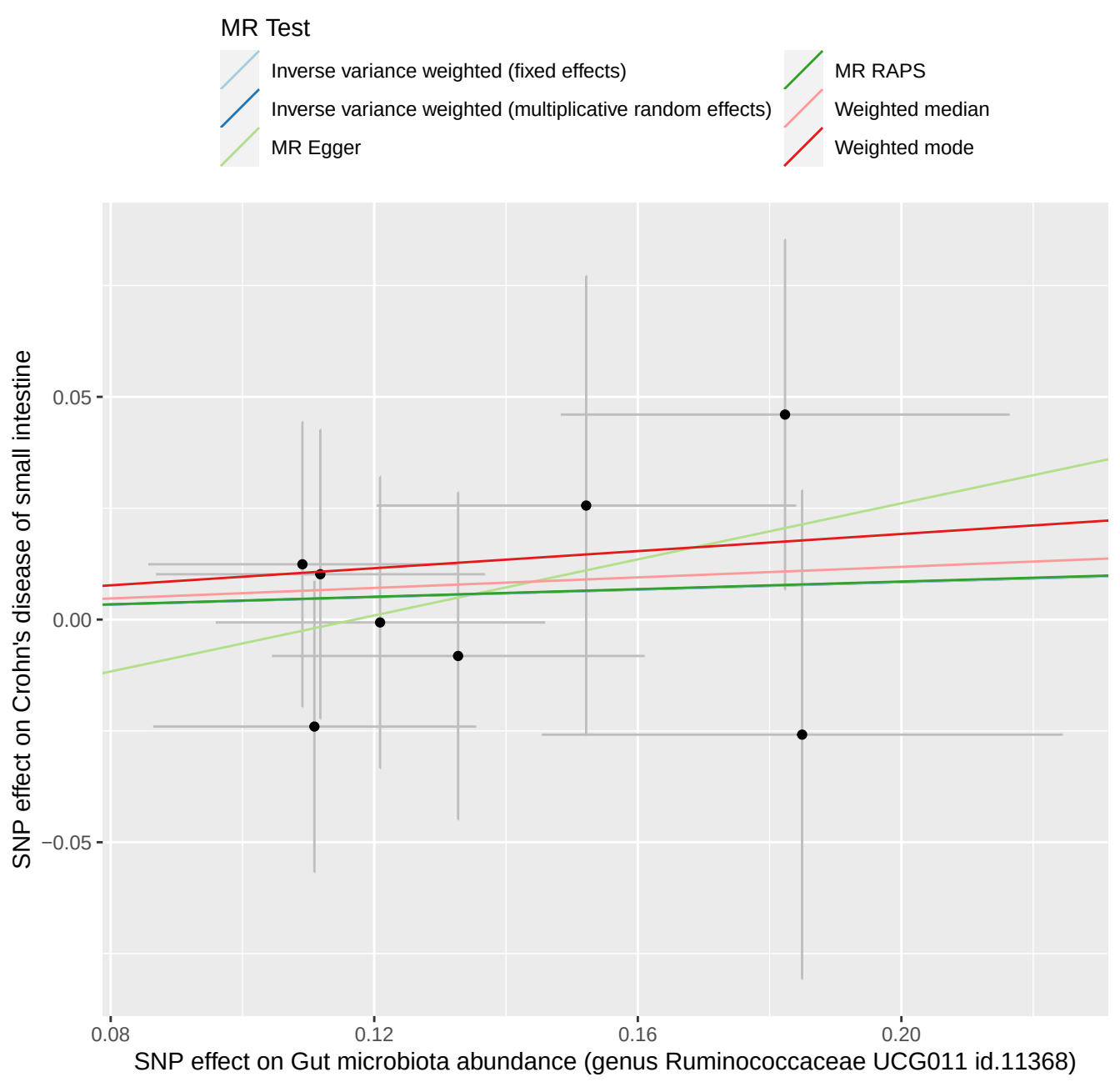
Batch 431 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Crohn's disease of small intestine

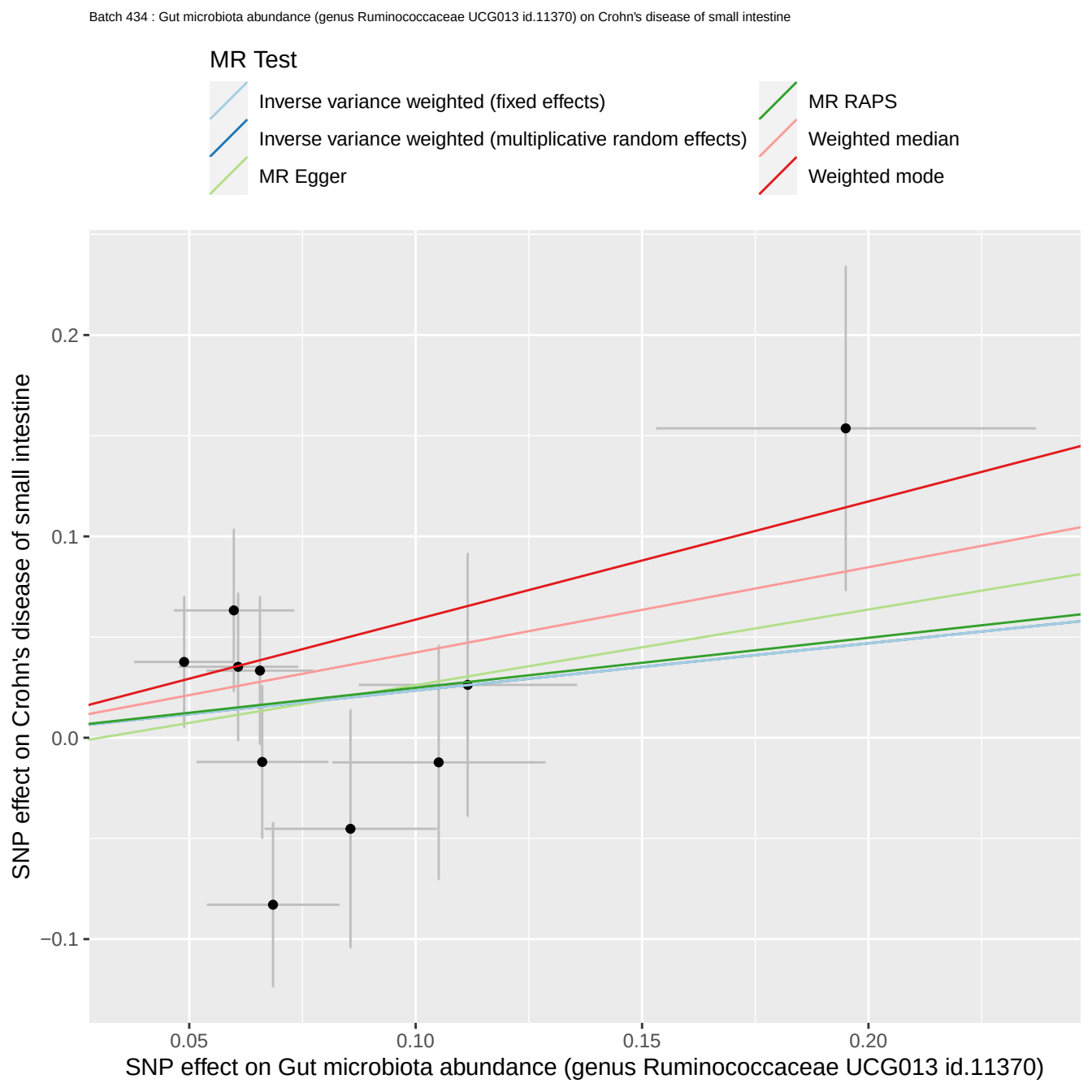


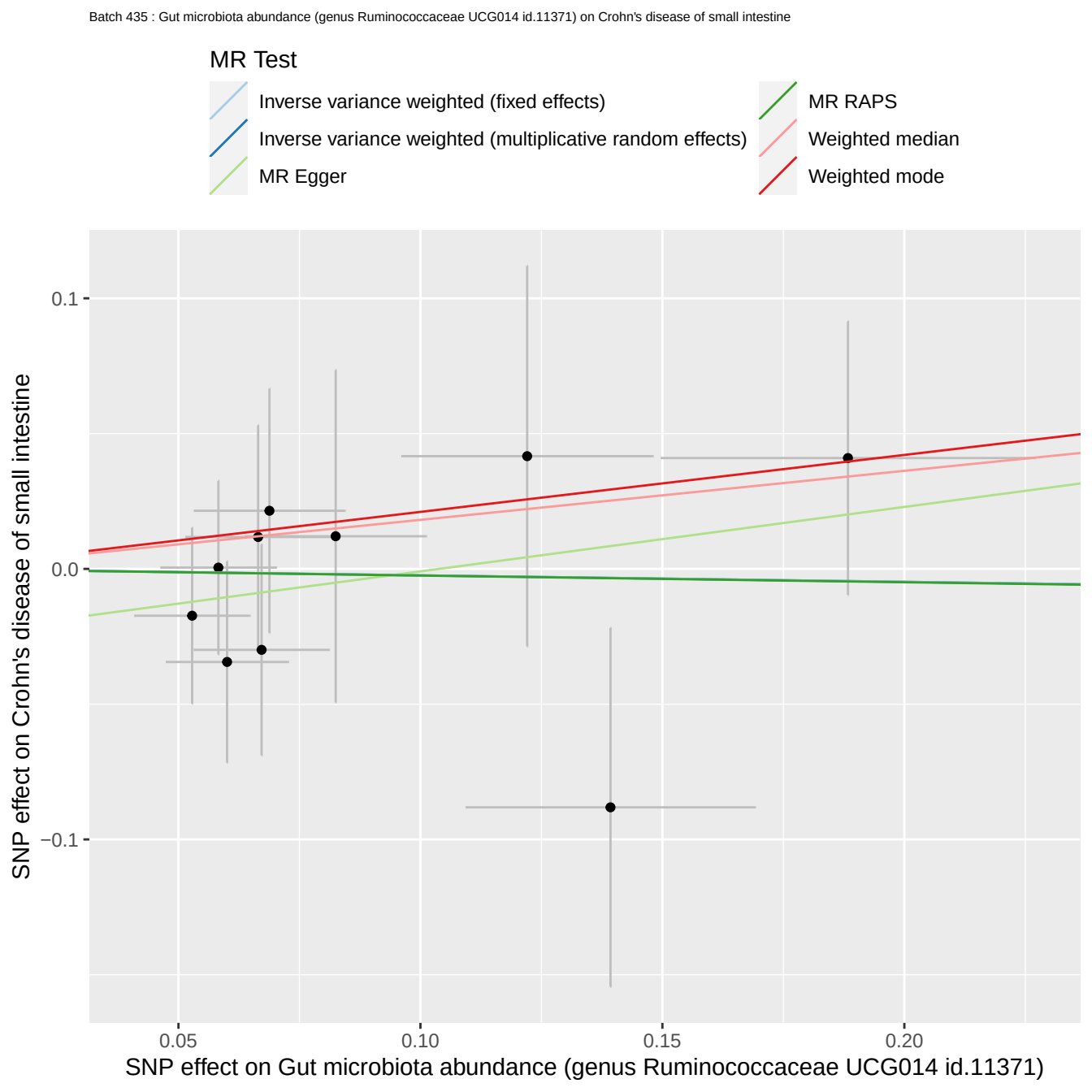
Batch 432 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Crohn's disease of small intestine



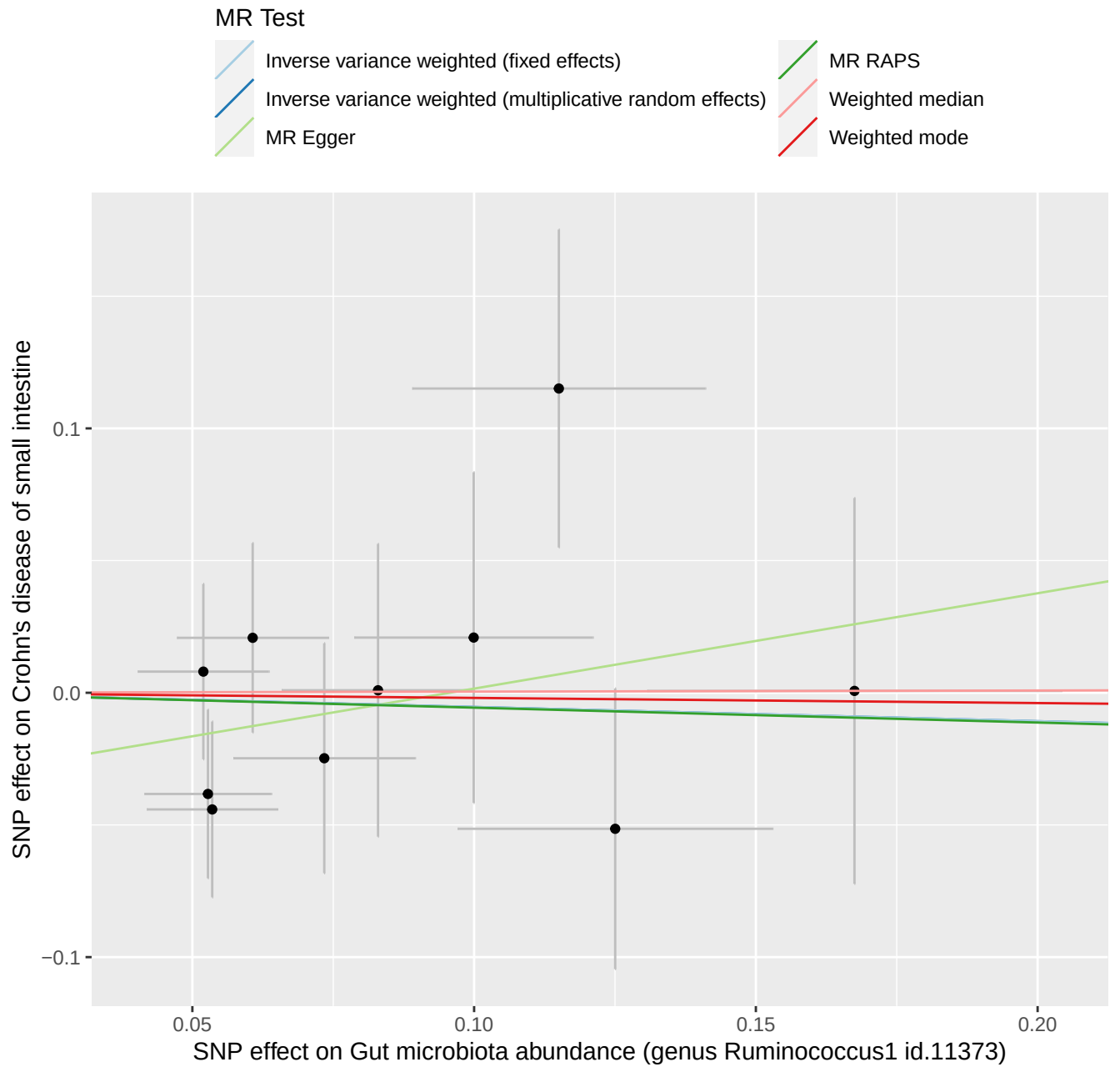
Batch 433 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Crohn's disease of small intestine

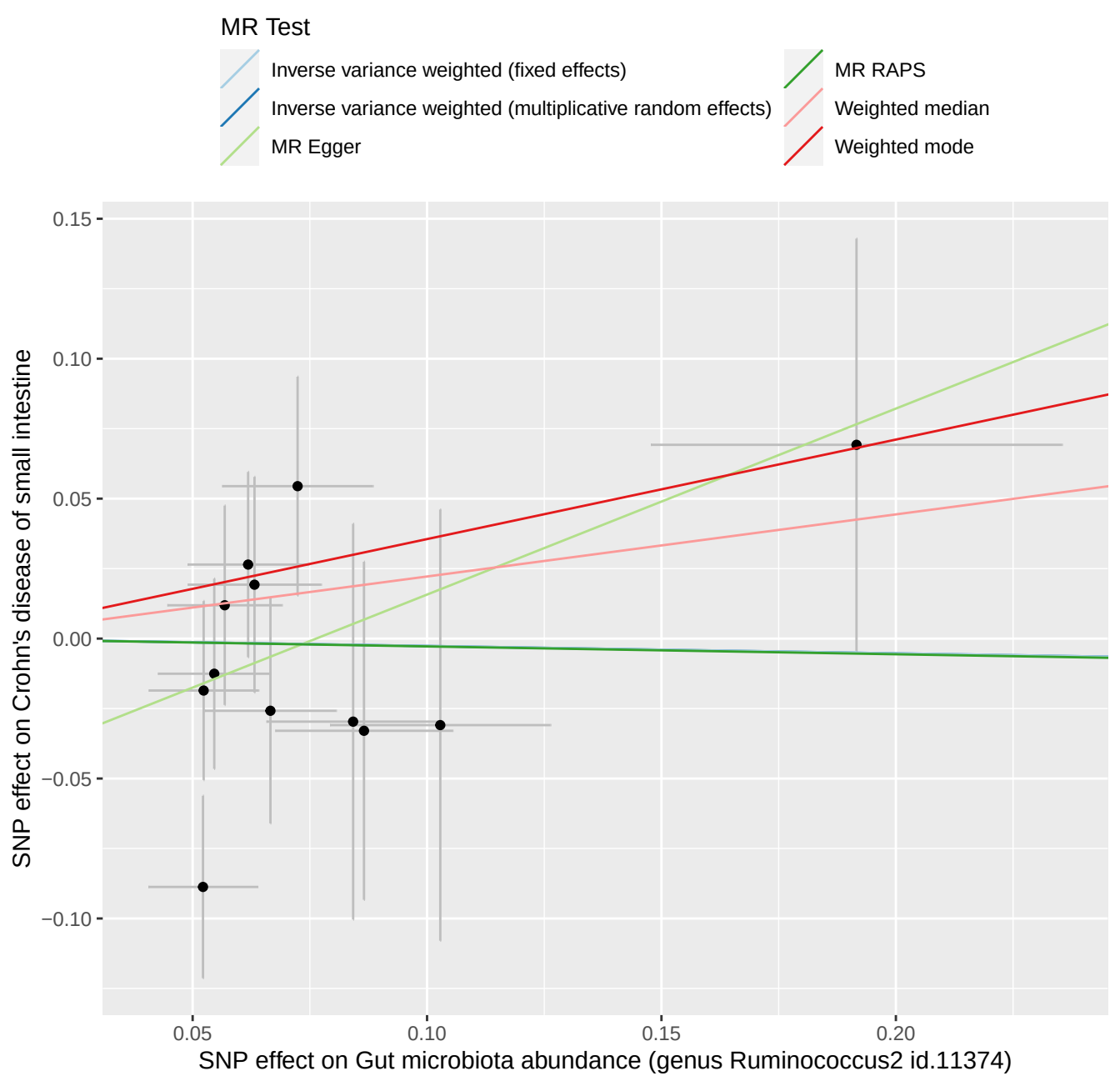


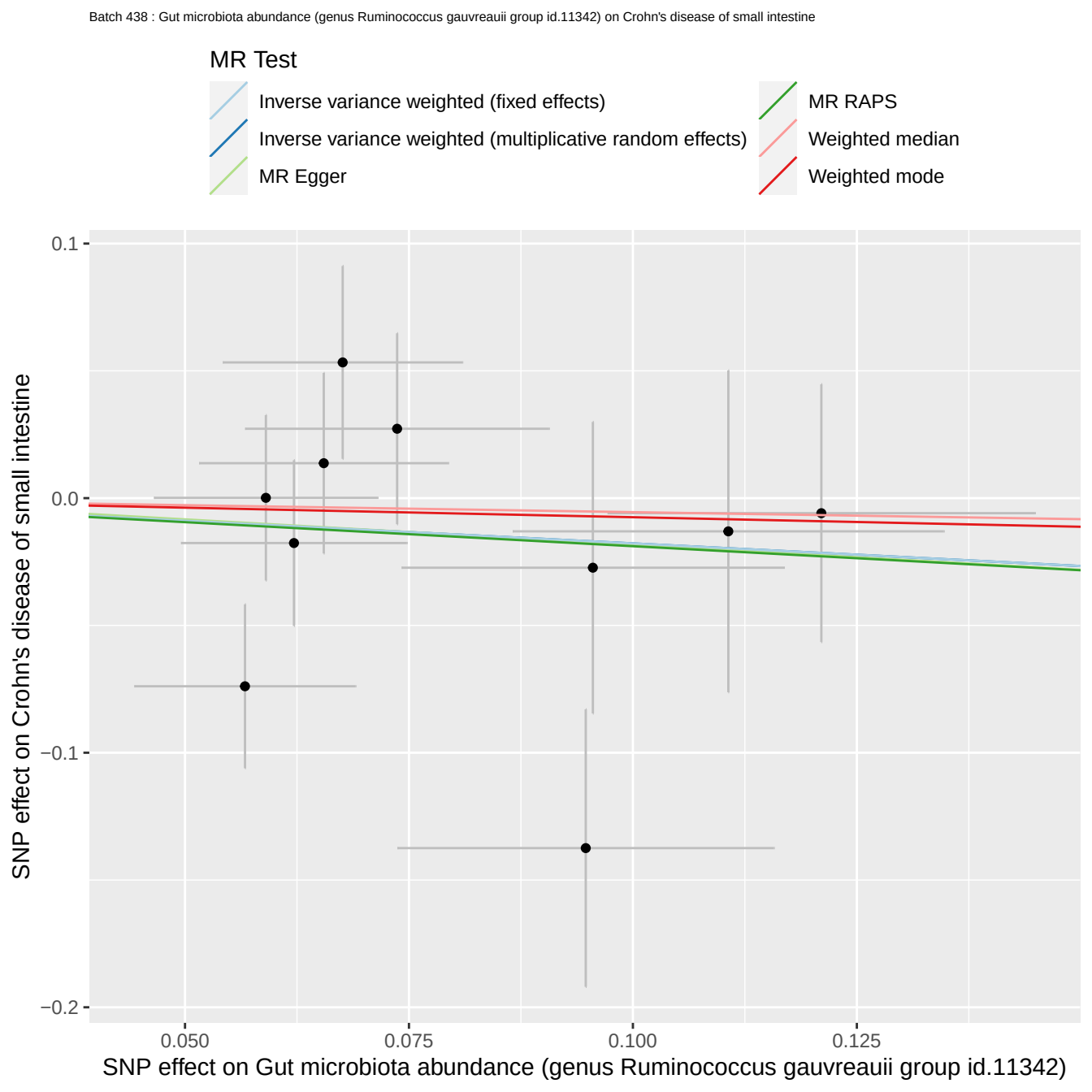

Batch 434 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)

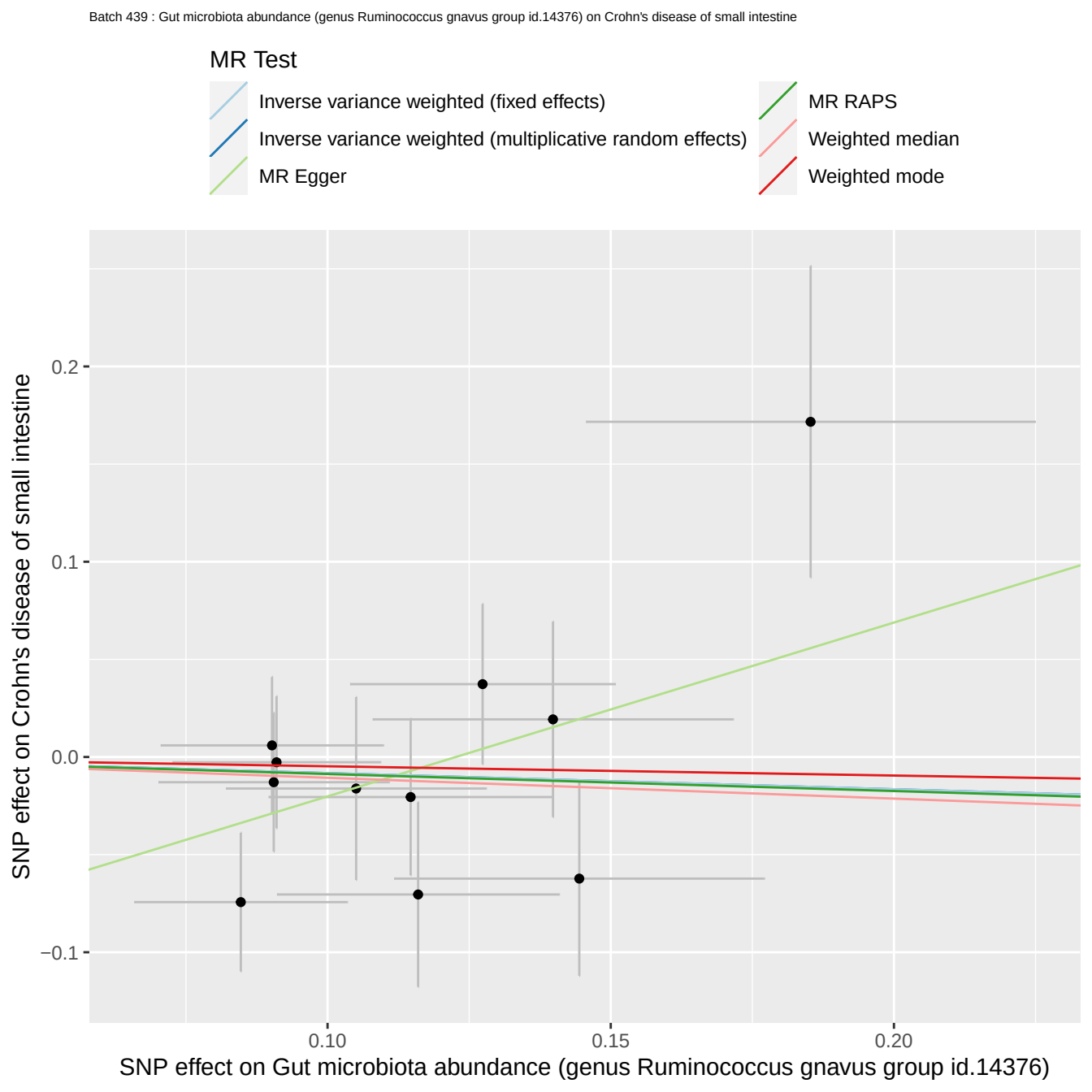

Batch 435 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

Batch 436 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Crohn's disease of small intestine

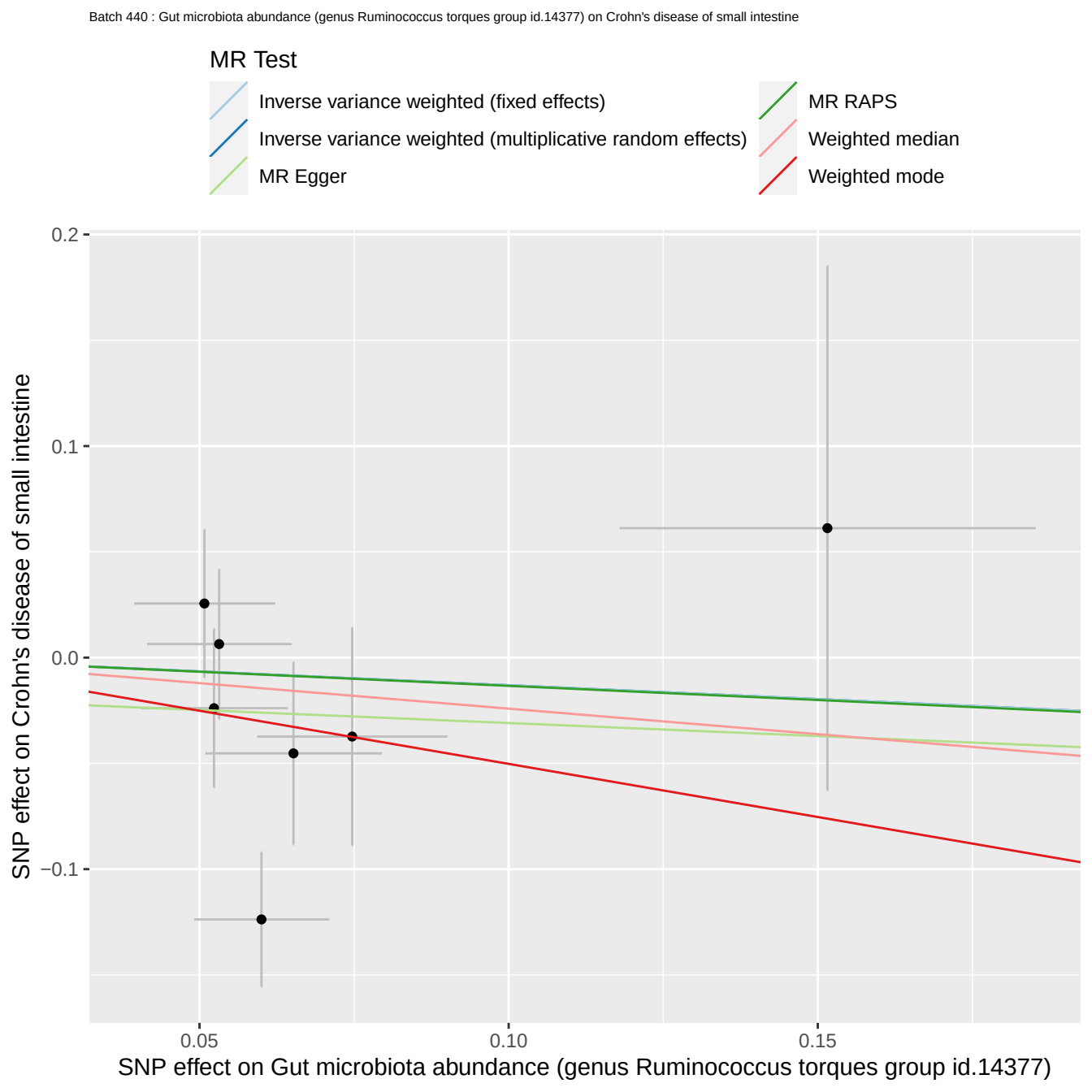



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Crohn's disease of small intestine
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

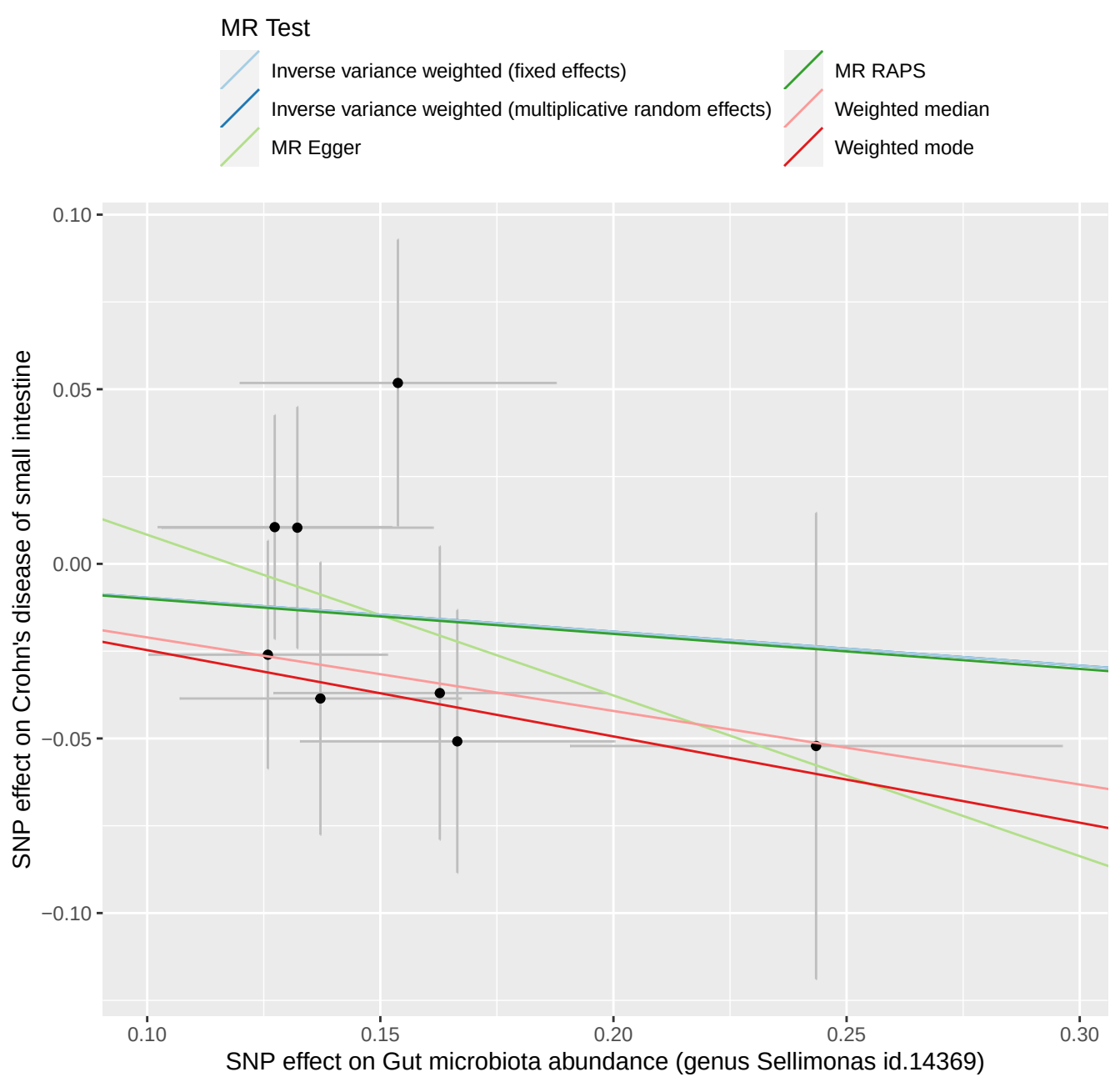

Batch 438 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Crohn's disease of small intestine
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

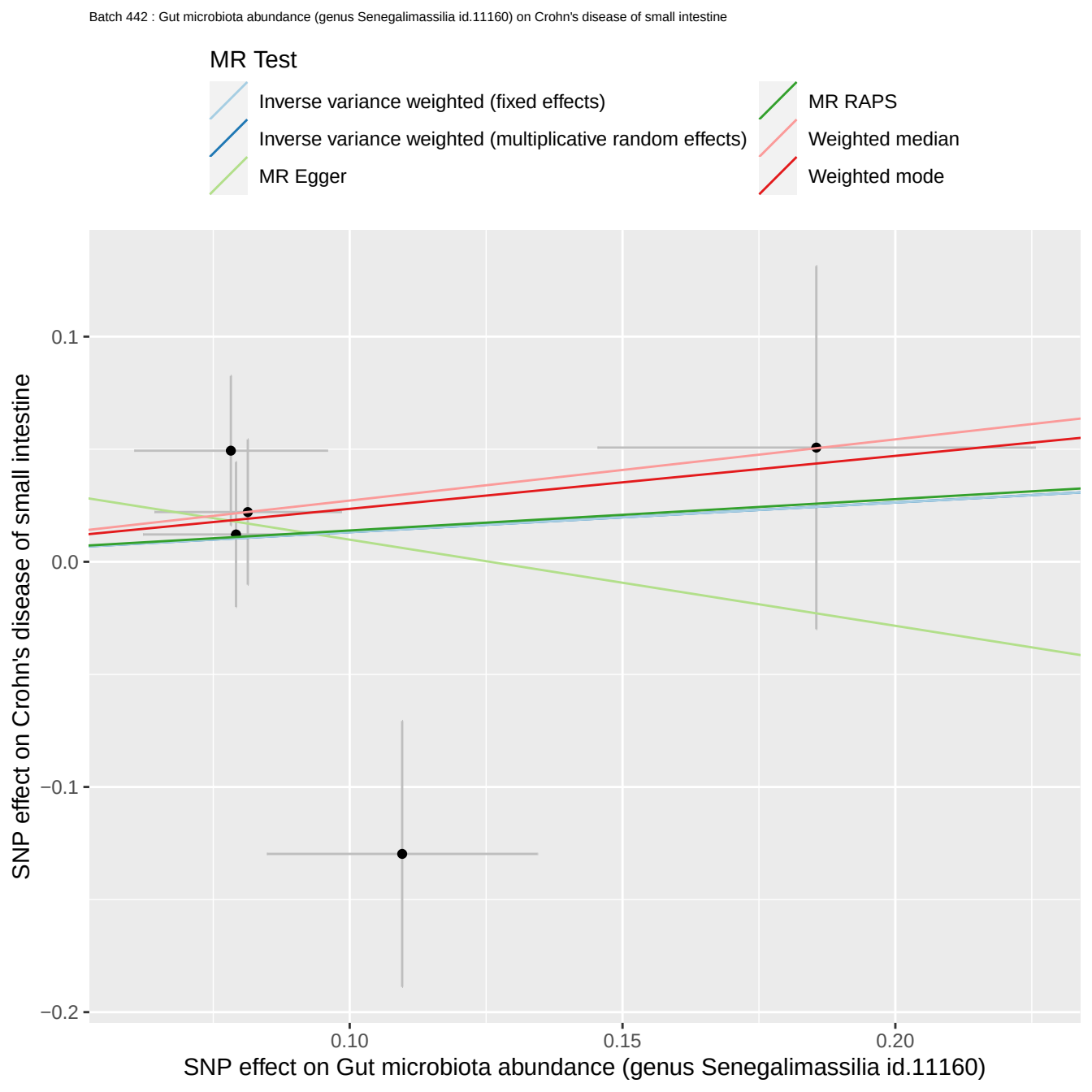

Batch 439 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

Batch 440 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Crohn's disease of small intestine

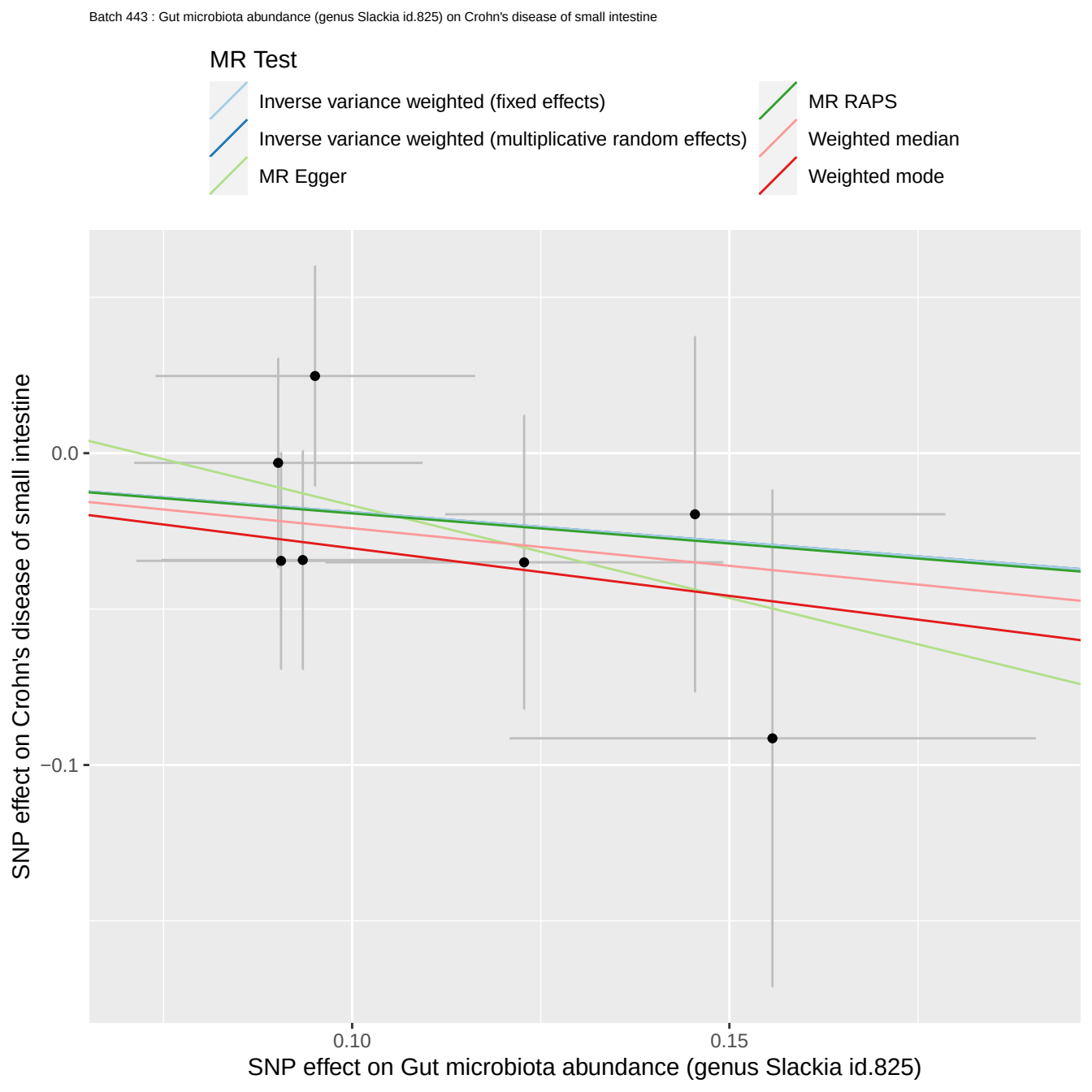


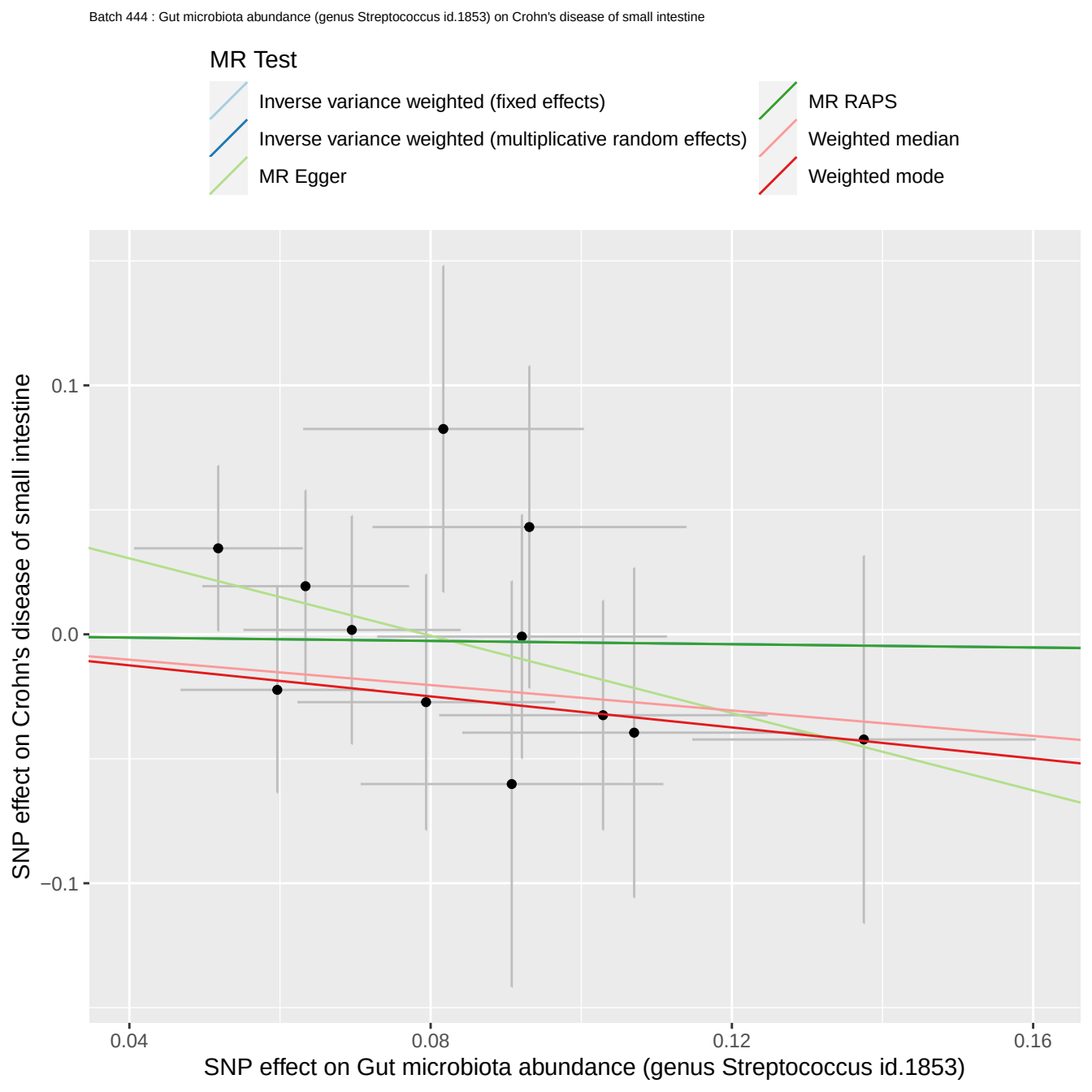
Batch 441 : Gut microbiota abundance (genus Sellimonas id.14369) on Crohn's disease of small intestine

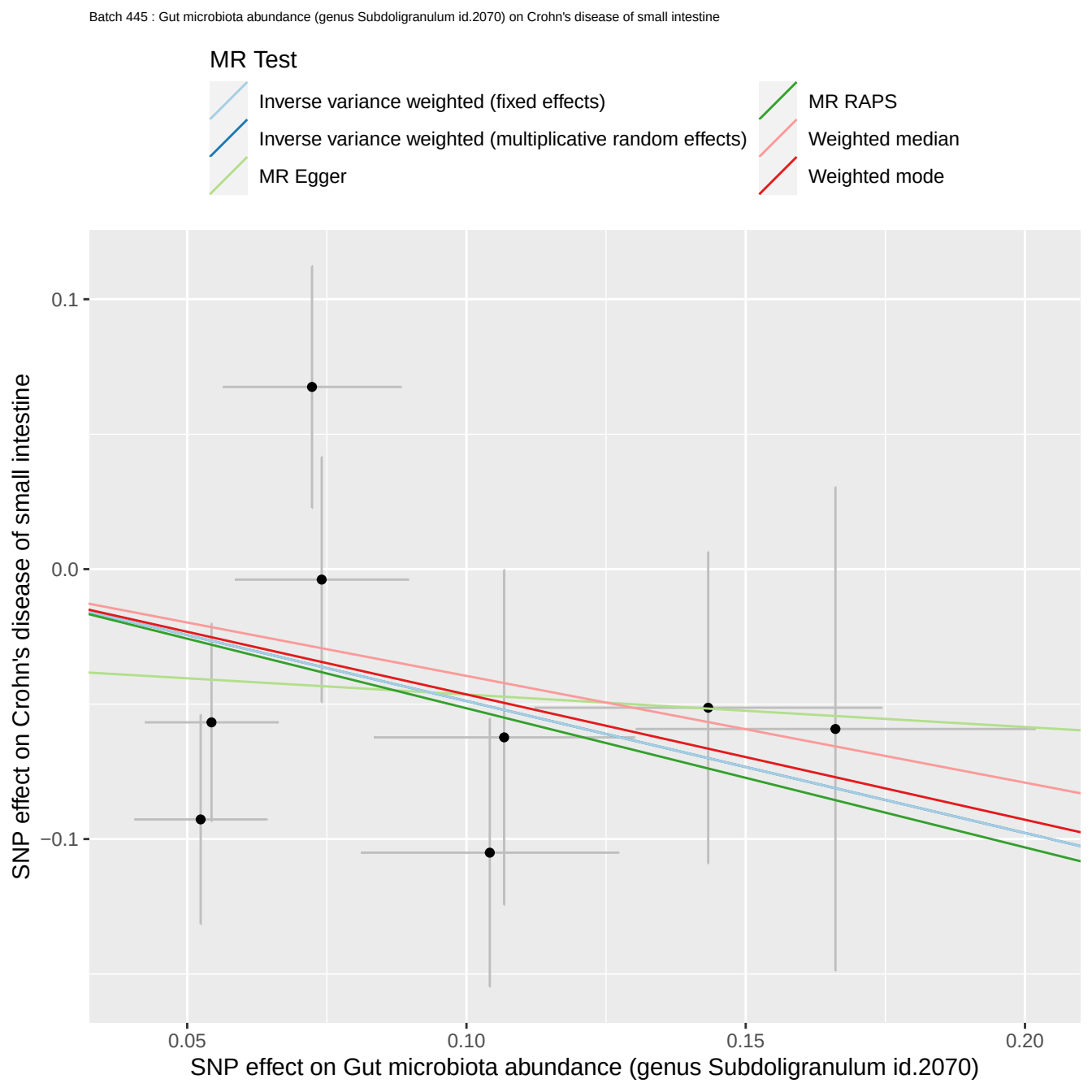


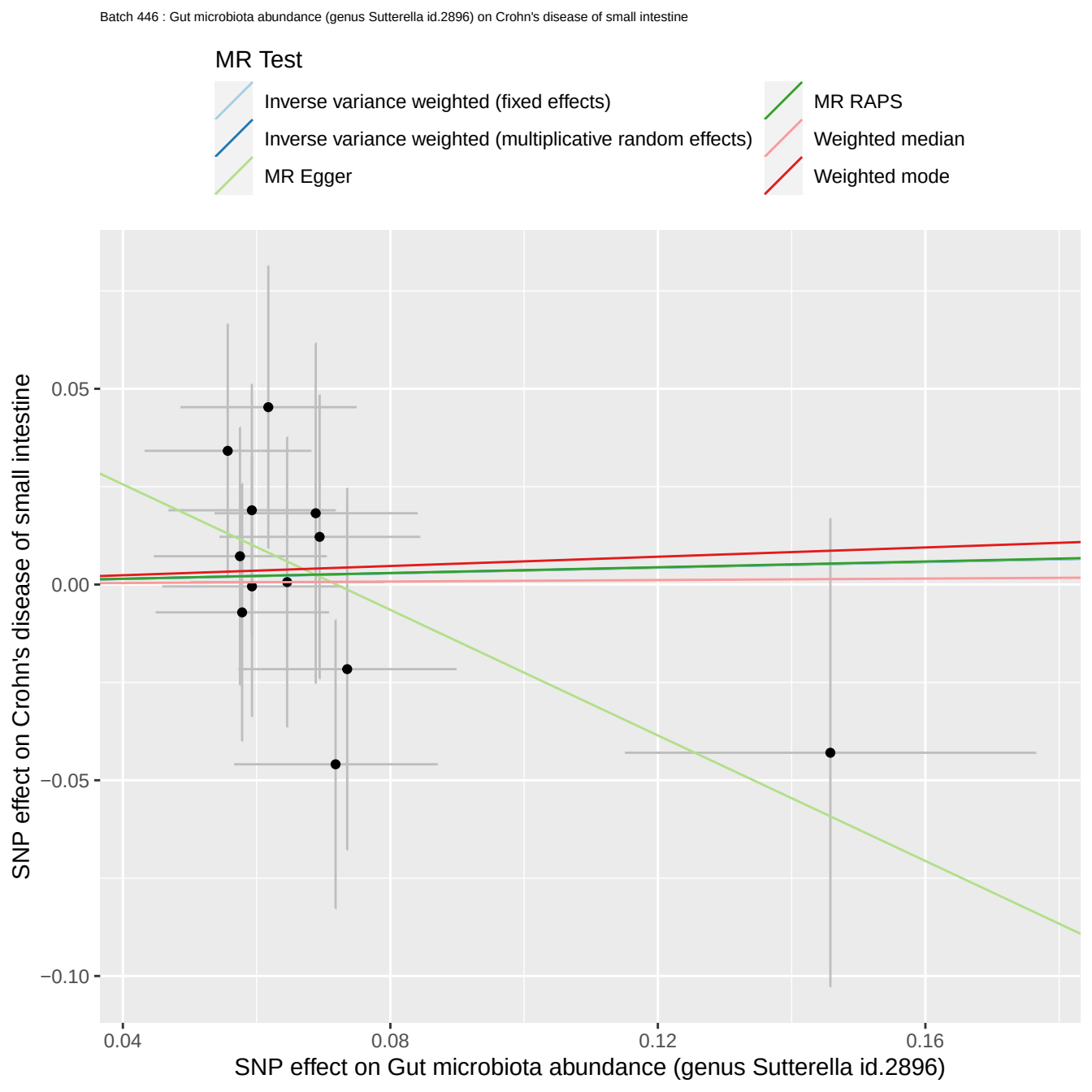

Batch 442 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

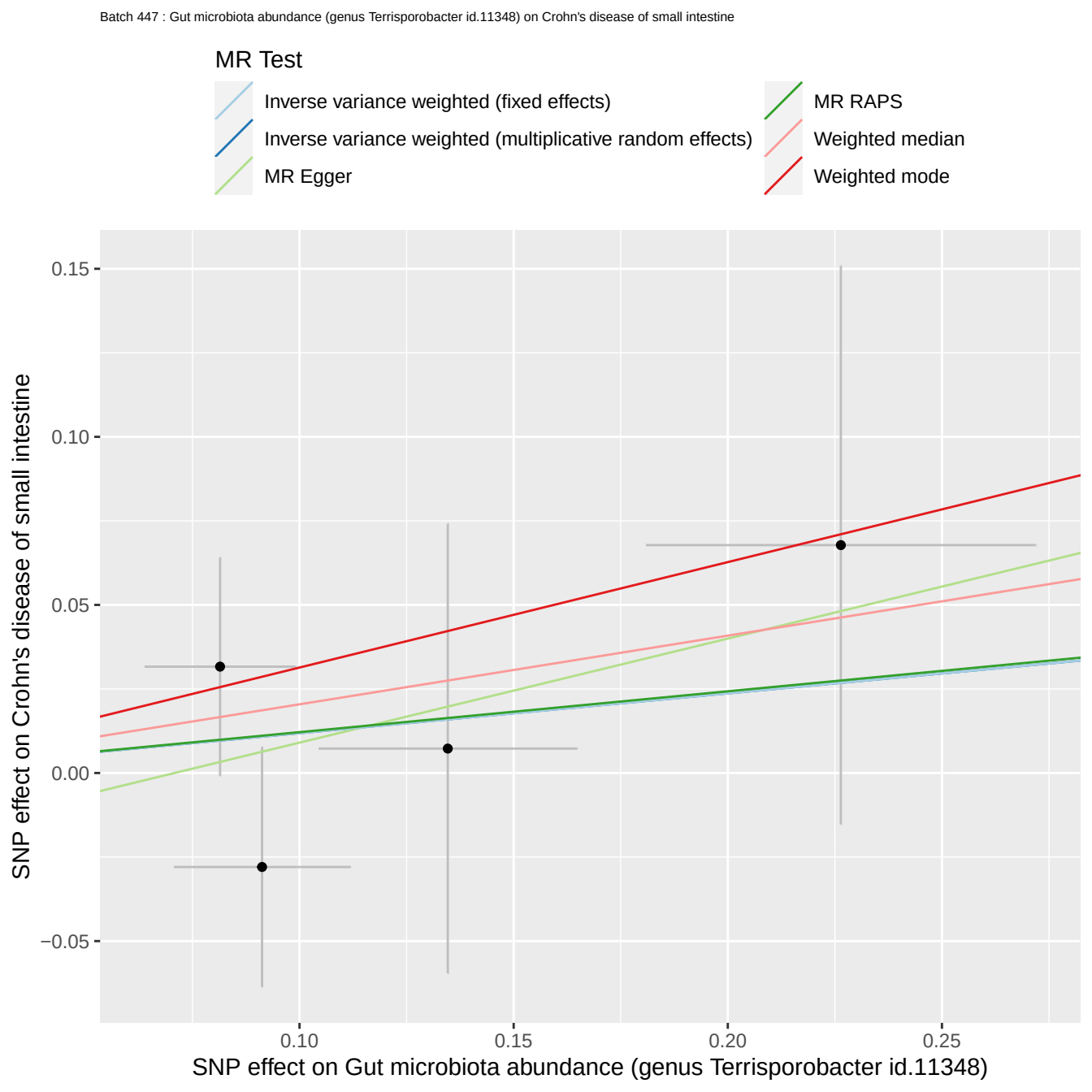
Batch 443 : Gut microbiota abundance (genus Slackia id.825) on Crohn's disease of small intestine

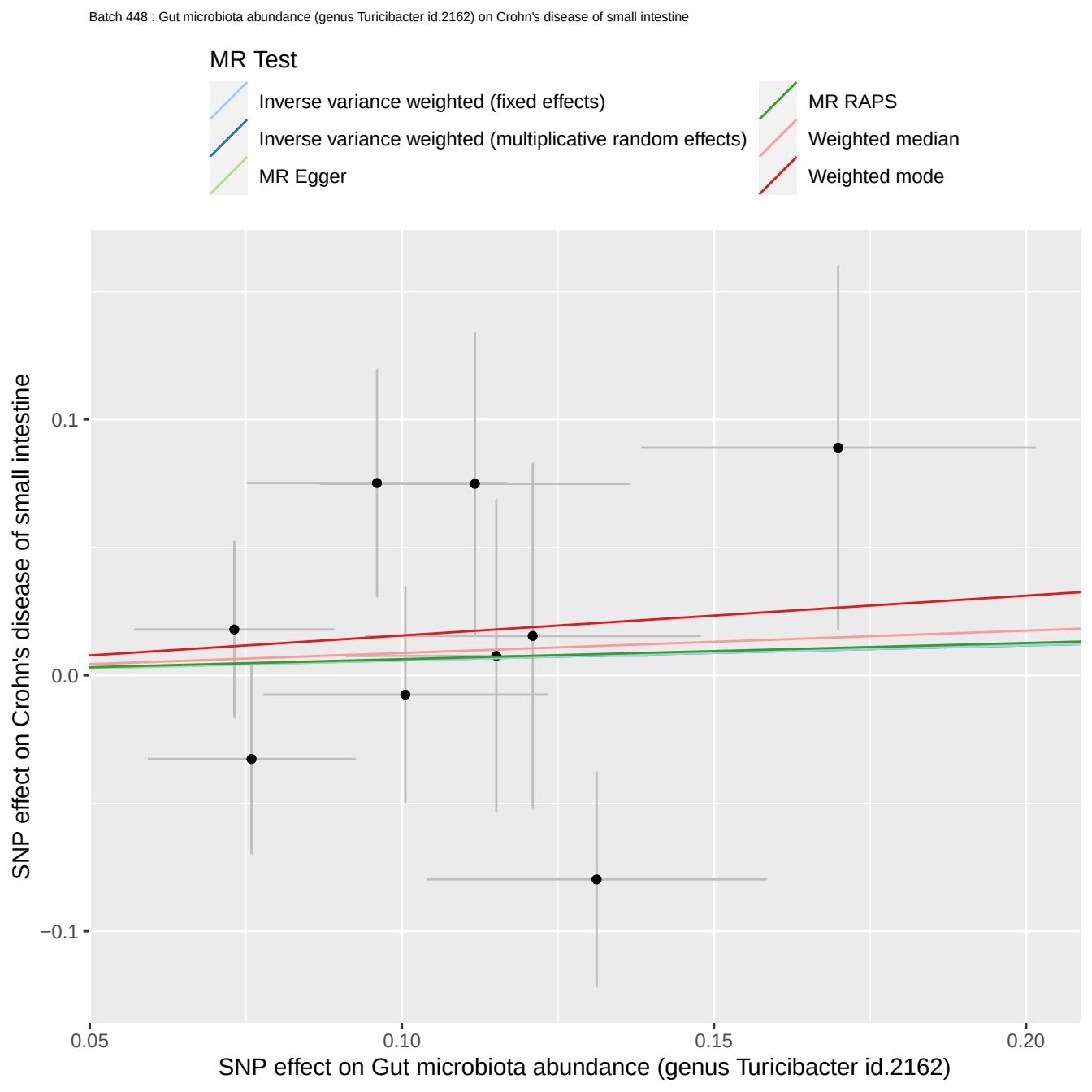


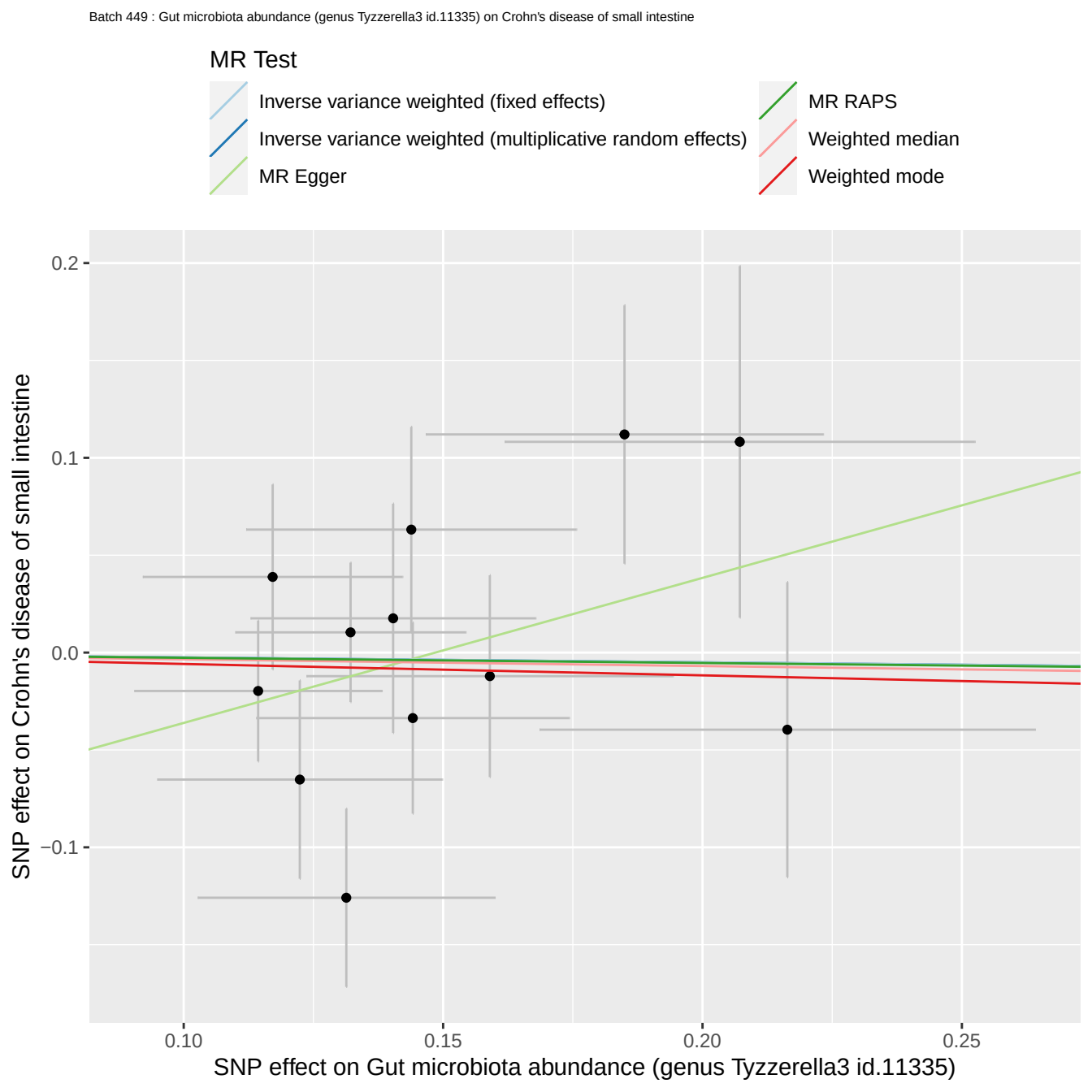

Batch 444 : Gut microbiota abundance (genus Streptococcus id.1853) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)


Batch 445 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

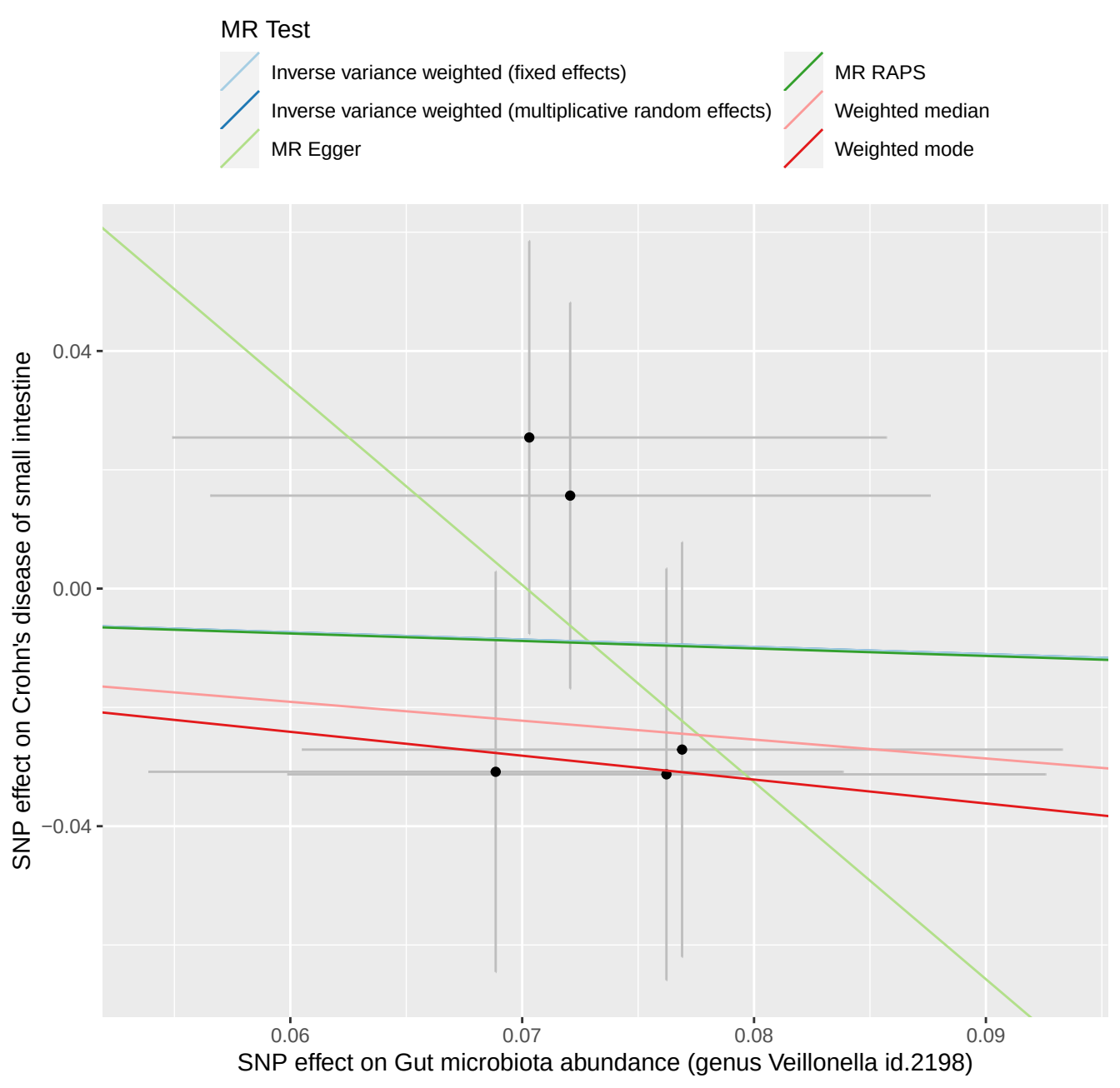

Batch 446 : Gut microbiota abundance (genus Sutterella id.2896) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

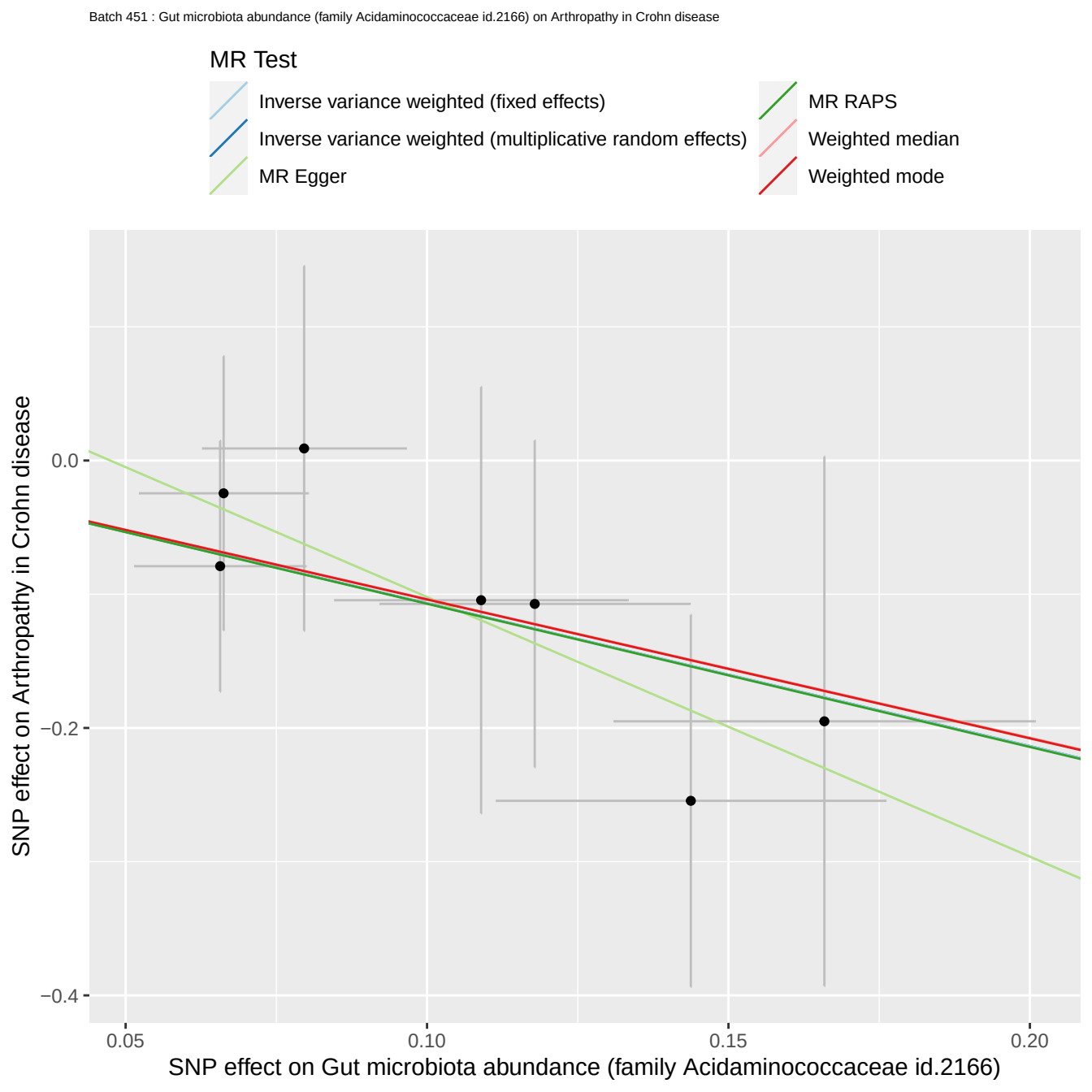

Batch 447 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.15
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

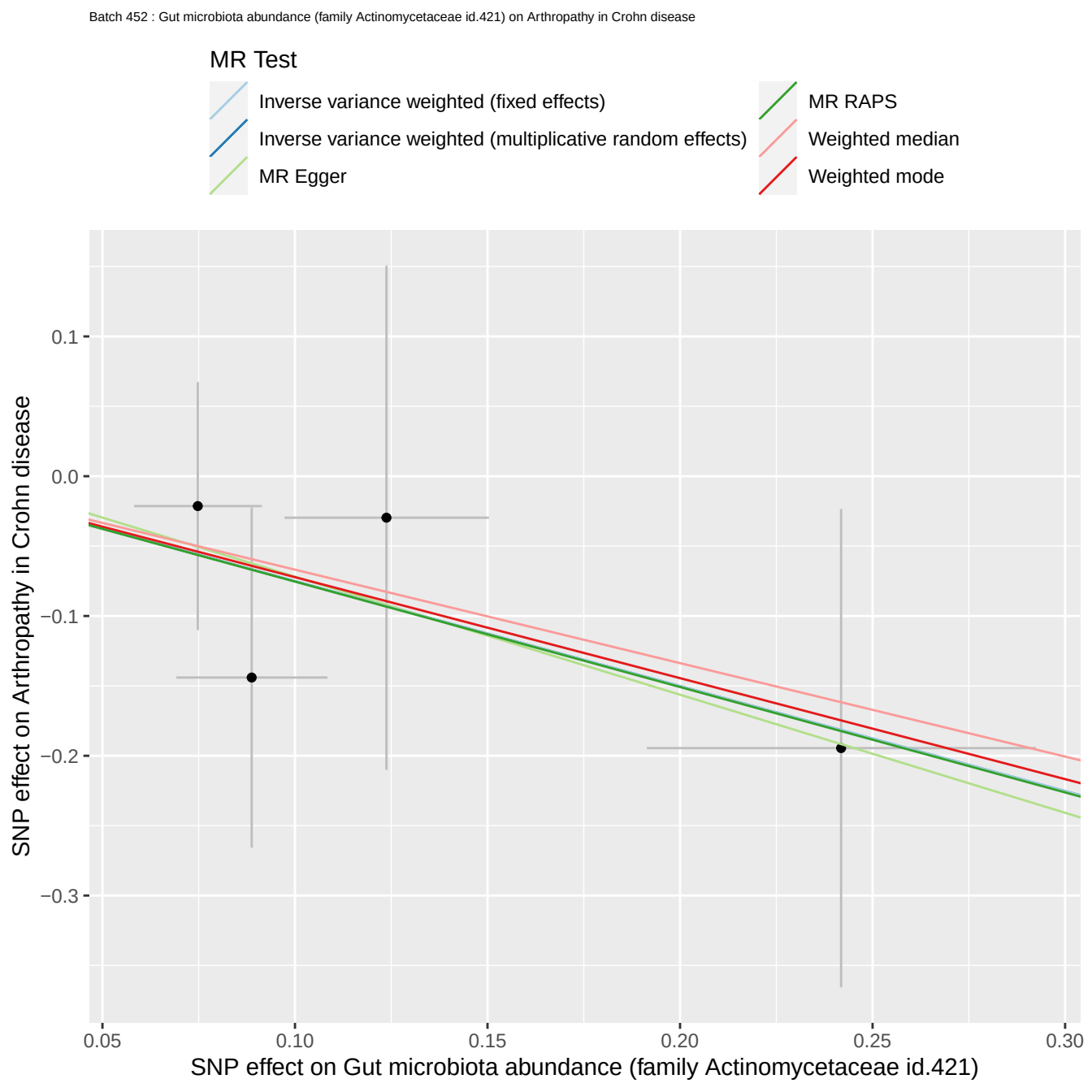

Batch 448 : Gut microbiota abundance (genus Turicibacter id.2162) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

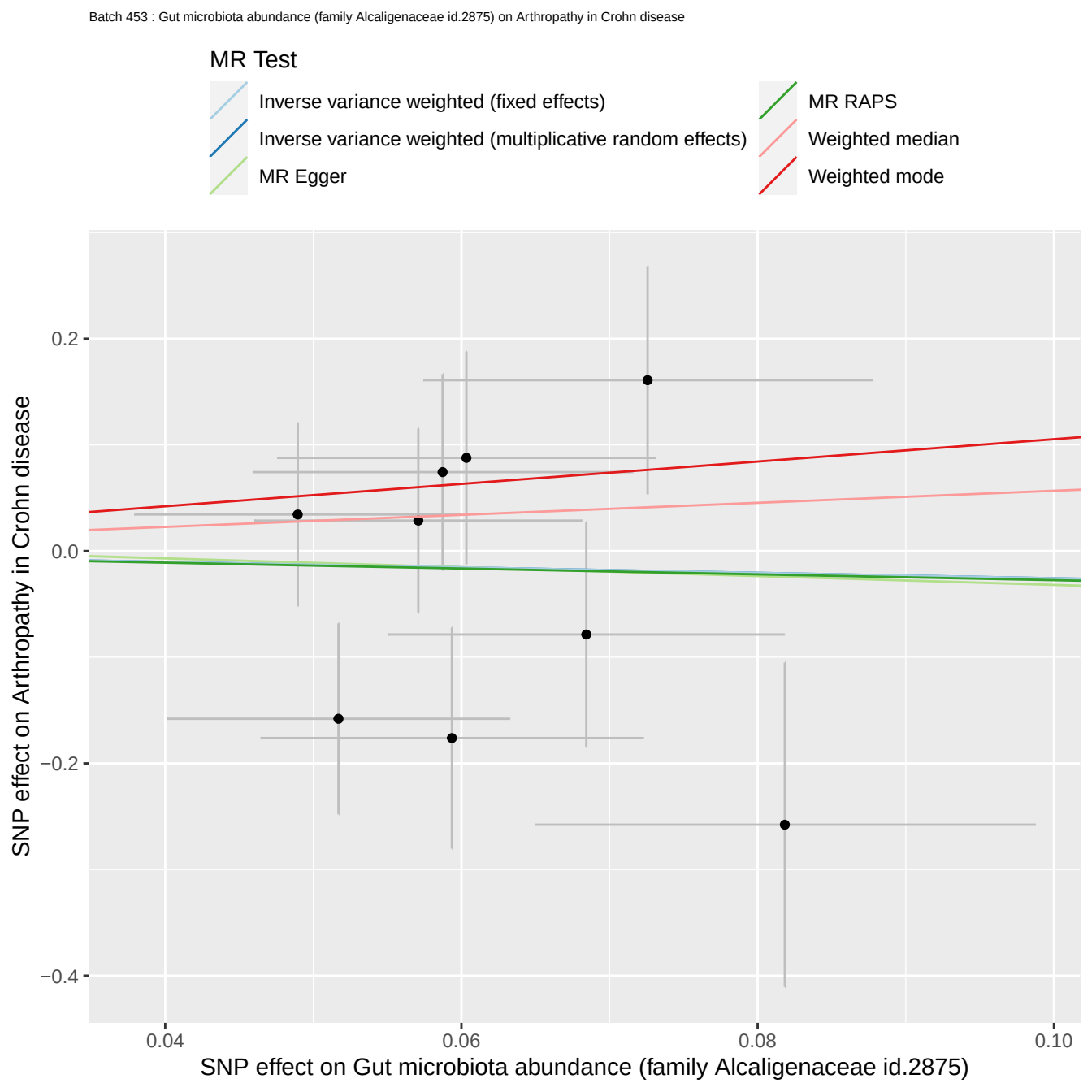

Batch 449 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Crohn's disease of small intestine
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Crohn's disease of small intestine
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

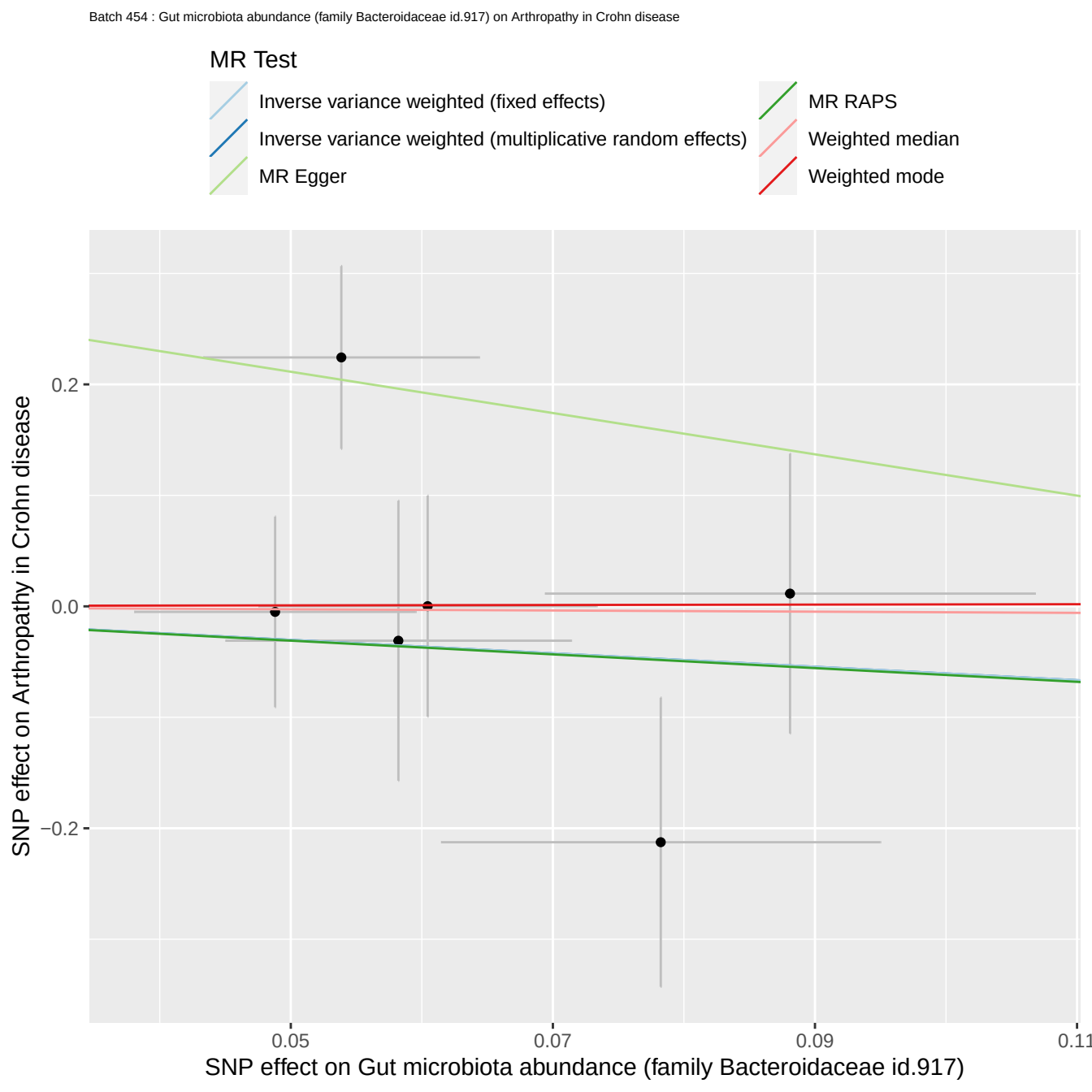
Batch 450 : Gut microbiota abundance (genus Veillonella id.2198) on Crohn's disease of small intestine

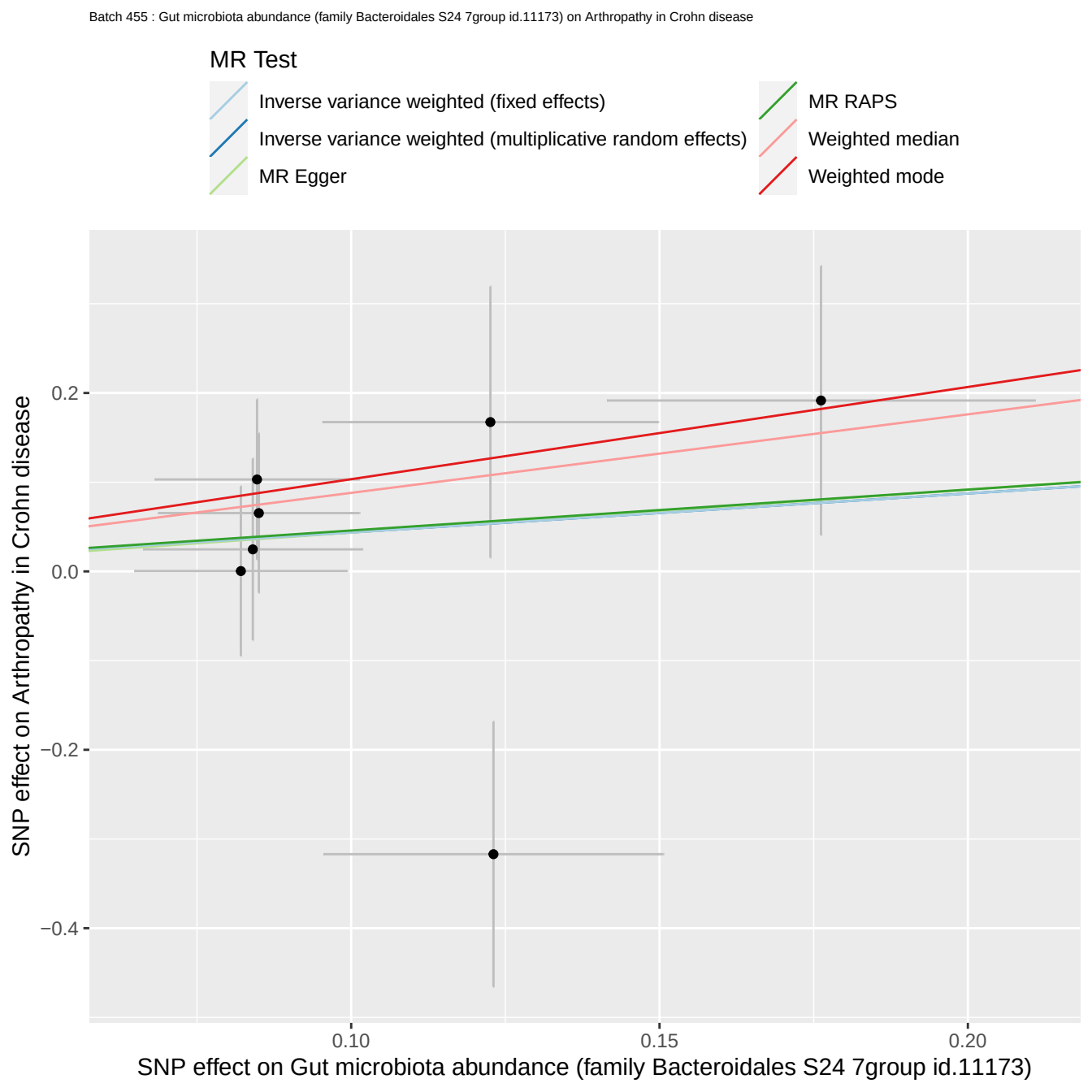



Batch 451 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

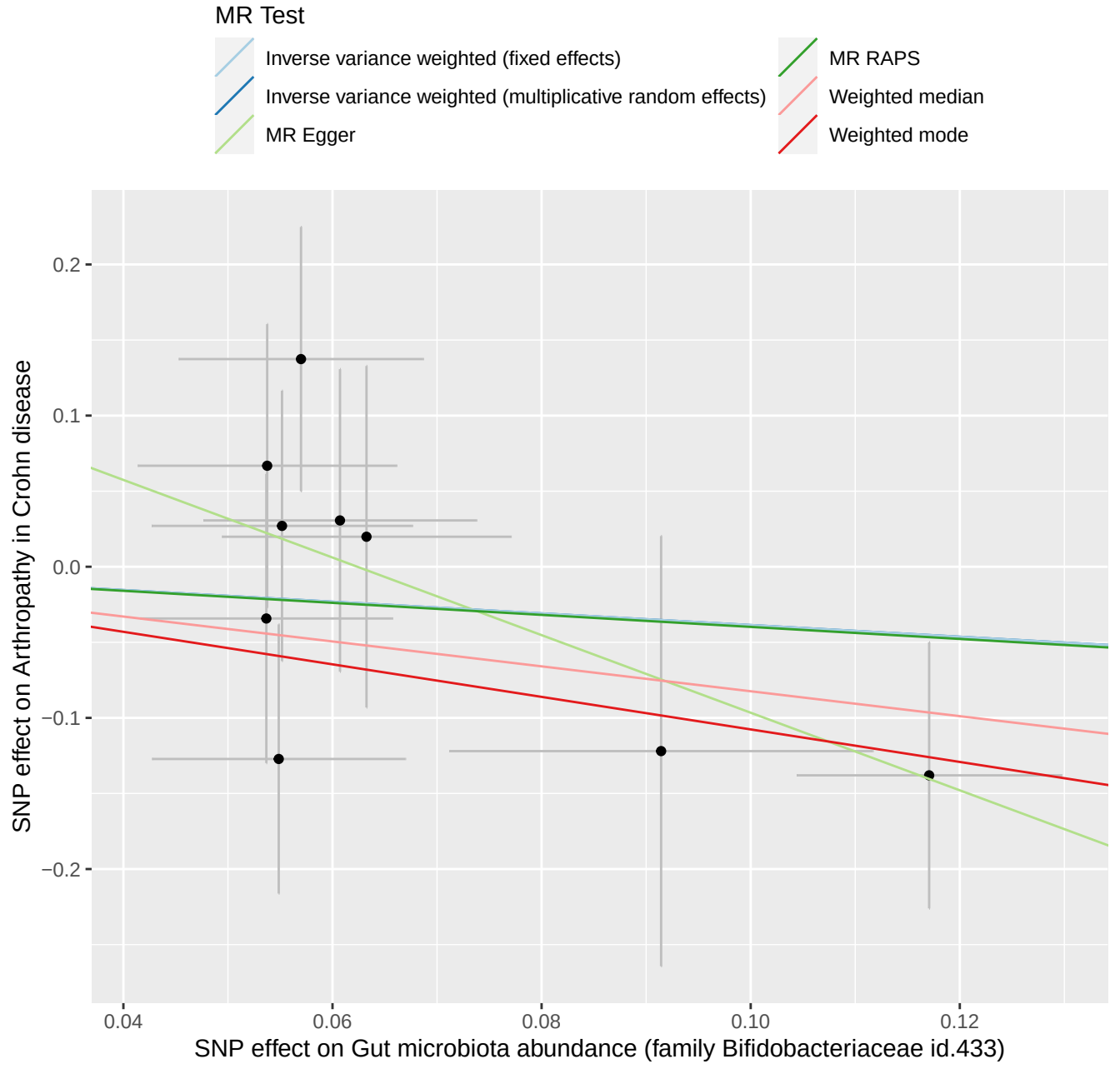

Batch 452 : Gut microbiota abundance (family Actinomycetaceae id.421) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)


Batch 453 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

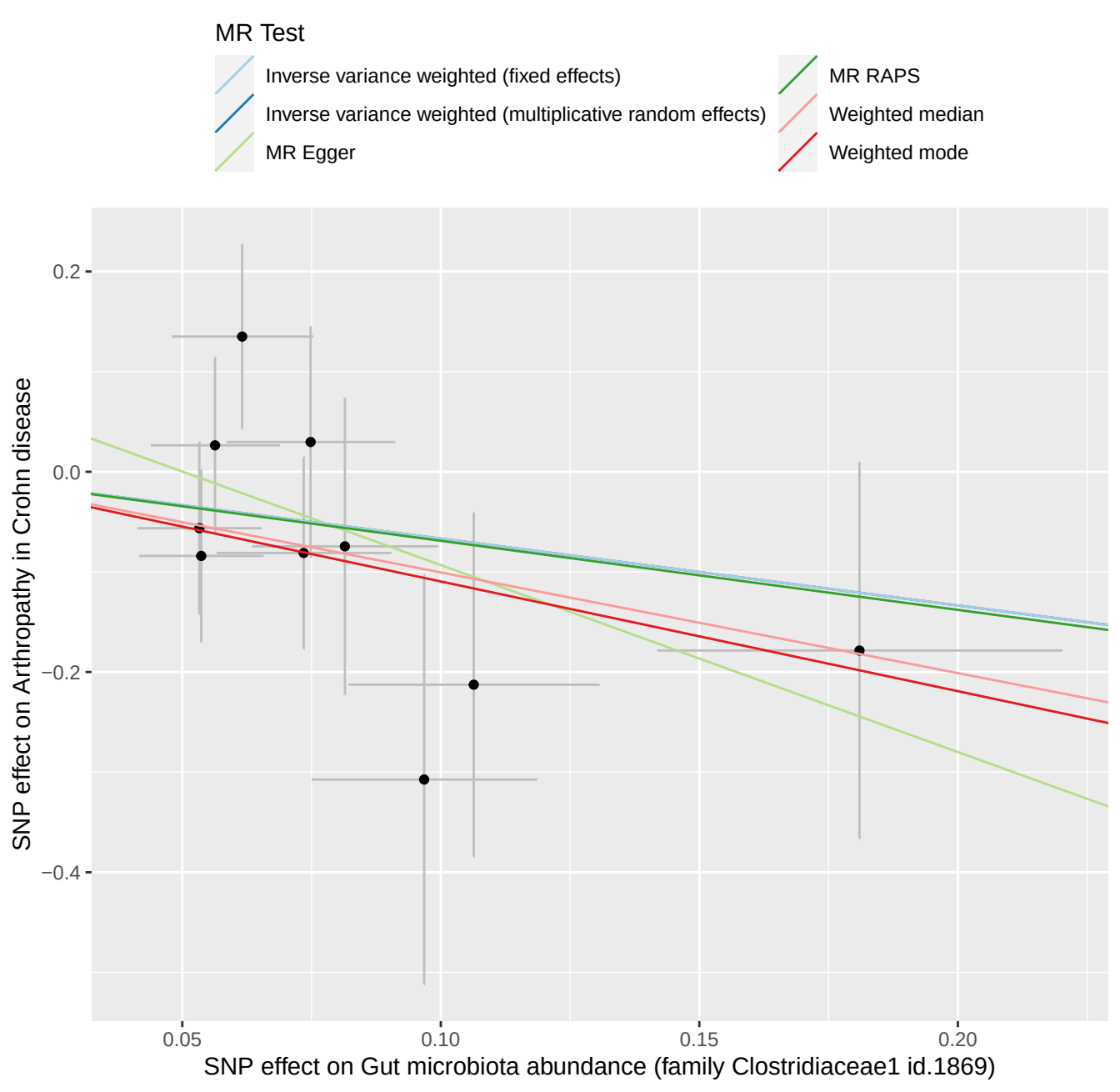

Batch 454 : Gut microbiota abundance (family Bacteroidaceae id.917) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

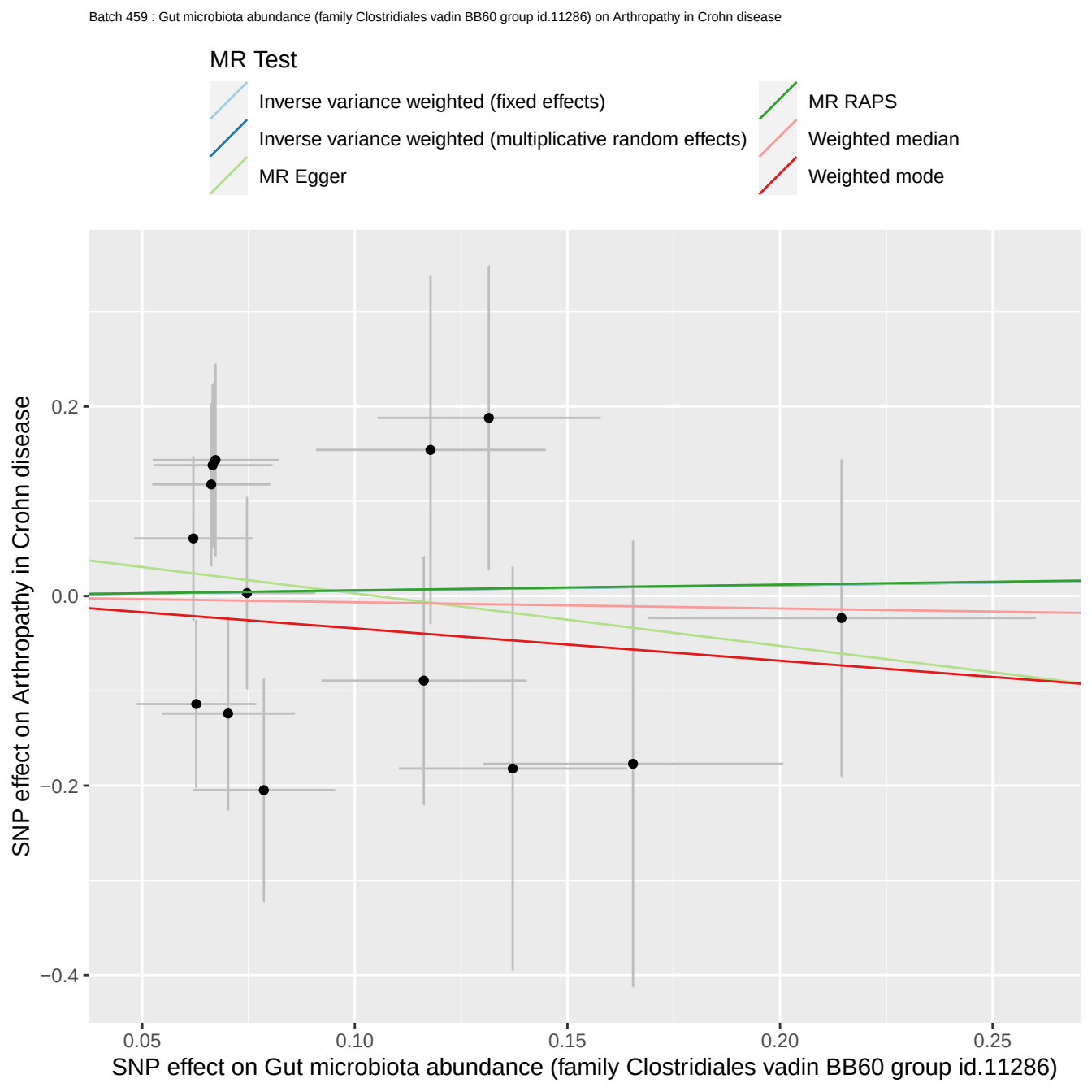

Batch 455 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

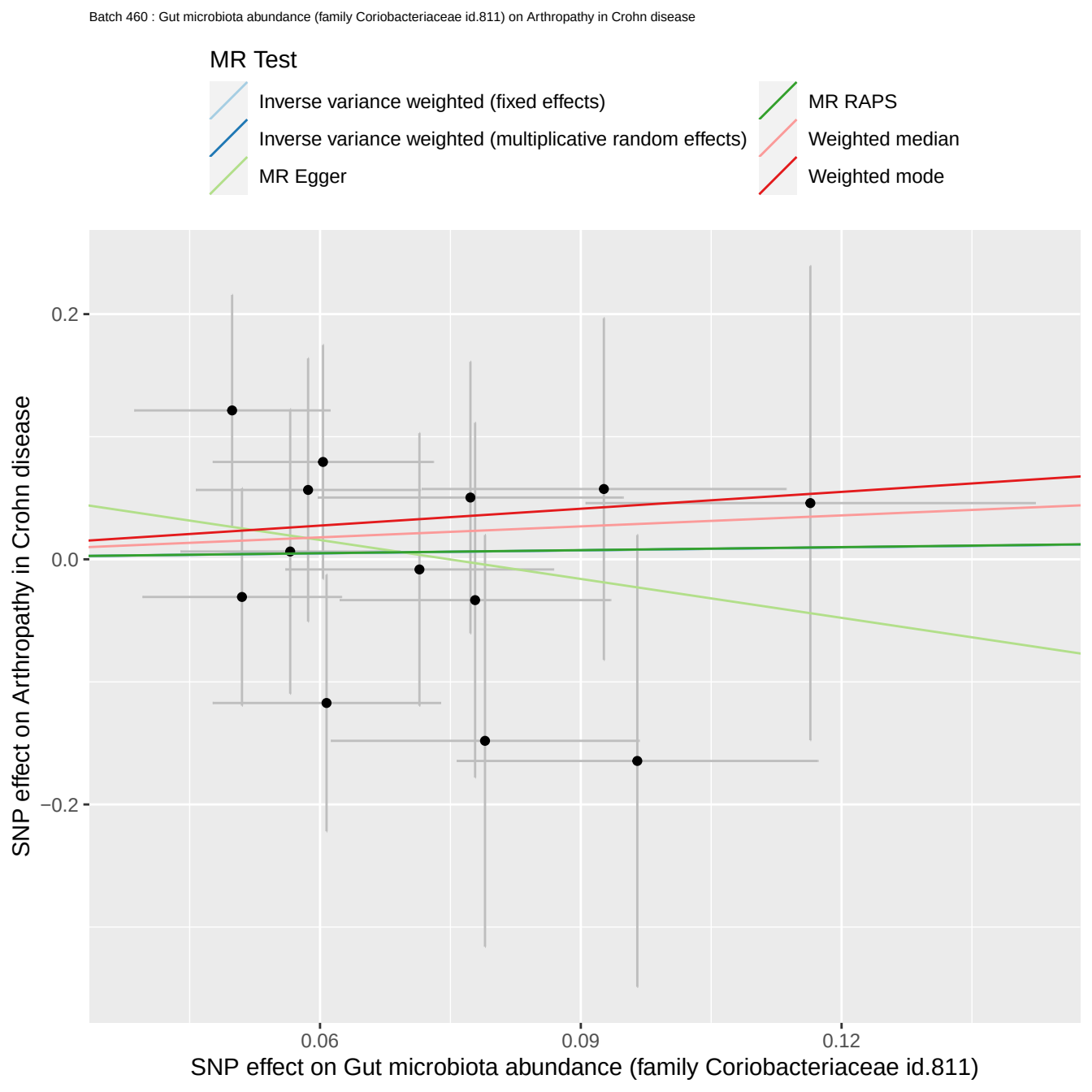
Batch 456 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Arthropathy in Crohn disease



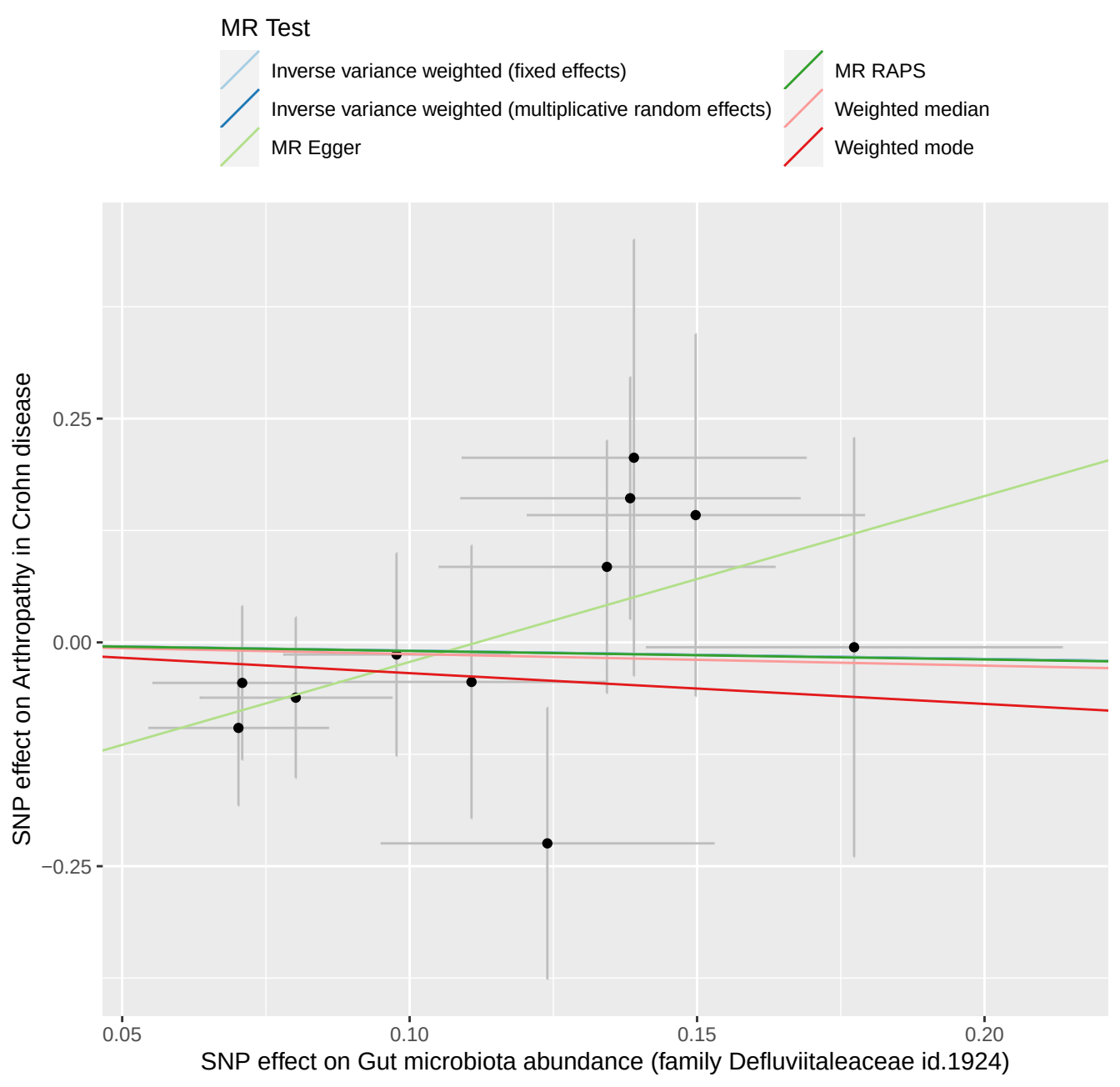
Batch 458 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Arthropathy in Crohn disease

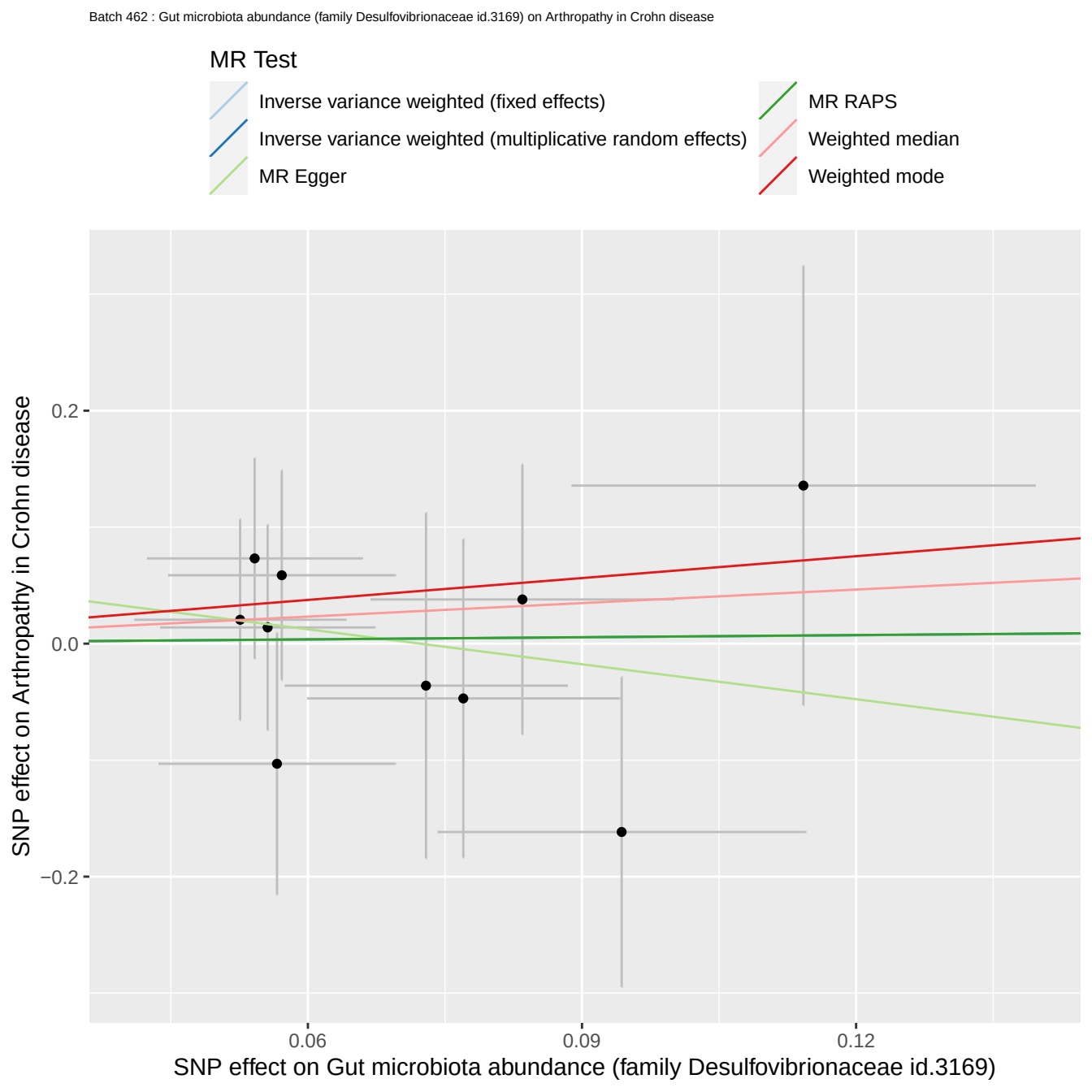


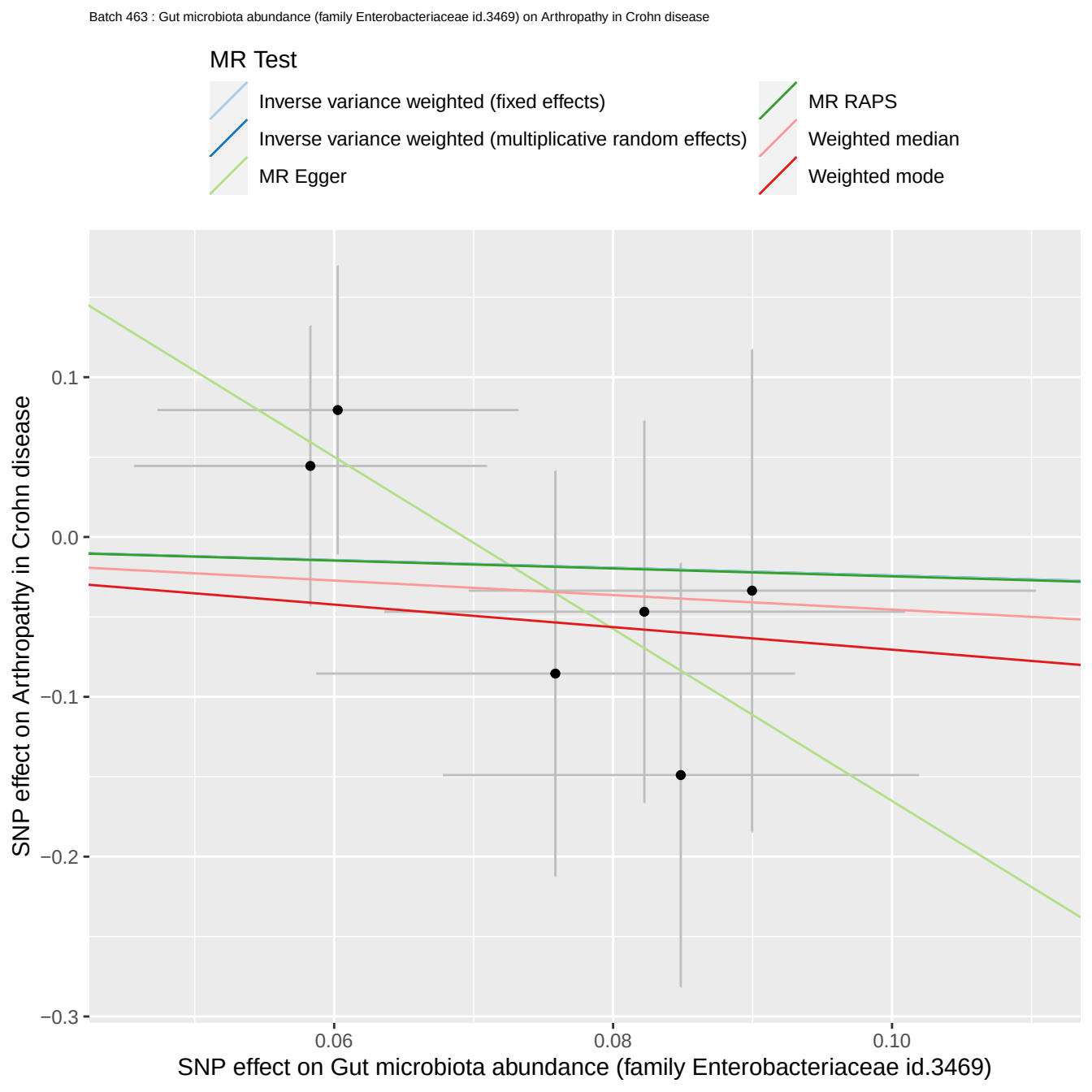

Batch 459 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

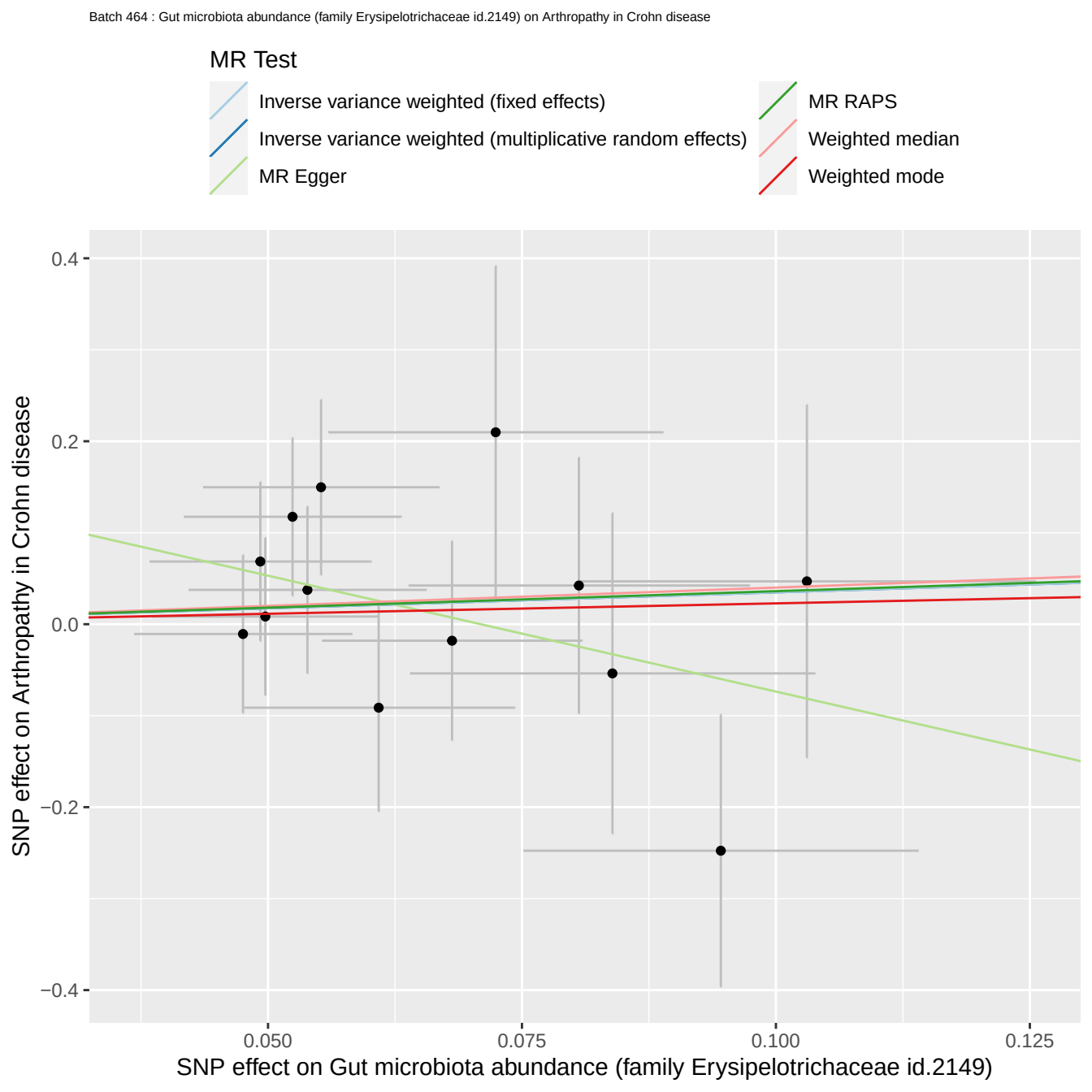

Batch 460 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

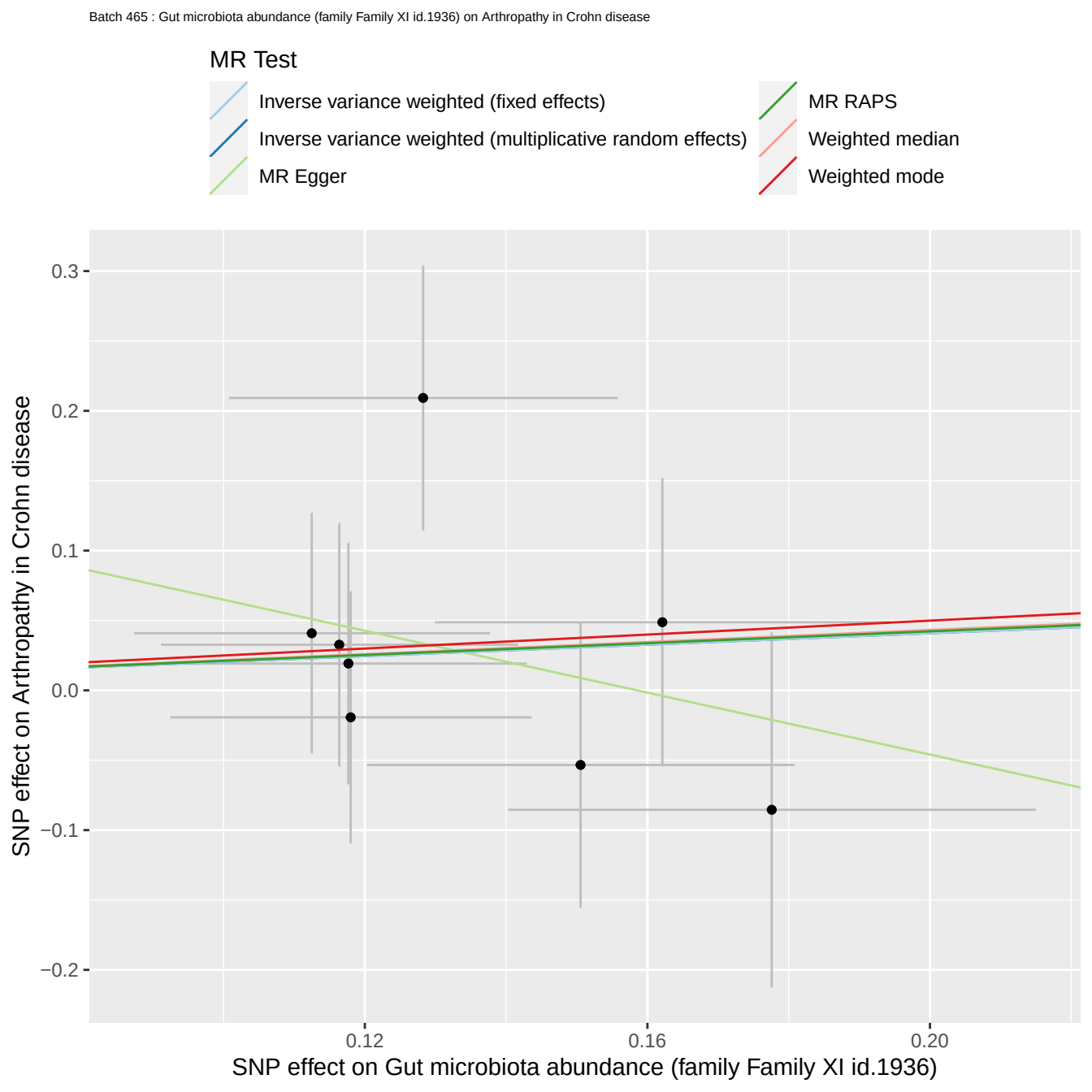
Batch 461 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Arthropathy in Crohn disease



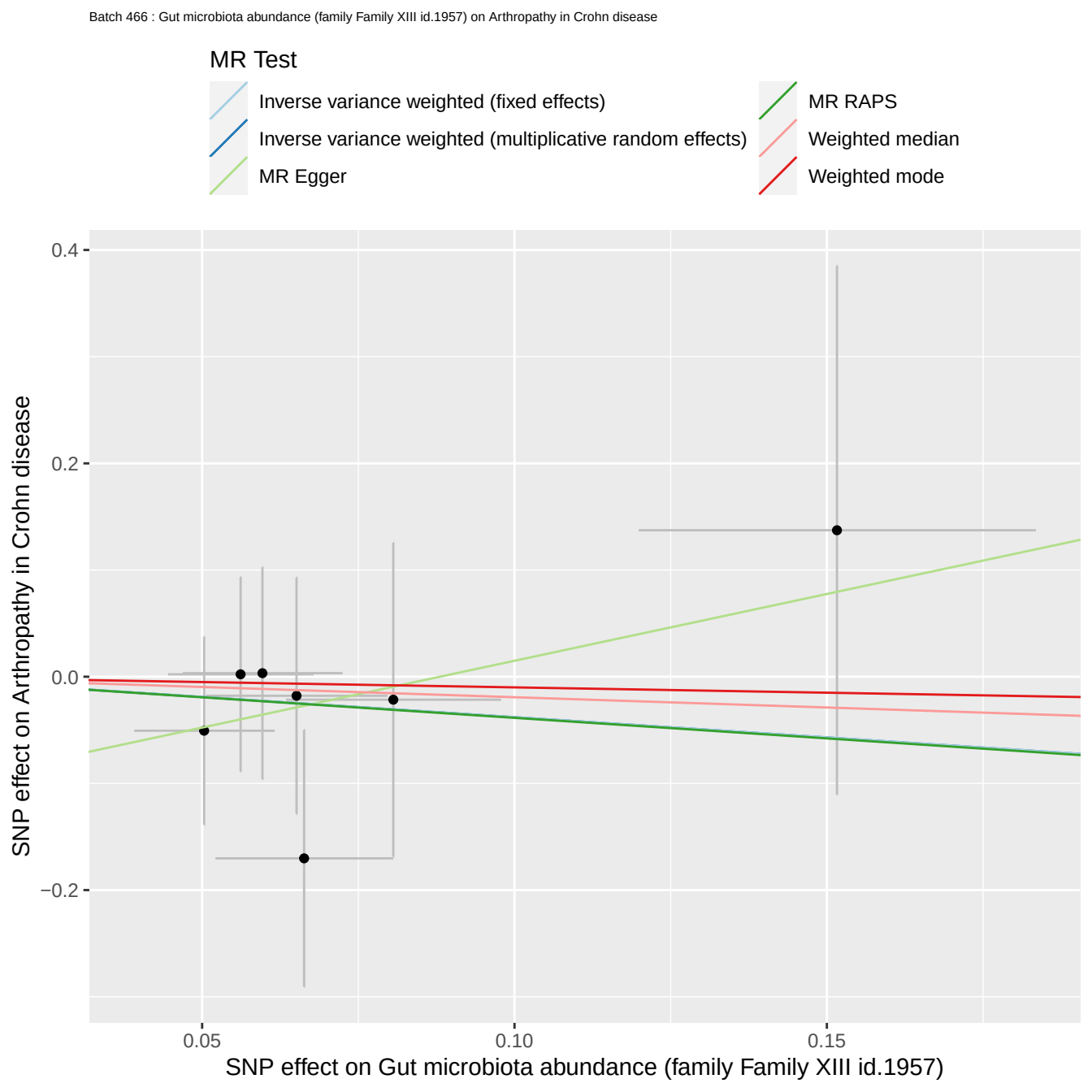

Batch 462 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

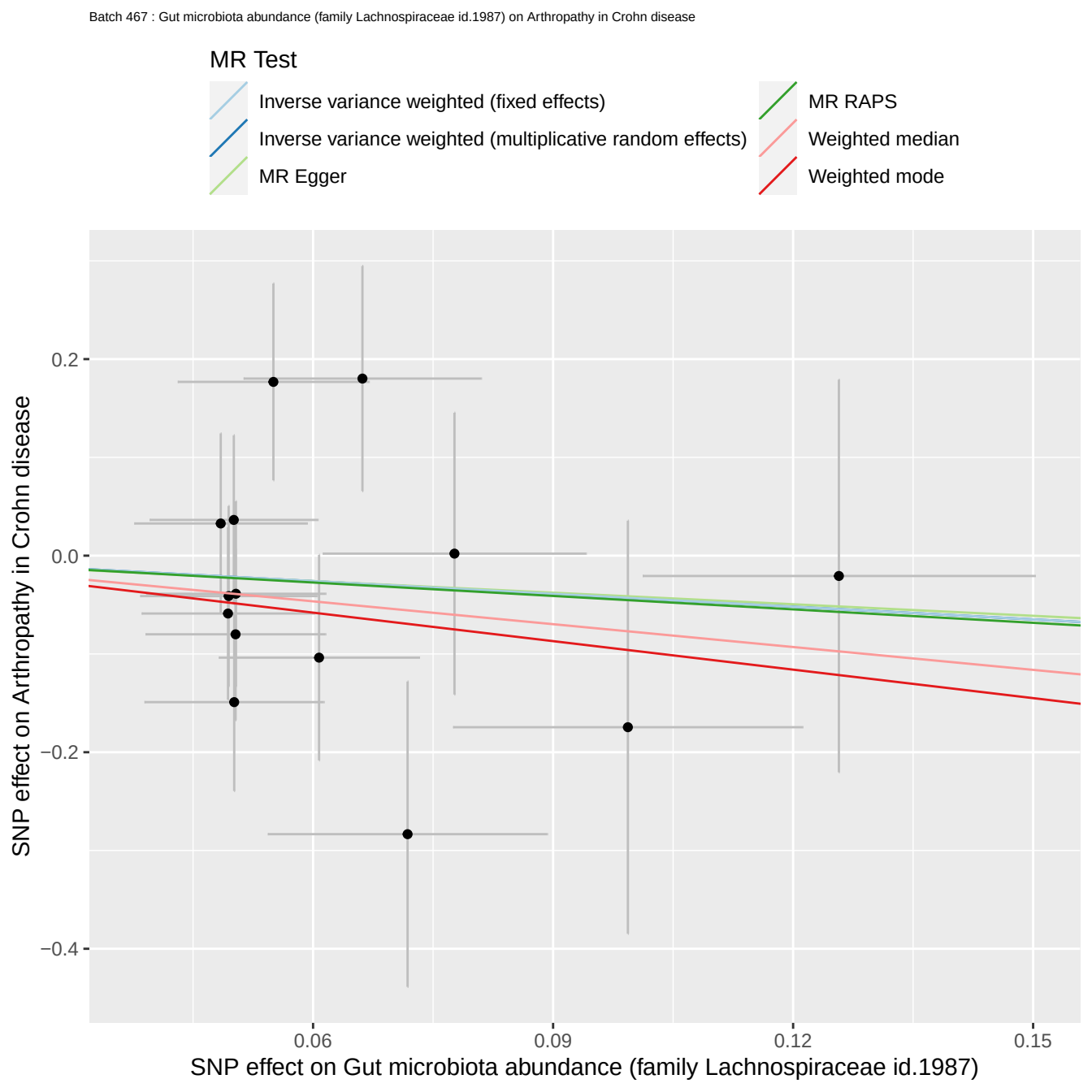

Batch 463 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.1
0.0
−0.1
−0.2
−0.3
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

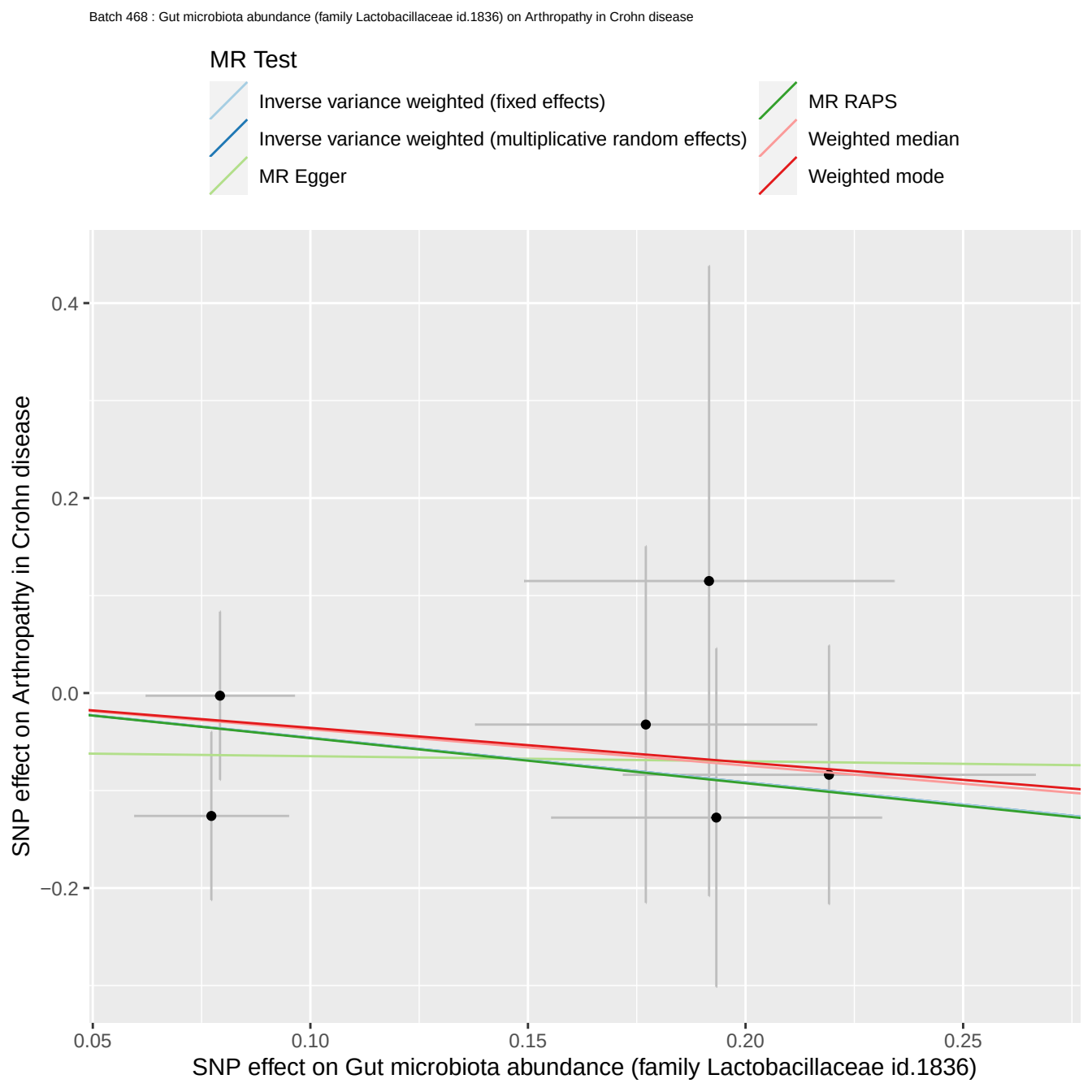

Batch 464 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
−0.4
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Erysipelotrichaceae id.2149)


Batch 465 : Gut microbiota abundance (family Family XI id.1936) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.3
0.2
0.1
0.0
−0.1
−0.2
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

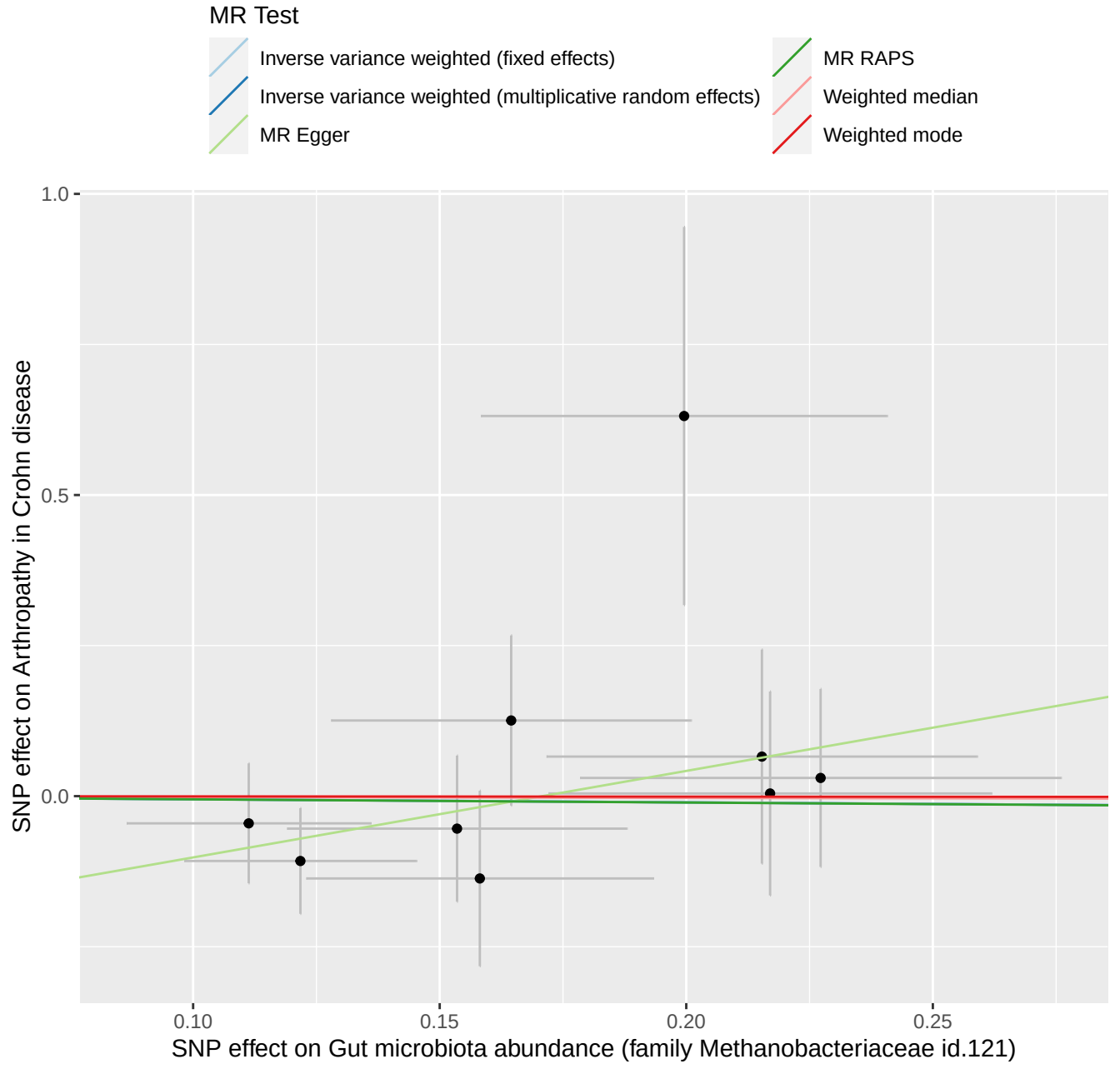
Batch 466 : Gut microbiota abundance (family Family XIII id.1957) on Arthropathy in Crohn disease



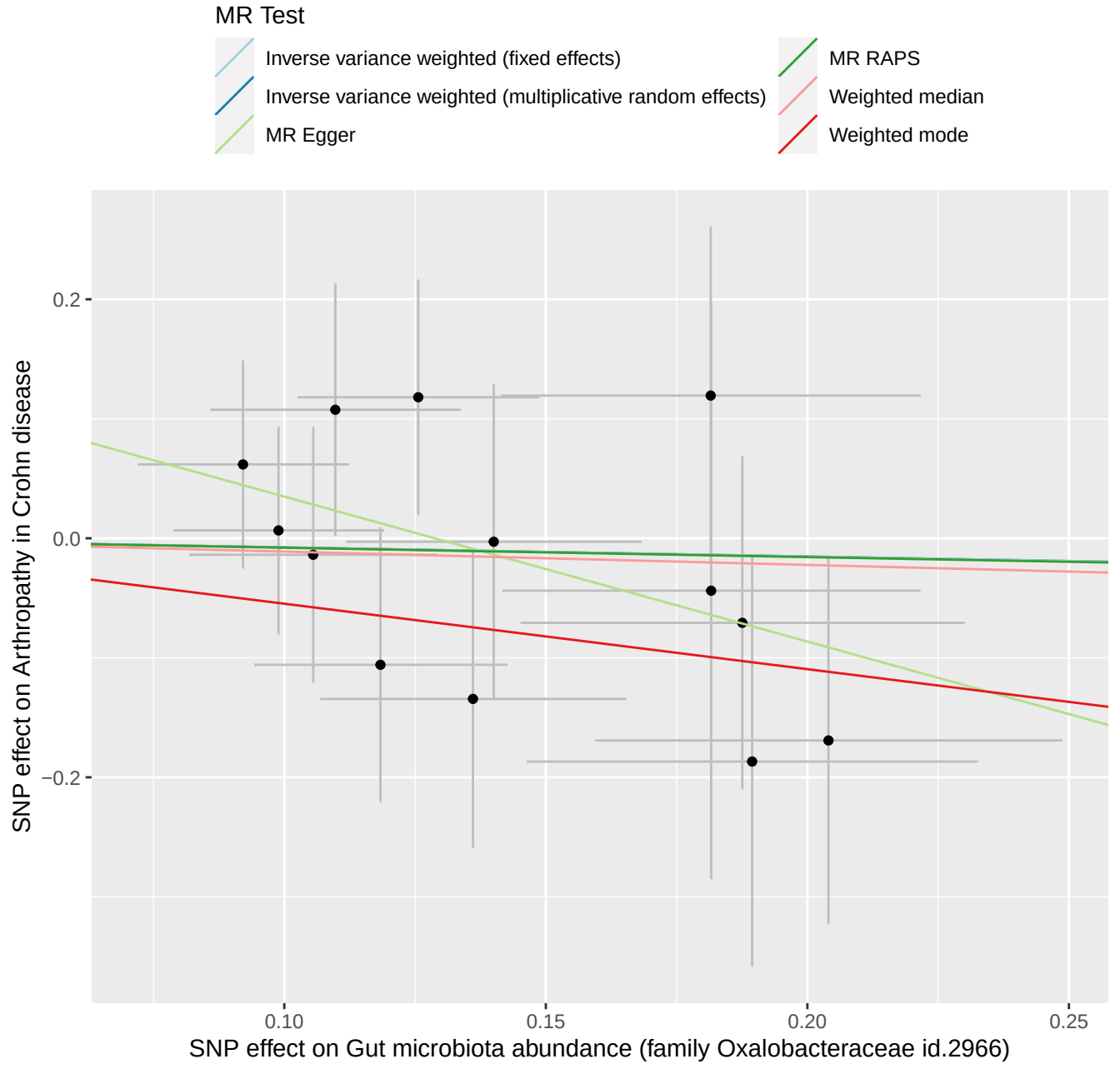

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)

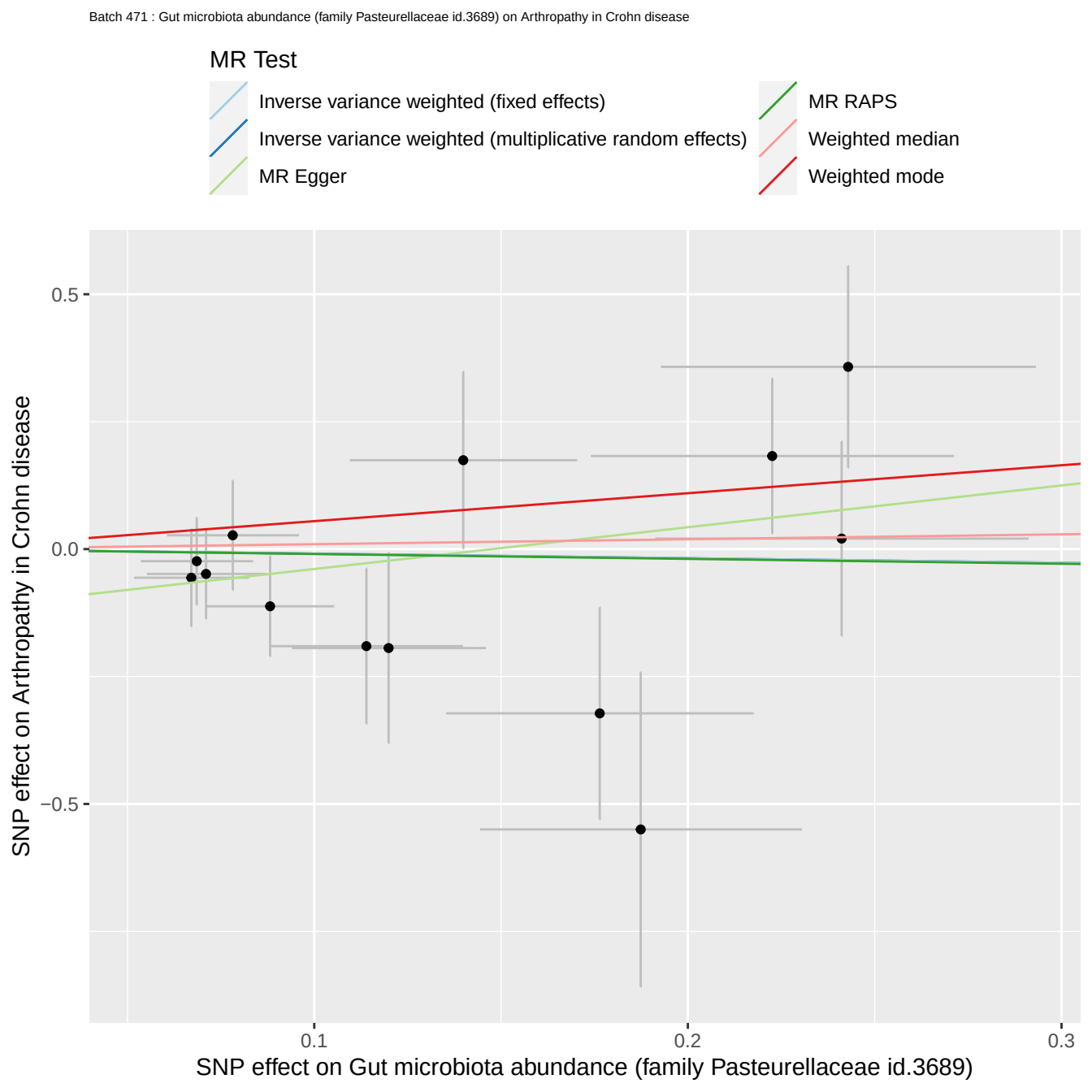

Batch 468 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

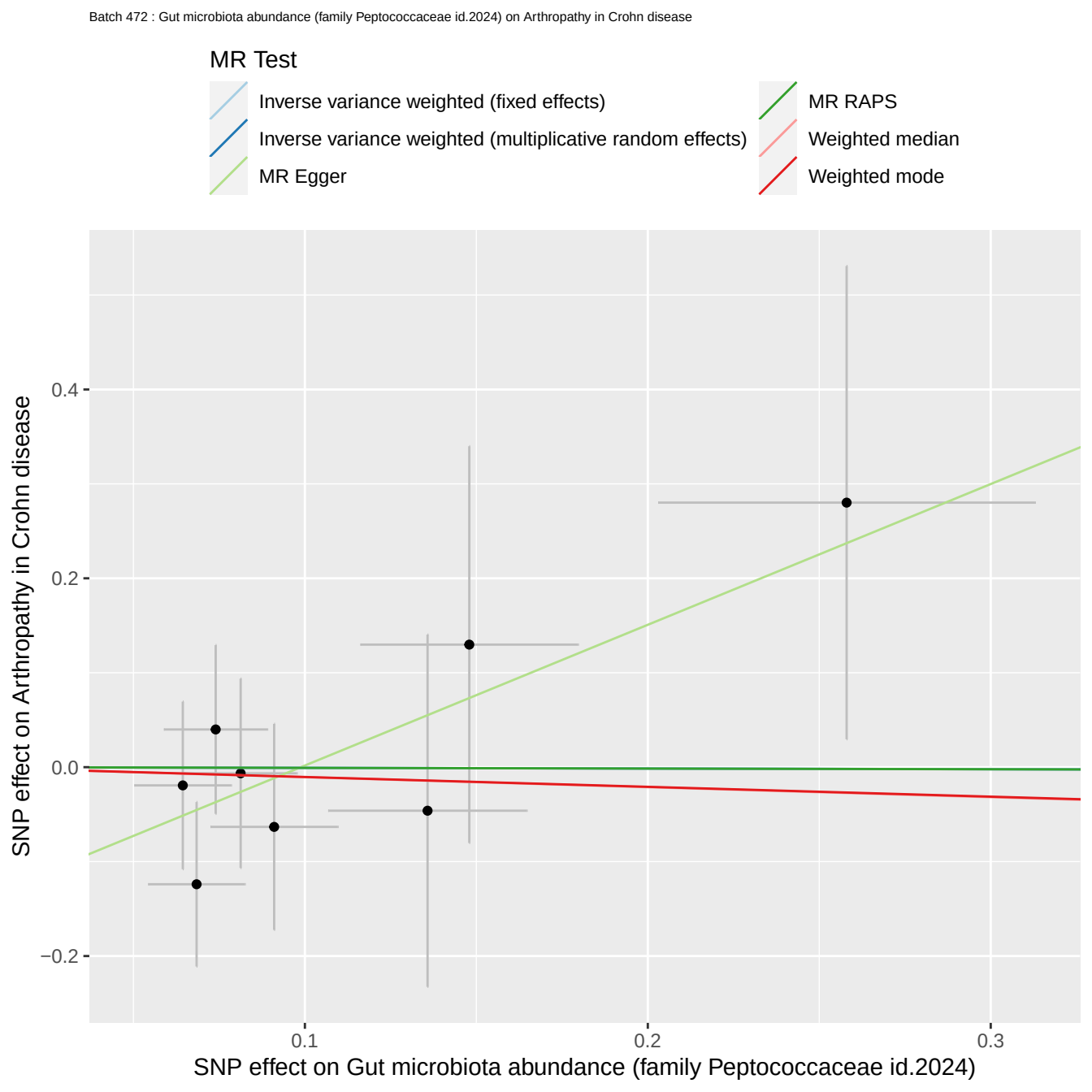
Batch 469 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Arthropathy in Crohn disease

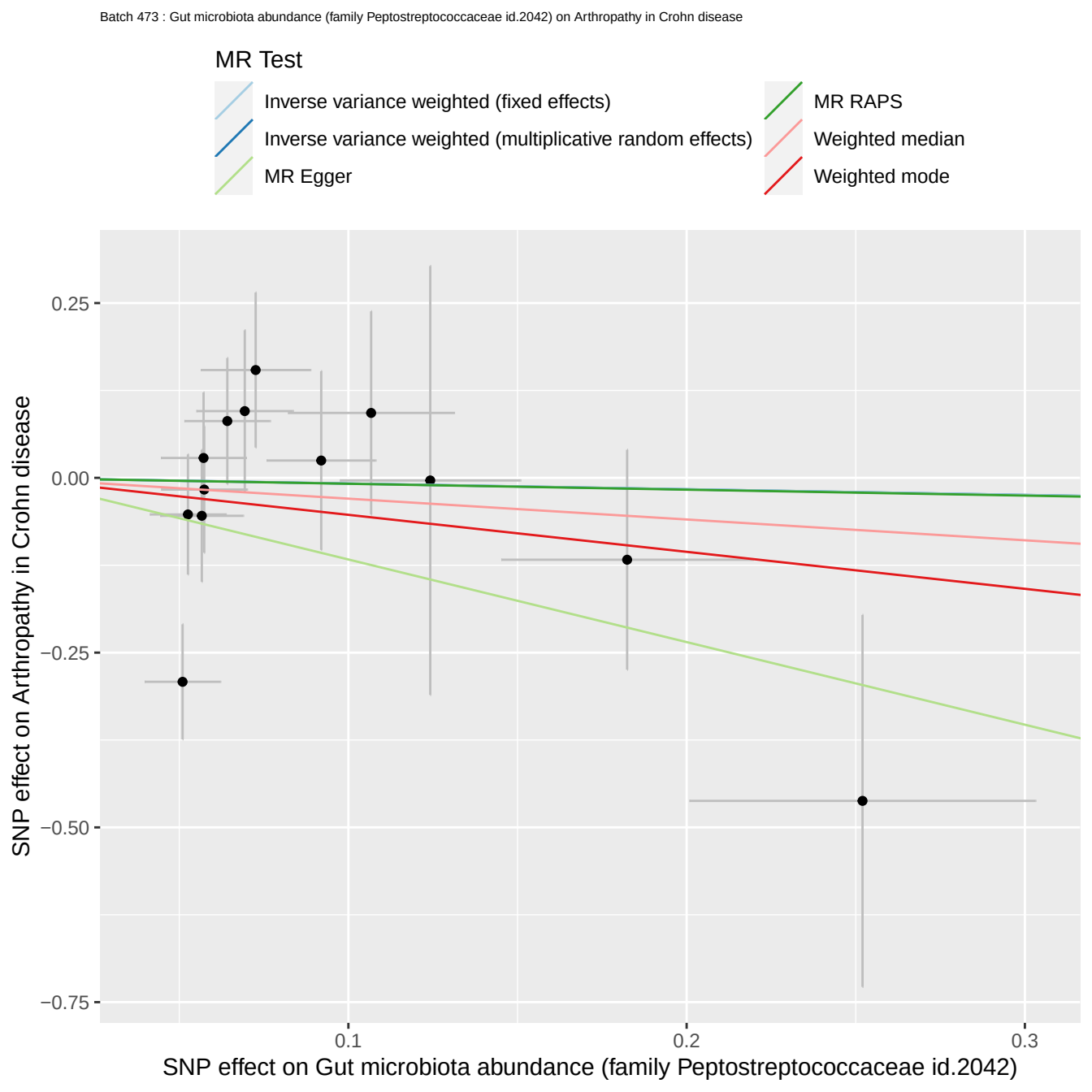


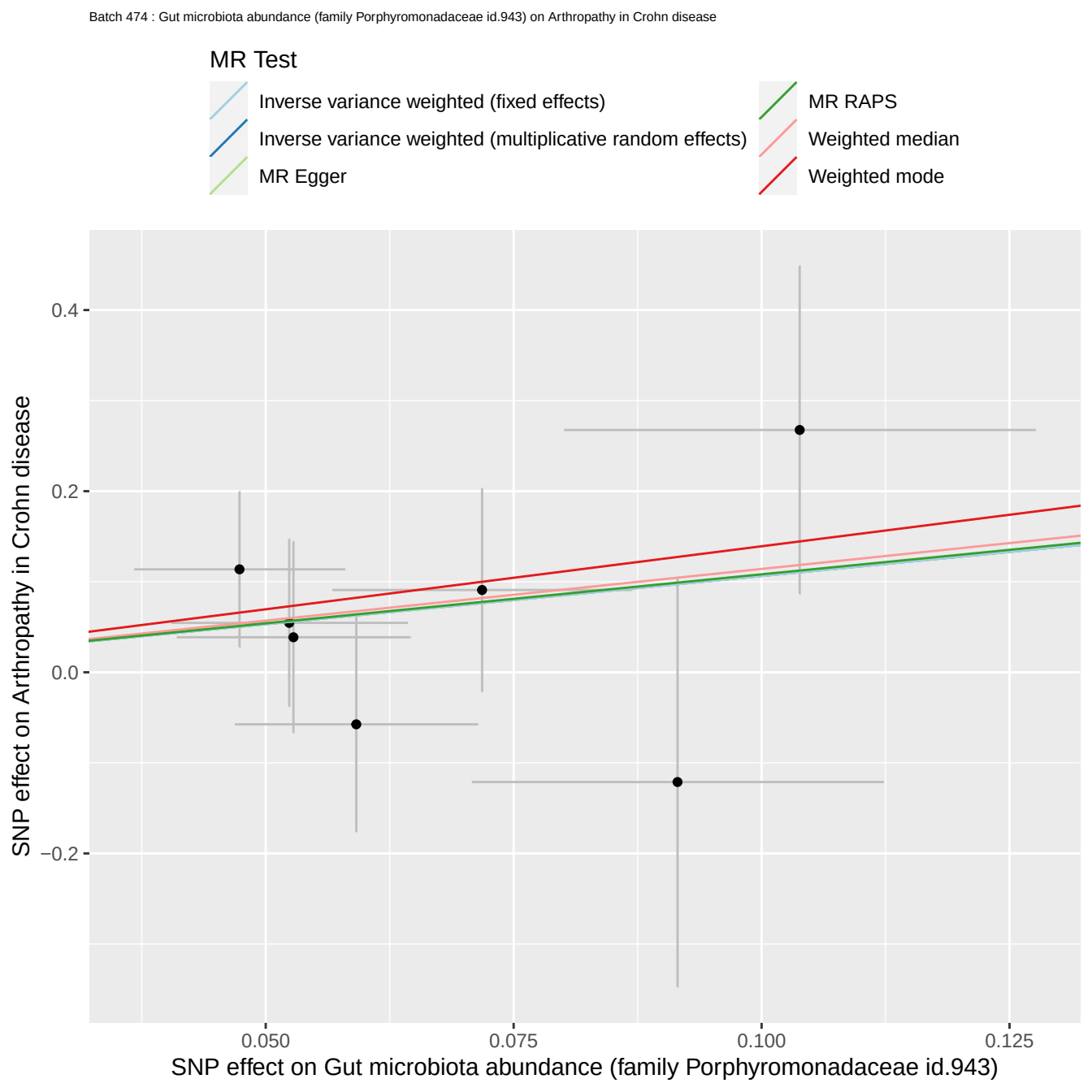
Batch 470 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Arthropathy in Crohn disease



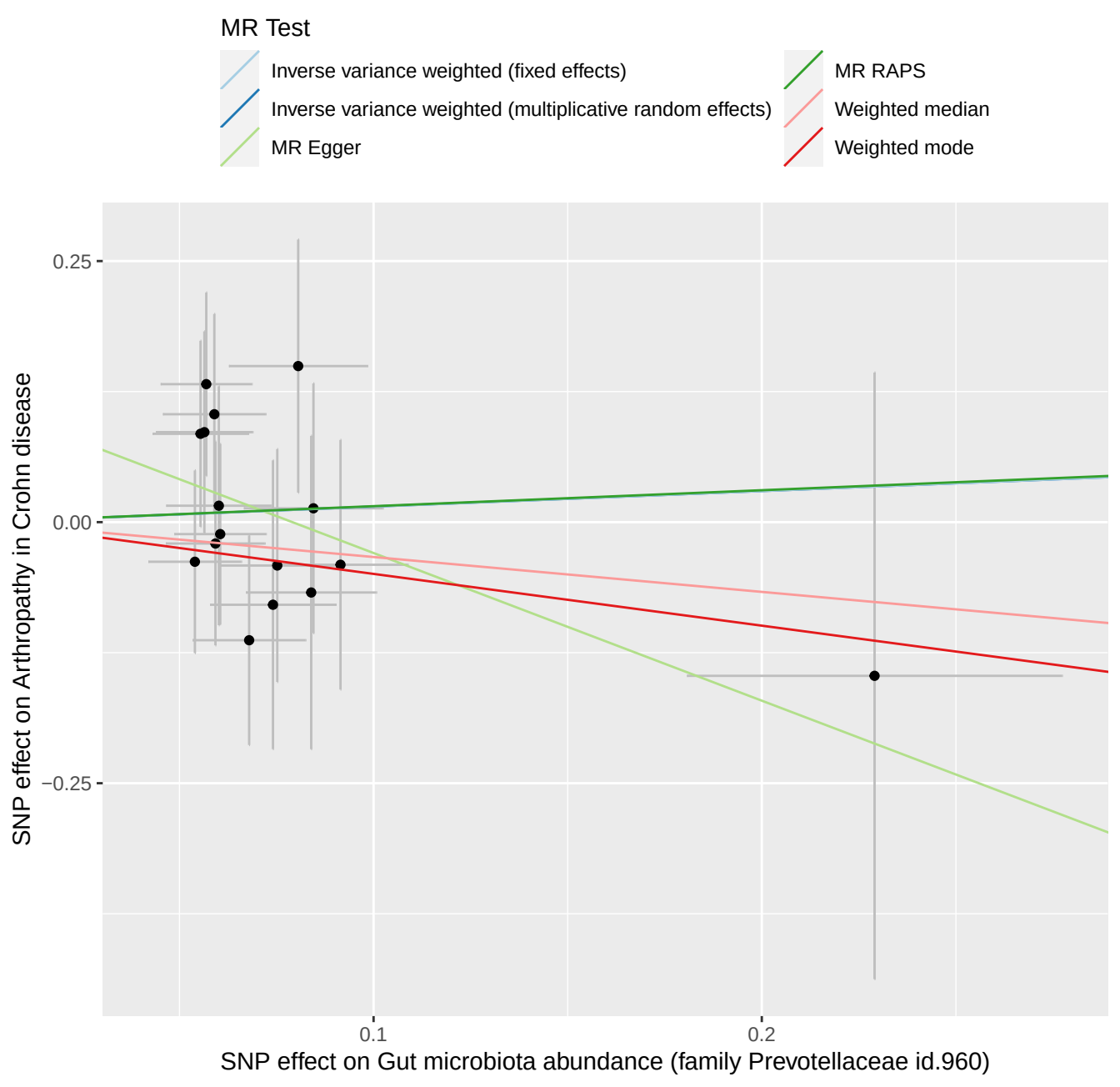

Batch 471 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.5
0.0
−0.5
SNP effect on Arthropathy in Crohn disease
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)

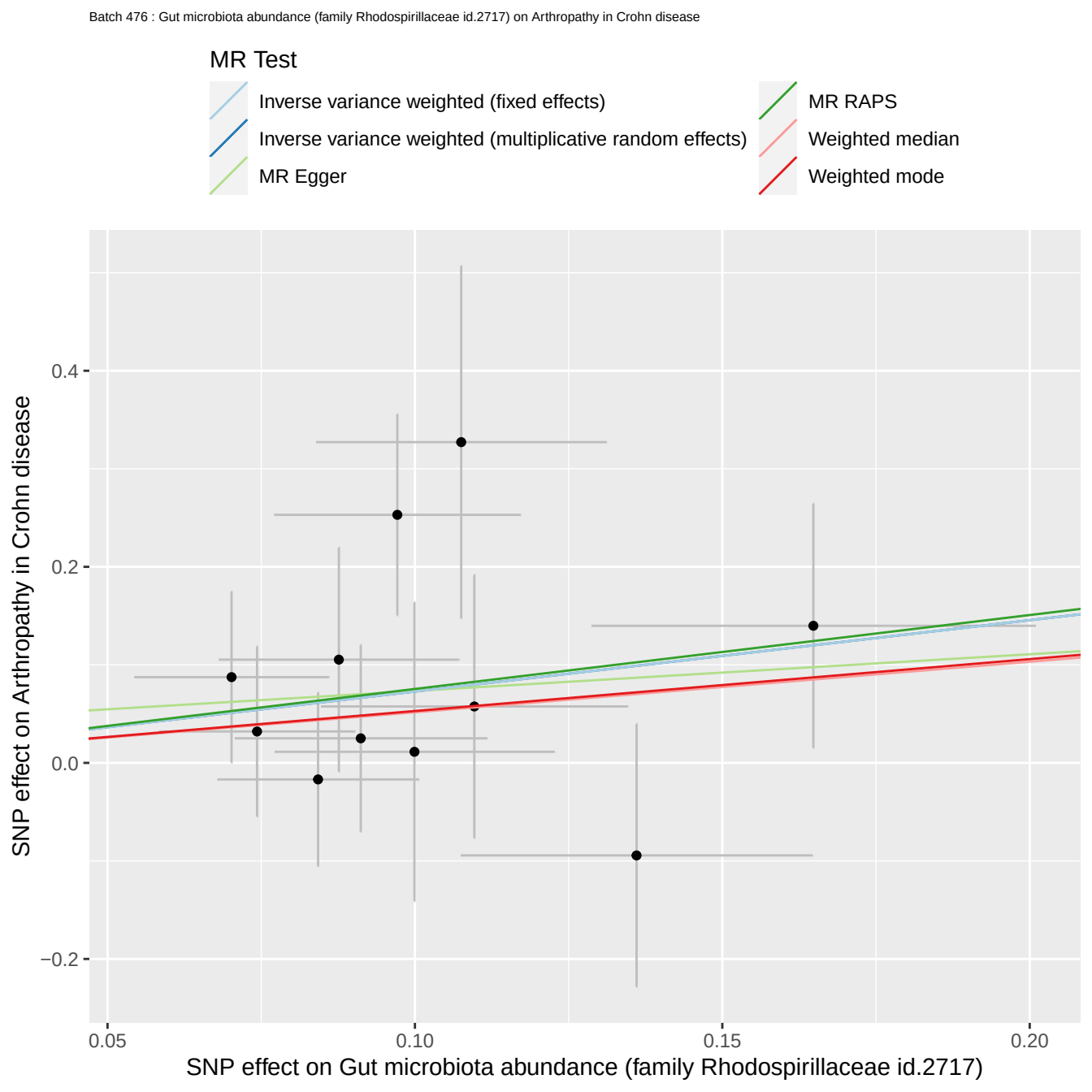

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
−0.75
0.1
0.2
0.3
SNP effect on Arthropathy in Crohn disease
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)


Batch 474 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

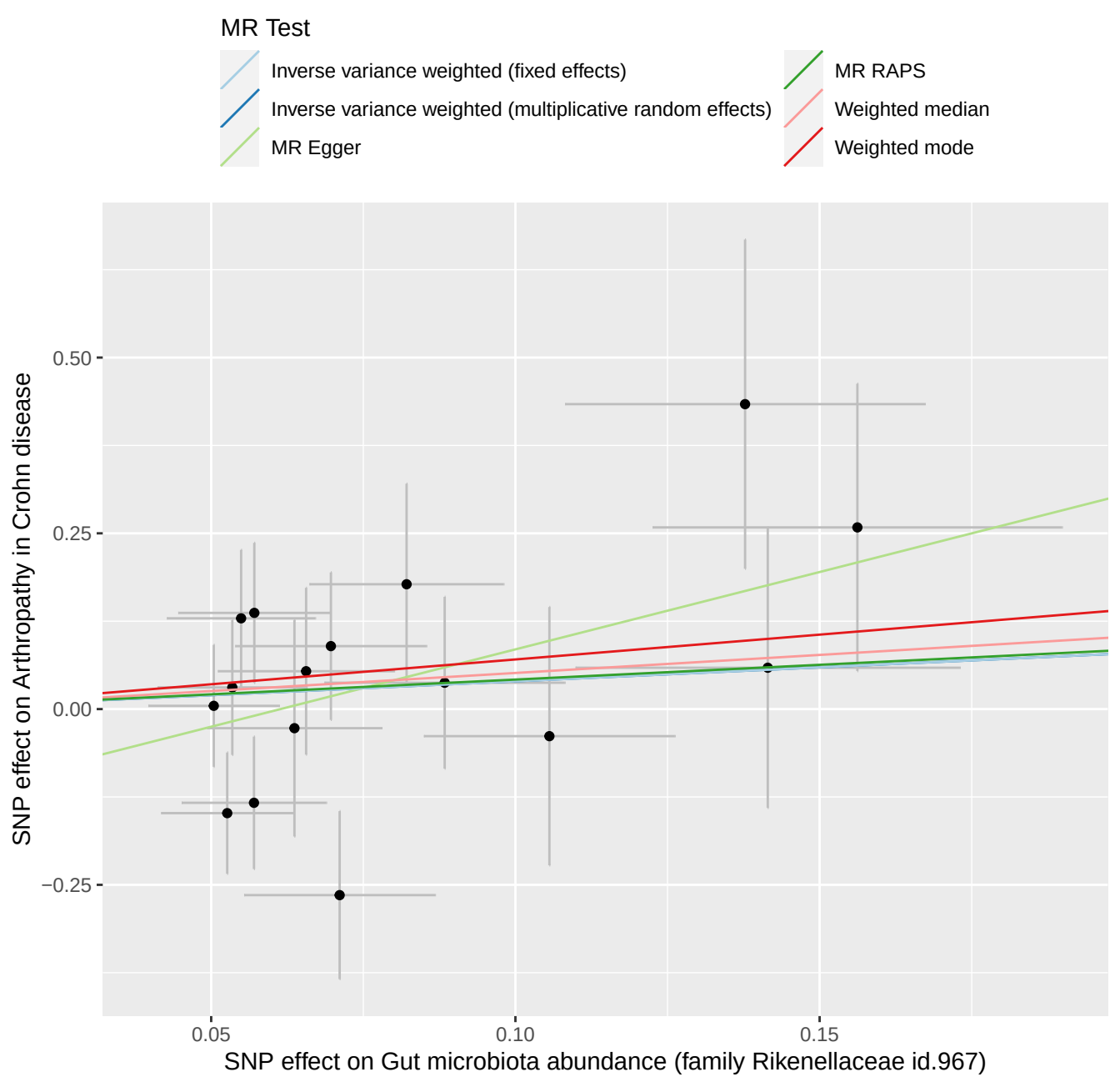
Batch 475 : Gut microbiota abundance (family Prevotellaceae id.960) on Arthropathy in Crohn disease



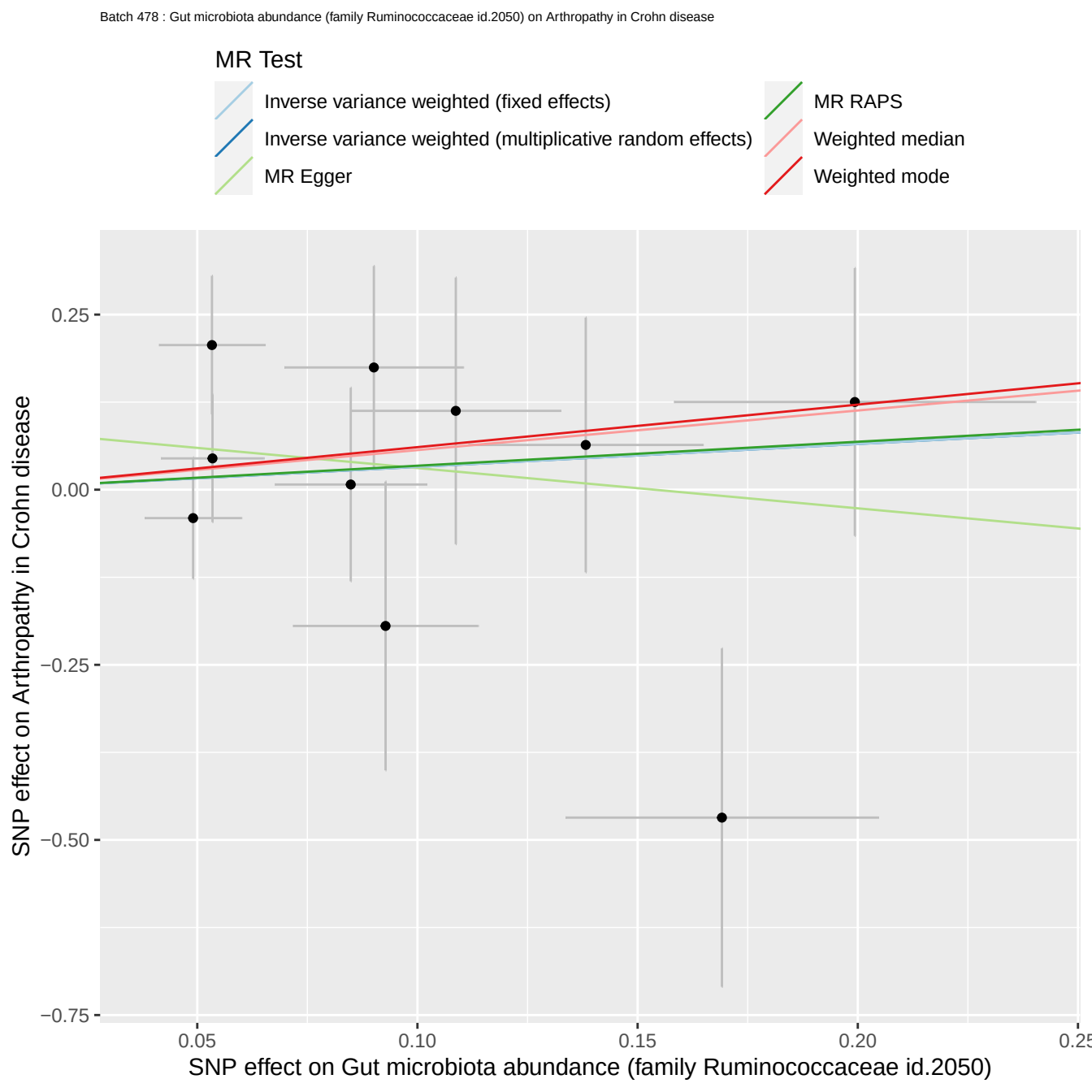
Batch 476 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Arthropathy in Crohn disease

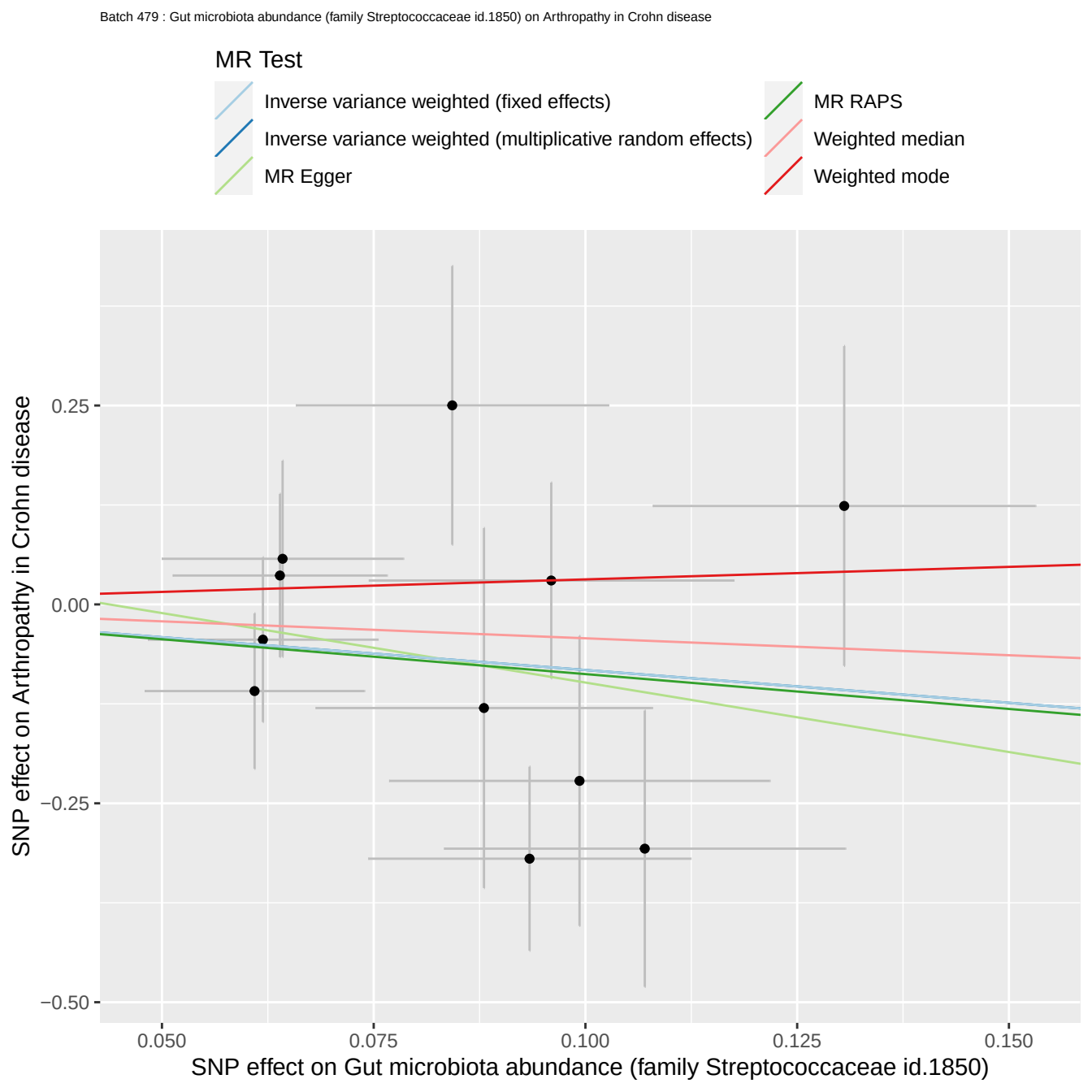


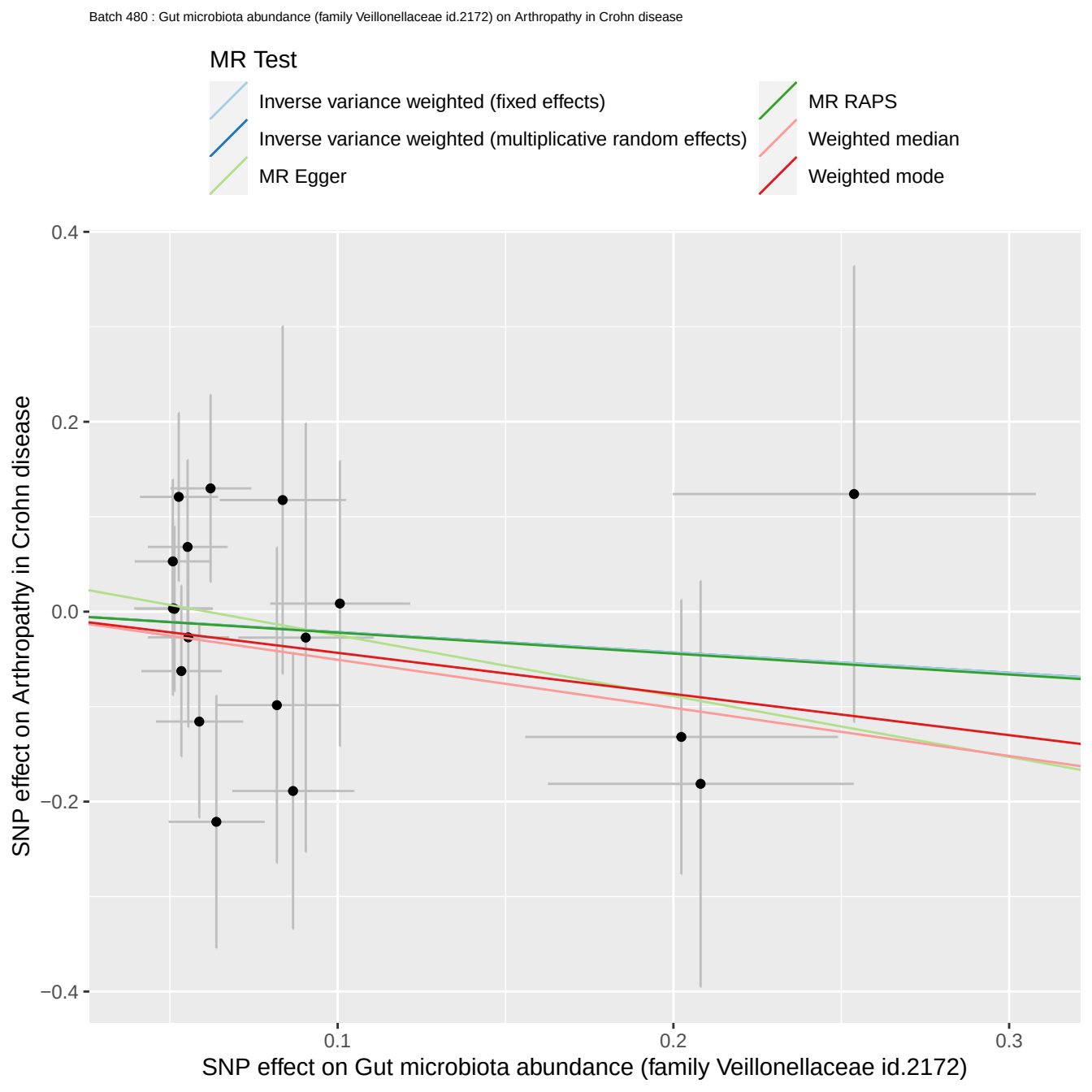
Batch 477 : Gut microbiota abundance (family Rikenellaceae id.967) on Arthropathy in Crohn disease

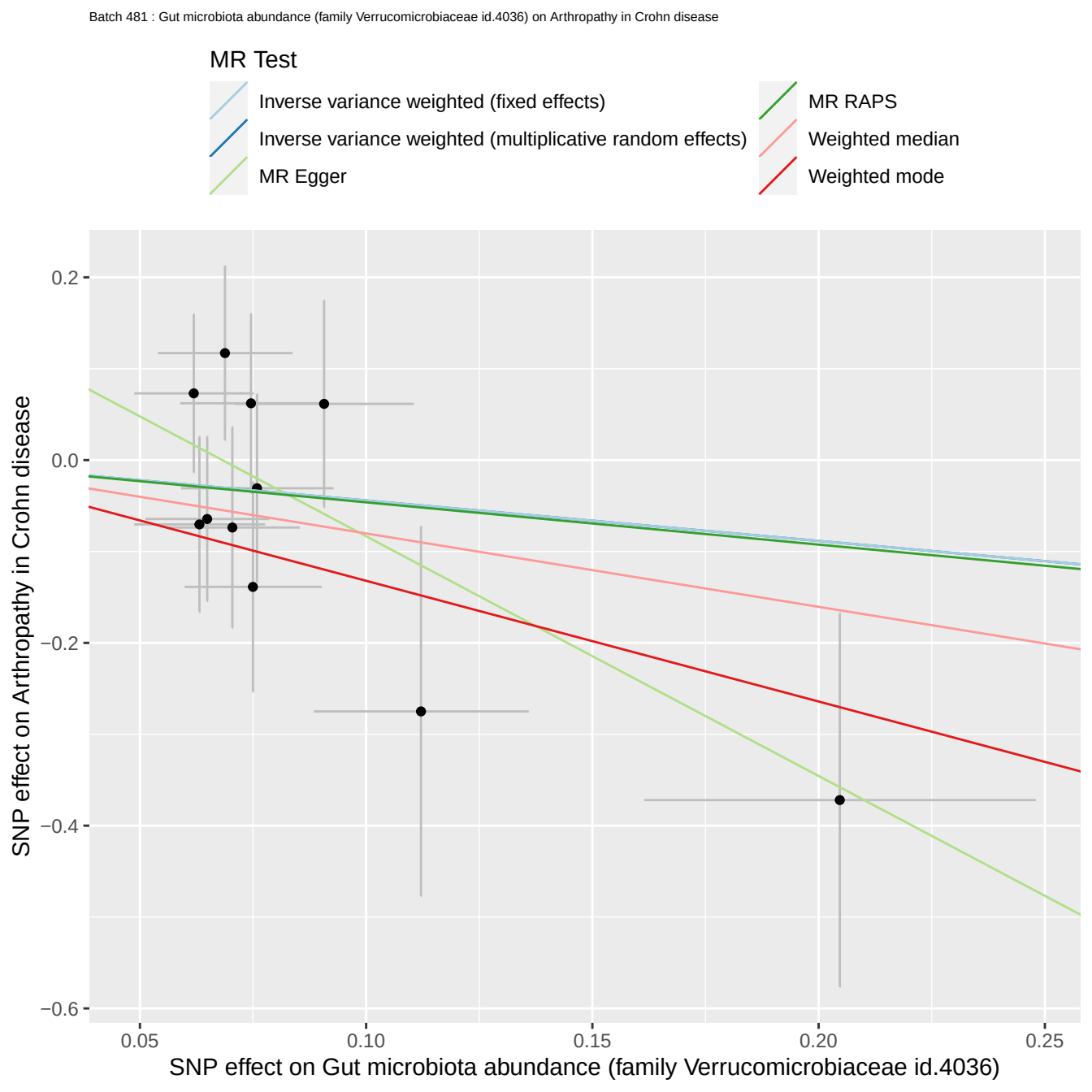


Batch 478 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Arthropathy in Crohn disease

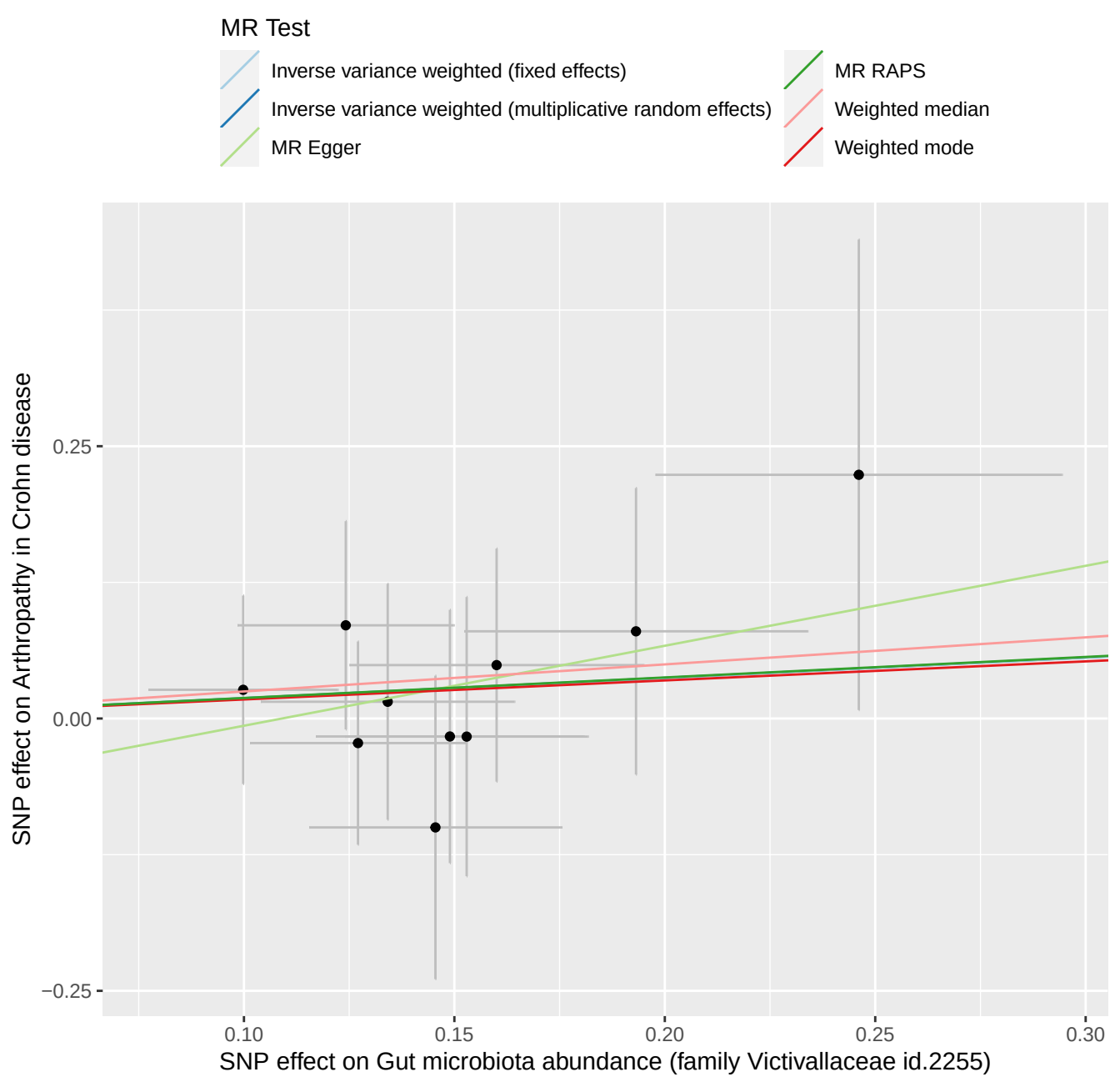


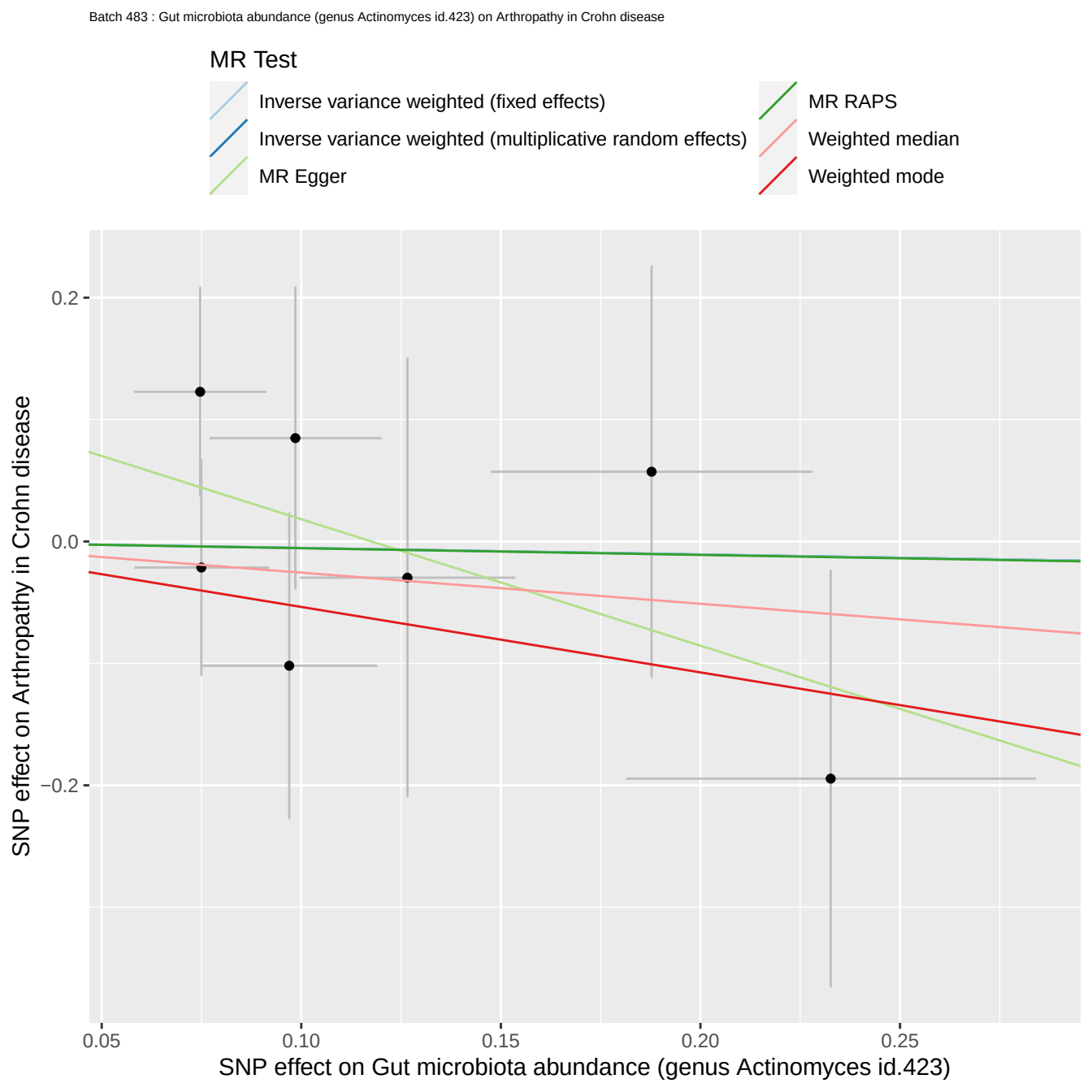

Batch 479 : Gut microbiota abundance (family Streptococcaceae id.1850) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.25
0.00
−0.25
−0.50
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

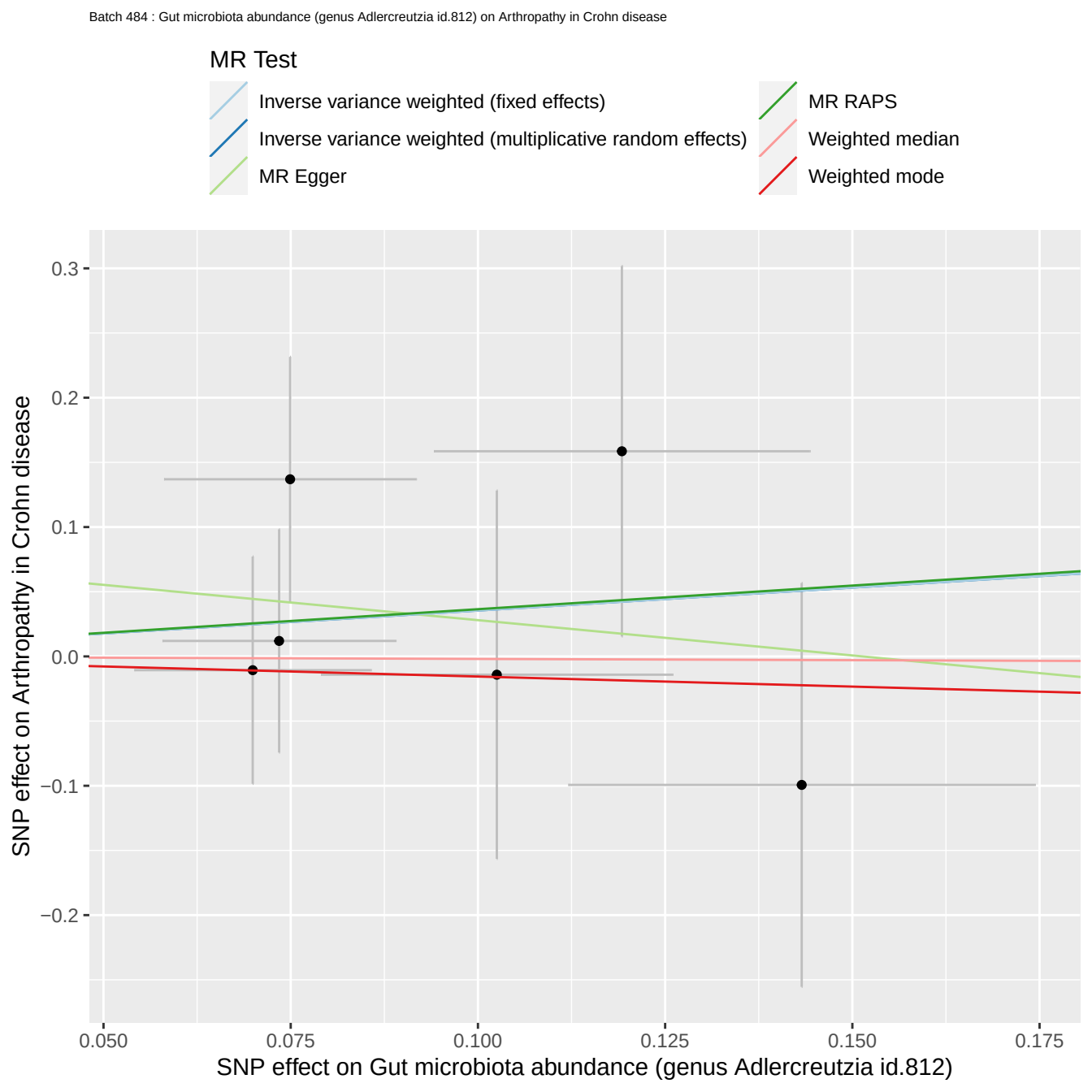

Batch 480 : Gut microbiota abundance (family Veillonellaceae id.2172) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

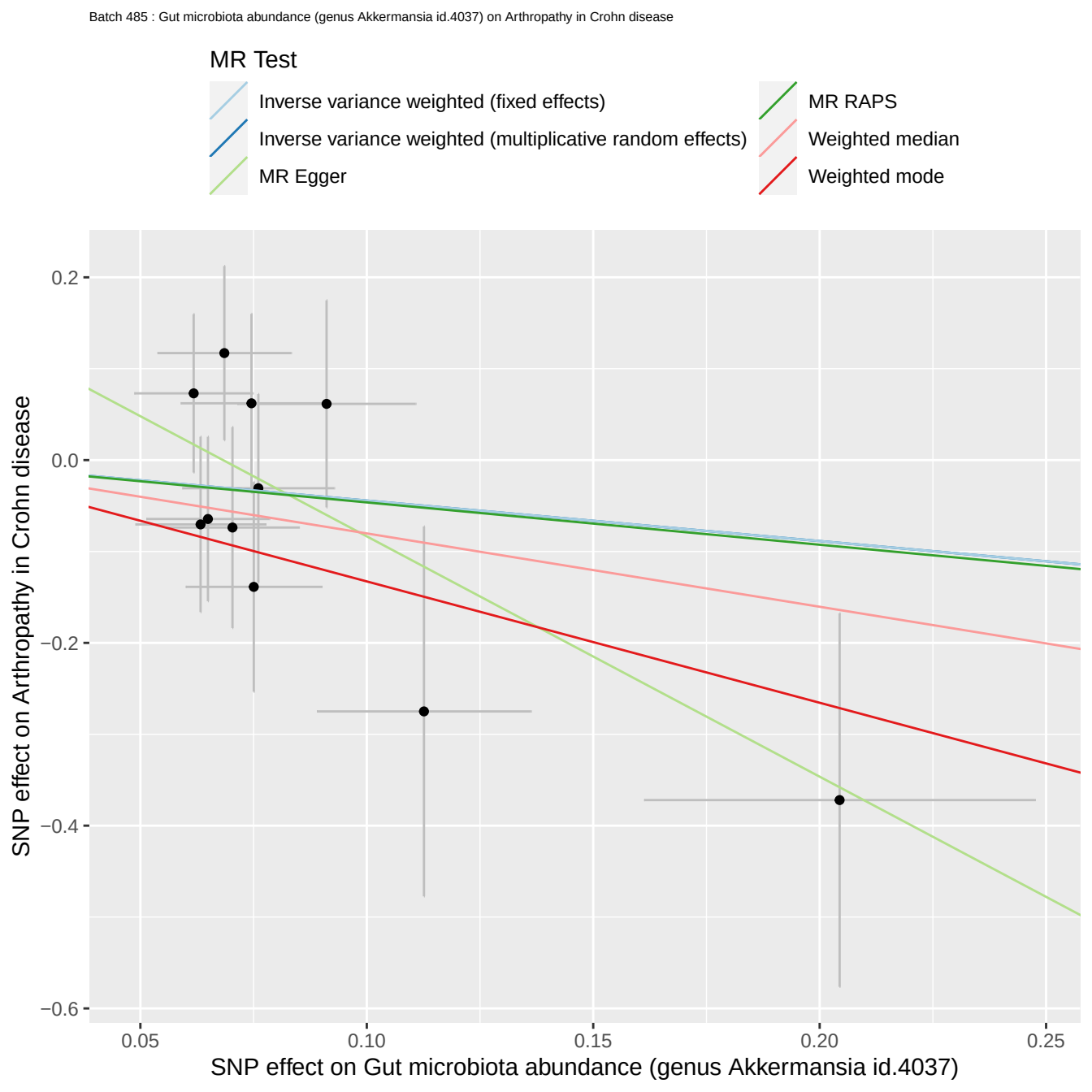

Batch 481 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
−0.6
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

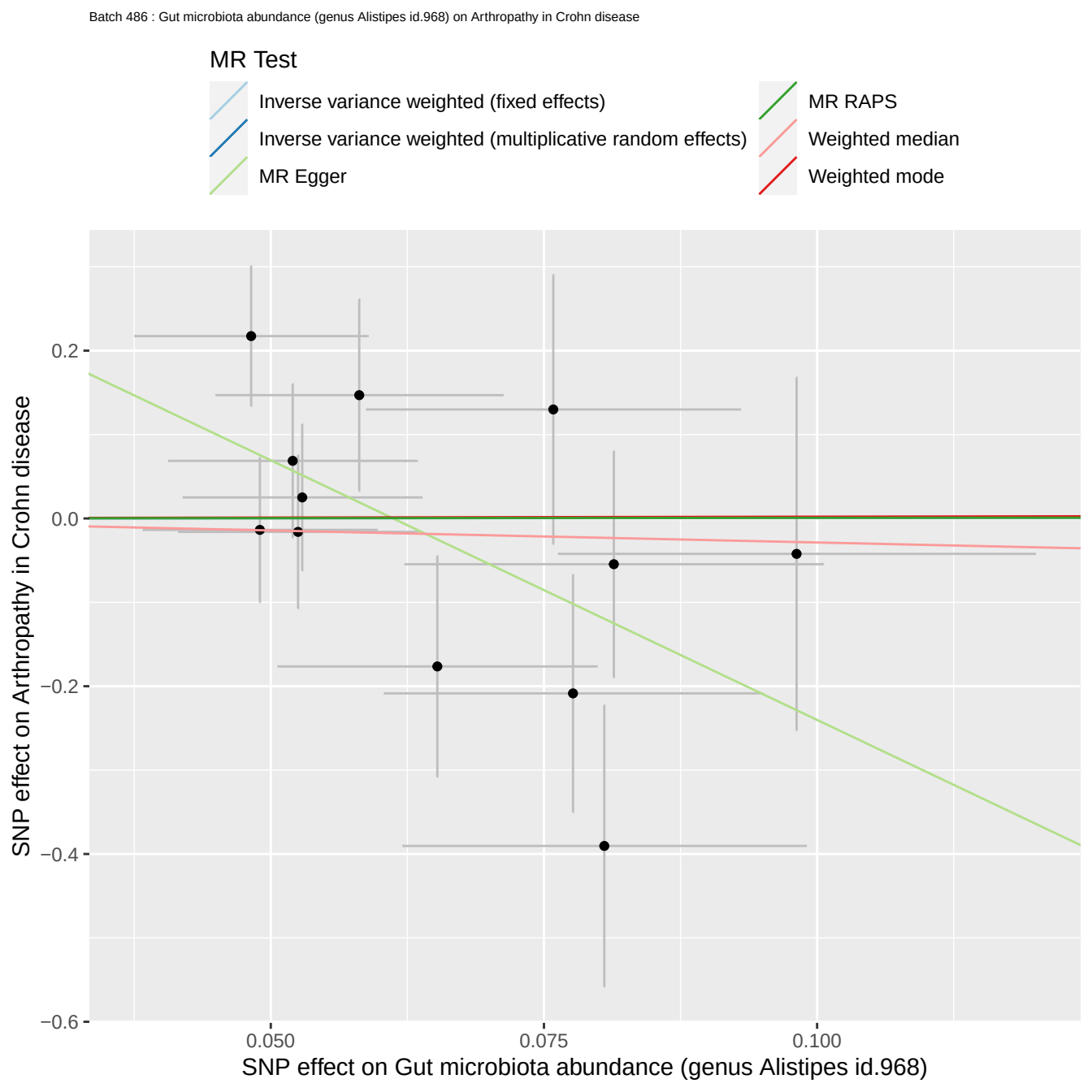
Batch 482 : Gut microbiota abundance (family Victivallaceae id.2255) on Arthropathy in Crohn disease

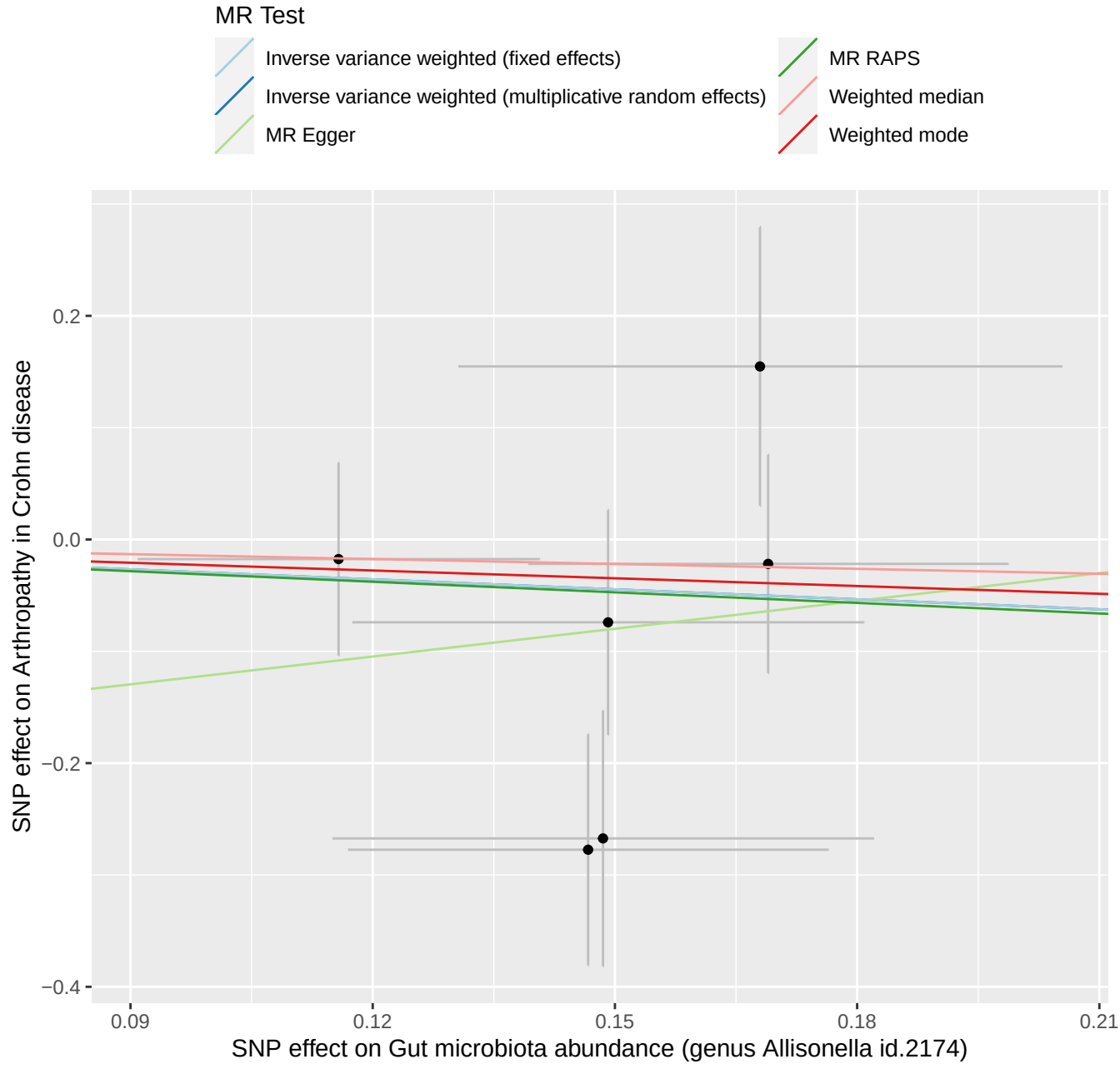



Batch 483 : Gut microbiota abundance (genus Actinomyces id.423) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

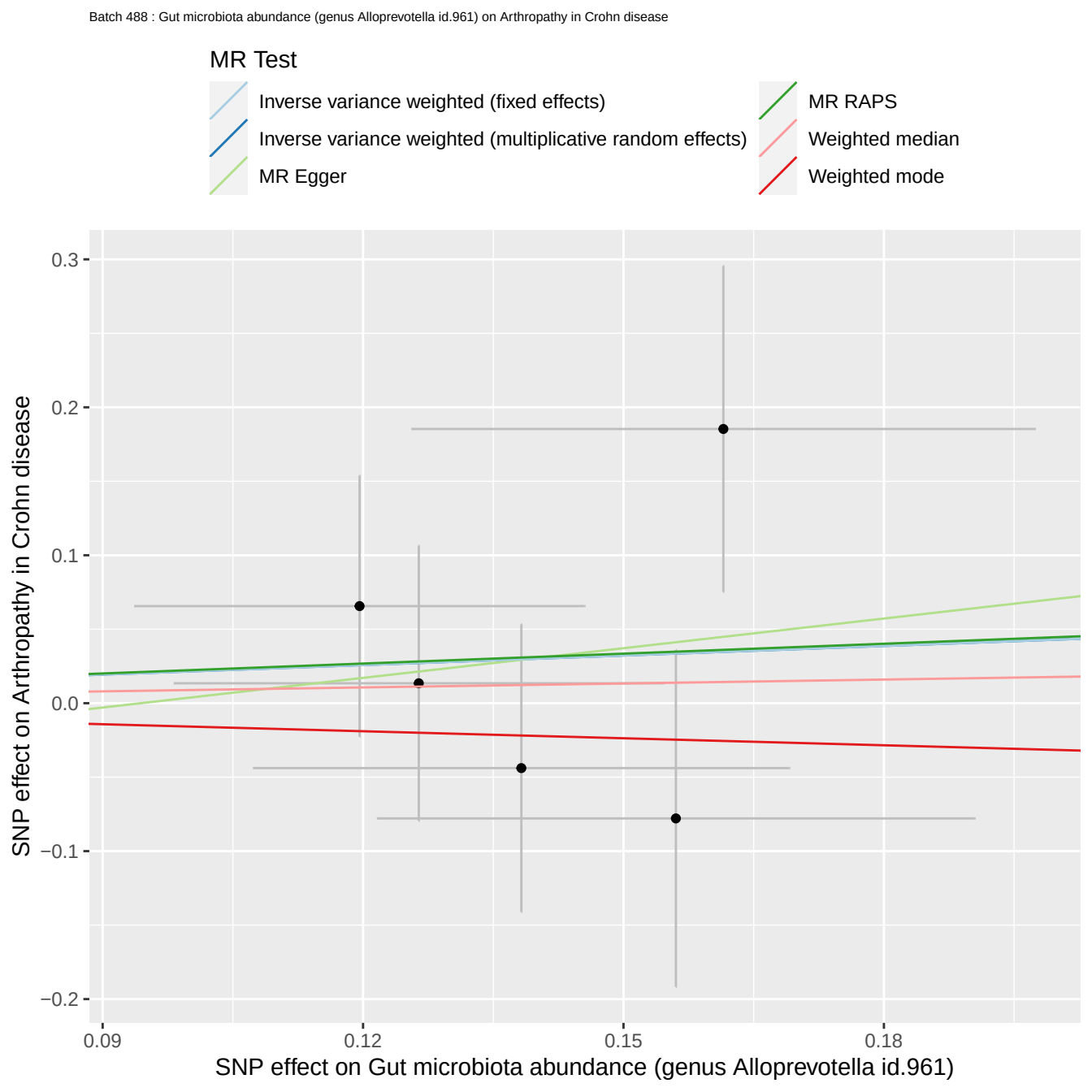

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.3
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

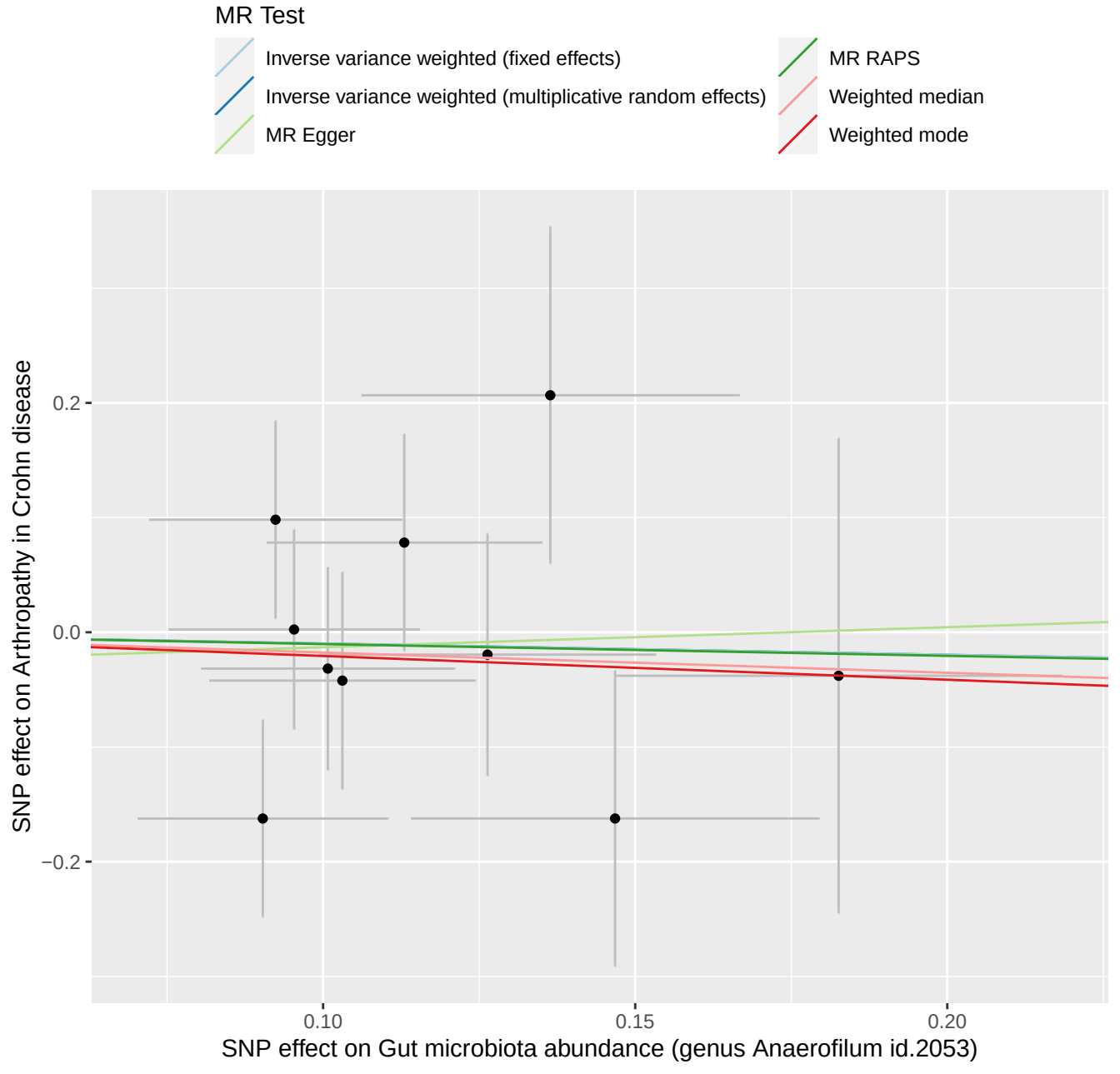

Batch 485 : Gut microbiota abundance (genus Akkermansia id.4037) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
−0.6
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)


Batch 486 : Gut microbiota abundance (genus Alistipes id.968) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
−0.6
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)

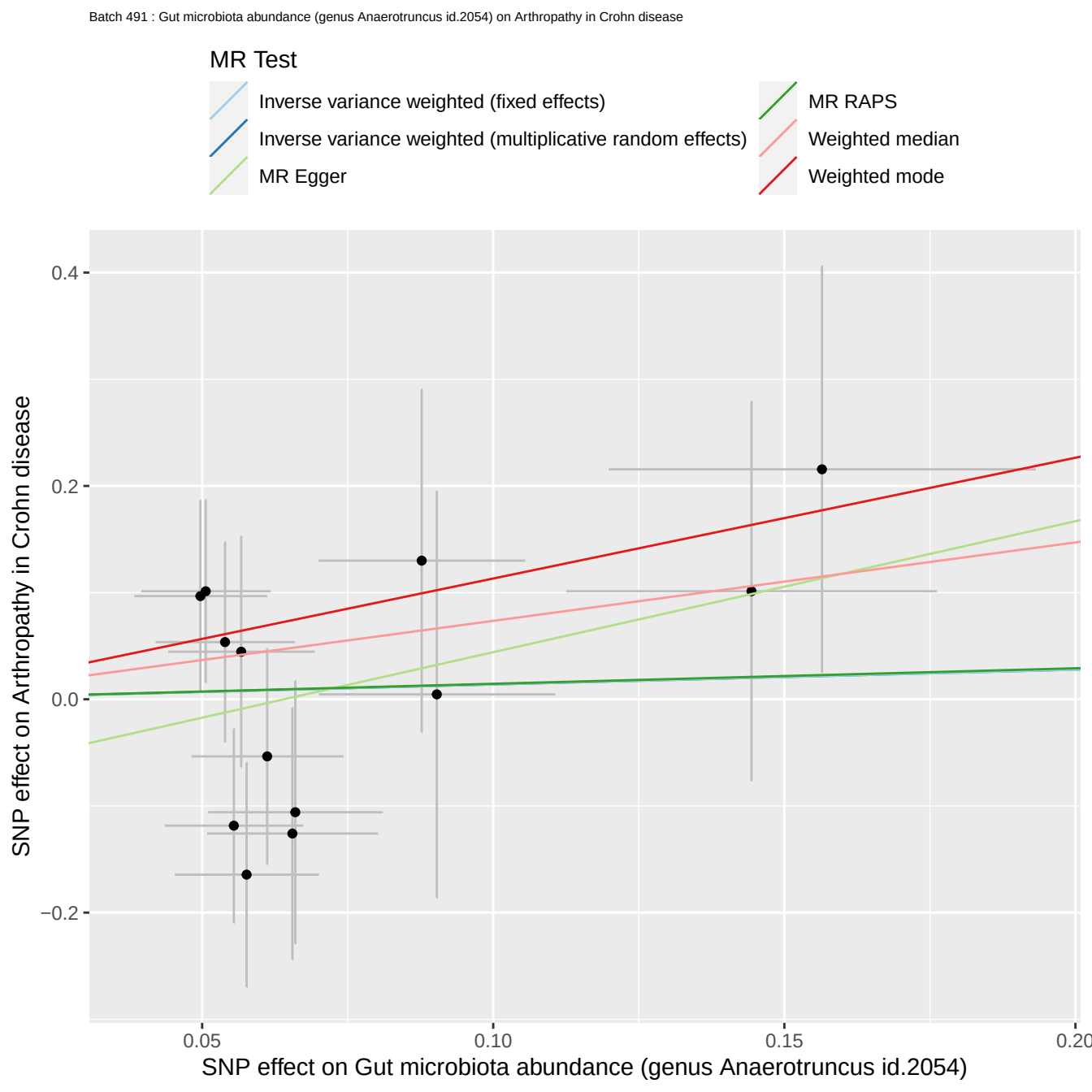

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

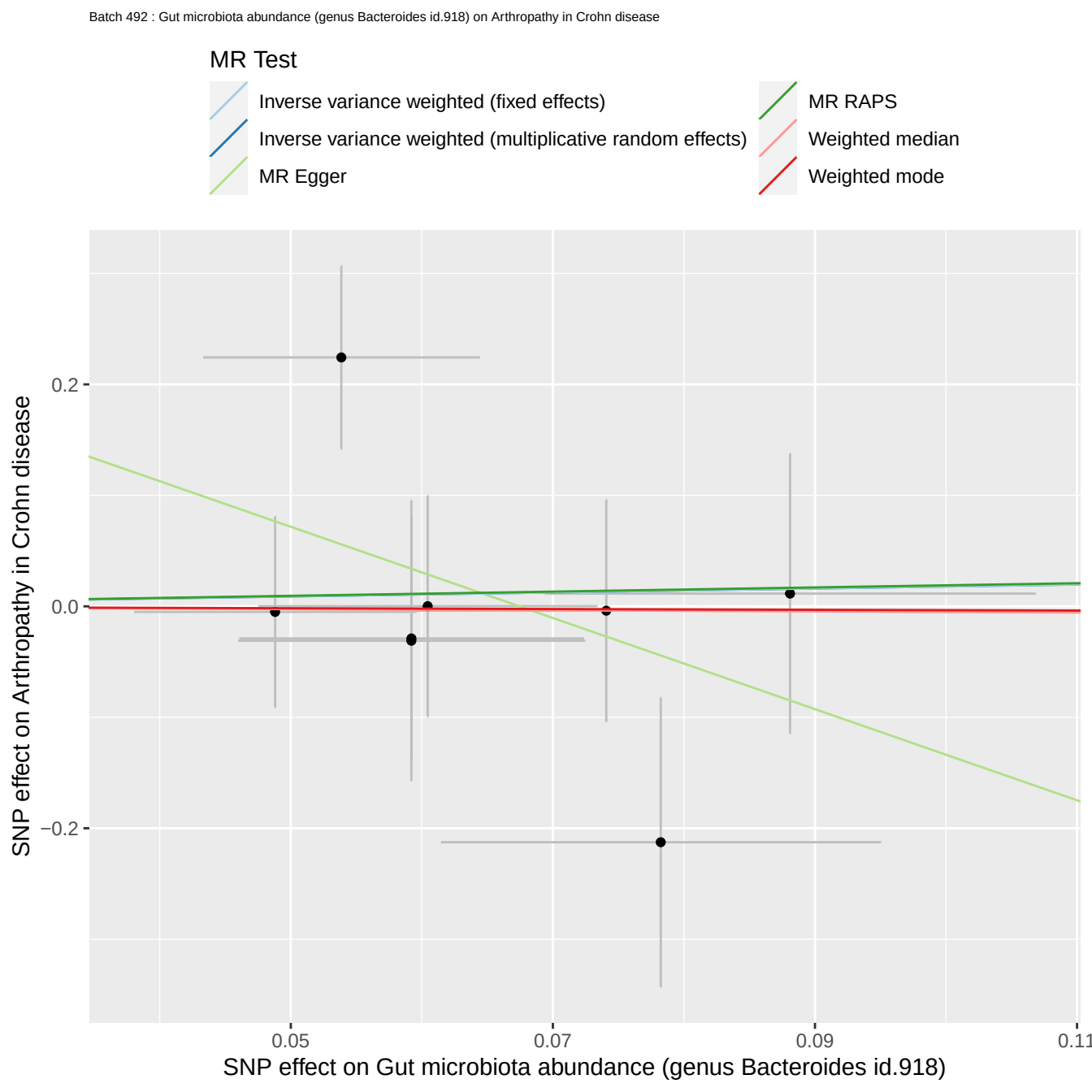
Batch 488 : Gut microbiota abundance (genus Alloprevotella id.961) on Arthropathy in Crohn disease

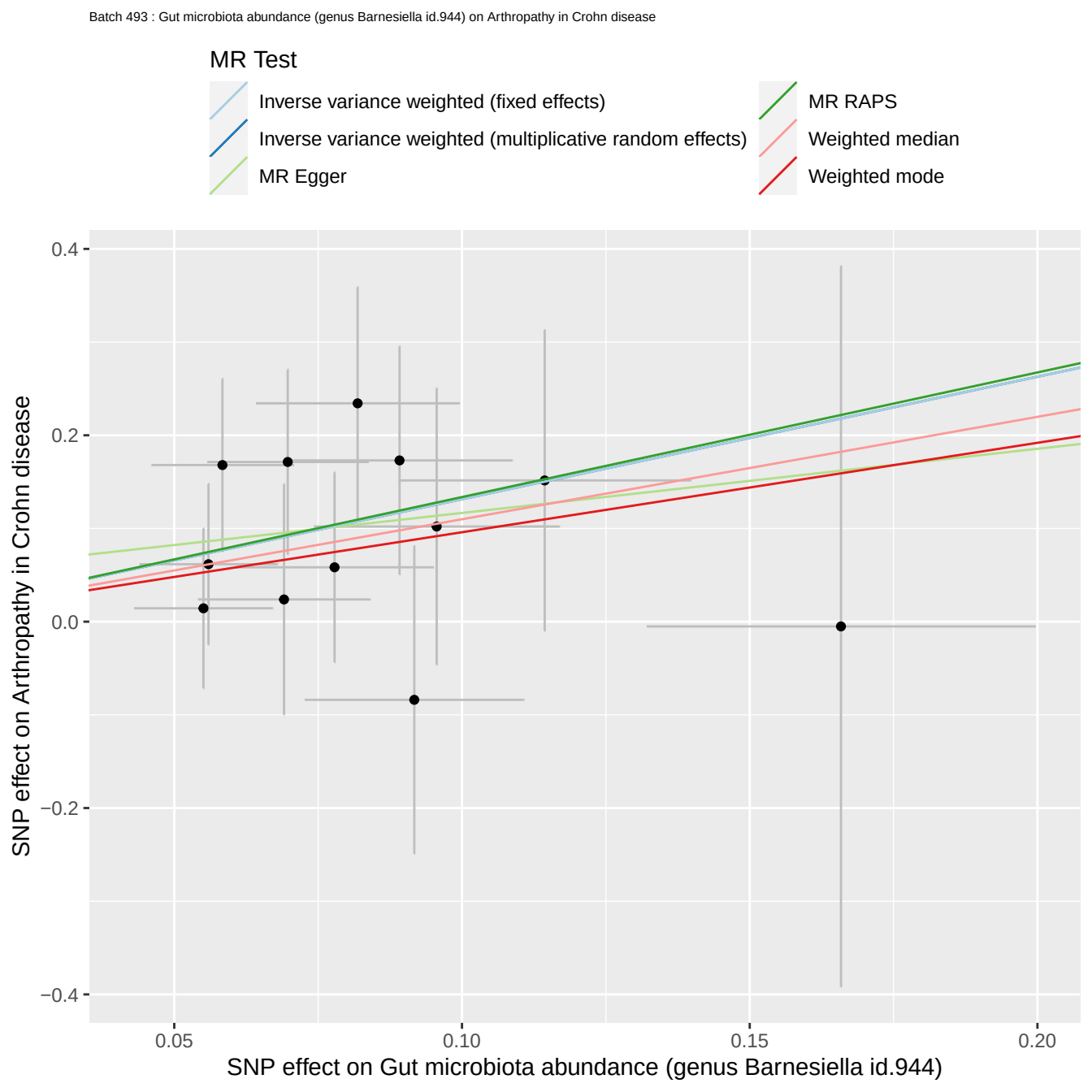



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

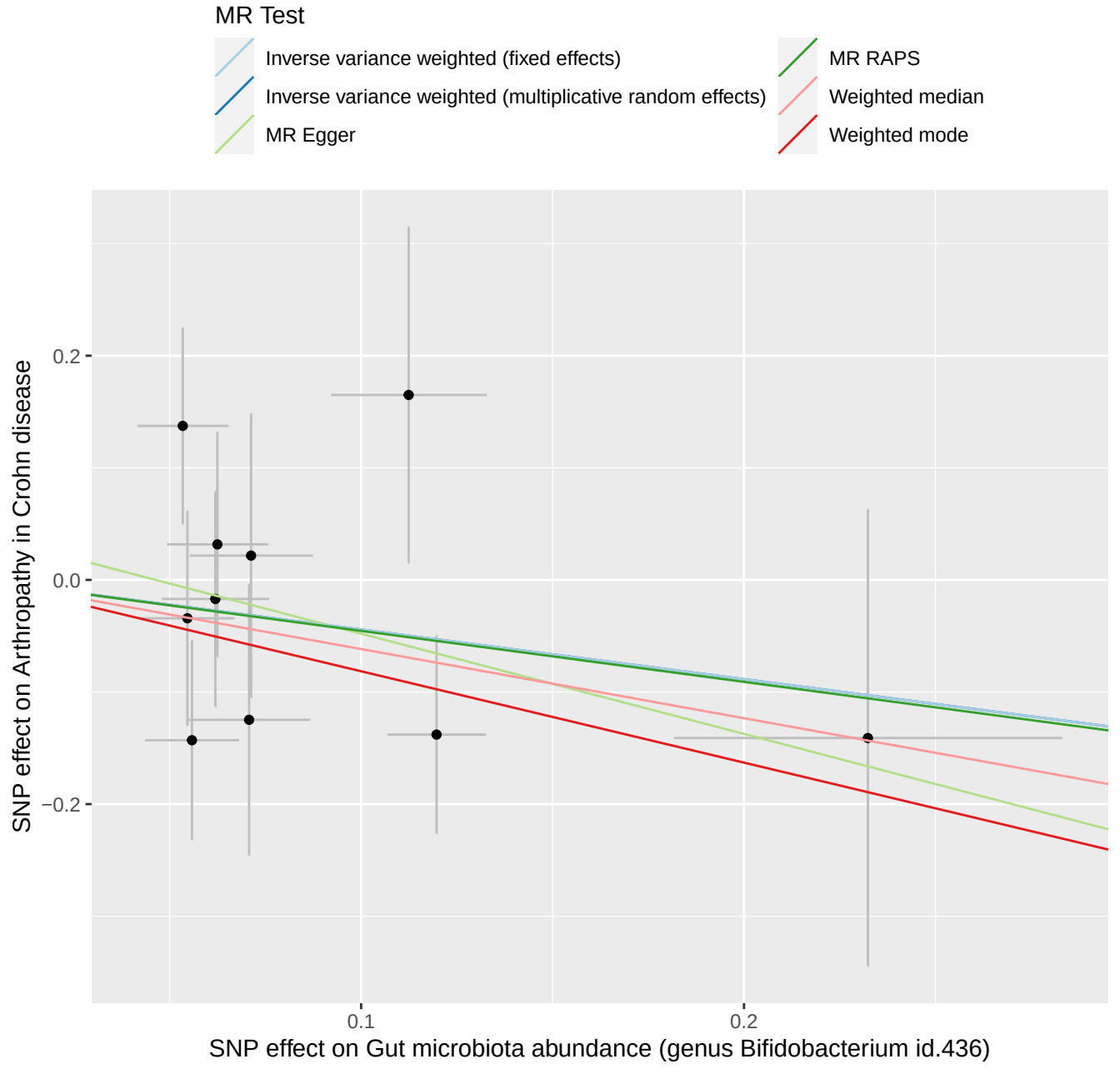
Batch 490 : Gut microbiota abundance (genus Anaerostipes id.1991) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.6
0.4
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)

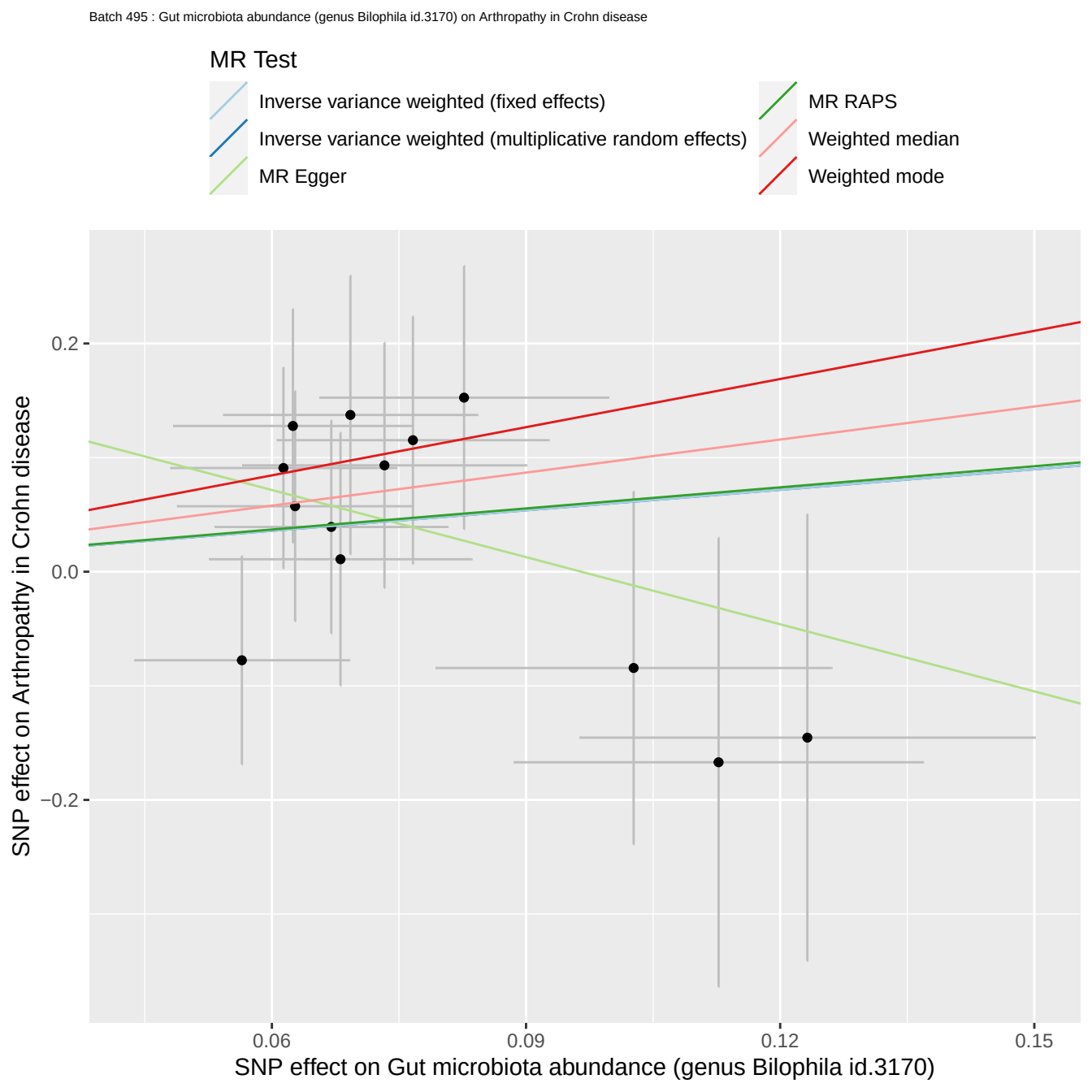

Batch 491 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)


Batch 492 : Gut microbiota abundance (genus Bacteroides id.918) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

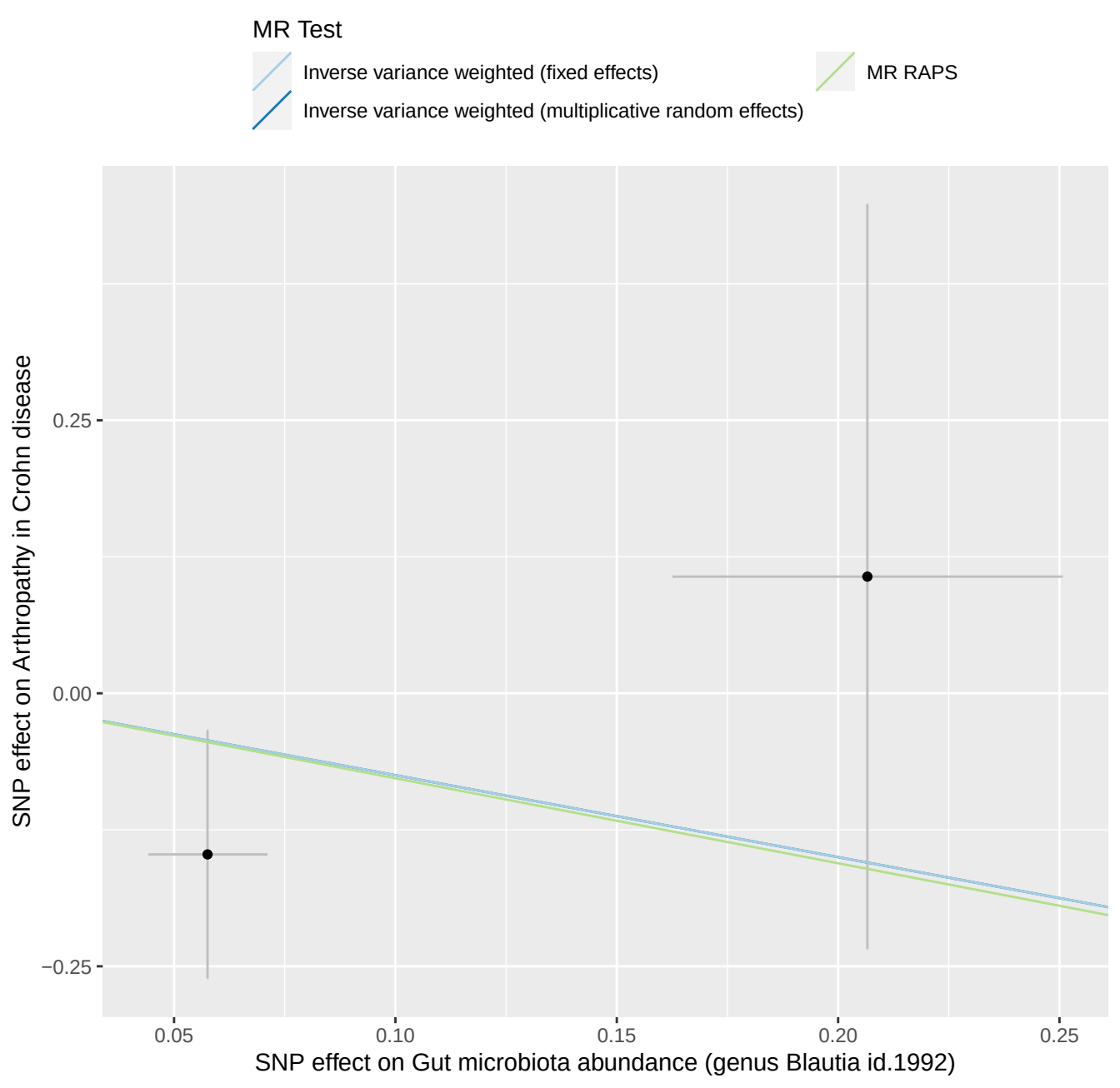

Batch 493 : Gut microbiota abundance (genus Barnesiella id.944) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

Batch 494 : Gut microbiota abundance (genus Bifidobacterium id.436) on Arthropathy in Crohn disease

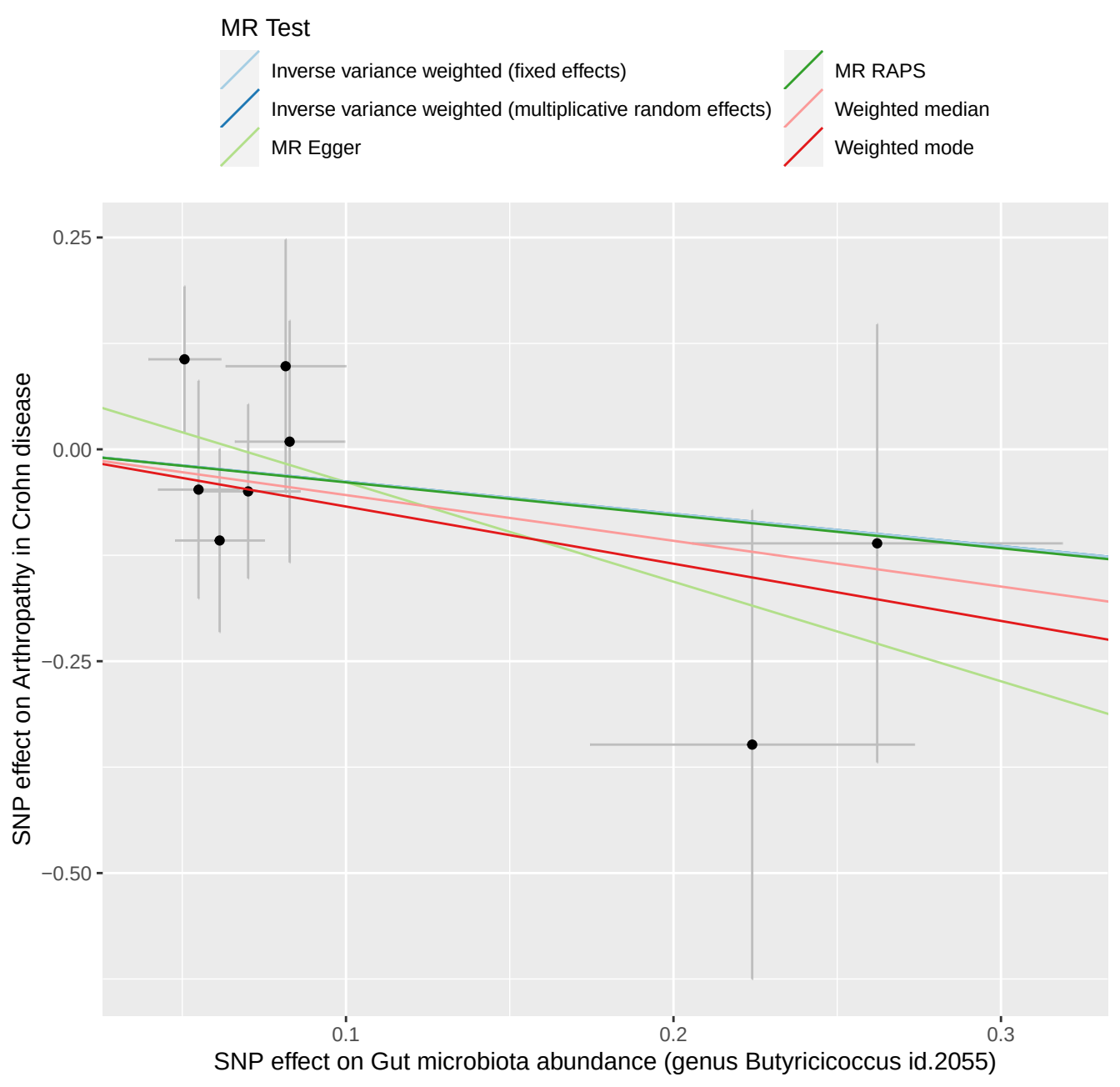



Batch 495 : Gut microbiota abundance (genus Bilophila id.3170) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

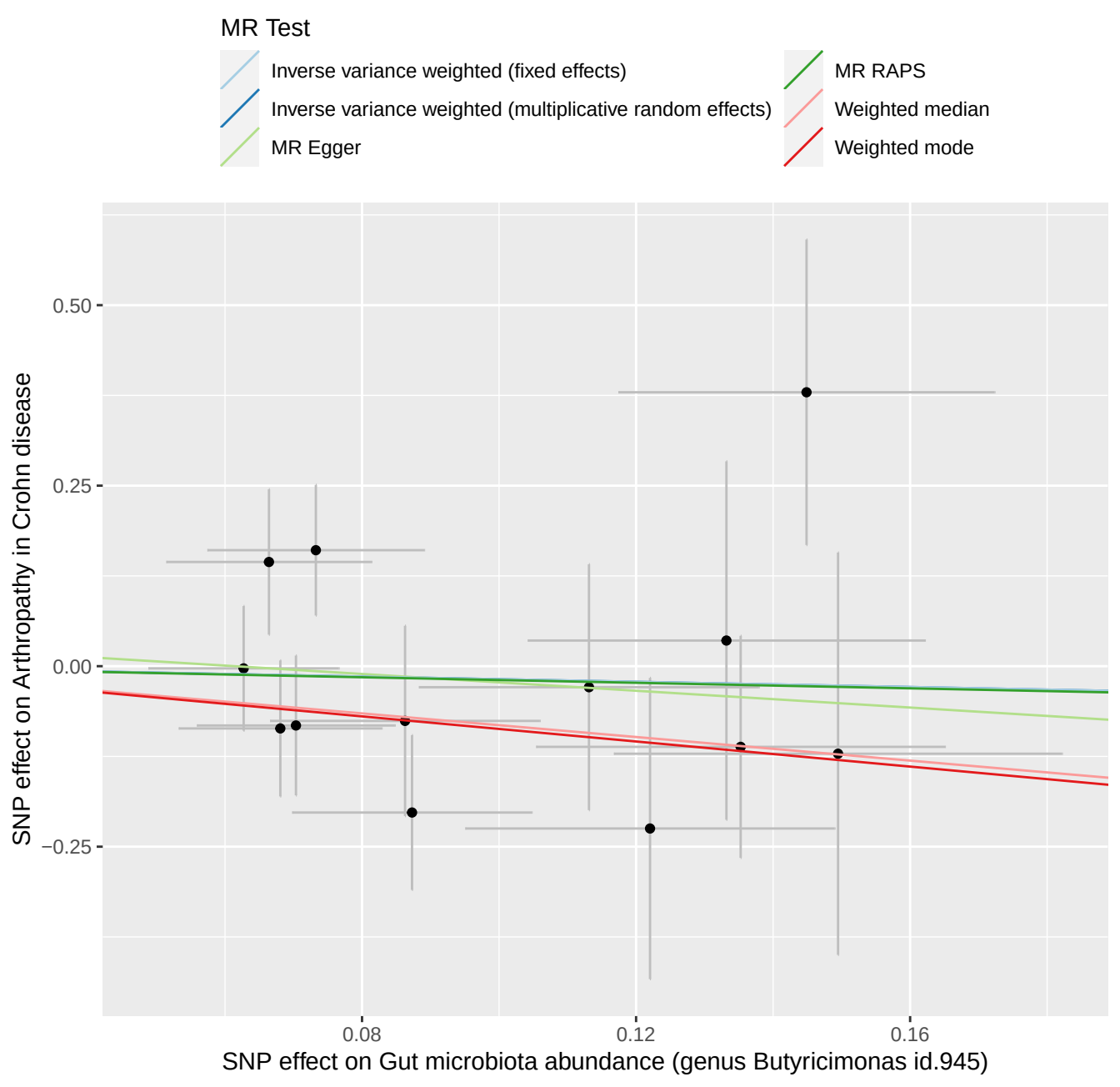
Batch 496 : Gut microbiota abundance (genus Blautia id.1992) on Arthropathy in Crohn disease

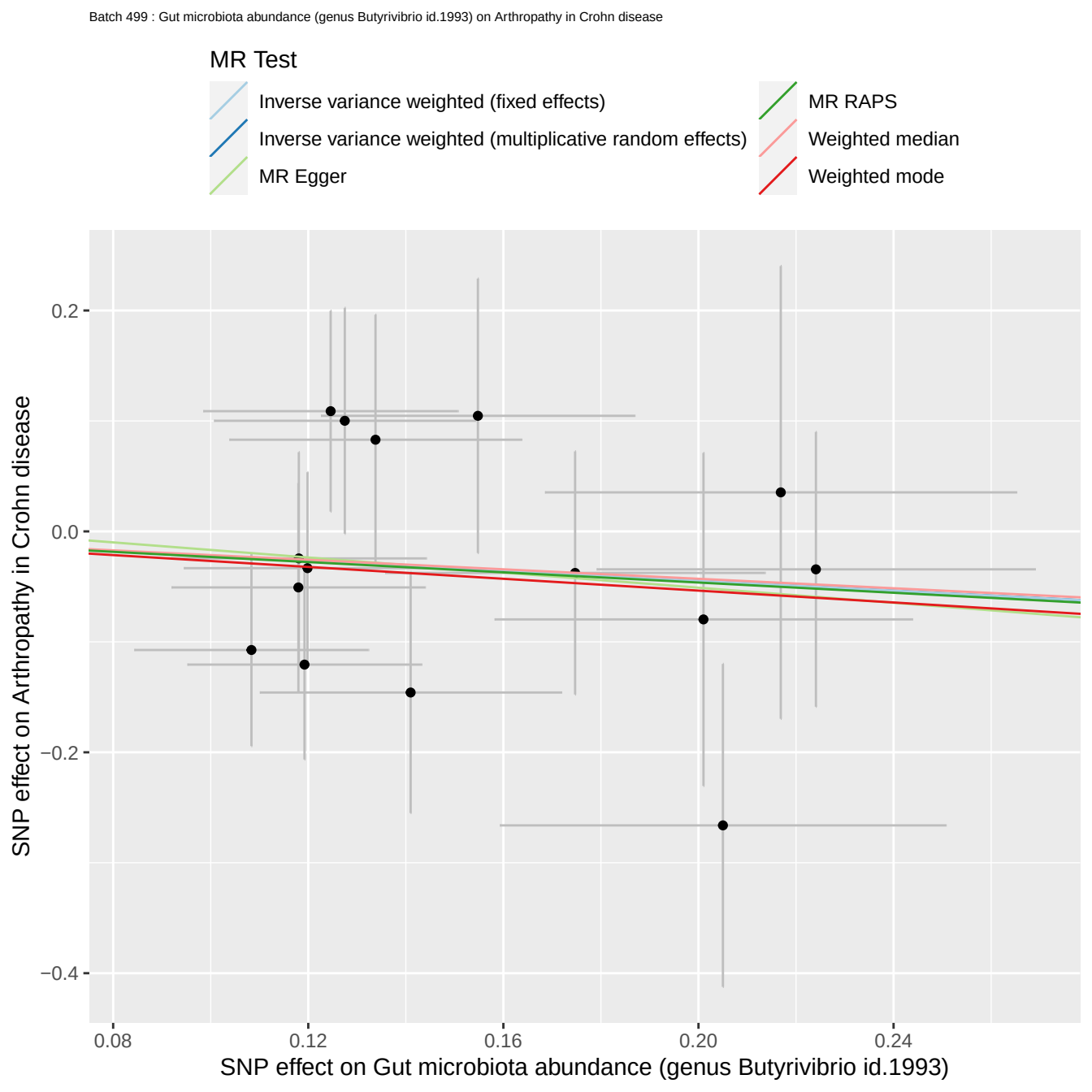


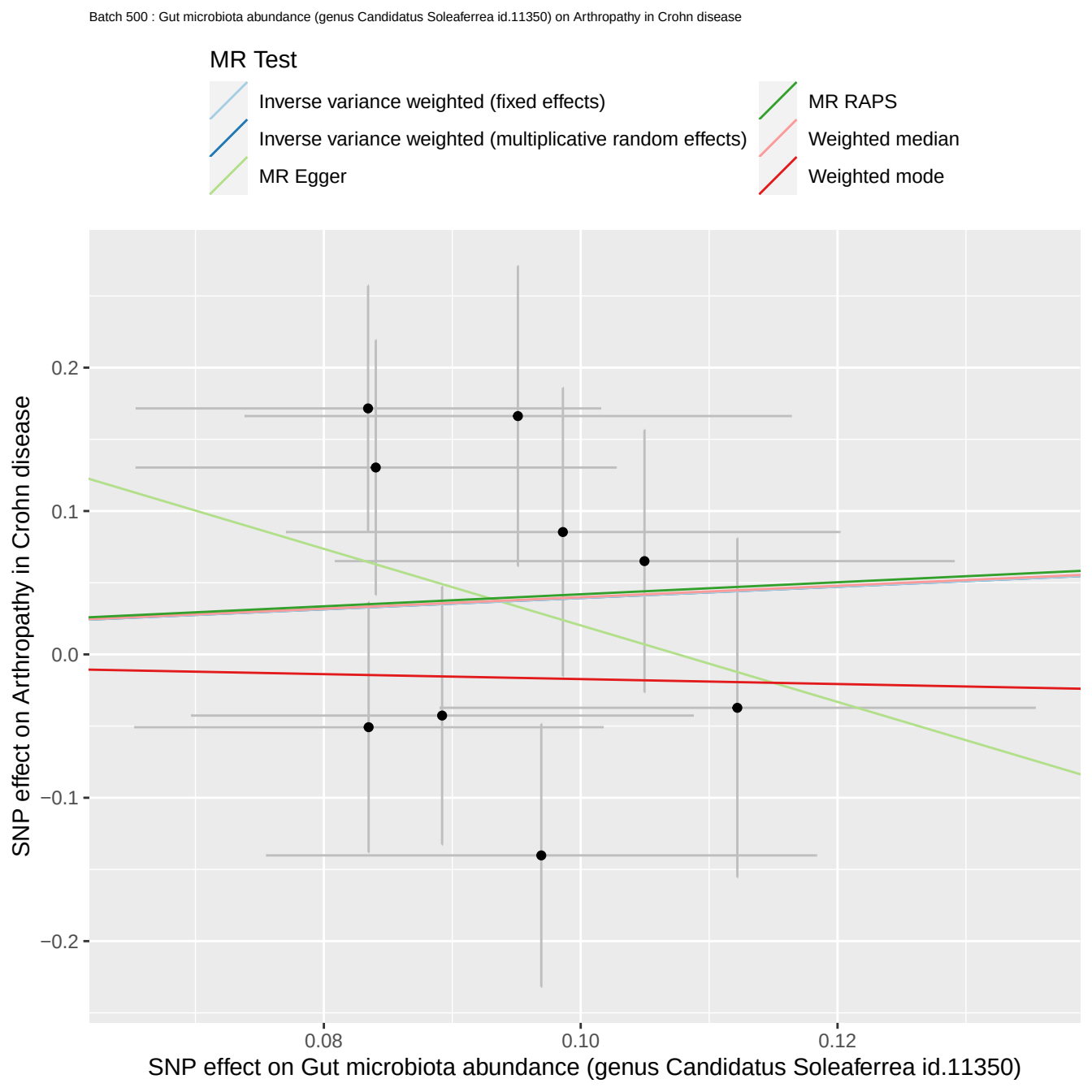
Batch 497 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Arthropathy in Crohn disease

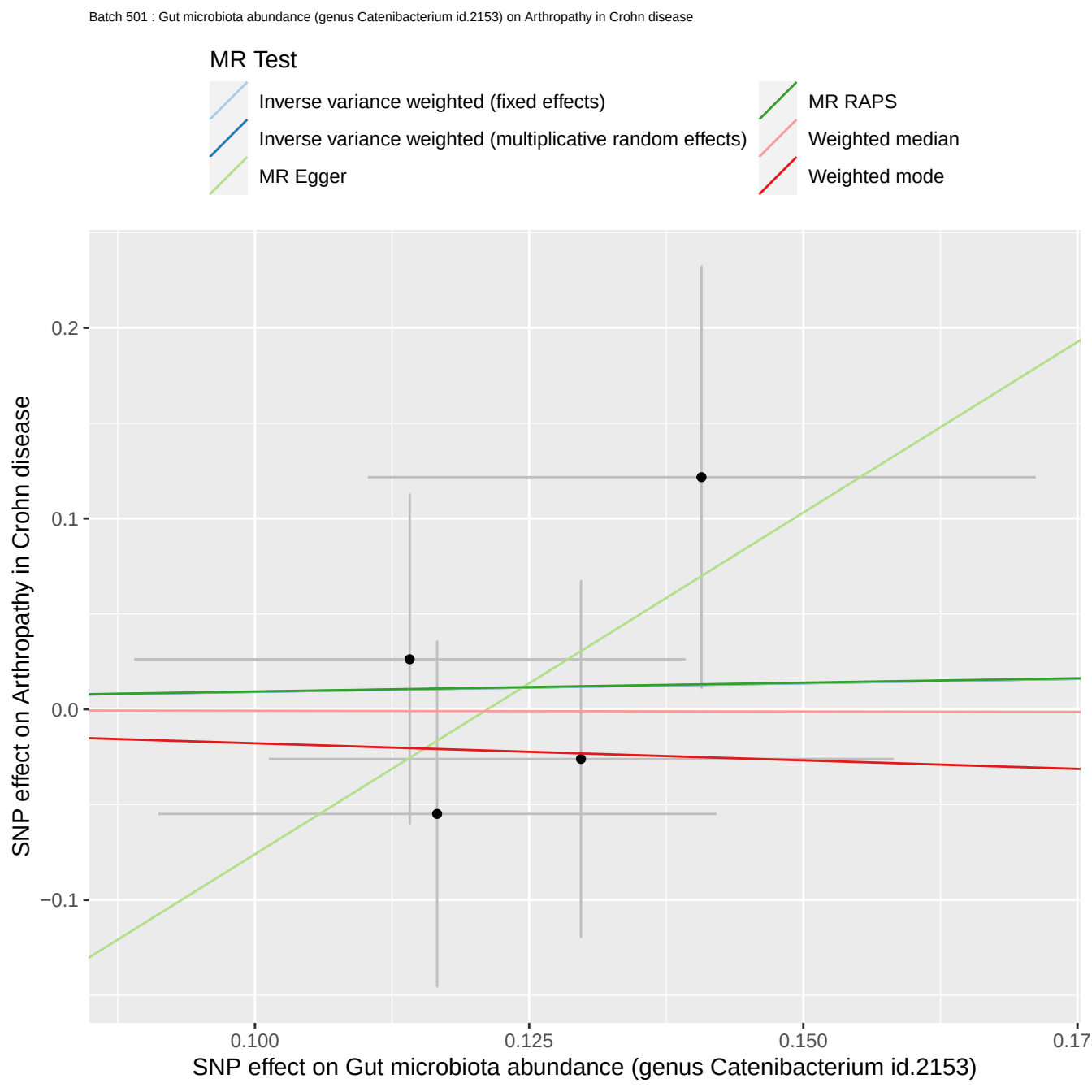


Batch 498 : Gut microbiota abundance (genus Butyricimonas id.945) on Arthropathy in Crohn disease

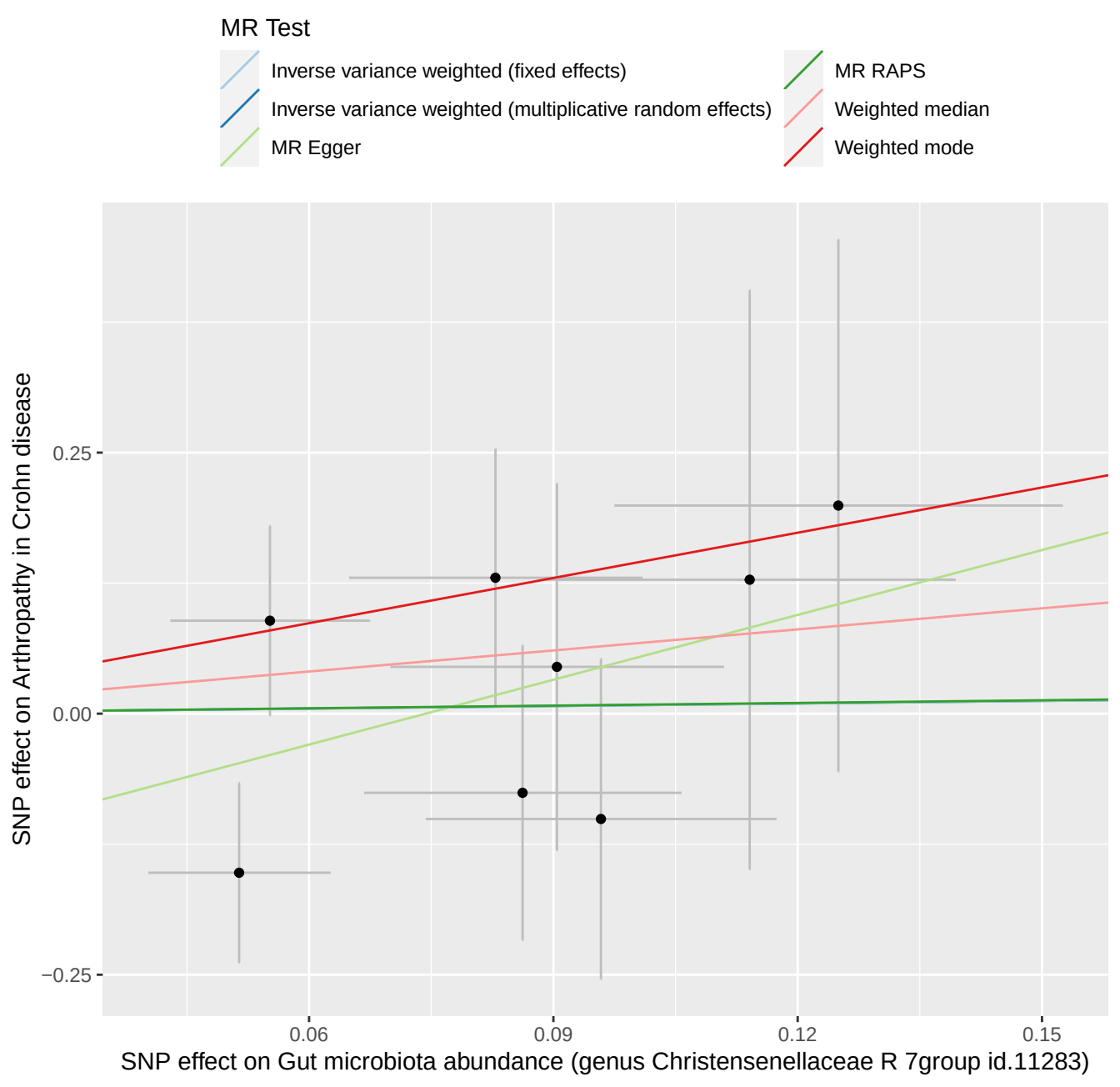


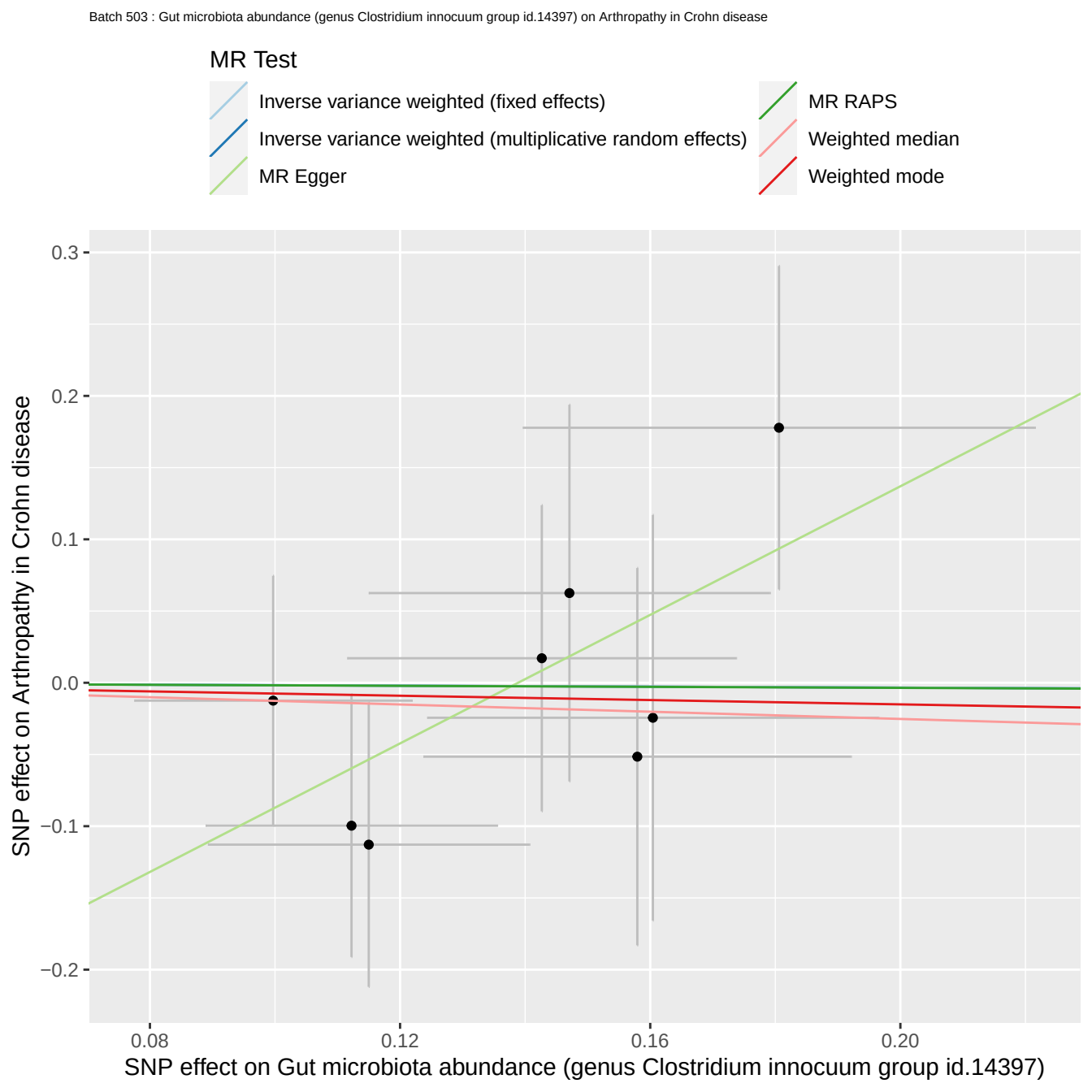

Batch 499 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

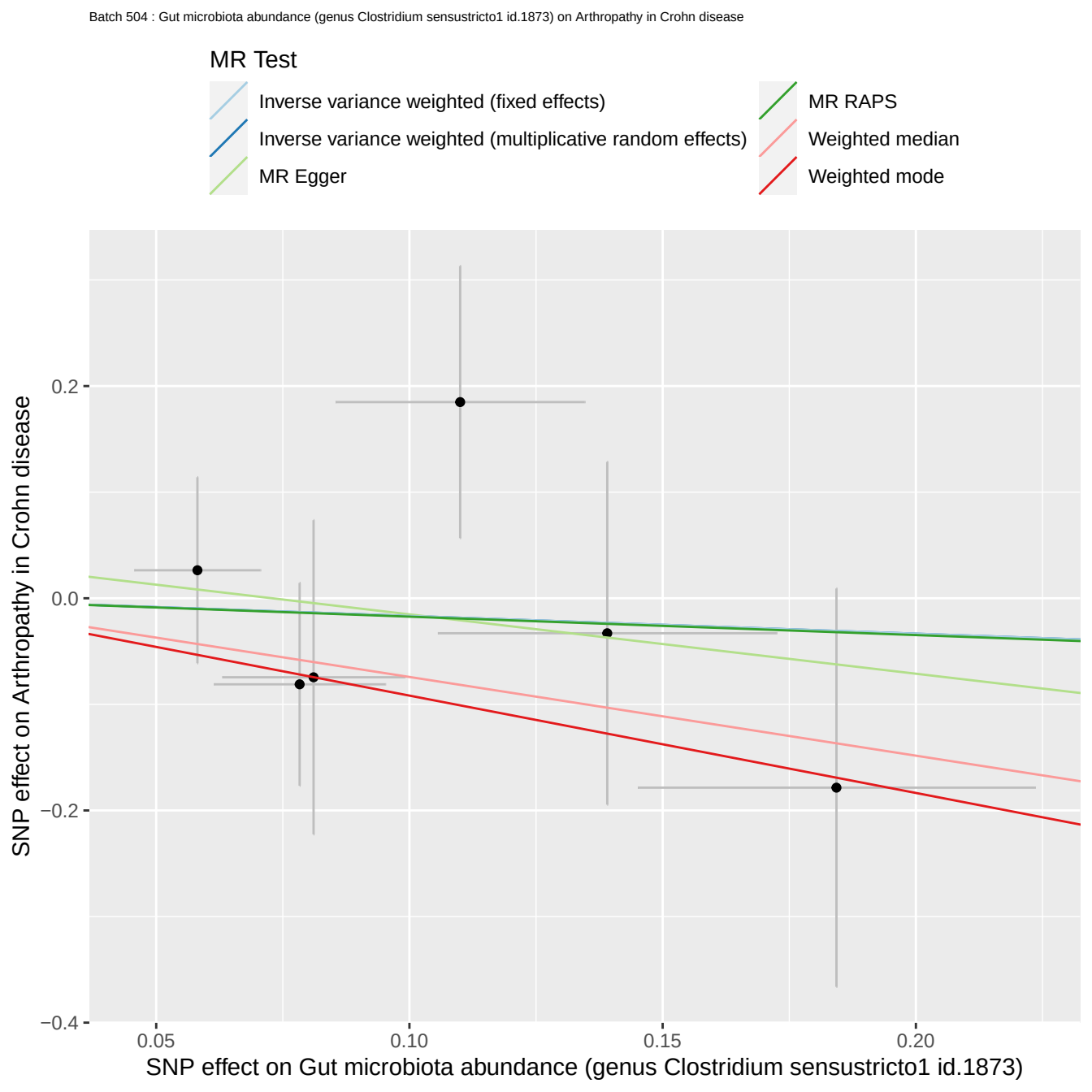

Batch 500 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

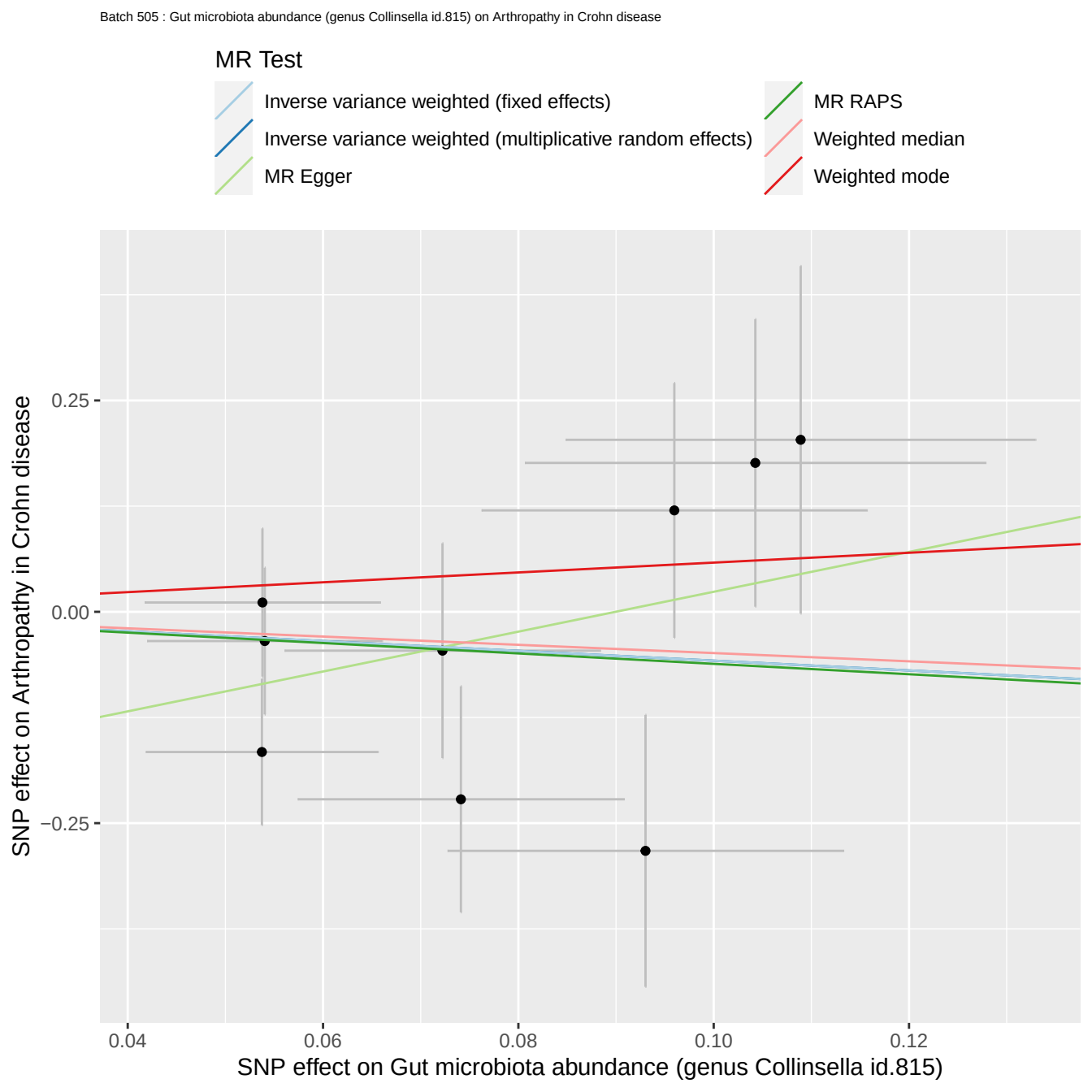

Batch 501 : Gut microbiota abundance (genus Catenibacterium id.2153) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
0.100
0.125
0.150
0.17
SNP effect on Gut microbiota abundance (genus Catenibacterium id.2153)

Batch 502 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Arthropathy in Crohn disease

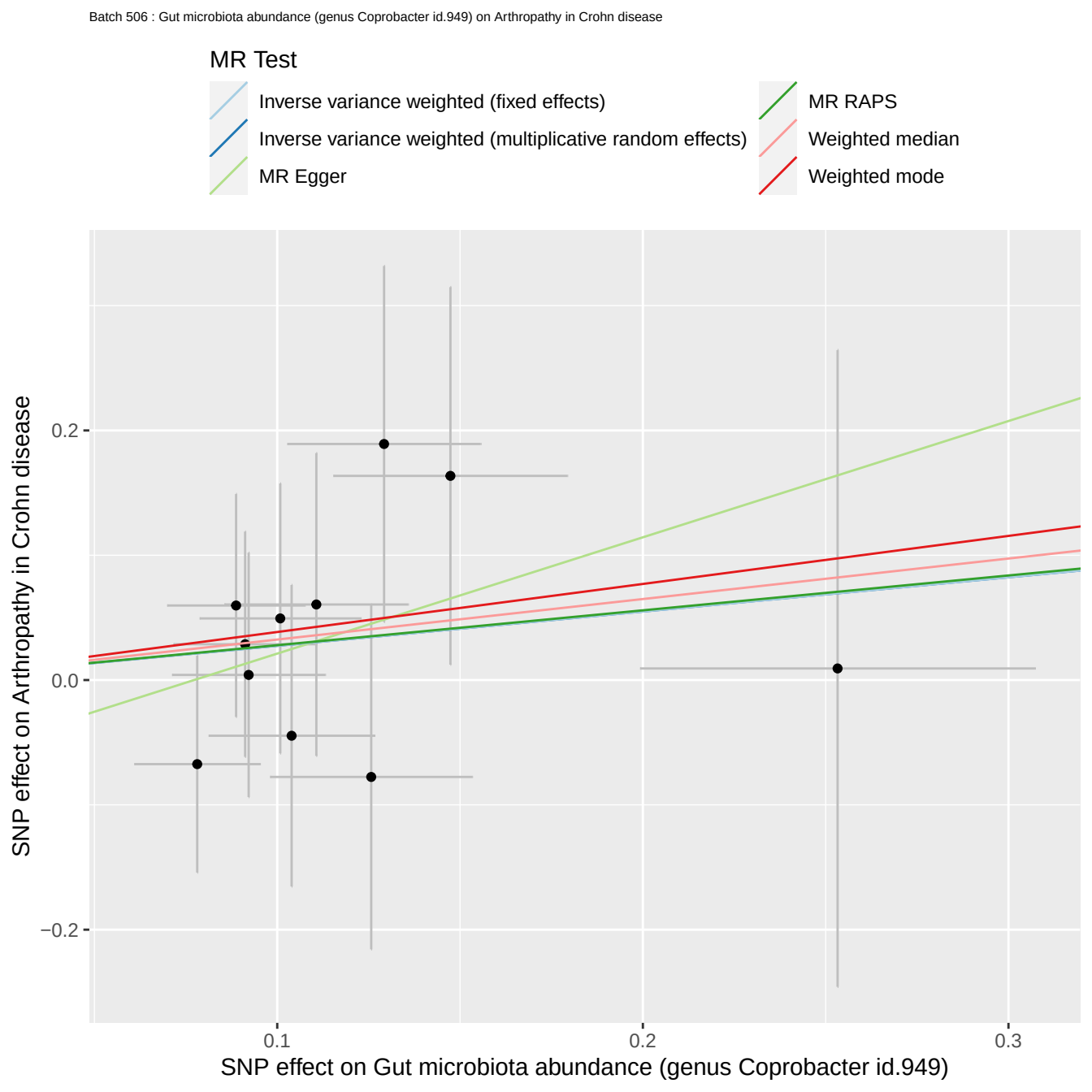


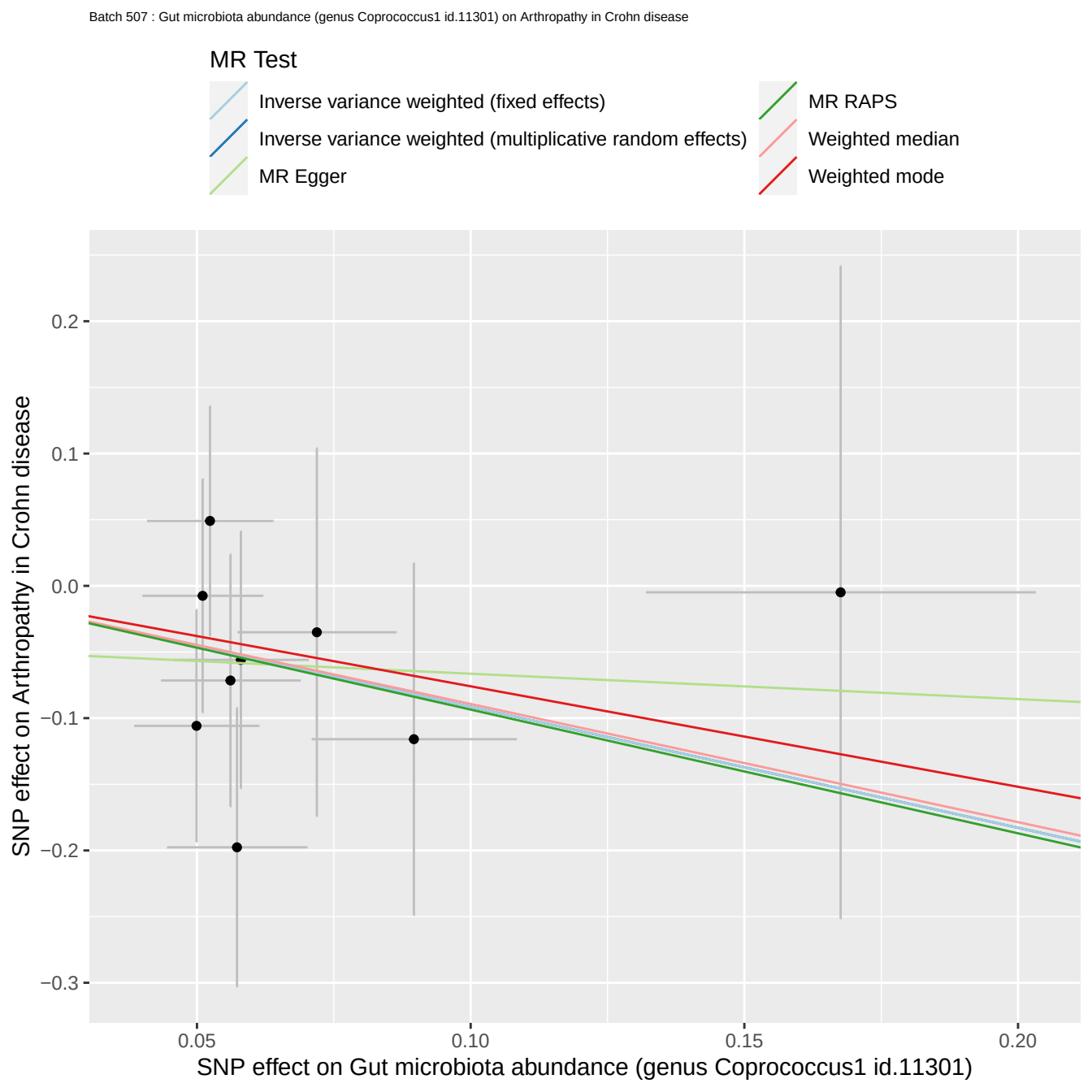

Batch 503 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.3
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)


Batch 504 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

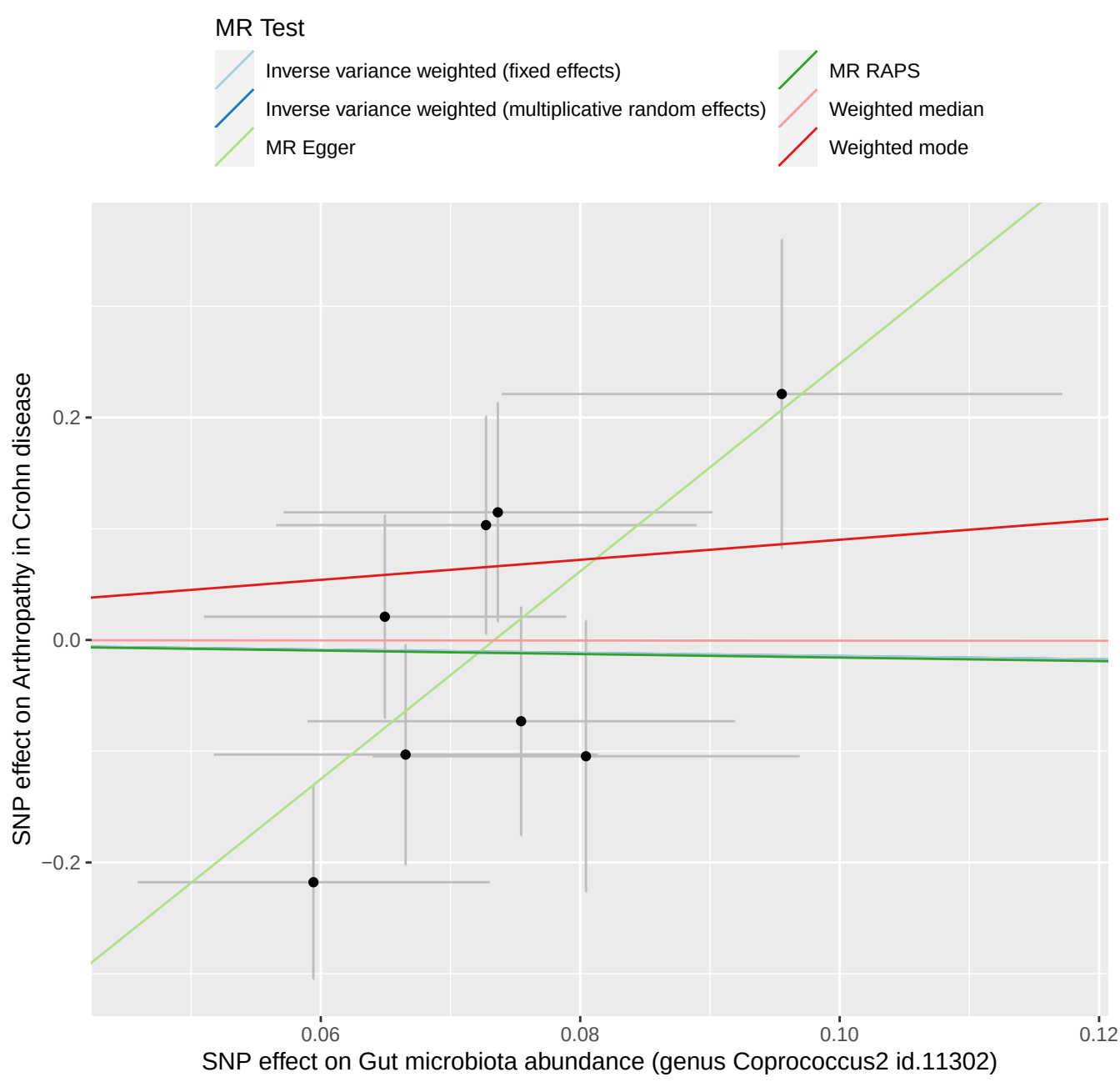

Batch 505 : Gut microbiota abundance (genus Collinsella id.815) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.25
0.00
−0.25
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

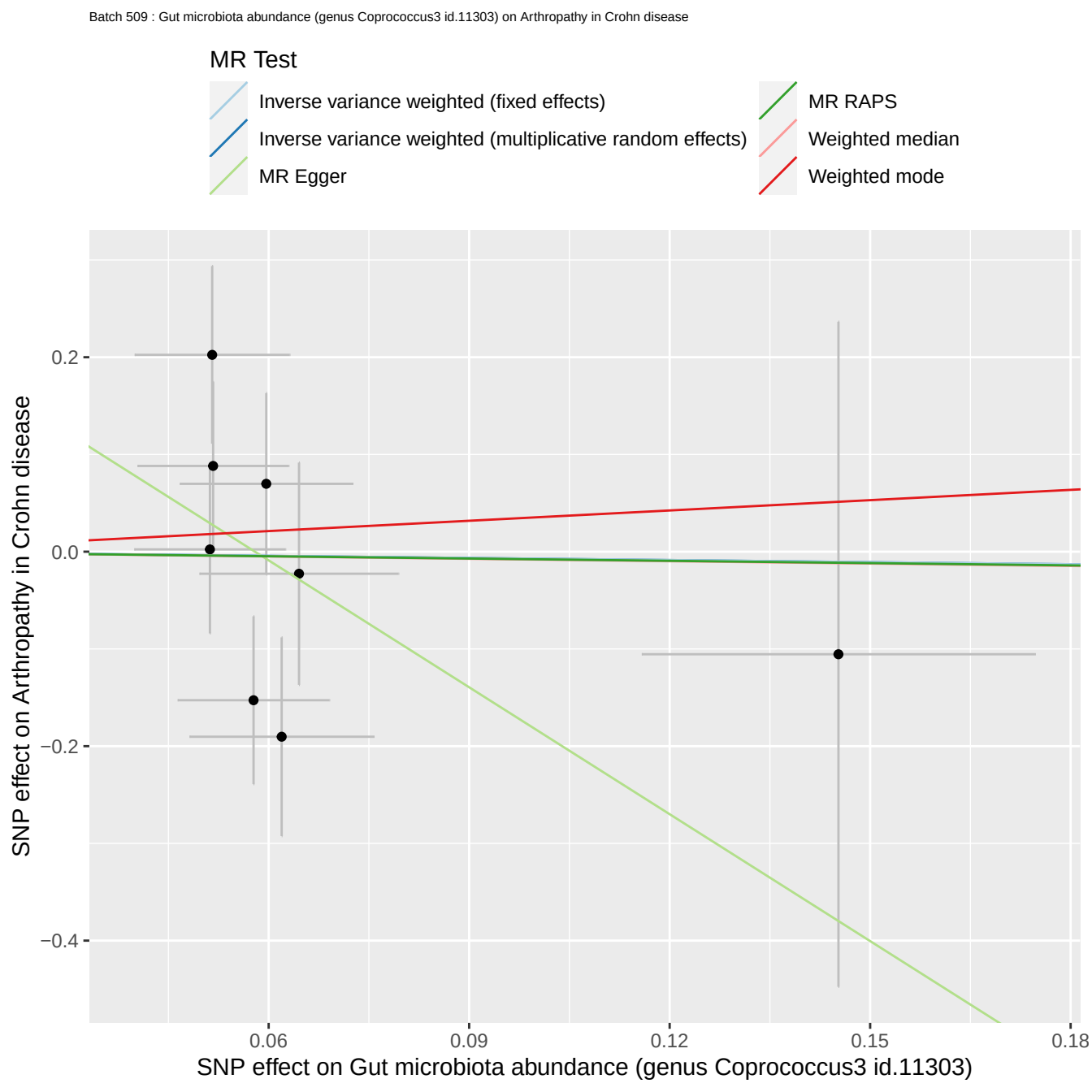
Batch 506 : Gut microbiota abundance (genus Coprobacter id.949) on Arthropathy in Crohn disease

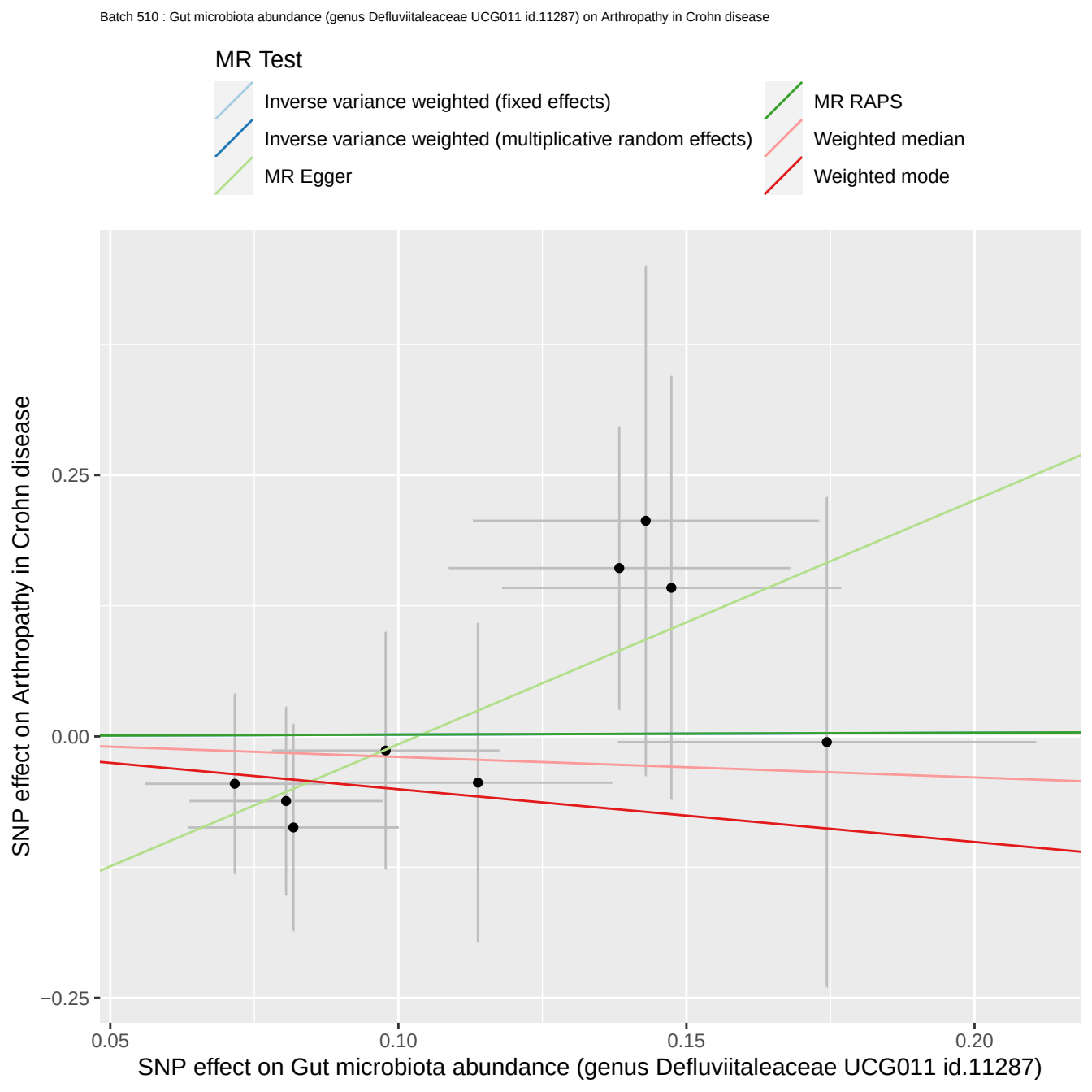


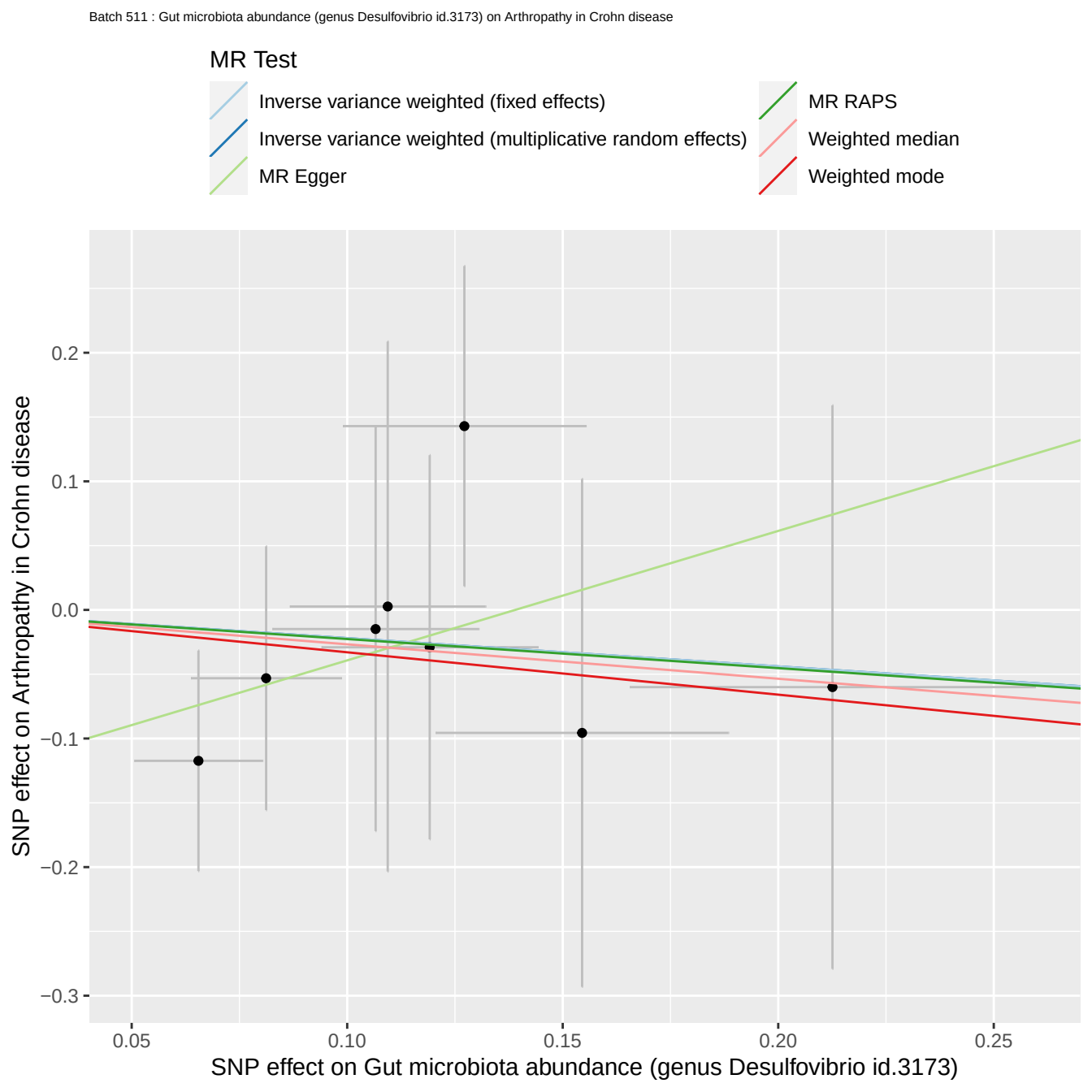

Batch 507 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

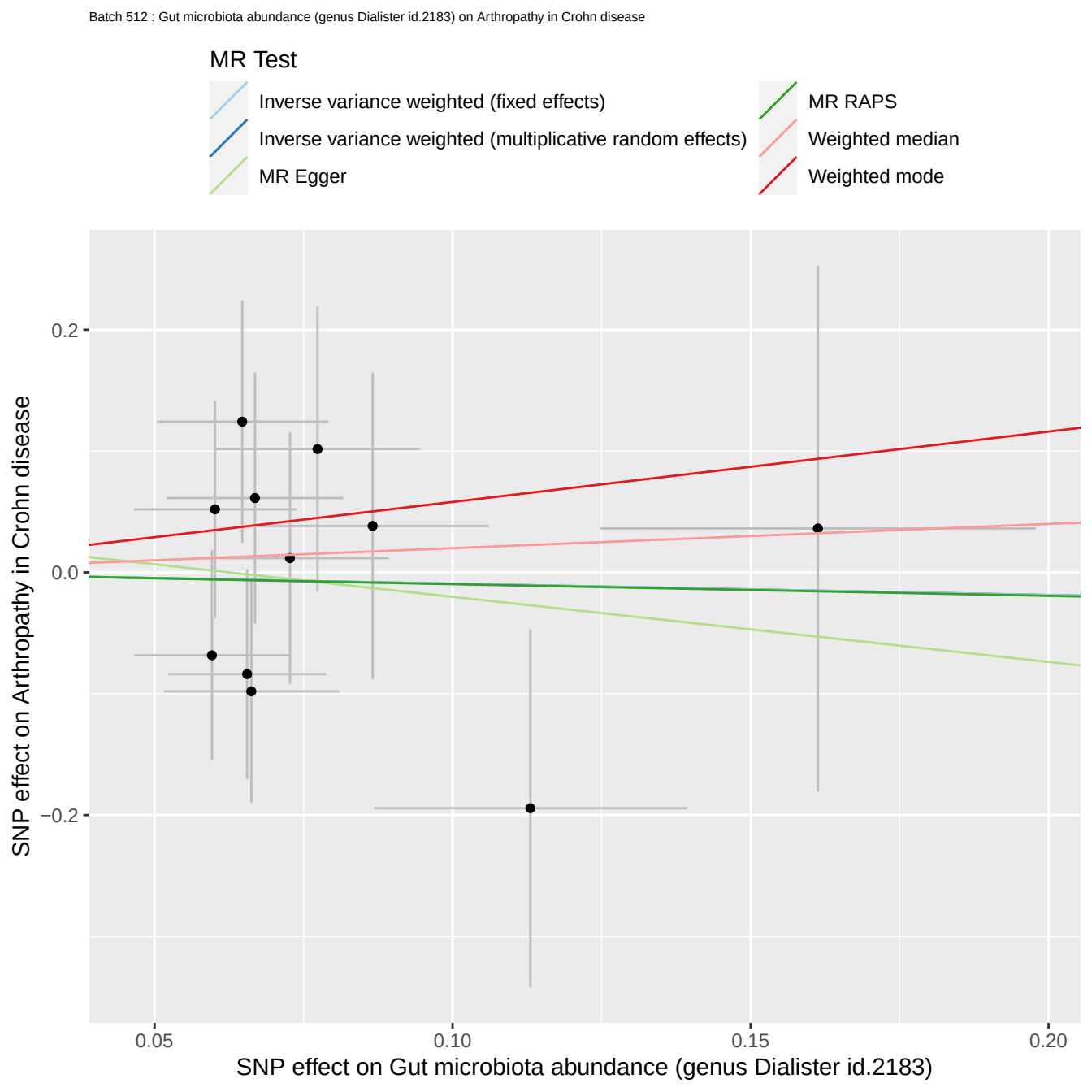
Batch 508 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Arthropathy in Crohn disease



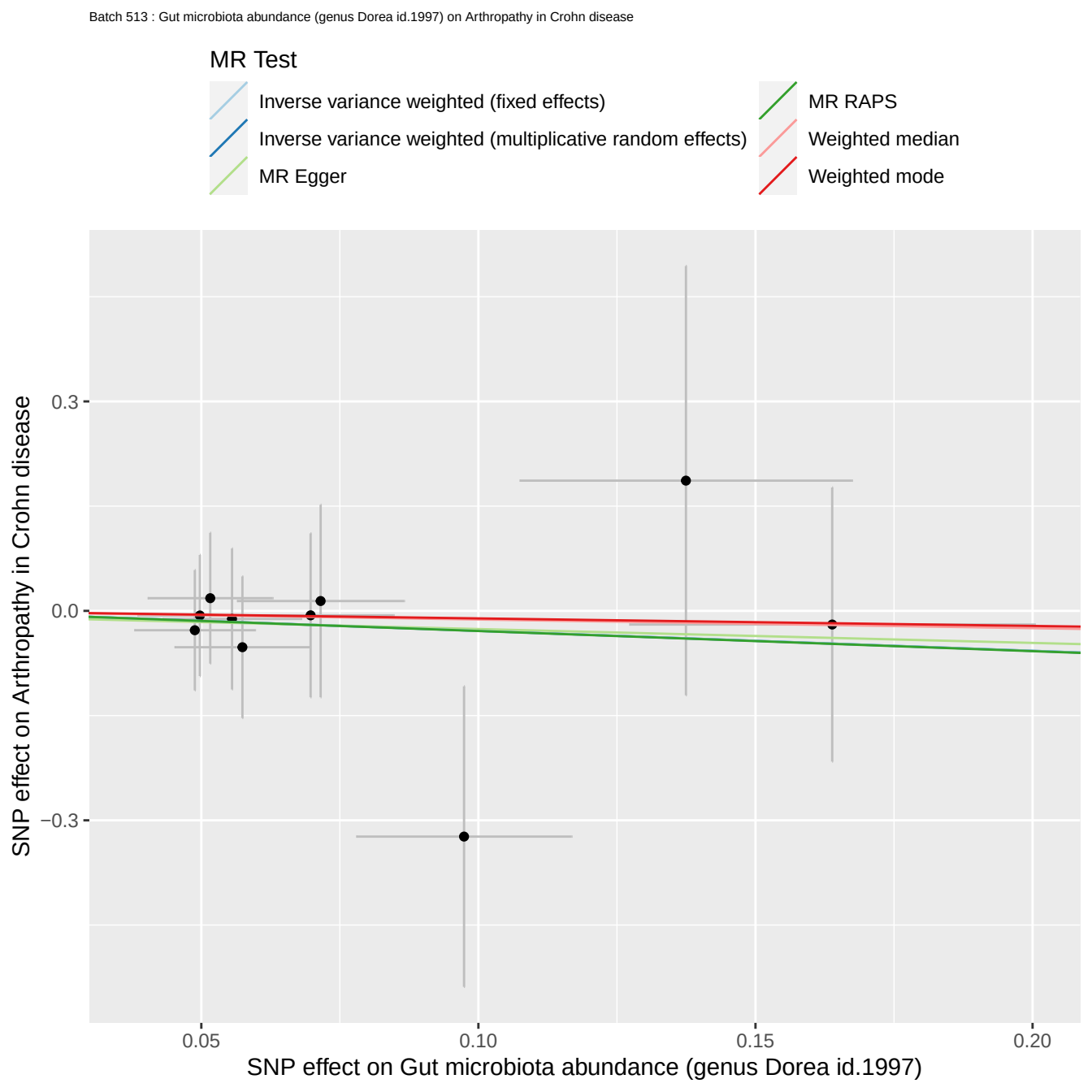

Batch 509 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)


Batch 510 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.25
0.00
−0.25
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

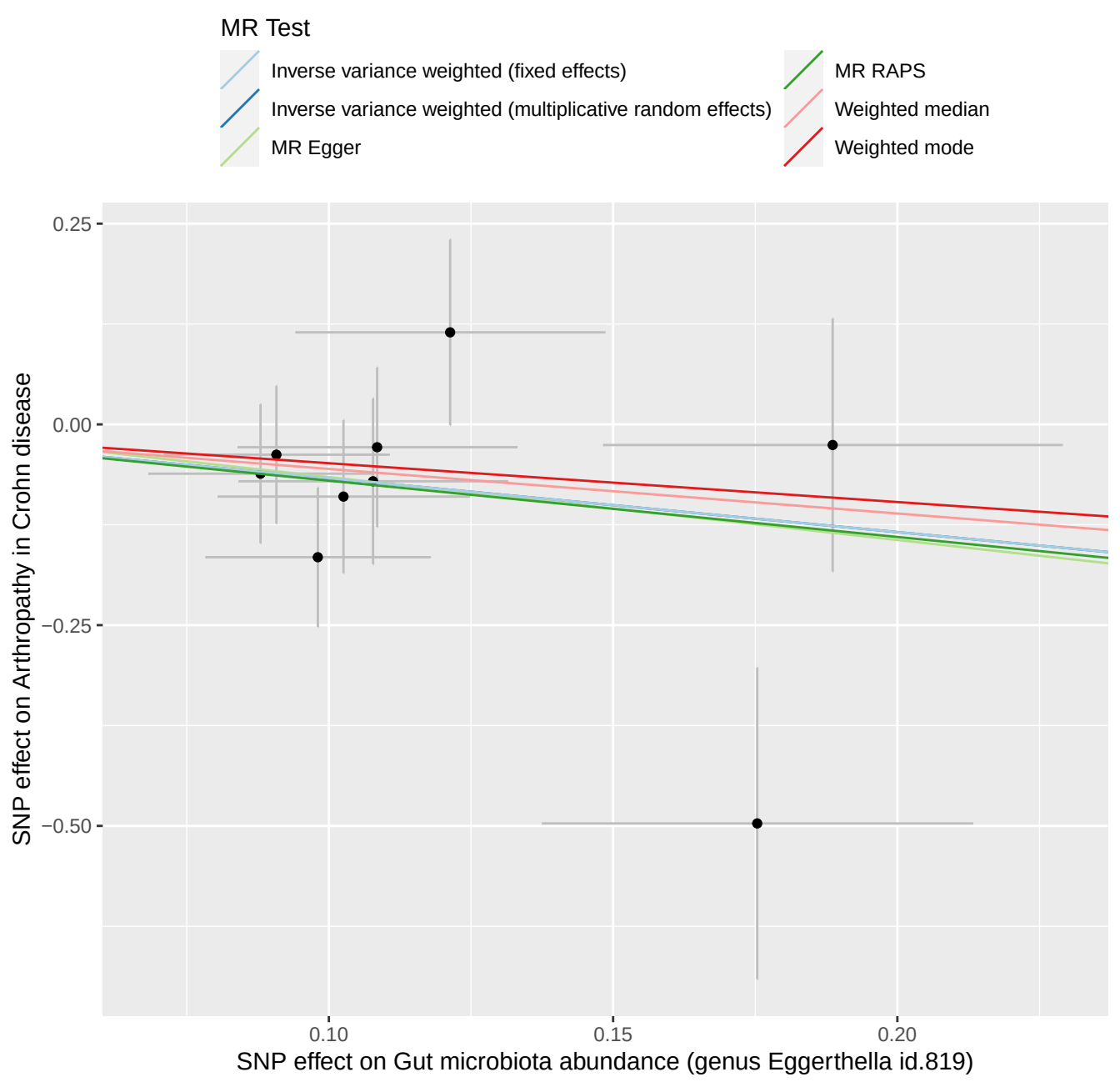

Batch 511 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

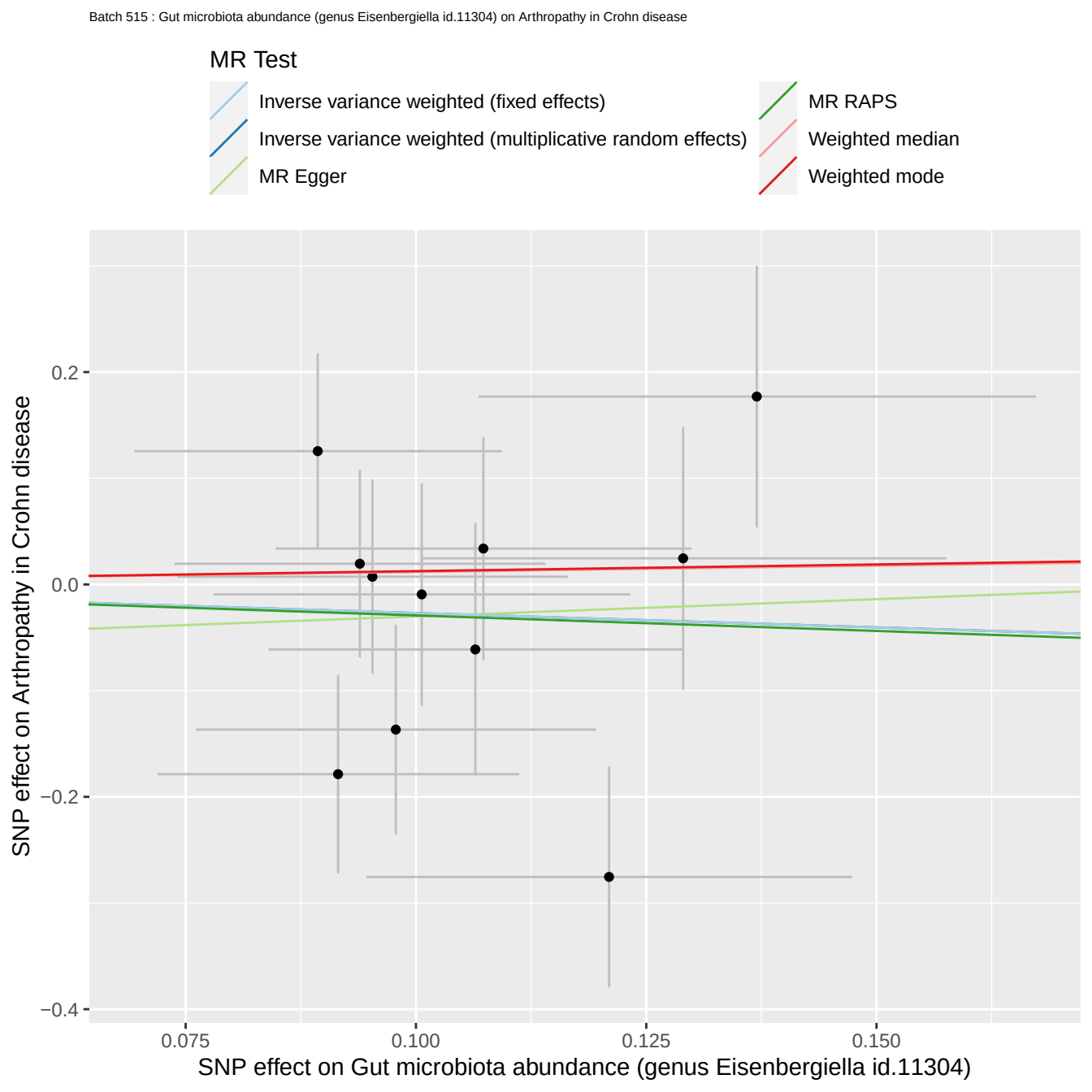

Batch 512 : Gut microbiota abundance (genus Dialister id.2183) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)

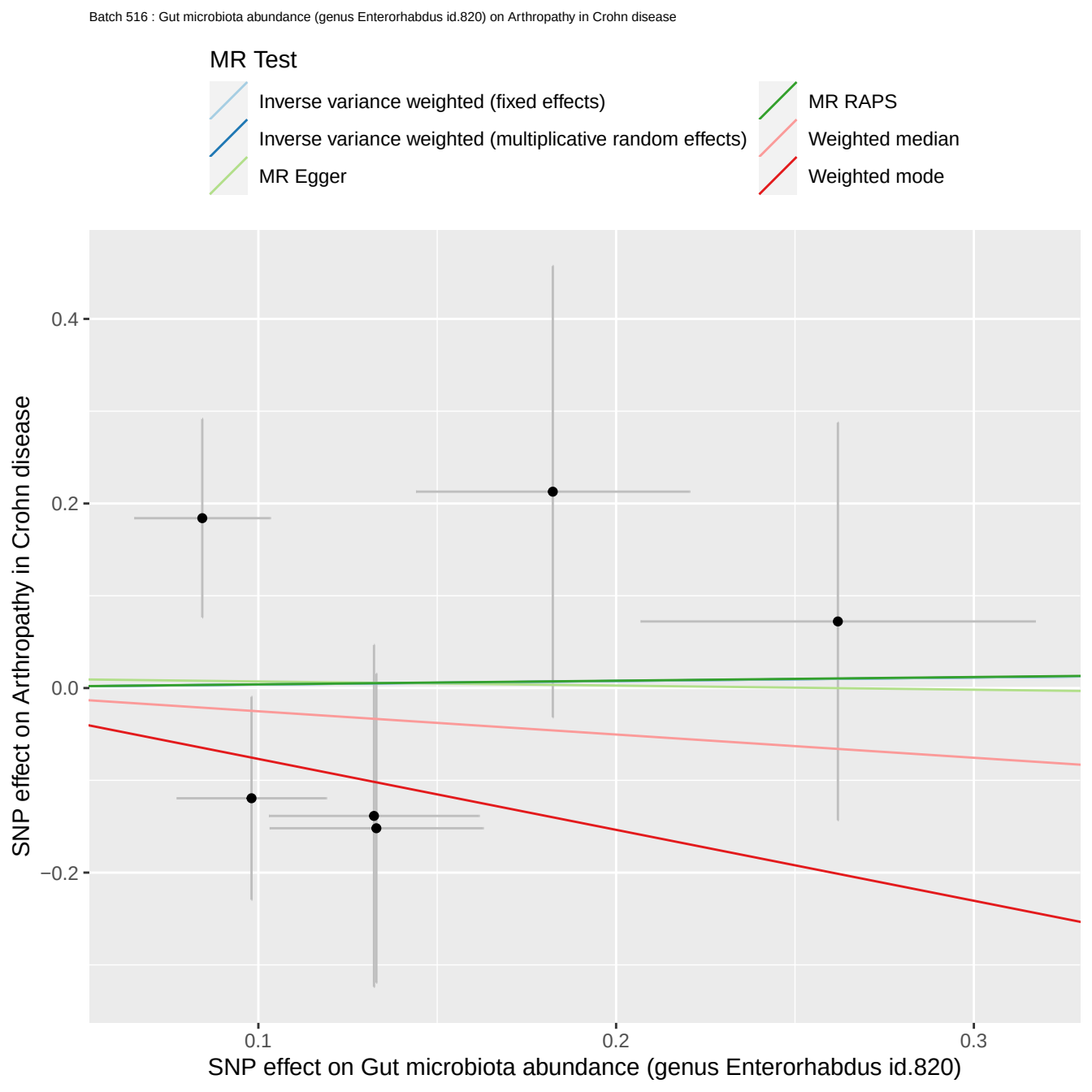
Batch 513 : Gut microbiota abundance (genus Dorea id.1997) on Arthropathy in Crohn disease

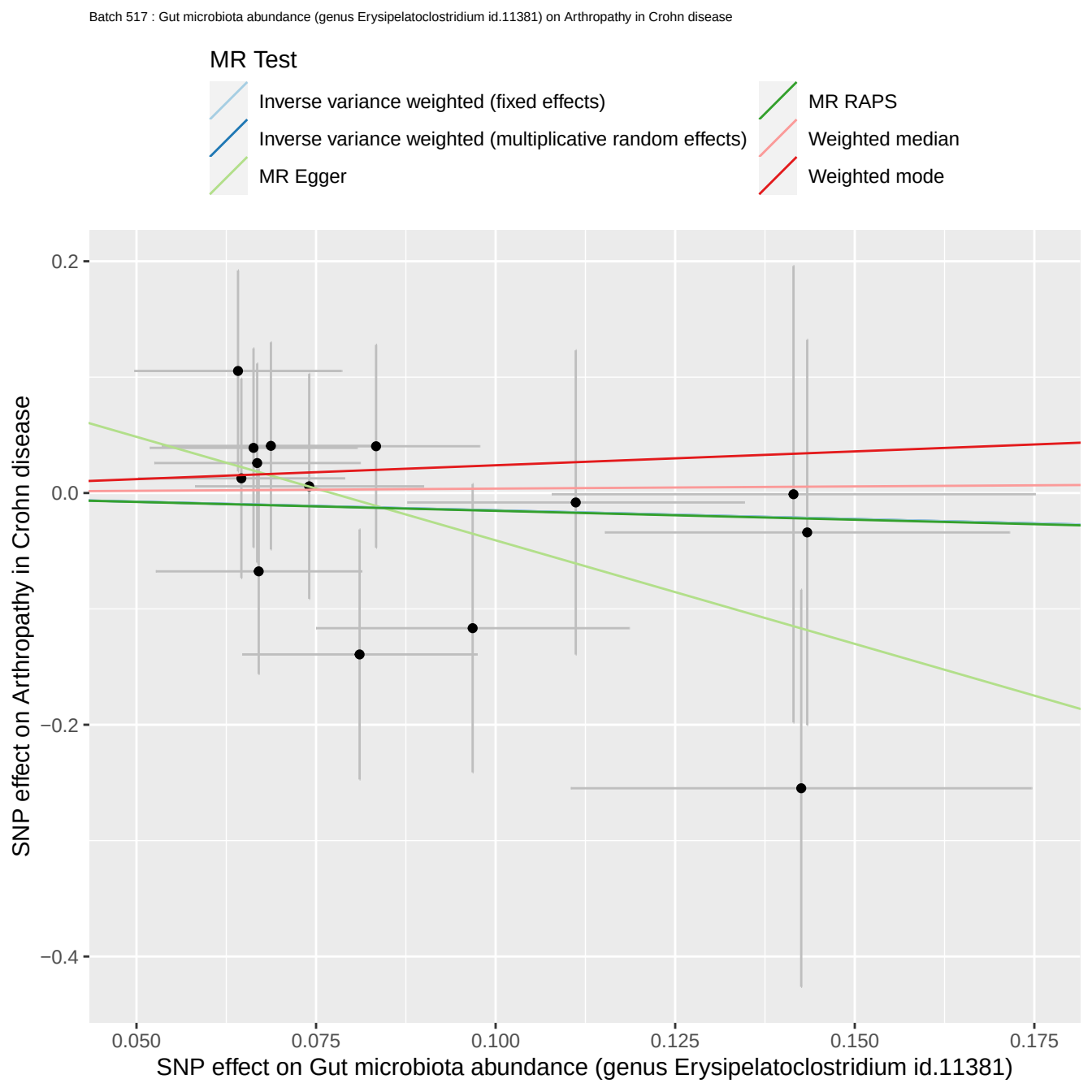


Batch 514 : Gut microbiota abundance (genus Eggerthella id.819) on Arthropathy in Crohn disease

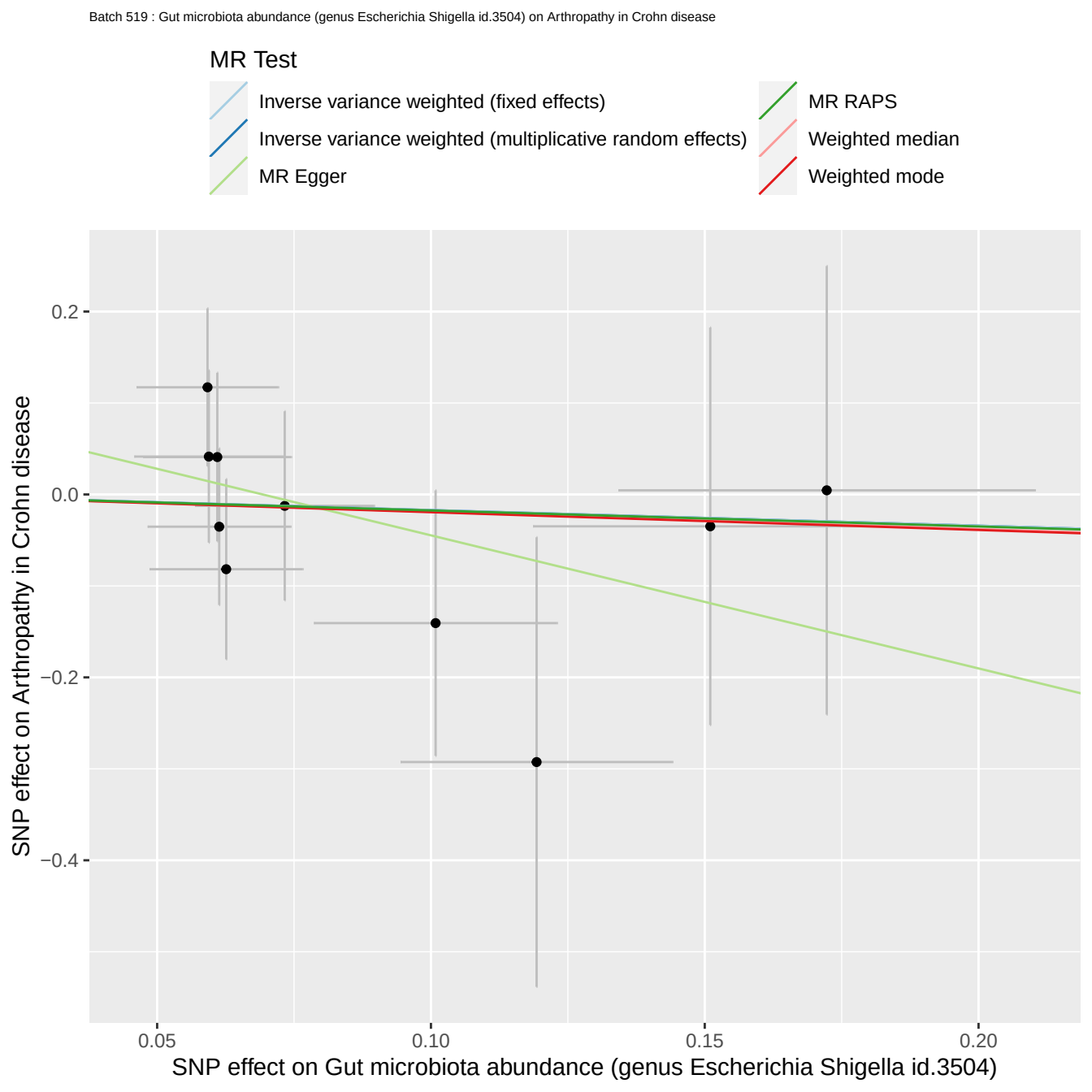


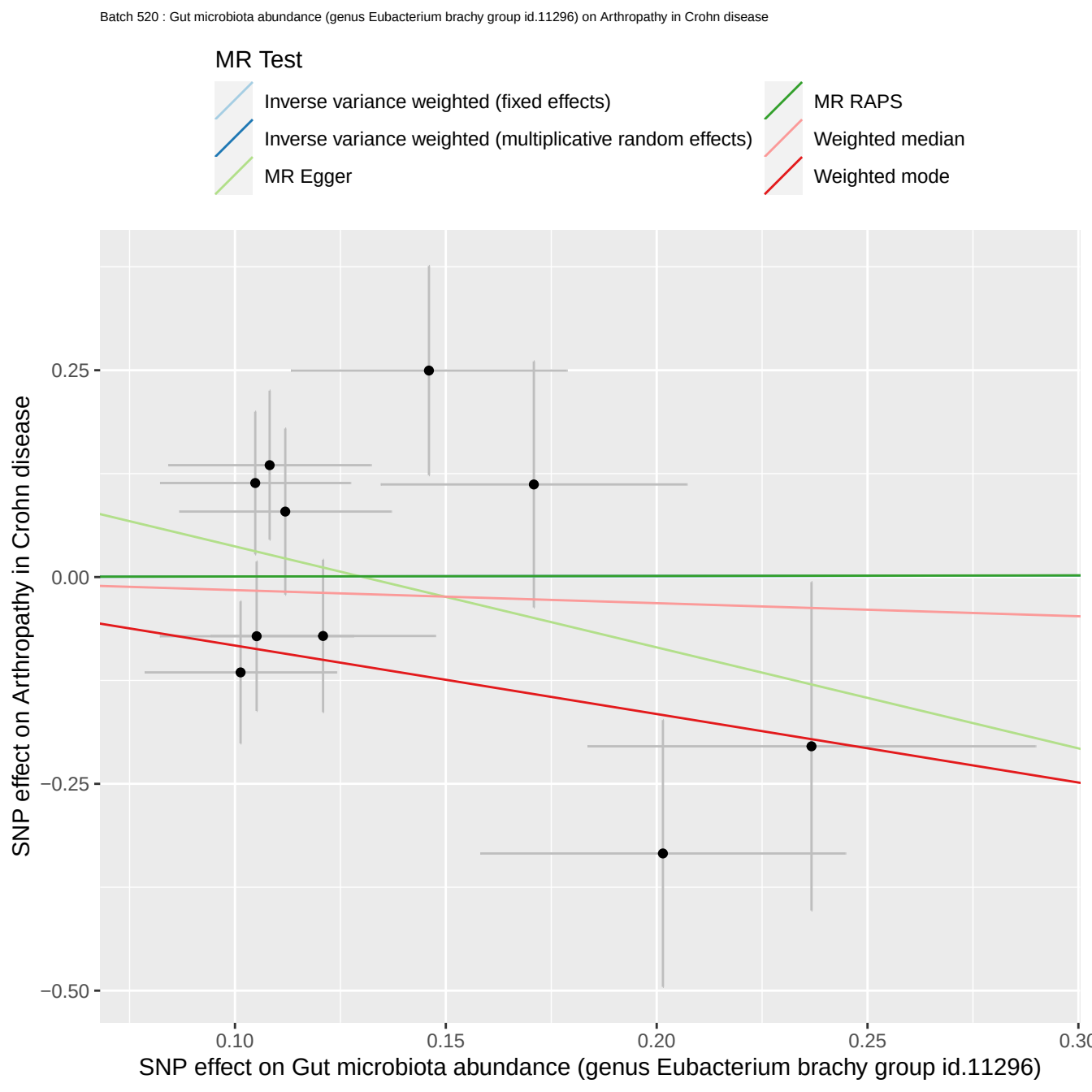

Batch 515 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)


Batch 516 : Gut microbiota abundance (genus Enterorhabdus id.820) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)

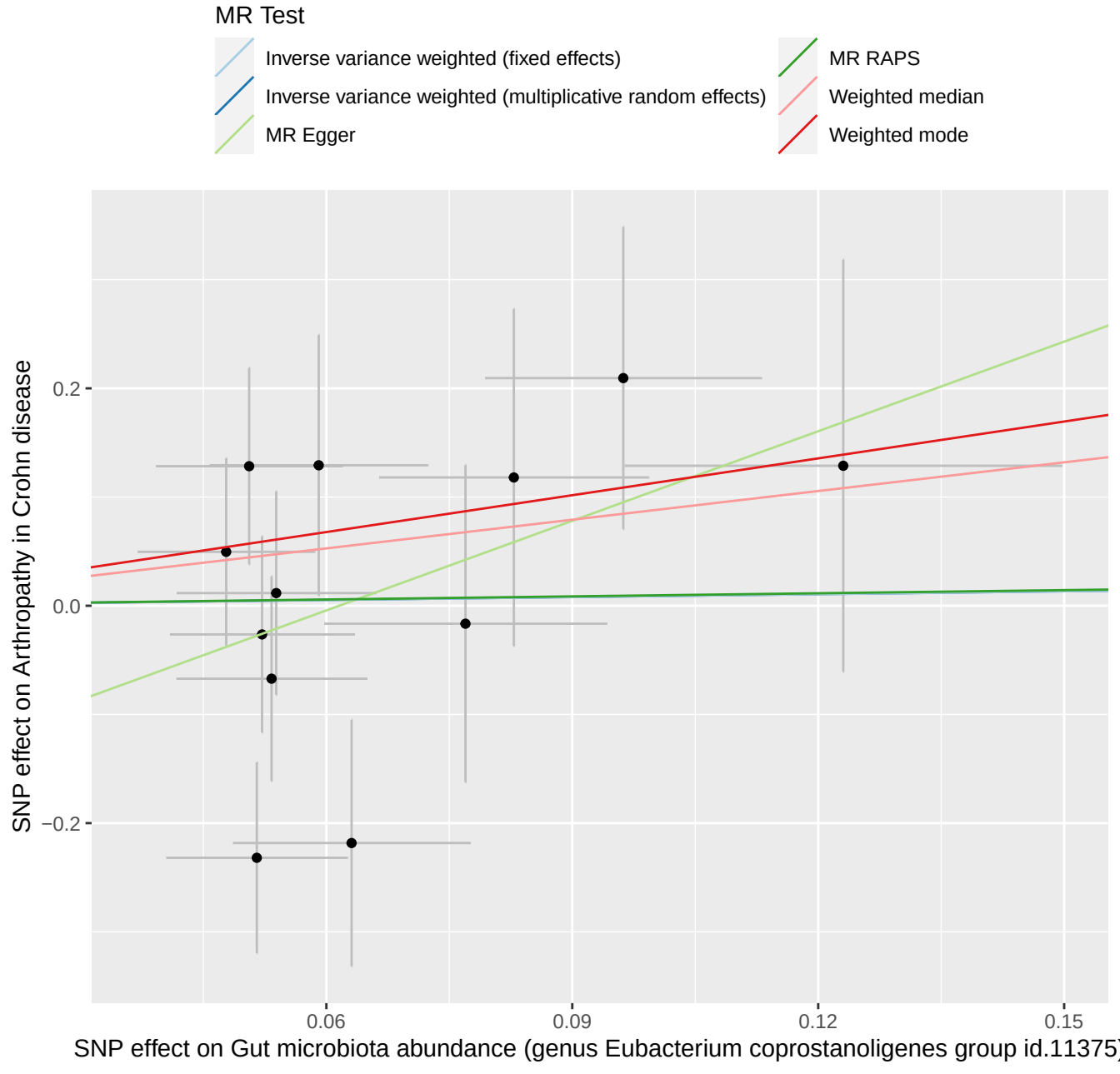

Batch 517 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Arthropathy in Crohn disease
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

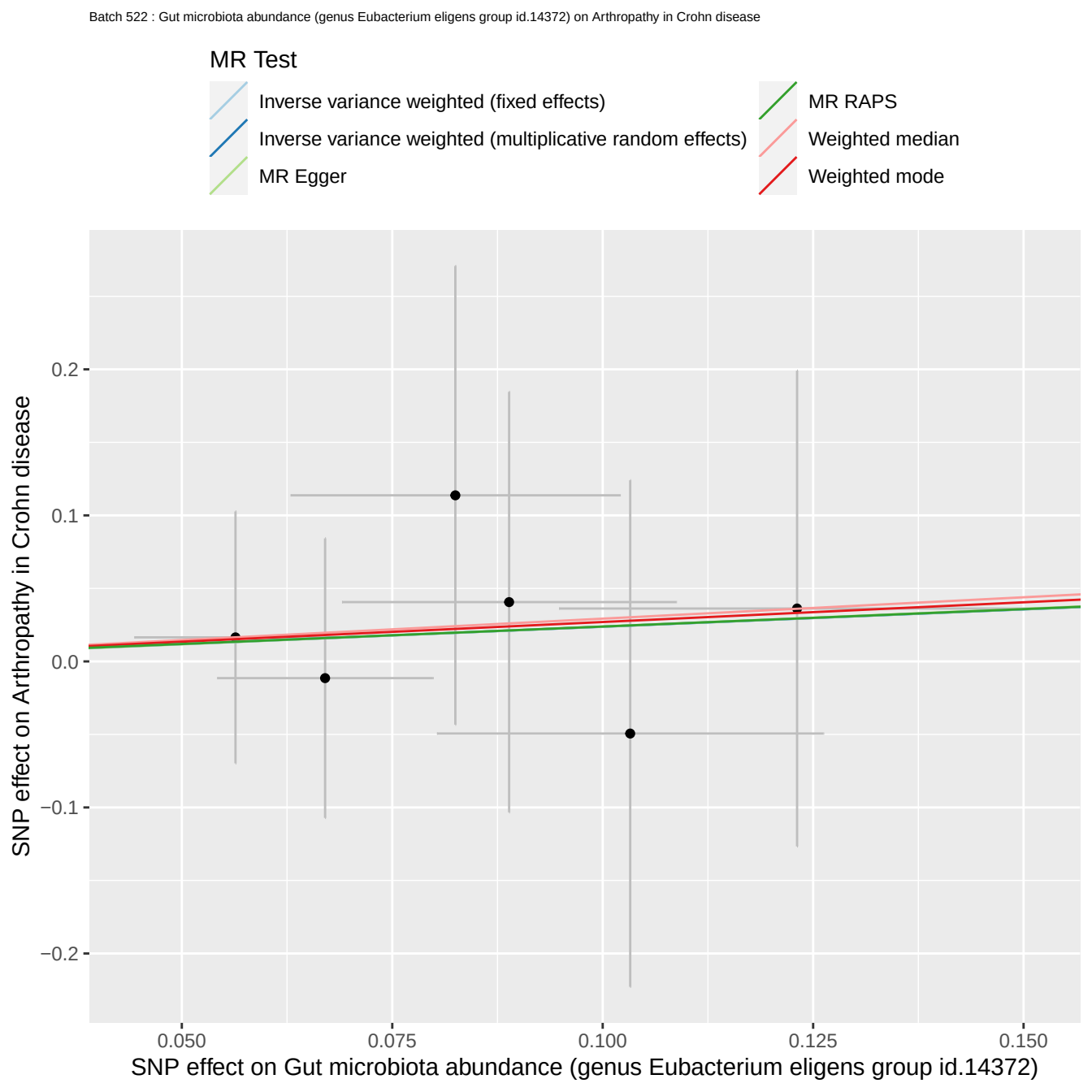
Insufficient number of SNPs

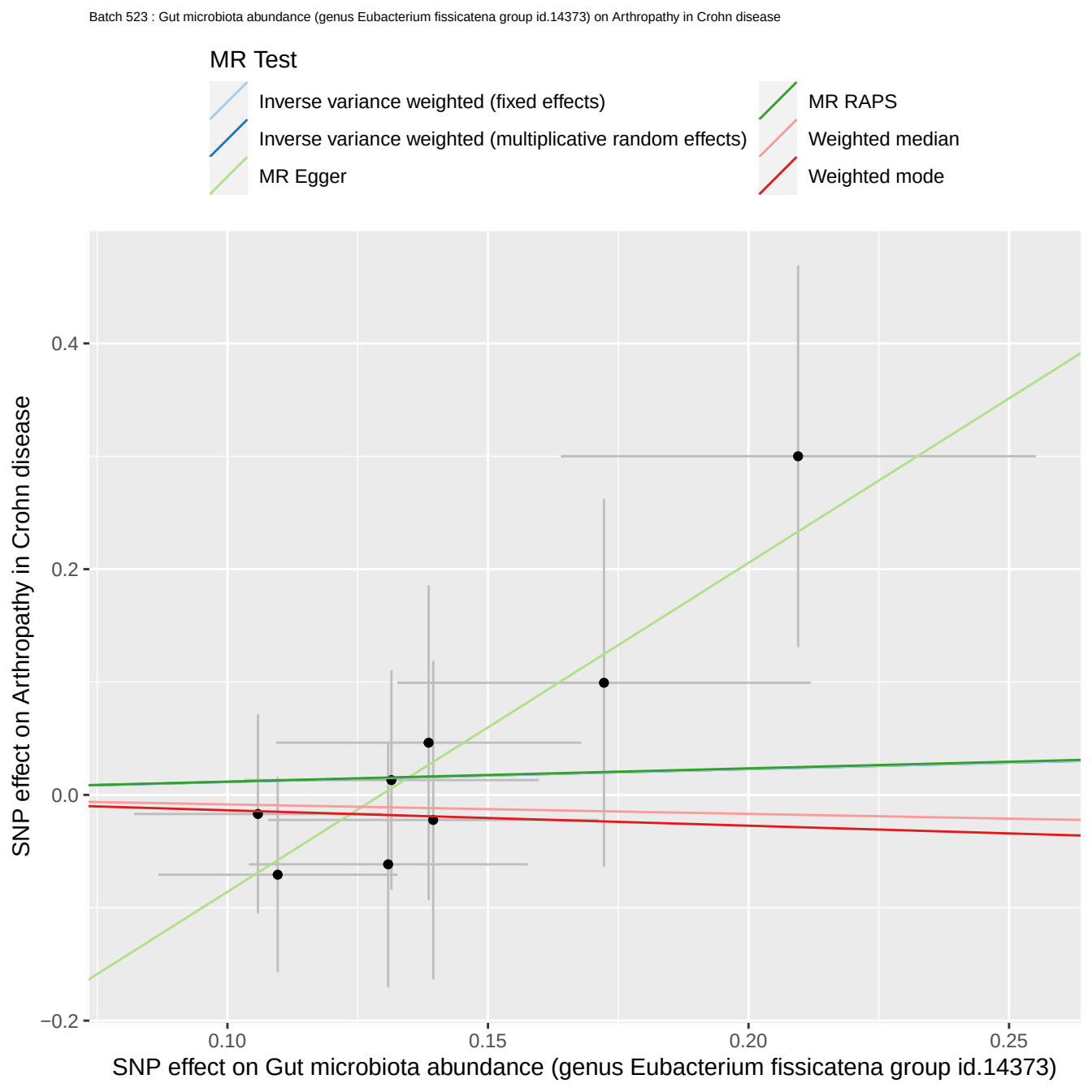

Batch 519 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)


Batch 520 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.25
0.00
−0.25
−0.50
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

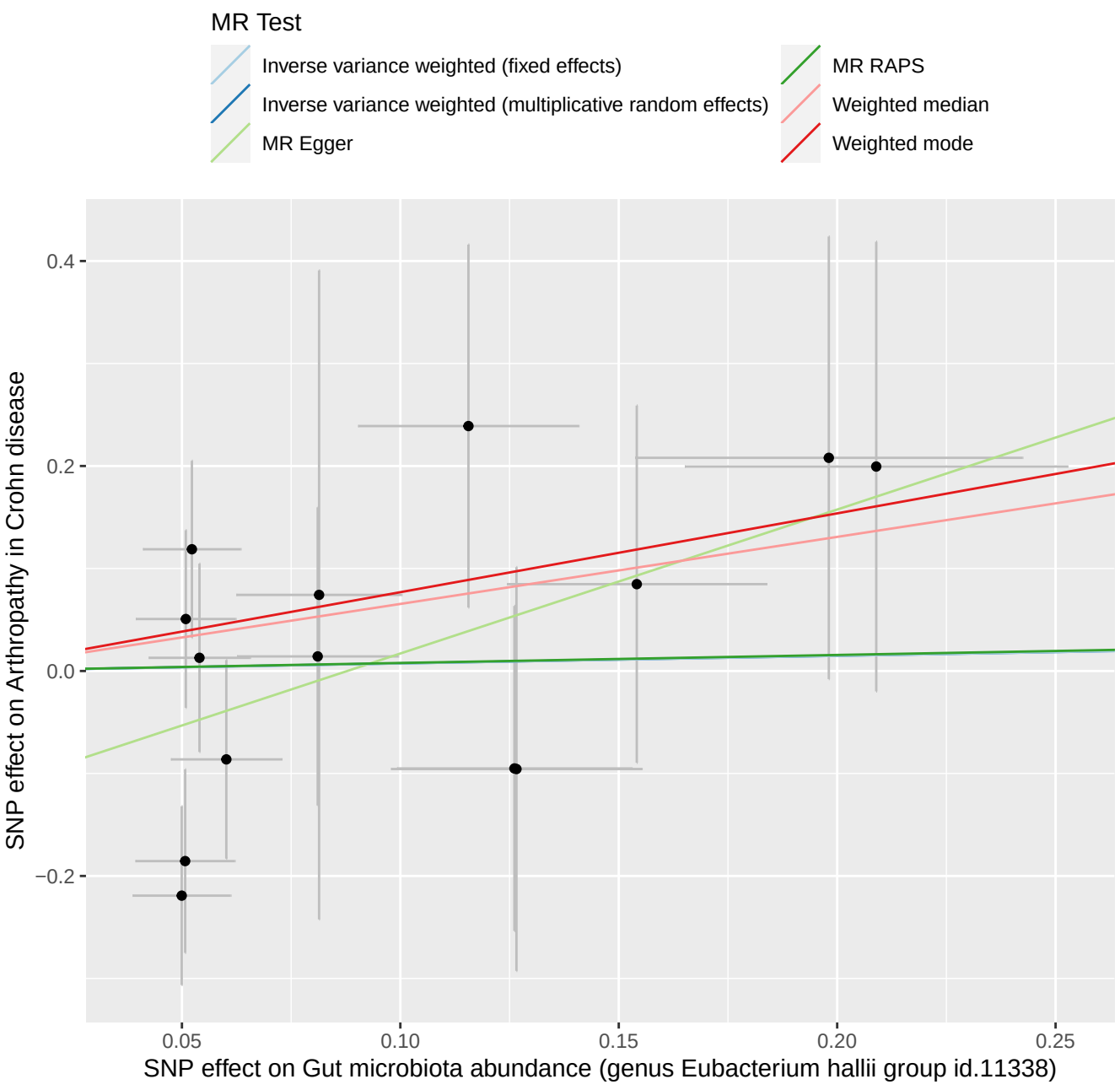
Batch 521 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Arthropathy in Crohn disease

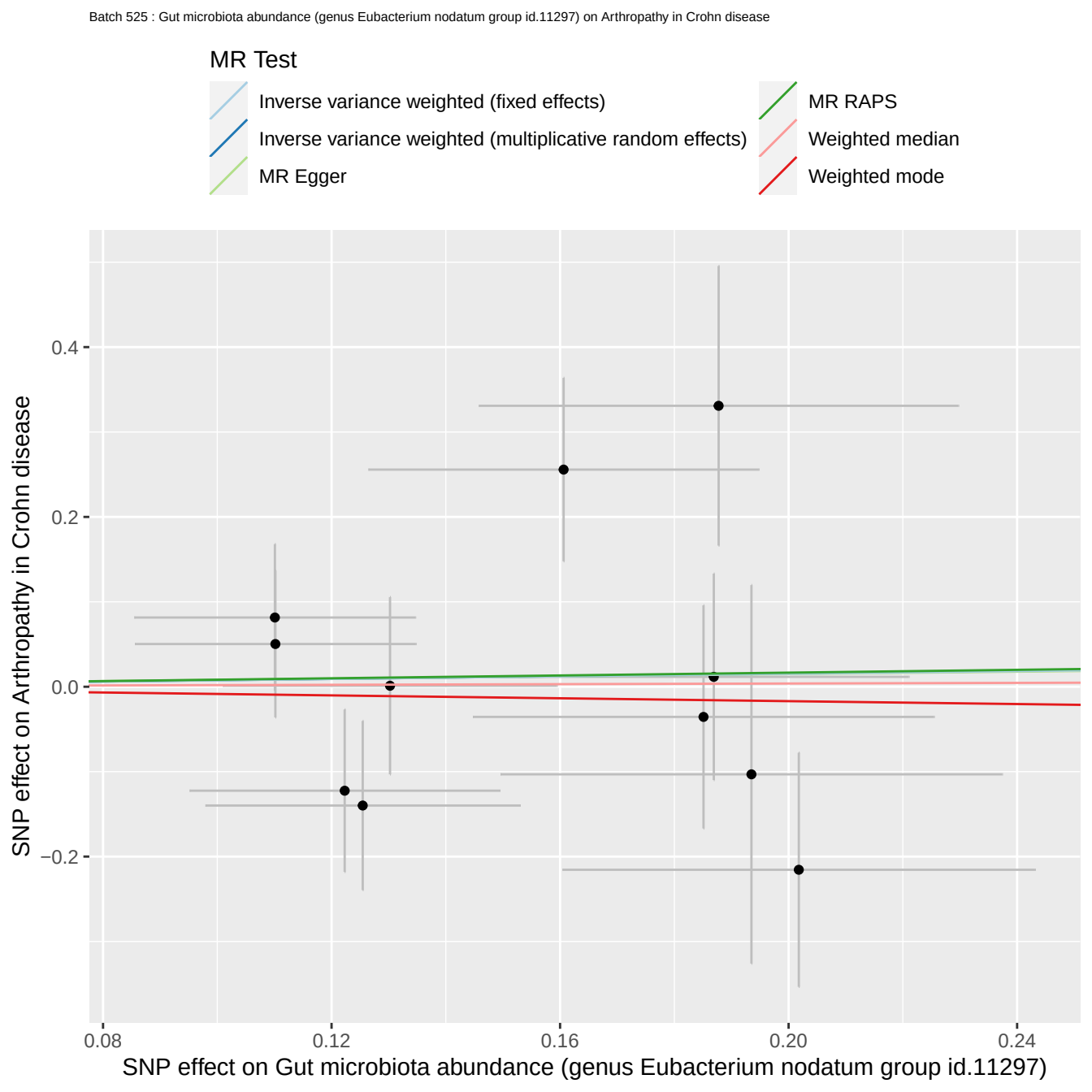



Batch 522 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

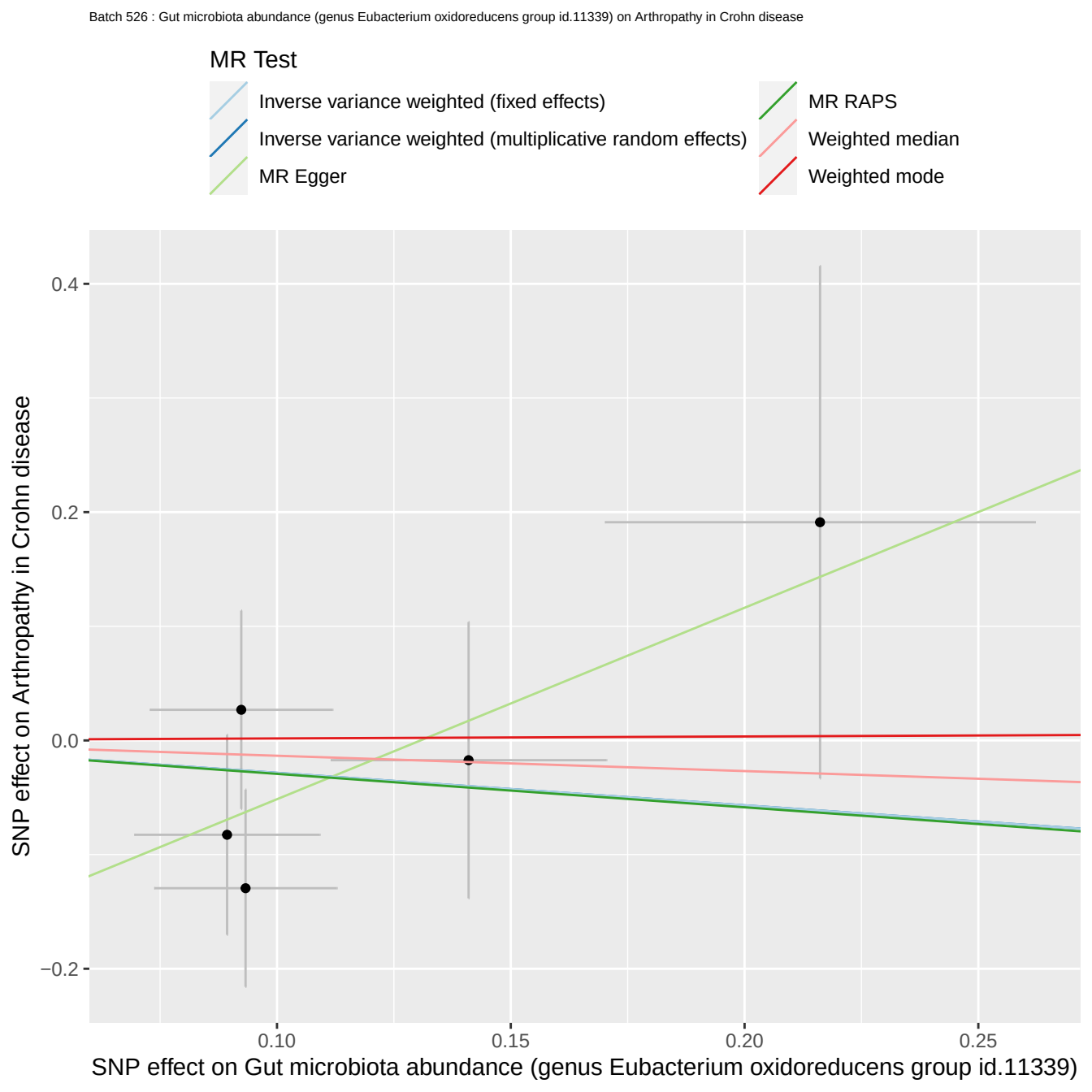

Batch 523 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

Batch 524 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Arthropathy in Crohn disease

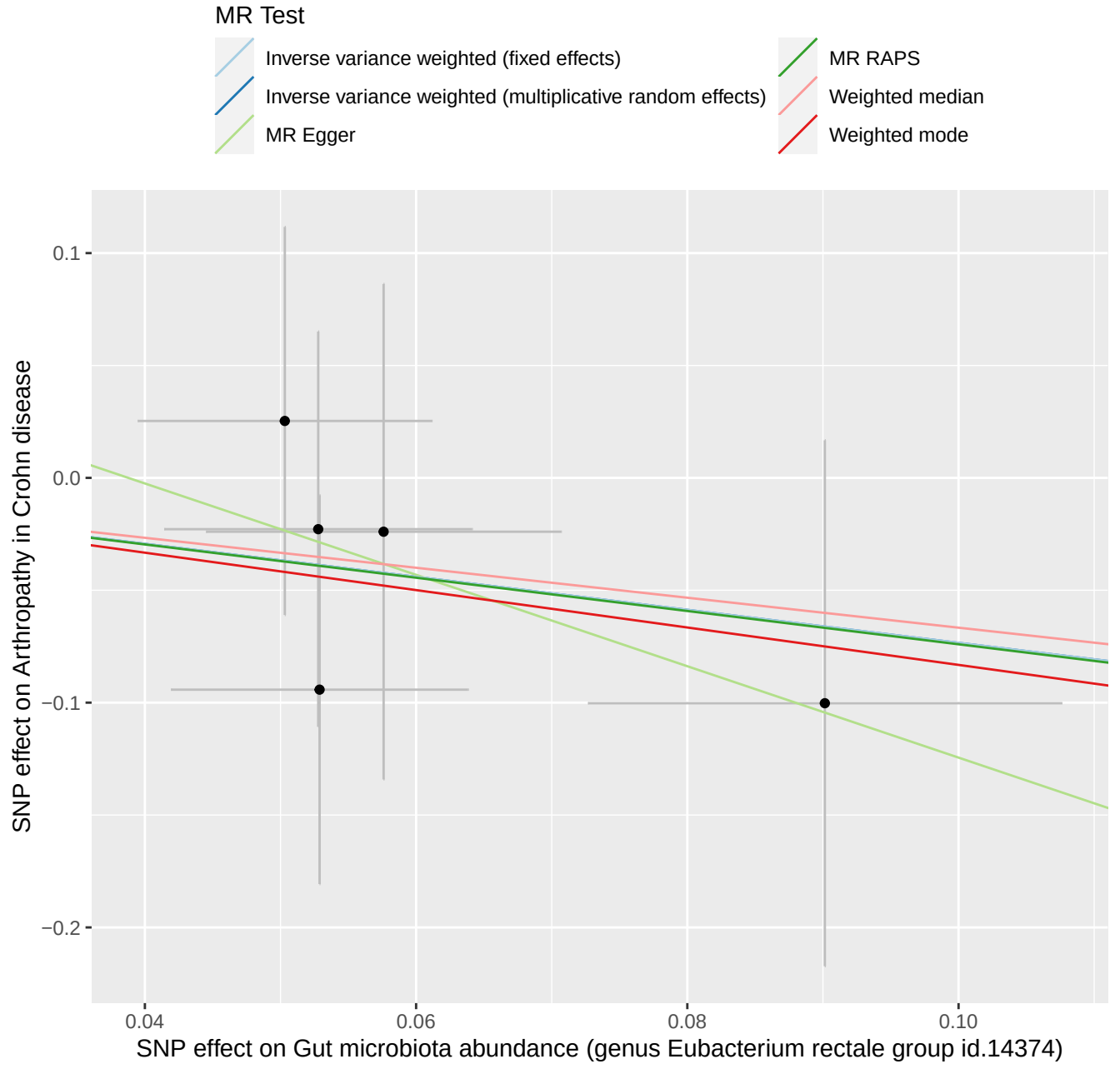



Batch 525 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Eubacterium nodatum group id.11297)

Batch 526 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Arthropathy in Crohn disease

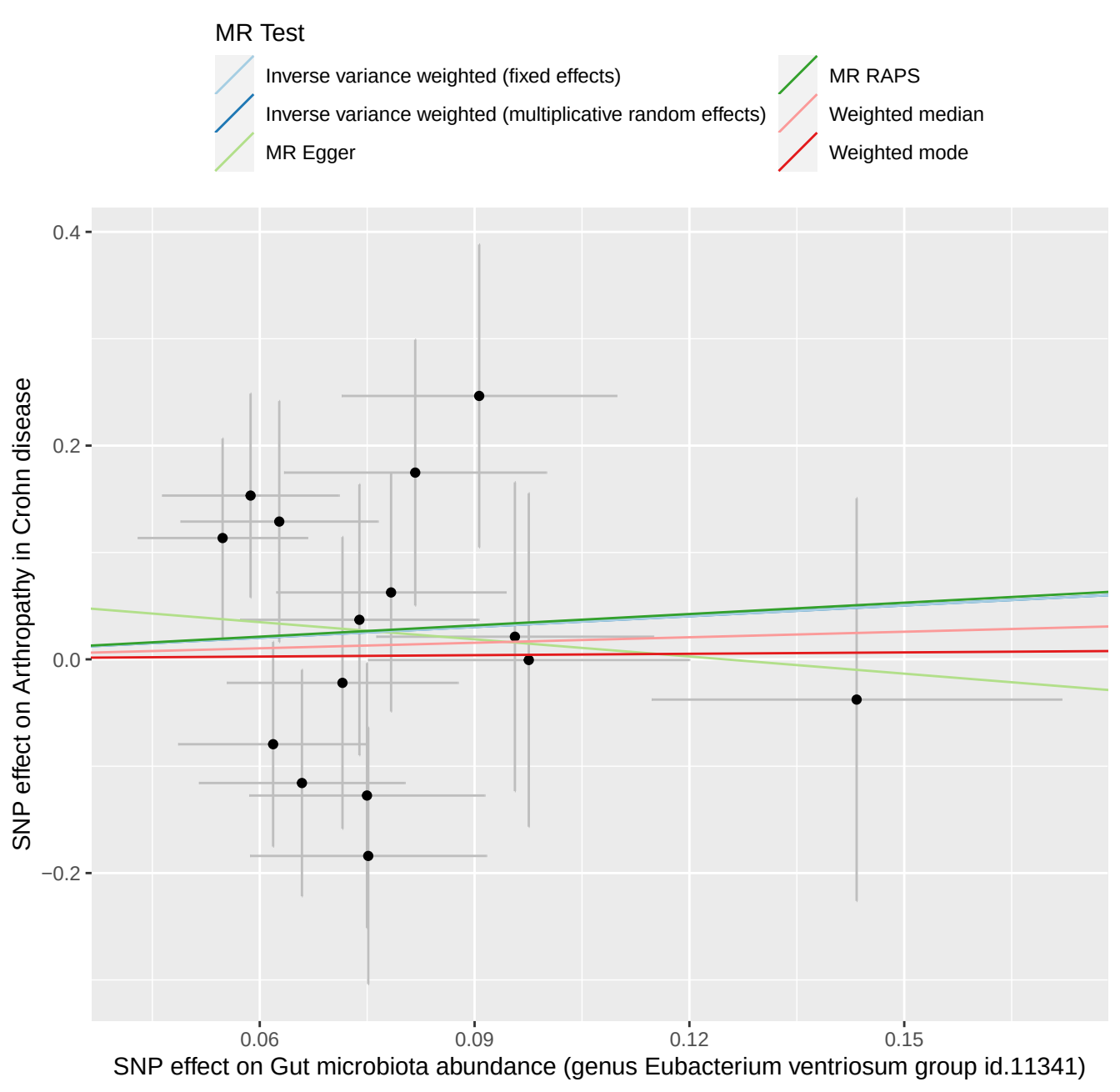


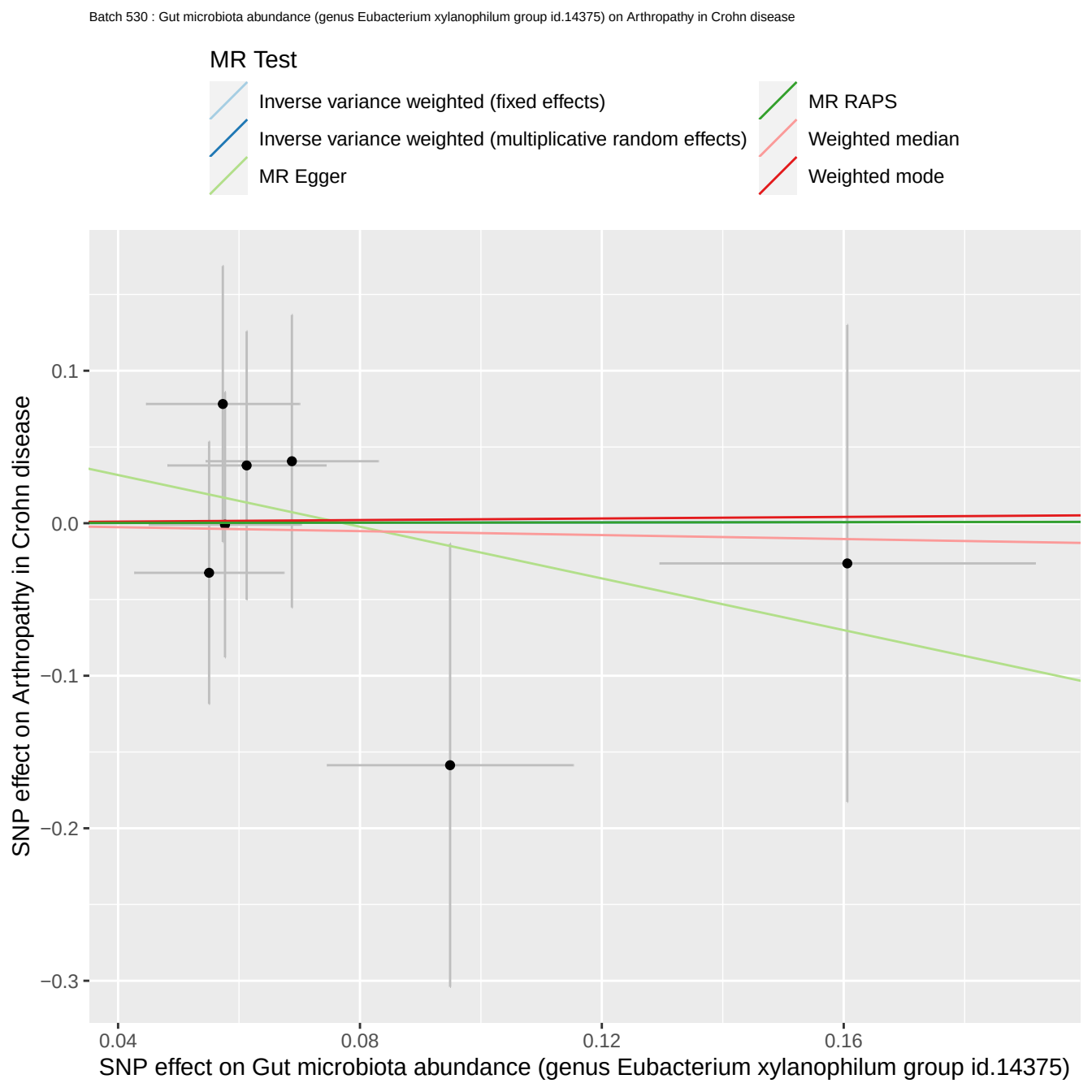
Batch 527 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Arthropathy in Crohn disease

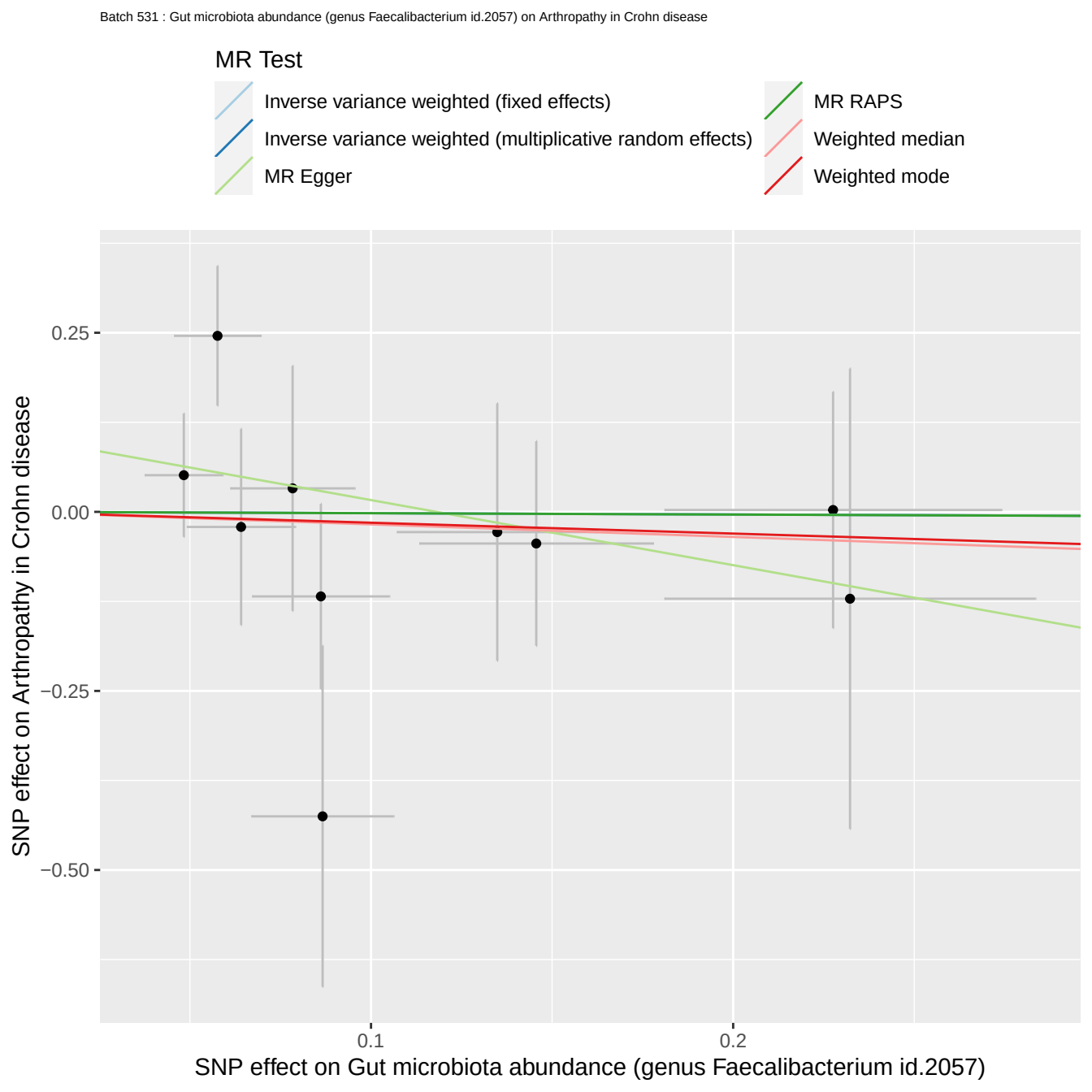


Batch 528 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

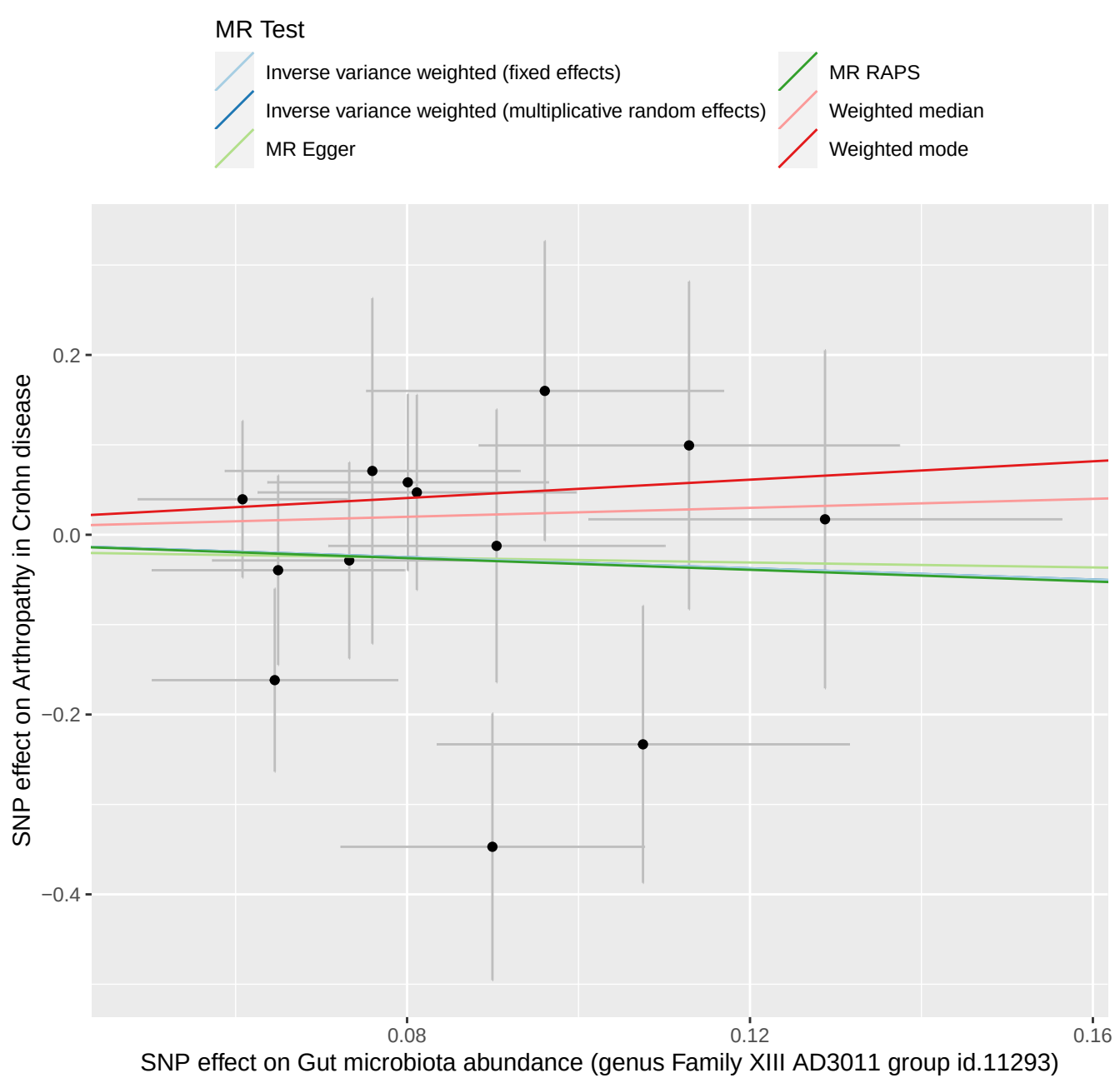
Batch 529 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Arthropathy in Crohn disease



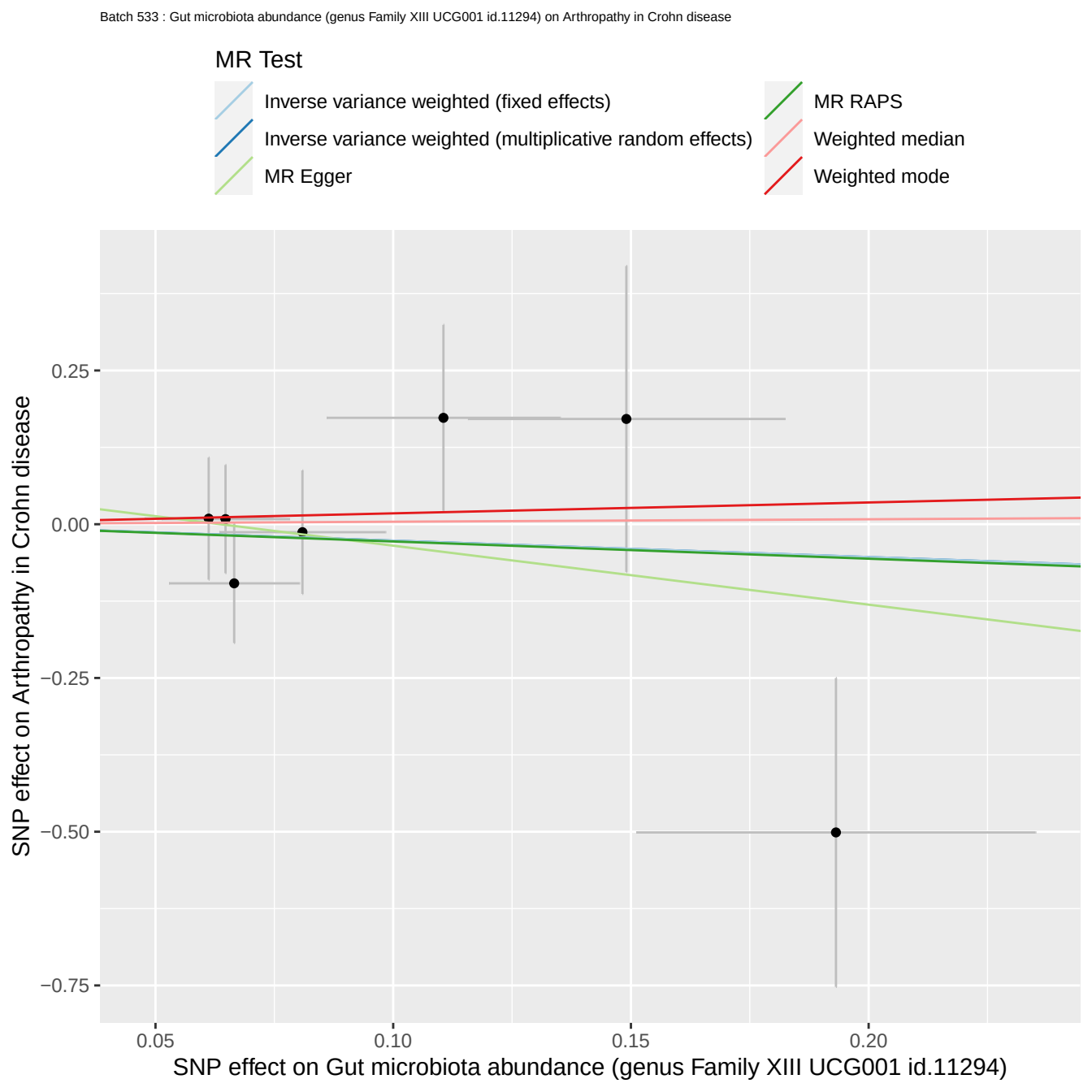

Batch 530 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)


Batch 531 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
SNP effect on Arthropathy in Crohn disease
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

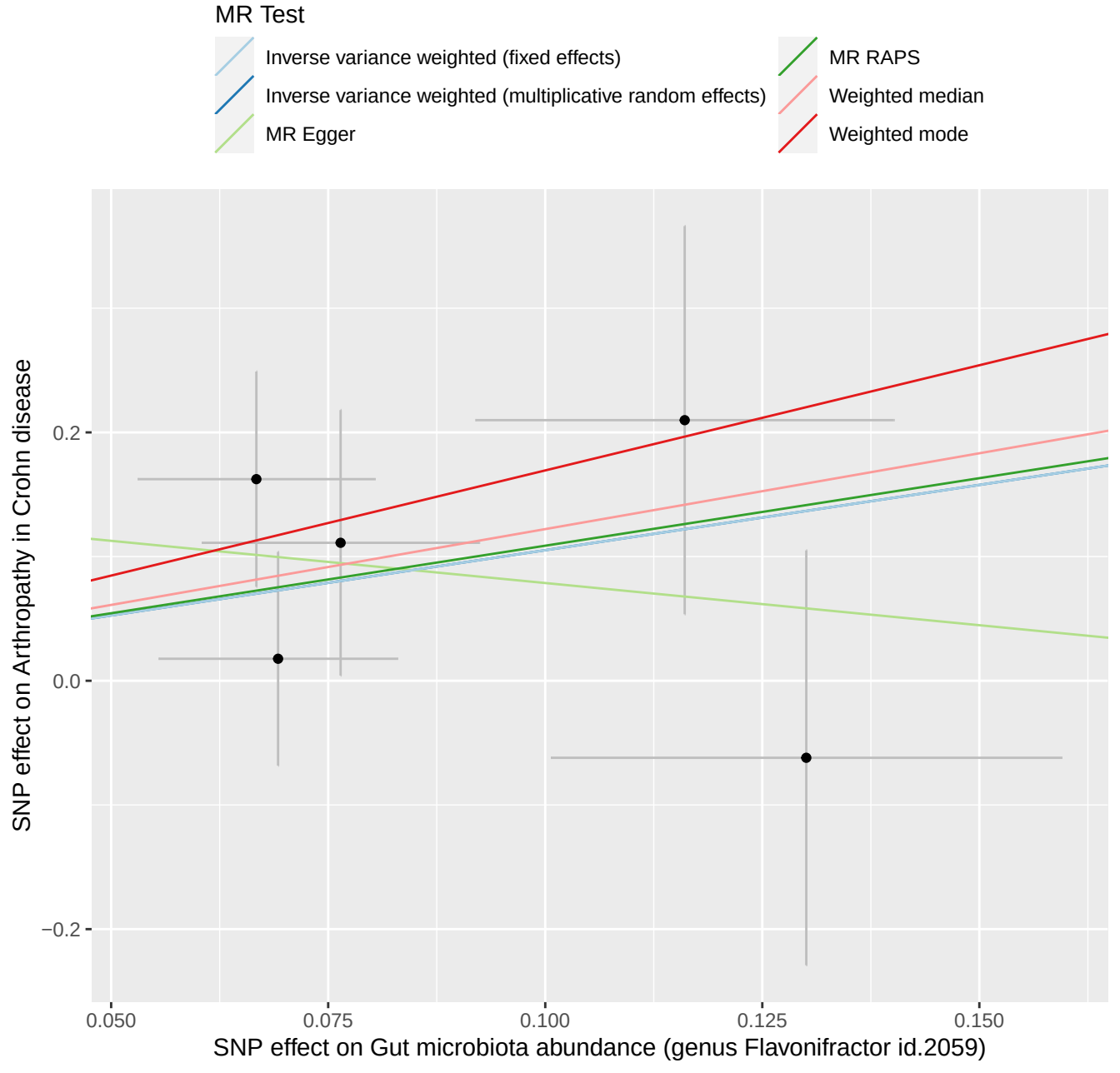
Batch 532 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Arthropathy in Crohn disease

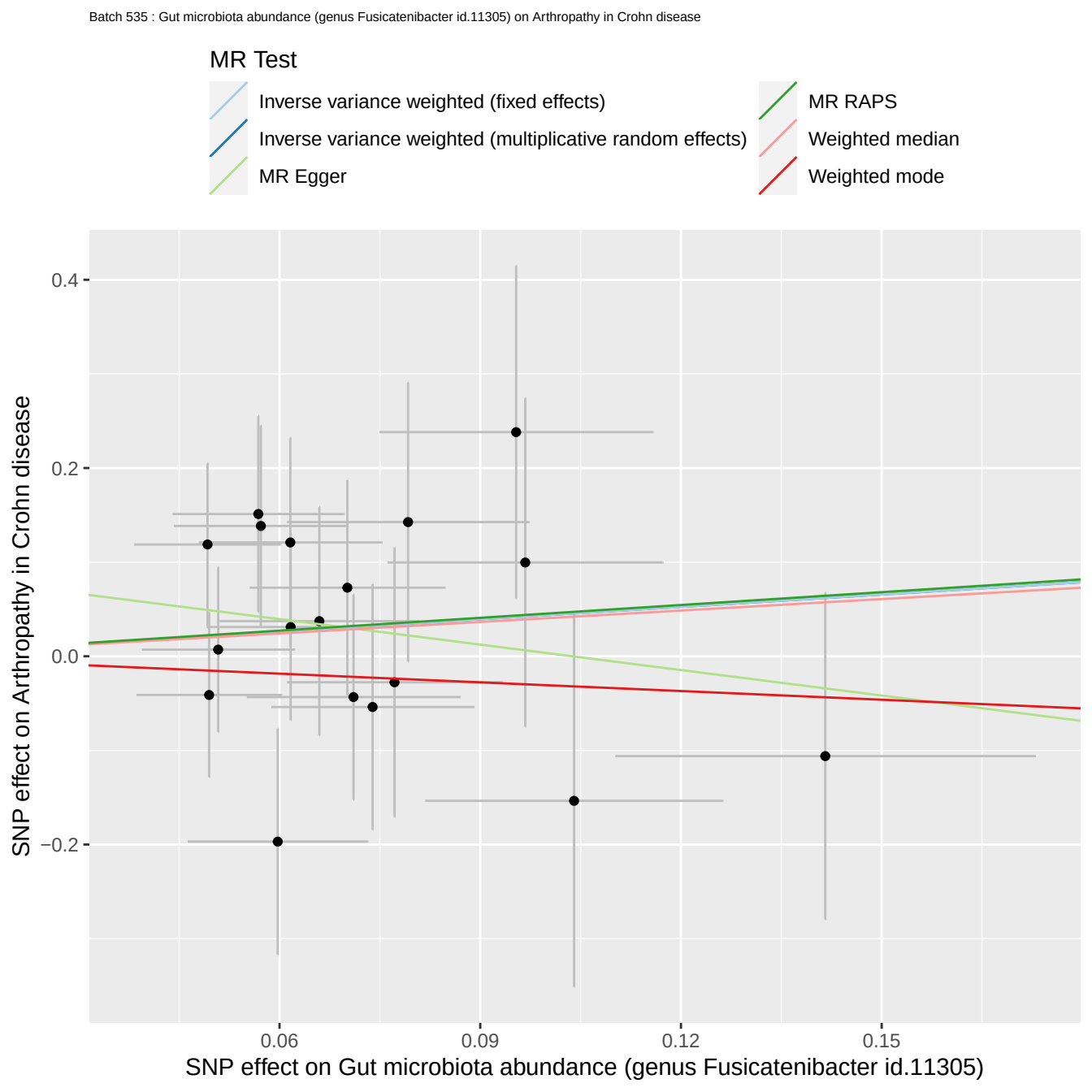


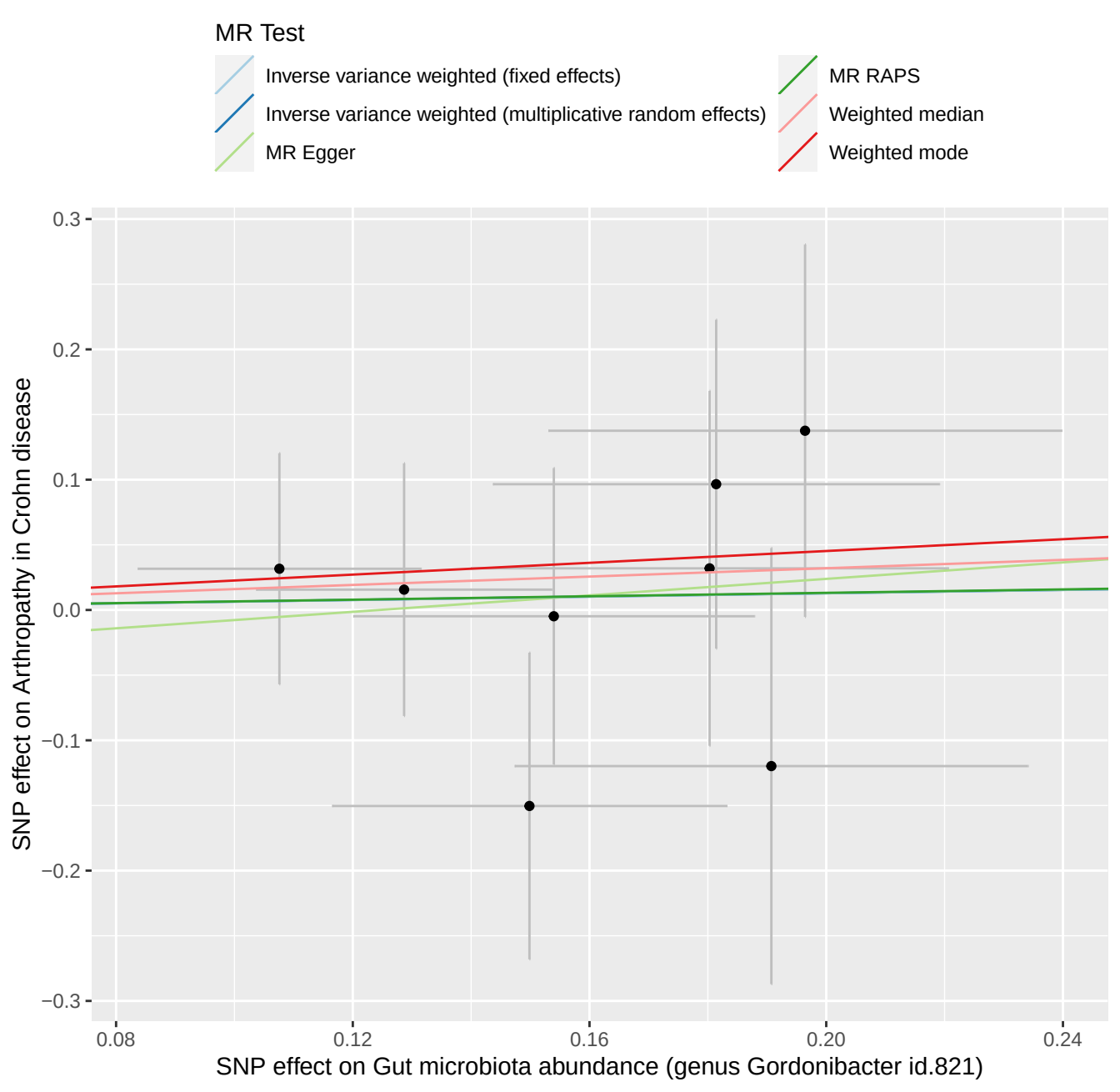
Batch 533 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Arthropathy in Crohn disease

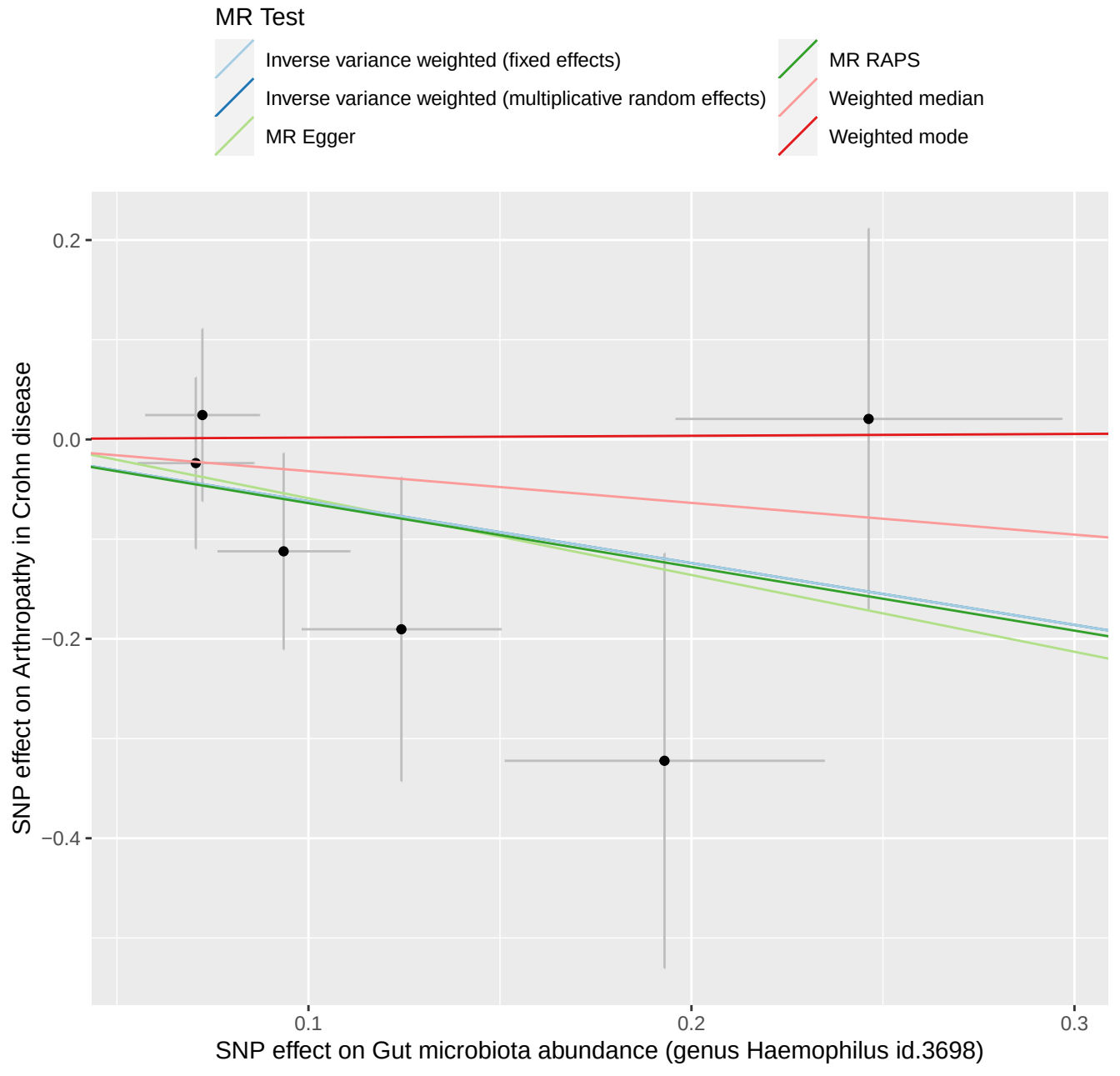


Batch 534 : Gut microbiota abundance (genus Flavonifractor id.2059) on Arthropathy in Crohn disease

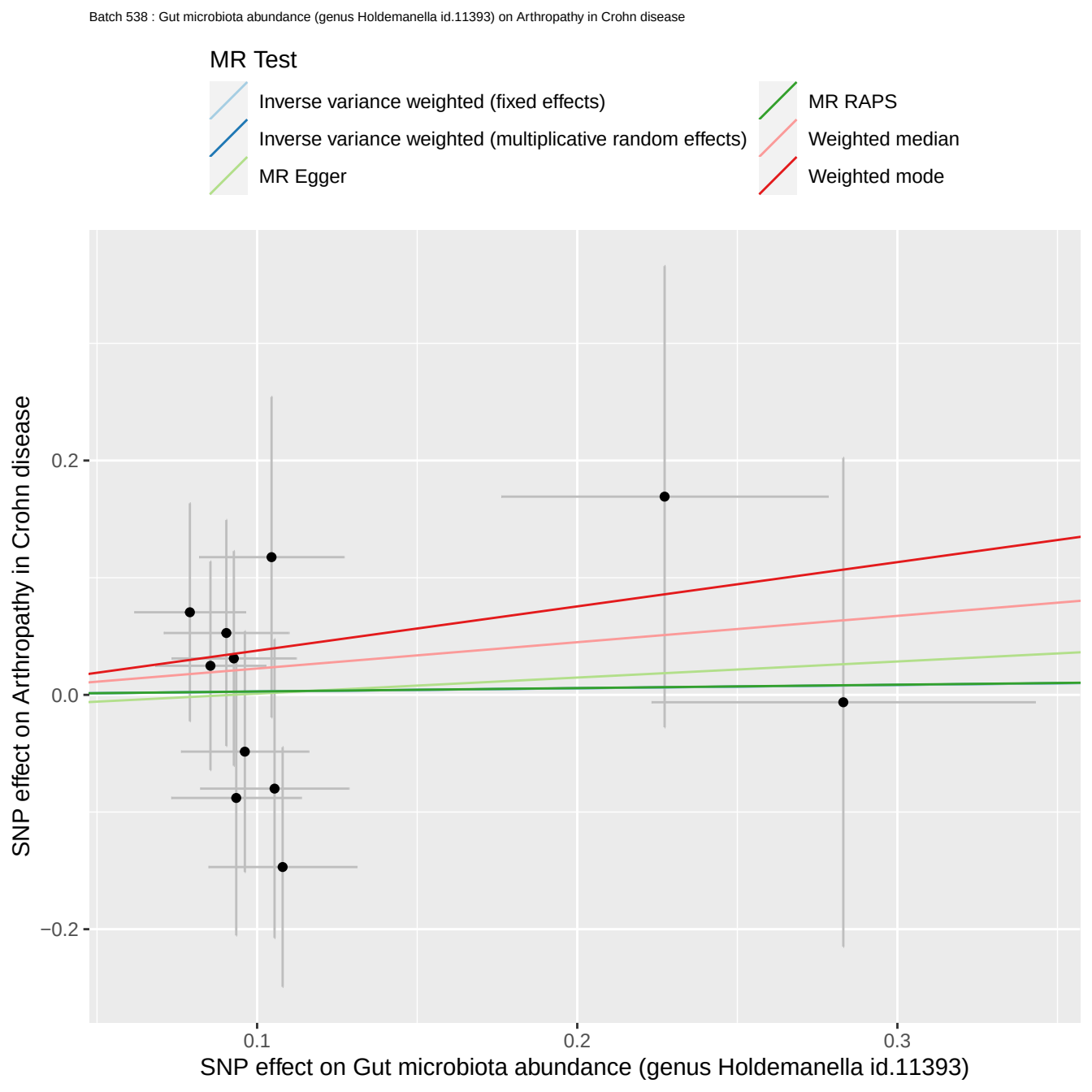


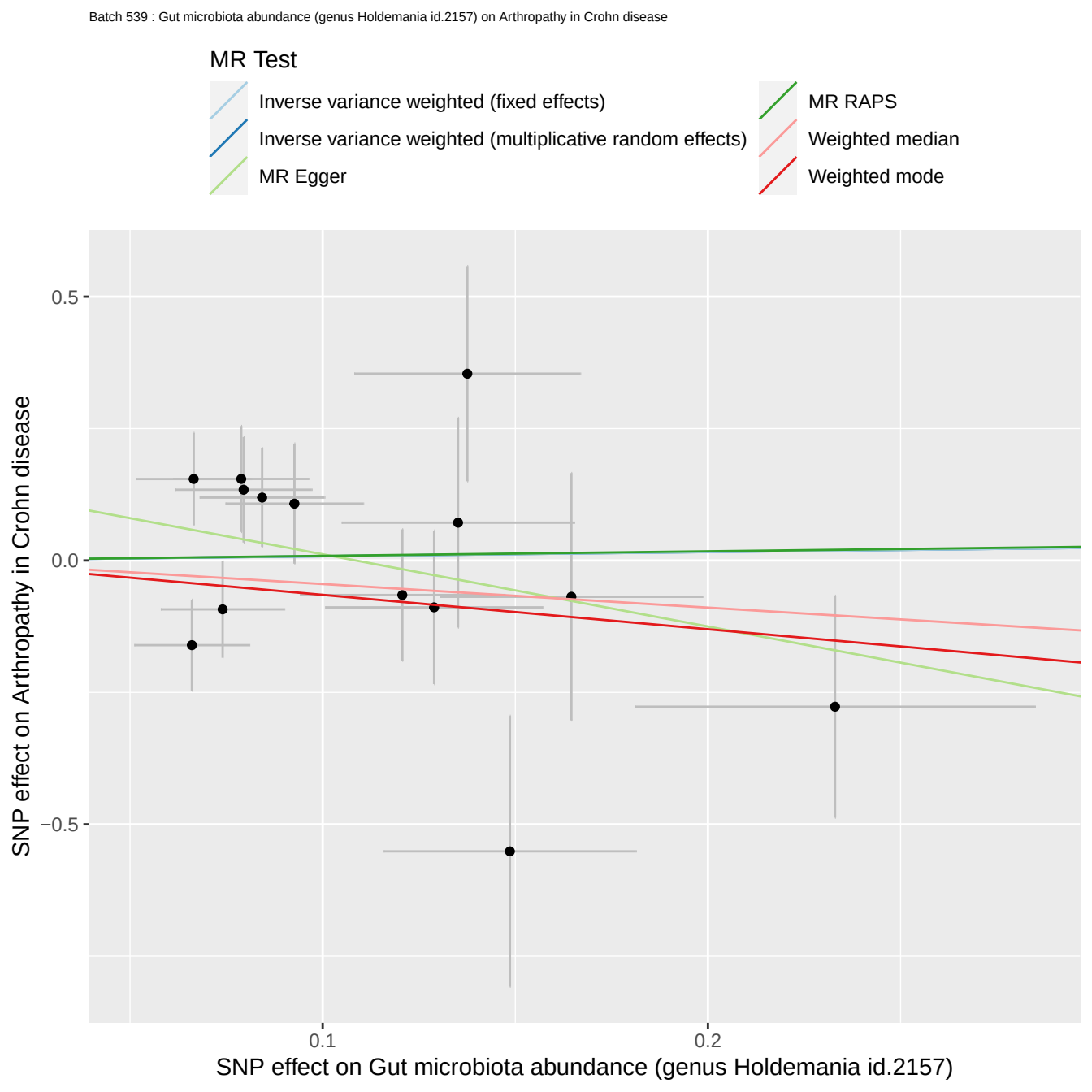

Batch 535 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

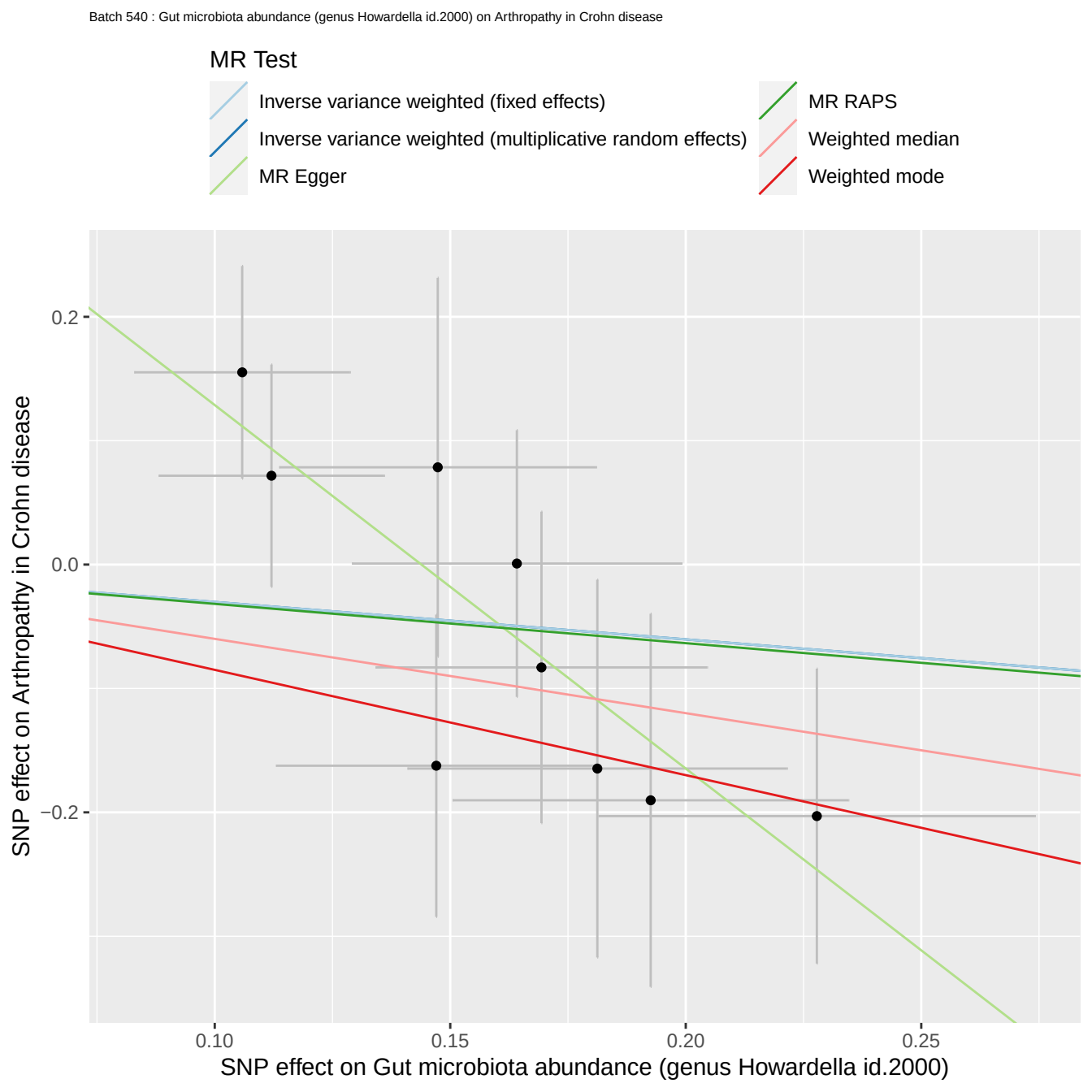

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

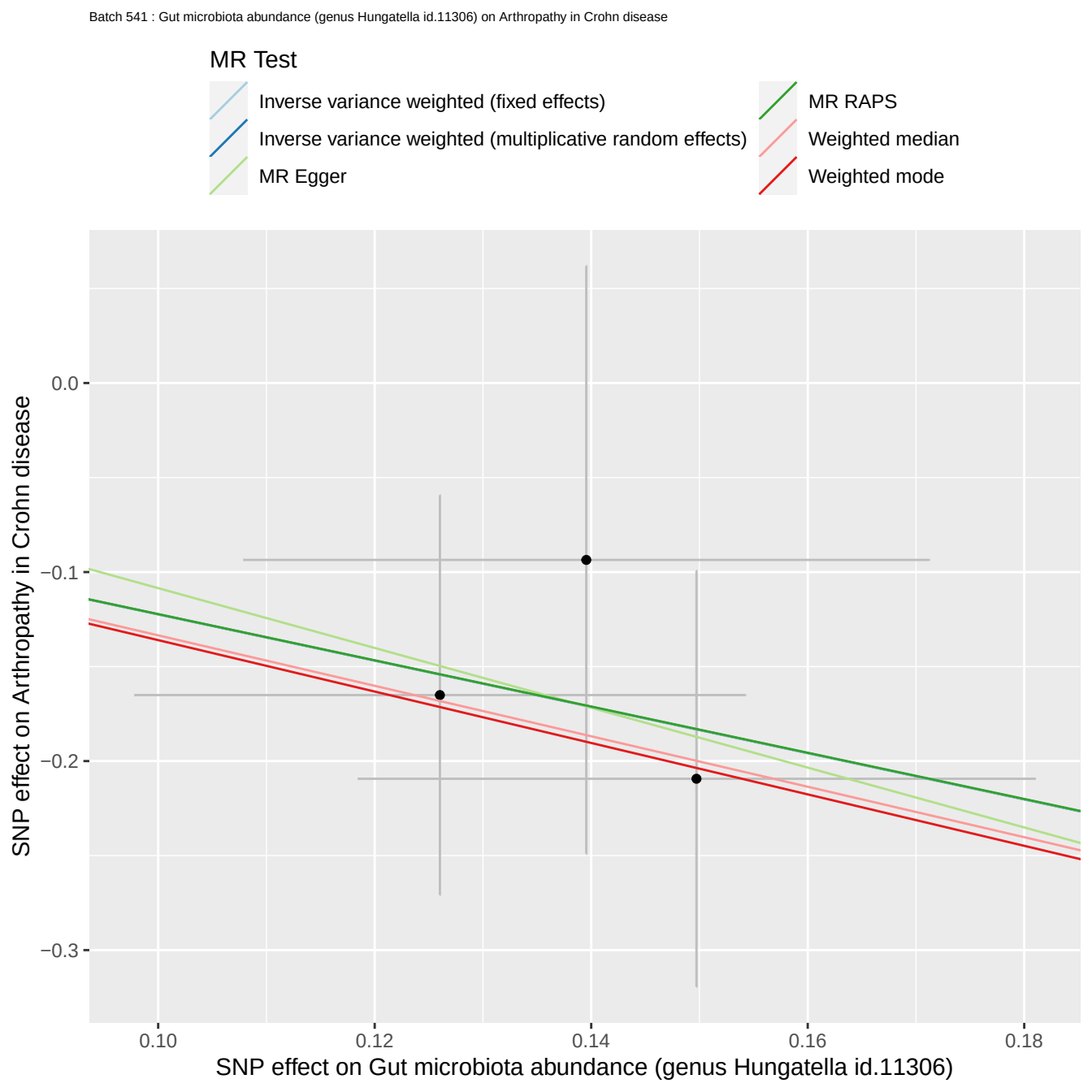

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Arthropathy in Crohn disease
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

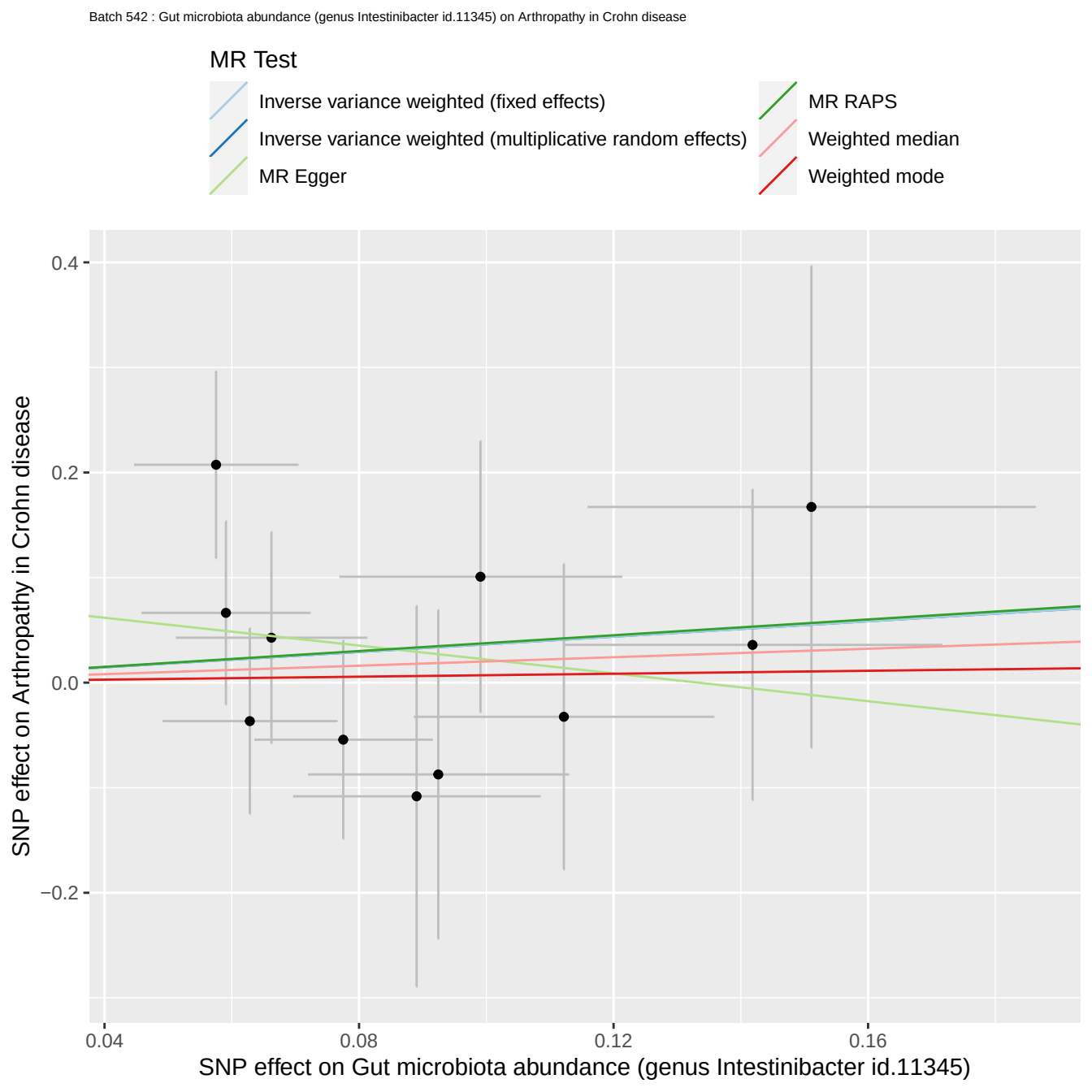
Batch 538 : Gut microbiota abundance (genus Holdemanella id.11393) on Arthropathy in Crohn disease

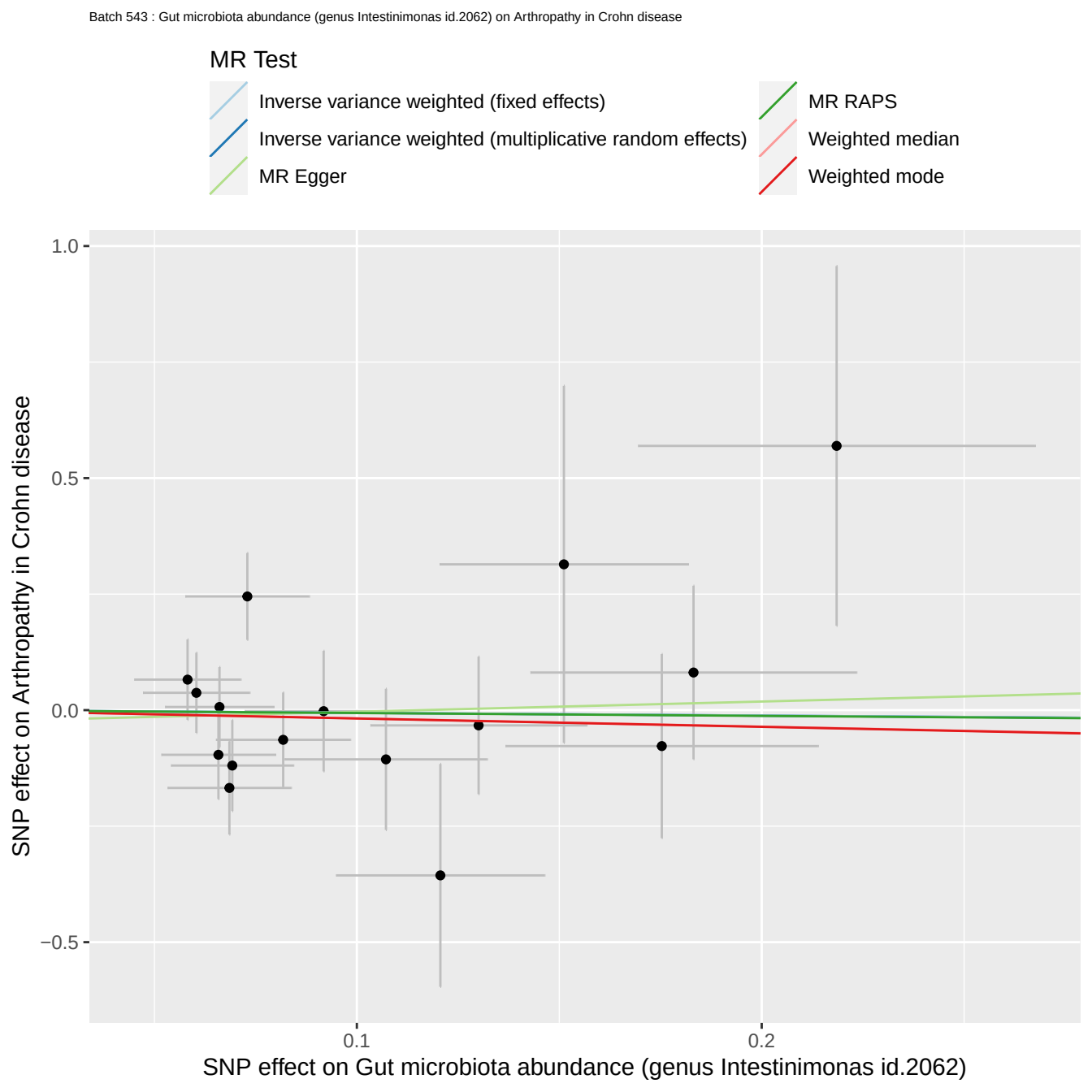



Batch 539 : Gut microbiota abundance (genus Holdemania id.2157) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.5
0.0
−0.5
SNP effect on Arthropathy in Crohn disease
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

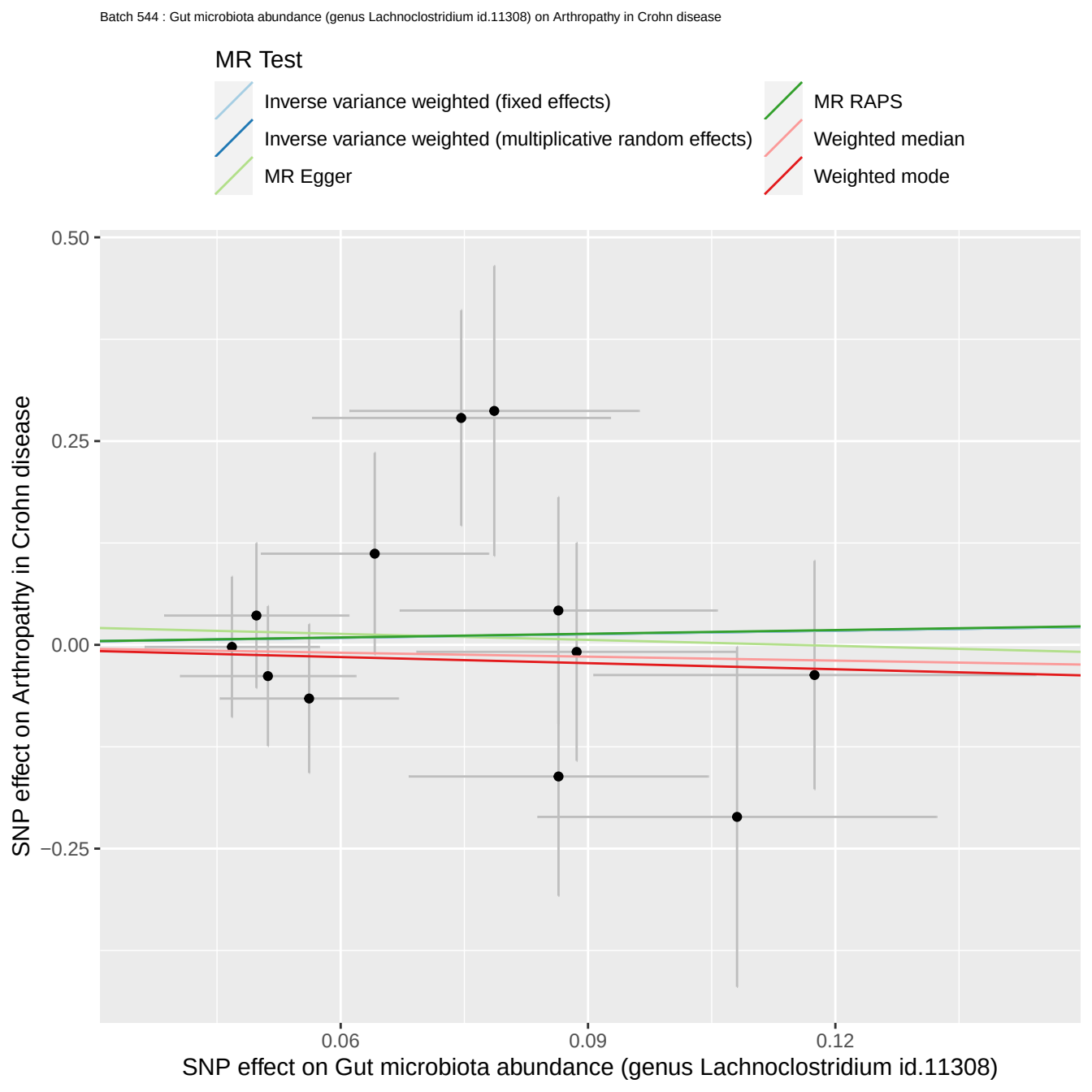

Batch 540 : Gut microbiota abundance (genus Howardella id.2000) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

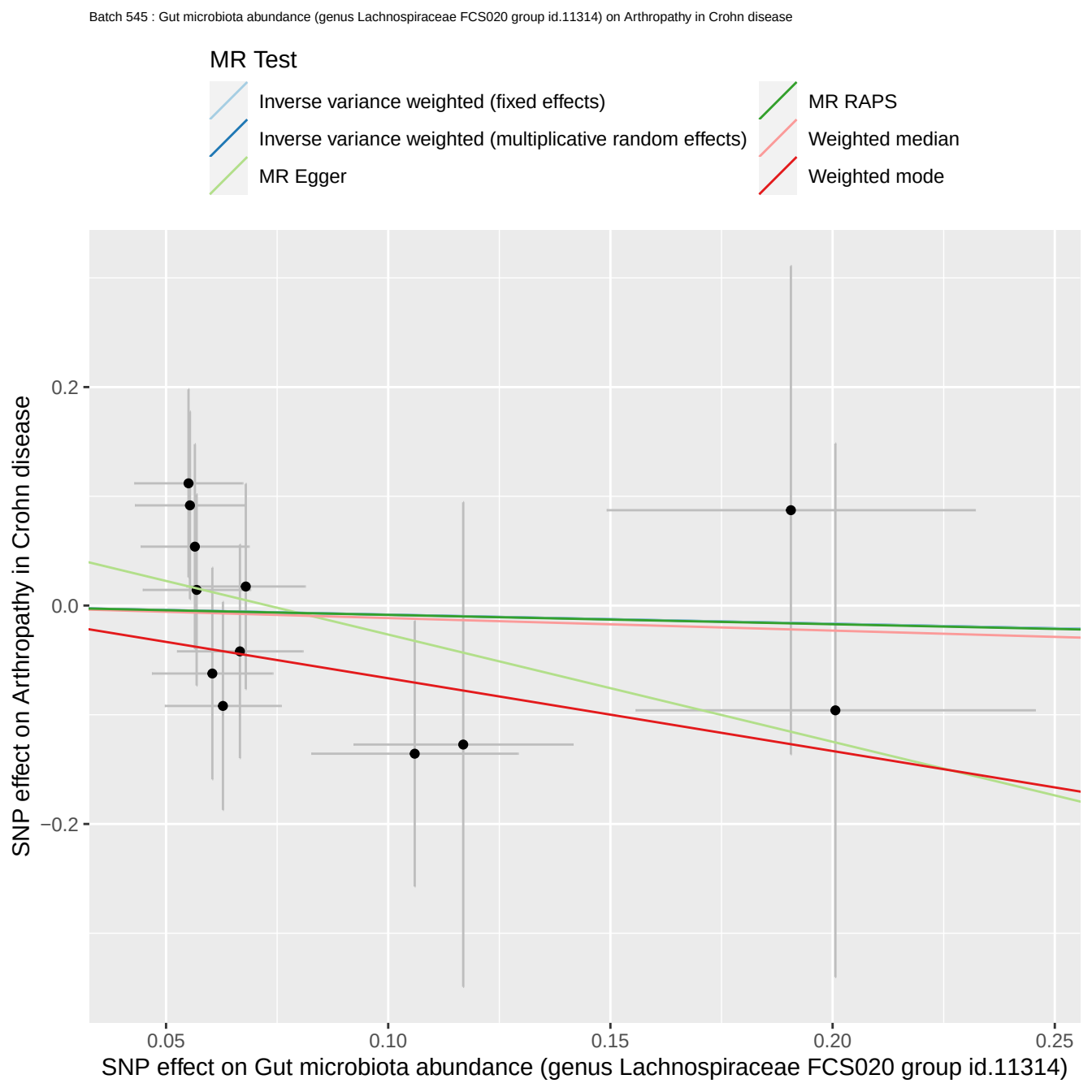

Batch 541 : Gut microbiota abundance (genus Hungatella id.11306) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.0
−0.1
−0.2
−0.3
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)

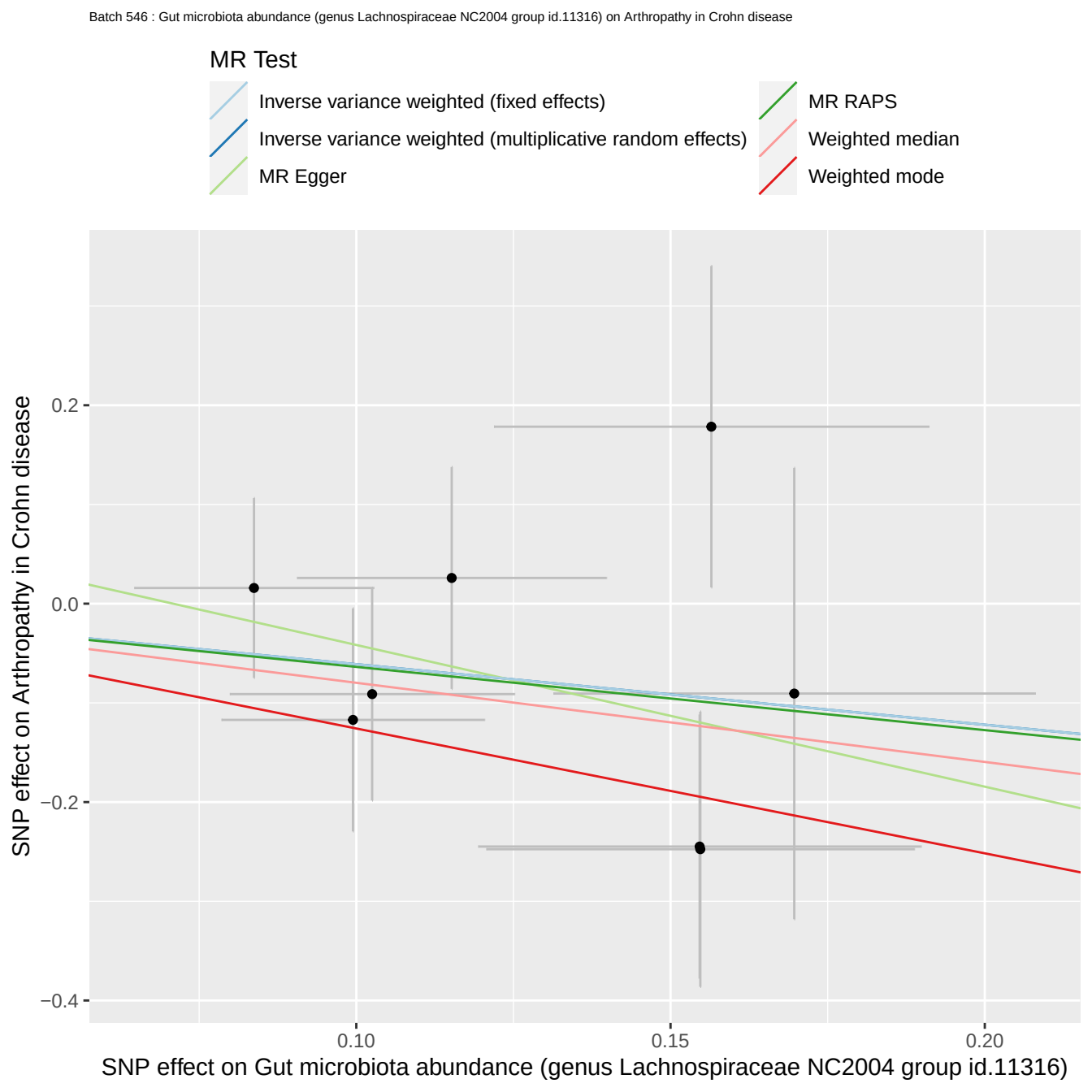

Batch 542 : Gut microbiota abundance (genus Intestinibacter id.11345) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)


Batch 543 : Gut microbiota abundance (genus Intestinimonas id.2062) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
1.0
0.5
0.0
−0.5
0.1
0.2
SNP effect on Arthropathy in Crohn disease
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

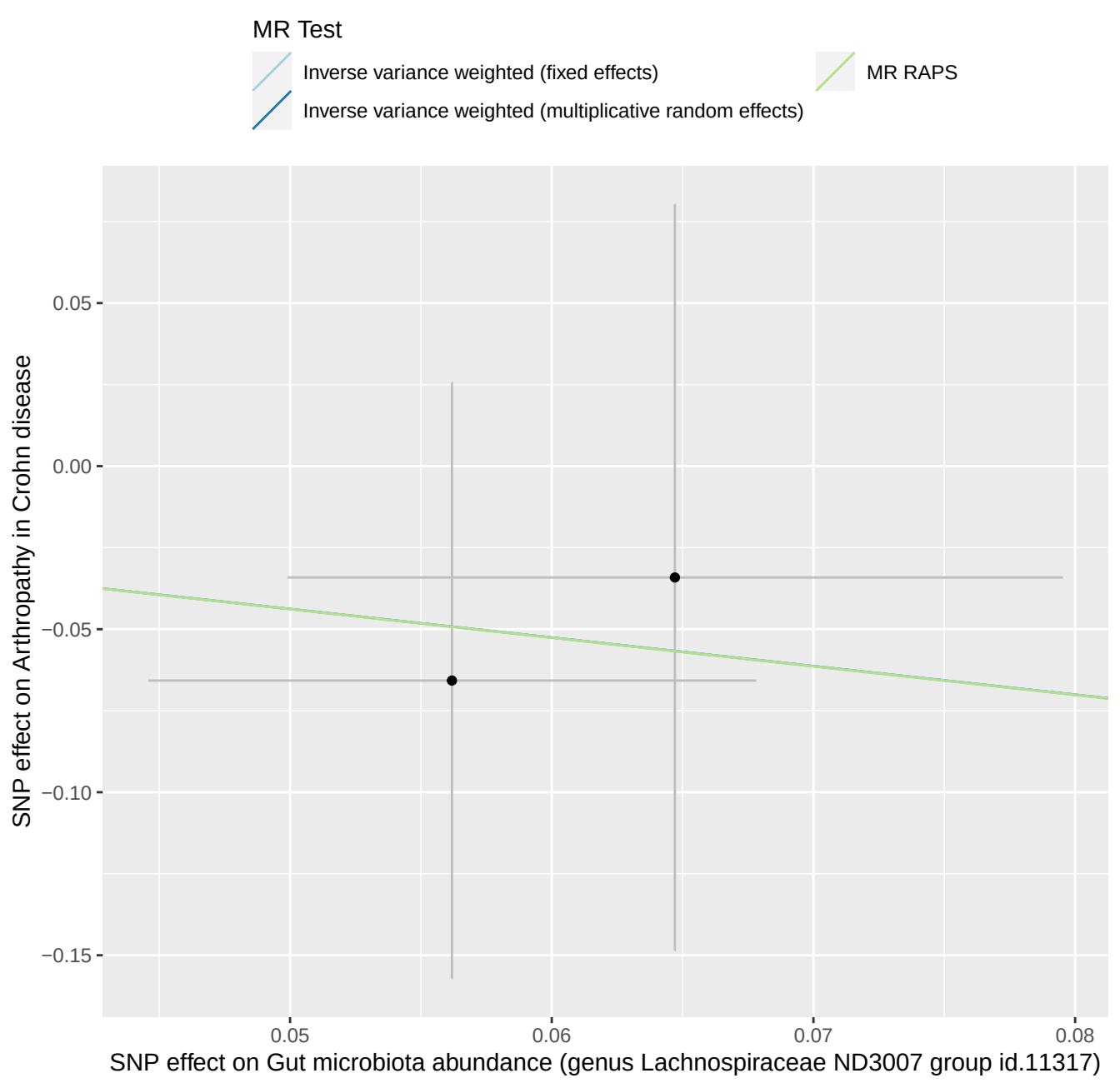
Batch 544 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Arthropathy in Crohn disease



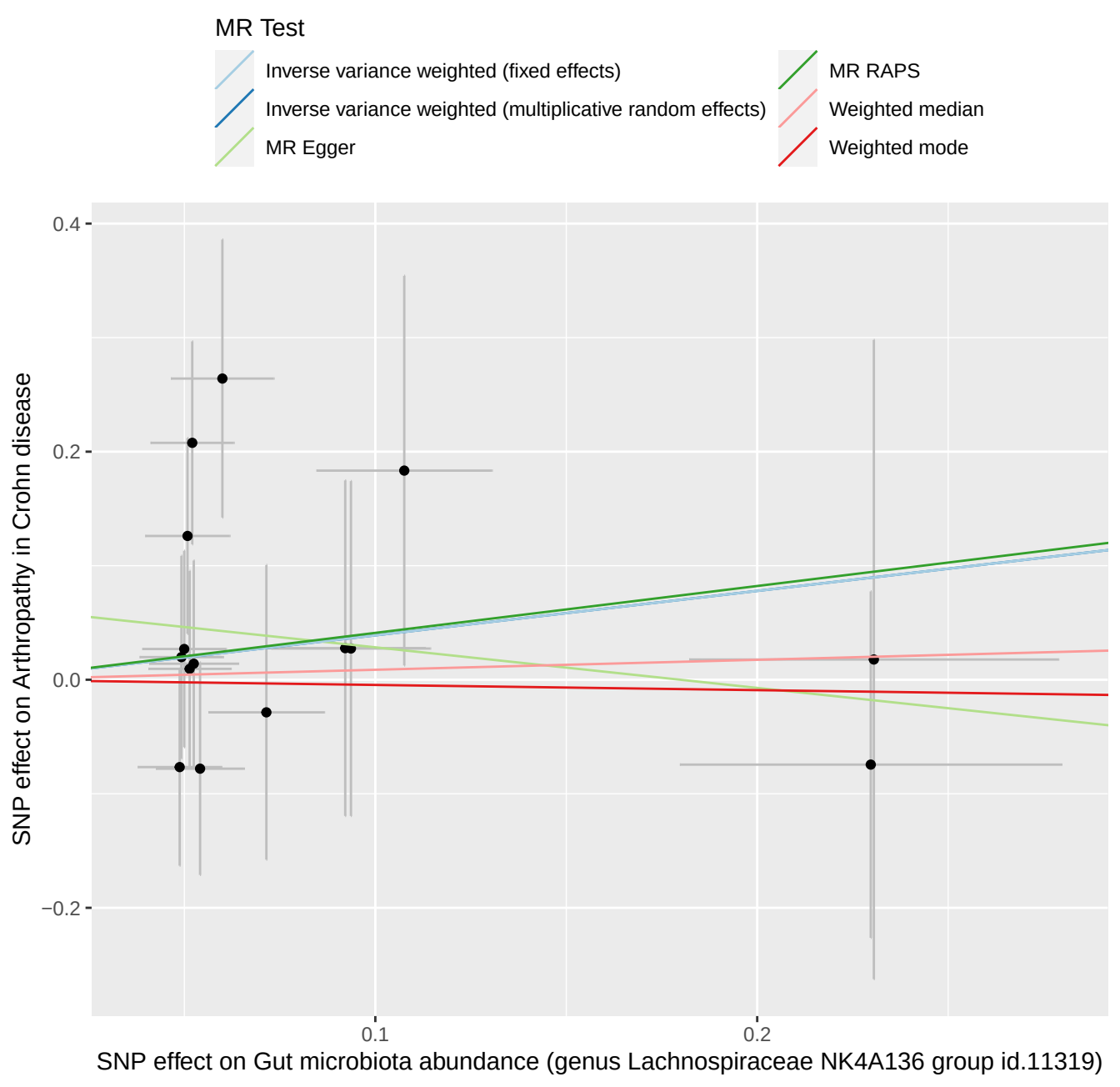

Batch 545 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

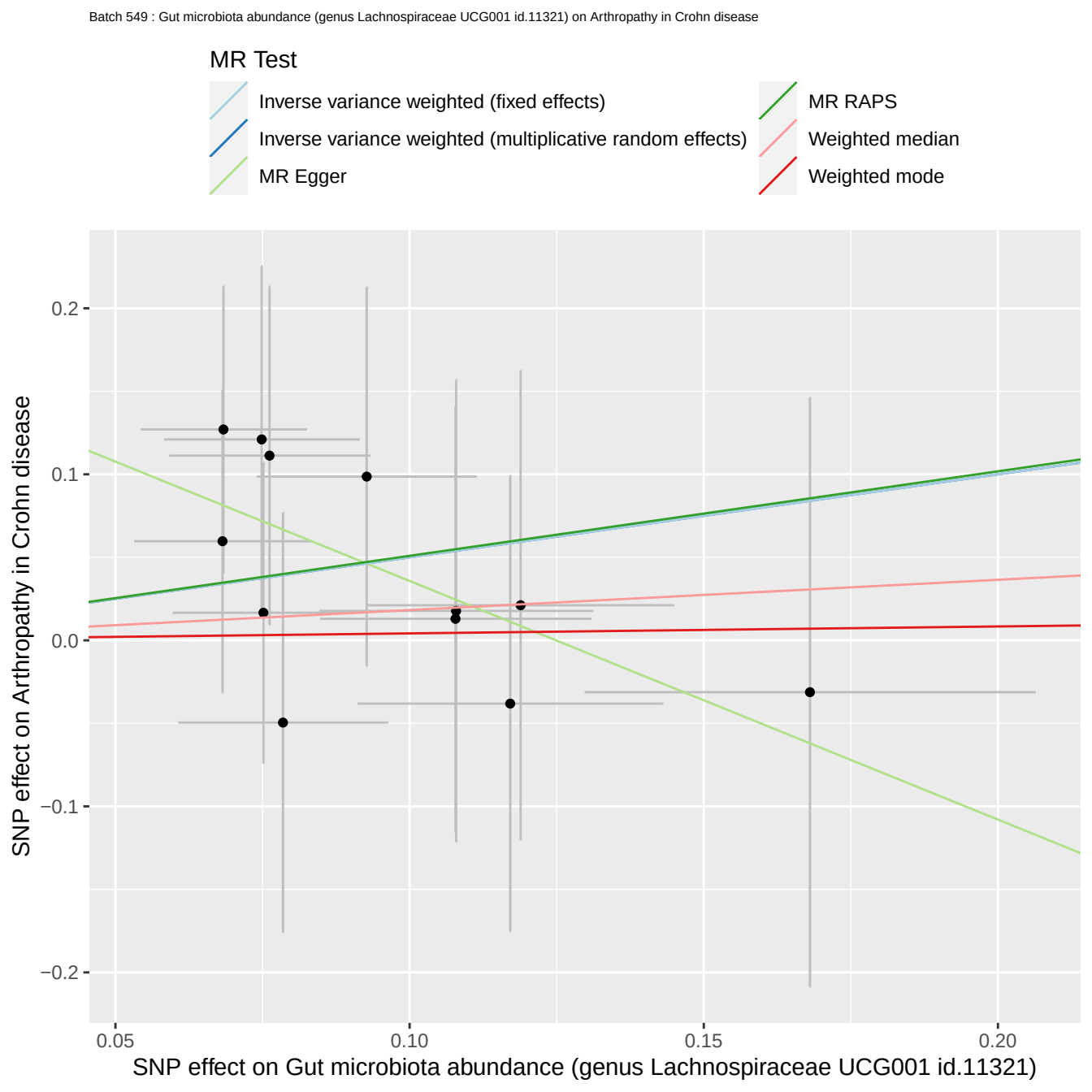

Batch 546 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)

Batch 547 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Arthropathy in Crohn disease

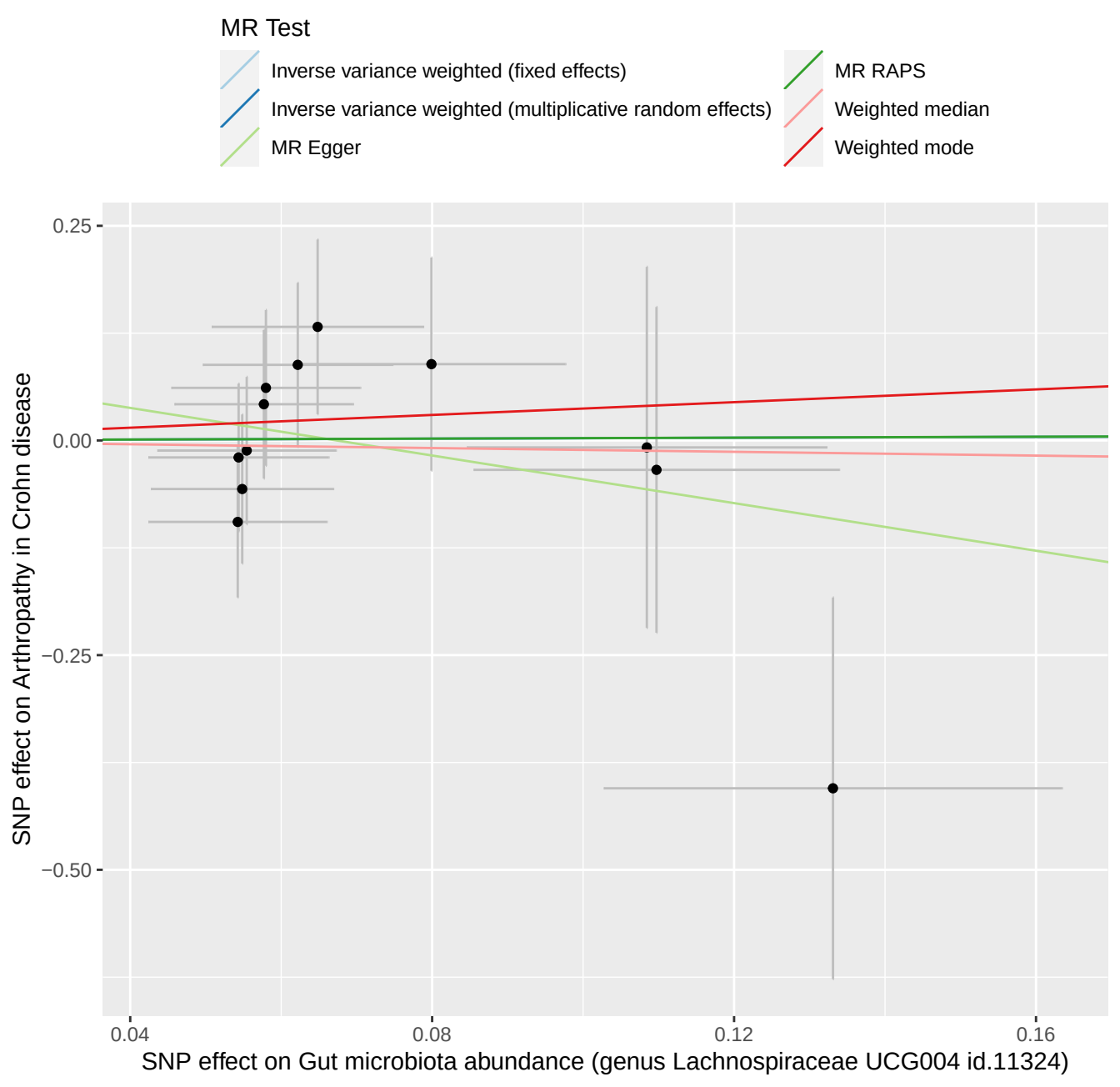


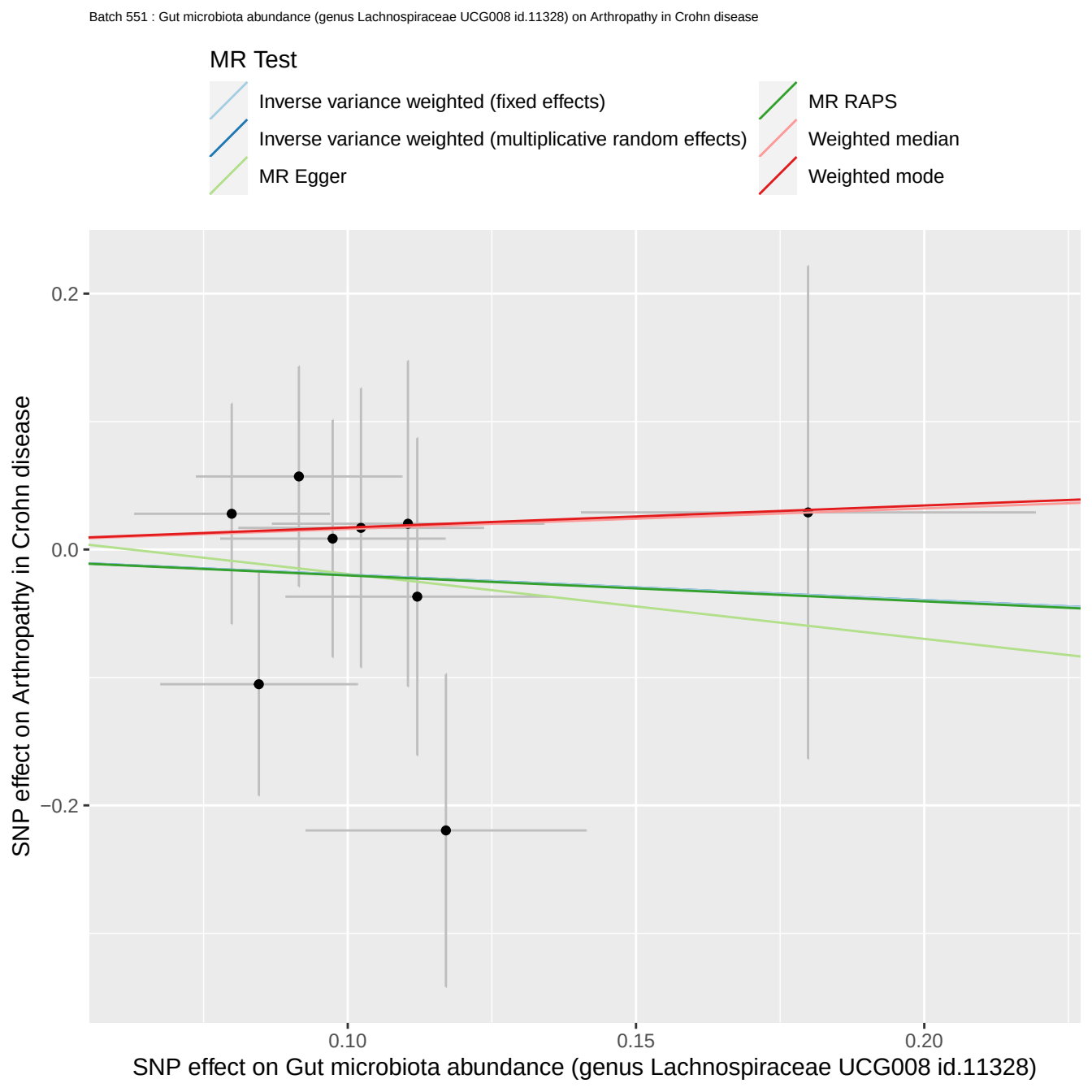
Batch 548 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Arthropathy in Crohn disease

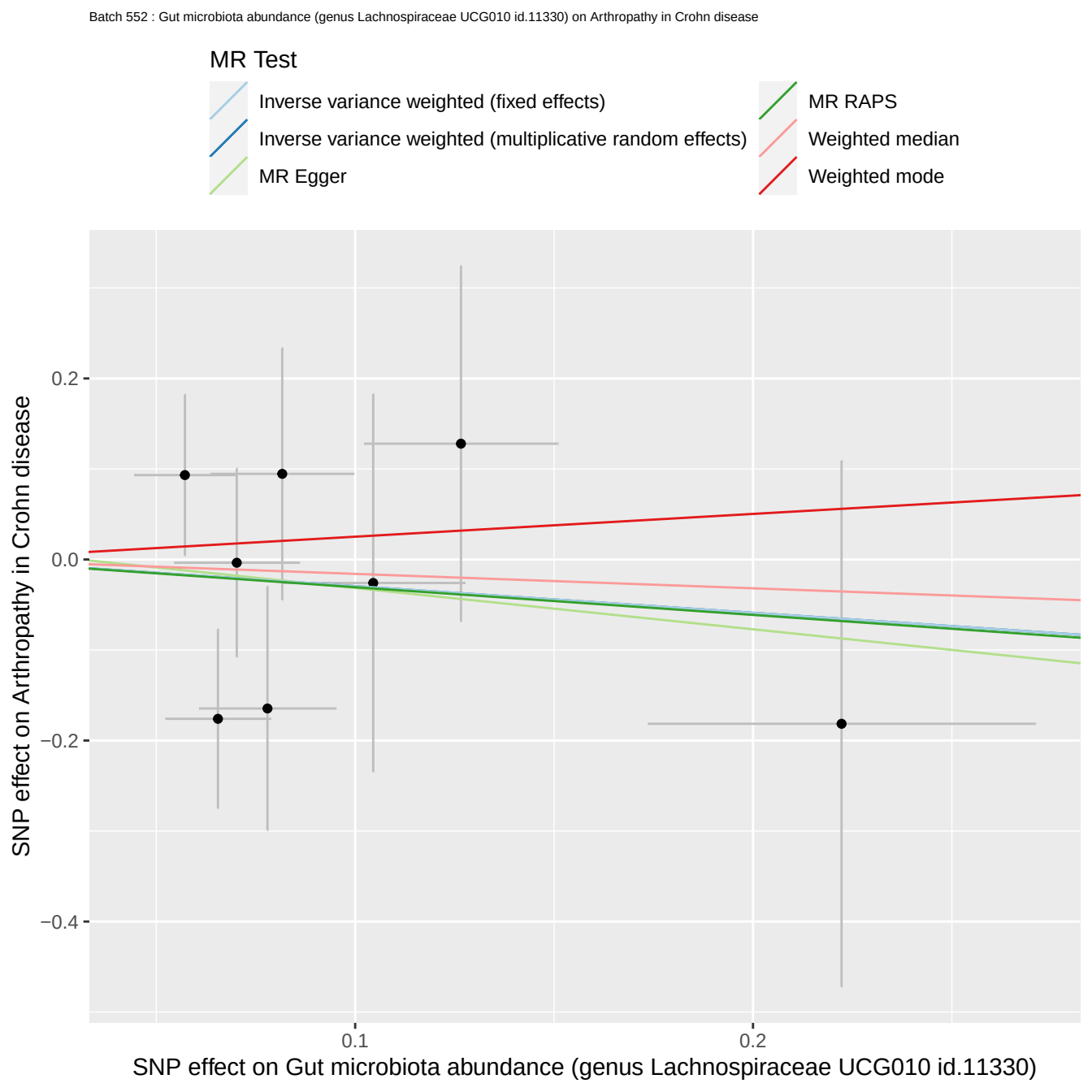



Batch 549 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)

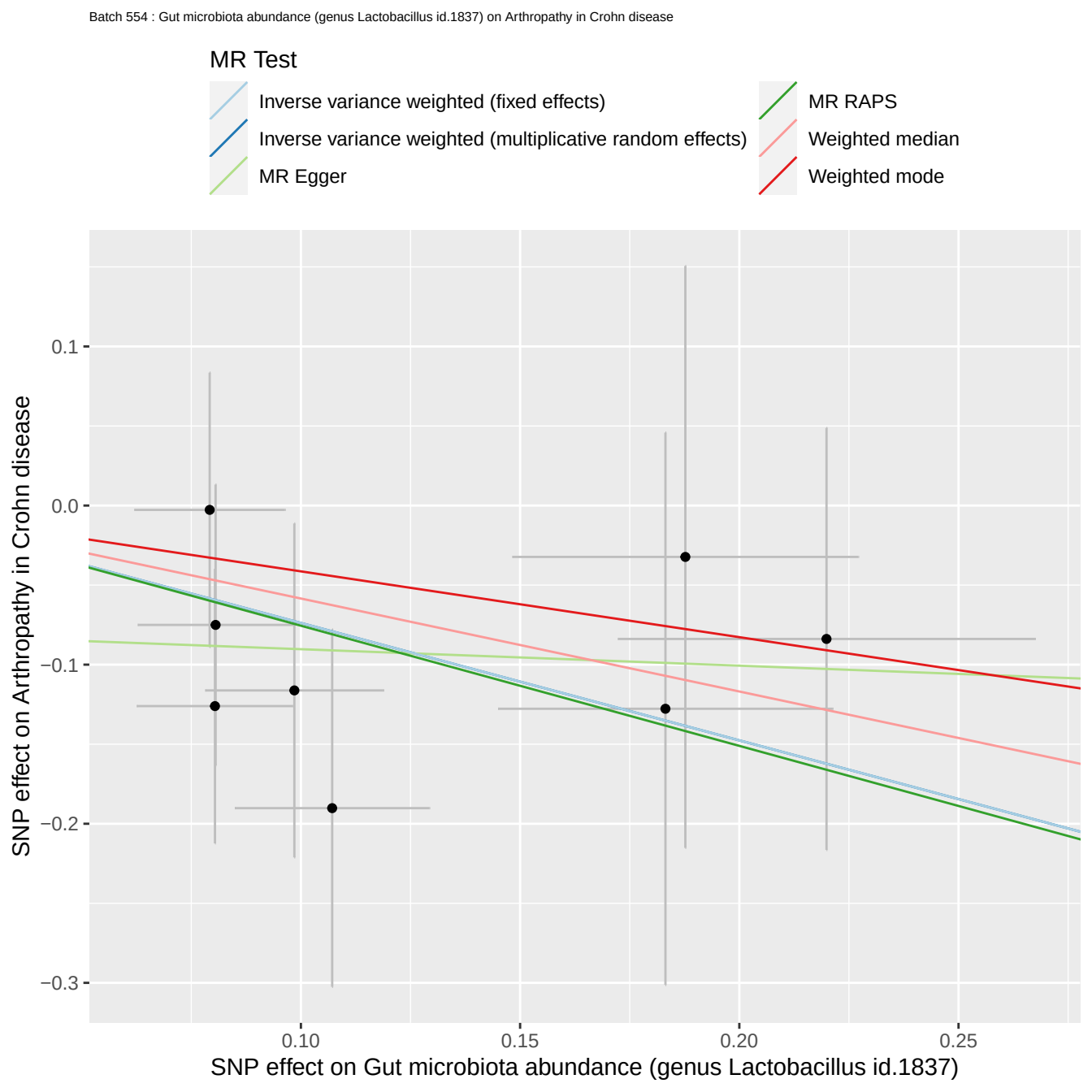
Batch 550 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Arthropathy in Crohn disease

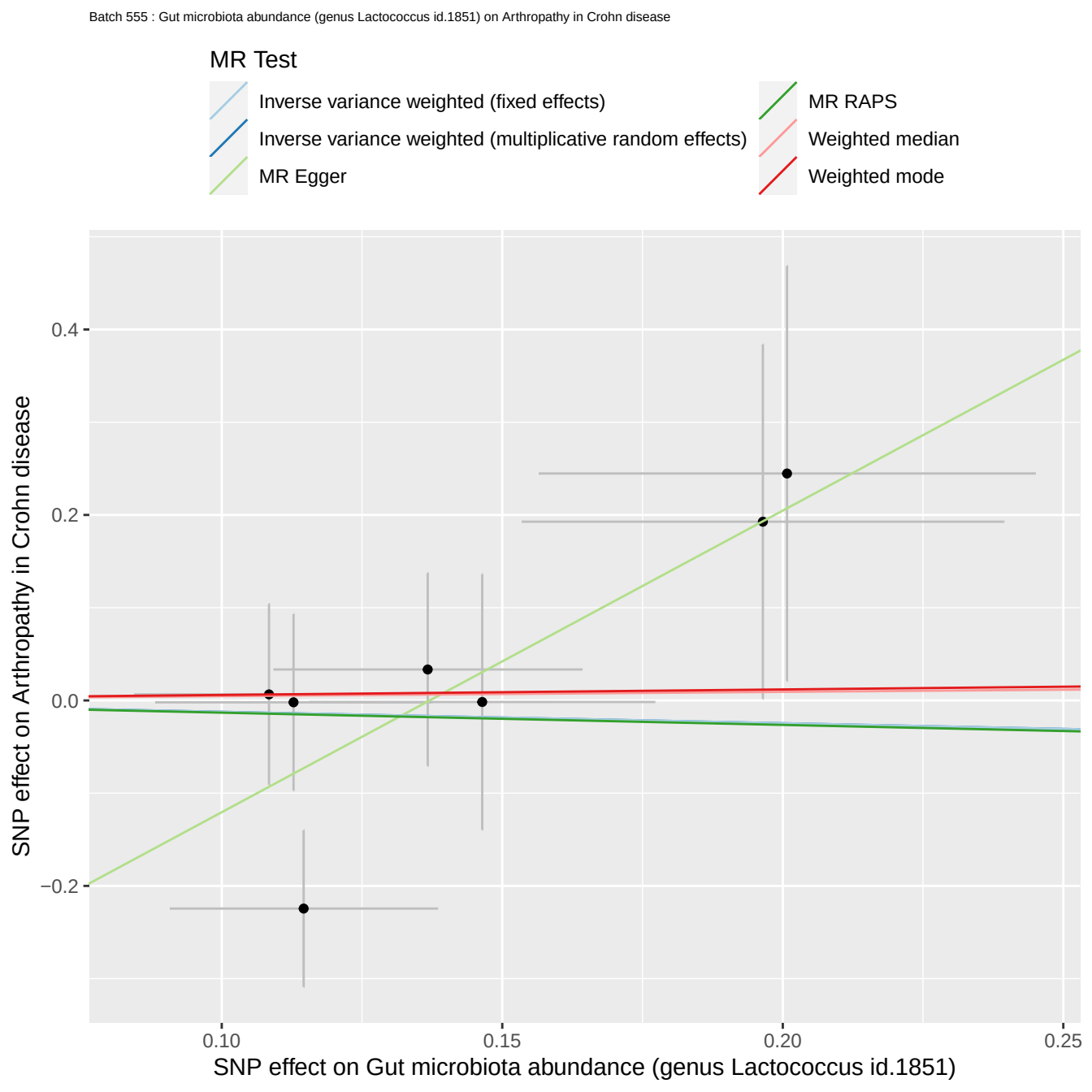


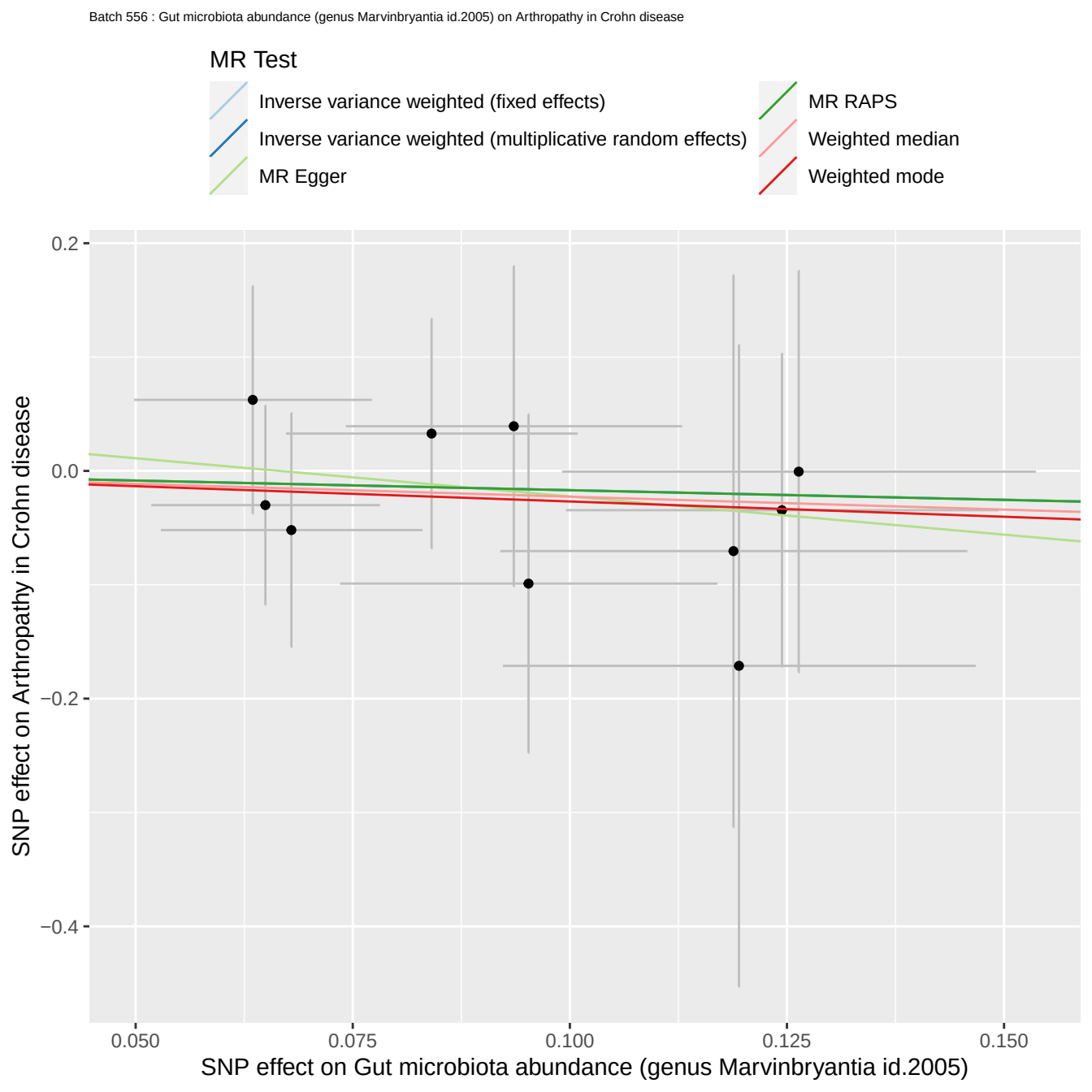

Batch 551 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

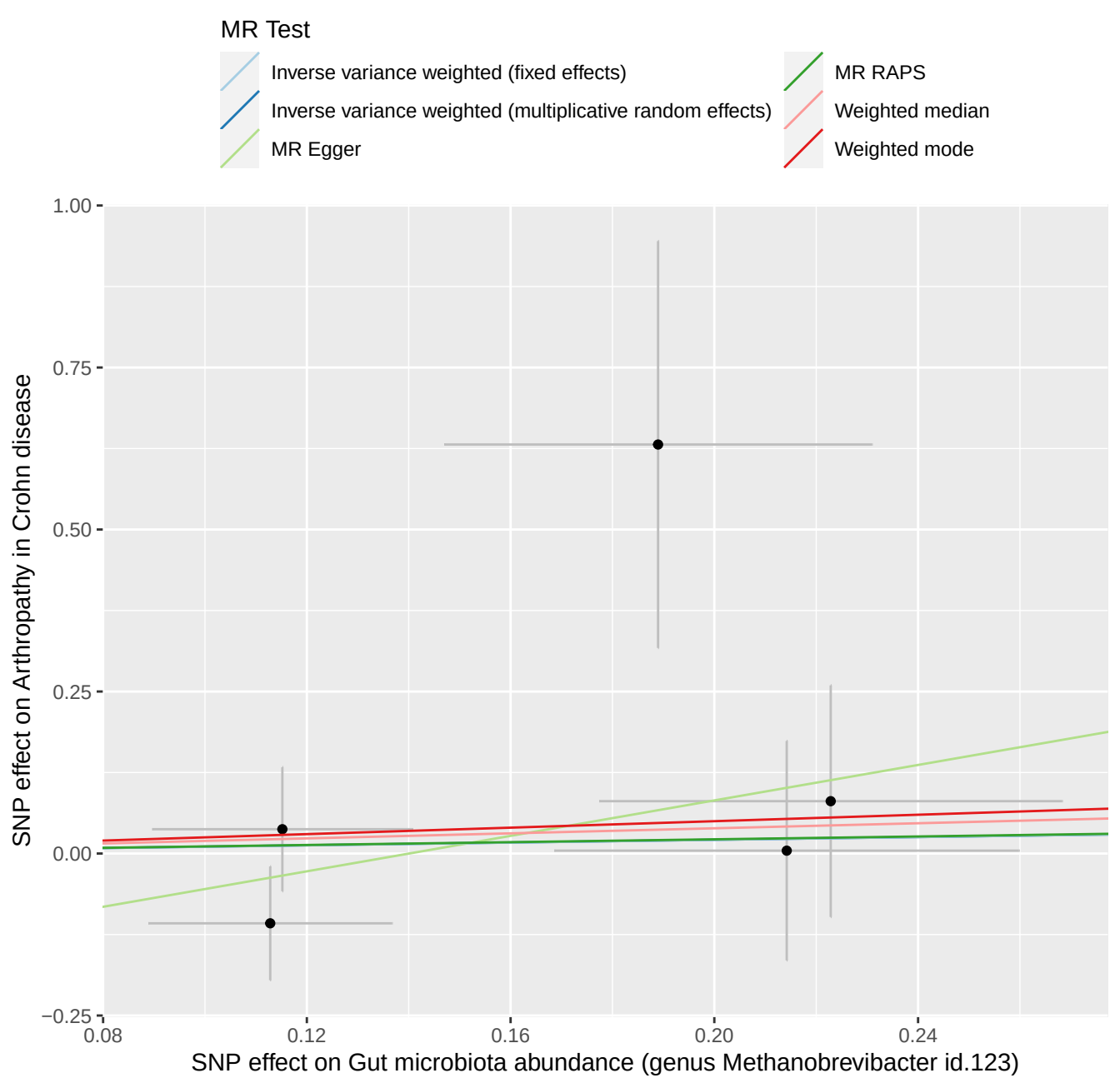

Batch 552 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330)

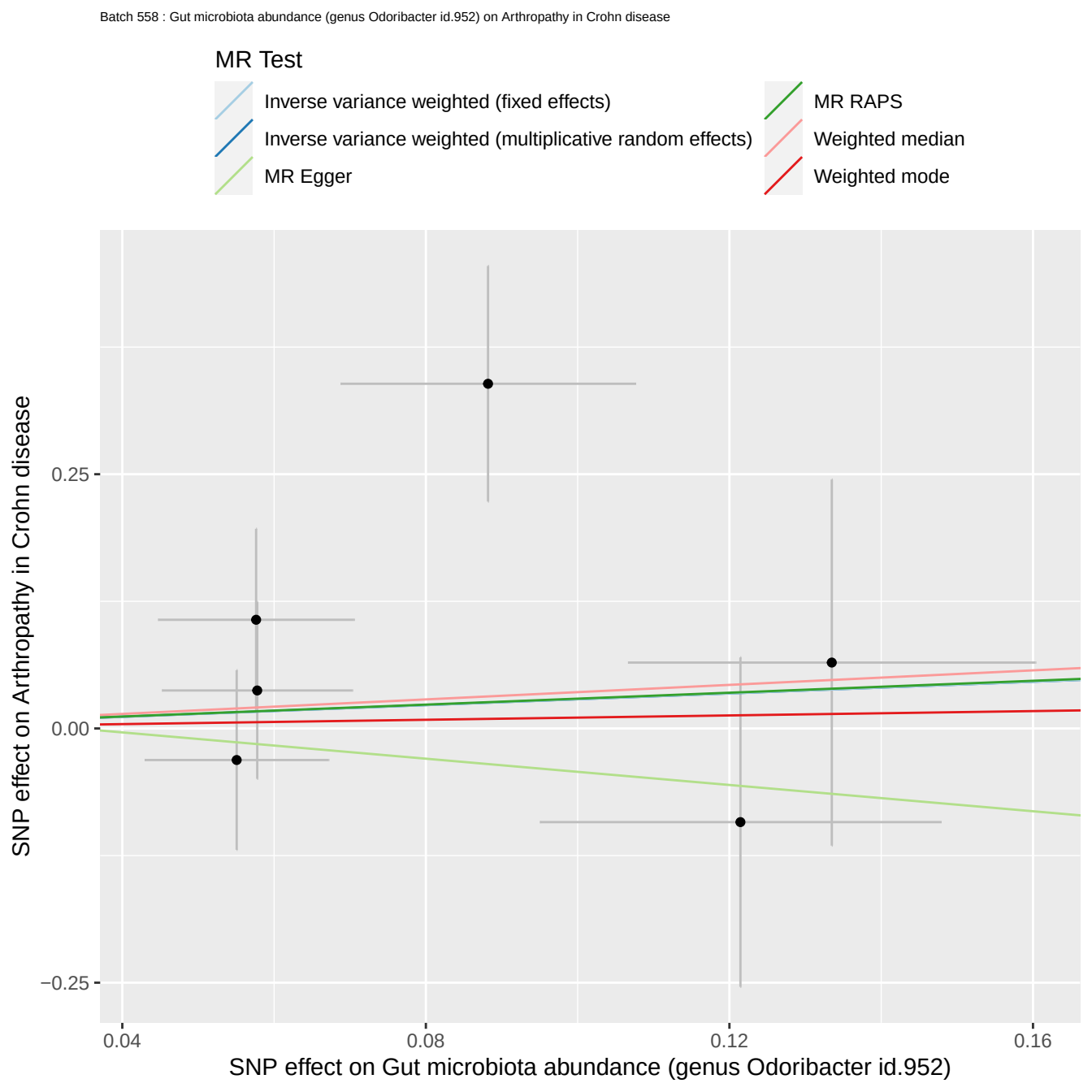
Insufficient number of SNPs

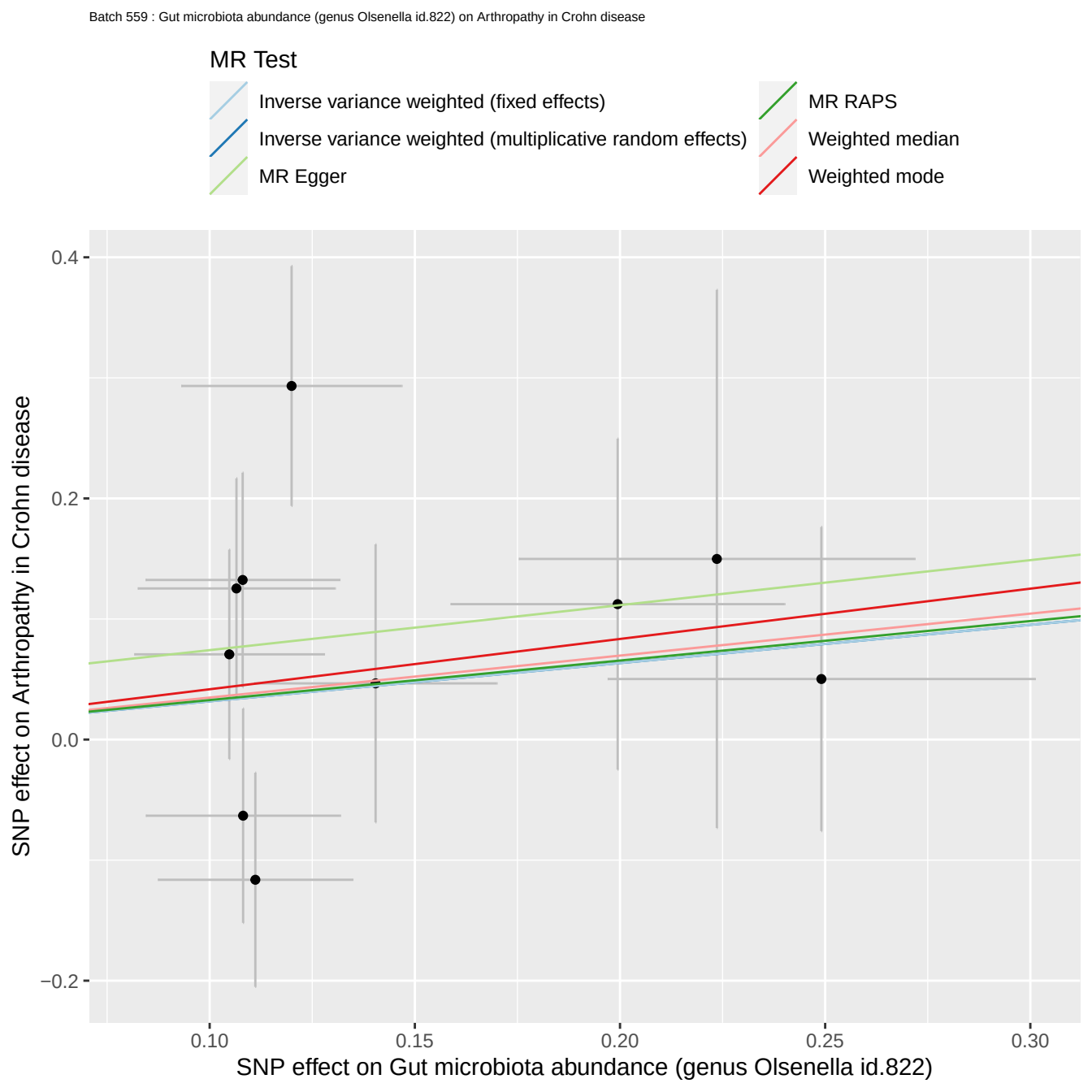

Batch 554 : Gut microbiota abundance (genus Lactobacillus id.1837) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

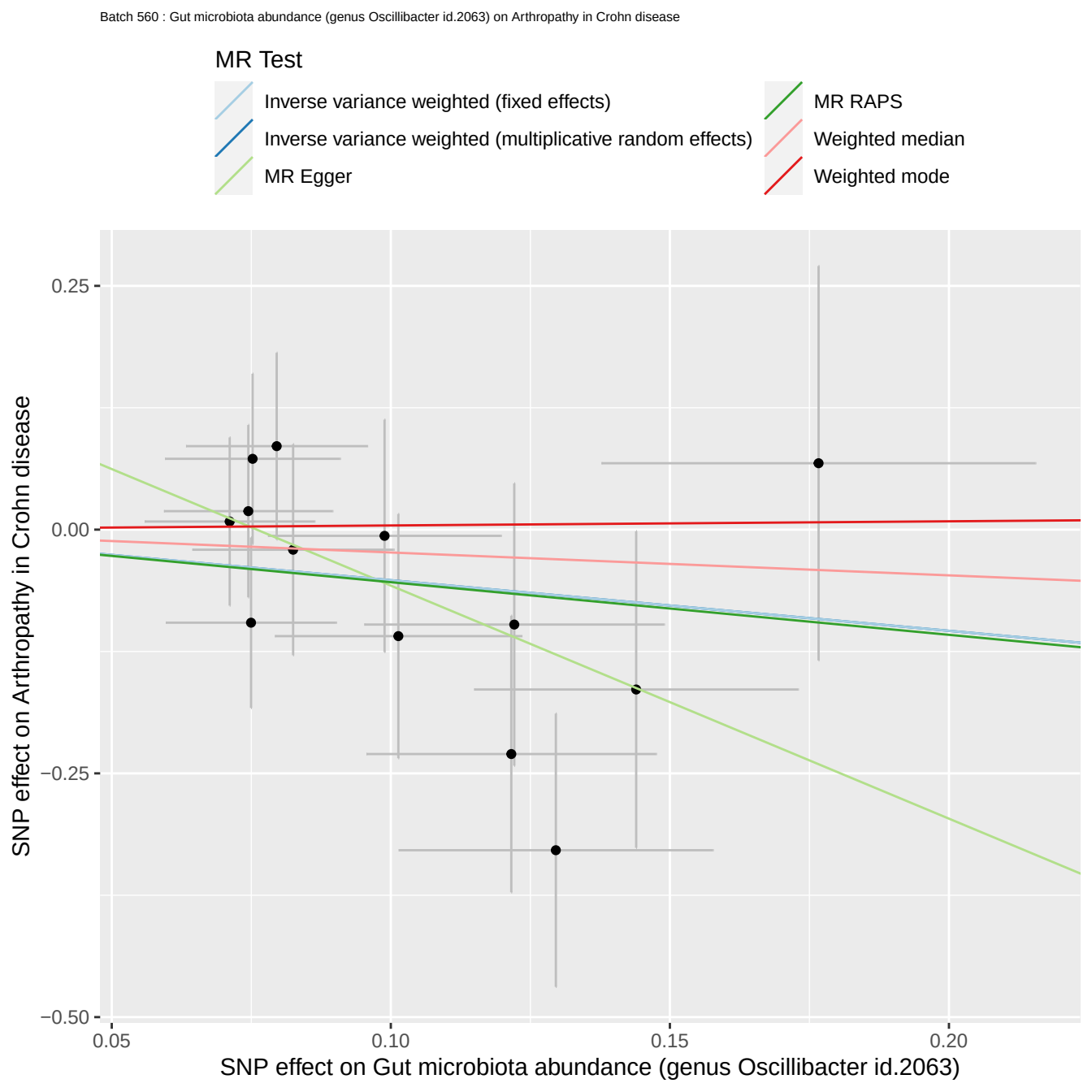

Batch 555 : Gut microbiota abundance (genus Lactococcus id.1851) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

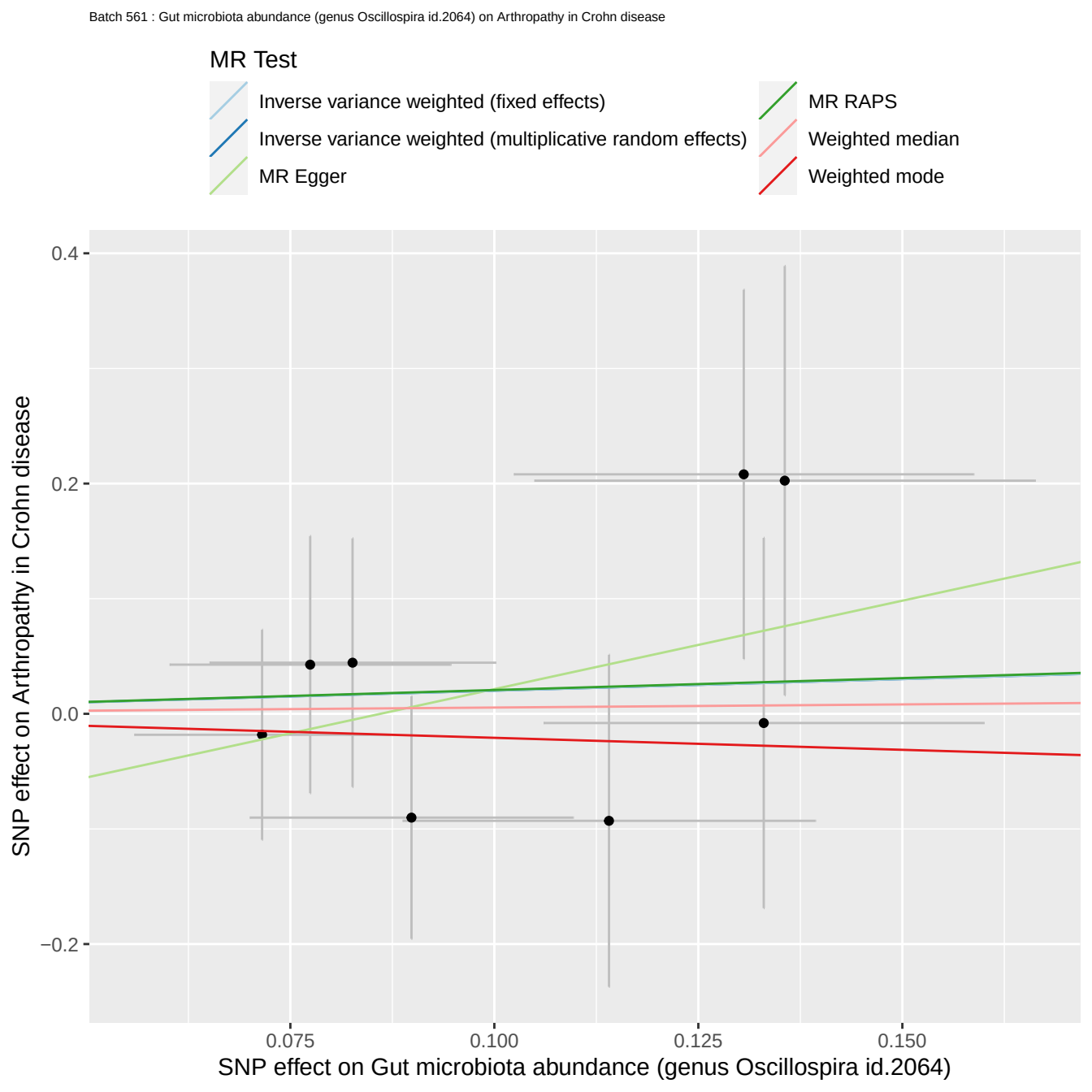

Batch 556 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Arthropathy in Crohn disease
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

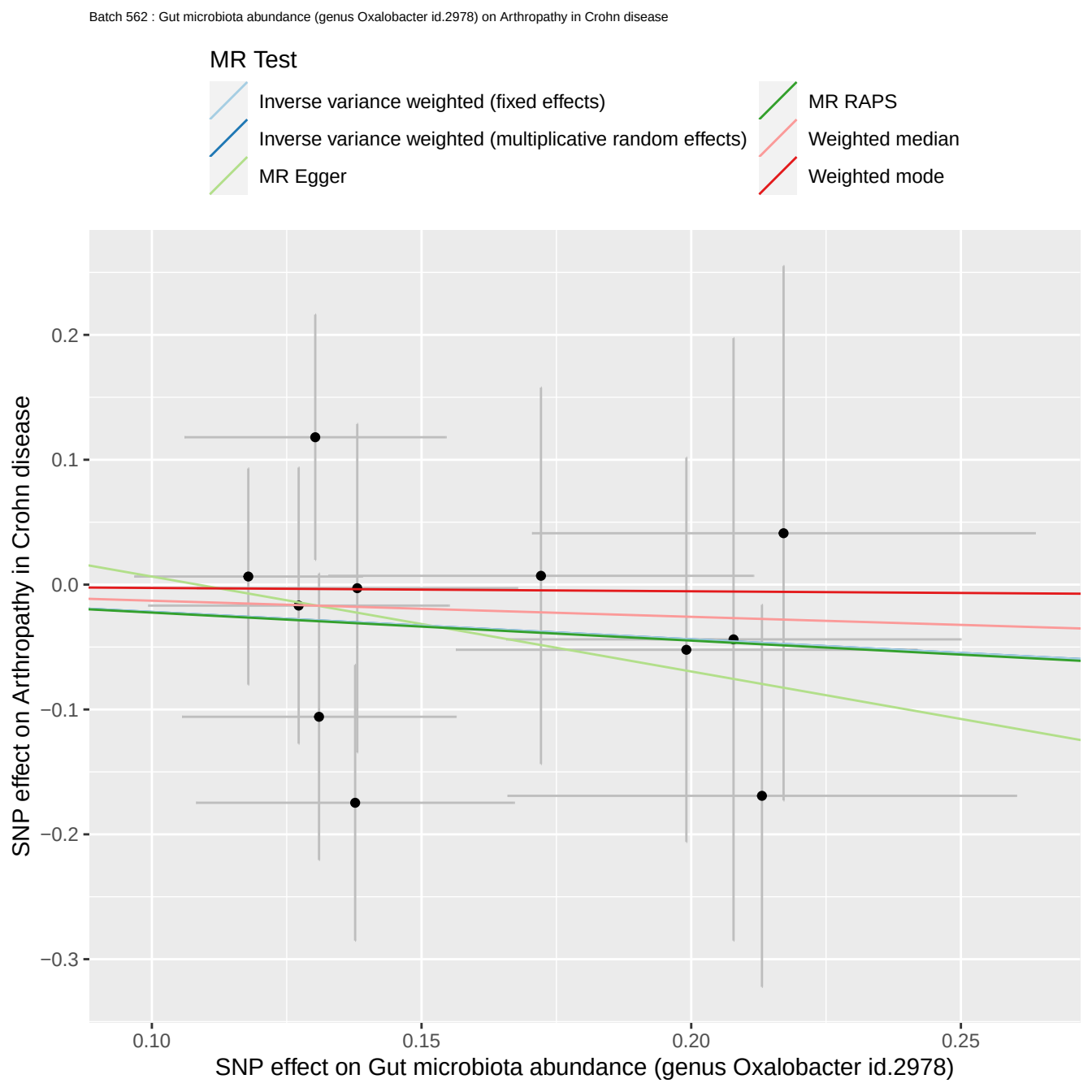

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
1.00
0.75
0.50
0.25
0.00
−0.25
SNP effect on Arthropathy in Crohn disease
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

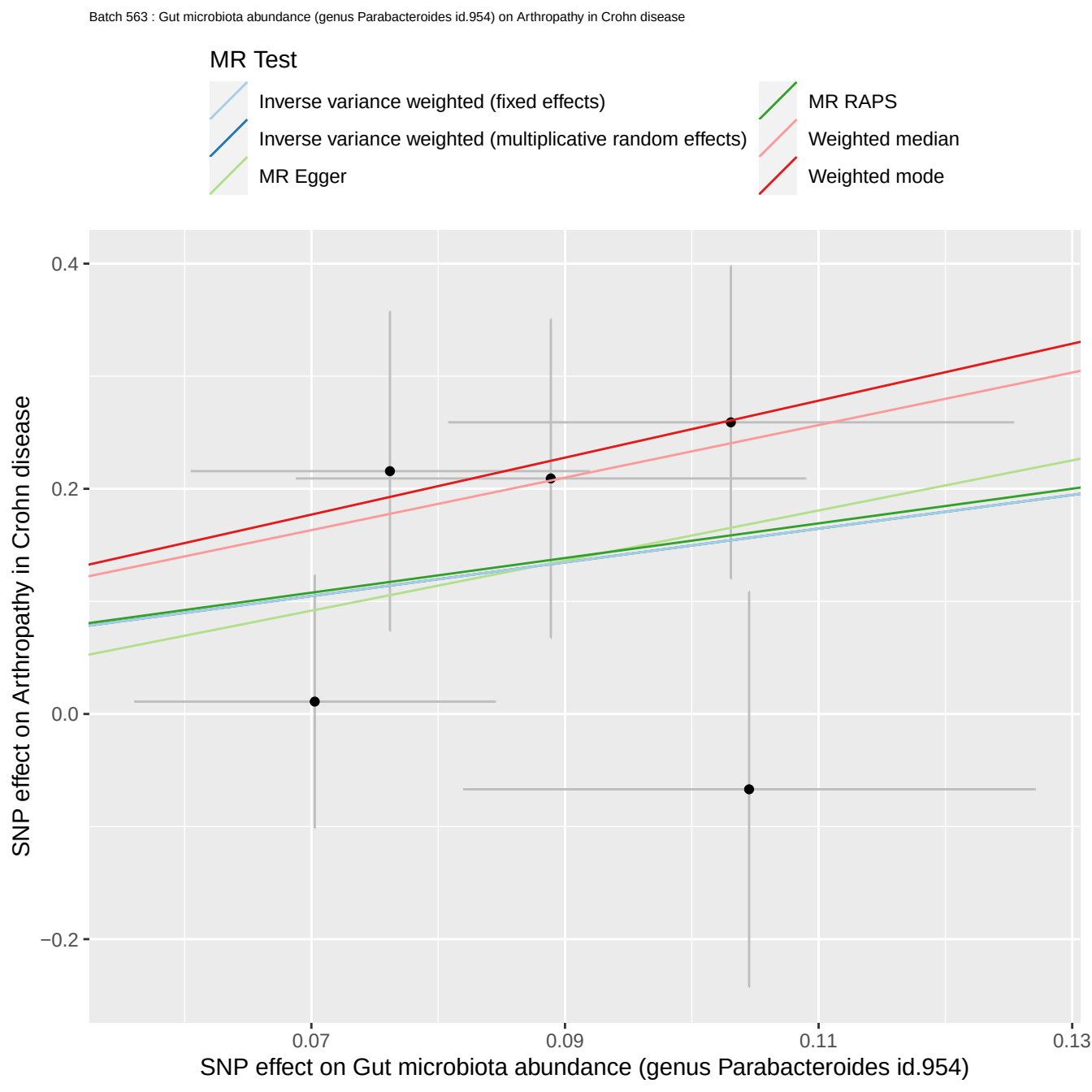

Batch 558 : Gut microbiota abundance (genus Odoribacter id.952) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.25
0.00
−0.25
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

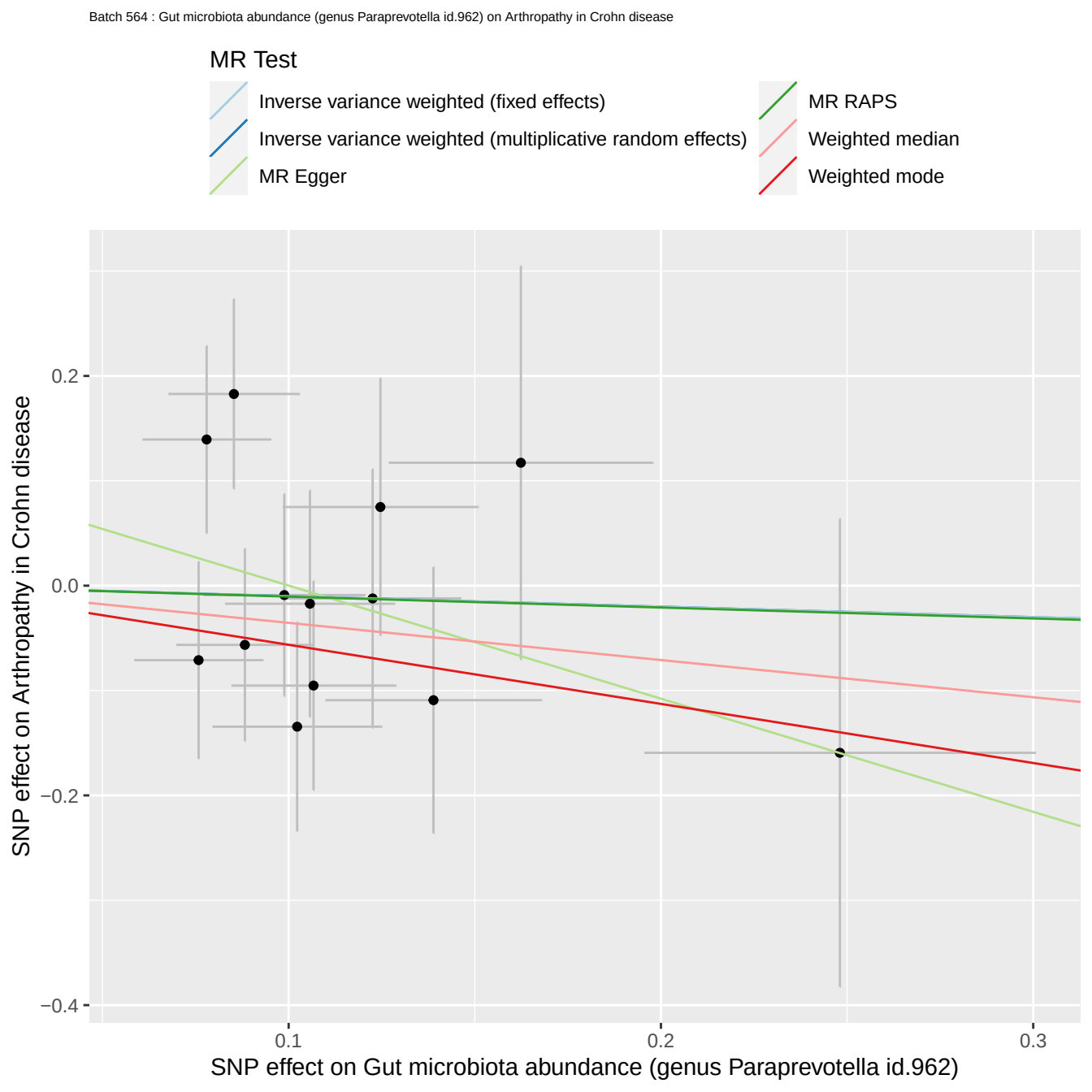

Batch 559 : Gut microbiota abundance (genus Olsenella id.822) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

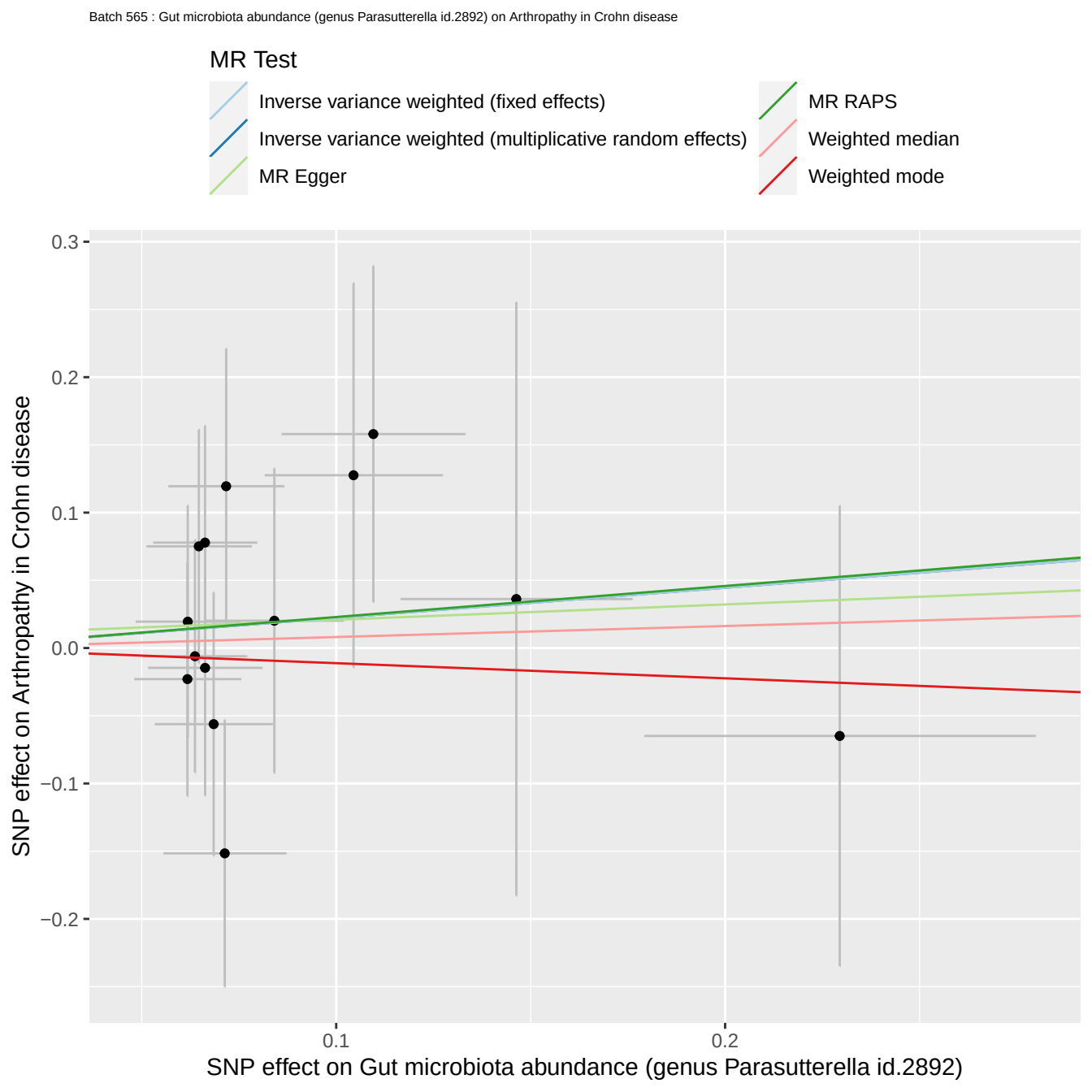

Batch 560 : Gut microbiota abundance (genus Oscillibacter id.2063) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
SNP effect on Arthropathy in Crohn disease
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

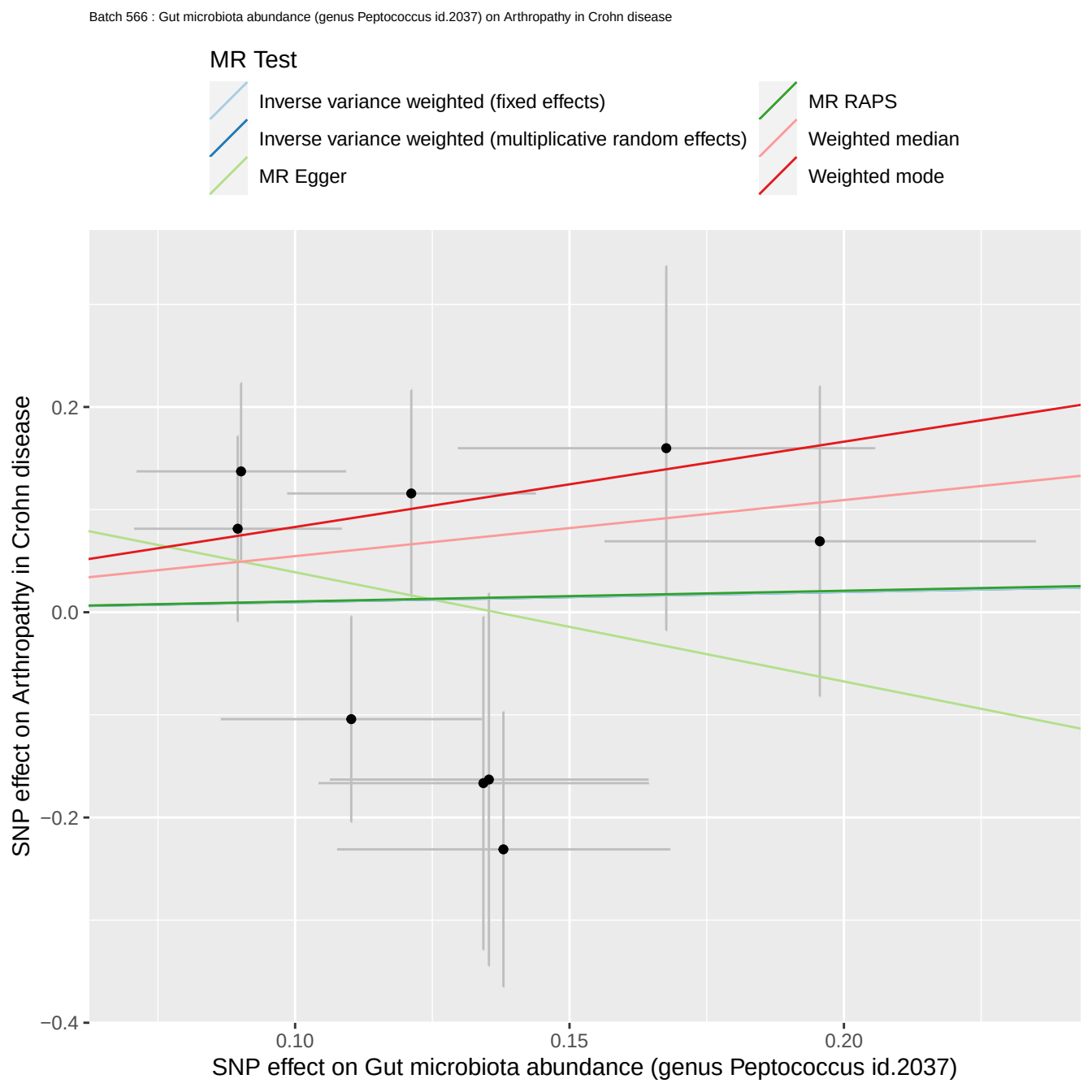

Batch 561 : Gut microbiota abundance (genus Oscillospira id.2064) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

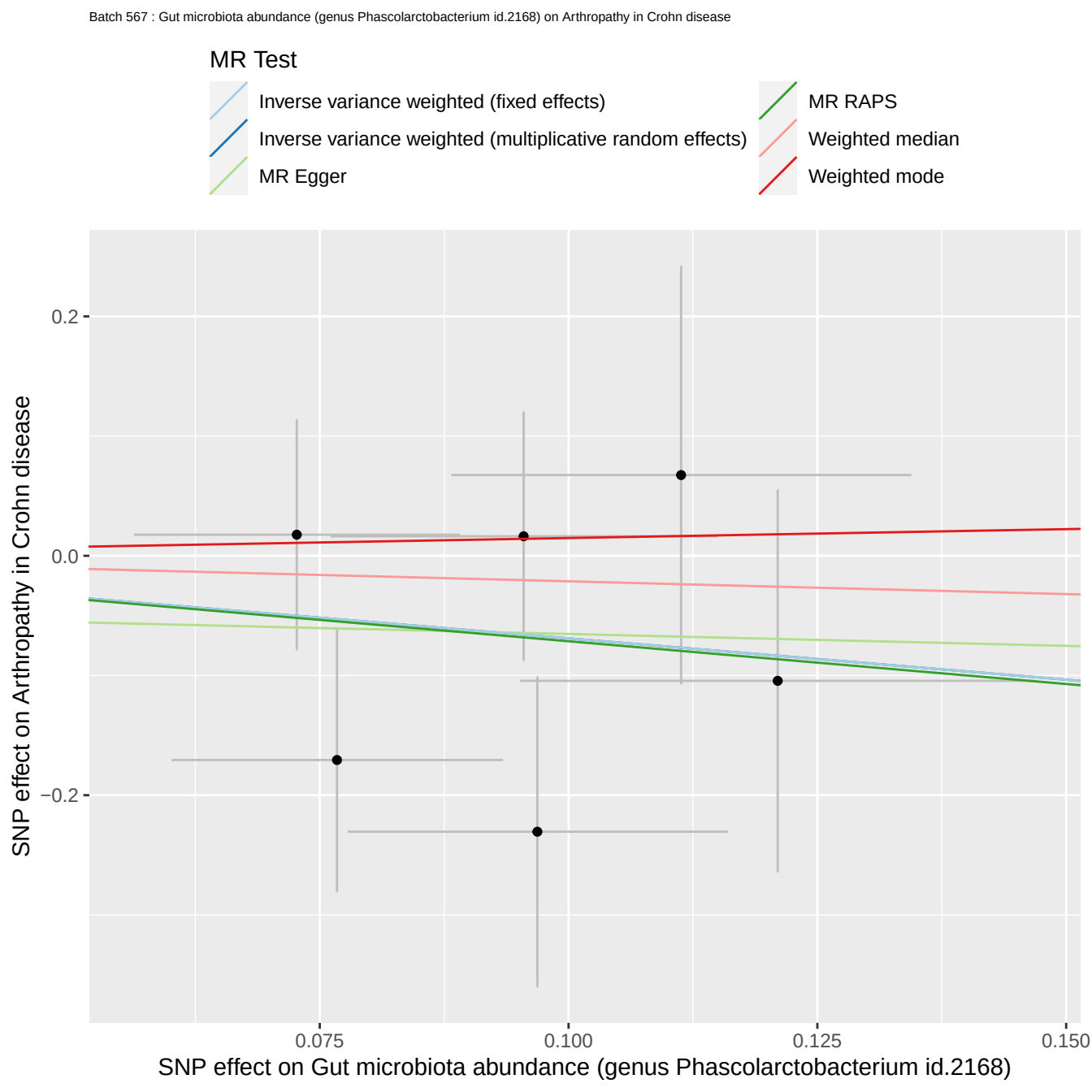

Batch 562 : Gut microbiota abundance (genus Oxalobacter id.2978) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

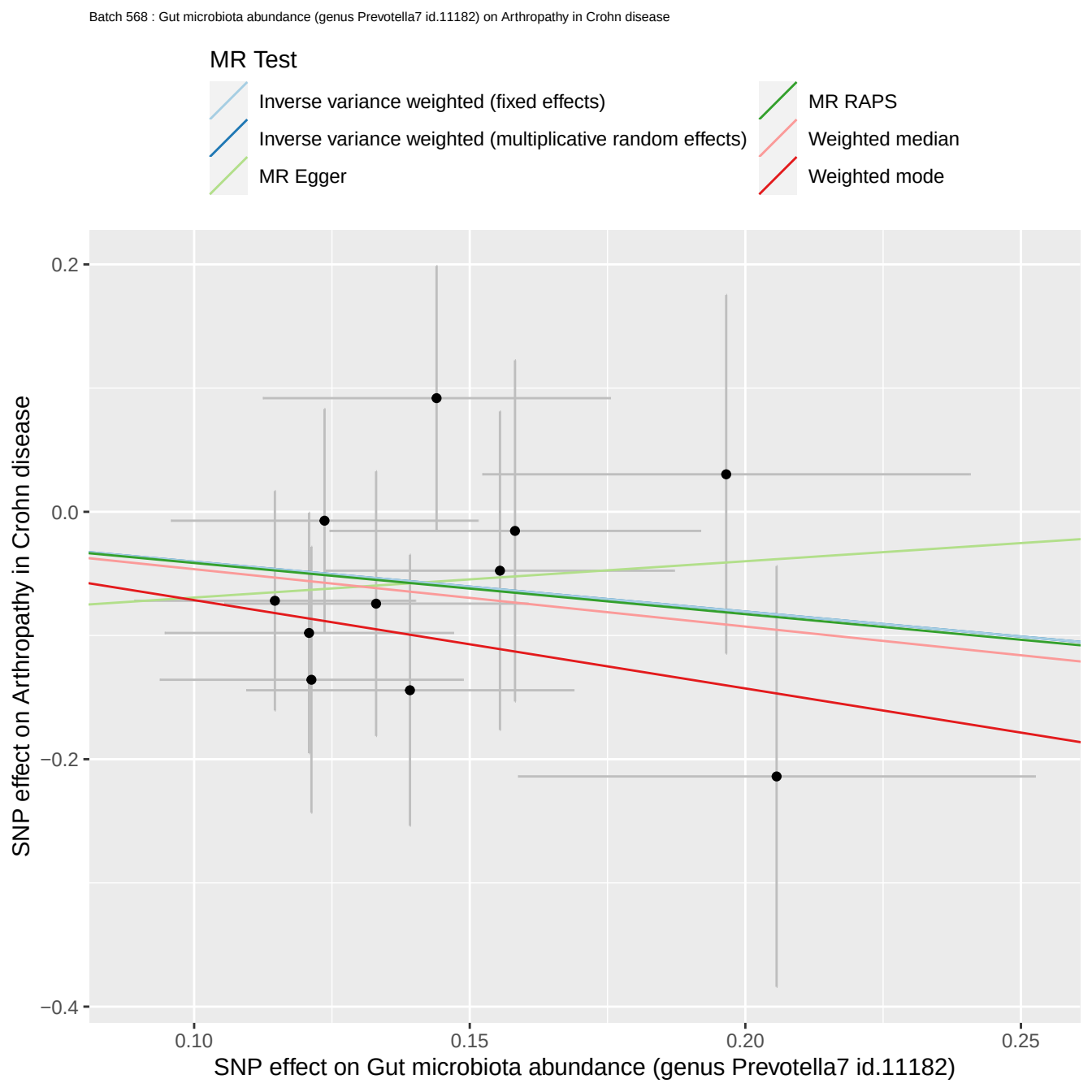

Batch 563 : Gut microbiota abundance (genus Parabacteroides id.954) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

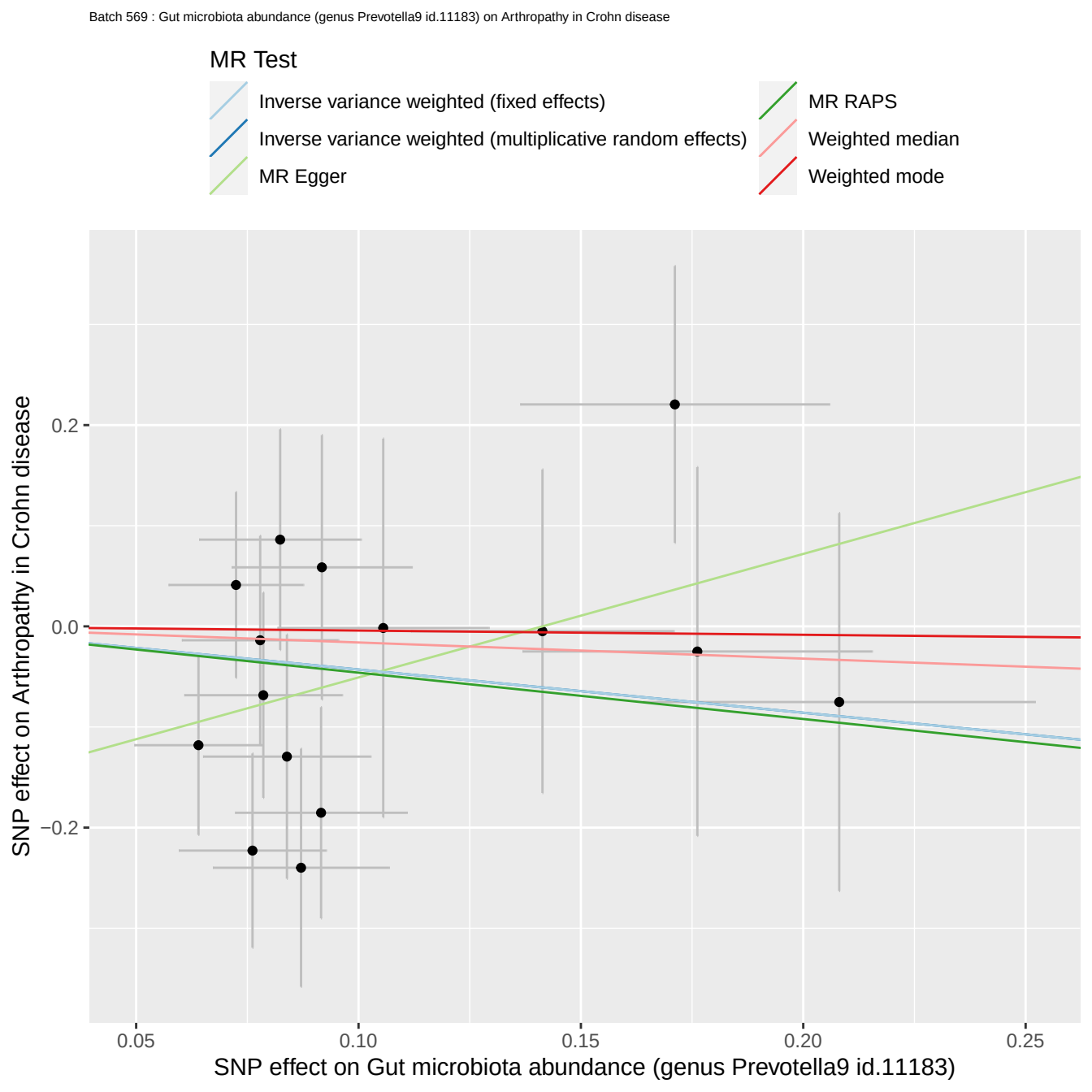

Batch 564 : Gut microbiota abundance (genus Paraprevotella id.962) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)


Batch 565 : Gut microbiota abundance (genus Parasutterella id.2892) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.3
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

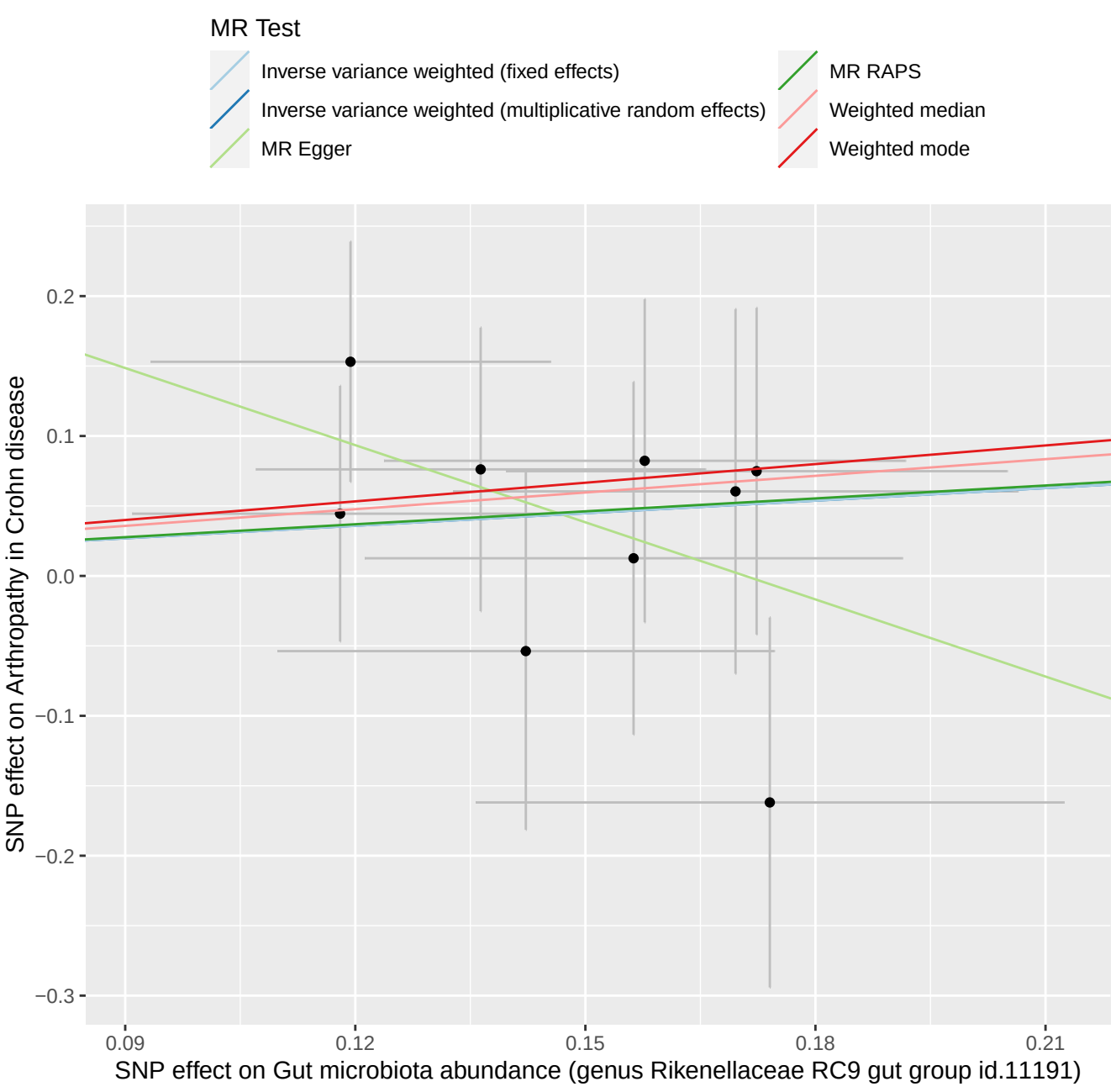

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

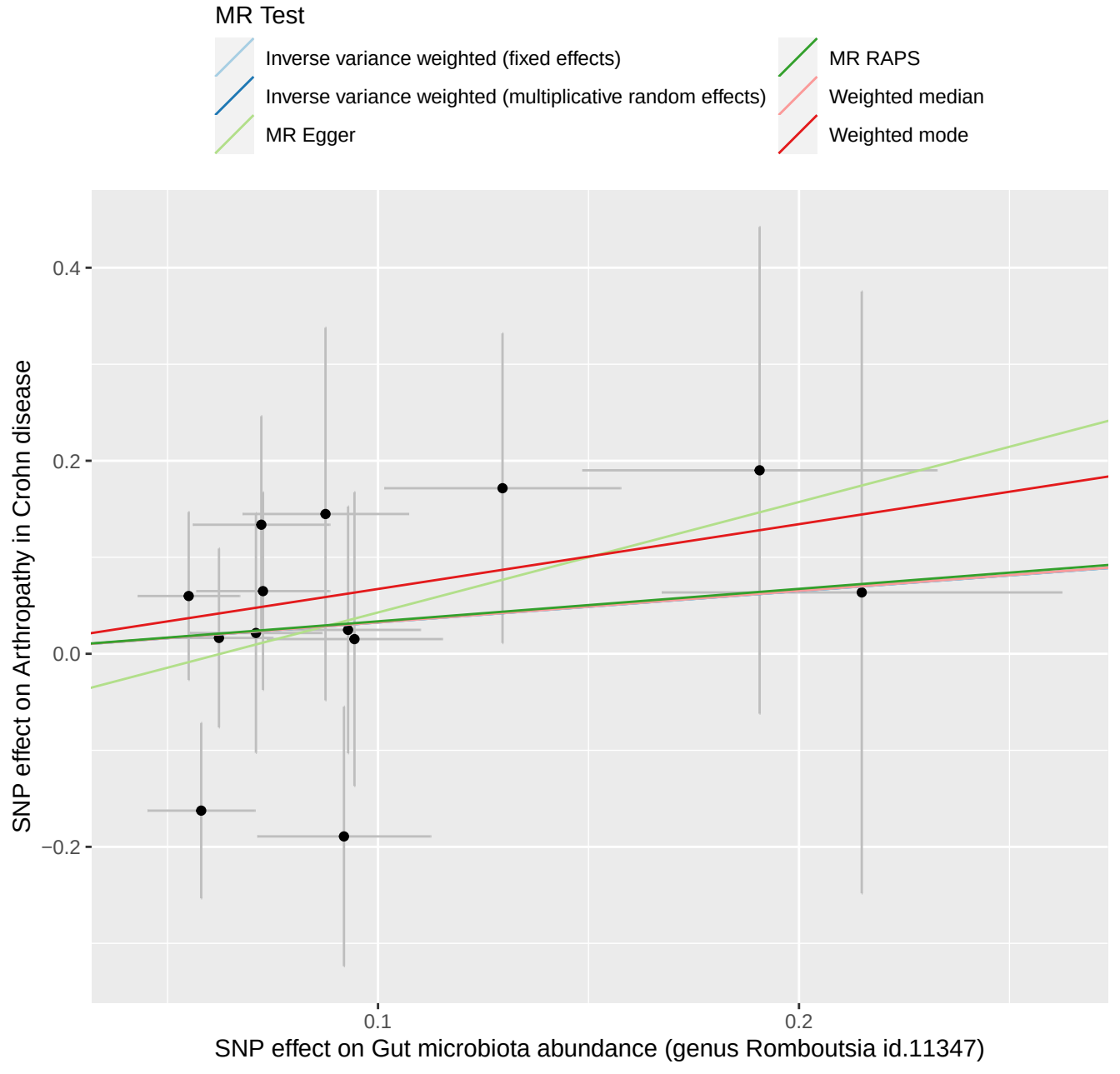

Batch 567 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)


Batch 568 : Gut microbiota abundance (genus Prevotella7 id.11182) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

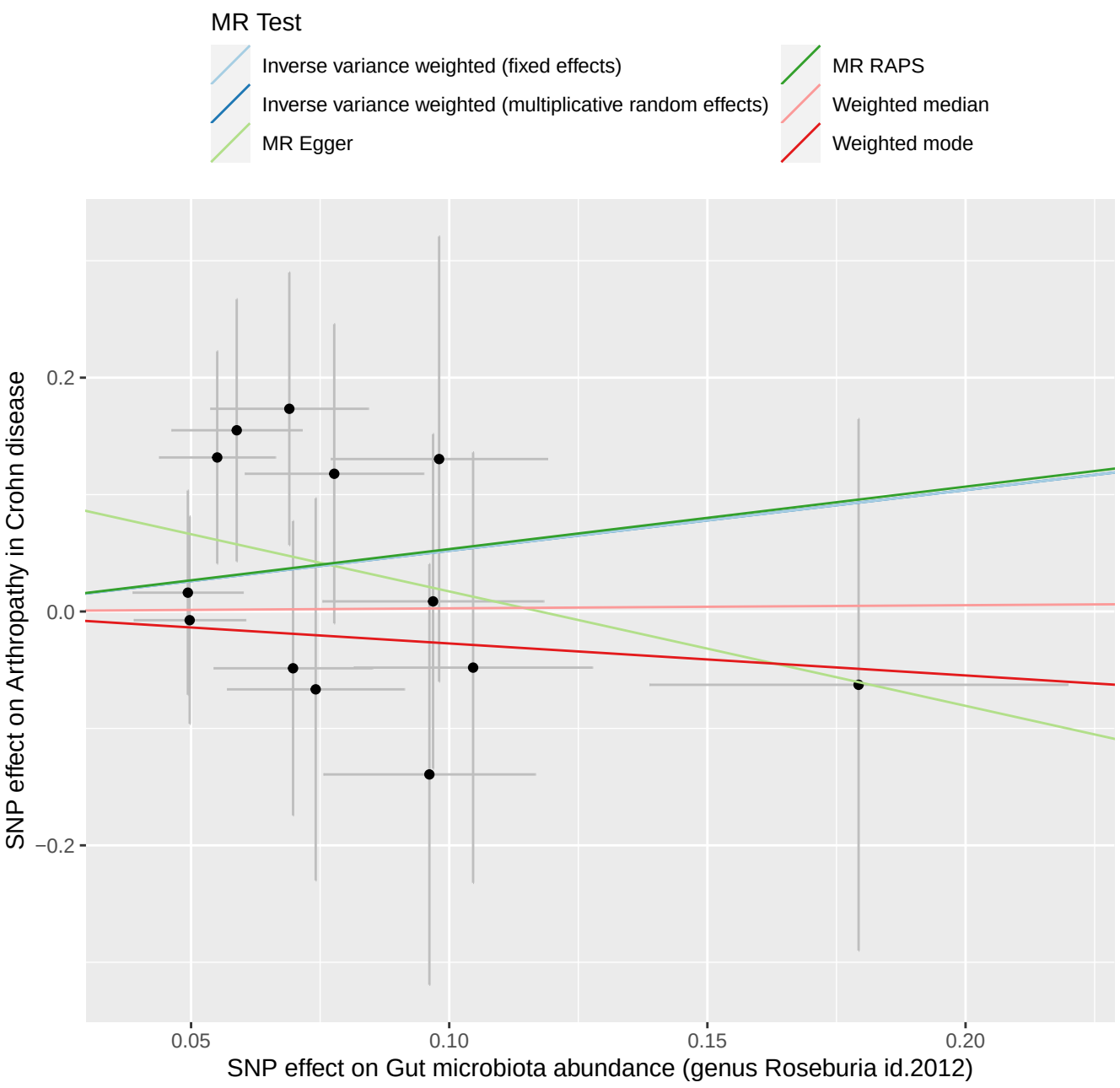

Batch 569 : Gut microbiota abundance (genus Prevotella9 id.11183) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

Batch 570 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Arthropathy in Crohn disease

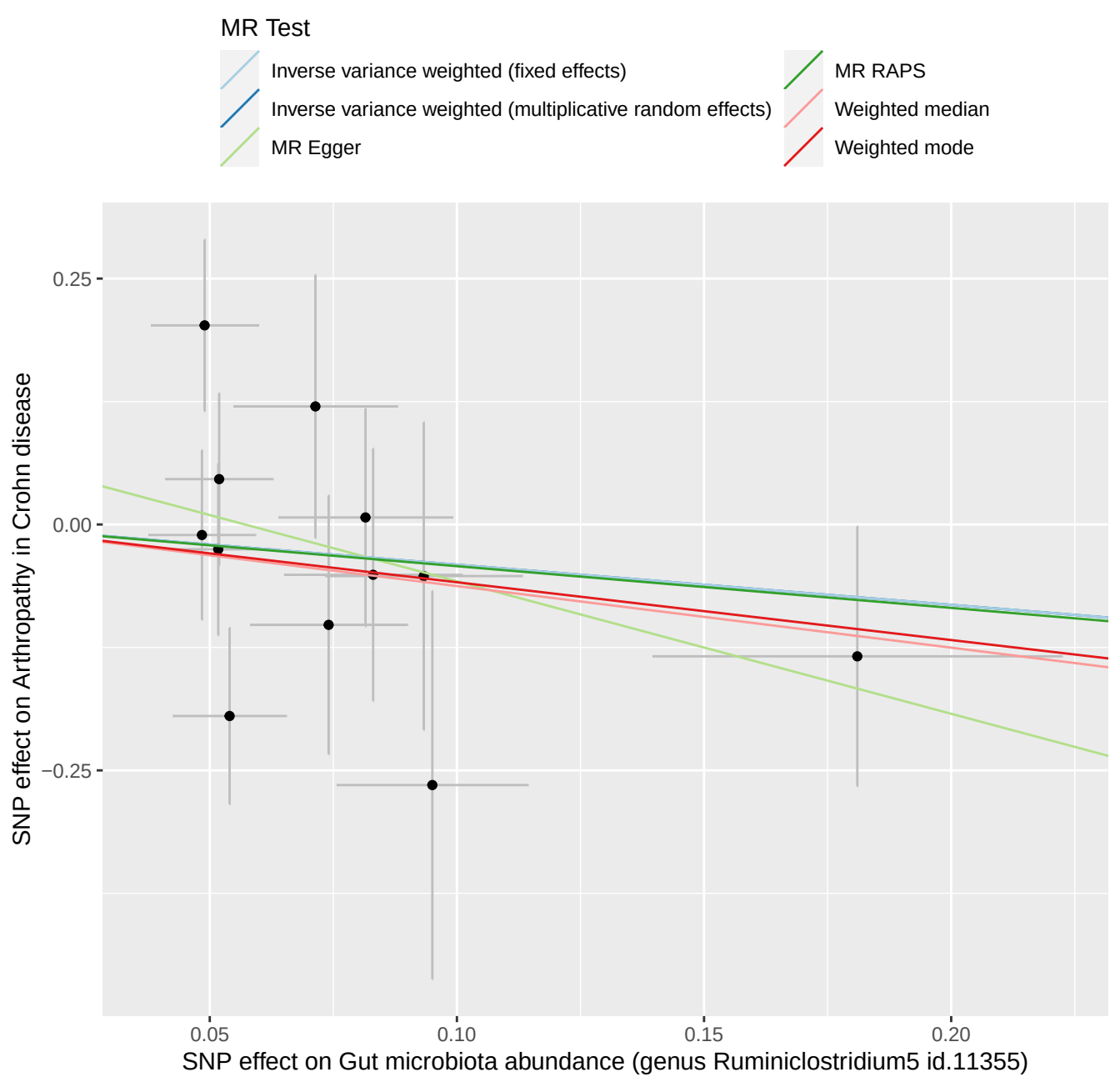



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
0.1
0.2
SNP effect on Arthropathy in Crohn disease
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

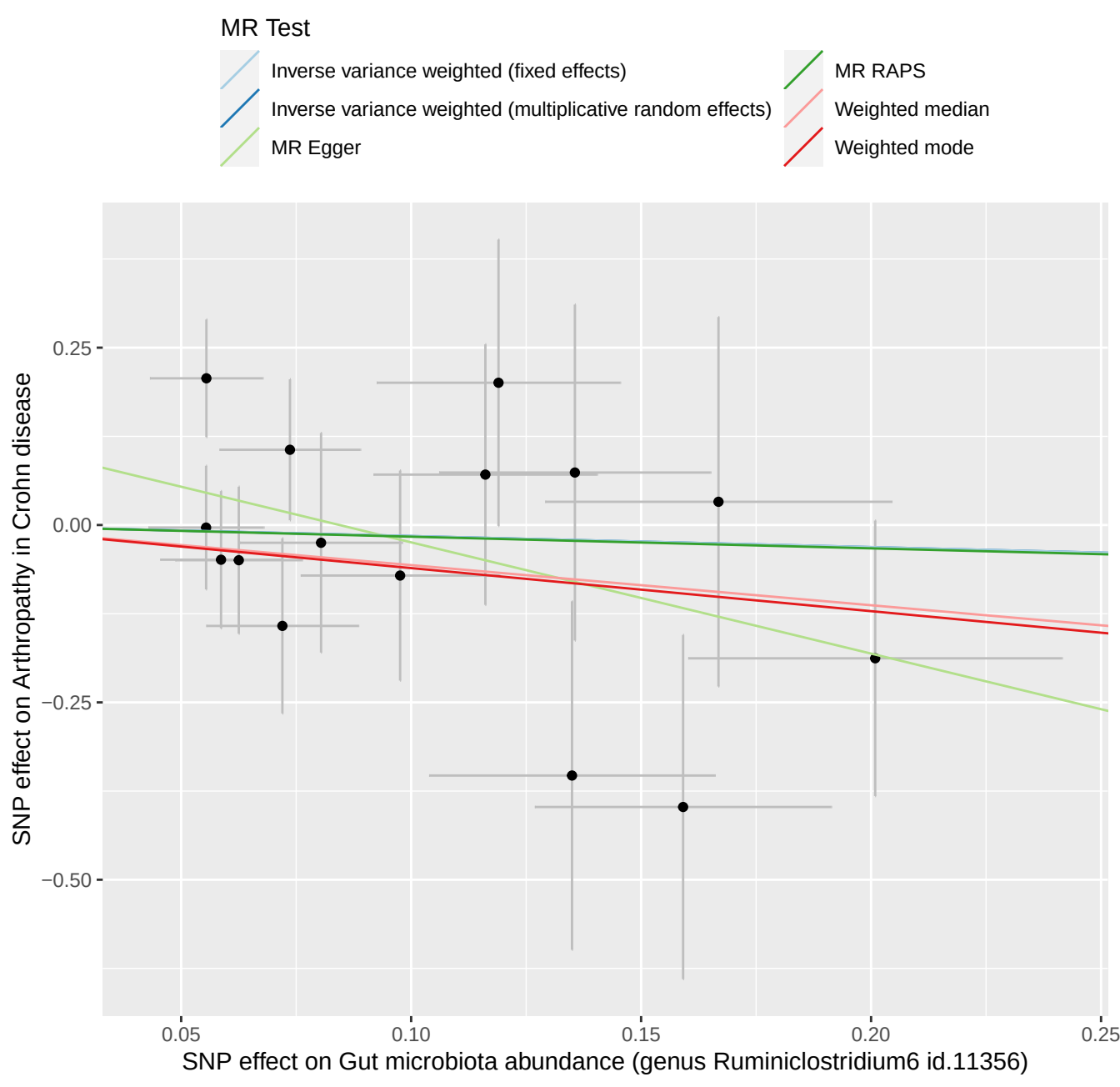
Batch 572 : Gut microbiota abundance (genus Roseburia id.2012) on Arthropathy in Crohn disease

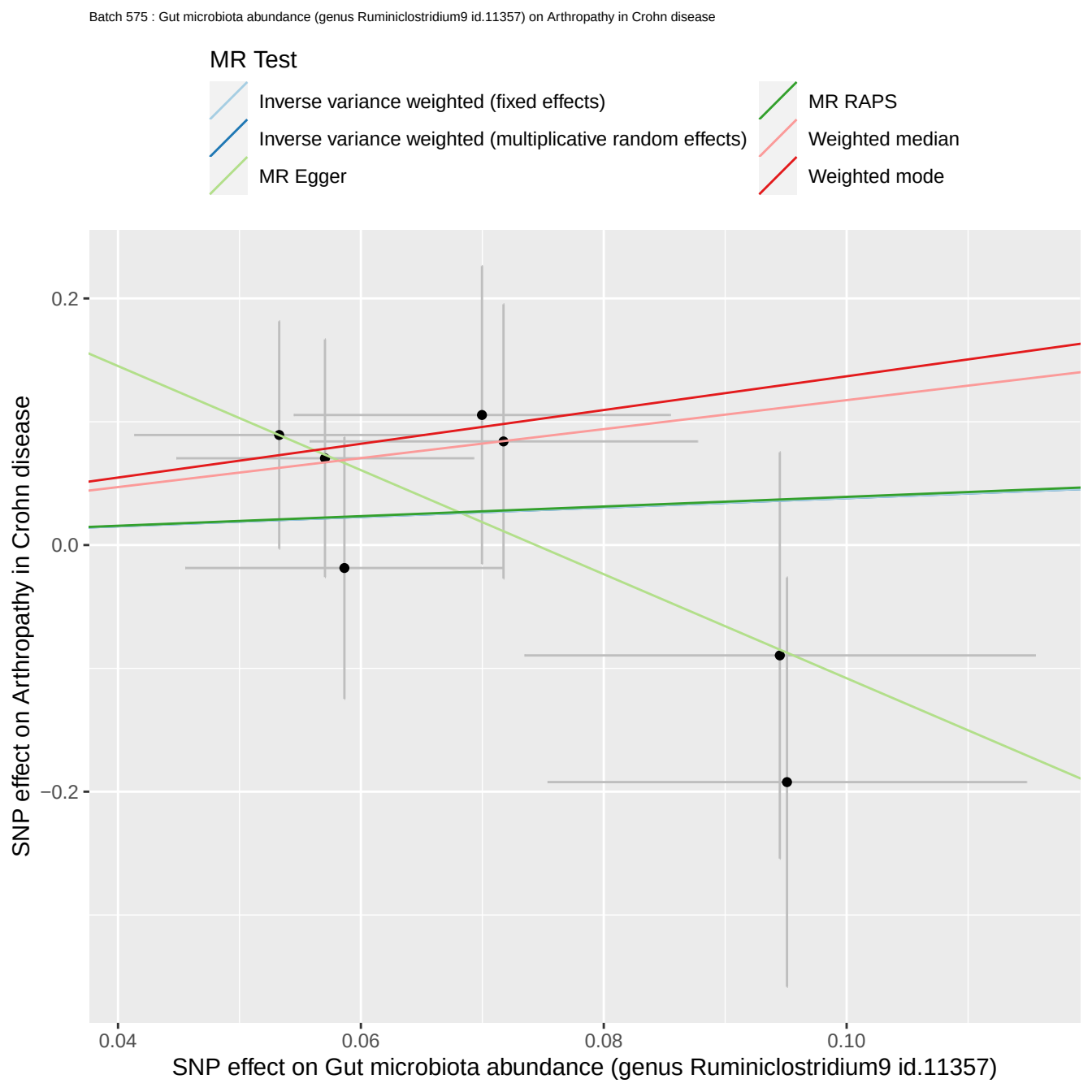


Batch 573 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Arthropathy in Crohn disease

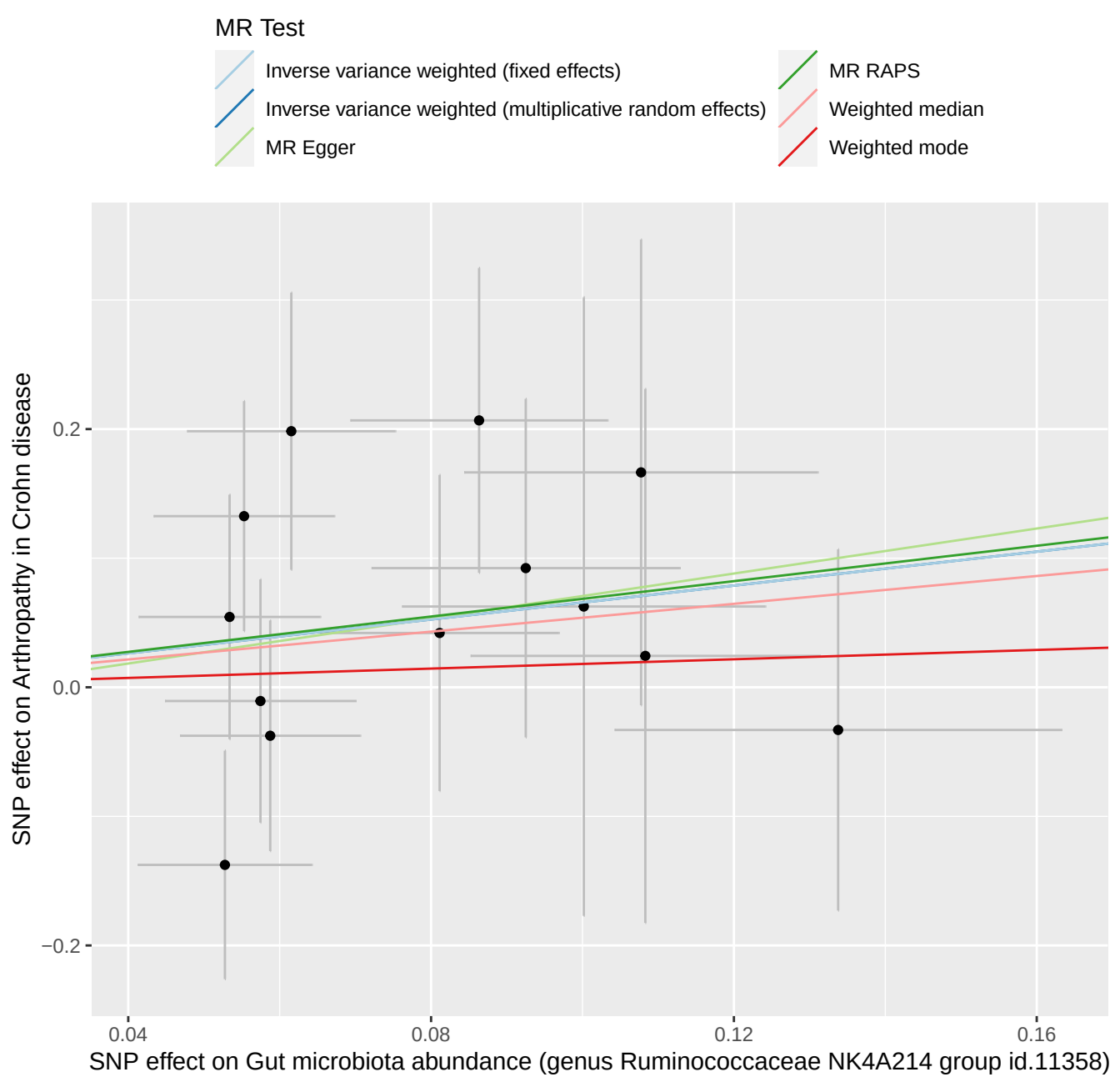


Batch 574 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Arthropathy in Crohn disease

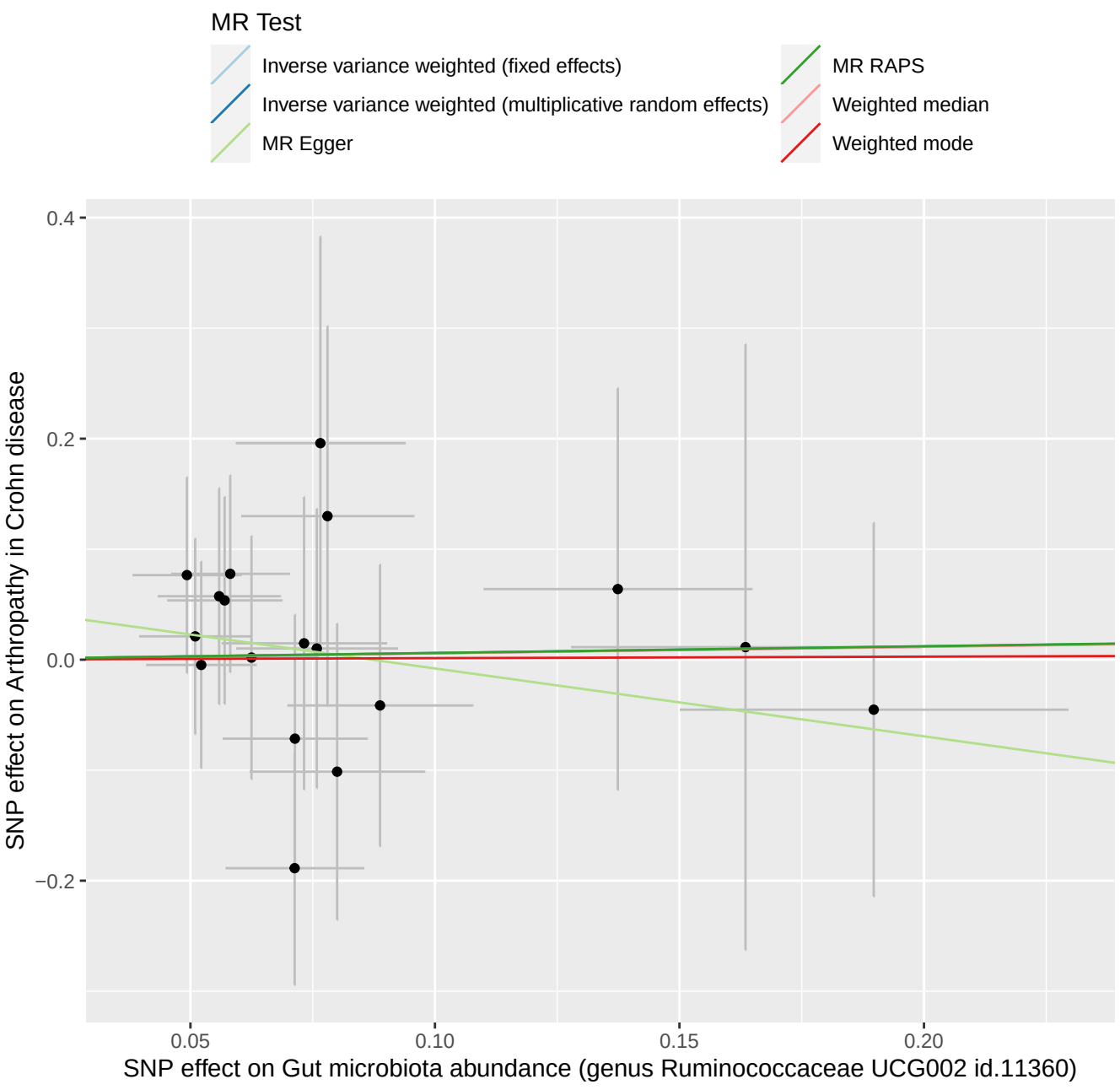



Batch 575 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

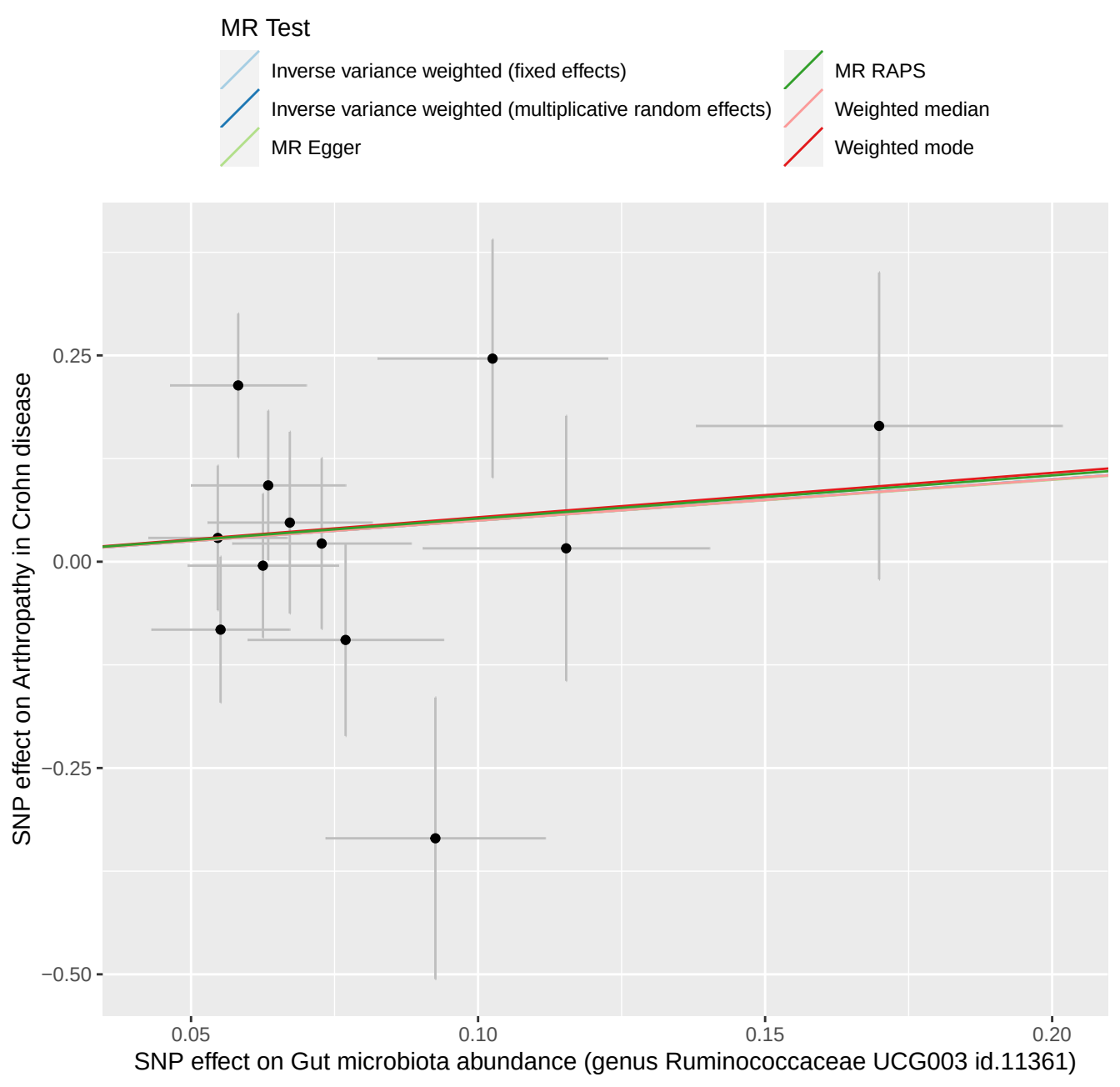
Batch 576 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Arthropathy in Crohn disease

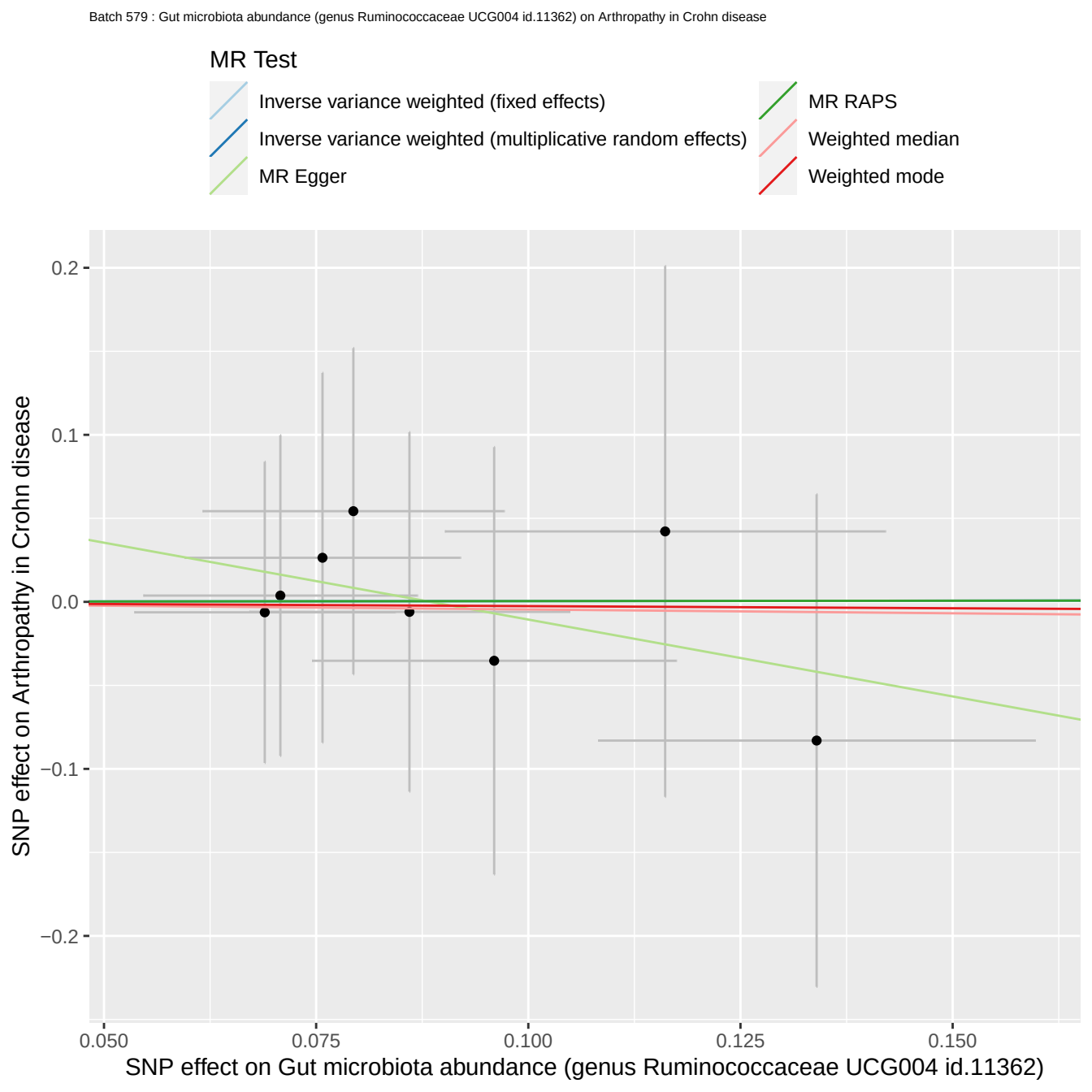


Batch 577 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Arthropathy in Crohn disease

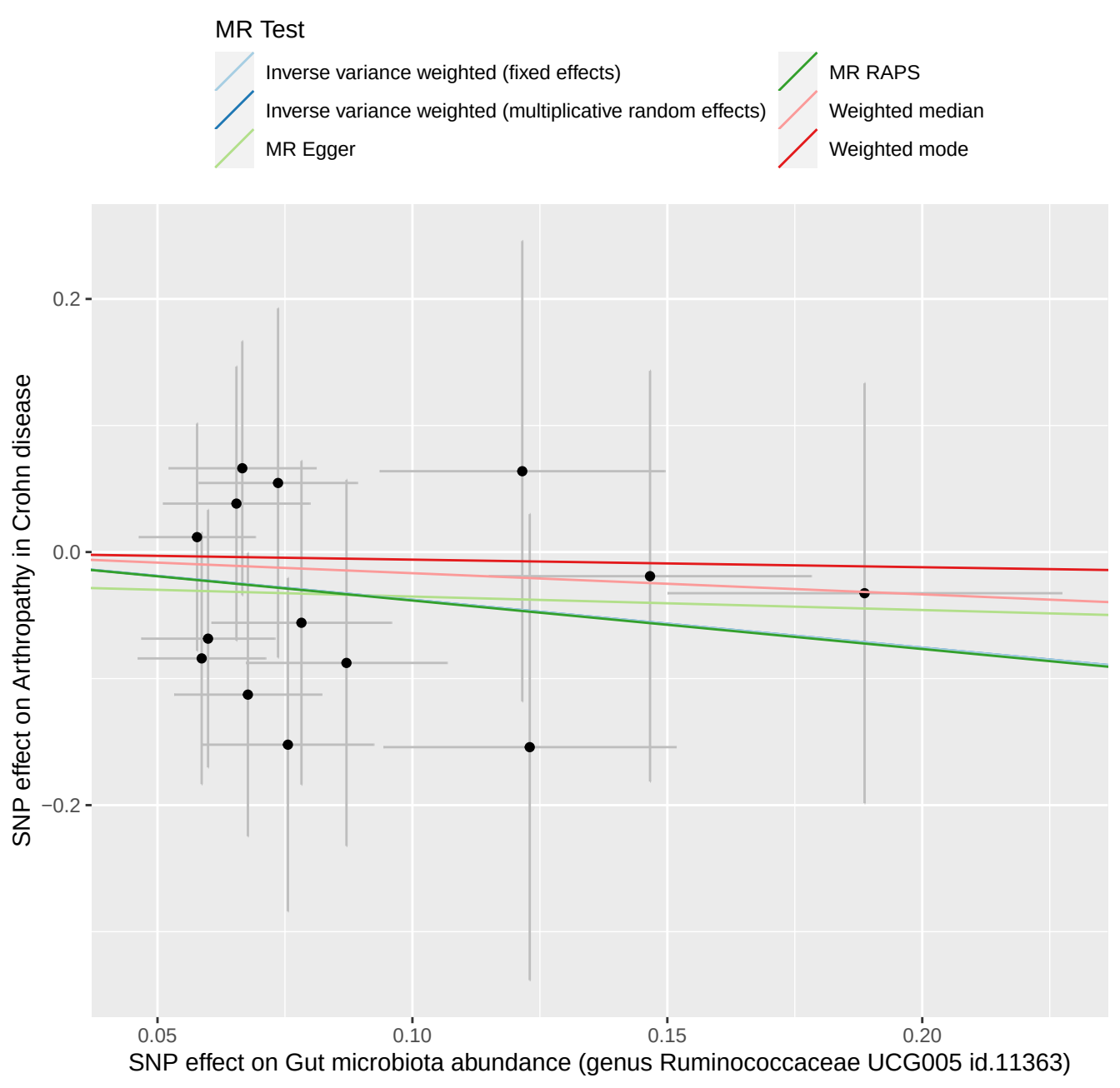


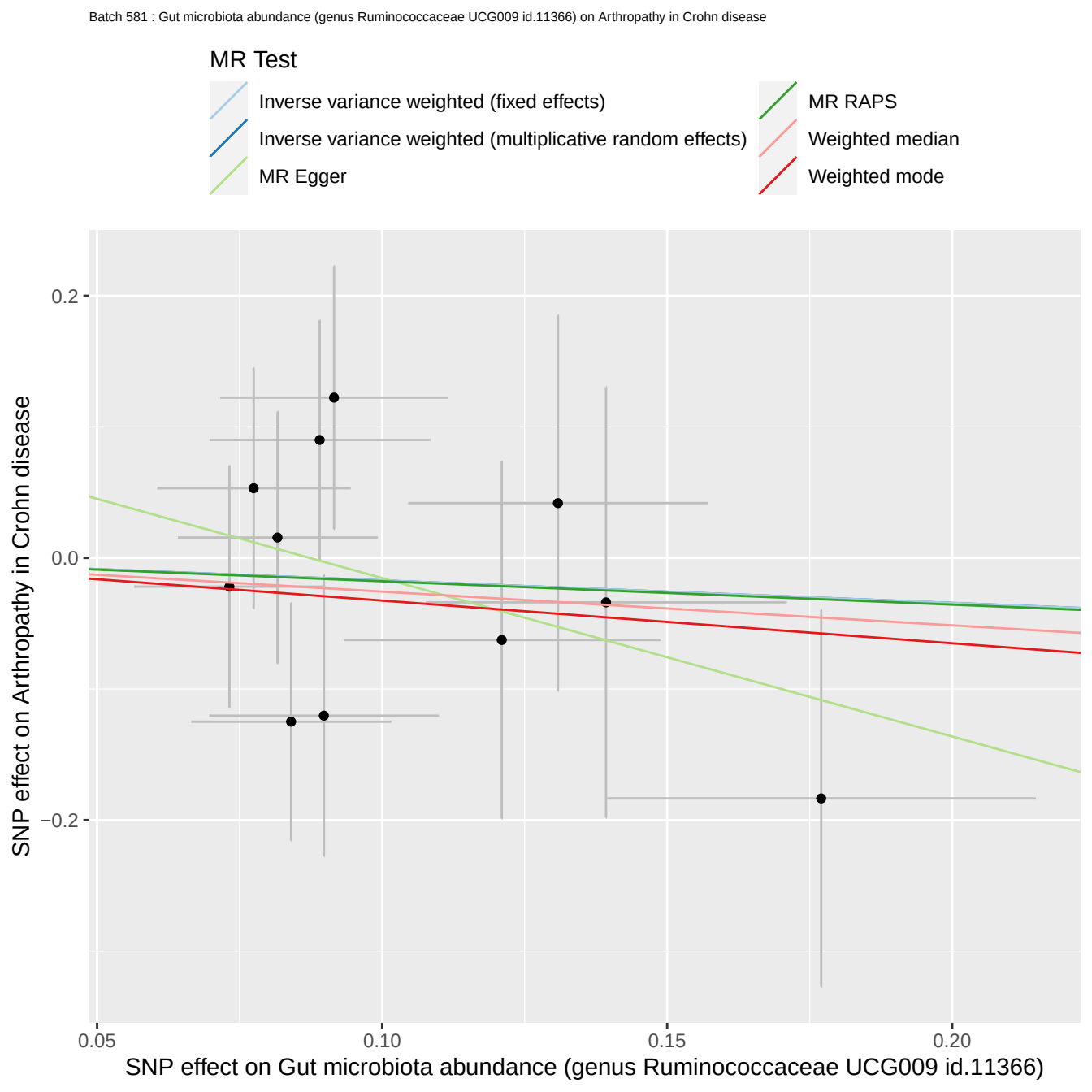
Batch 578 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Arthropathy in Crohn disease

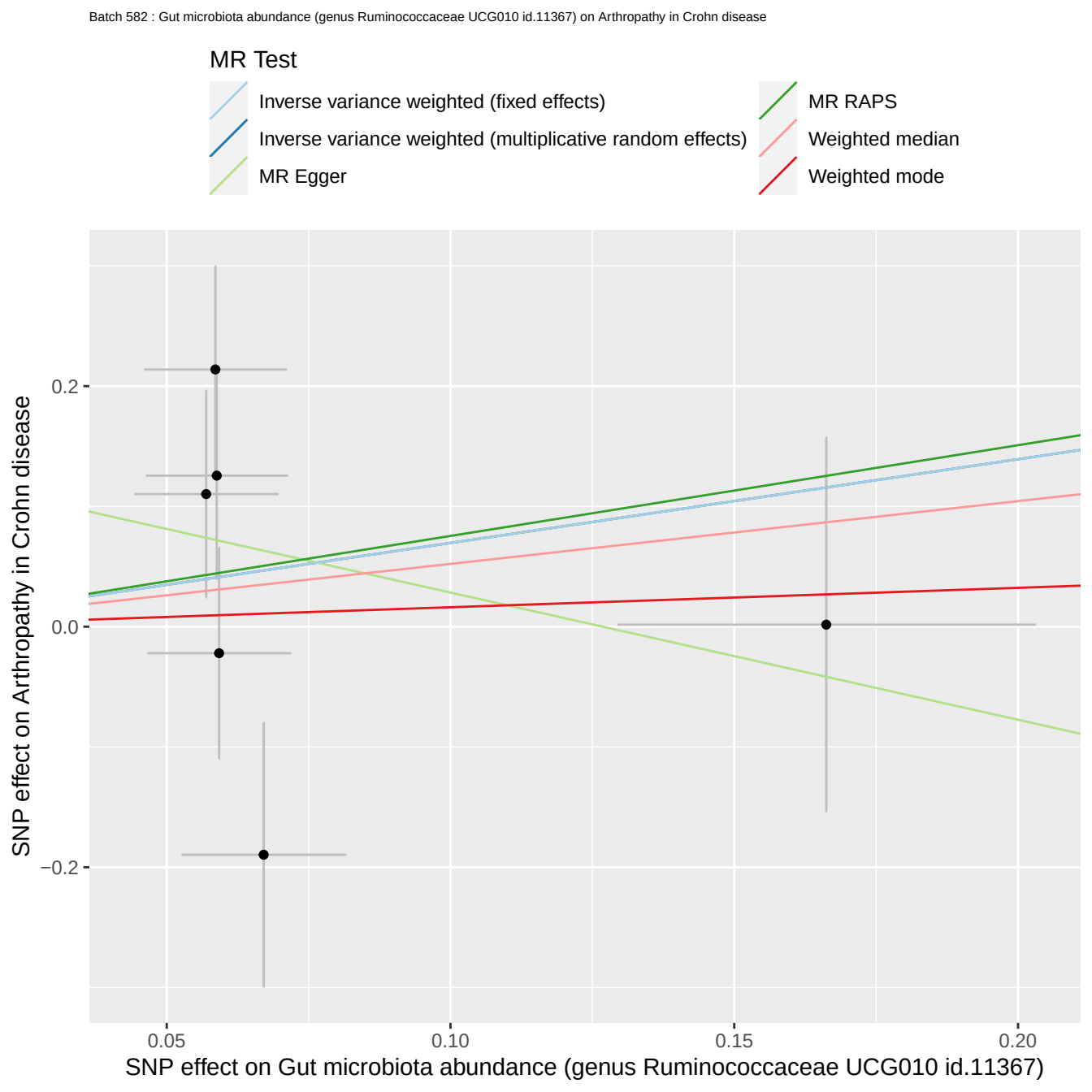


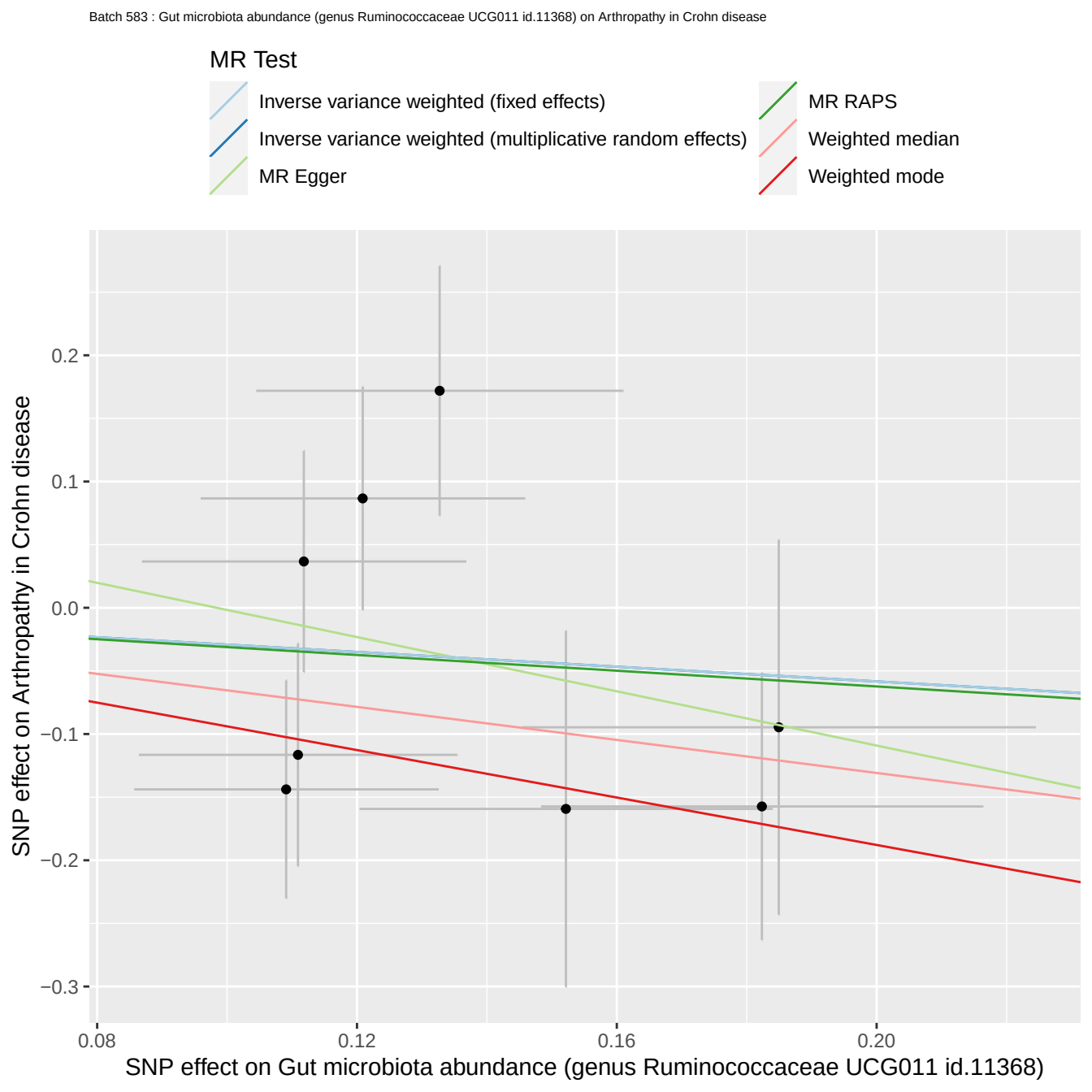

Batch 579 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

Batch 580 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Arthropathy in Crohn disease

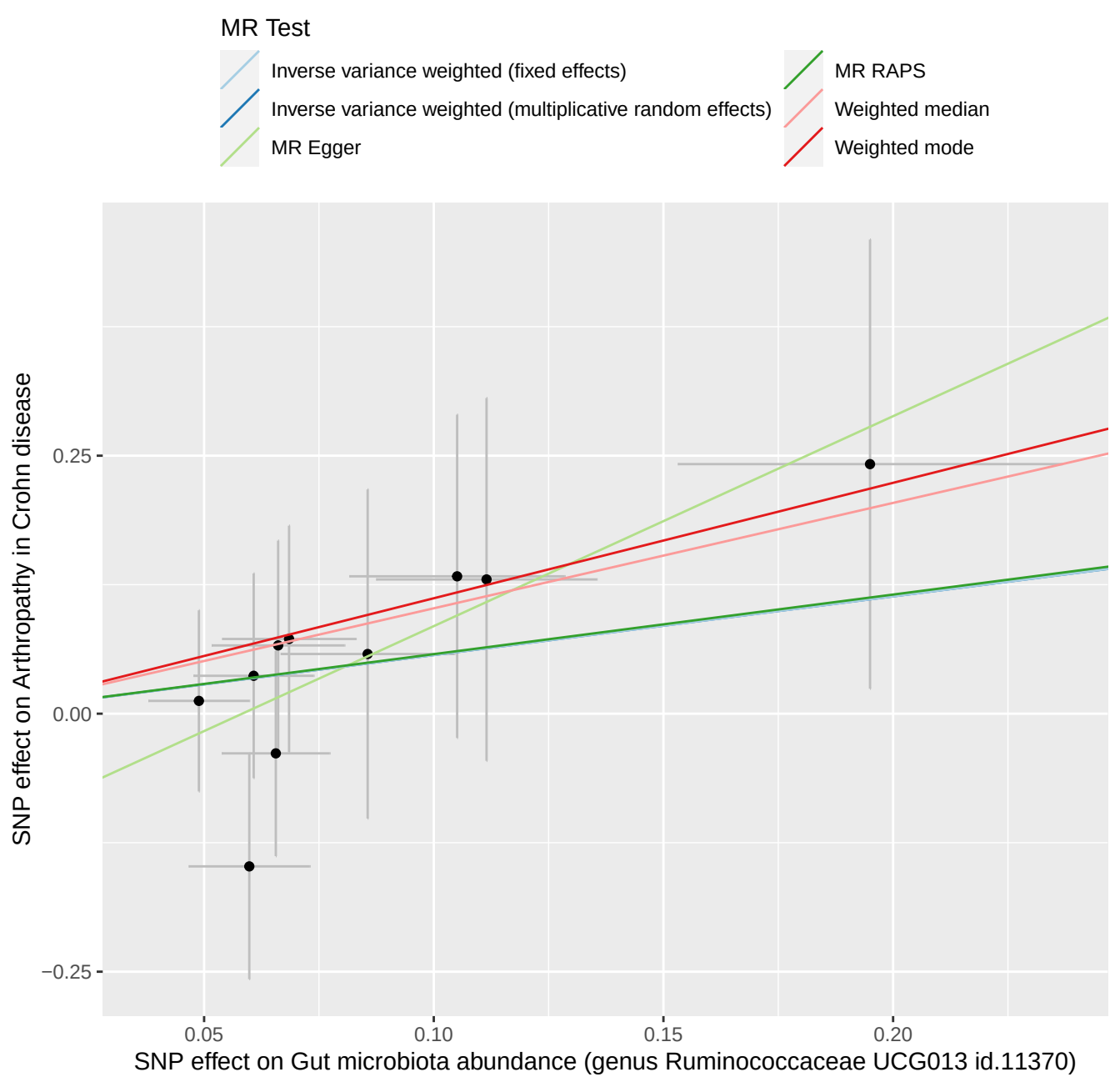


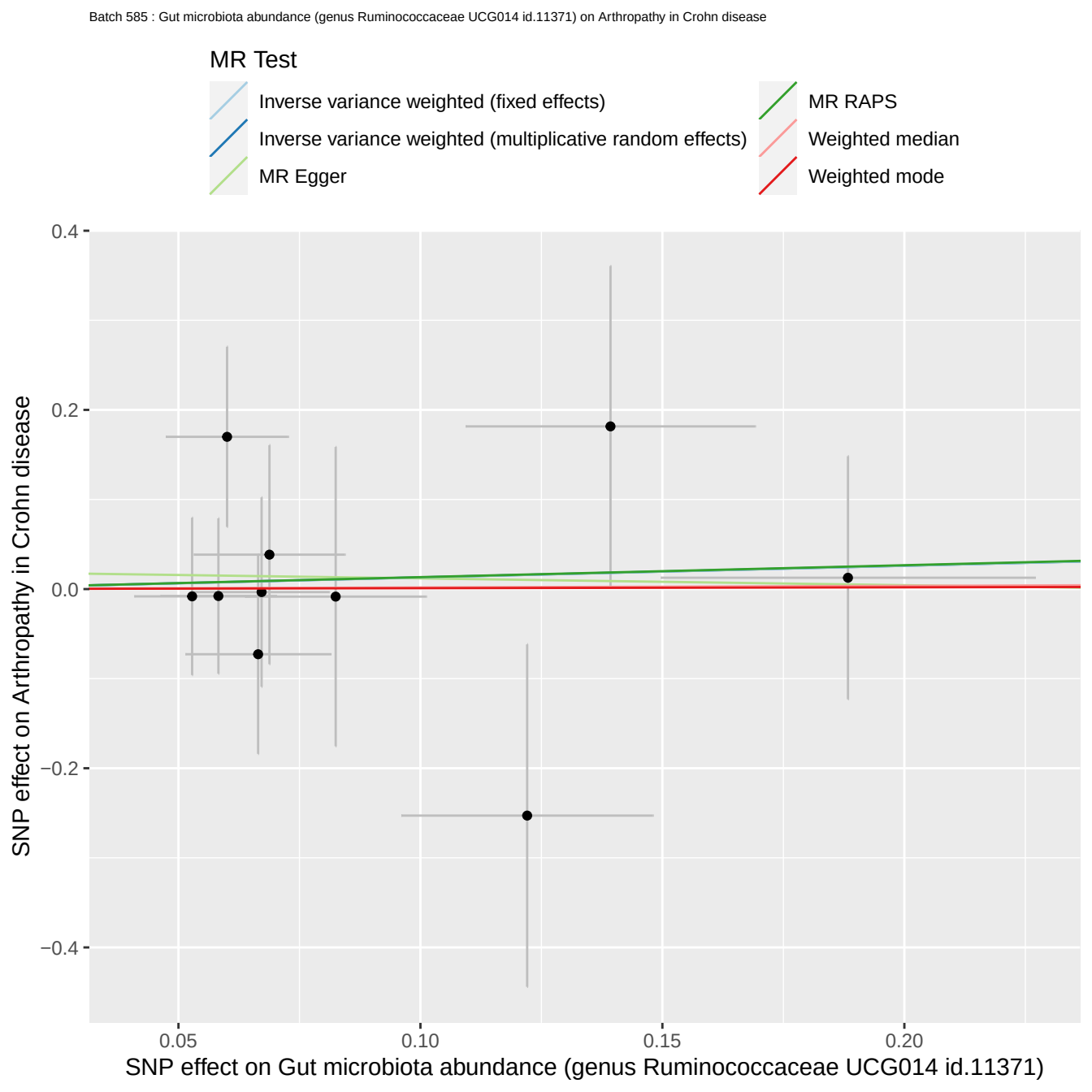

Batch 581 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

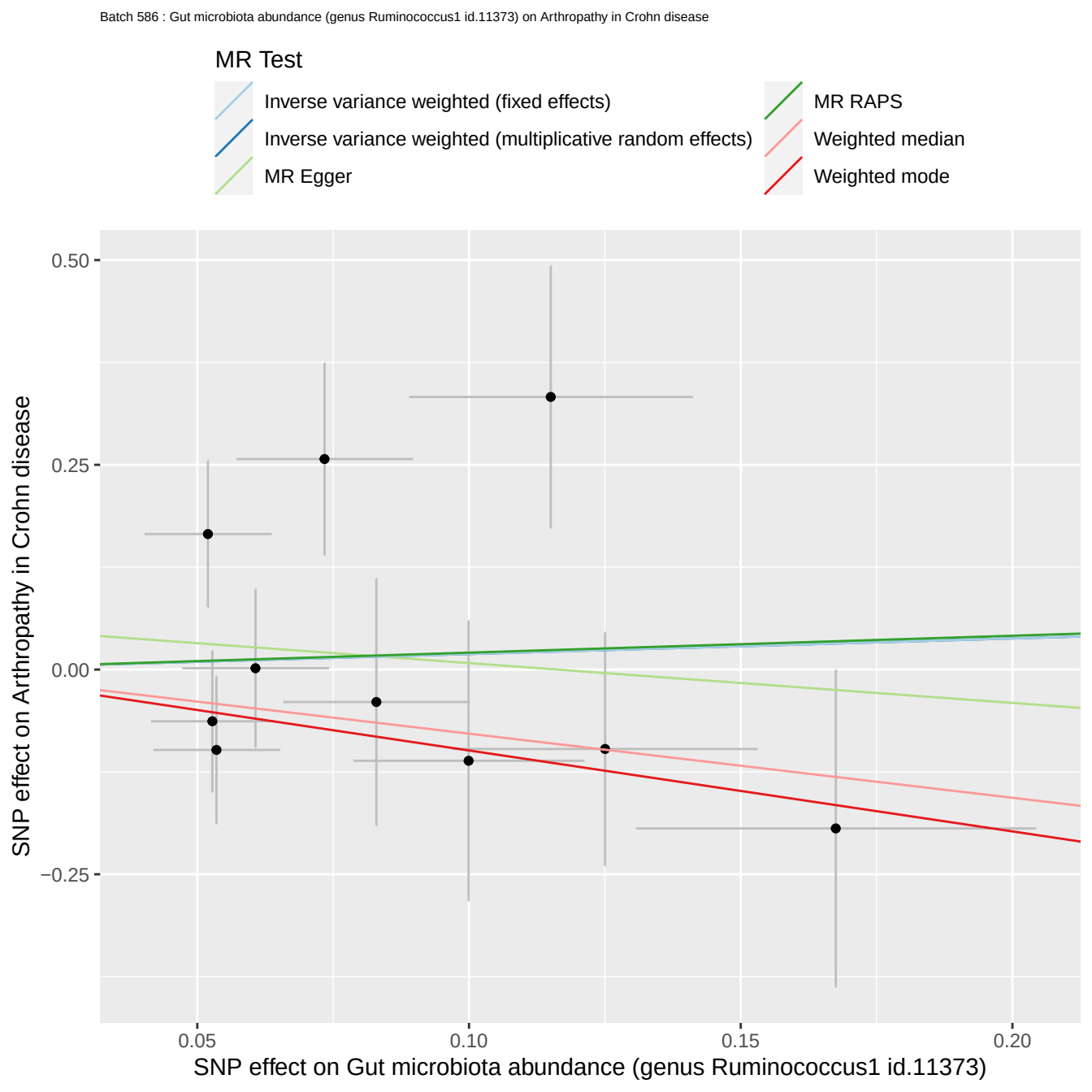

Batch 582 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

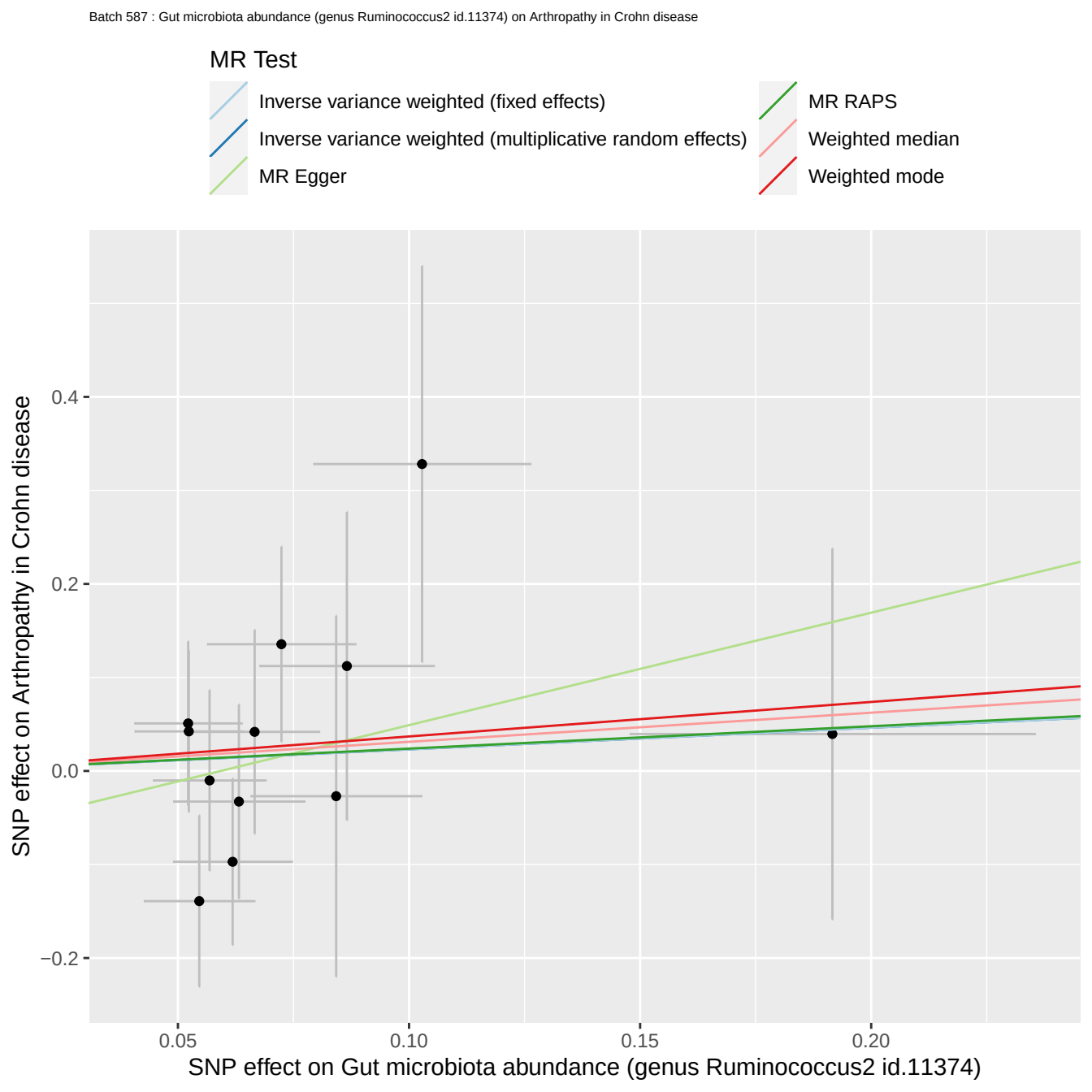

Batch 583 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

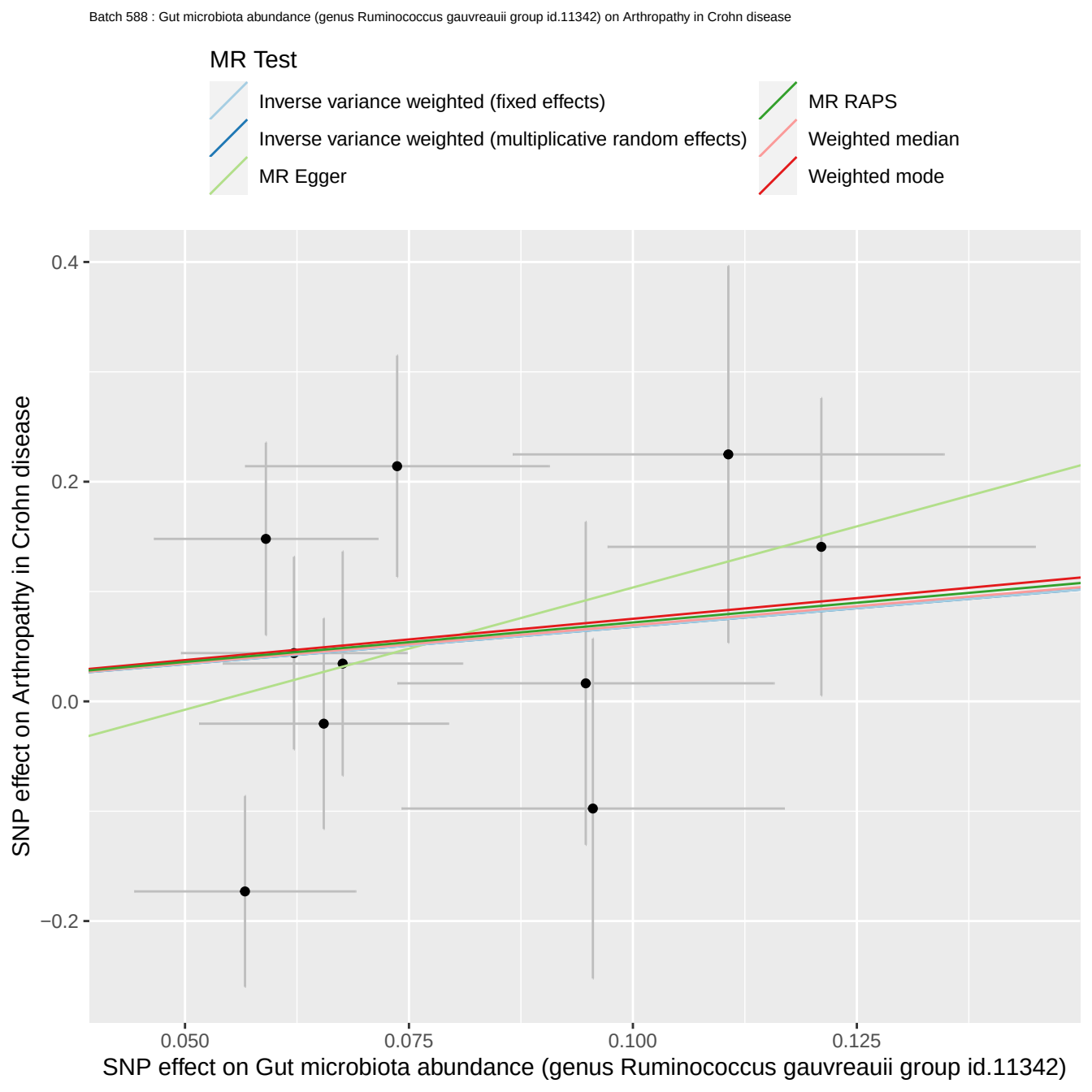
Batch 584 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Arthropathy in Crohn disease



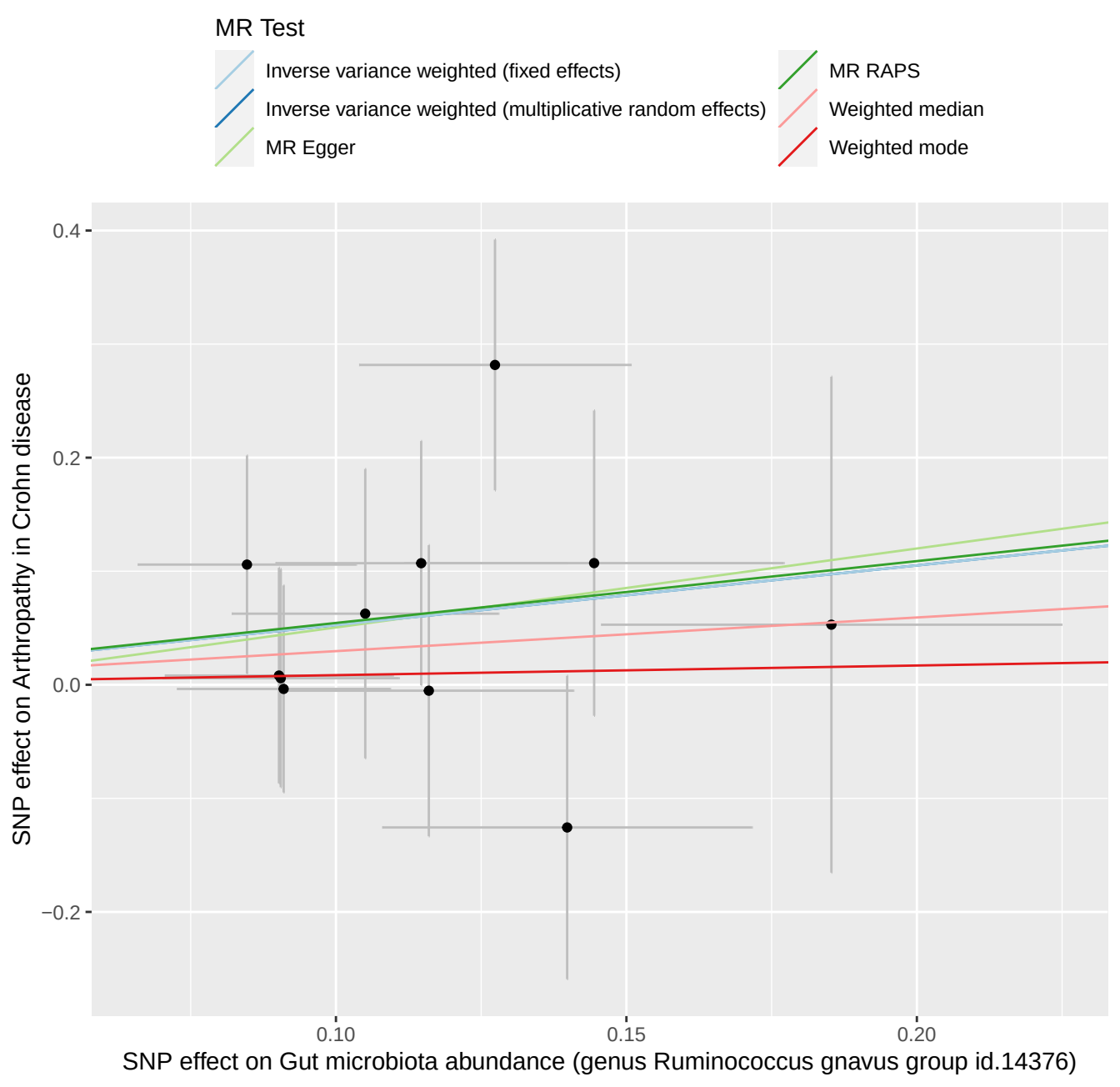

Batch 585 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)


Batch 586 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Arthropathy in Crohn disease
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

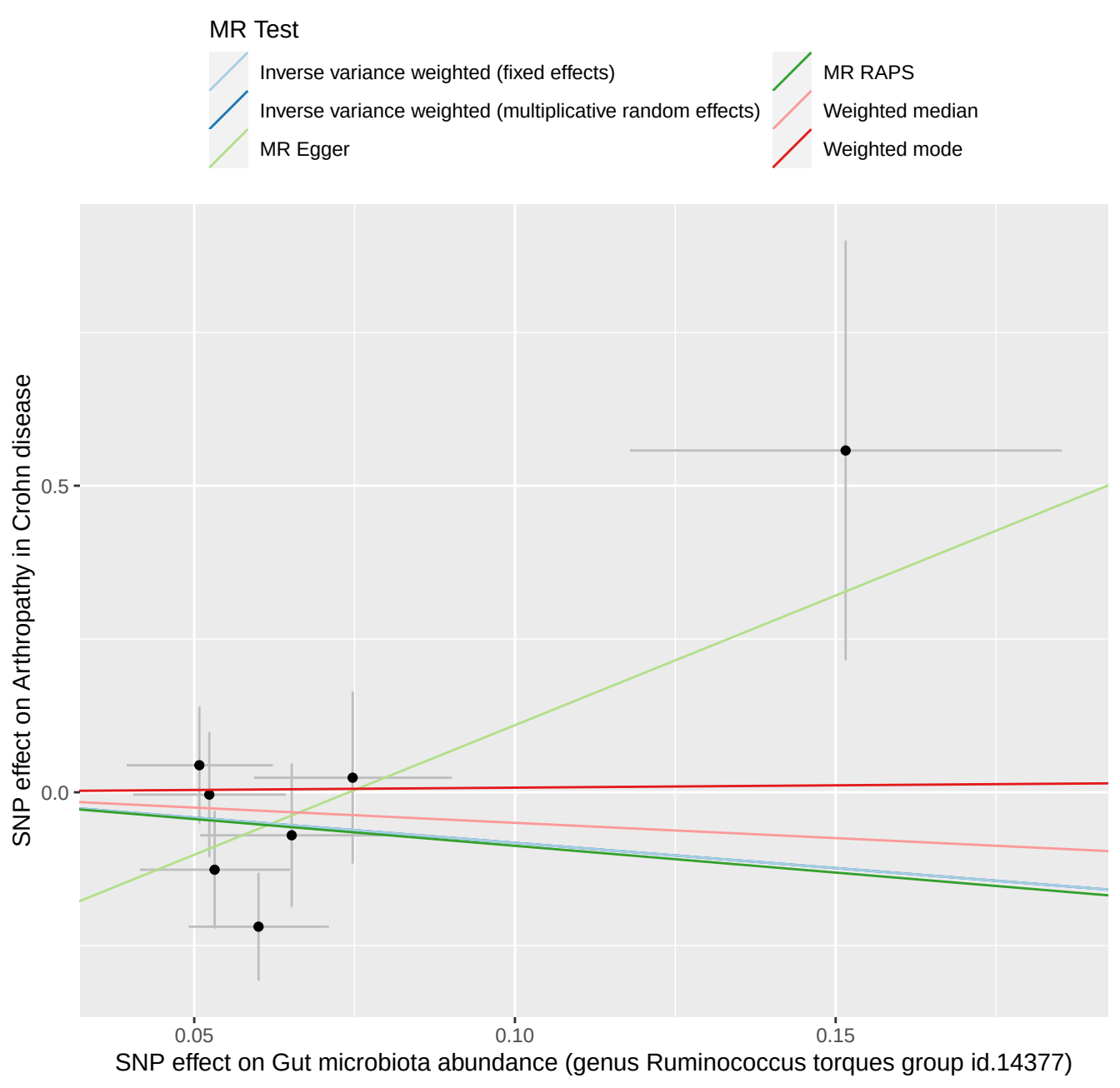

Batch 587 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

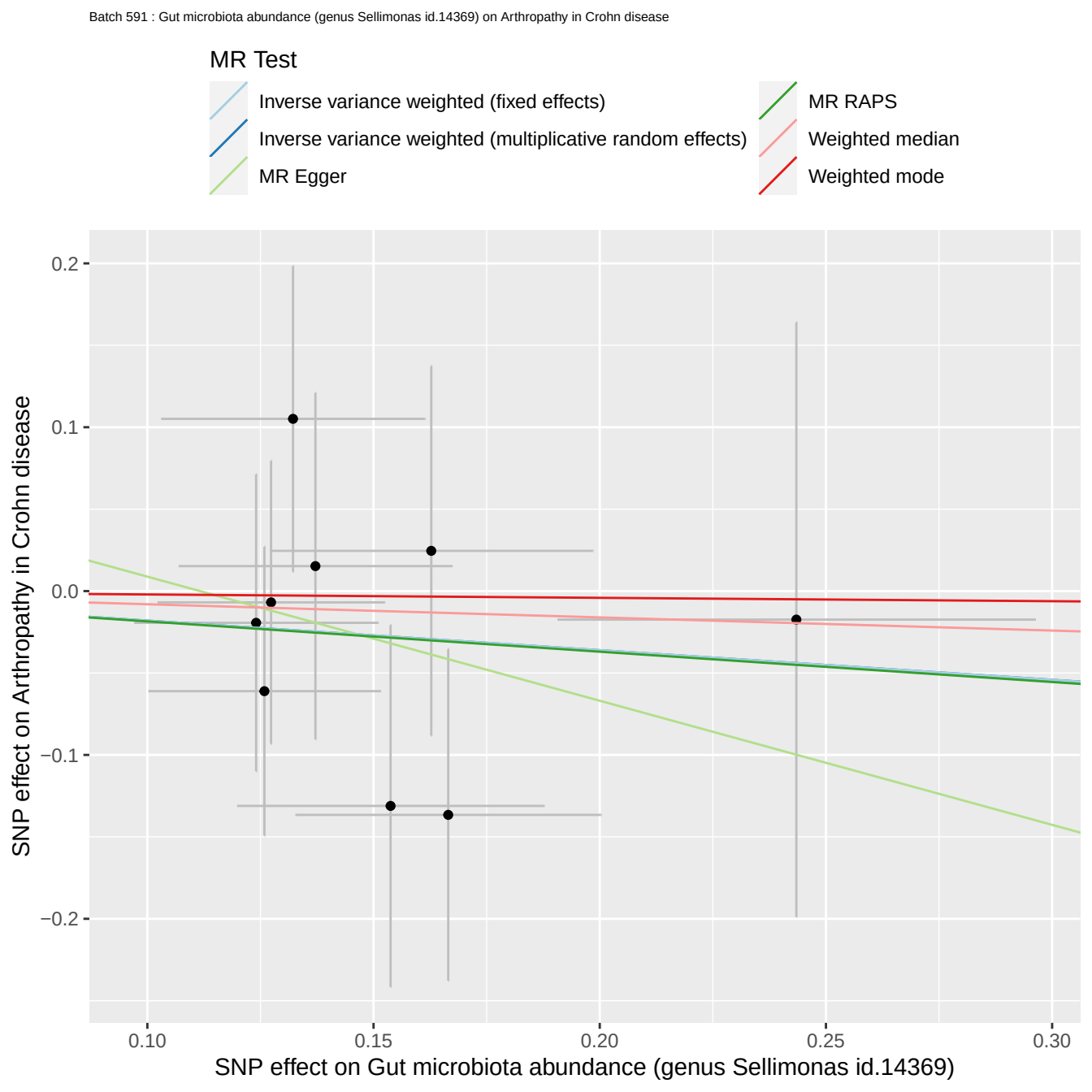

Batch 588 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

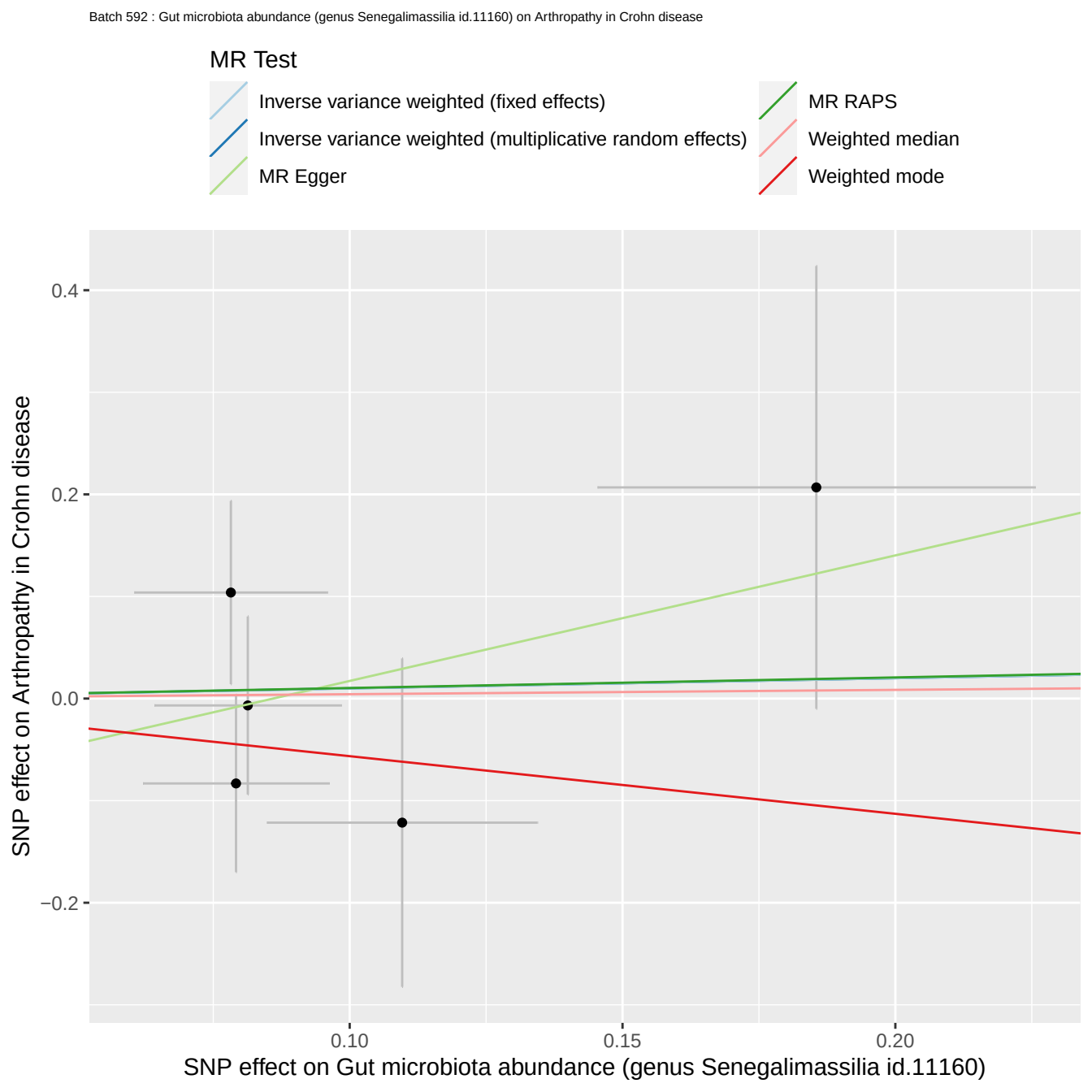
Batch 589 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Arthropathy in Crohn disease



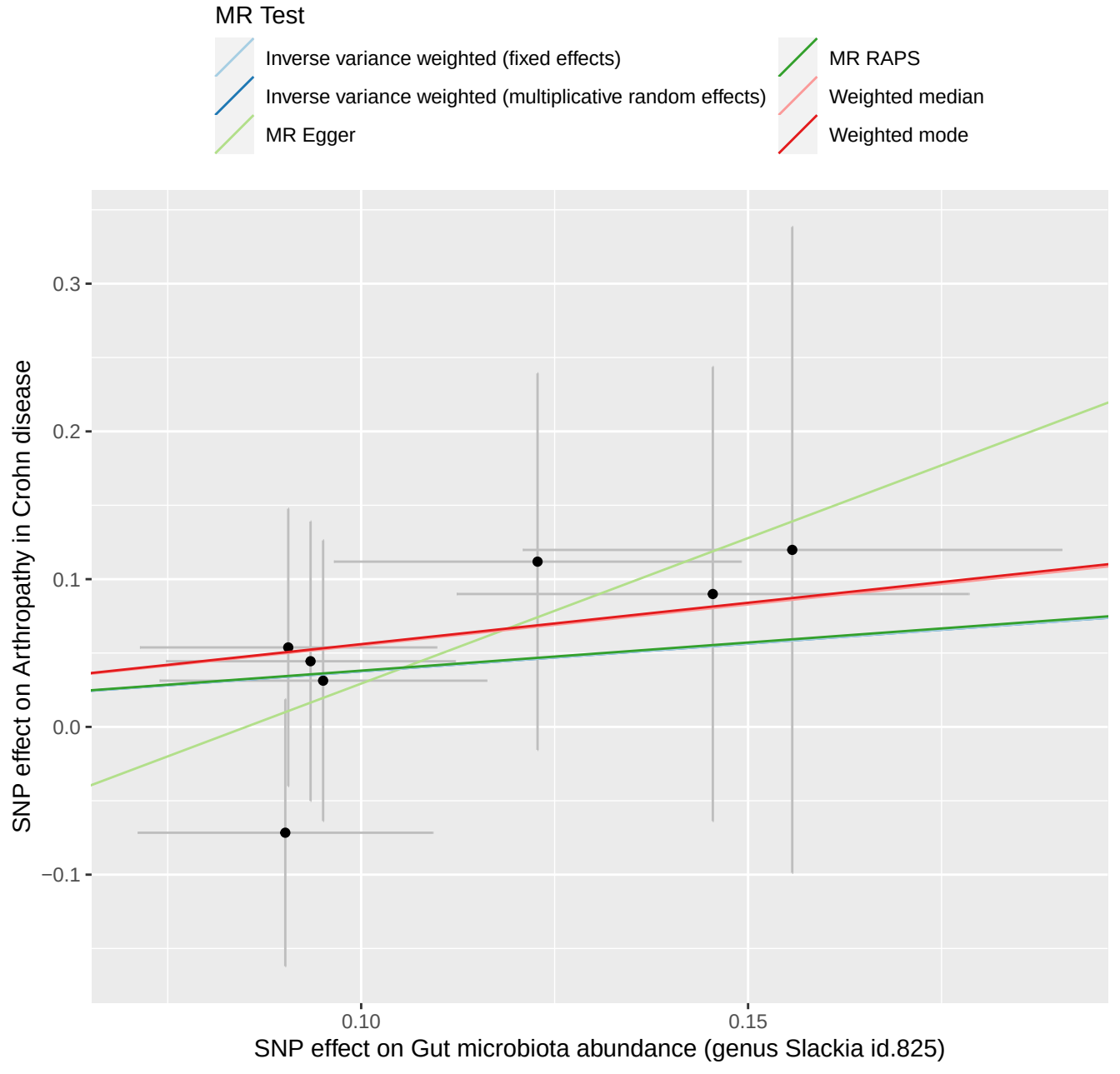
Batch 590 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Arthropathy in Crohn disease



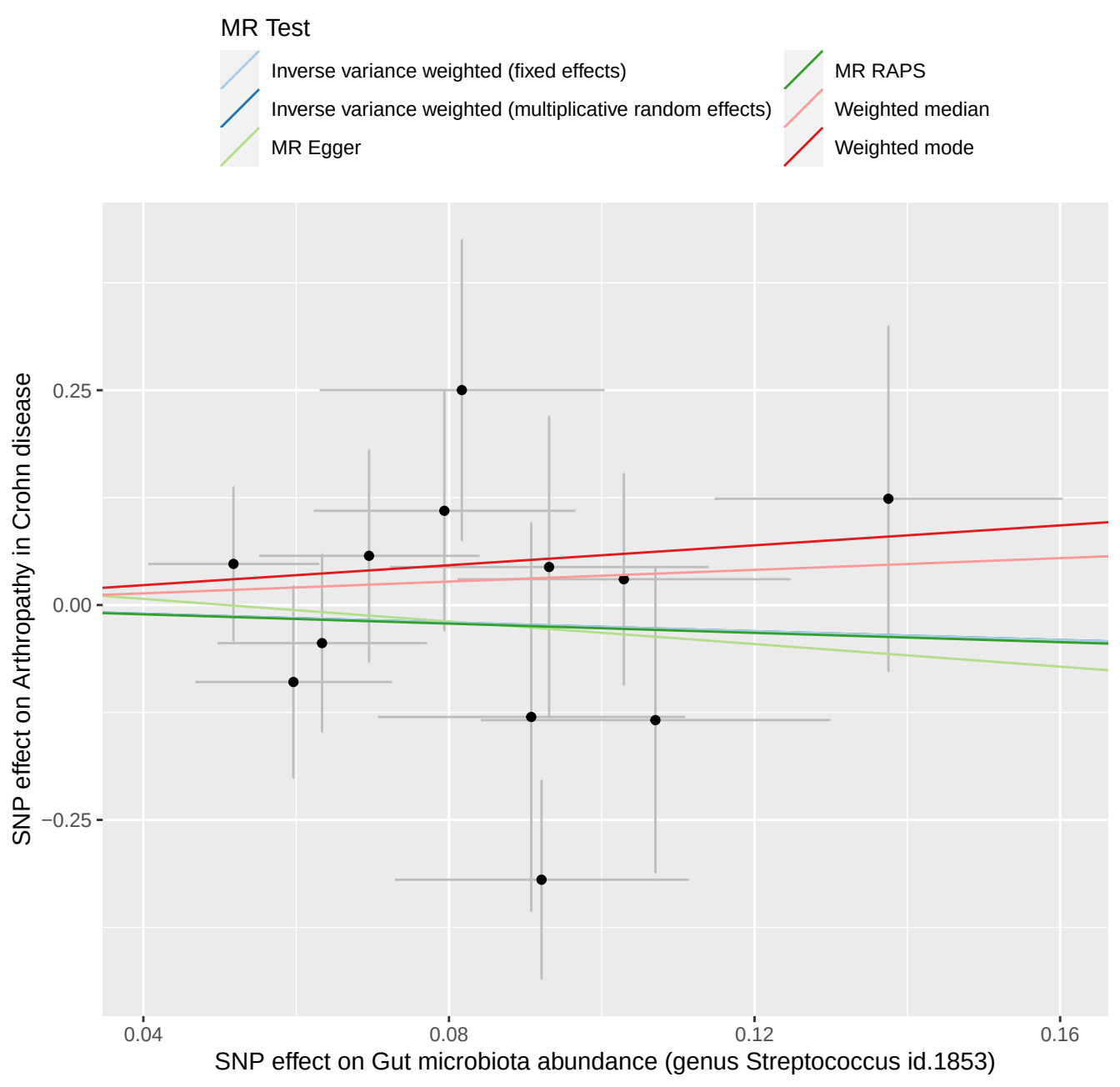

Batch 591 : Gut microbiota abundance (genus Sellimonas id.14369) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)


Batch 592 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in Crohn disease
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

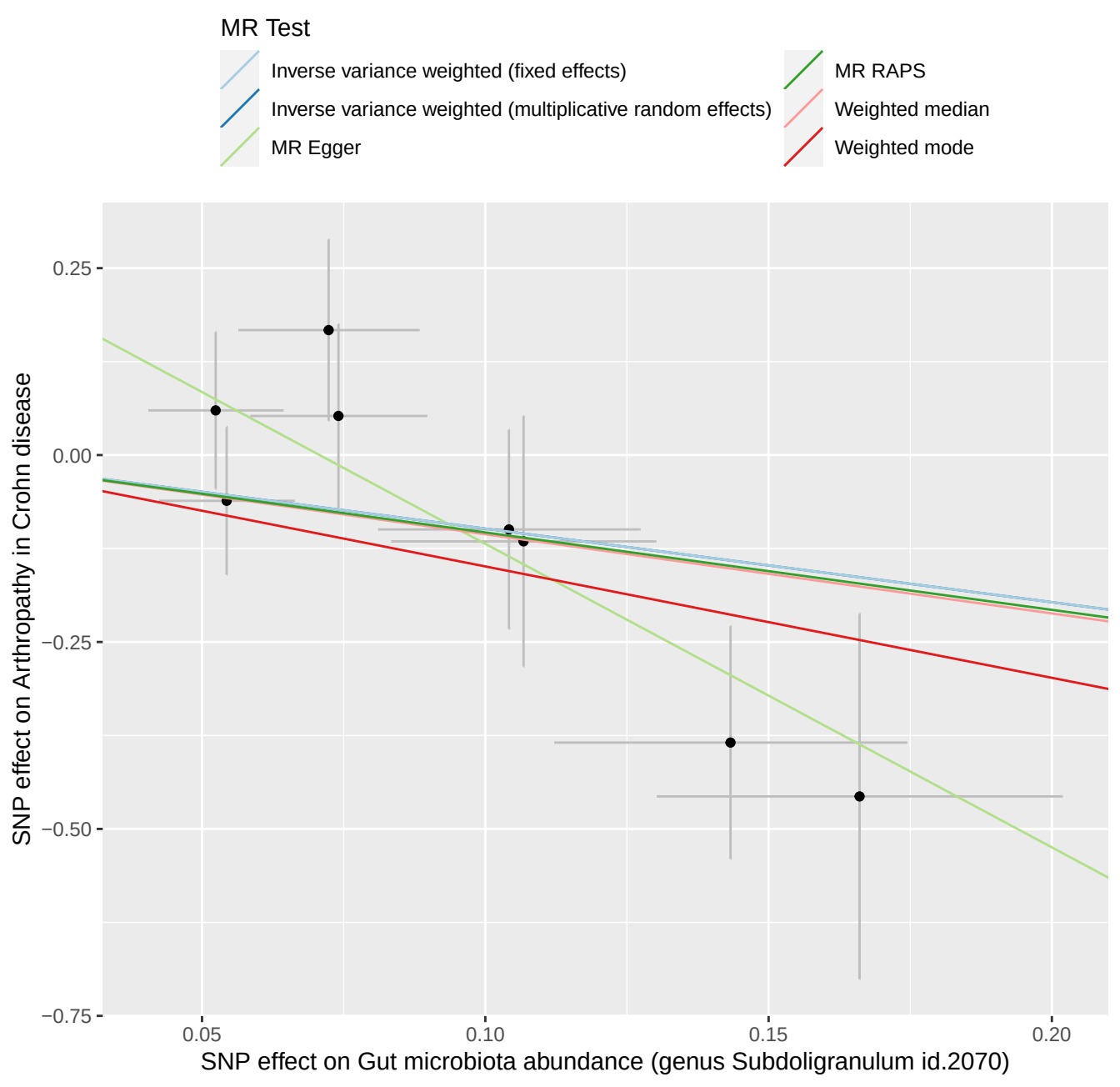
Batch 593 : Gut microbiota abundance (genus Slackia id.825) on Arthropathy in Crohn disease

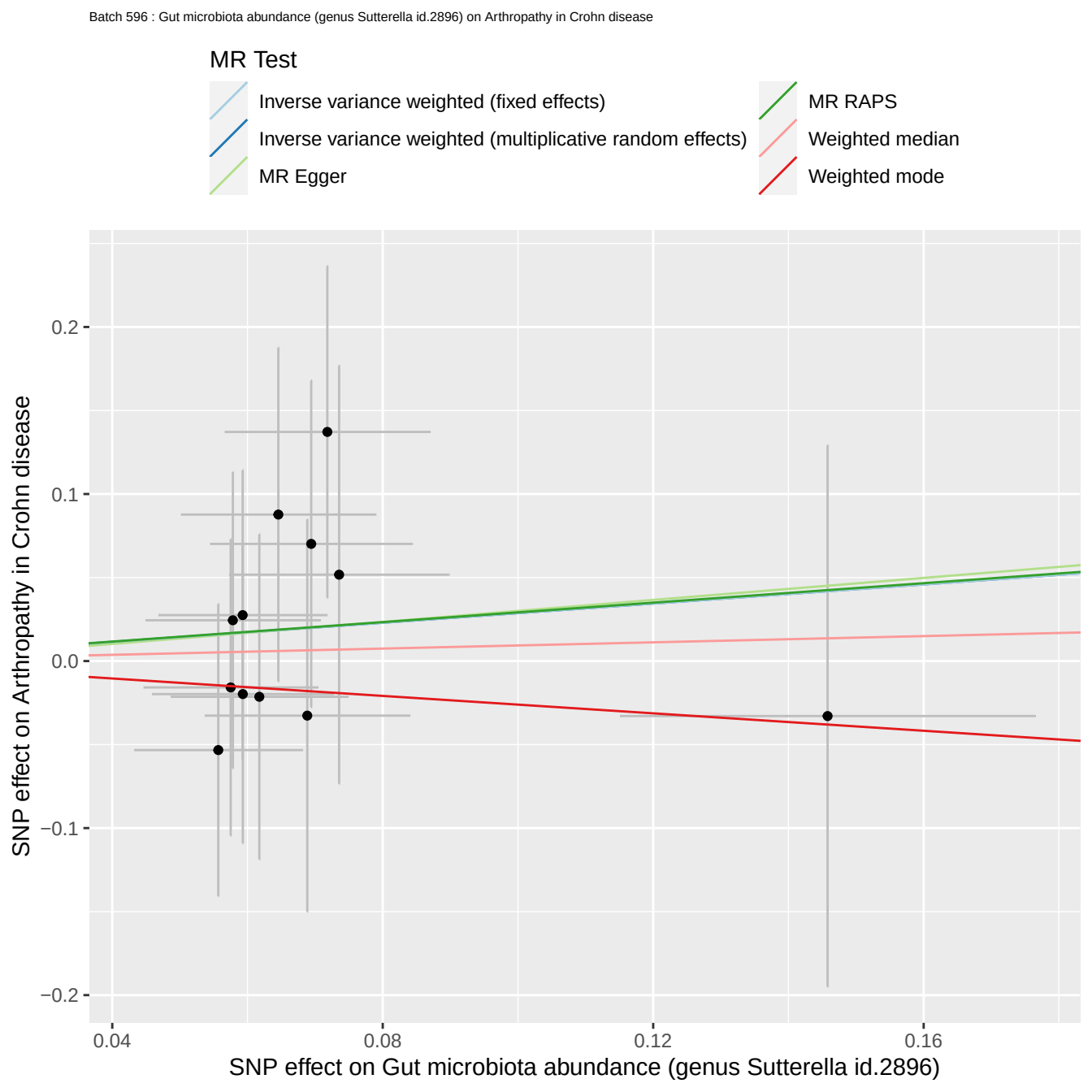


Batch 594 : Gut microbiota abundance (genus Streptococcus id.1853) on Arthropathy in Crohn disease

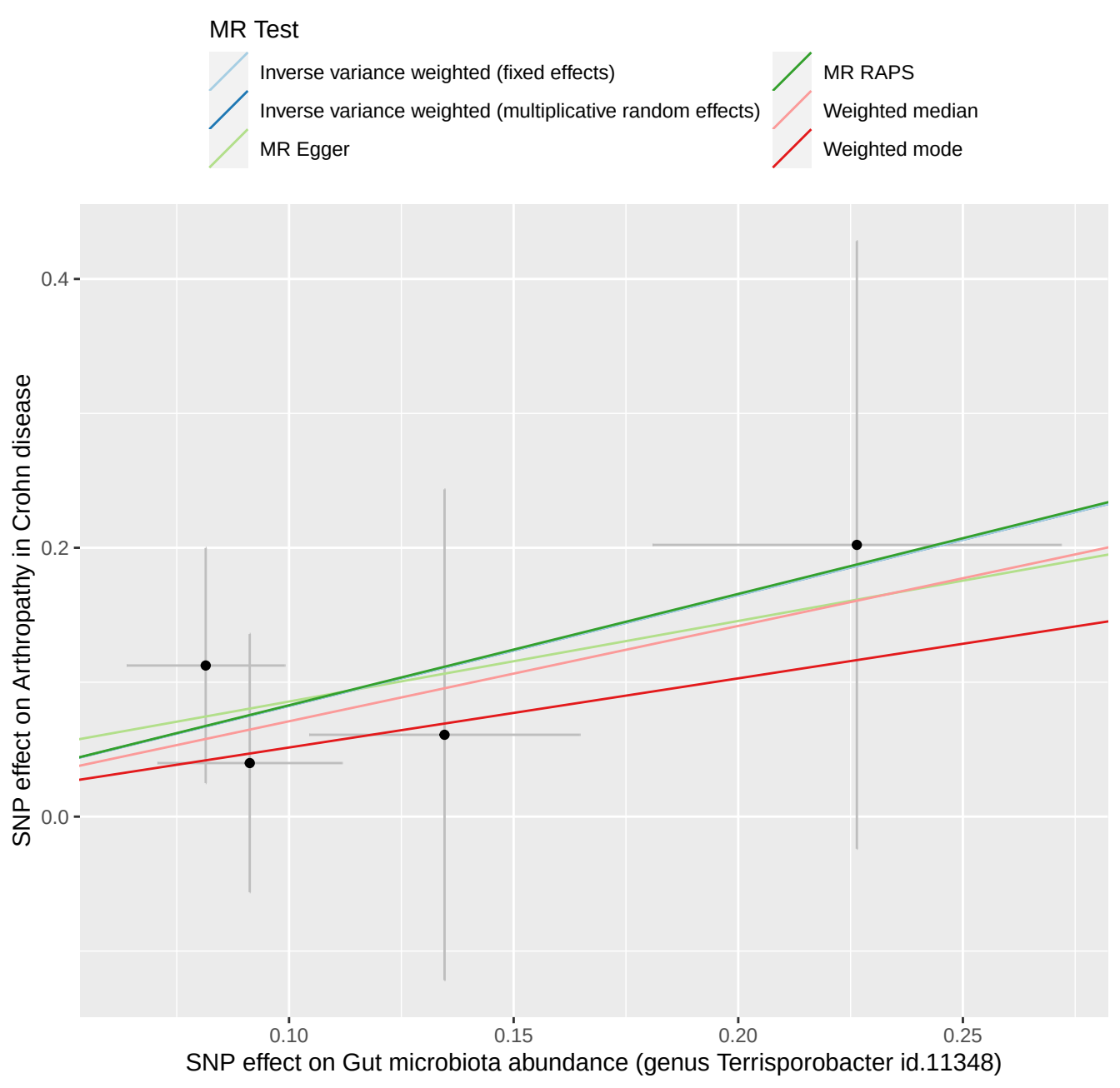


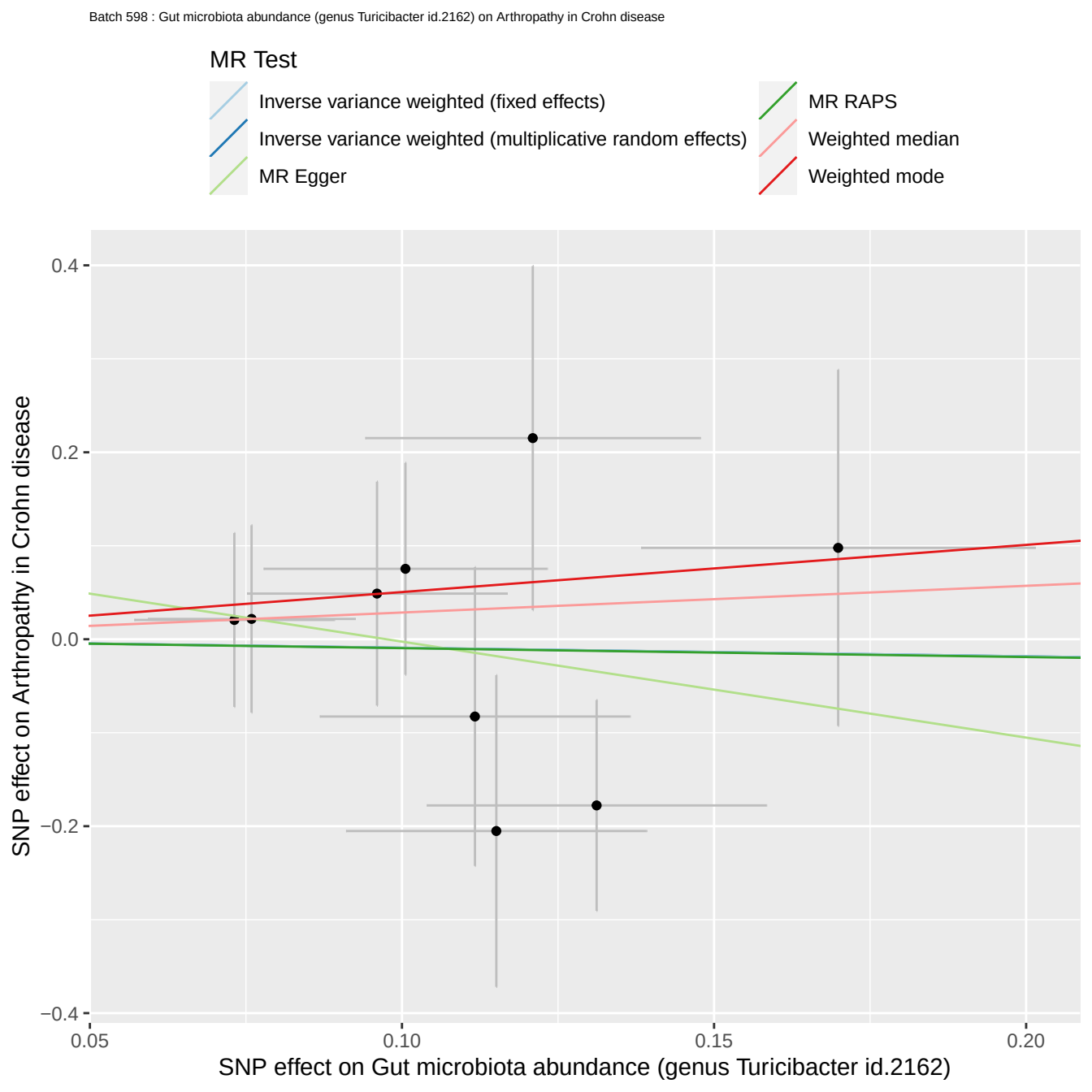
Batch 595 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Arthropathy in Crohn disease

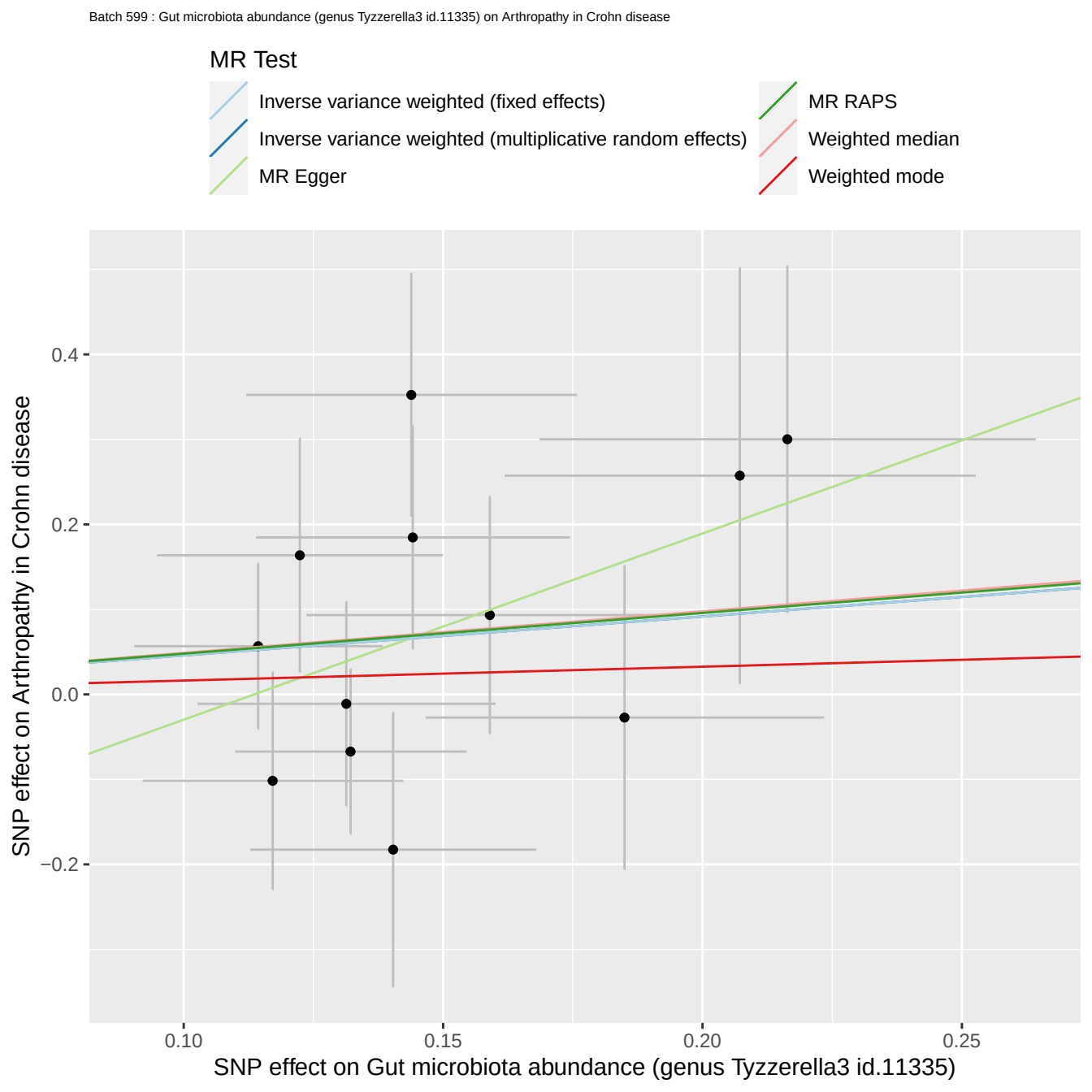



Batch 596 : Gut microbiota abundance (genus Sutterella id.2896) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

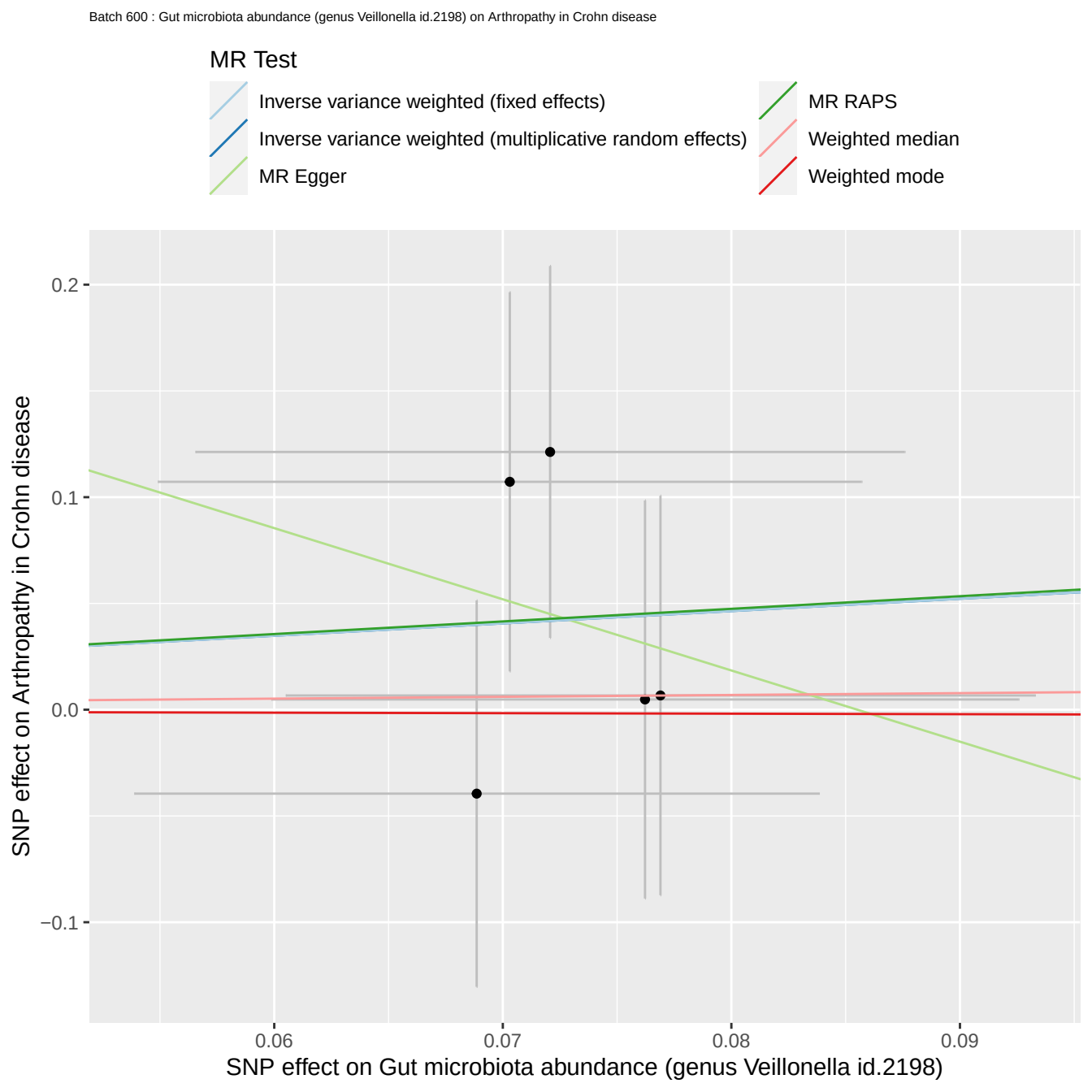
Batch 597 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Arthropathy in Crohn disease

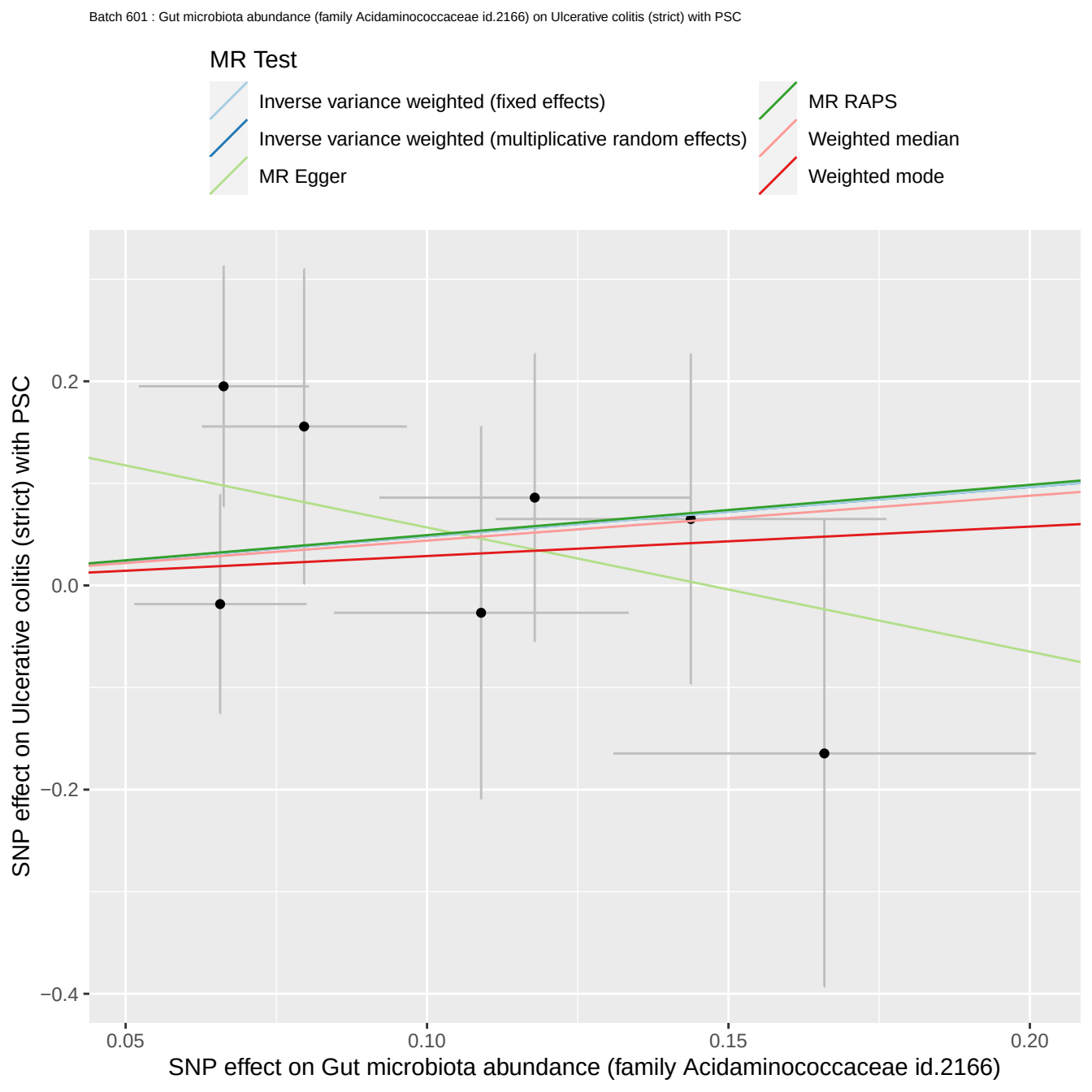


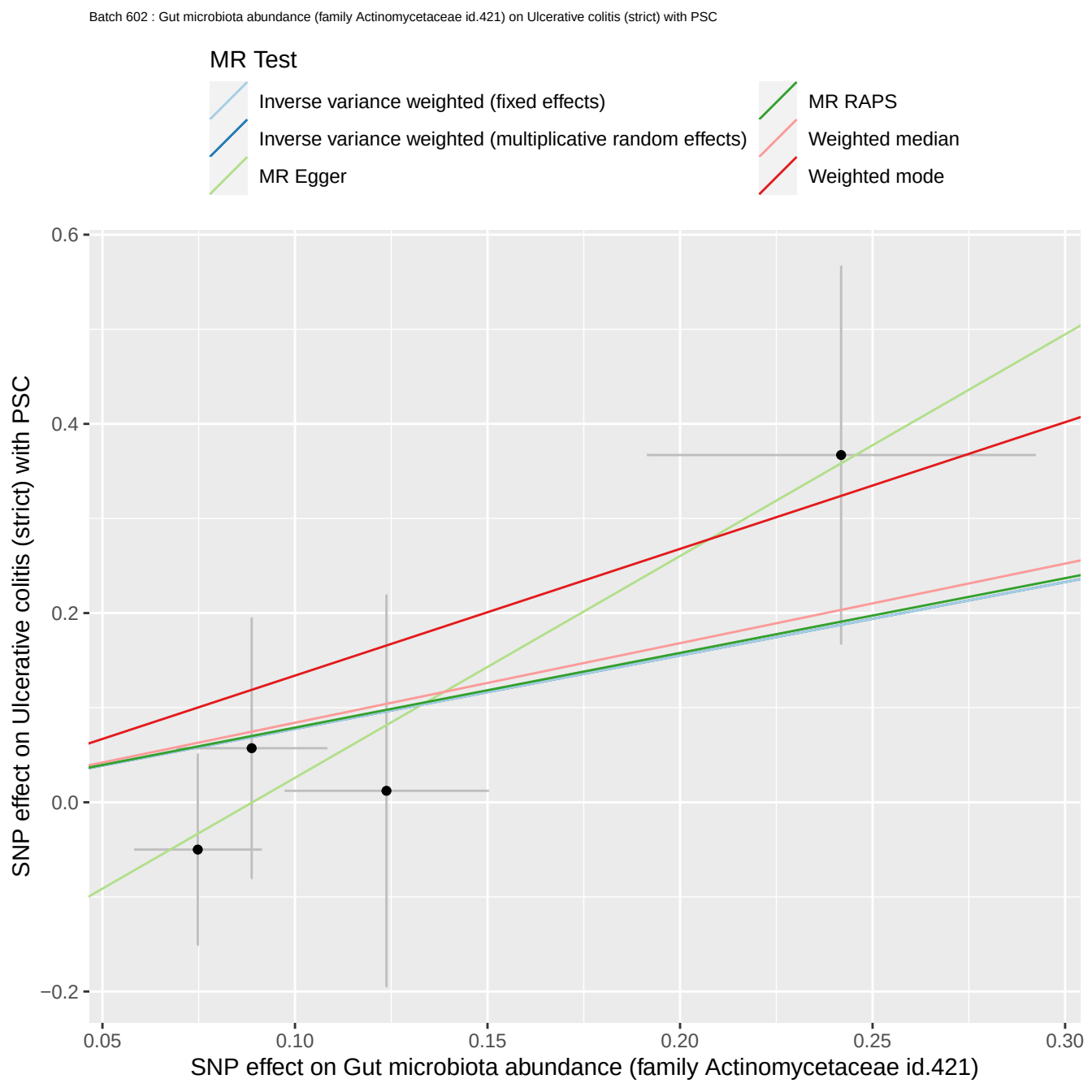

Batch 598 : Gut microbiota abundance (genus Turicibacter id.2162) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

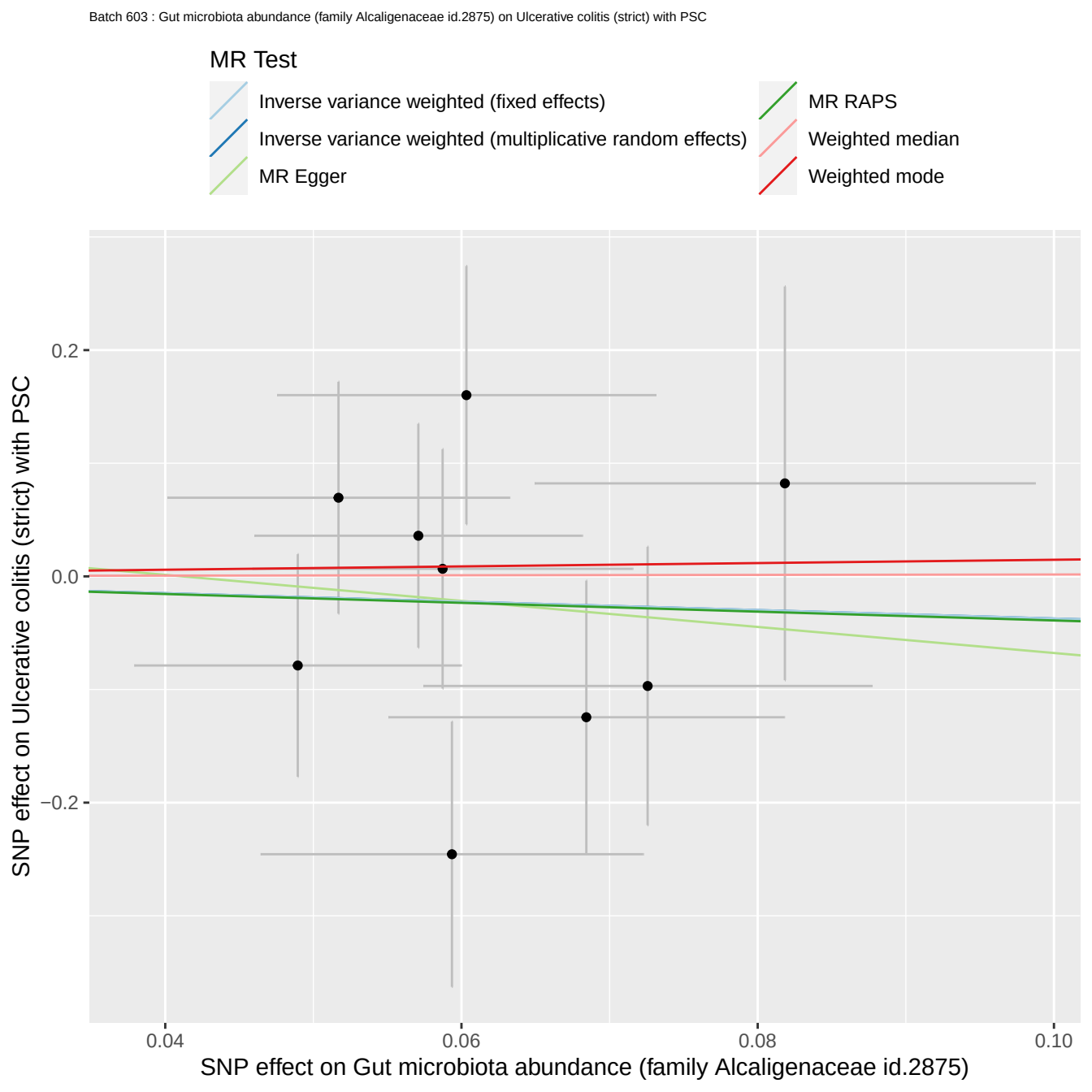

Batch 599 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Arthropathy in Crohn disease
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in Crohn disease
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

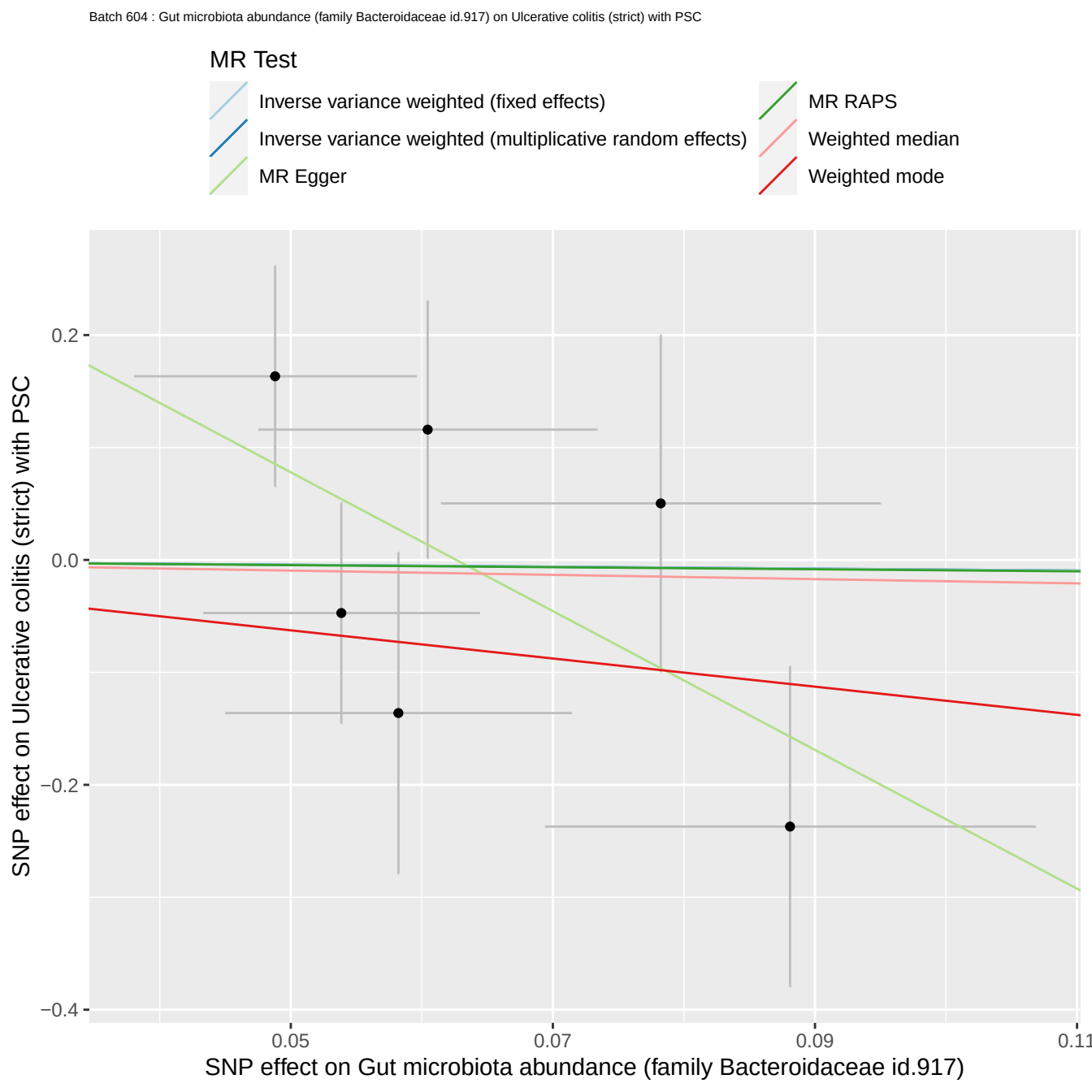
Batch 600 : Gut microbiota abundance (genus Veillonella id.2198) on Arthropathy in Crohn disease

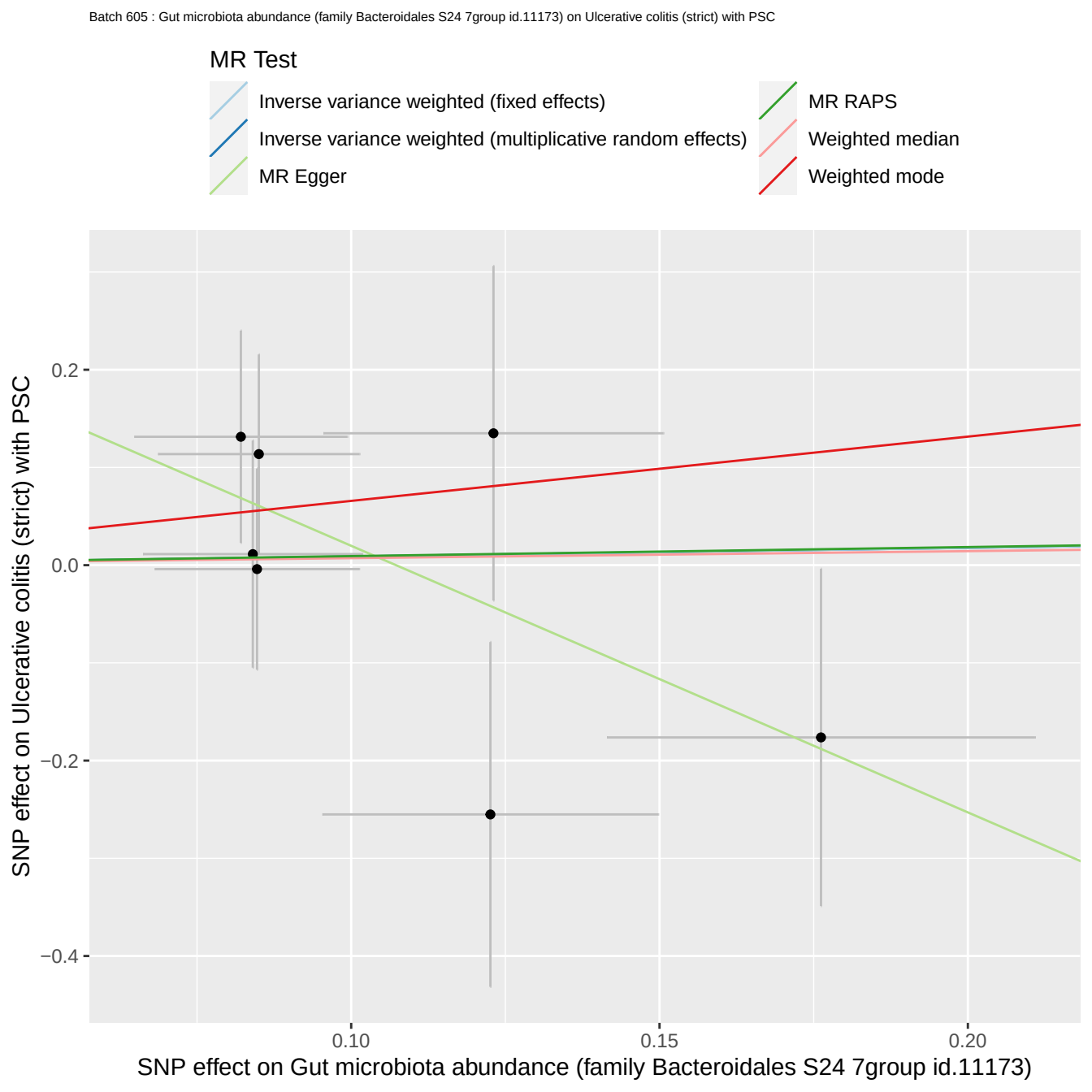


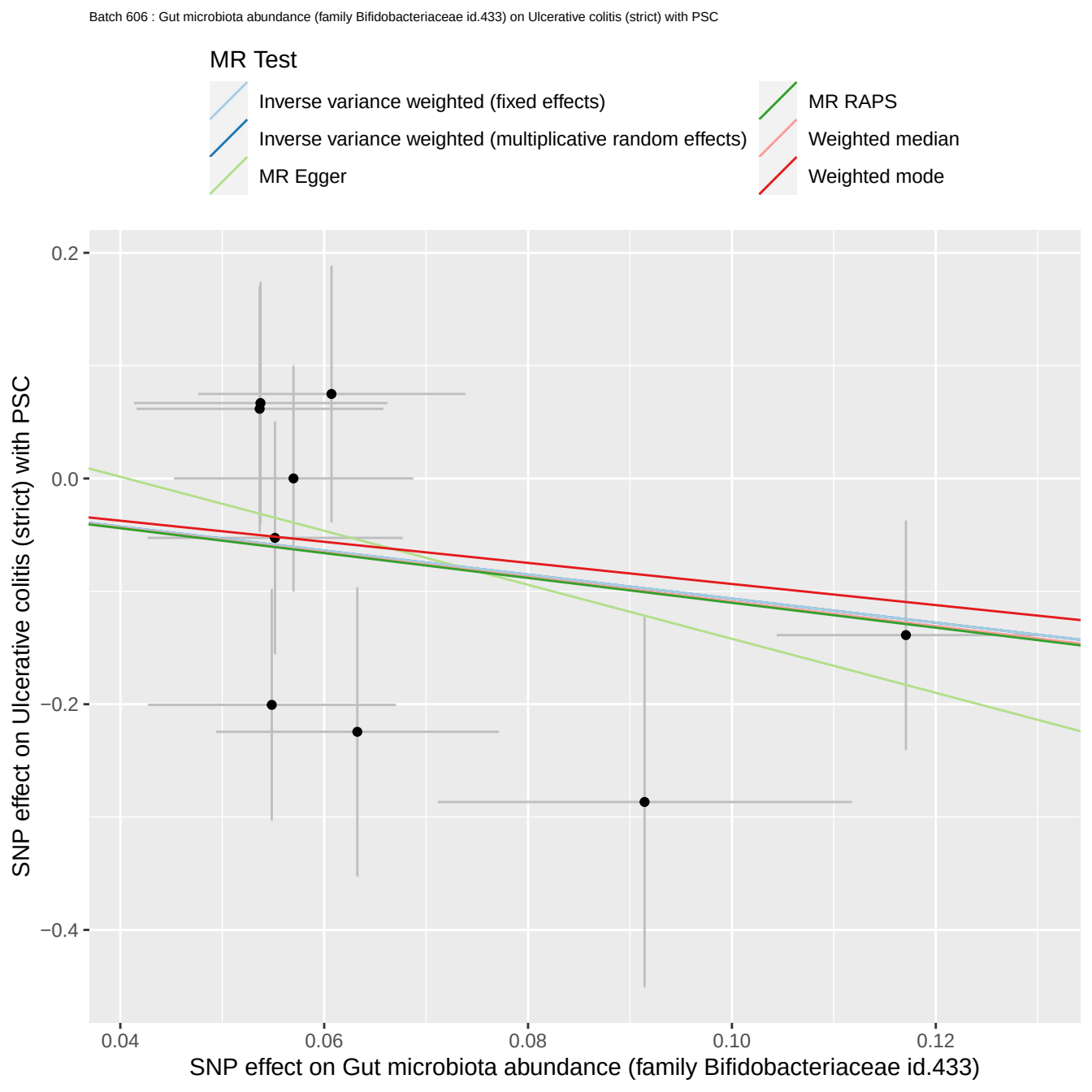

Batch 601 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

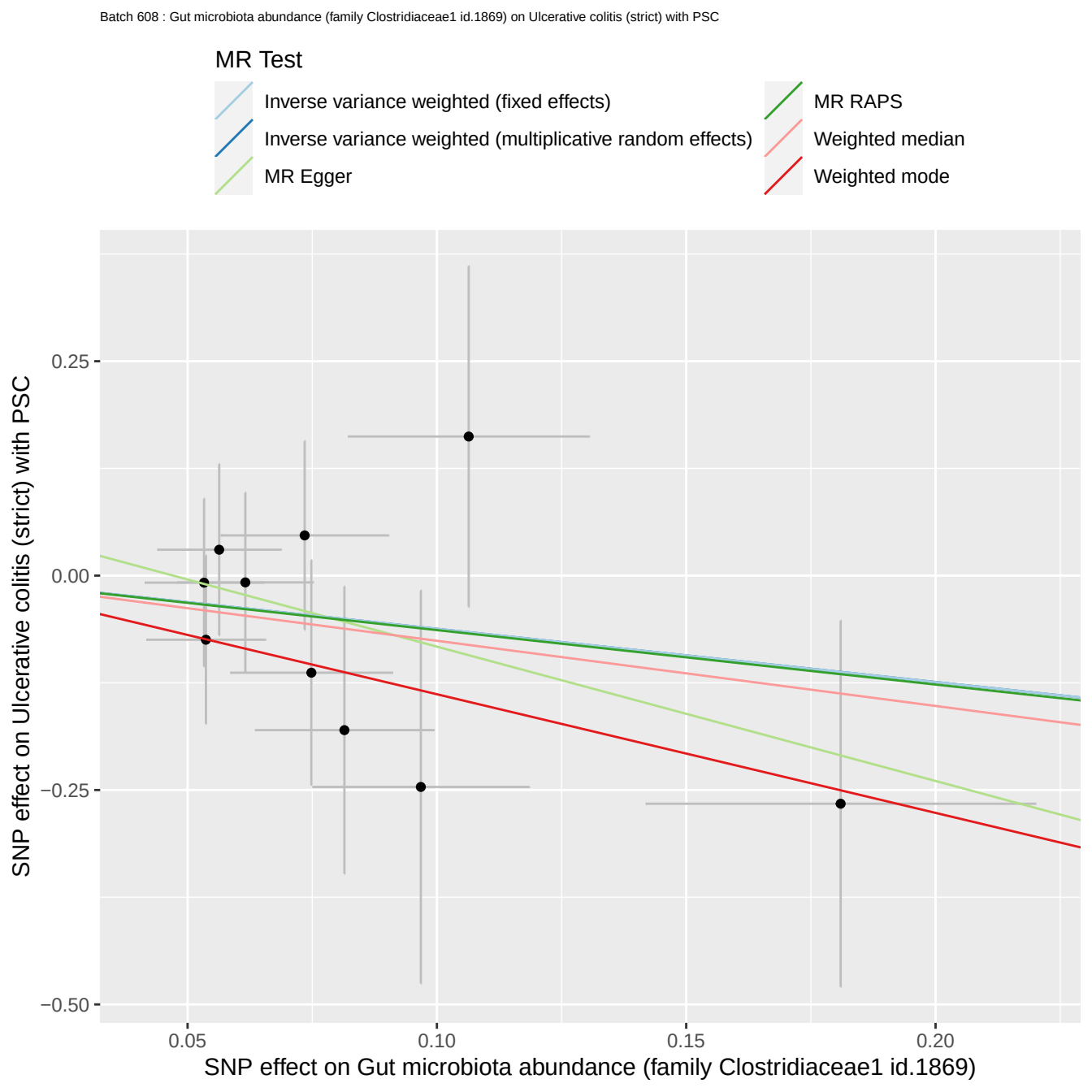

Batch 602 : Gut microbiota abundance (family Actinomycetaceae id.421) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

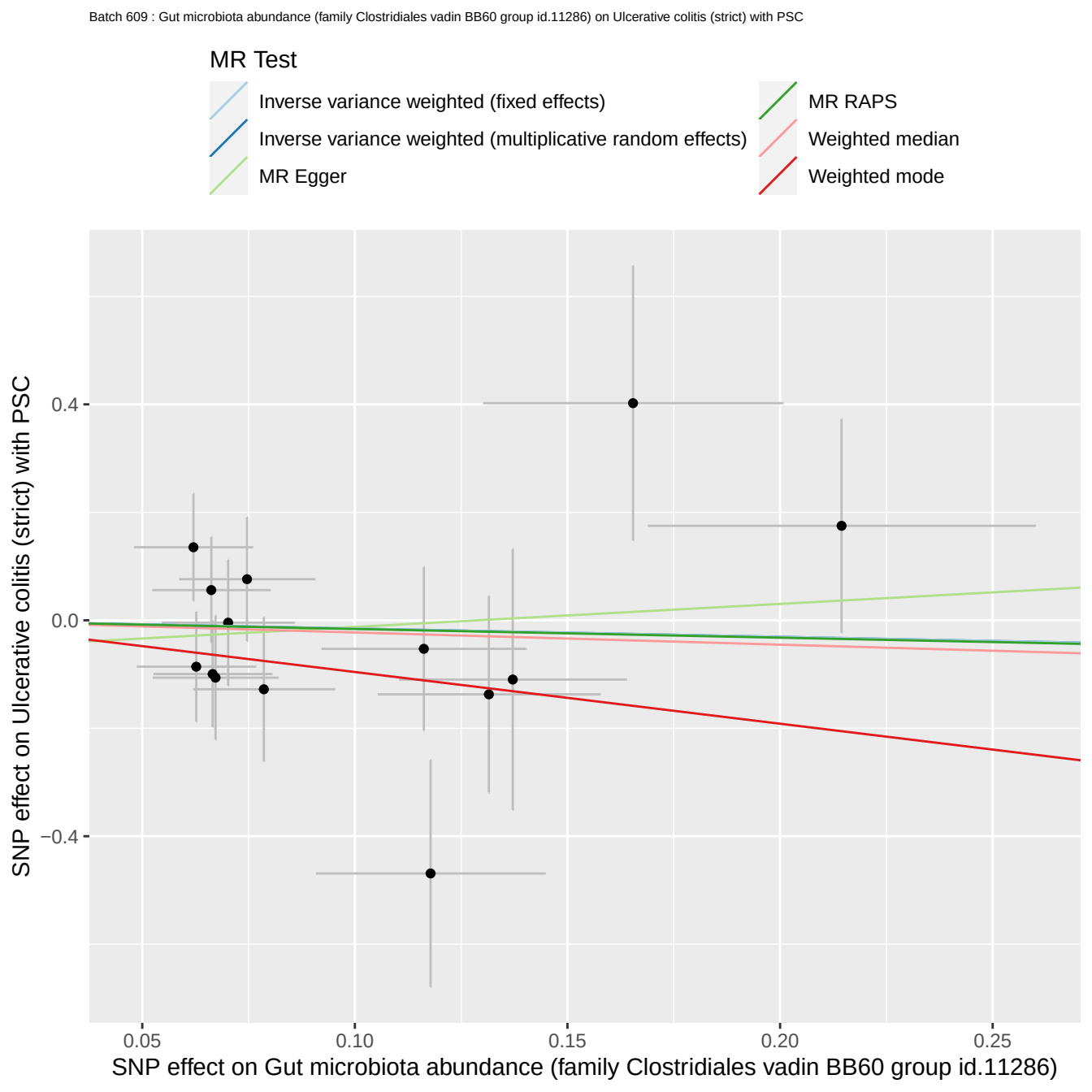

Batch 603 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)


Batch 604 : Gut microbiota abundance (family Bacteroidaceae id.917) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

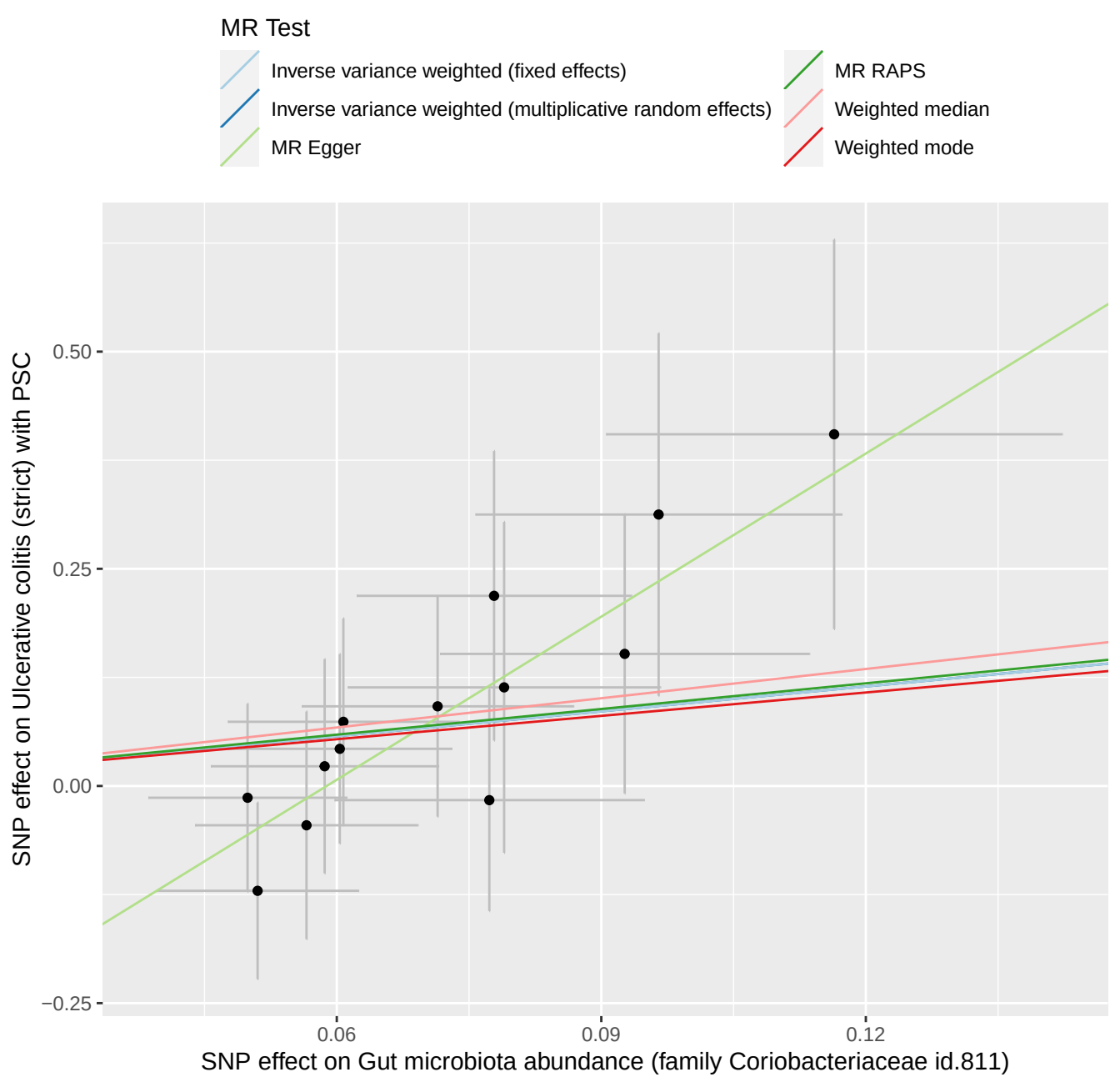

Batch 605 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

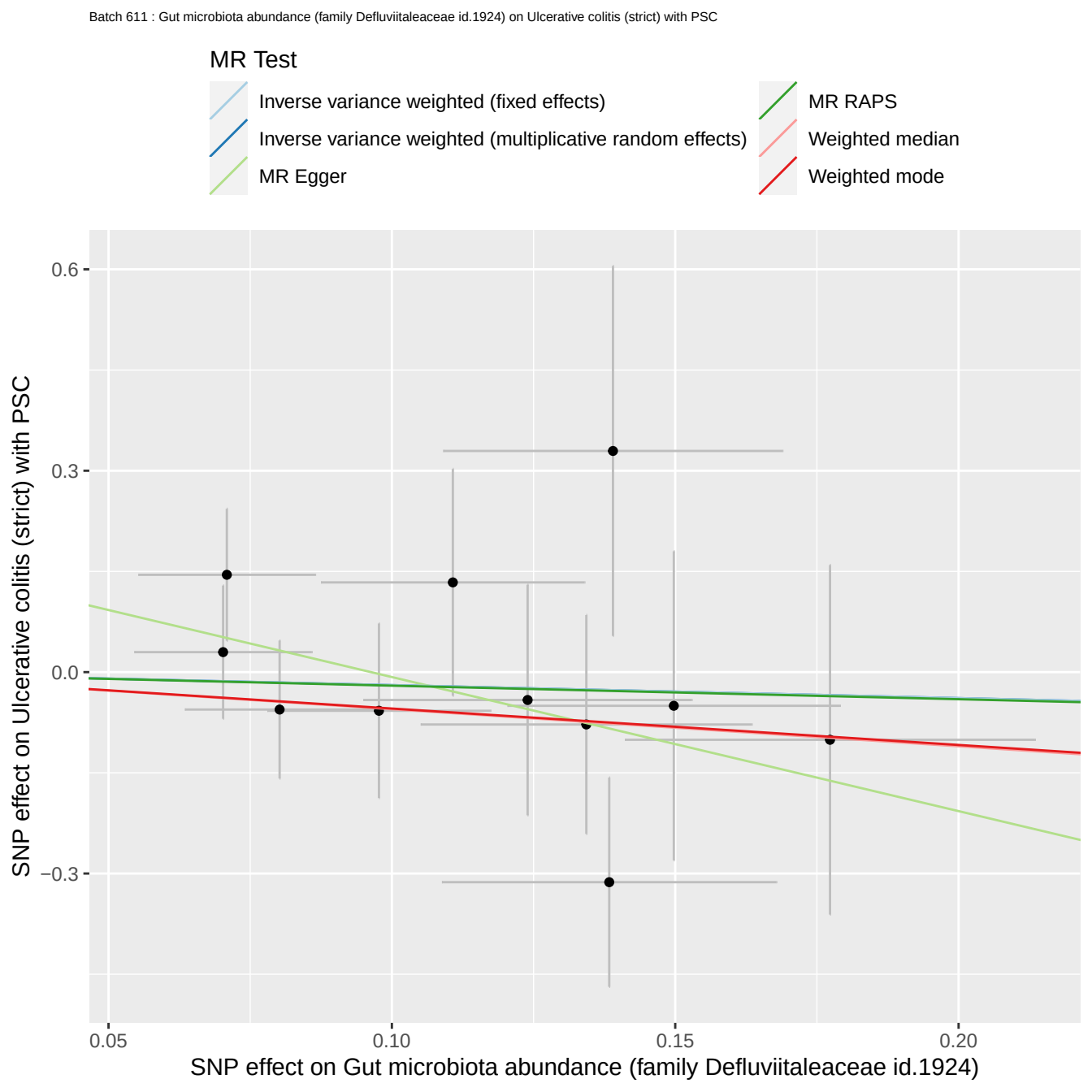

Batch 606 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

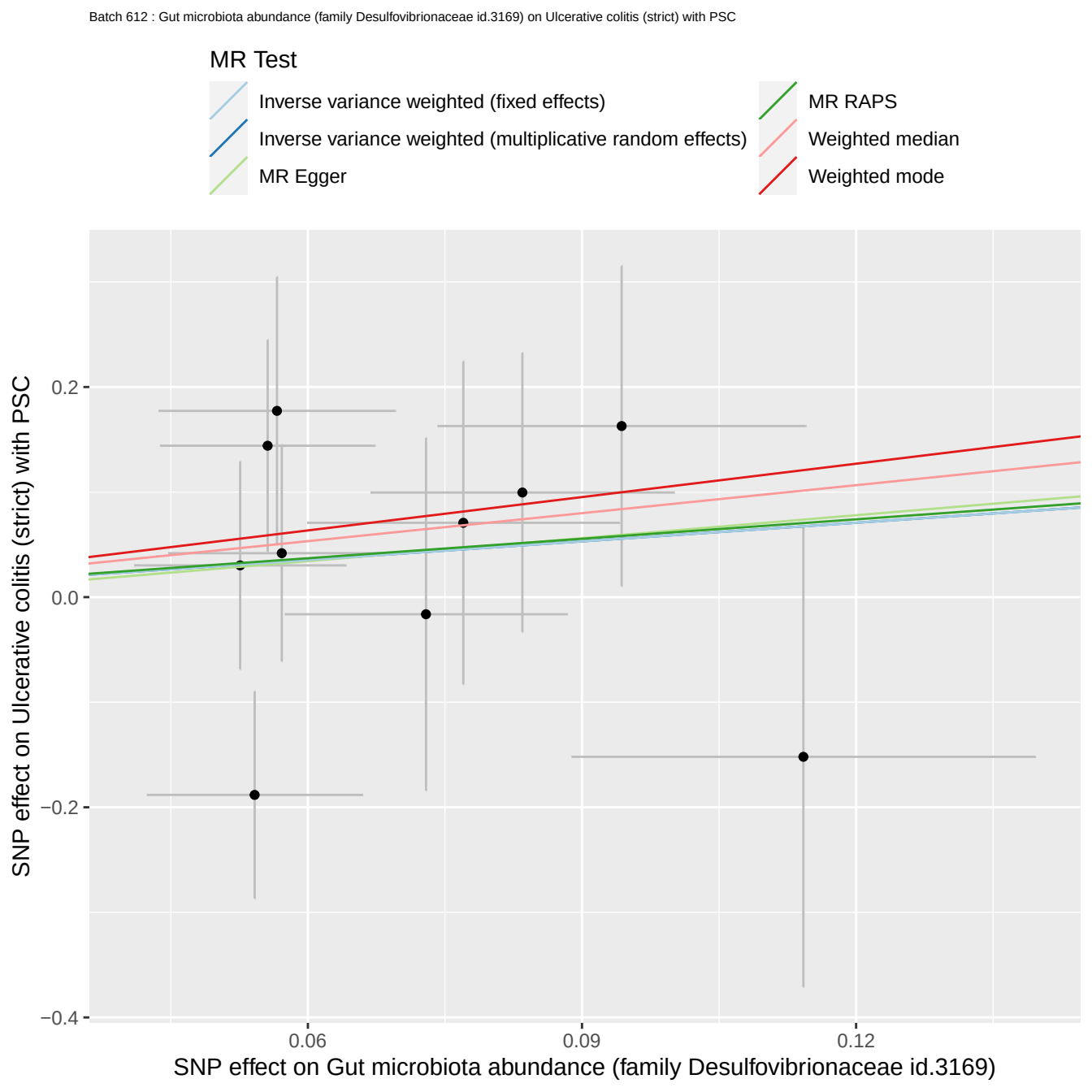

Batch 608 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)


Batch 609 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

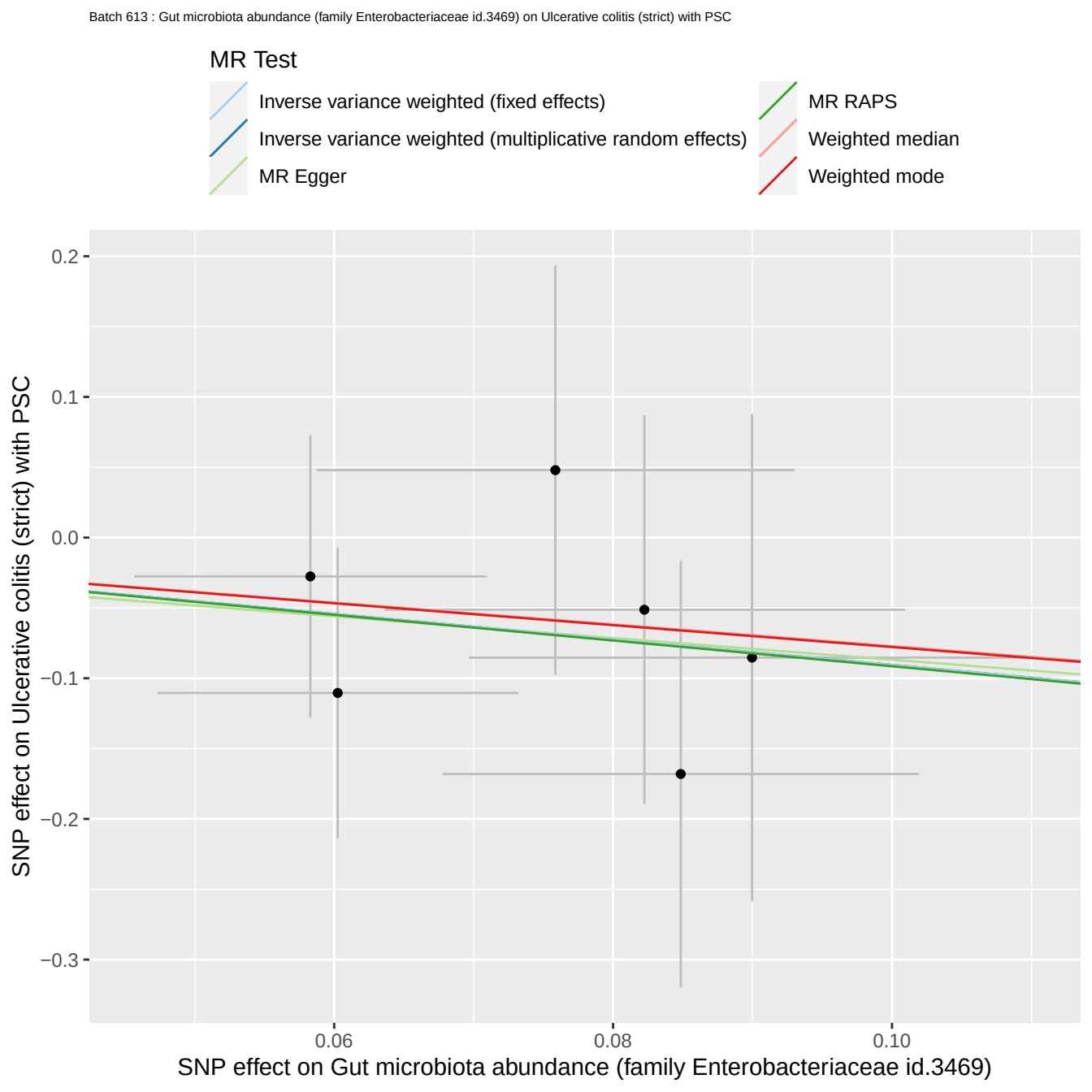
Batch 610 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Ulcerative colitis (strict) with PSC



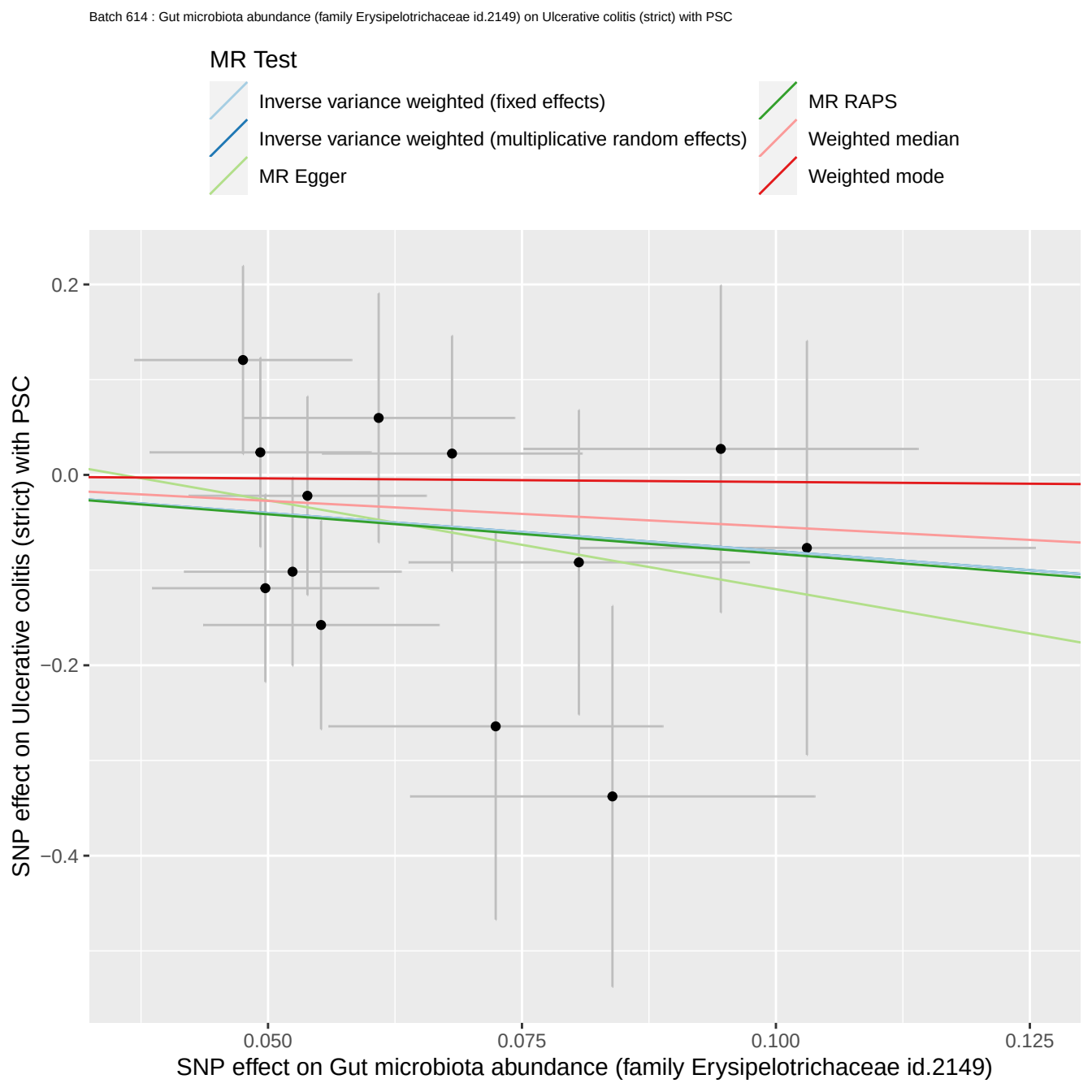

Batch 611 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.3
0.0
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

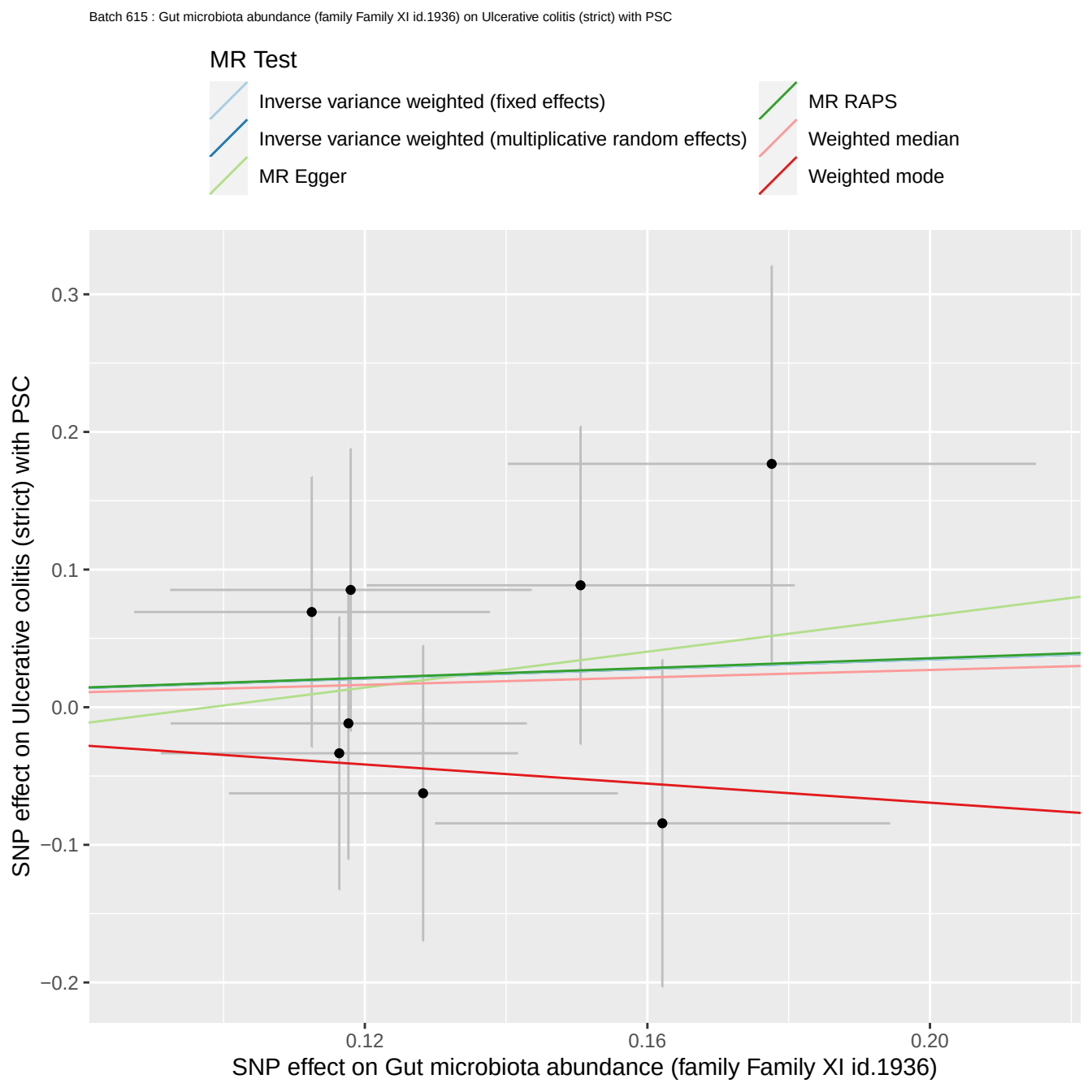

Batch 612 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

Batch 613 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Ulcerative colitis (strict) with PSC

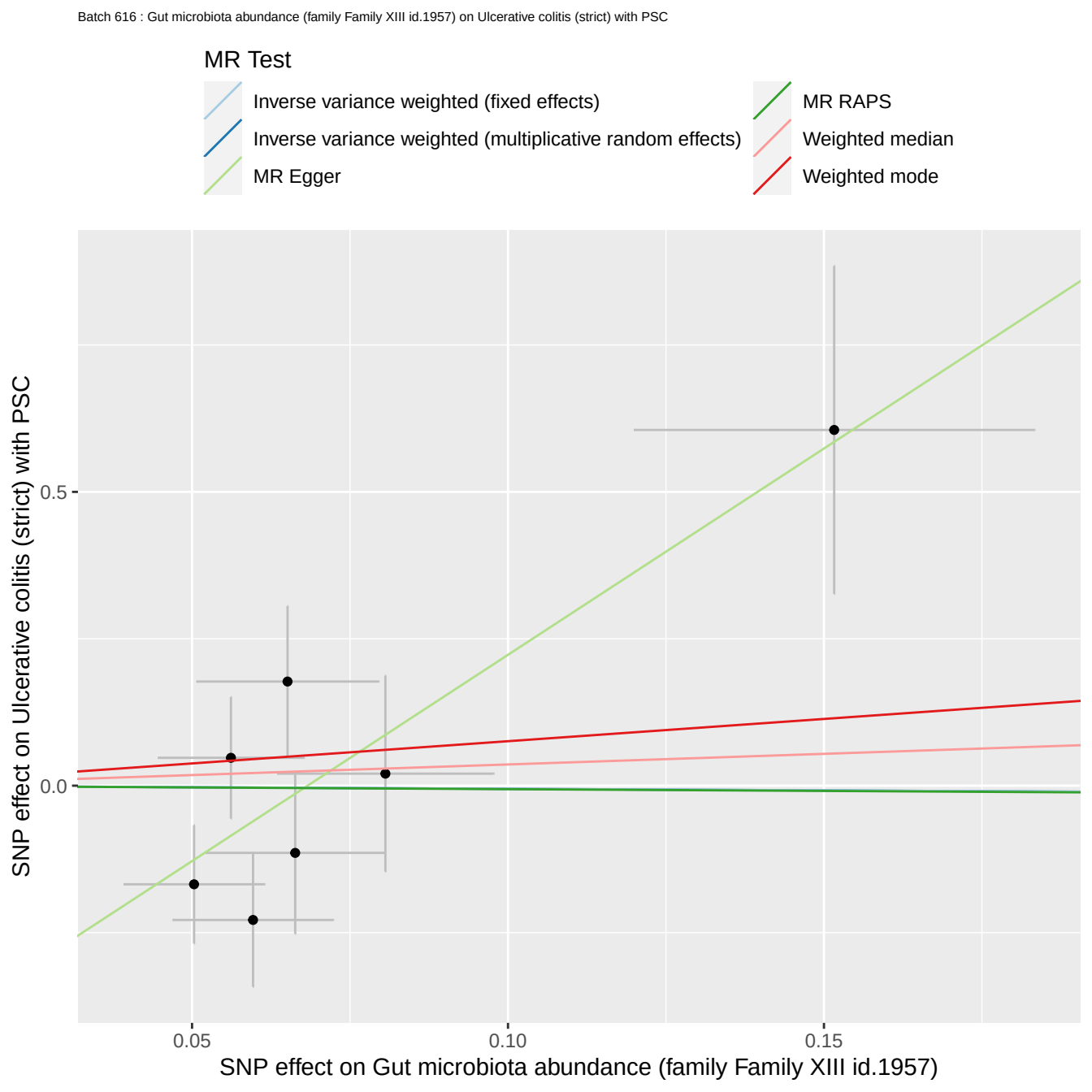


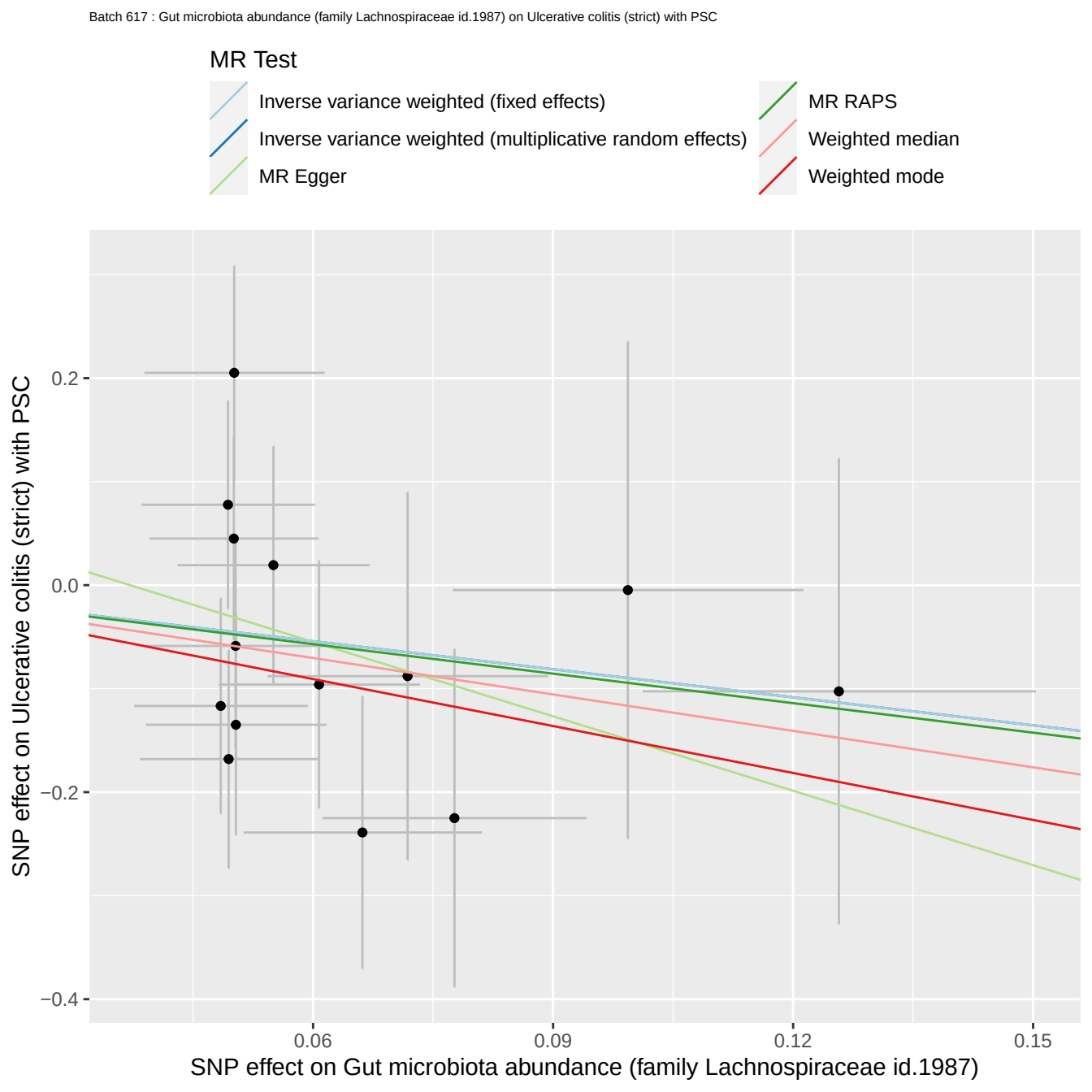
Batch 614 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Ulcerative colitis (strict) with PSC

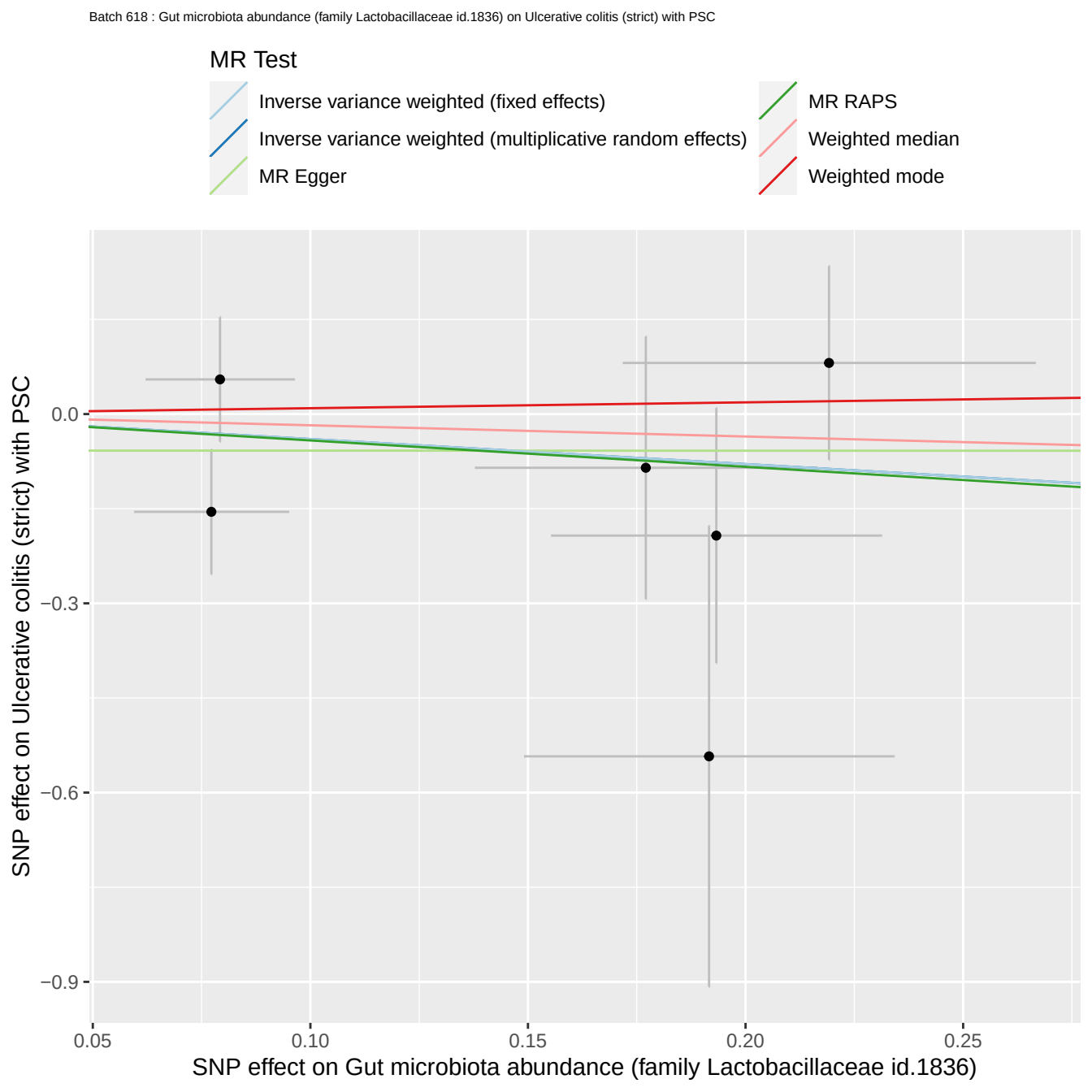



Batch 615 : Gut microbiota abundance (family Family XI id.1936) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.2
0.1
0.0
−0.1
−0.2
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

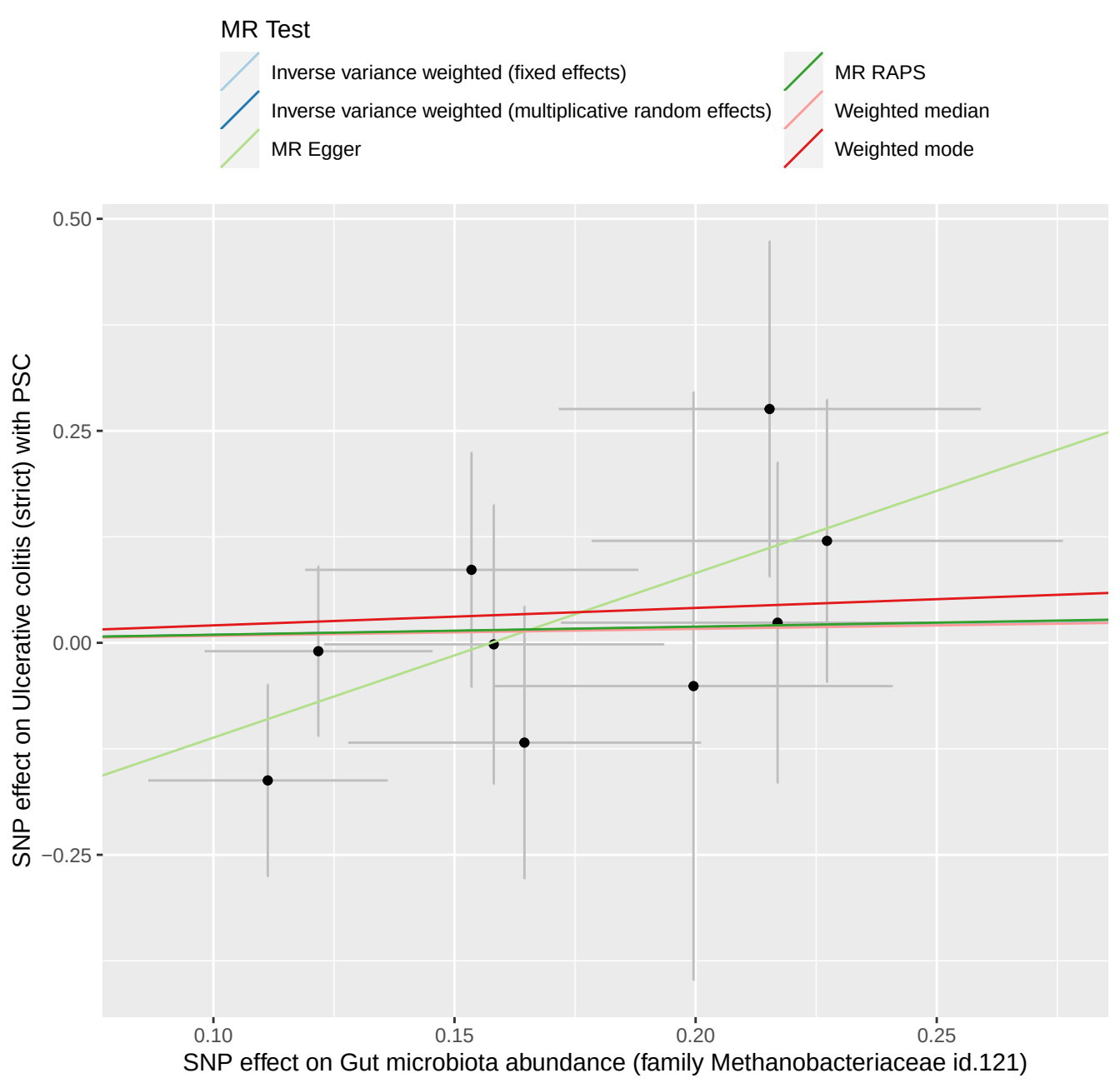
Batch 616 : Gut microbiota abundance (family Family XIII id.1957) on Ulcerative colitis (strict) with PSC

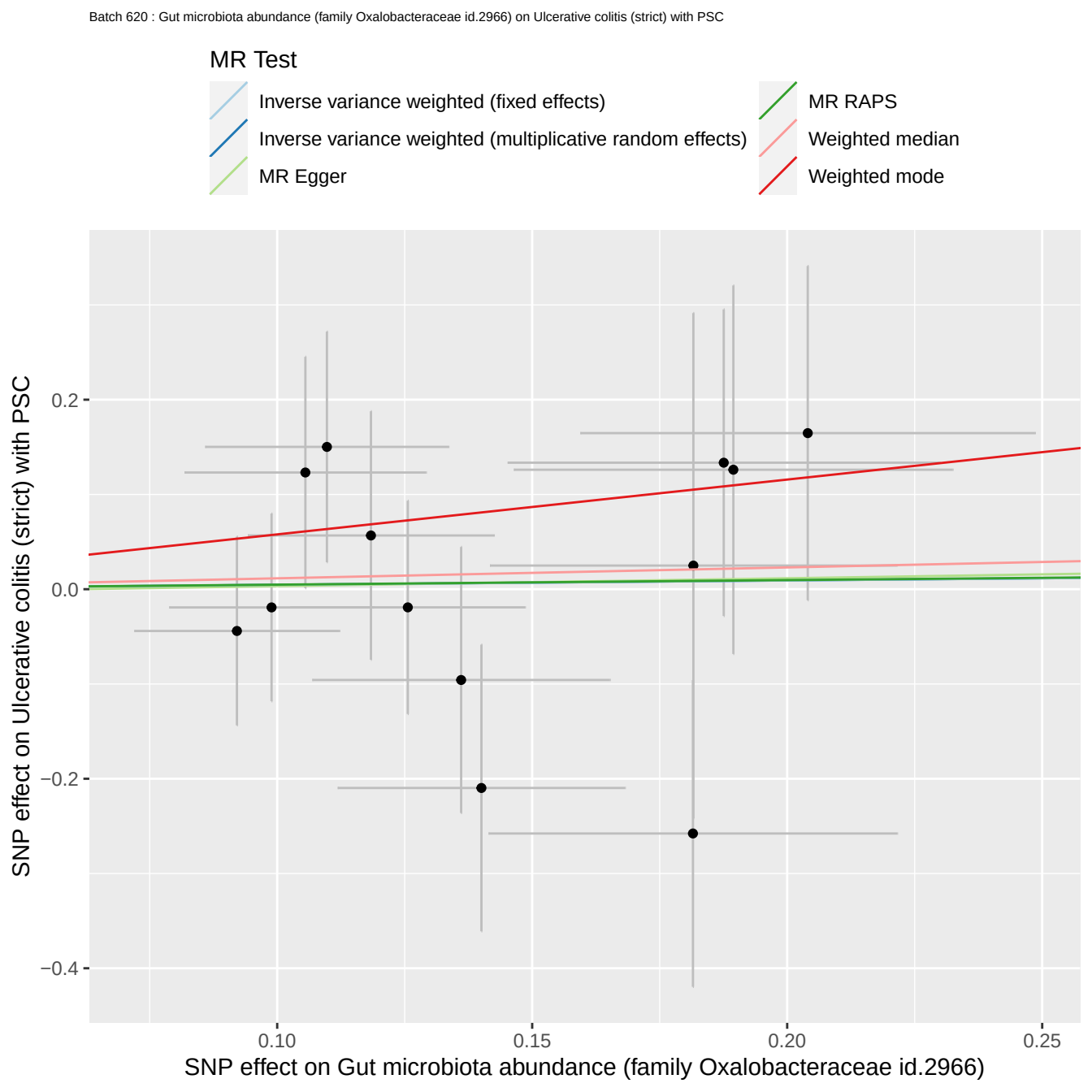


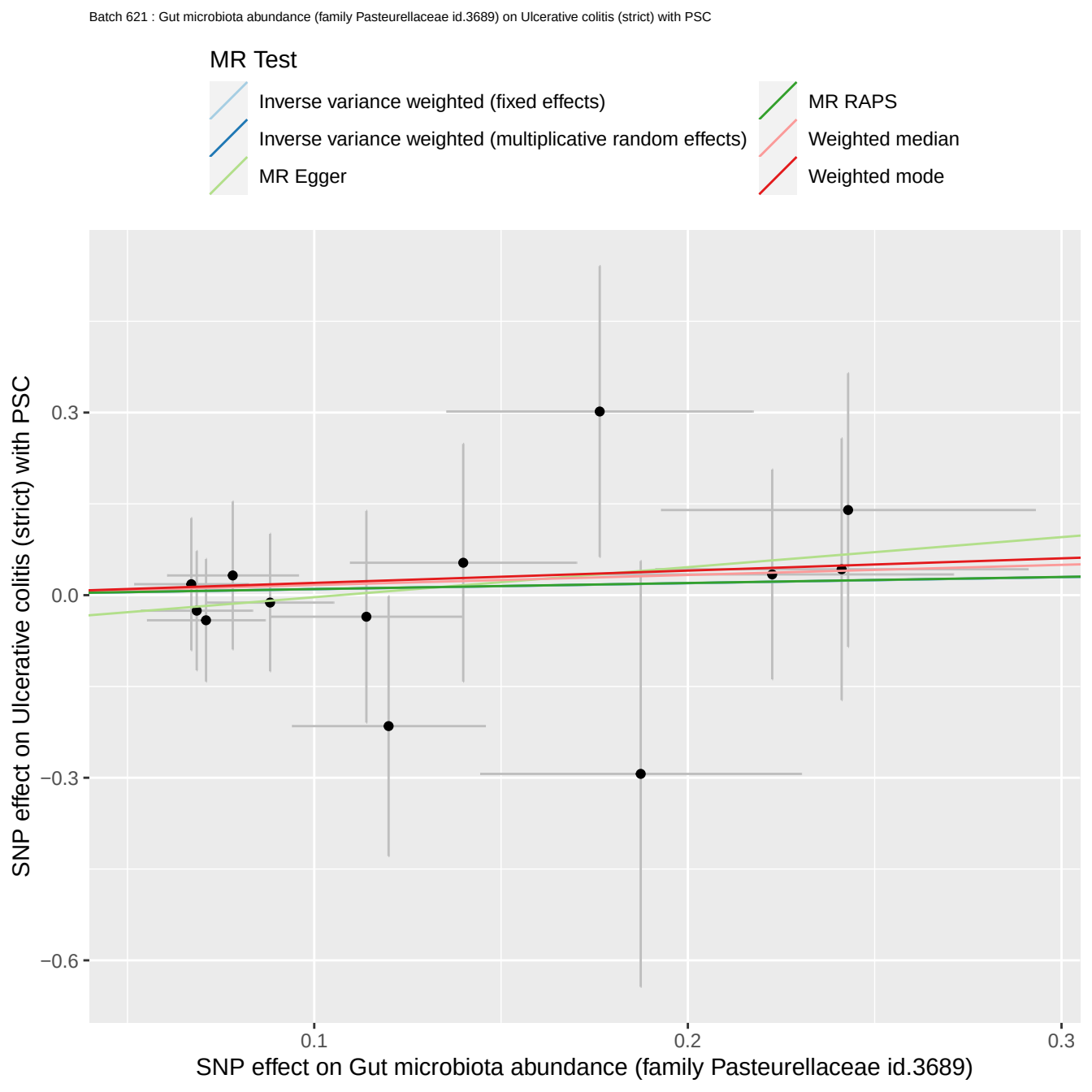

Batch 617 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)

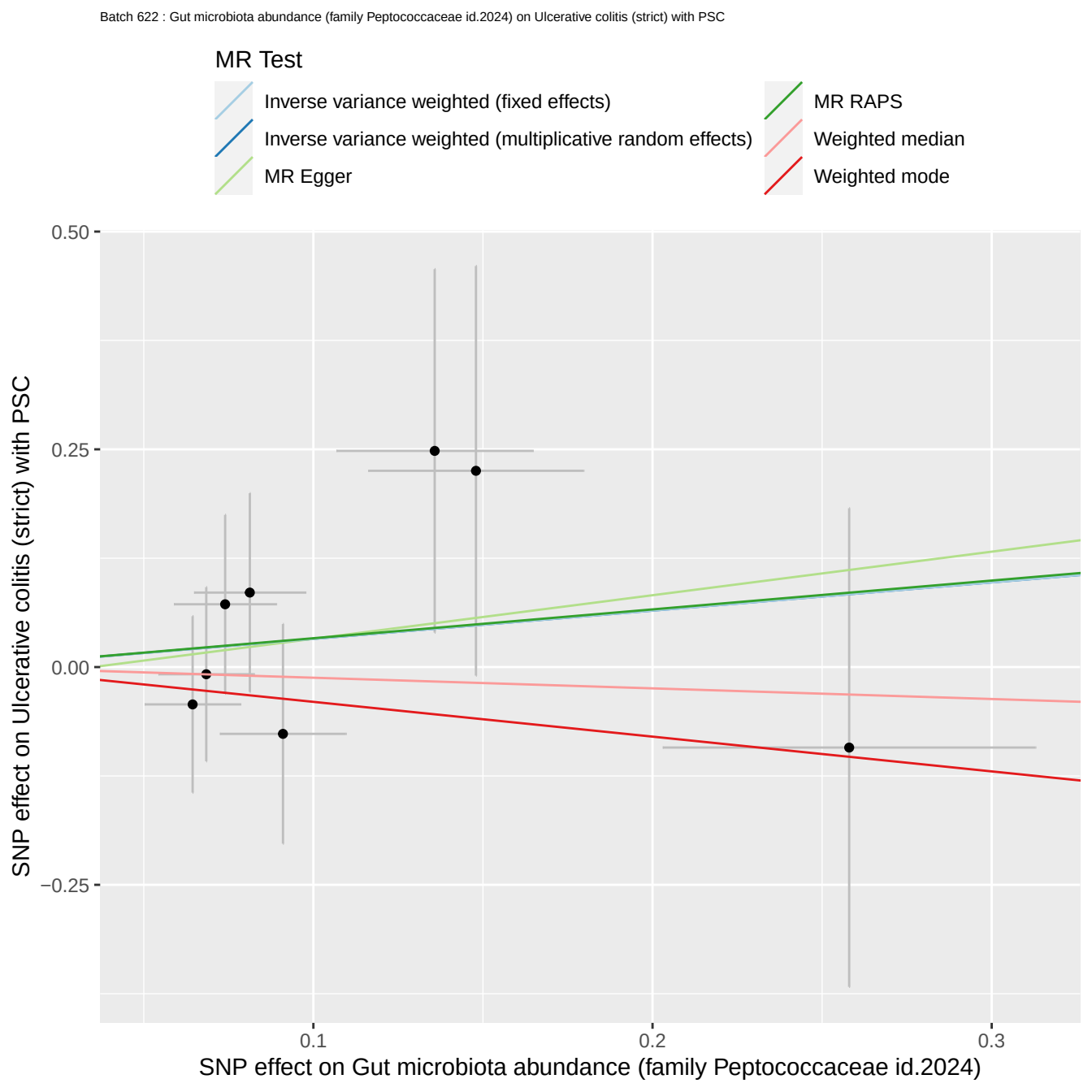

Batch 618 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.0
−0.3
−0.6
−0.9
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

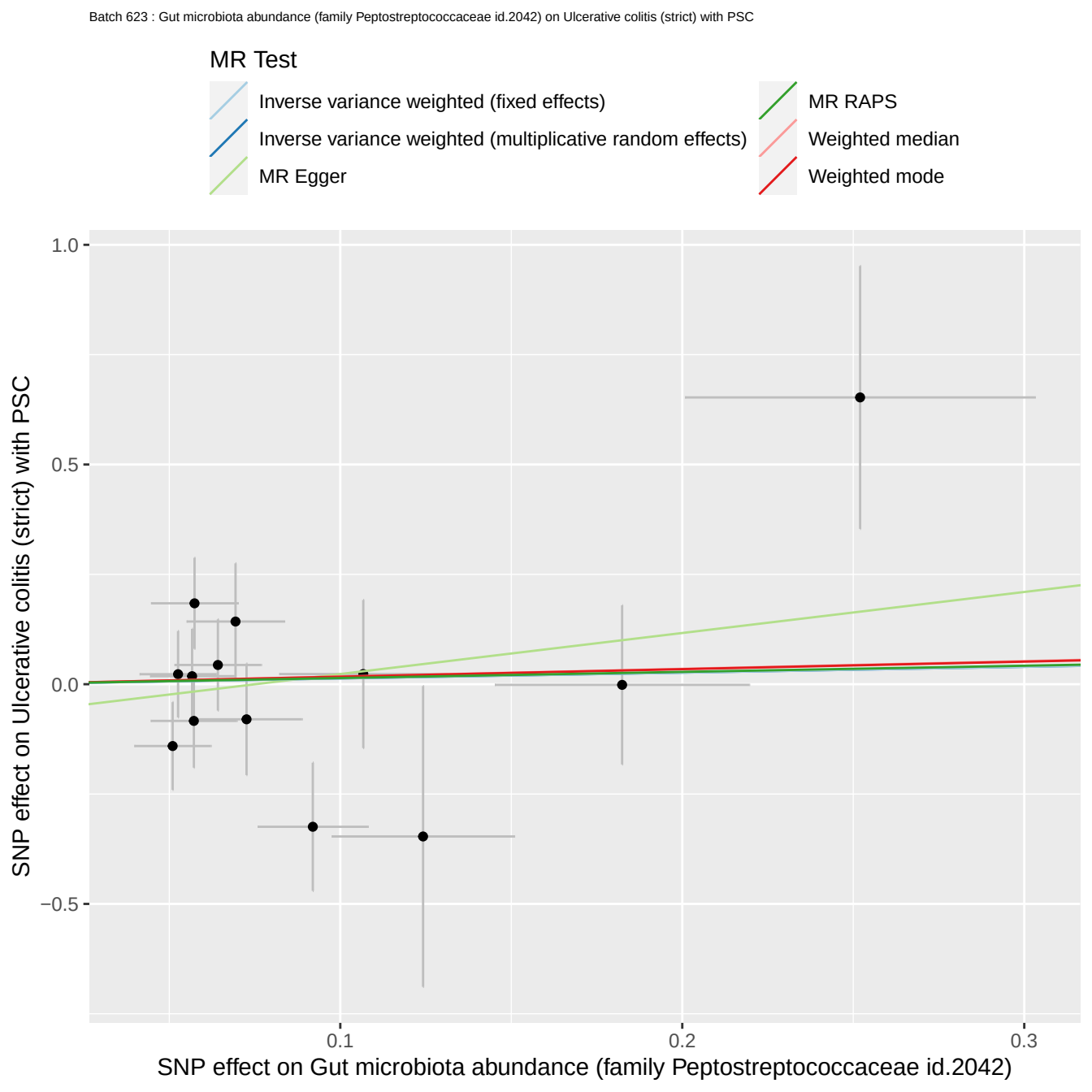
Batch 619 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Ulcerative colitis (strict) with PSC

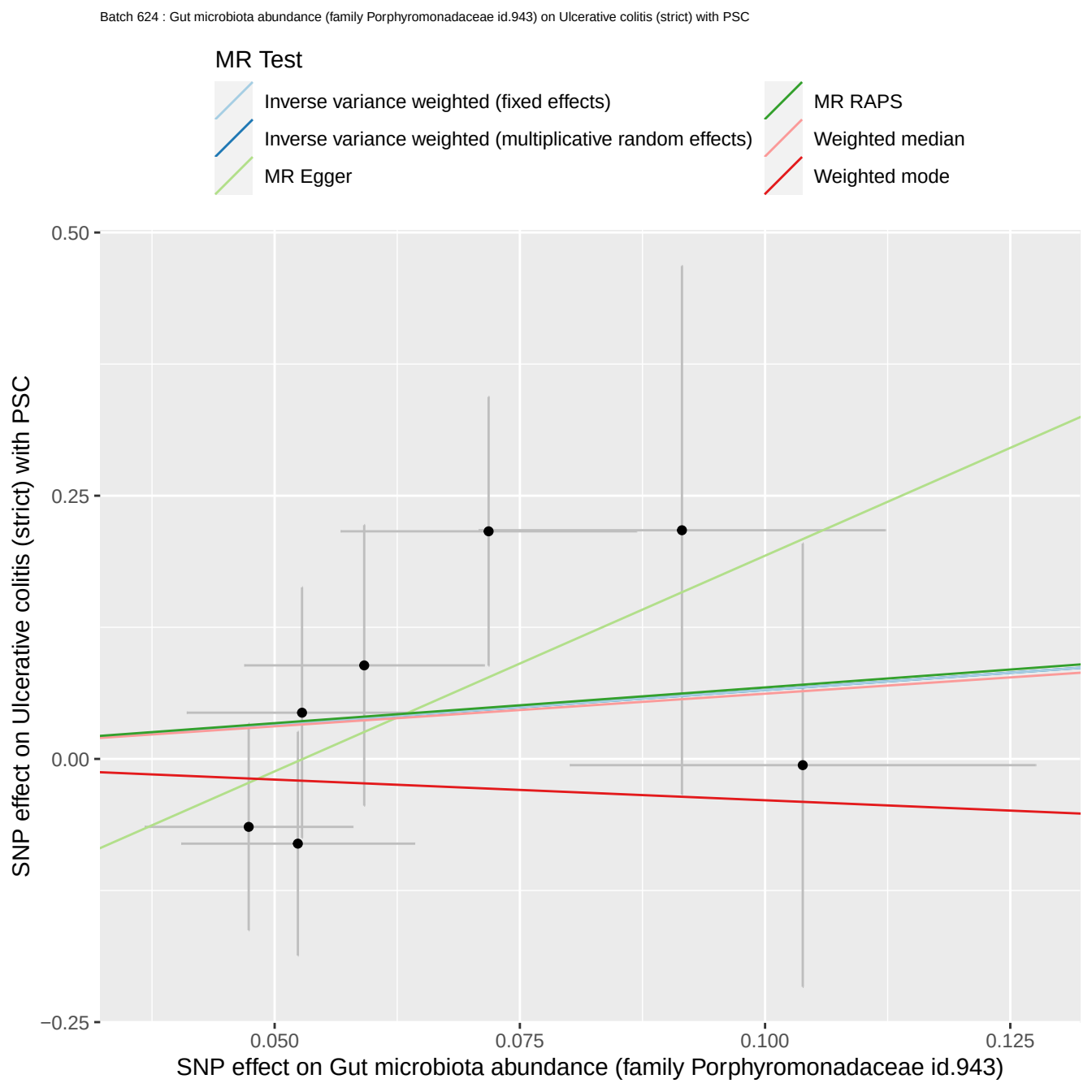


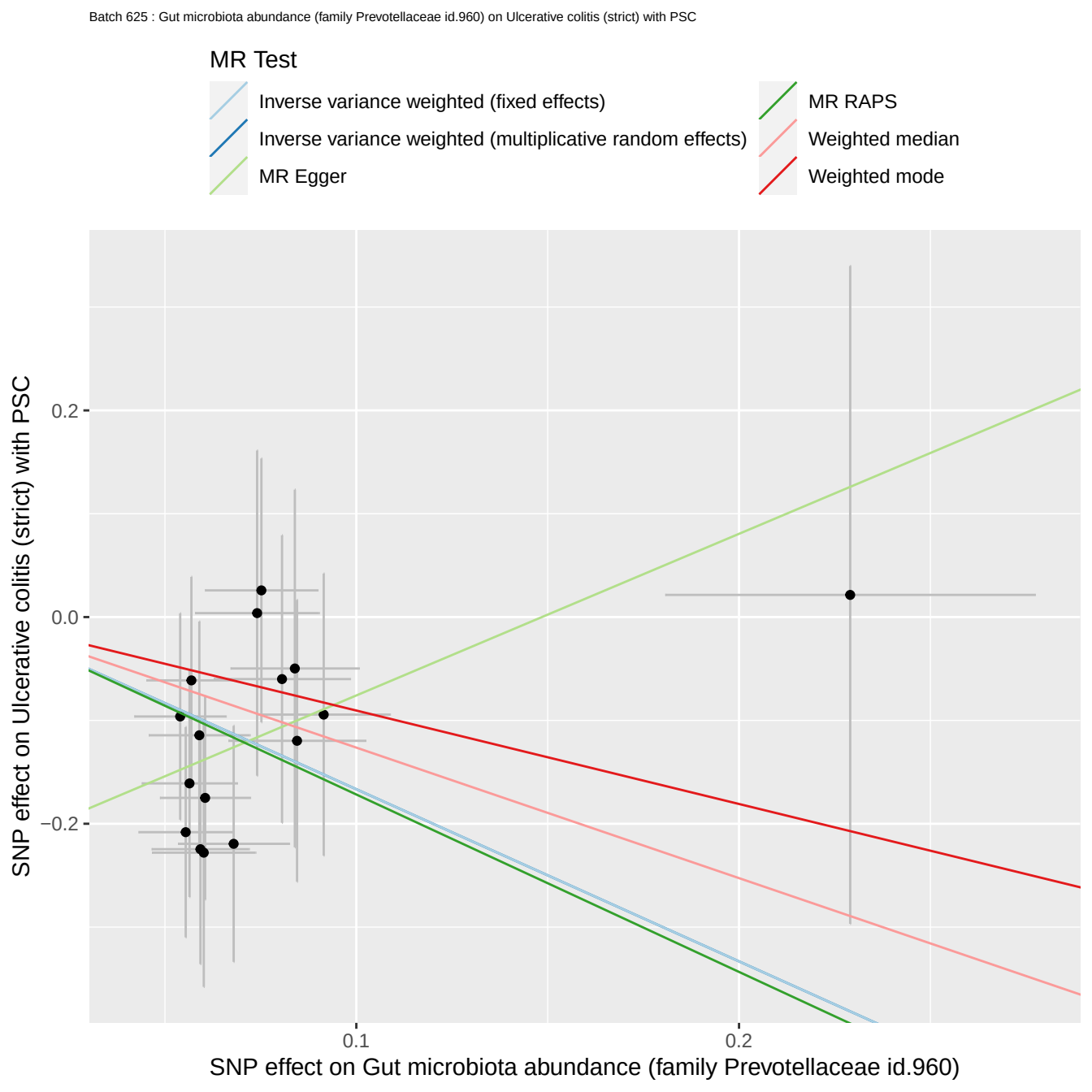

Batch 620 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)


Batch 621 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.0
−0.3
−0.6
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

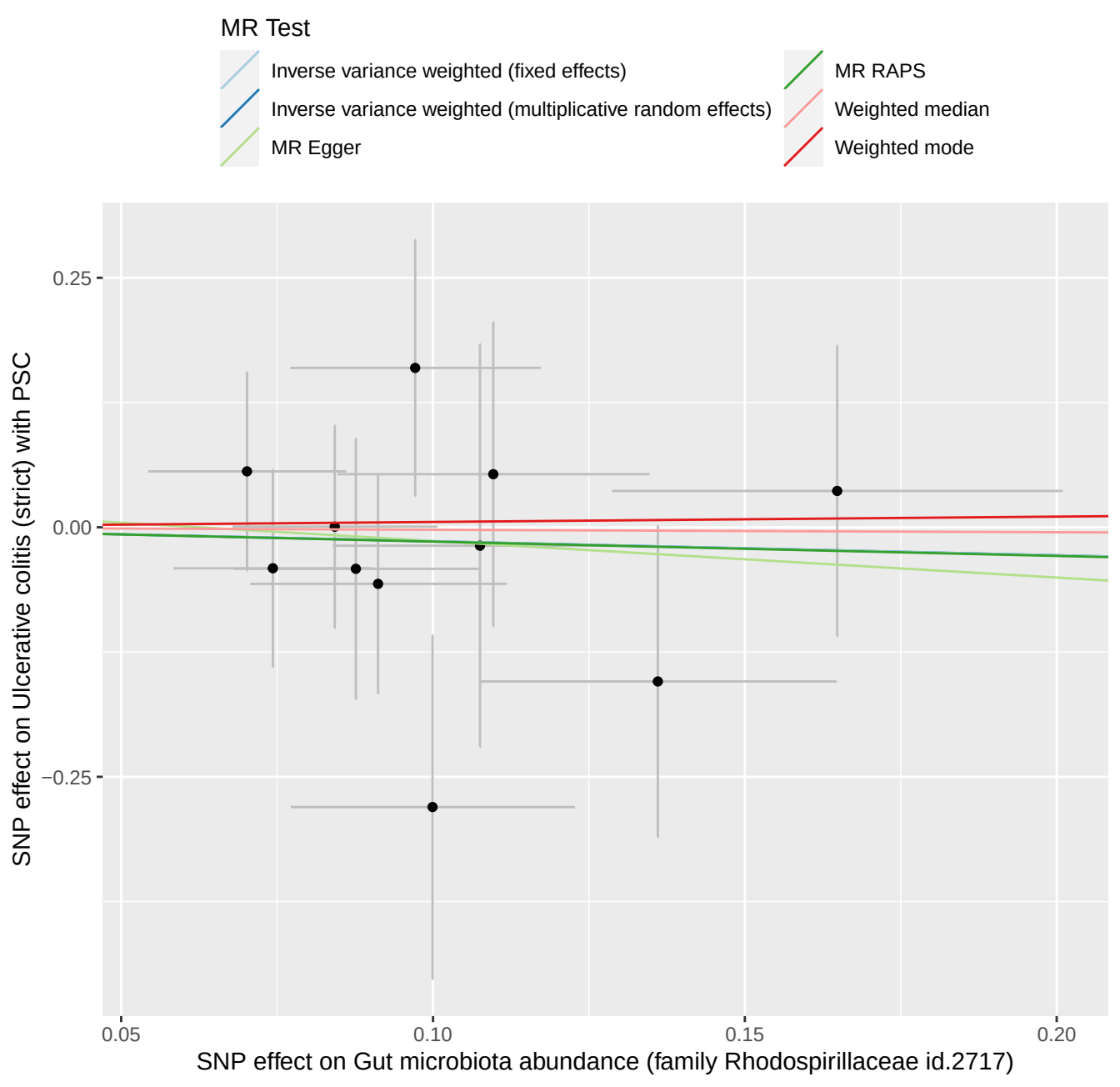

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)


Batch 623 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
1.0
0.5
0.0
−0.5
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

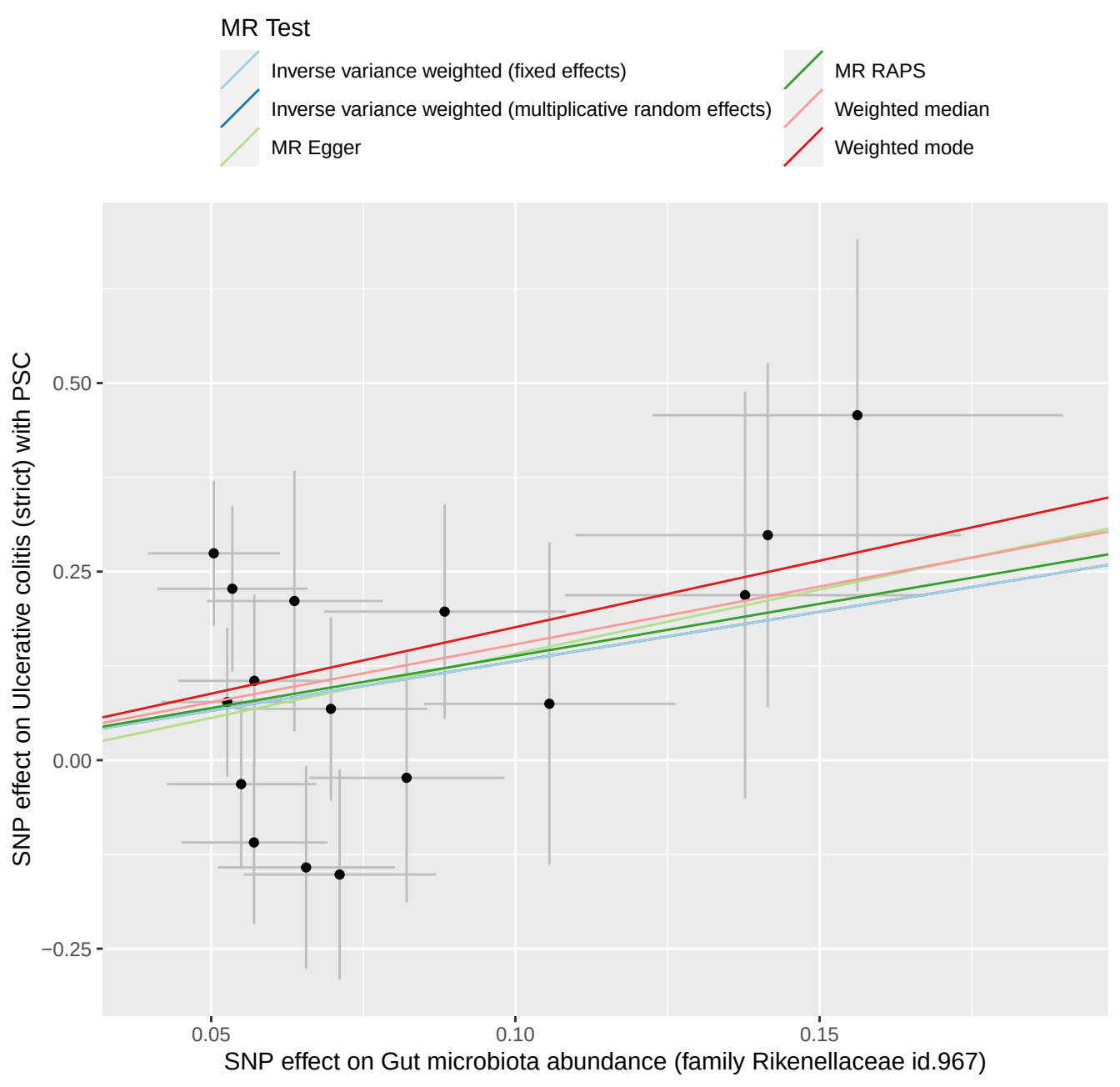

Batch 624 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)


Batch 625 : Gut microbiota abundance (family Prevotellaceae id.960) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

Batch 626 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Ulcerative colitis (strict) with PSC

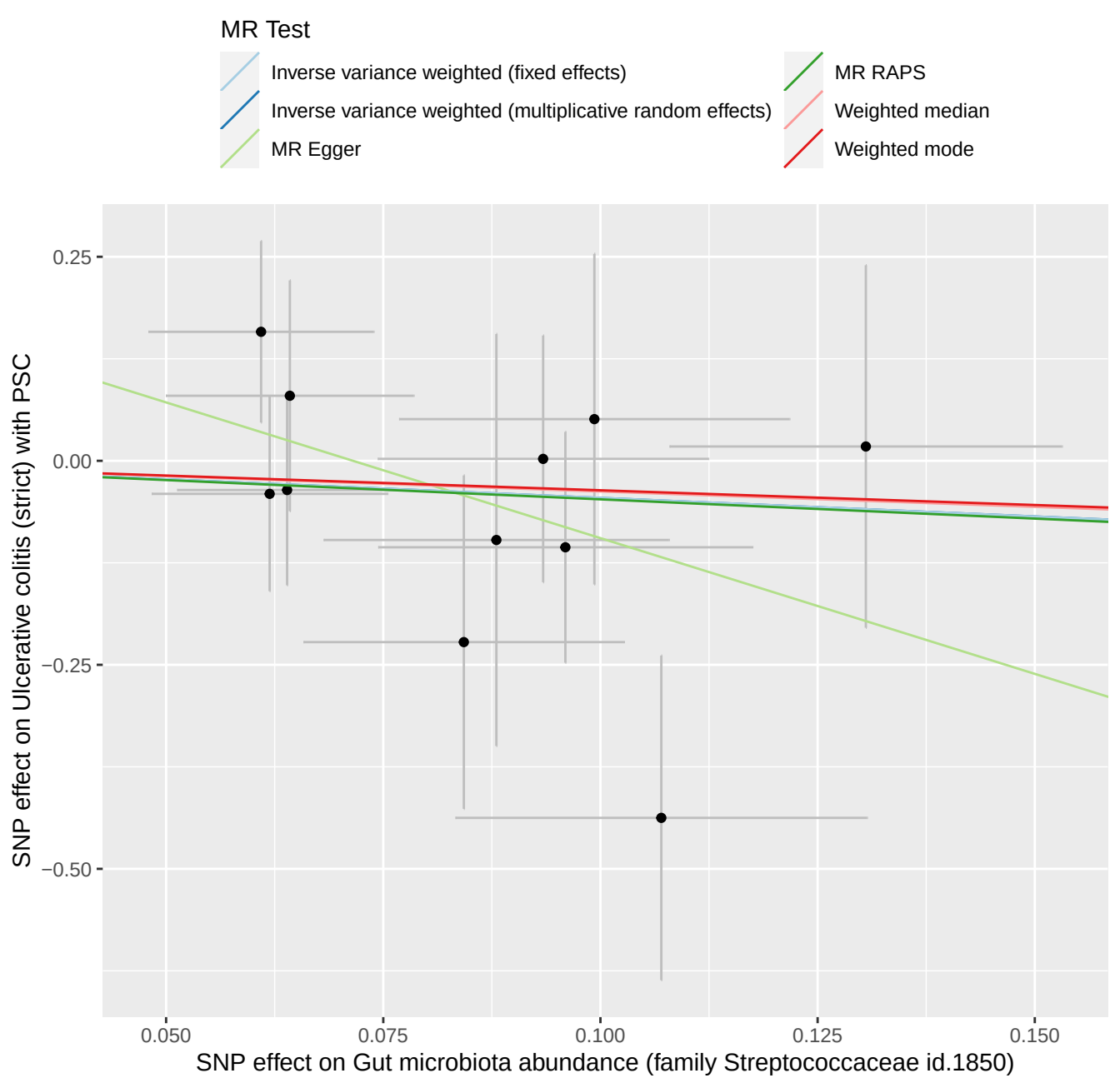


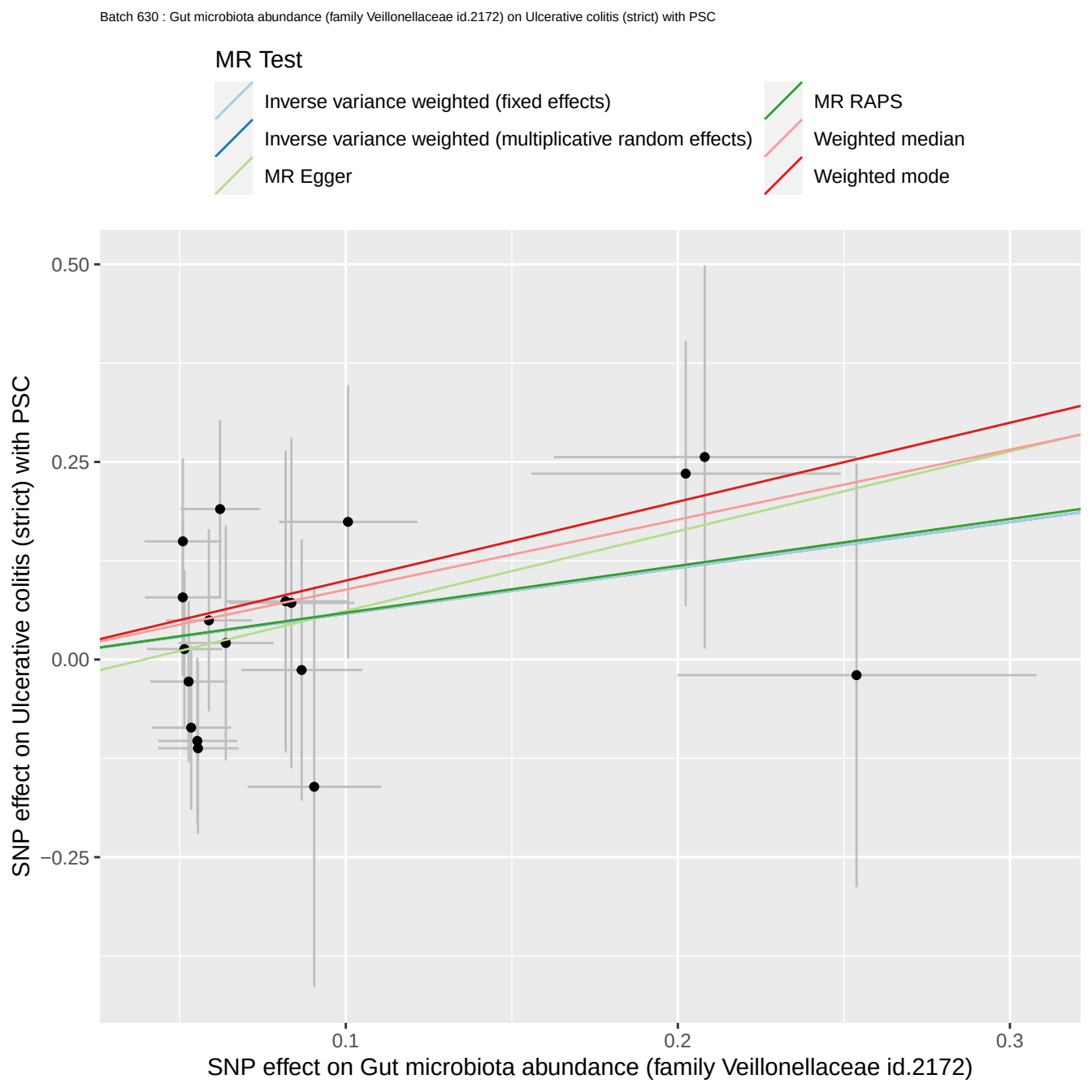
Batch 627 : Gut microbiota abundance (family Rikenellaceae id.967) on Ulcerative colitis (strict) with PSC

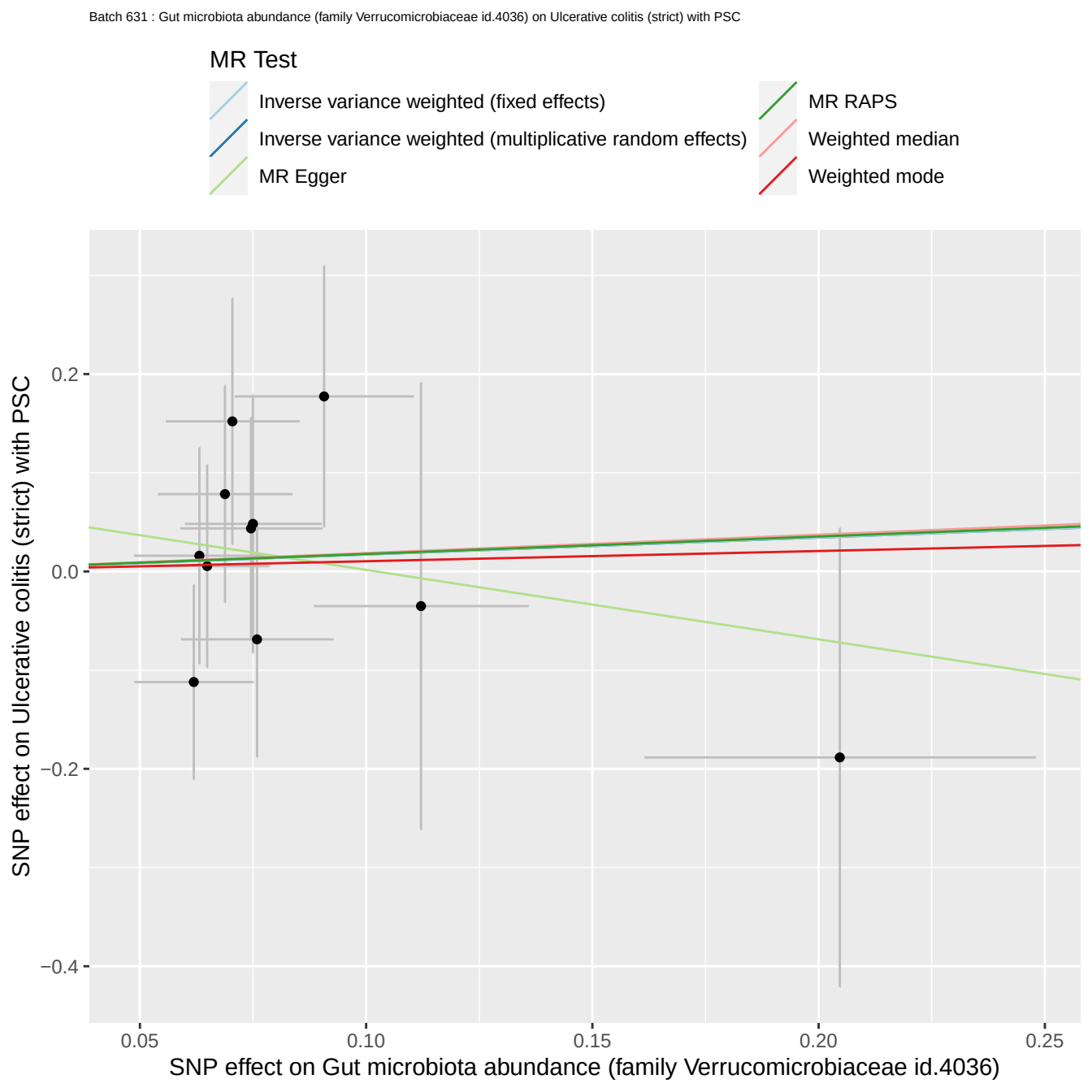


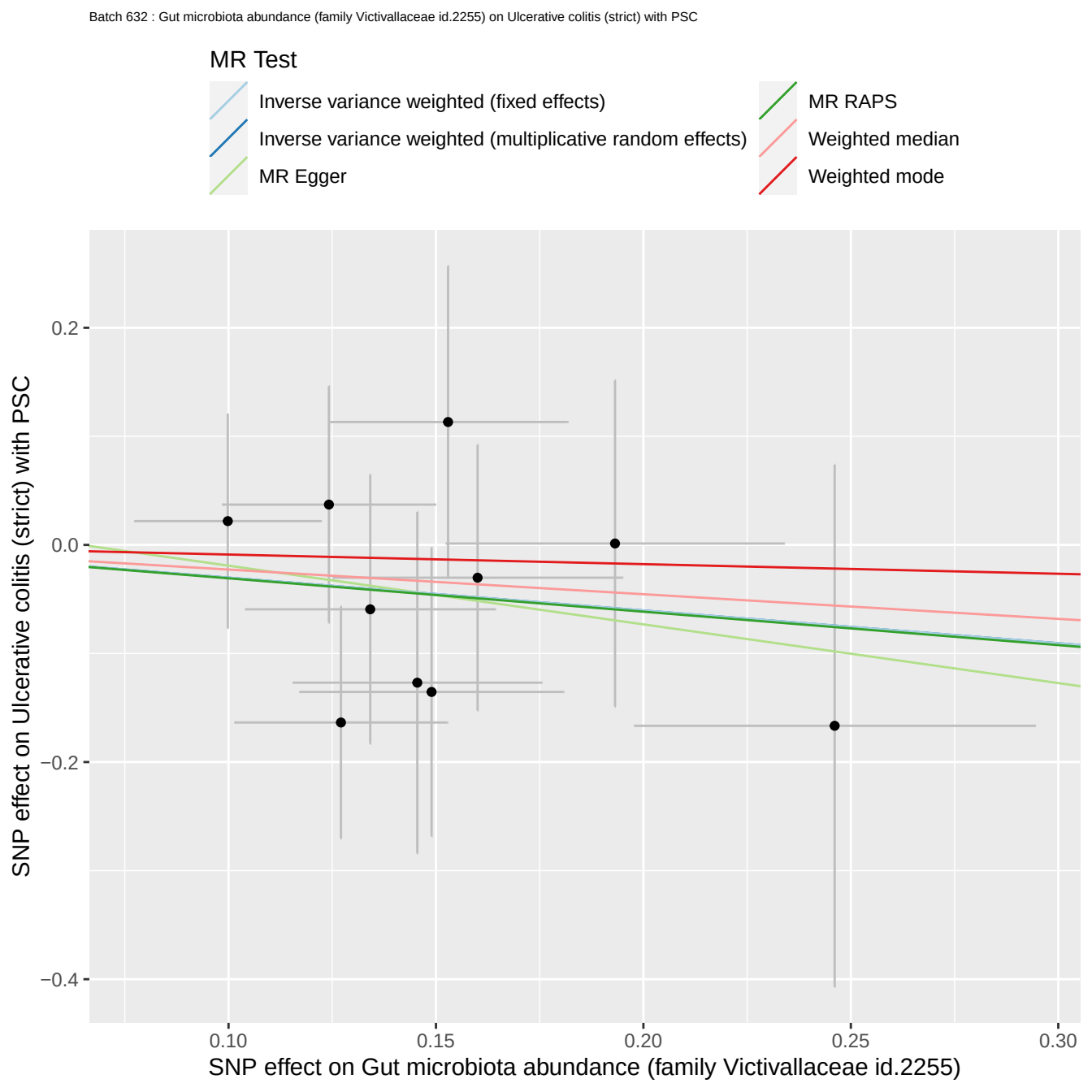
Batch 628 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

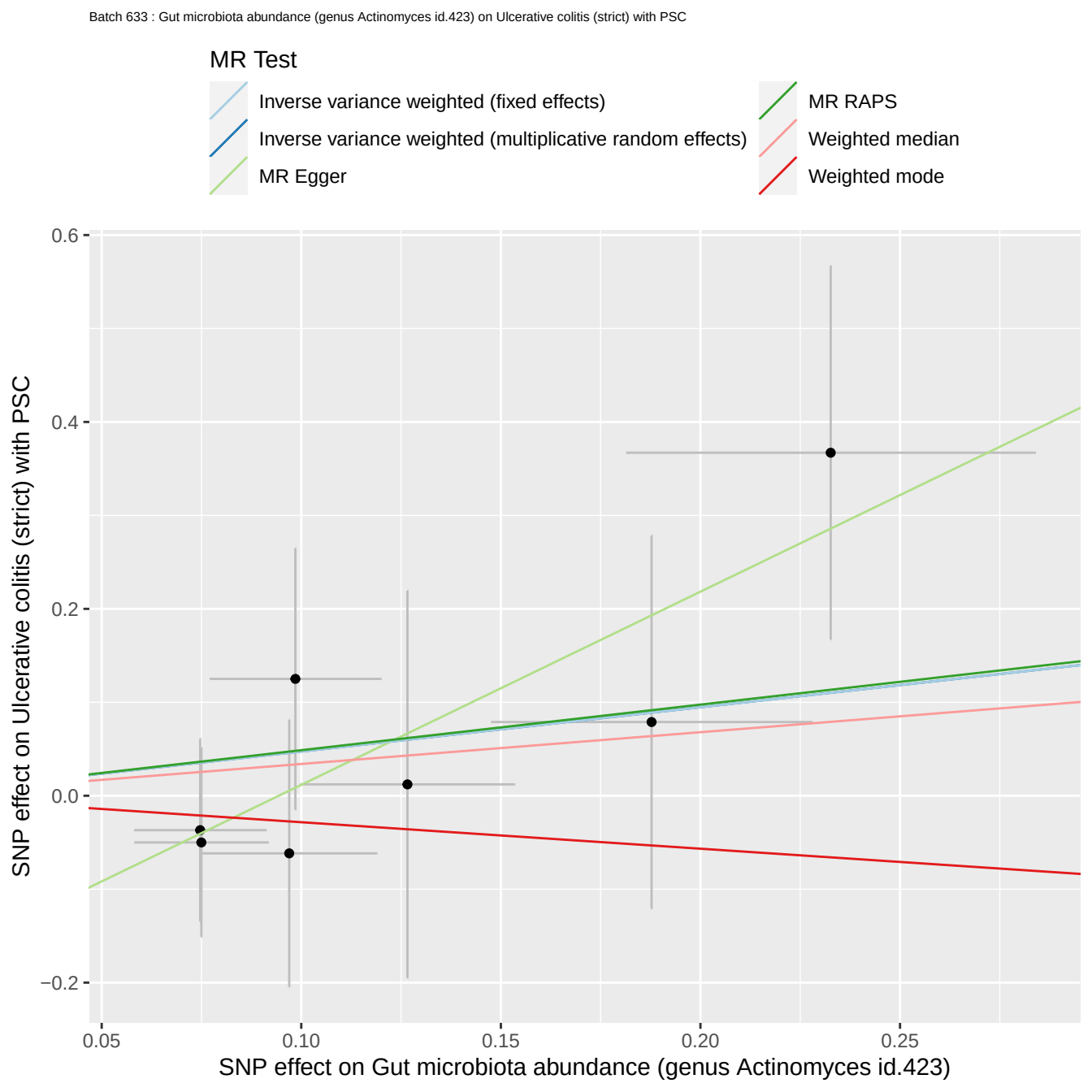
Batch 629 : Gut microbiota abundance (family Streptococcaceae id.1850) on Ulcerative colitis (strict) with PSC

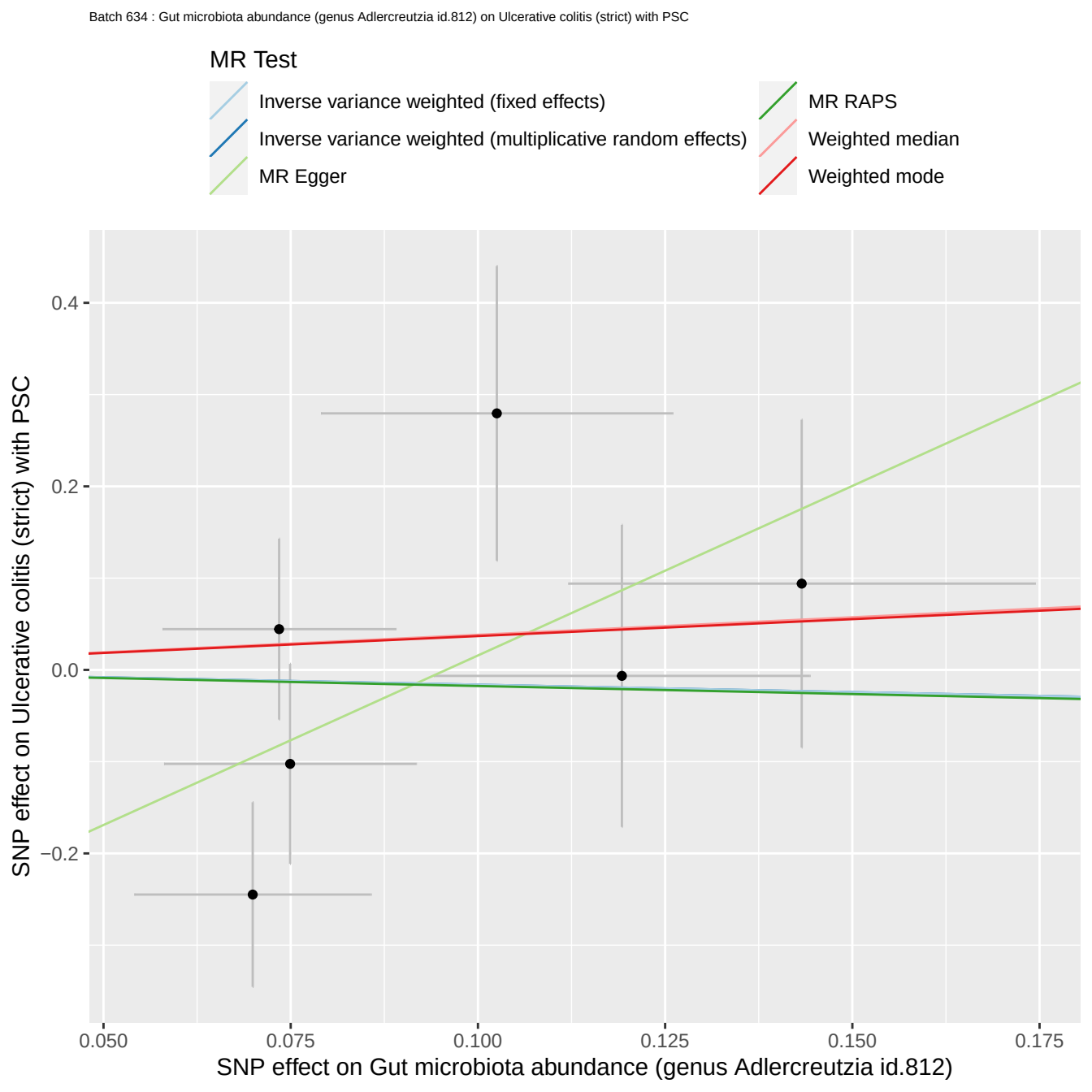


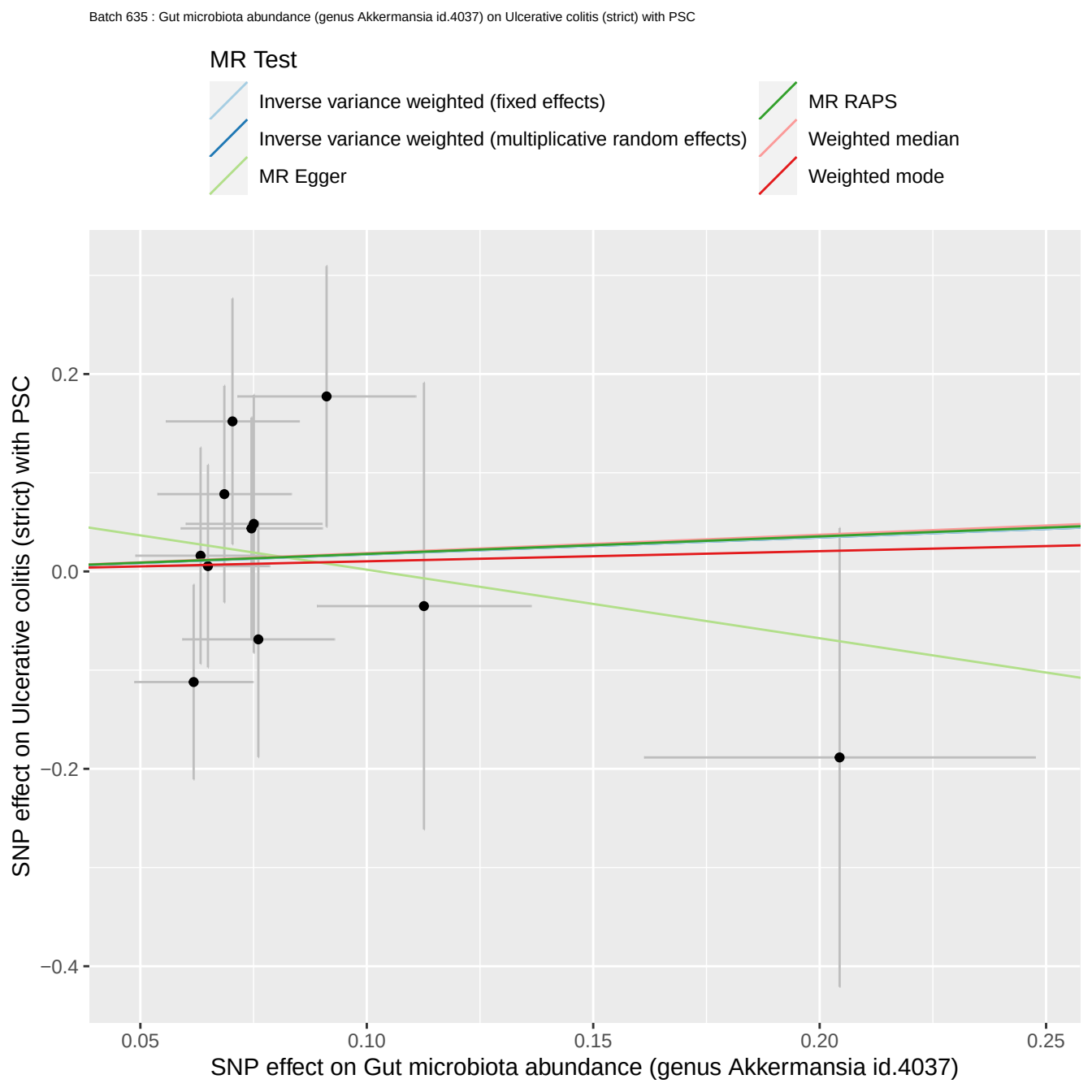

Batch 630 : Gut microbiota abundance (family Veillonellaceae id.2172) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)


Batch 631 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

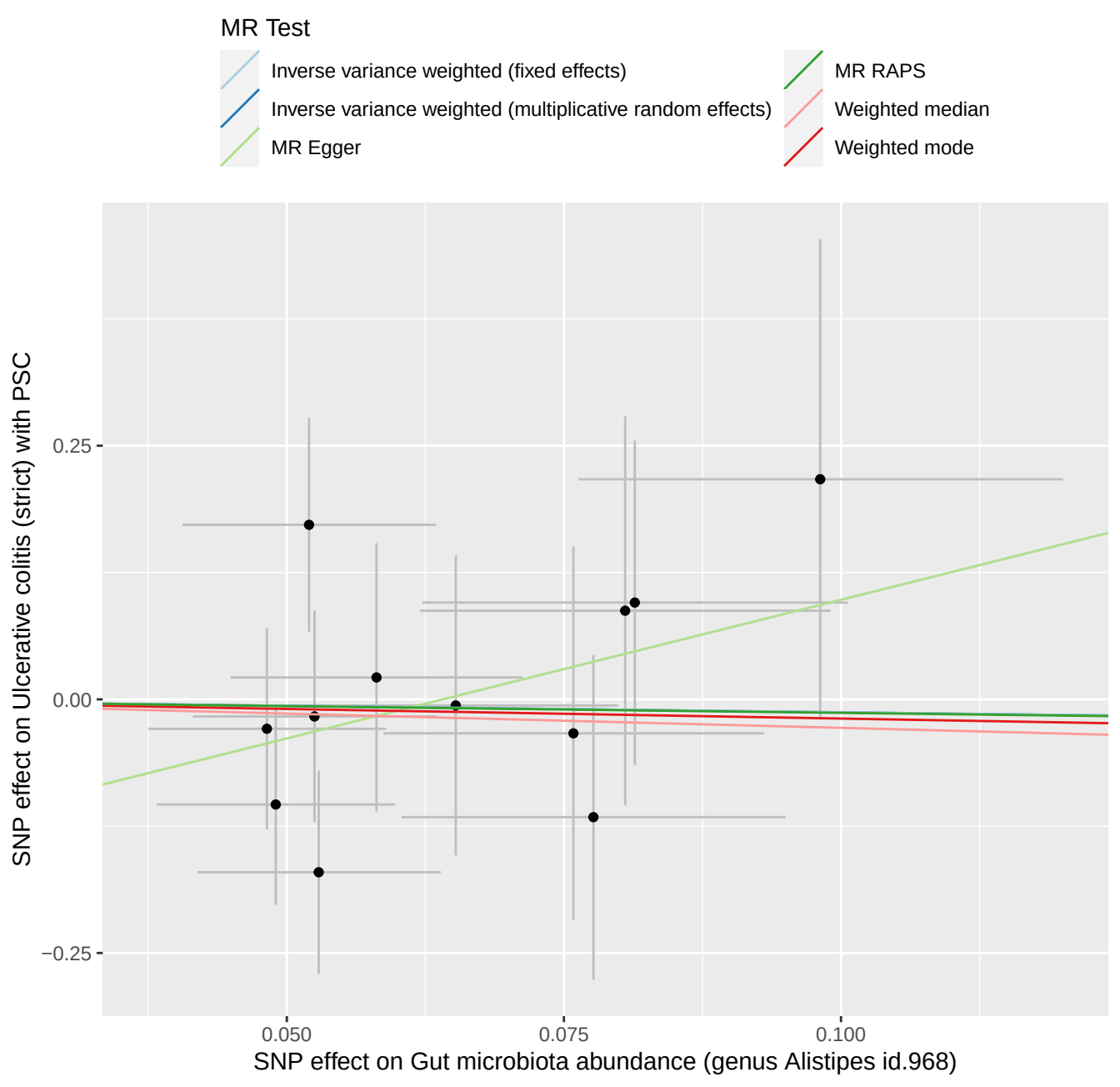

Batch 632 : Gut microbiota abundance (family Victivallaceae id.2255) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Victivallaceae id.2255)


Batch 633 : Gut microbiota abundance (genus Actinomyces id.423) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

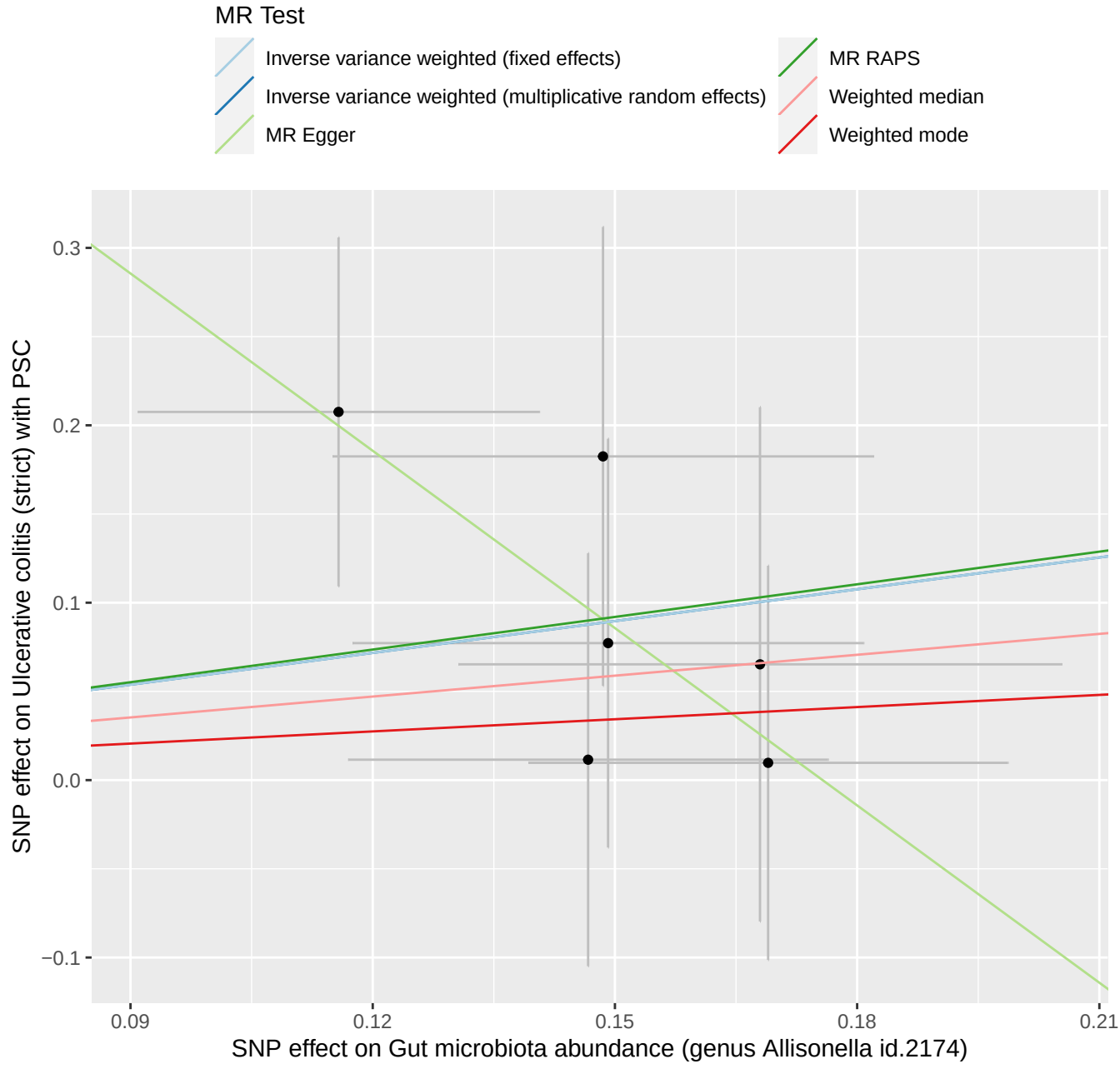

Batch 634 : Gut microbiota abundance (genus Adlercreutzia id.812) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

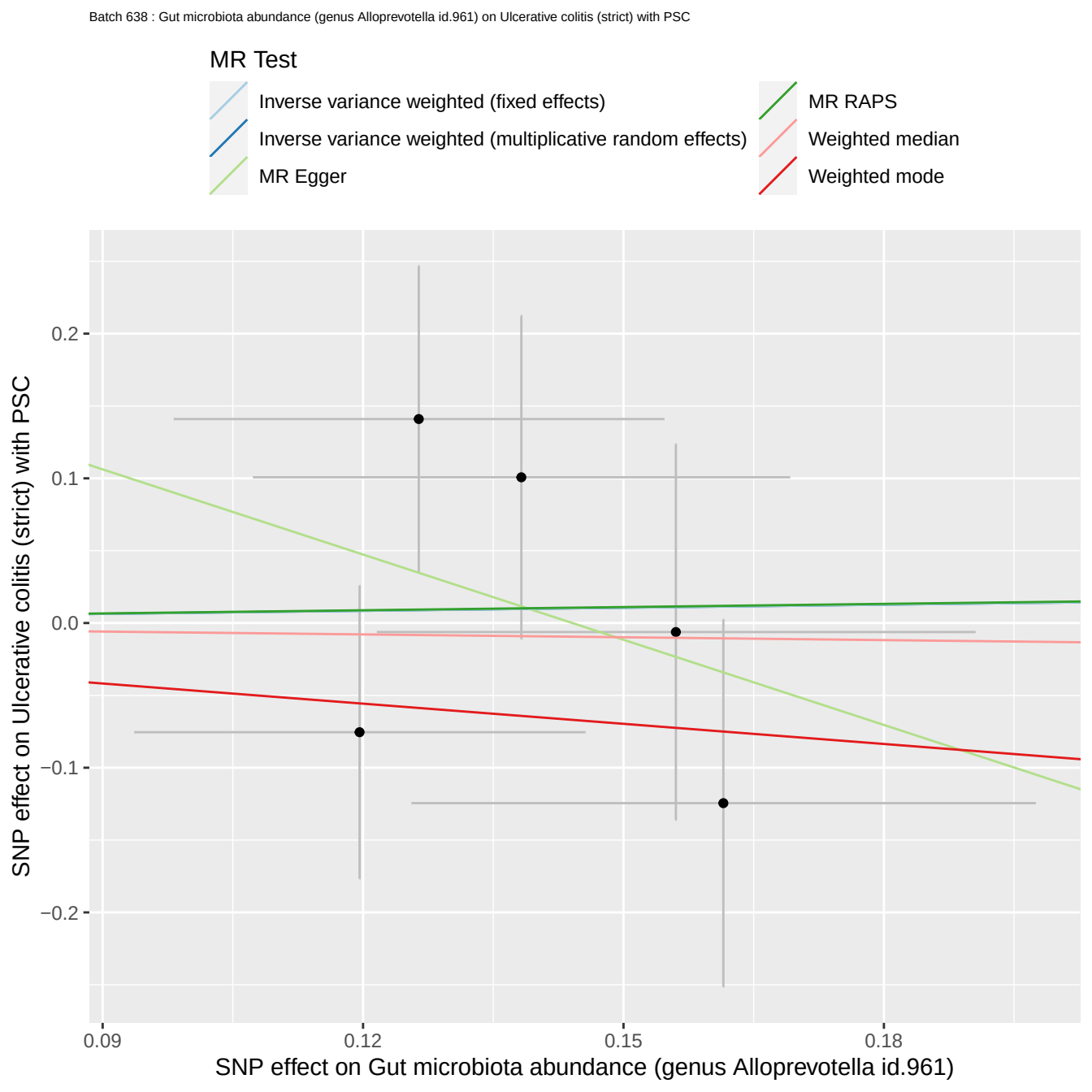

Batch 635 : Gut microbiota abundance (genus Akkermansia id.4037) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

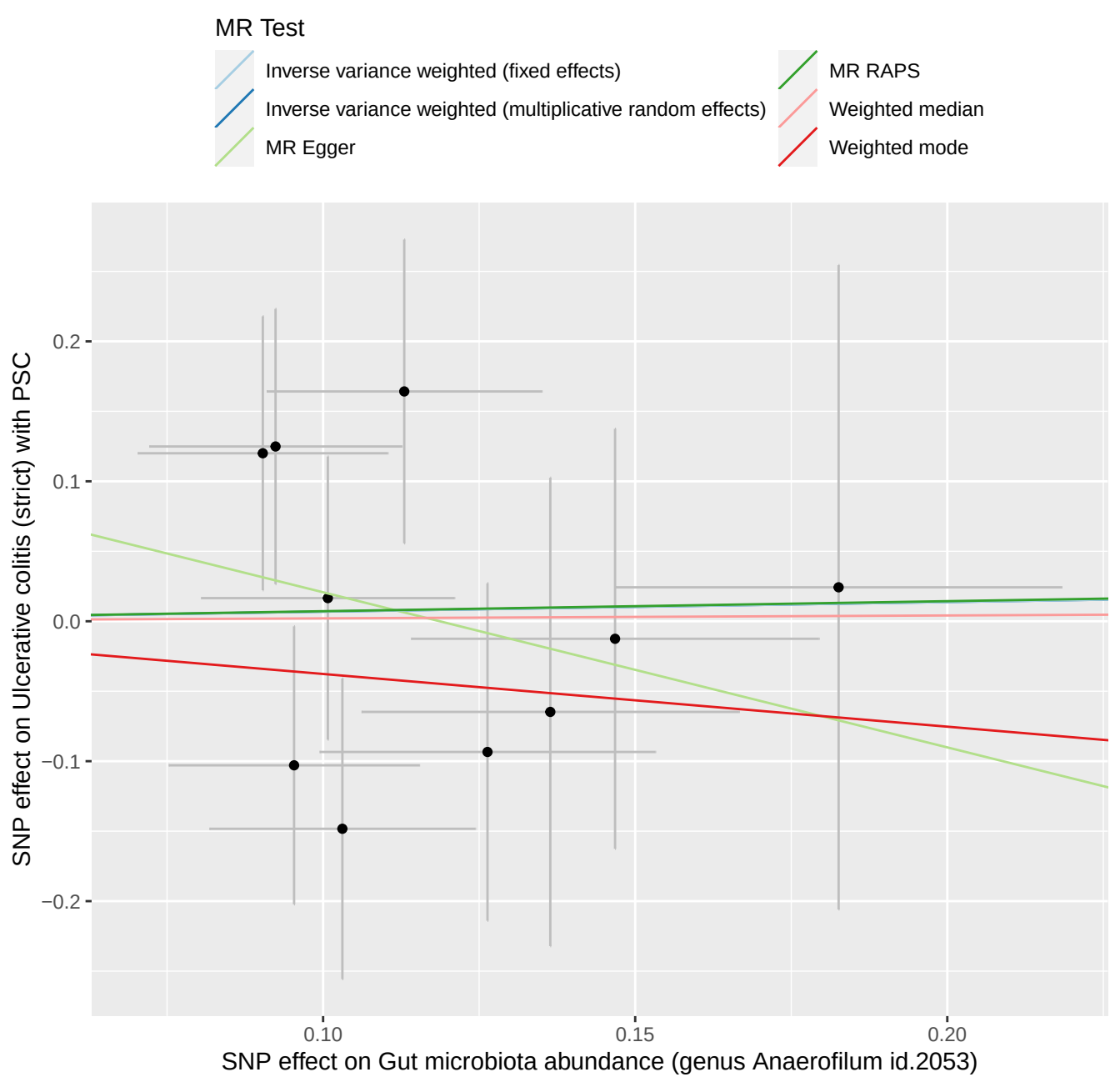
Batch 636 : Gut microbiota abundance (genus Alistipes id.968) on Ulcerative colitis (strict) with PSC

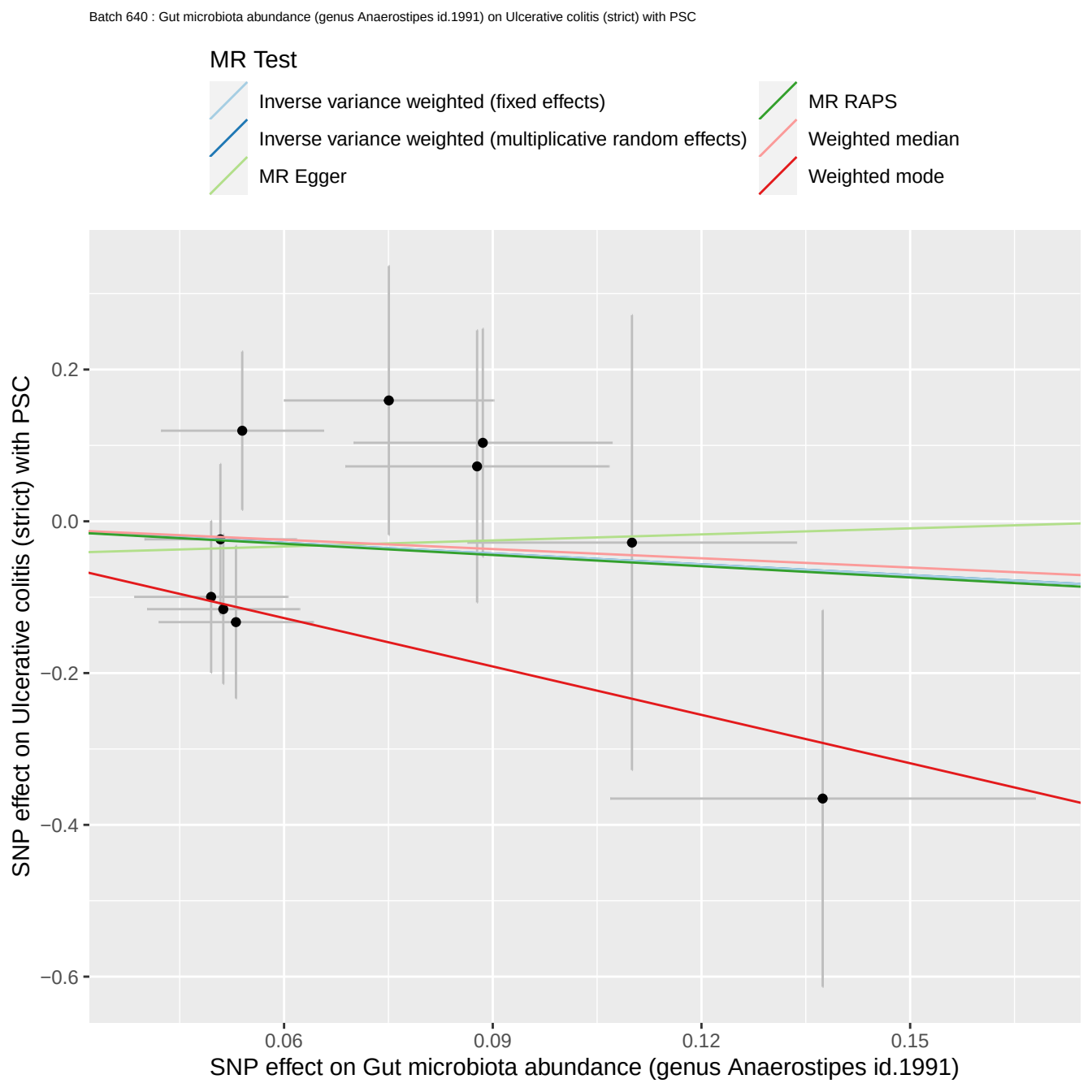


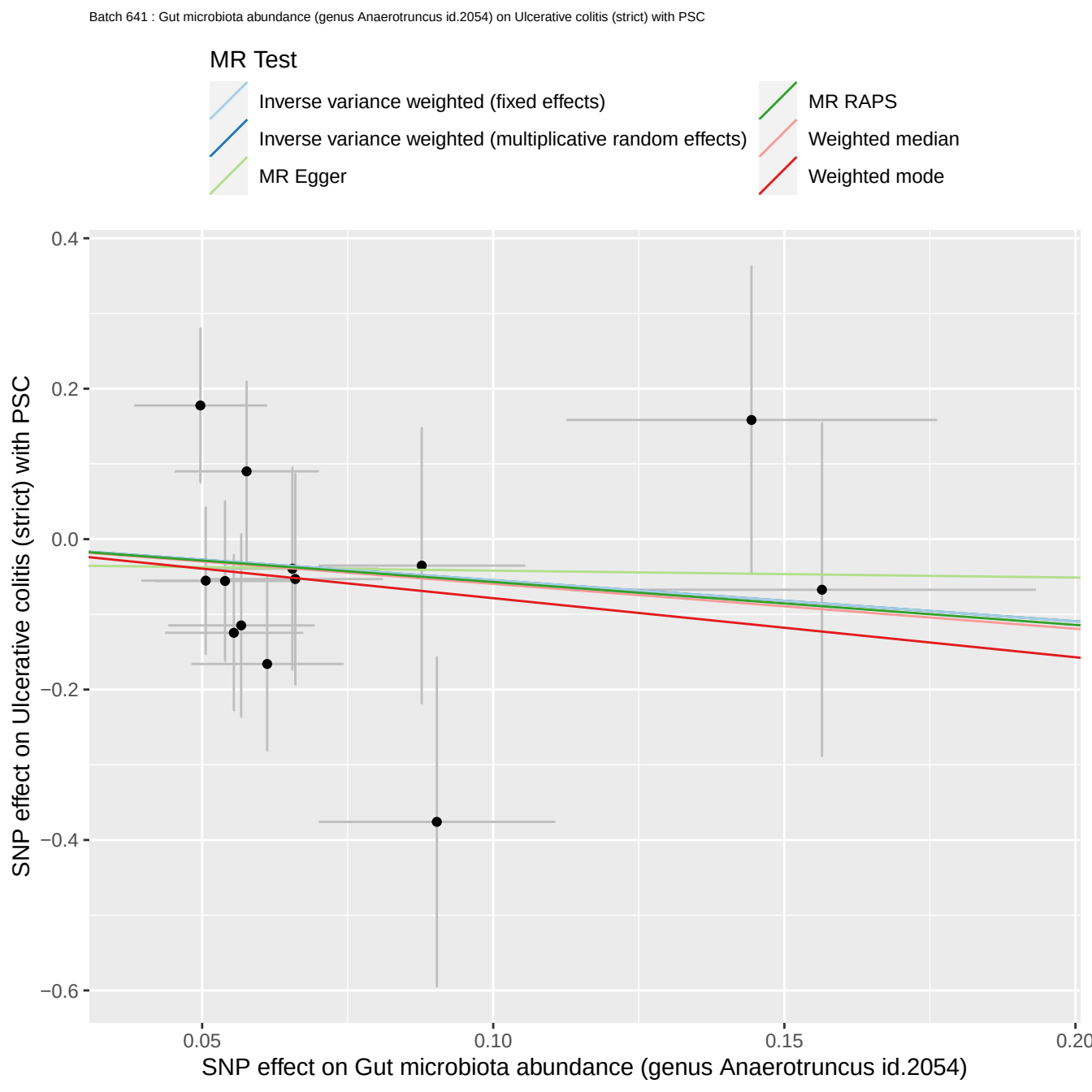
Batch 637 : Gut microbiota abundance (genus Allisonella id.2174) on Ulcerative colitis (strict) with PSC

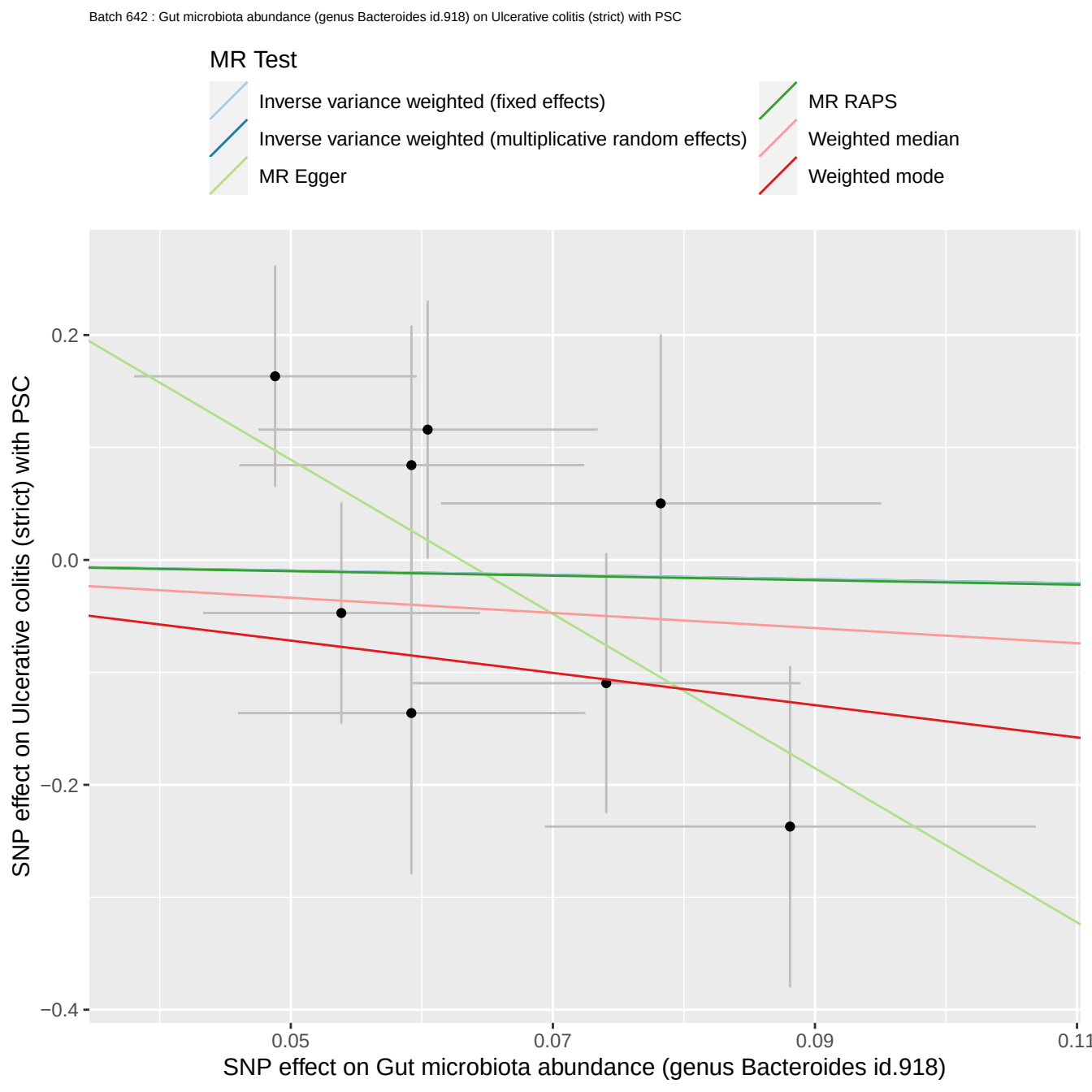


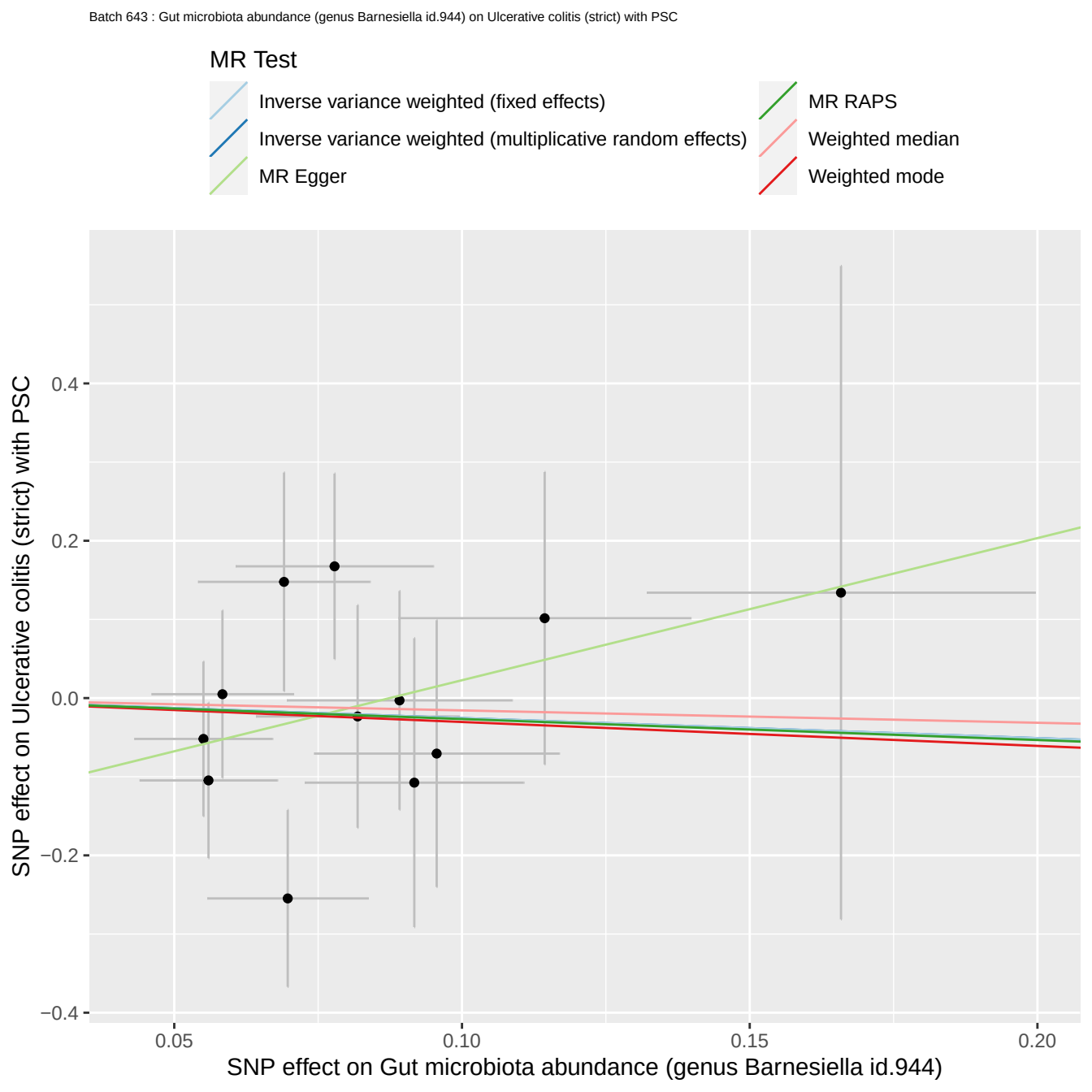

Batch 638 : Gut microbiota abundance (genus Alloprevotella id.961) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.1
0.0
−0.1
−0.2
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

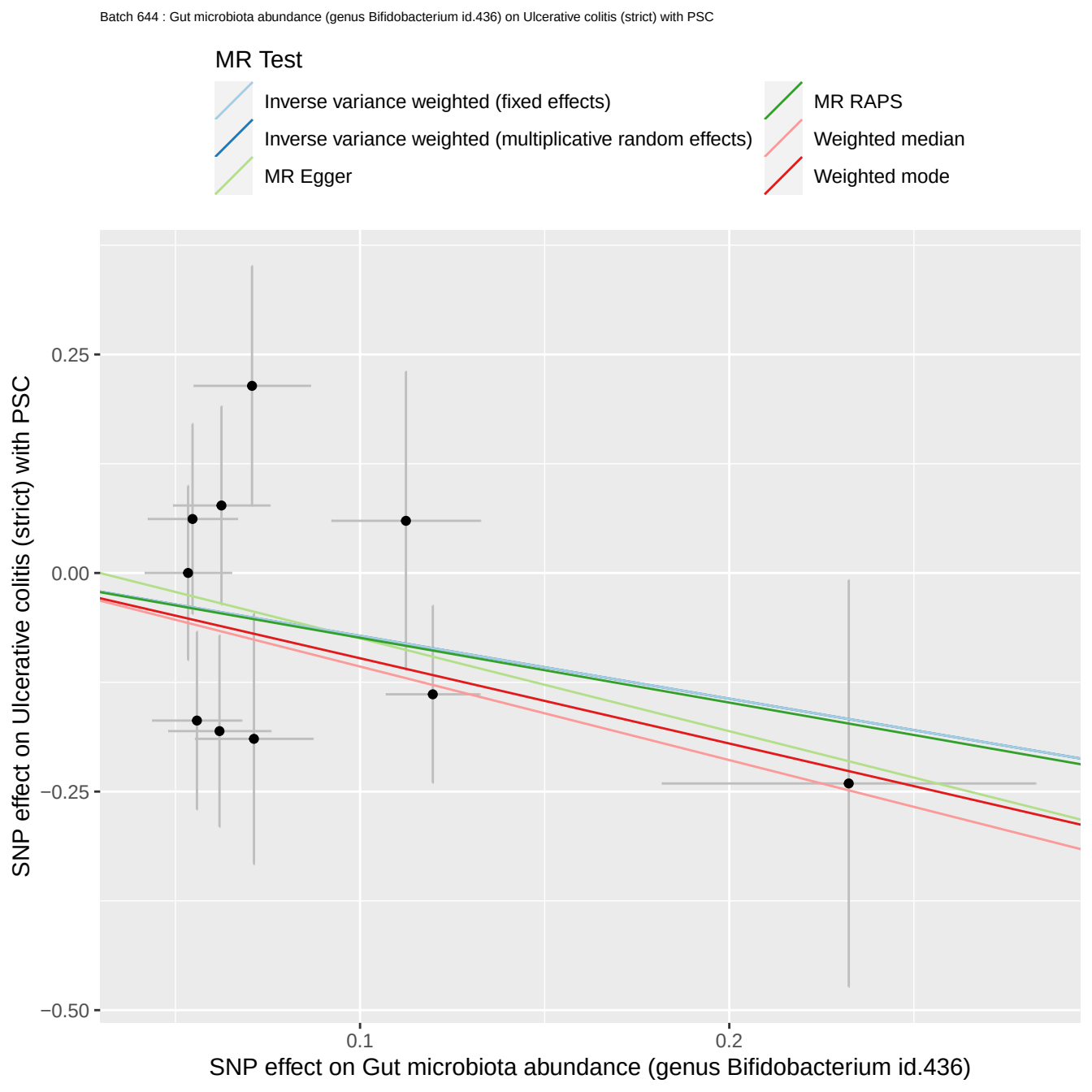

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

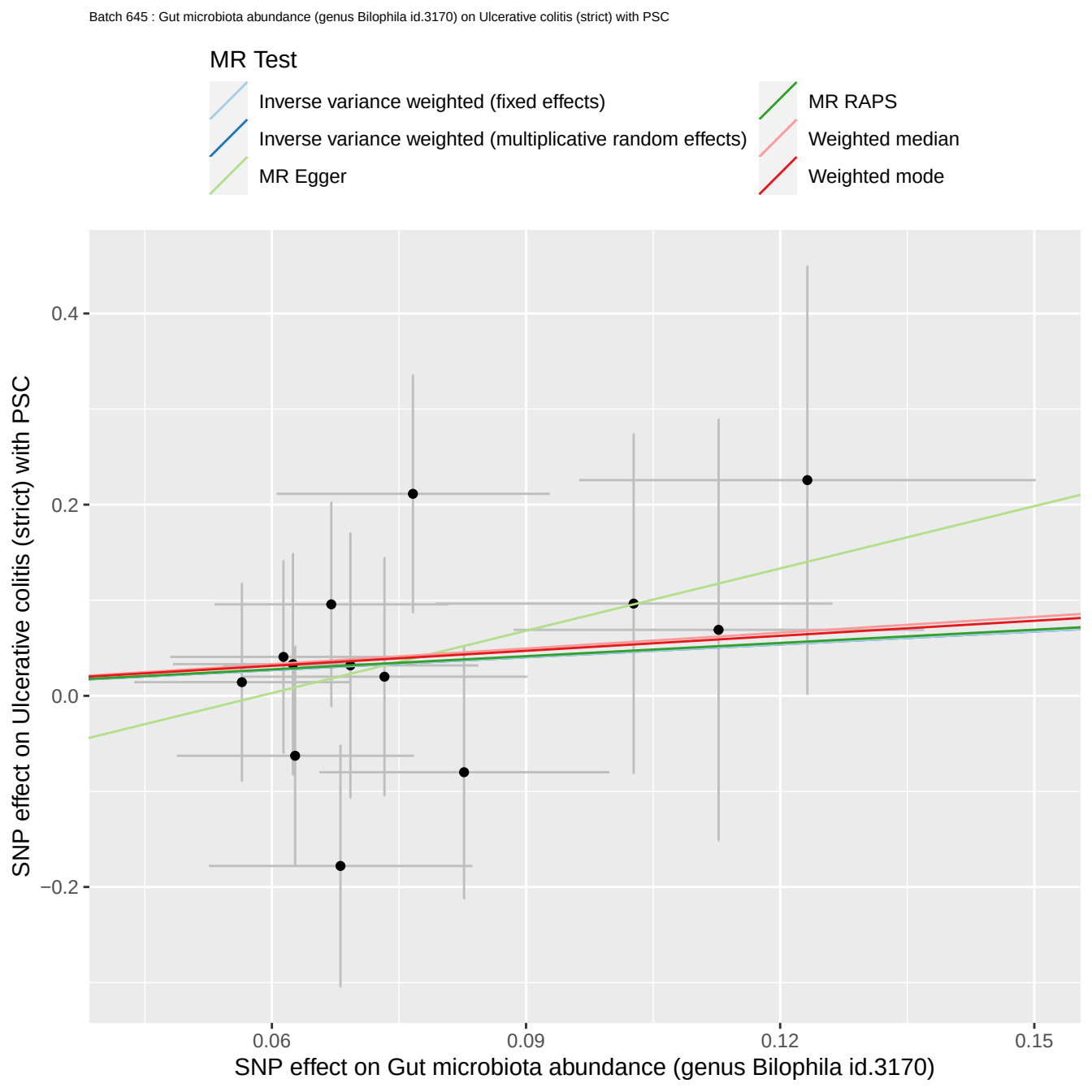

Batch 640 : Gut microbiota abundance (genus Anaerostipes id.1991) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
−0.6
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)


Batch 641 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)

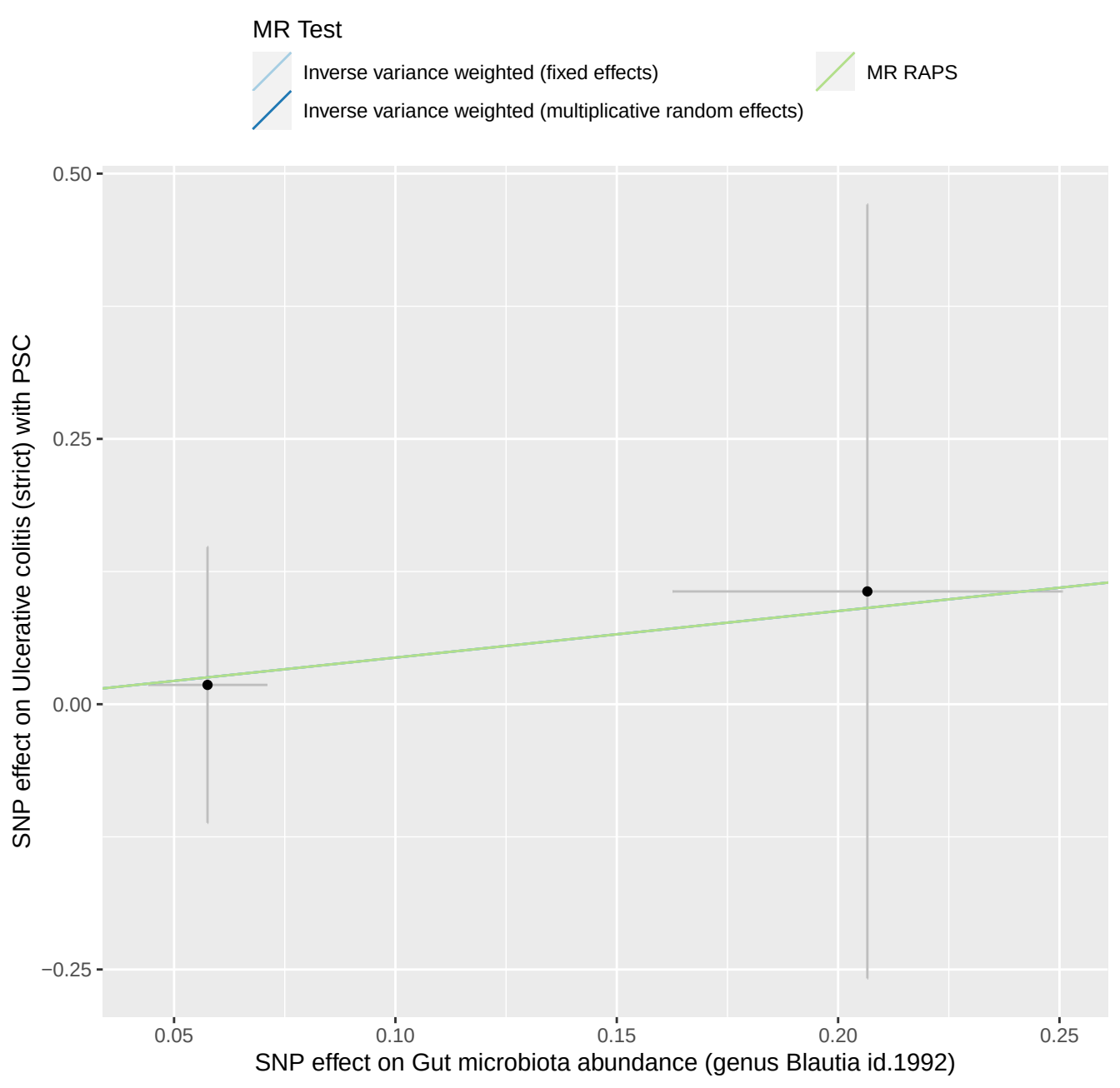

Batch 642 : Gut microbiota abundance (genus Bacteroides id.918) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

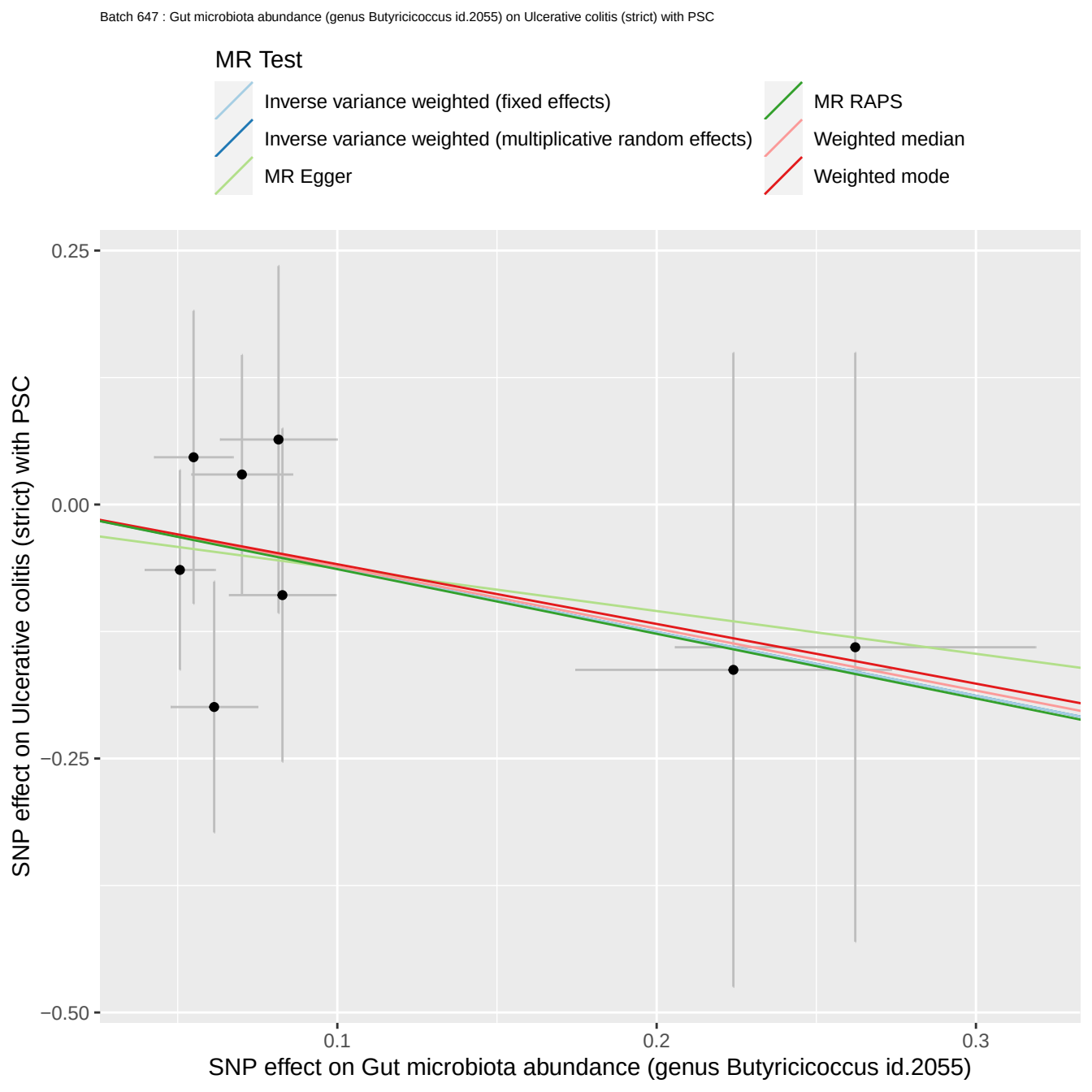

Batch 643 : Gut microbiota abundance (genus Barnesiella id.944) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

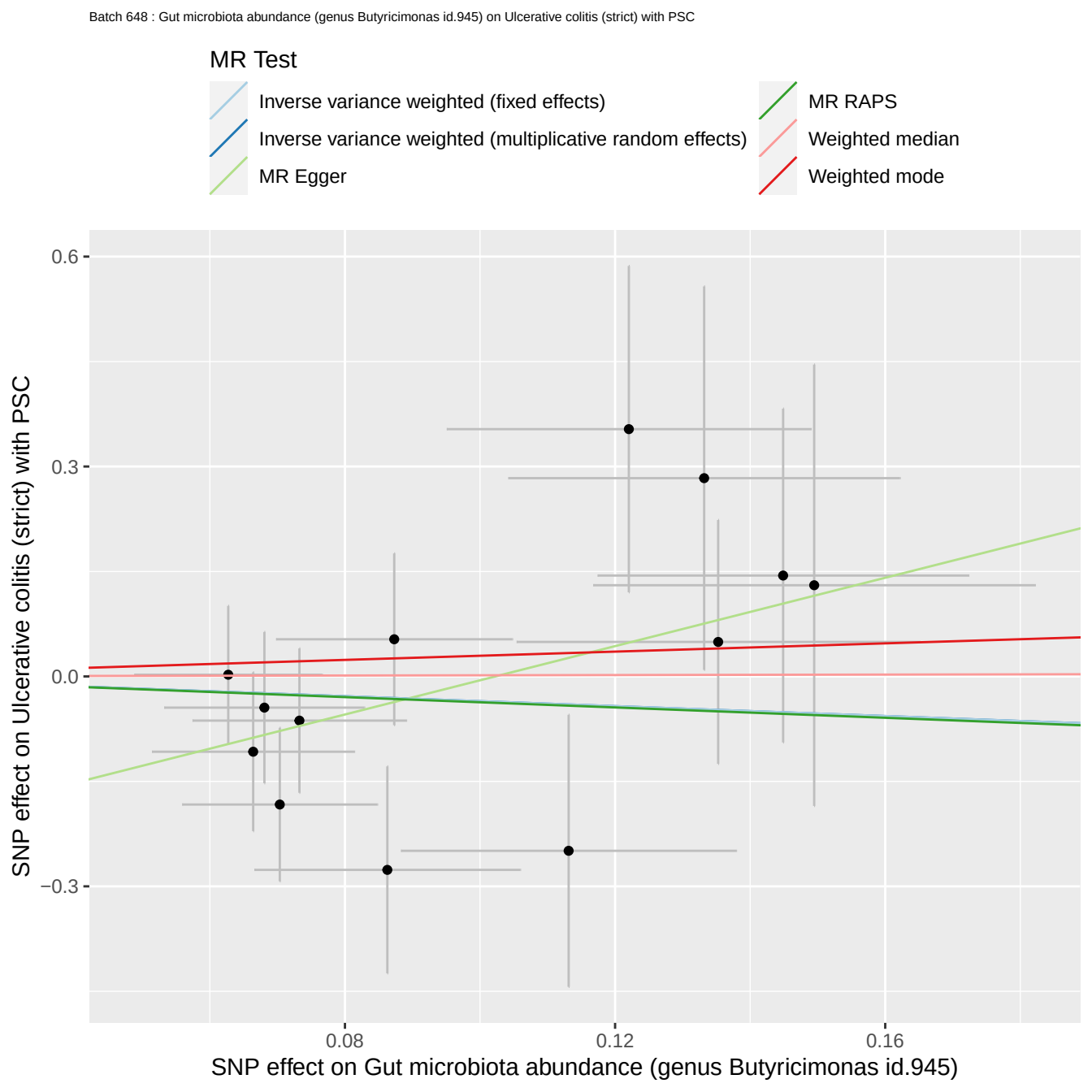

Batch 644 : Gut microbiota abundance (genus Bifidobacterium id.436) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.1
0.2
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)


Batch 645 : Gut microbiota abundance (genus Bilophila id.3170) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

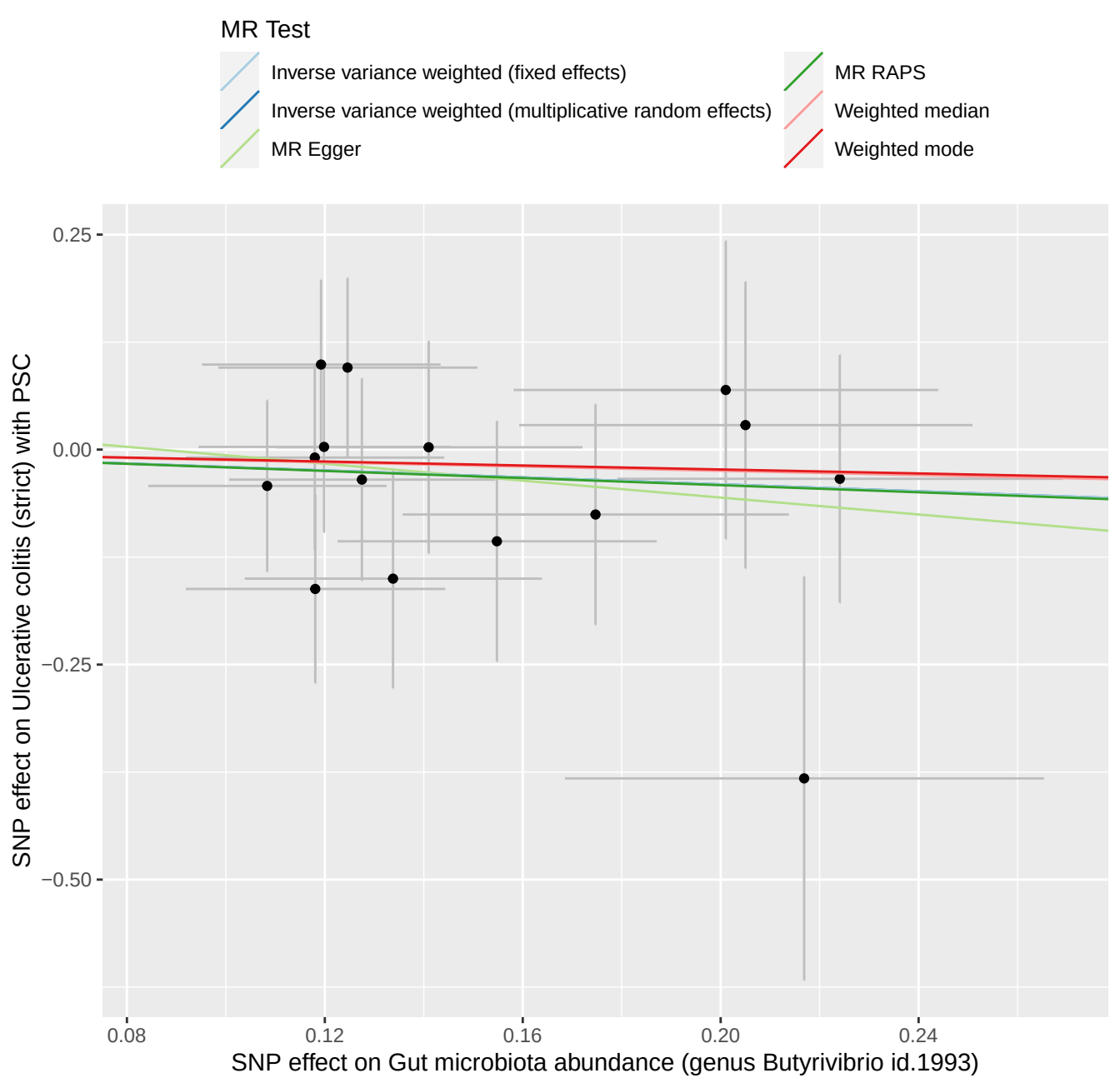
Batch 646 : Gut microbiota abundance (genus Blautia id.1992) on Ulcerative colitis (strict) with PSC

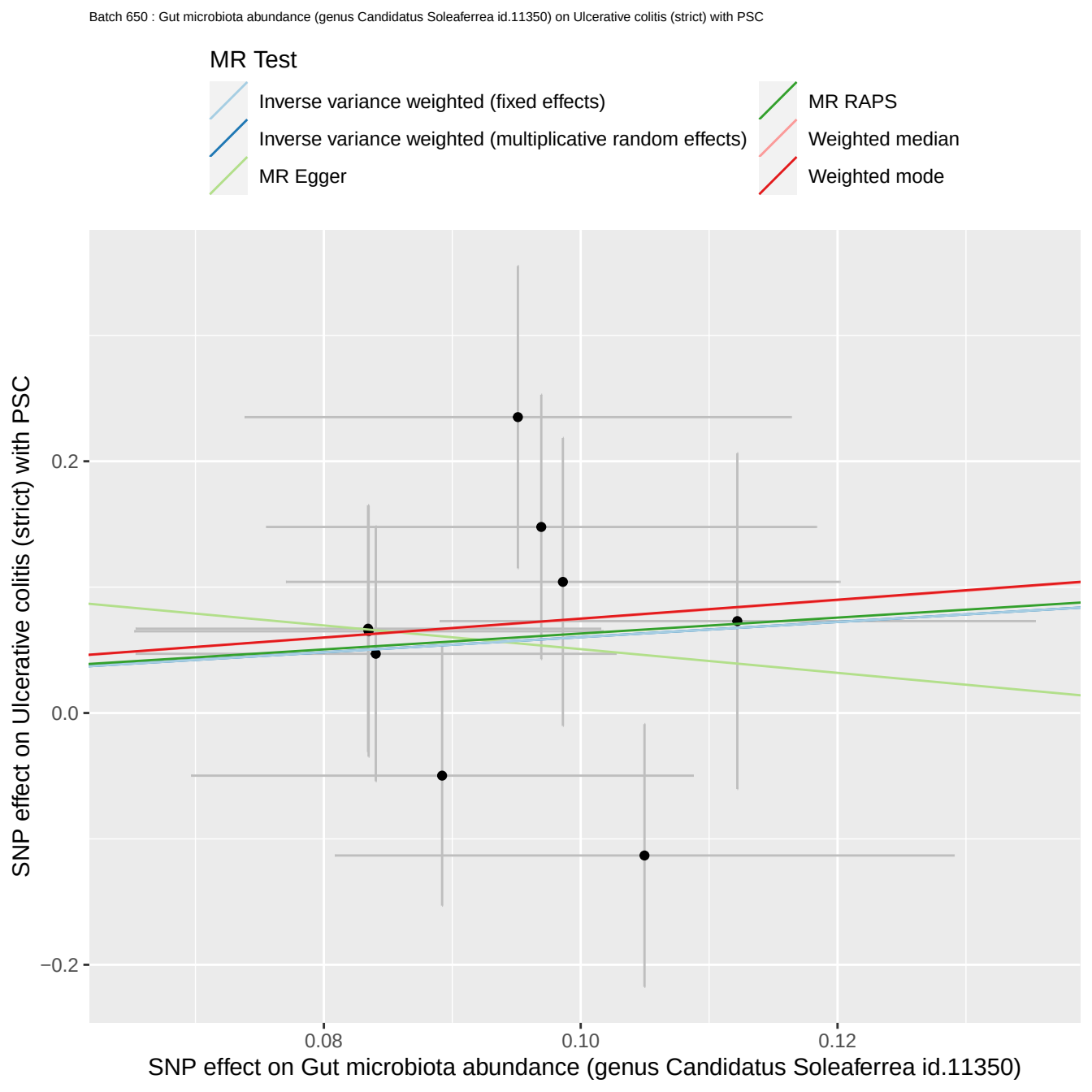



MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
0.1
0.2
0.3
SNP effect on Ulcerative colitis (strict) with PSC
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)

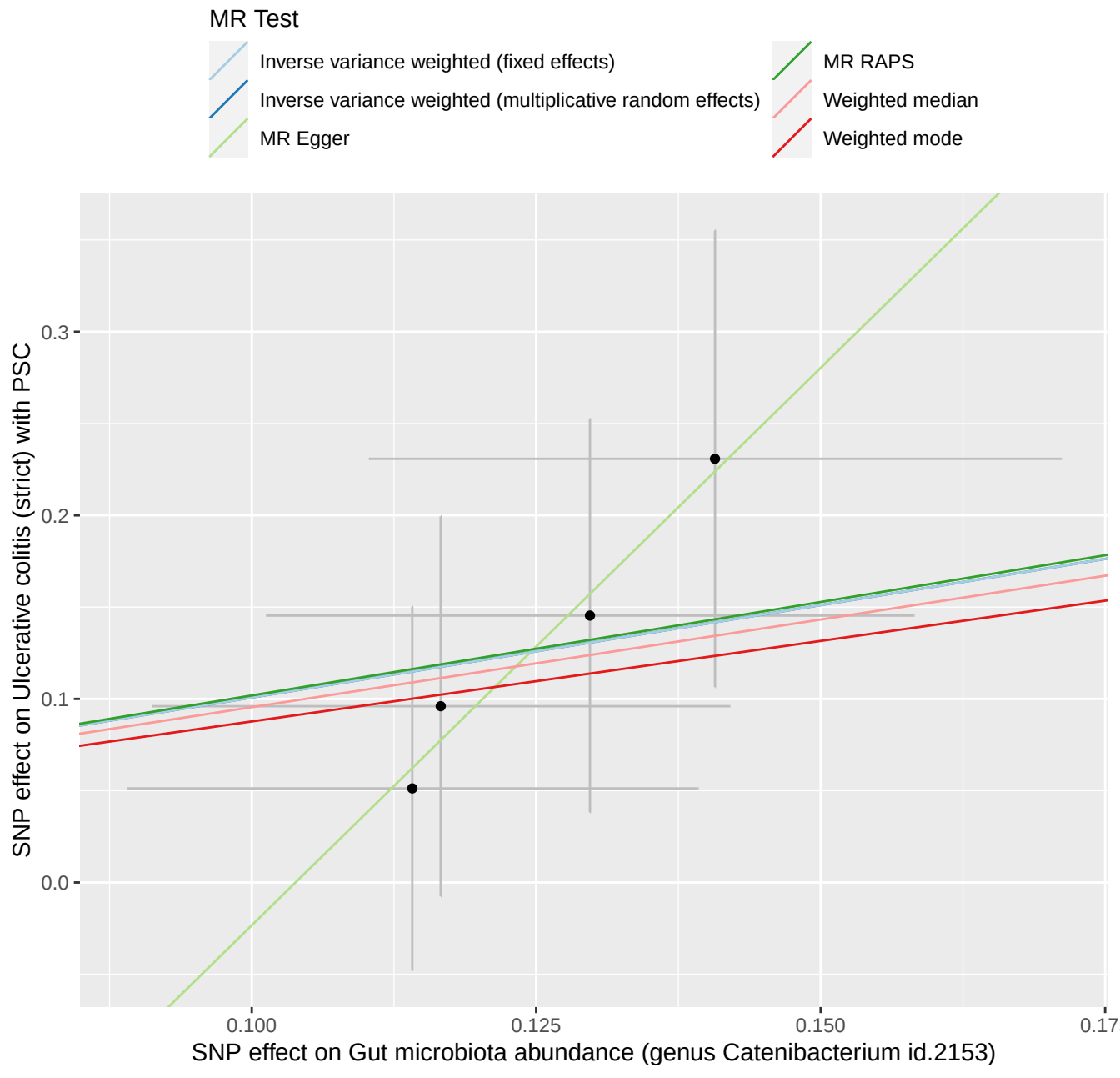

Batch 648 : Gut microbiota abundance (genus Butyricimonas id.945) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.3
0.0
−0.3
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

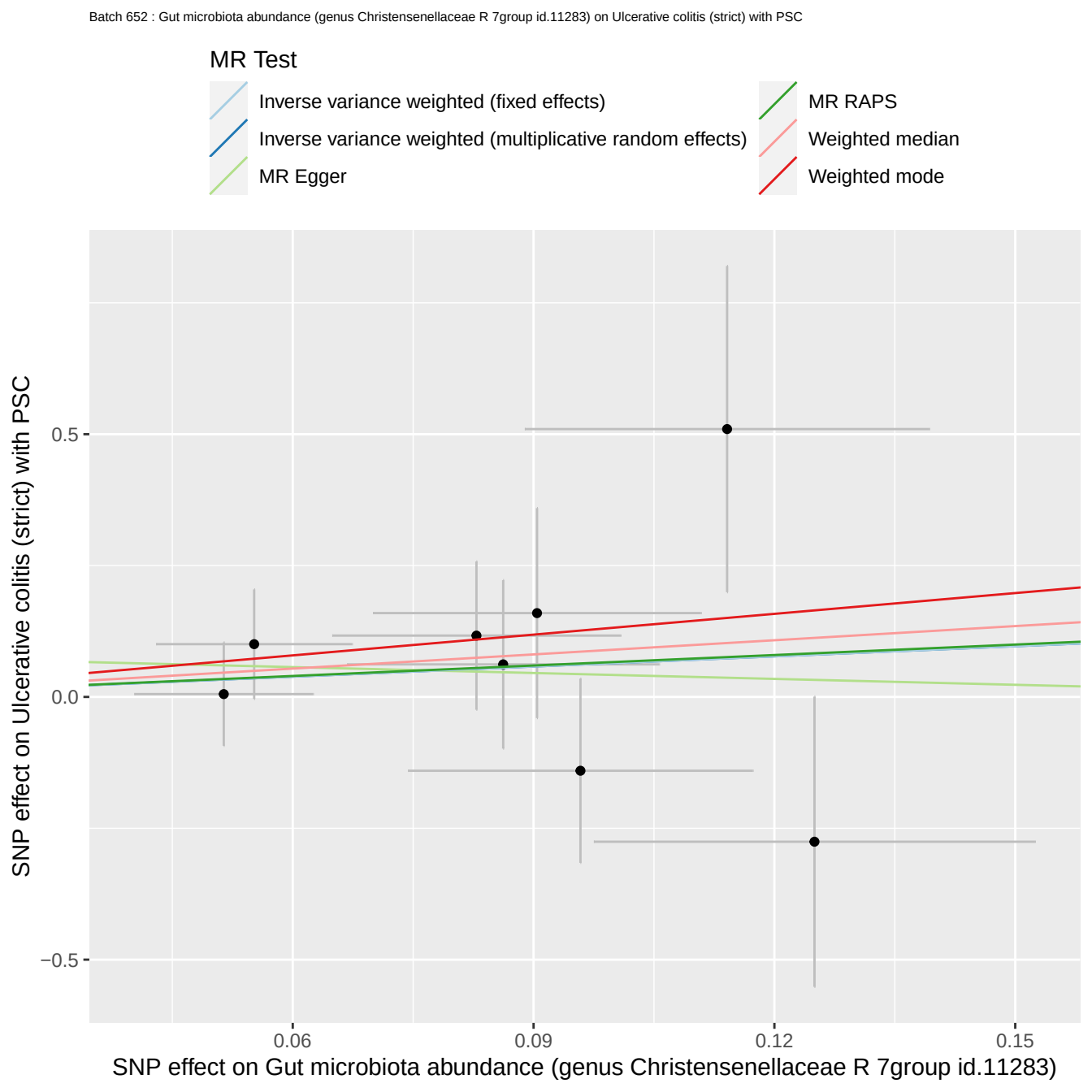
Batch 649 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Ulcerative colitis (strict) with PSC

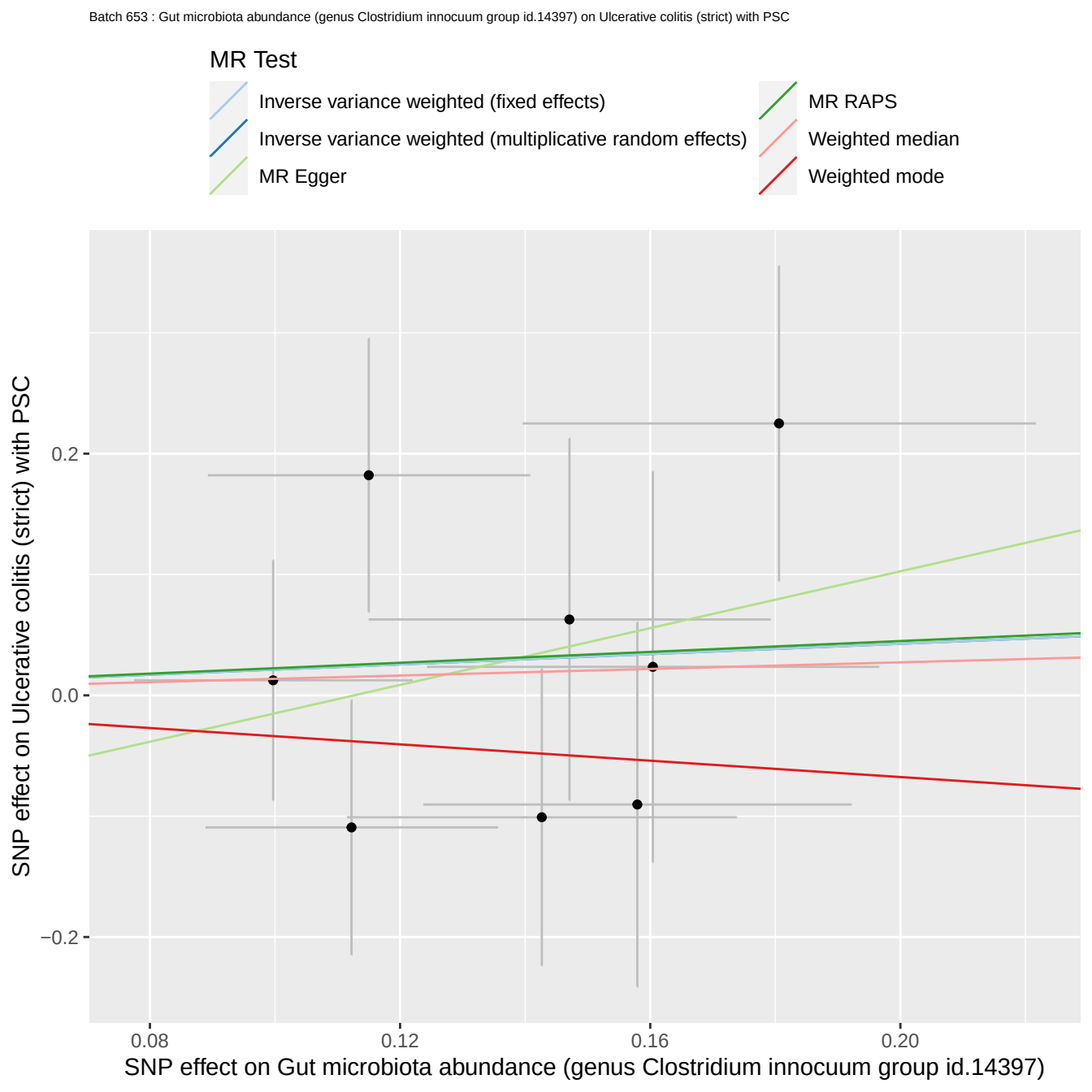


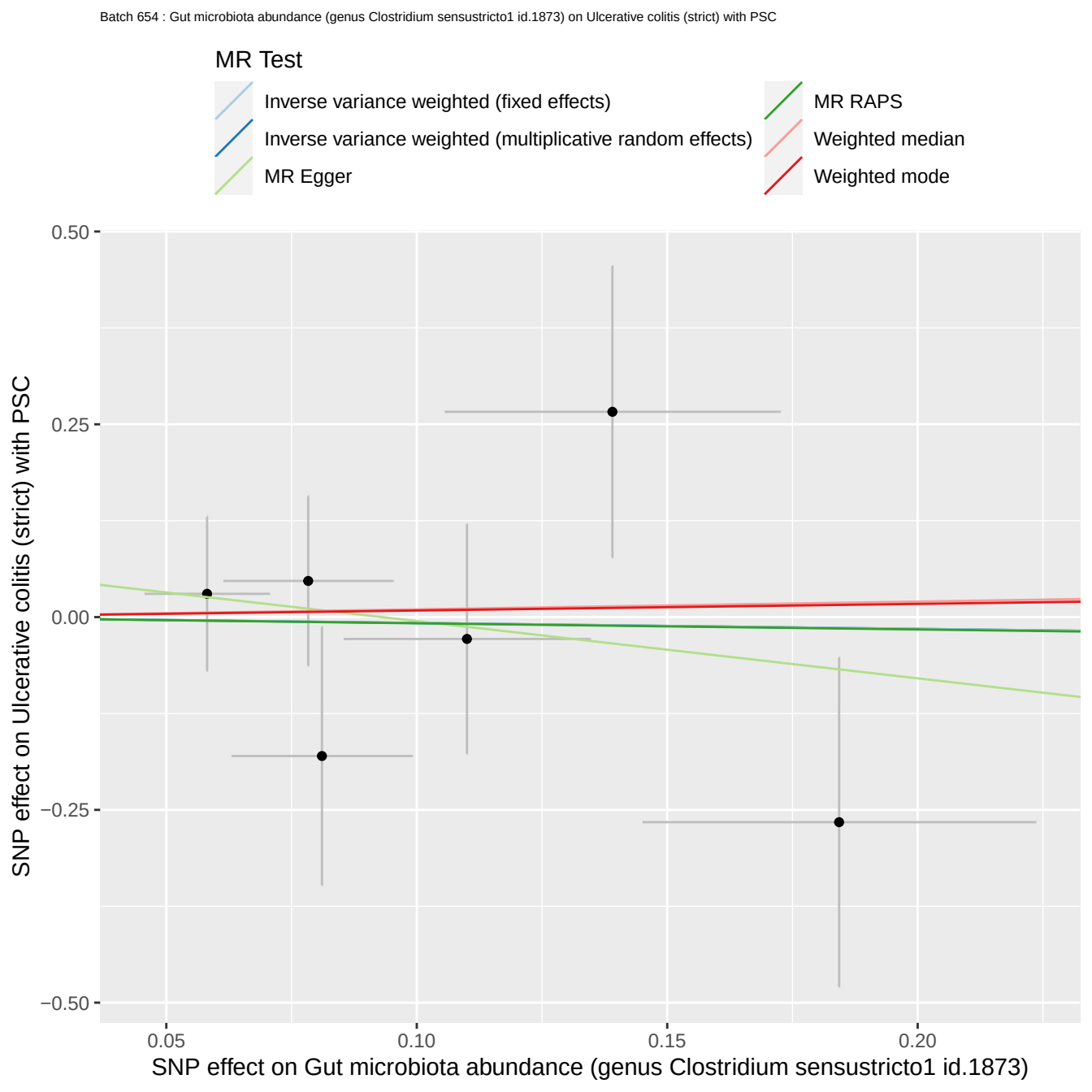

Batch 650 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

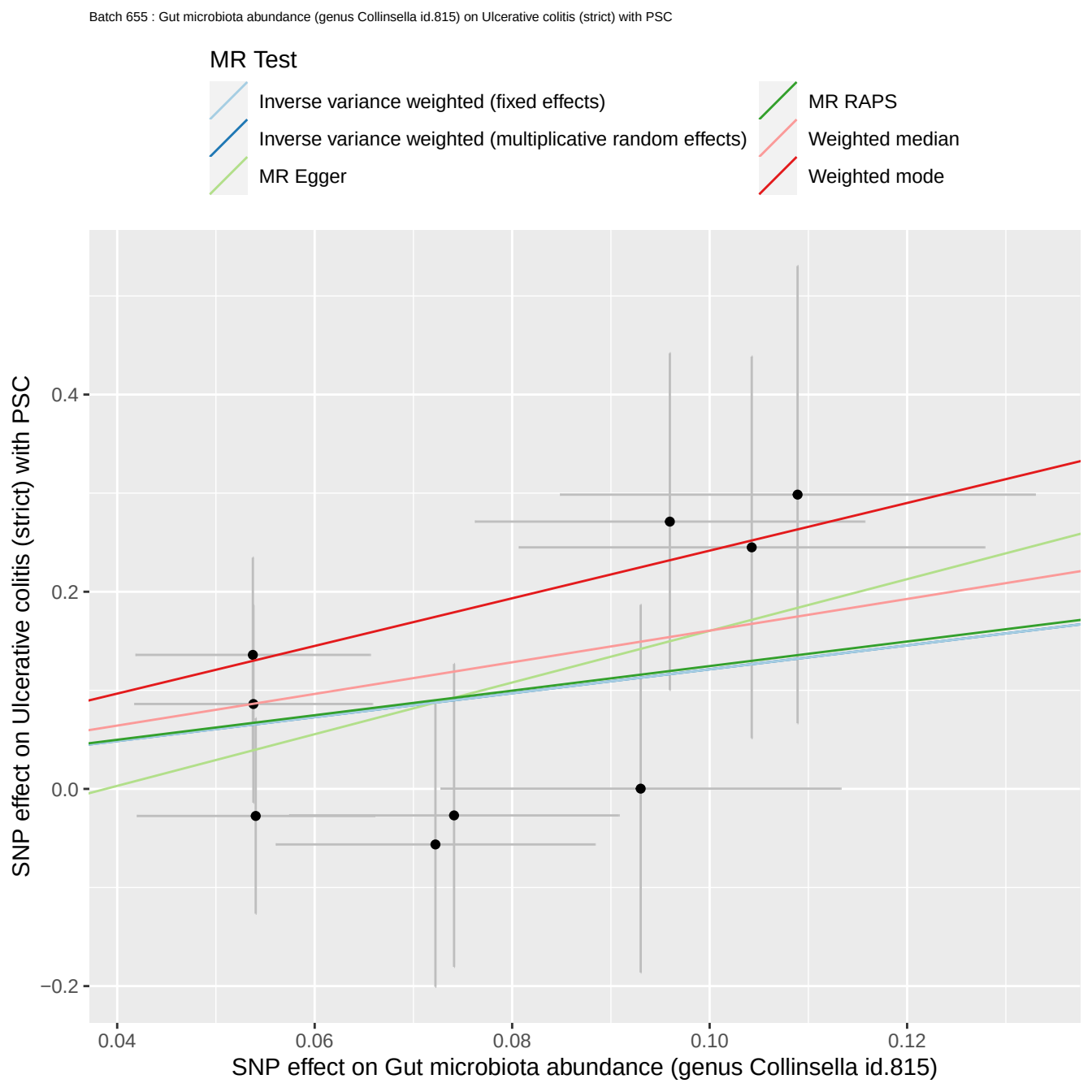
Batch 651 : Gut microbiota abundance (genus Catenibacterium id.2153) on Ulcerative colitis (strict) with PSC

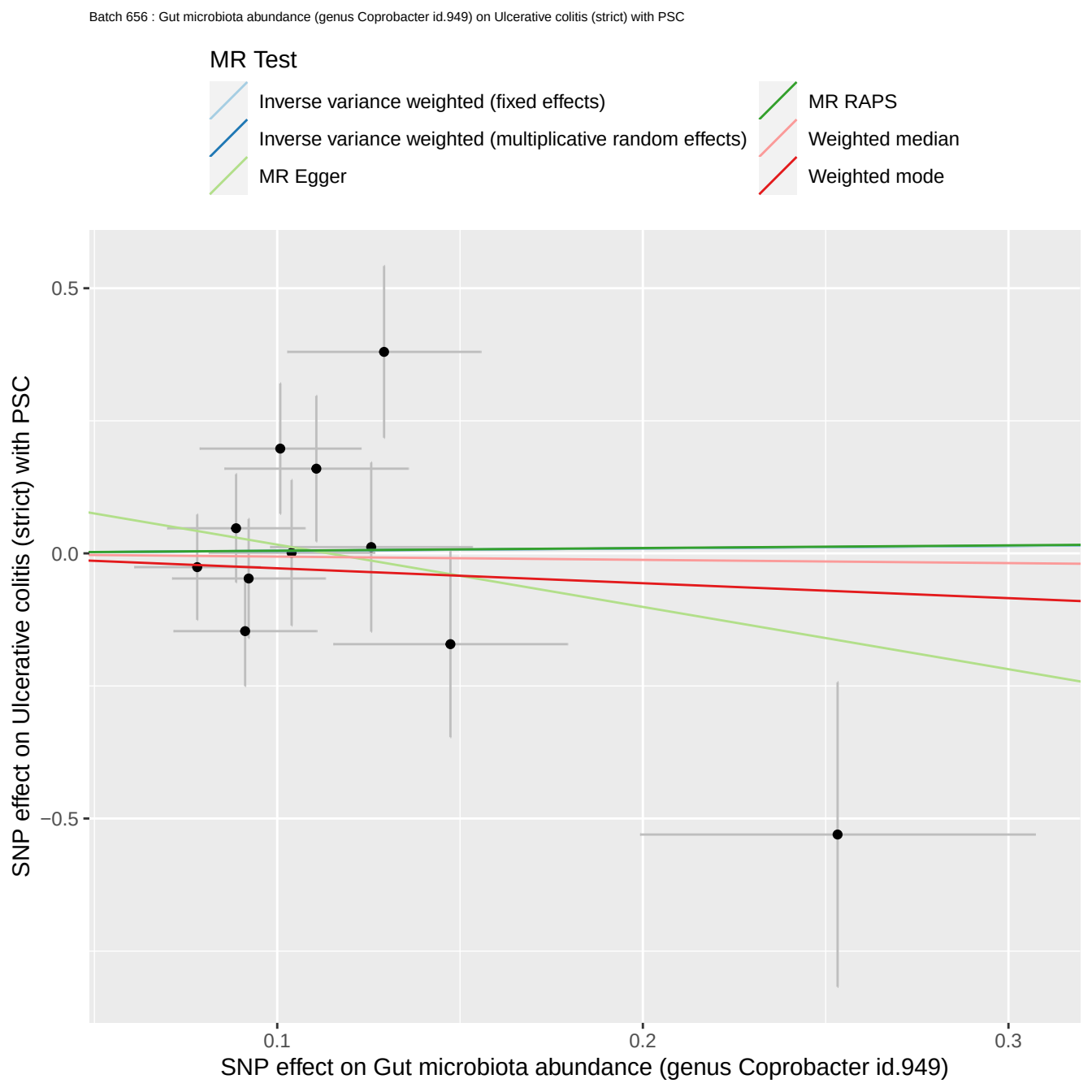


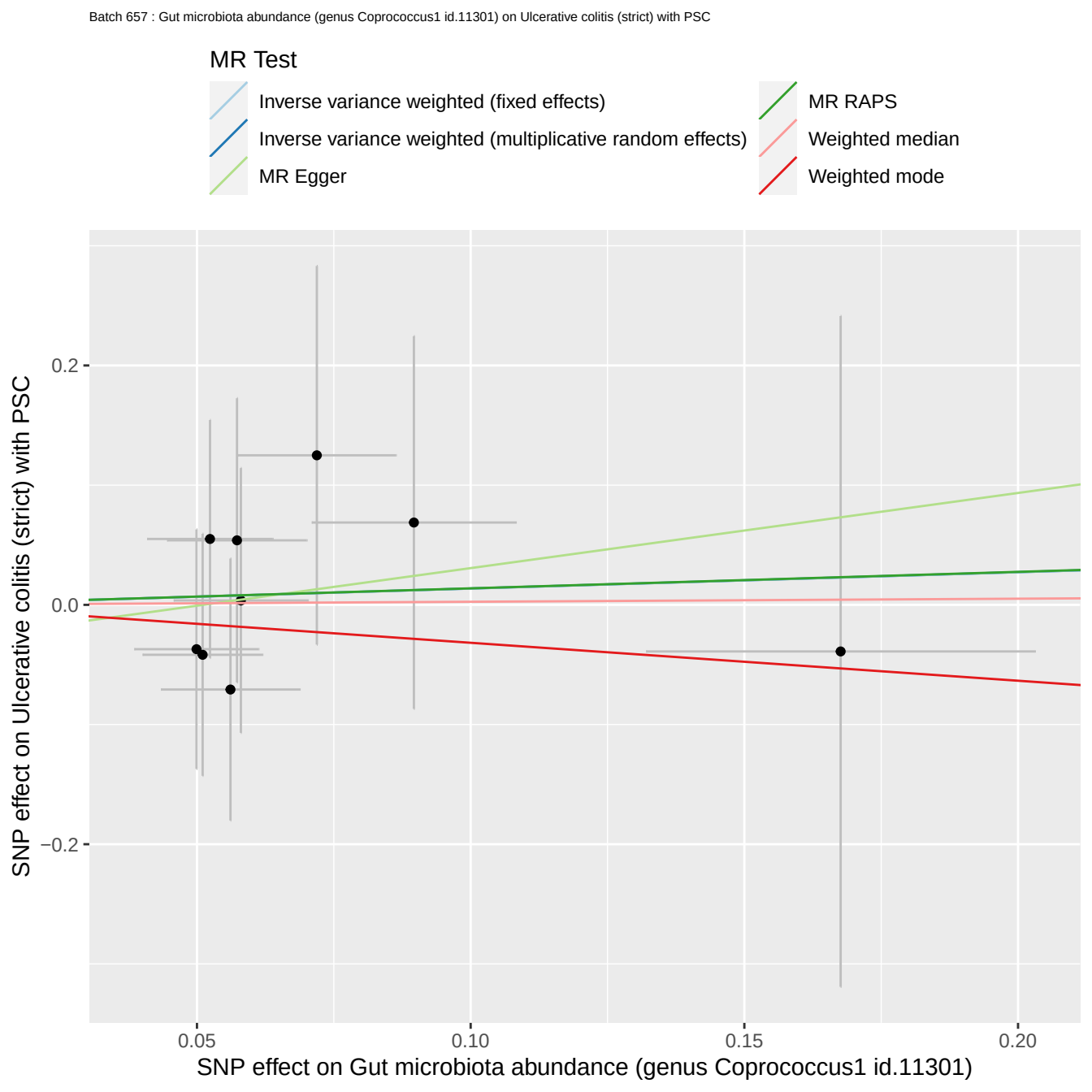

Batch 652 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.5
0.0
−0.5
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Christensenellaceae R 7group id.11283)

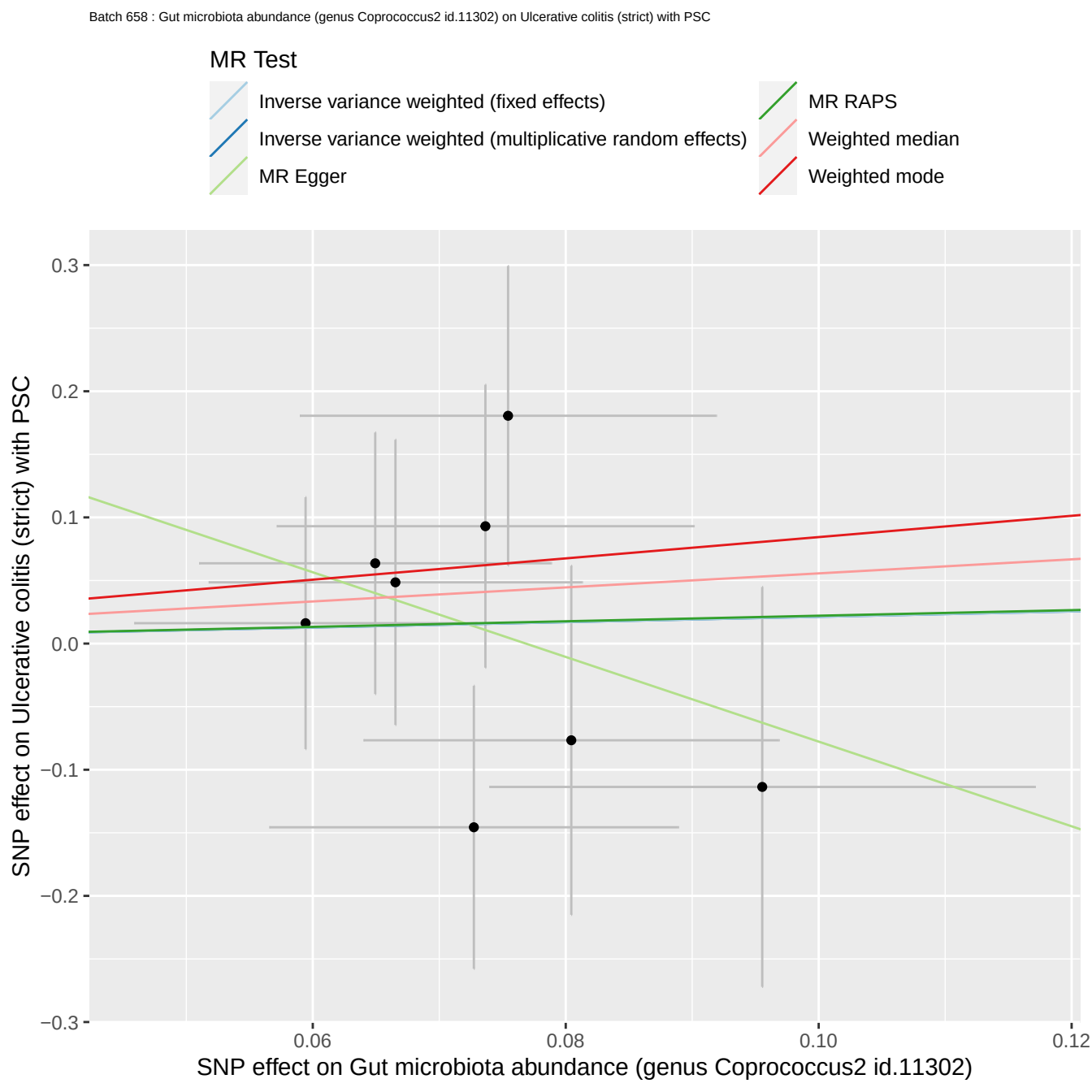

Batch 653 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

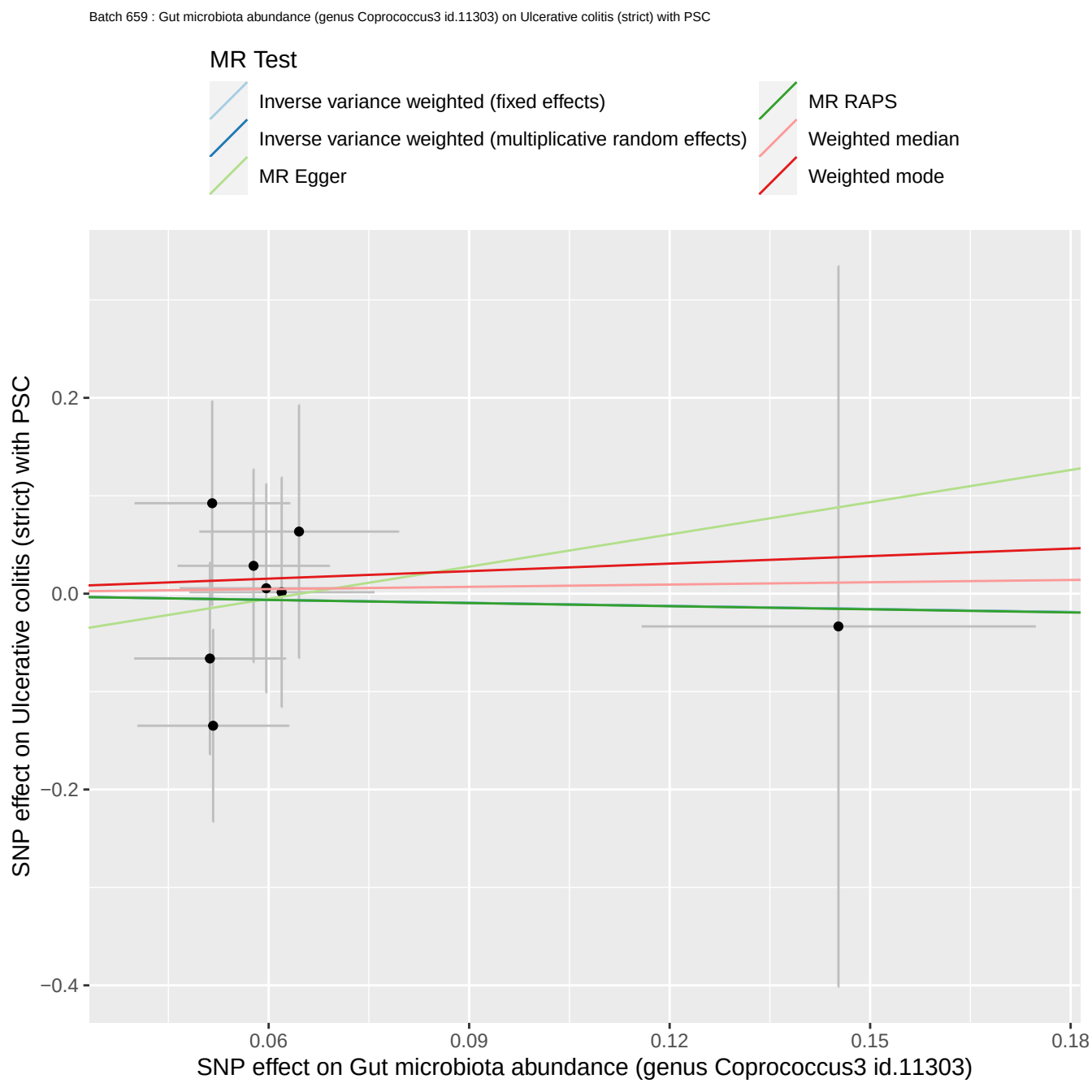

Batch 654 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
−0.50
SNP effect on Ulcerative colitis (strict) with PSC
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

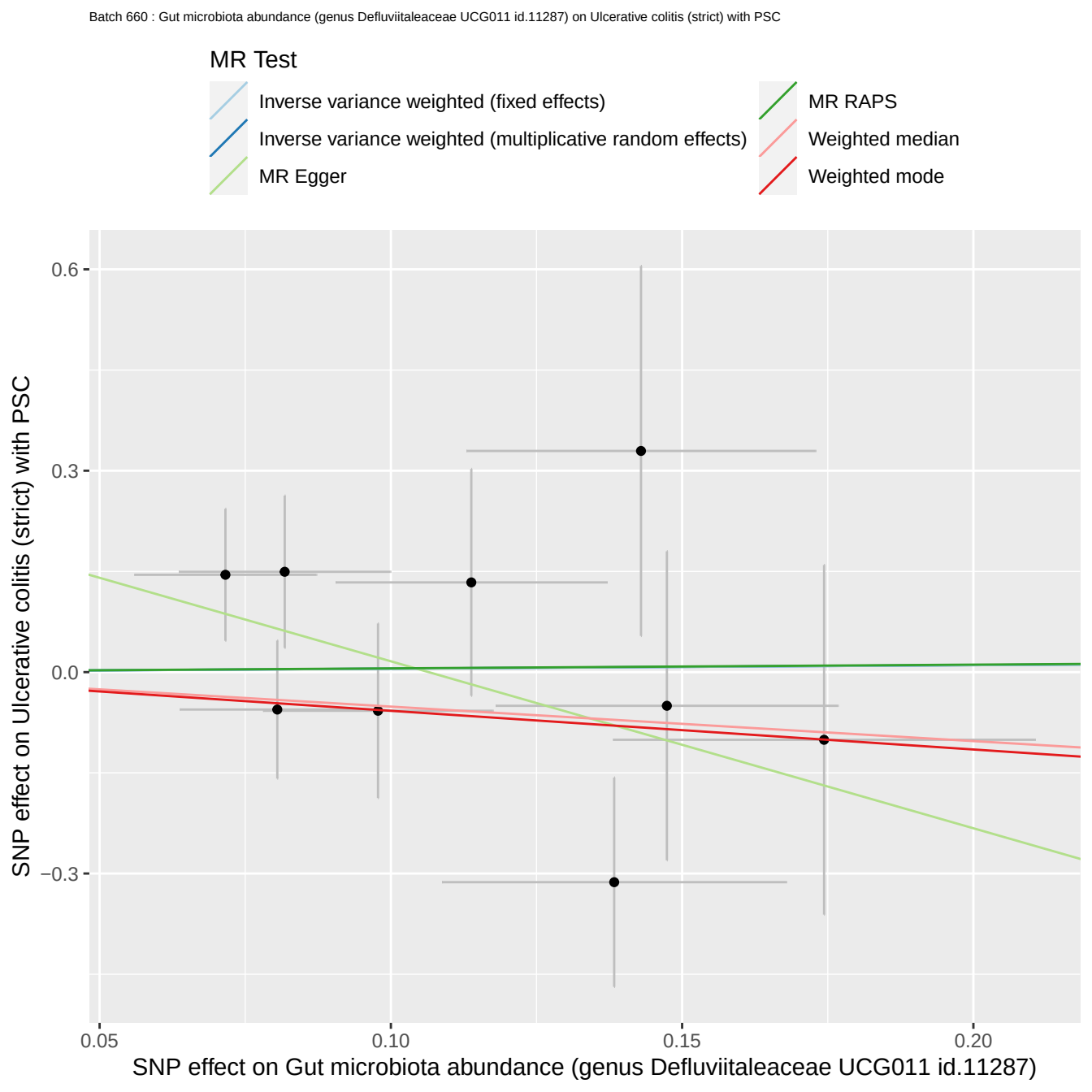

Batch 655 : Gut microbiota abundance (genus Collinsella id.815) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

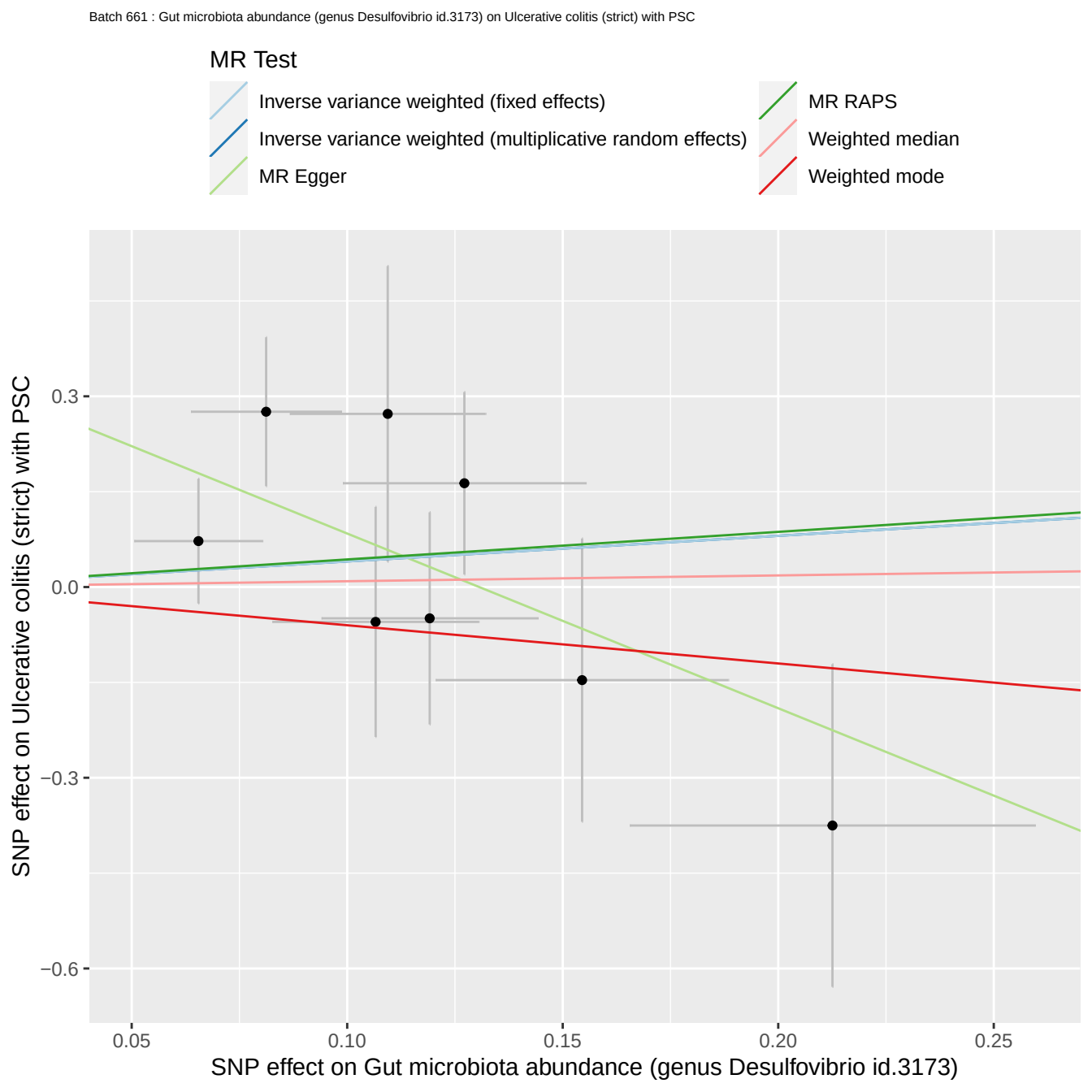

Batch 656 : Gut microbiota abundance (genus Coprobacter id.949) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.5
0.0
−0.5
SNP effect on Ulcerative colitis (strict) with PSC
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)


Batch 657 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

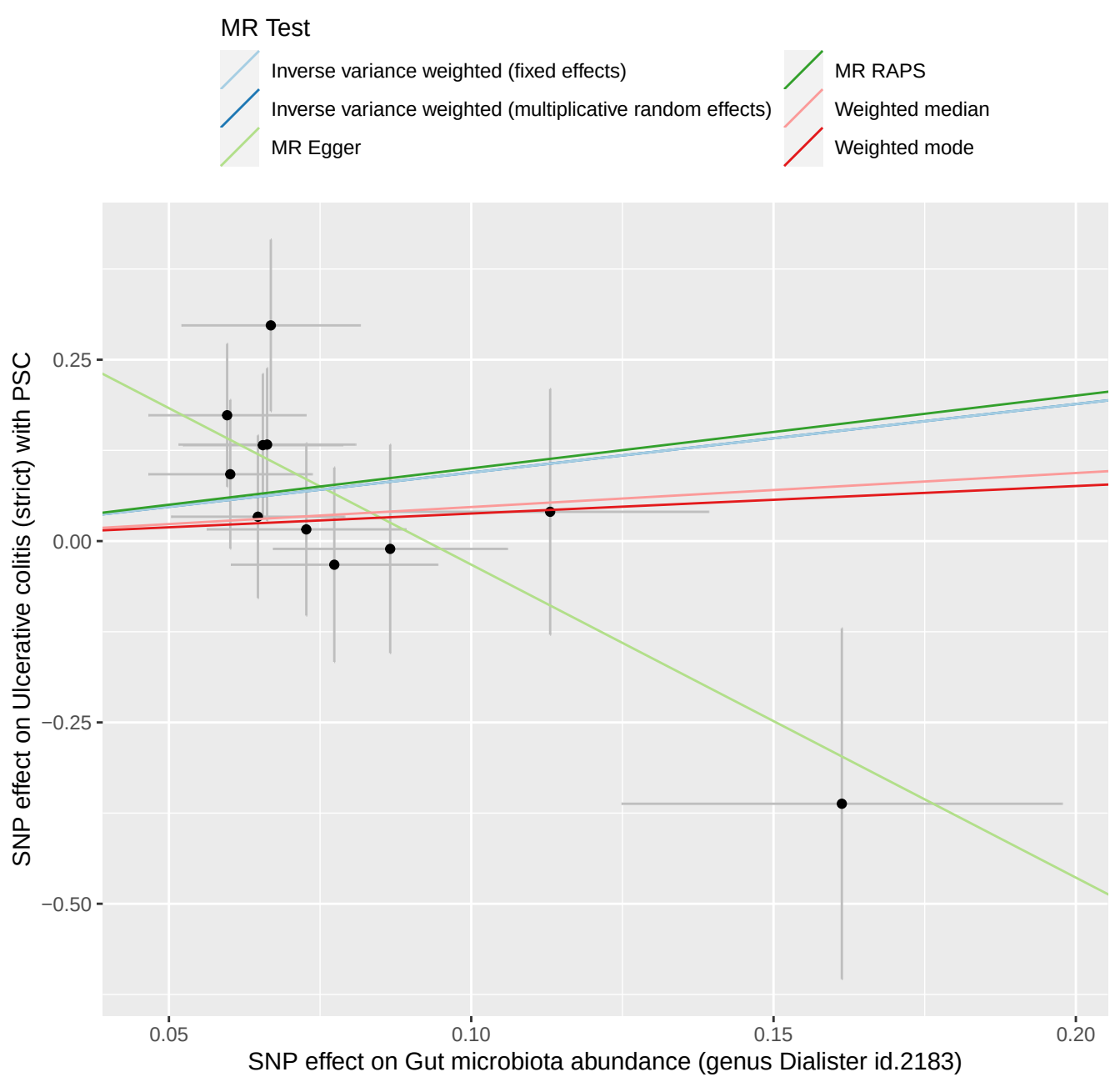

Batch 658 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)


Batch 659 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

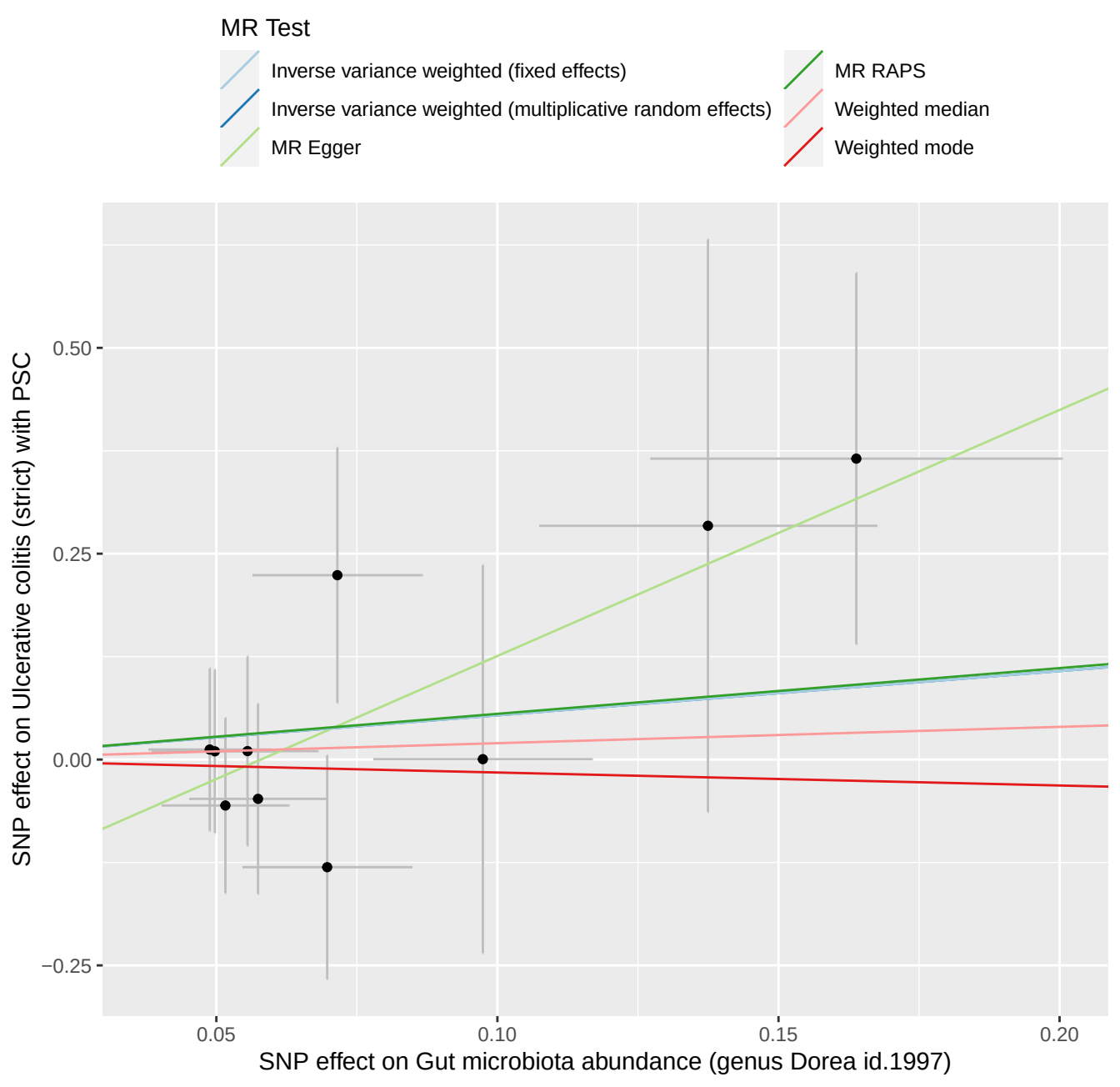

Batch 660 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.6
0.3
0.0
−0.3
SNP effect on Ulcerative colitis (strict) with PSC
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

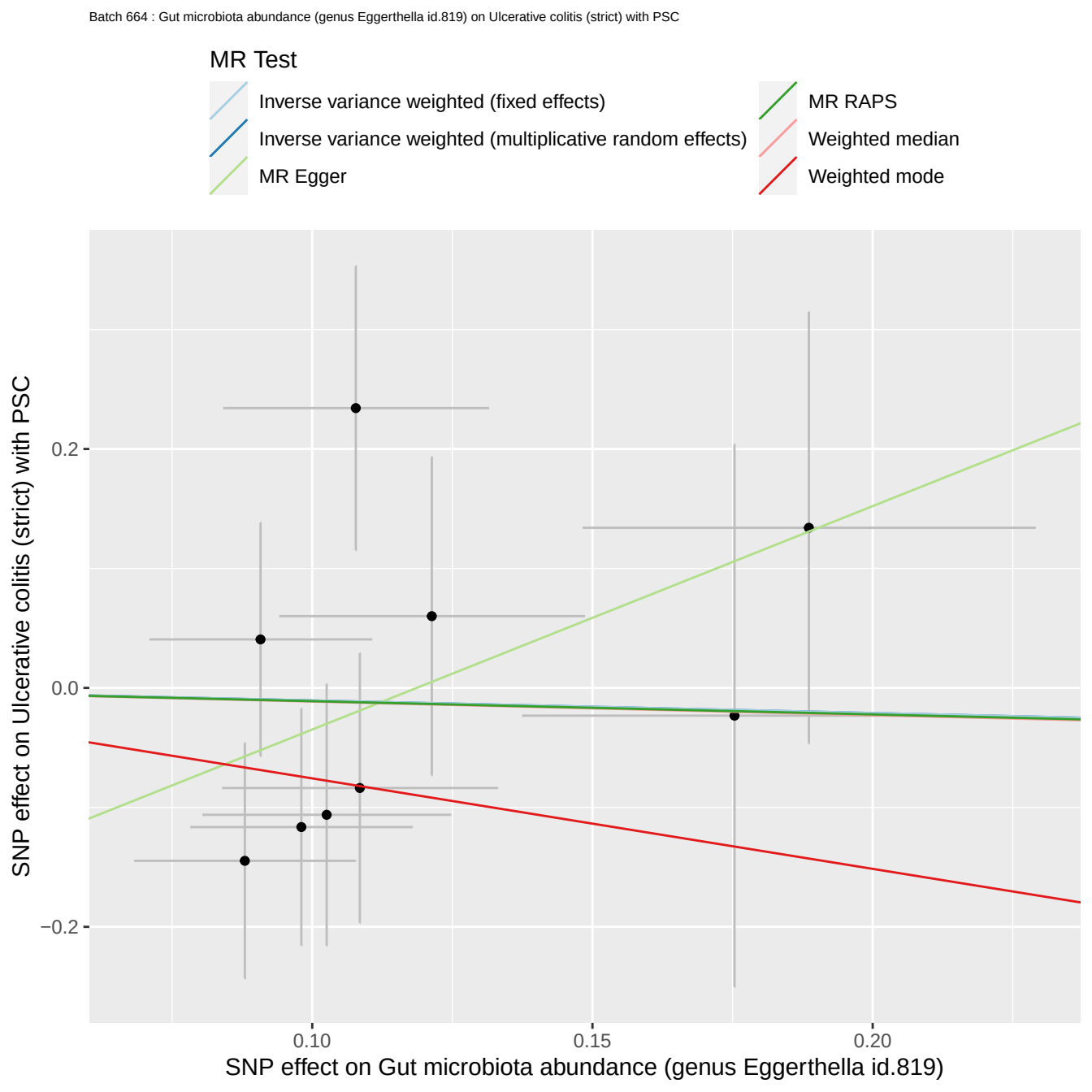

Batch 661 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.0
−0.3
−0.6
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

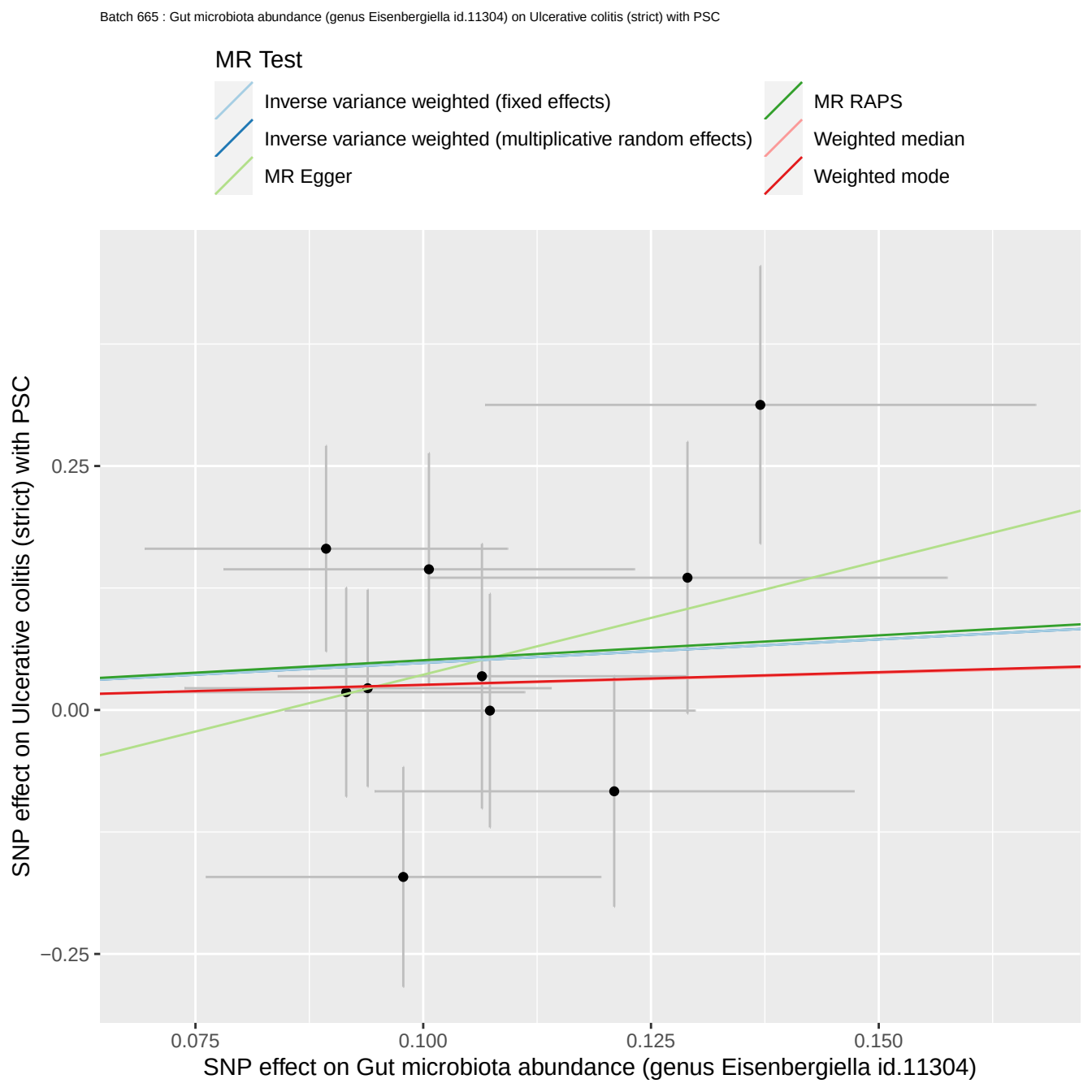
Batch 662 : Gut microbiota abundance (genus Dialister id.2183) on Ulcerative colitis (strict) with PSC

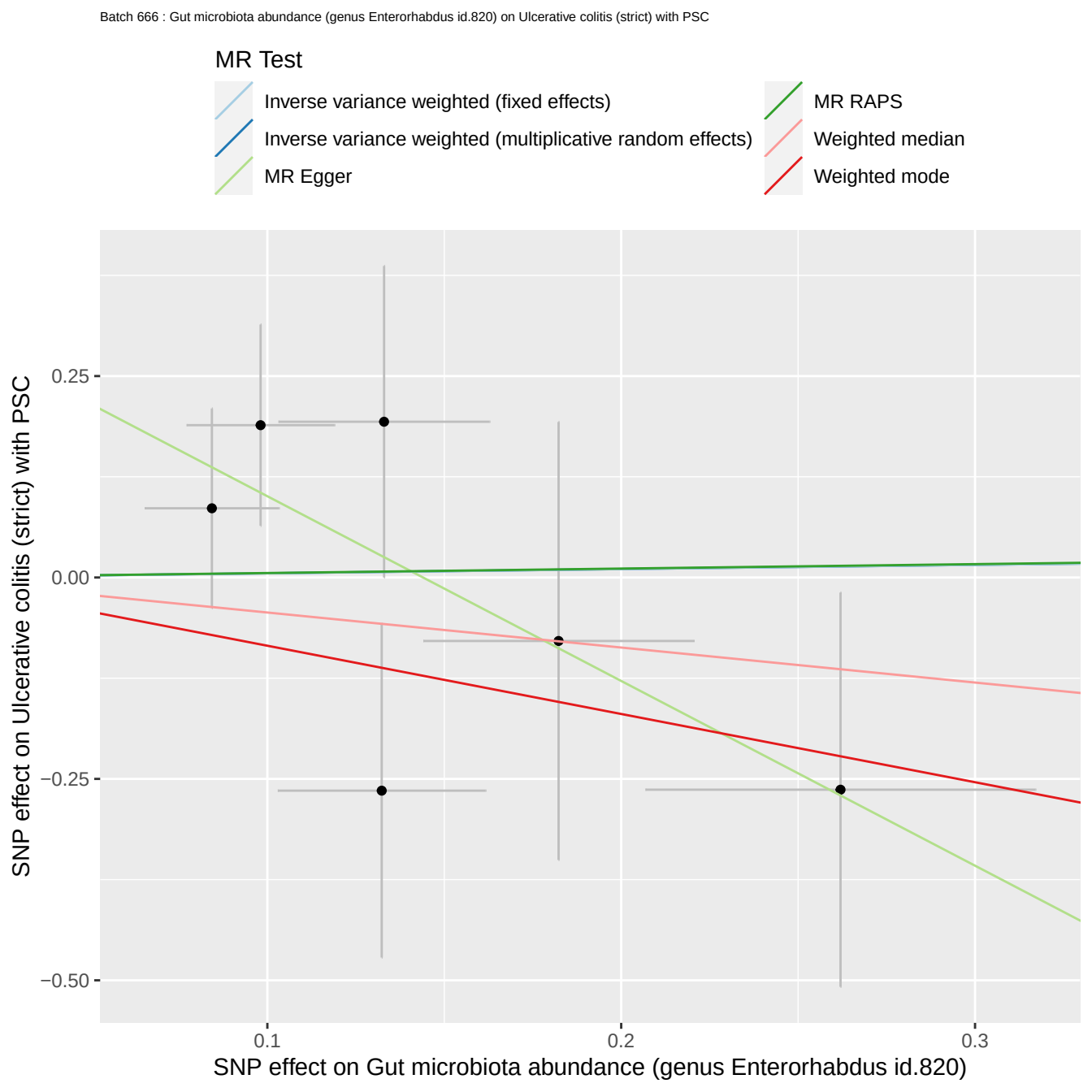


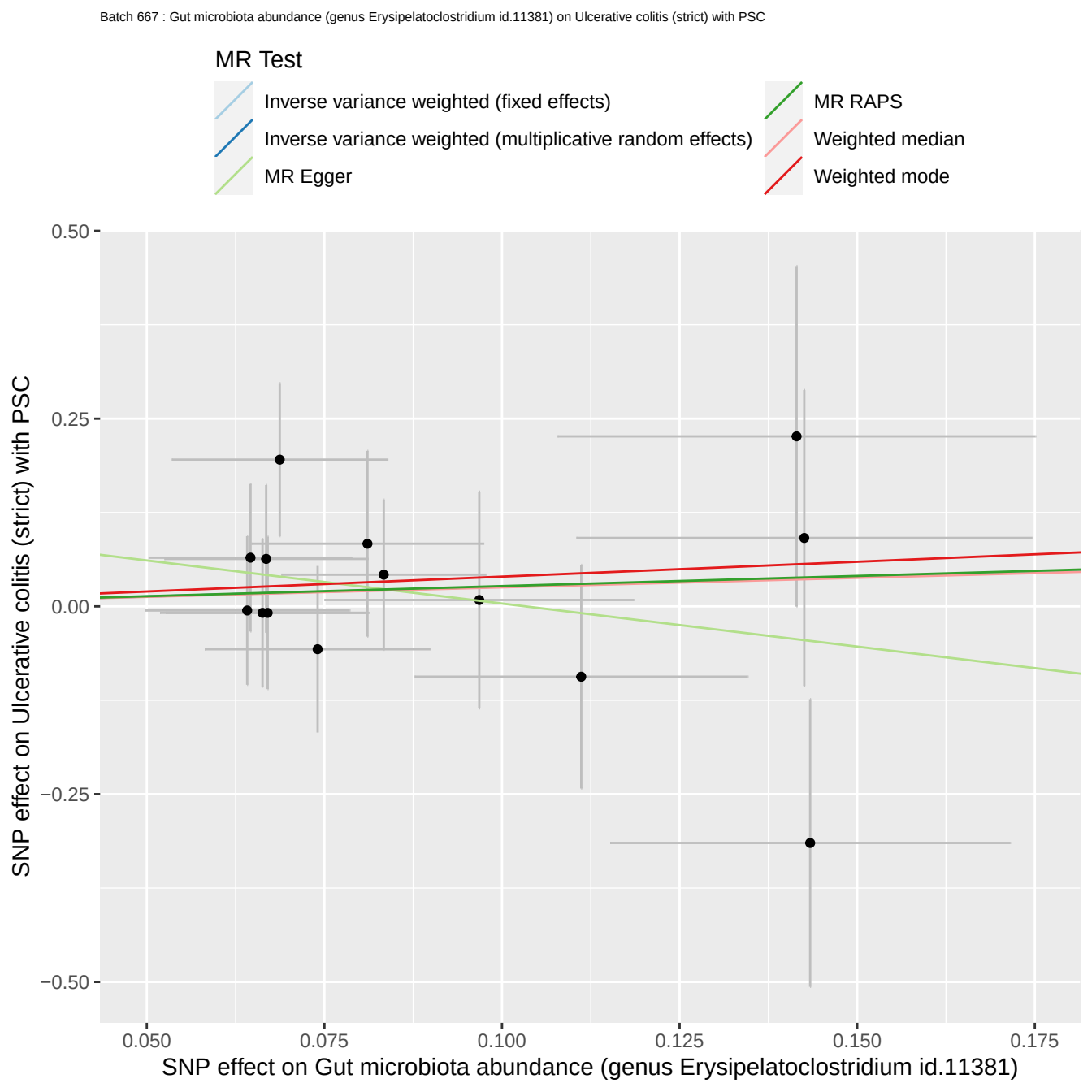
Batch 663 : Gut microbiota abundance (genus Dorea id.1997) on Ulcerative colitis (strict) with PSC



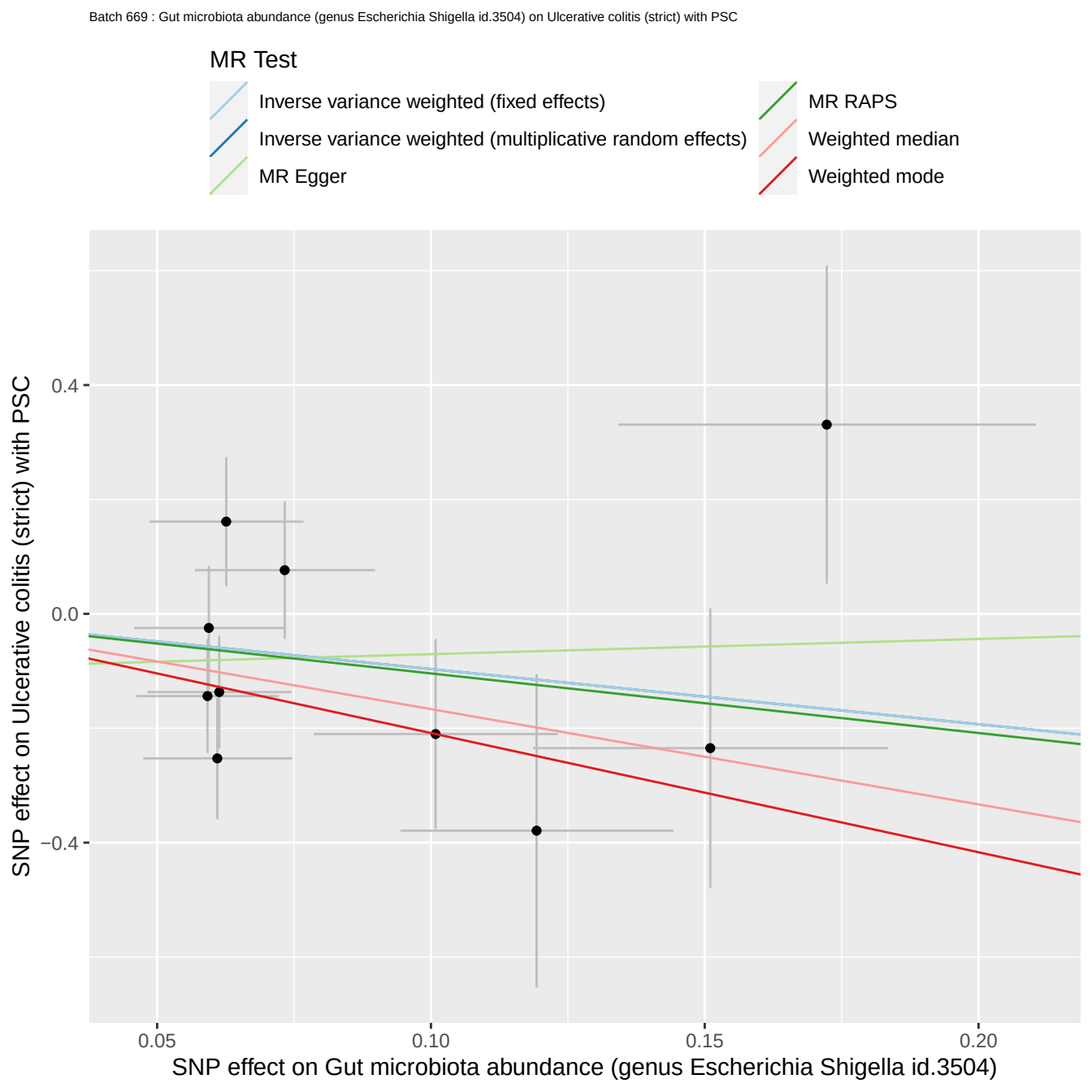

Batch 664 : Gut microbiota abundance (genus Eggerthella id.819) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

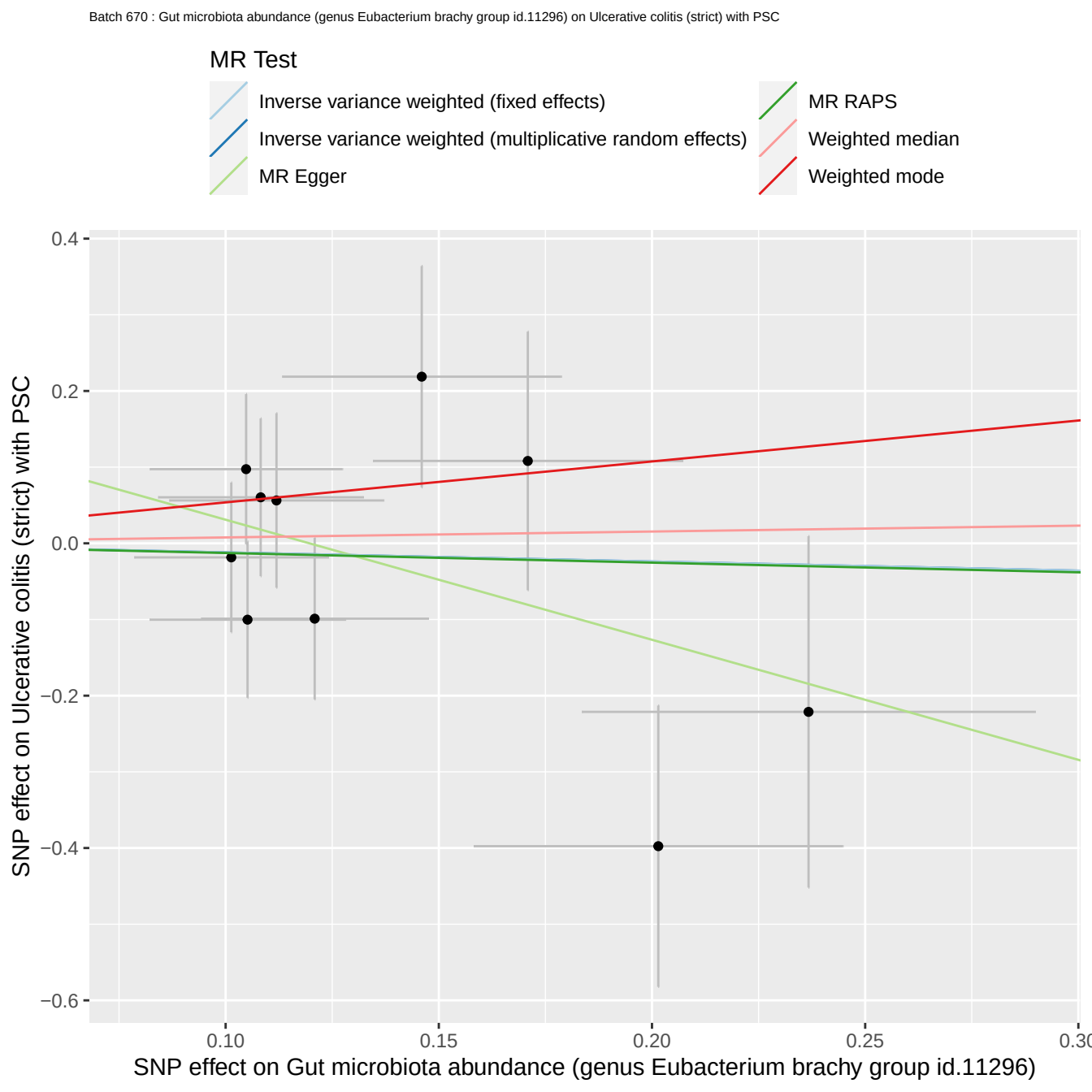

Batch 665 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

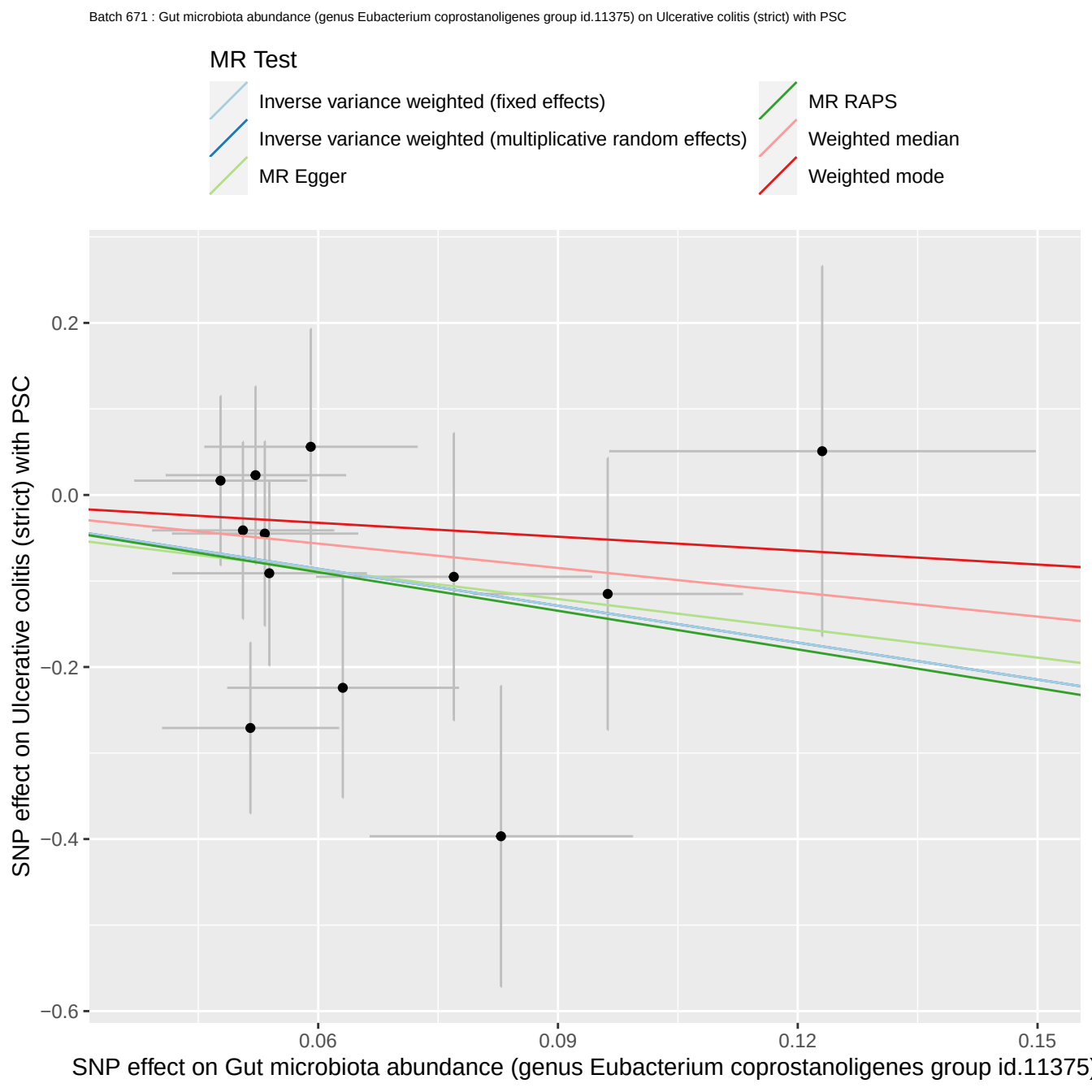

Batch 666 : Gut microbiota abundance (genus Enterorhabdus id.820) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)

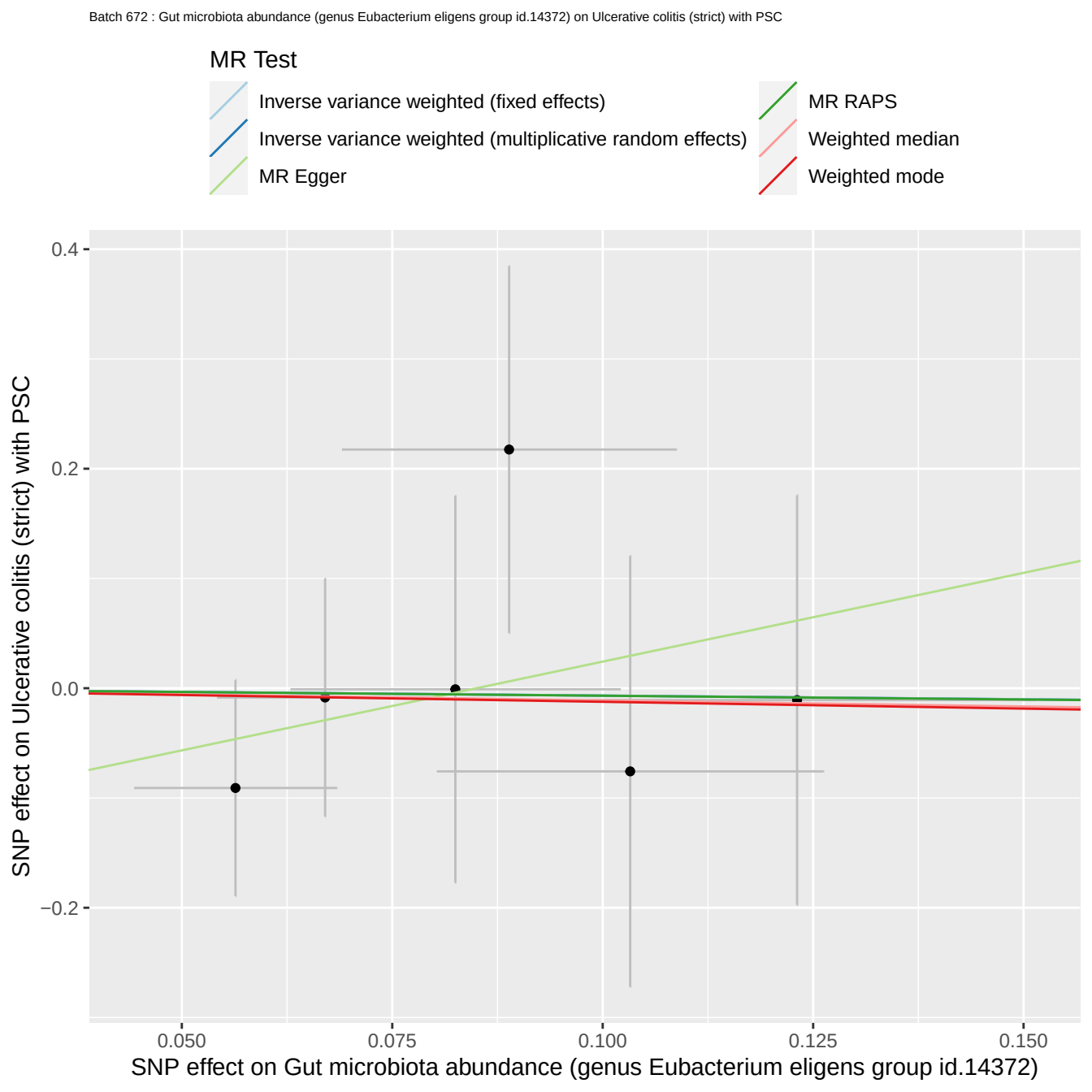

Batch 667 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
−0.50
SNP effect on Ulcerative colitis (strict) with PSC
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

Insufficient number of SNPs

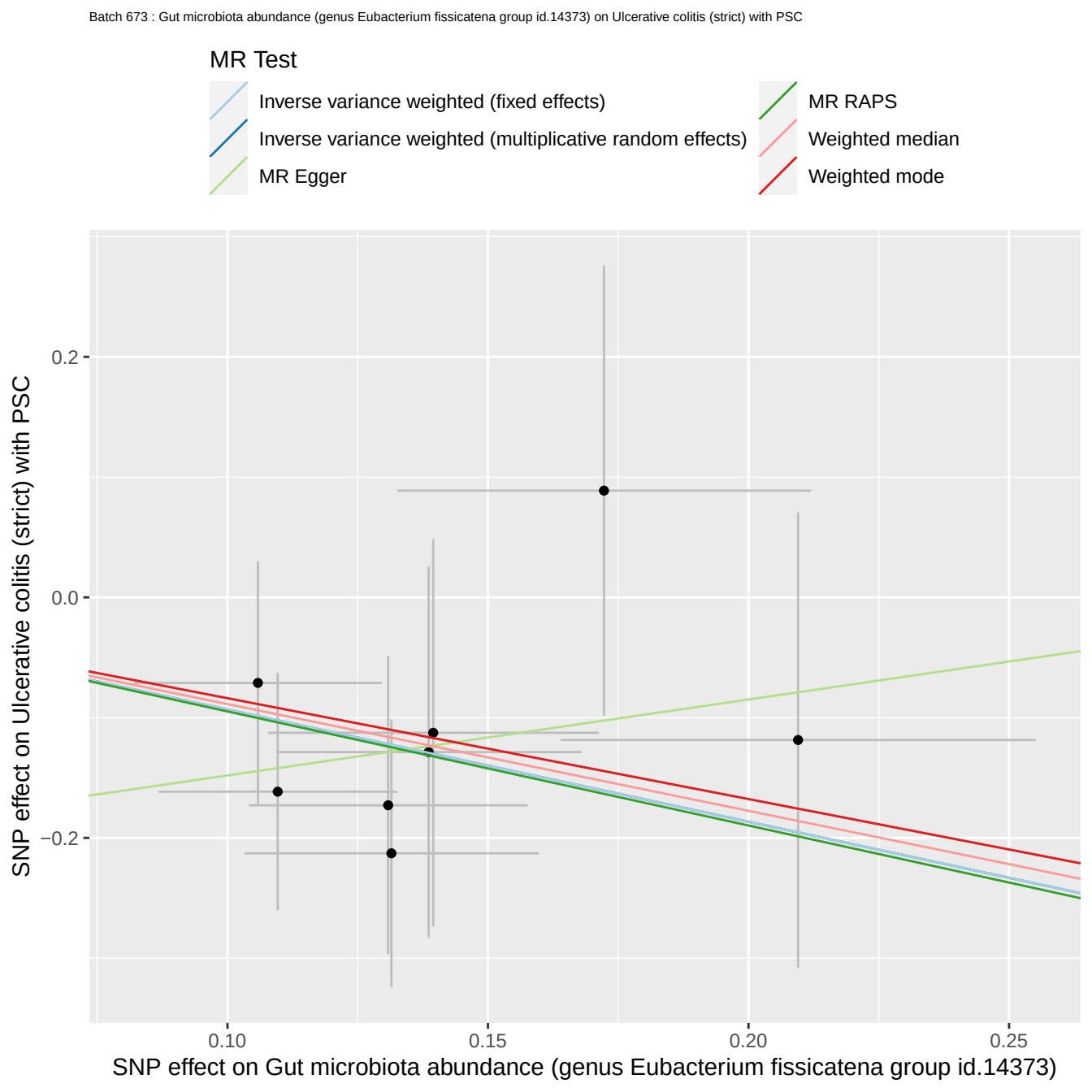

Batch 669 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

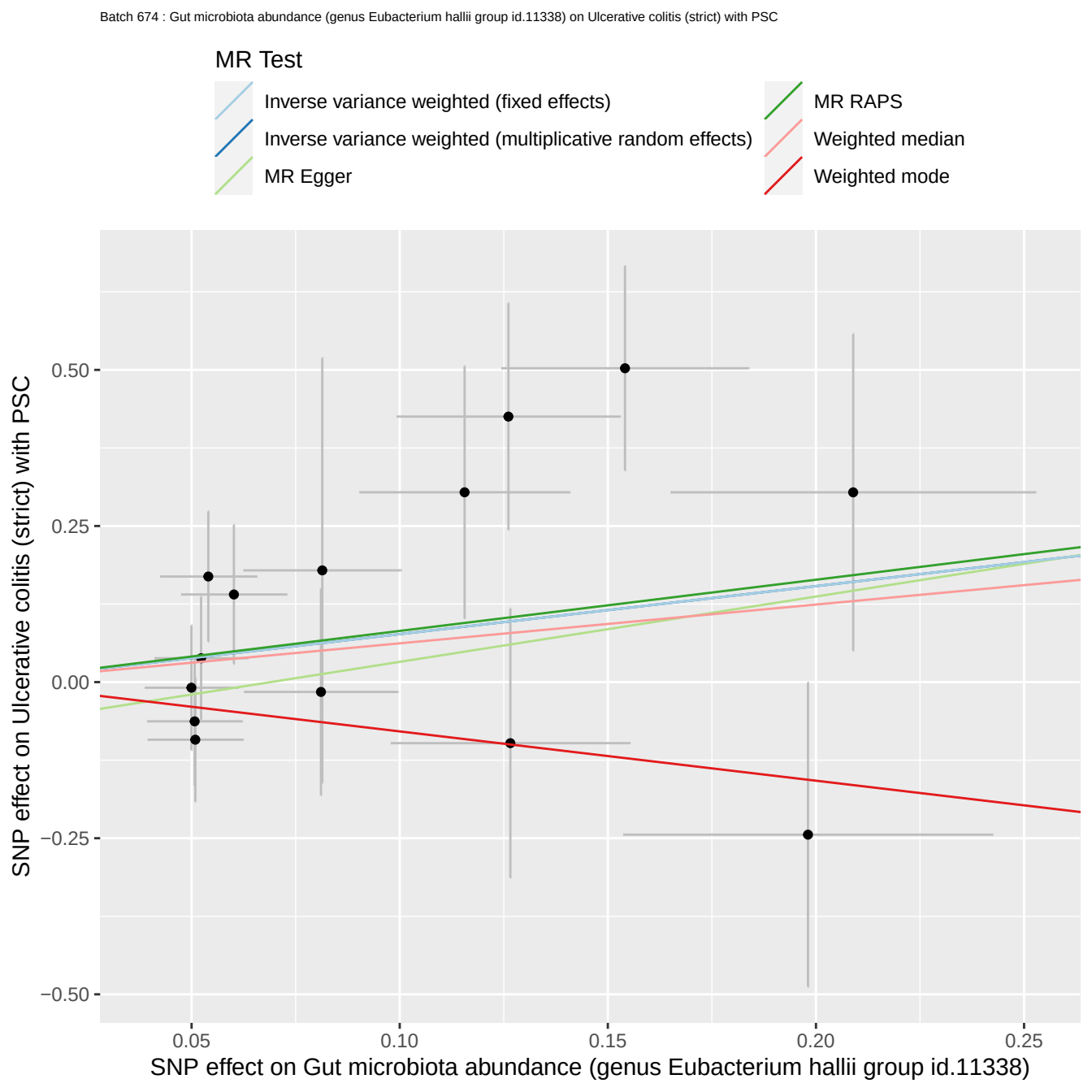

Batch 670 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

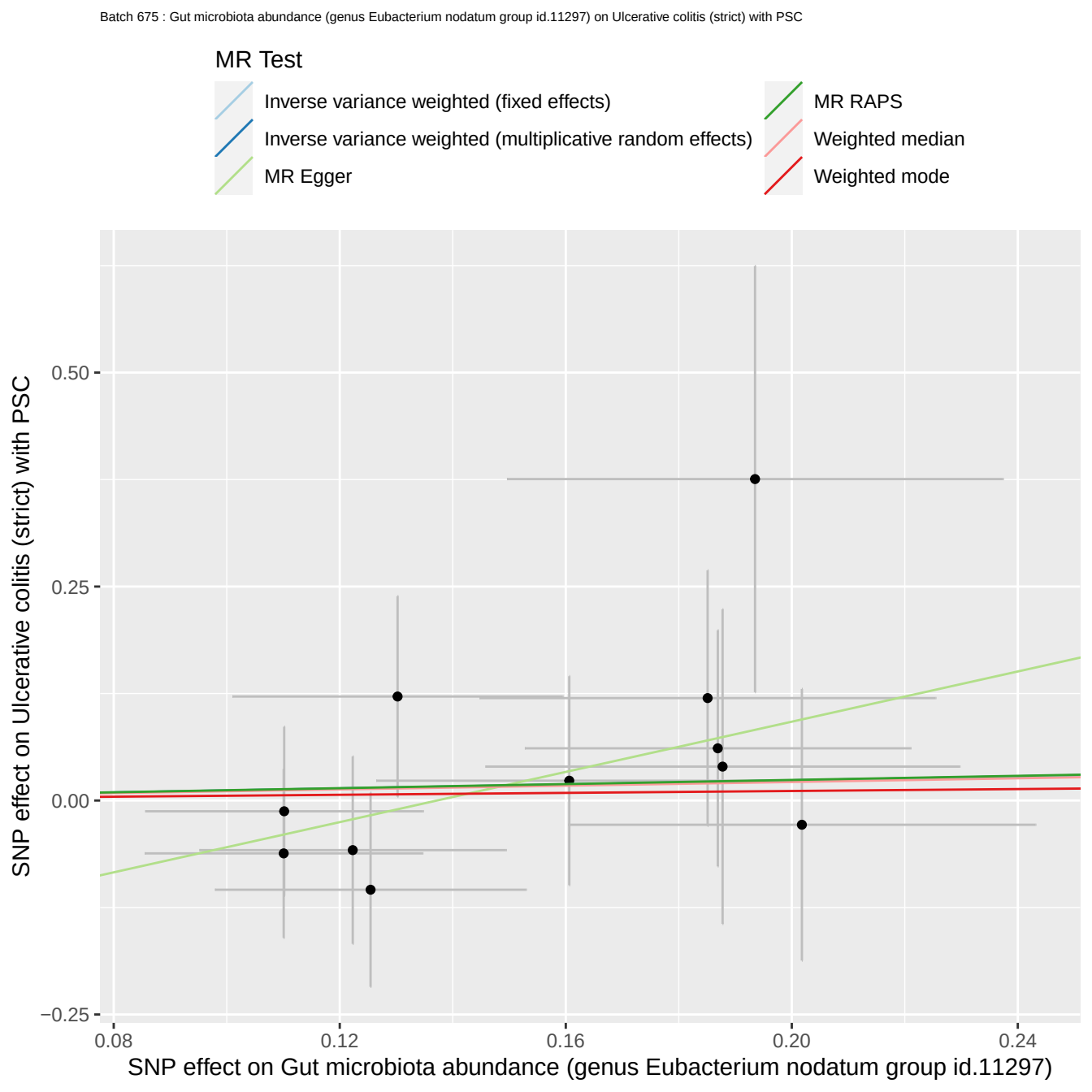

Batch 671 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
−0.6
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375)


Batch 672 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

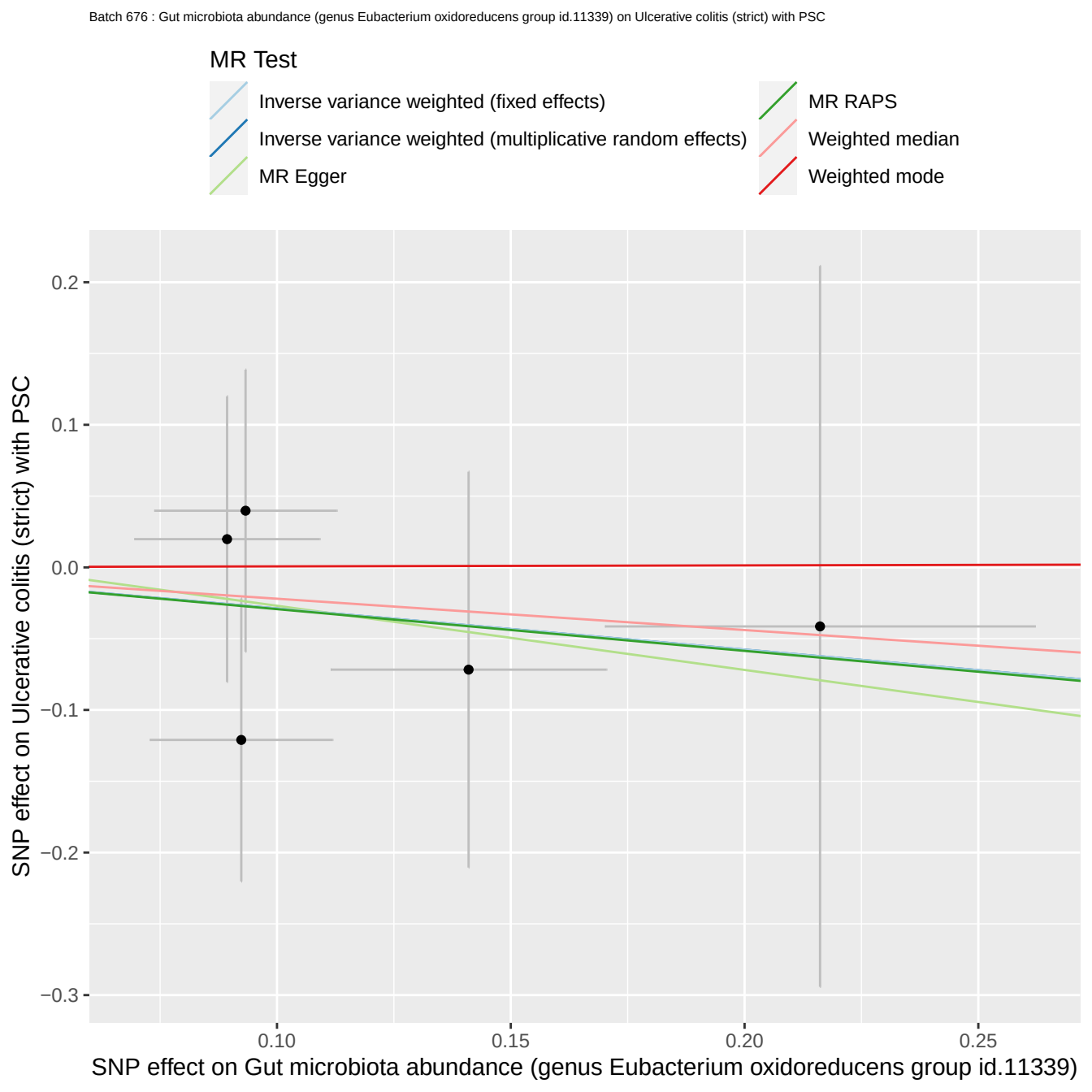
Batch 673 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Ulcerative colitis (strict) with PSC



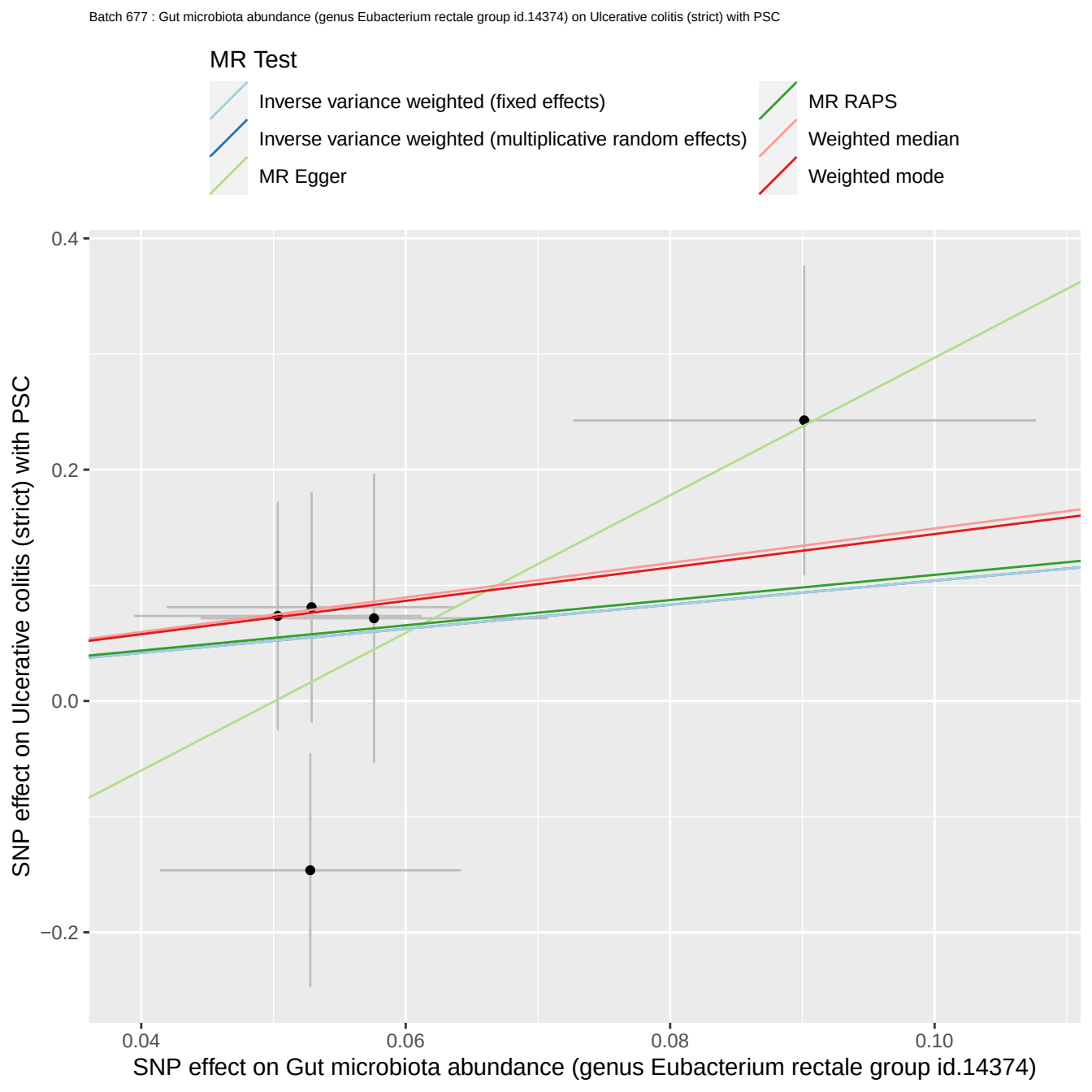

Batch 674 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.50
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium hallii group id.11338)

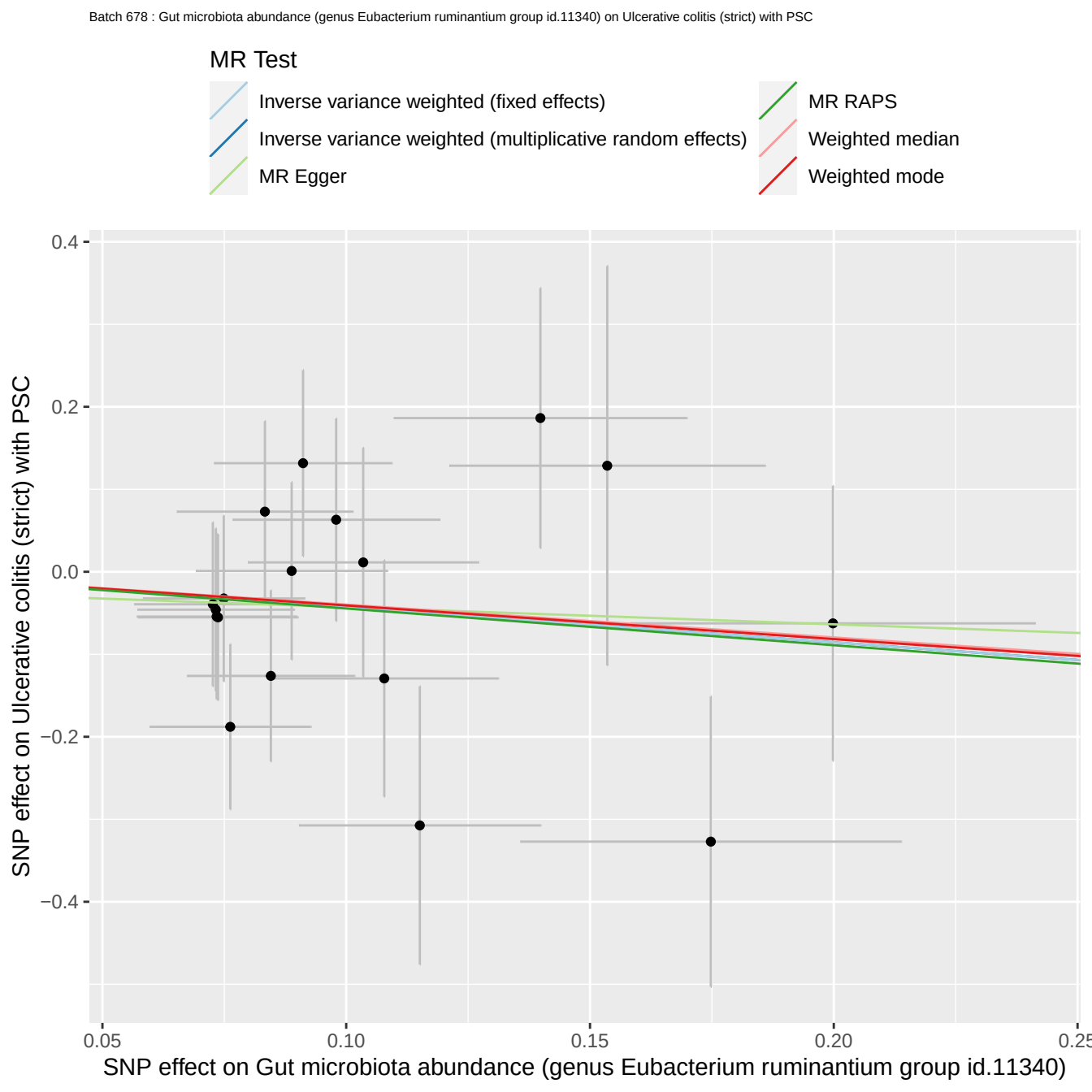

Batch 675 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.50
0.25
0.00
−0.25
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Eubacterium nodatum group id.11297)

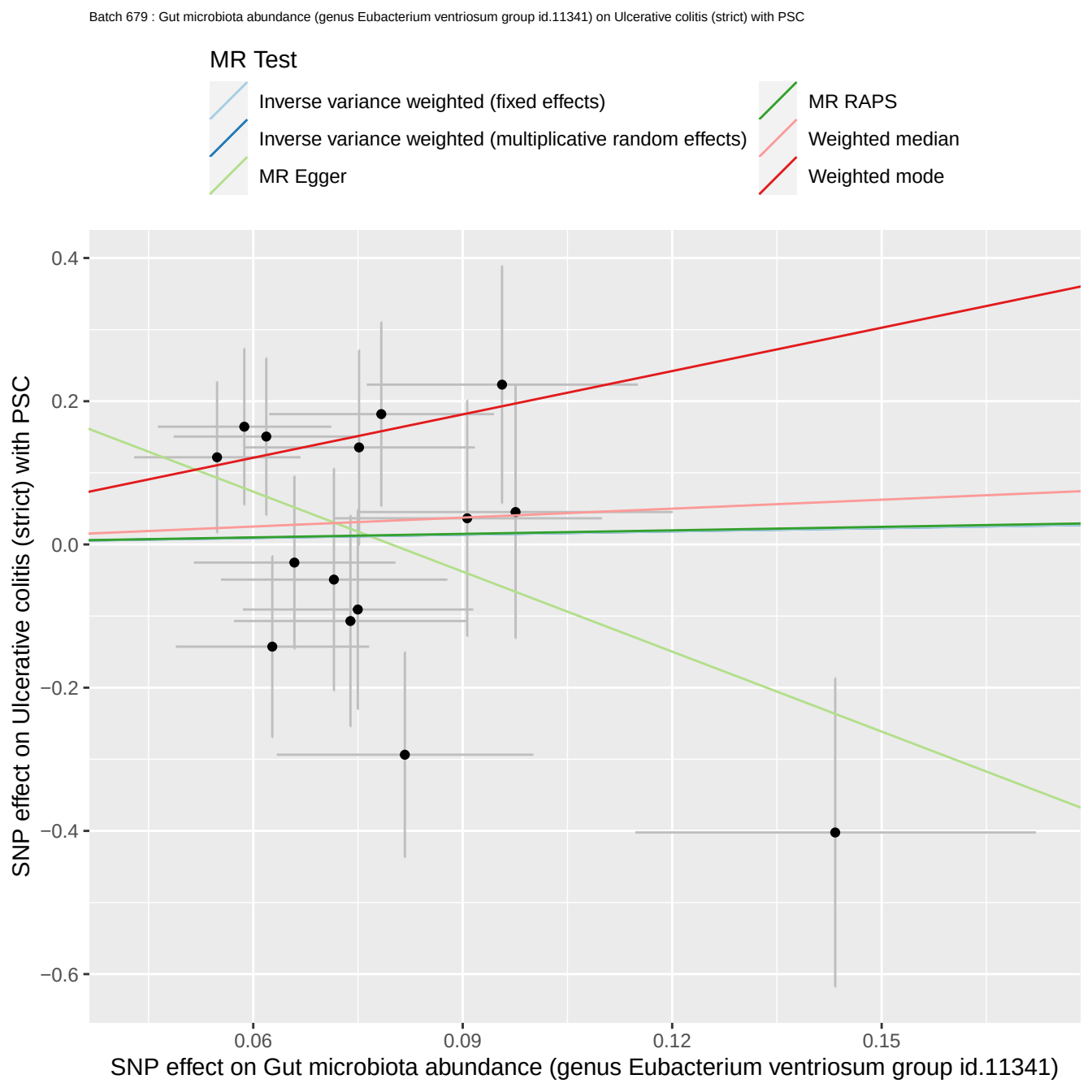
Batch 676 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Ulcerative colitis (strict) with PSC



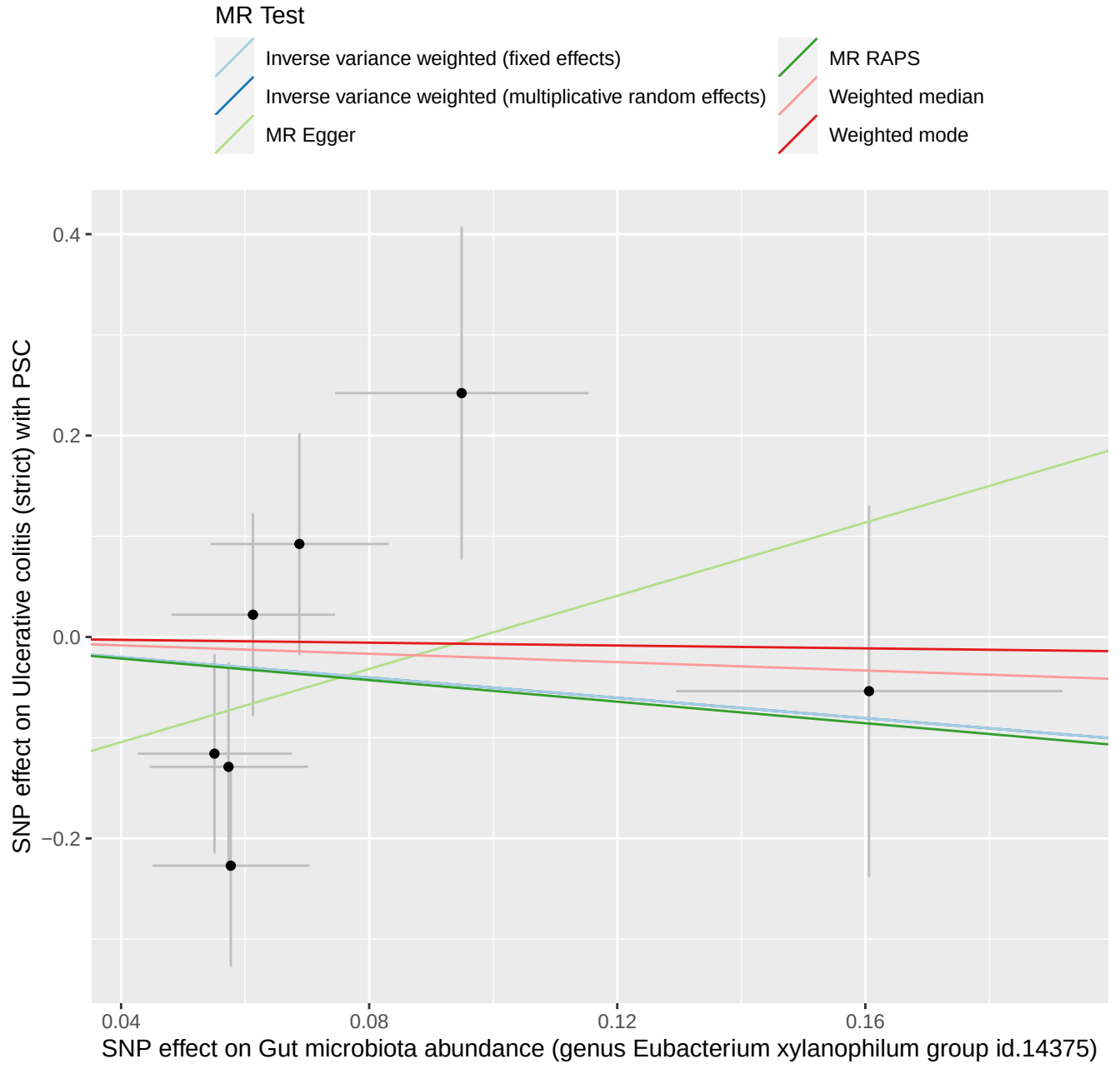
Batch 677 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Ulcerative colitis (strict) with PSC

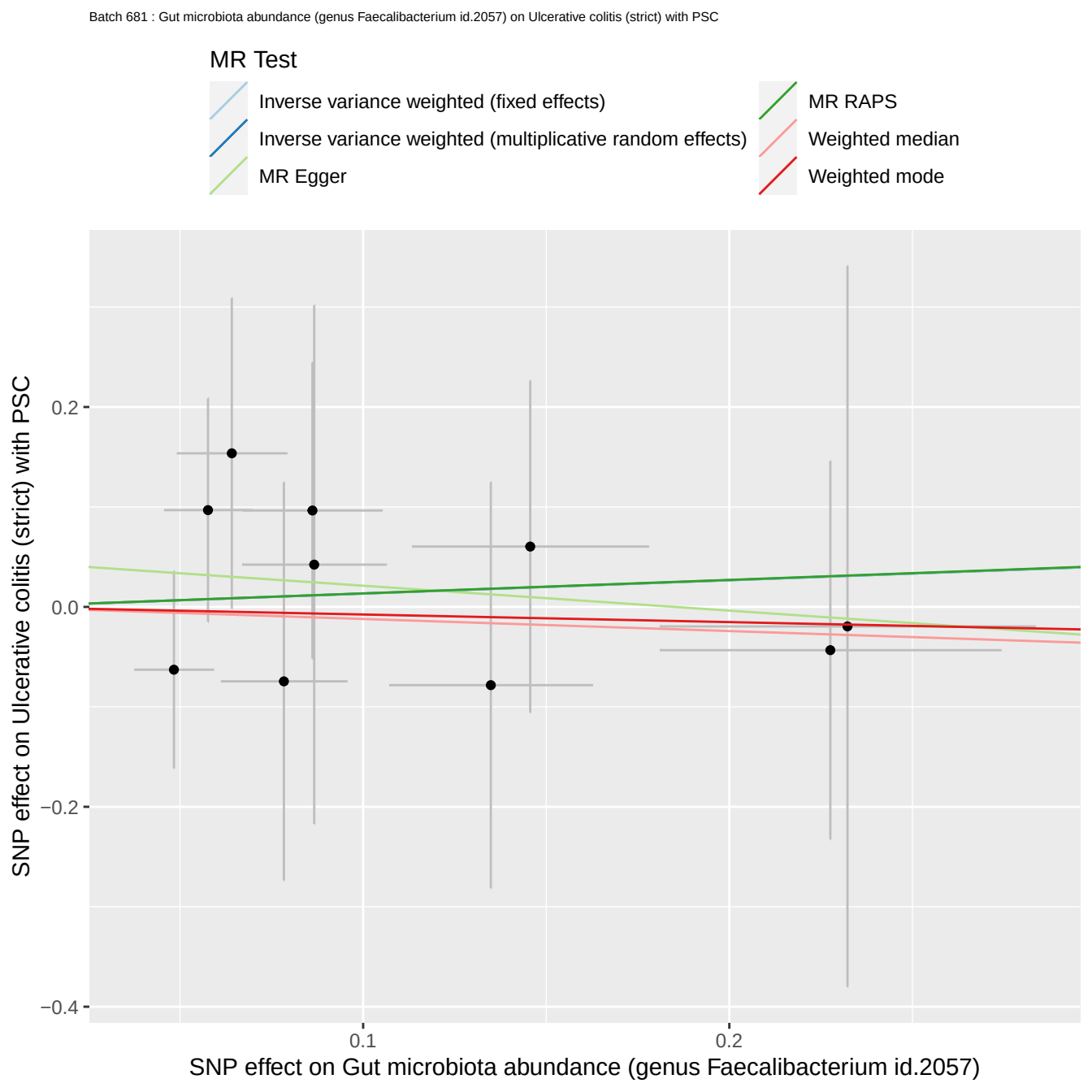


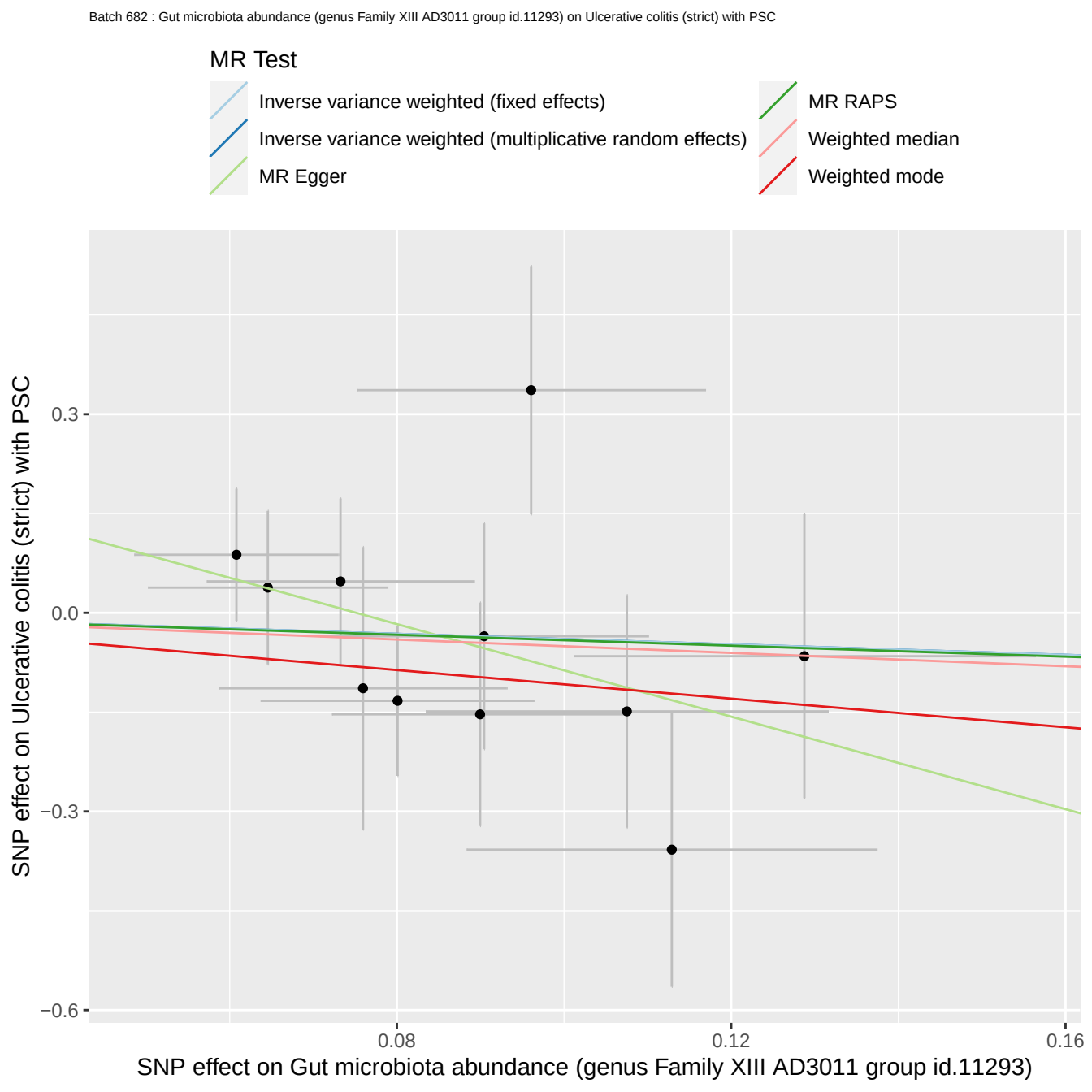

Batch 678 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

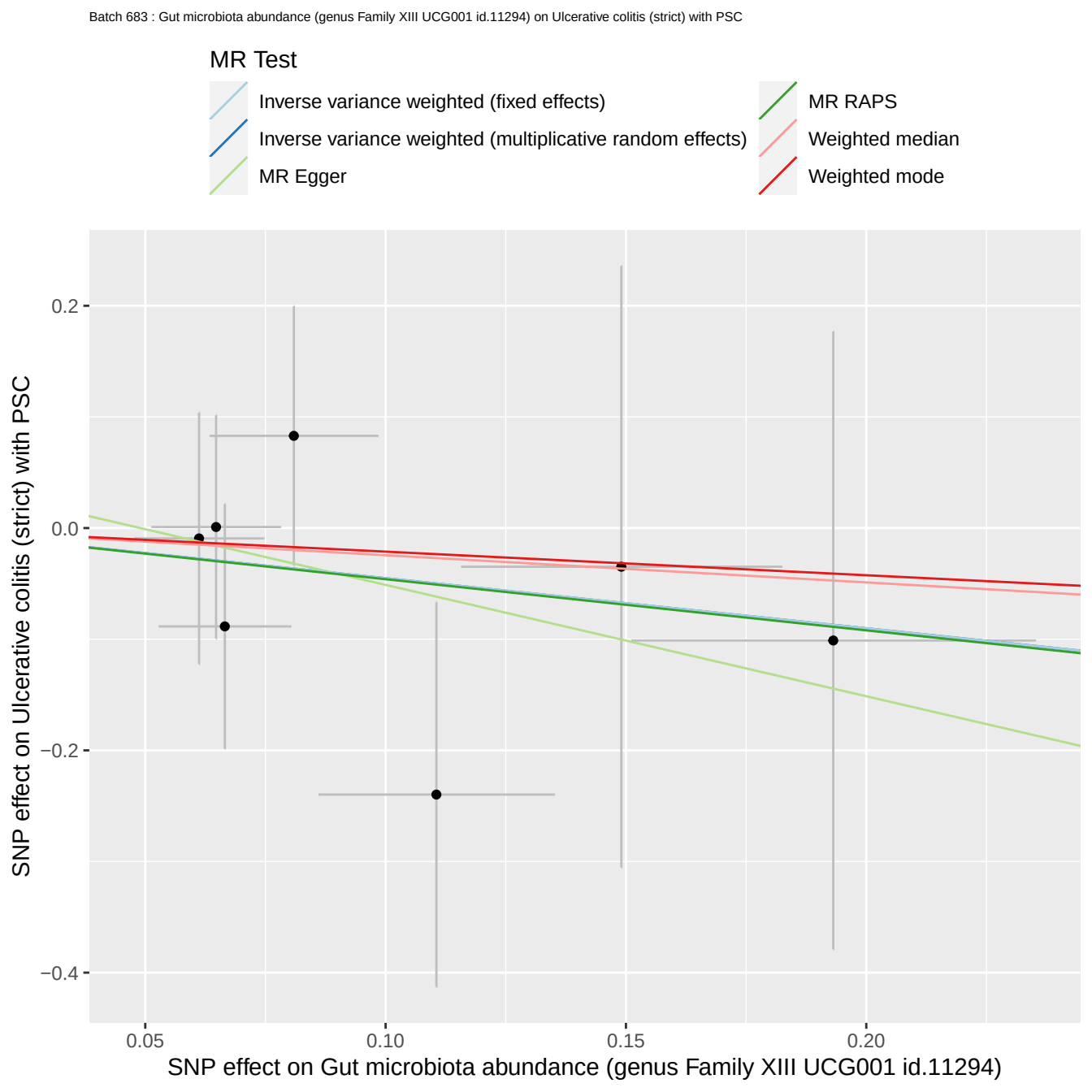

Batch 679 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

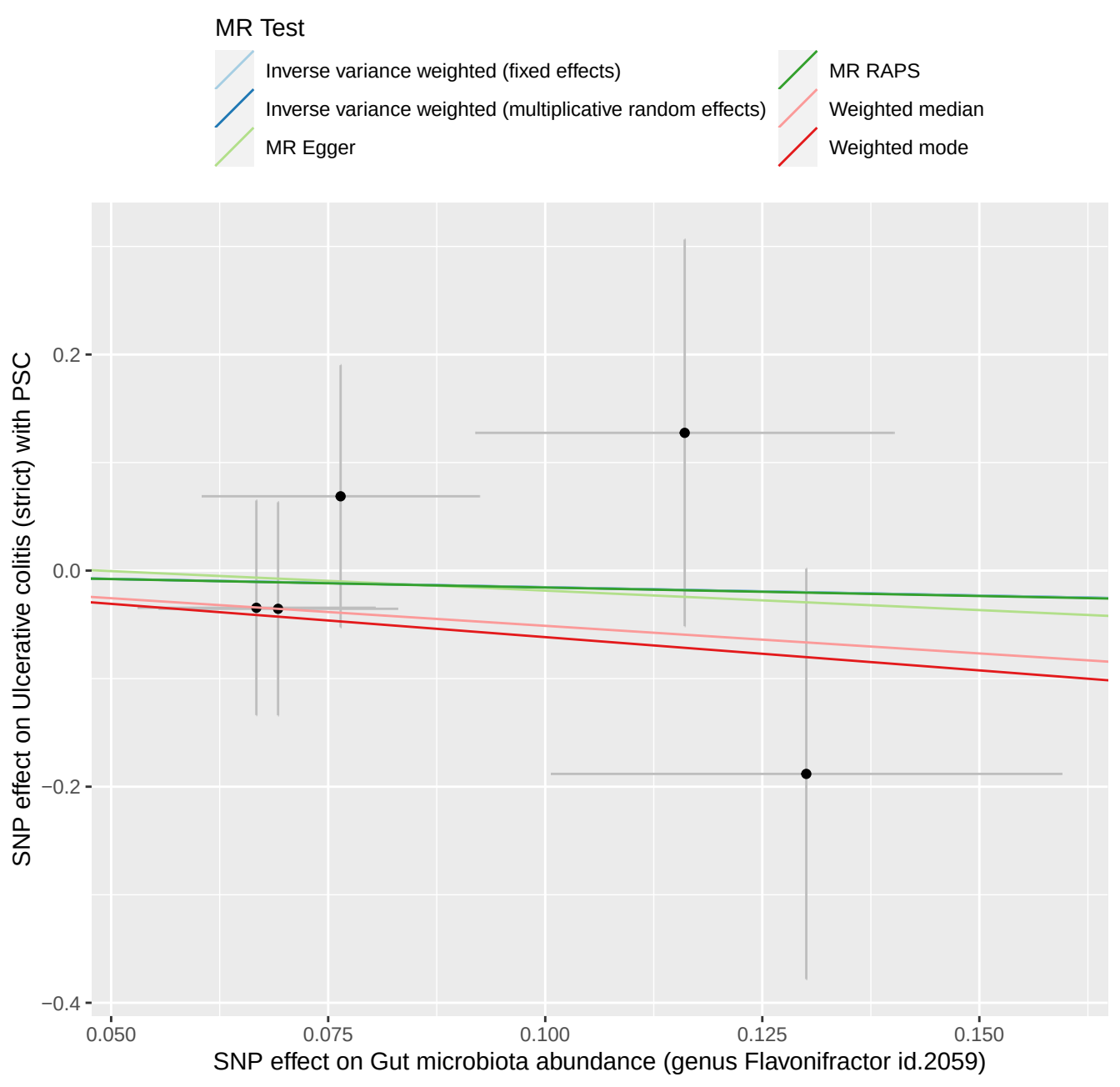
Batch 680 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Ulcerative colitis (strict) with PSC

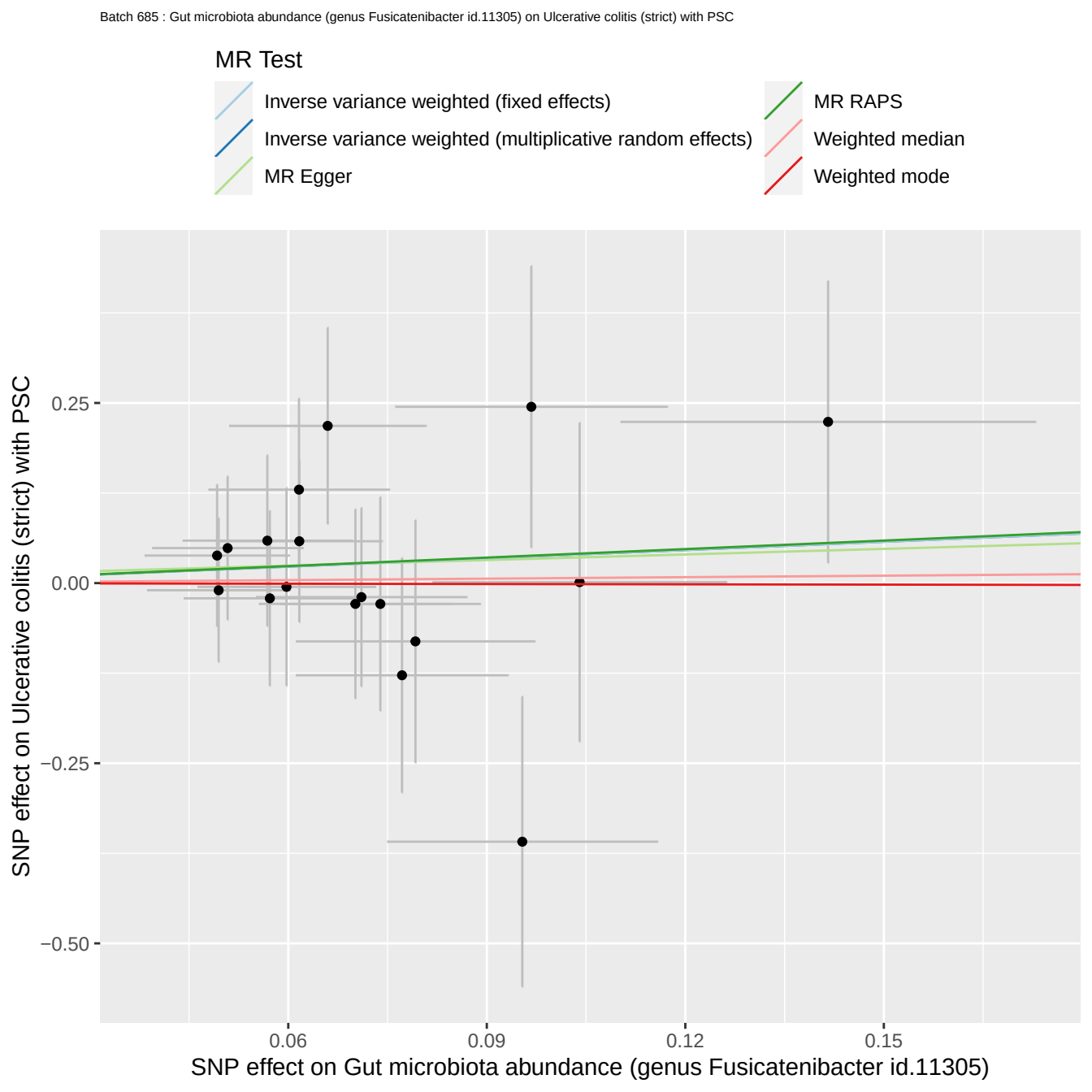



Batch 681 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

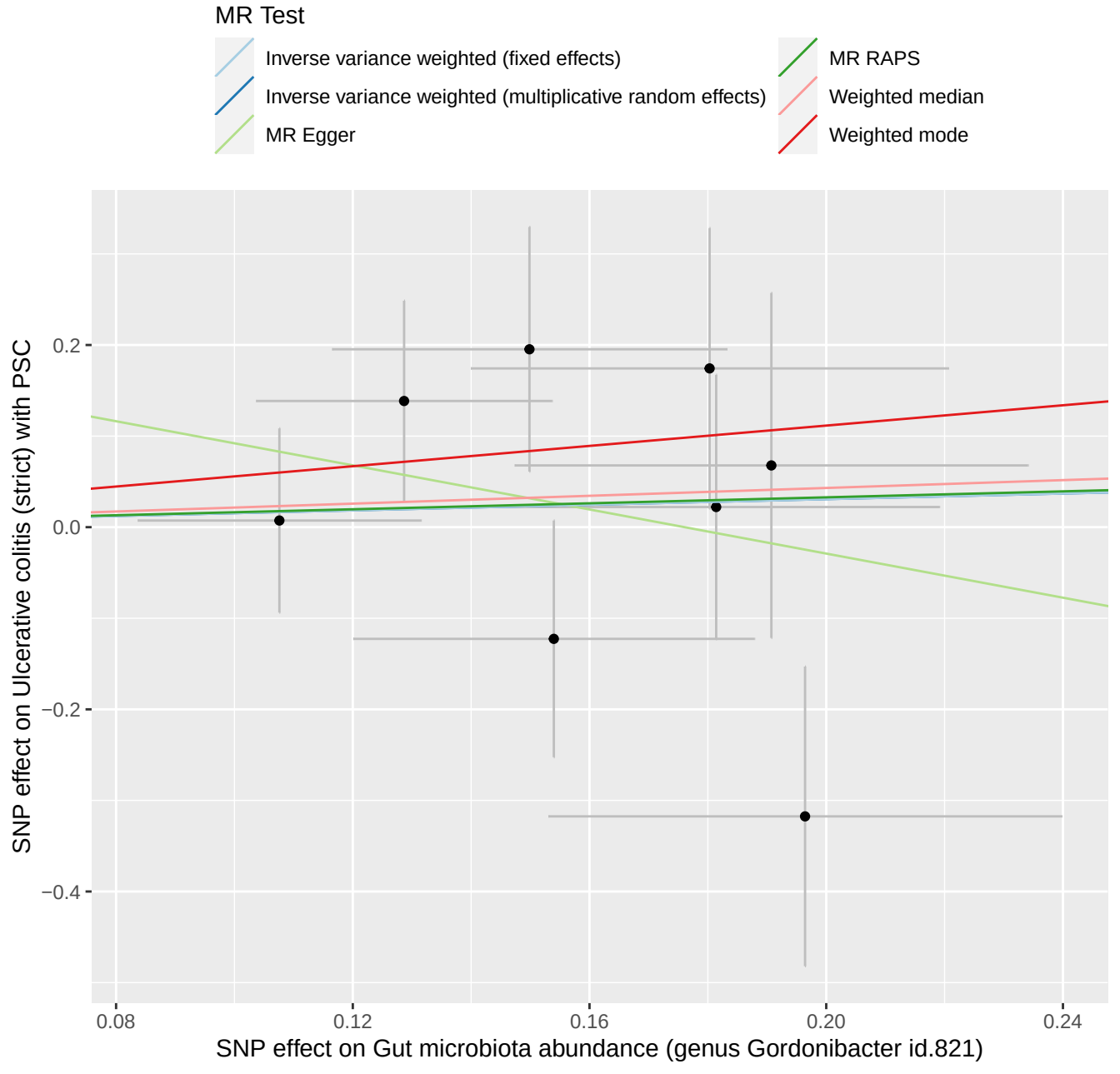

Batch 682 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.0
−0.3
−0.6
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)


Batch 683 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

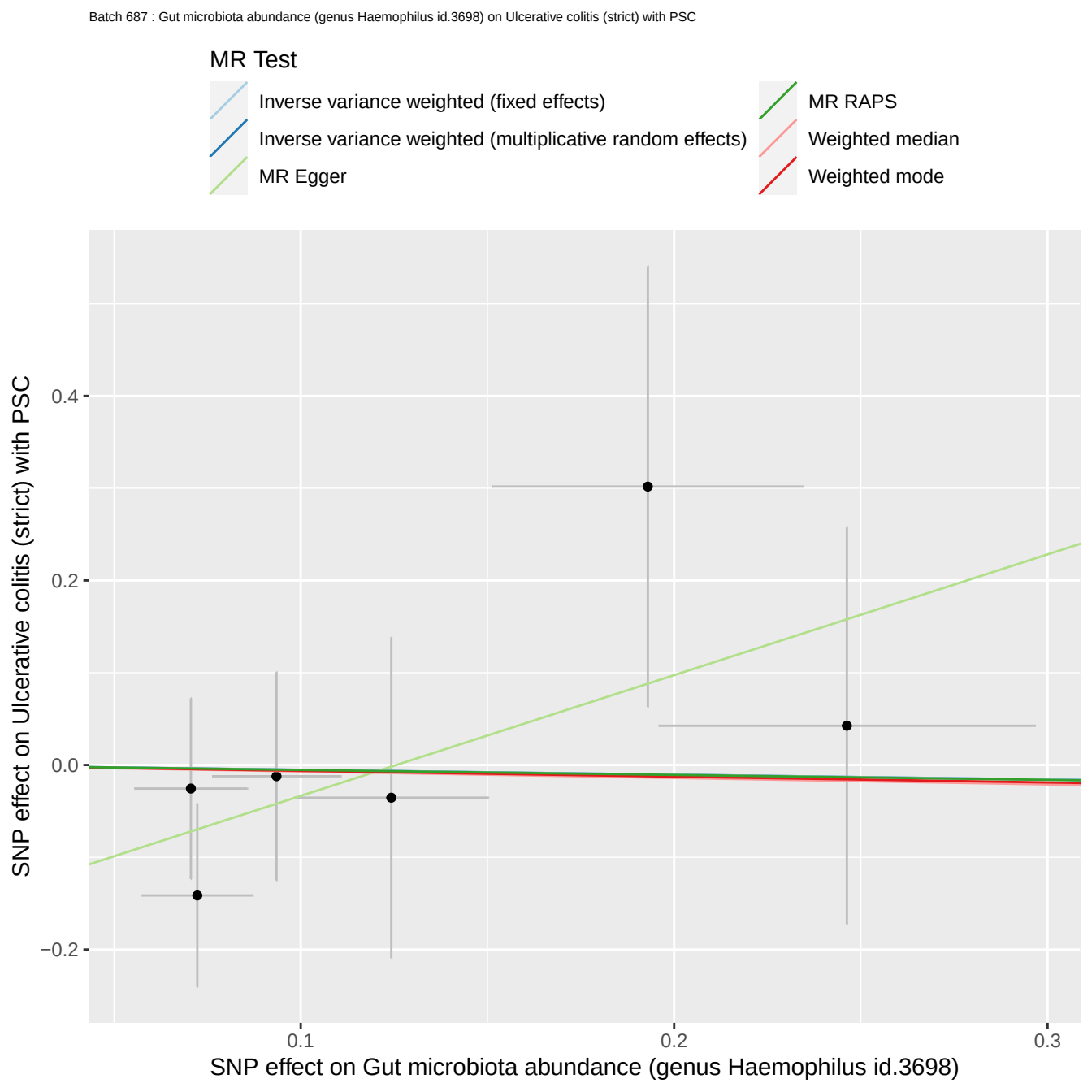

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)


Batch 685 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

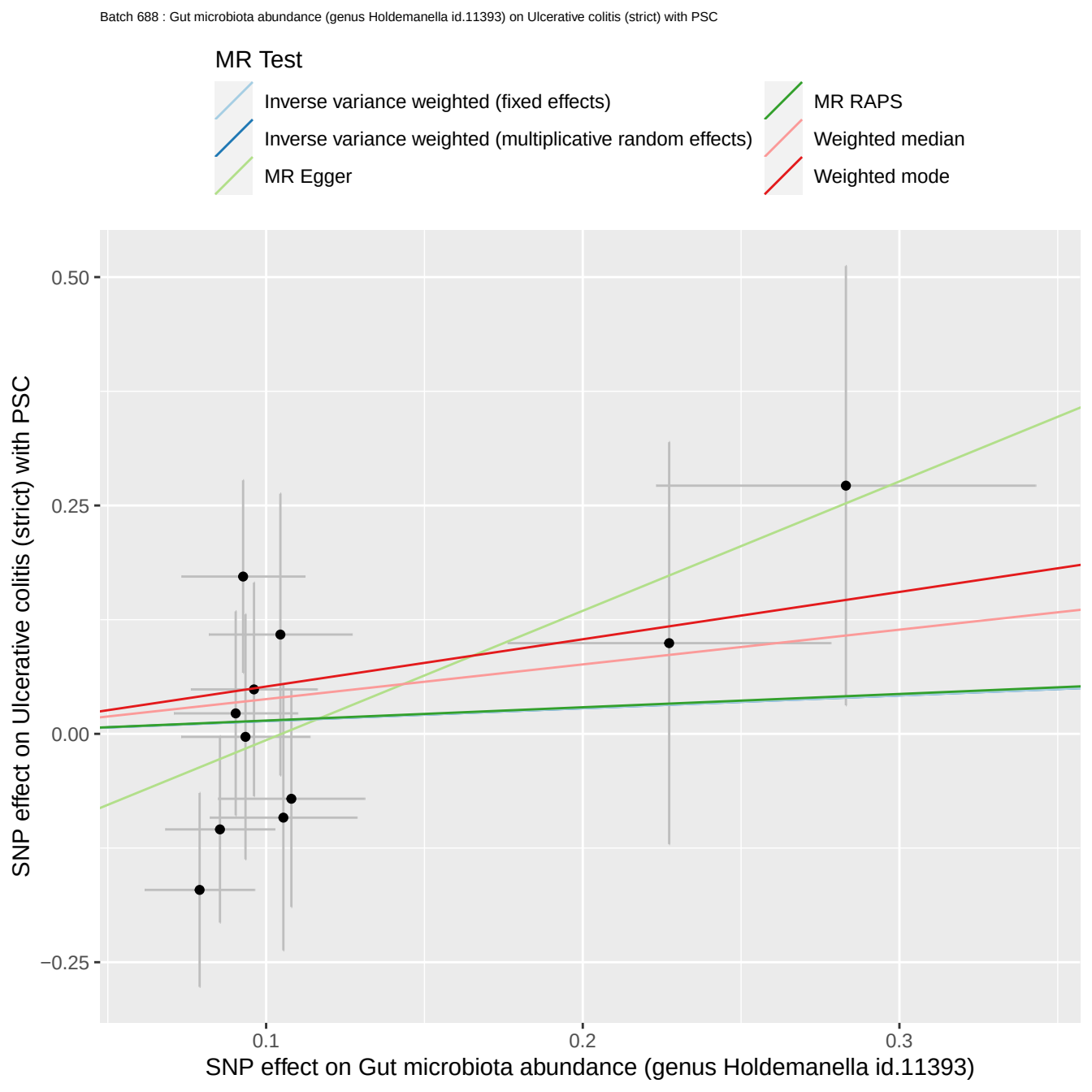
Batch 686 : Gut microbiota abundance (genus Gordonibacter id.821) on Ulcerative colitis (strict) with PSC

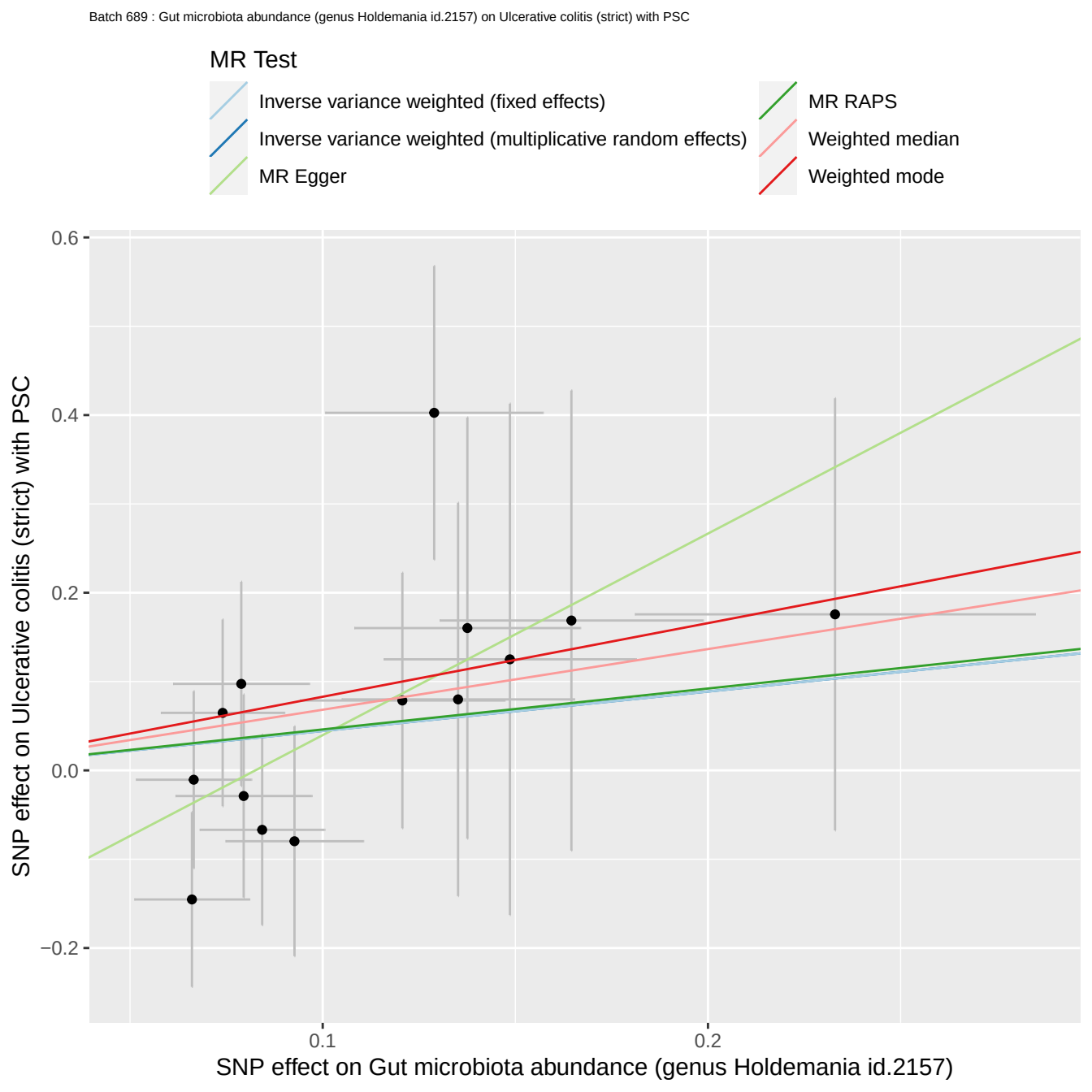


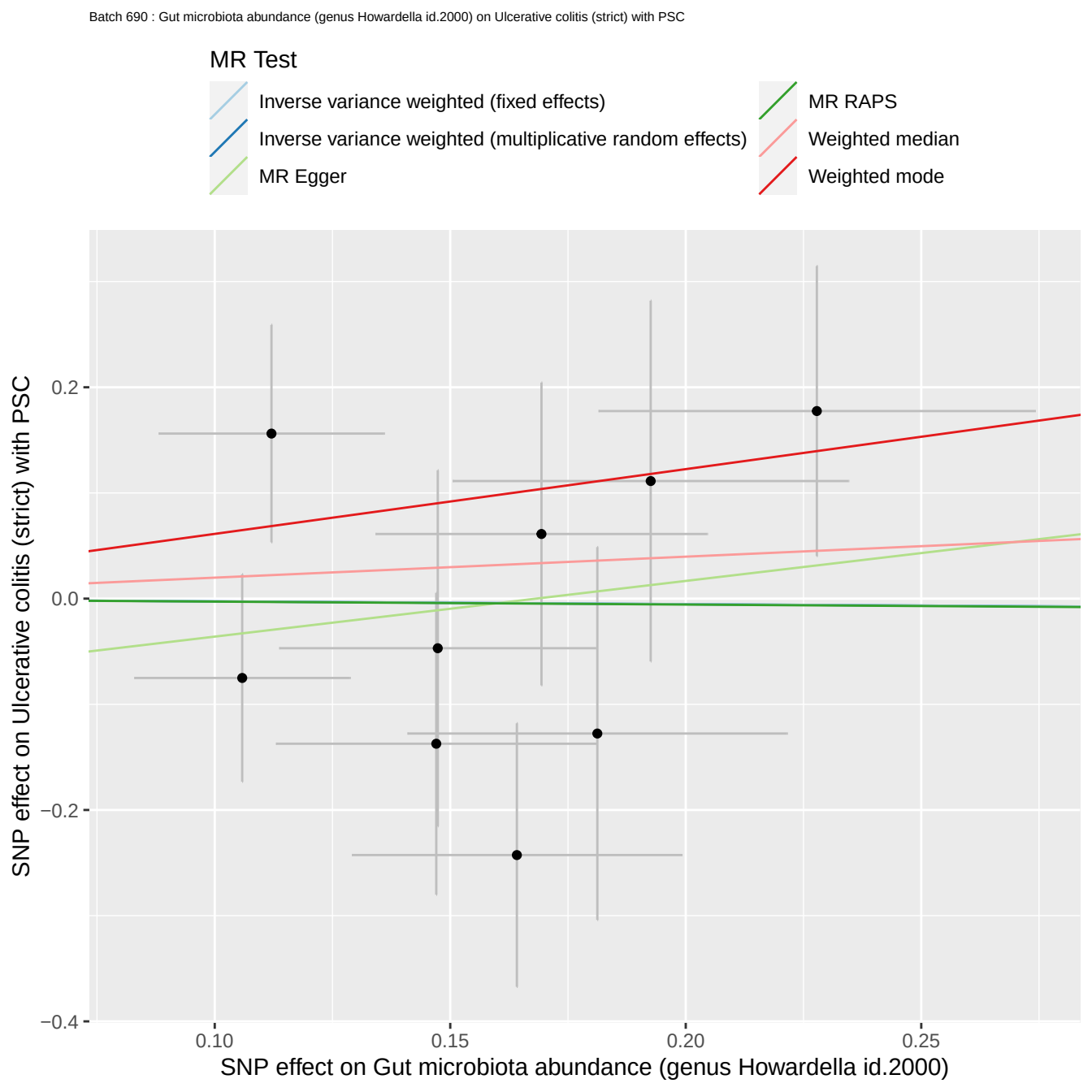
Batch 687 : Gut microbiota abundance (genus Haemophilus id.3698) on Ulcerative colitis (strict) with PSC



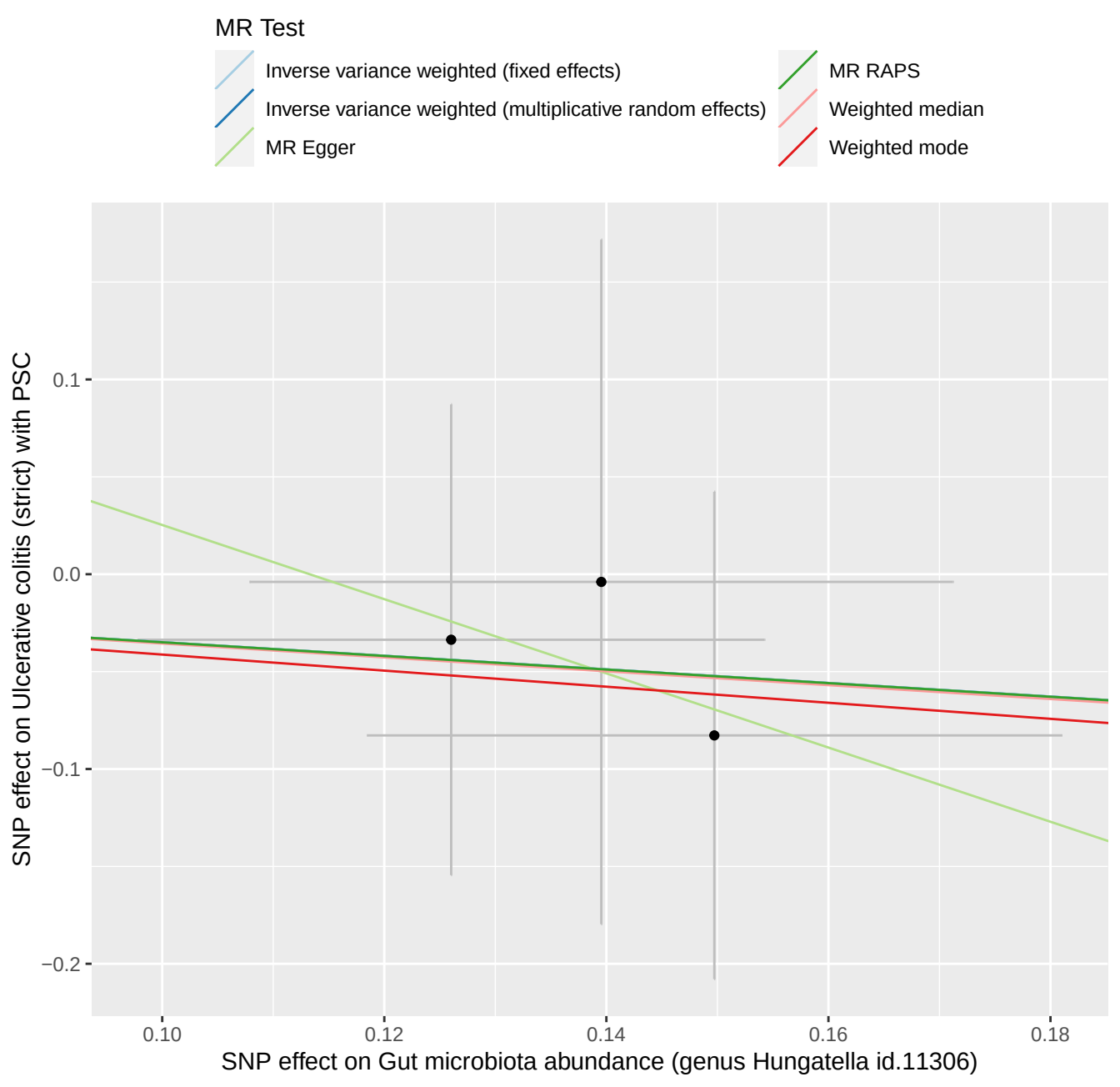
Batch 688 : Gut microbiota abundance (genus Holdemanella id.11393) on Ulcerative colitis (strict) with PSC

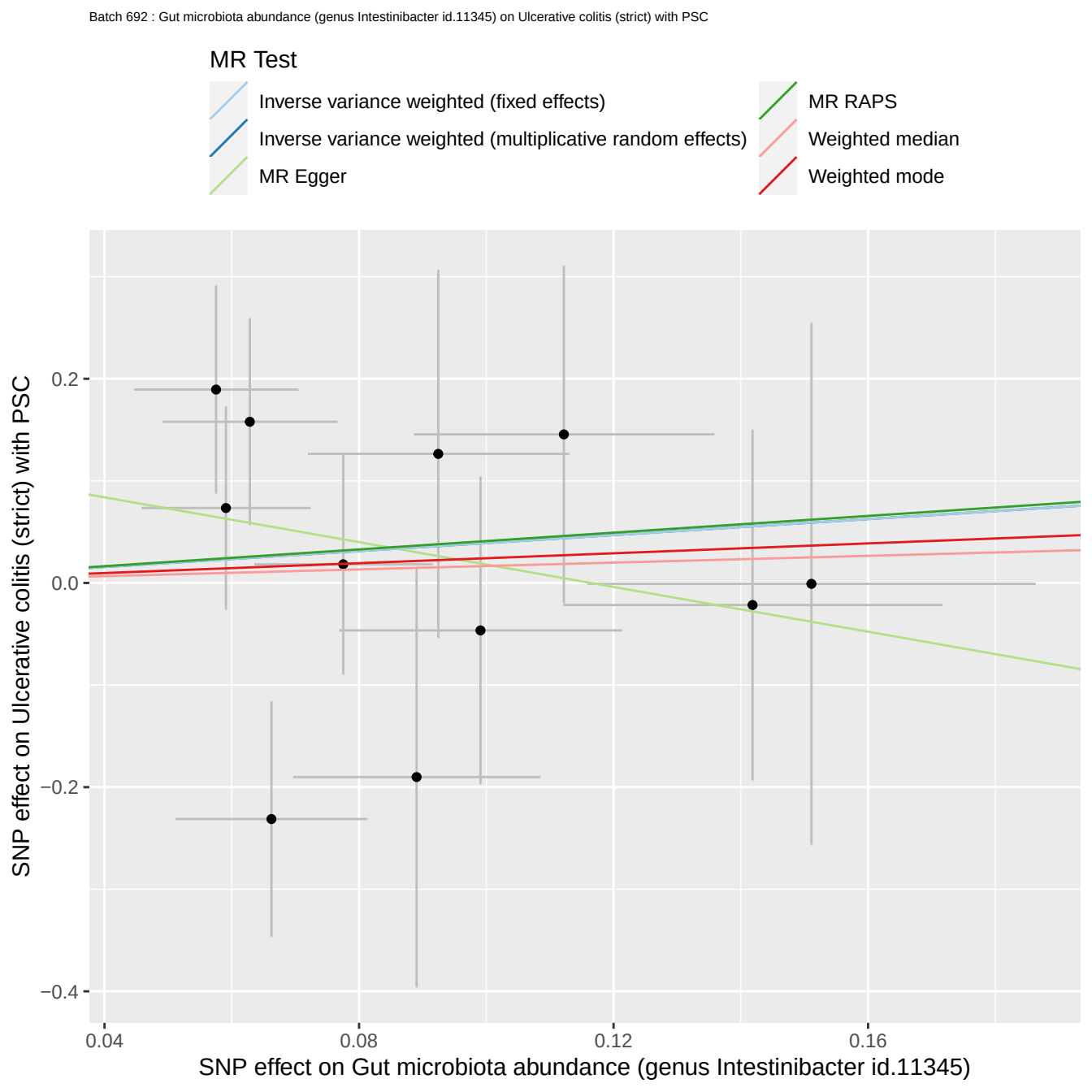



Batch 689 : Gut microbiota abundance (genus Holdemania id.2157) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.4
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

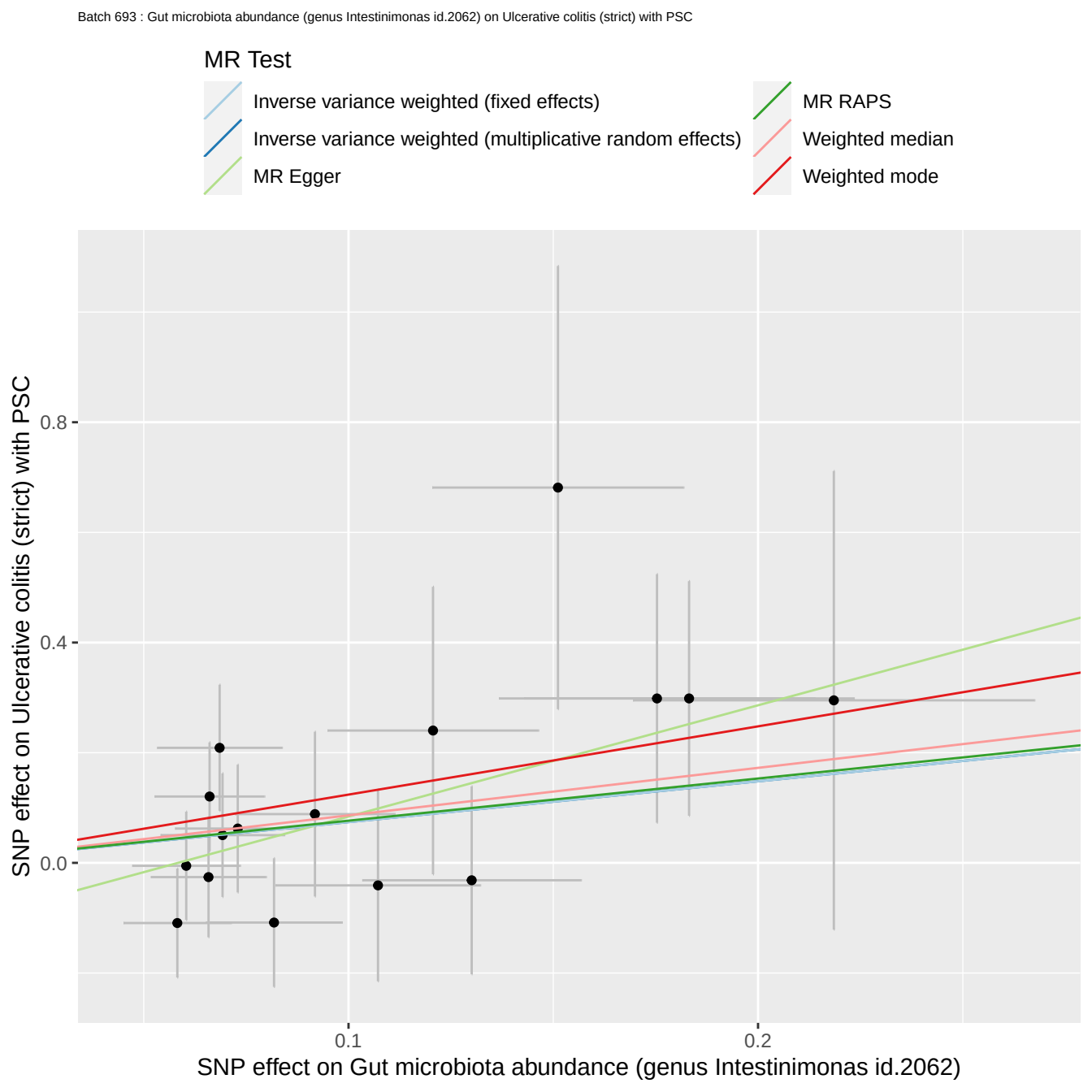

Batch 690 : Gut microbiota abundance (genus Howardella id.2000) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

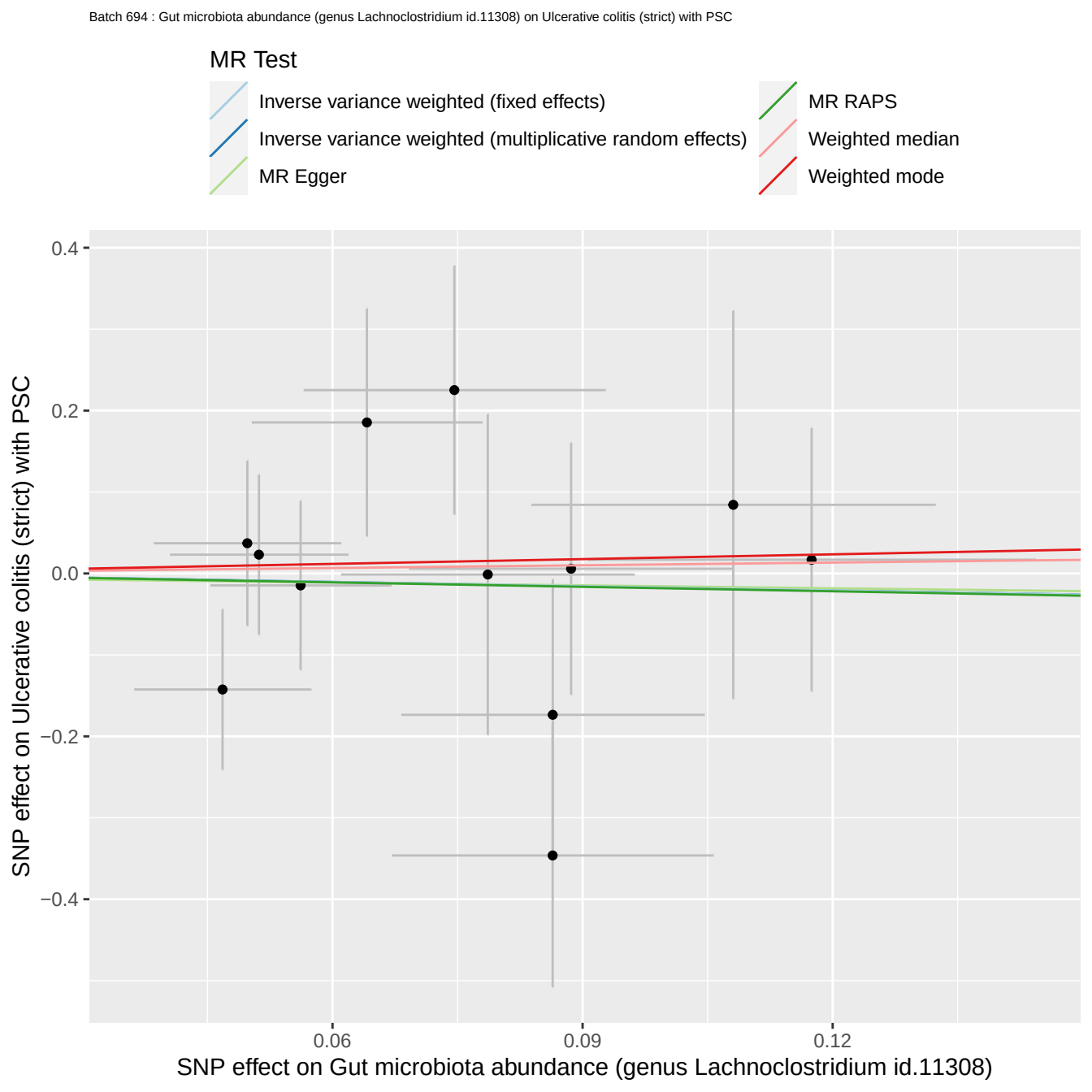
Batch 691 : Gut microbiota abundance (genus Hungatella id.11306) on Ulcerative colitis (strict) with PSC

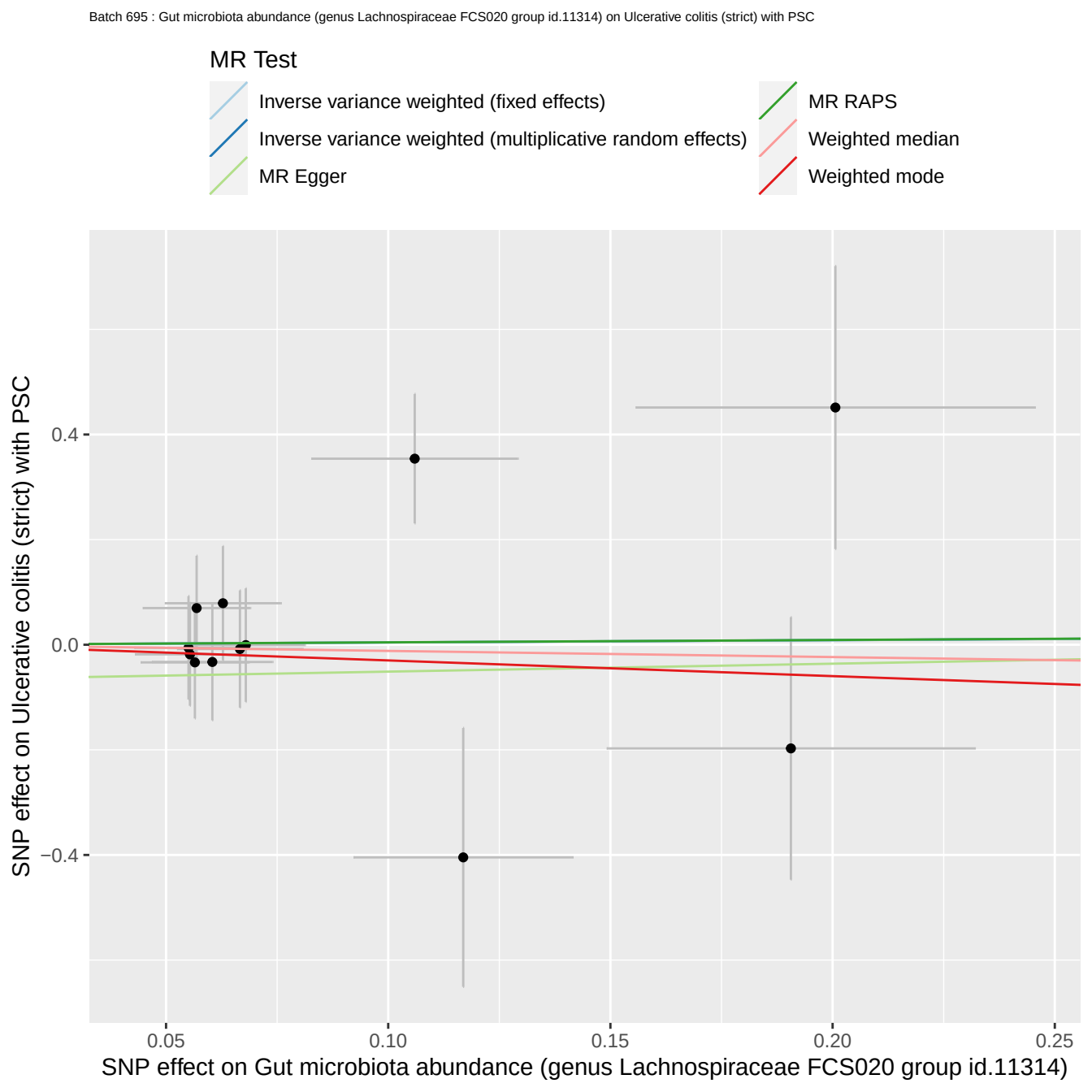


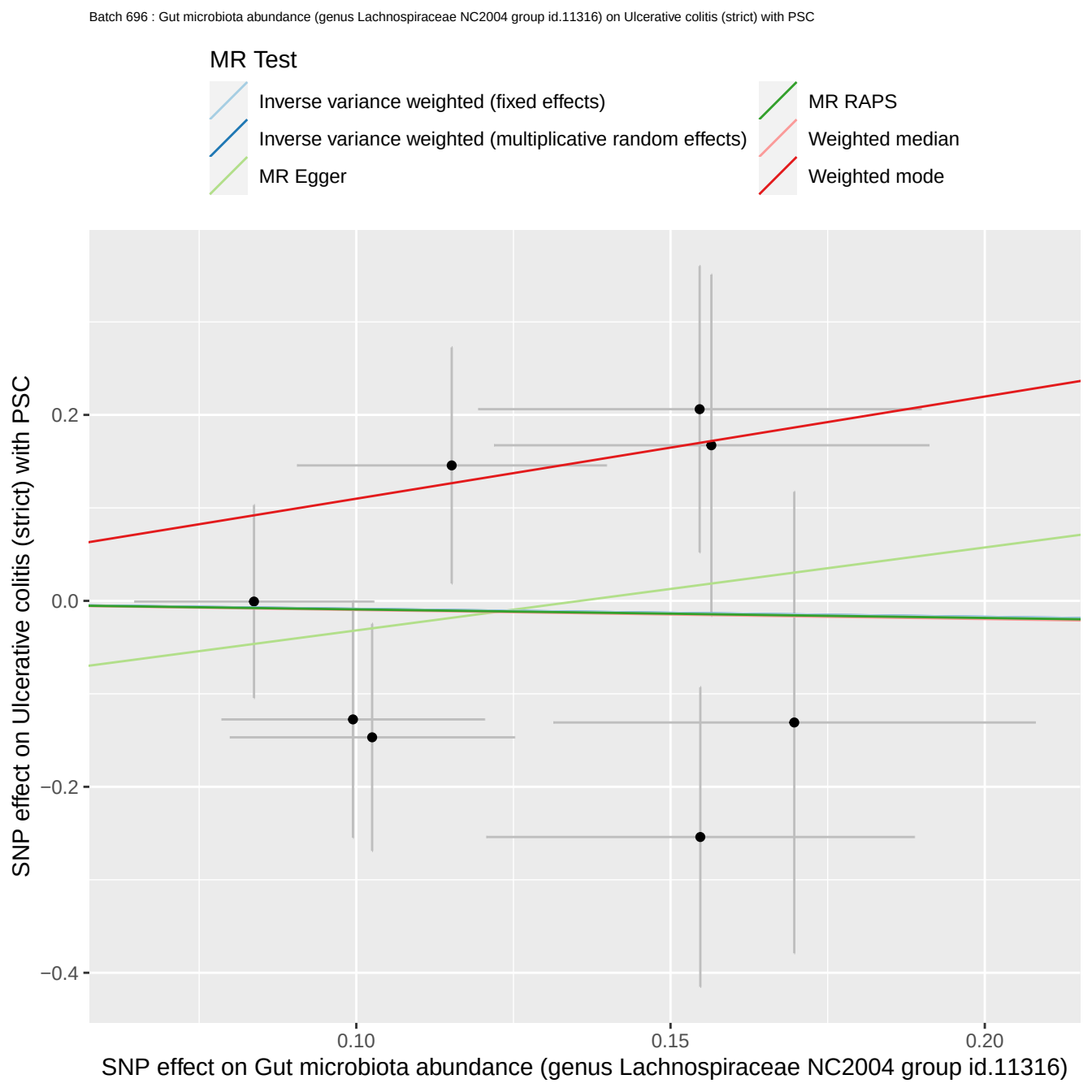

Batch 692 : Gut microbiota abundance (genus Intestinibacter id.11345) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)

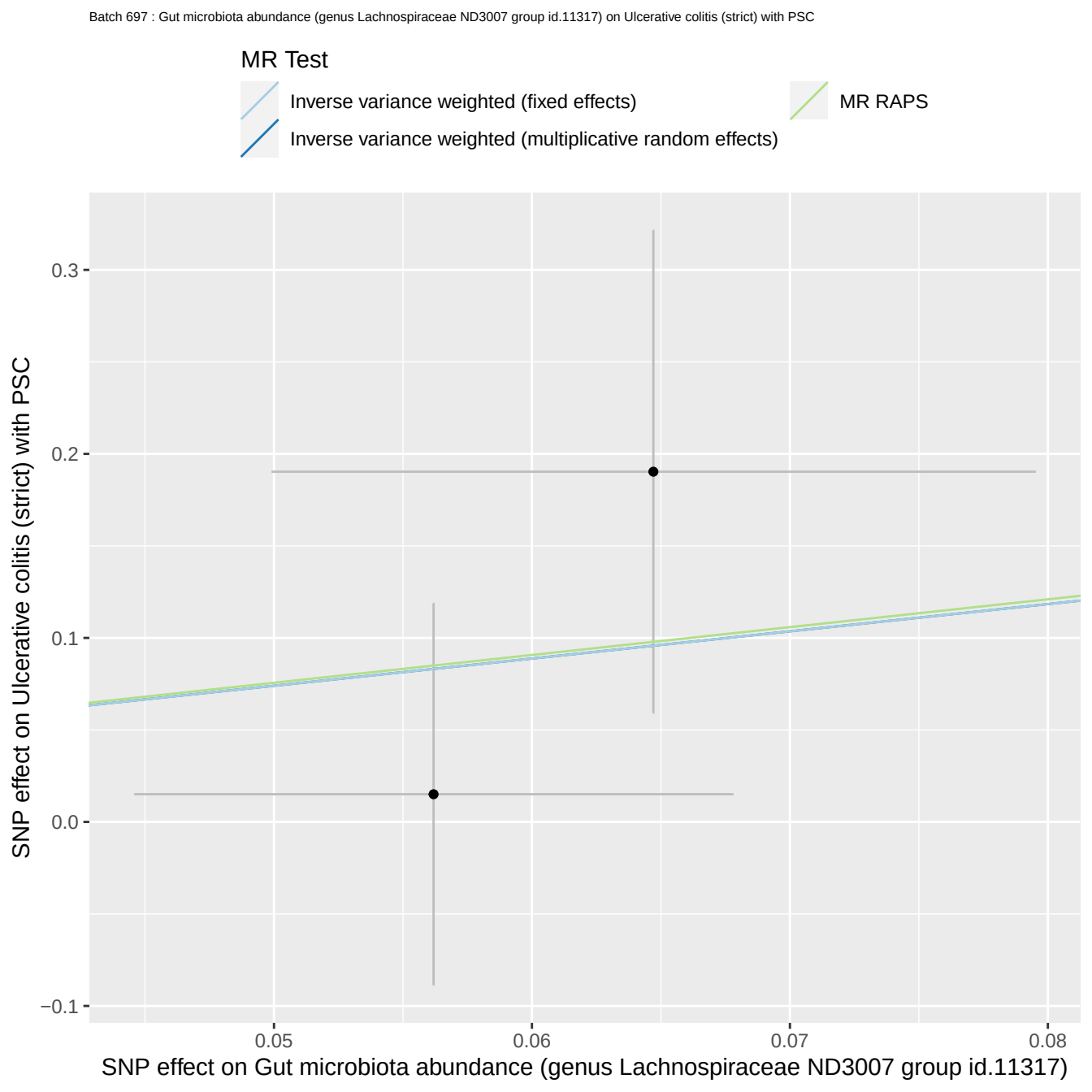
Batch 693 : Gut microbiota abundance (genus Intestinimonas id.2062) on Ulcerative colitis (strict) with PSC

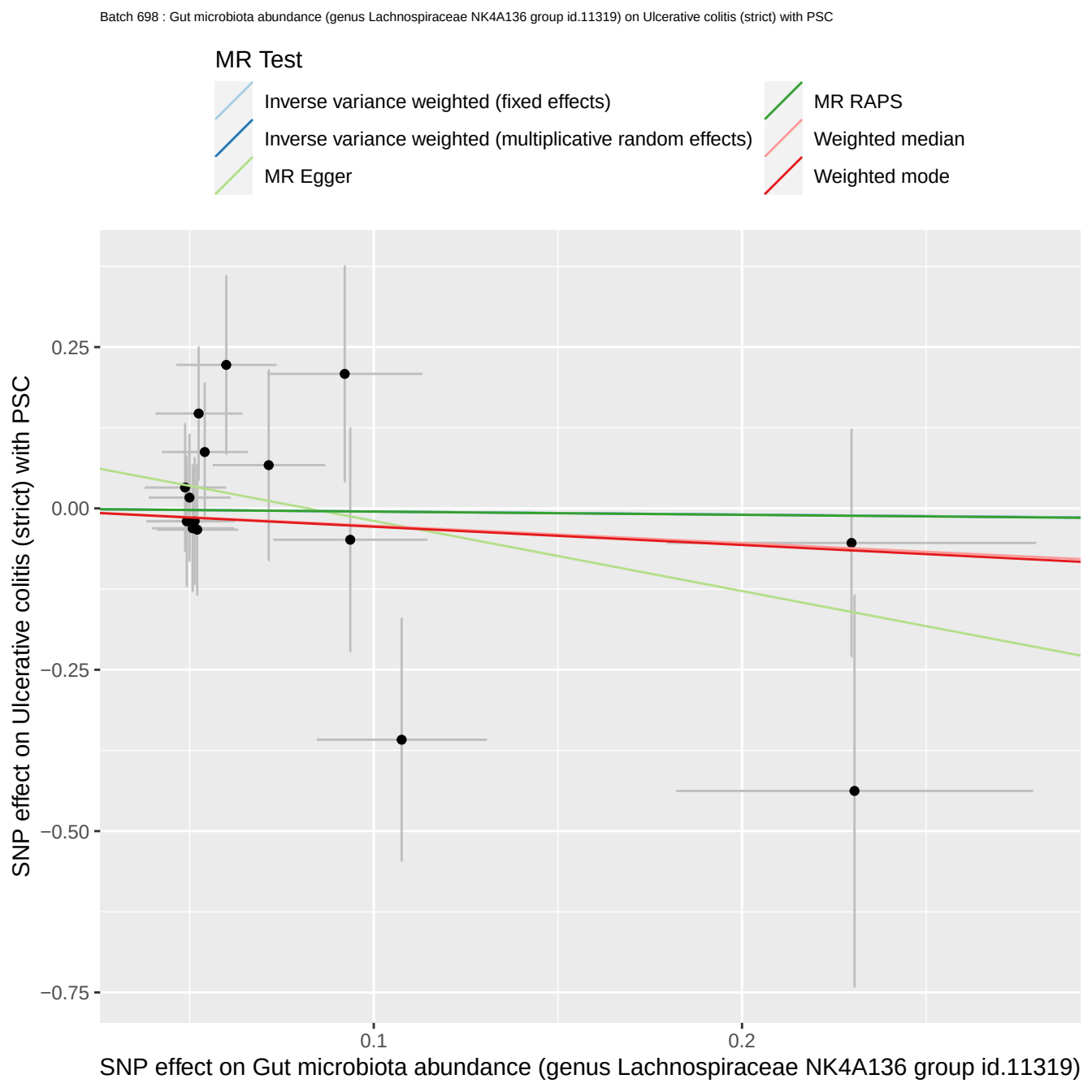


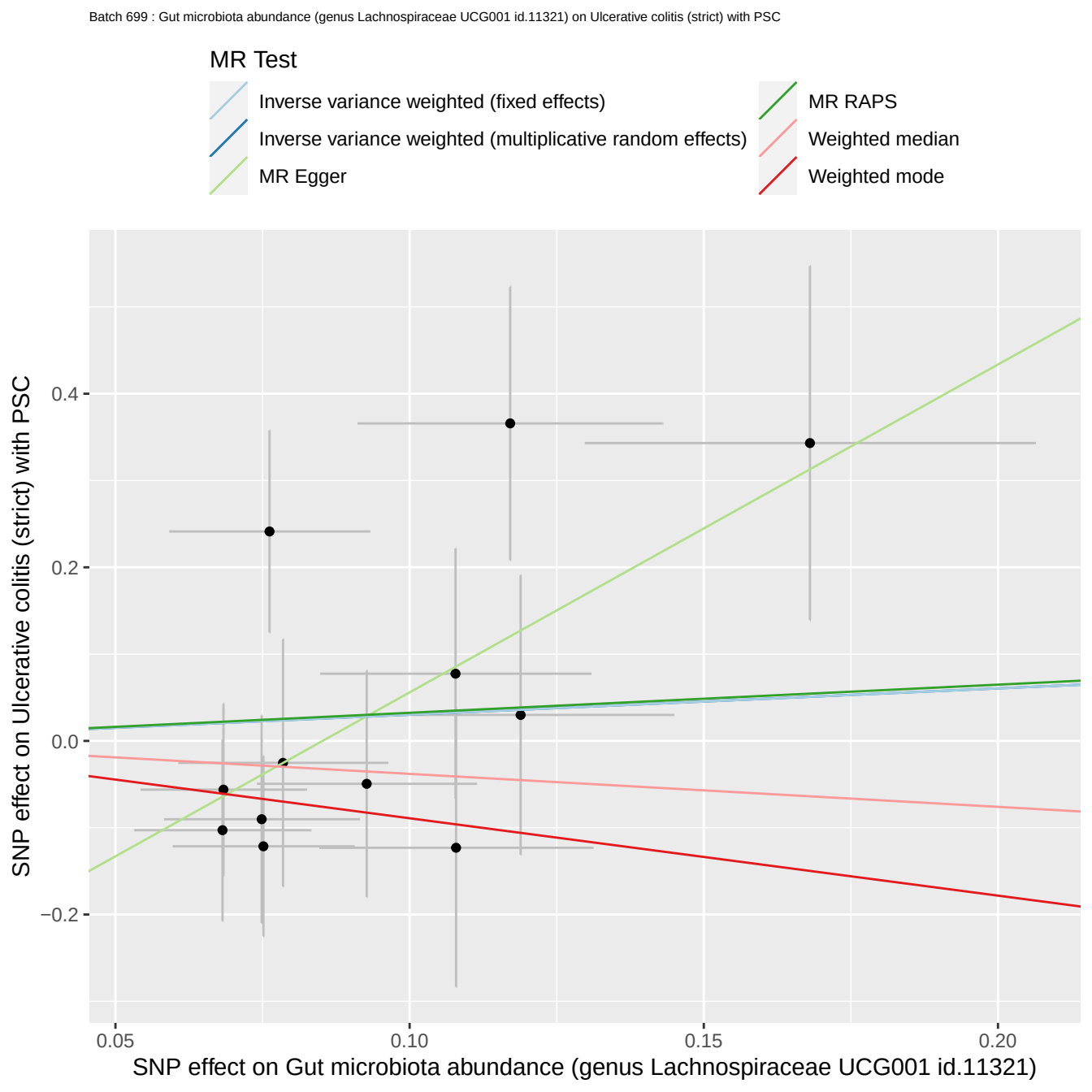

Batch 694 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
−0.4
SNP effect on Ulcerative colitis (strict) with PSC
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (genus Lachnoclostridium id.11308)

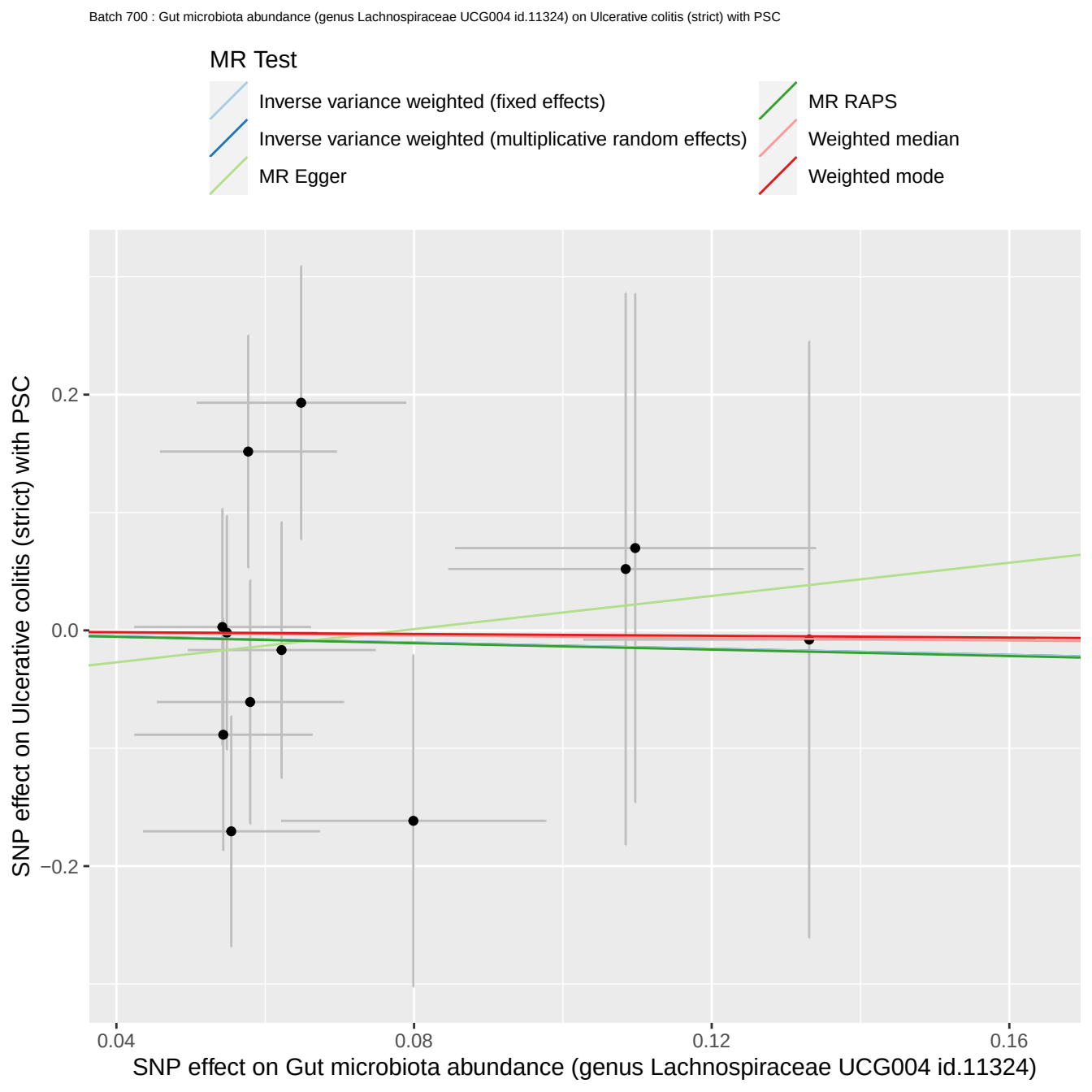

Batch 695 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

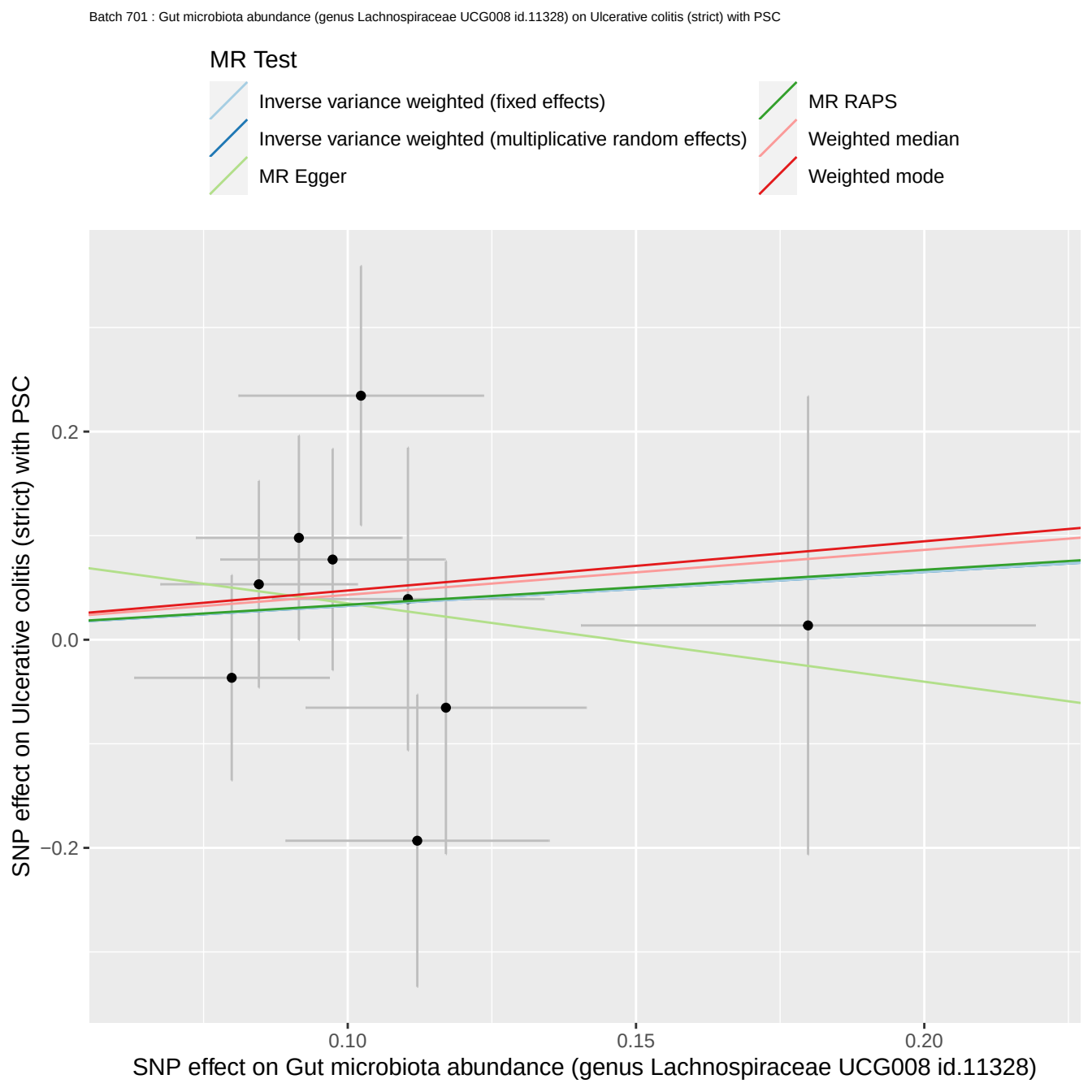

Batch 696 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)


Batch 697 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.2
0.1
0.0
−0.1
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)

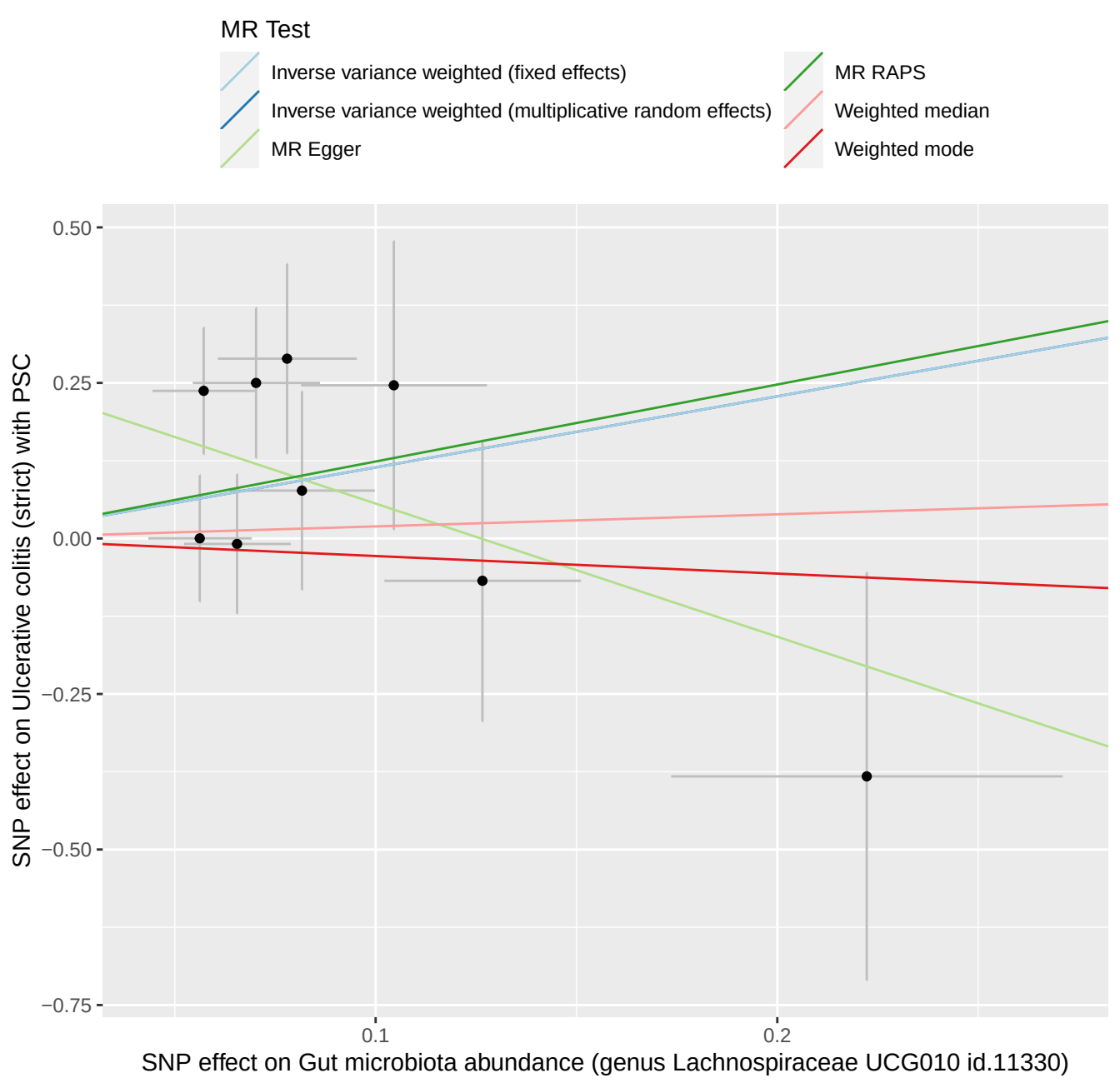

Batch 698 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
−0.75
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319)


Batch 699 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)

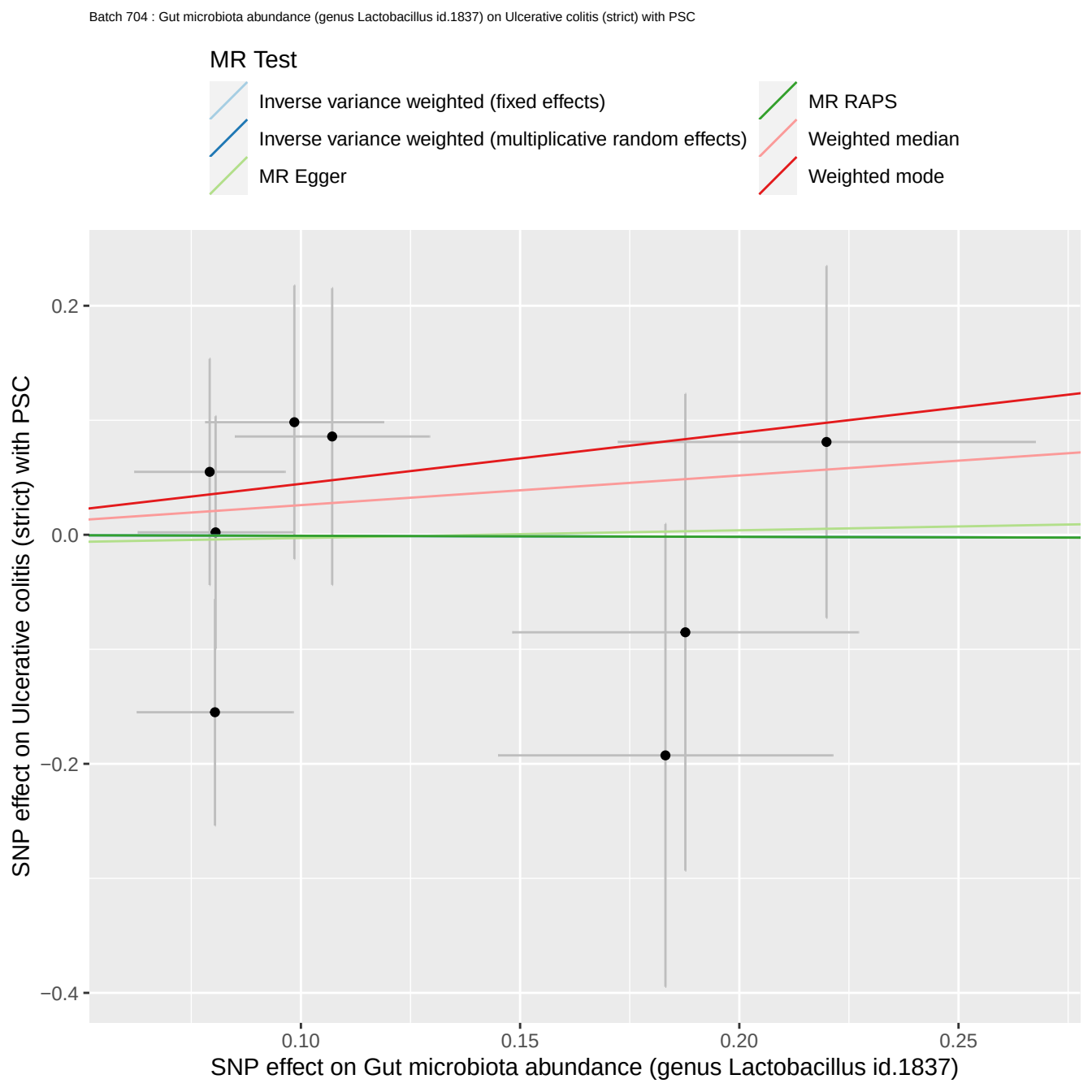

Batch 700 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

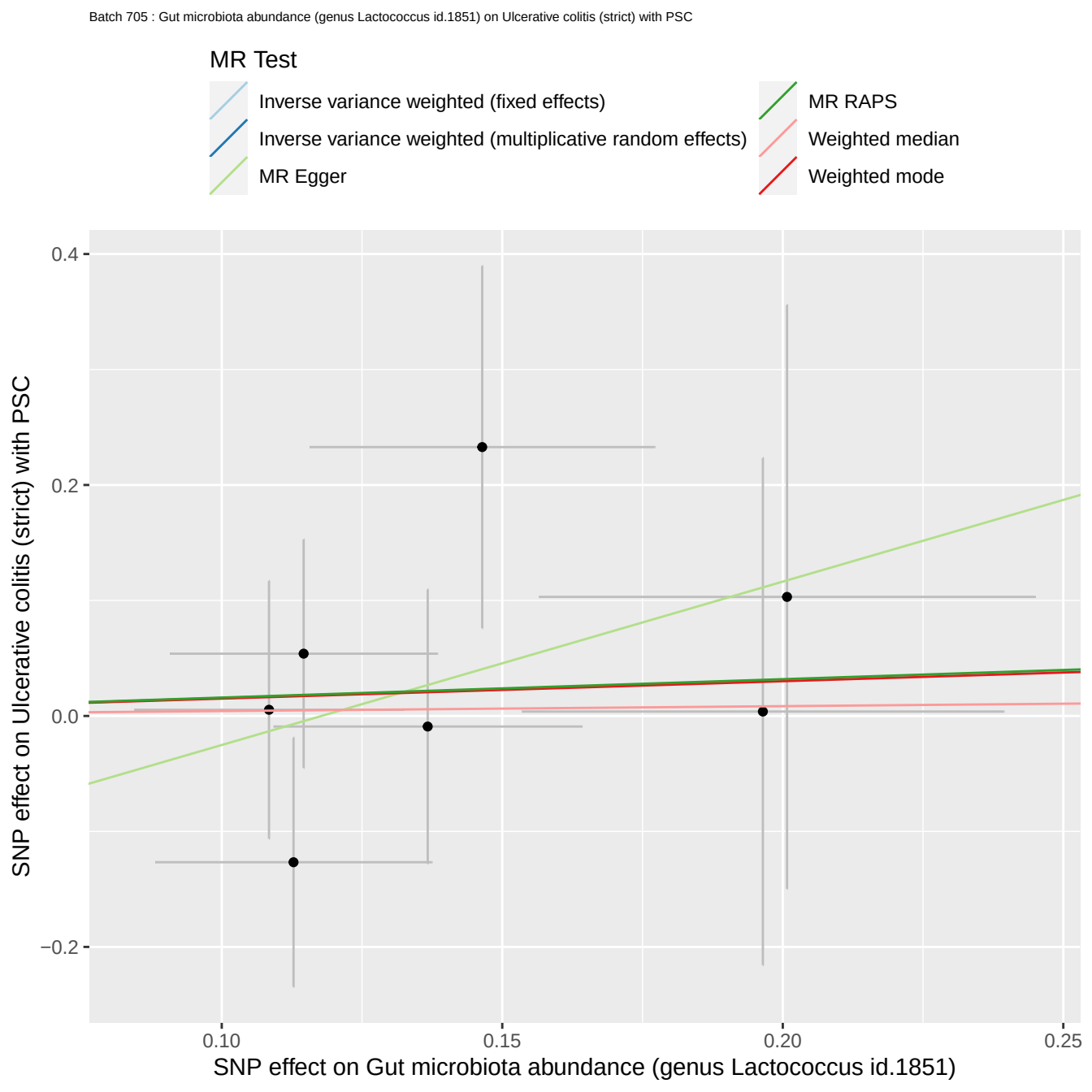

Batch 701 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

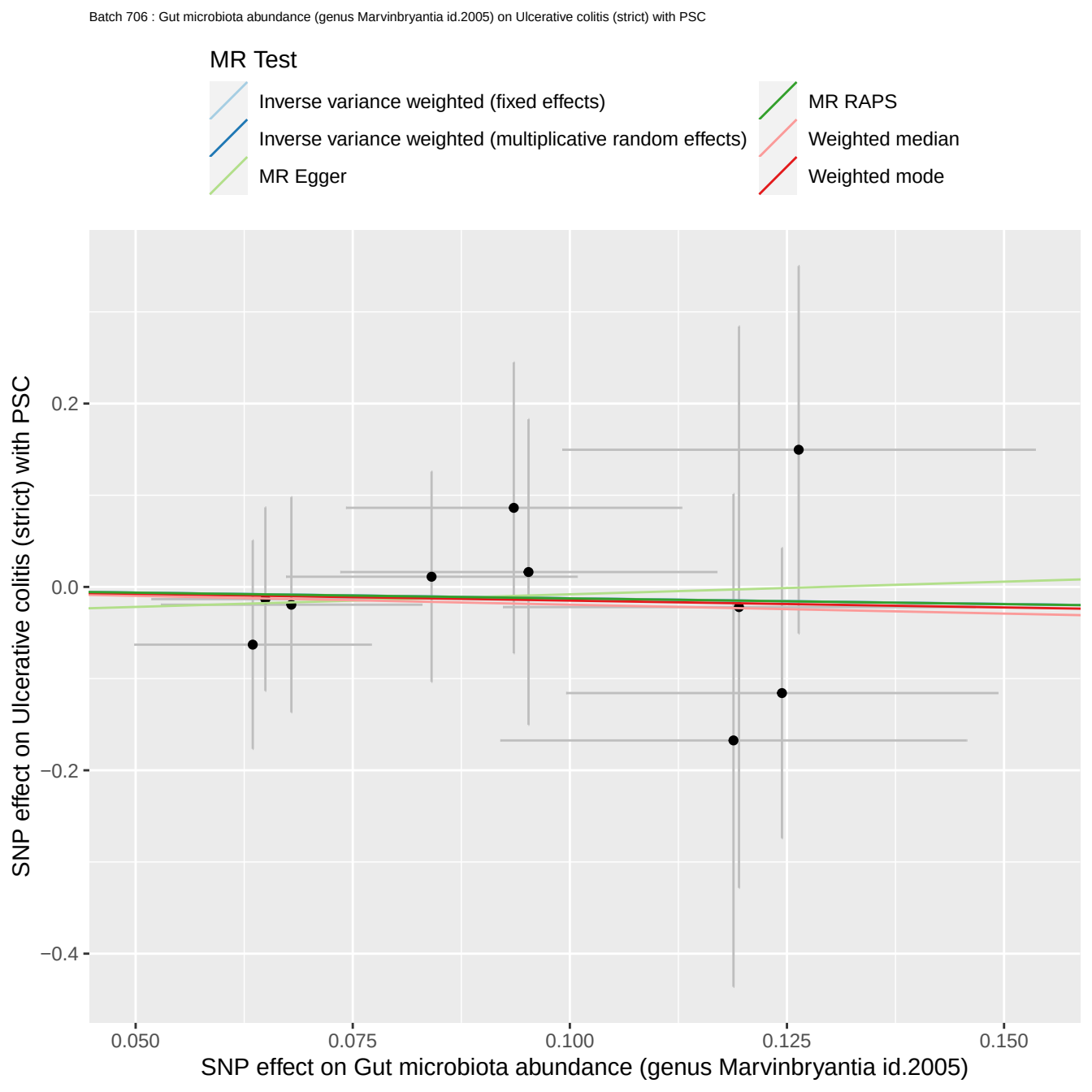
Batch 702 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Ulcerative colitis (strict) with PSC

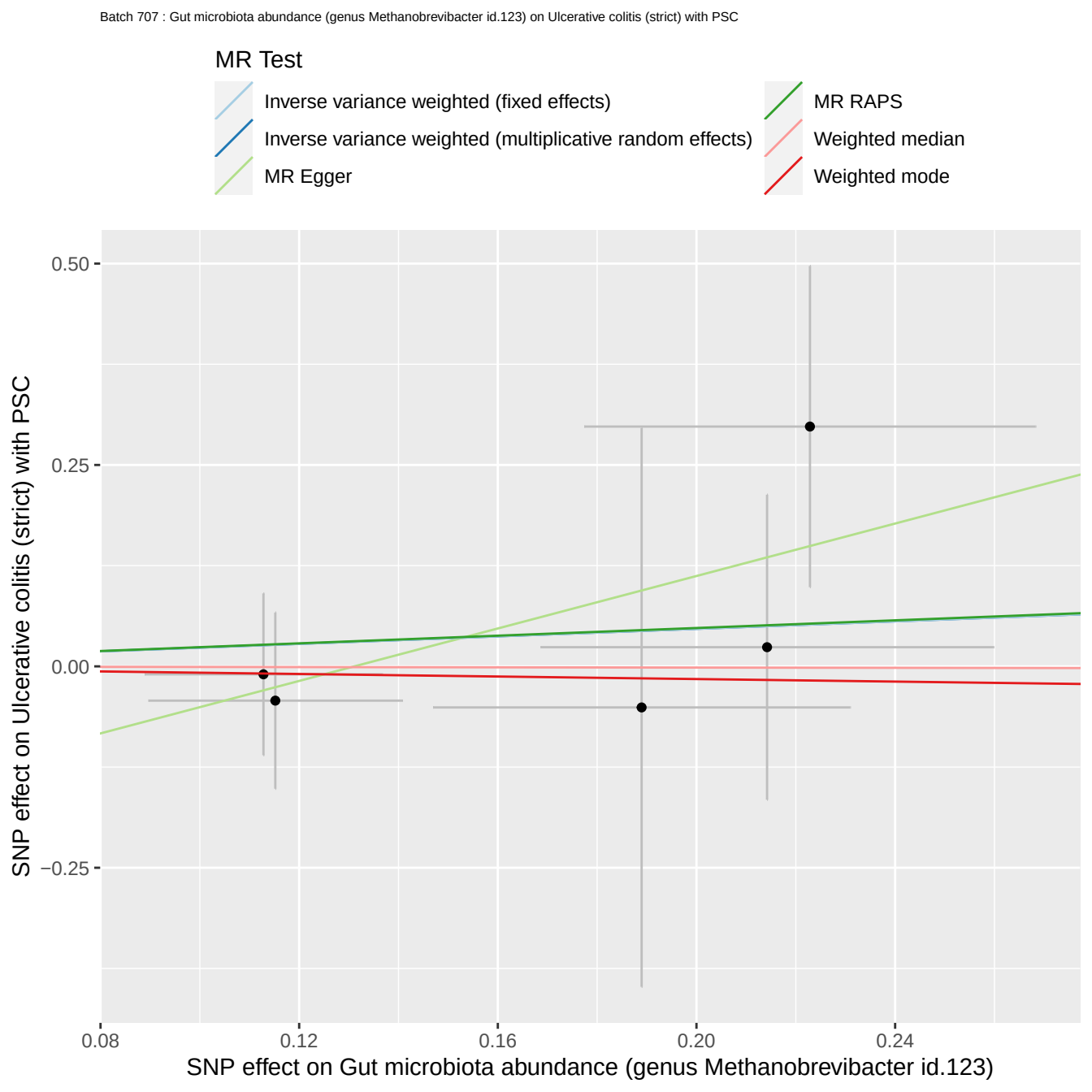


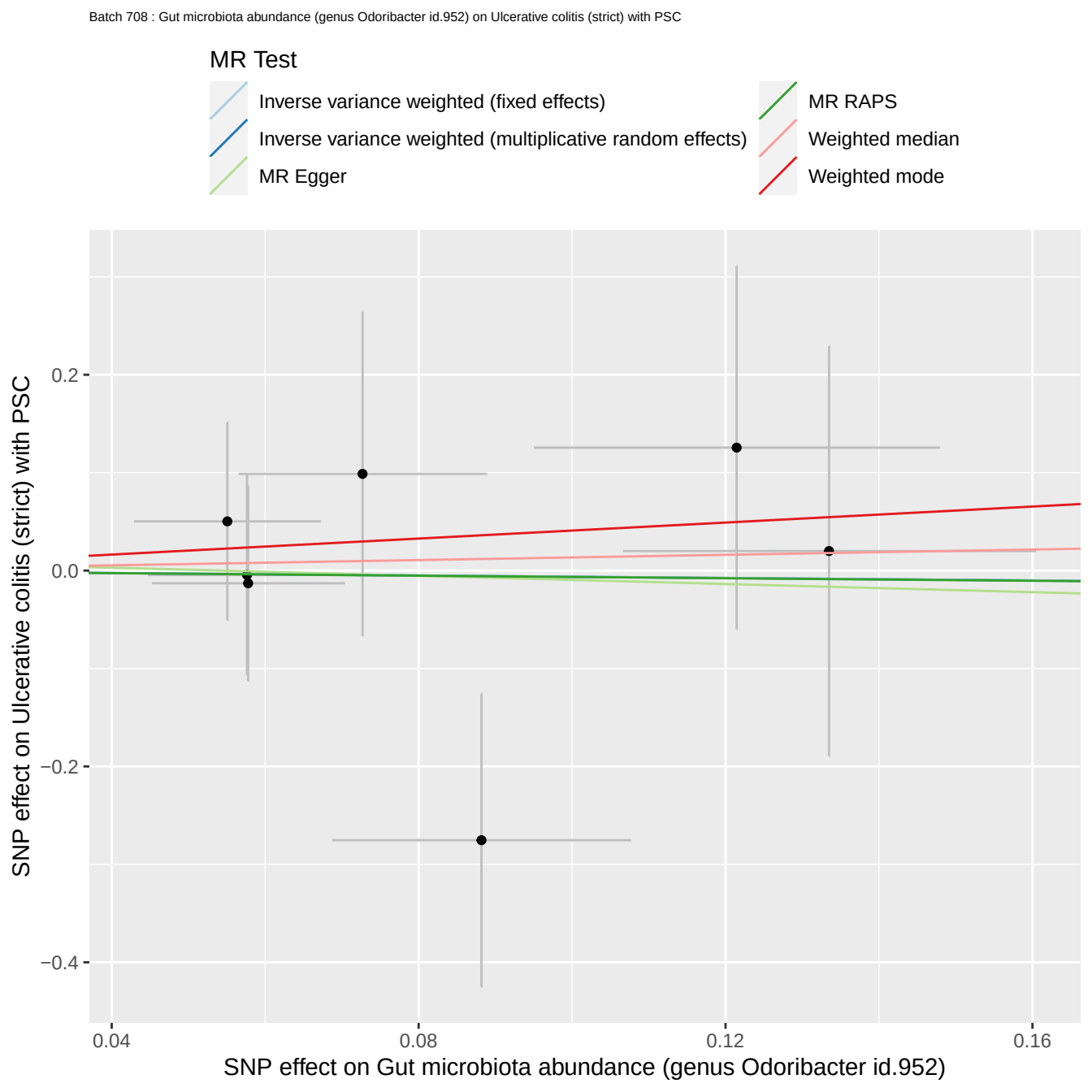
Insufficient number of SNPs

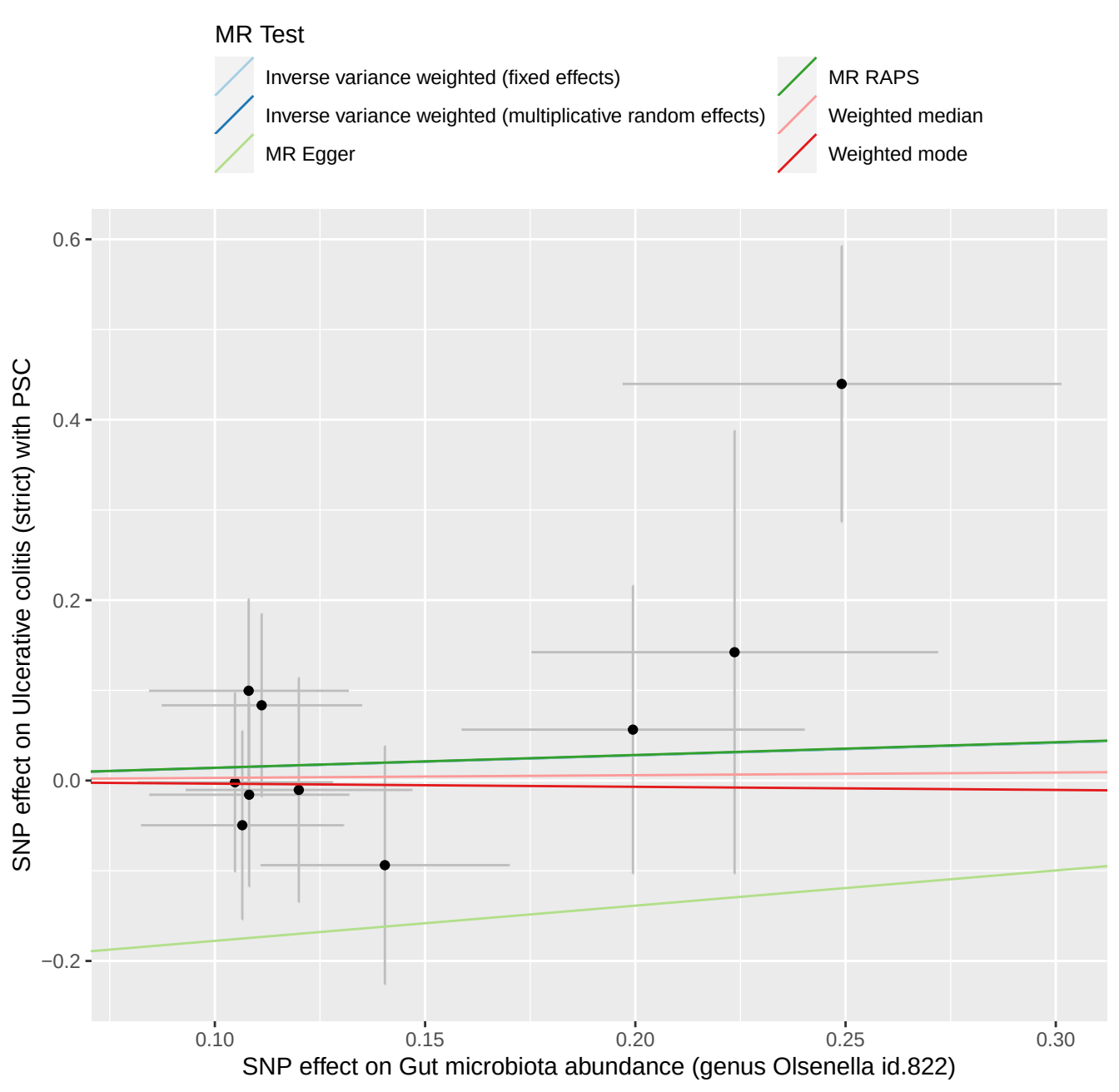

Batch 704 : Gut microbiota abundance (genus Lactobacillus id.1837) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)


Batch 705 : Gut microbiota abundance (genus Lactococcus id.1851) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

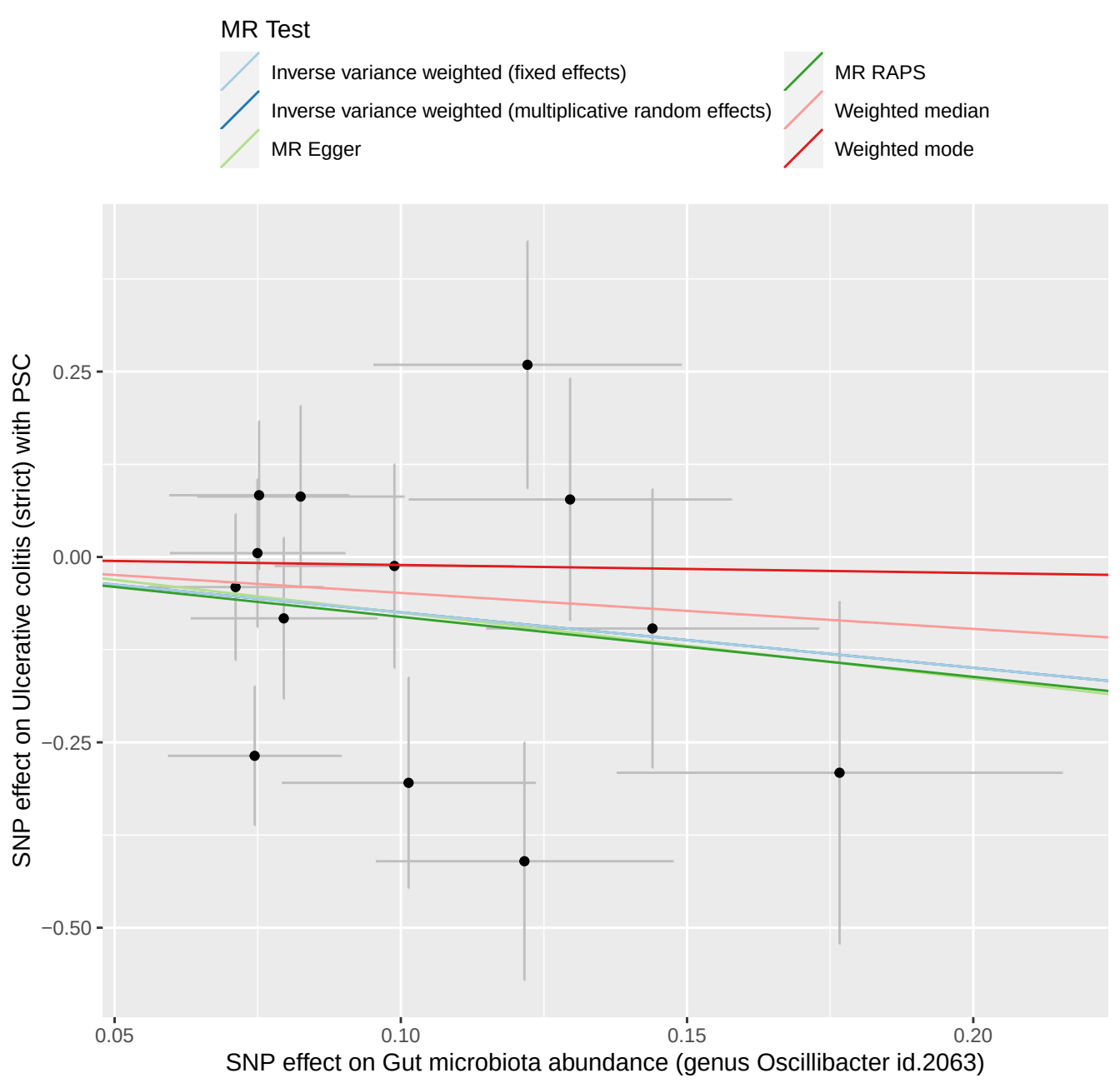

Batch 706 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

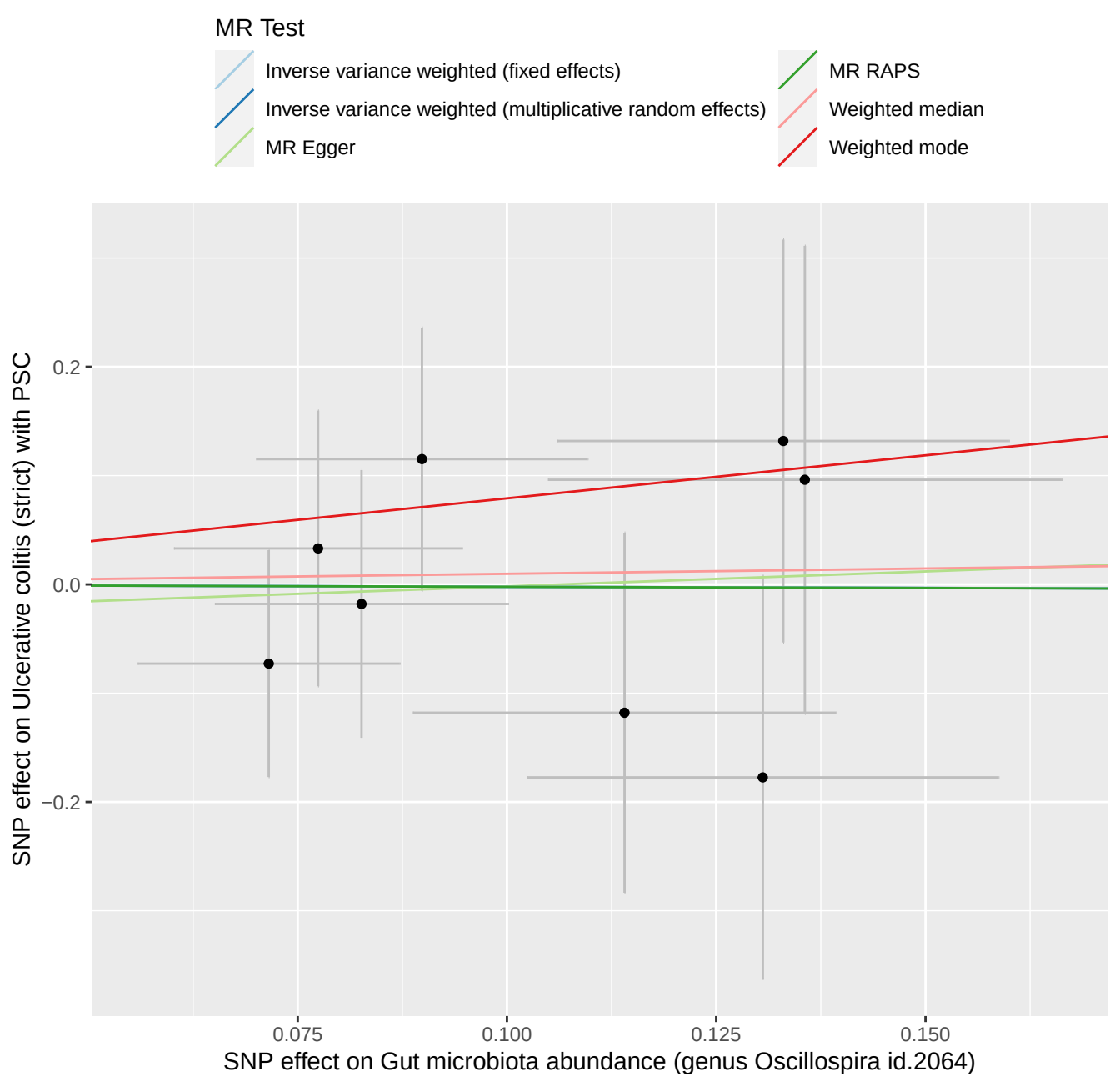

Batch 708 : Gut microbiota abundance (genus Odoribacter id.952) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

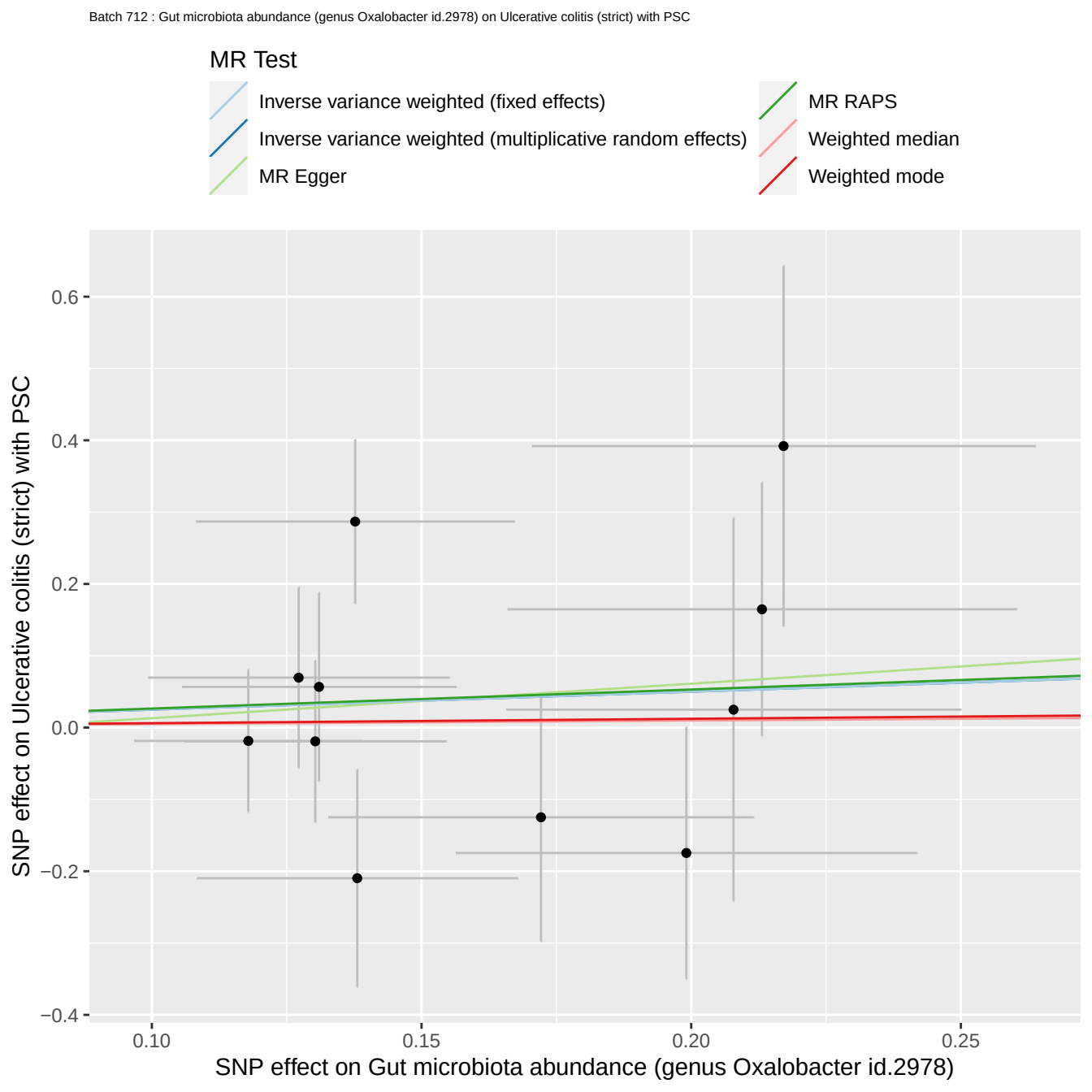

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

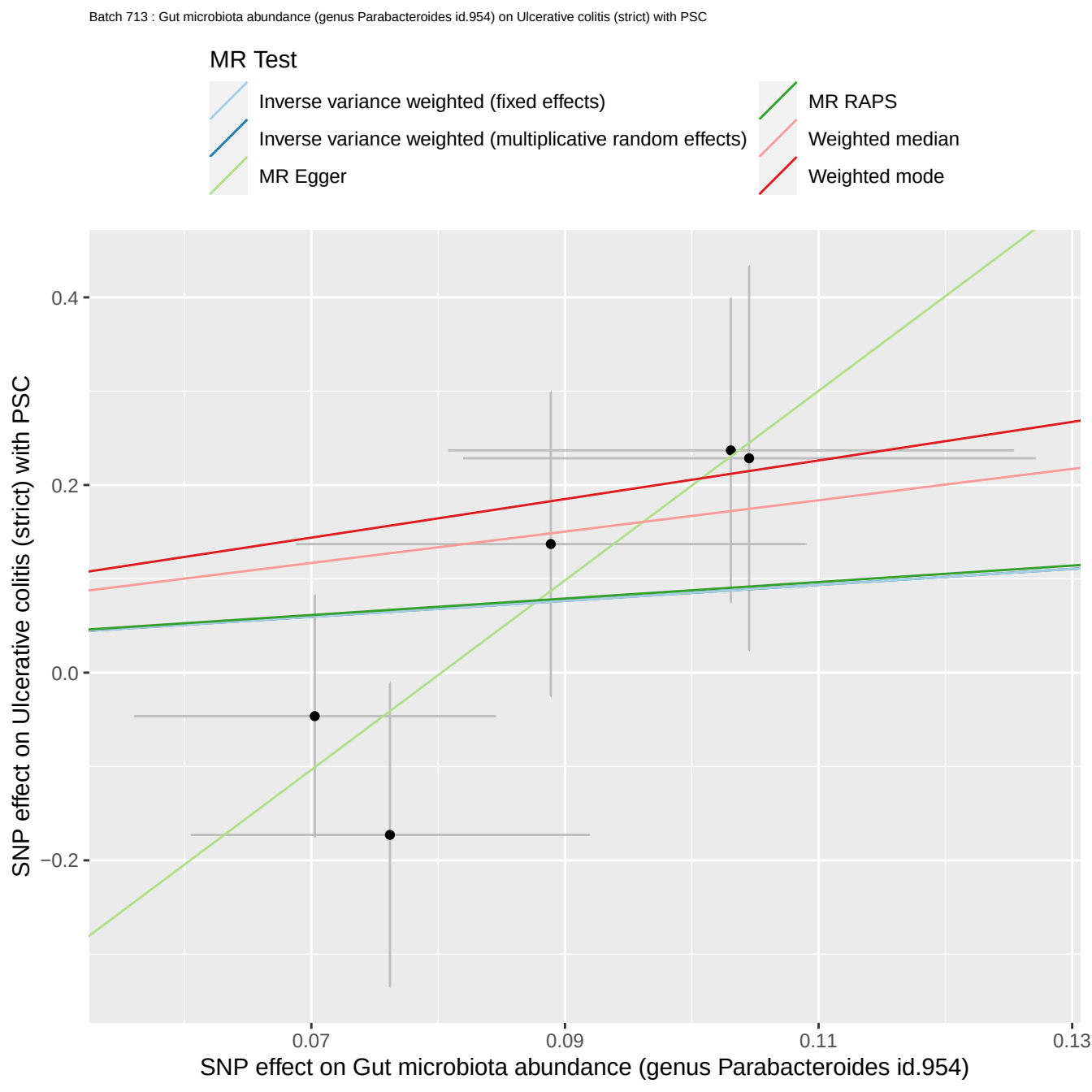
Batch 710 : Gut microbiota abundance (genus Oscillibacter id.2063) on Ulcerative colitis (strict) with PSC

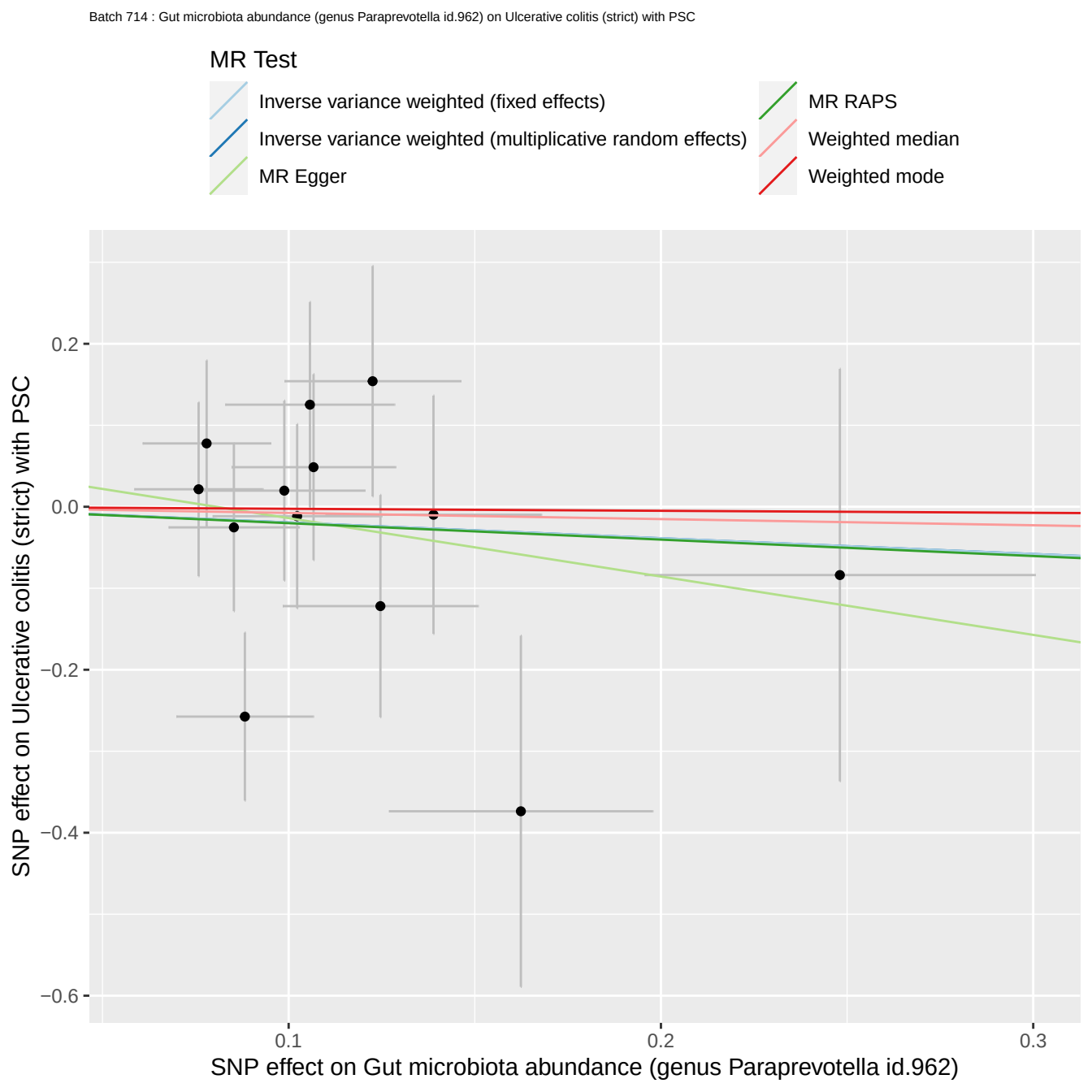


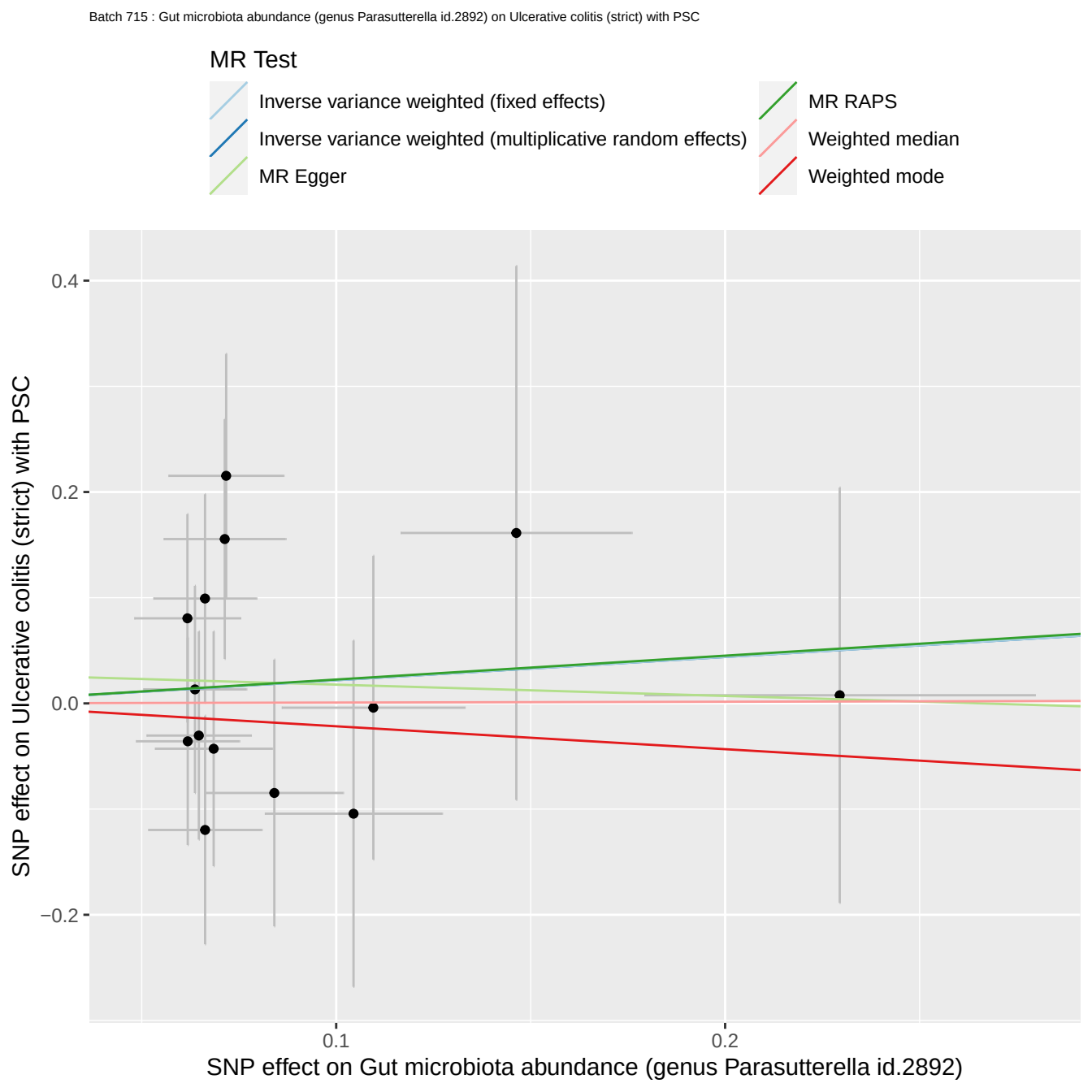
Batch 711 : Gut microbiota abundance (genus Oscillospira id.2064) on Ulcerative colitis (strict) with PSC



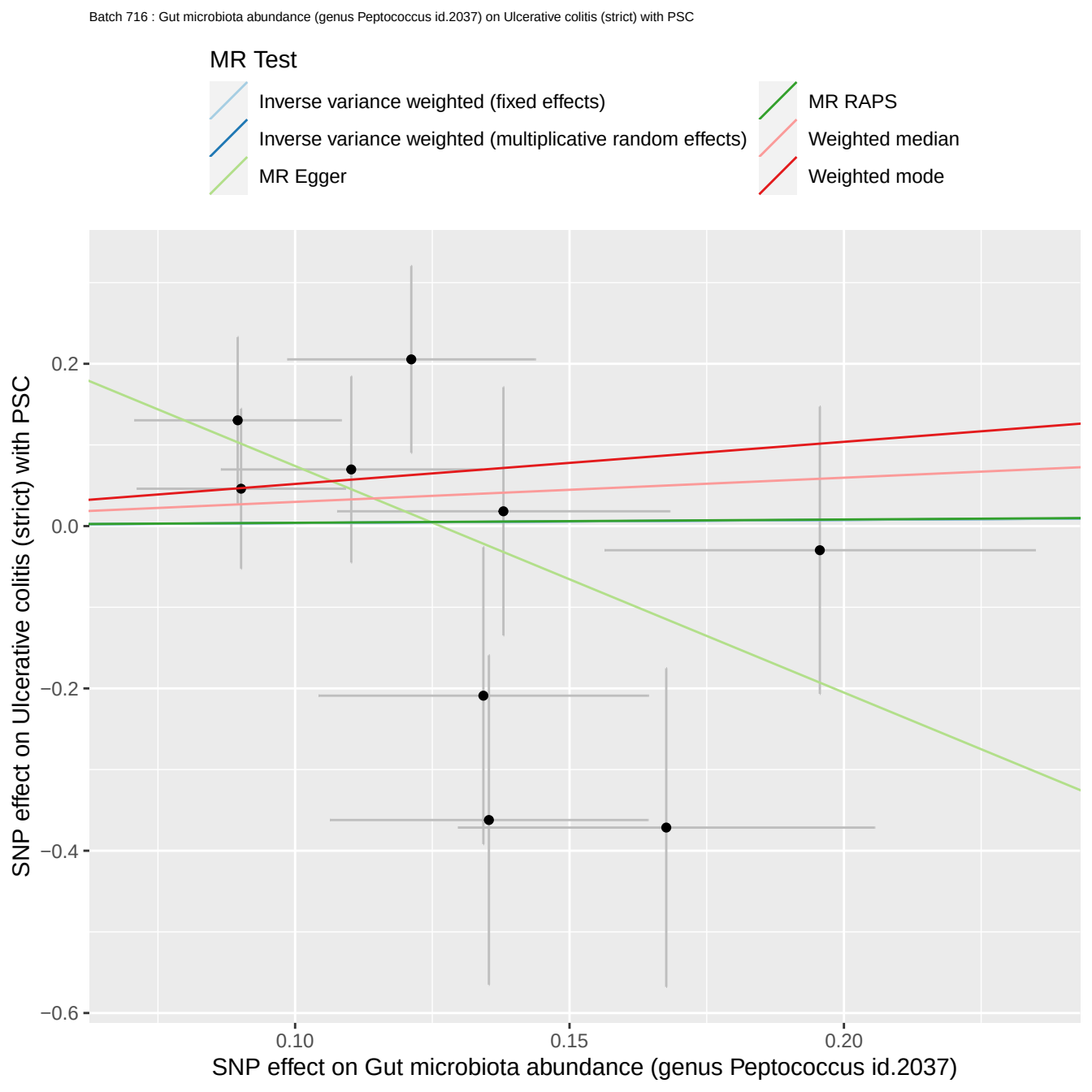

Batch 712 : Gut microbiota abundance (genus Oxalobacter id.2978) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.6
0.4
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

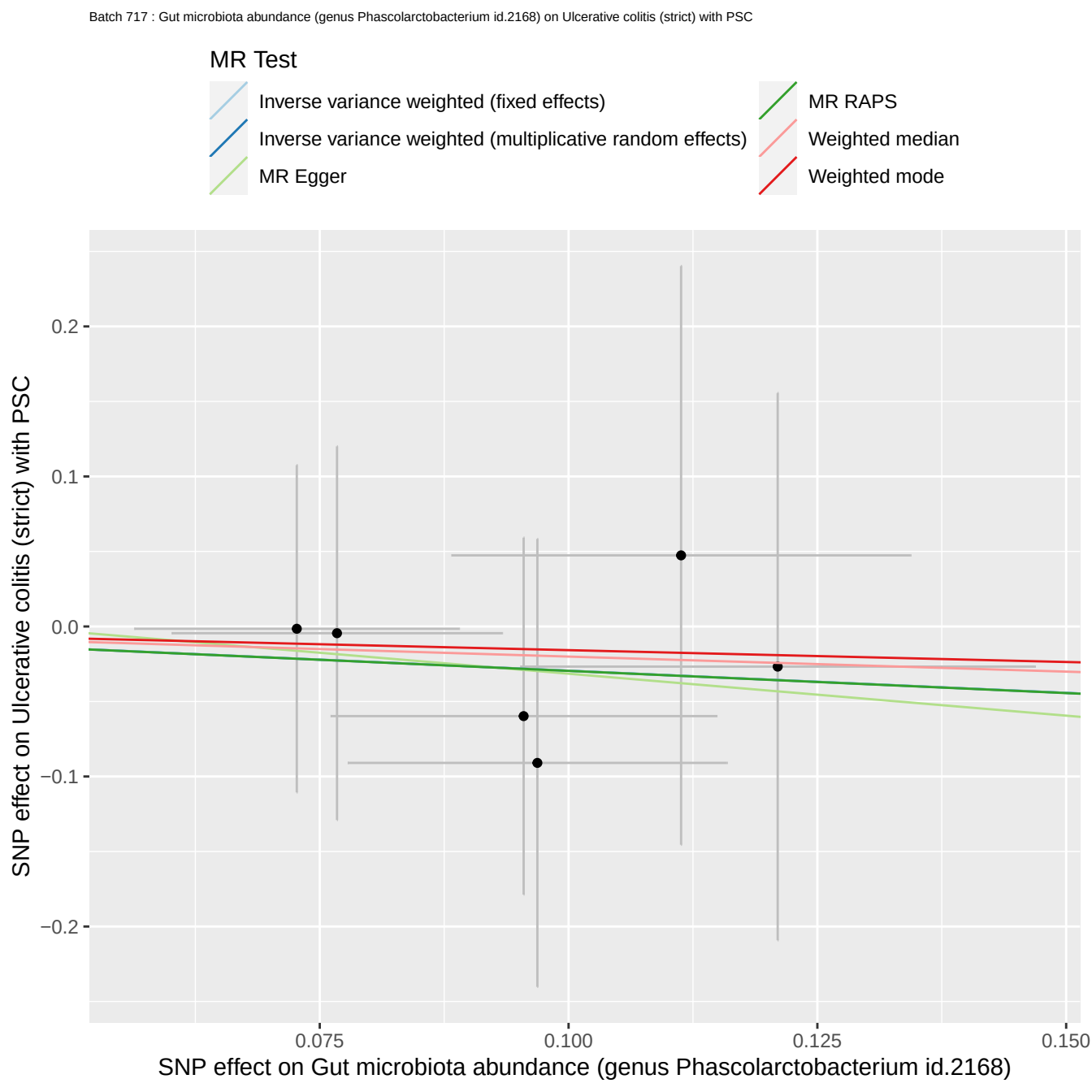

Batch 713 : Gut microbiota abundance (genus Parabacteroides id.954) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

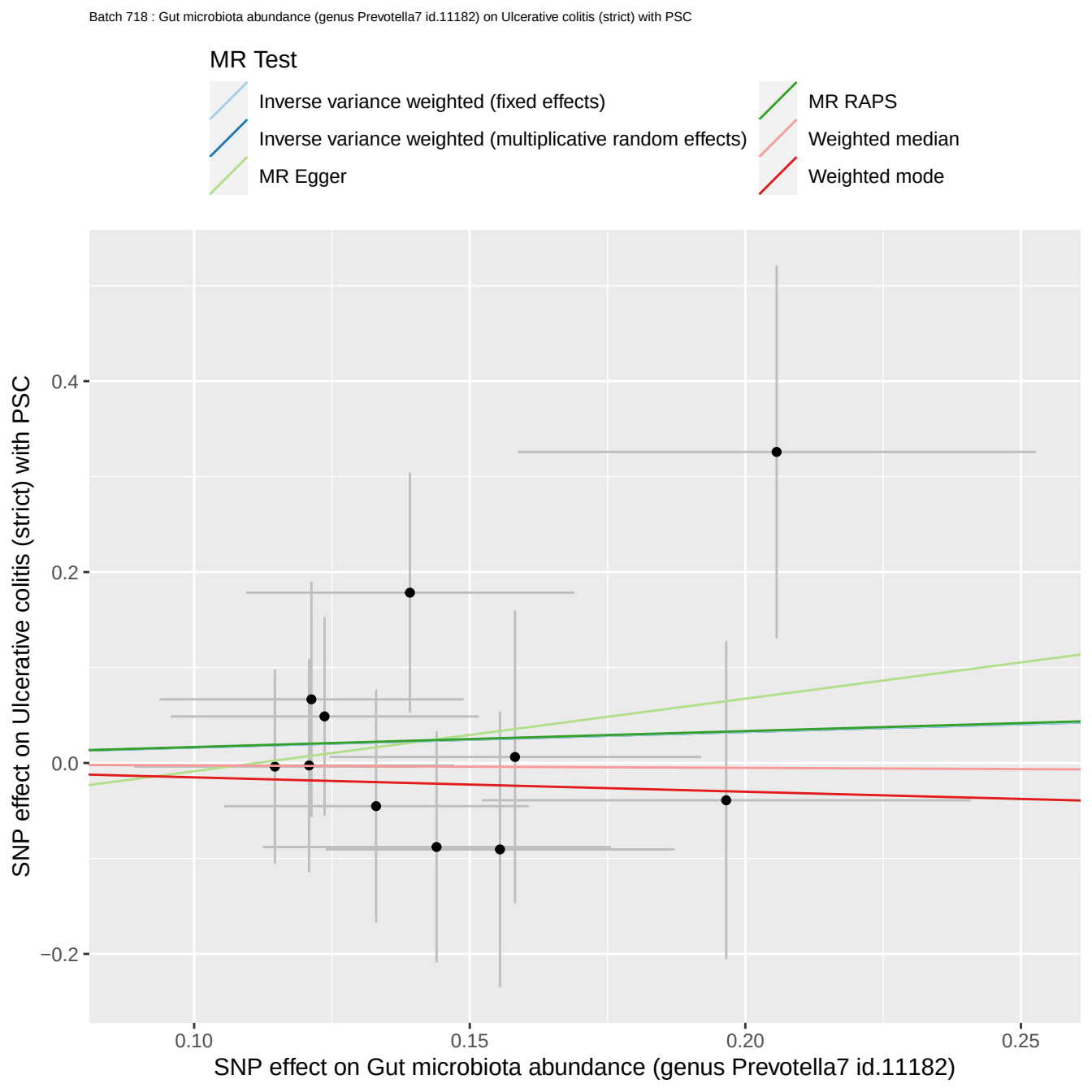

Batch 714 : Gut microbiota abundance (genus Paraprevotella id.962) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
−0.6
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

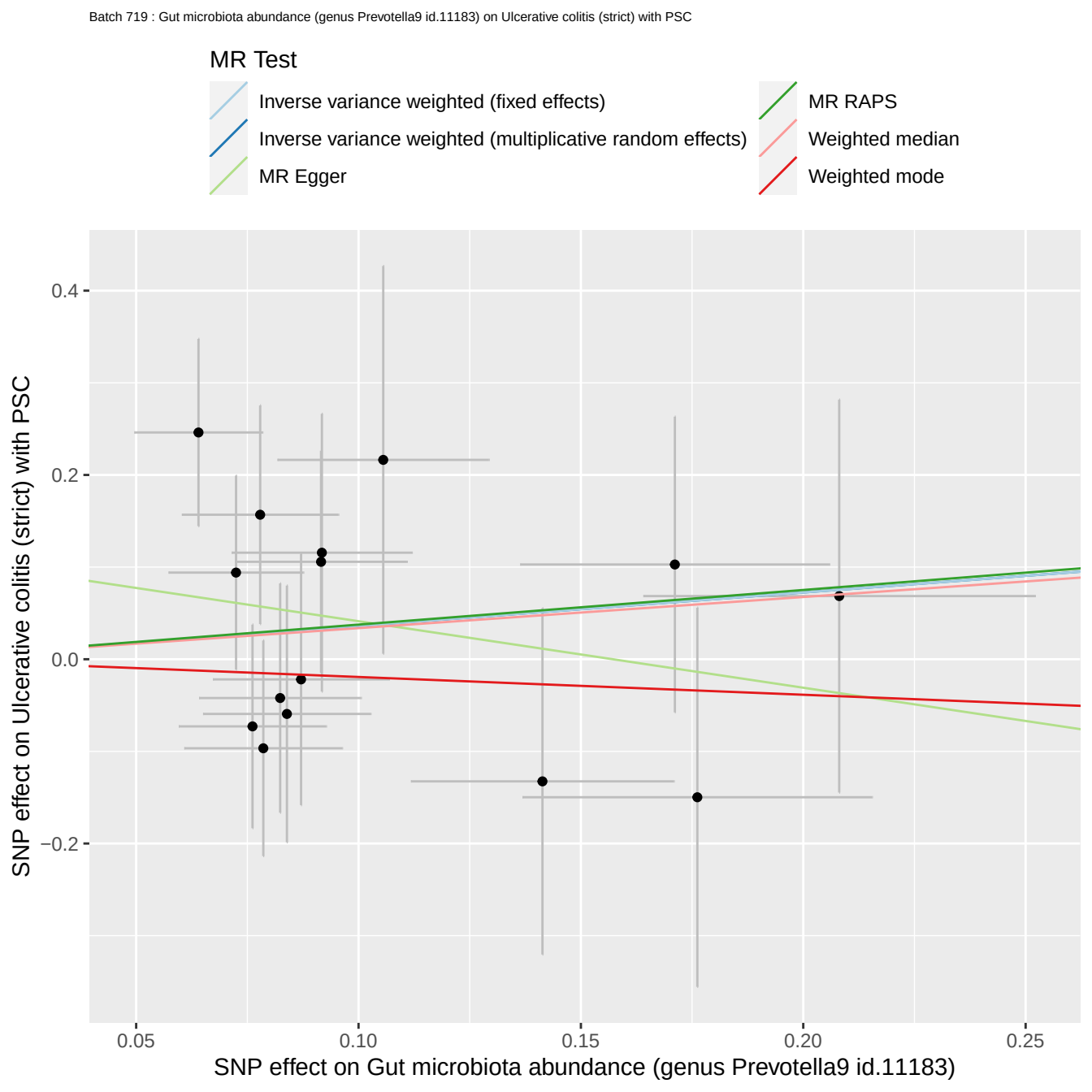

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

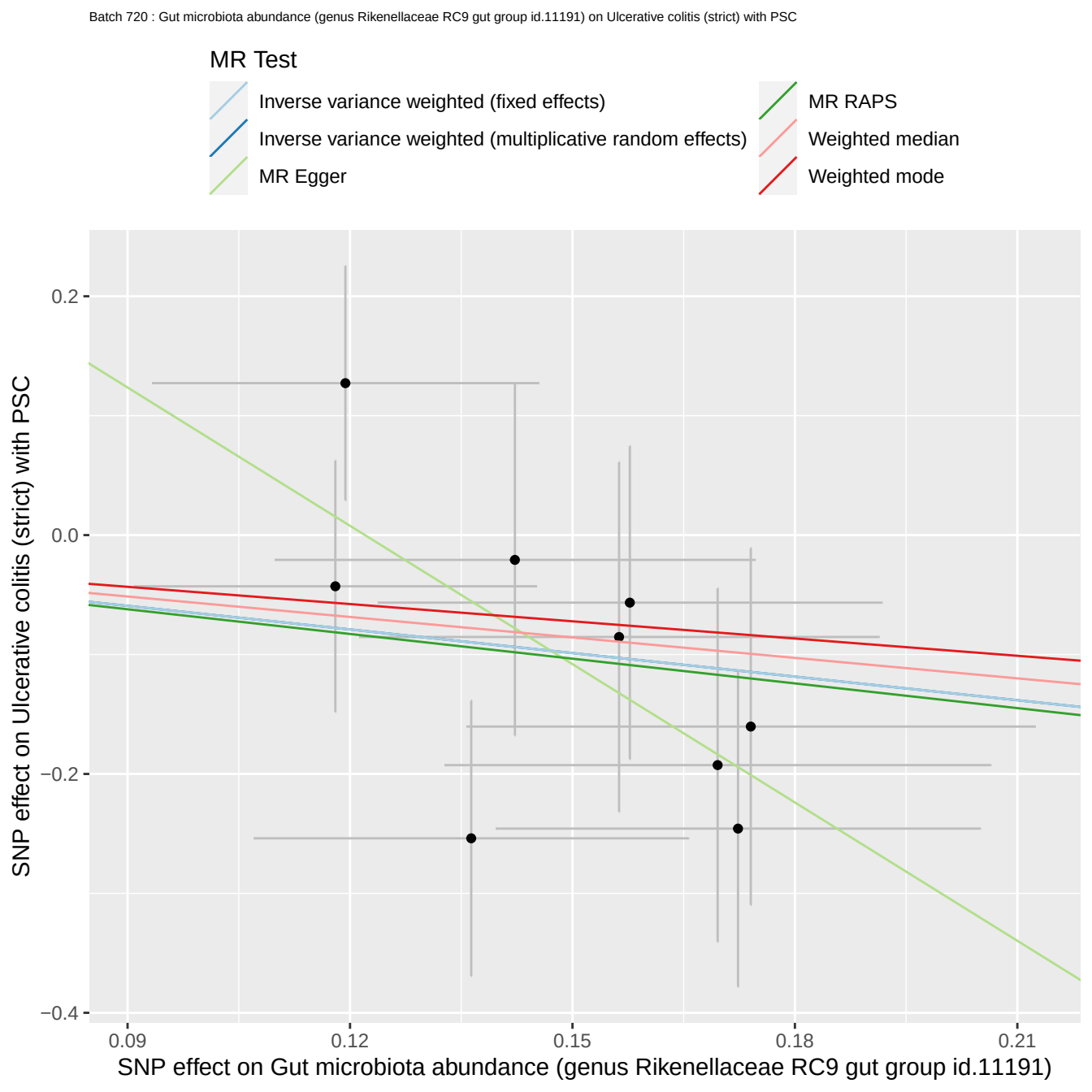
Batch 716 : Gut microbiota abundance (genus Peptococcus id.2037) on Ulcerative colitis (strict) with PSC

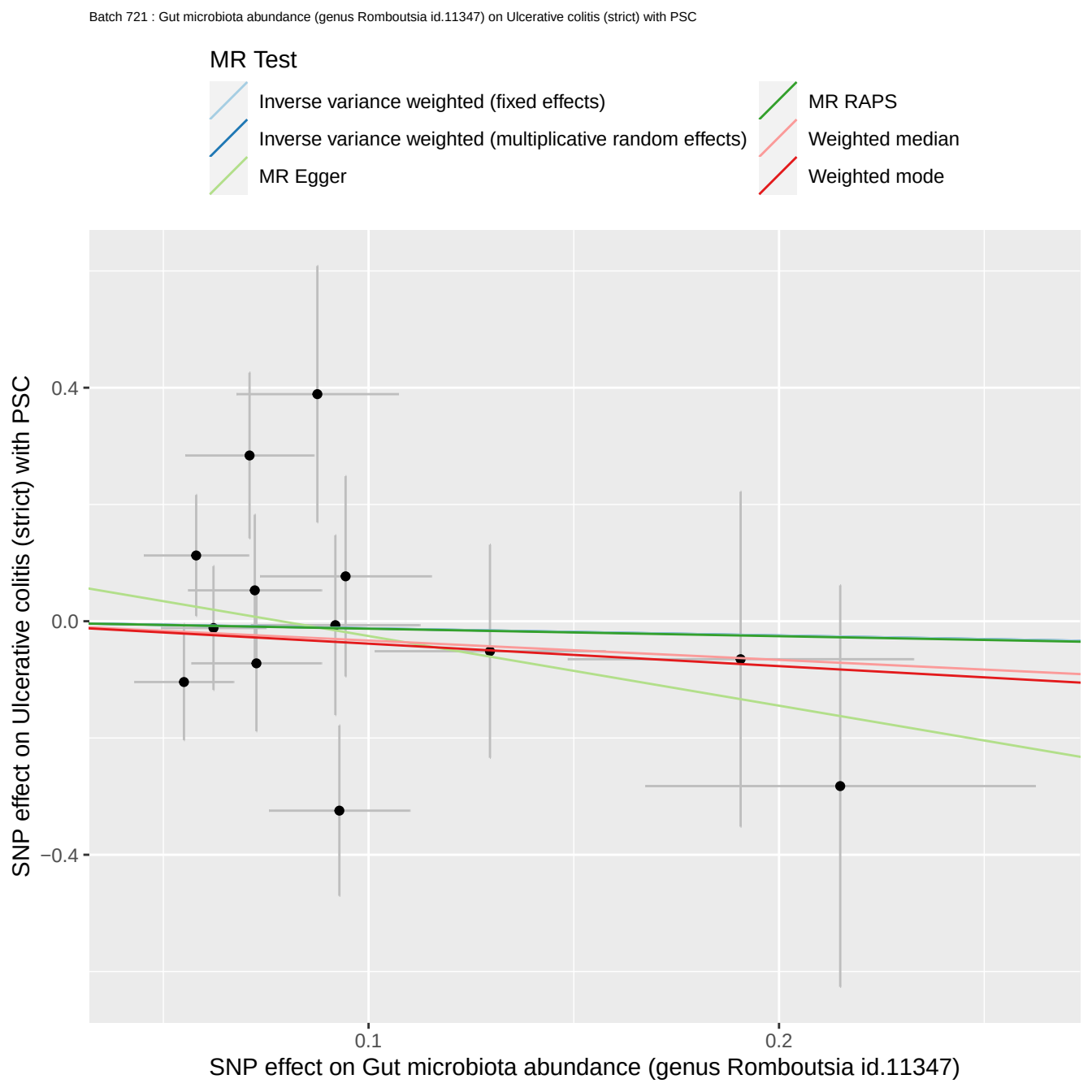



Batch 717 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.1
0.0
−0.1
−0.2
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

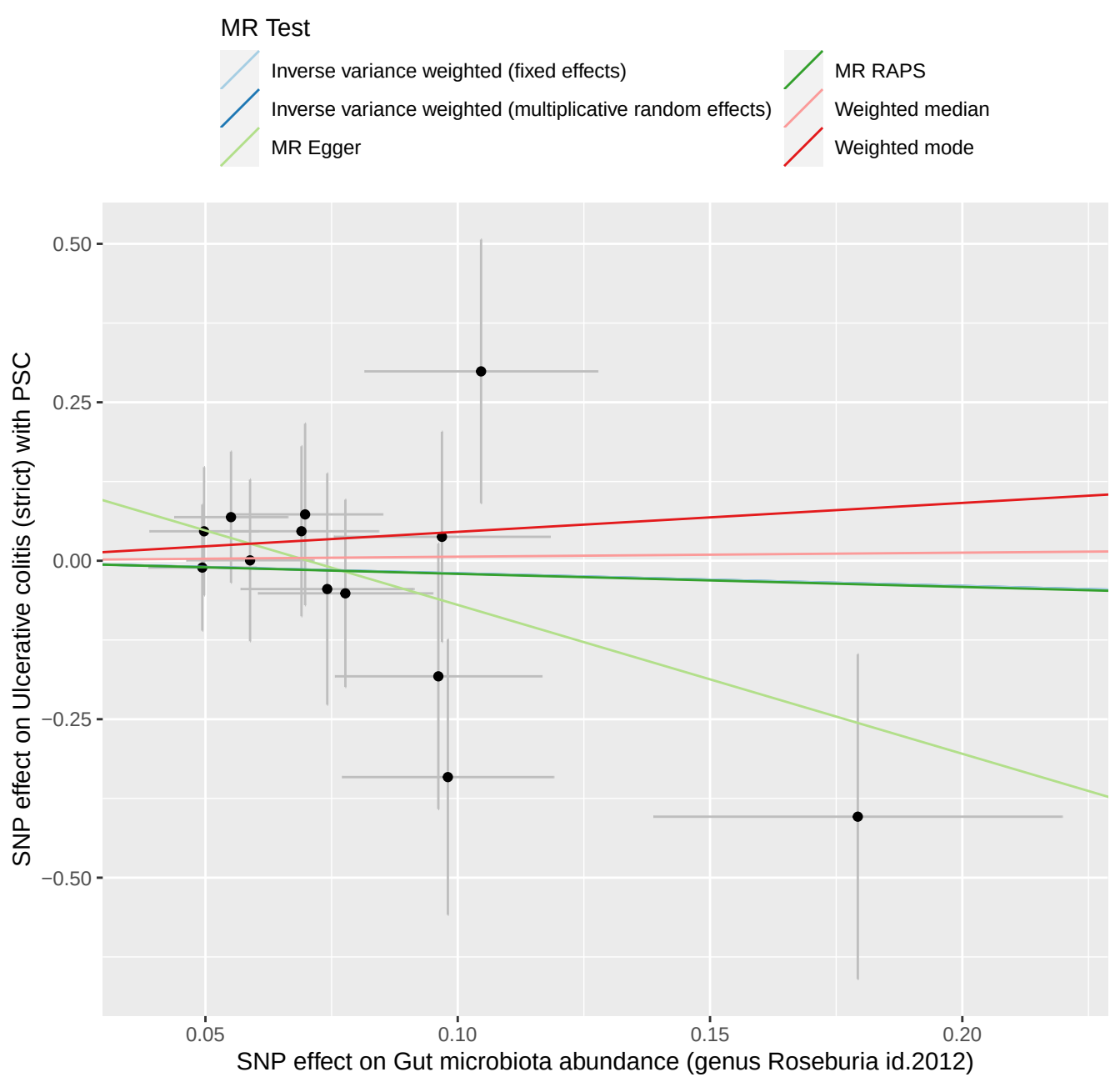

Batch 718 : Gut microbiota abundance (genus Prevotella7 id.11182) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)


Batch 719 : Gut microbiota abundance (genus Prevotella9 id.11183) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

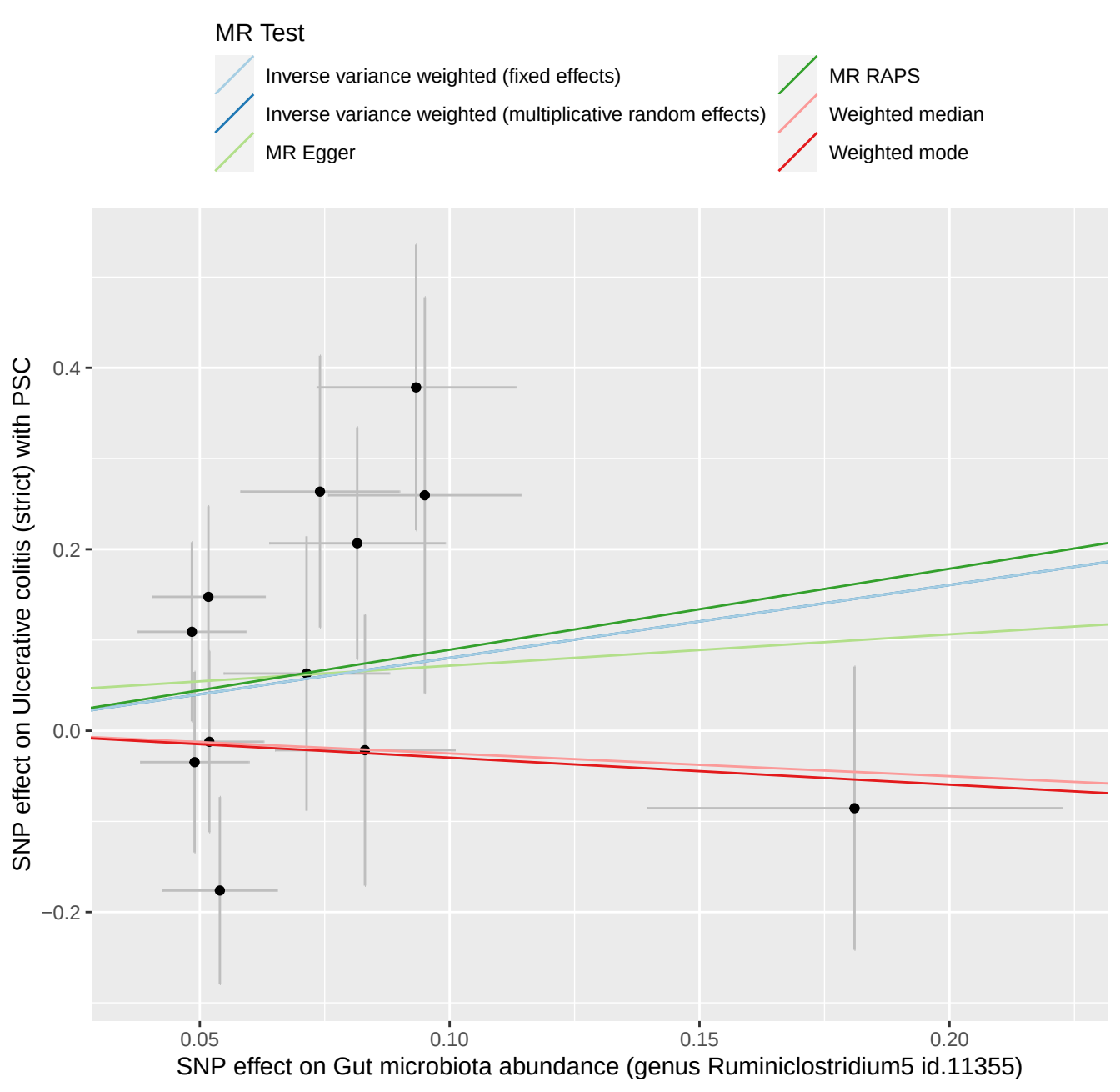

Batch 720 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

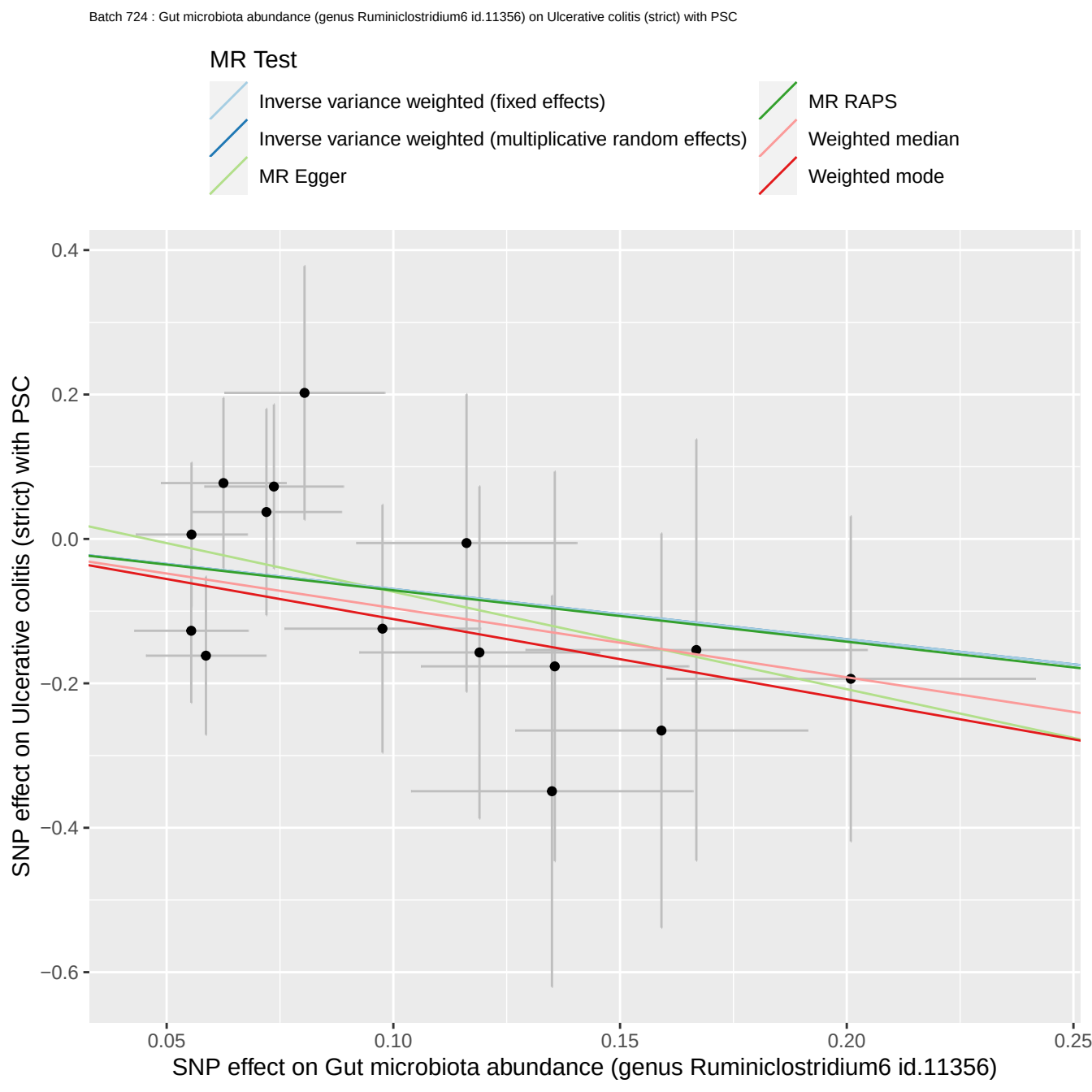

Batch 721 : Gut microbiota abundance (genus Romboutsia id.11347) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

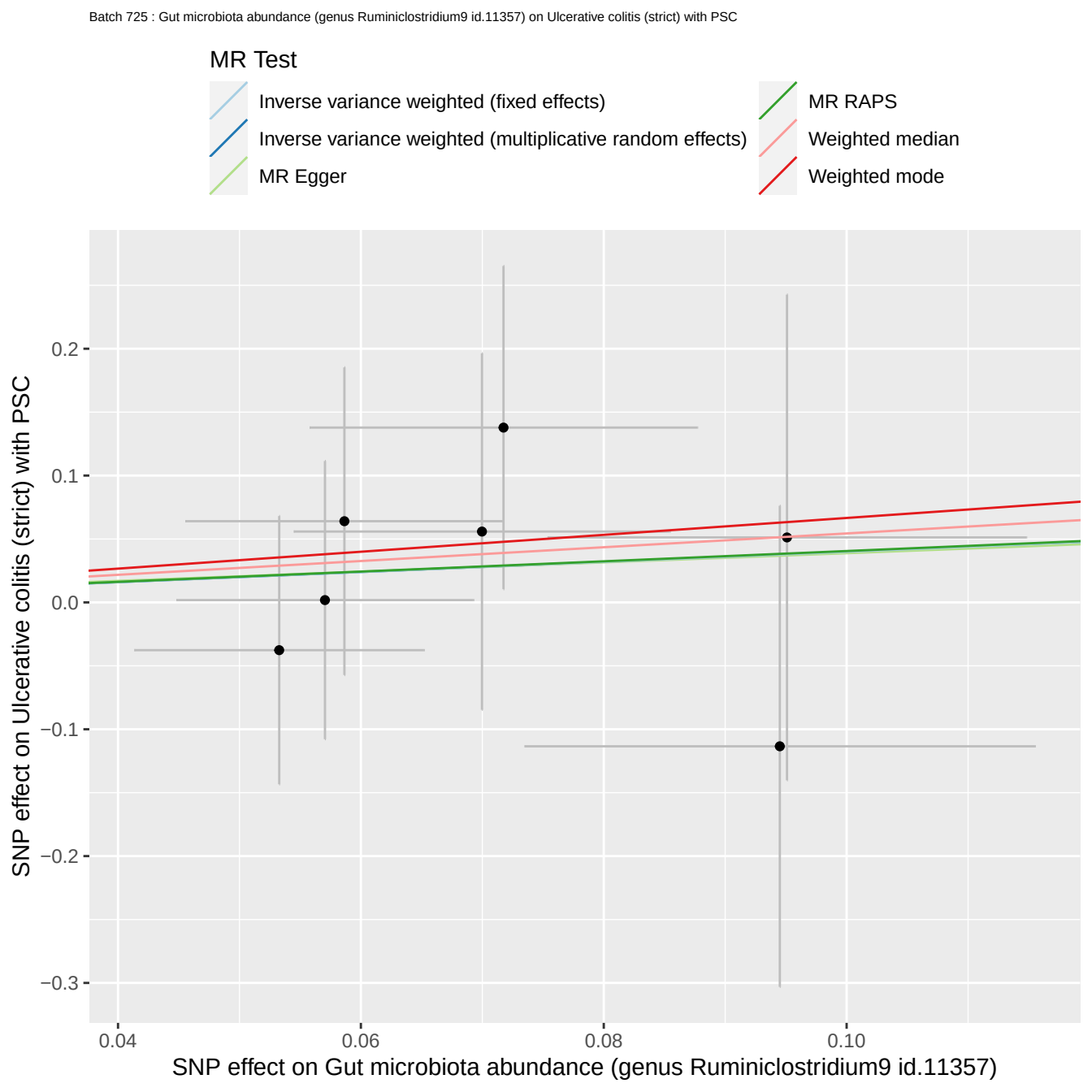
Batch 722 : Gut microbiota abundance (genus Roseburia id.2012) on Ulcerative colitis (strict) with PSC



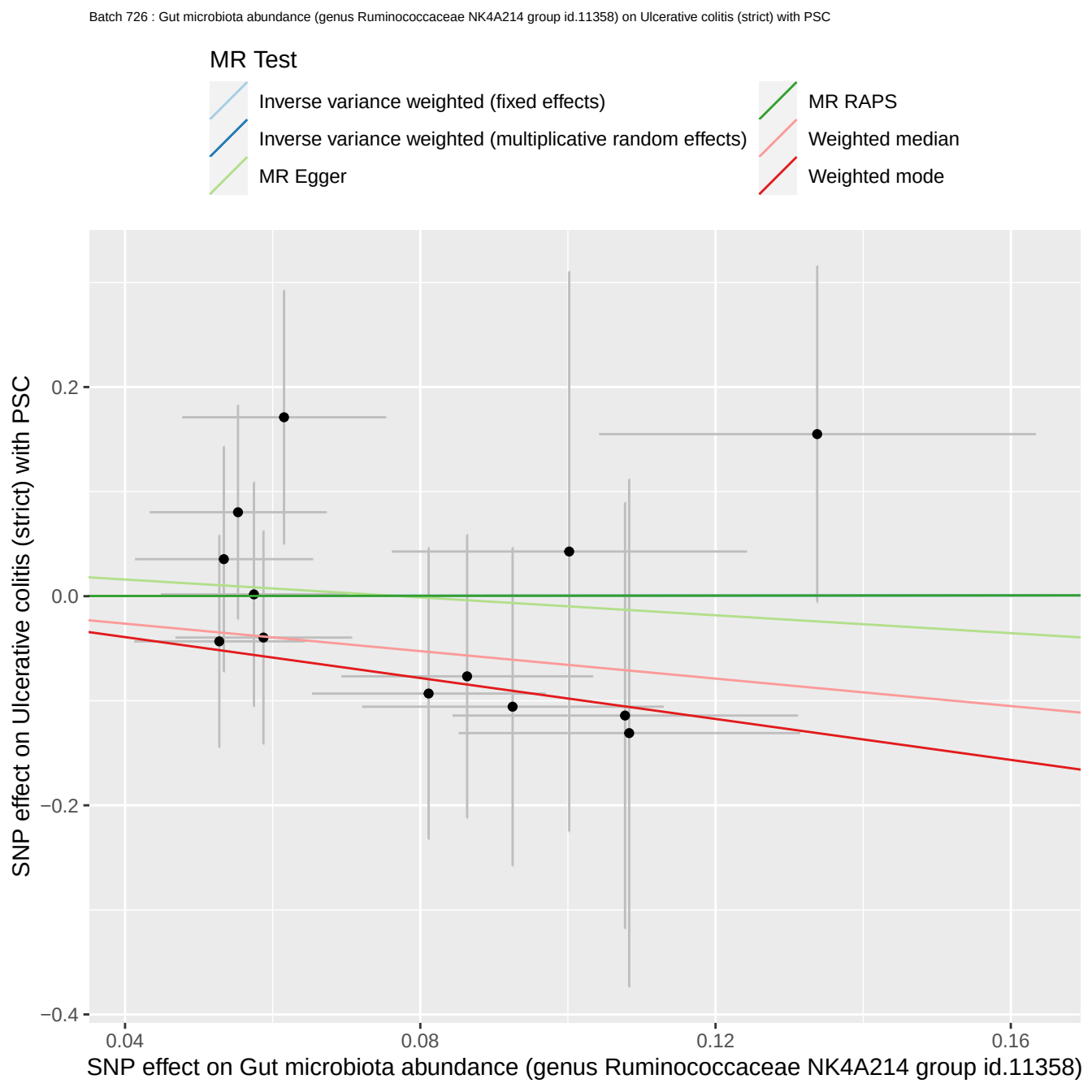
Batch 723 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Ulcerative colitis (strict) with PSC

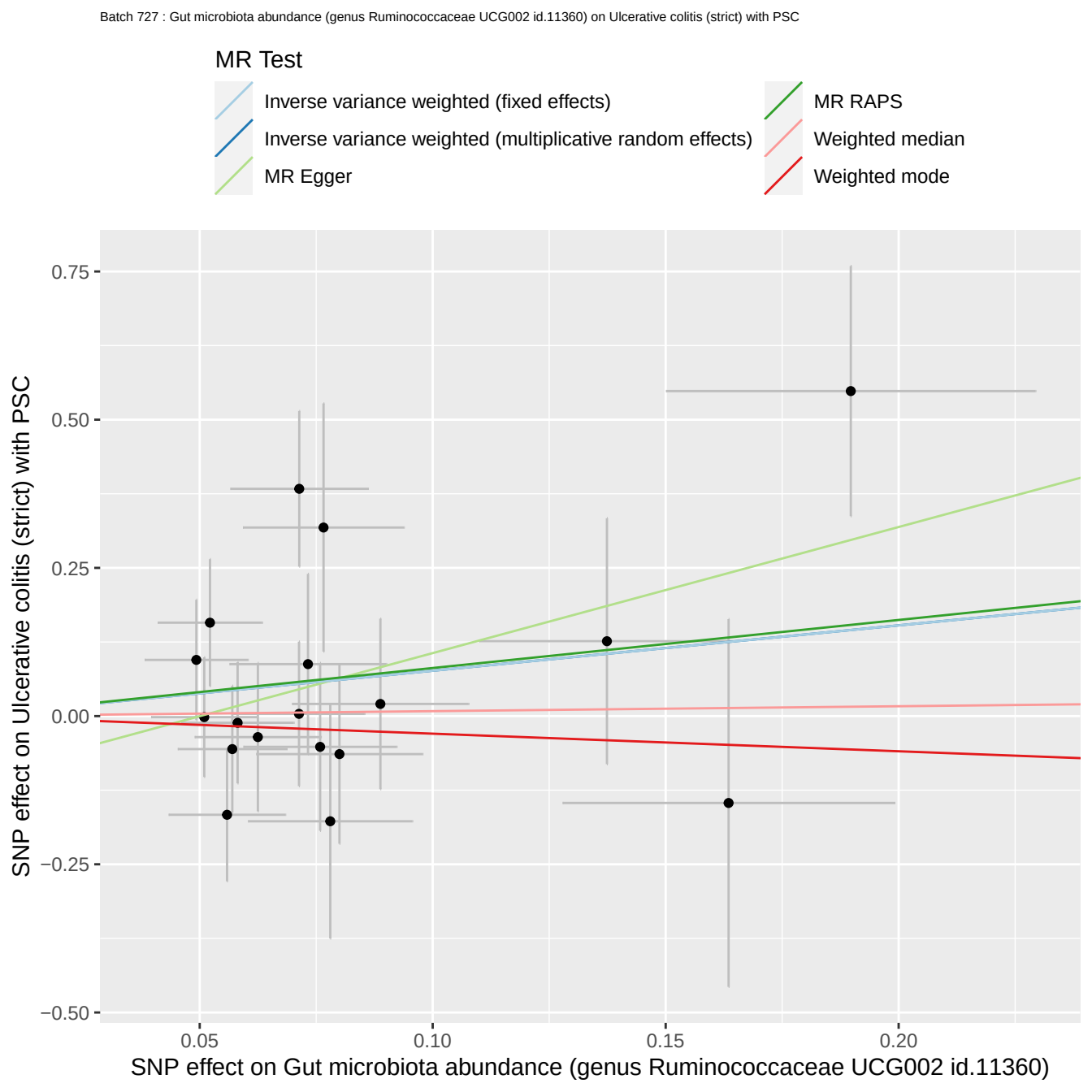



Batch 724 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
−0.6
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

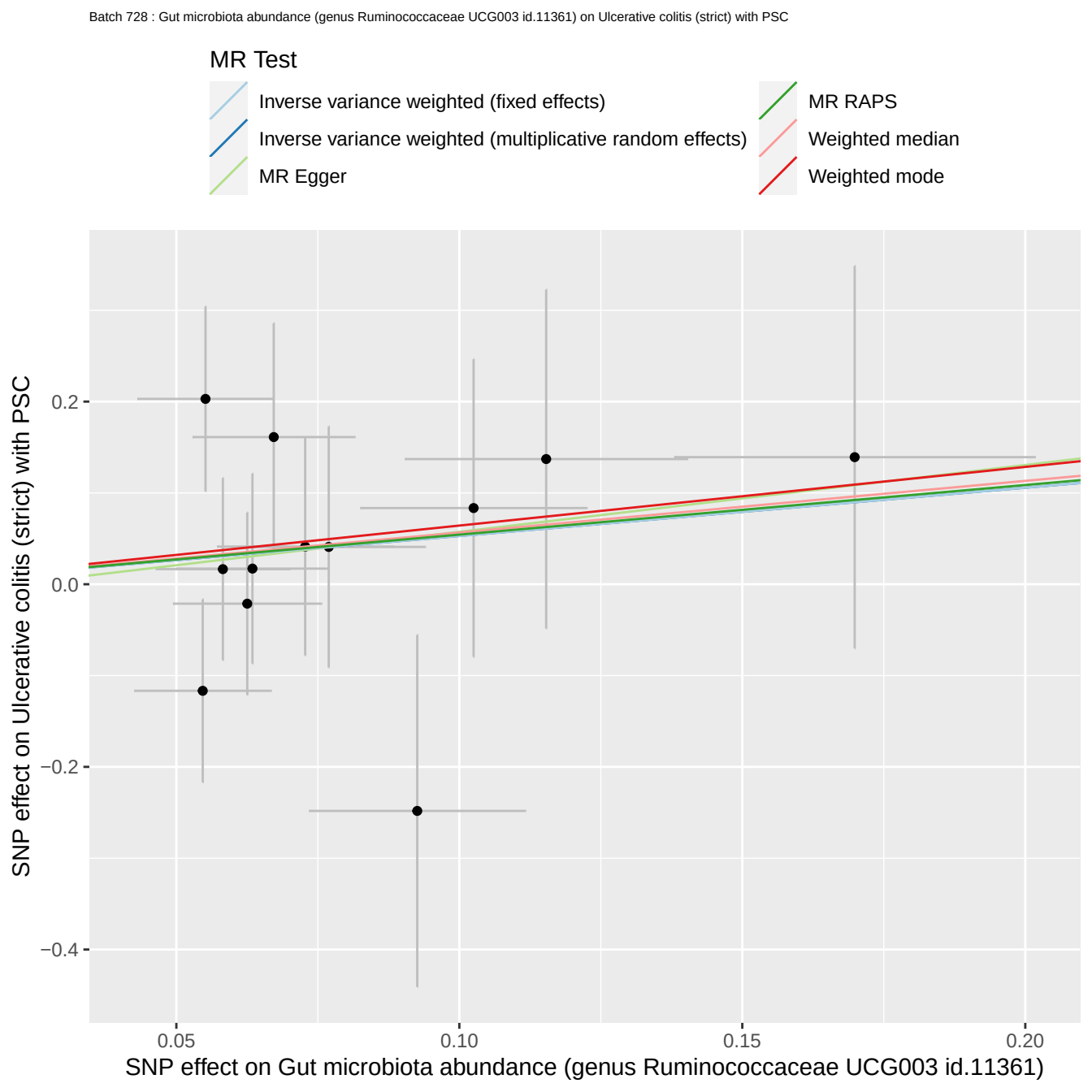

Batch 725 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

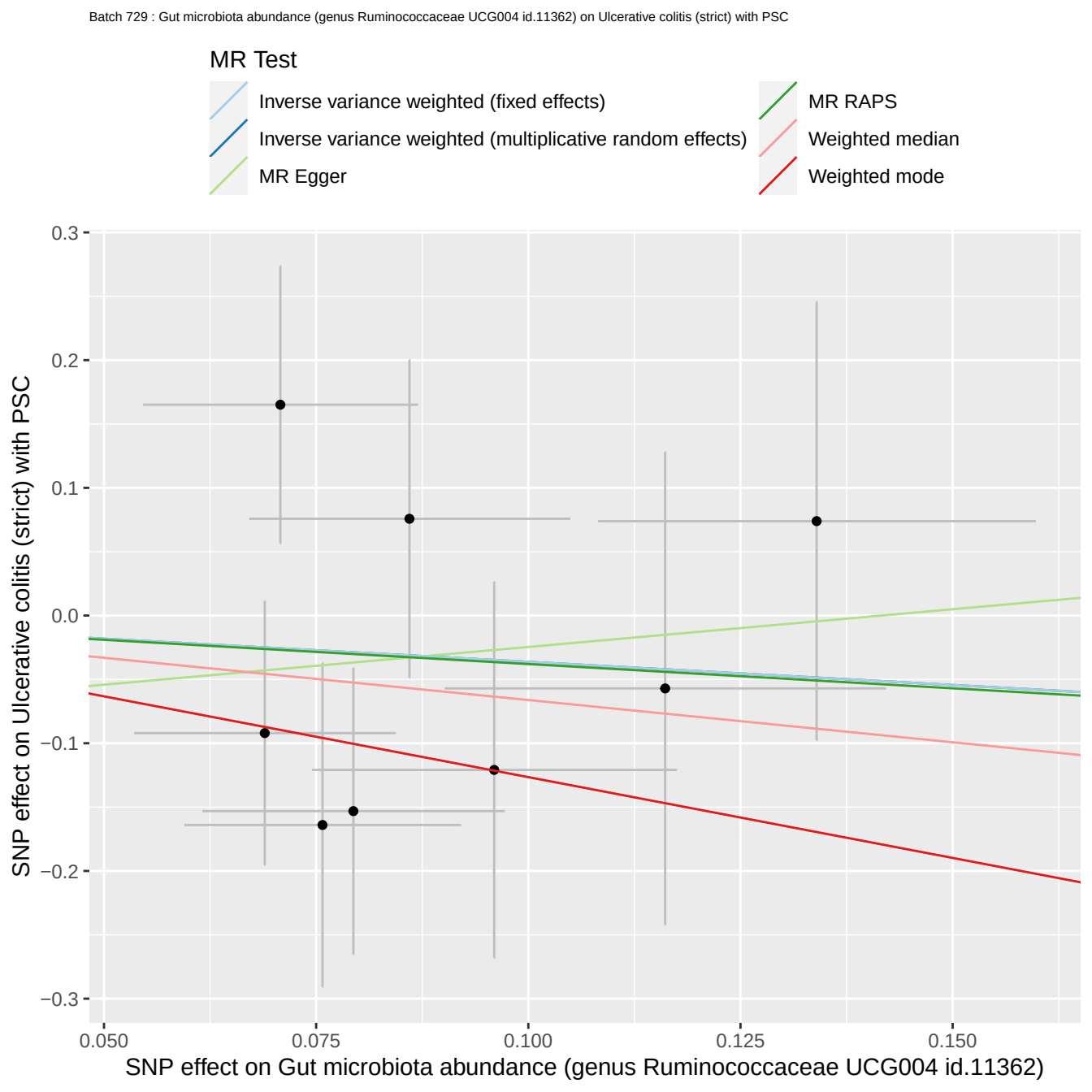
Batch 726 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Ulcerative colitis (strict) with PSC

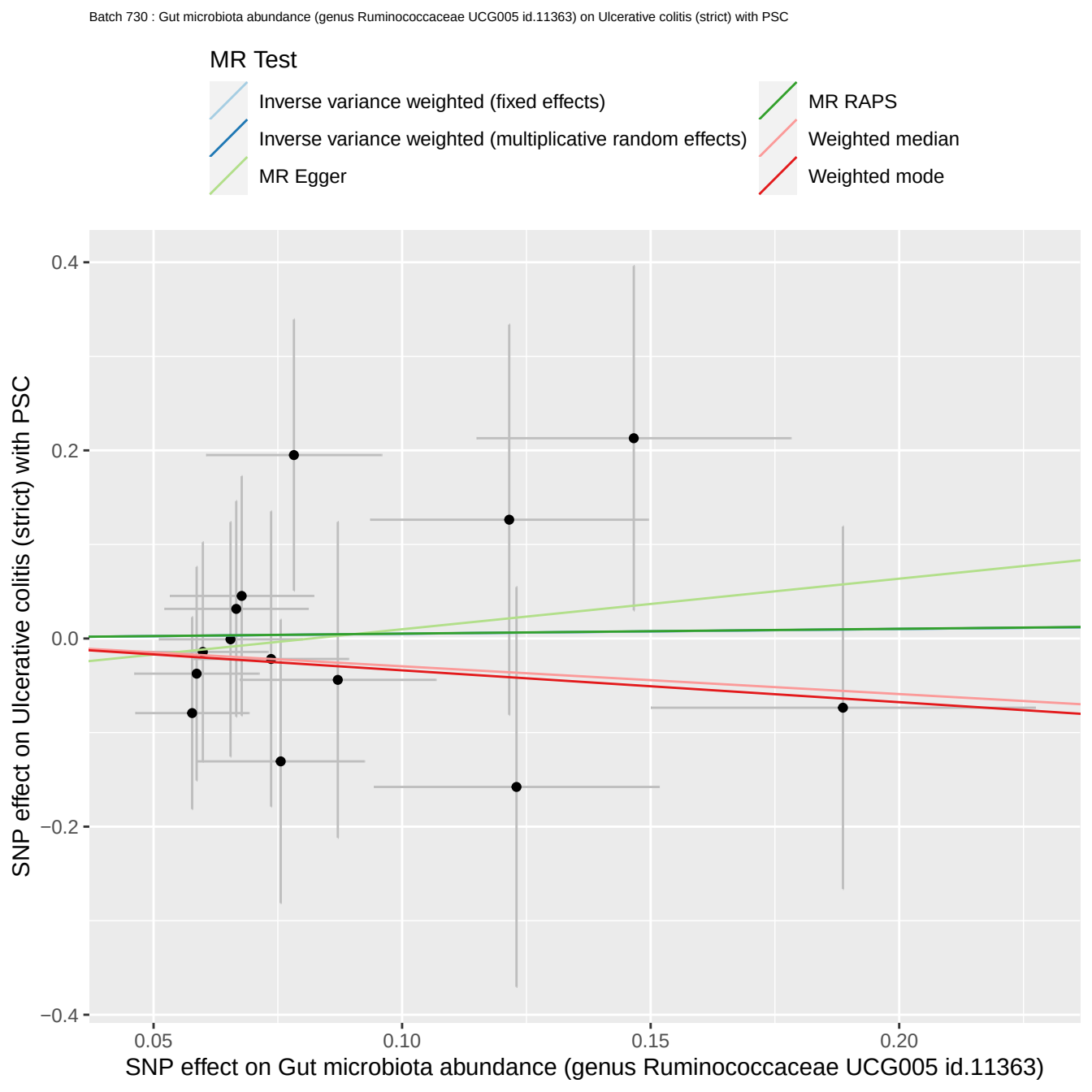



Batch 727 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.75
0.50
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

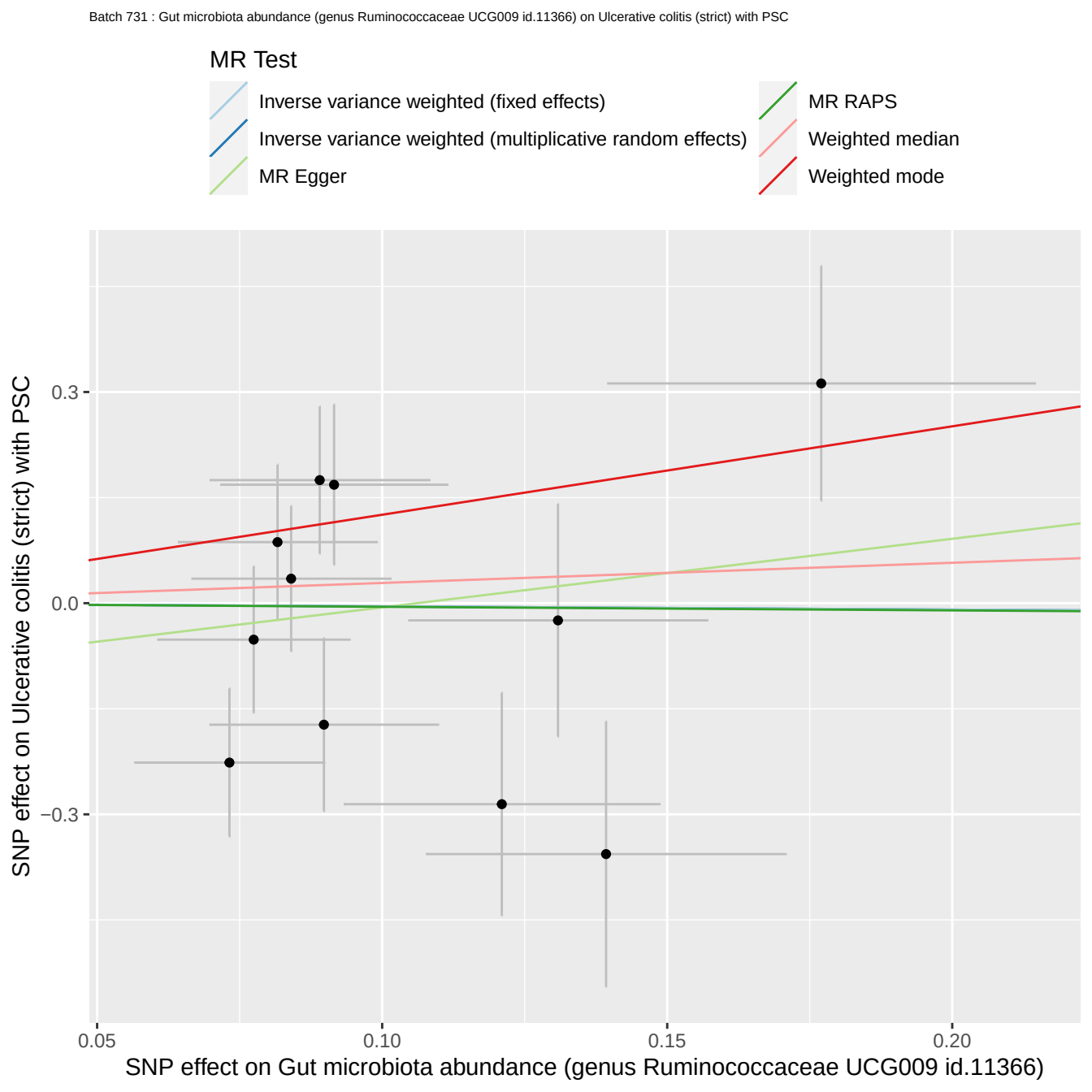
Batch 728 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Ulcerative colitis (strict) with PSC

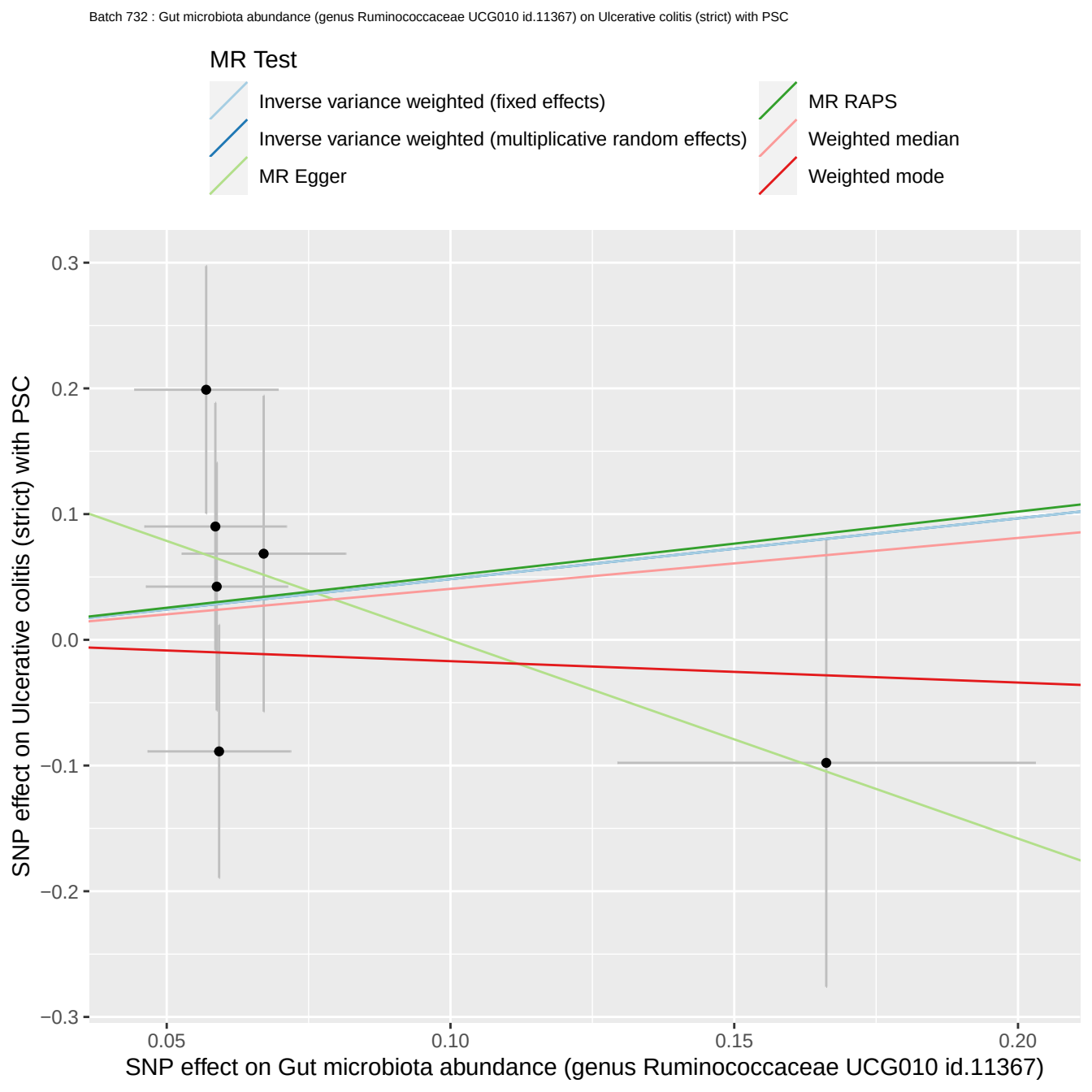


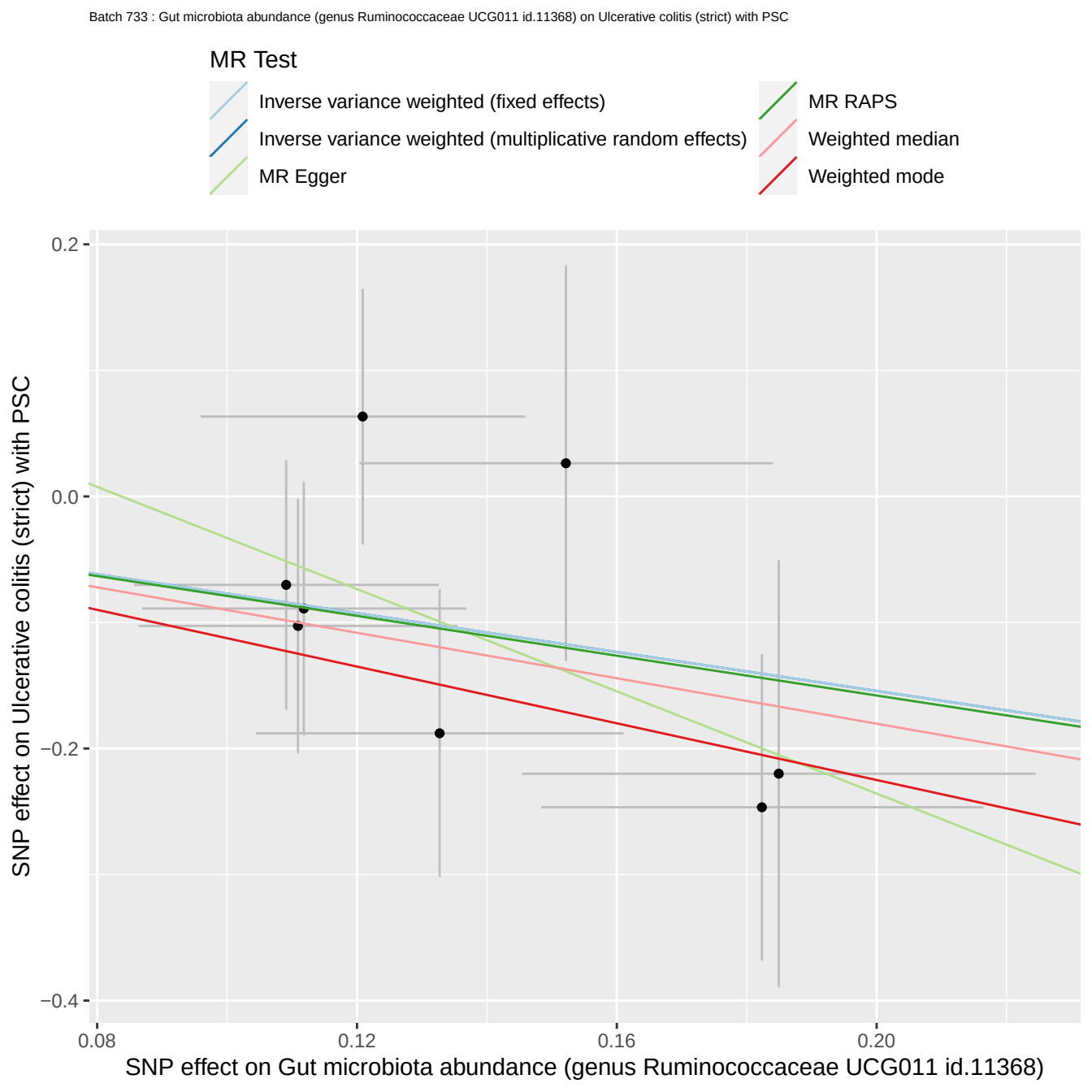

Batch 729 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)


Batch 730 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

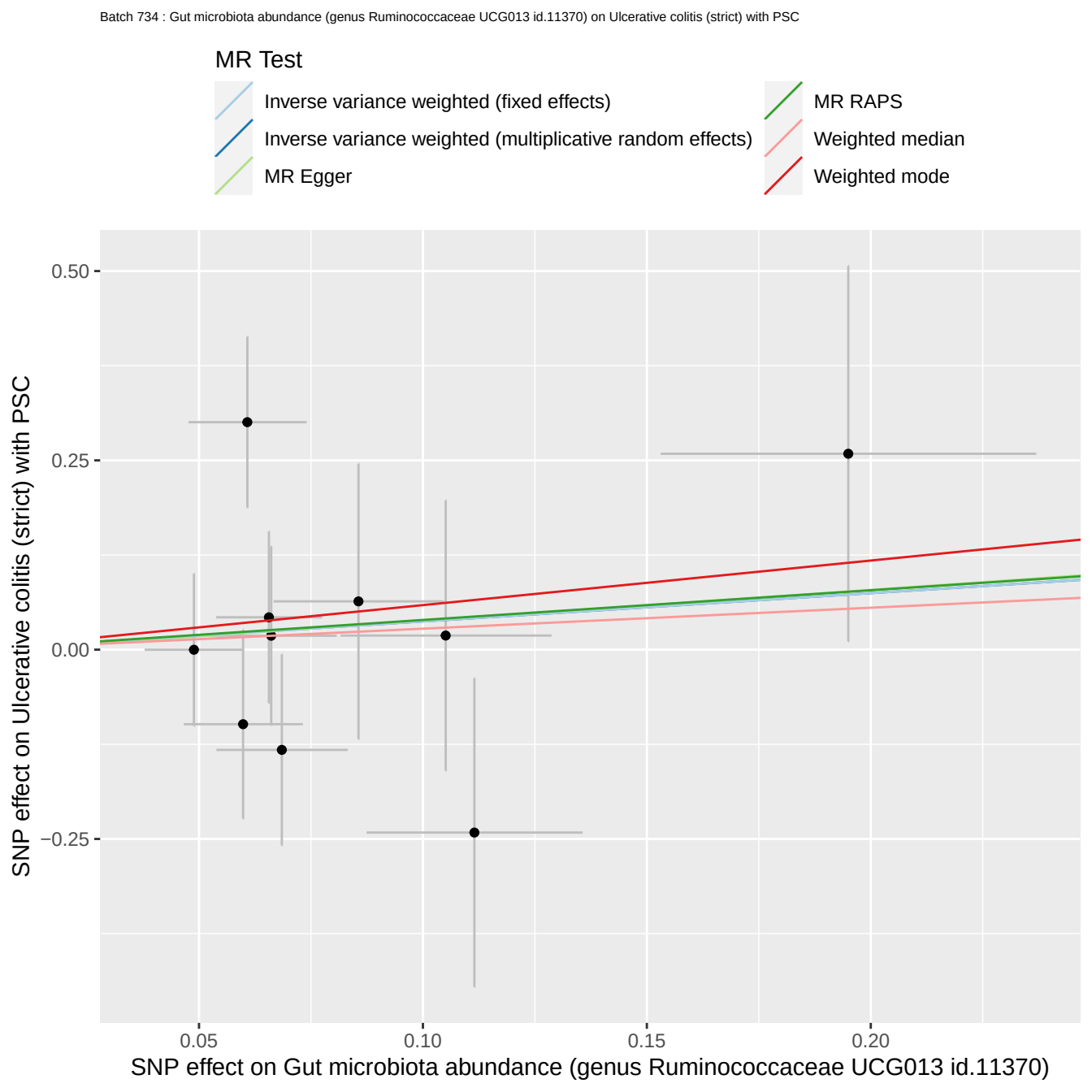
Batch 731 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Ulcerative colitis (strict) with PSC

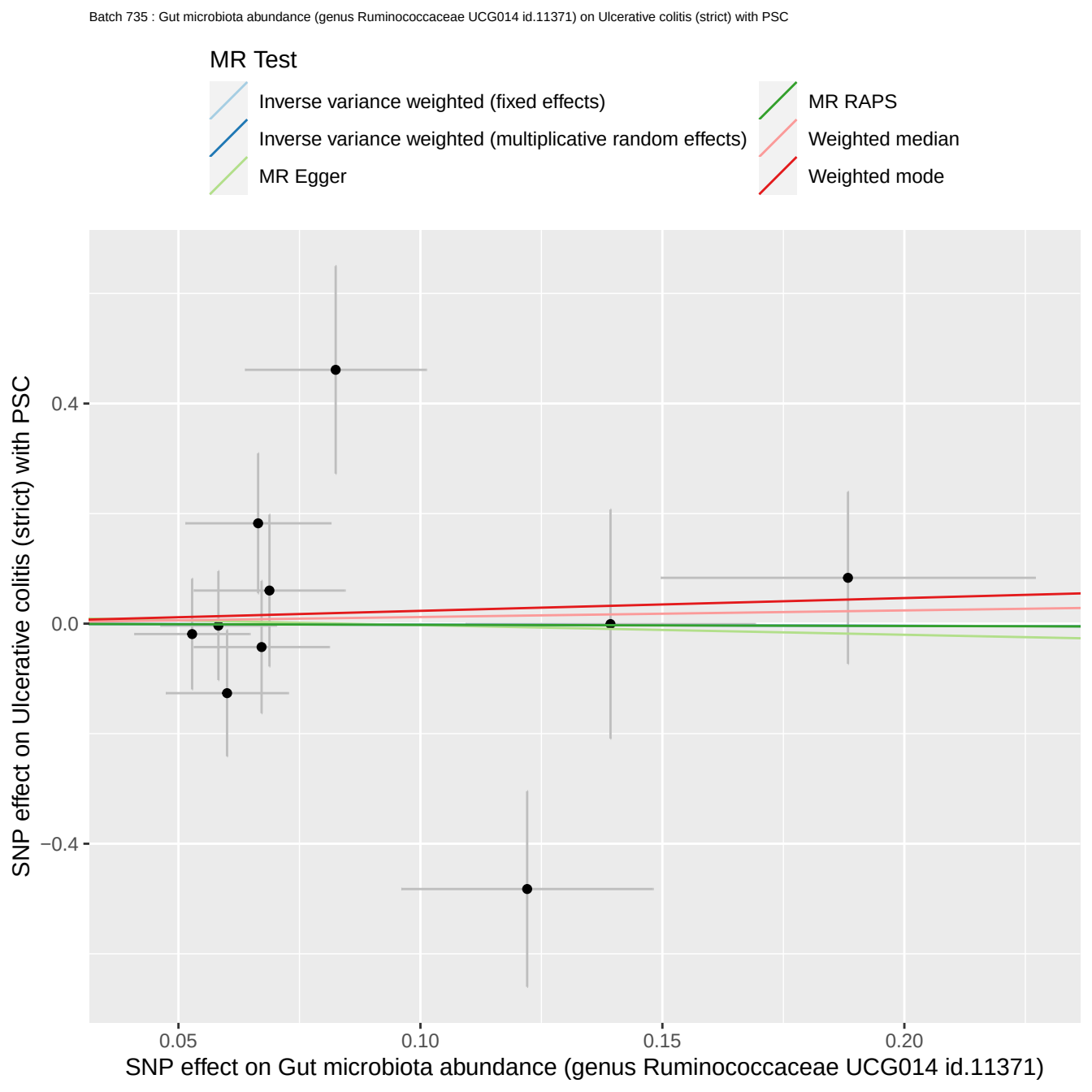


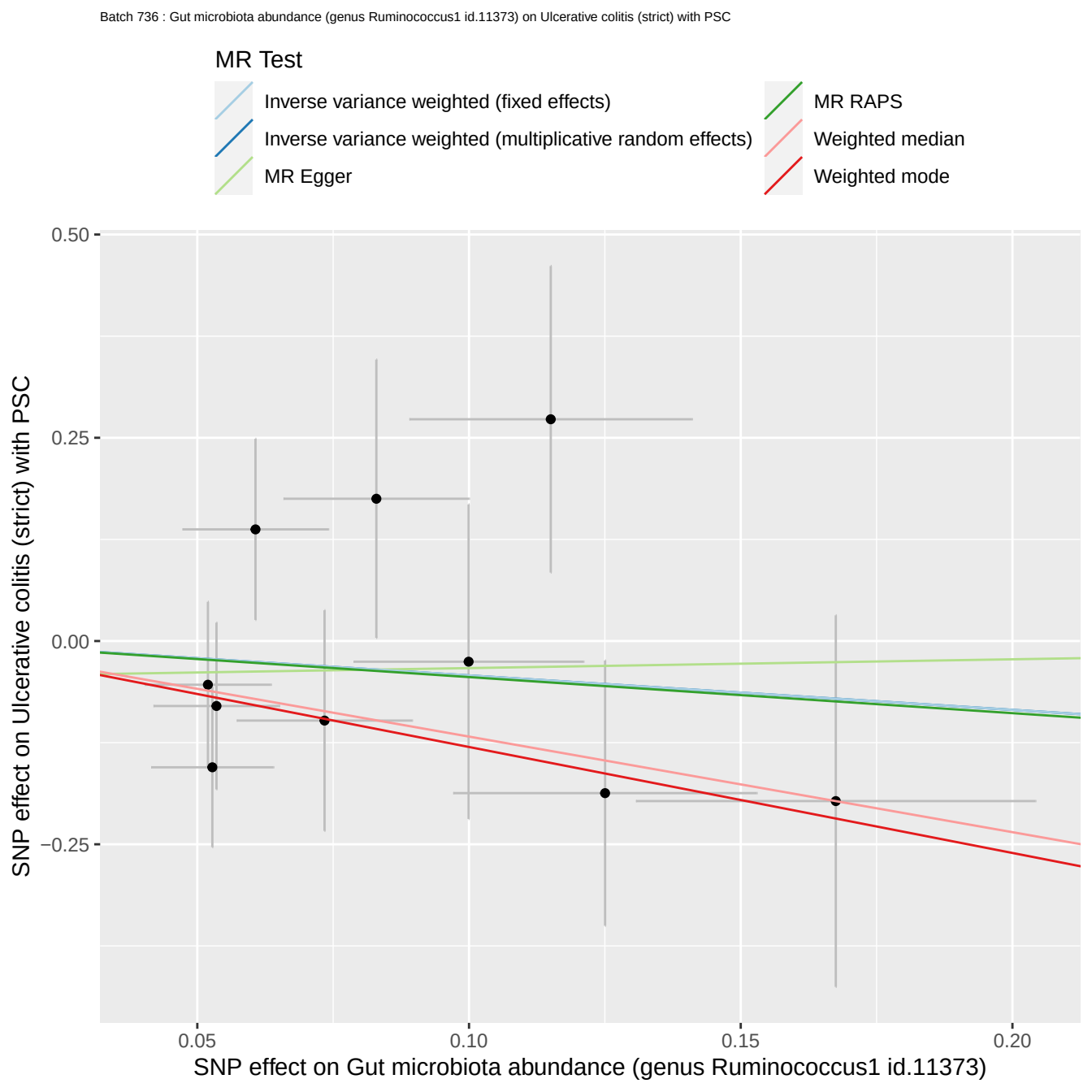

Batch 732 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

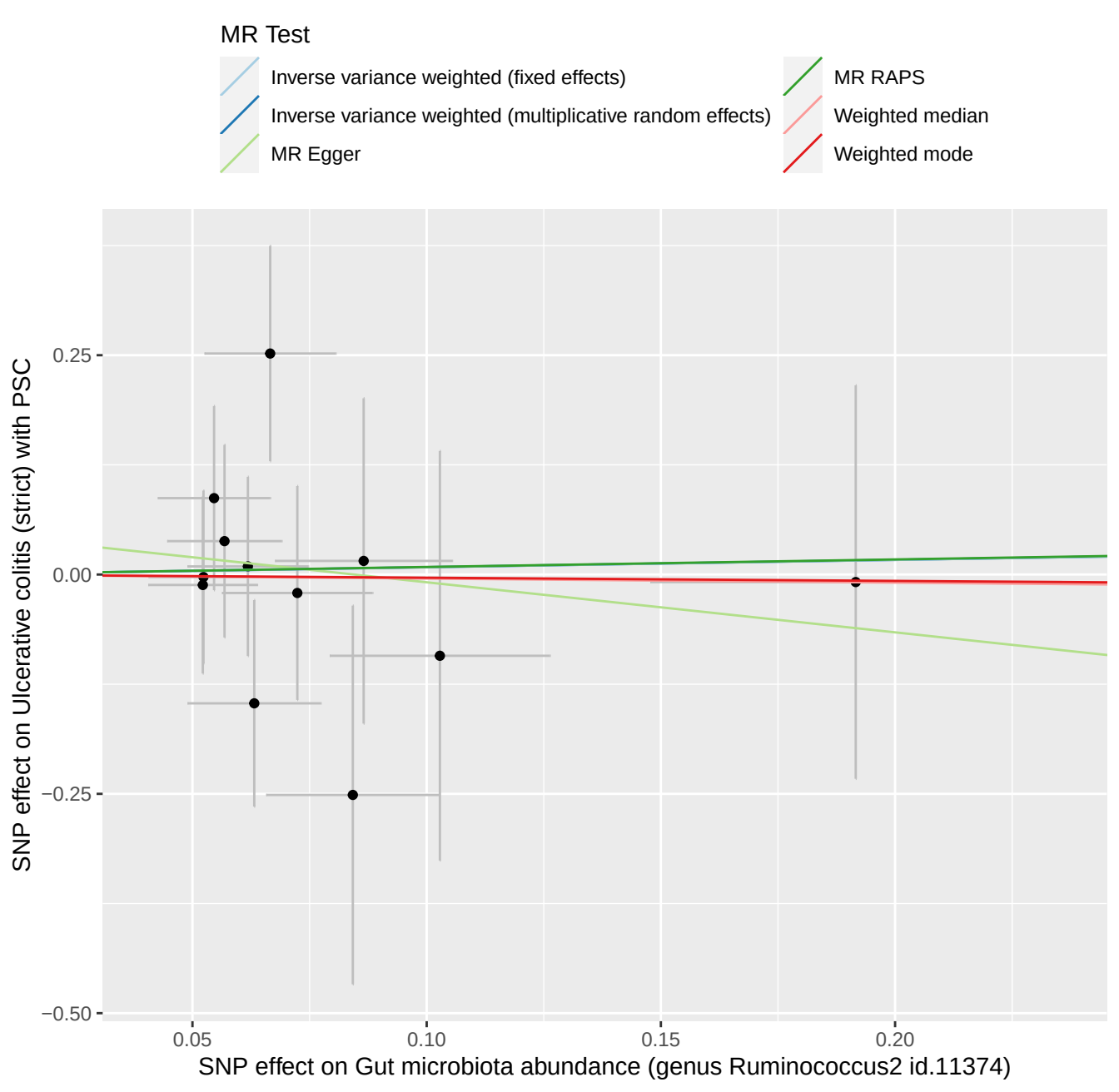

Batch 733 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Ulcerative colitis (strict) with PSC
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

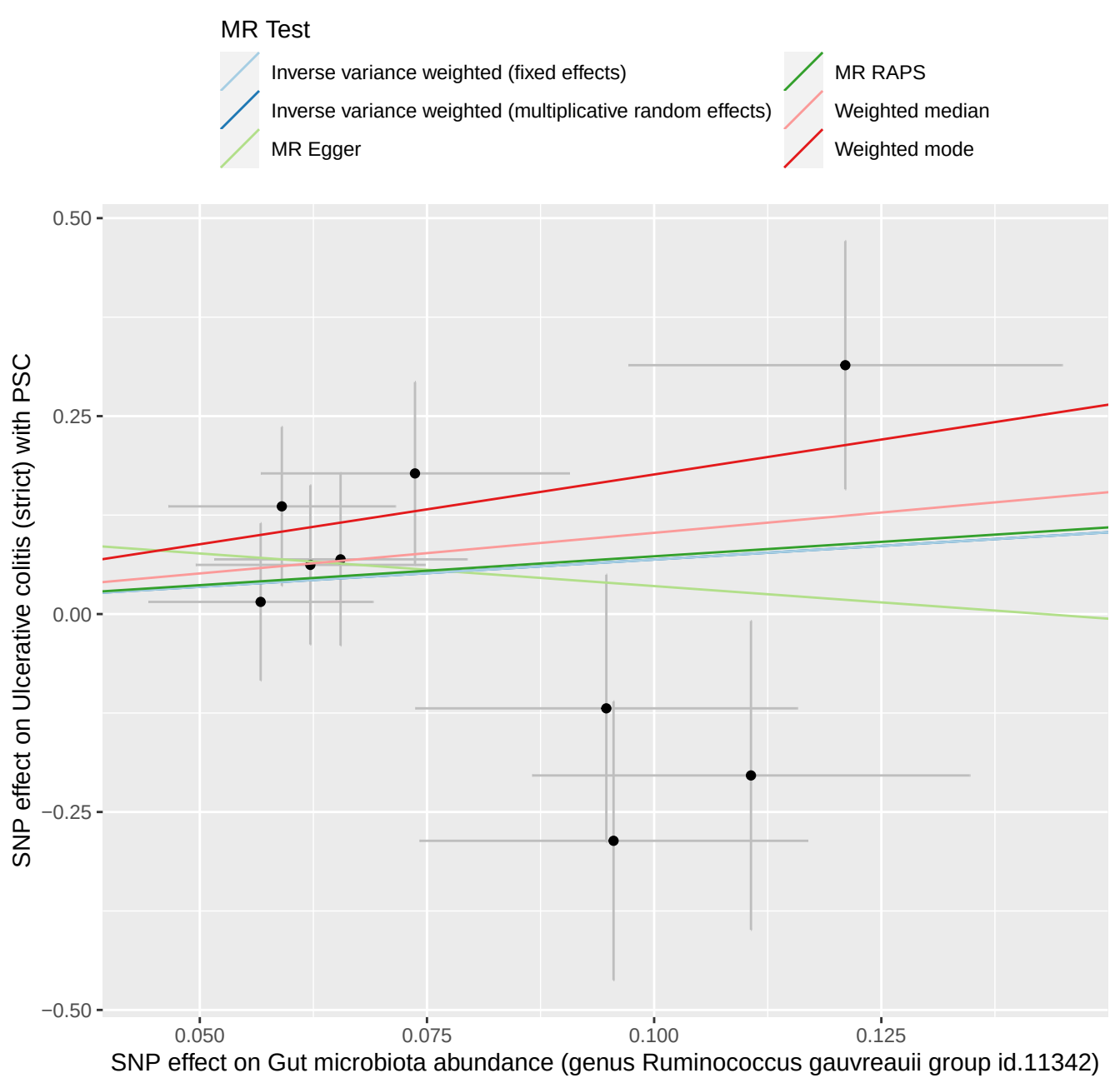
Batch 734 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Ulcerative colitis (strict) with PSC



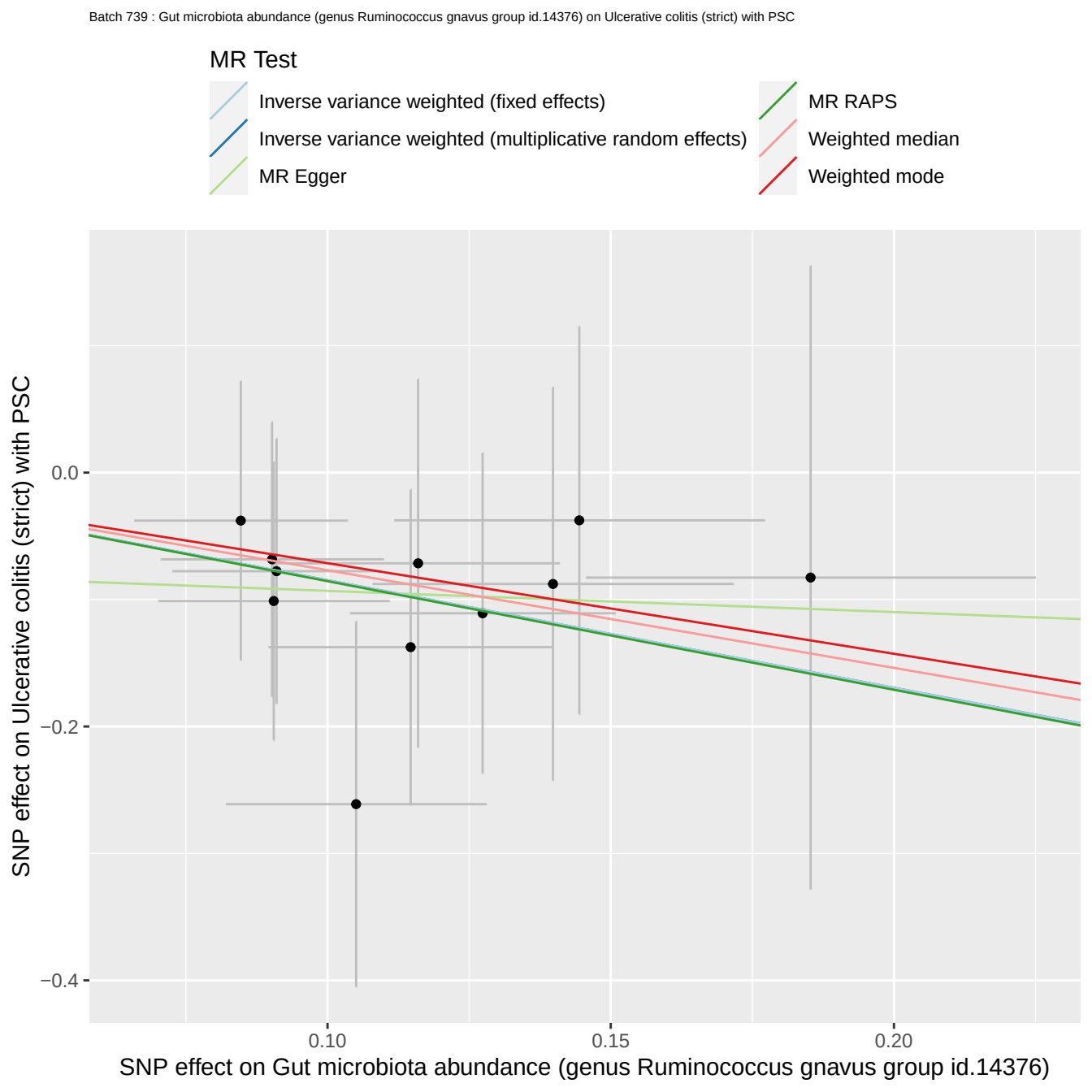

Batch 735 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)


Batch 736 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

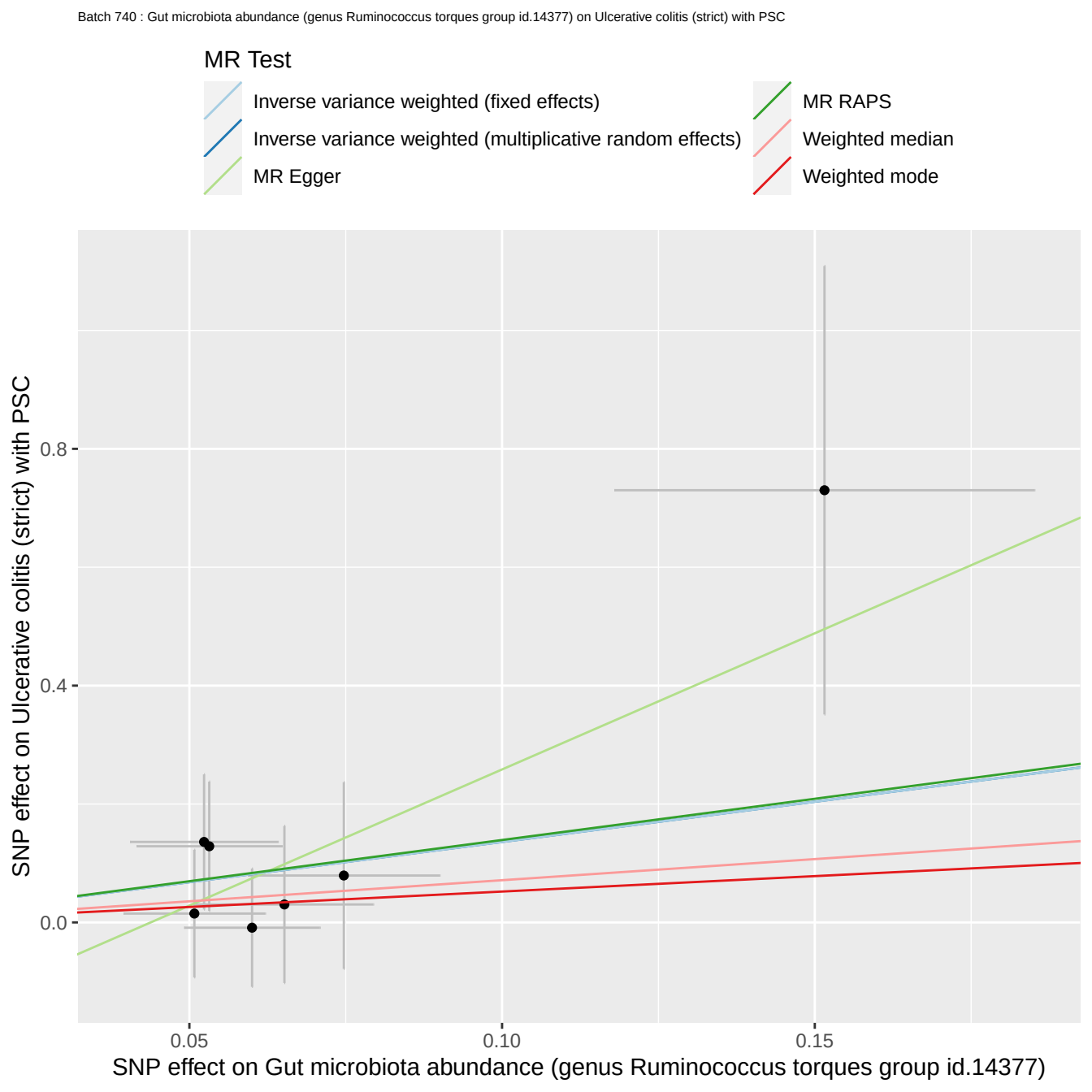

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

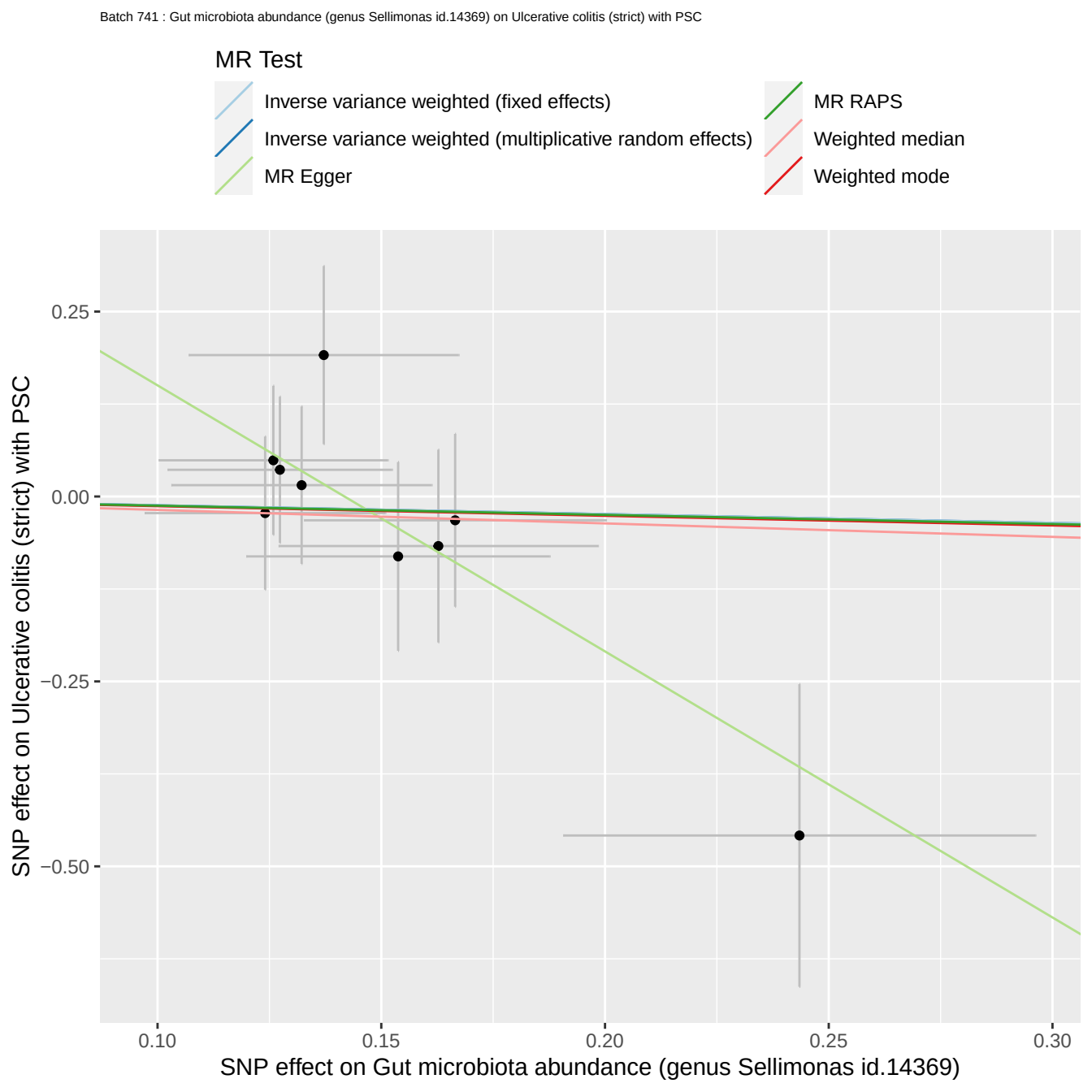

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
−0.50
SNP effect on Ulcerative colitis (strict) with PSC
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

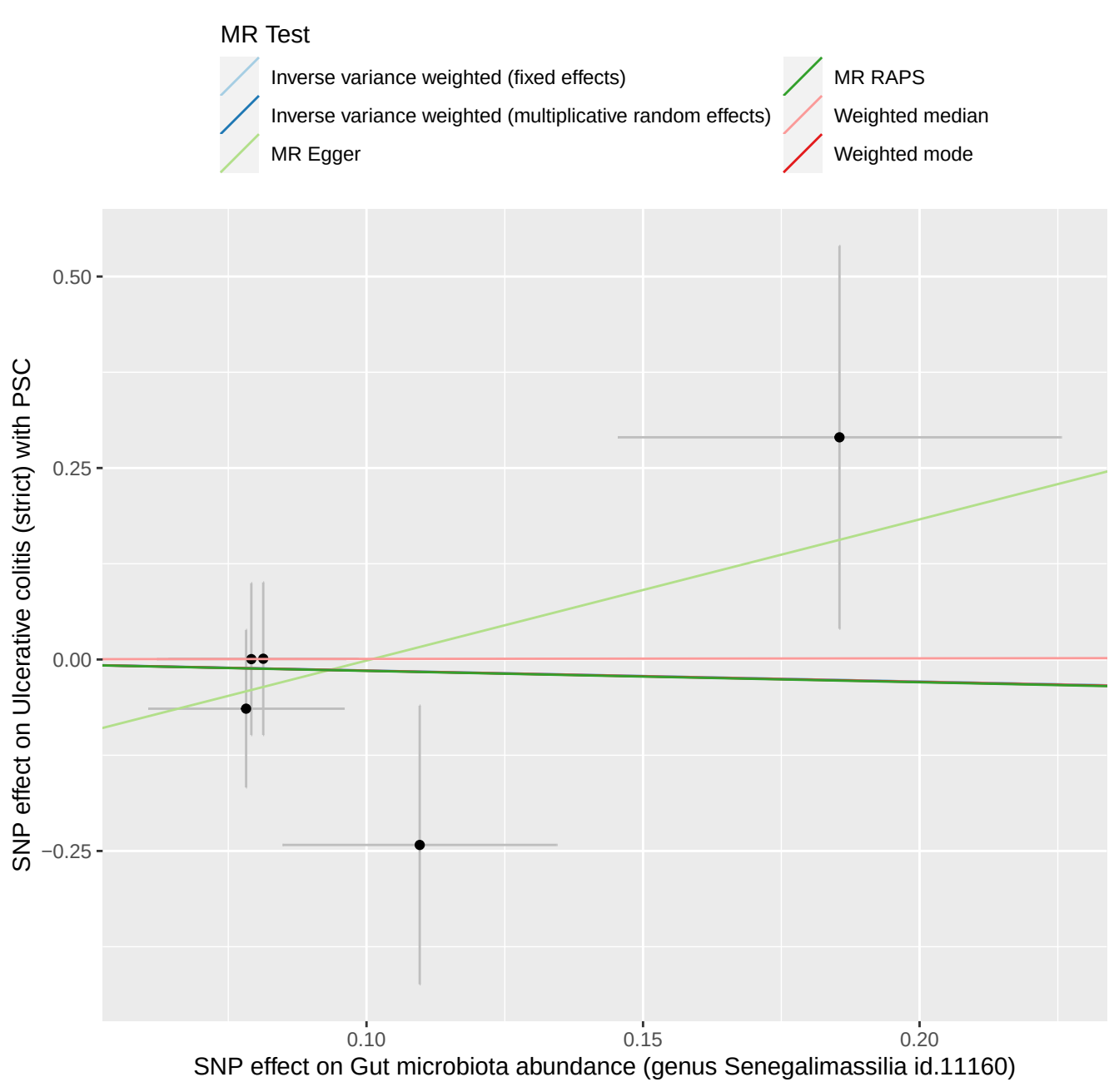
Batch 739 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Ulcerative colitis (strict) with PSC



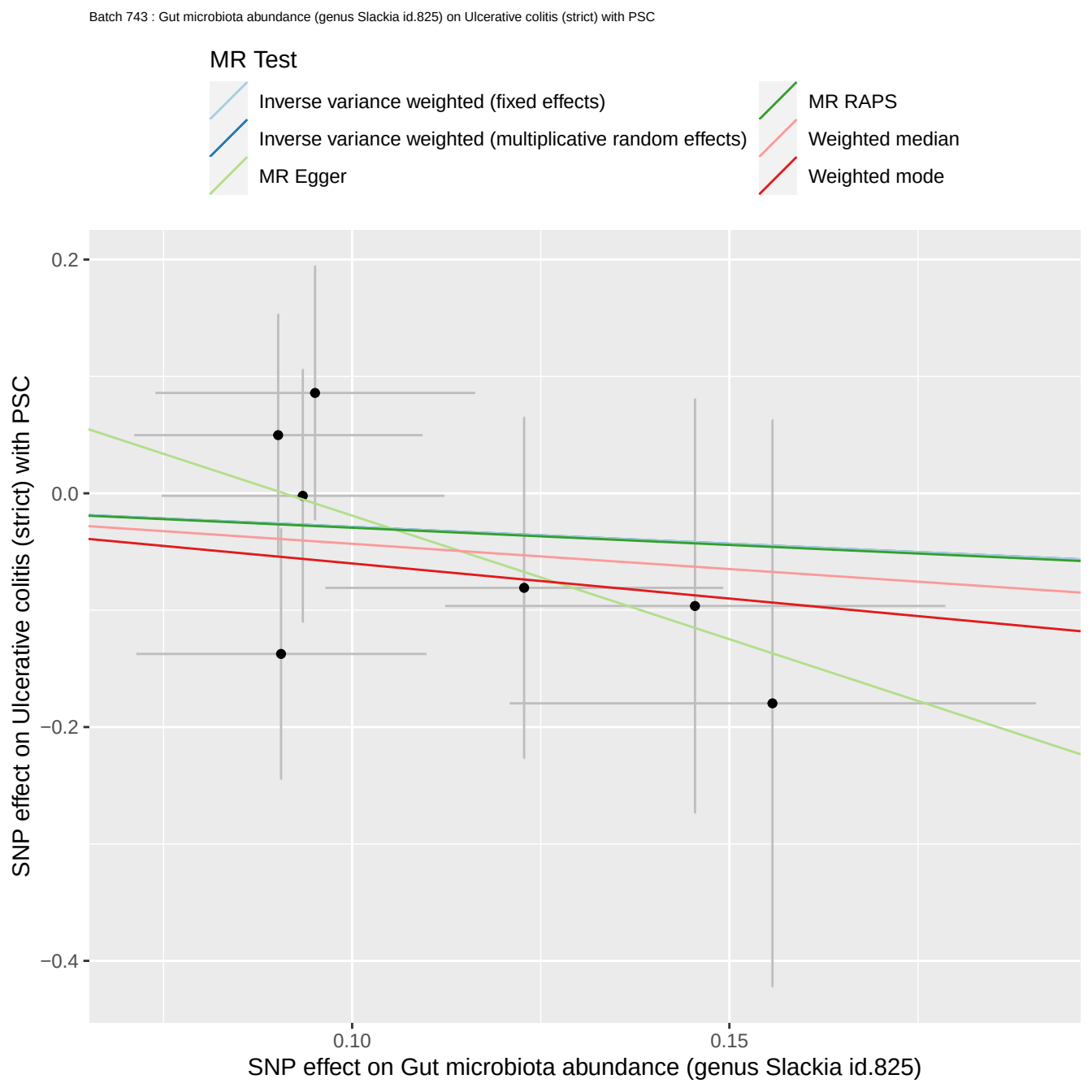
Batch 740 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Ulcerative colitis (strict) with PSC



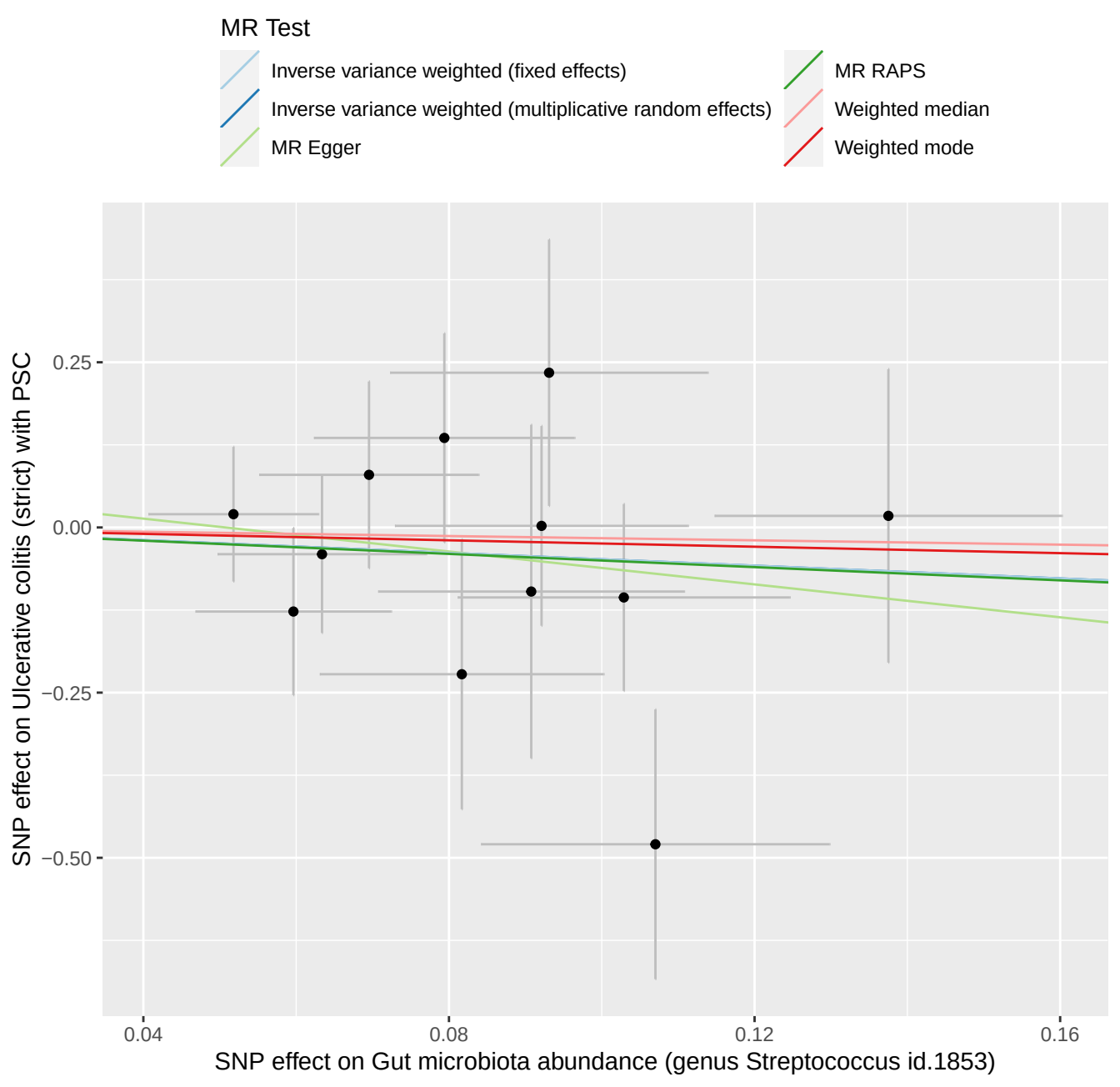

Batch 741 : Gut microbiota abundance (genus Sellimonas id.14369) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

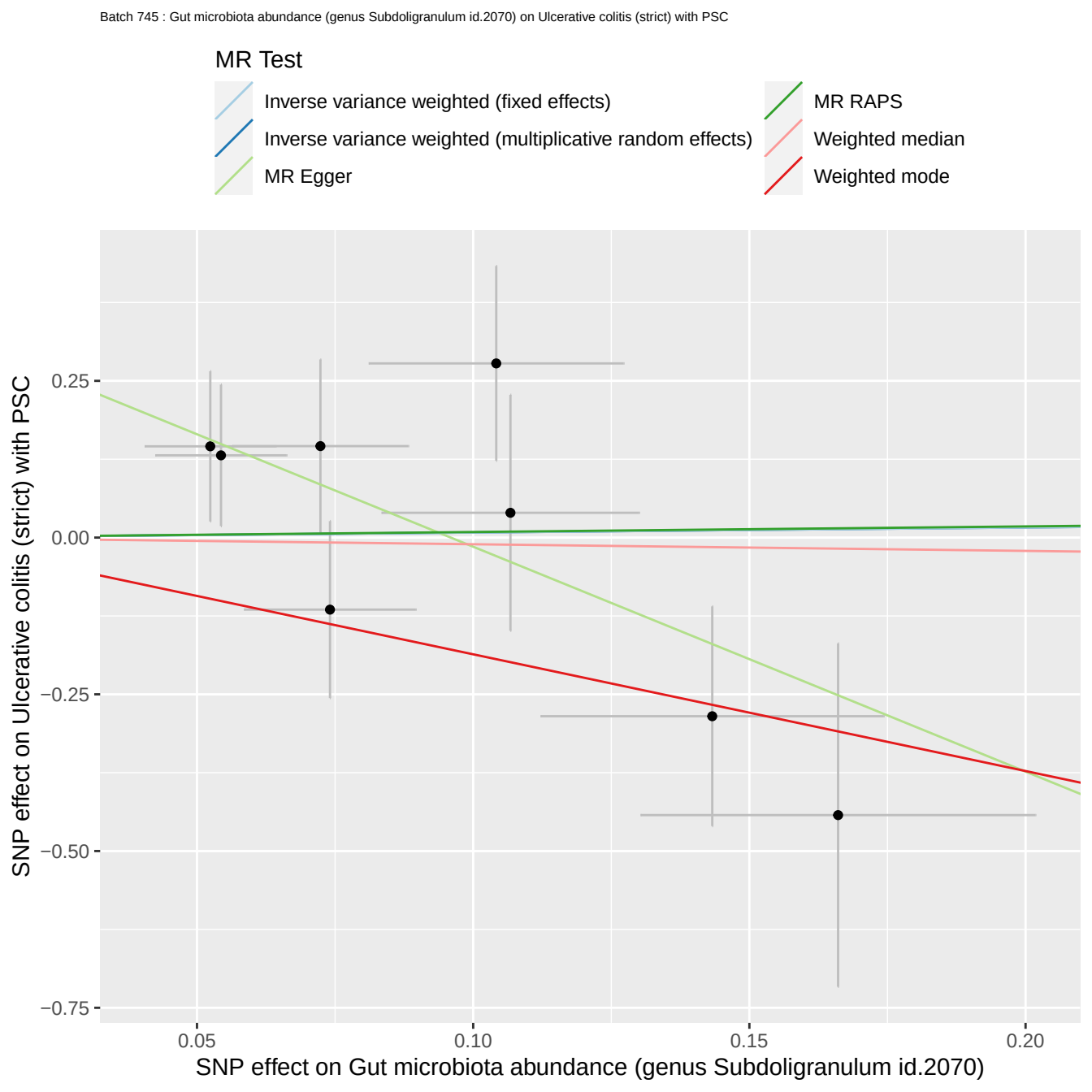

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

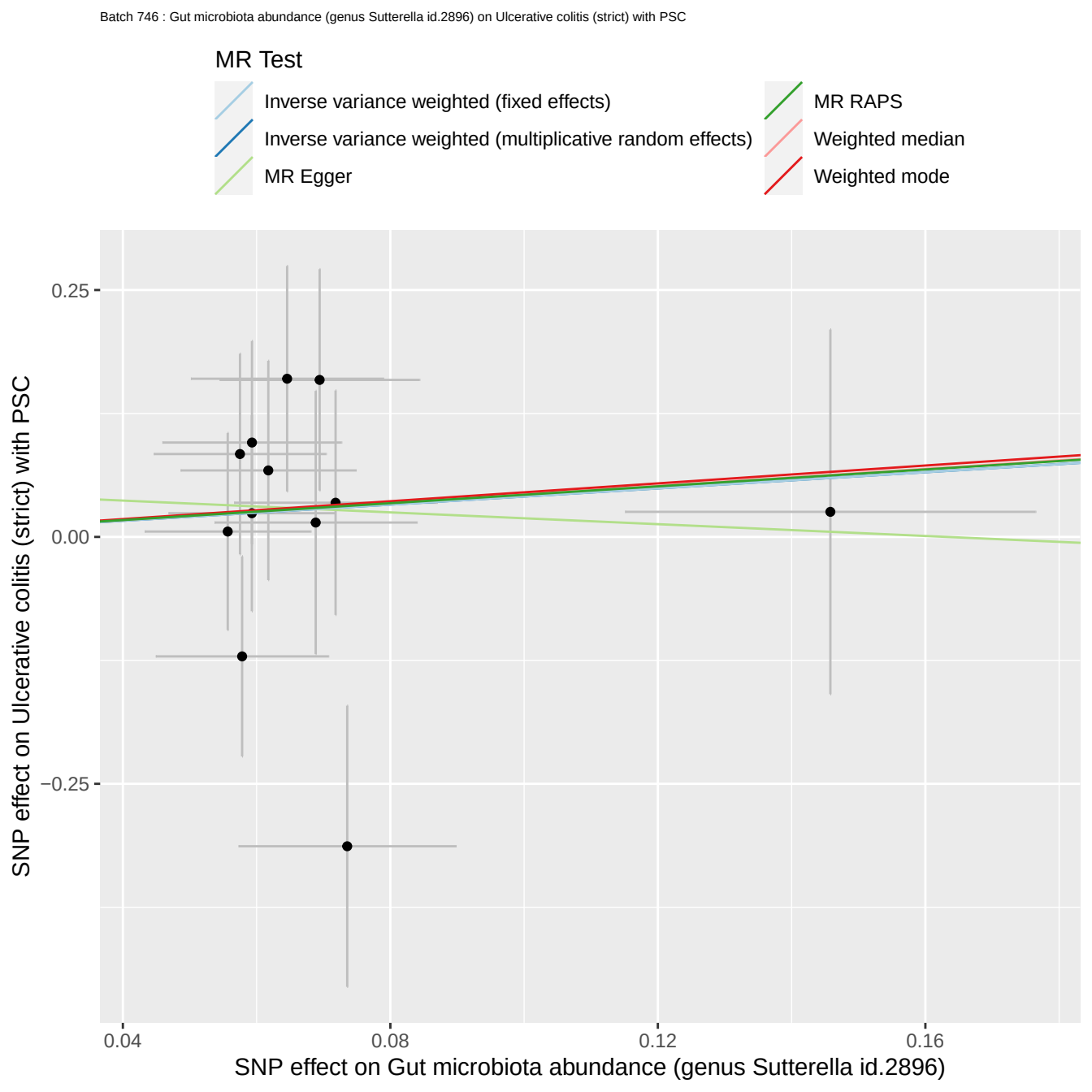
Batch 743 : Gut microbiota abundance (genus Slackia id.825) on Ulcerative colitis (strict) with PSC

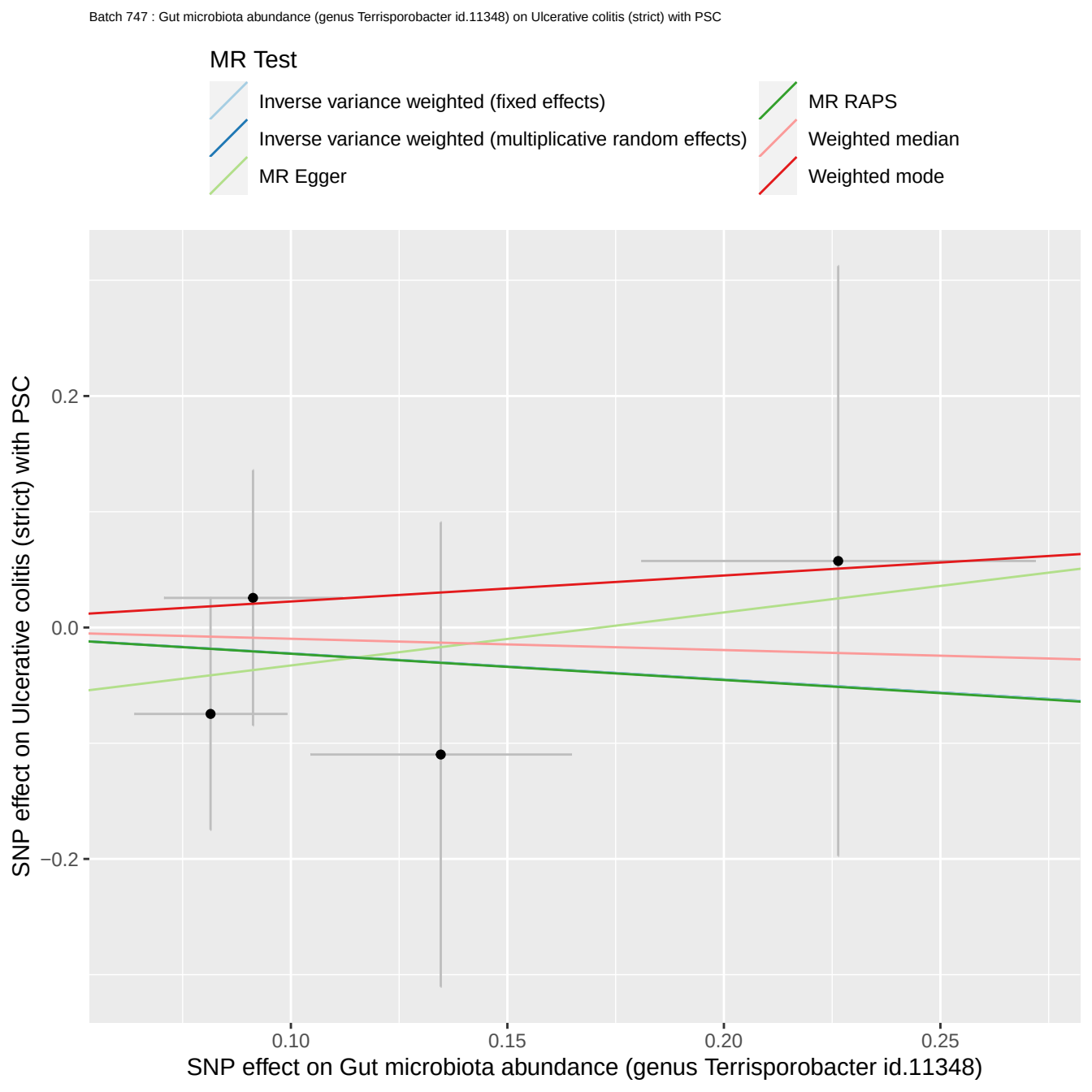


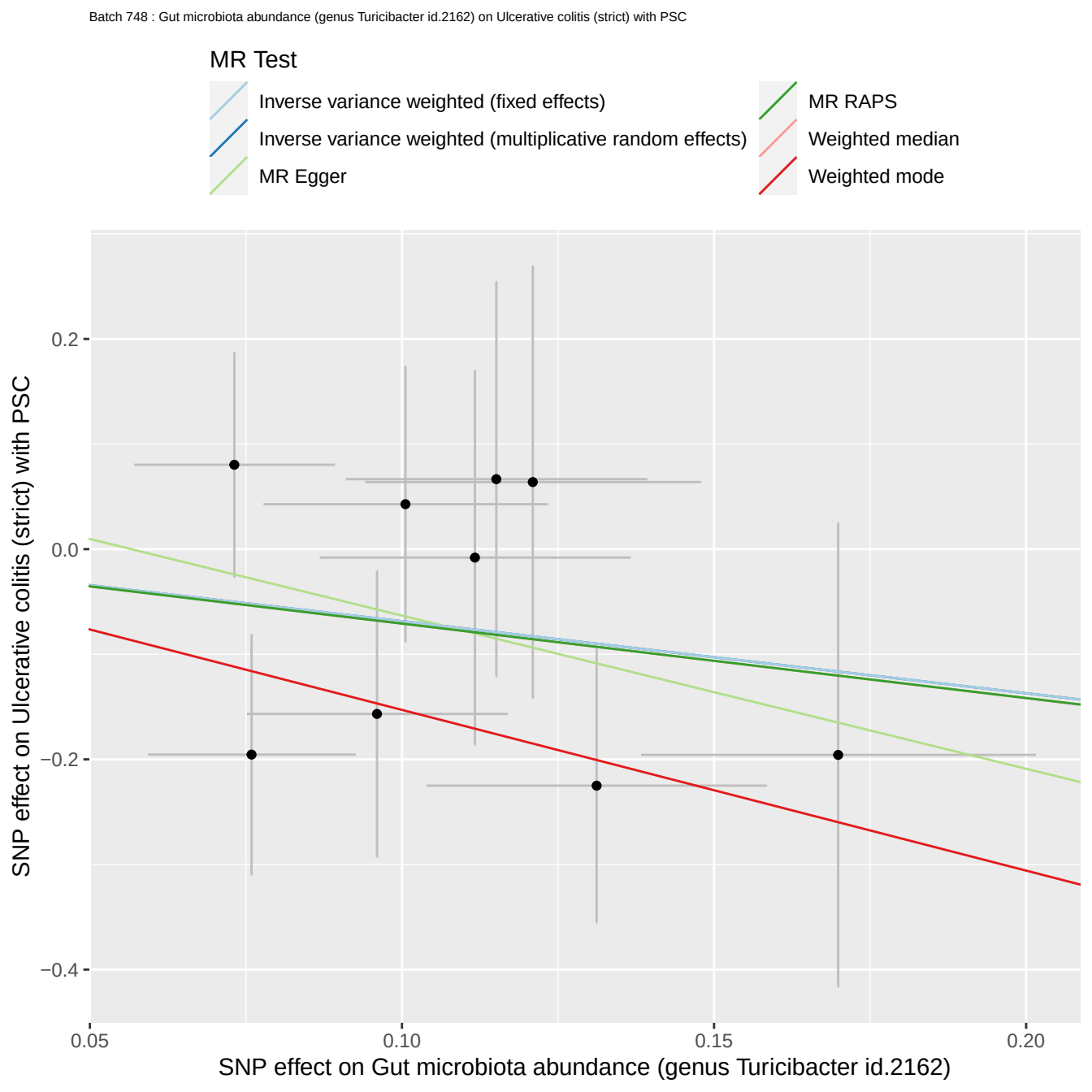
Batch 744 : Gut microbiota abundance (genus Streptococcus id.1853) on Ulcerative colitis (strict) with PSC

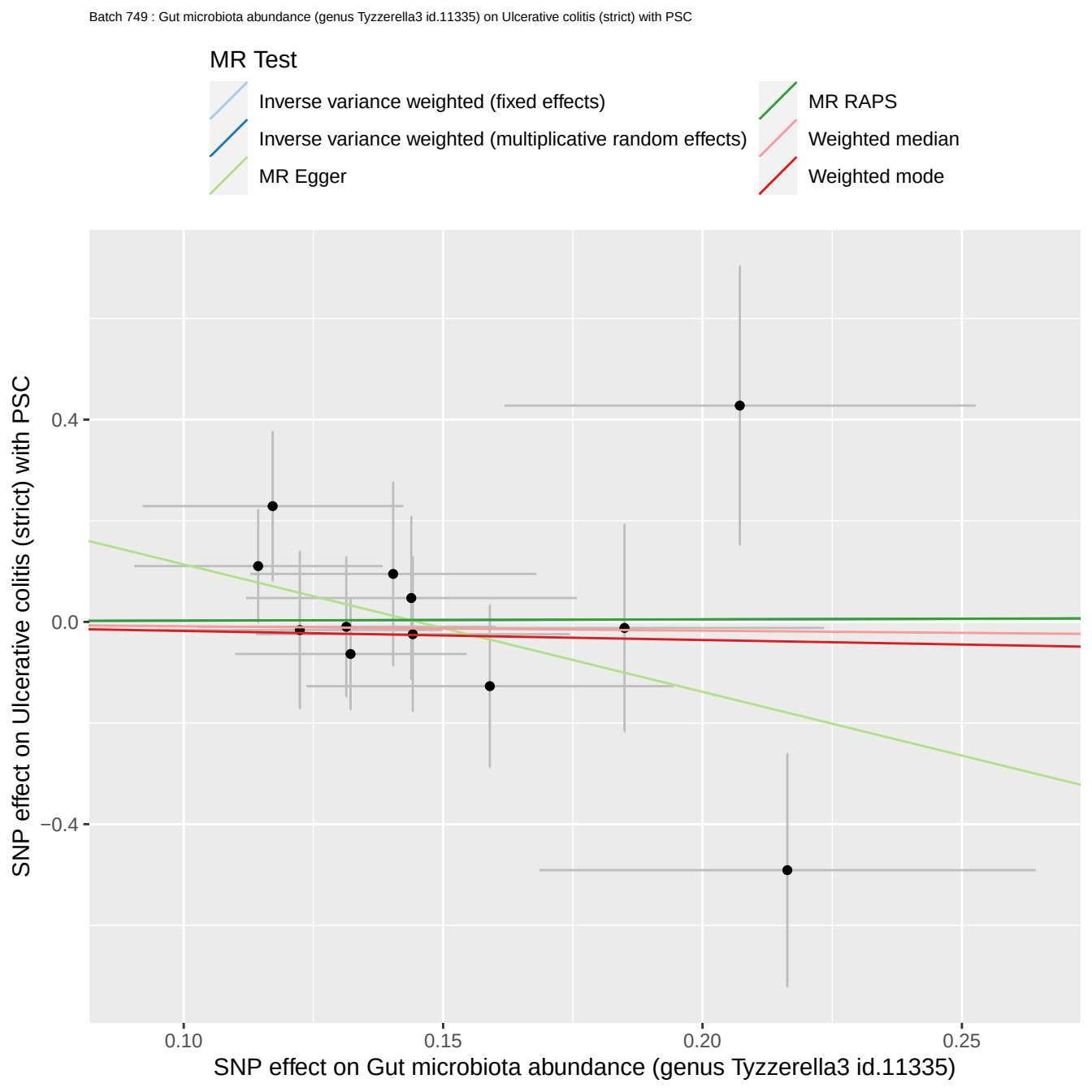



Batch 745 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.25
0.00
−0.25
−0.50
−0.75
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

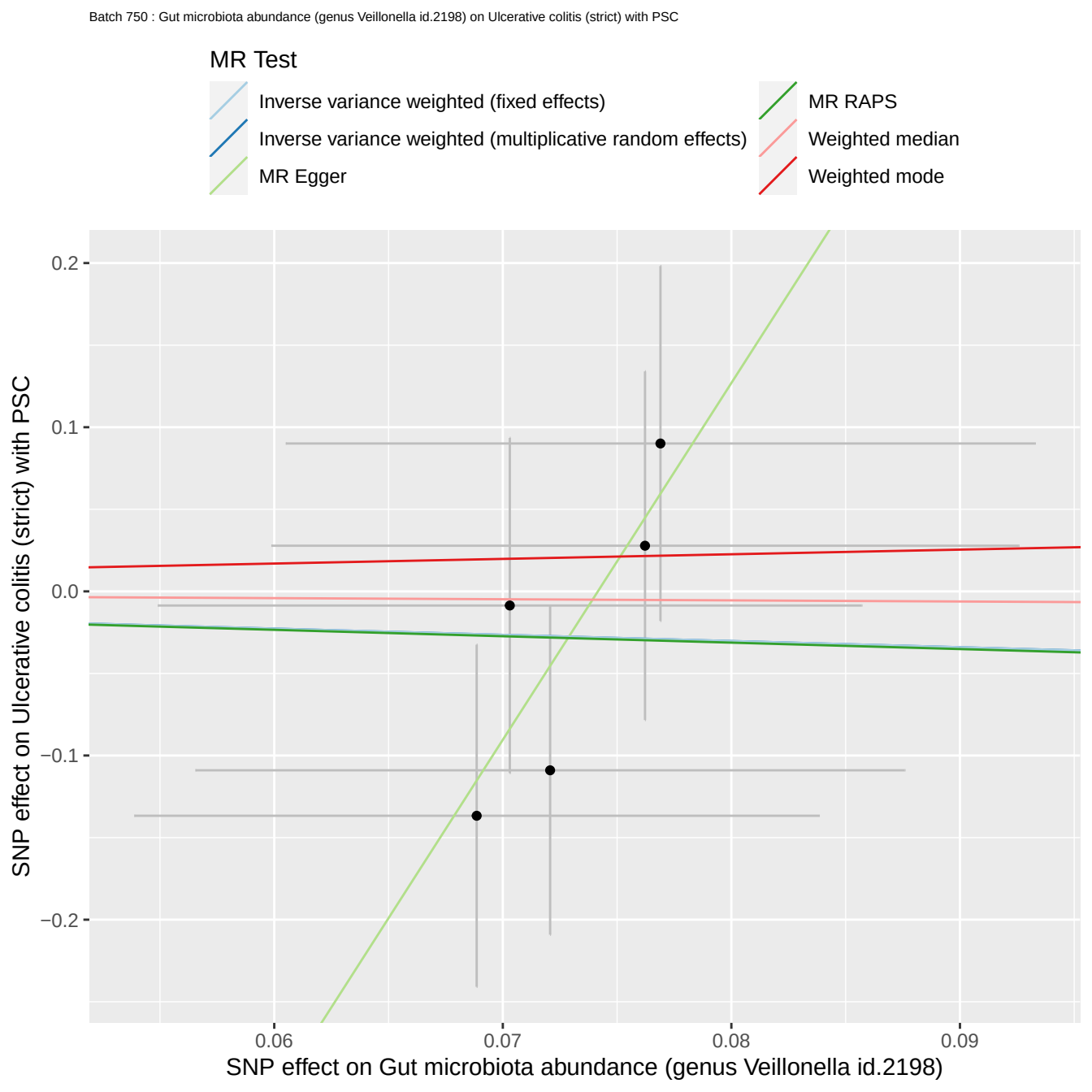

Batch 746 : Gut microbiota abundance (genus Sutterella id.2896) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
SNP effect on Ulcerative colitis (strict) with PSC
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)


Batch 747 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

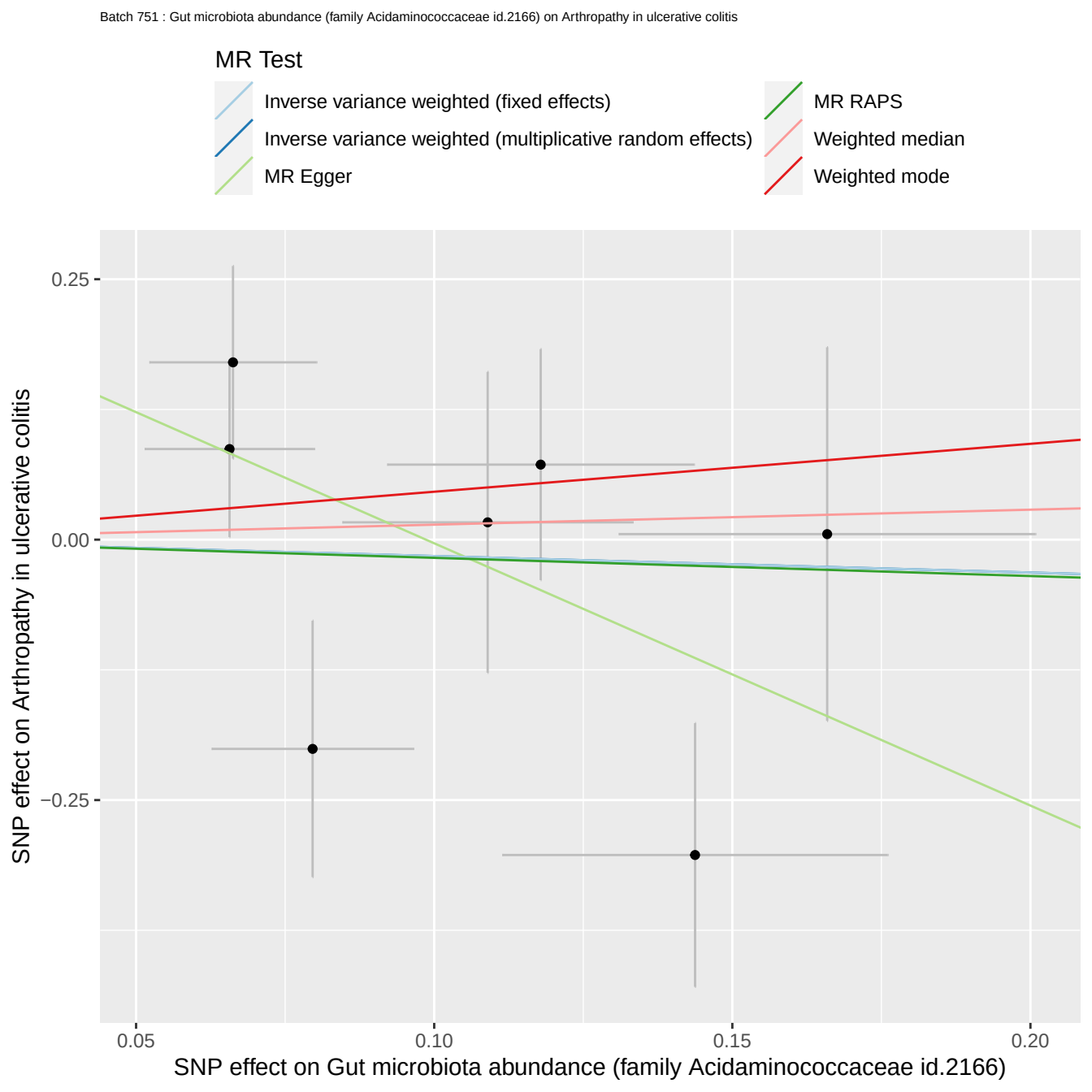

Batch 748 : Gut microbiota abundance (genus Turicibacter id.2162) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

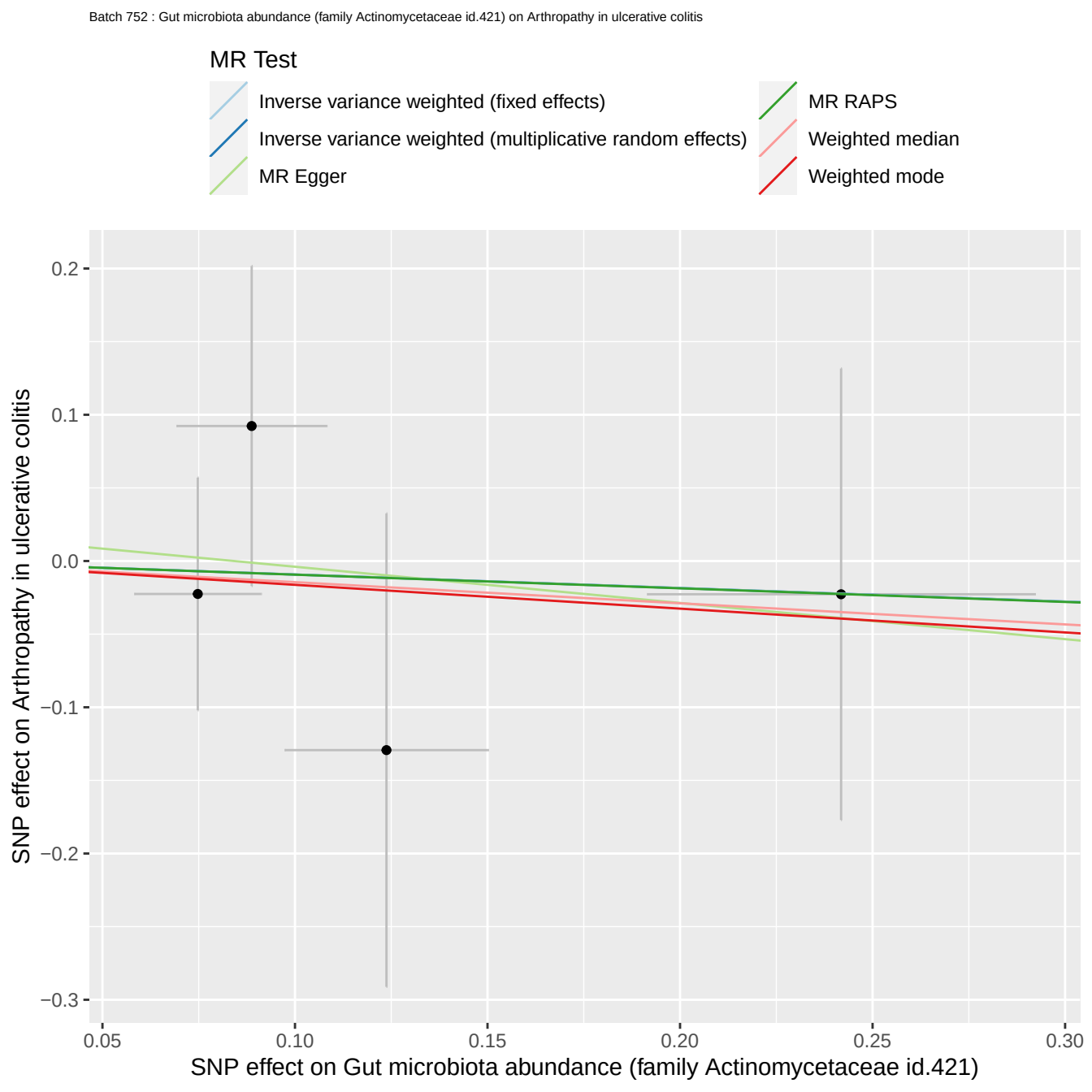

Batch 749 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Ulcerative colitis (strict) with PSC
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative colitis (strict) with PSC
0.4
0.0
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

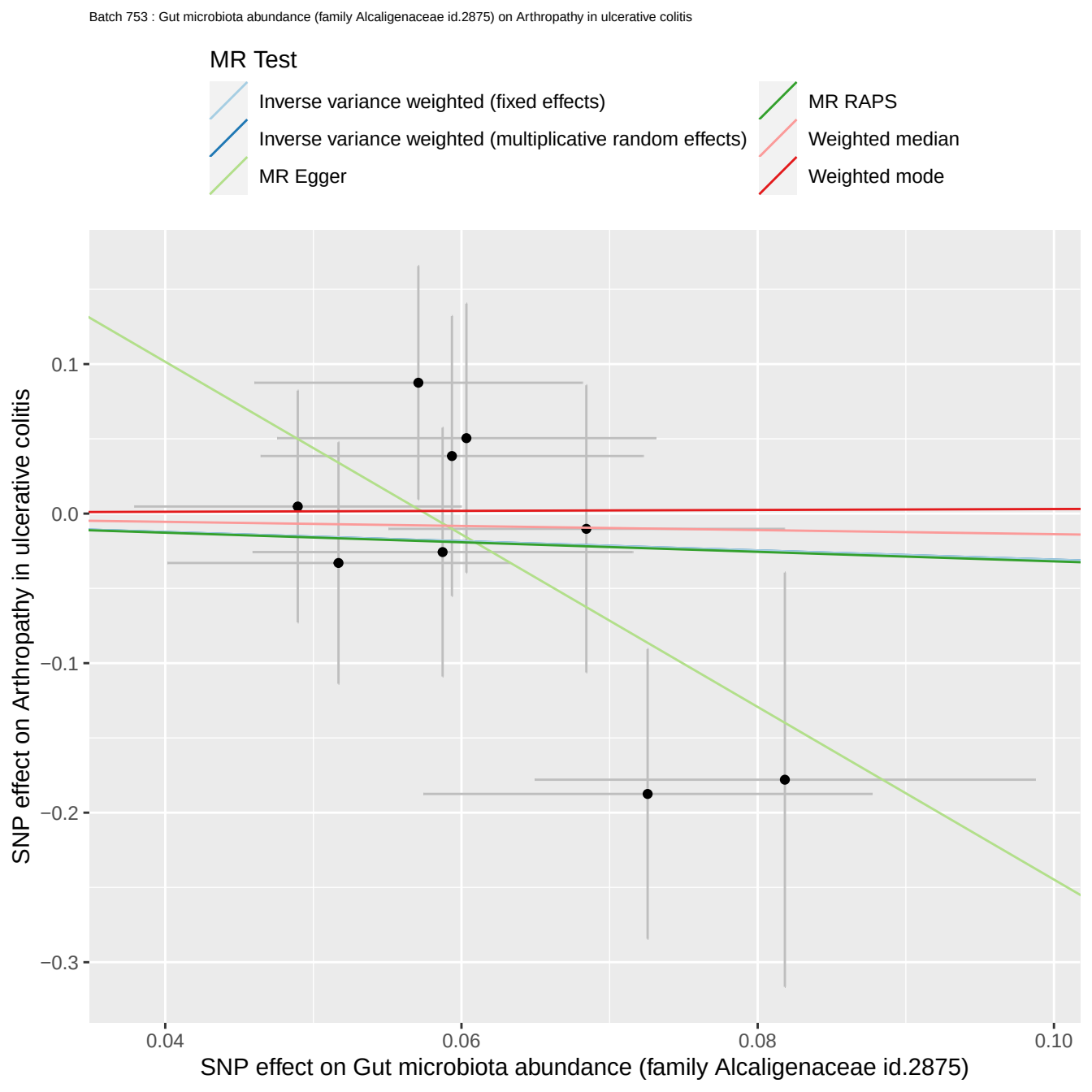
Batch 750 : Gut microbiota abundance (genus Veillonella id.2198) on Ulcerative colitis (strict) with PSC

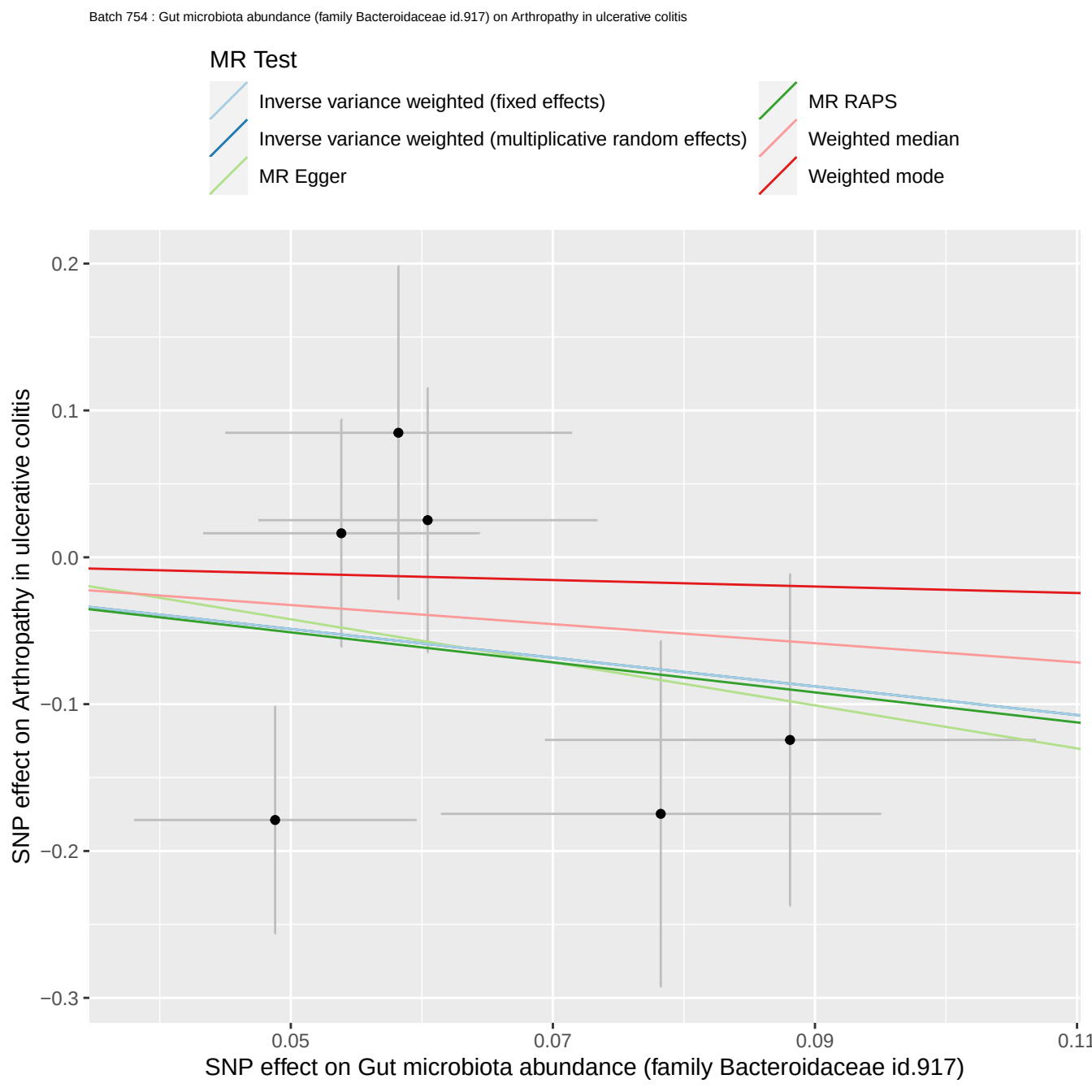


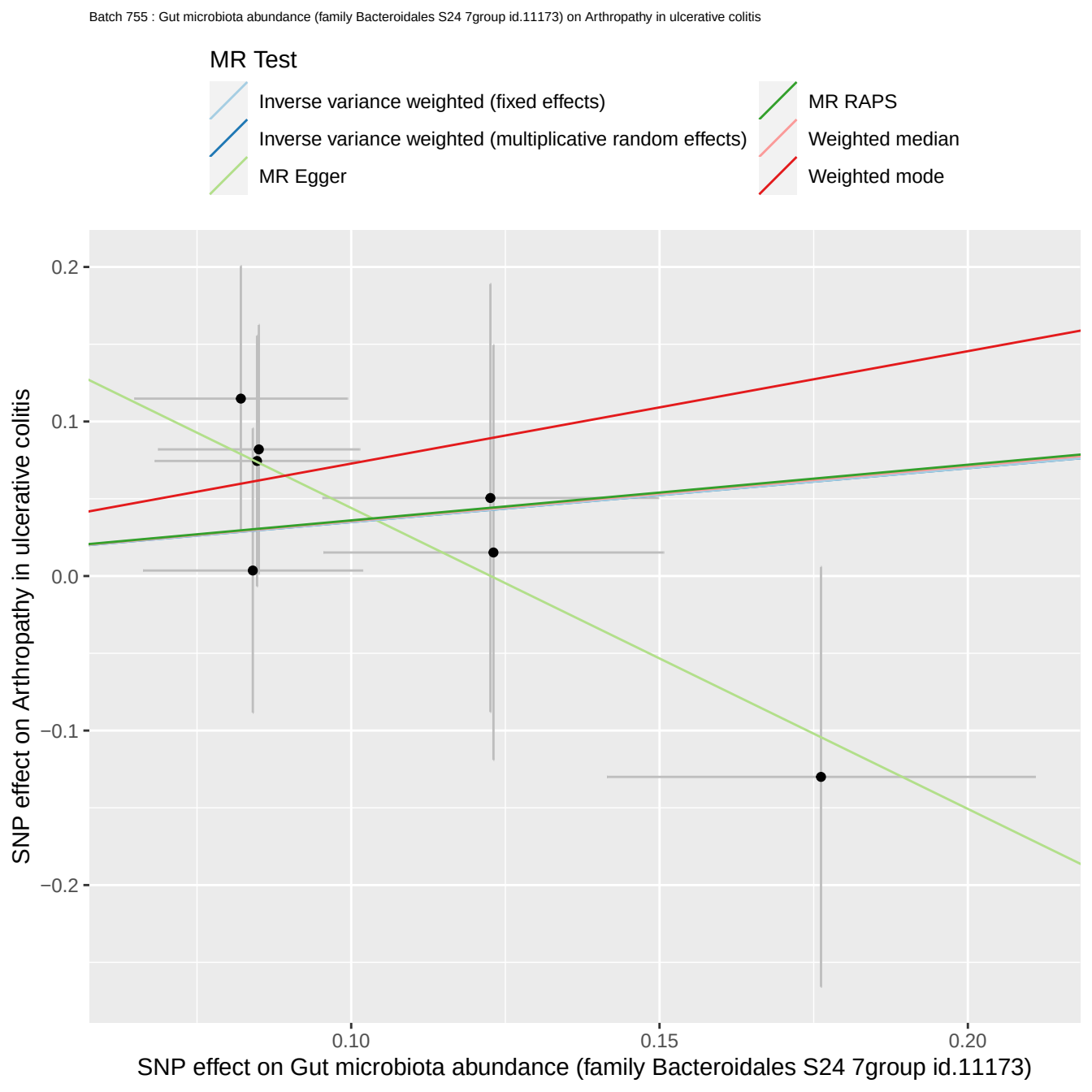
Batch 751 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Arthropathy in ulcerative colitis

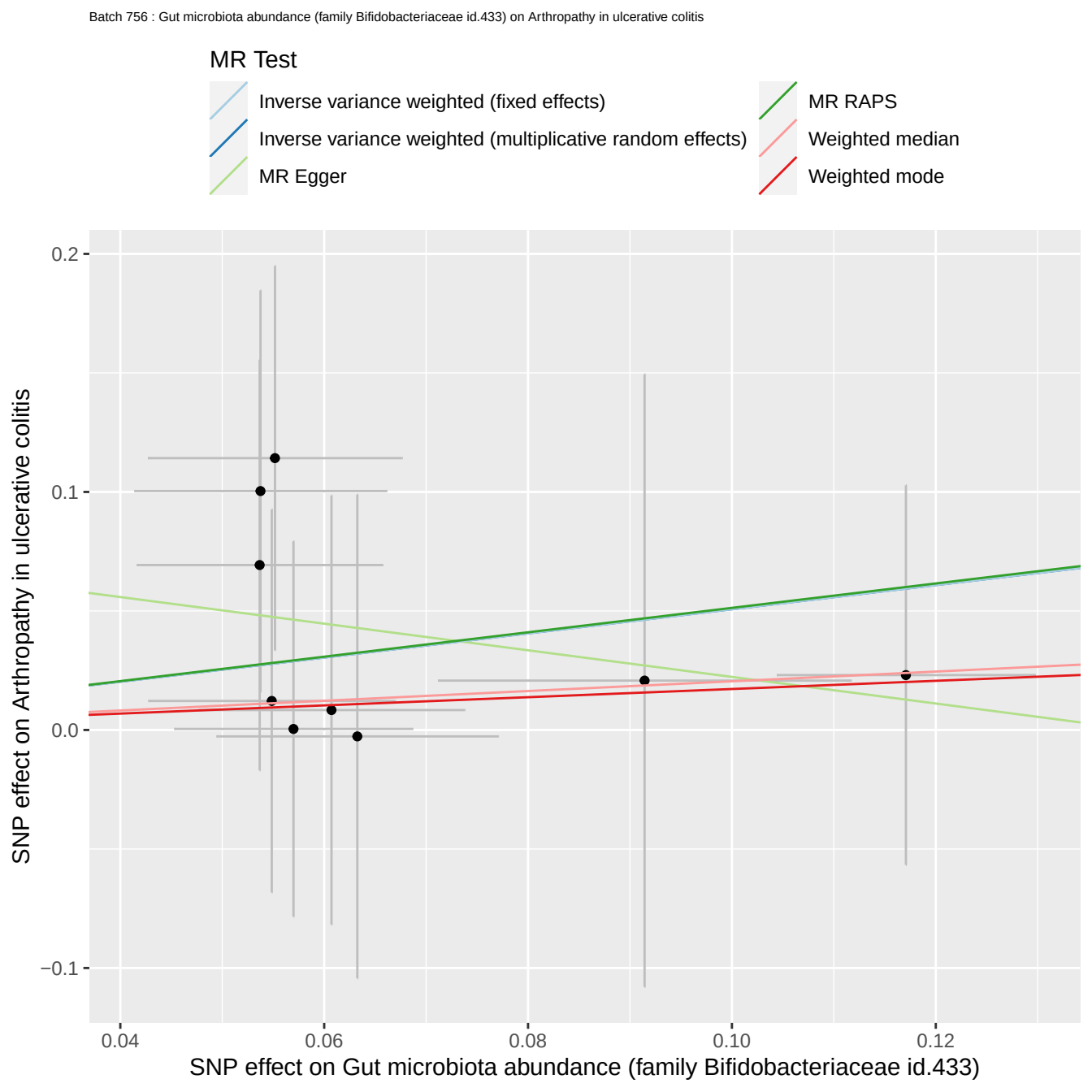


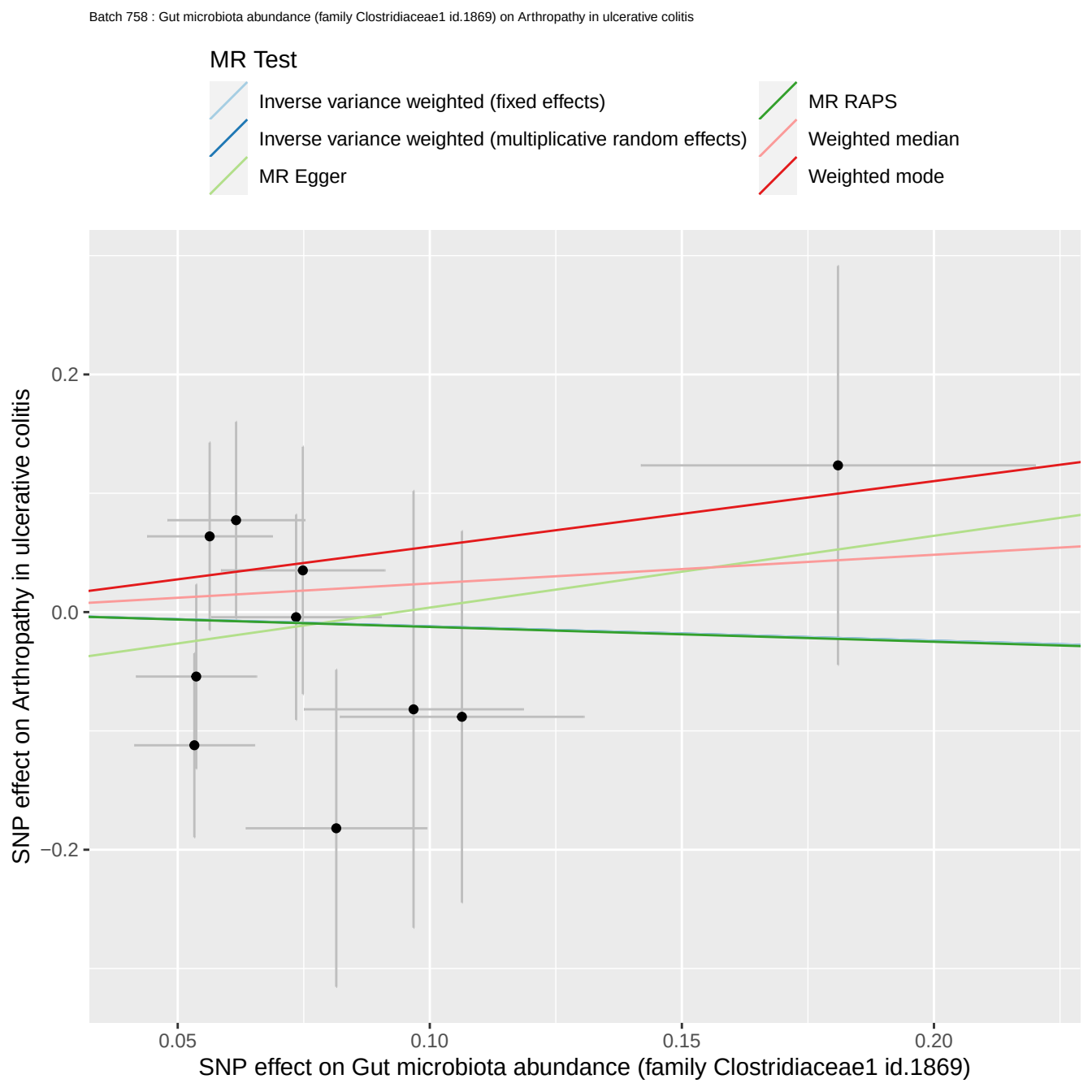

Batch 752 : Gut microbiota abundance (family Actinomycetaceae id.421) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

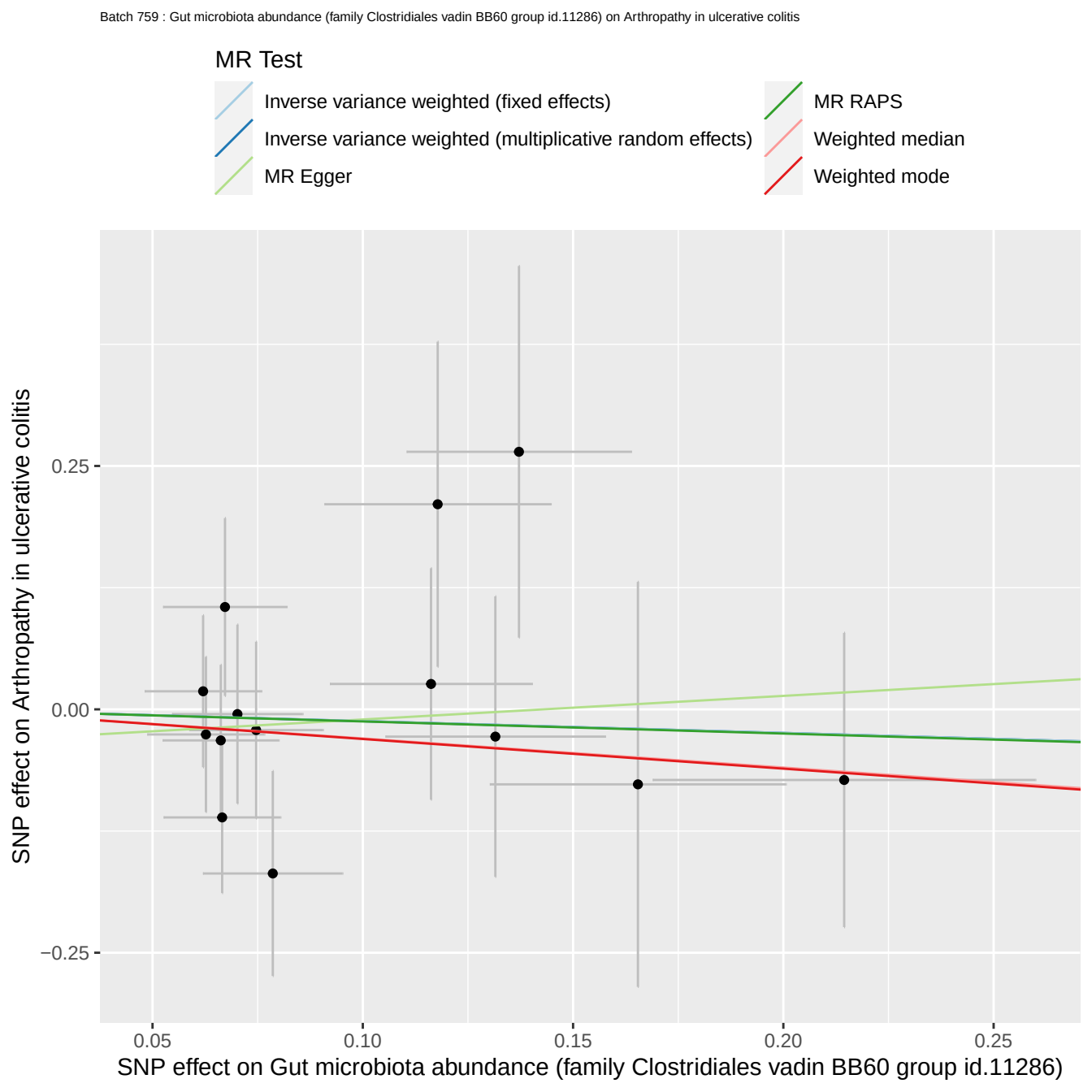

Batch 753 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

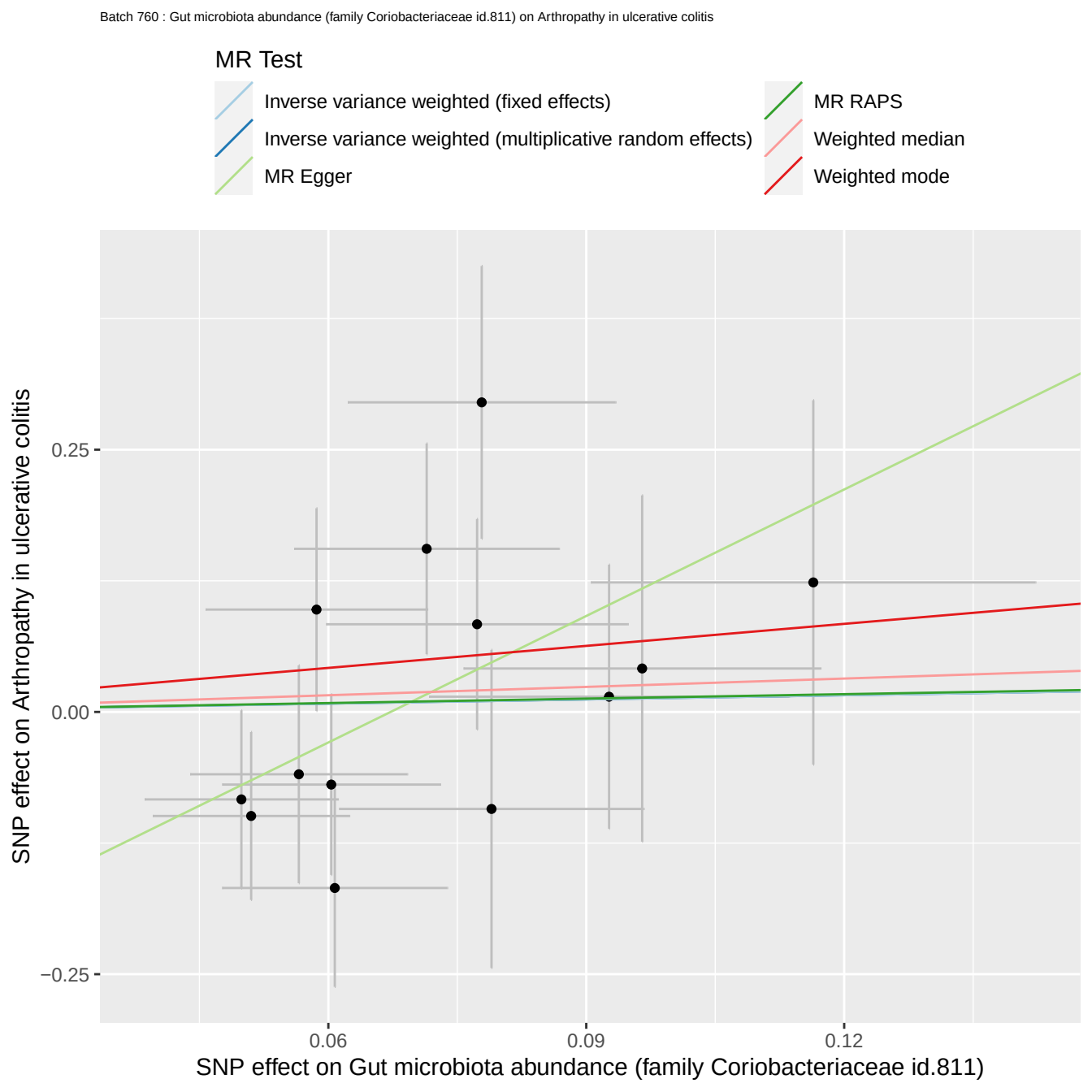

Batch 754 : Gut microbiota abundance (family Bacteroidaceae id.917) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.07
0.09
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

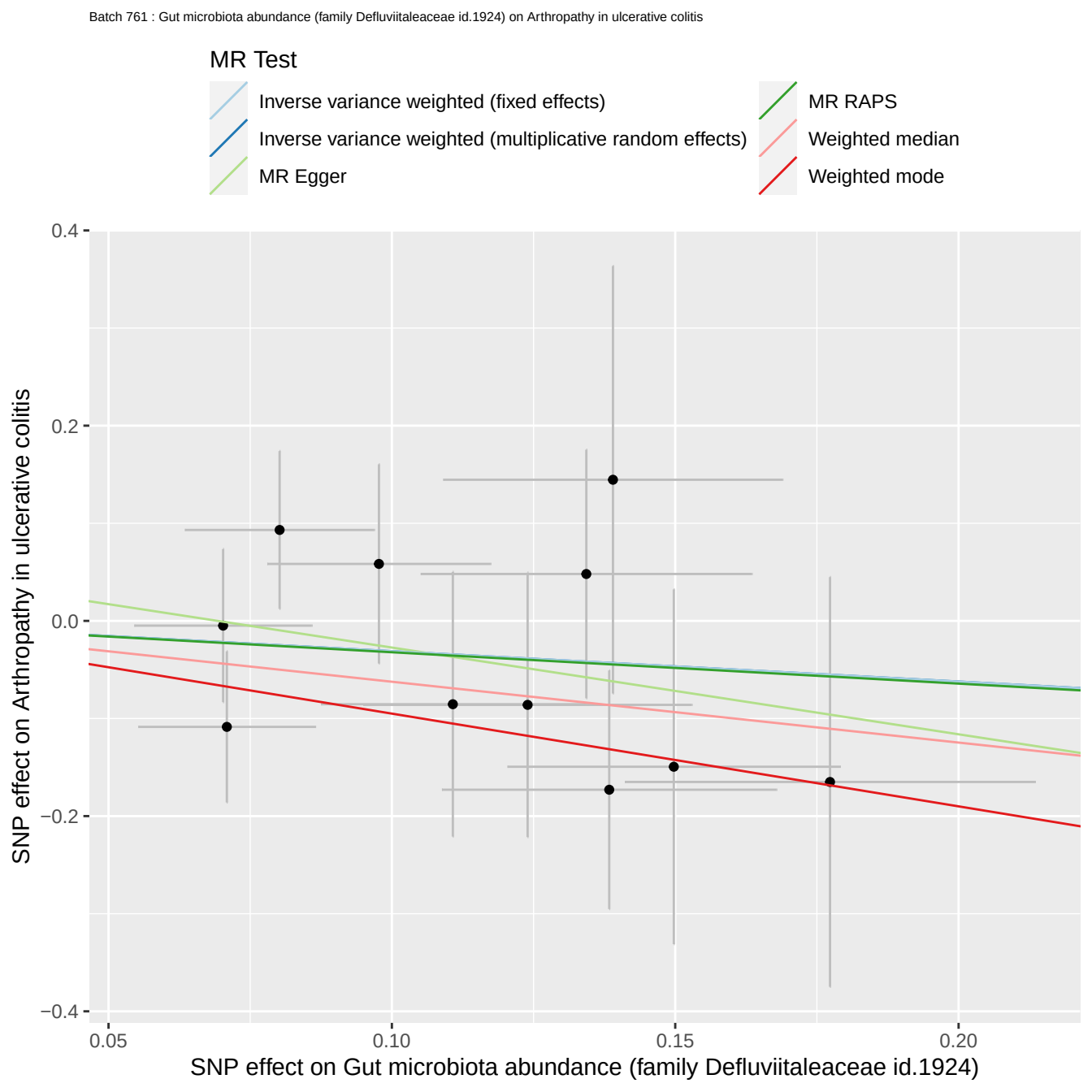

Batch 755 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)


Batch 756 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

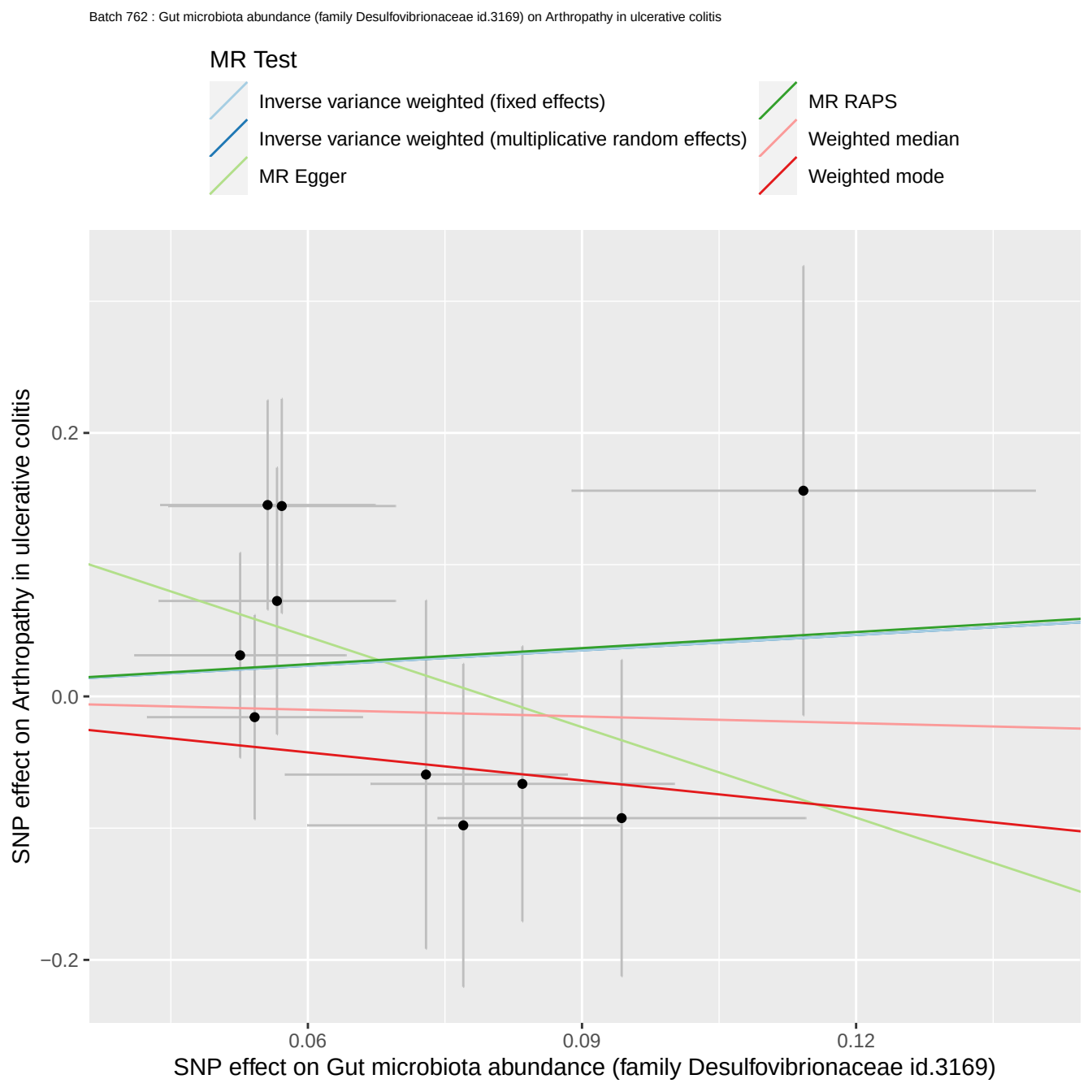

Batch 758 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

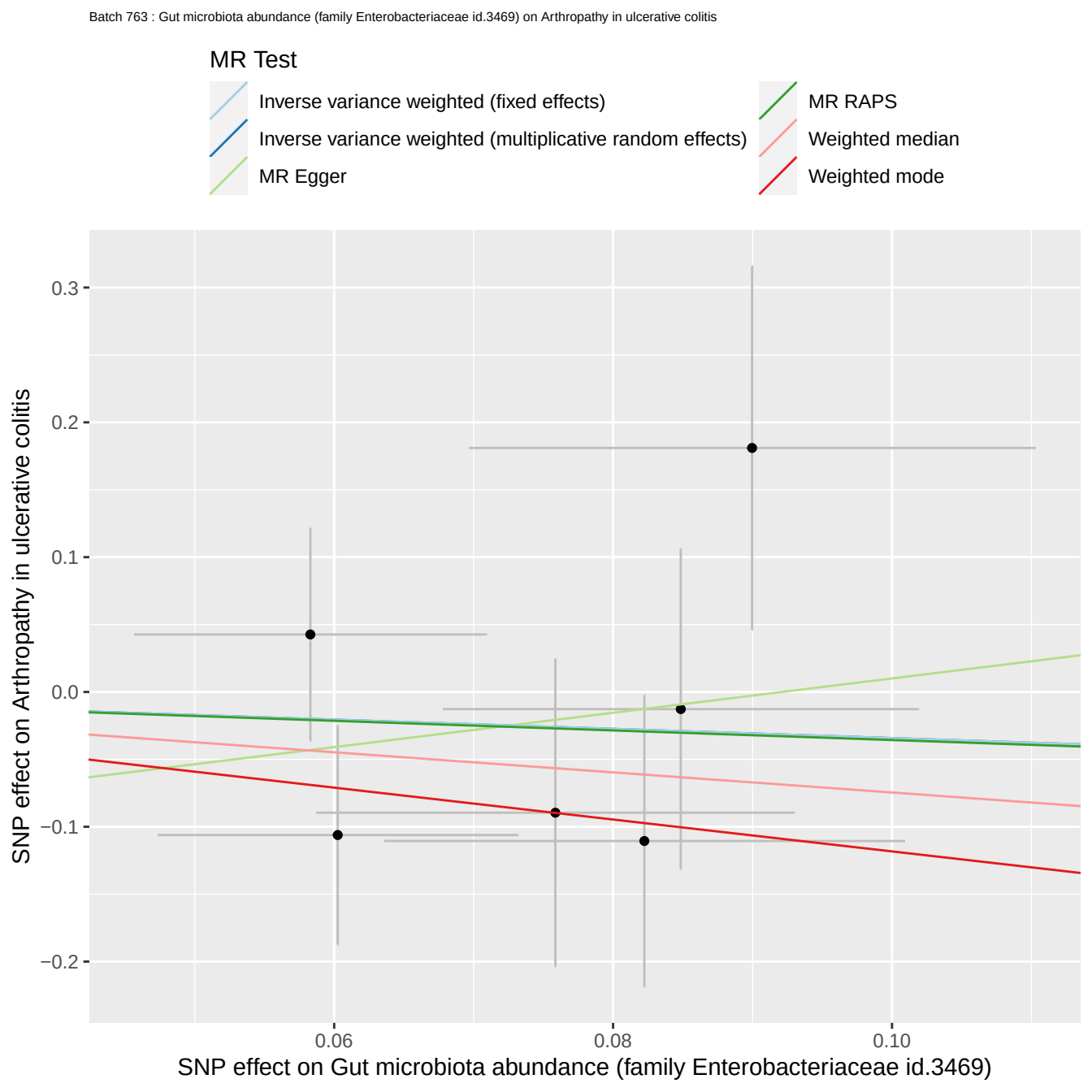

Batch 759 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.25
0.00
−0.25
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)


Batch 760 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.25
0.00
−0.25
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

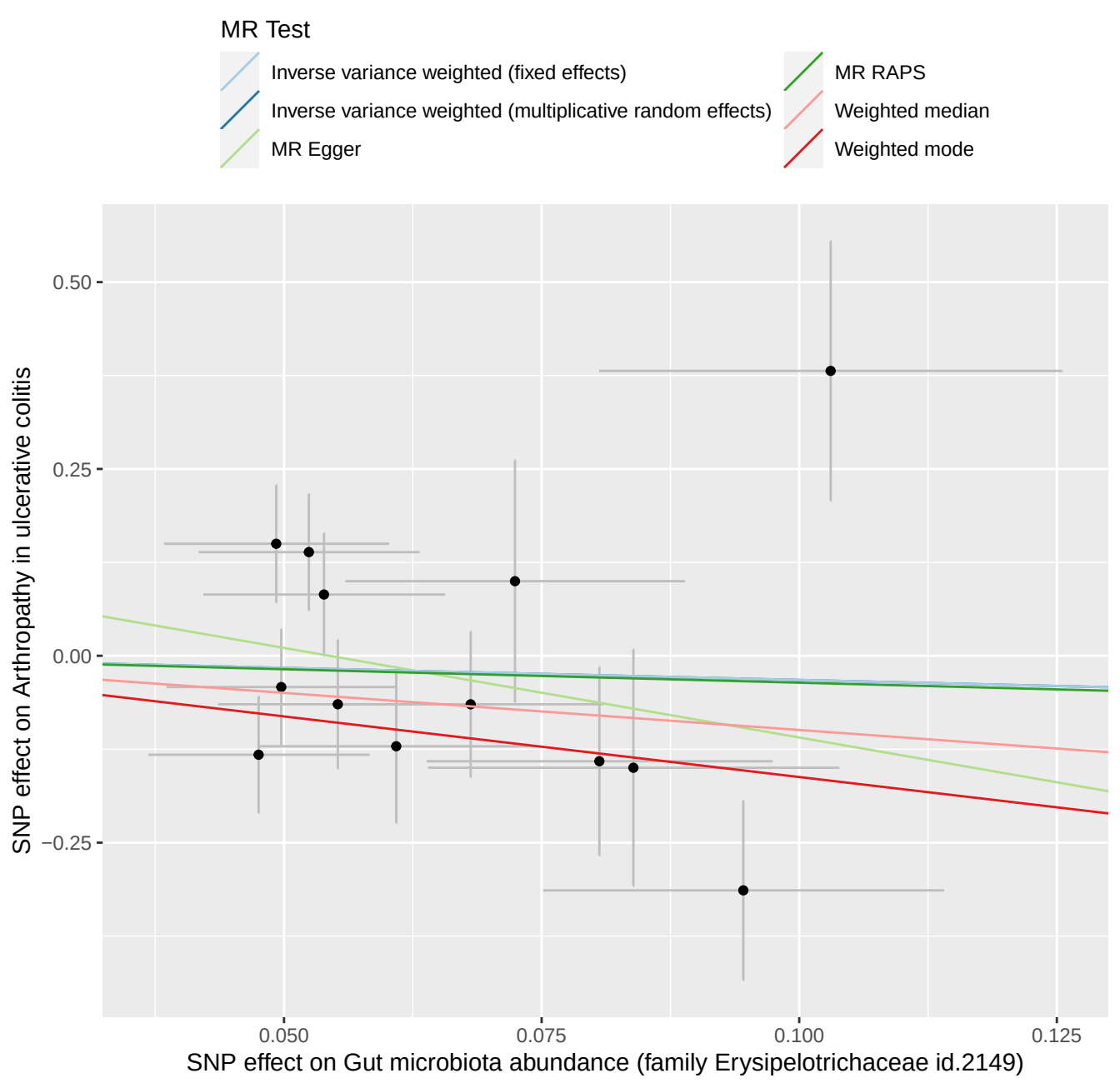

Batch 761 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

Batch 762 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Arthropathy in ulcerative colitis



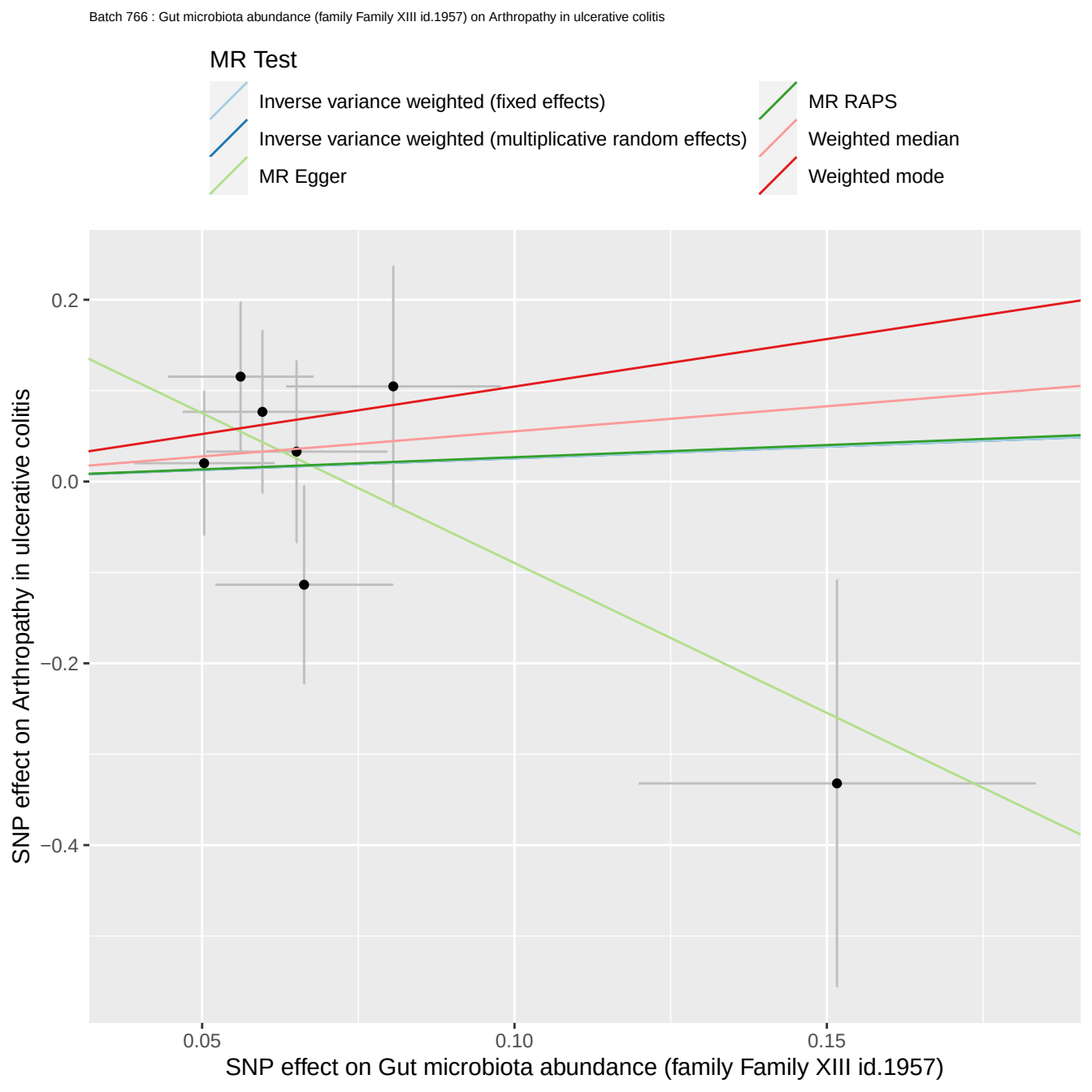

Batch 763 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

Batch 764 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Arthropathy in ulcerative colitis

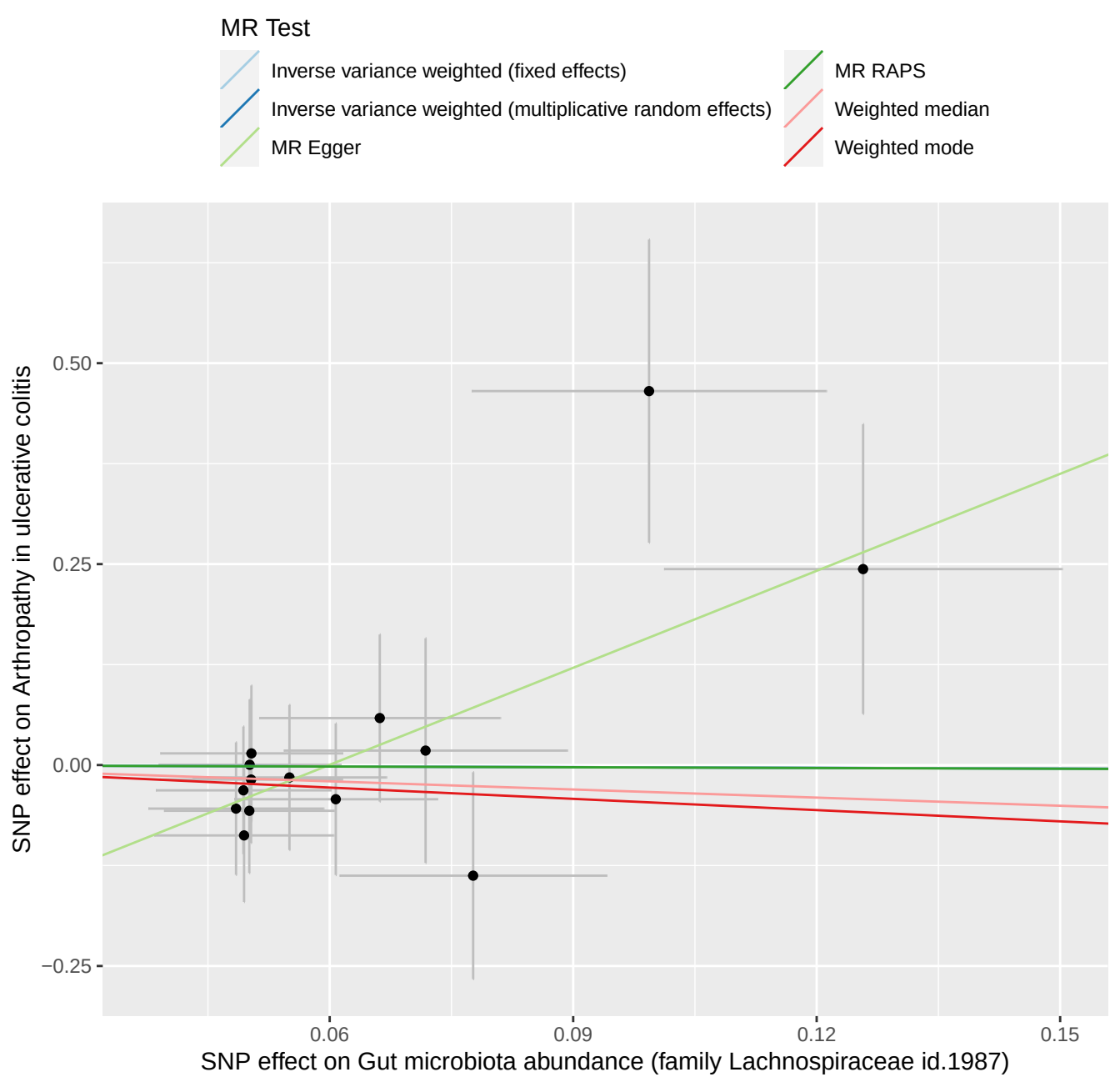


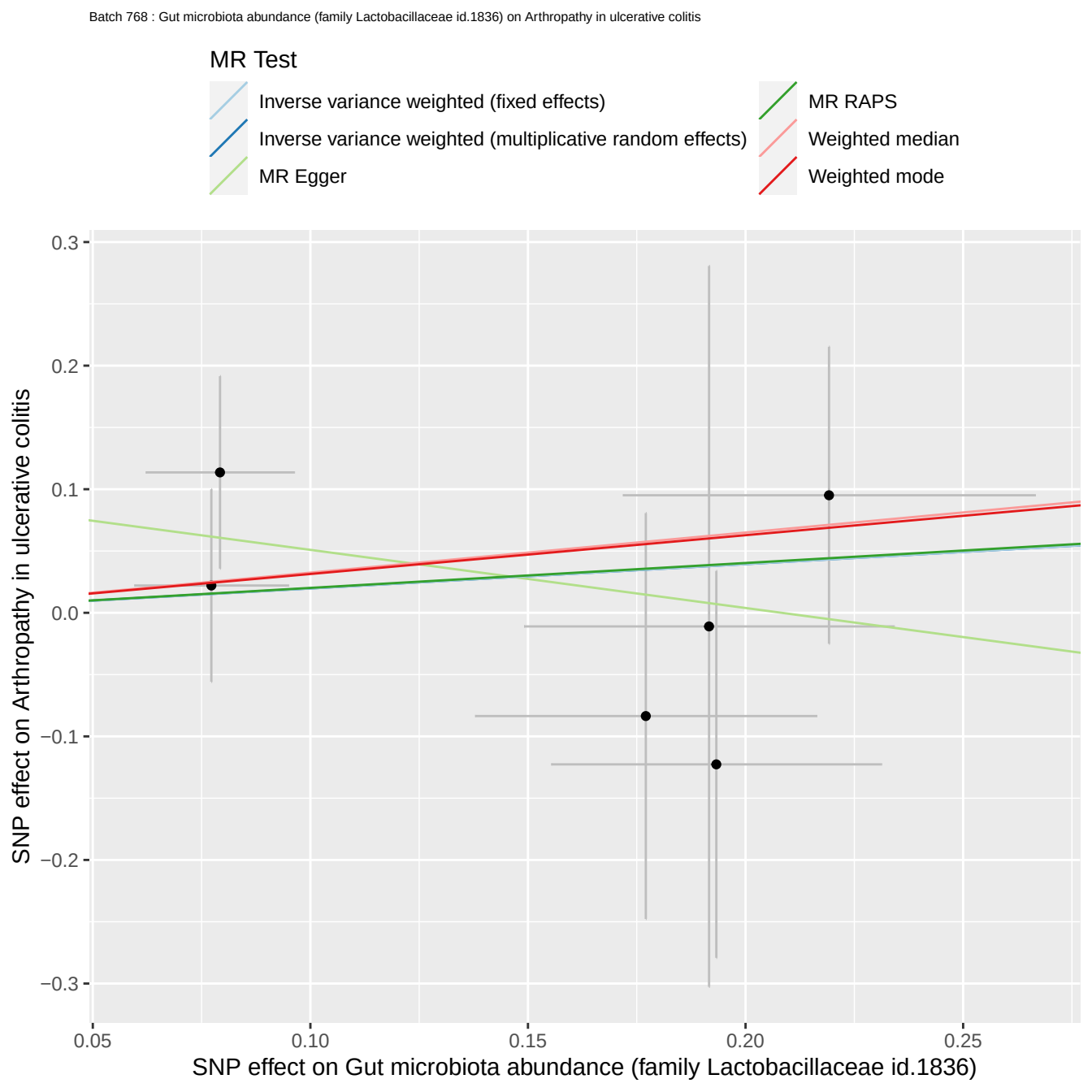
Batch 765 : Gut microbiota abundance (family Family XI id.1936) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

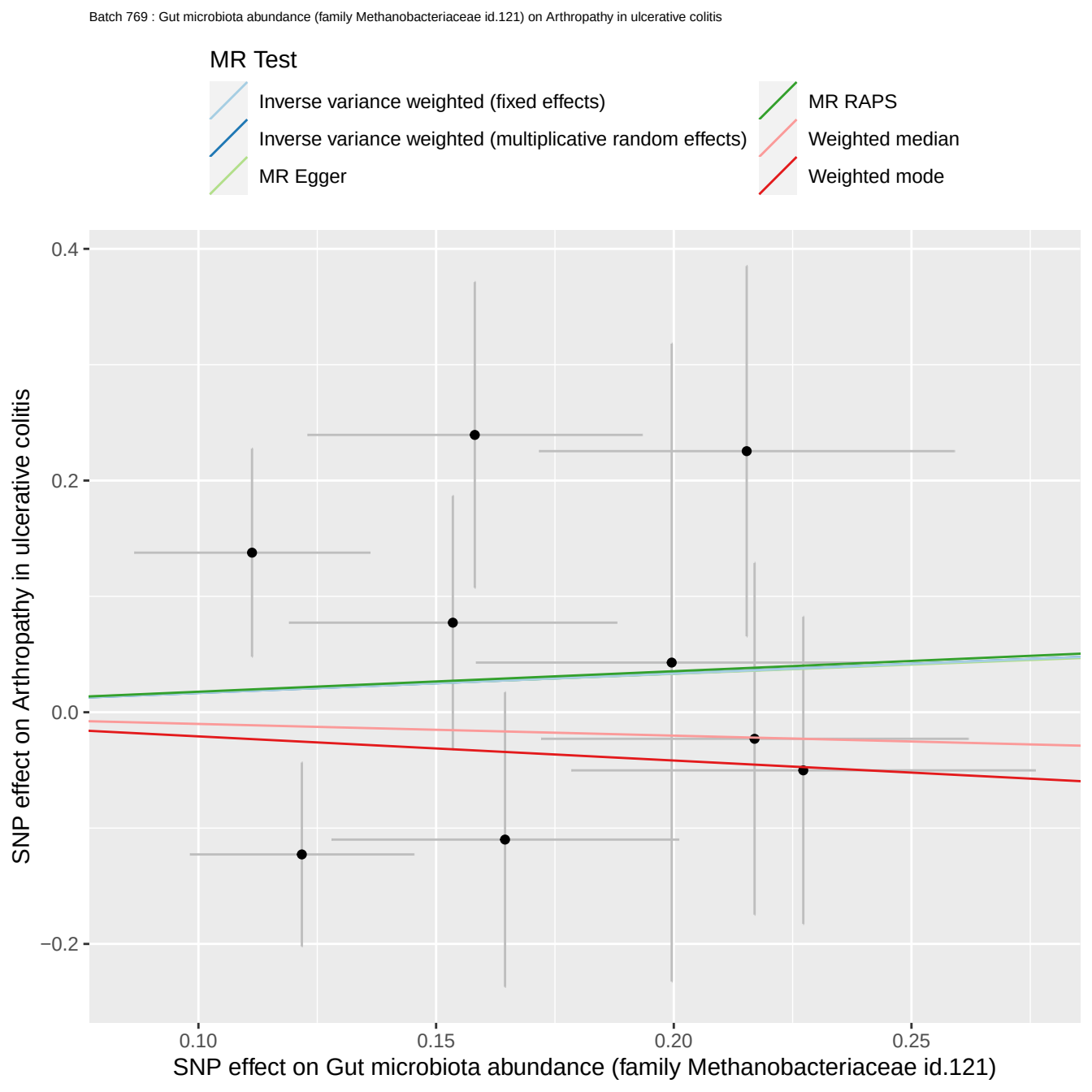
Batch 766 : Gut microbiota abundance (family Family XIII id.1957) on Arthropathy in ulcerative colitis

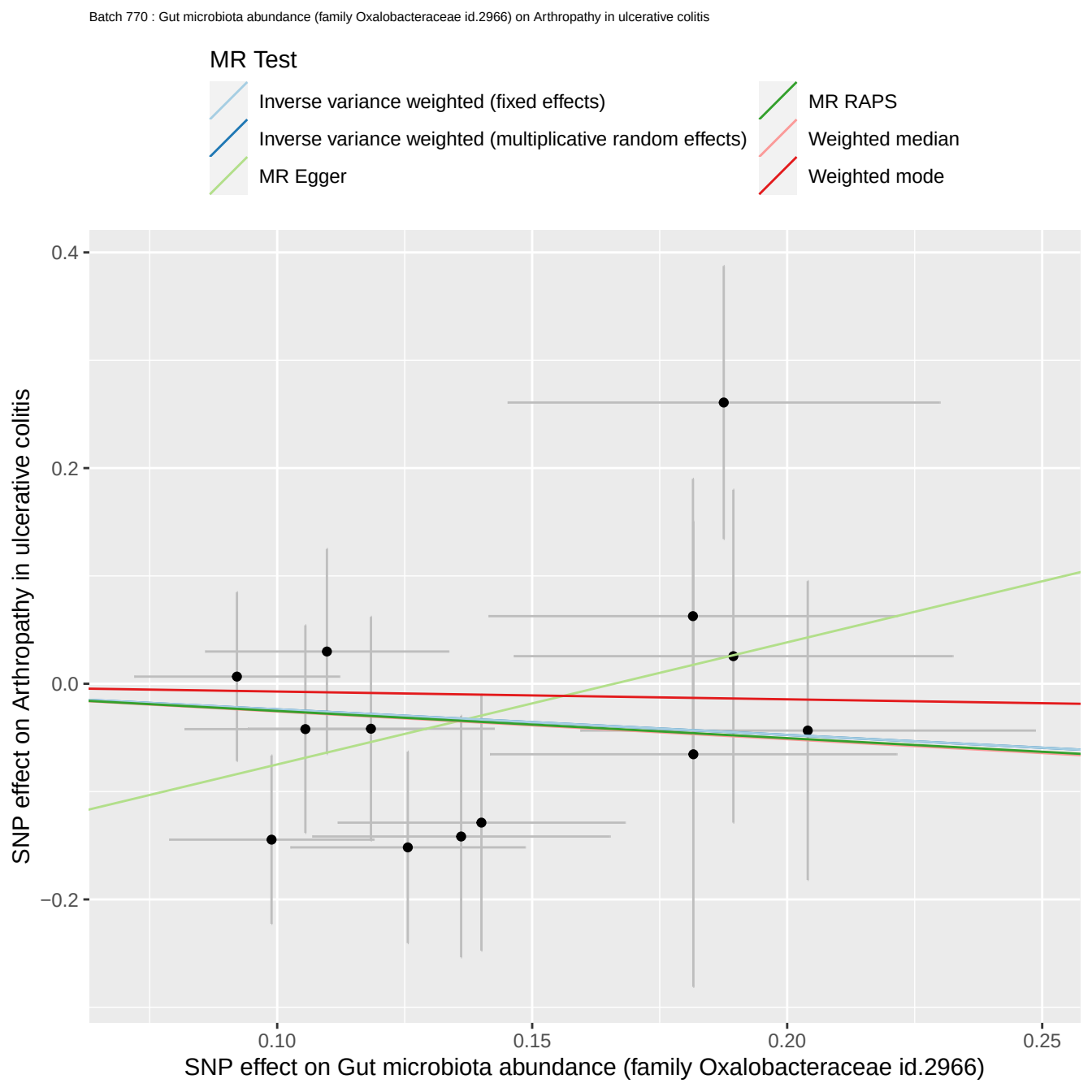


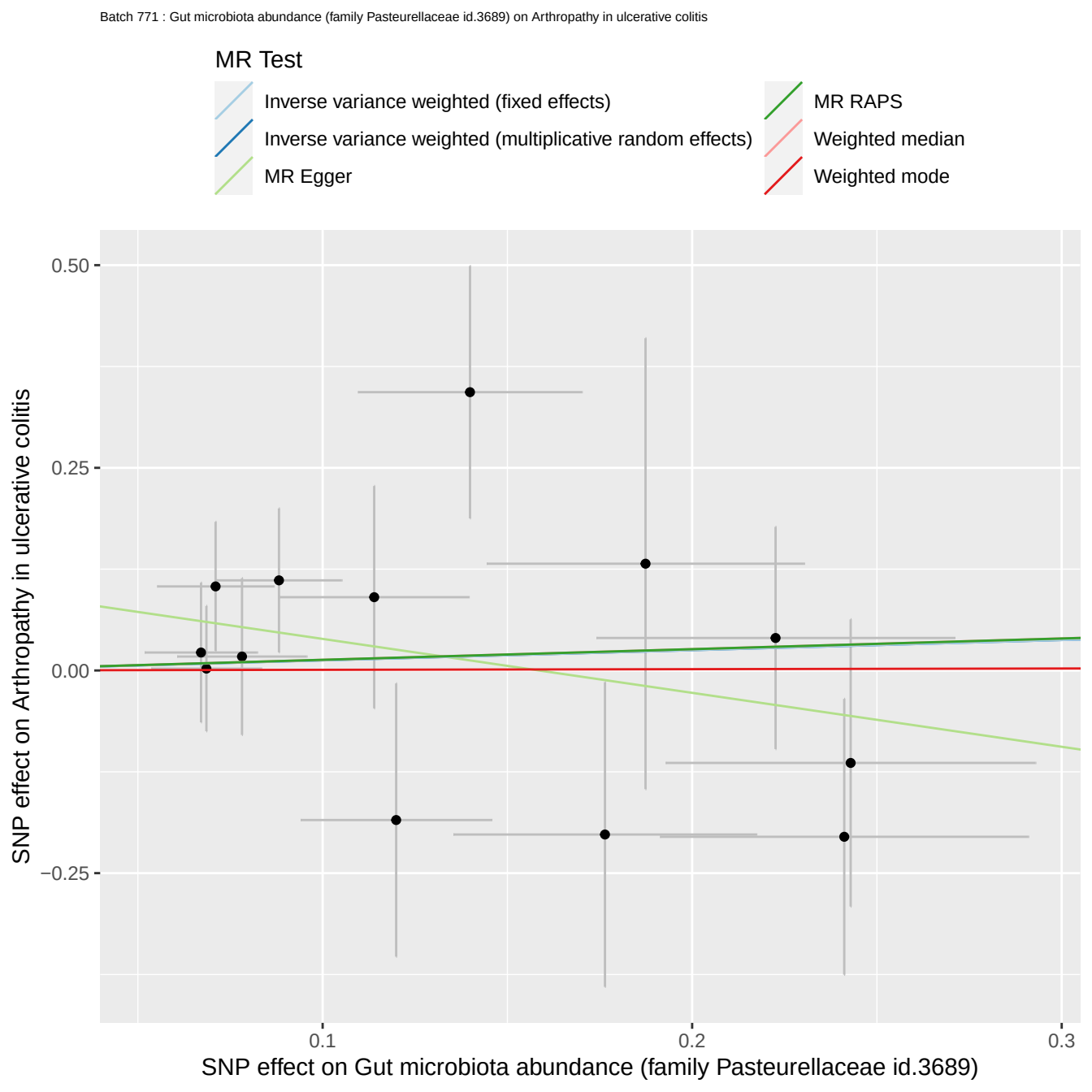
Batch 767 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Arthropathy in ulcerative colitis

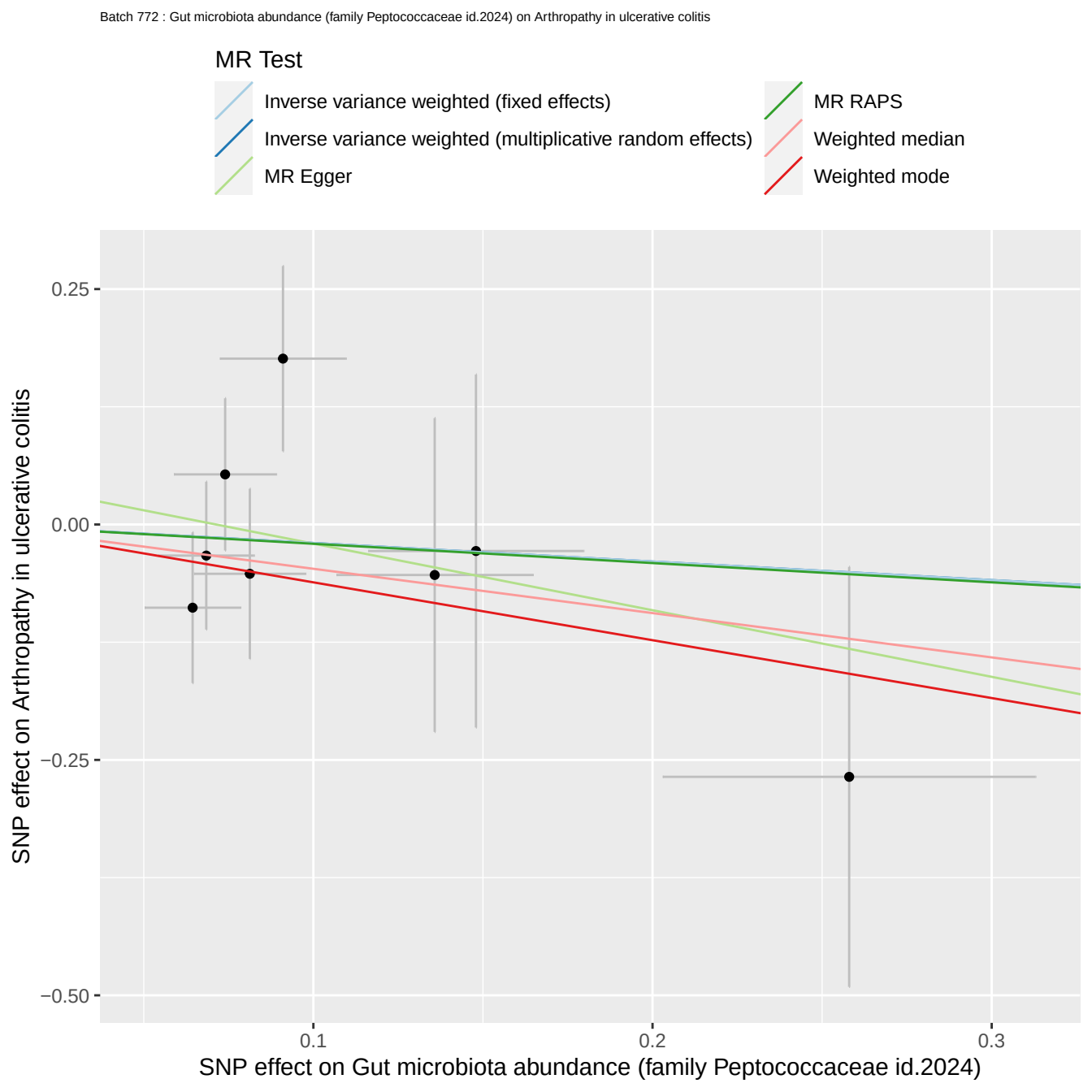


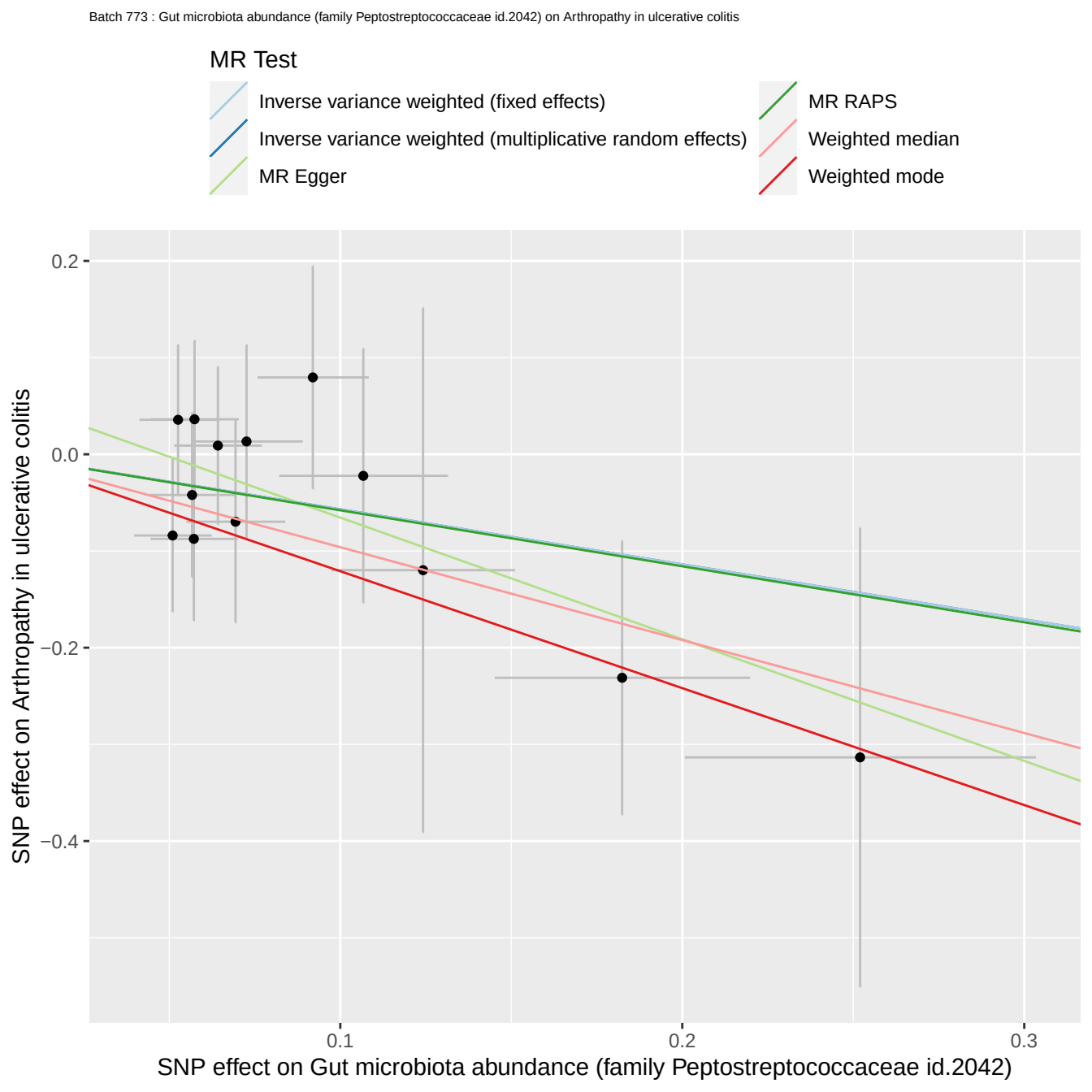

Batch 768 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

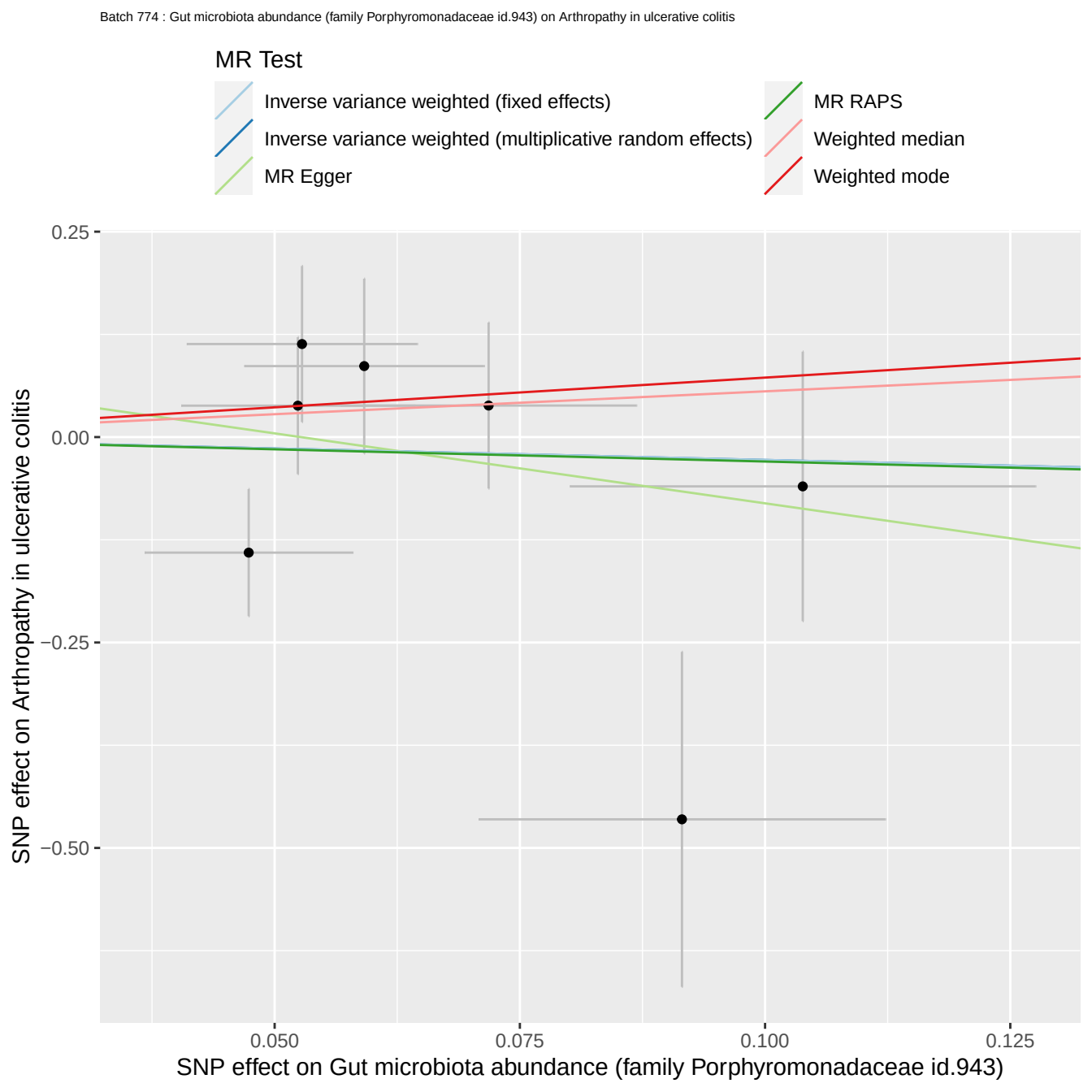

Batch 769 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

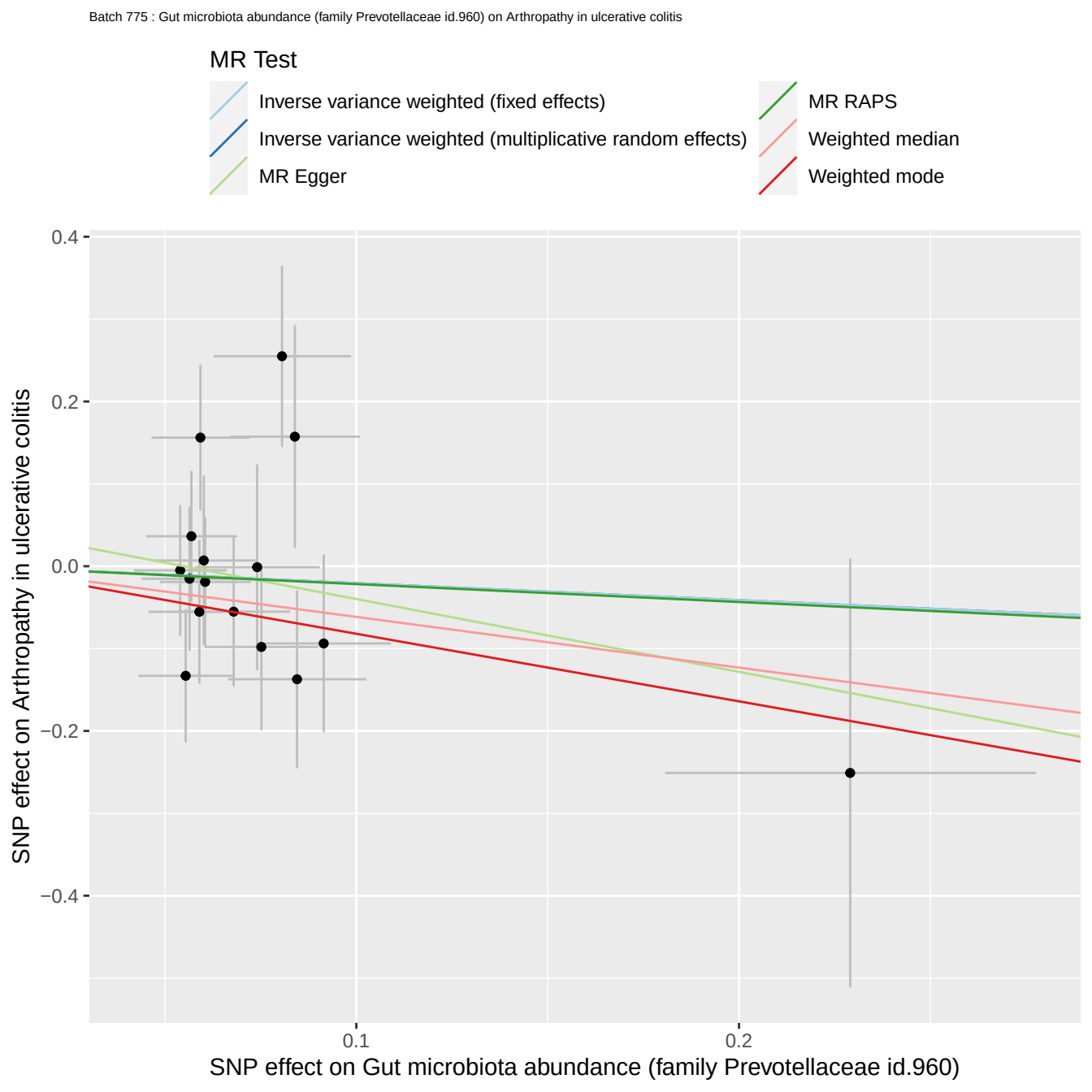

Batch 770 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)

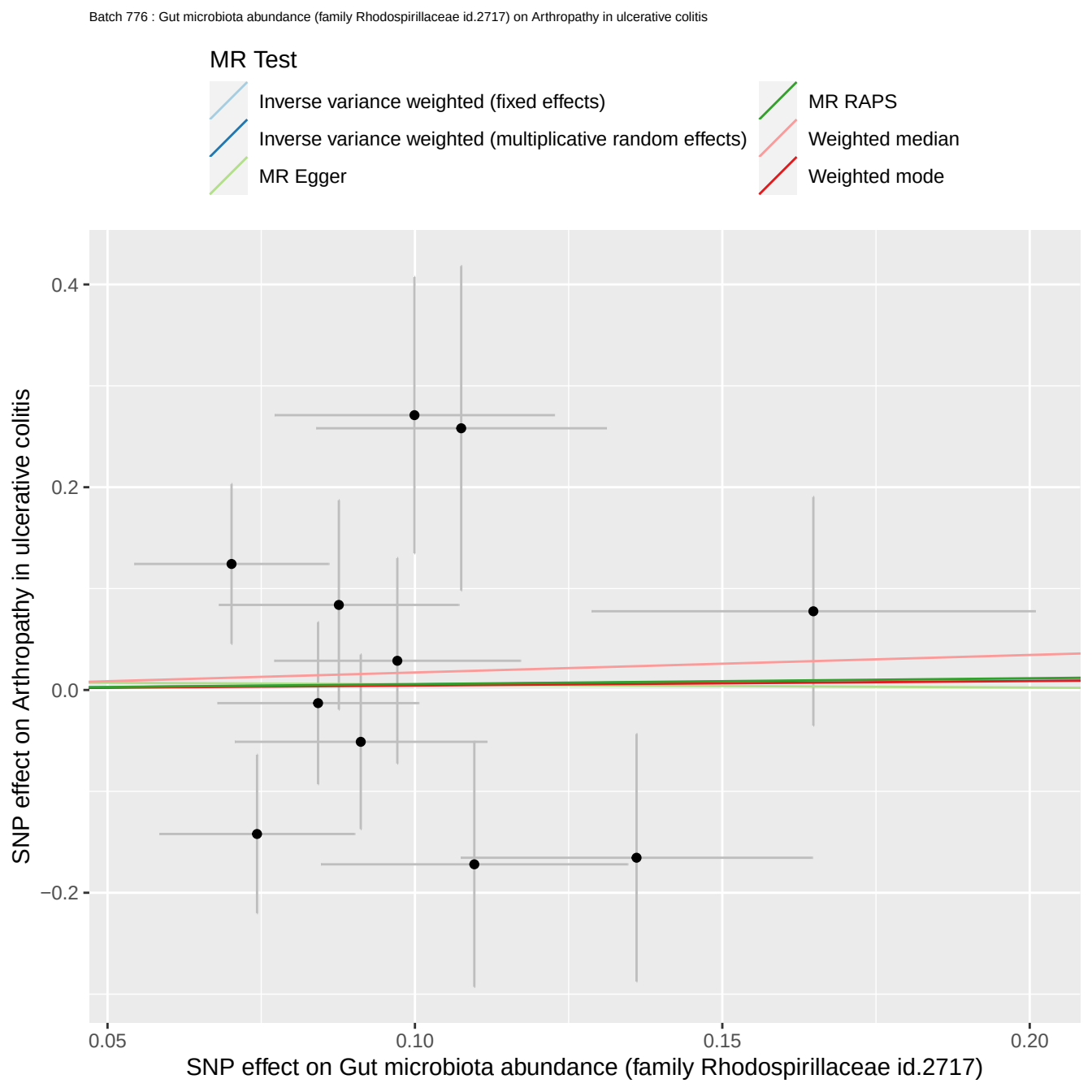

Batch 771 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Arthropathy in ulcerative colitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

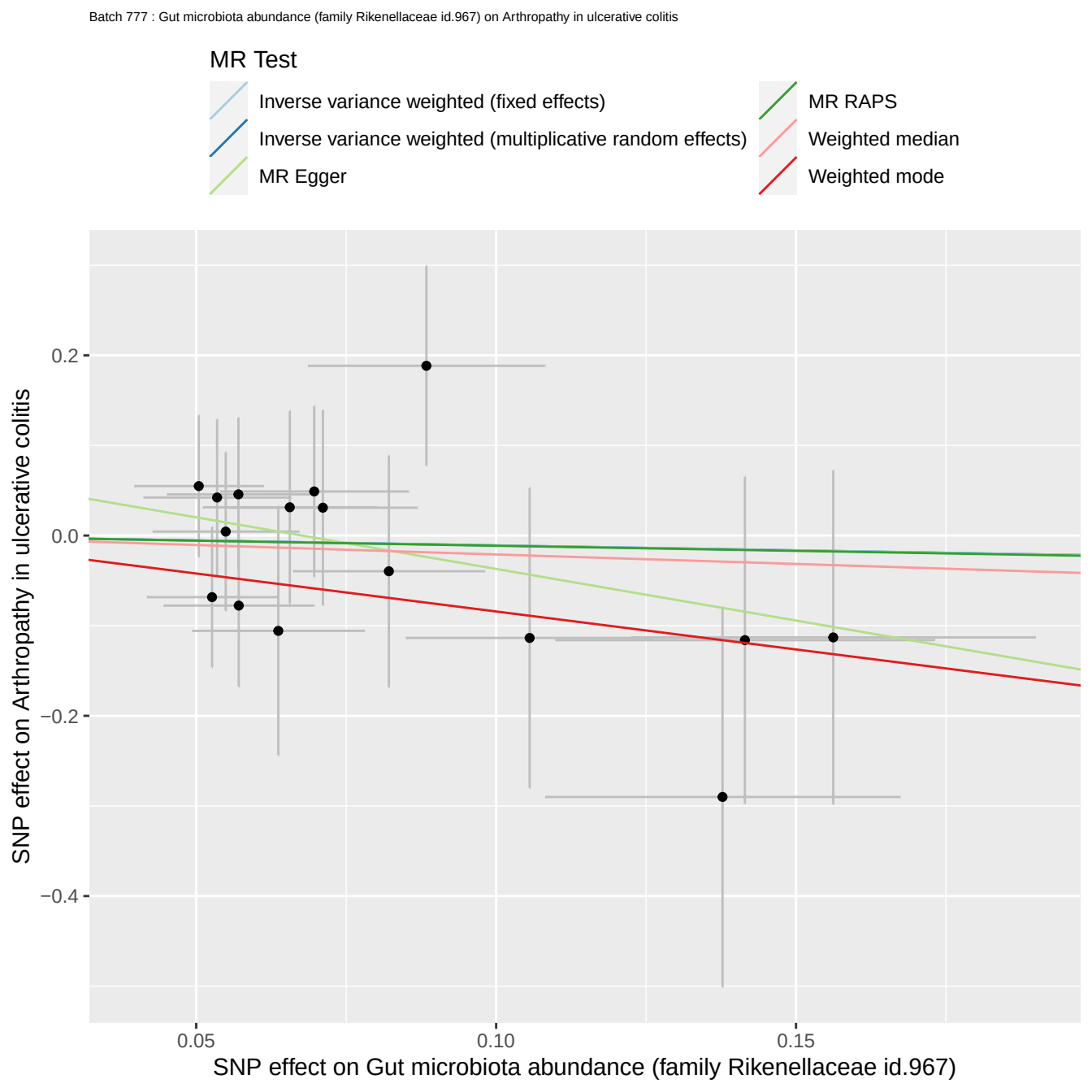

Batch 772 : Gut microbiota abundance (family Peptococcaceae id.2024) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
SNP effect on Arthropathy in ulcerative colitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)


Batch 773 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

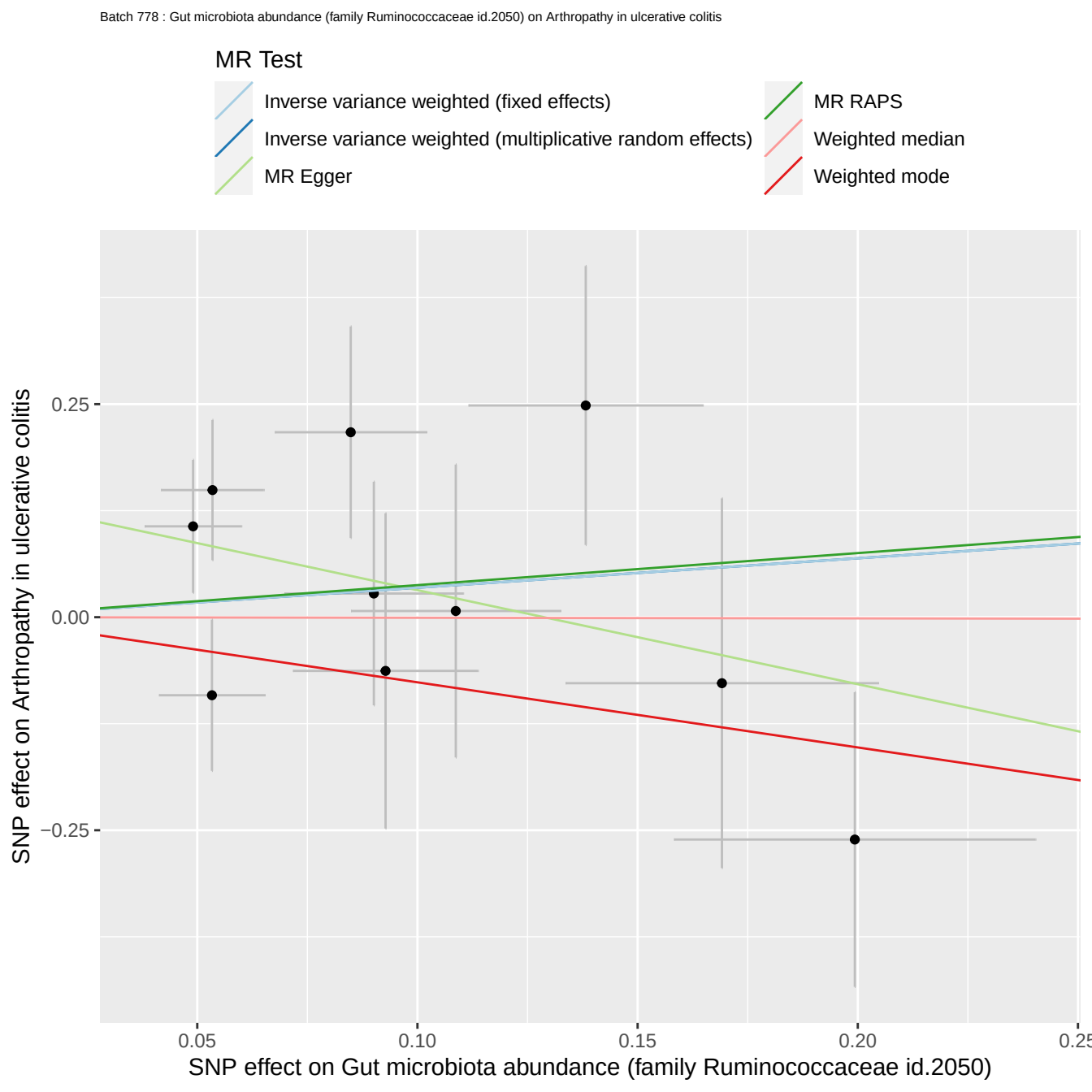

Batch 774 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
SNP effect on Arthropathy in ulcerative colitis
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)


Batch 775 : Gut microbiota abundance (family Prevotellaceae id.960) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

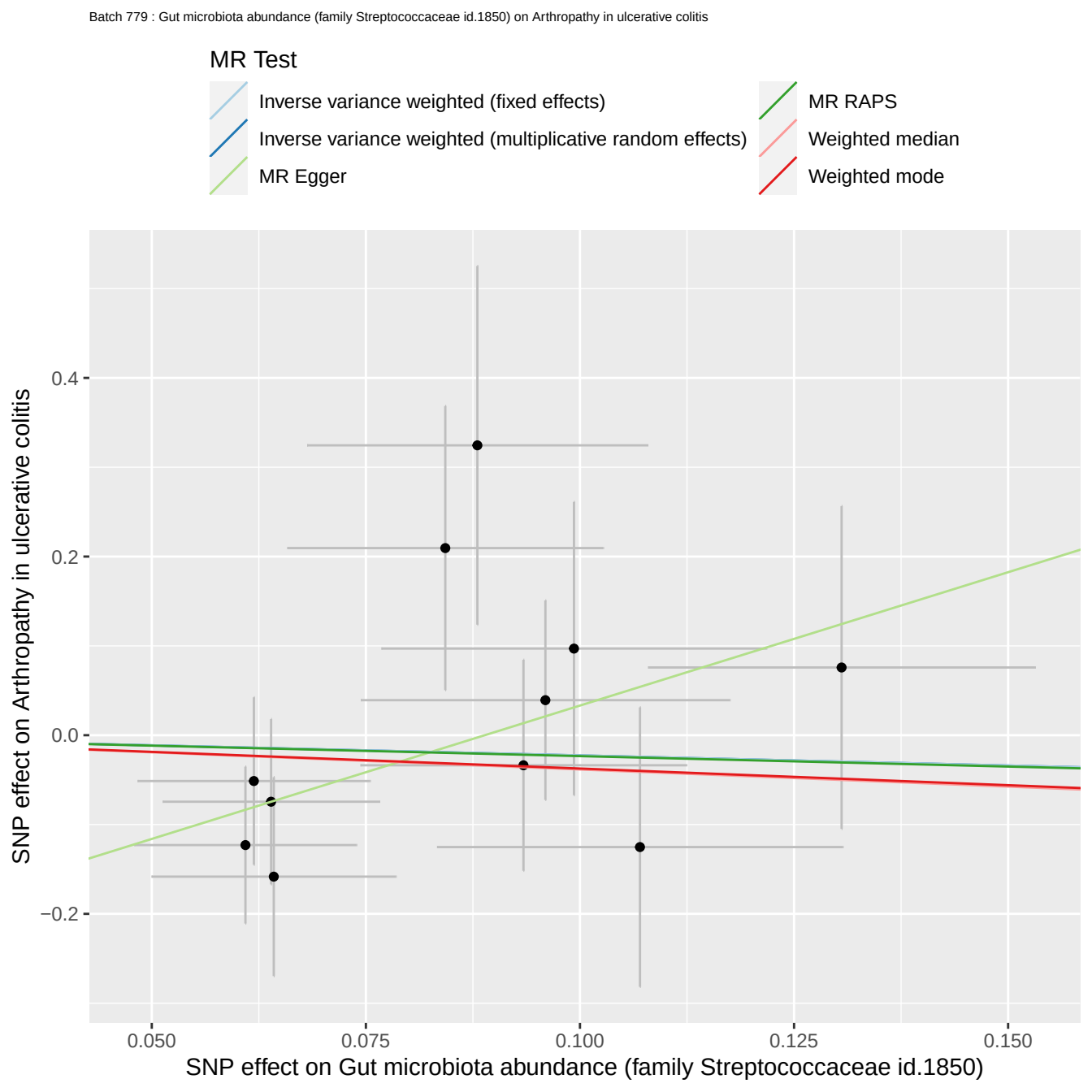

Batch 776 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)

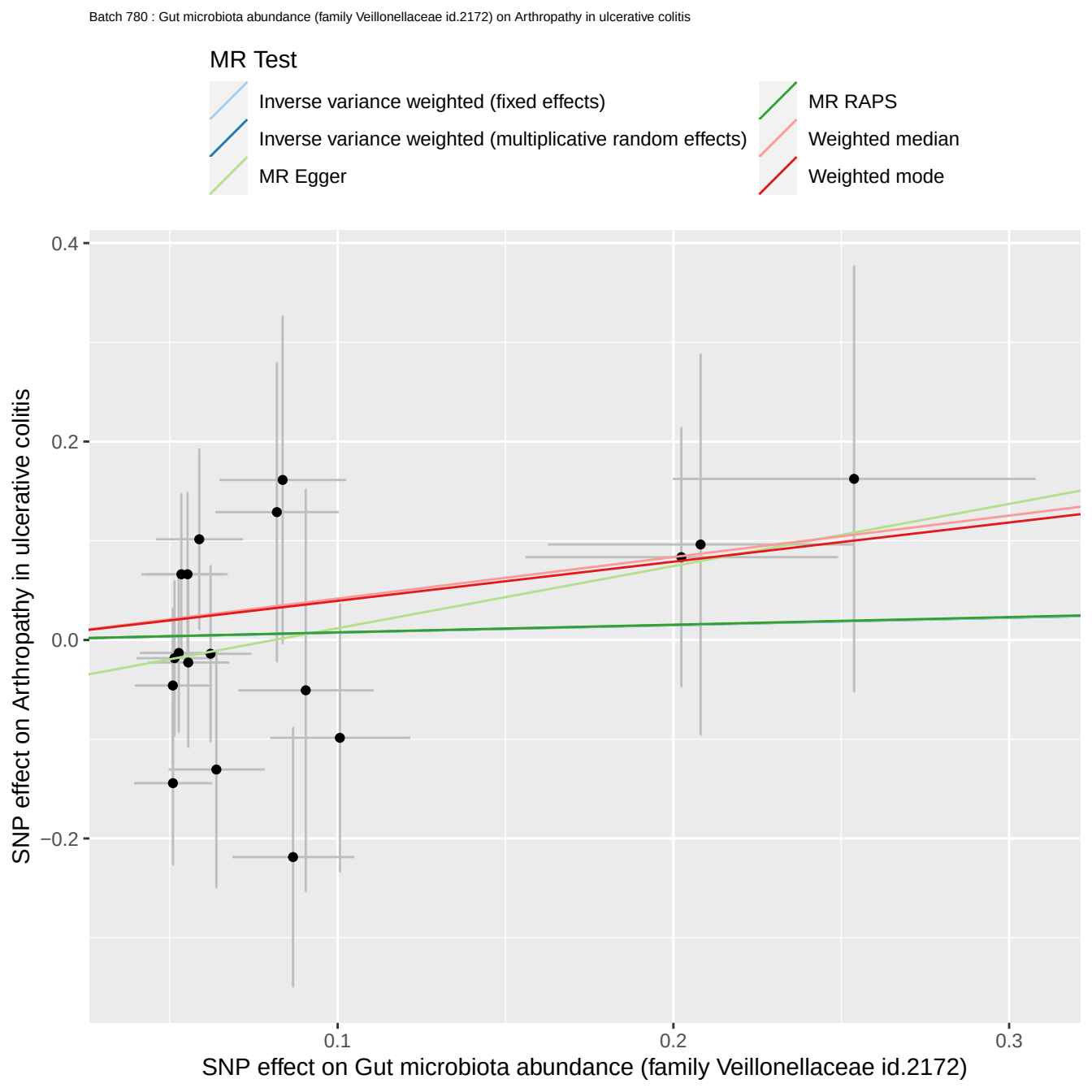

Batch 777 : Gut microbiota abundance (family Rikenellaceae id.967) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

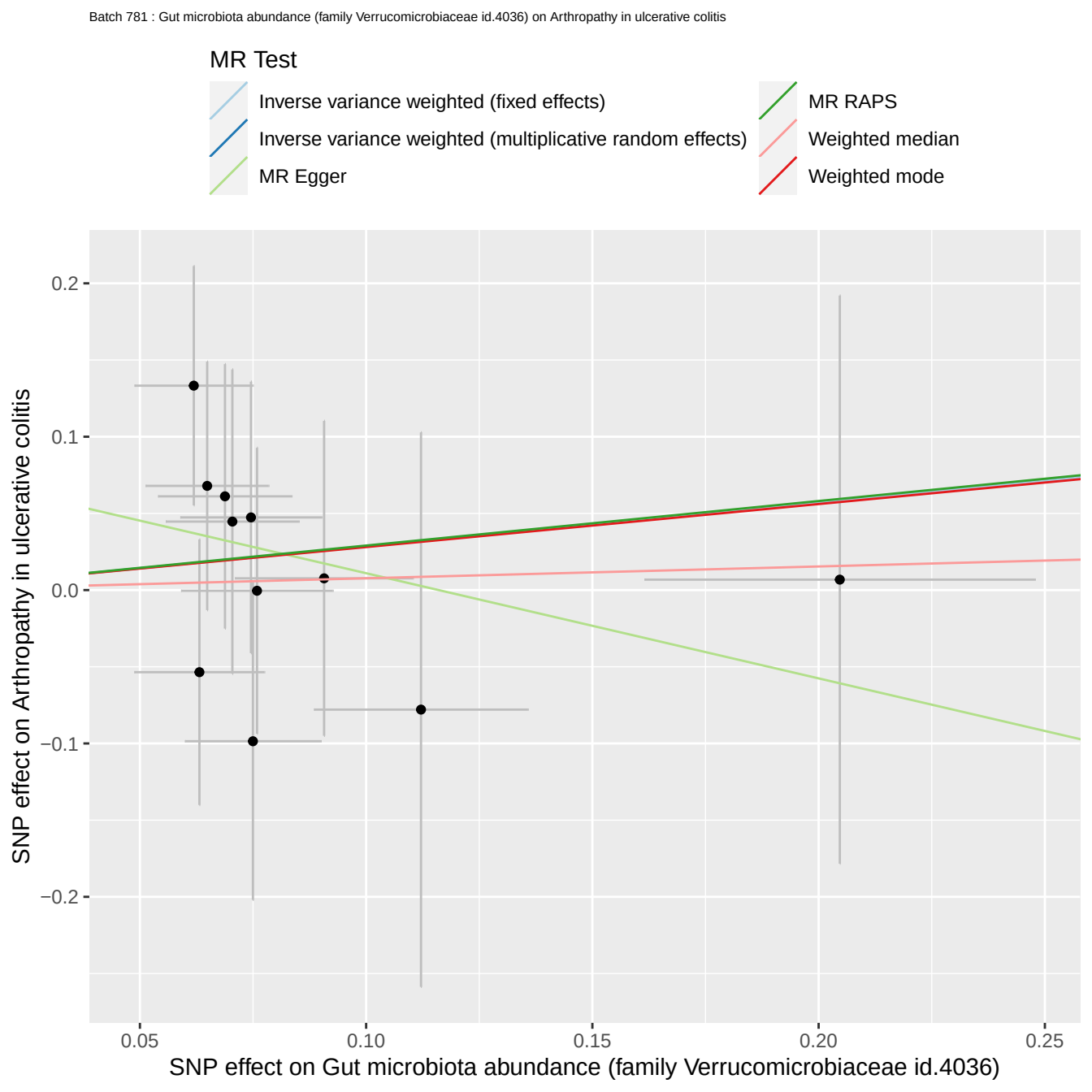
Batch 778 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Arthropathy in ulcerative colitis

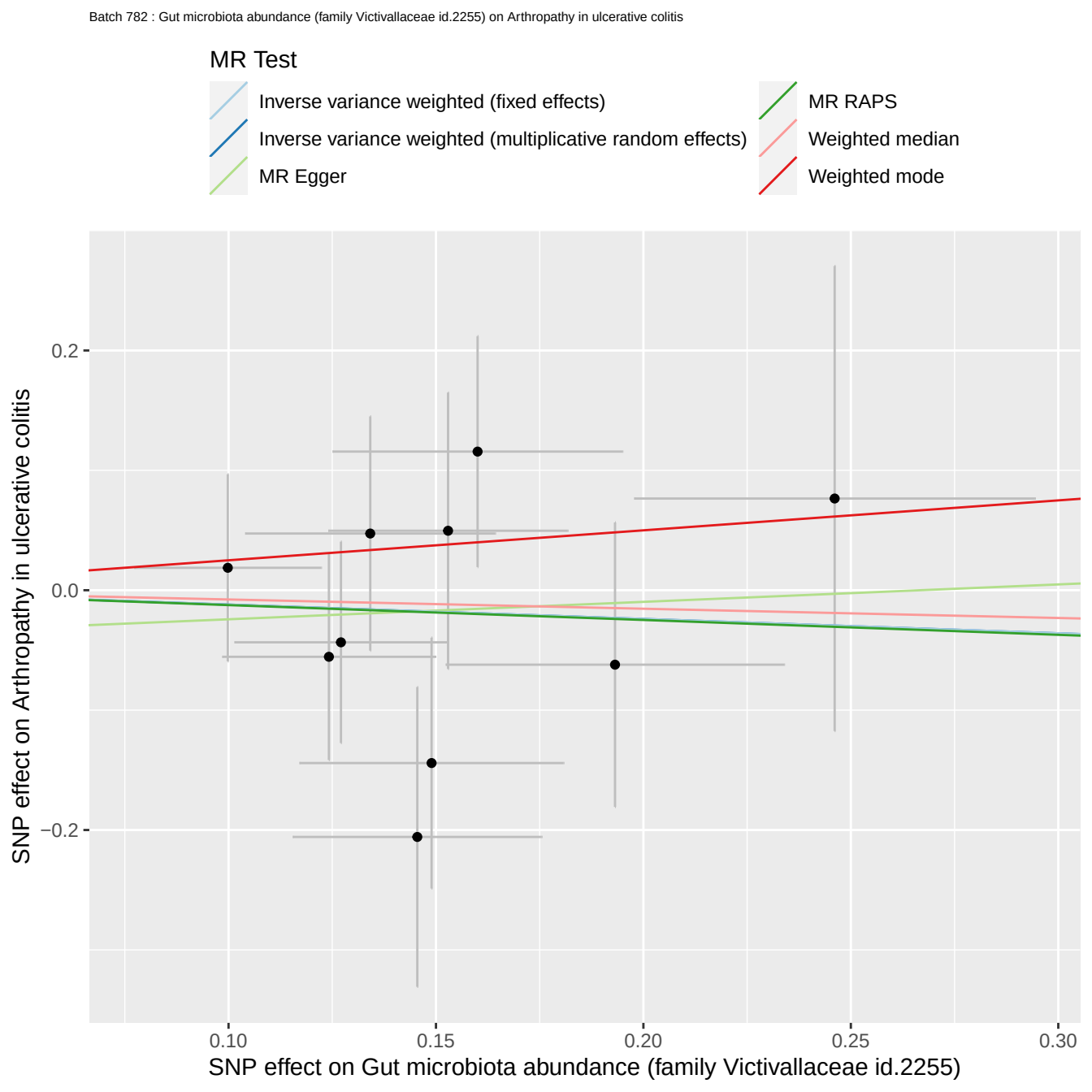


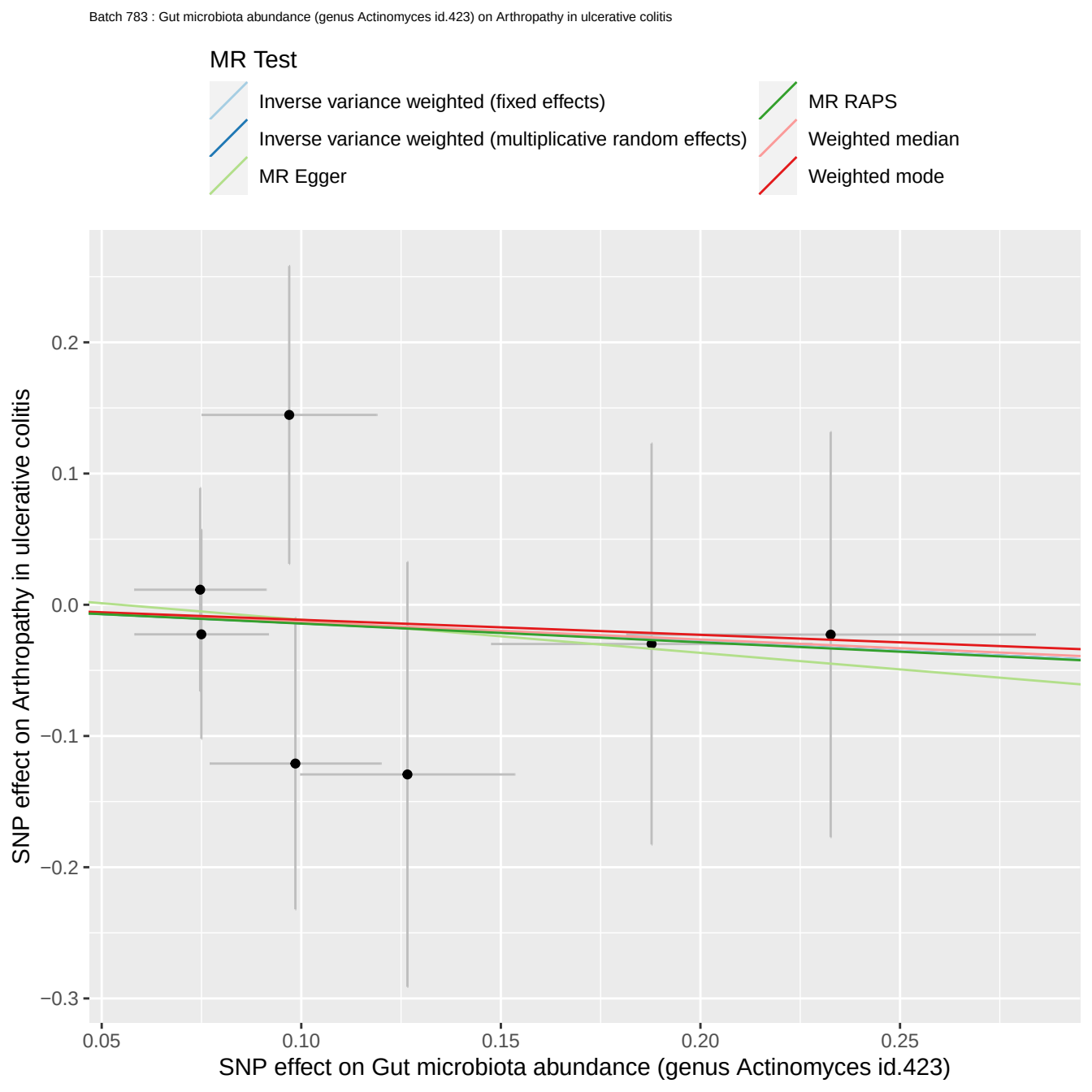
Batch 779 : Gut microbiota abundance (family Streptococcaceae id.1850) on Arthropathy in ulcerative colitis



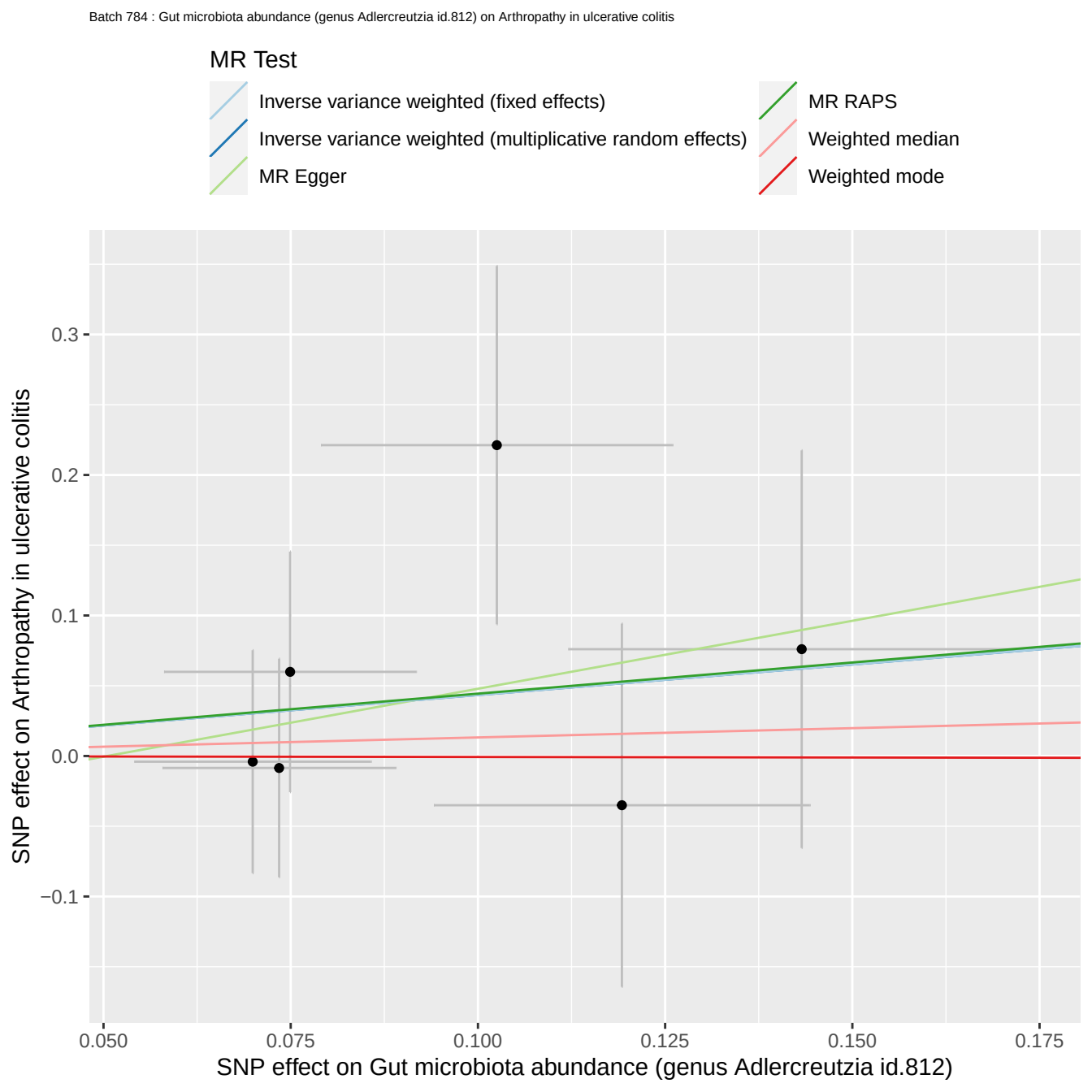

Batch 780 : Gut microbiota abundance (family Veillonellaceae id.2172) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

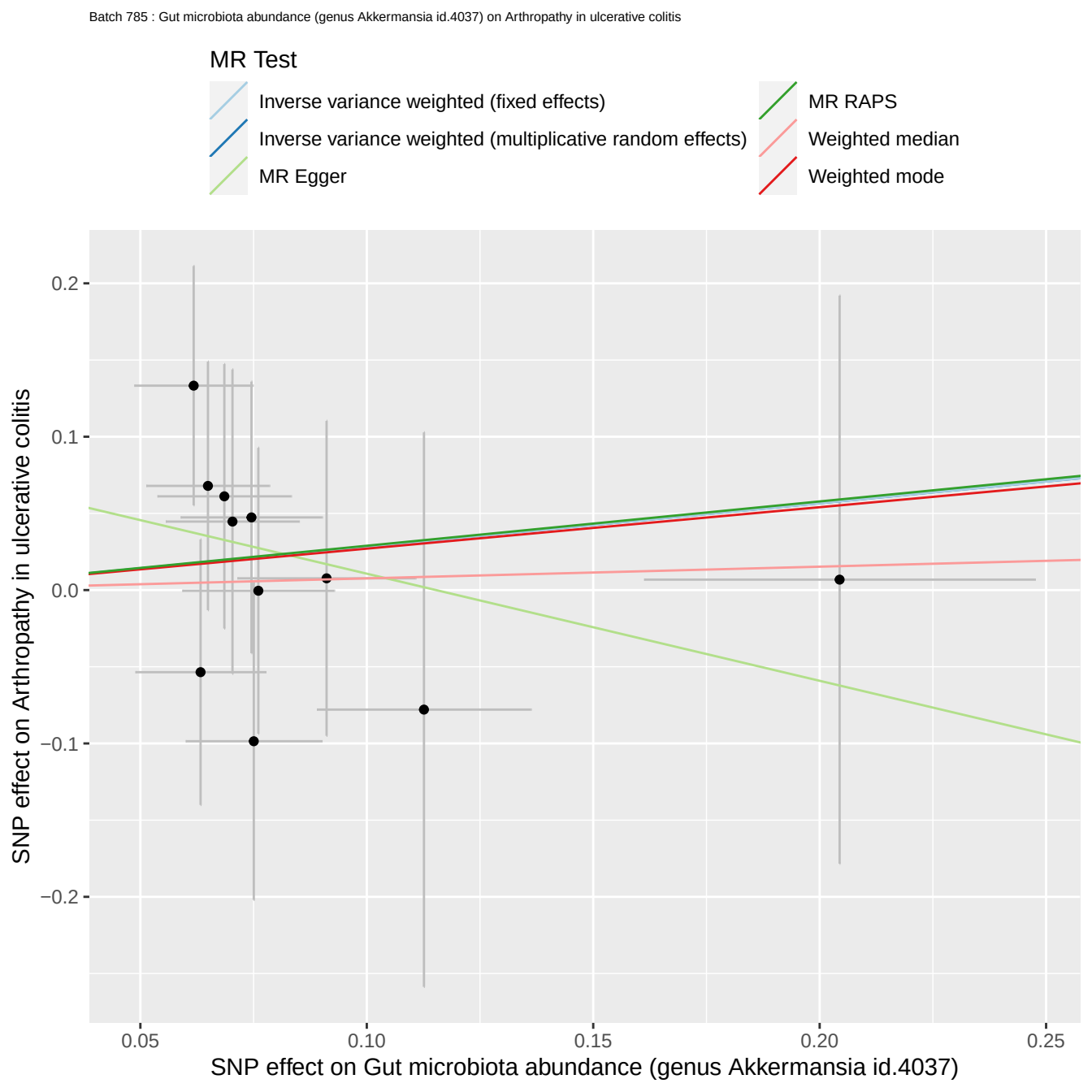

Batch 781 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

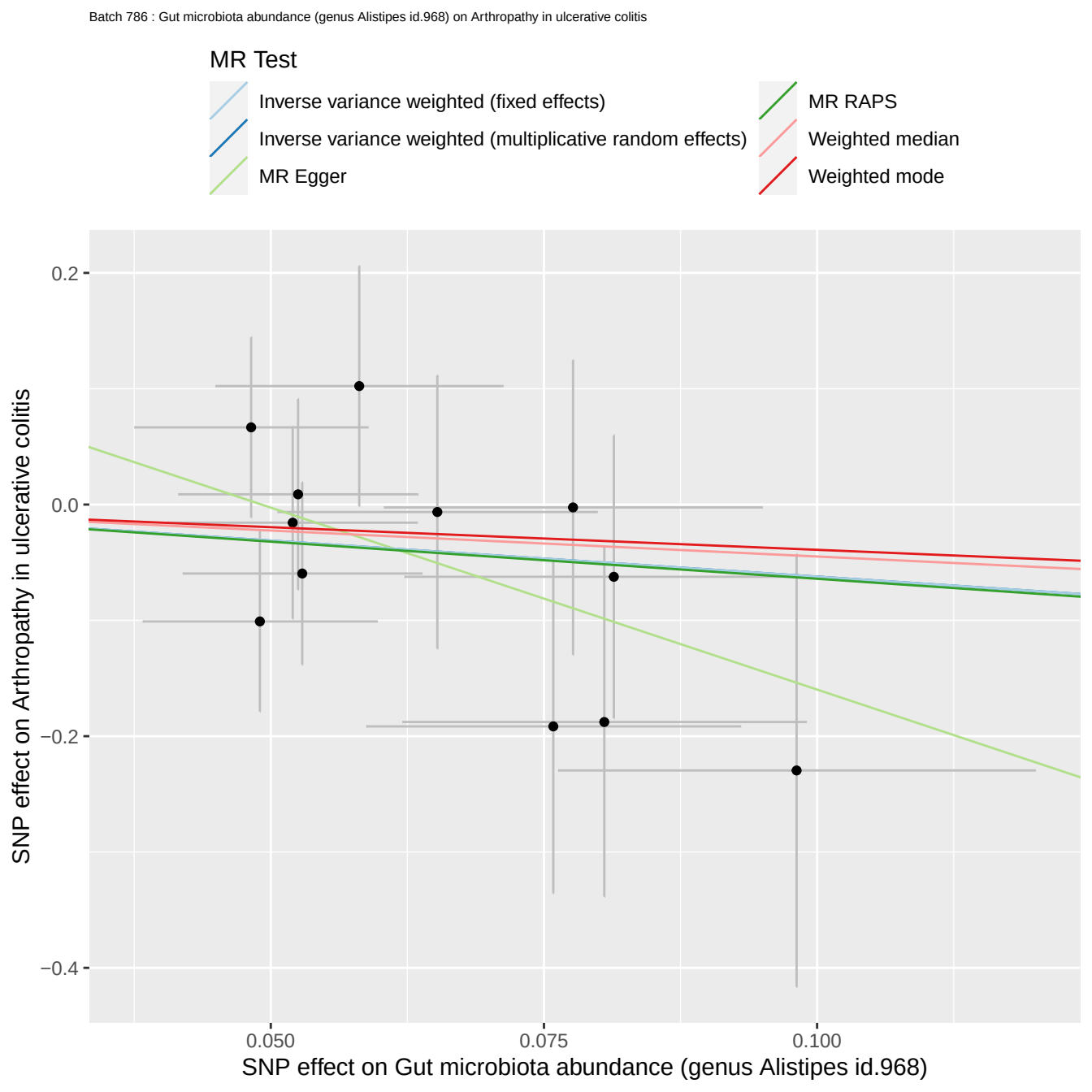

Batch 782 : Gut microbiota abundance (family Victivallaceae id.2255) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Victivallaceae id.2255)

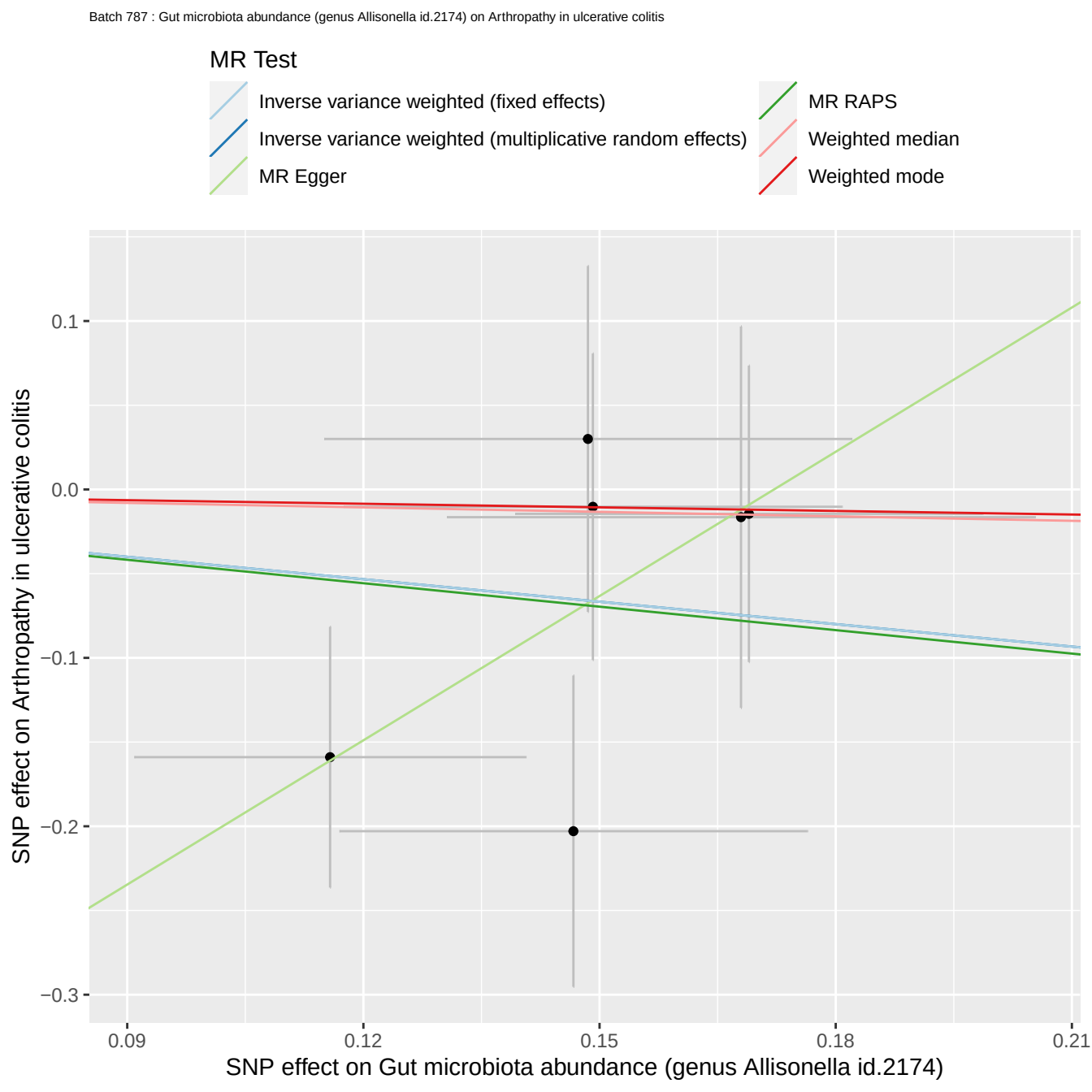

Batch 783 : Gut microbiota abundance (genus Actinomyces id.423) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

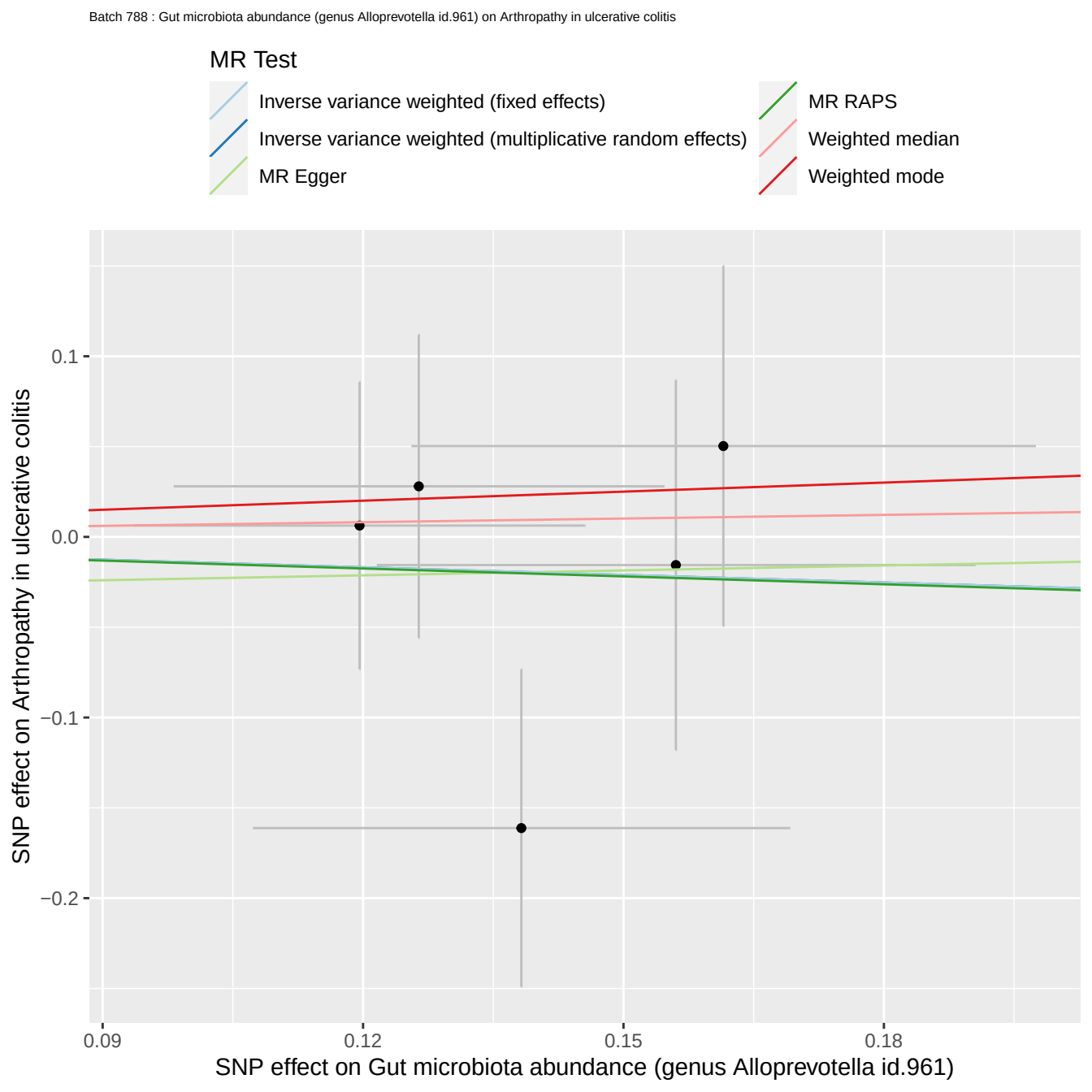
Batch 784 : Gut microbiota abundance (genus Adlercreutzia id.812) on Arthropathy in ulcerative colitis



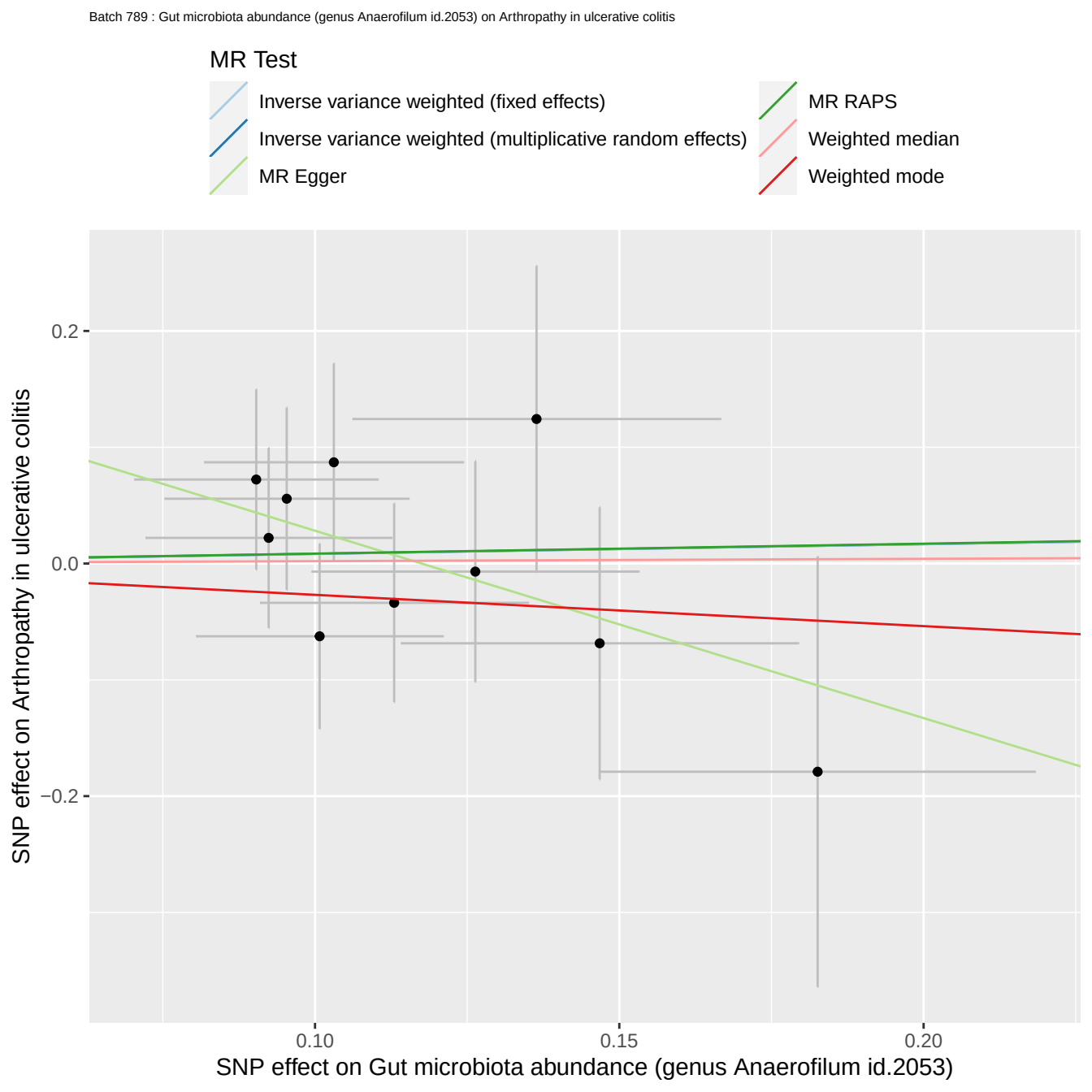

Batch 785 : Gut microbiota abundance (genus Akkermansia id.4037) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)


Batch 786 : Gut microbiota abundance (genus Alistipes id.968) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Arthropathy in ulcerative colitis
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)

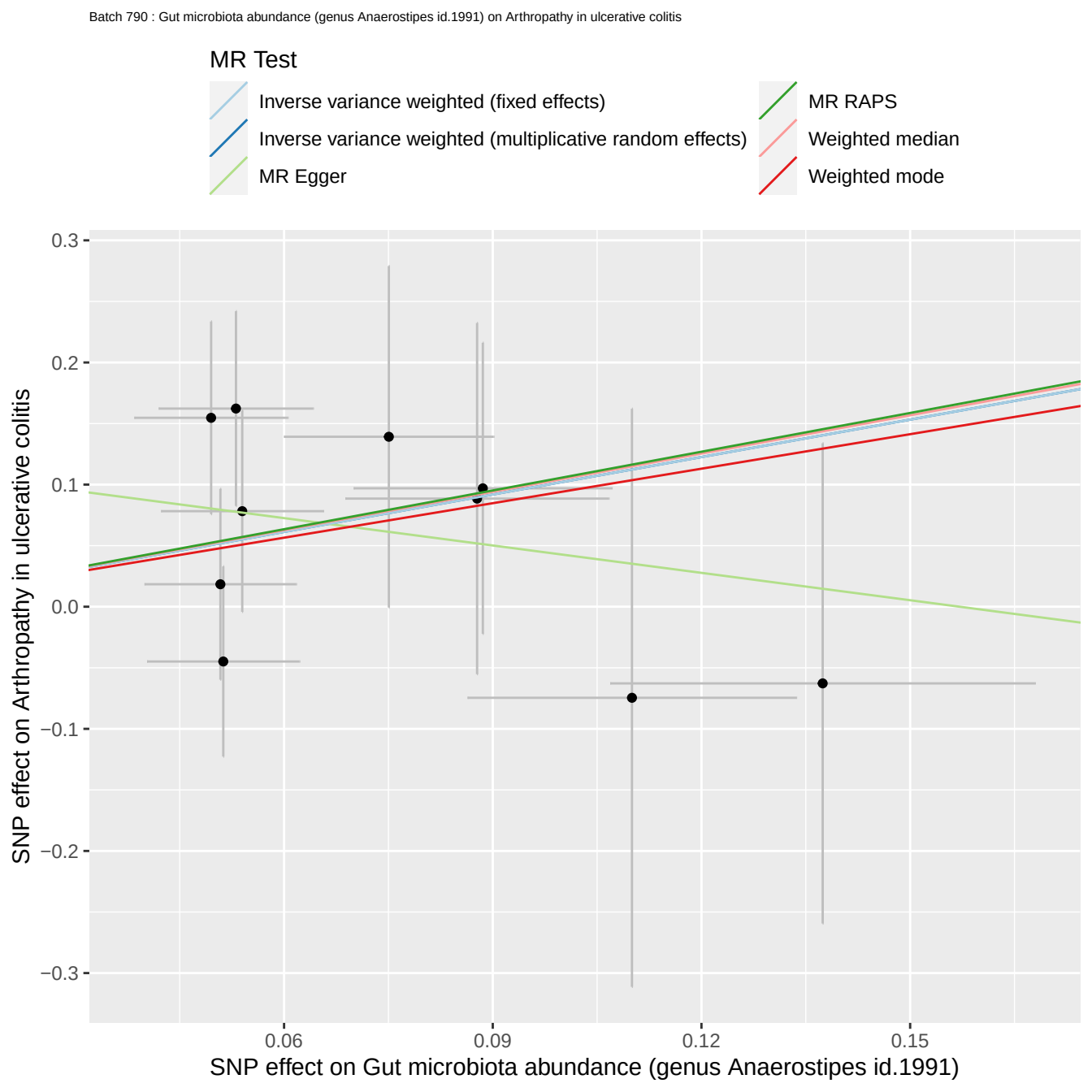

Batch 787 : Gut microbiota abundance (genus Allisonella id.2174) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

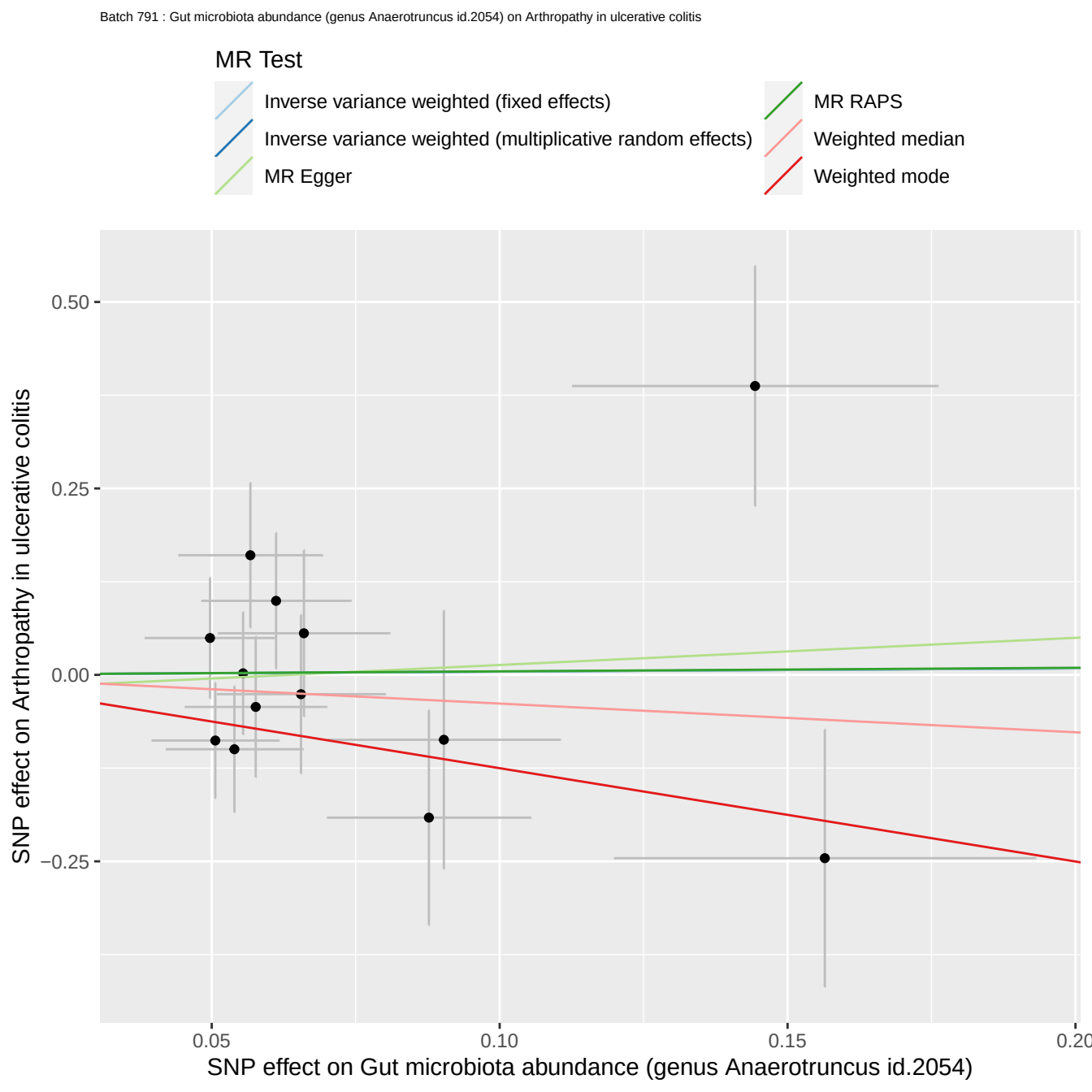

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

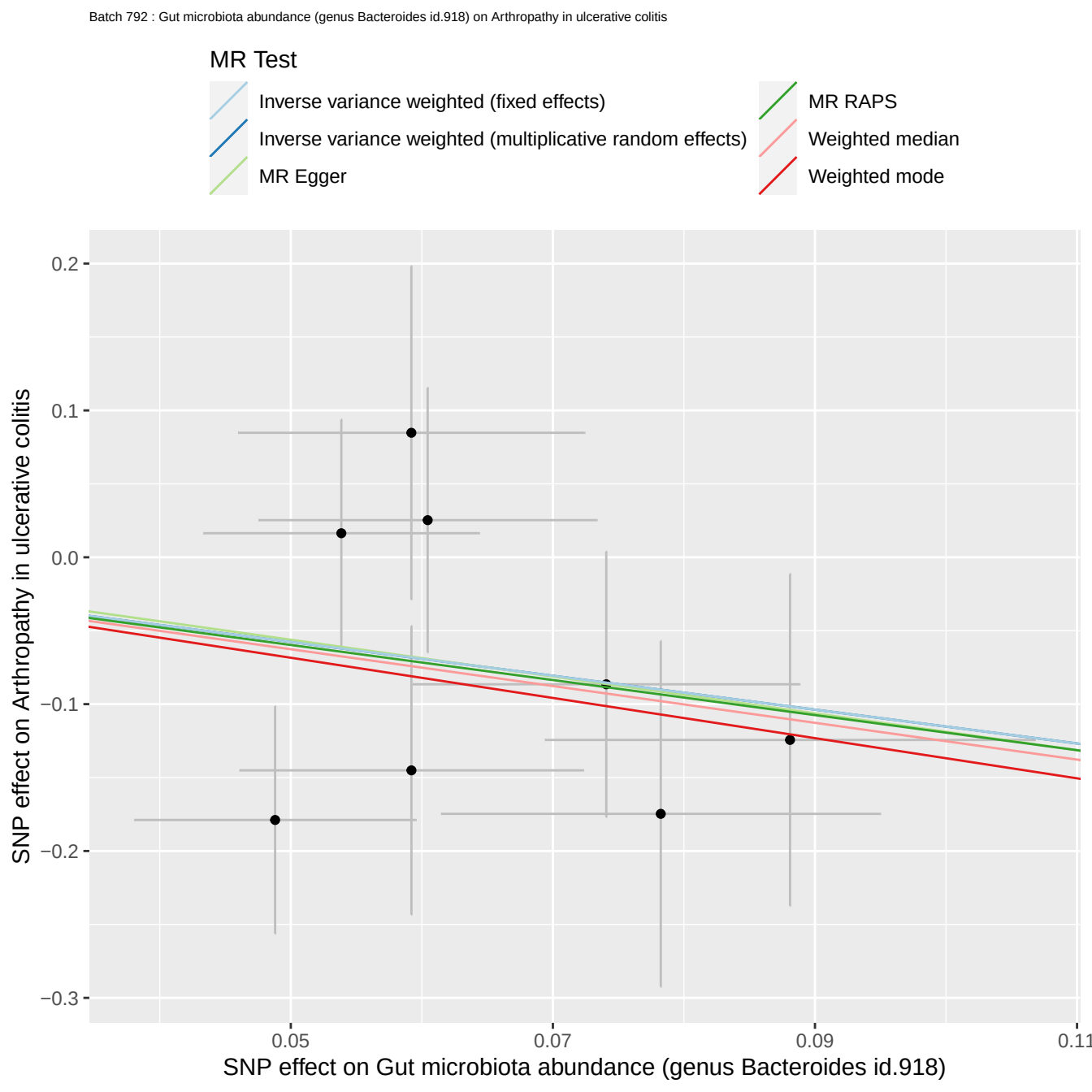
Batch 789 : Gut microbiota abundance (genus Anaerofilum id.2053) on Arthropathy in ulcerative colitis

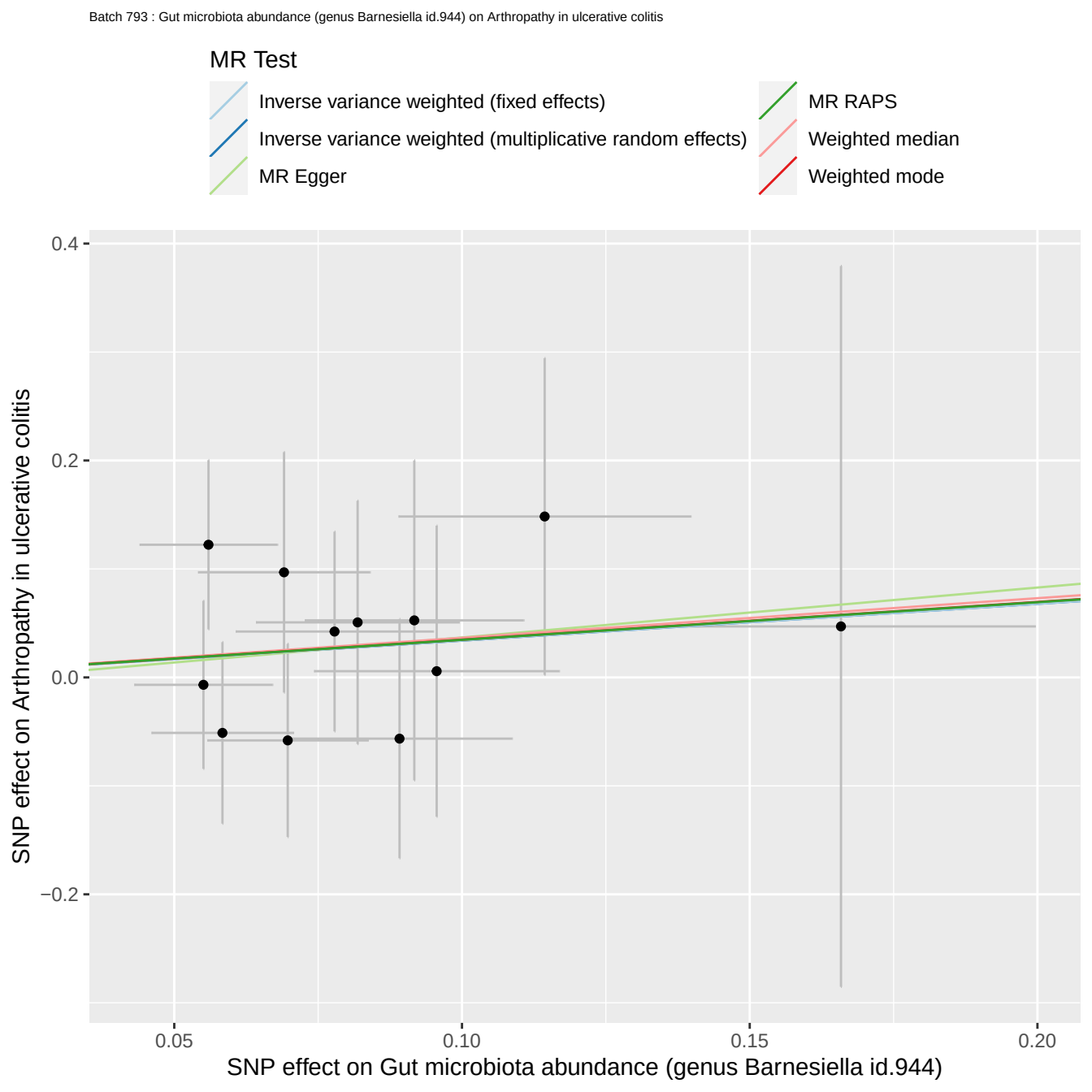


Batch 790 : Gut microbiota abundance (genus Anaerostipes id.1991) on Arthropathy in ulcerative colitis

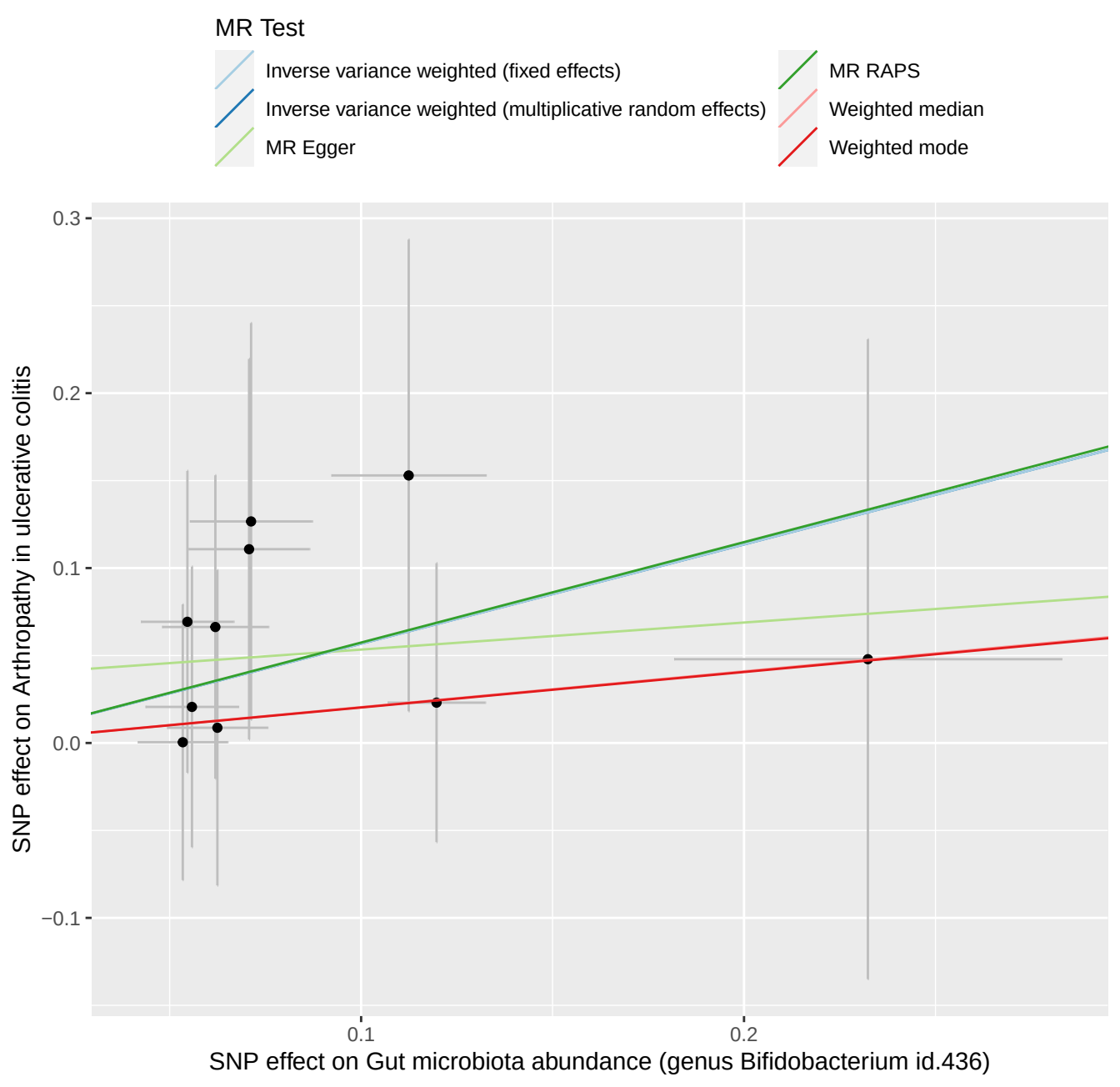


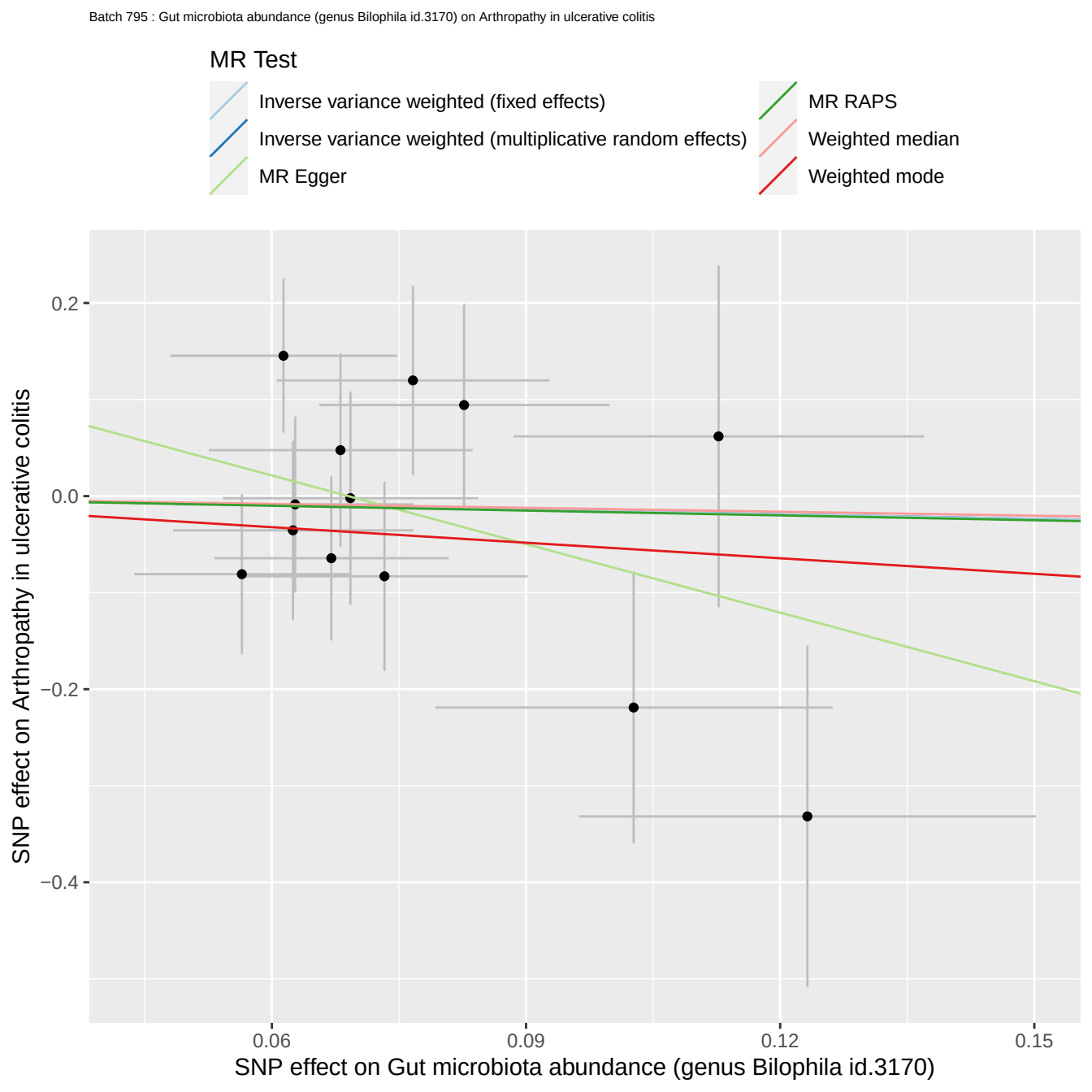

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Arthropathy in ulcerative colitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)


Batch 792 : Gut microbiota abundance (genus Bacteroides id.918) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.07
0.09
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

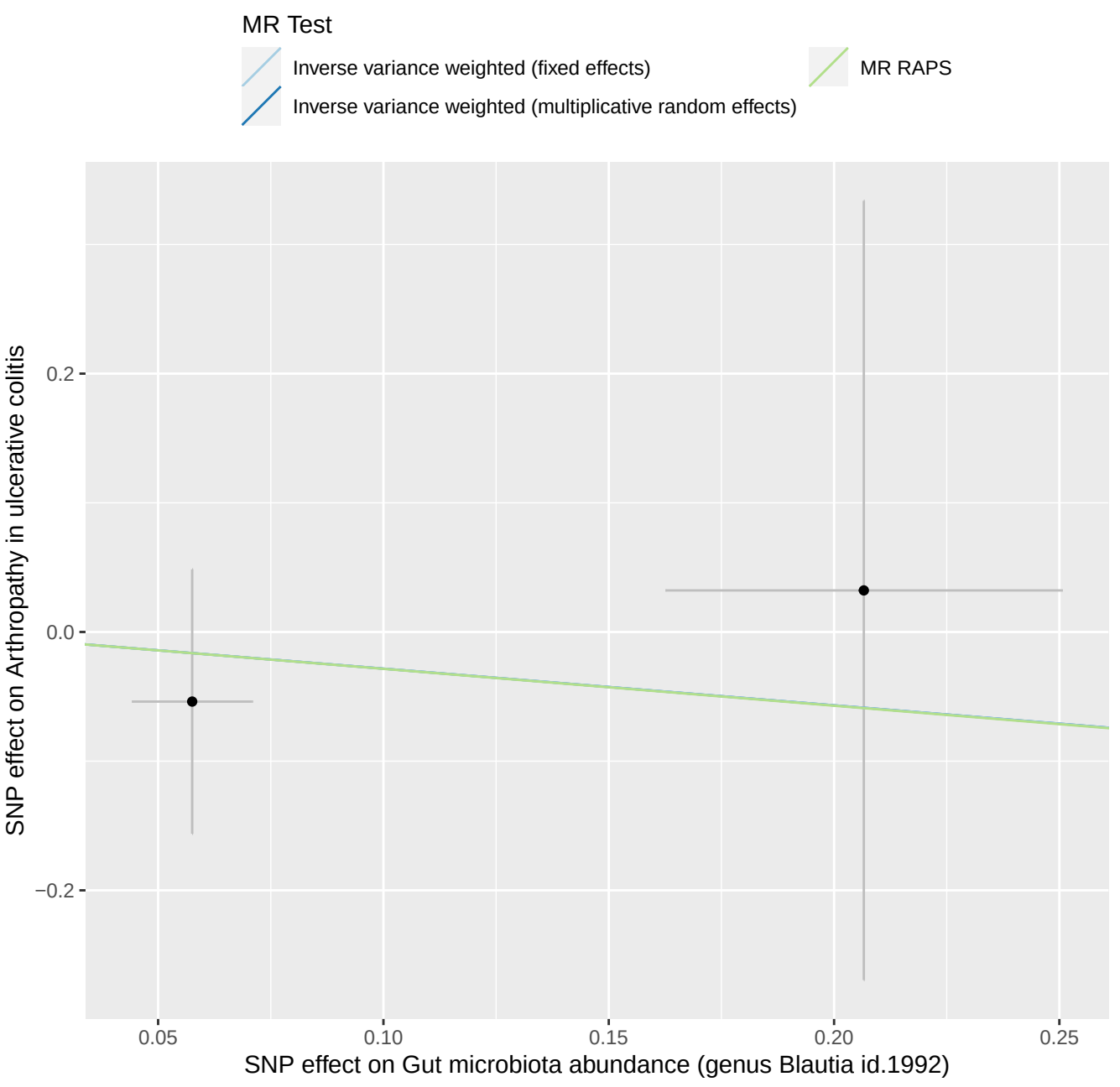

Batch 793 : Gut microbiota abundance (genus Barnesiella id.944) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

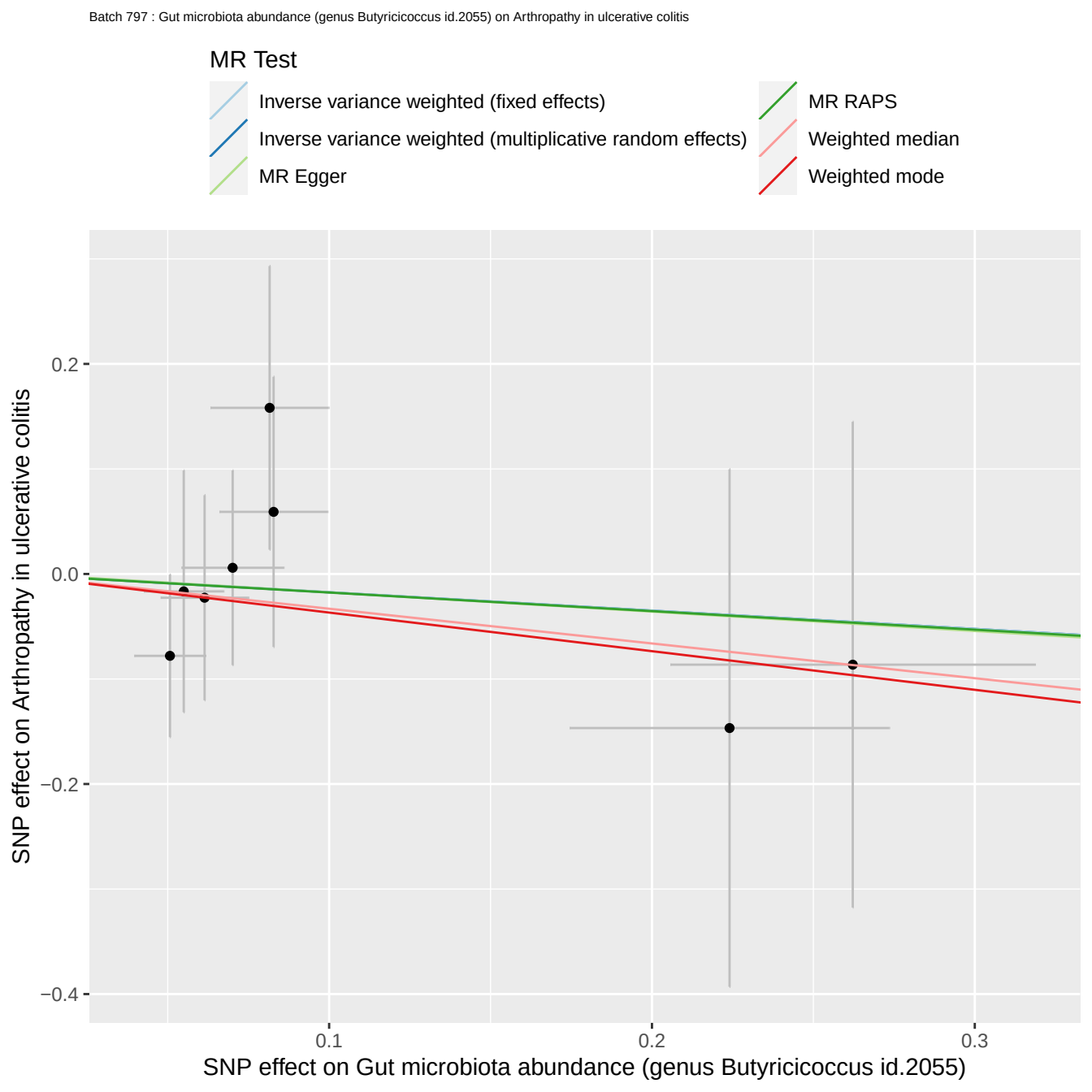
Batch 794 : Gut microbiota abundance (genus Bifidobacterium id.436) on Arthropathy in ulcerative colitis

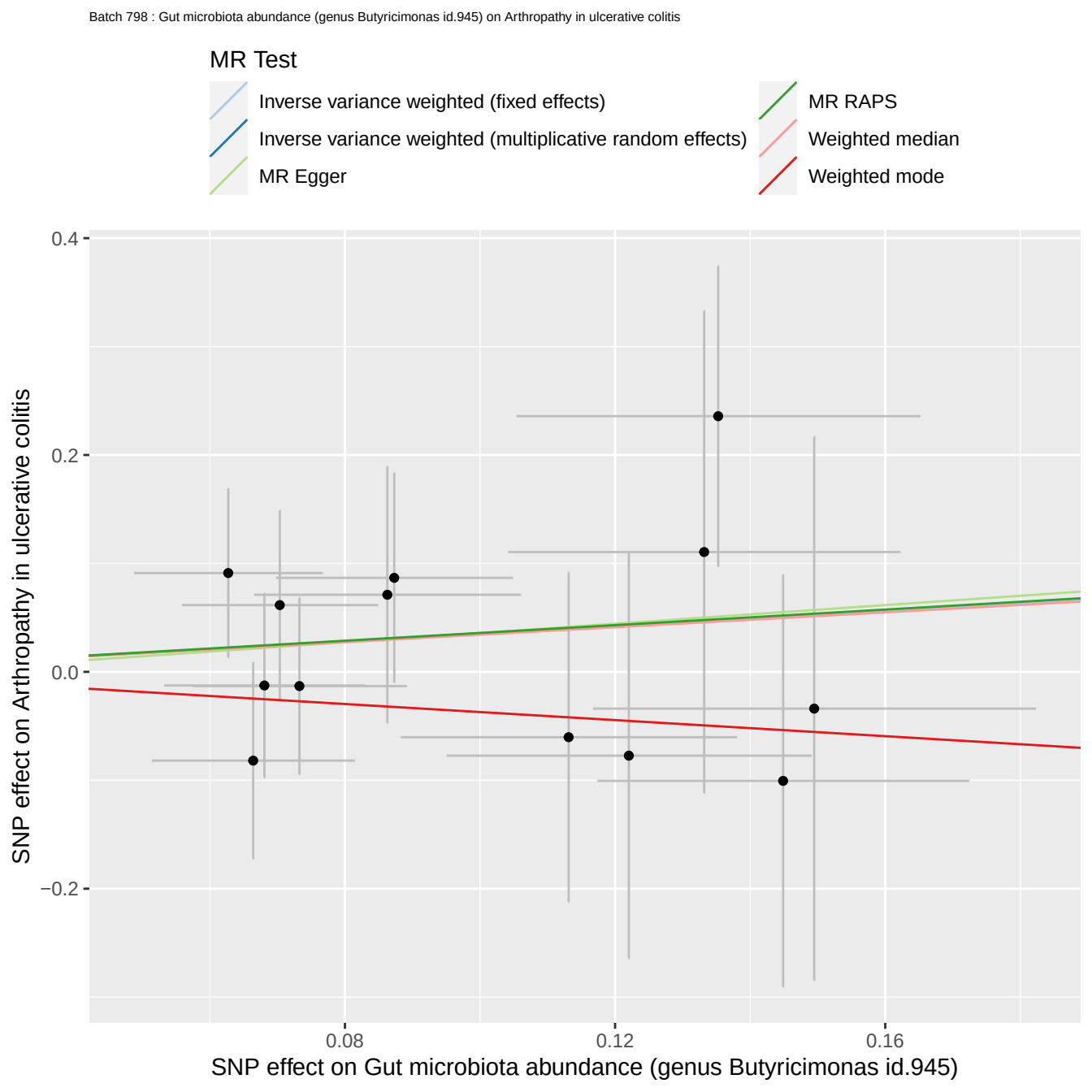


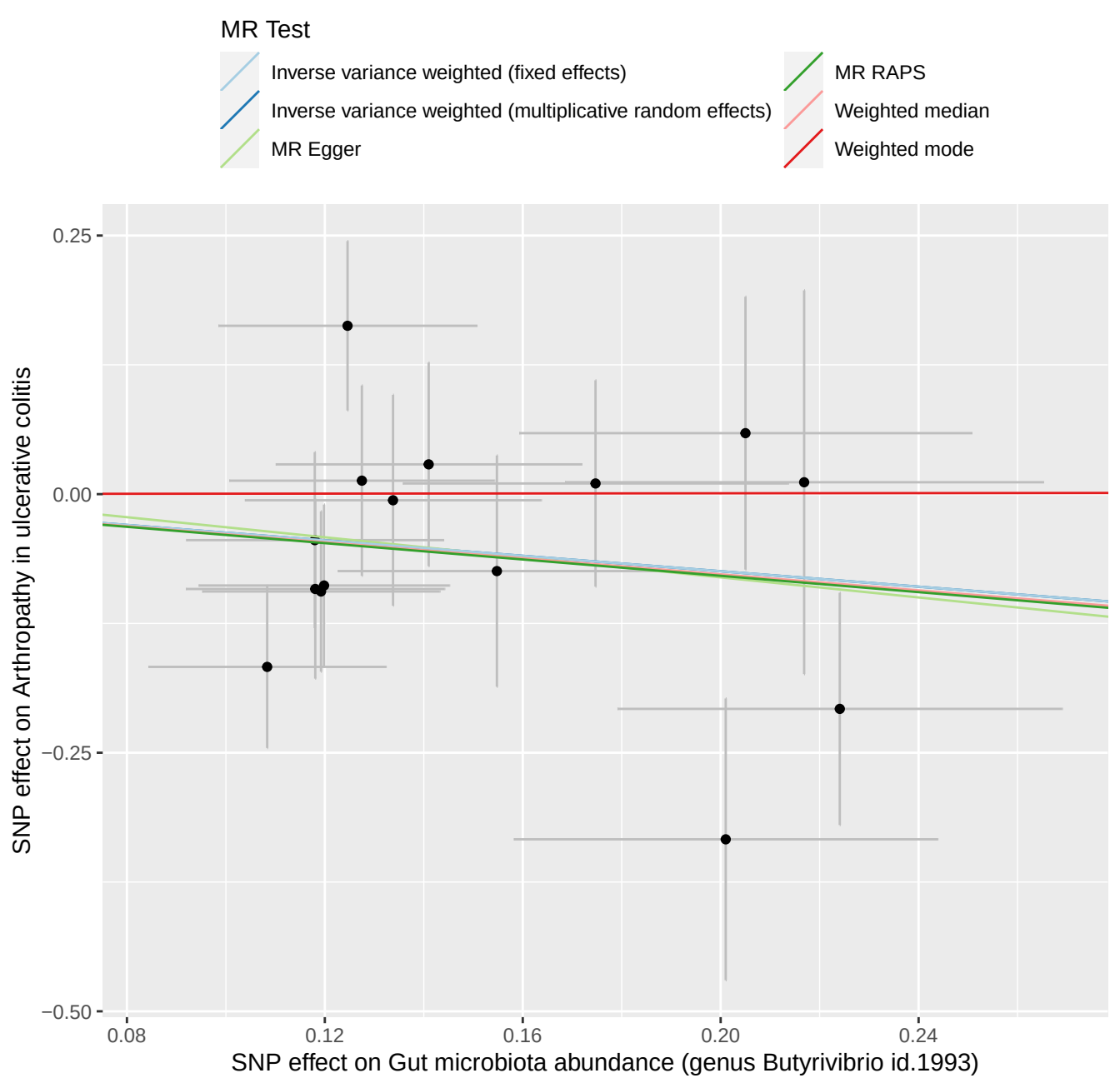

Batch 795 : Gut microbiota abundance (genus Bilophila id.3170) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

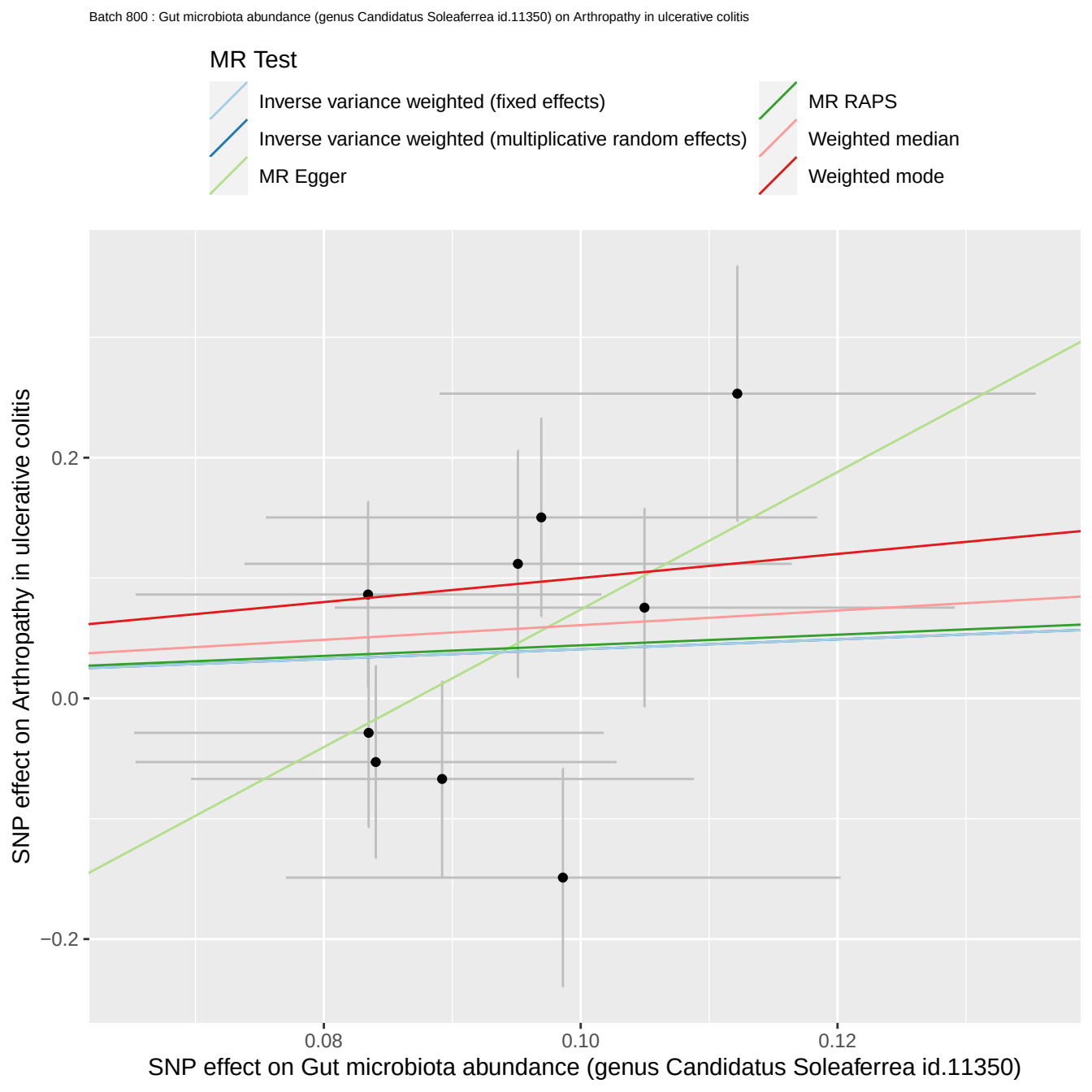
Batch 796 : Gut microbiota abundance (genus Blautia id.1992) on Arthropathy in ulcerative colitis




Batch 797 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)

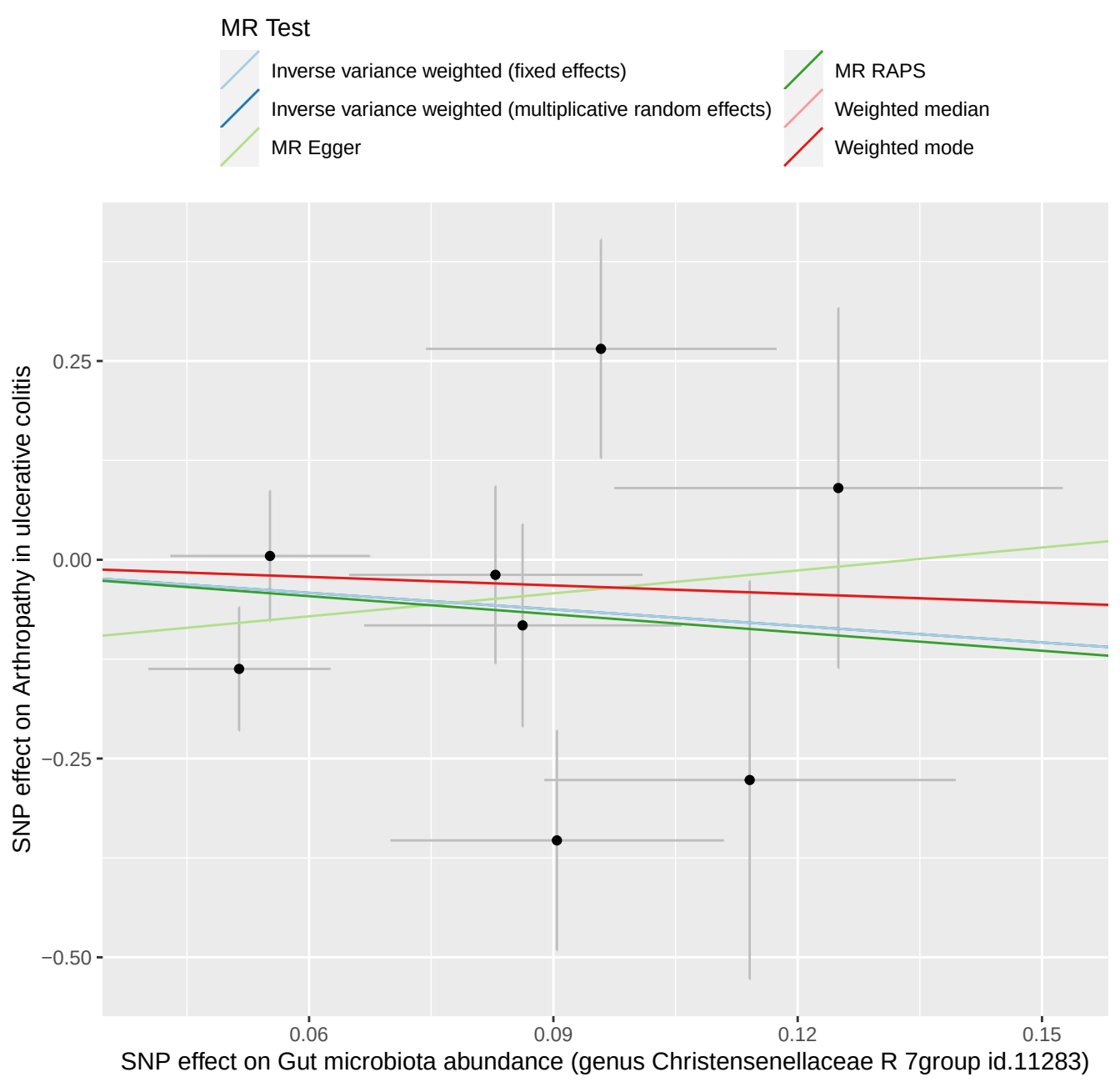

Batch 798 : Gut microbiota abundance (genus Butyricimonas id.945) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

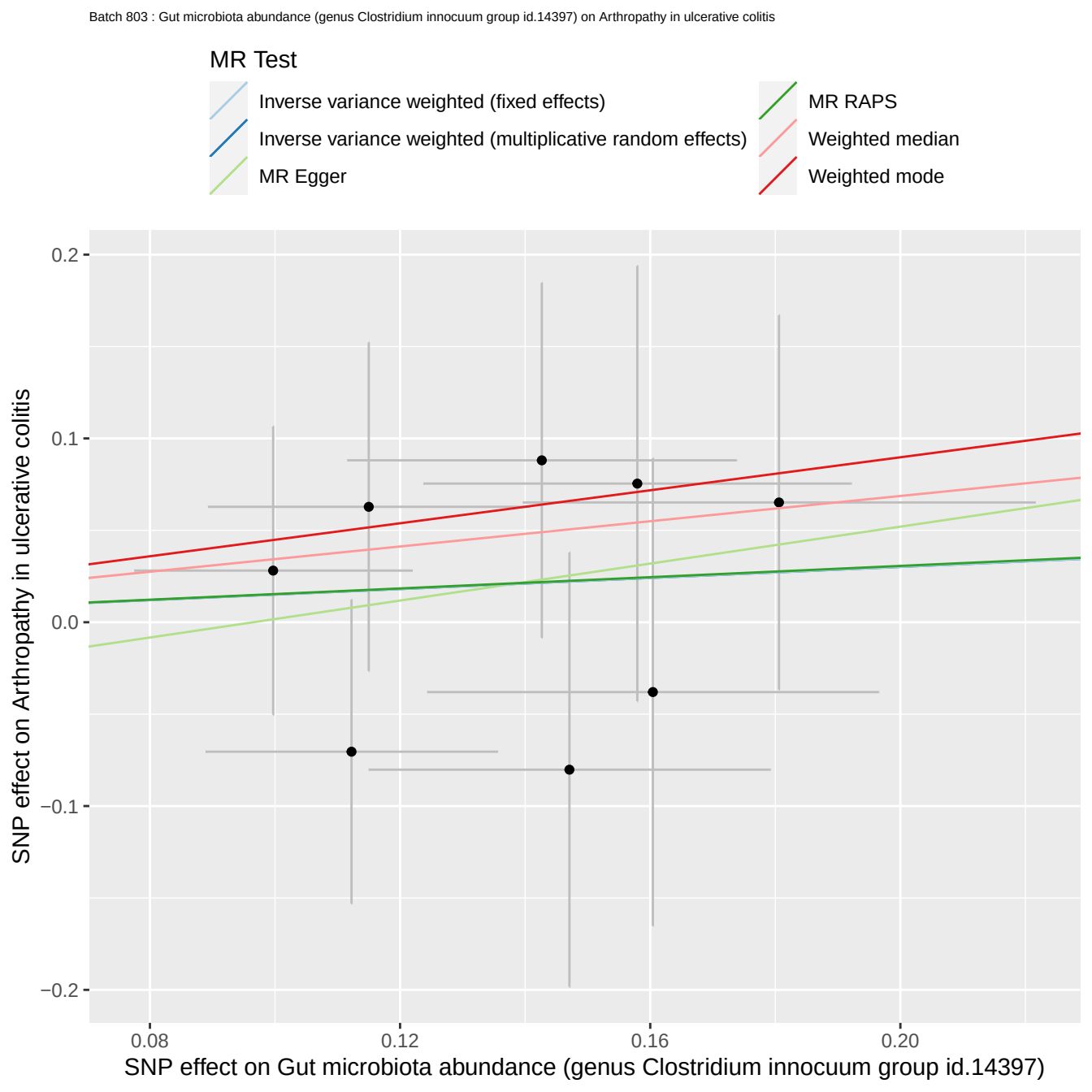

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.25
0.00
−0.25
−0.50
SNP effect on Arthropathy in ulcerative colitis
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

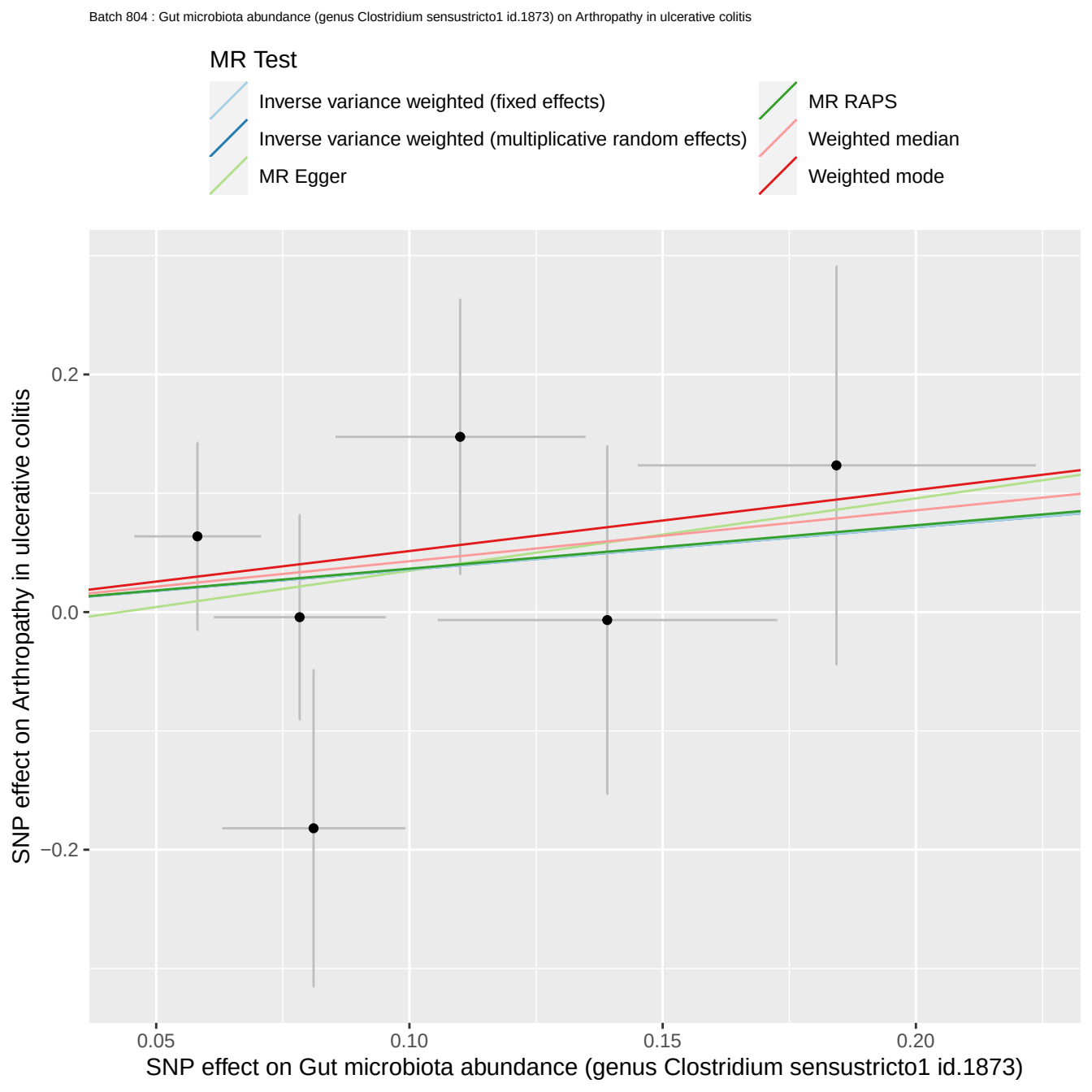

Batch 800 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

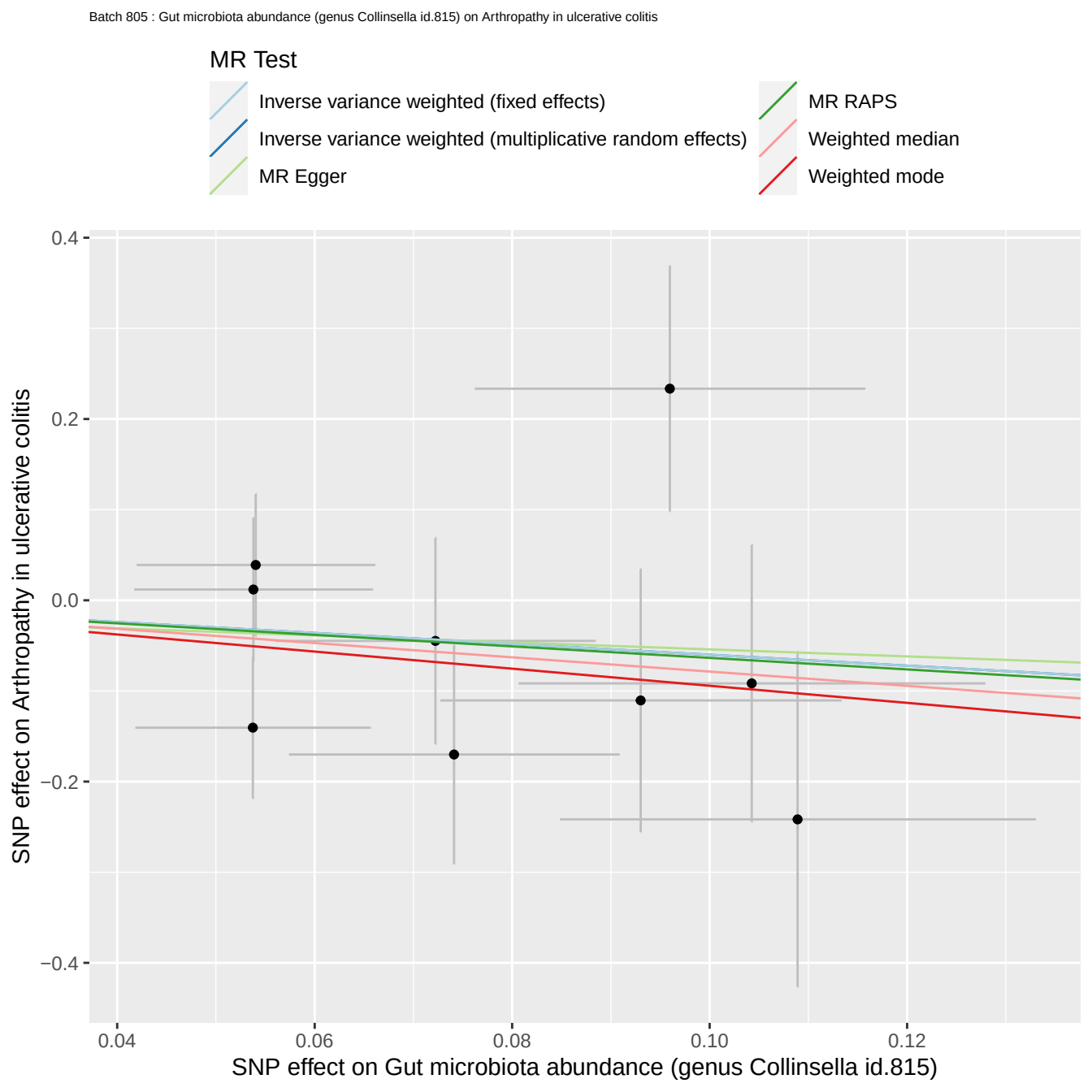
Batch 801 : Gut microbiota abundance (genus Catenibacterium id.2153) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
0.100
0.125
0.150
0.17
SNP effect on Gut microbiota abundance (genus Catenibacterium id.2153)

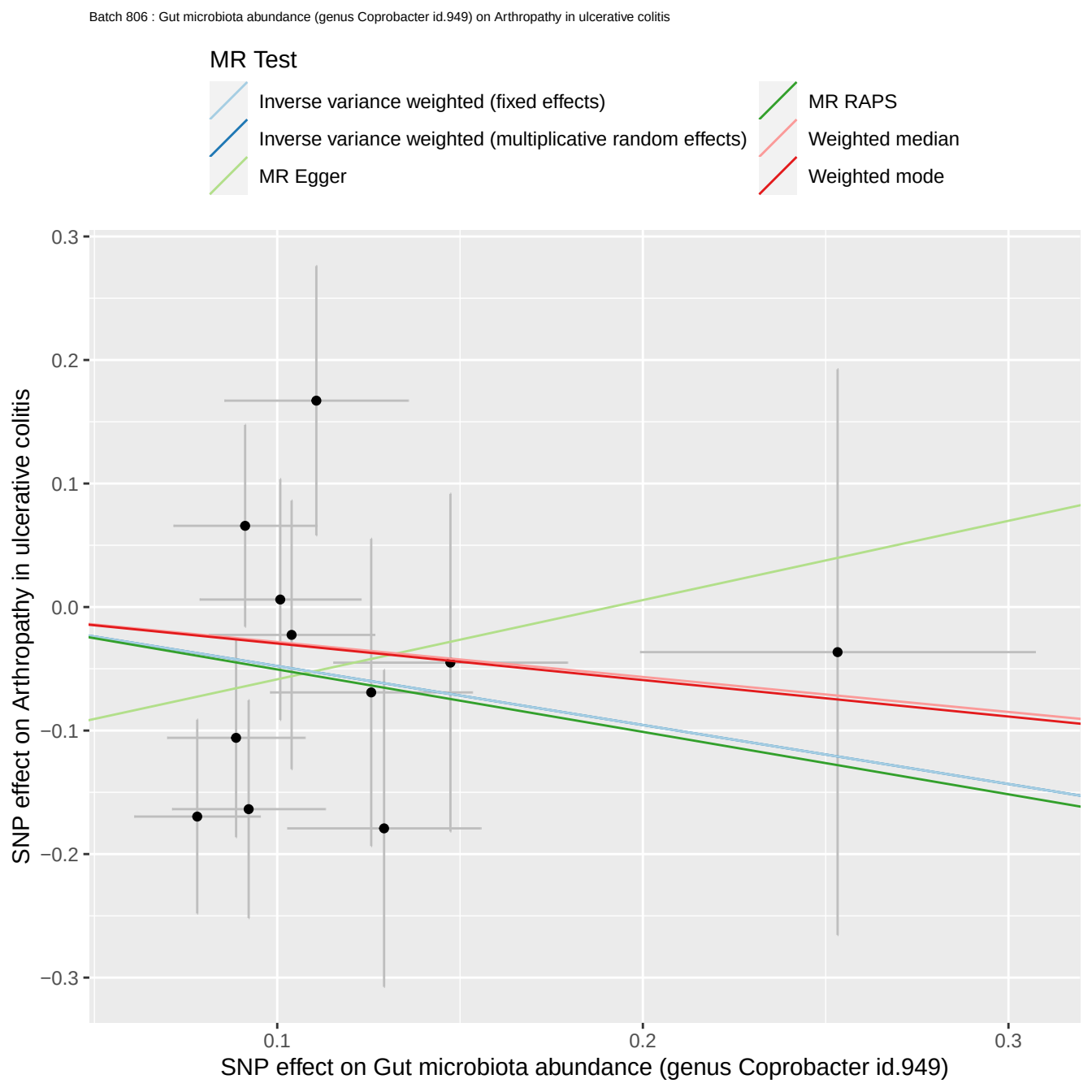
Batch 802 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Arthropathy in ulcerative colitis

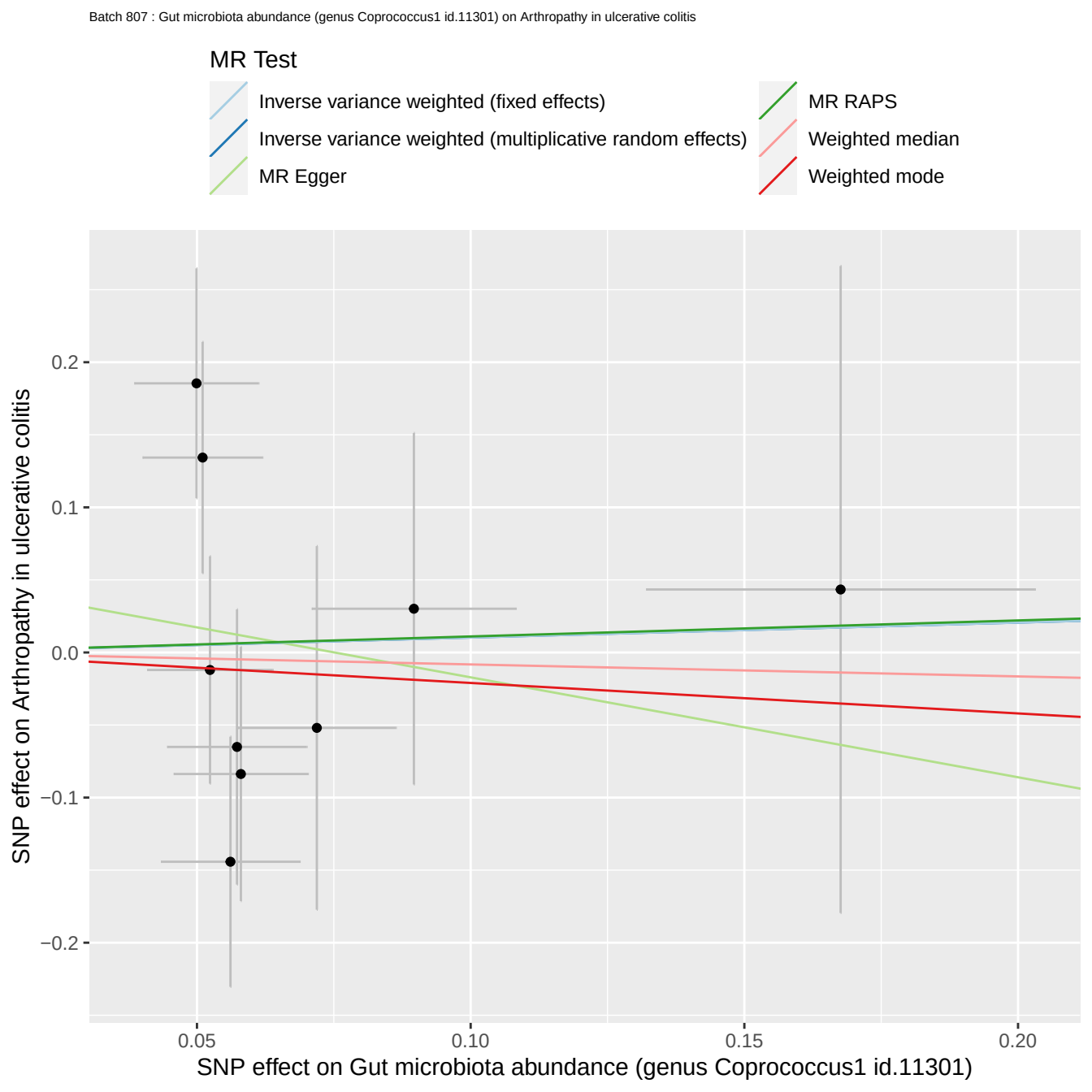


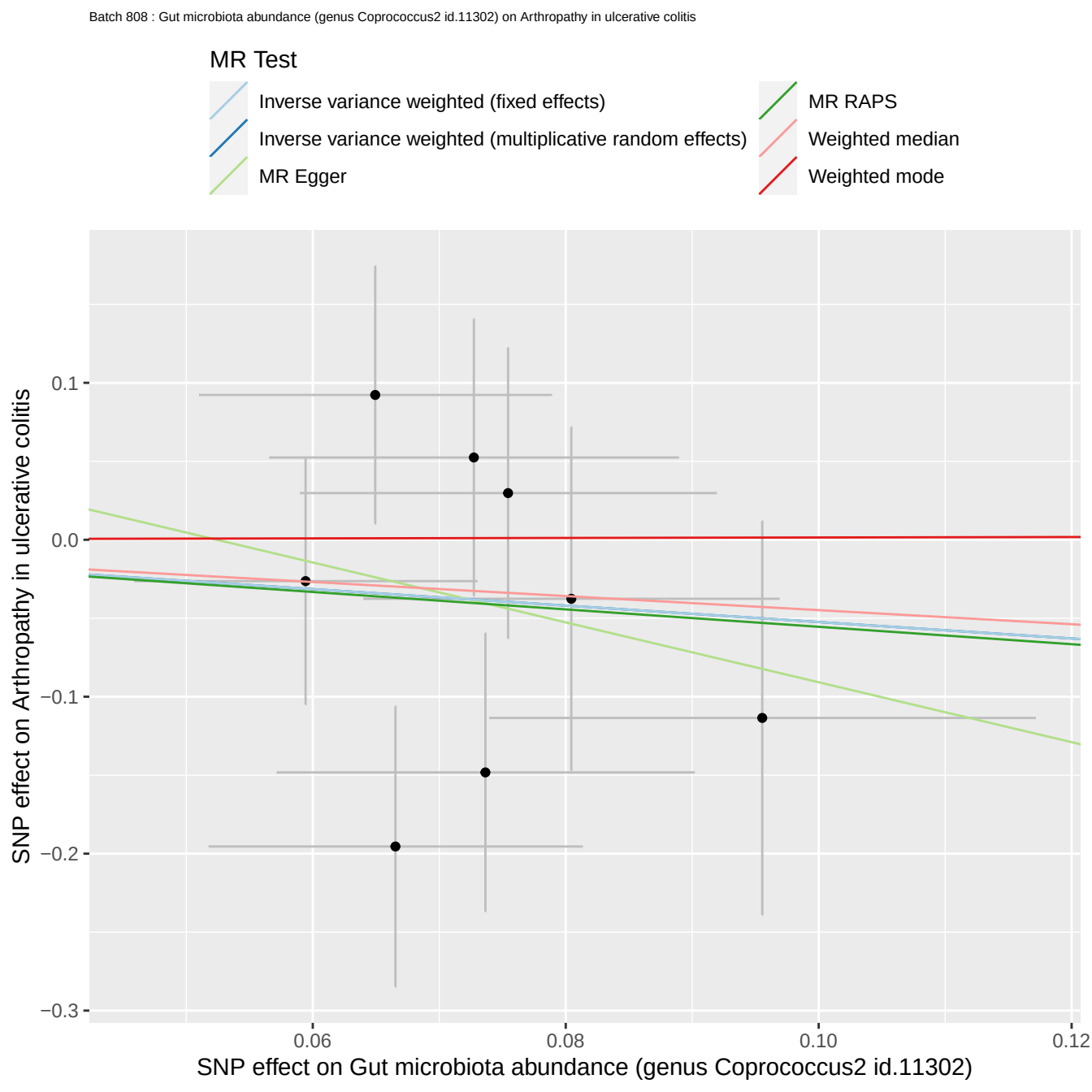

Batch 803 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

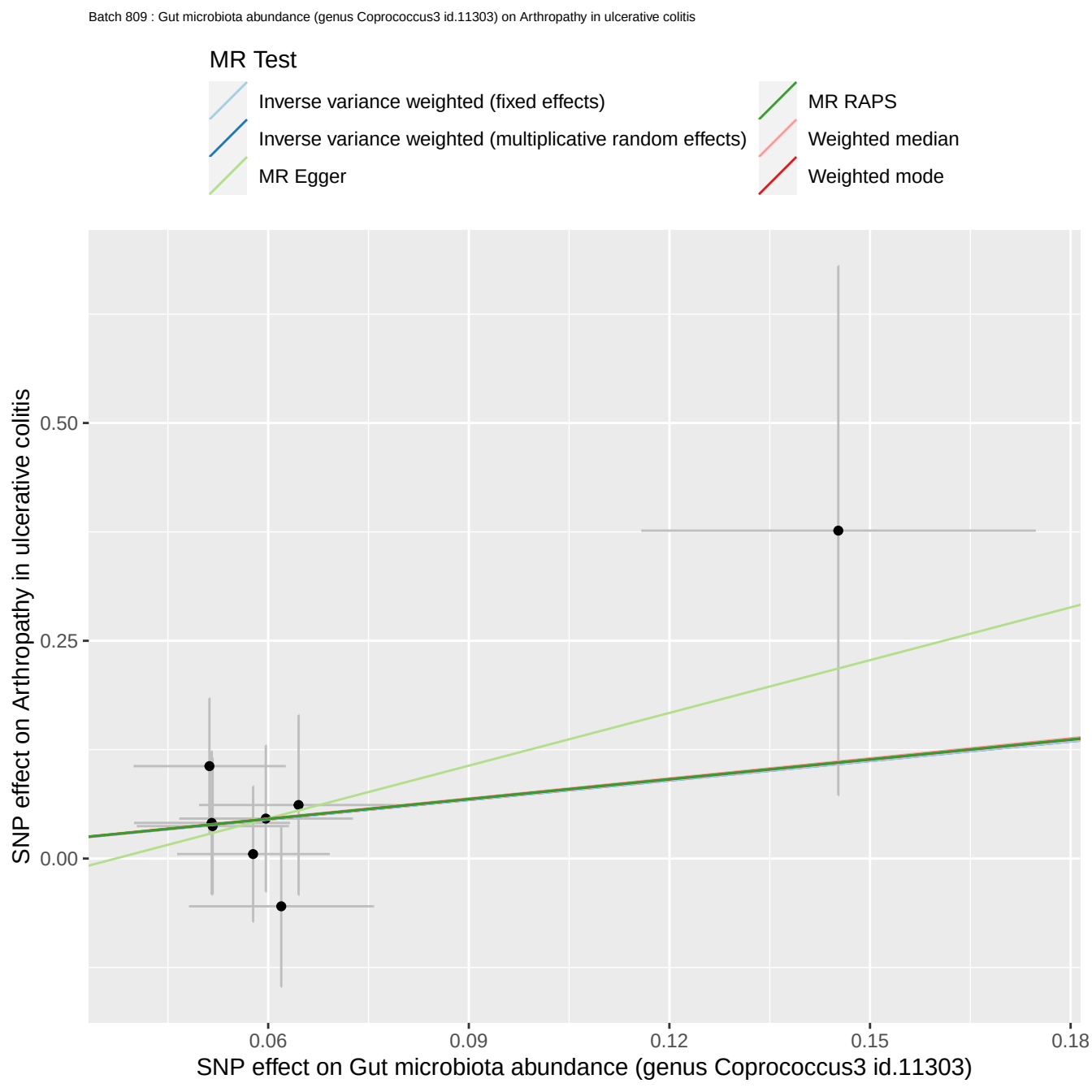

Batch 804 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

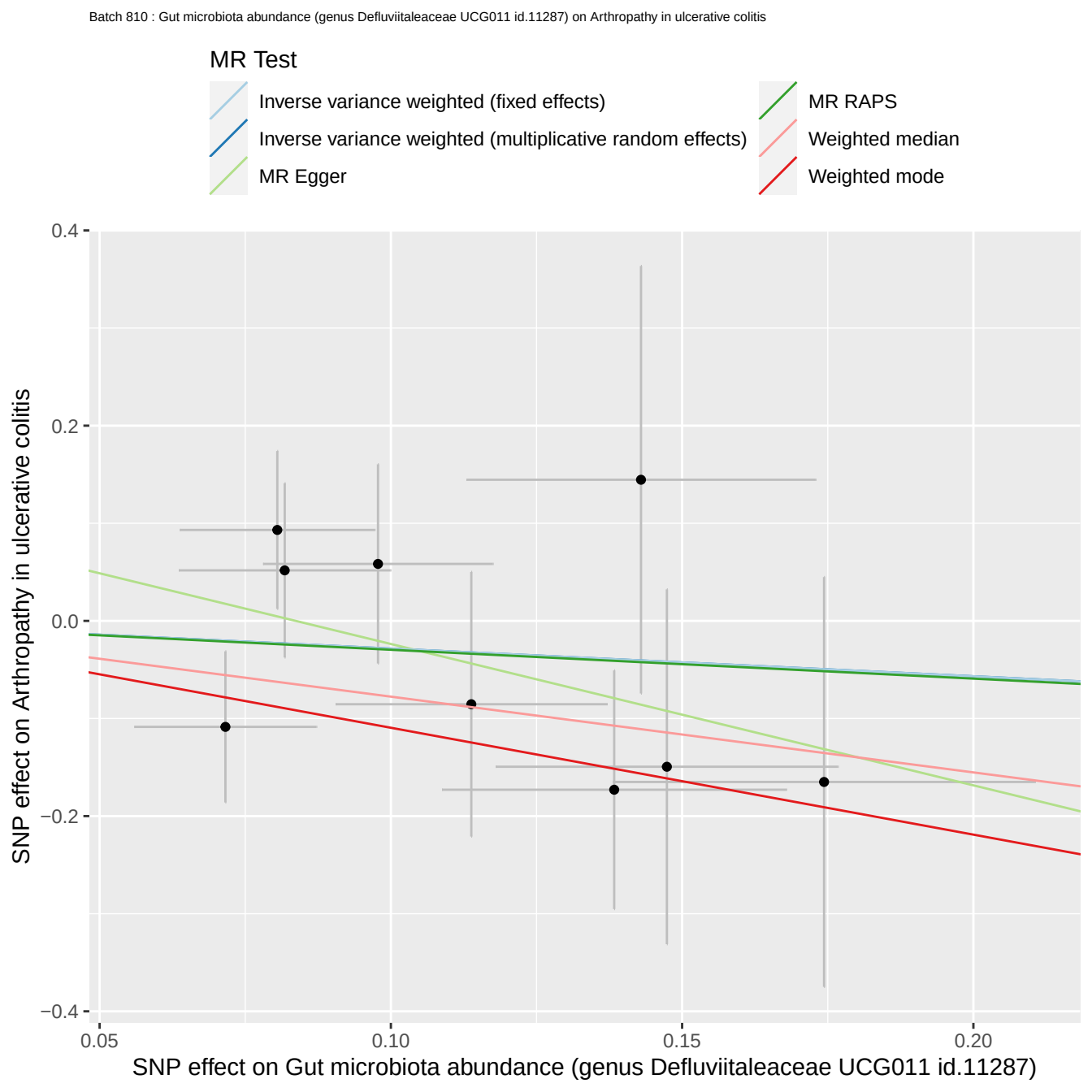

Batch 805 : Gut microbiota abundance (genus Collinsella id.815) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)


Batch 806 : Gut microbiota abundance (genus Coprobacter id.949) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

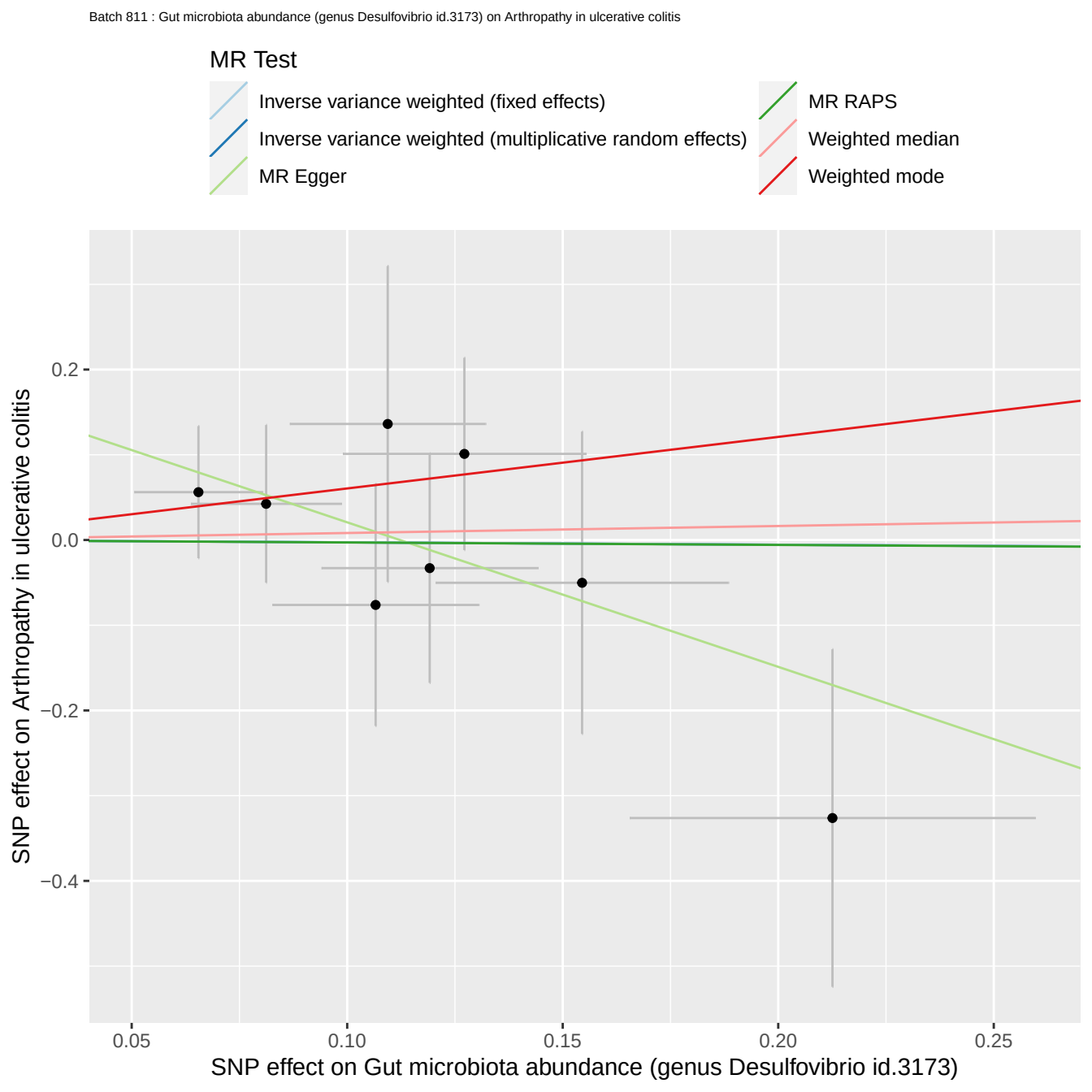

Batch 807 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)


Batch 808 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

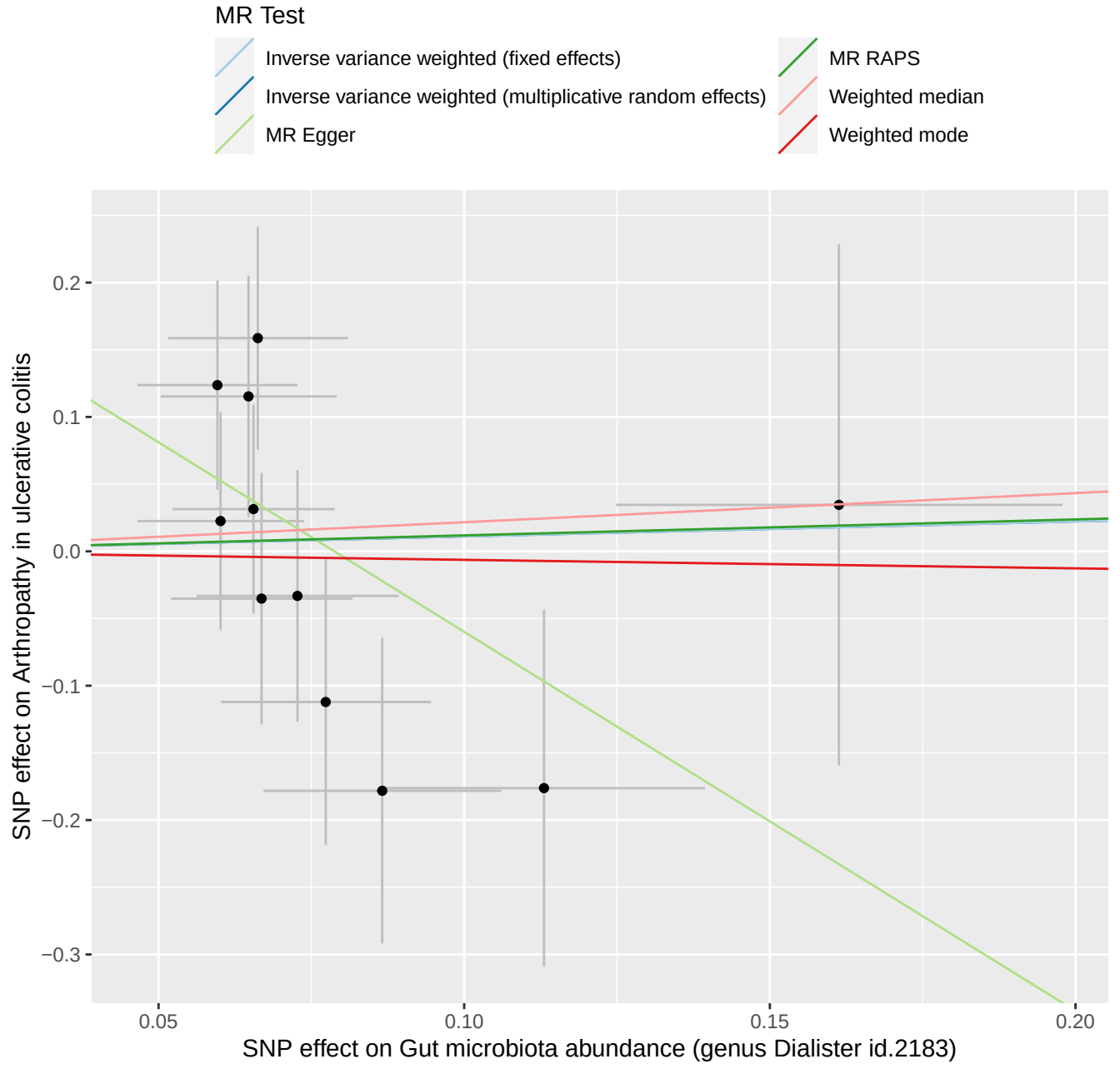

Batch 809 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.50
0.25
0.00
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)


Batch 810 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

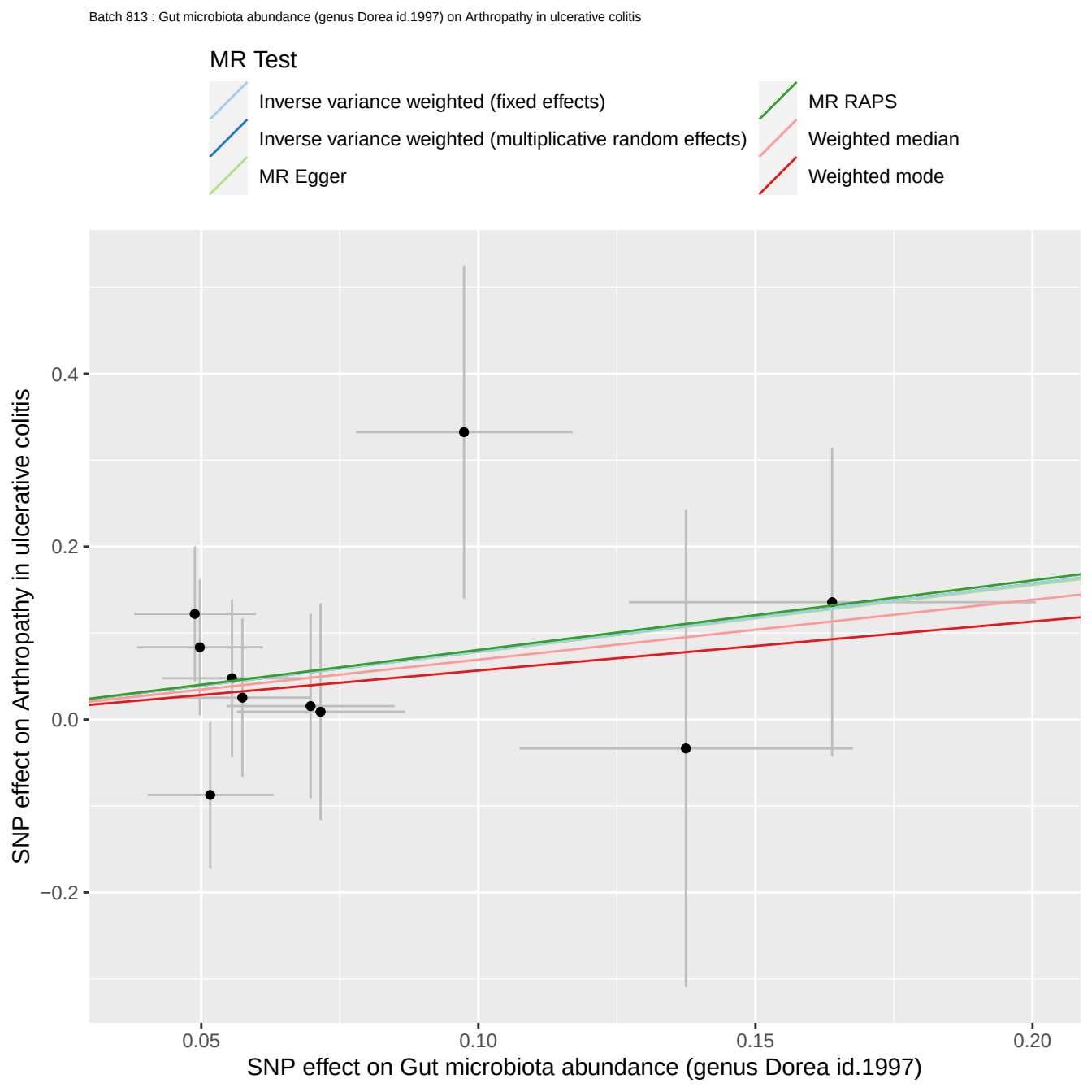
Batch 811 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Arthropathy in ulcerative colitis

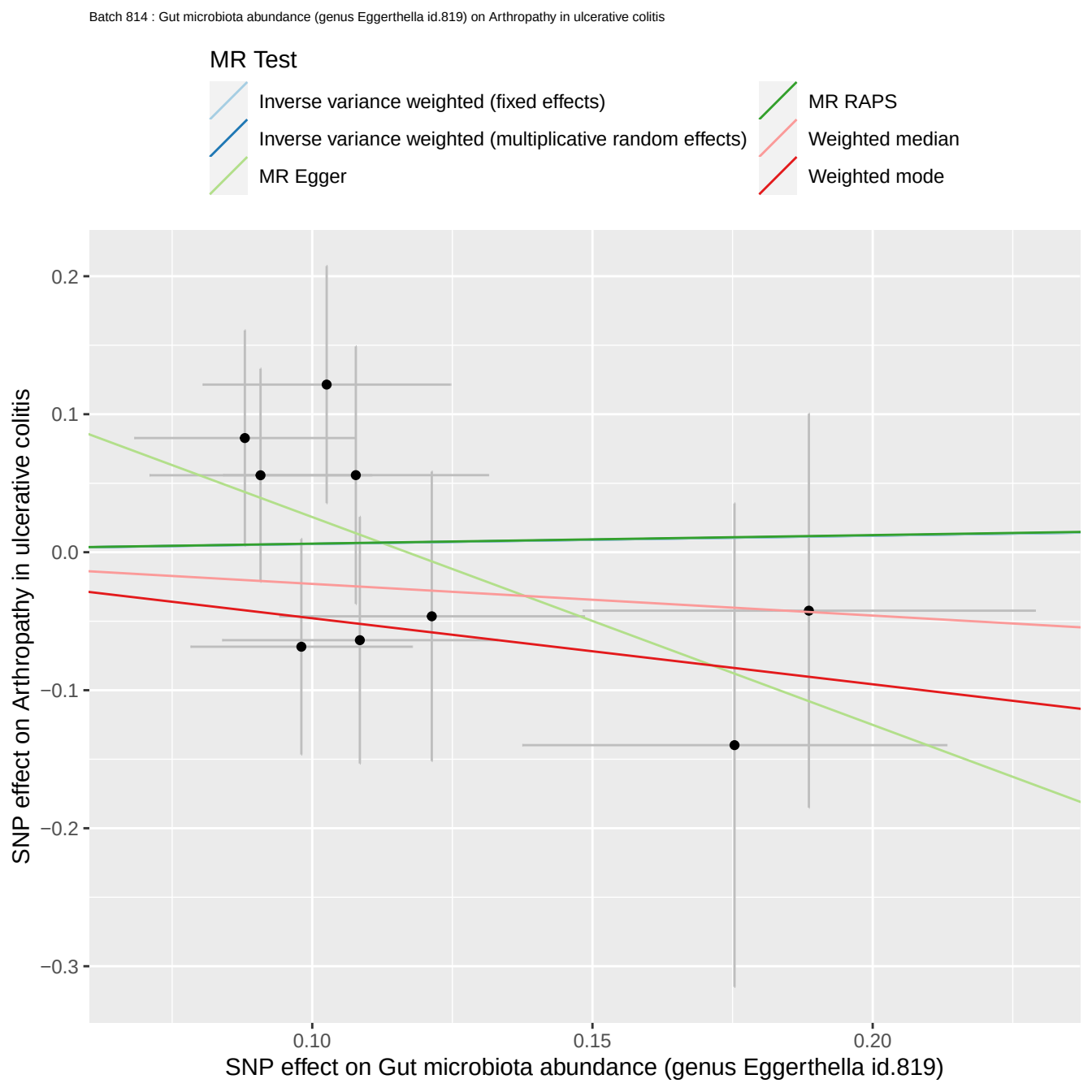


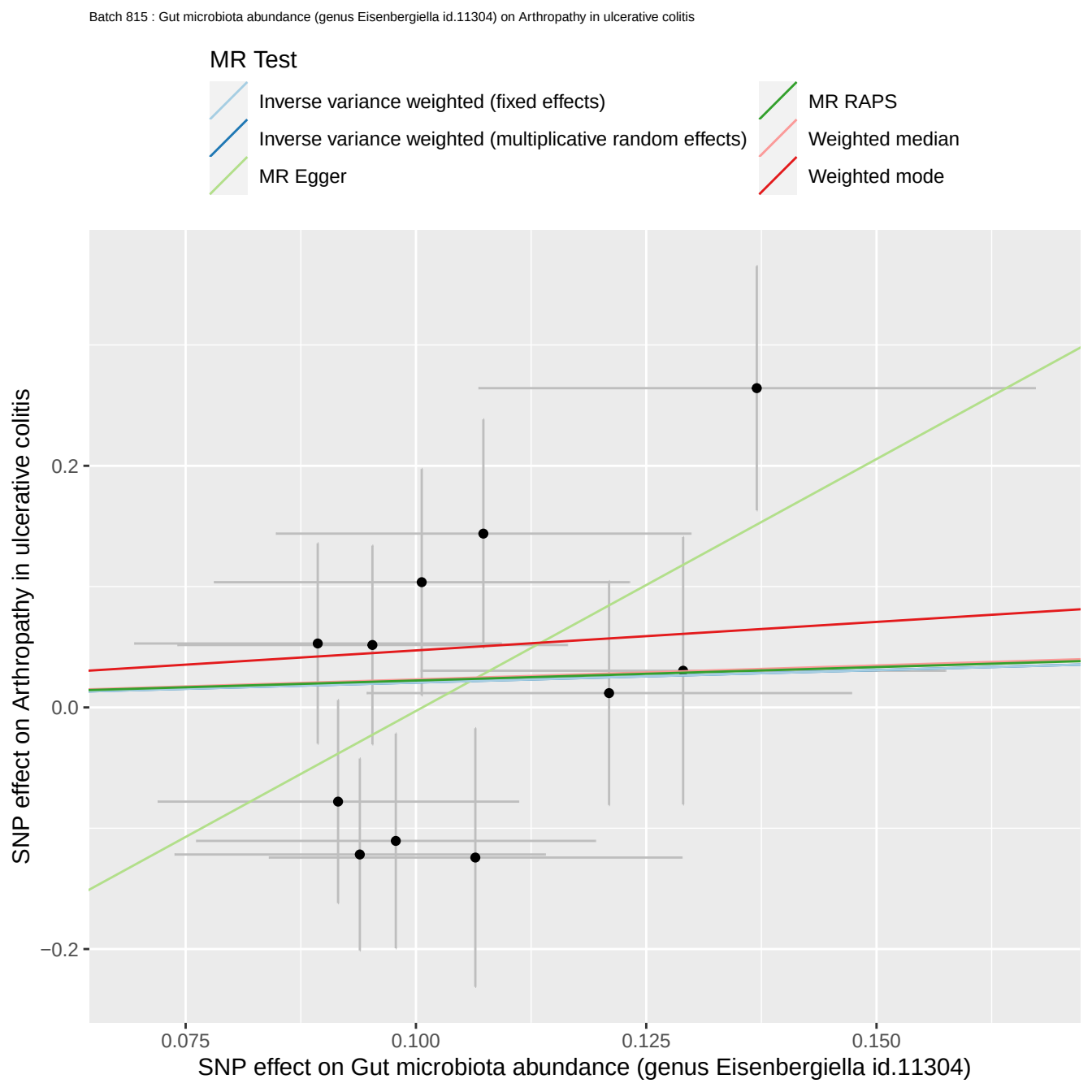
Batch 812 : Gut microbiota abundance (genus Dialister id.2183) on Arthropathy in ulcerative colitis

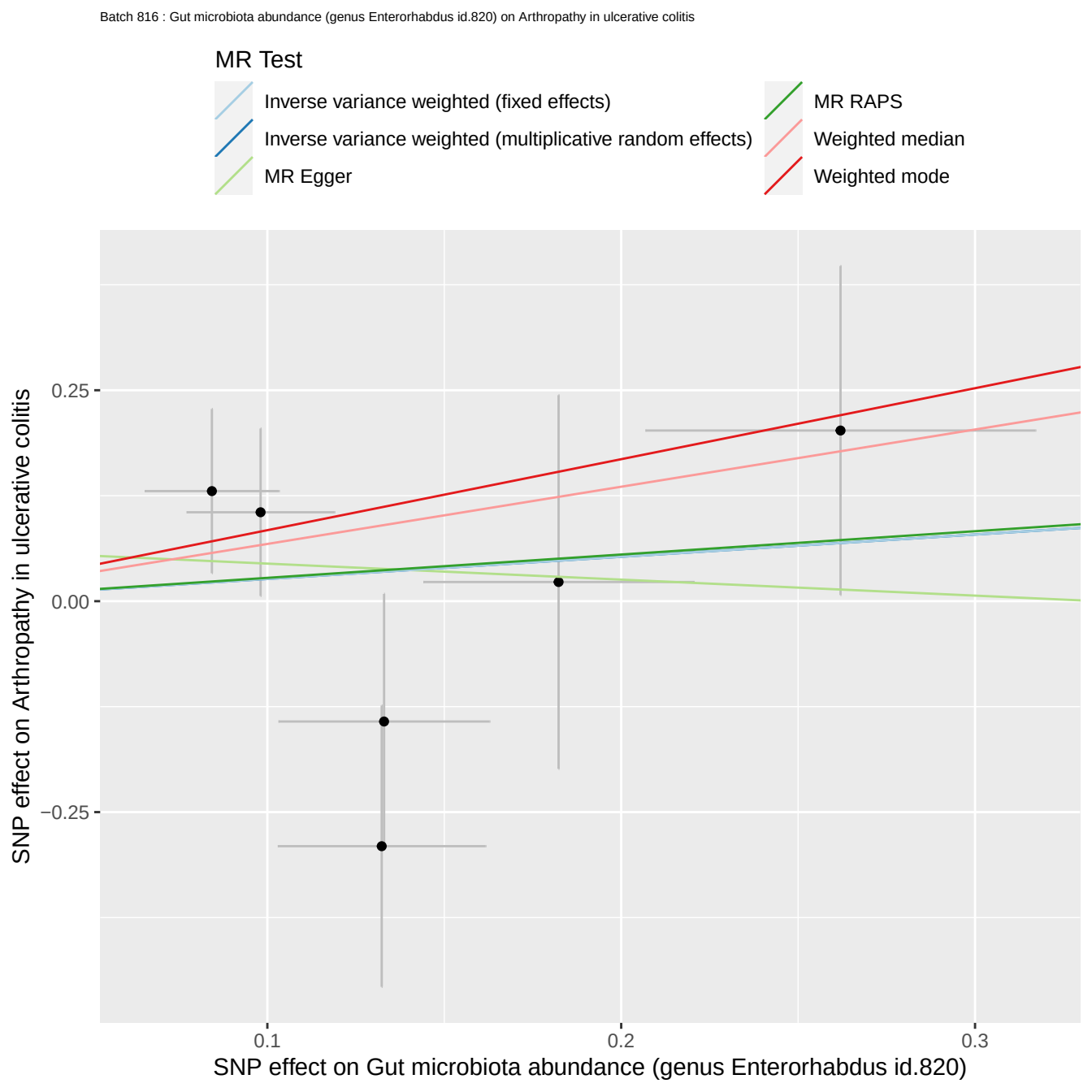


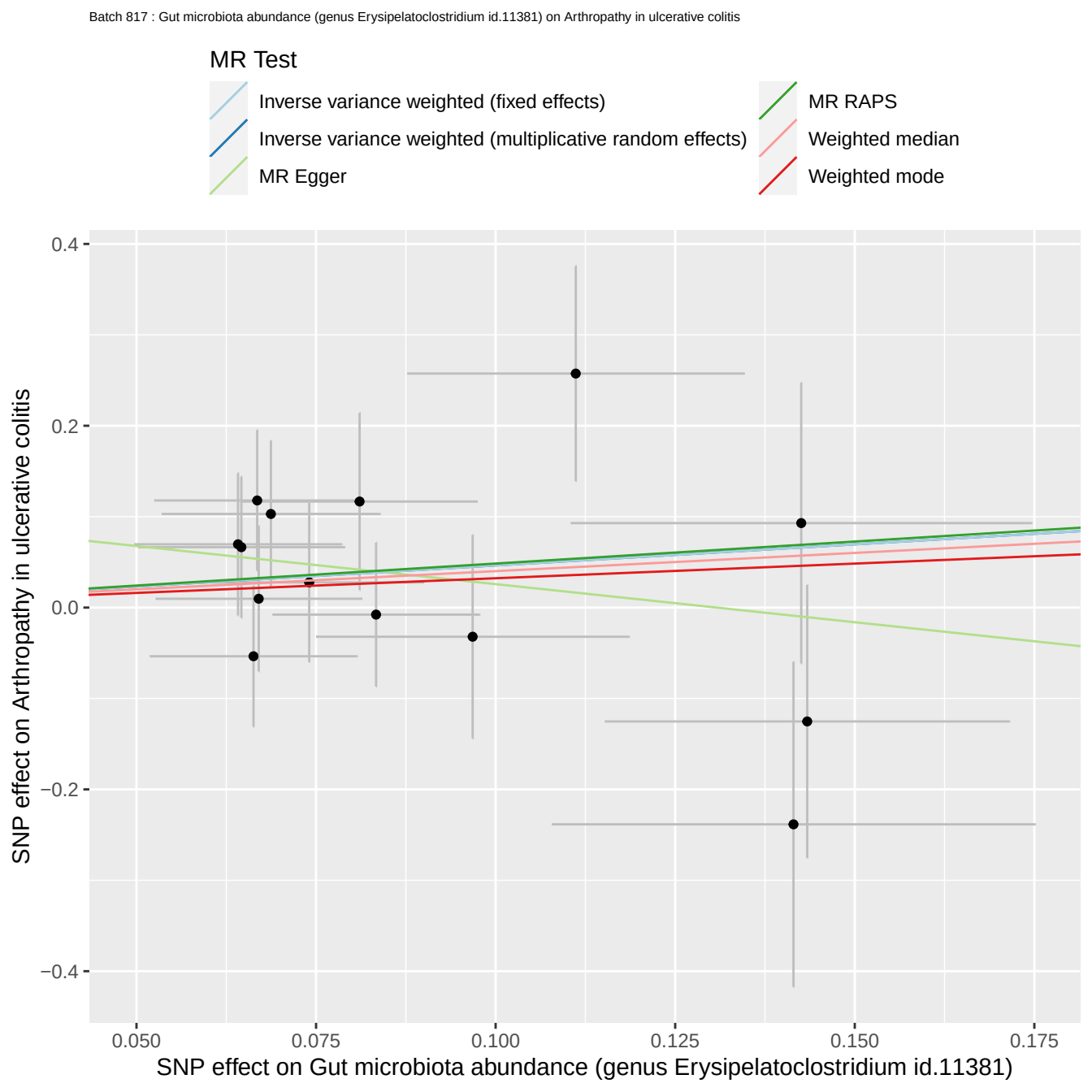
Batch 813 : Gut microbiota abundance (genus Dorea id.1997) on Arthropathy in ulcerative colitis




Batch 814 : Gut microbiota abundance (genus Eggerthella id.819) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

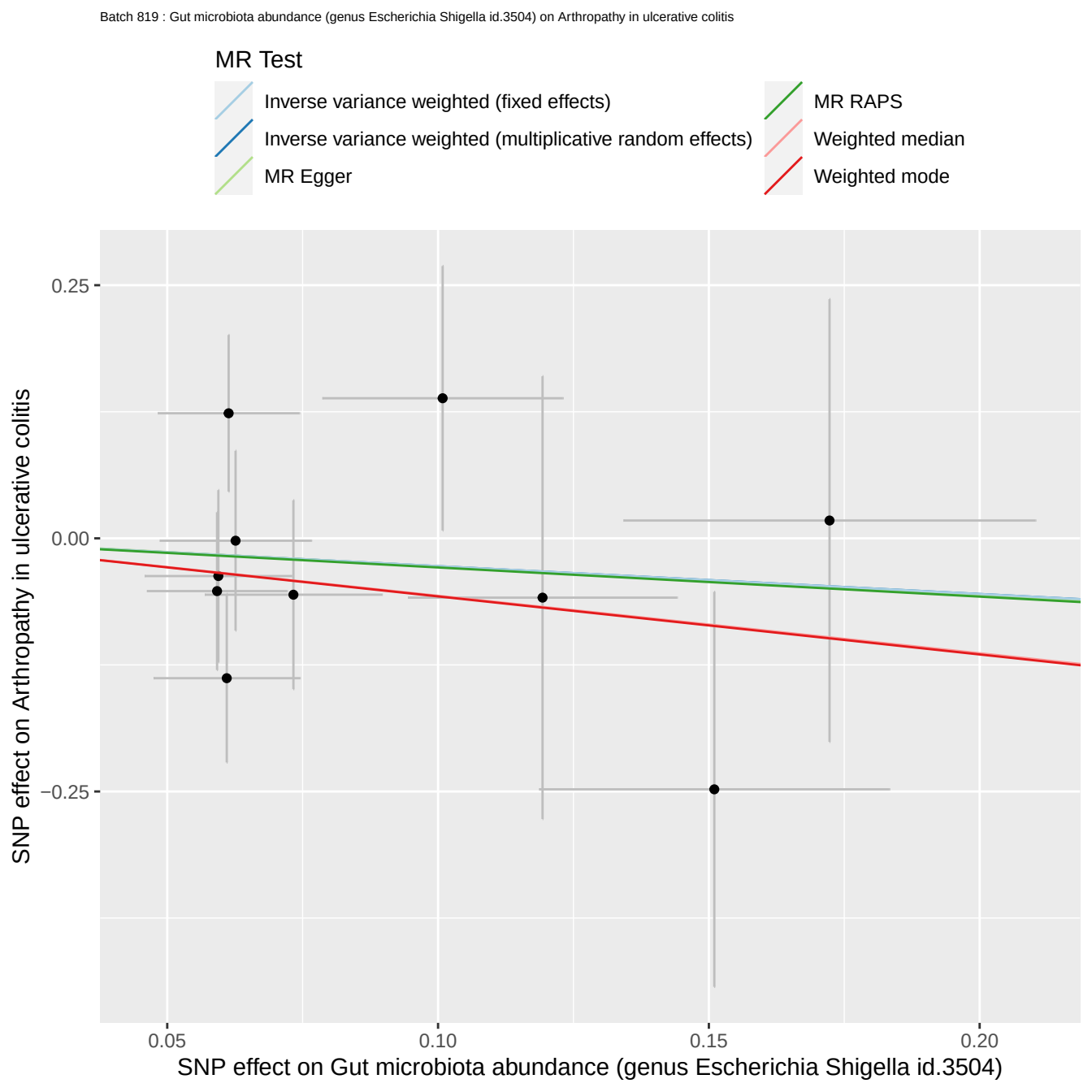

Batch 815 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

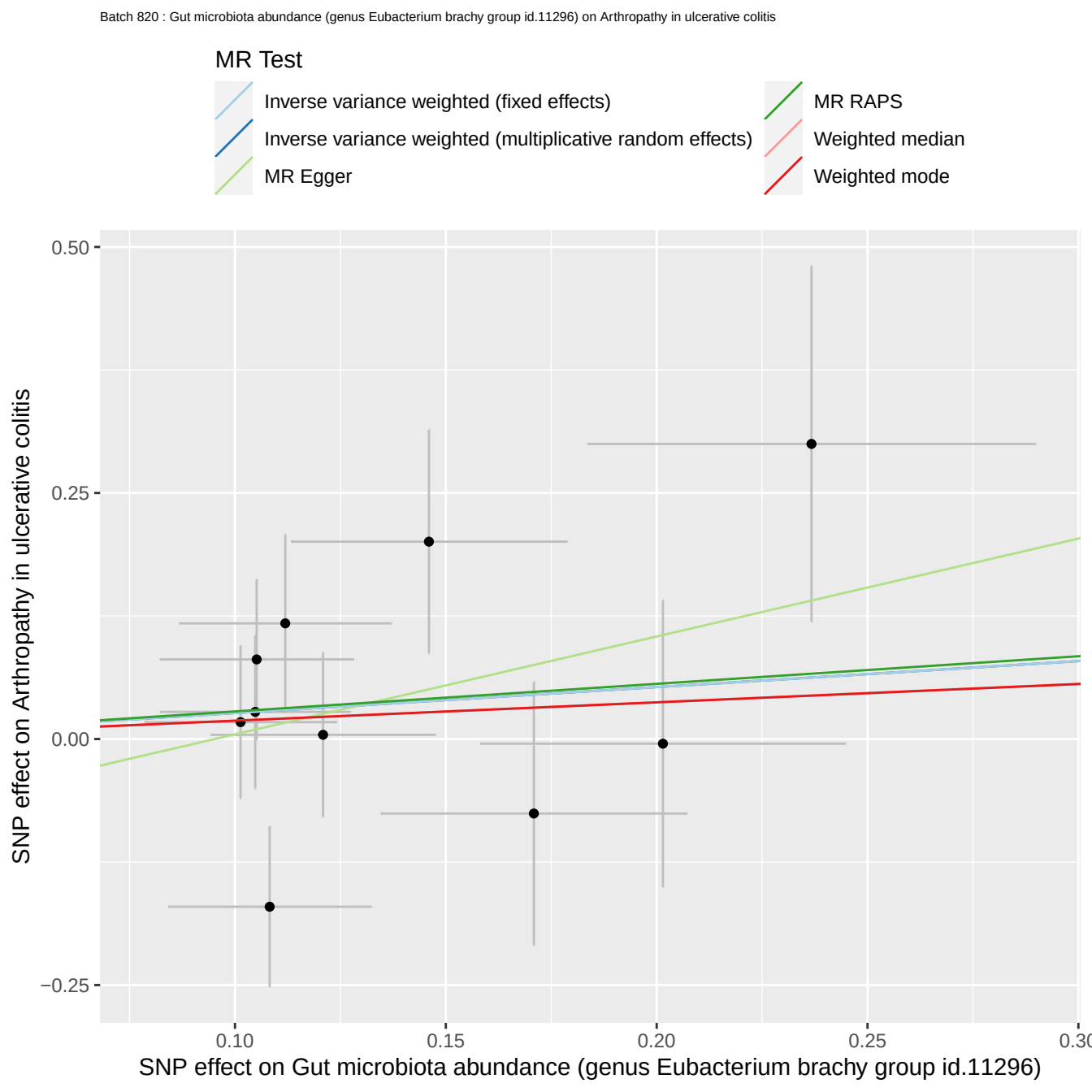

Batch 816 : Gut microbiota abundance (genus Enterorhabdus id.820) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.25
0.00
−0.25
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)


Batch 817 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

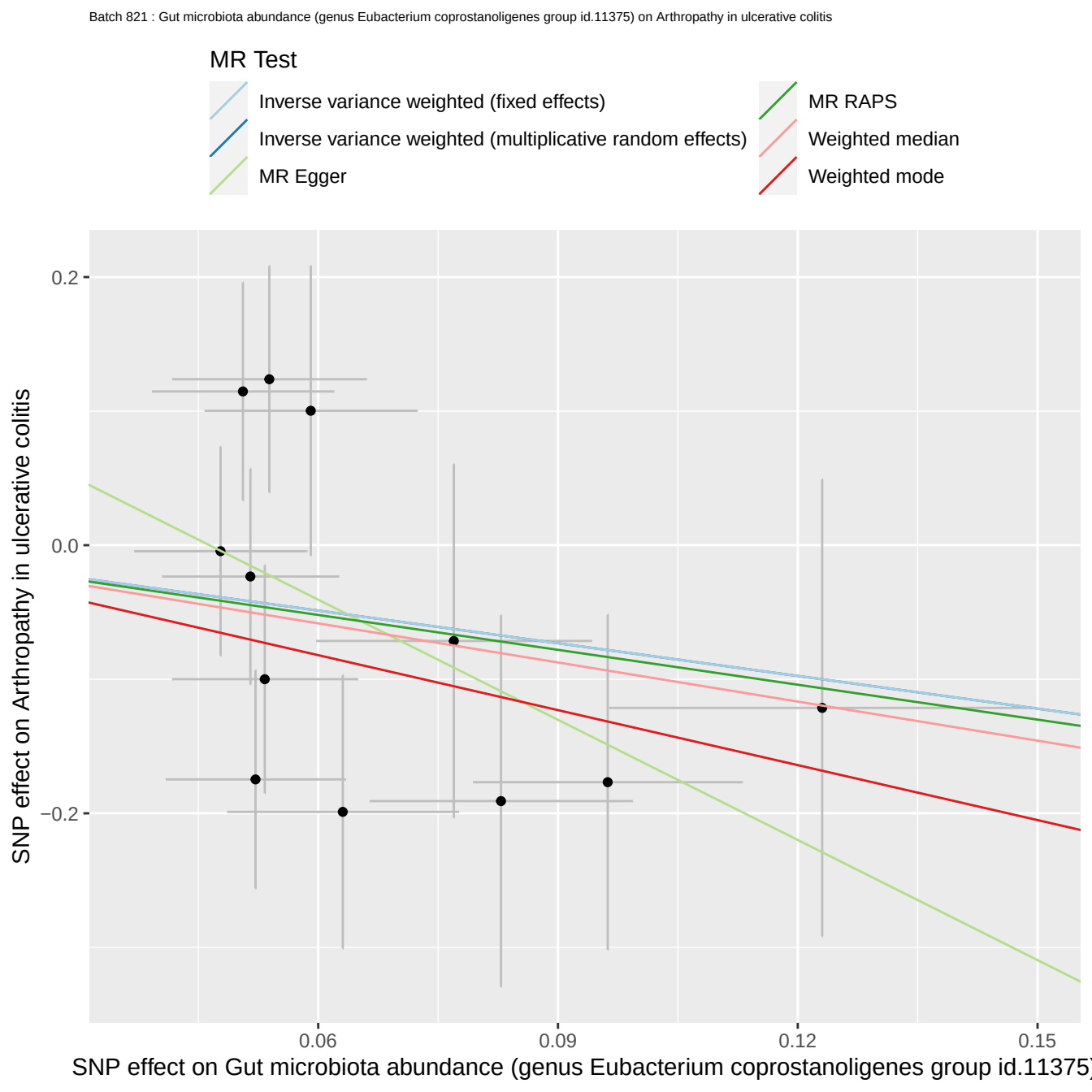
Insufficient number of SNPs

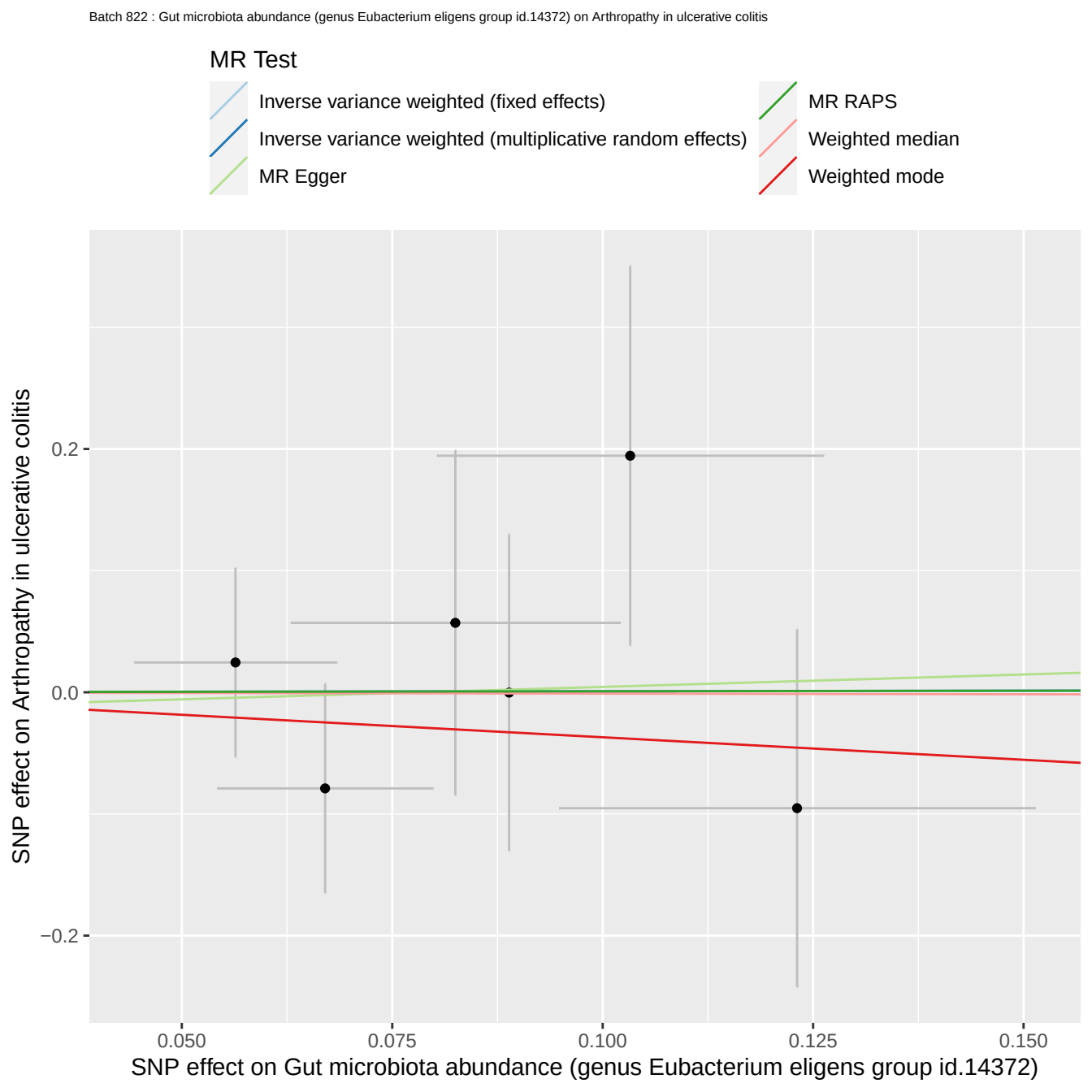
Batch 819 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Arthropathy in ulcerative colitis

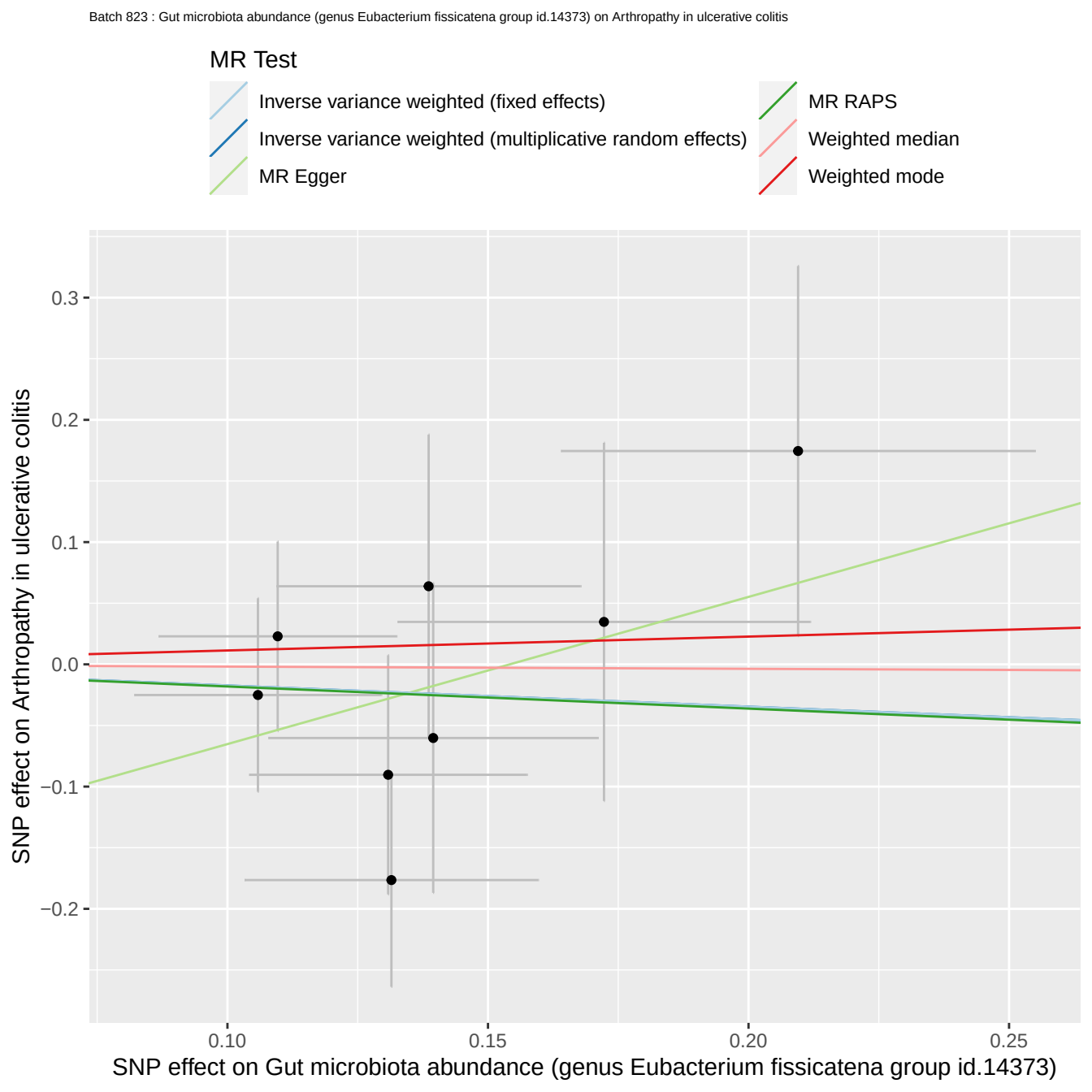



Batch 820 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
SNP effect on Arthropathy in ulcerative colitis
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

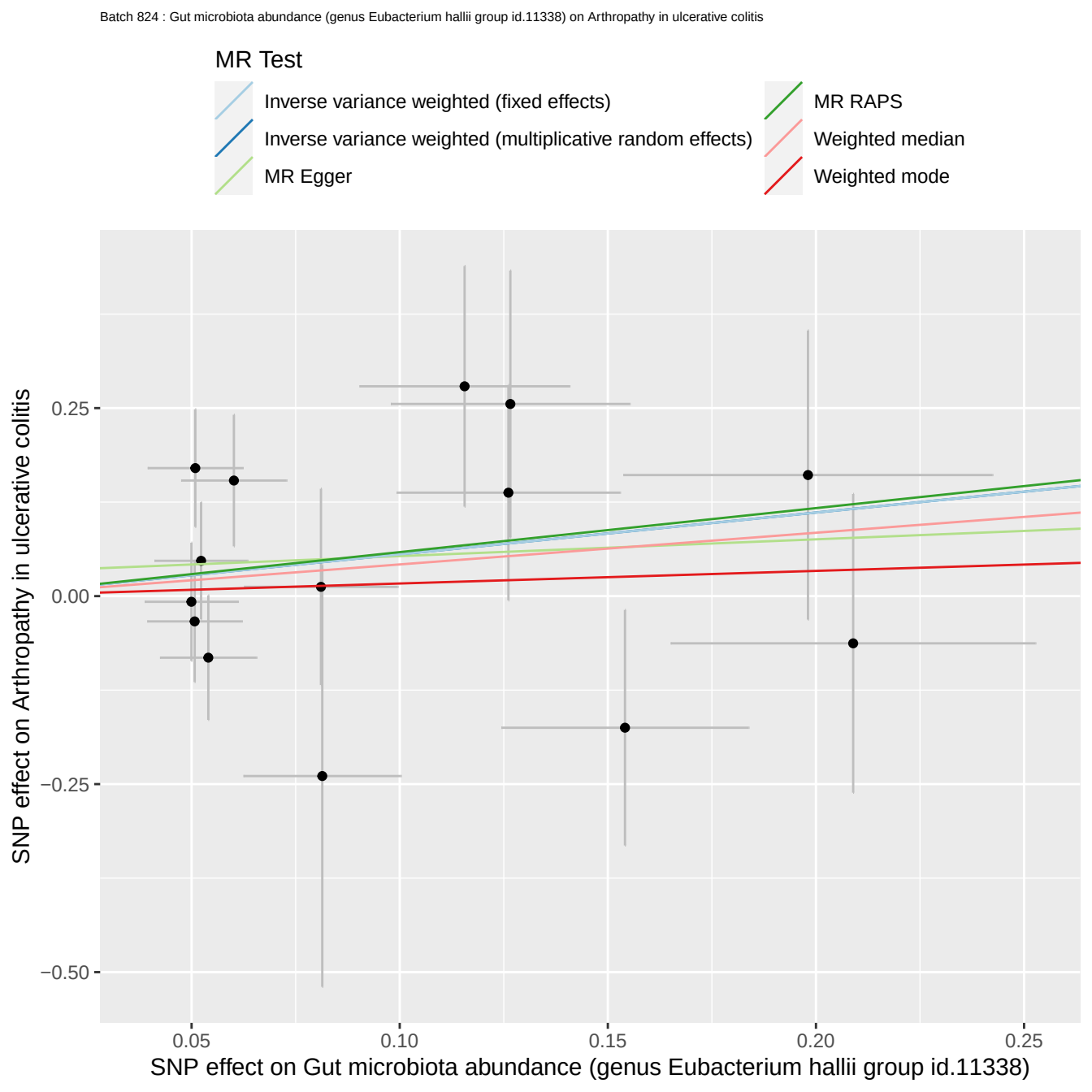
Batch 821 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Arthropathy in ulcerative colitis



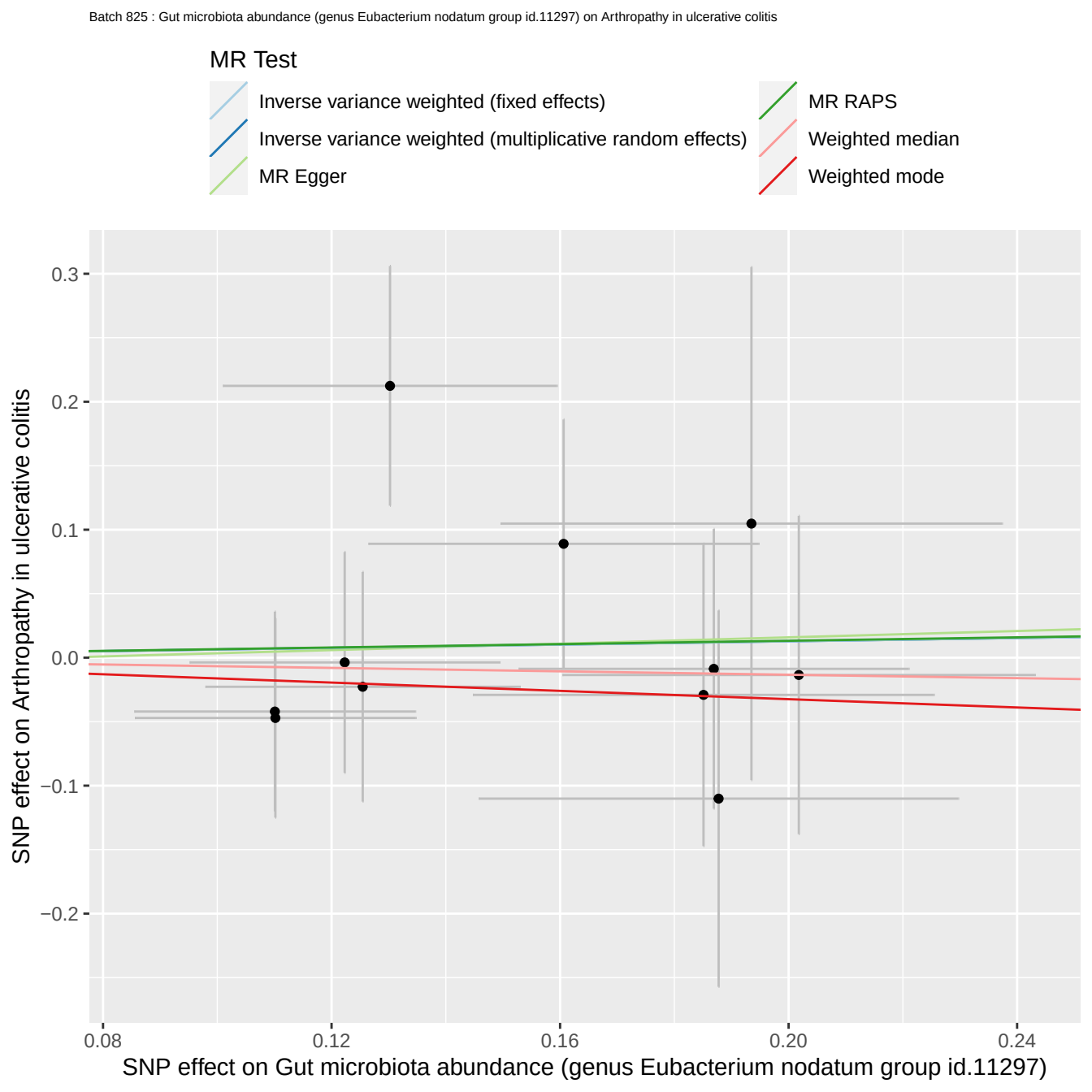

Batch 822 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)


Batch 823 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

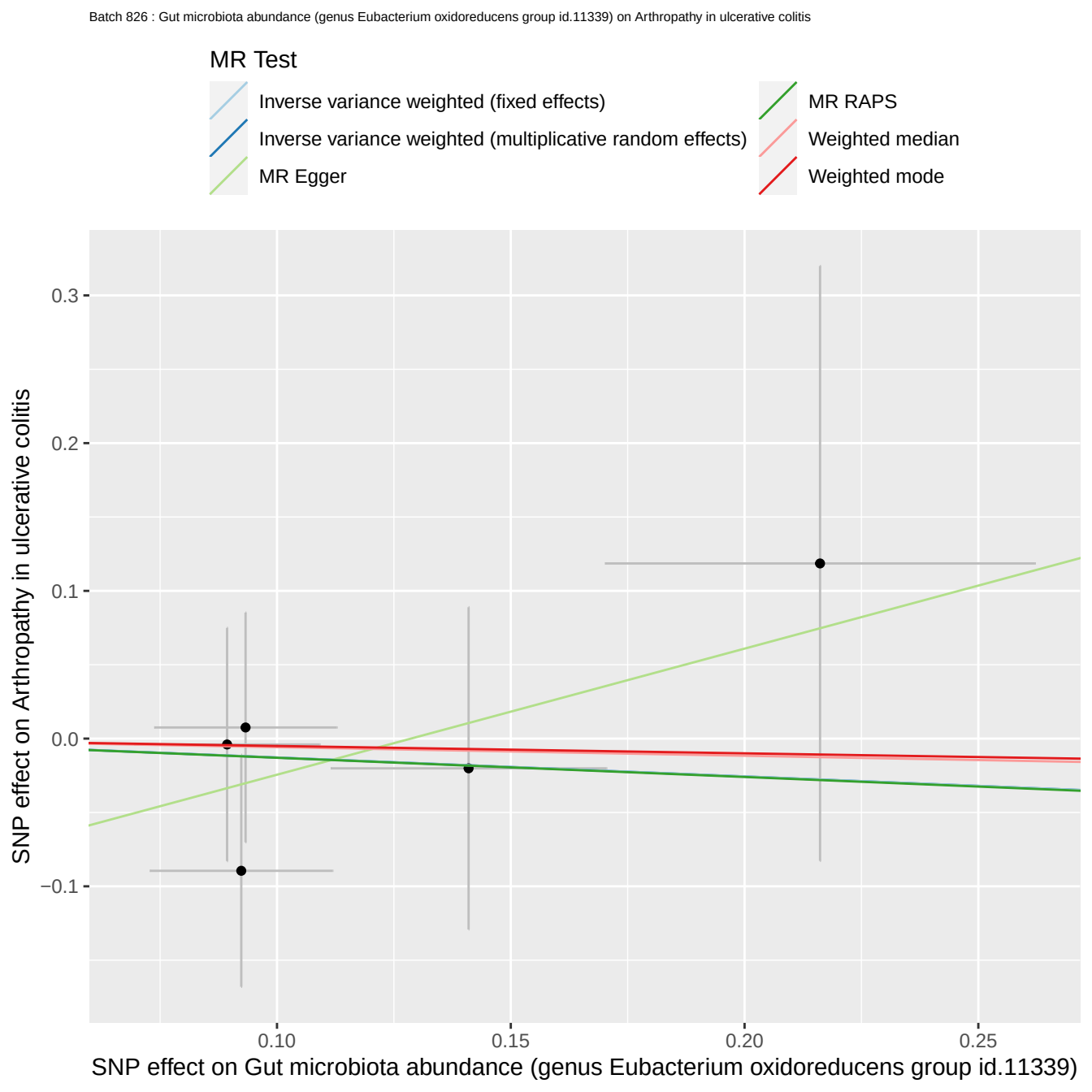
Batch 824 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Arthropathy in ulcerative colitis



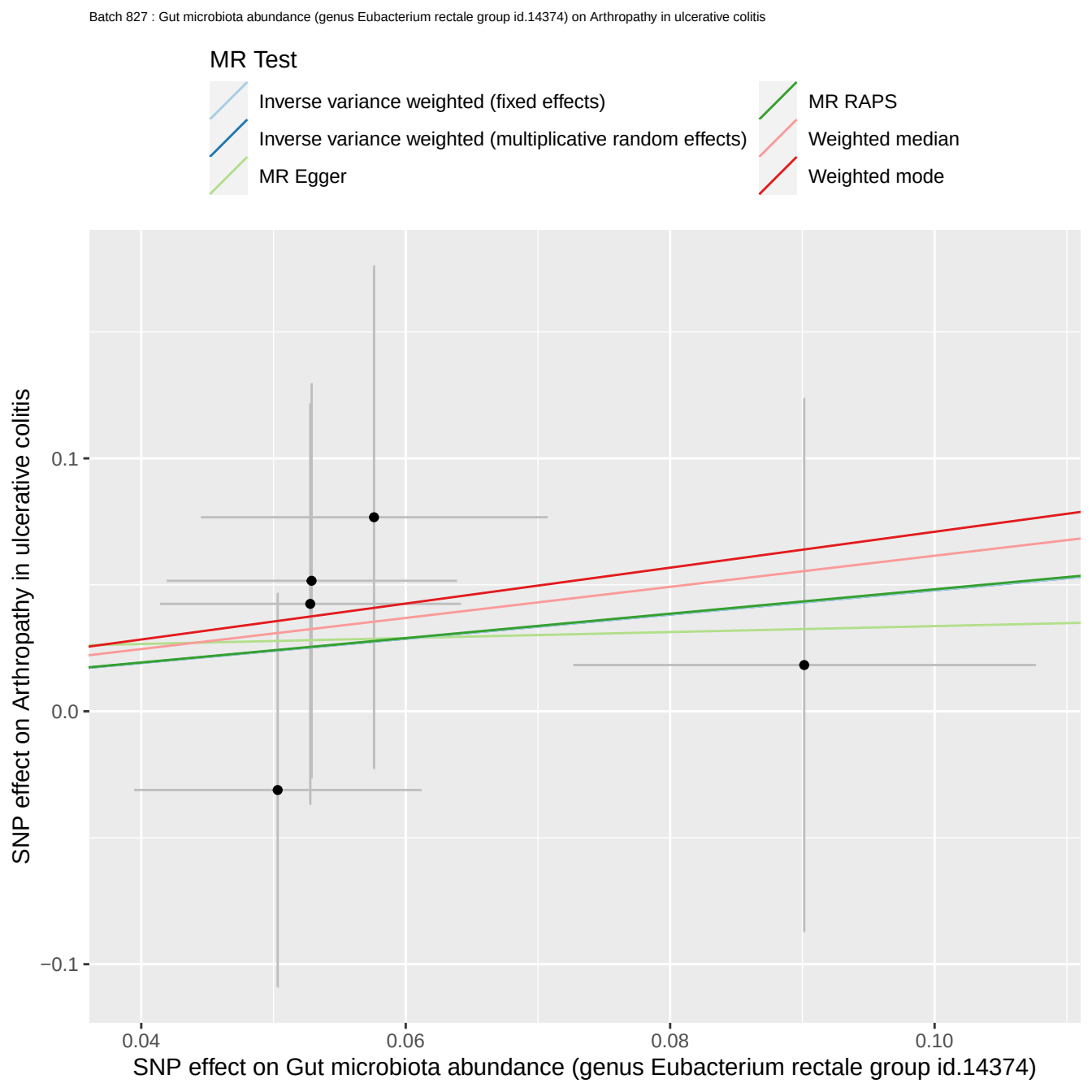
Batch 825 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Arthropathy in ulcerative colitis



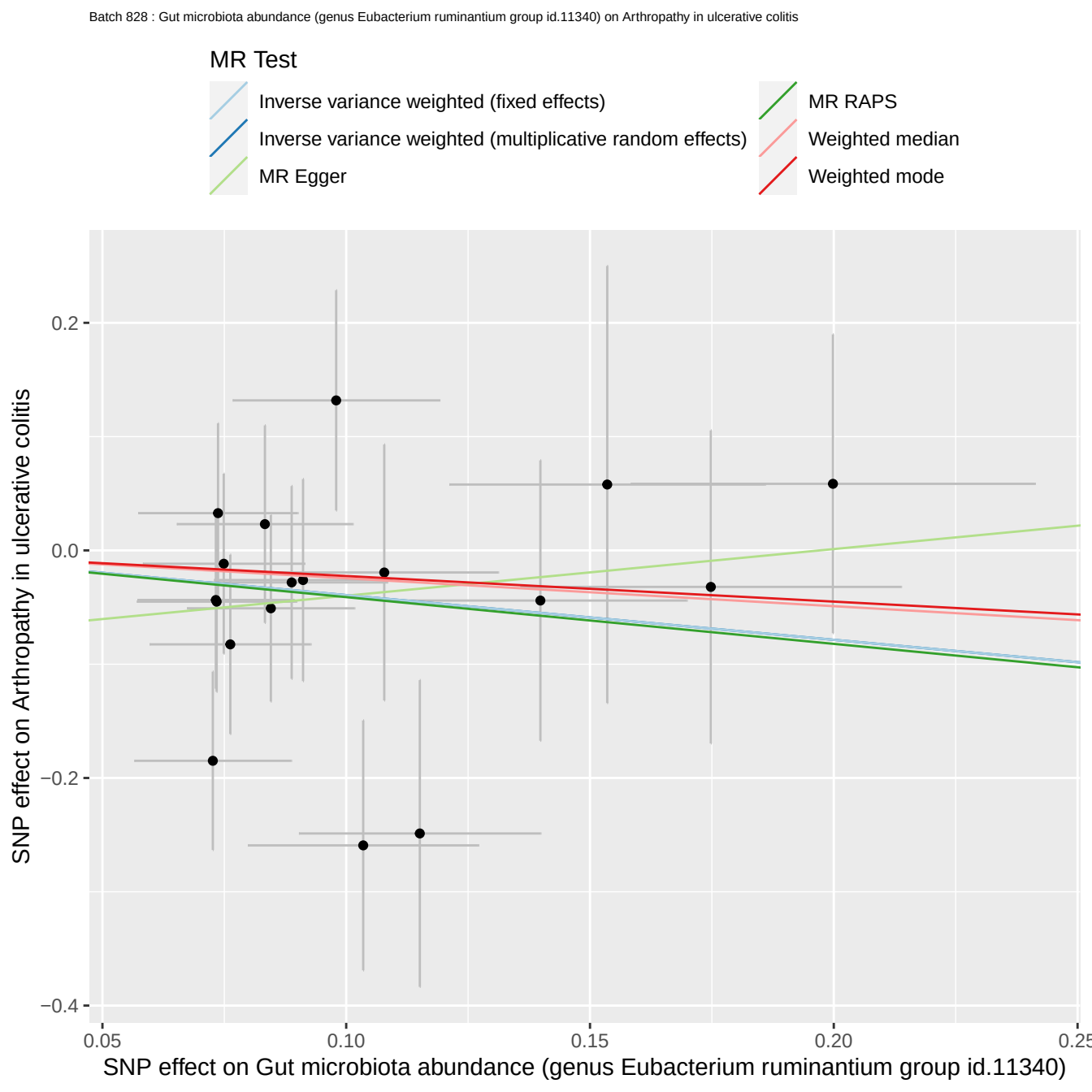
Batch 826 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Arthropathy in ulcerative colitis

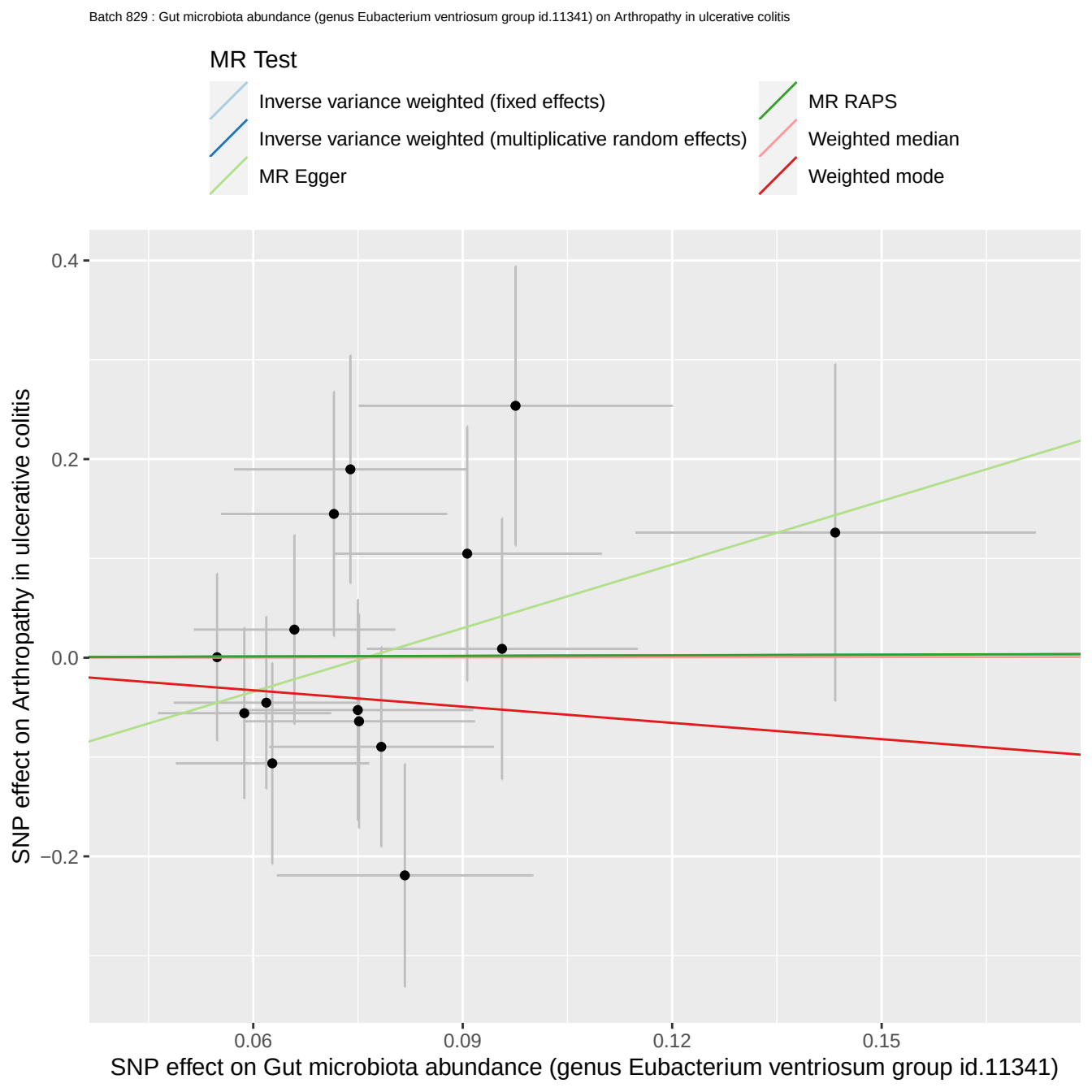


Batch 827 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Arthropathy in ulcerative colitis

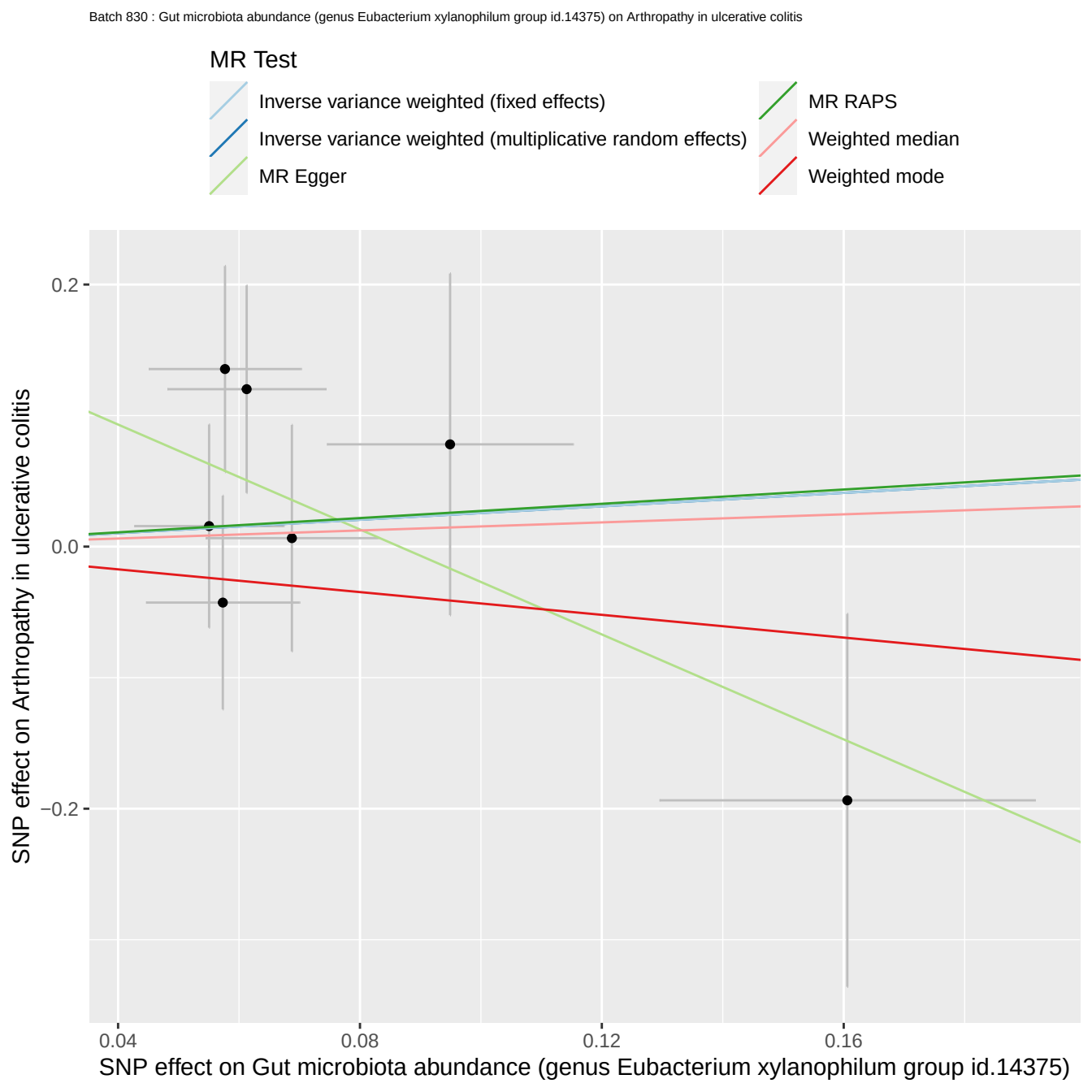


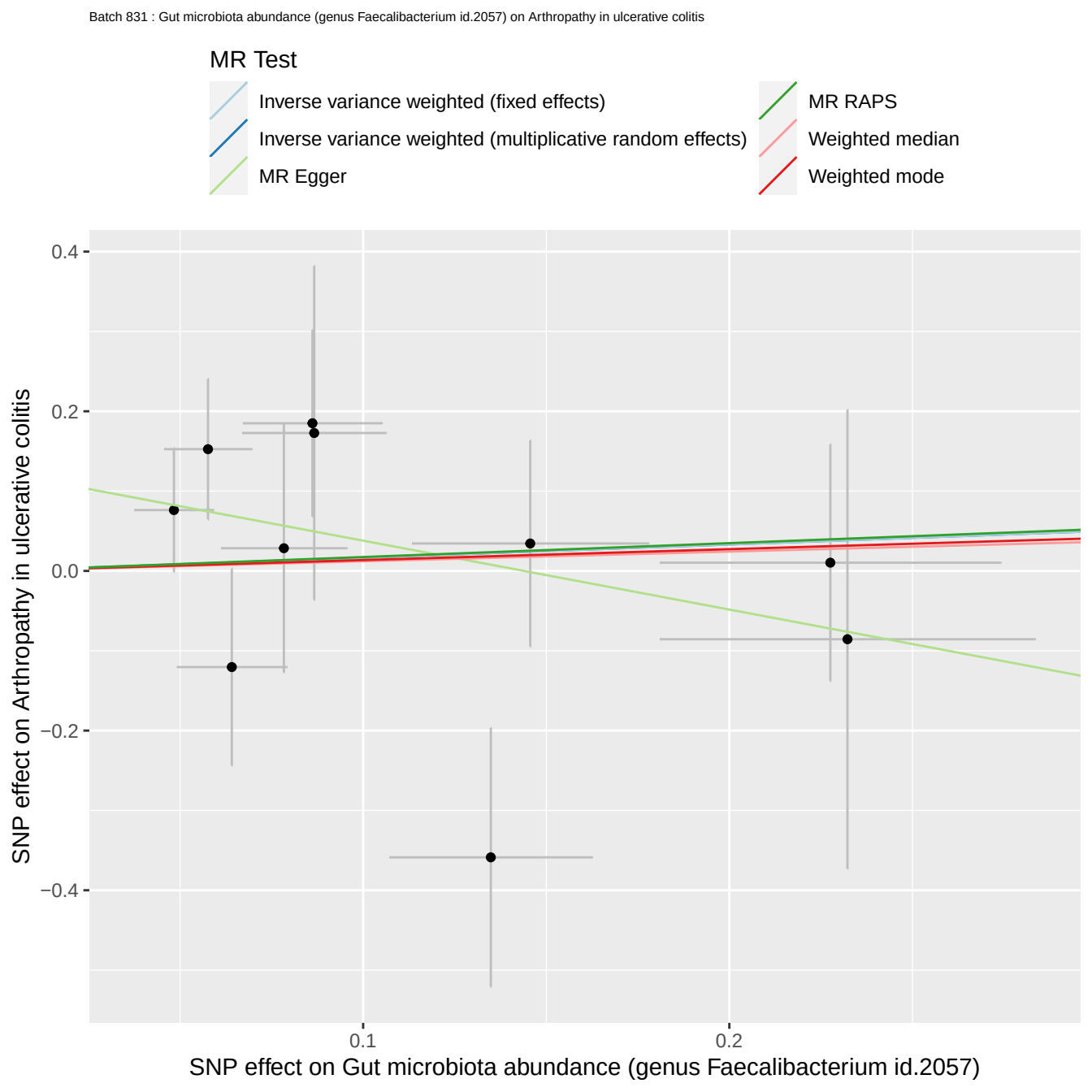
Batch 828 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Arthropathy in ulcerative colitis

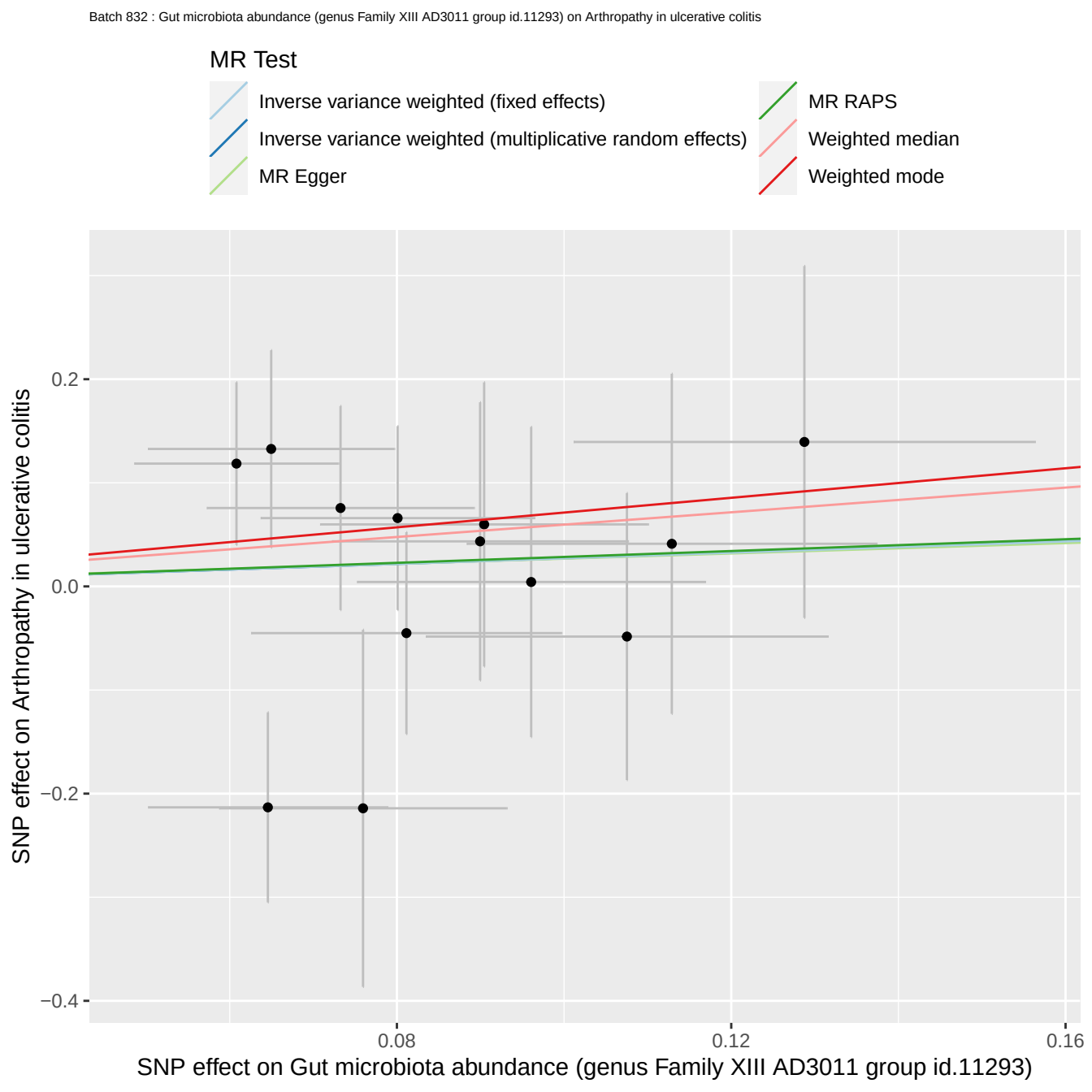


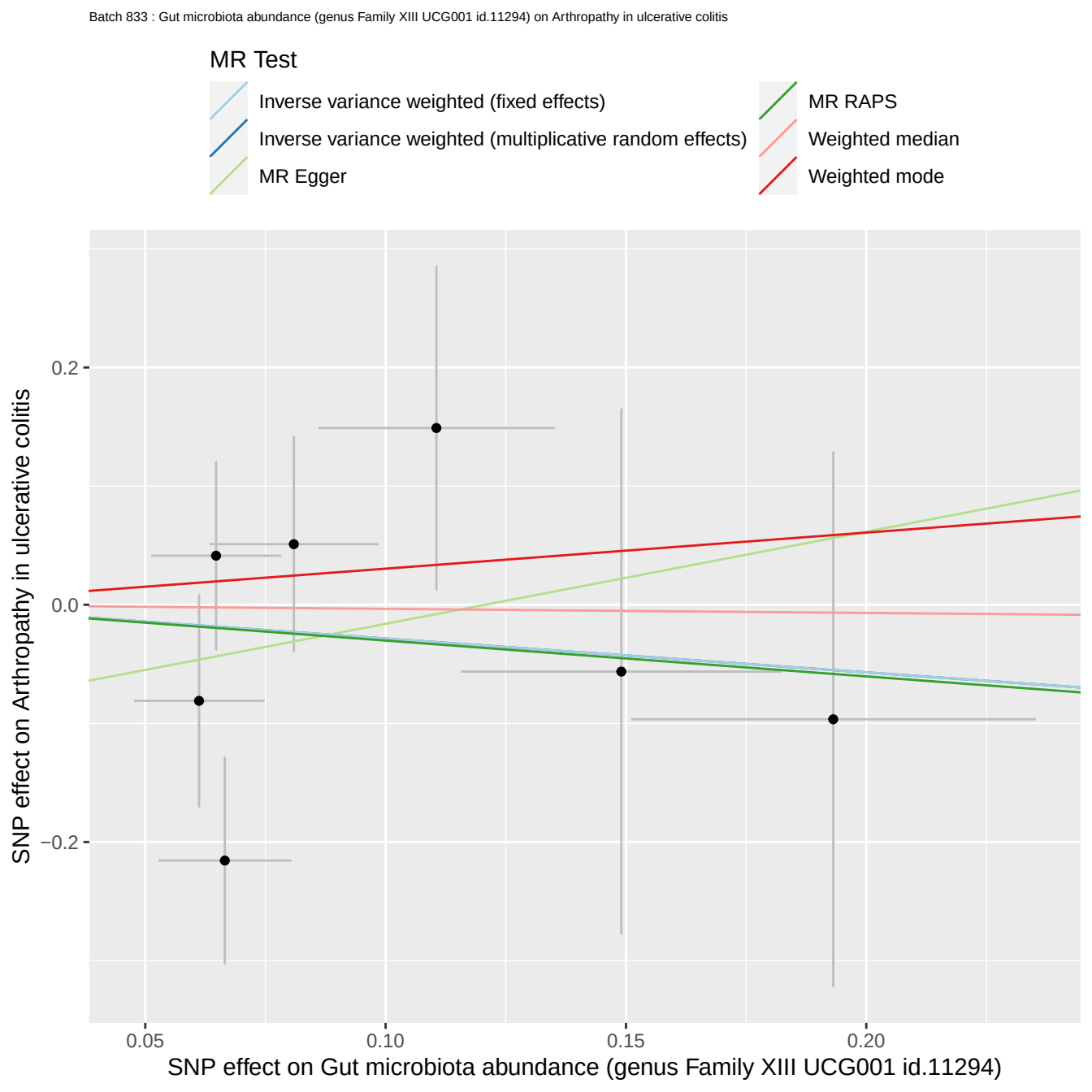

Batch 829 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

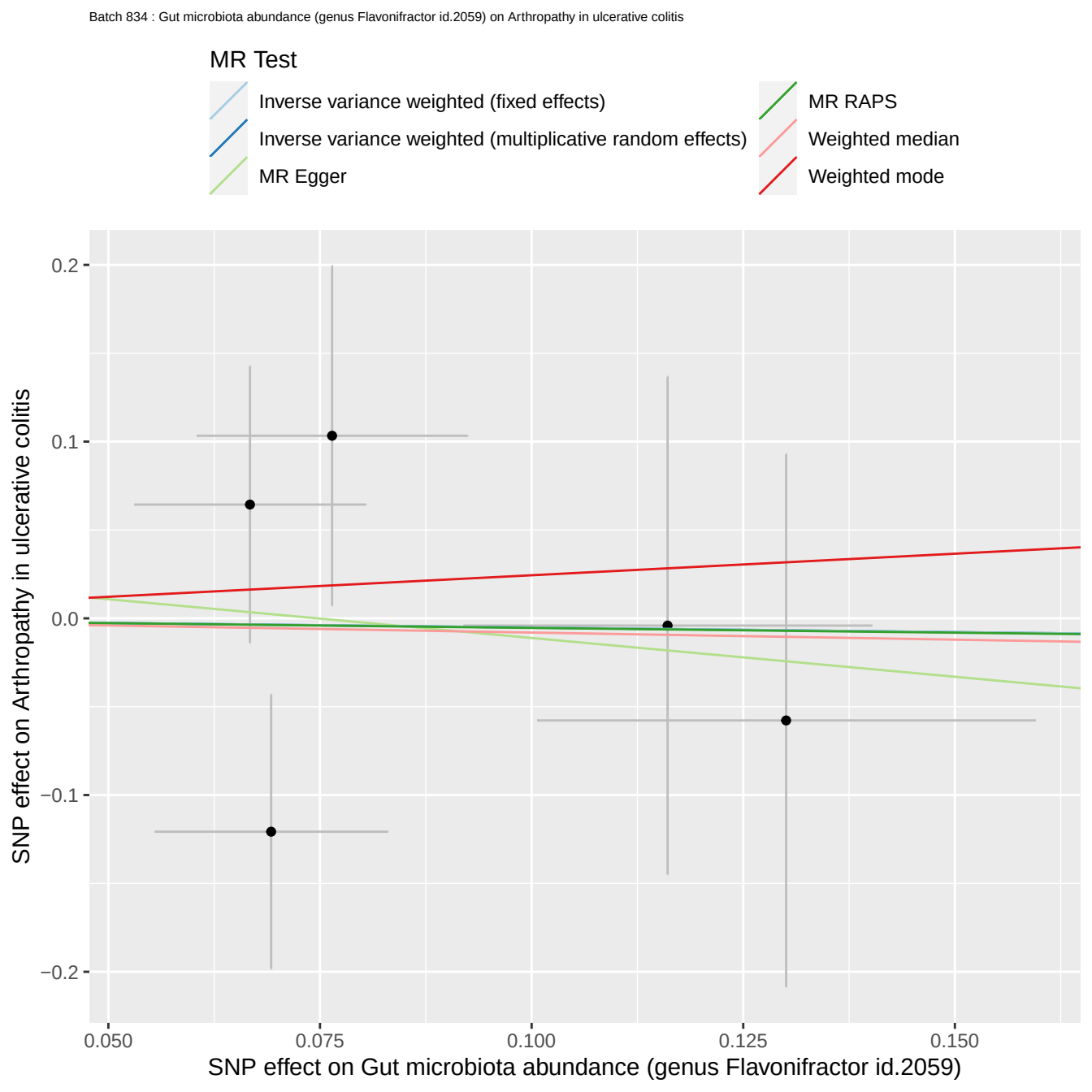
Batch 830 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Arthropathy in ulcerative colitis

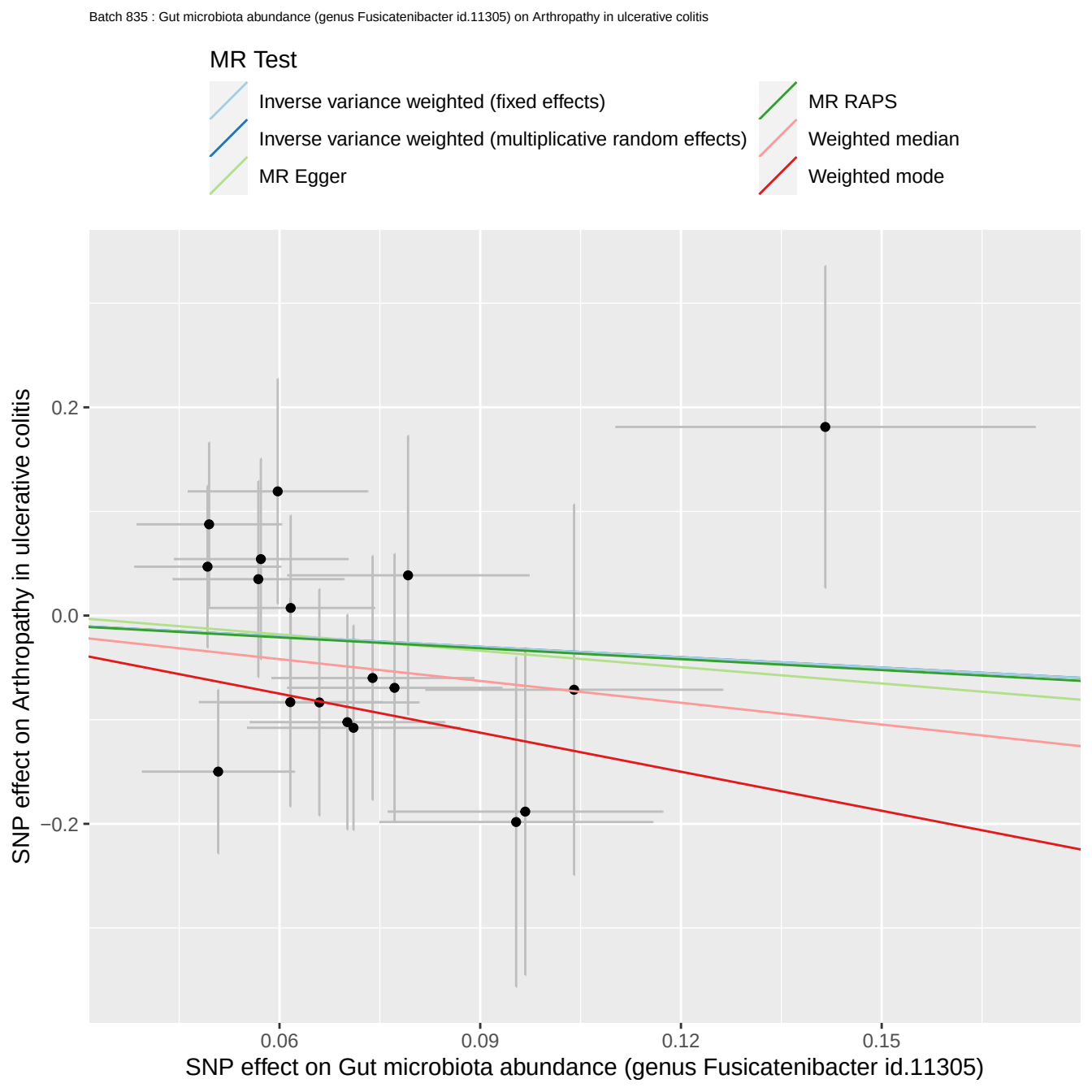


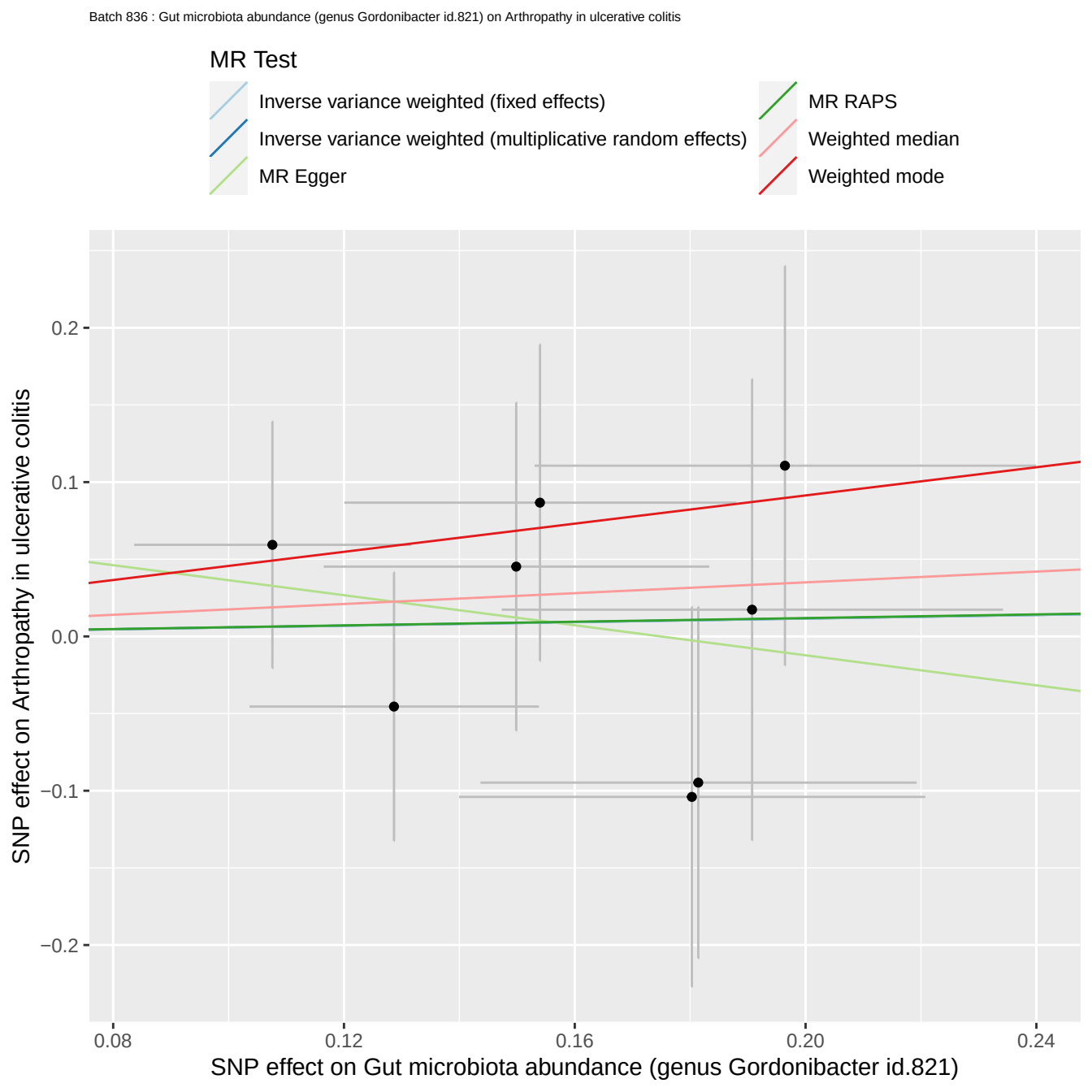

Batch 831 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

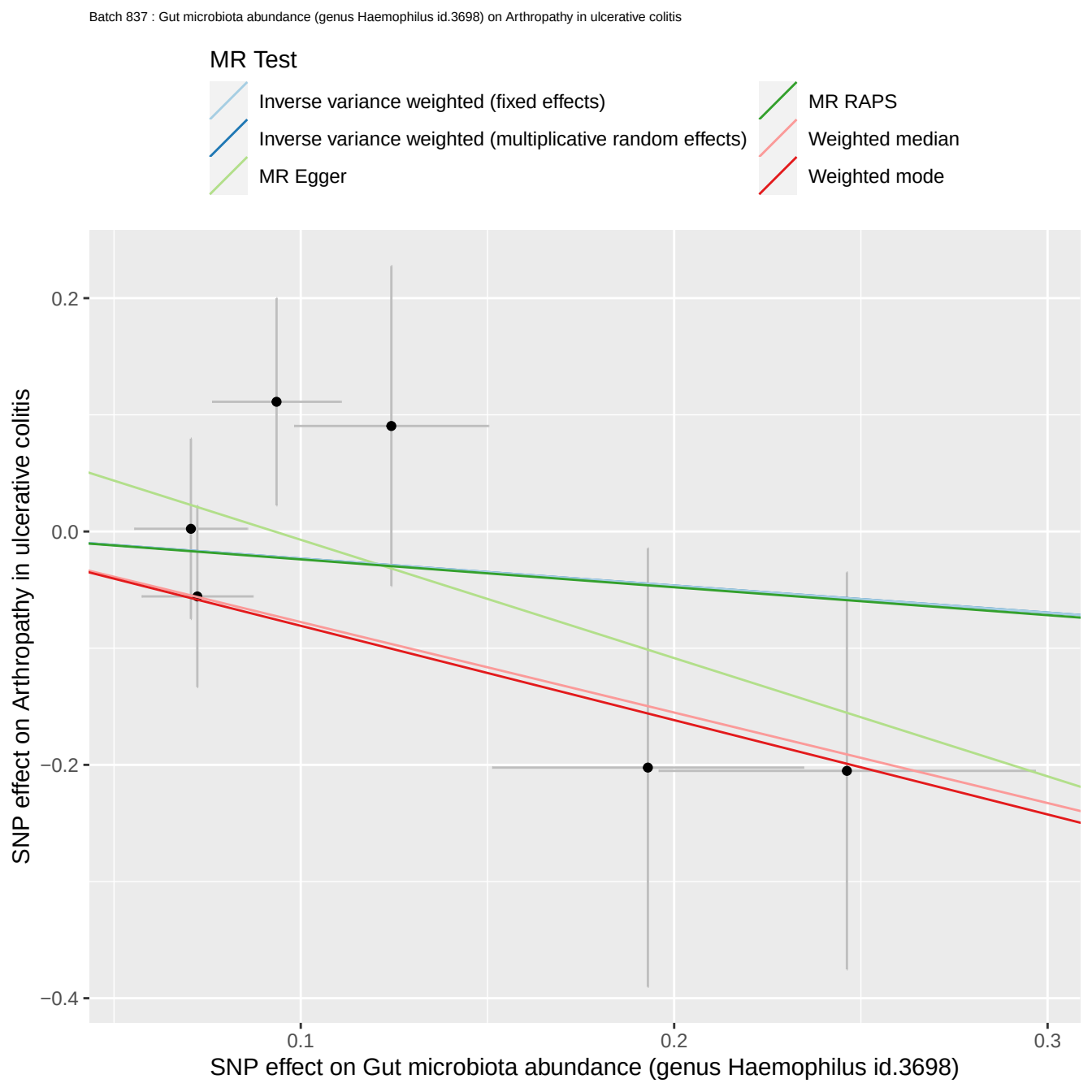

Batch 832 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)

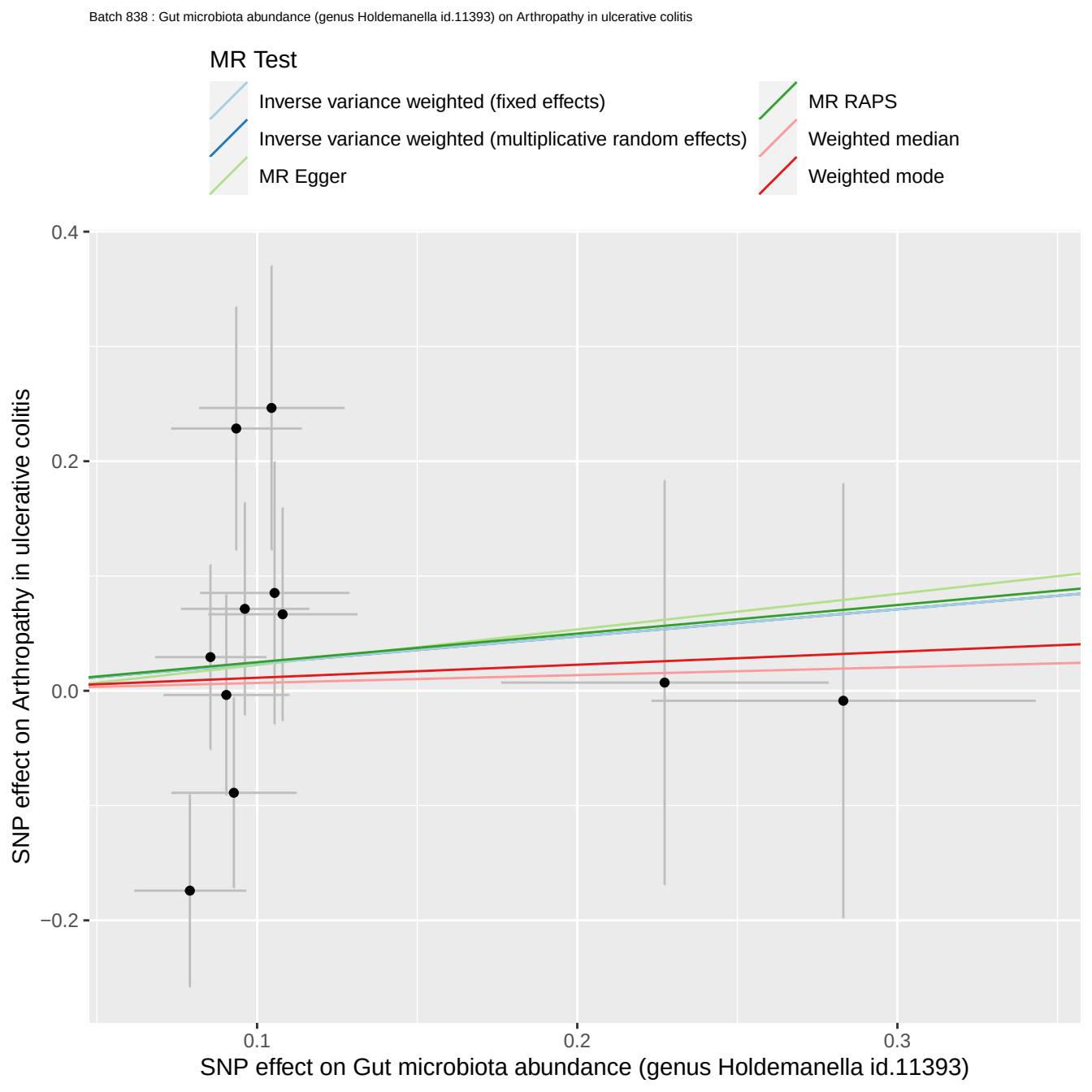

Batch 833 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)


Batch 834 : Gut microbiota abundance (genus Flavonifractor id.2059) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

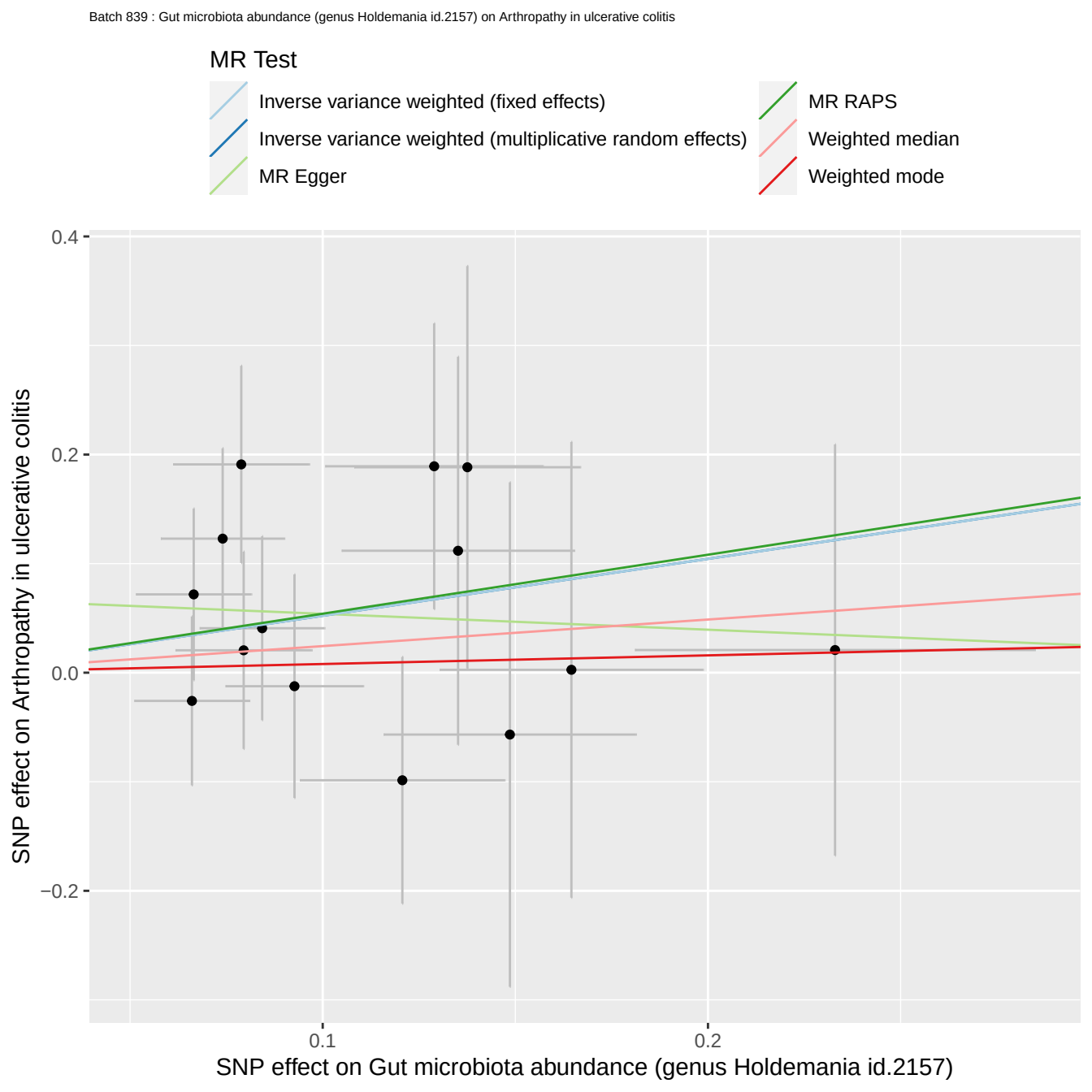

Batch 835 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)


Batch 836 : Gut microbiota abundance (genus Gordonibacter id.821) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

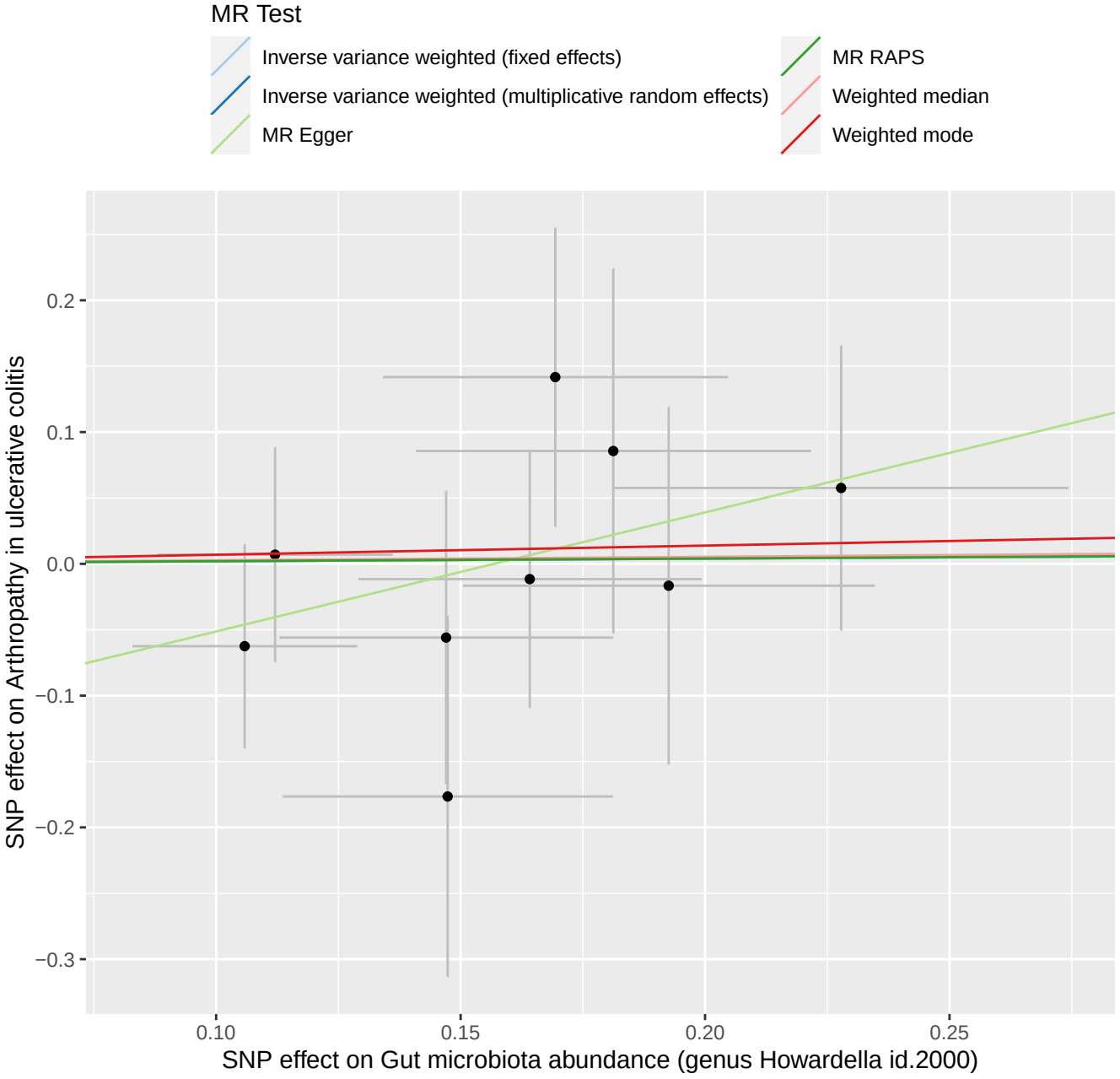

Batch 837 : Gut microbiota abundance (genus Haemophilus id.3698) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

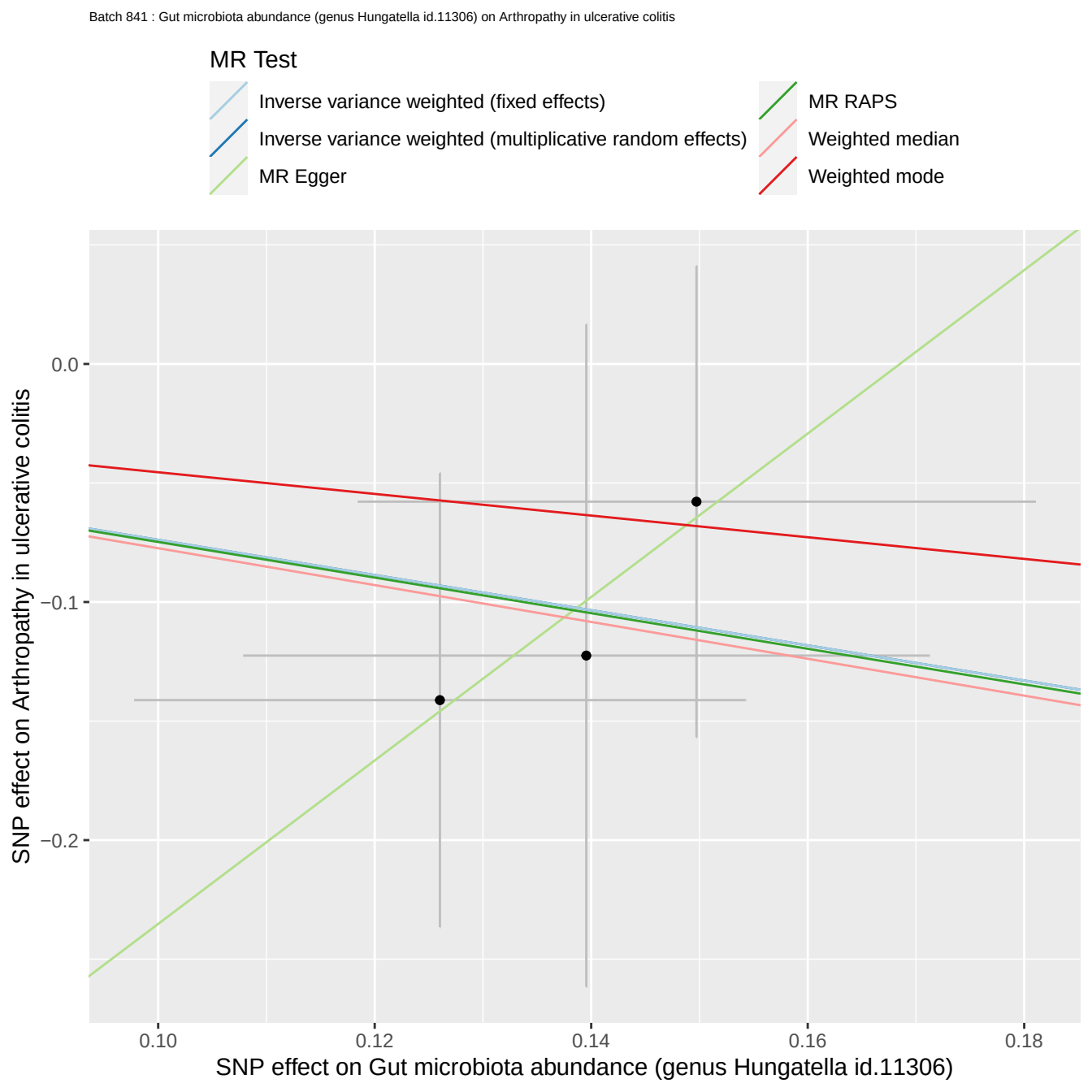

Batch 838 : Gut microbiota abundance (genus Holdemanella id.11393) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Holdemanella id.11393)

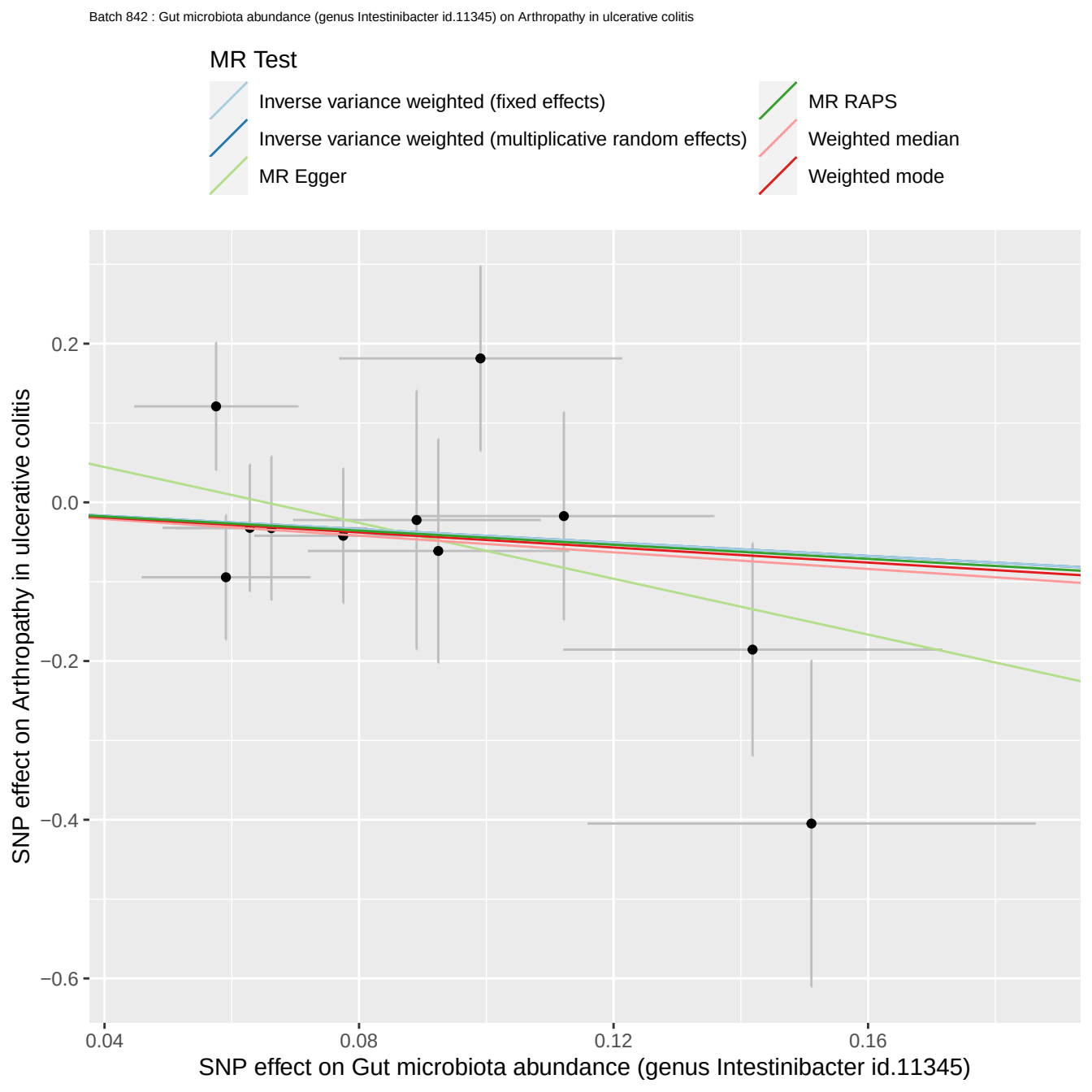
Batch 839 : Gut microbiota abundance (genus Holdemania id.2157) on Arthropathy in ulcerative colitis

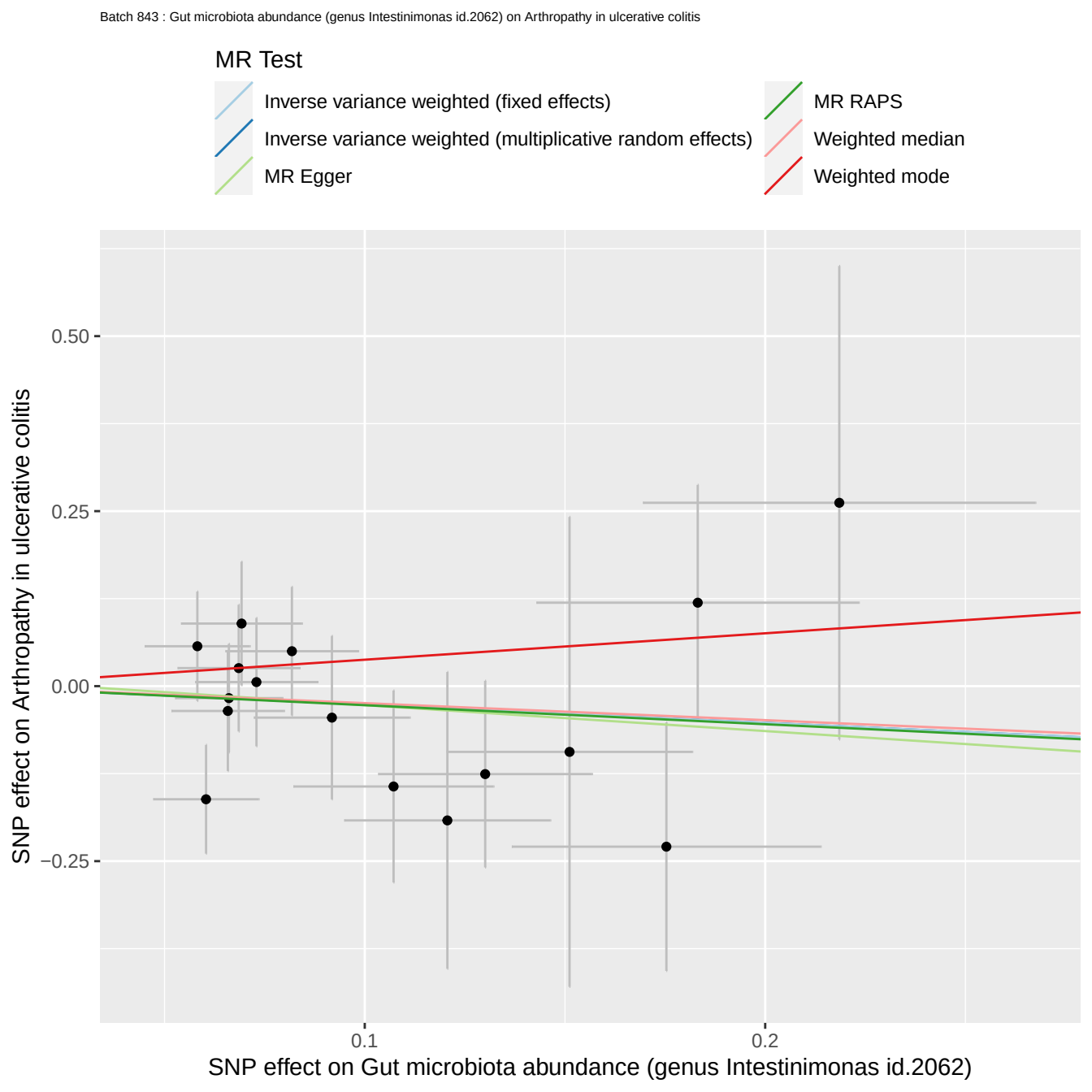


Batch 840 : Gut microbiota abundance (genus Howardella id.2000) on Arthropathy in ulcerative colitis

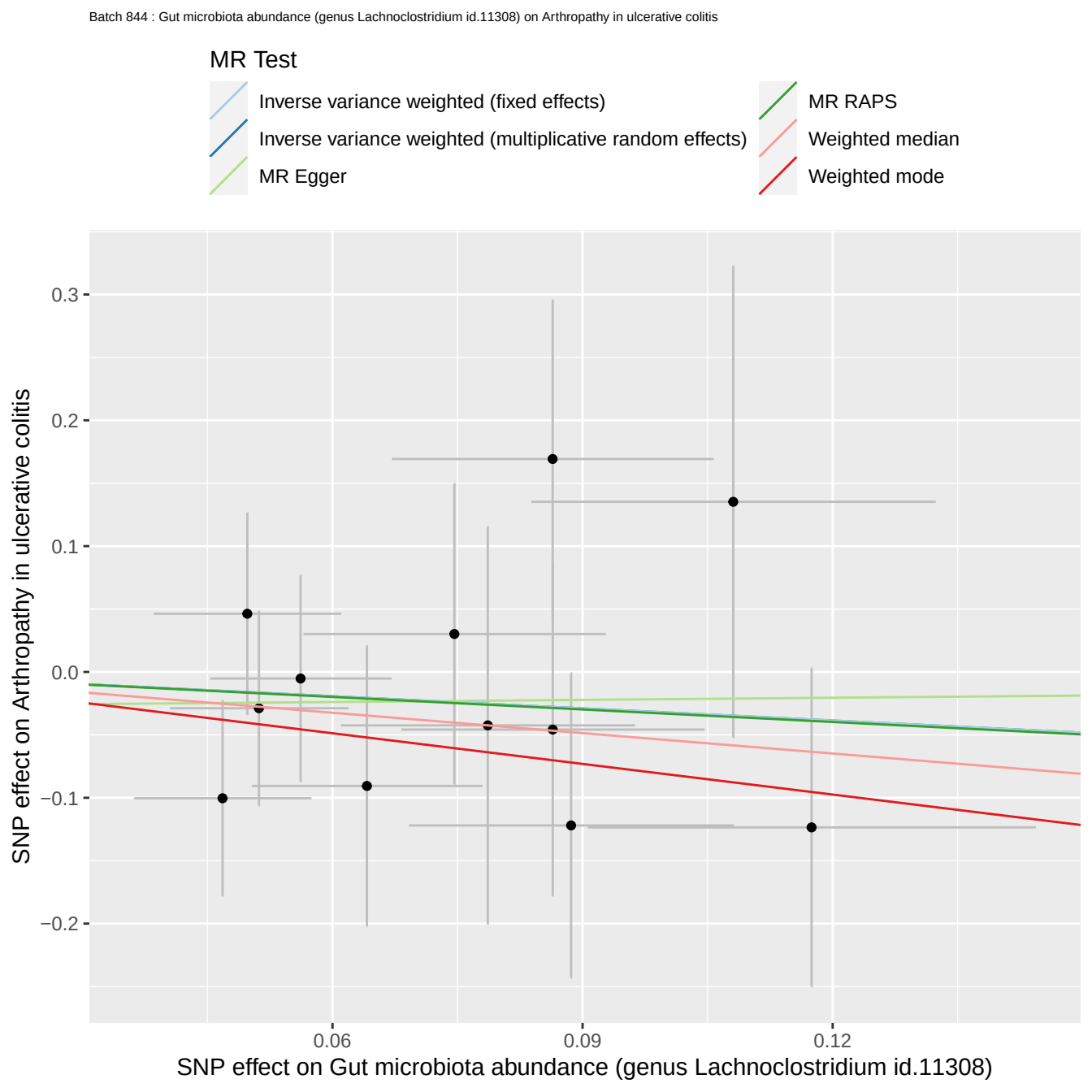


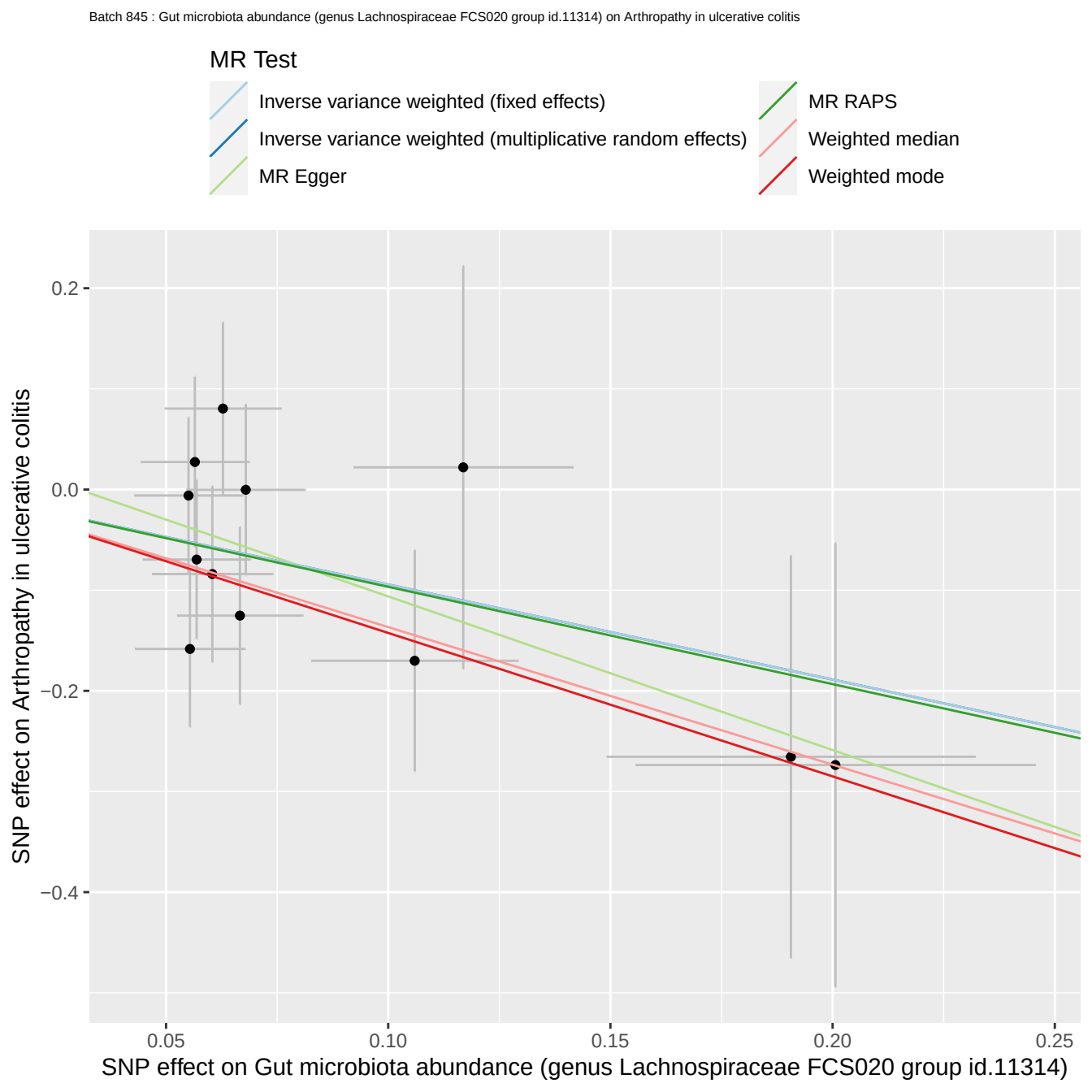

Batch 841 : Gut microbiota abundance (genus Hungatella id.11306) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.0
−0.1
−0.2
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)


Batch 842 : Gut microbiota abundance (genus Intestinibacter id.11345) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
−0.6
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)

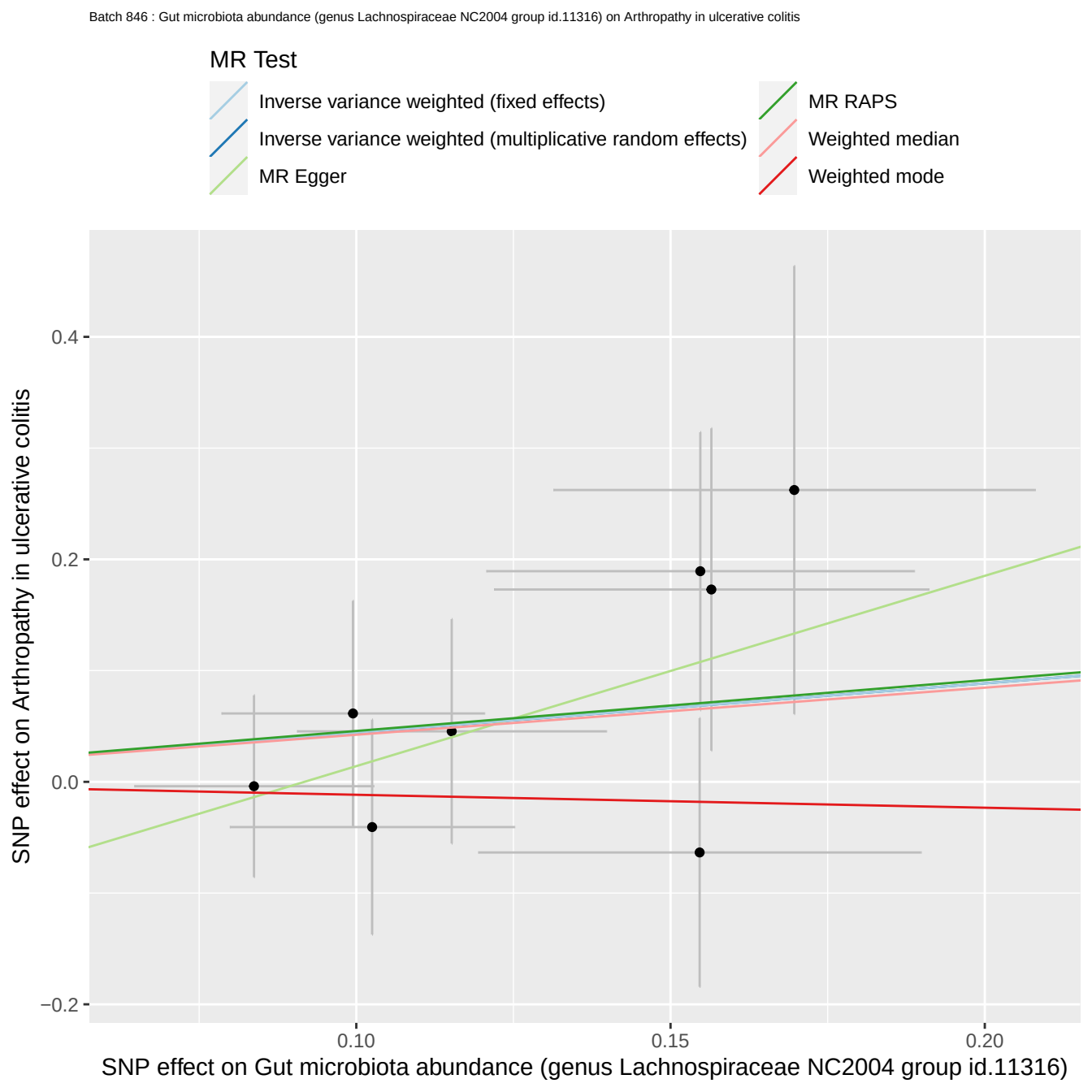

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
0.1
0.2
SNP effect on Arthropathy in ulcerative colitis
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

Batch 844 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Arthropathy in ulcerative colitis

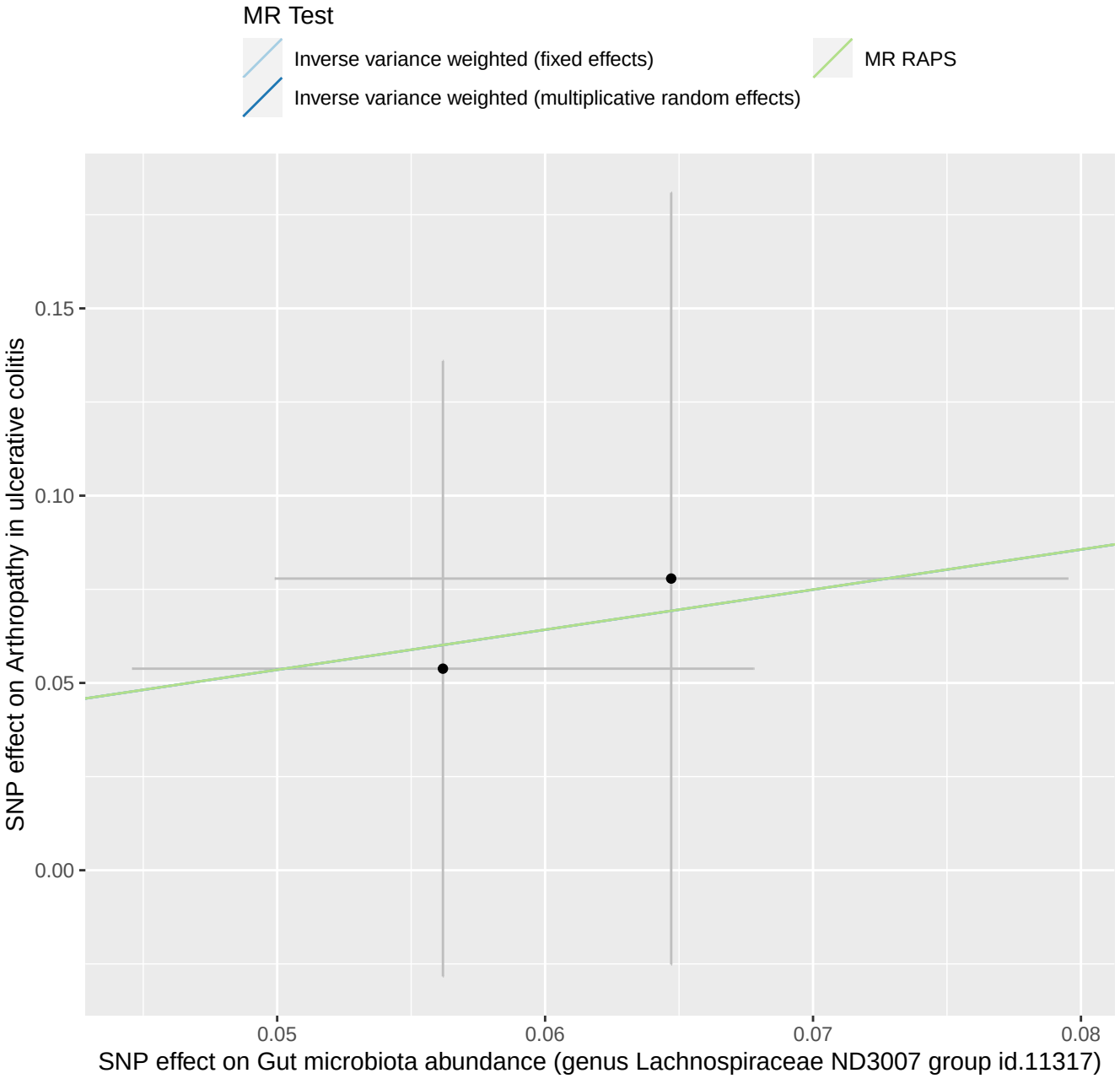



Batch 845 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

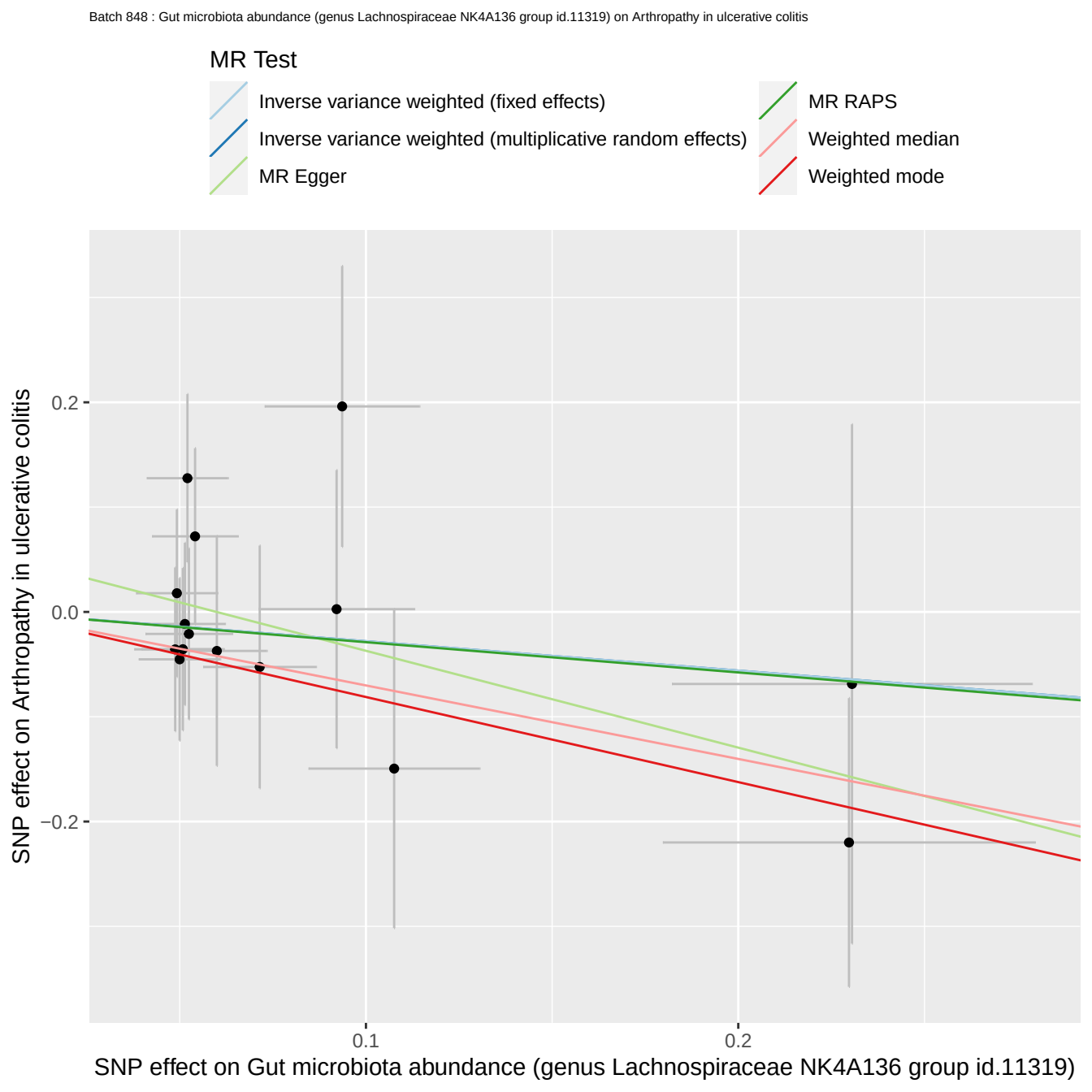
Batch 846 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Arthropathy in ulcerative colitis

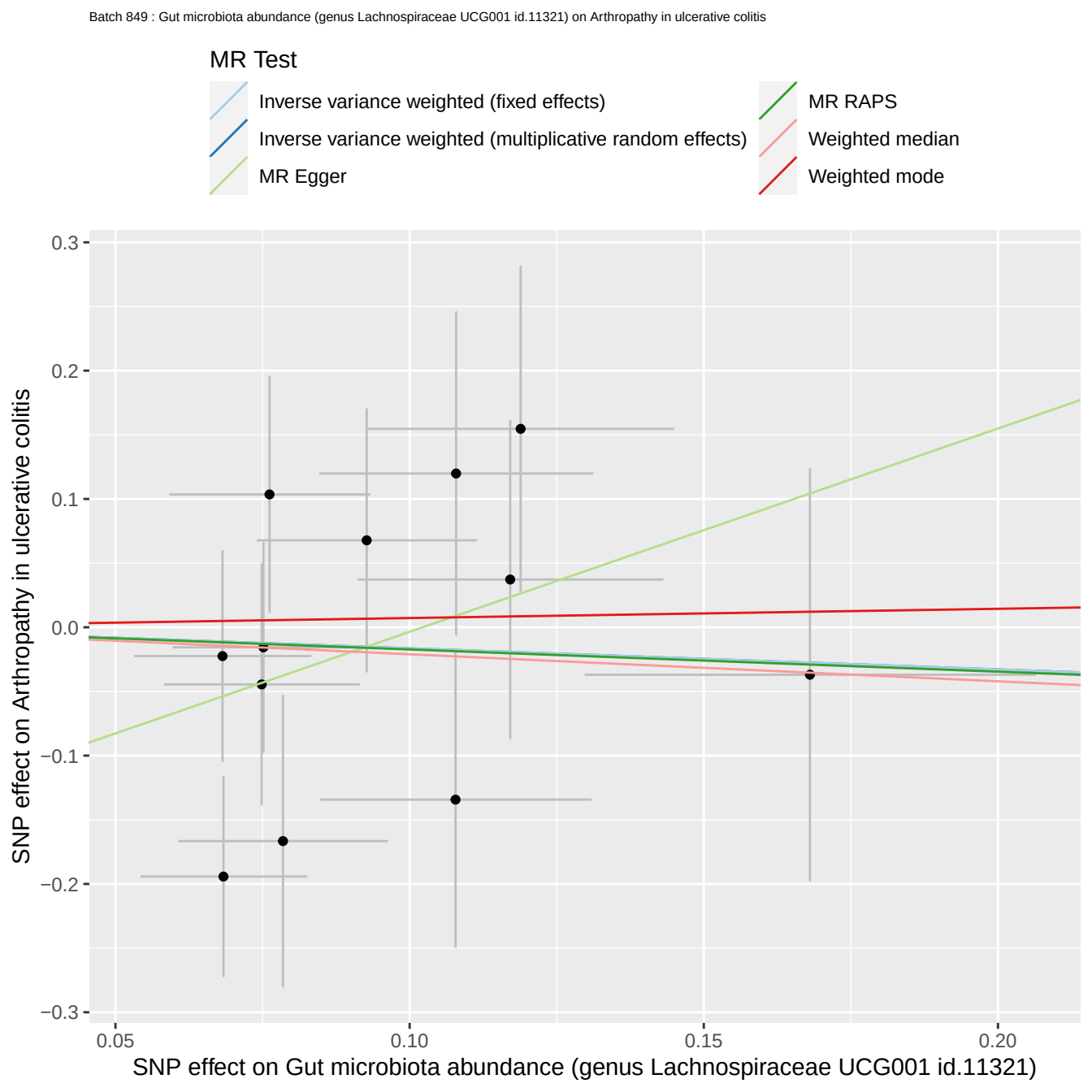


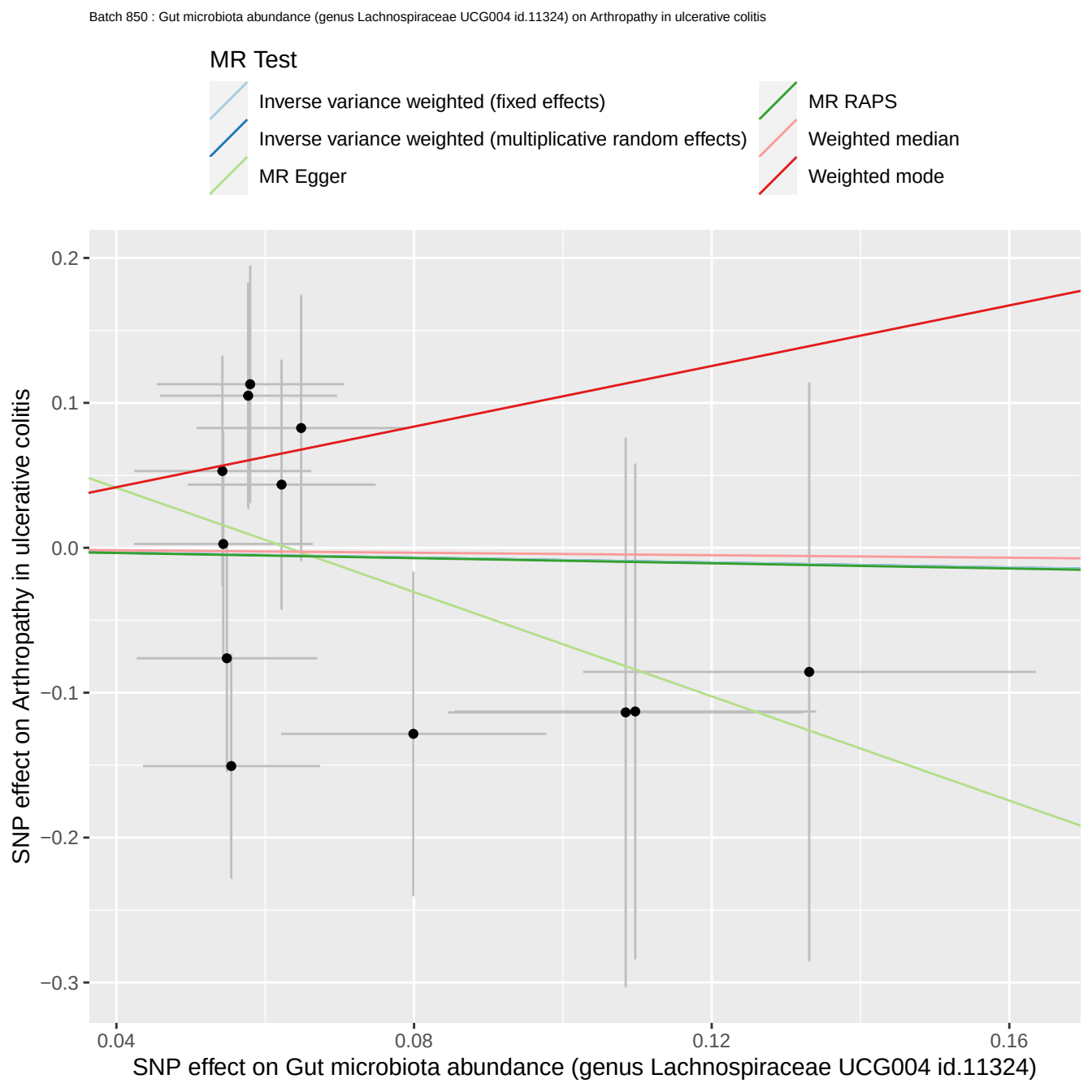
Batch 847 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Arthropathy in ulcerative colitis

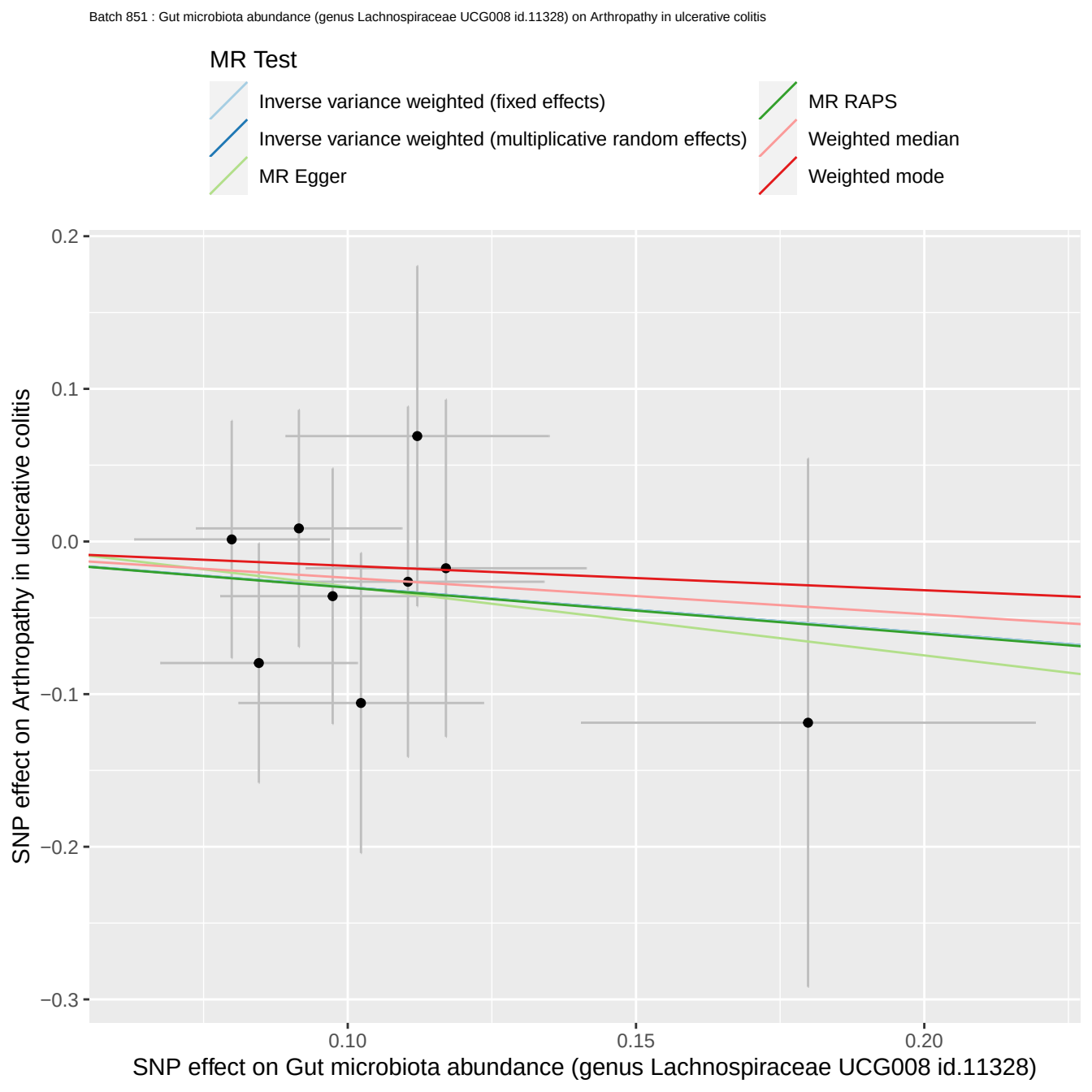


Batch 848 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Arthropathy in ulcerative colitis

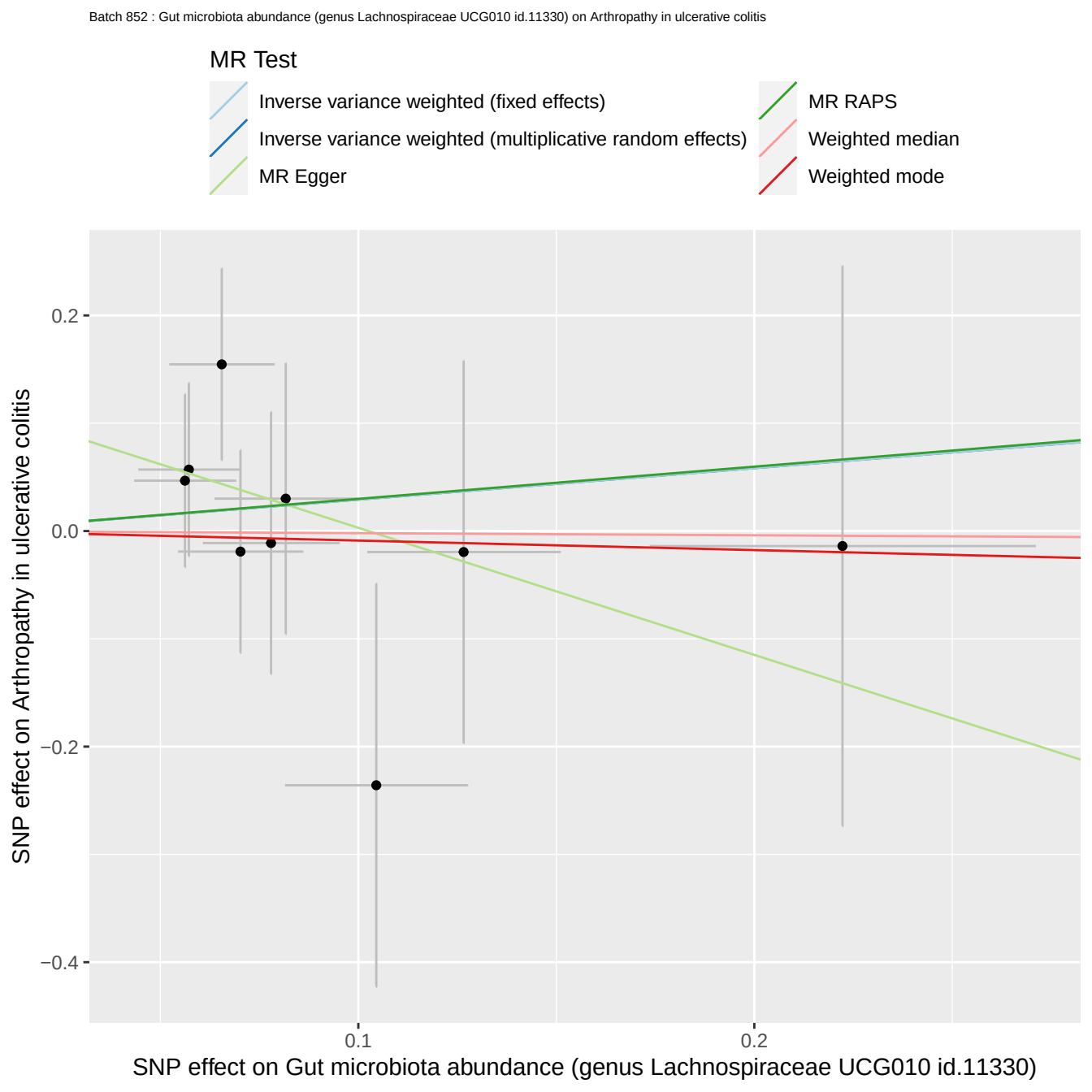



Batch 849 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)


Batch 850 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

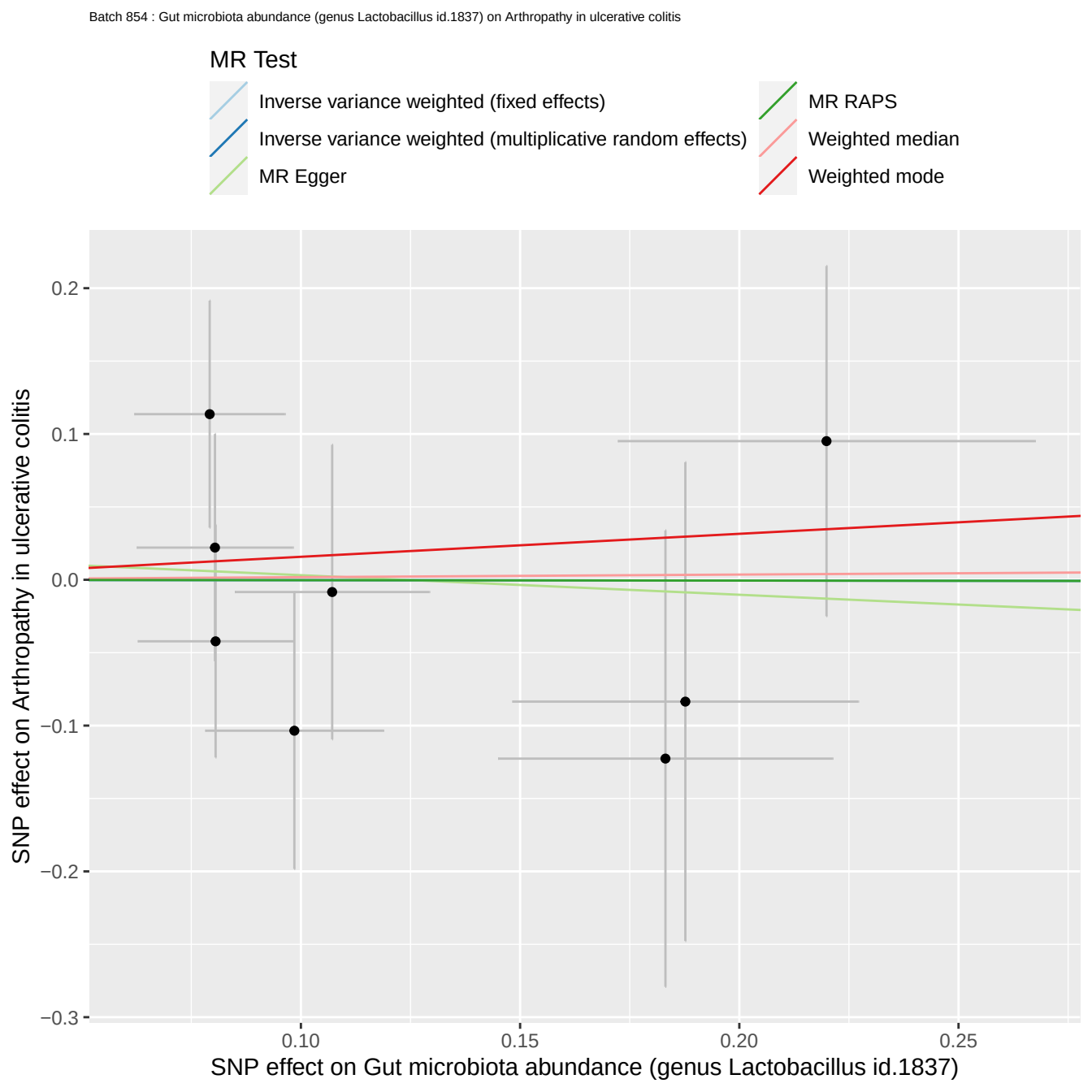

Batch 851 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
−0.3
SNP effect on Arthropathy in ulcerative colitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

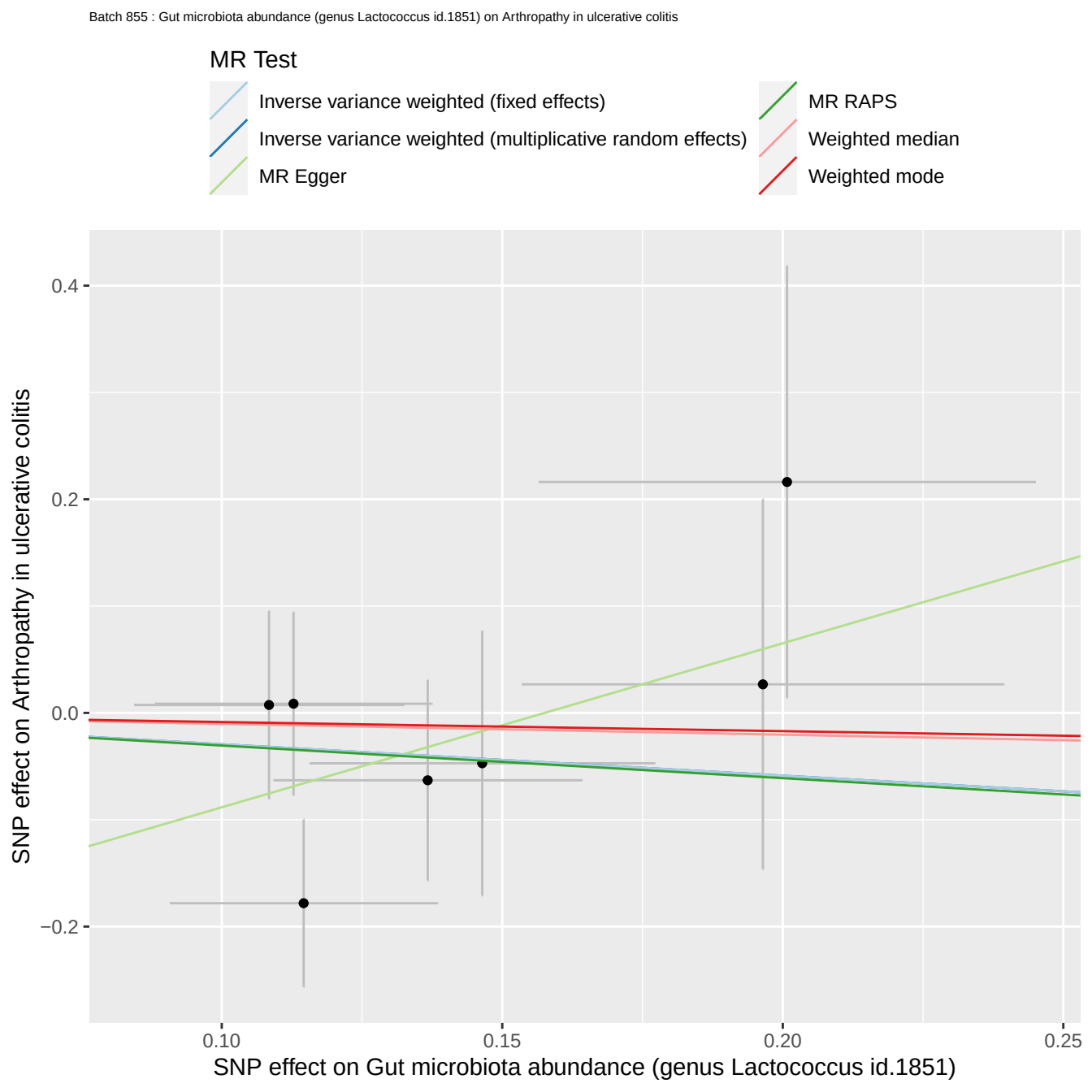
Batch 852 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Arthropathy in ulcerative colitis

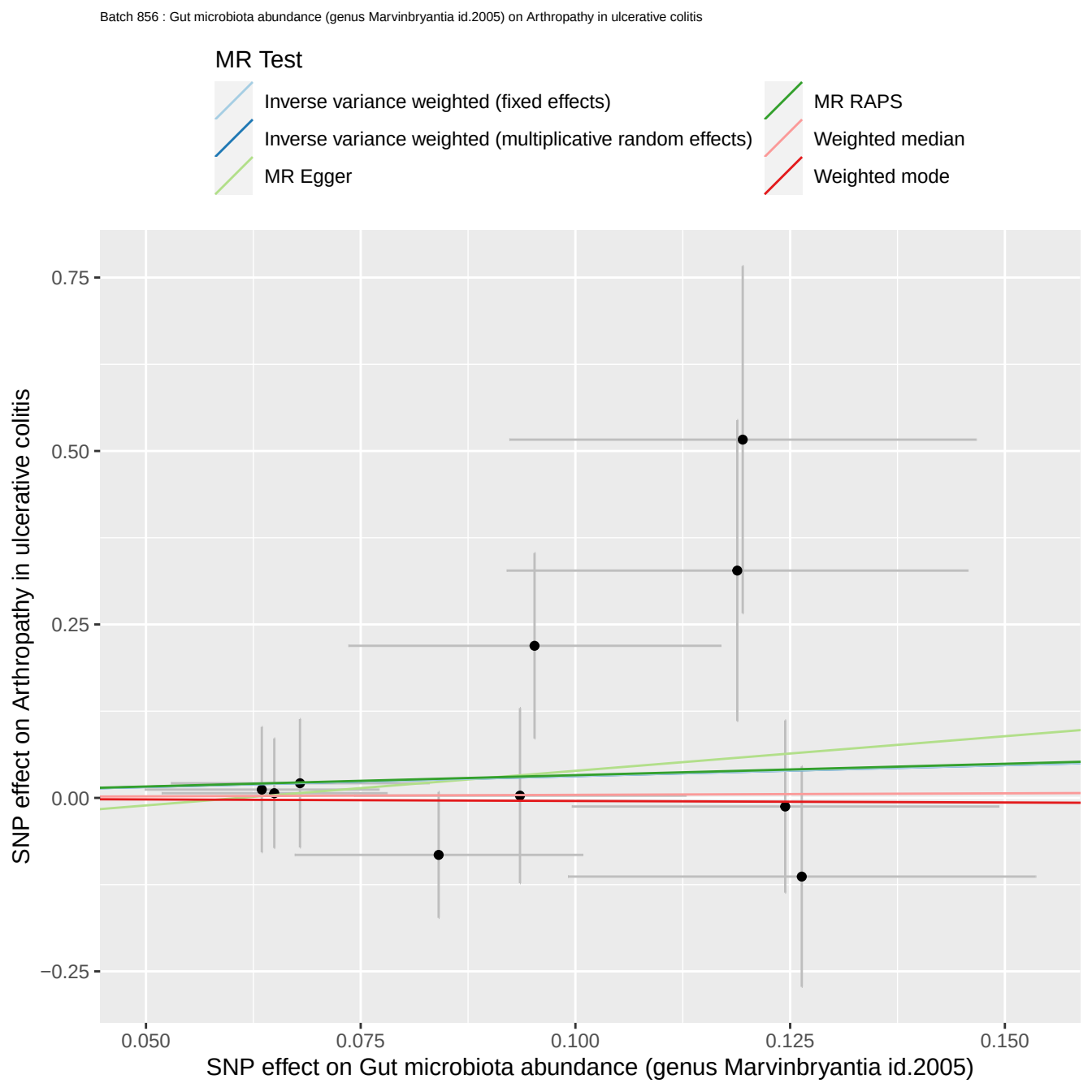


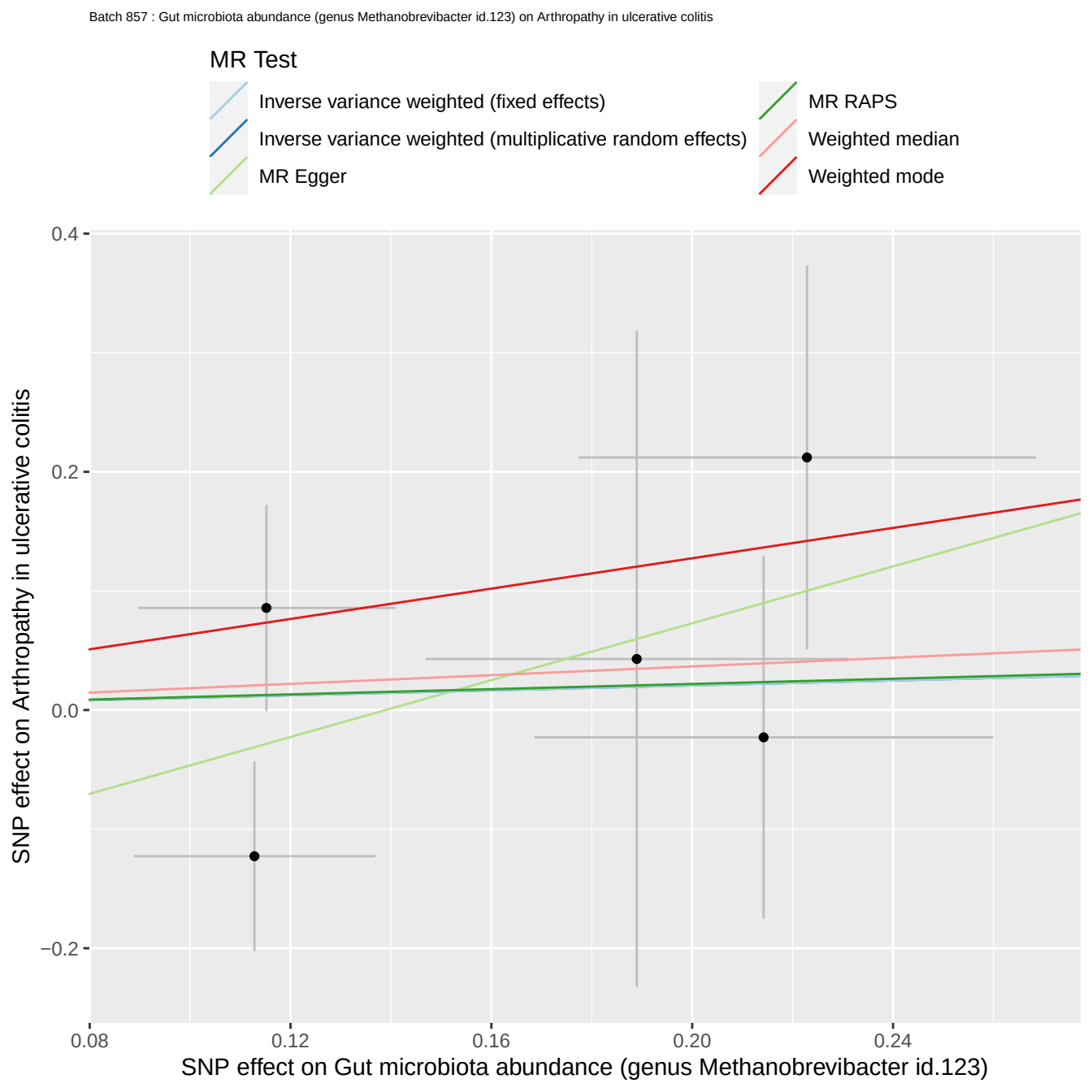
Insufficient number of SNPs

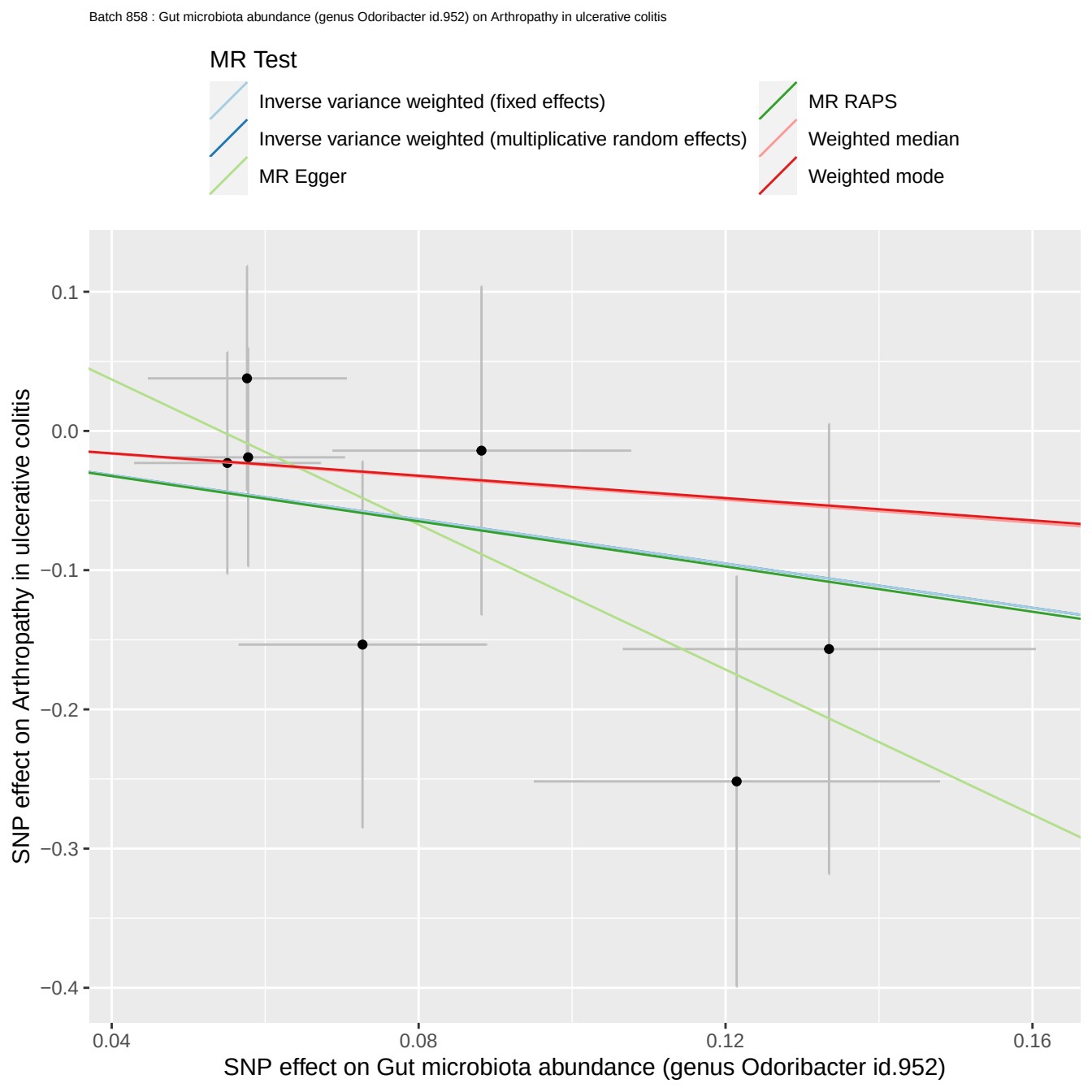
Batch 854 : Gut microbiota abundance (genus Lactobacillus id.1837) on Arthropathy in ulcerative colitis



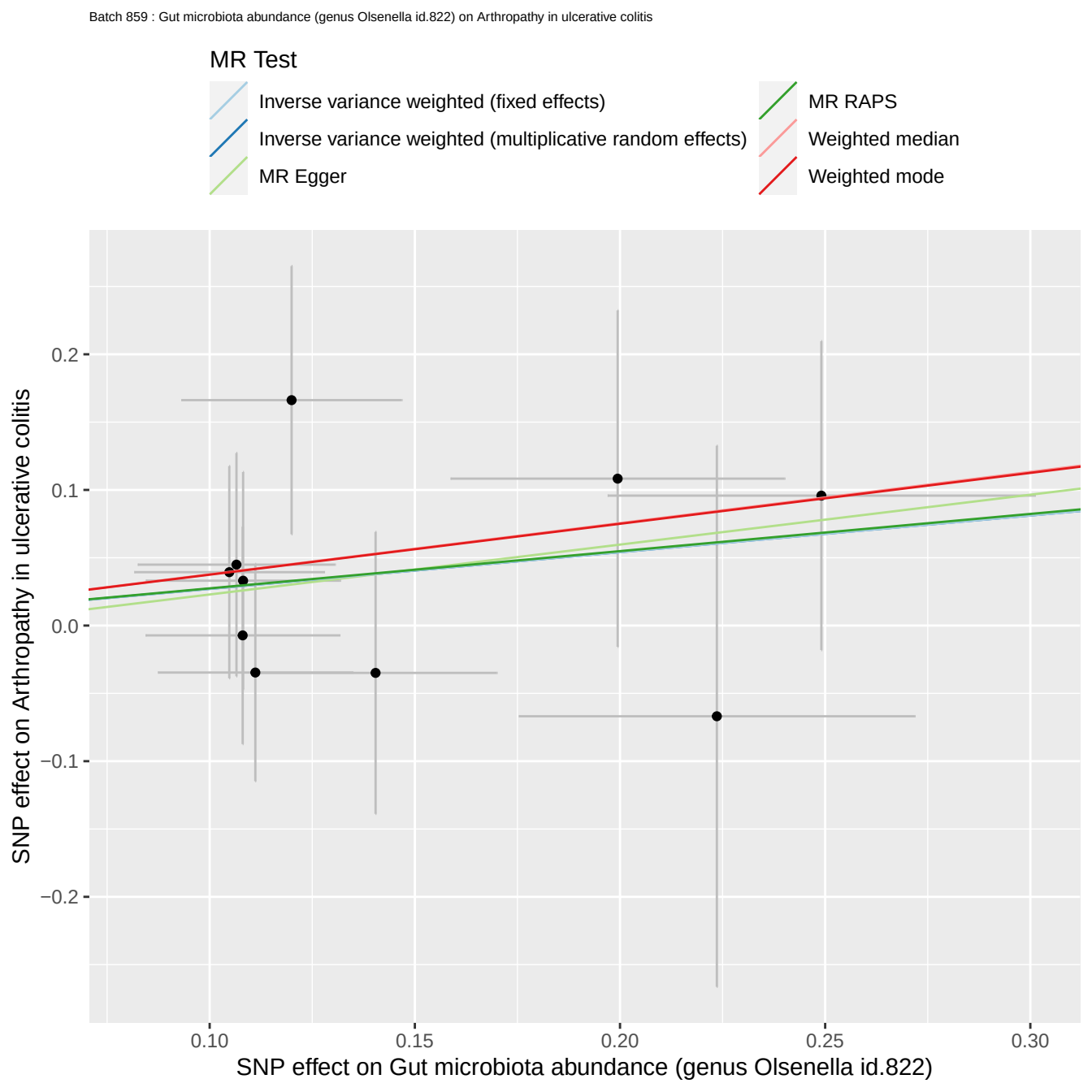

Batch 855 : Gut microbiota abundance (genus Lactococcus id.1851) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

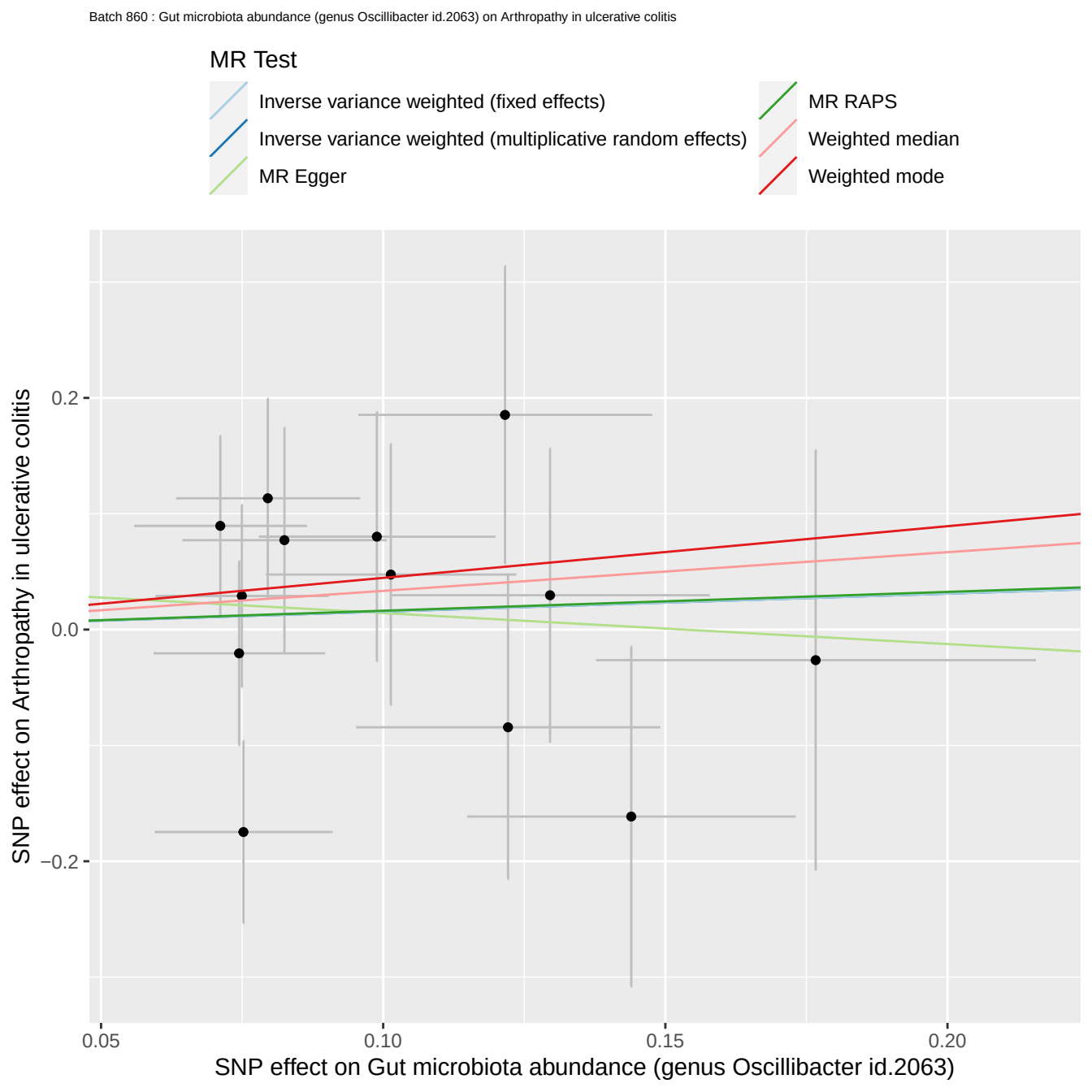

Batch 856 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.75
0.50
0.25
0.00
−0.25
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

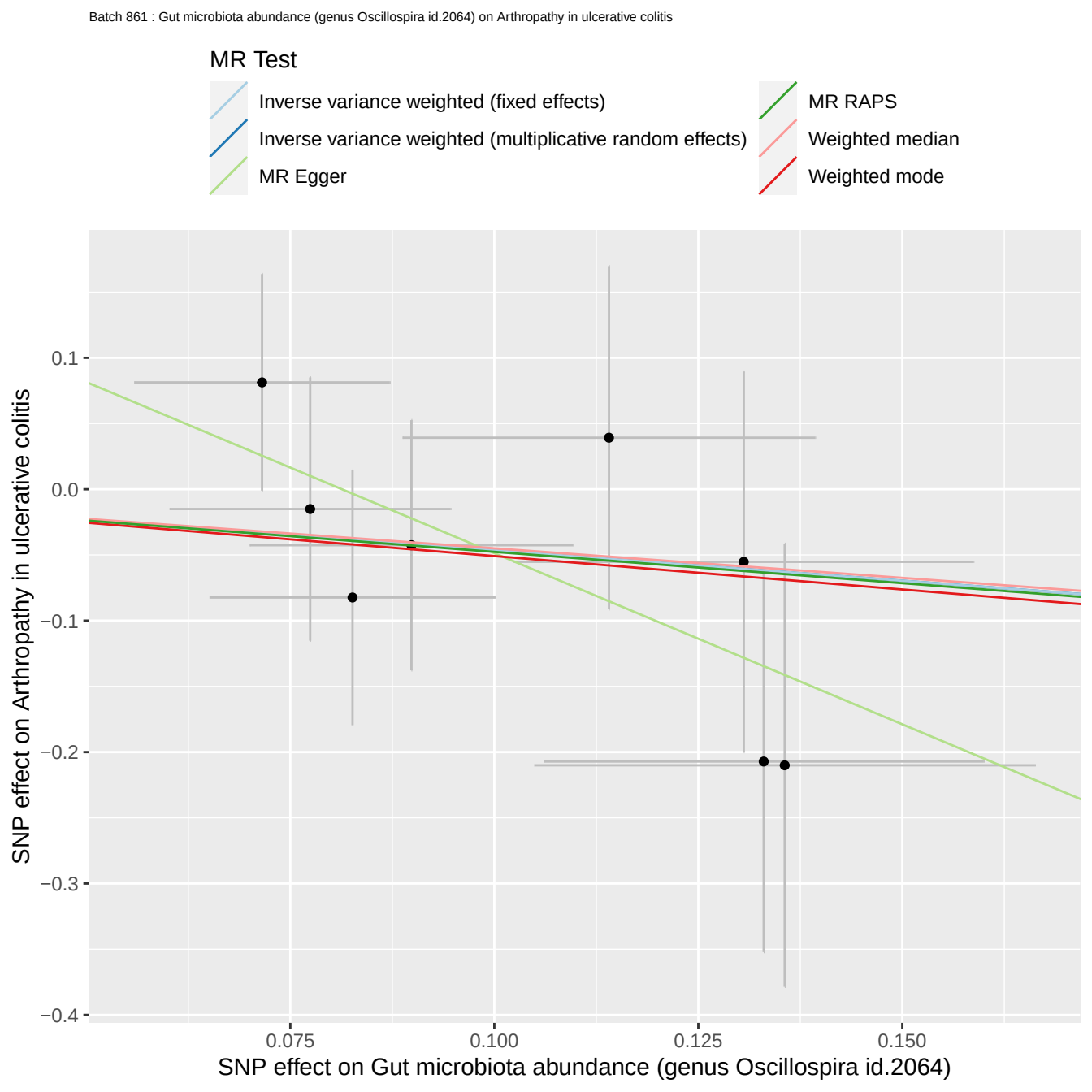

Batch 857 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

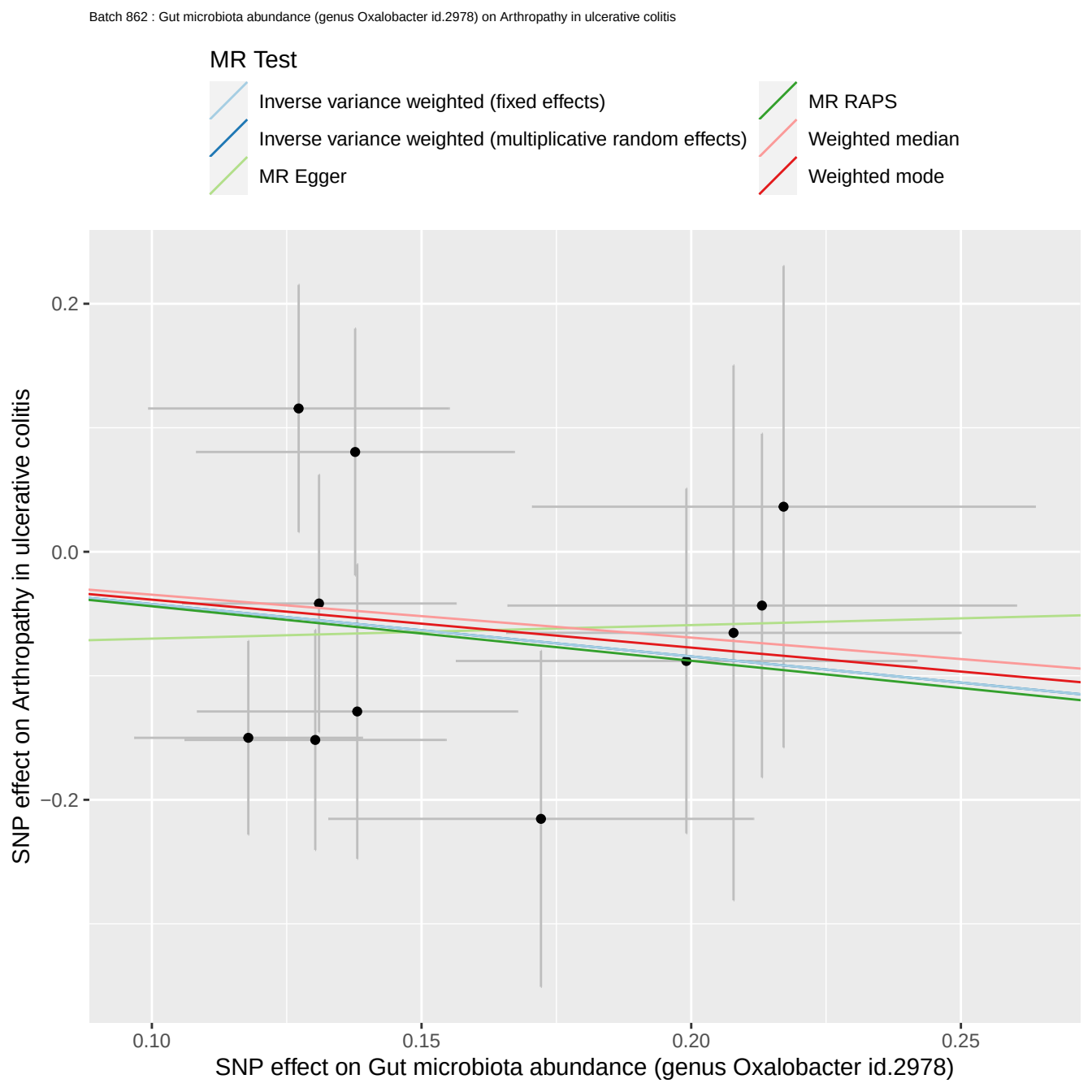

Batch 858 : Gut microbiota abundance (genus Odoribacter id.952) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

Batch 859 : Gut microbiota abundance (genus Olsenella id.822) on Arthropathy in ulcerative colitis

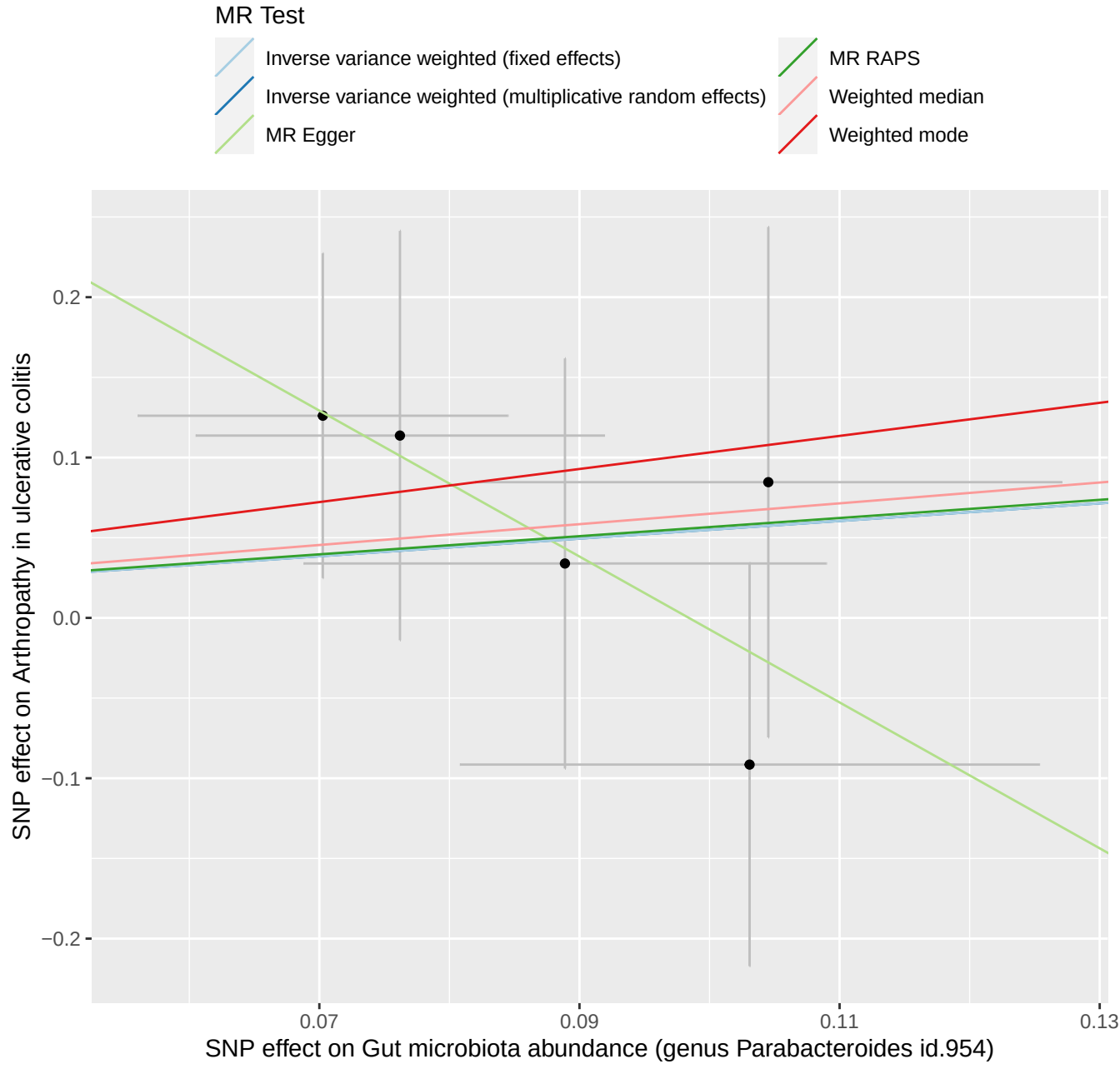


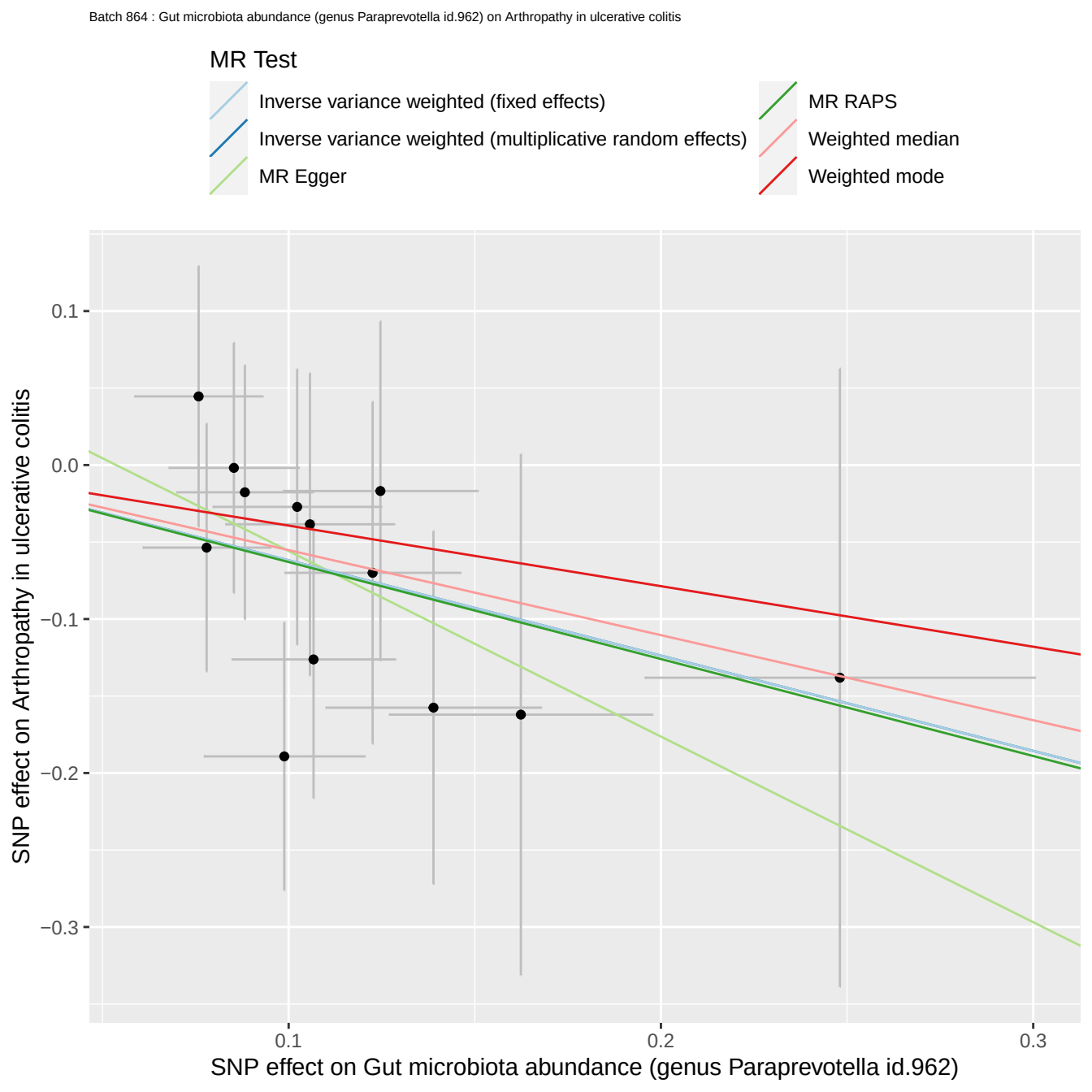

Batch 860 : Gut microbiota abundance (genus Oscillibacter id.2063) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)


Batch 861 : Gut microbiota abundance (genus Oscillospira id.2064) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

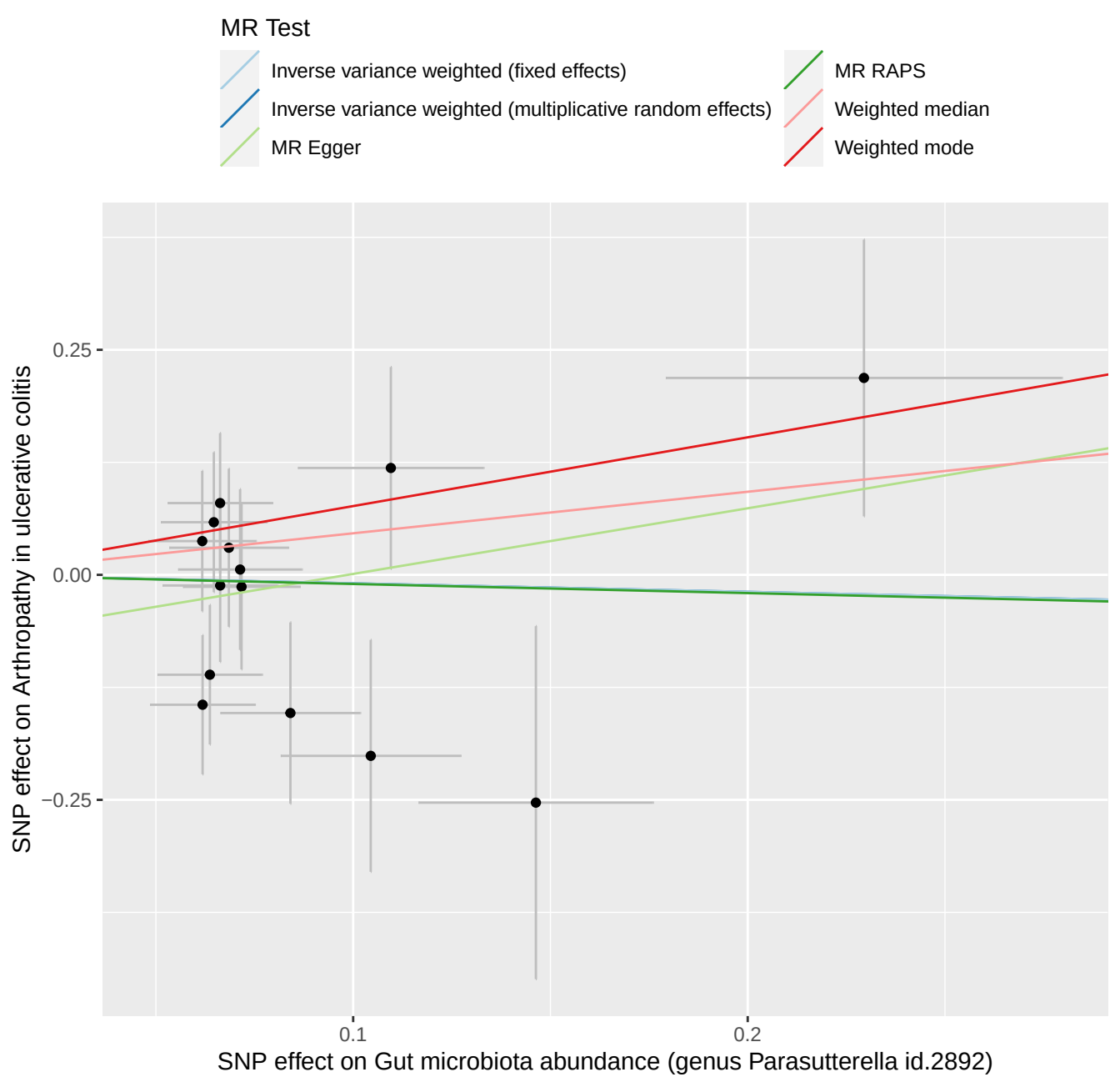

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
SNP effect on Arthropathy in ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

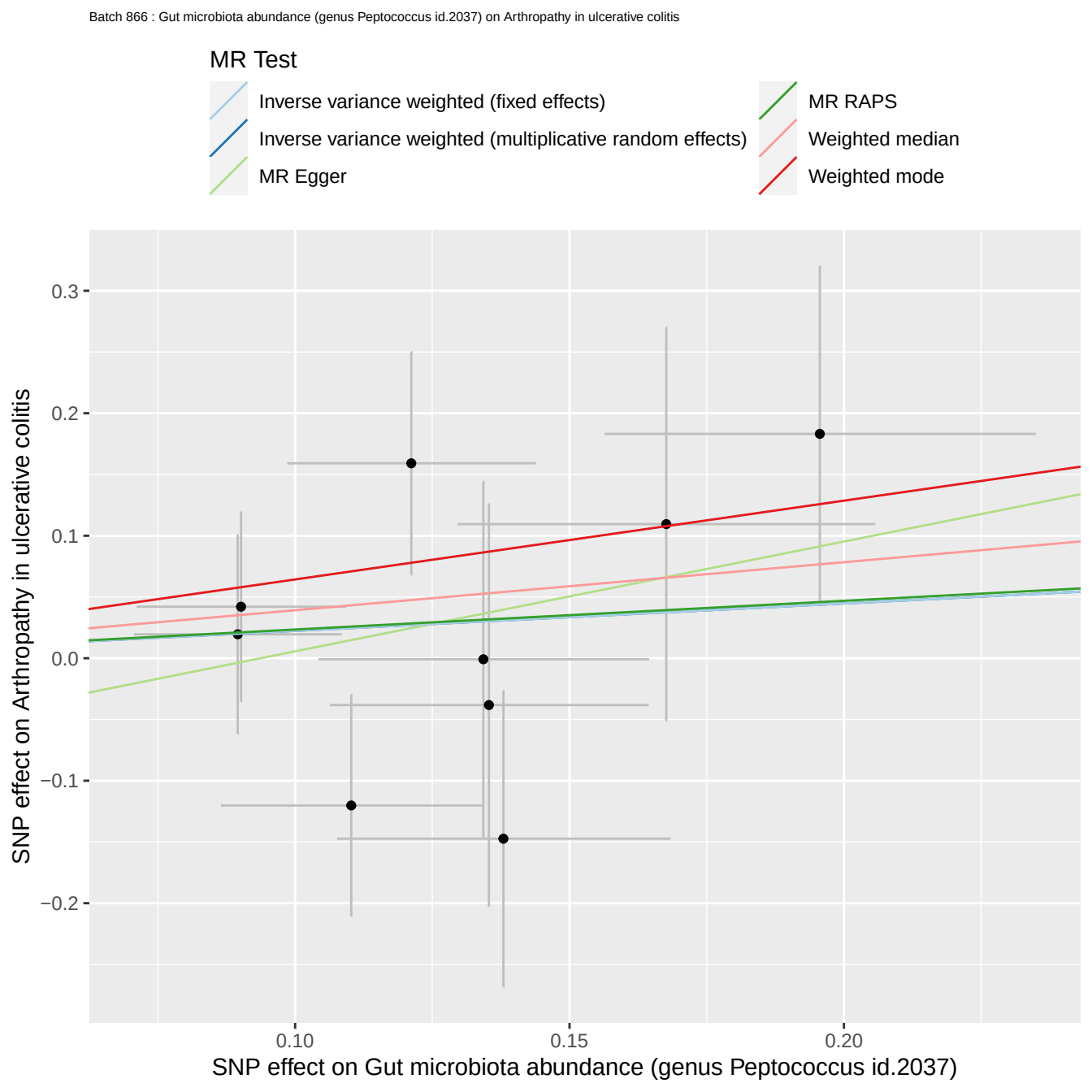
Batch 863 : Gut microbiota abundance (genus Parabacteroides id.954) on Arthropathy in ulcerative colitis

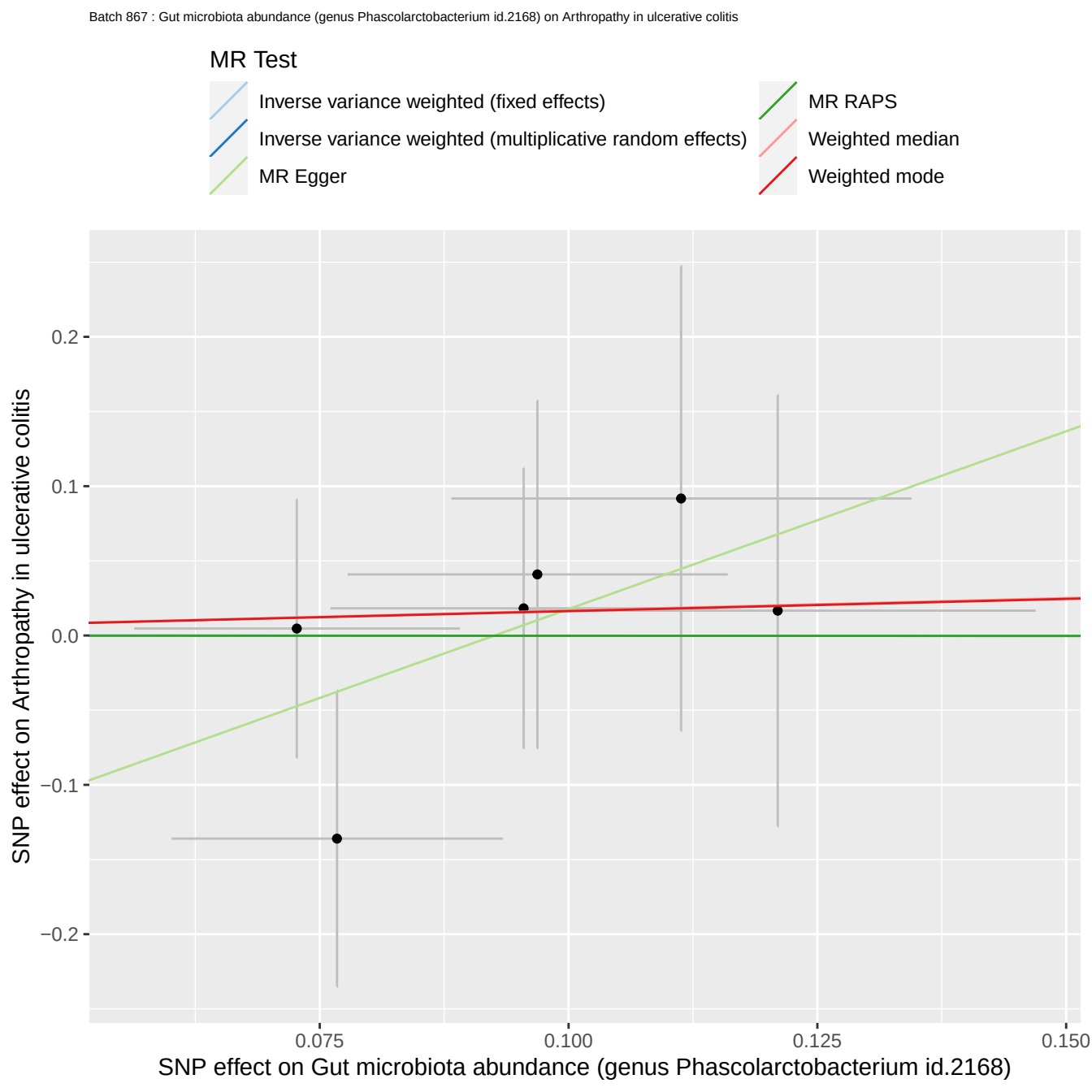


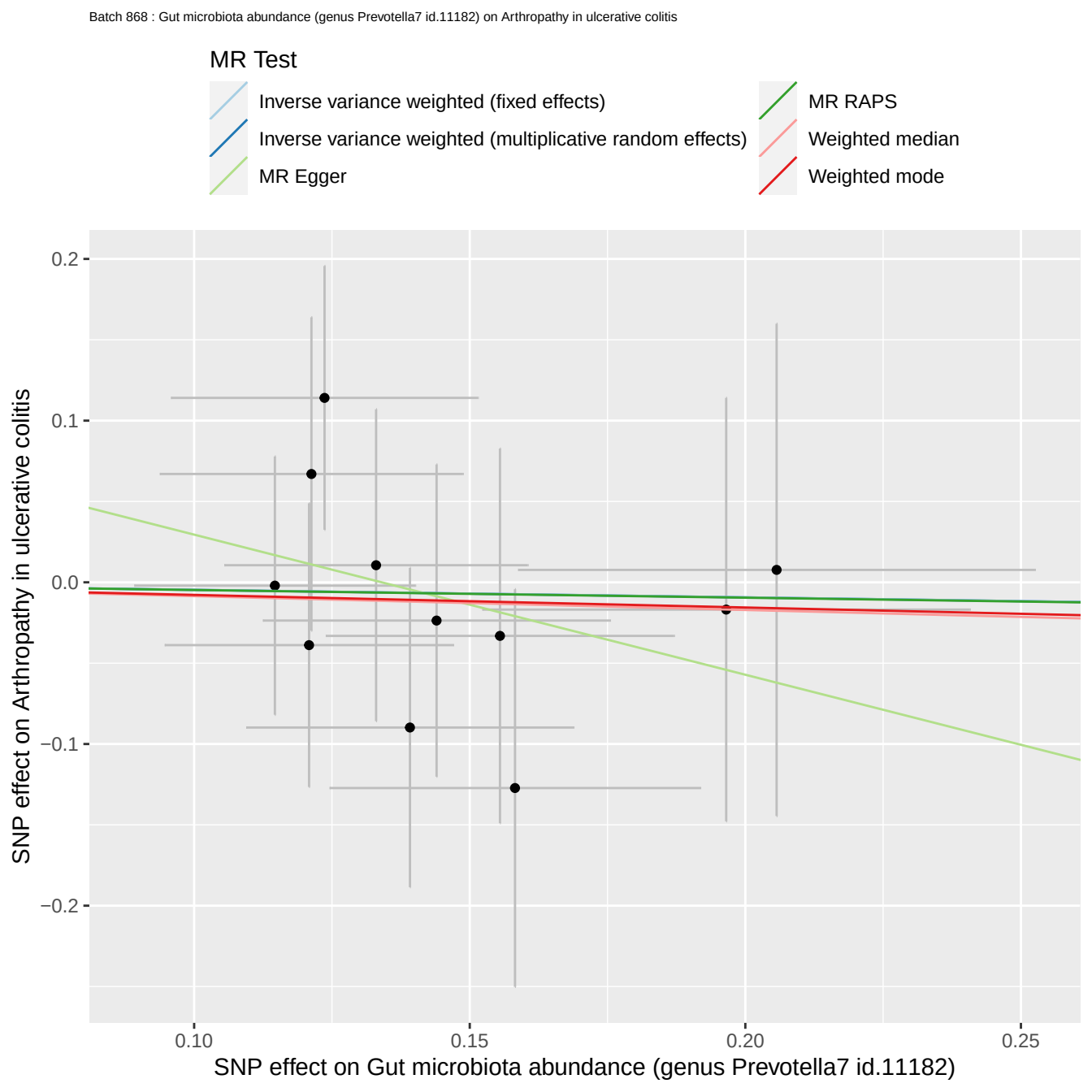

Batch 864 : Gut microbiota abundance (genus Paraprevotella id.962) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

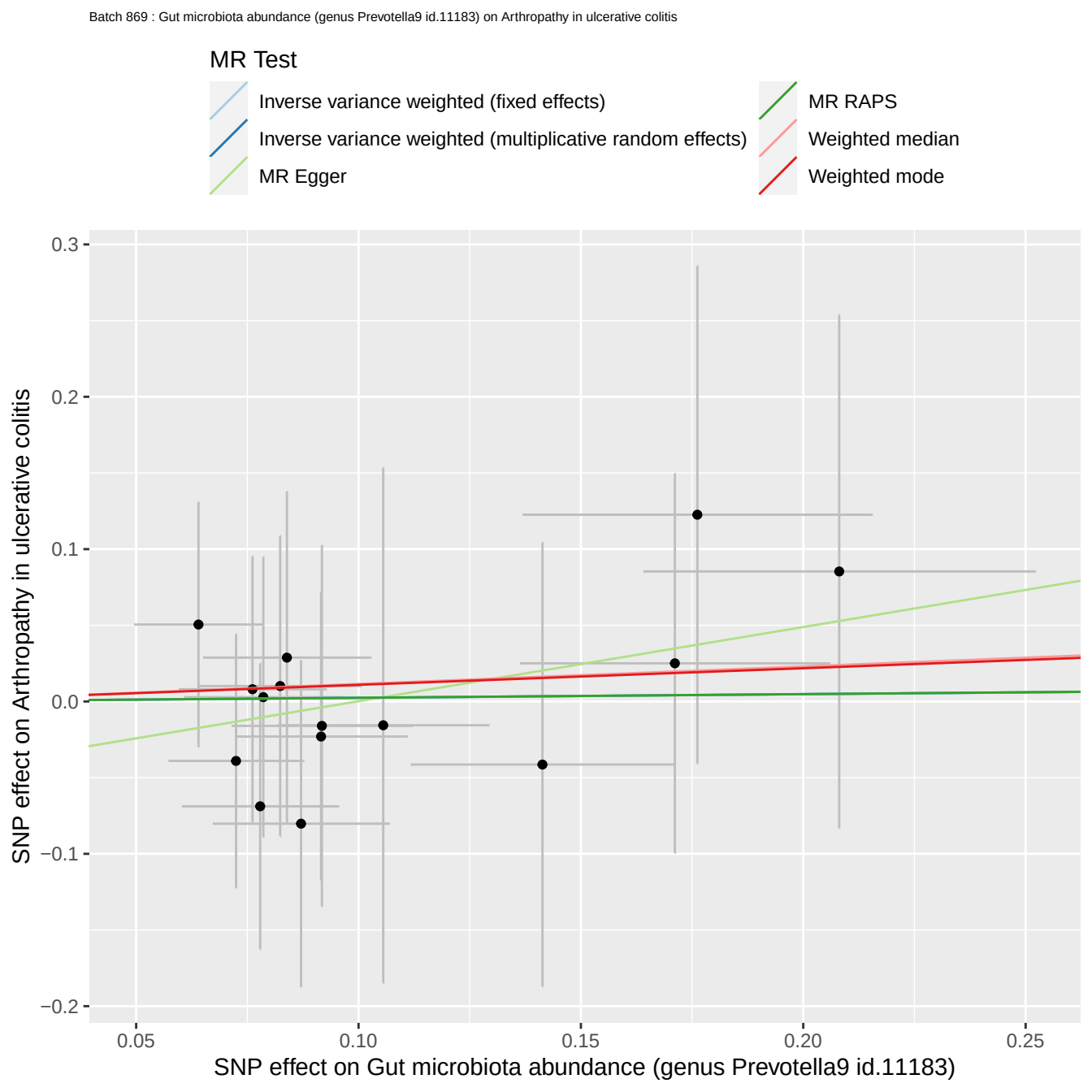
Batch 865 : Gut microbiota abundance (genus Parasutterella id.2892) on Arthropathy in ulcerative colitis



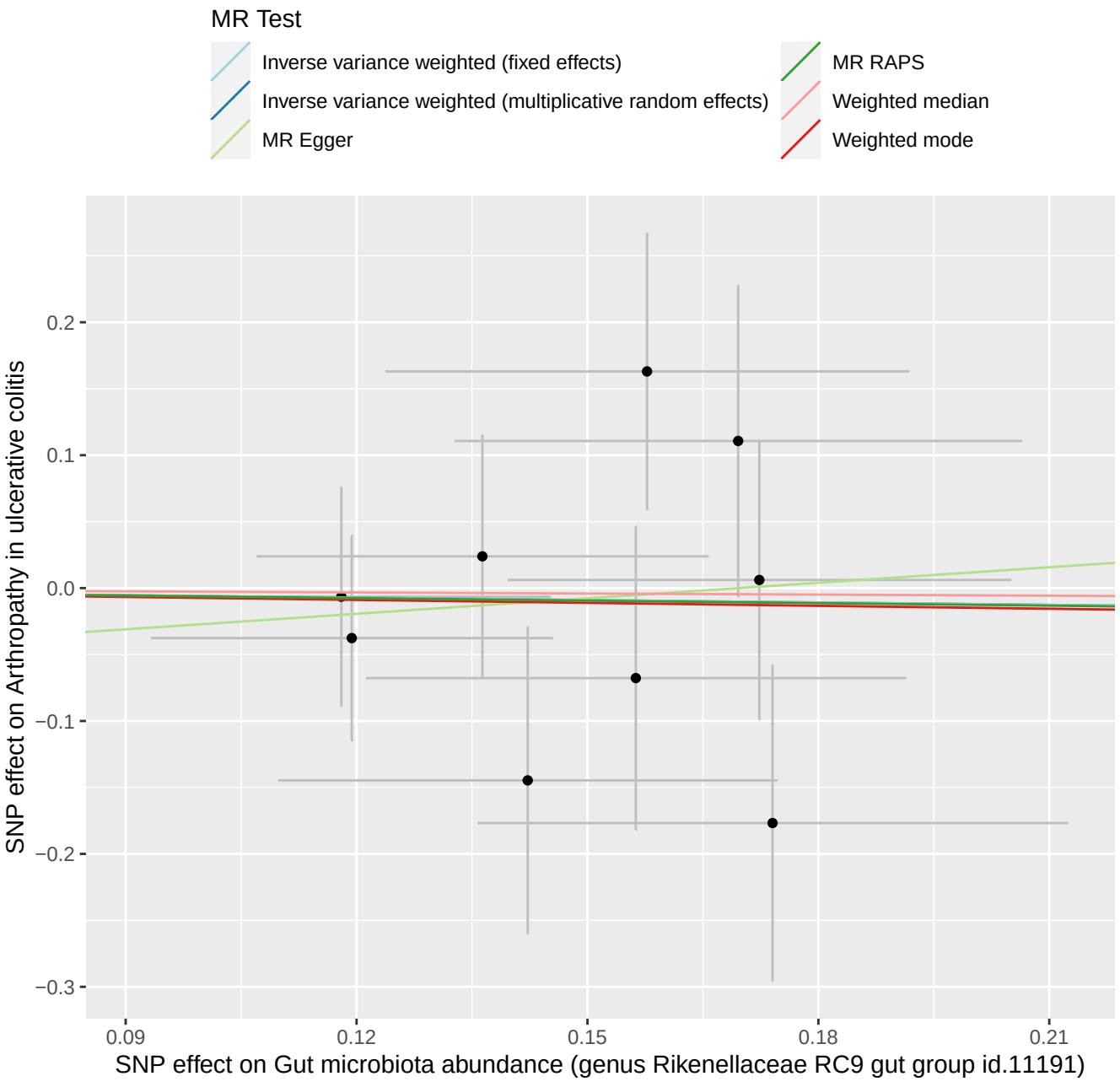

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

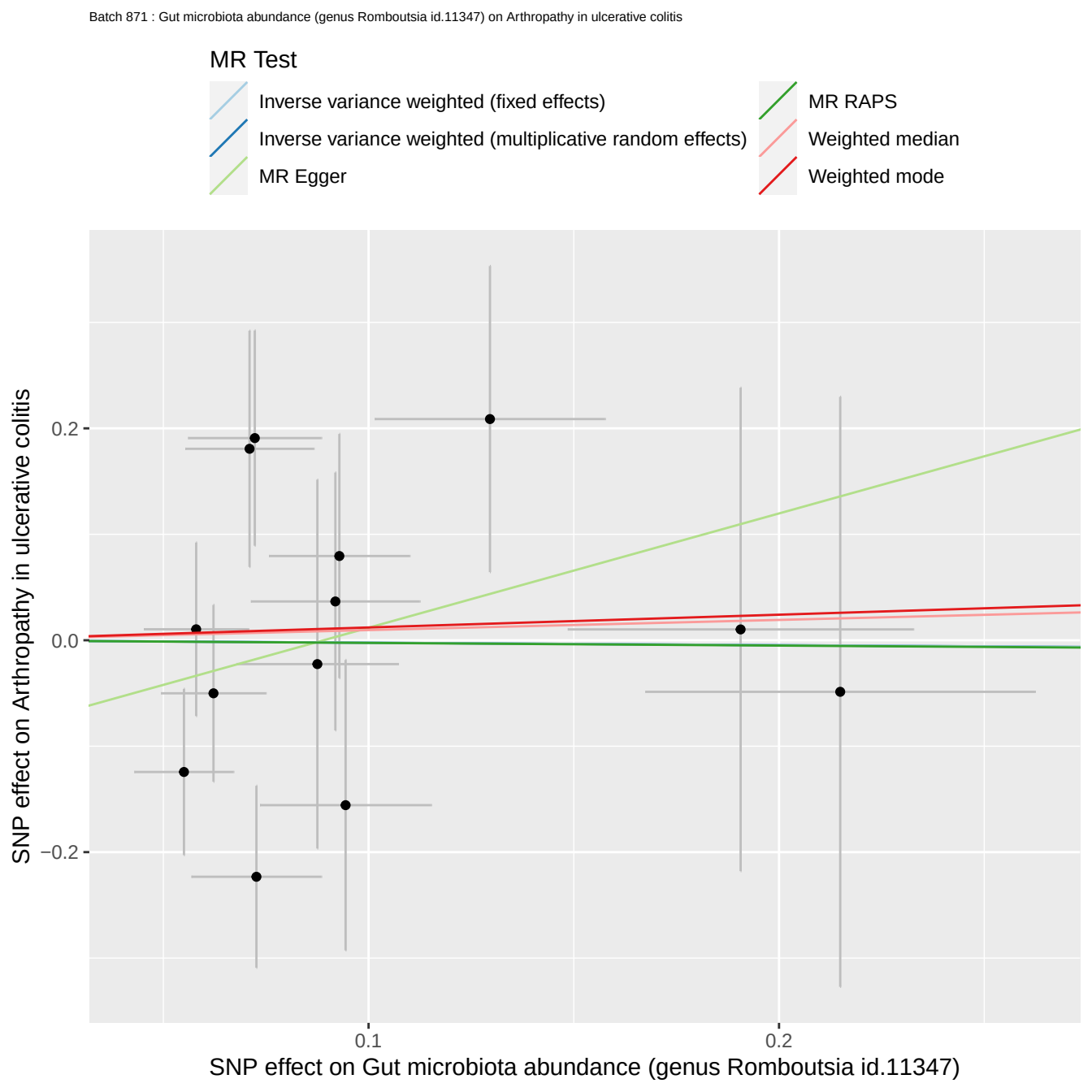

Batch 867 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)


Batch 868 : Gut microbiota abundance (genus Prevotella7 id.11182) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

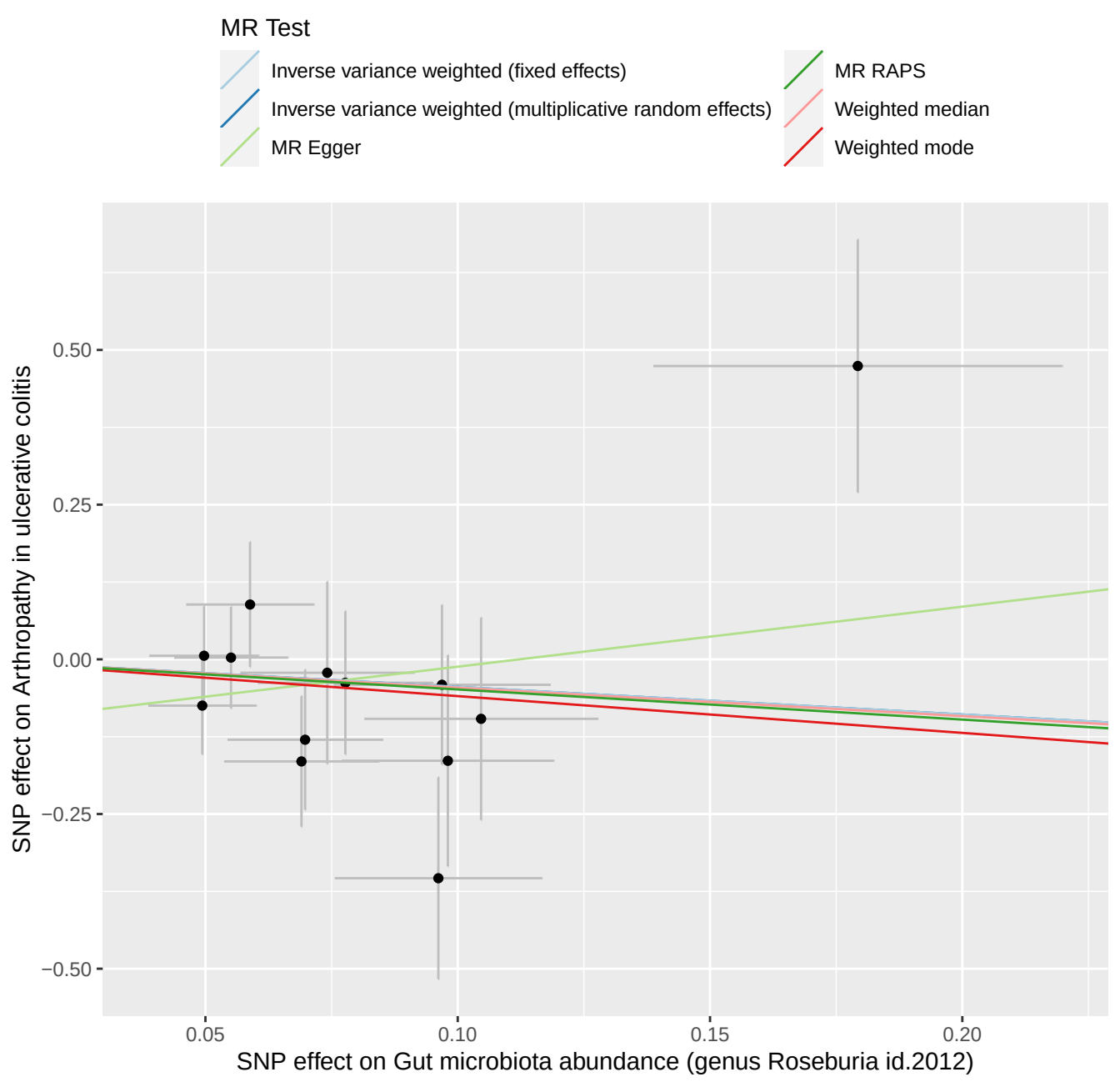

Batch 869 : Gut microbiota abundance (genus Prevotella9 id.11183) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

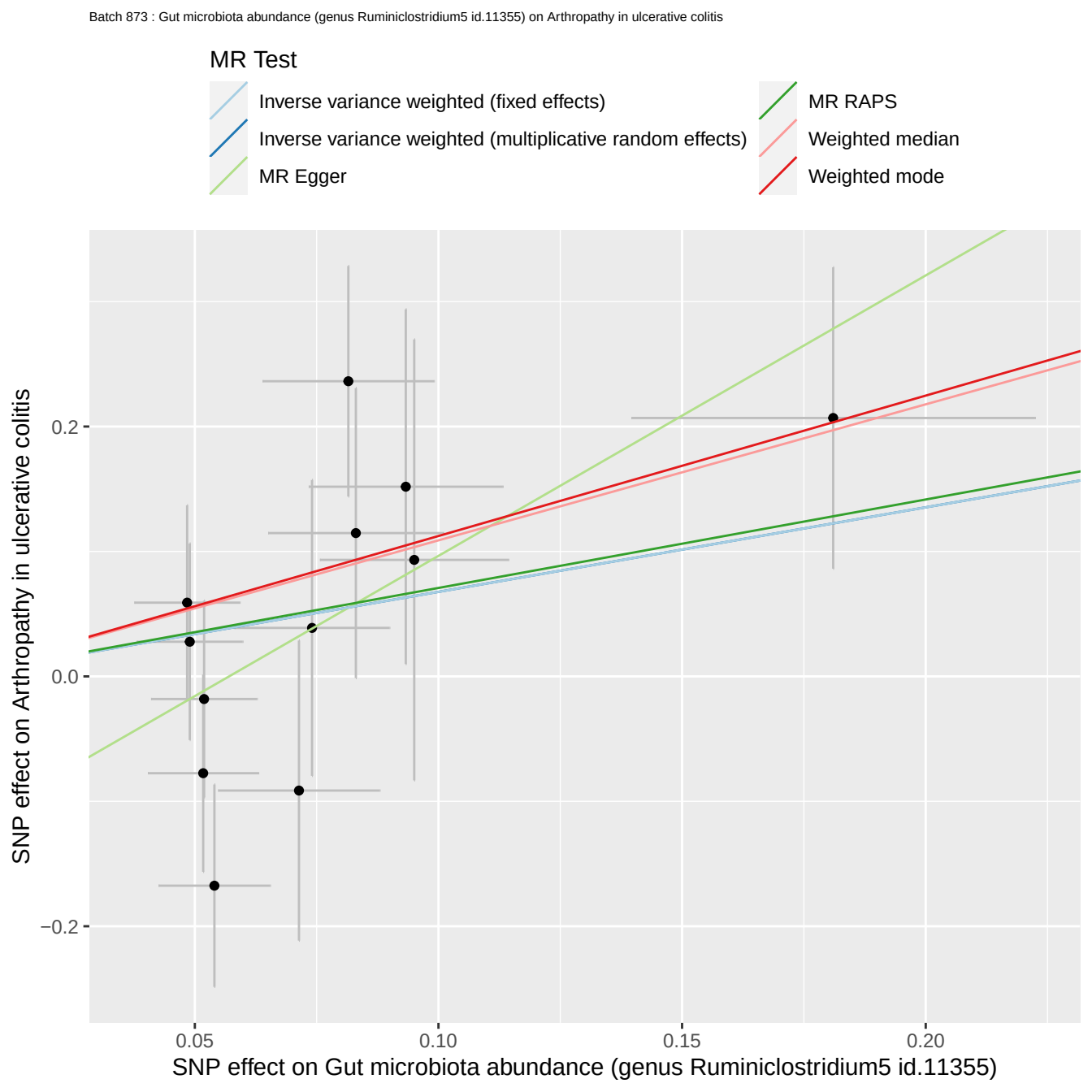
Batch 870 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Arthropathy in ulcerative colitis

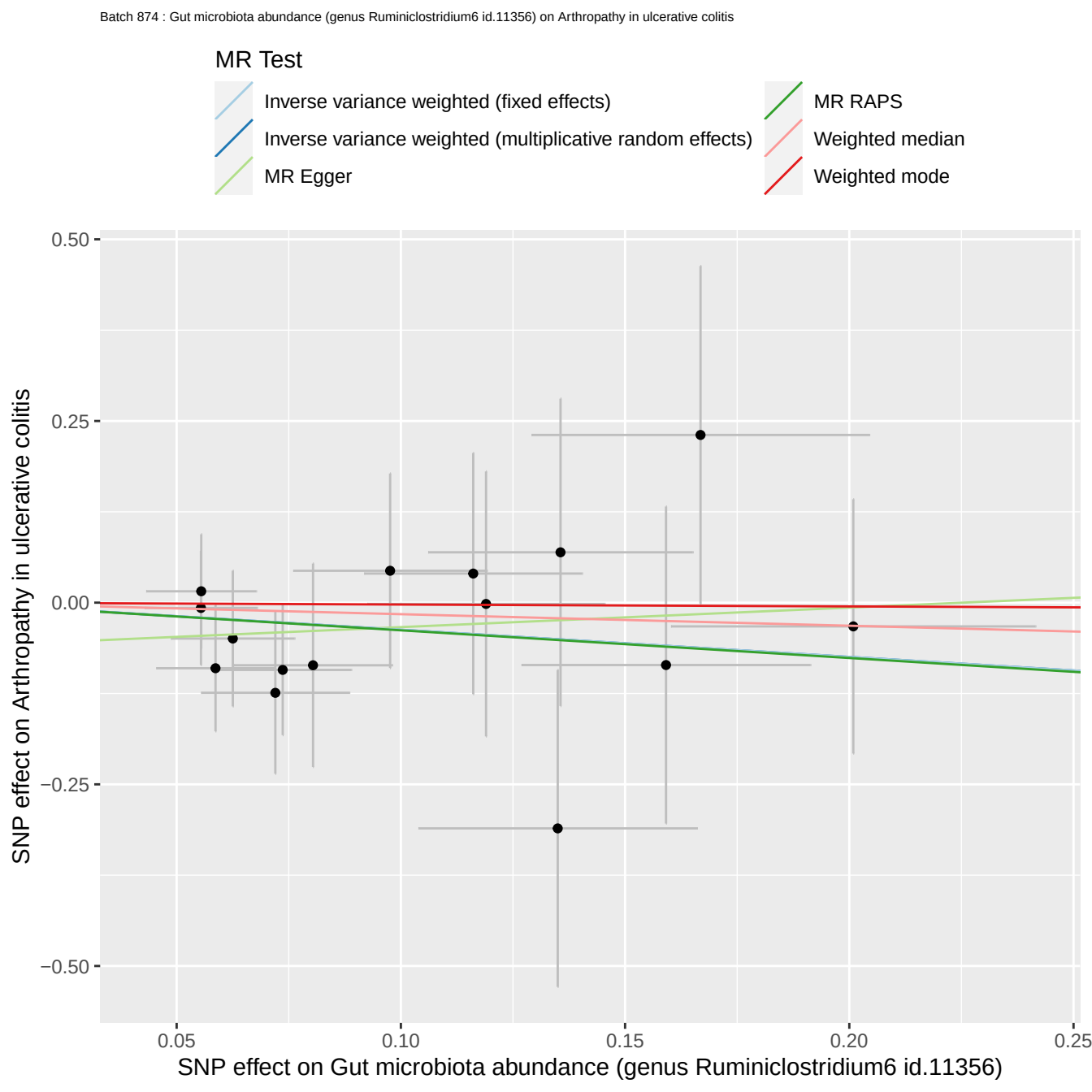



Batch 871 : Gut microbiota abundance (genus Romboutsia id.11347) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

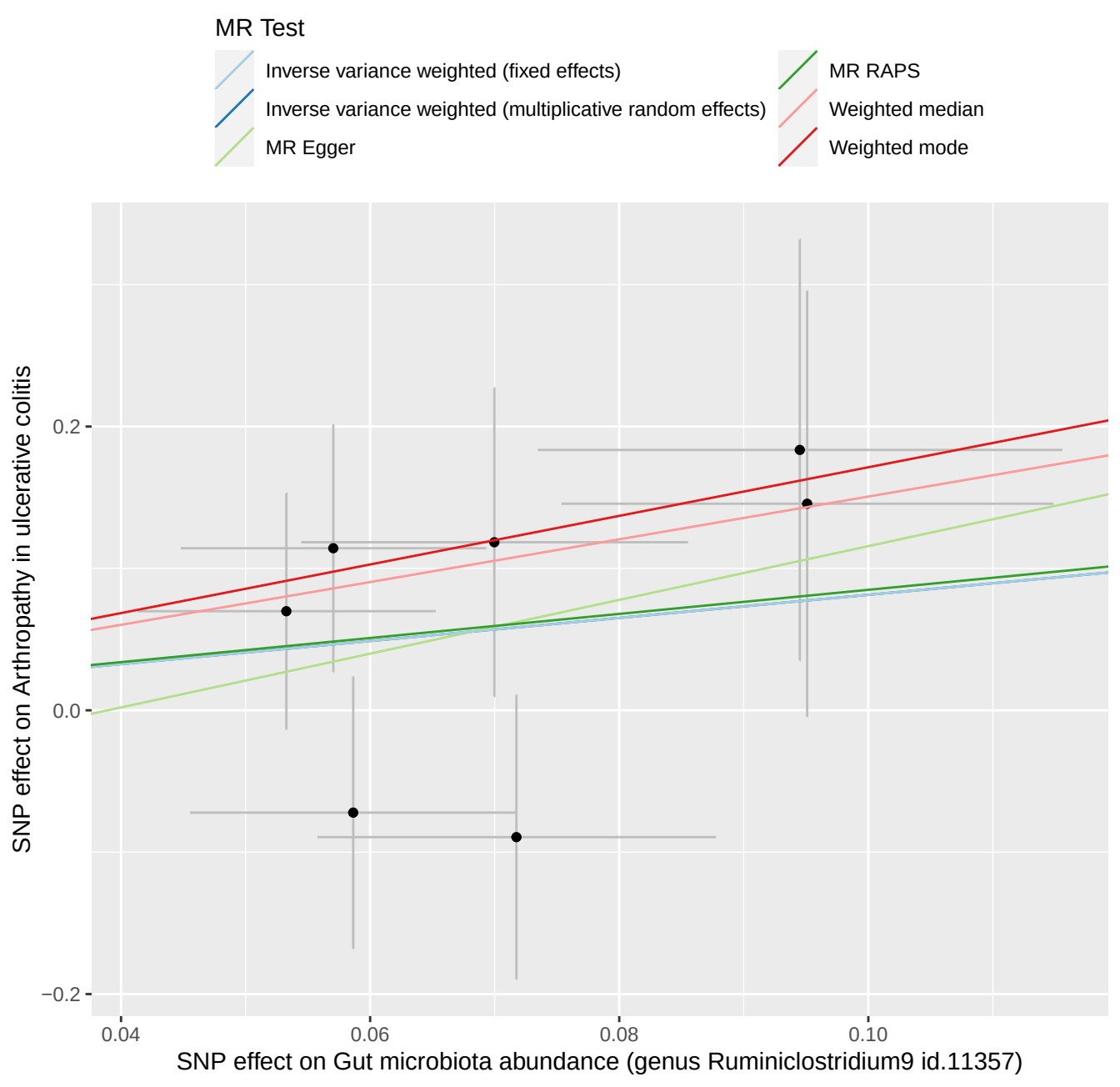
Batch 872 : Gut microbiota abundance (genus Roseburia id.2012) on Arthropathy in ulcerative colitis



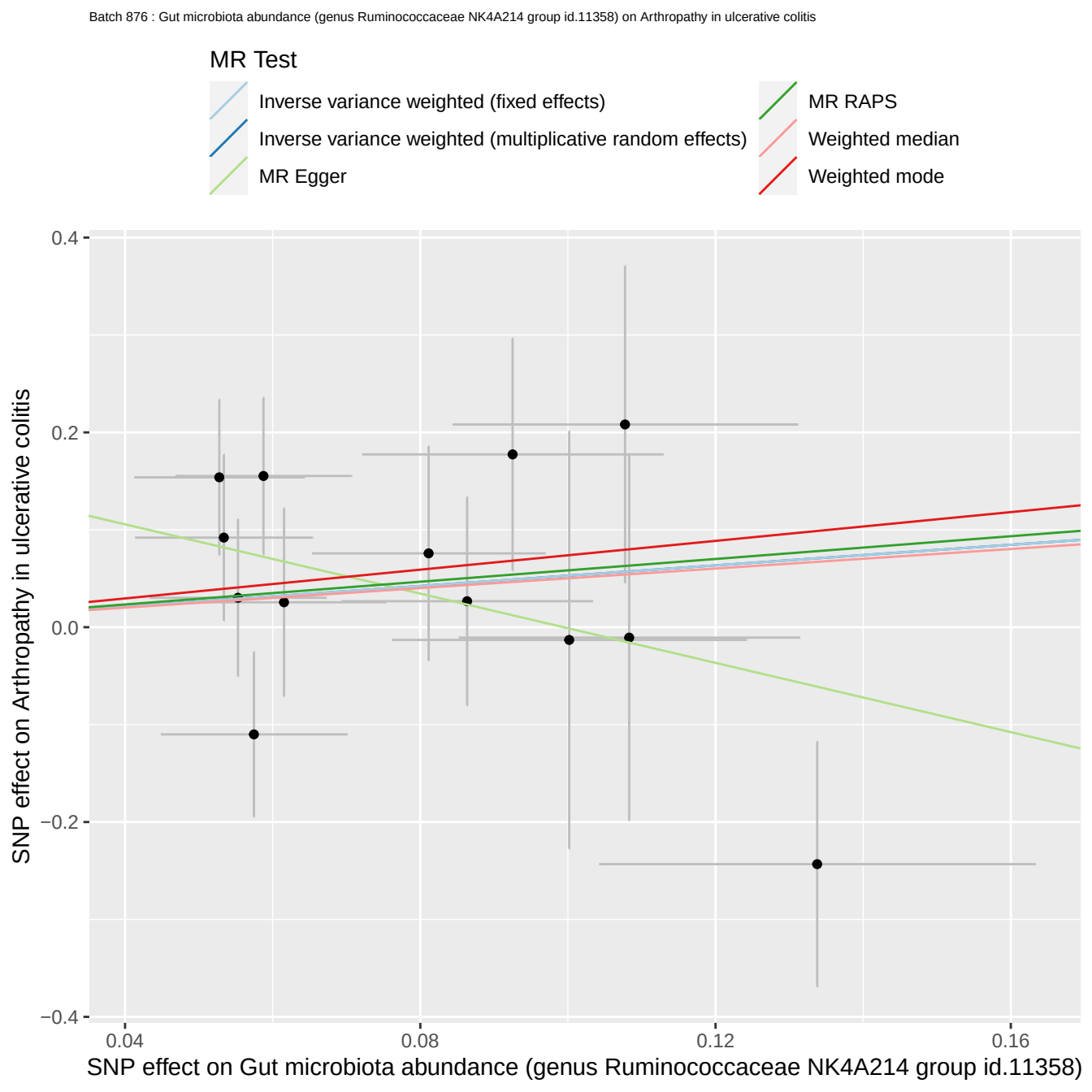

Batch 873 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

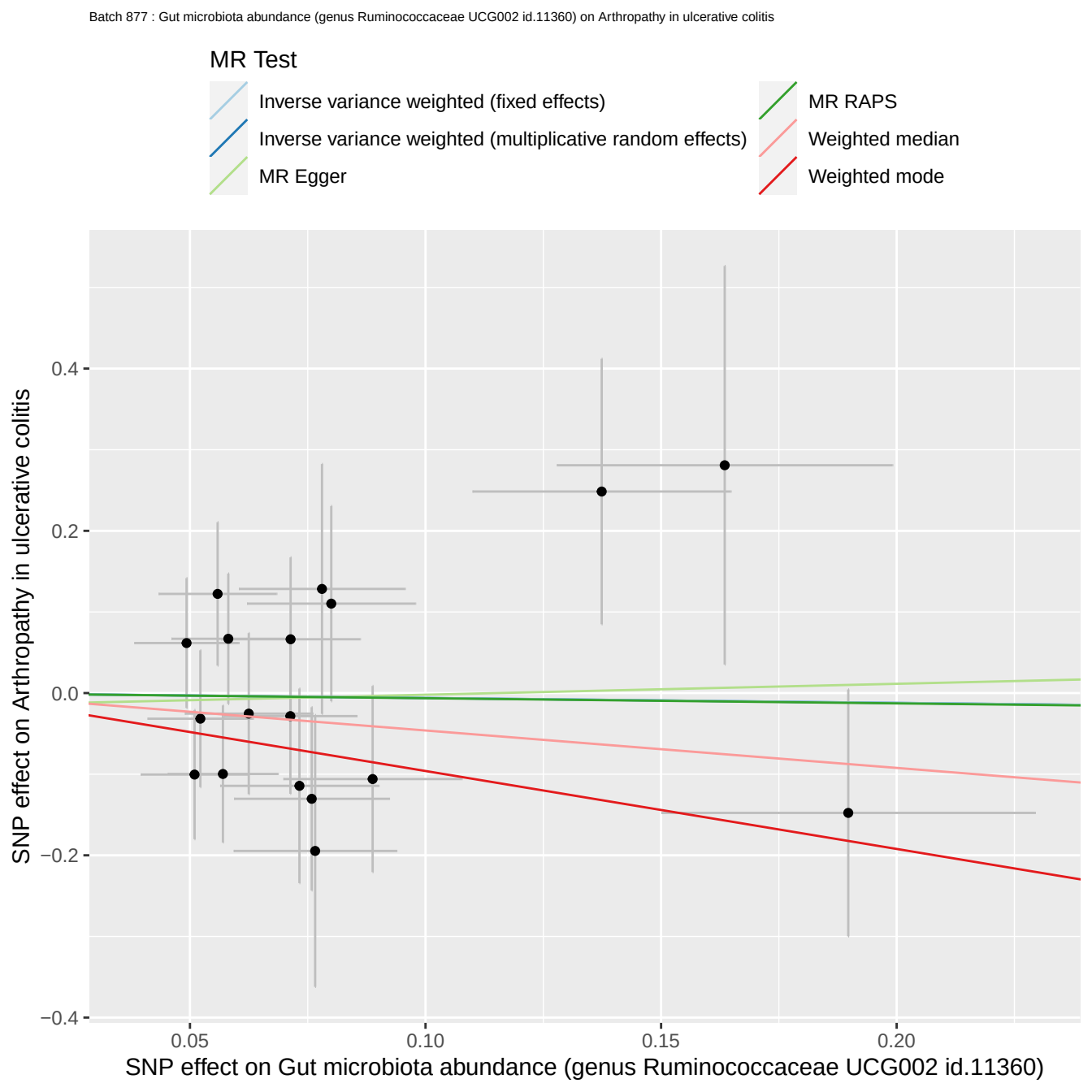

Batch 874 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.50
0.25
0.00
−0.25
−0.50
SNP effect on Arthropathy in ulcerative colitis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

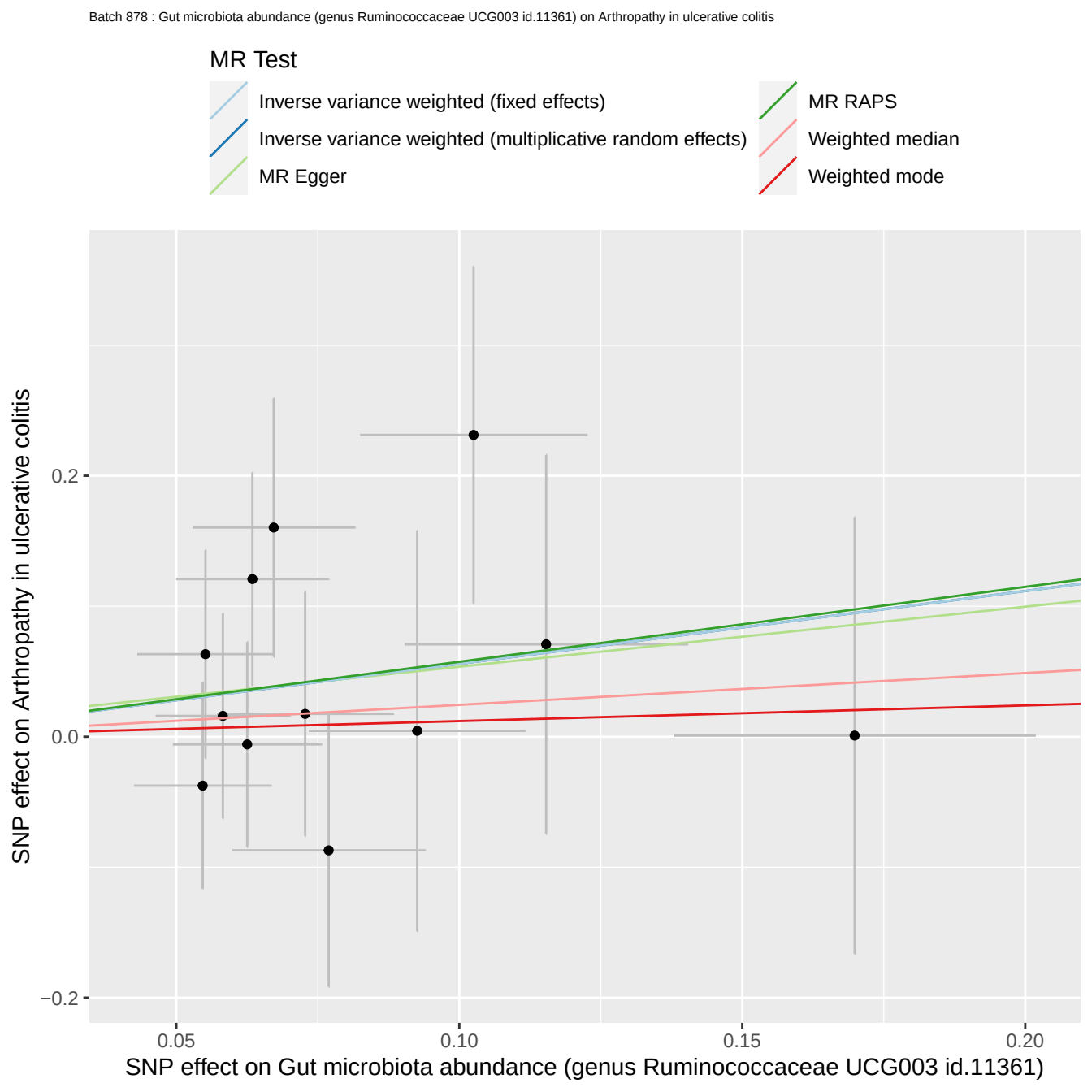
Batch 875 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Arthropathy in ulcerative colitis

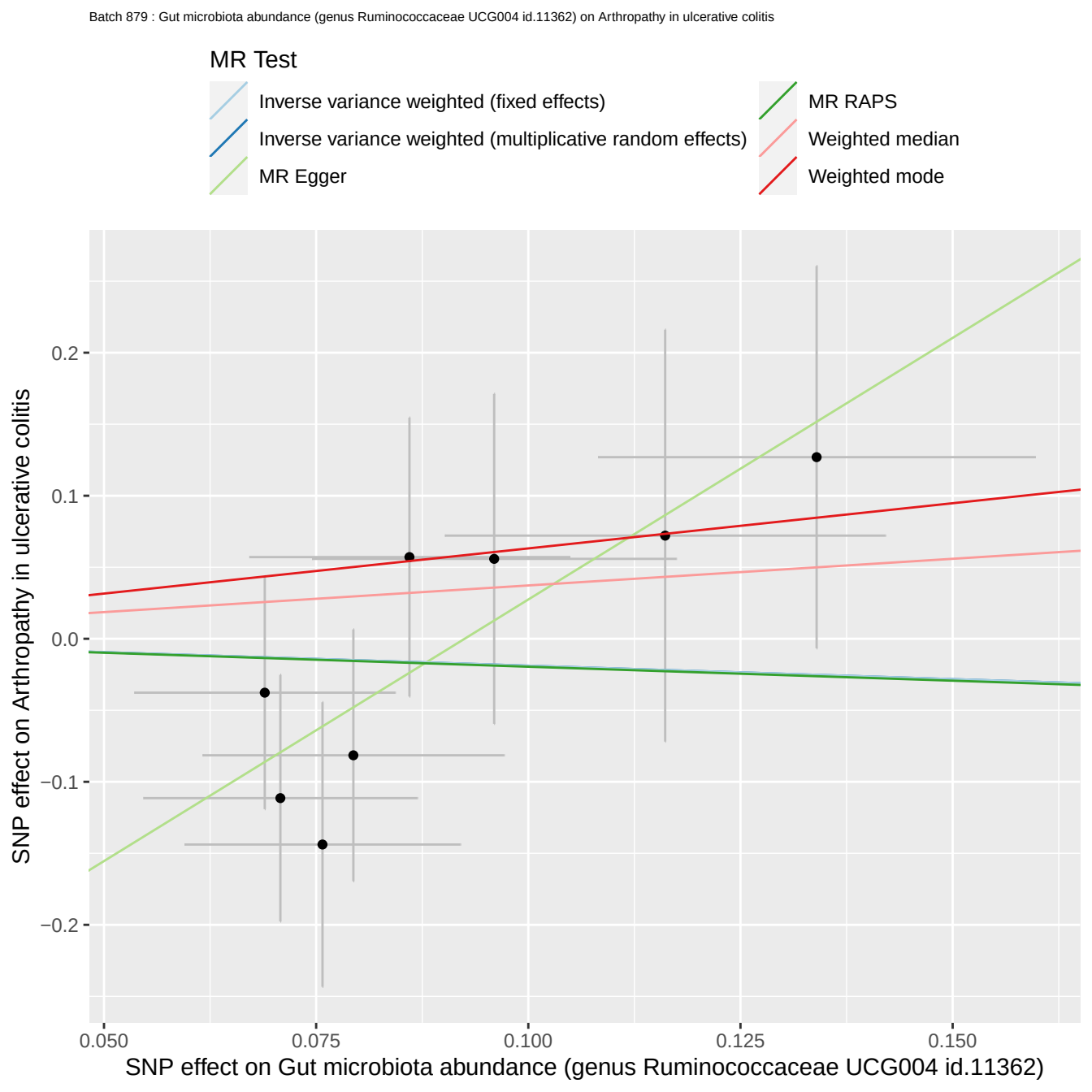


Batch 876 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Arthropathy in ulcerative colitis

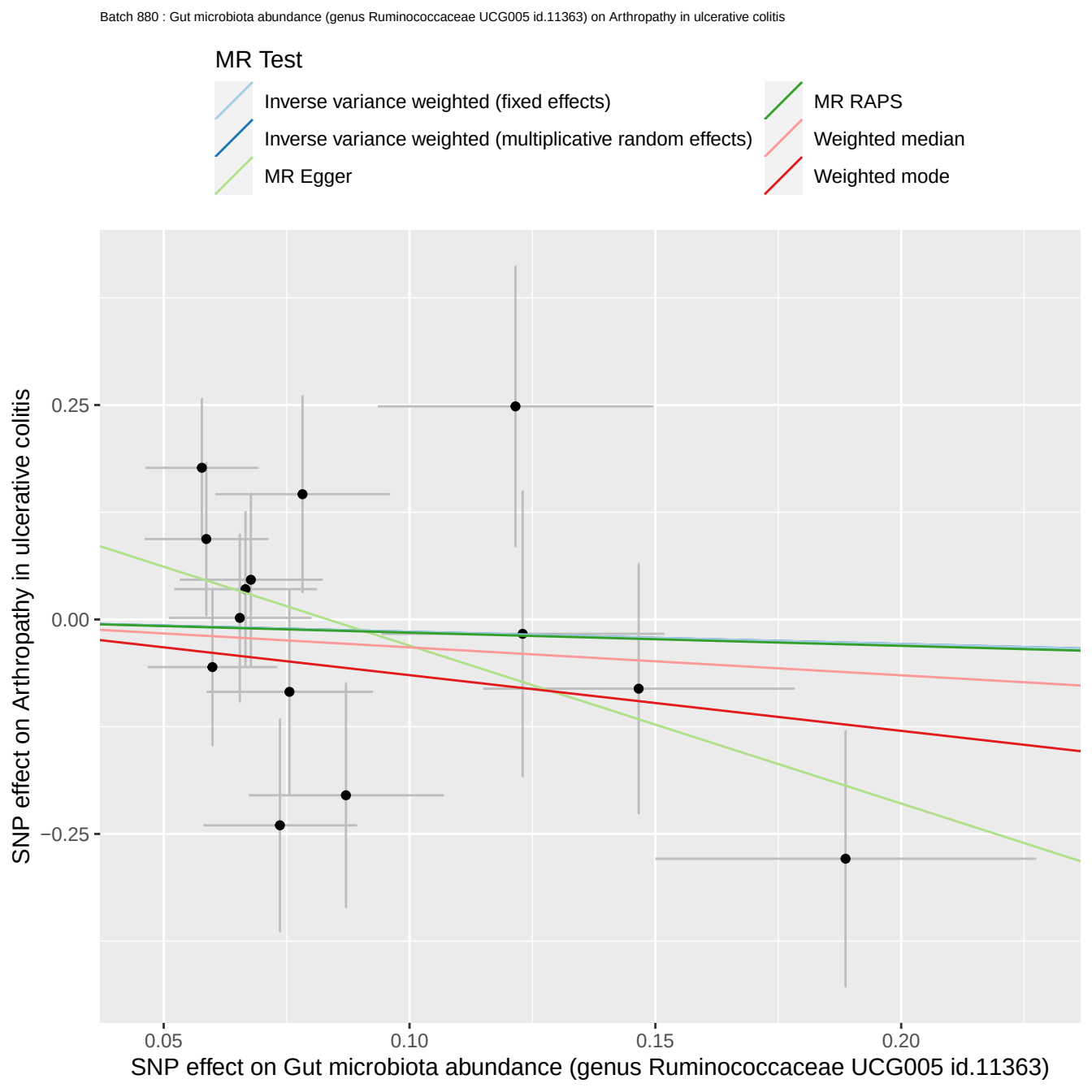


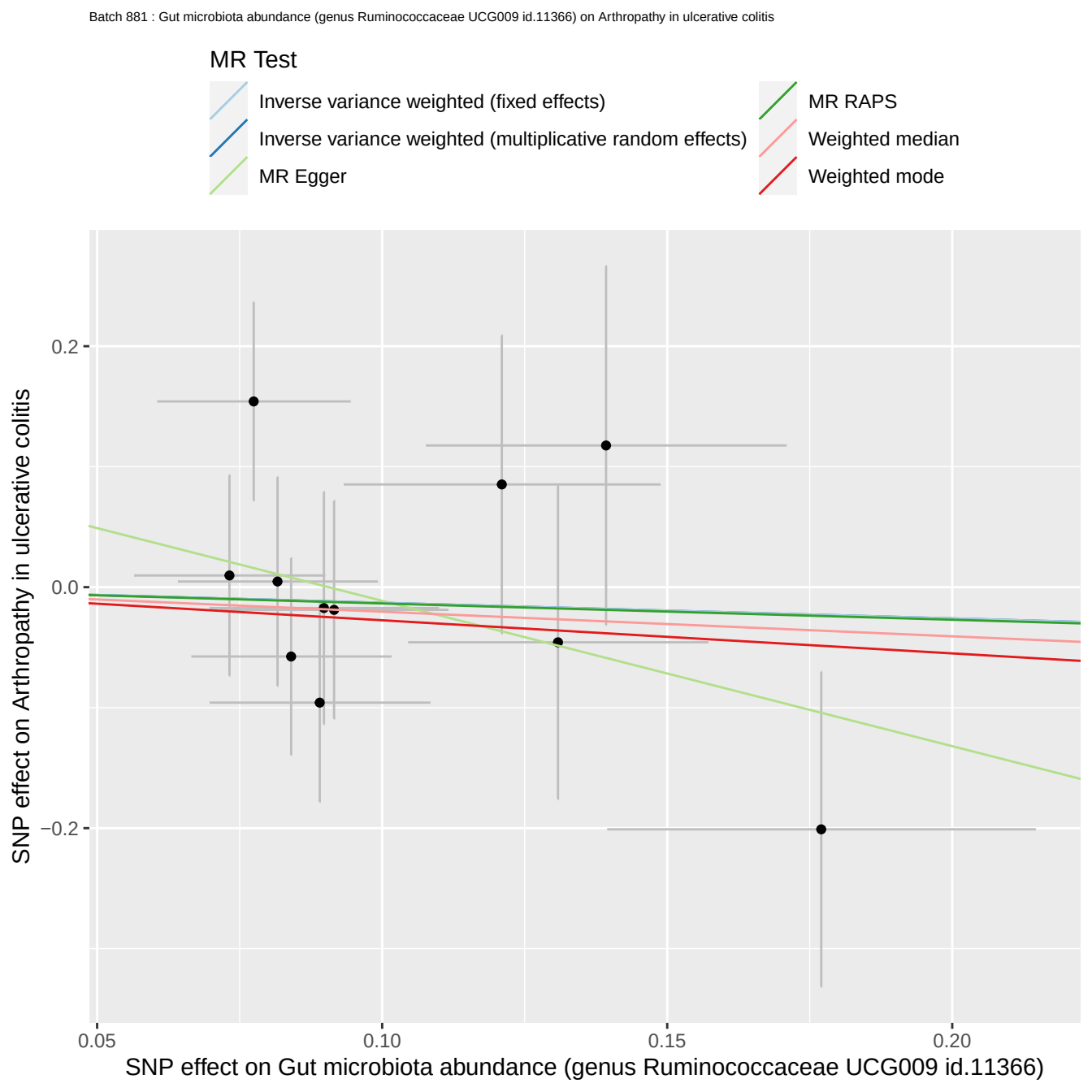

Batch 877 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

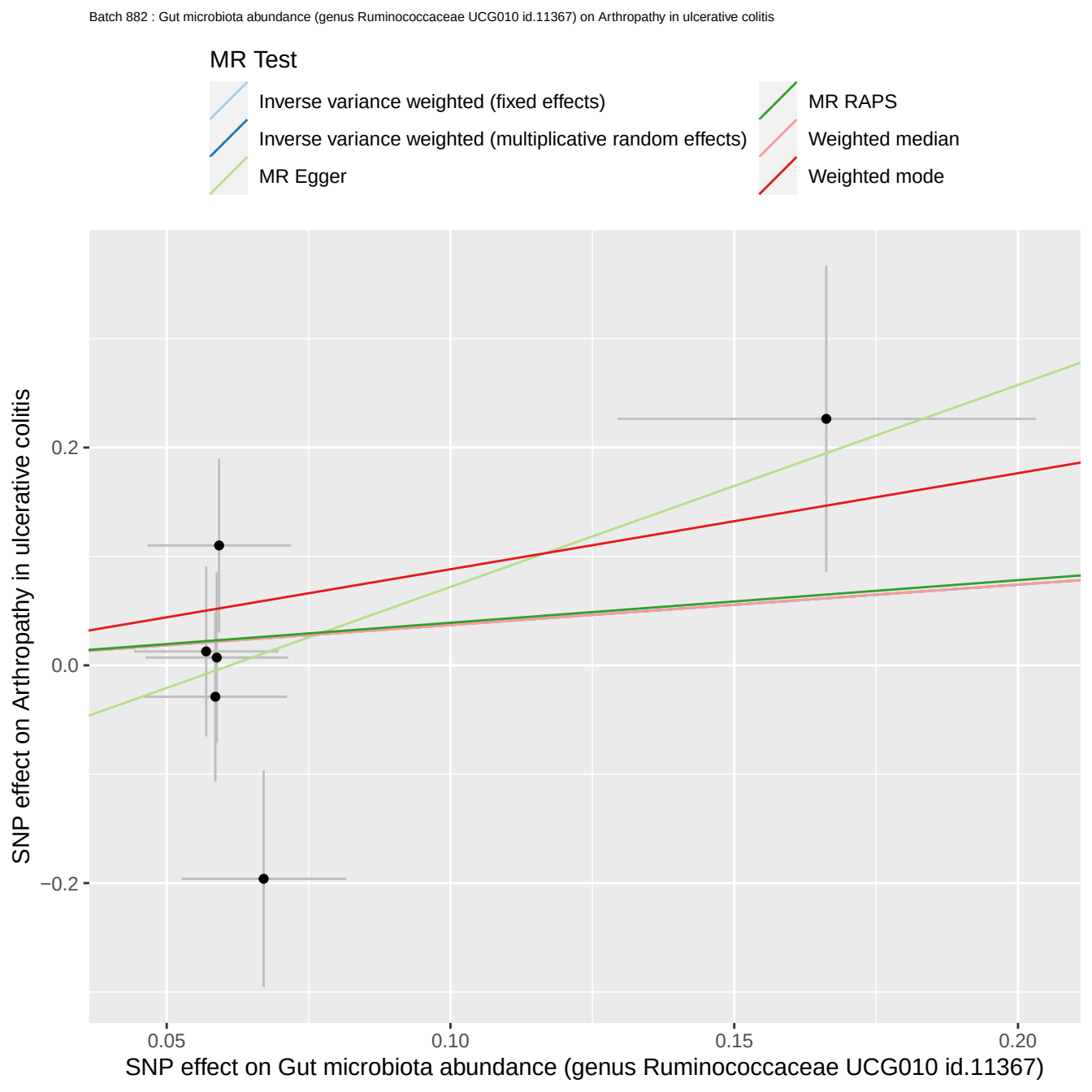

Batch 878 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

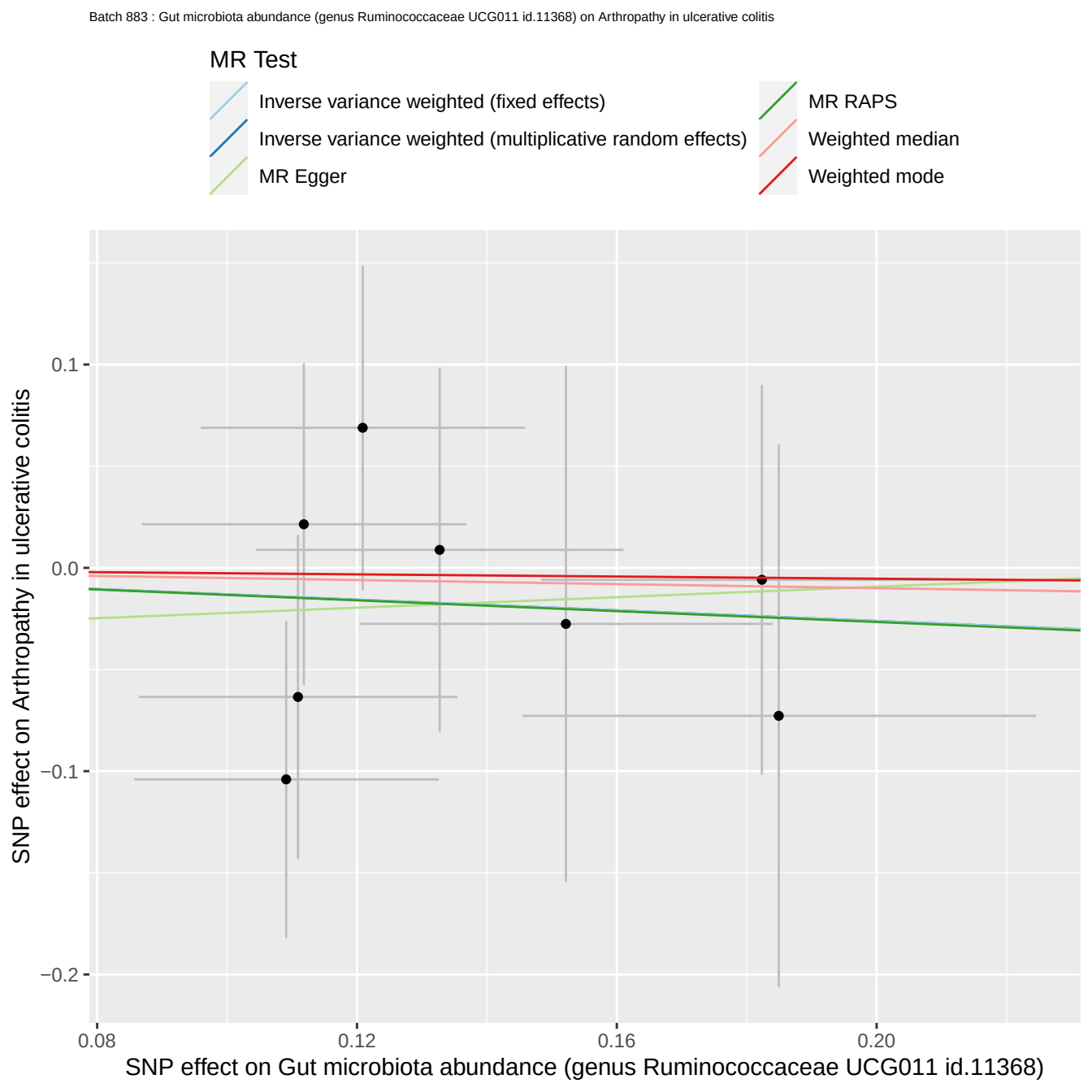

Batch 879 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

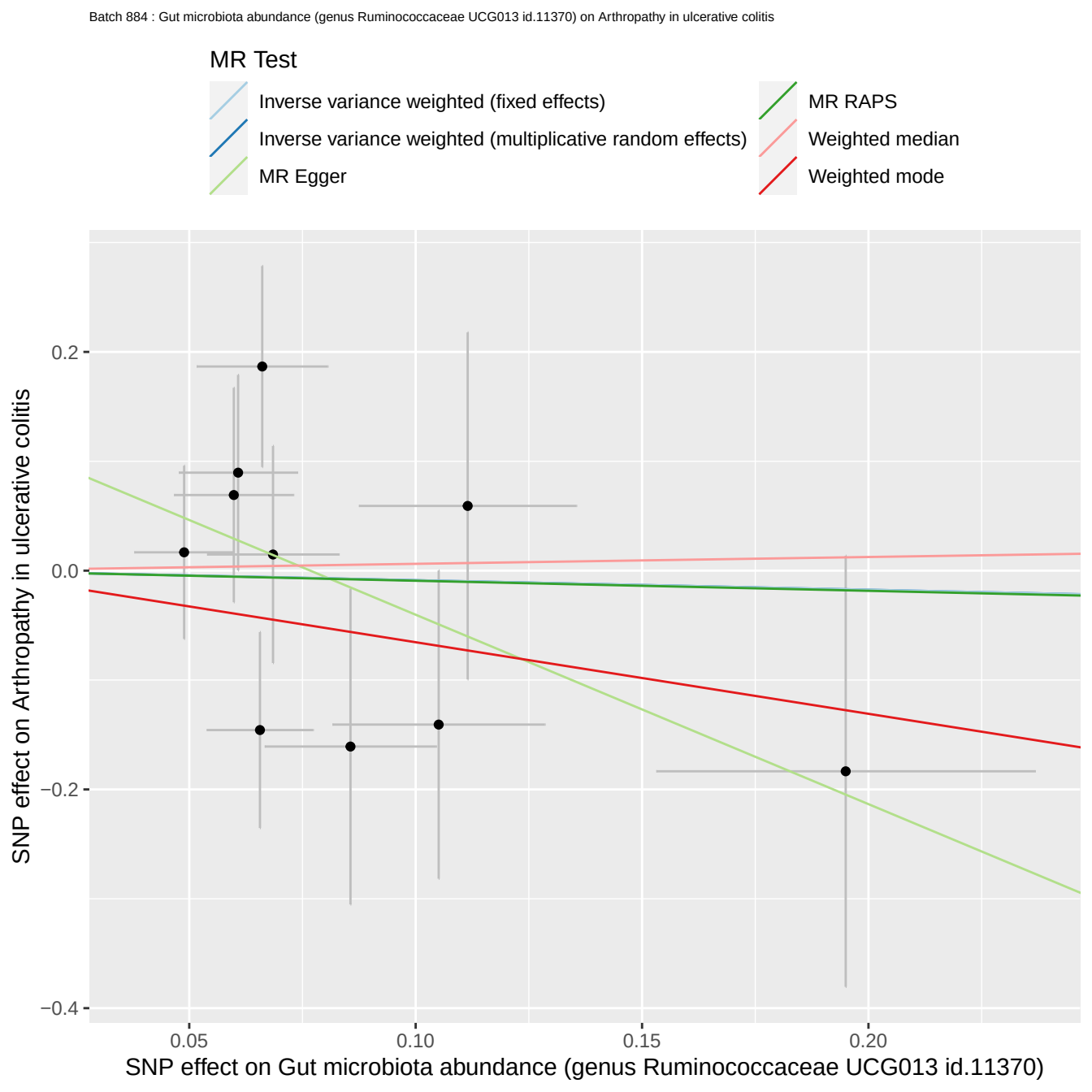
Batch 880 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Arthropathy in ulcerative colitis

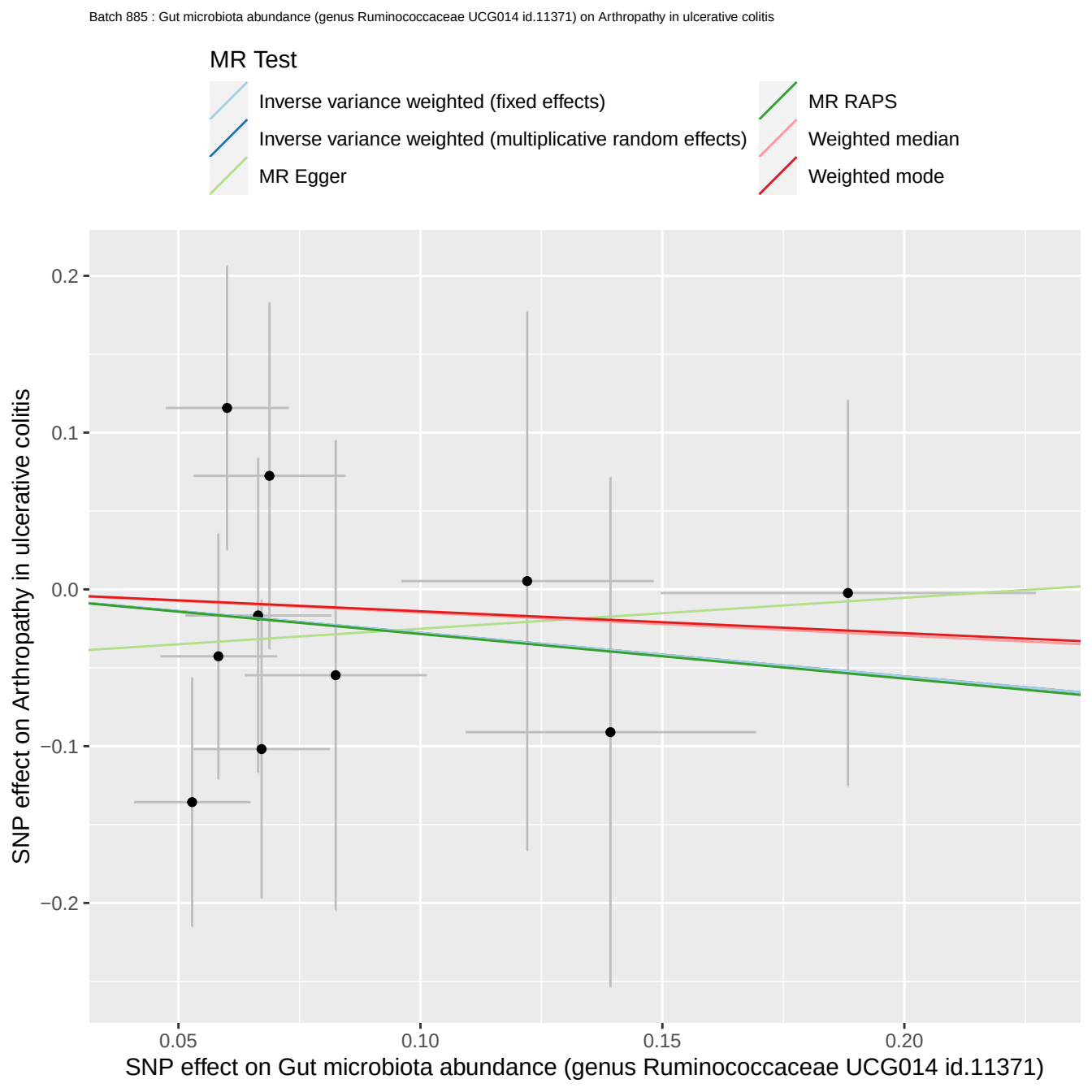


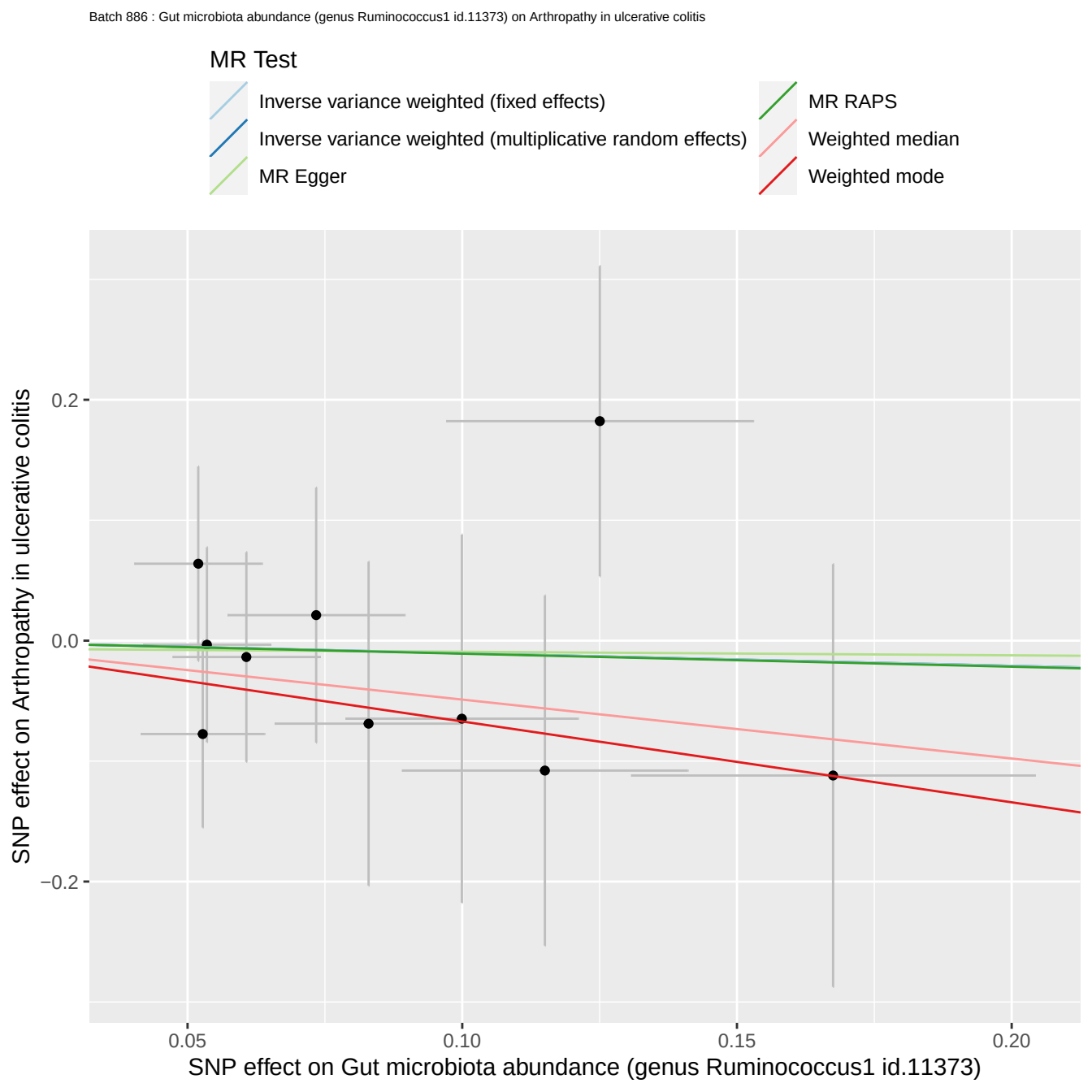

Batch 881 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

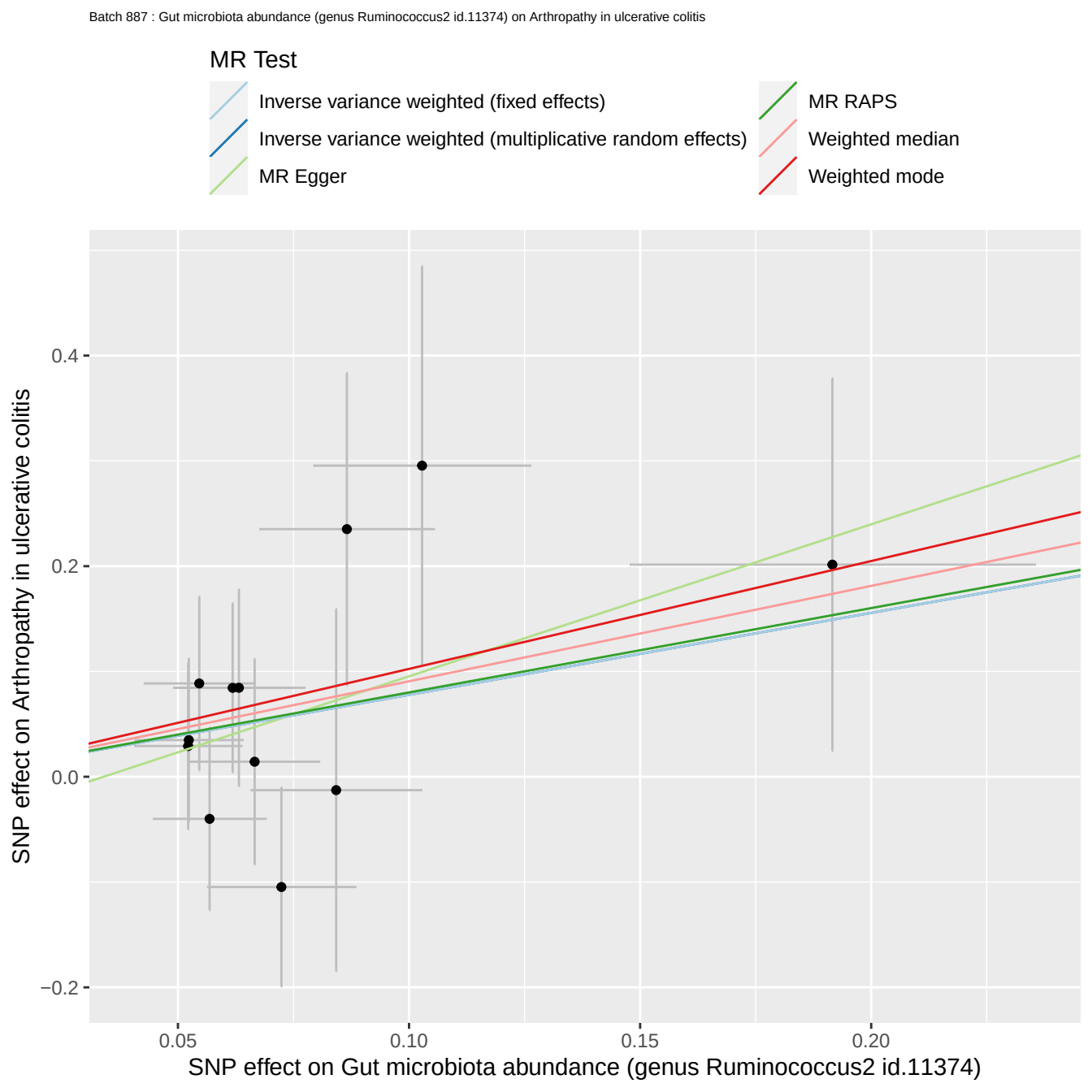

Batch 882 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

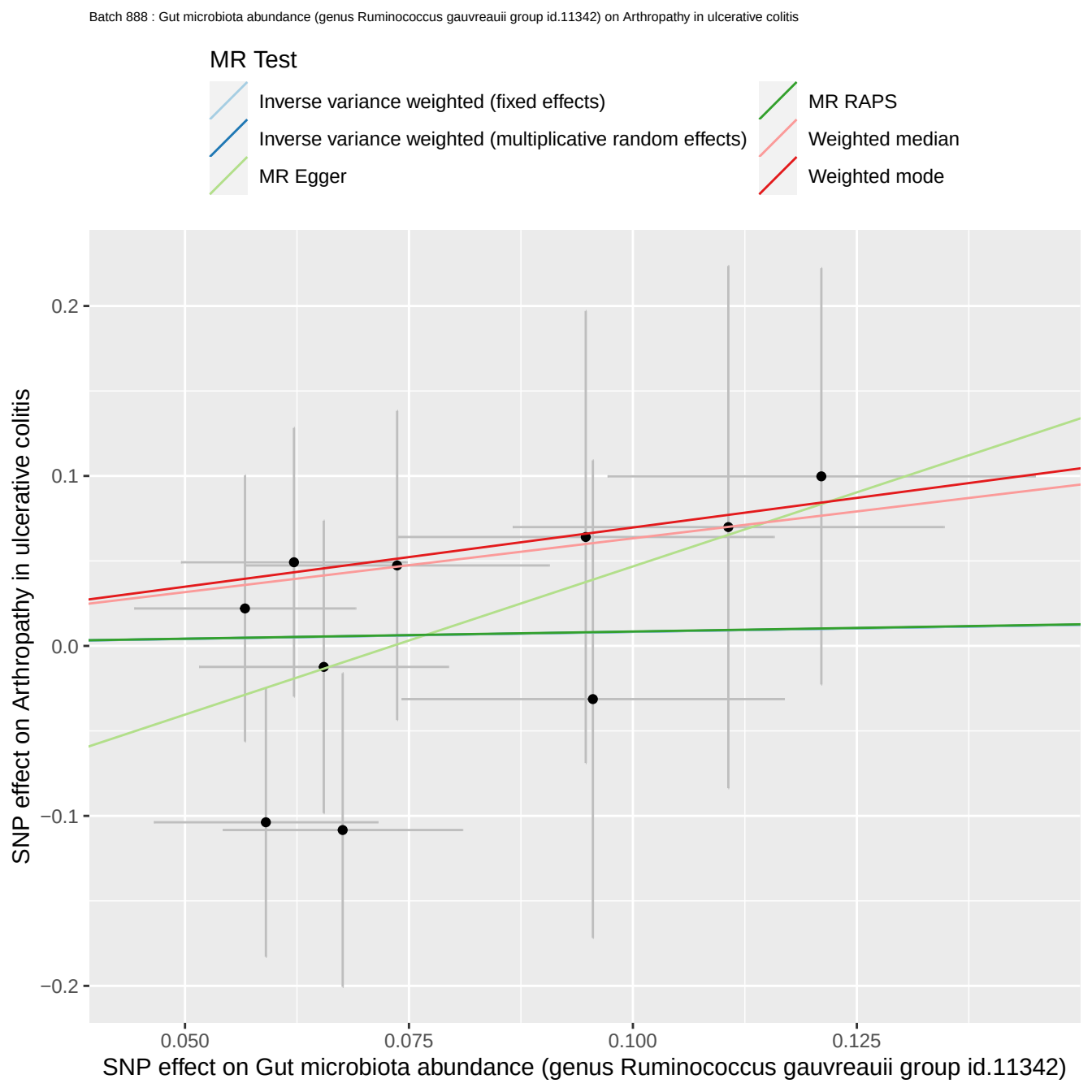

Batch 883 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)


Batch 884 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)

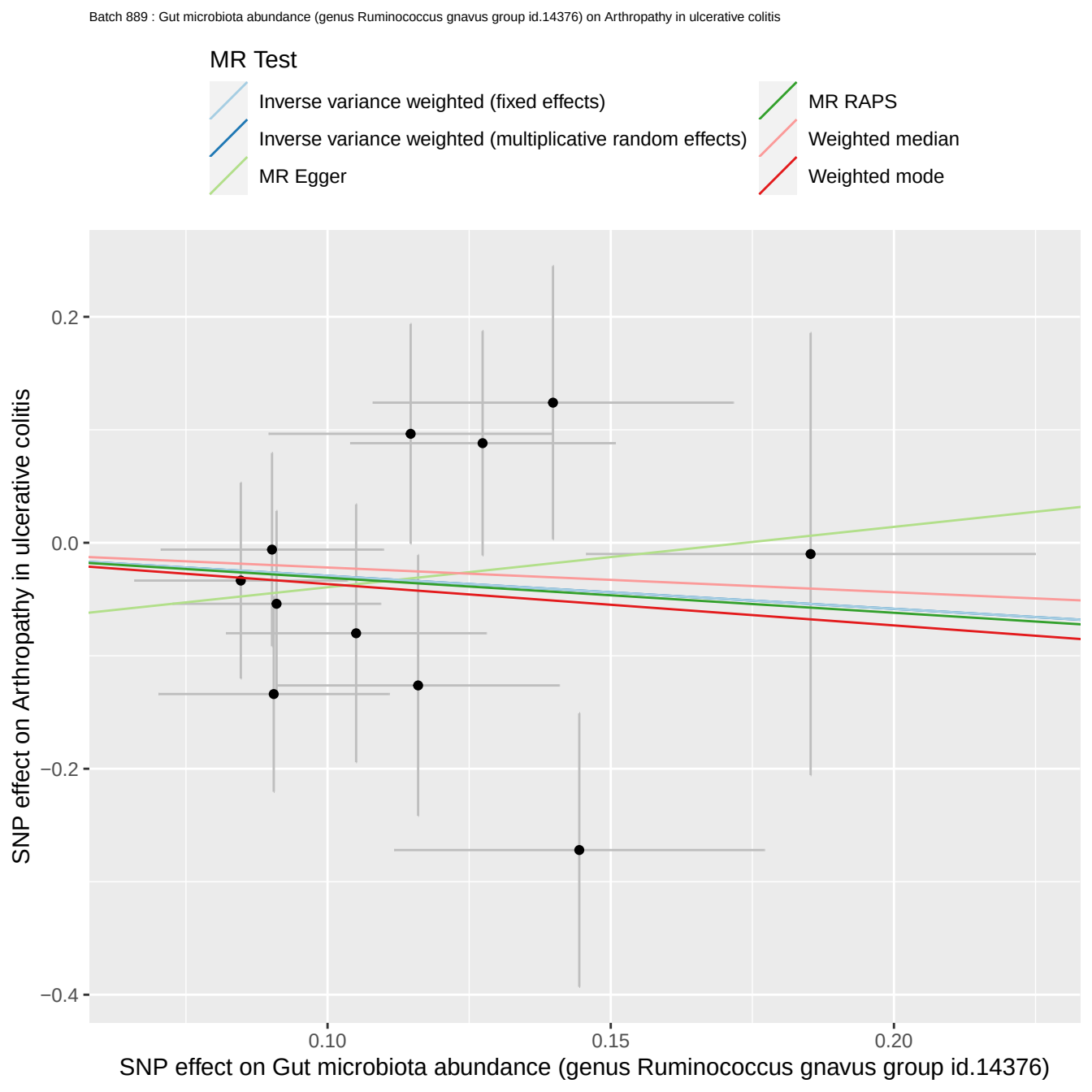

Batch 885 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

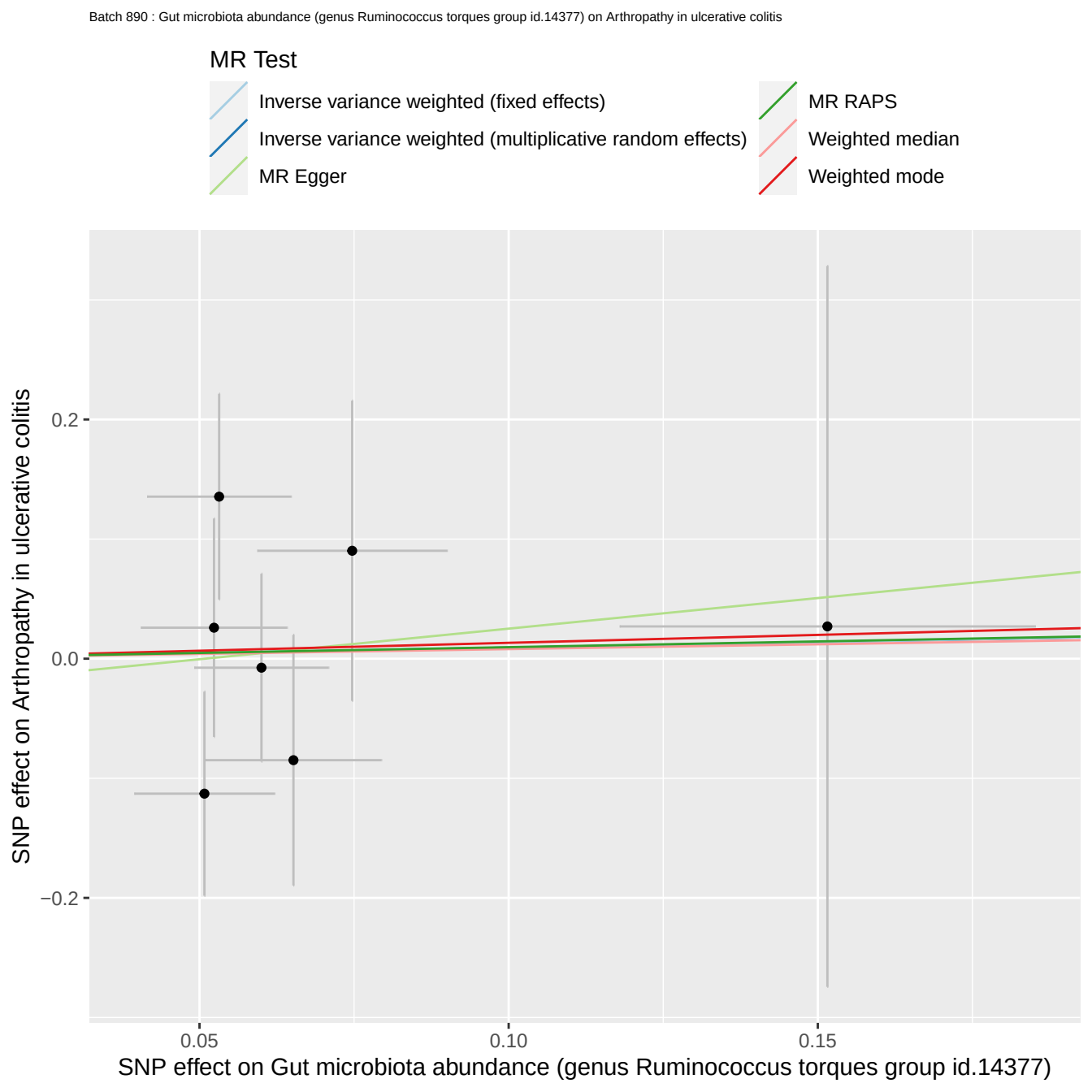

Batch 886 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)


Batch 887 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

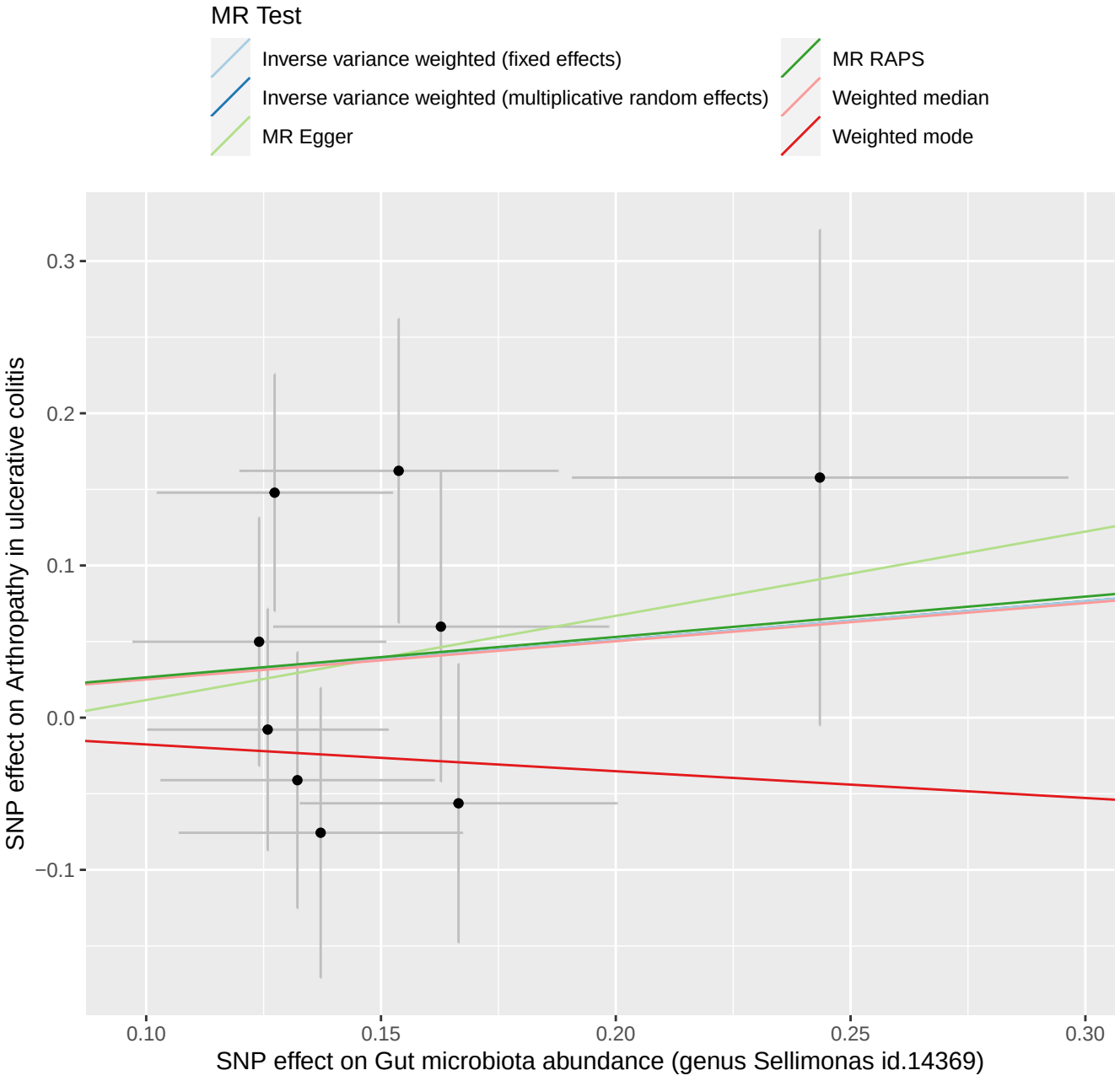

Batch 888 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

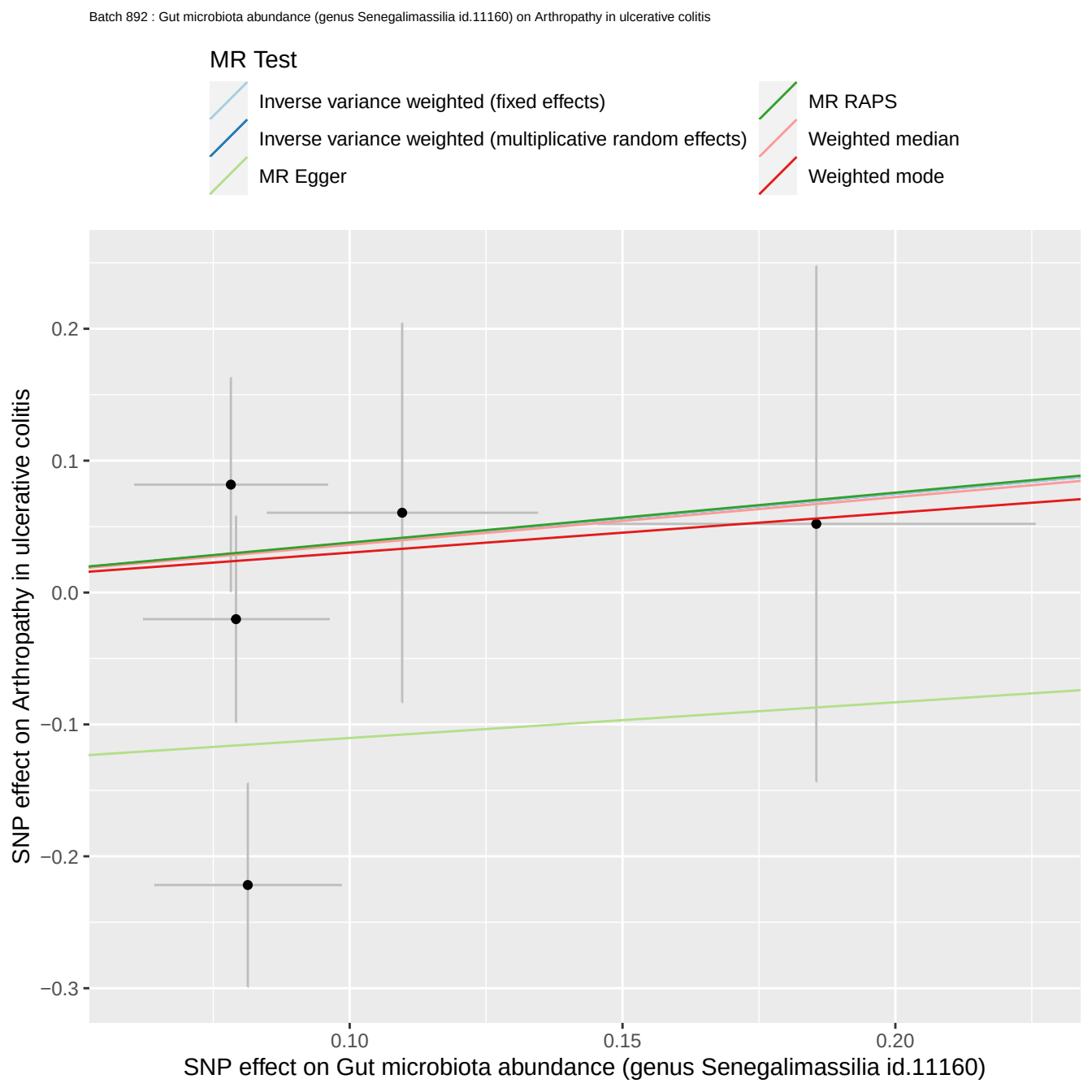
Batch 889 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Arthropathy in ulcerative colitis

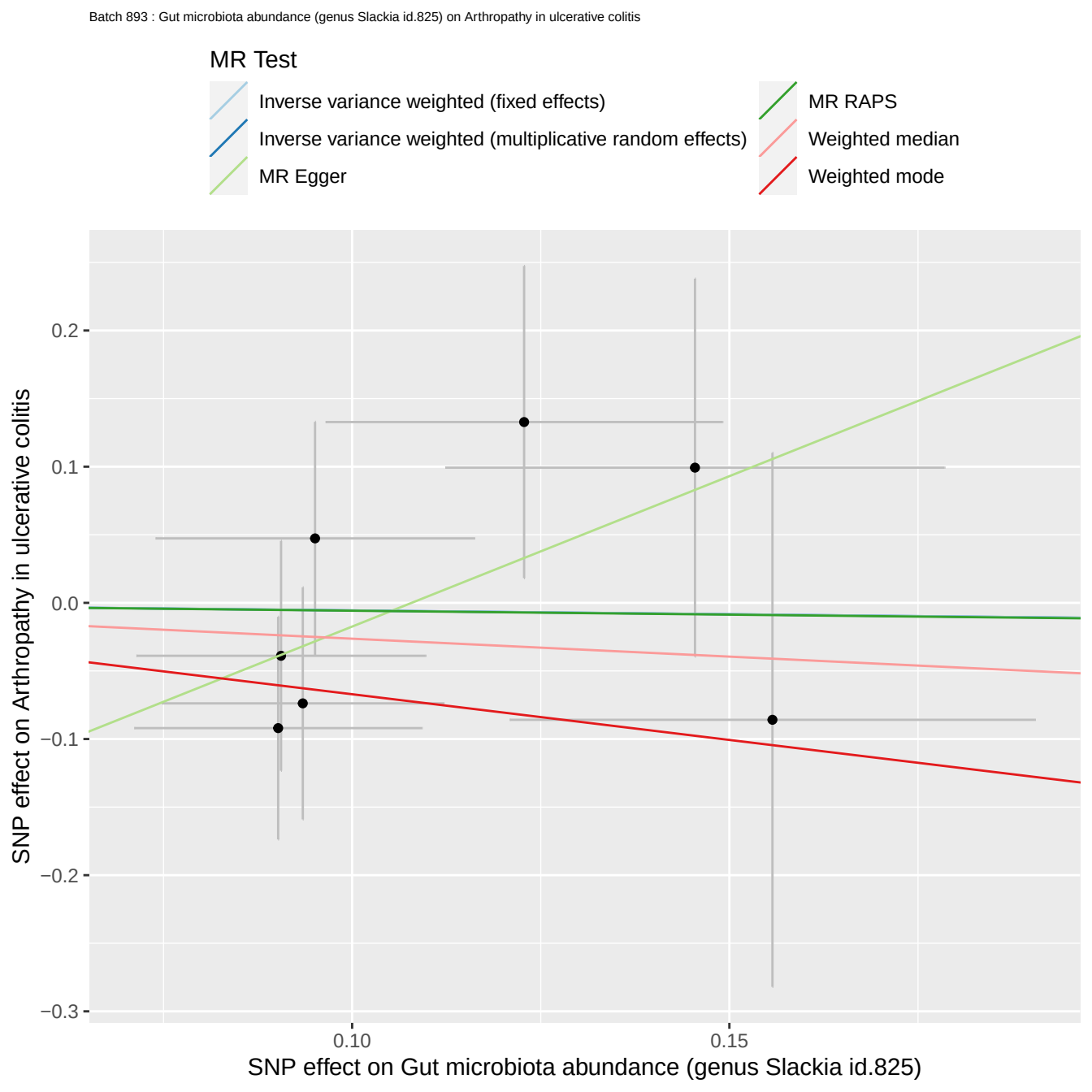


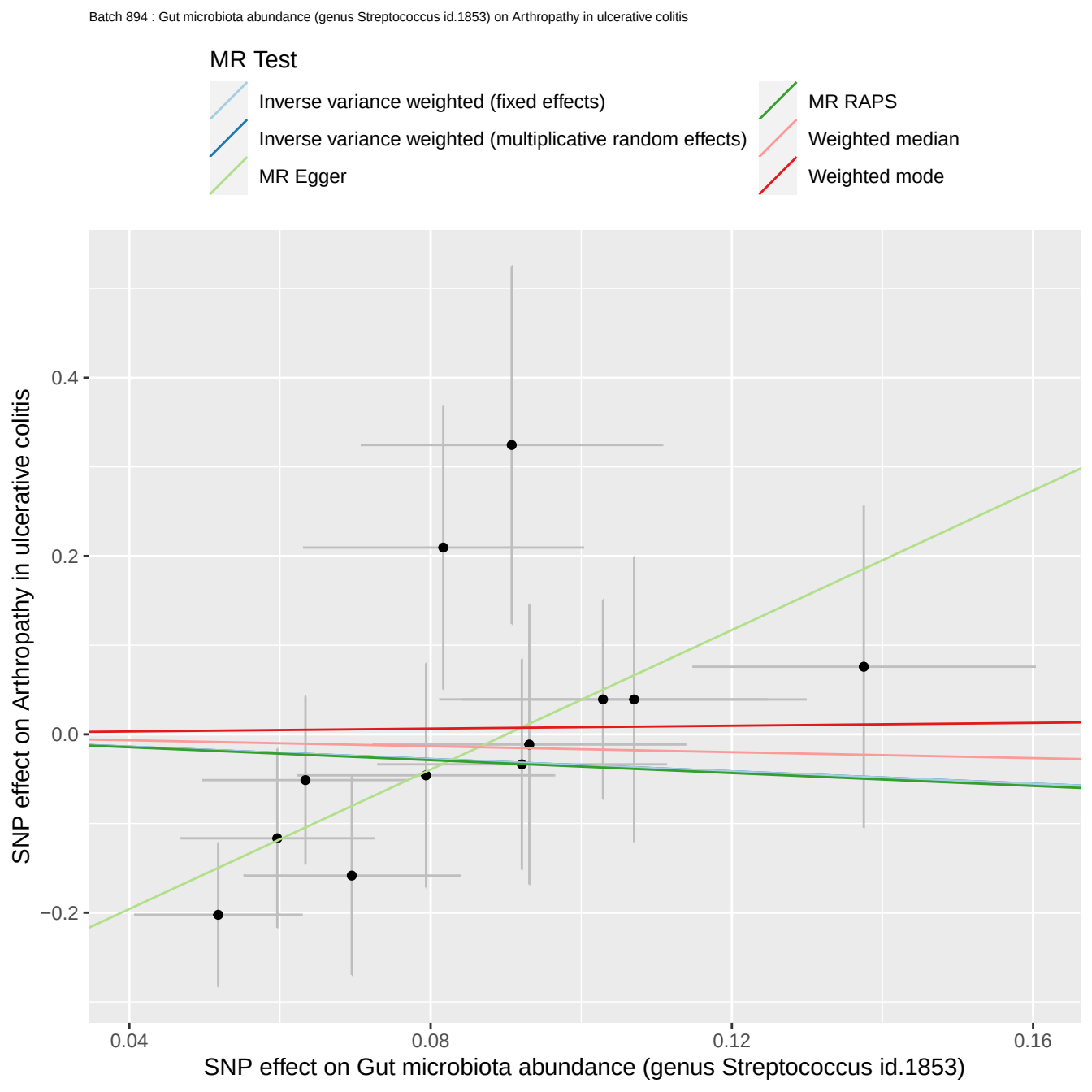

Batch 890 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (genus Ruminococcus torques group id.14377)

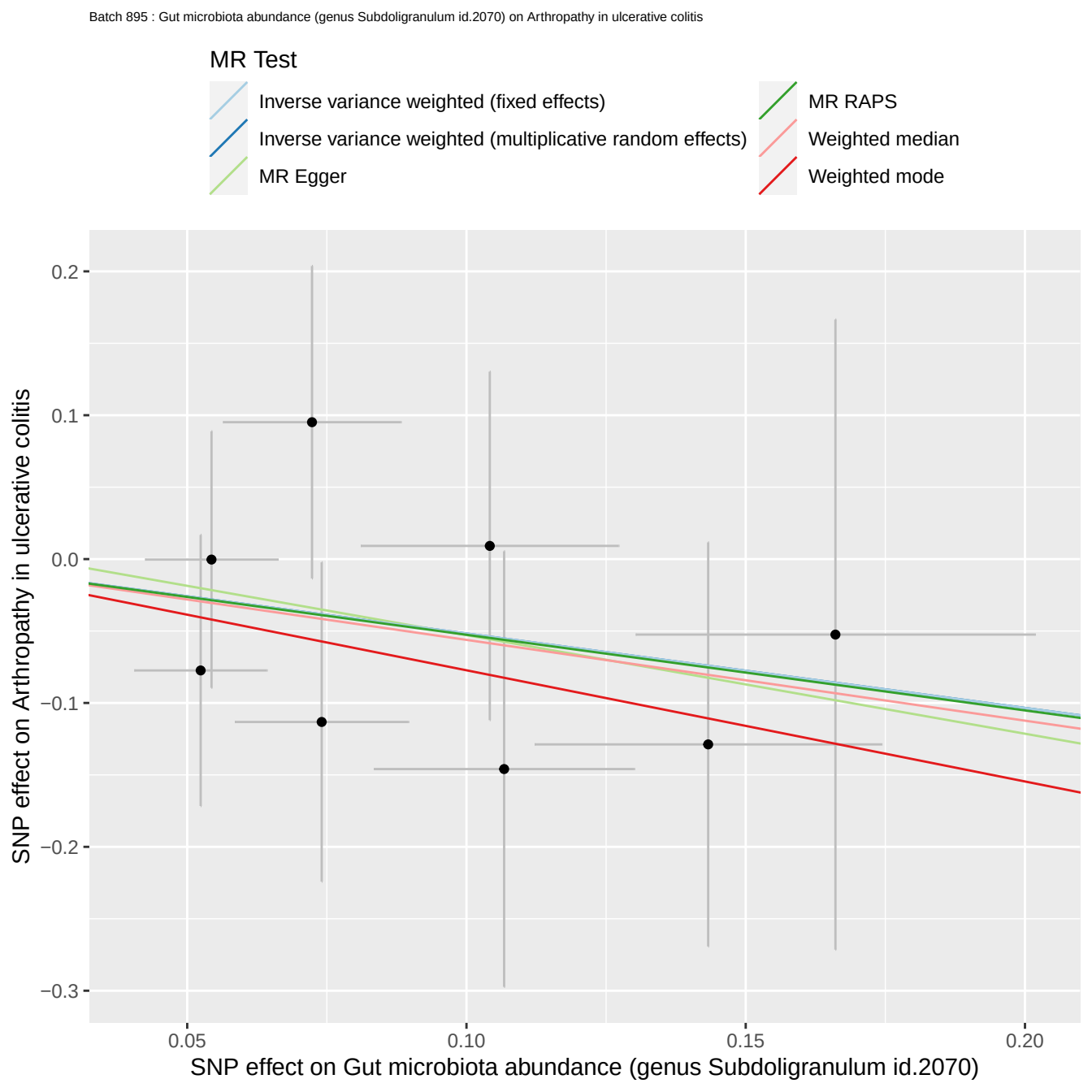
Batch 891 : Gut microbiota abundance (genus Sellimonas id.14369) on Arthropathy in ulcerative colitis

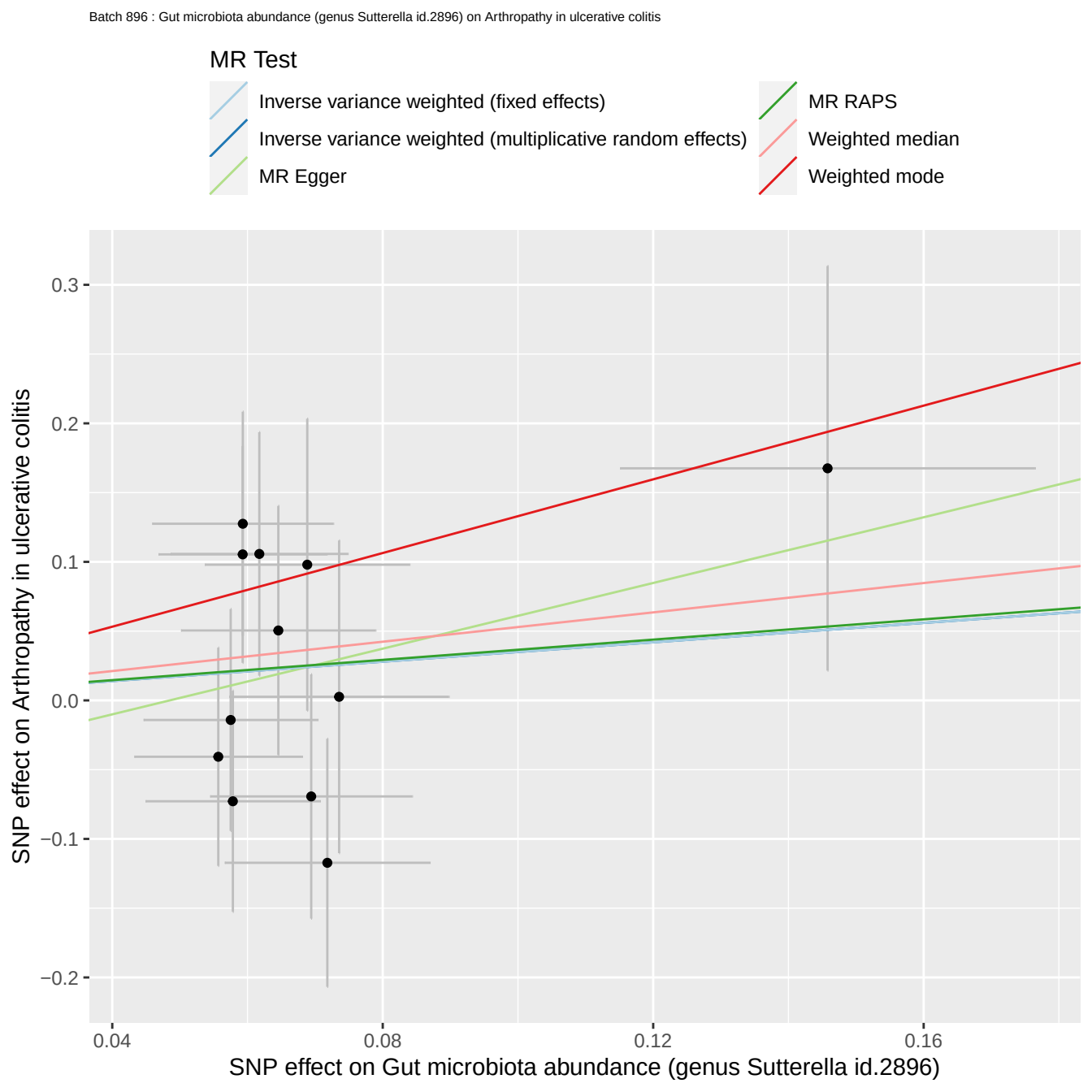


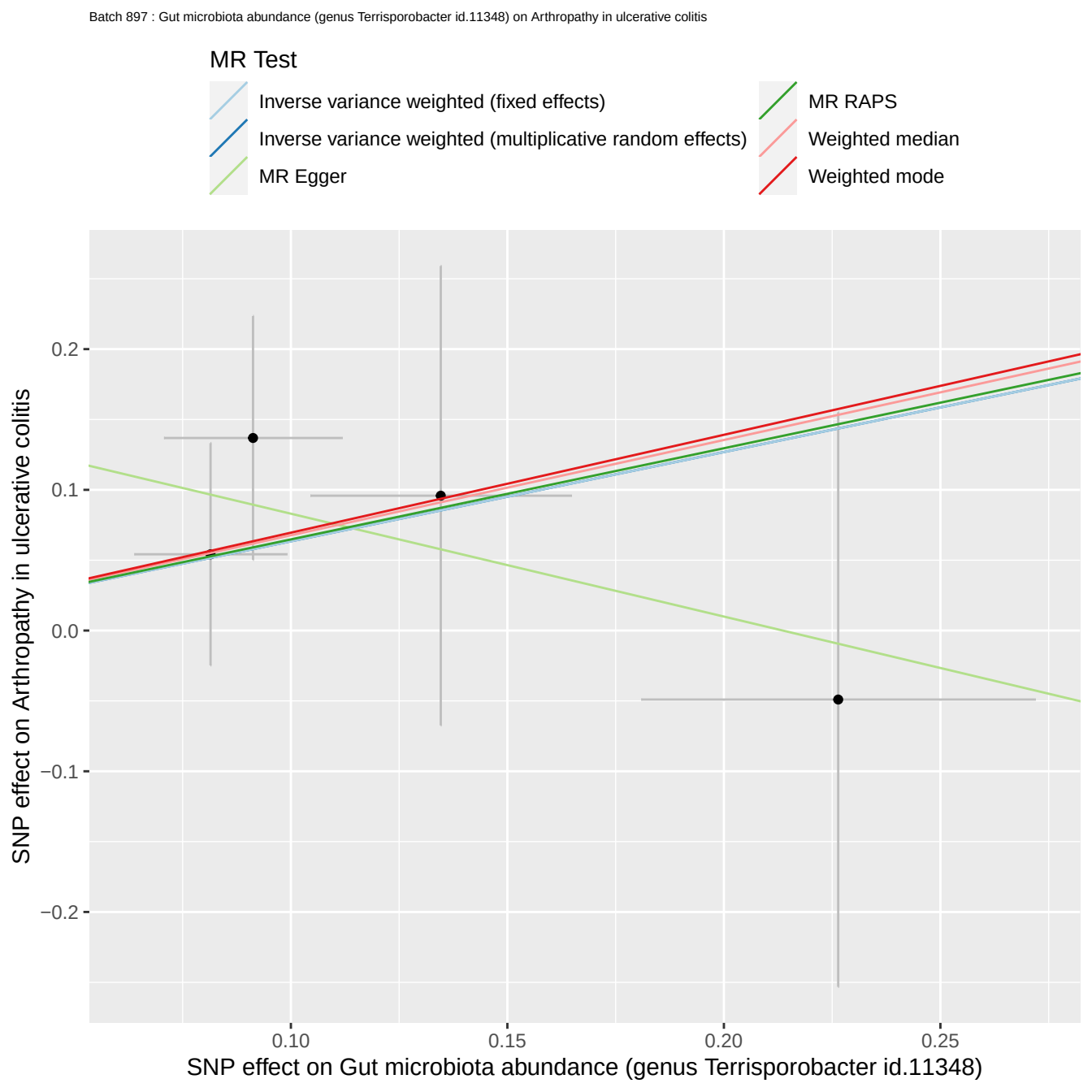

Batch 892 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

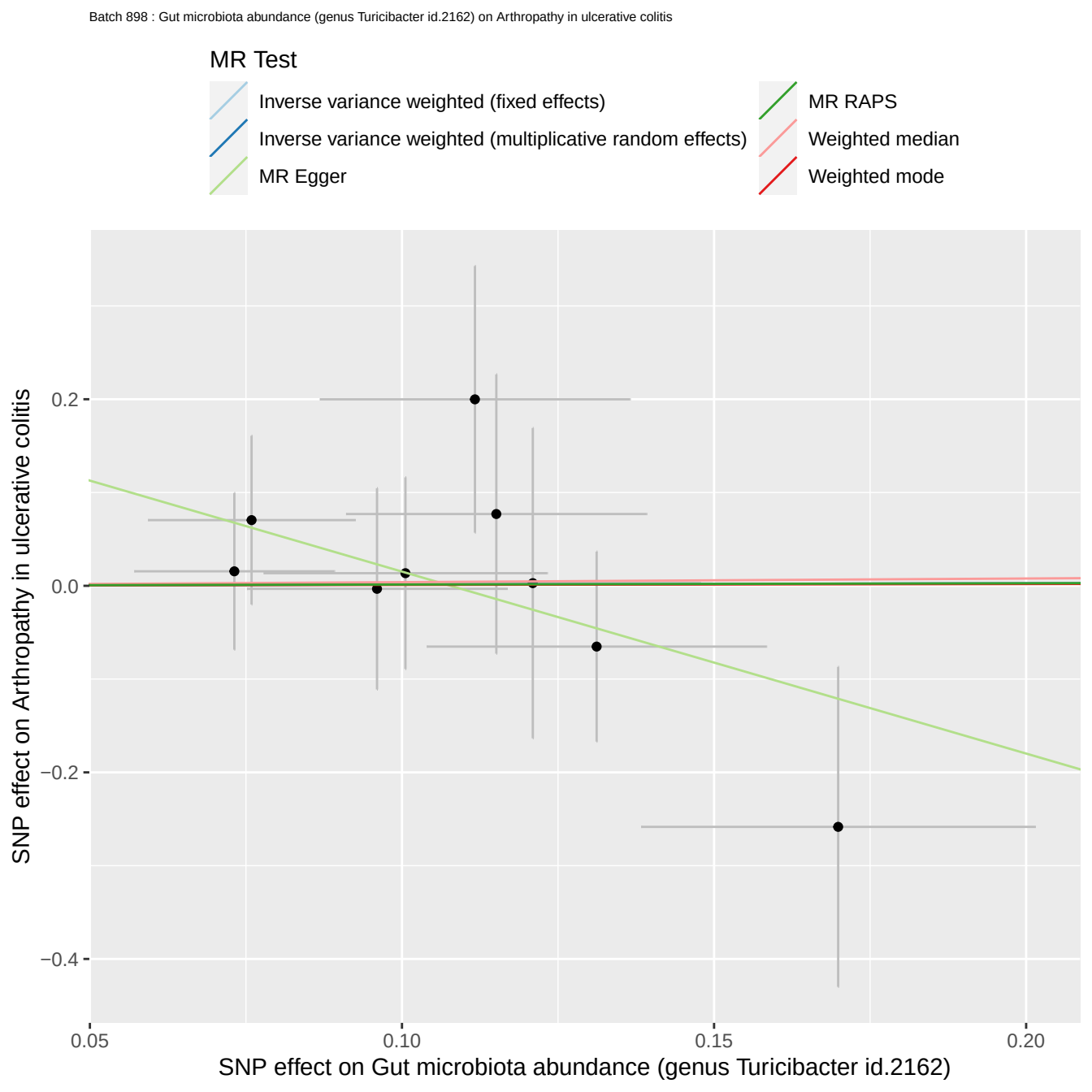

Batch 893 : Gut microbiota abundance (genus Slackia id.825) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

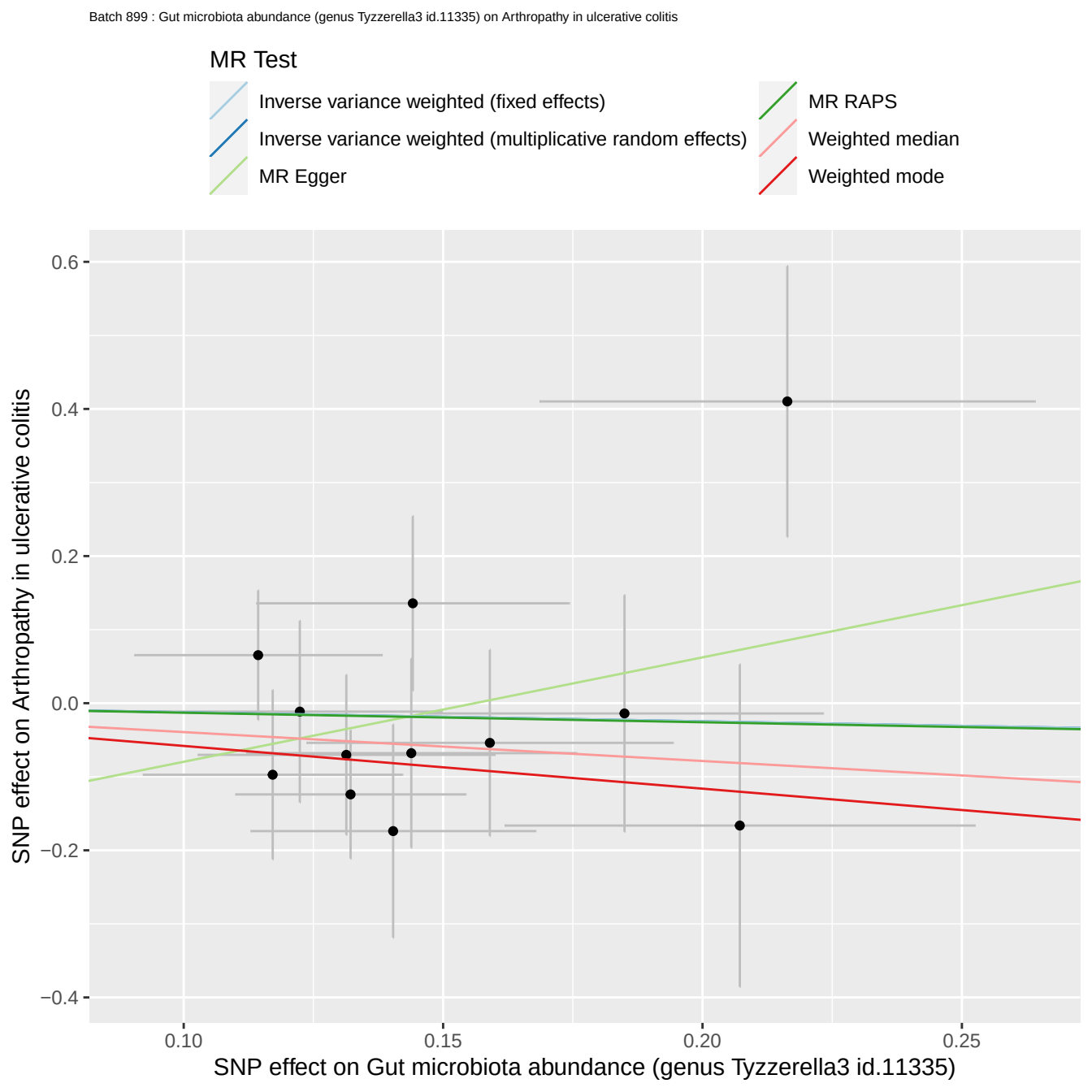

Batch 894 : Gut microbiota abundance (genus Streptococcus id.1853) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.4
0.2
0.0
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)


Batch 895 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

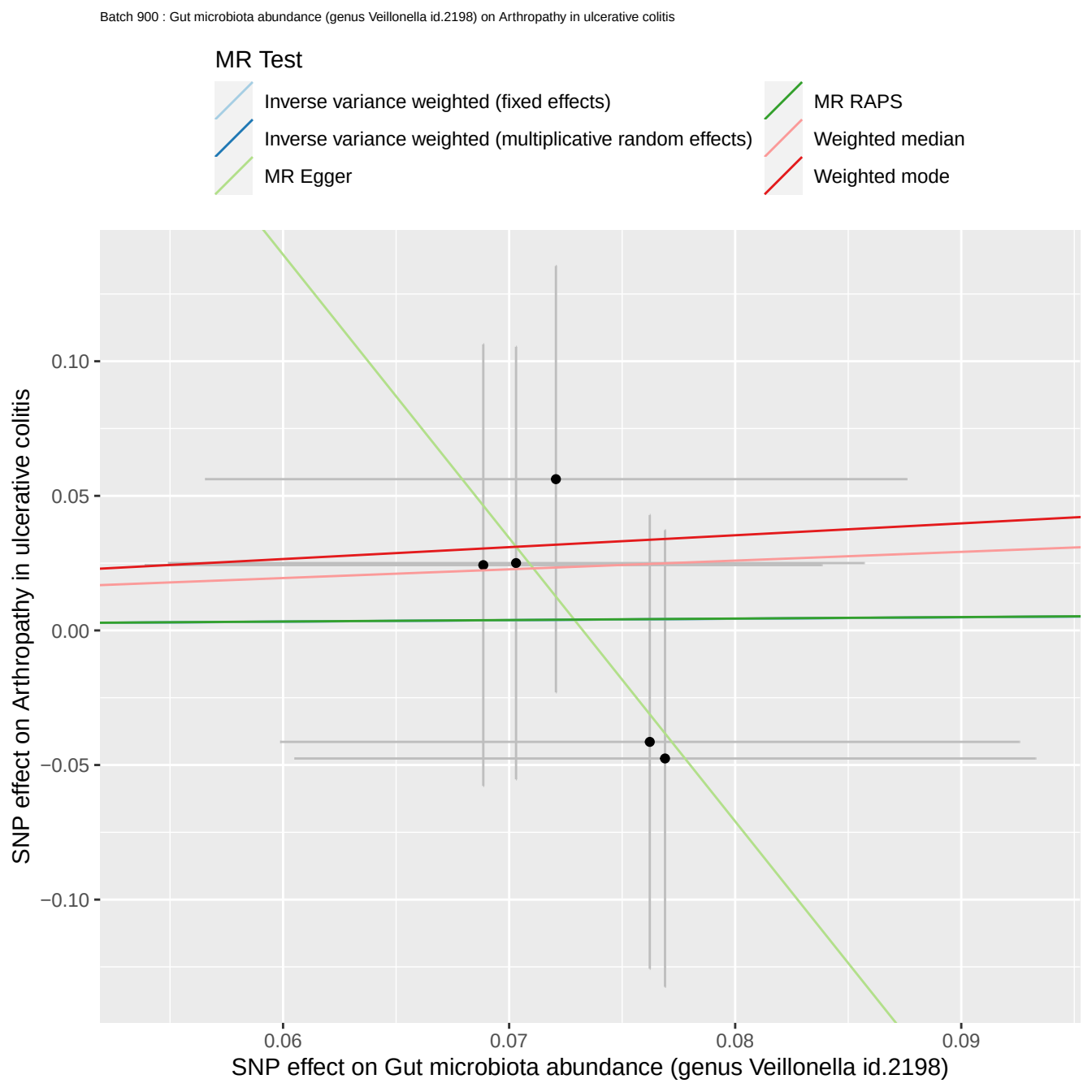

Batch 896 : Gut microbiota abundance (genus Sutterella id.2896) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

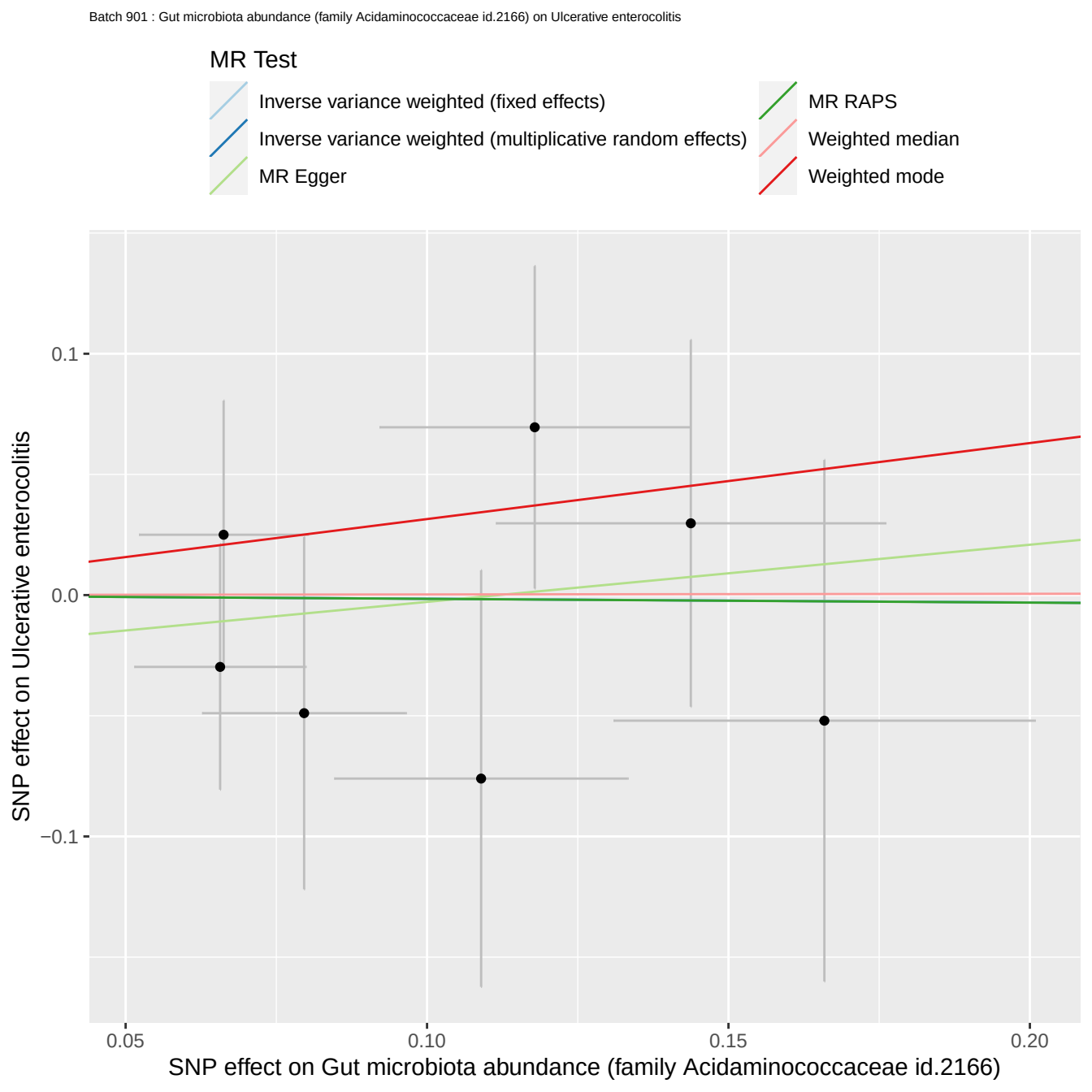

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

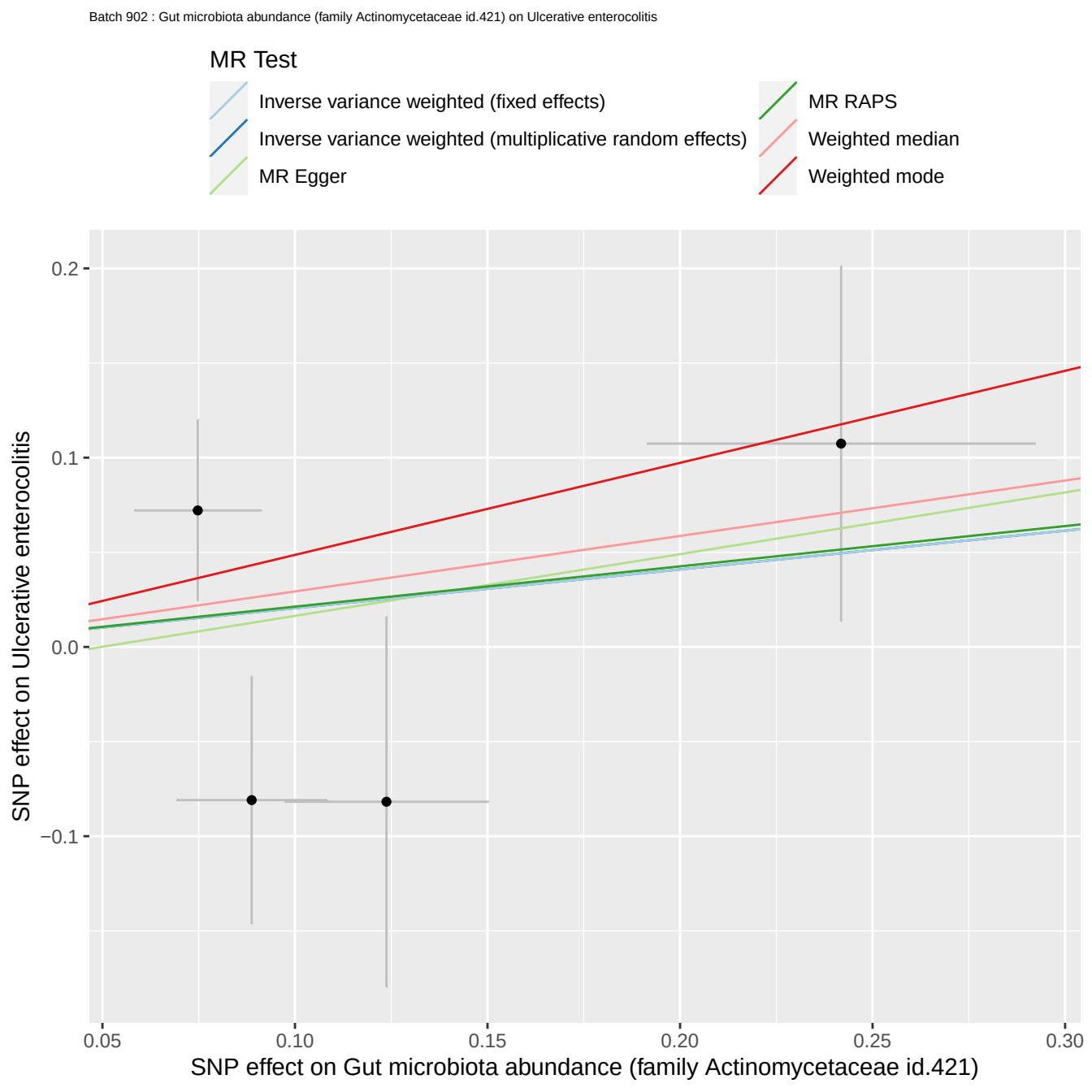

Batch 898 : Gut microbiota abundance (genus Turicibacter id.2162) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.2
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

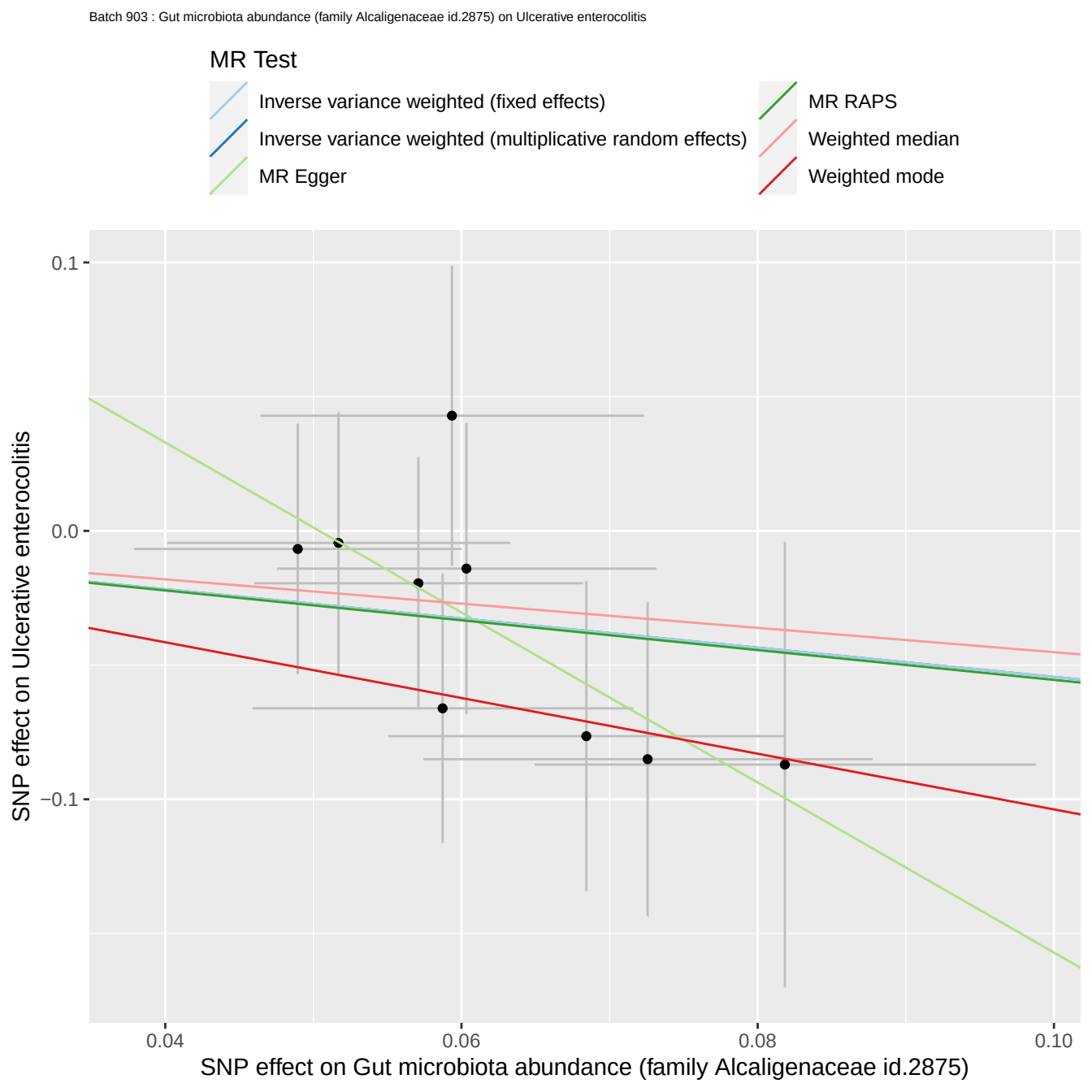

Batch 899 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Arthropathy in ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Arthropathy in ulcerative colitis
0.6
0.4
0.2
0.0
−0.2
−0.4
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

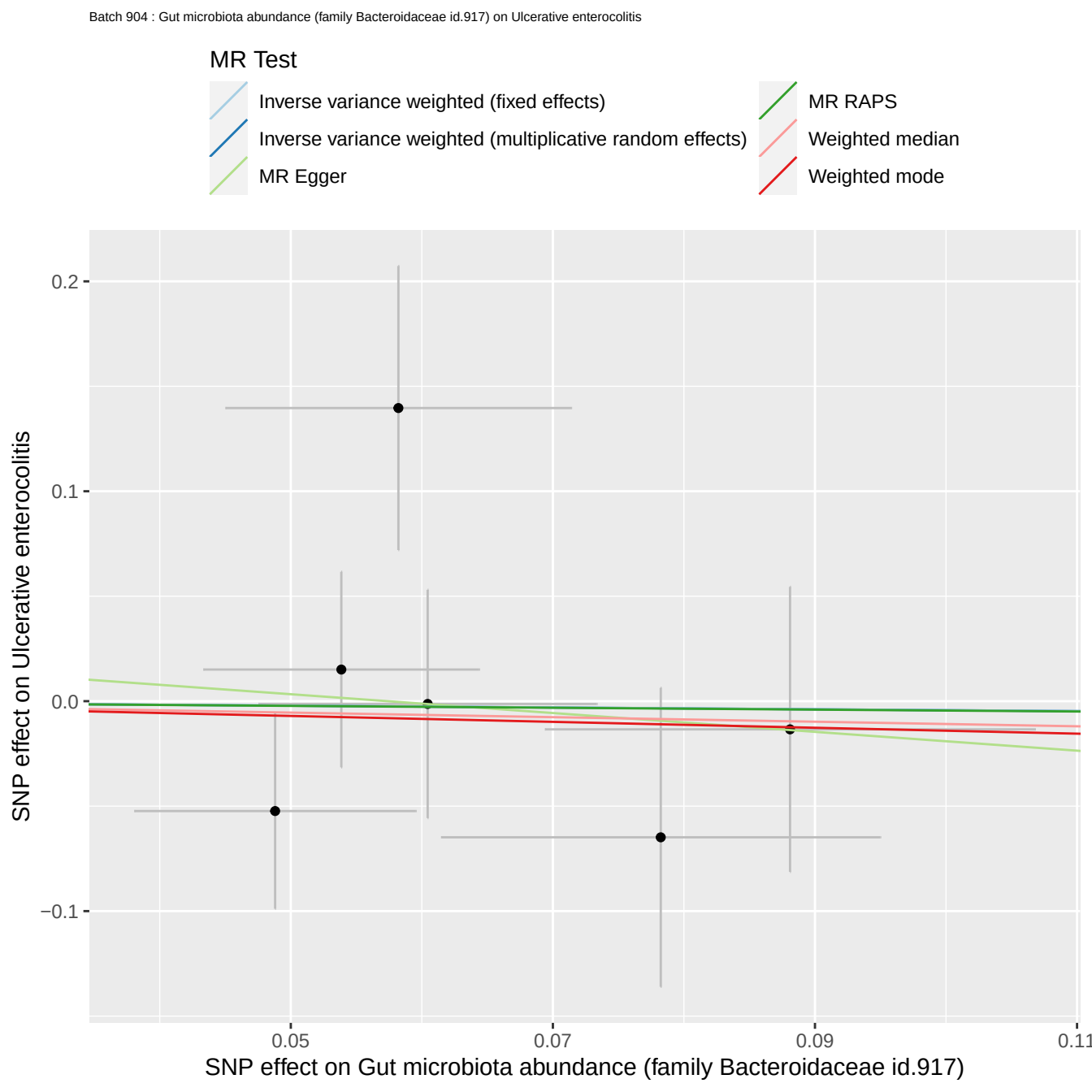
Batch 900 : Gut microbiota abundance (genus Veillonella id.2198) on Arthropathy in ulcerative colitis

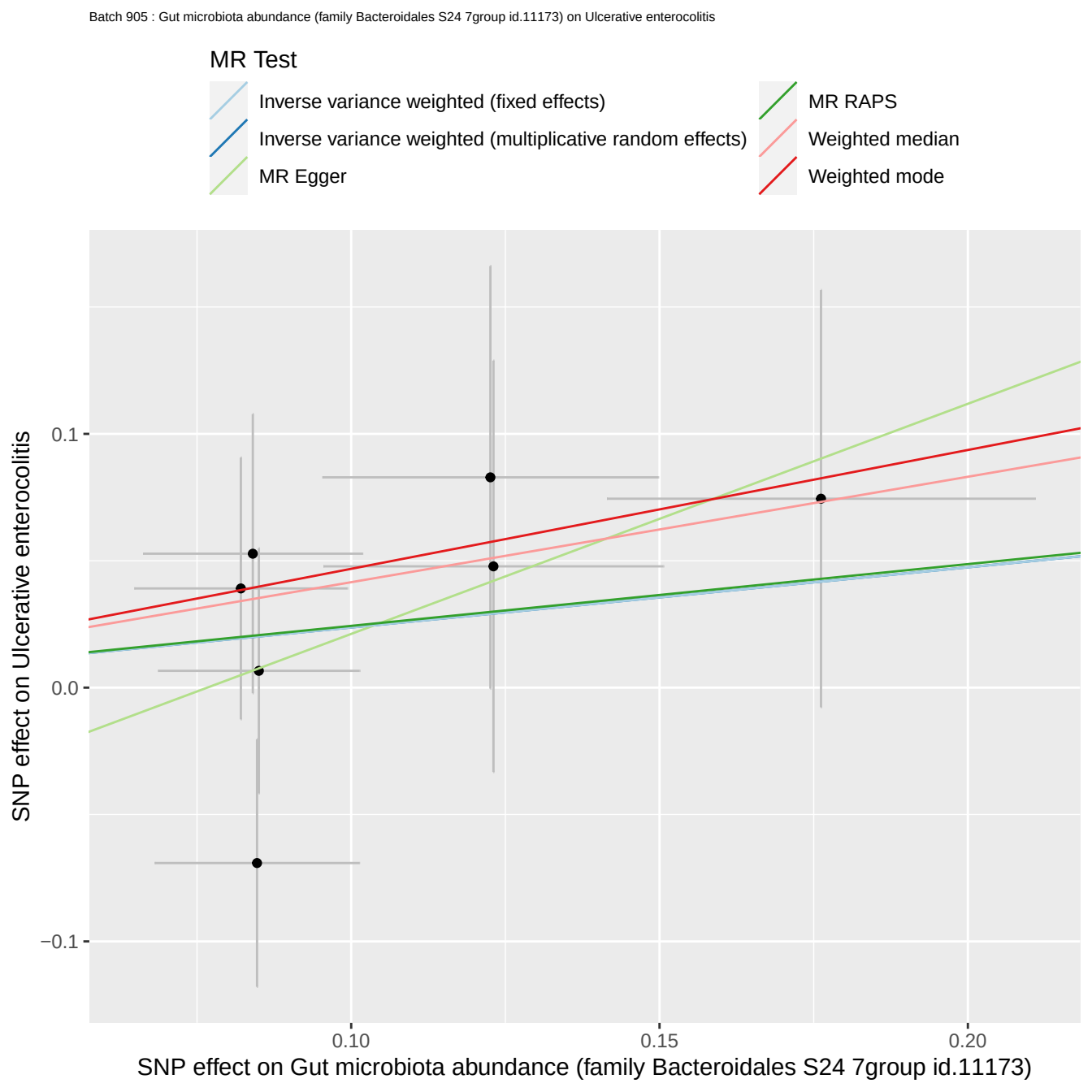


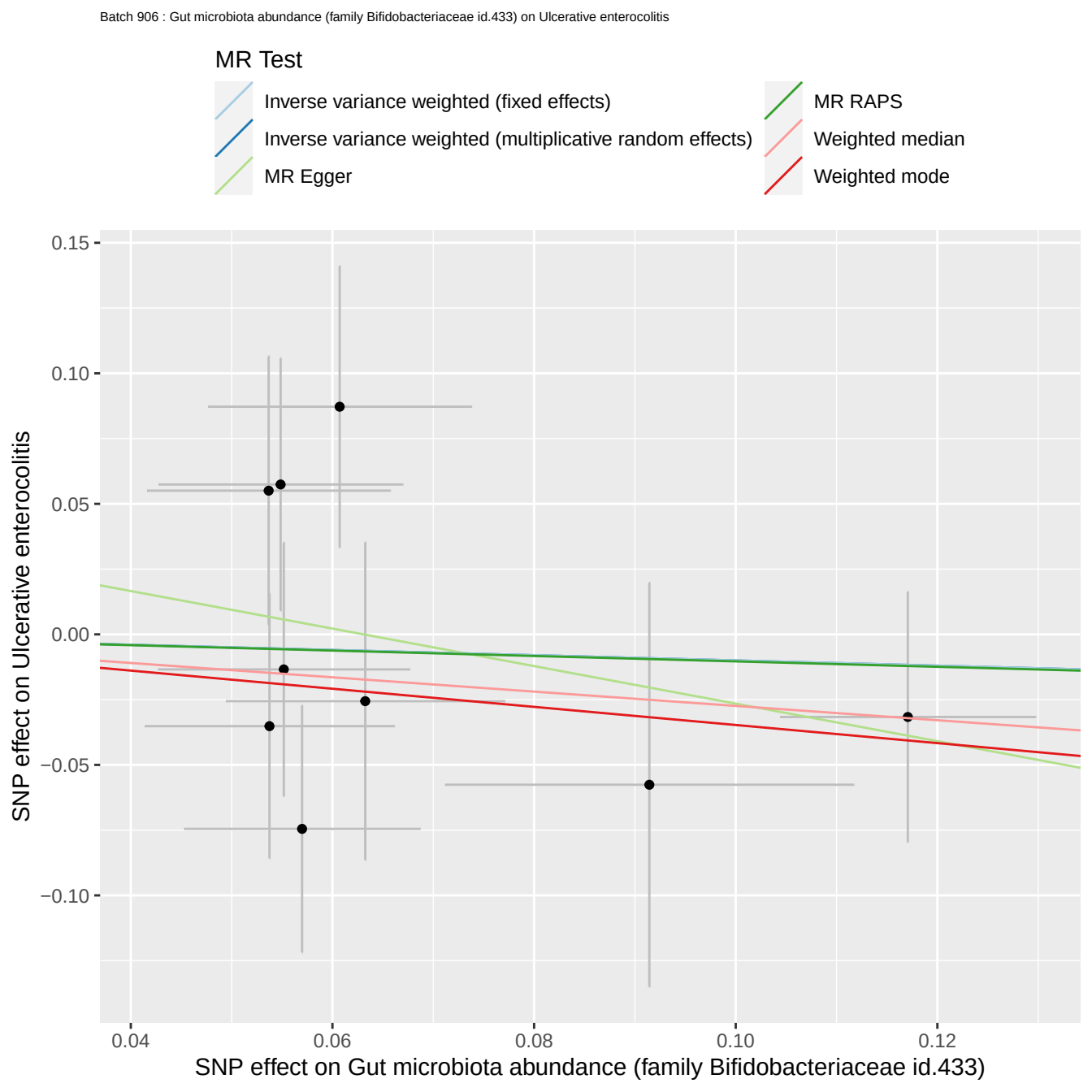

Batch 901 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

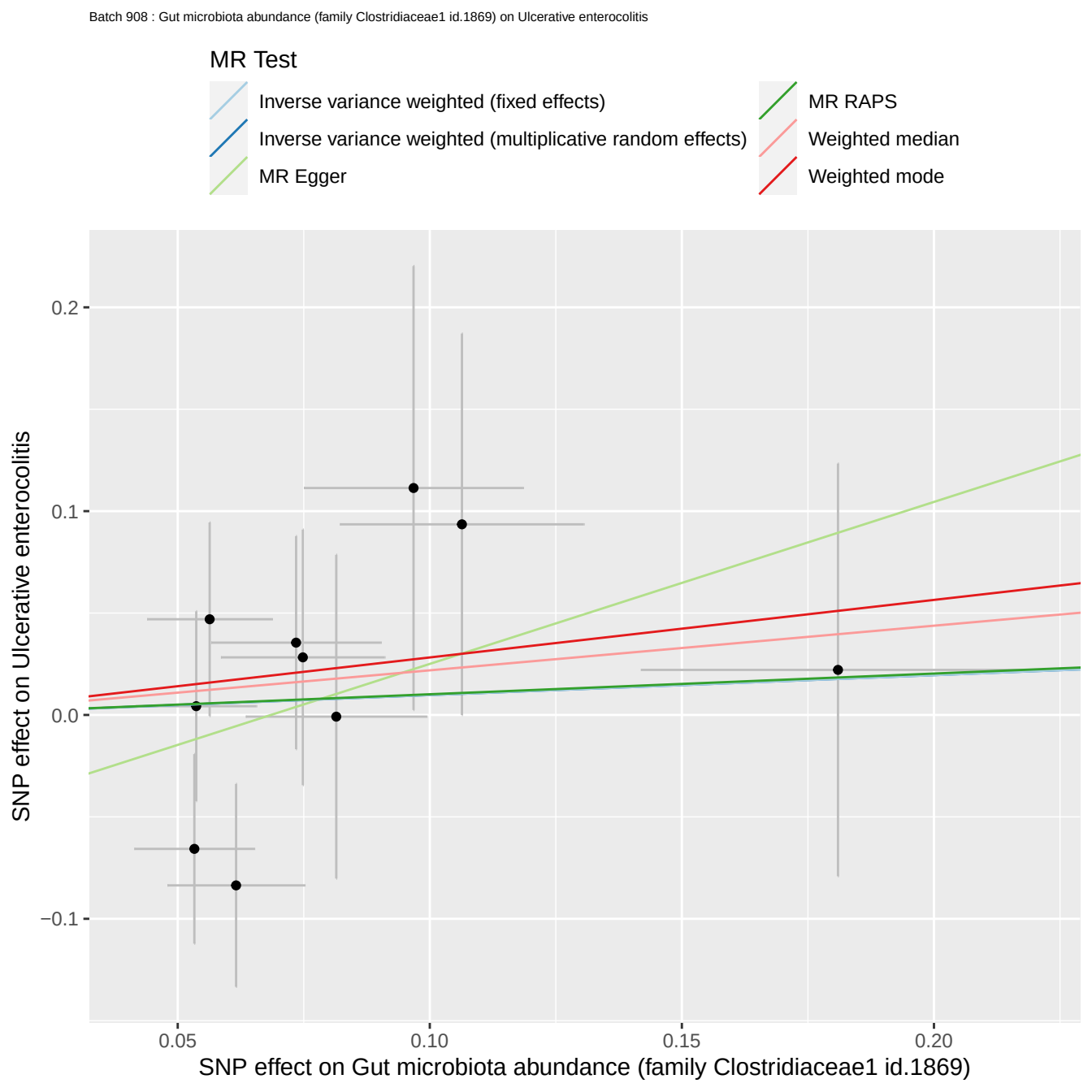

Batch 902 : Gut microbiota abundance (family Actinomycetaceae id.421) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

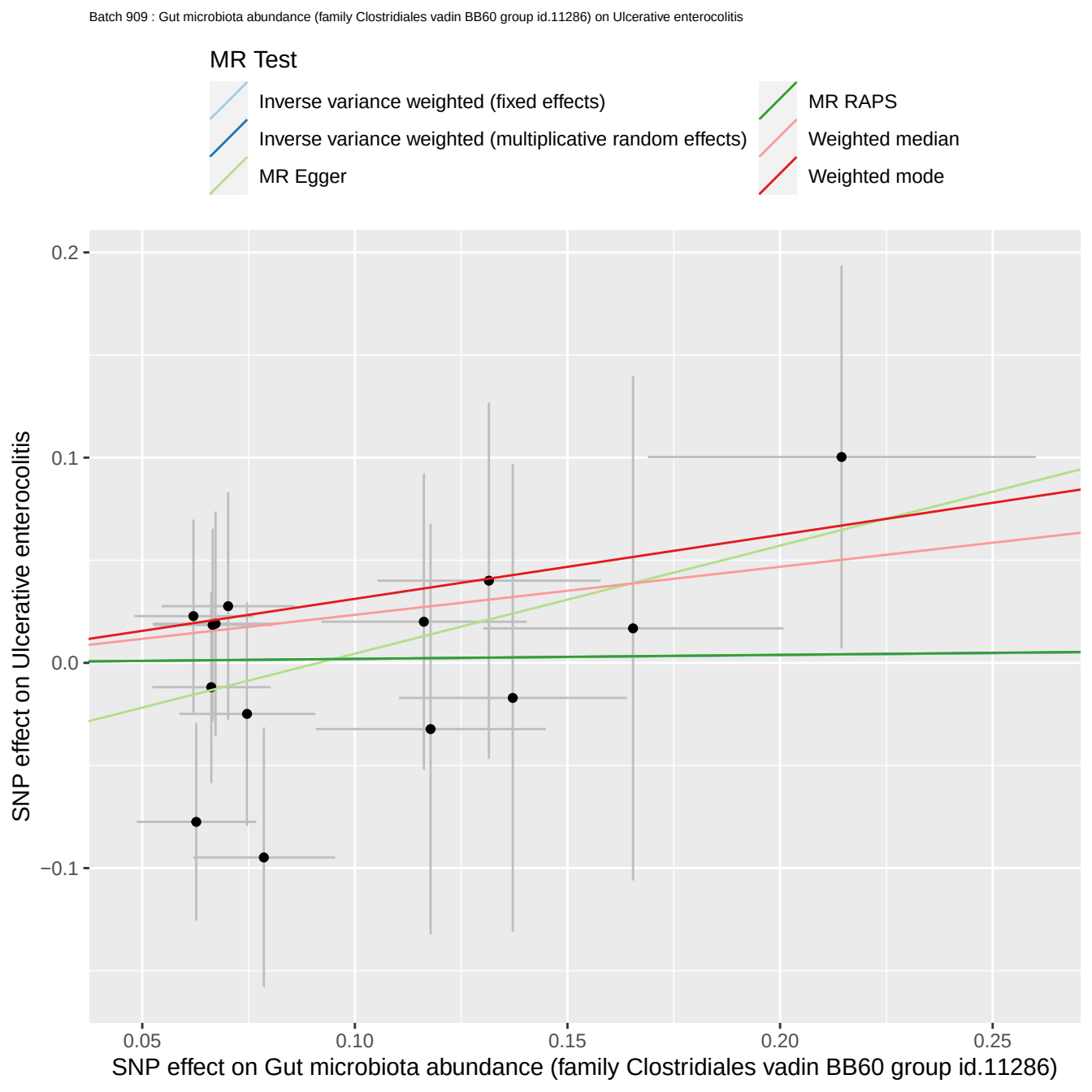

Batch 903 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

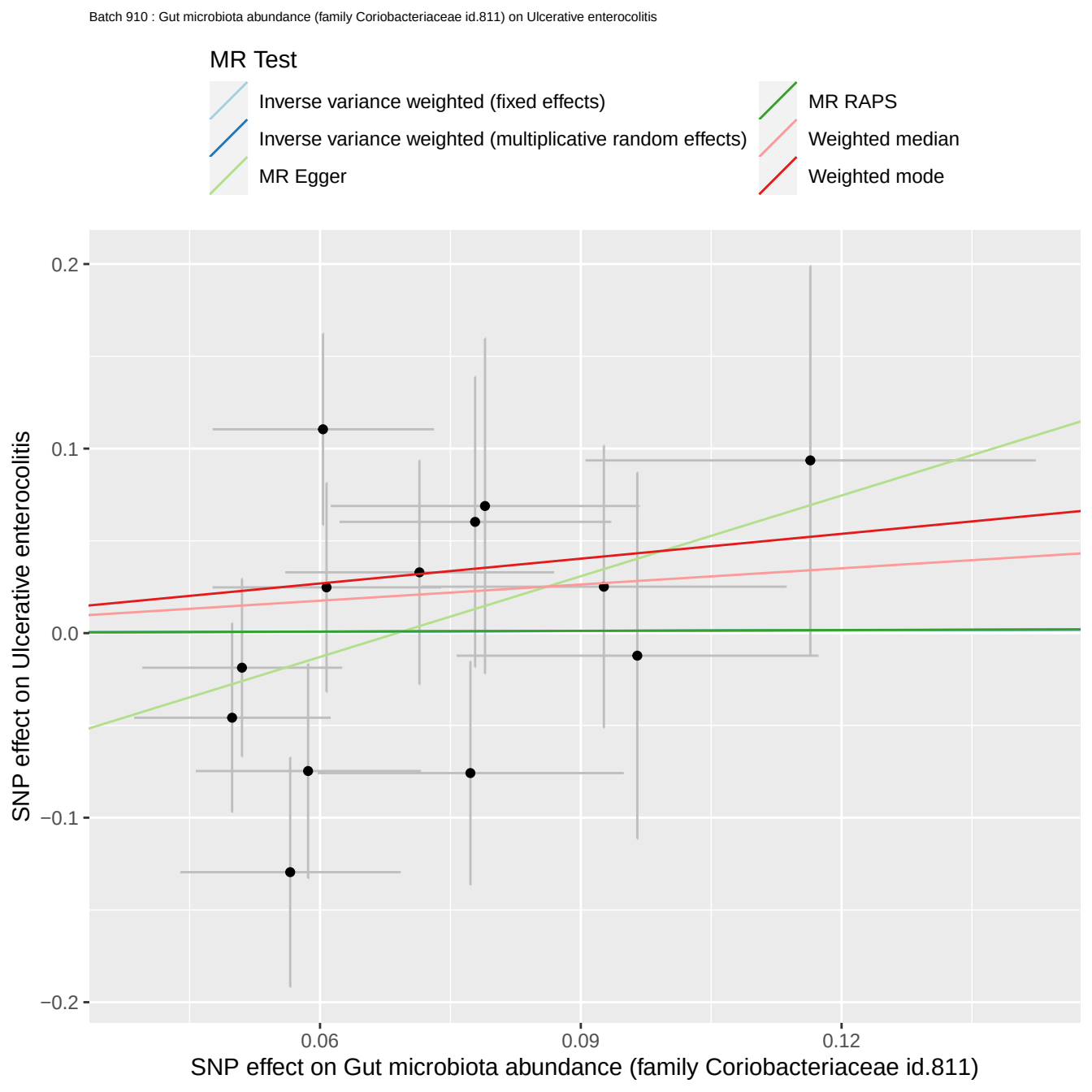

Batch 904 : Gut microbiota abundance (family Bacteroidaceae id.917) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.07
0.09
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

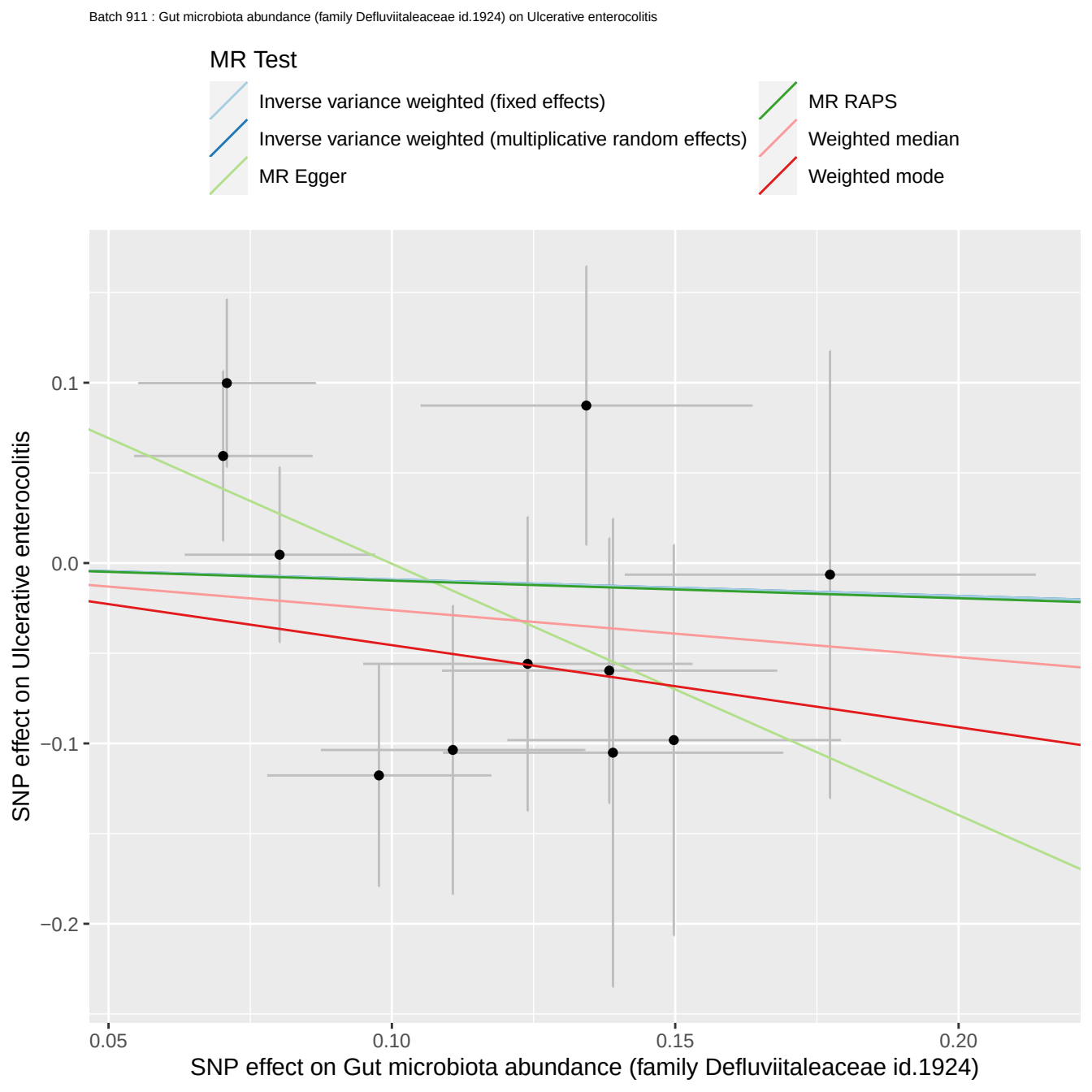

Batch 905 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

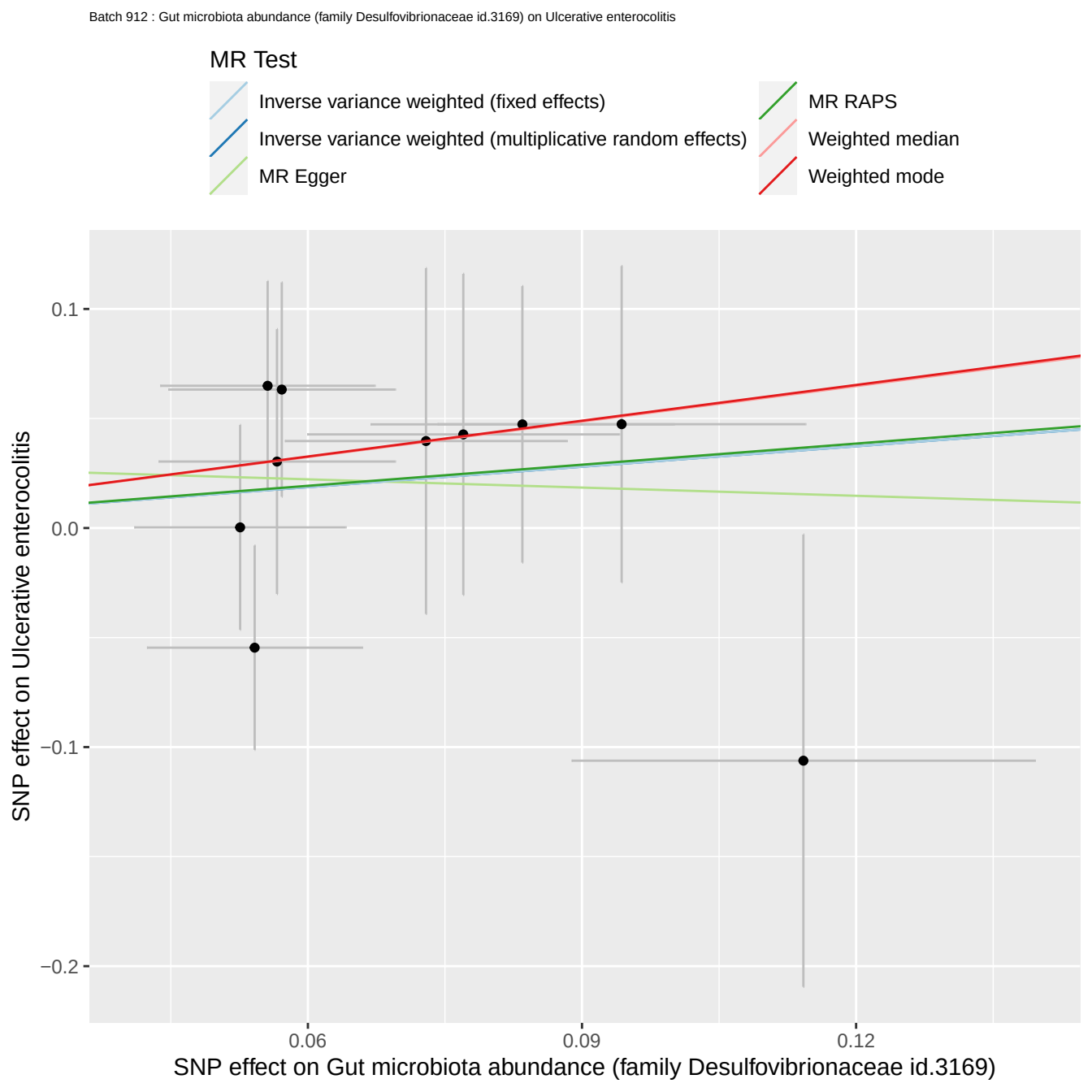

Batch 906 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

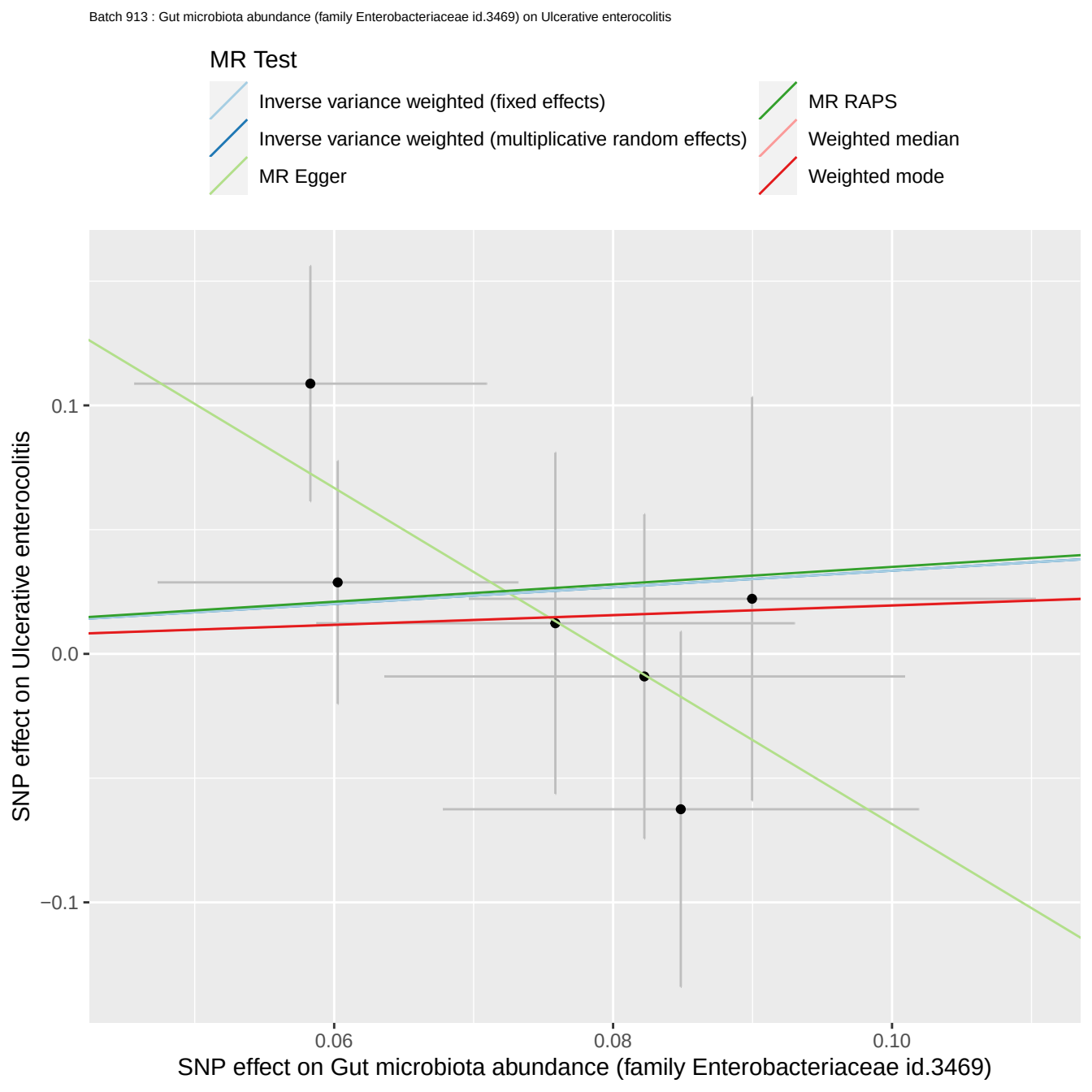

Batch 908 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

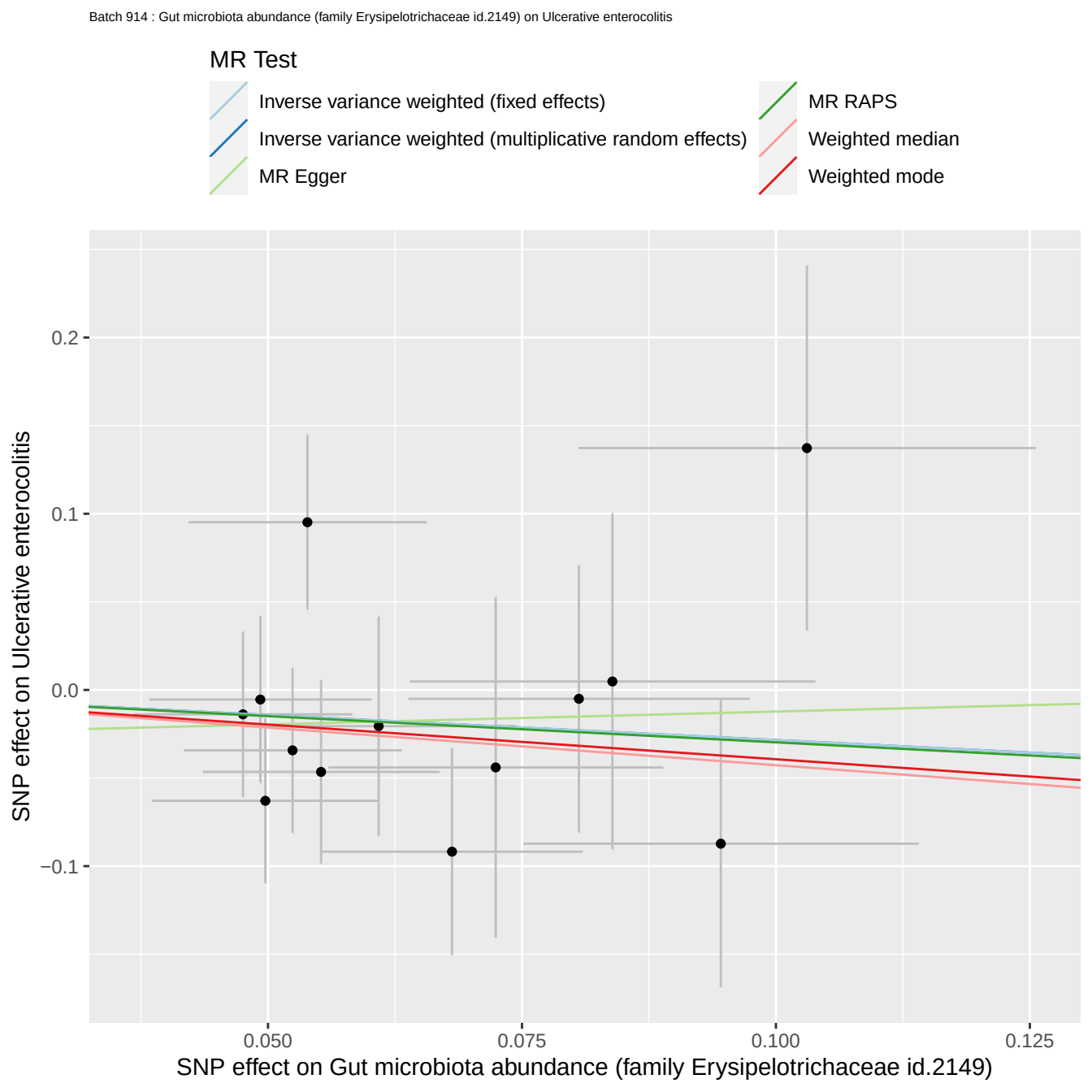

Batch 909 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

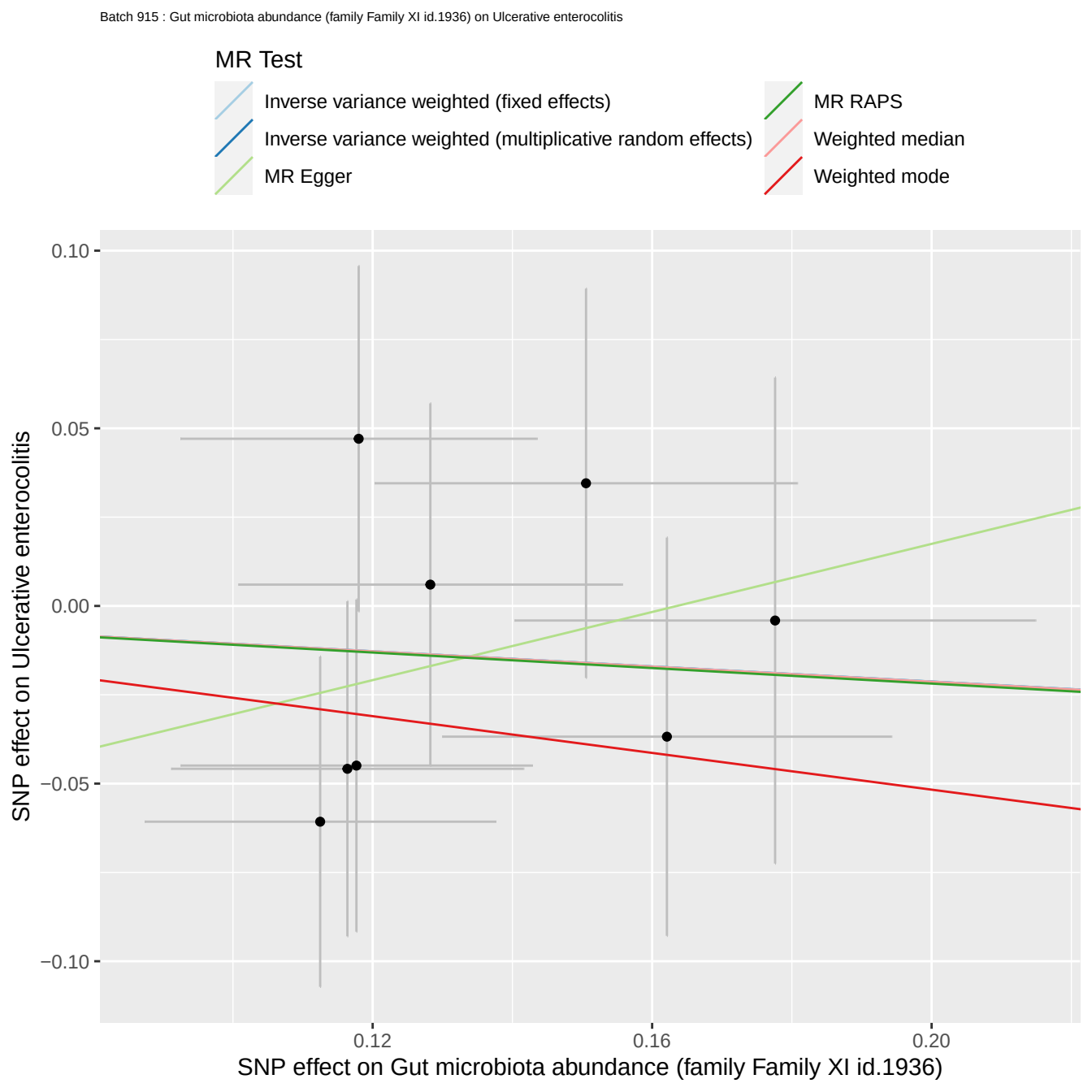

Batch 910 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

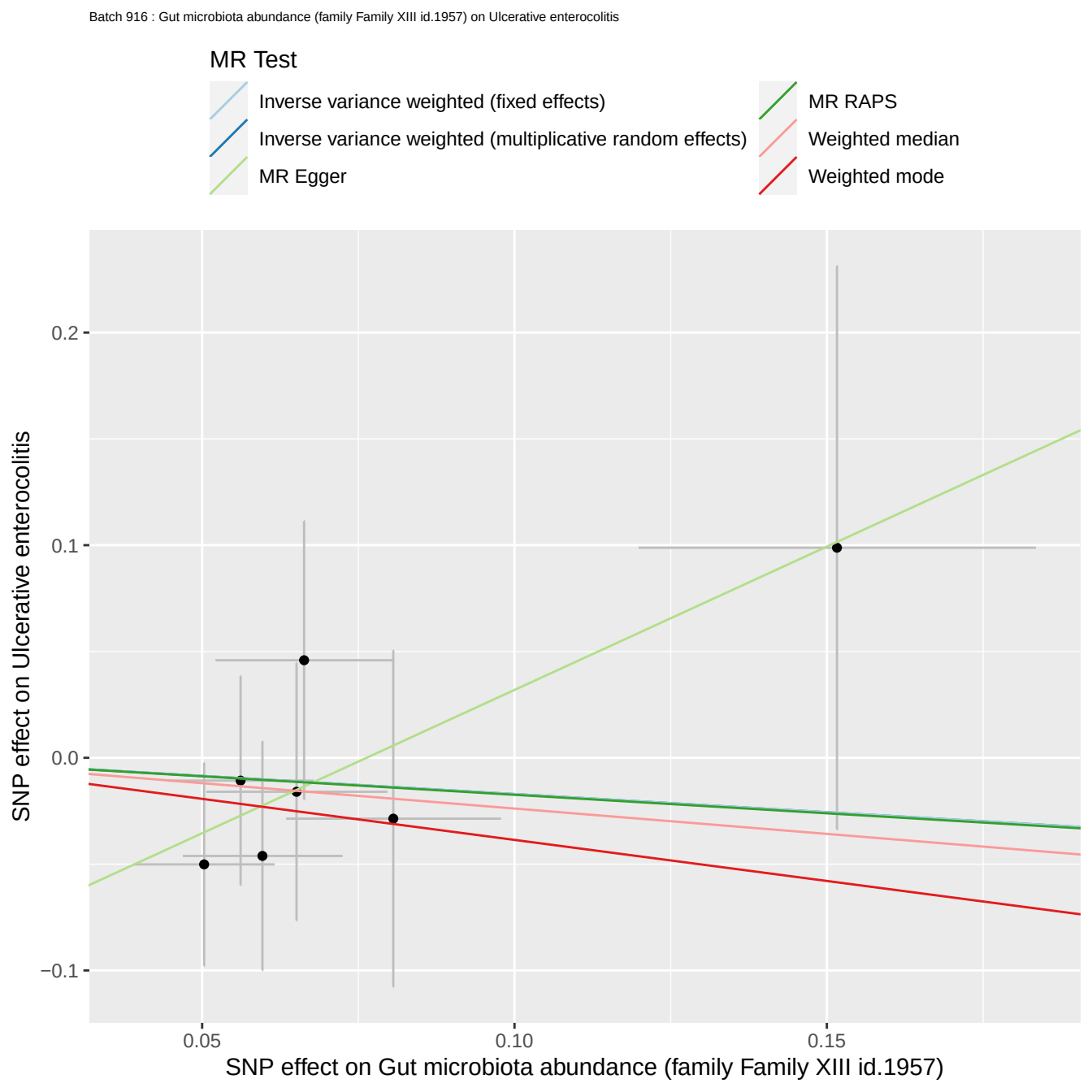

Batch 911 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)


Batch 912 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

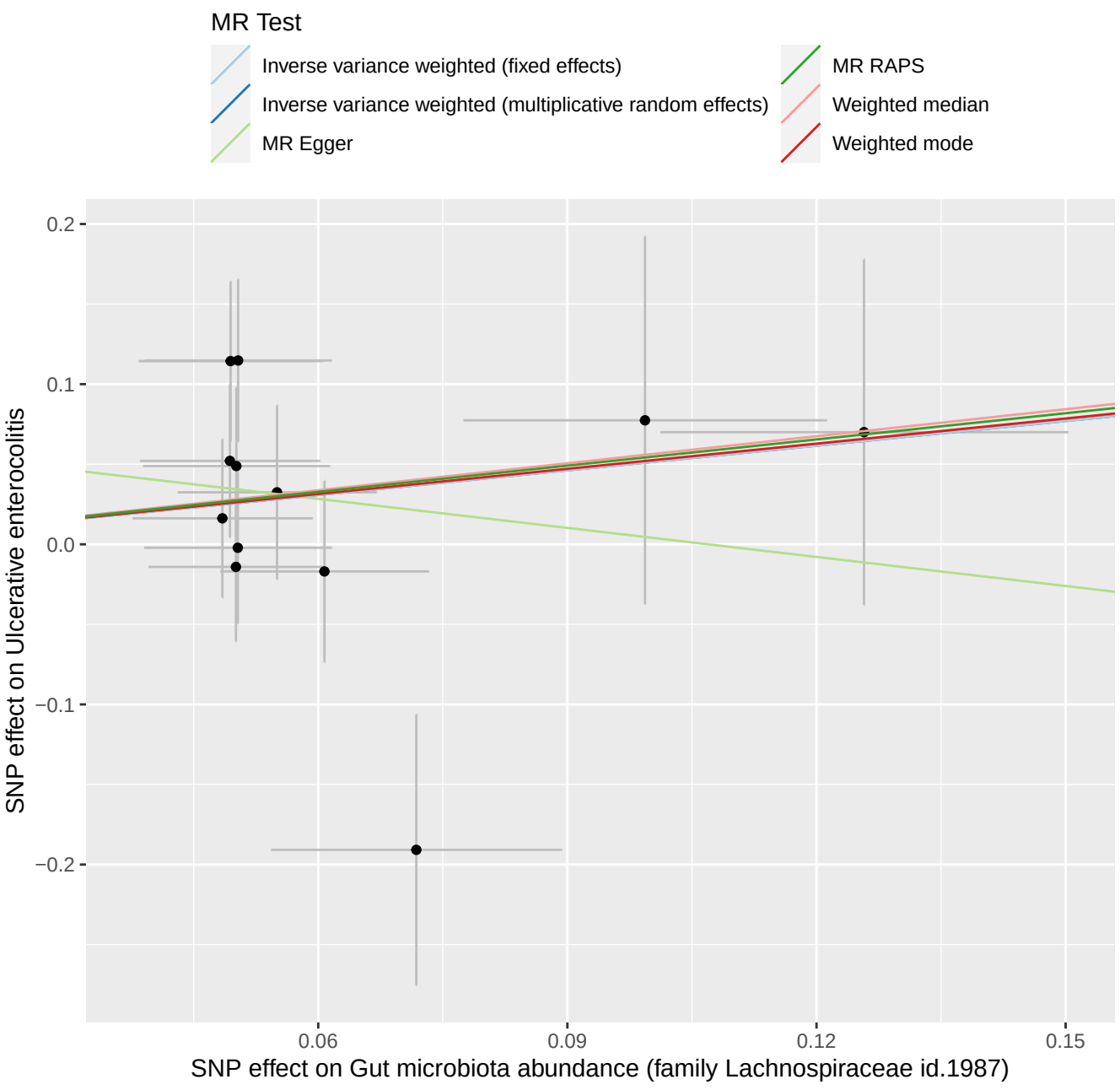

Batch 913 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

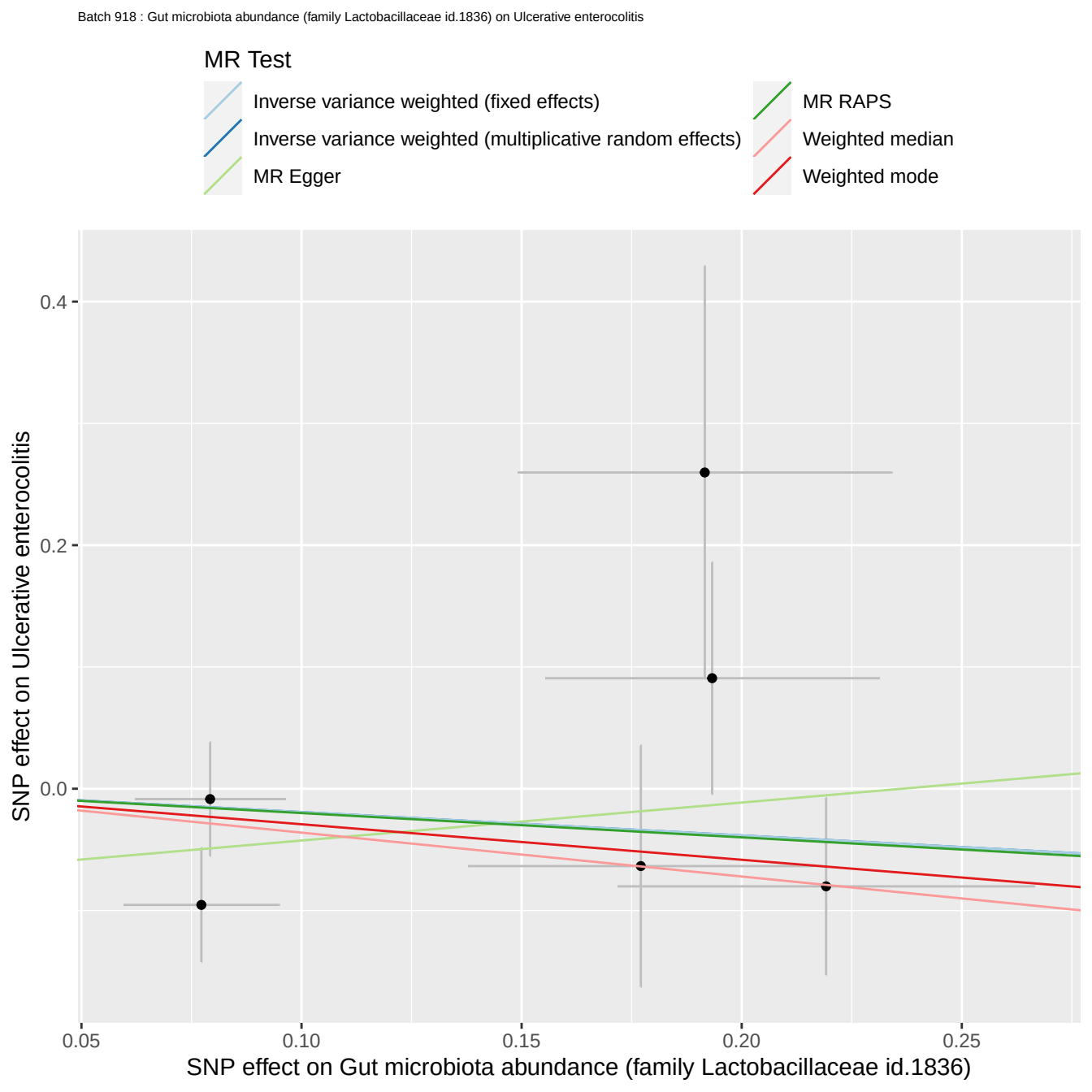

Batch 914 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Erysipelotrichaceae id.2149)


Batch 915 : Gut microbiota abundance (family Family XI id.1936) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative enterocolitis
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

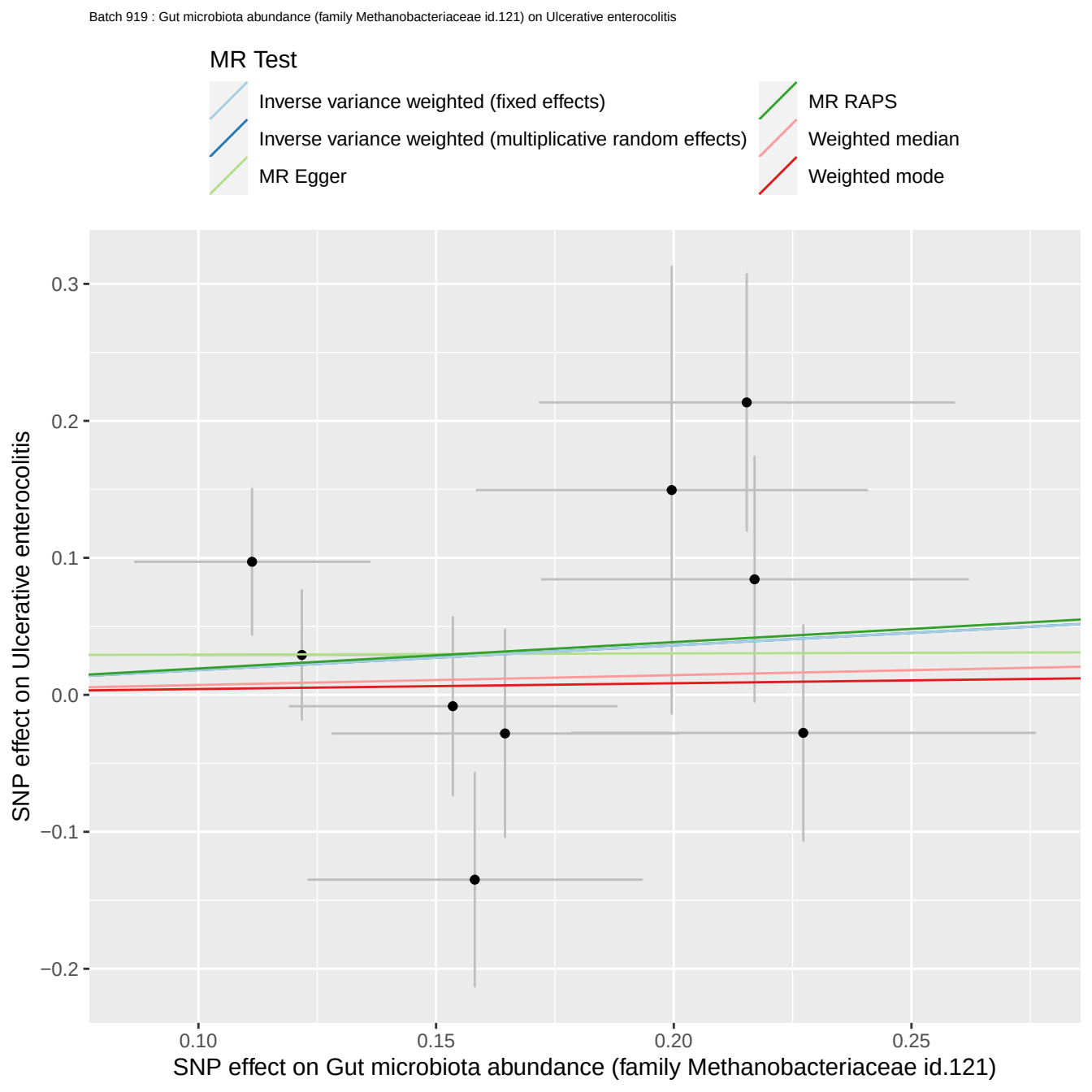

Batch 916 : Gut microbiota abundance (family Family XIII id.1957) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Family XIII id.1957)

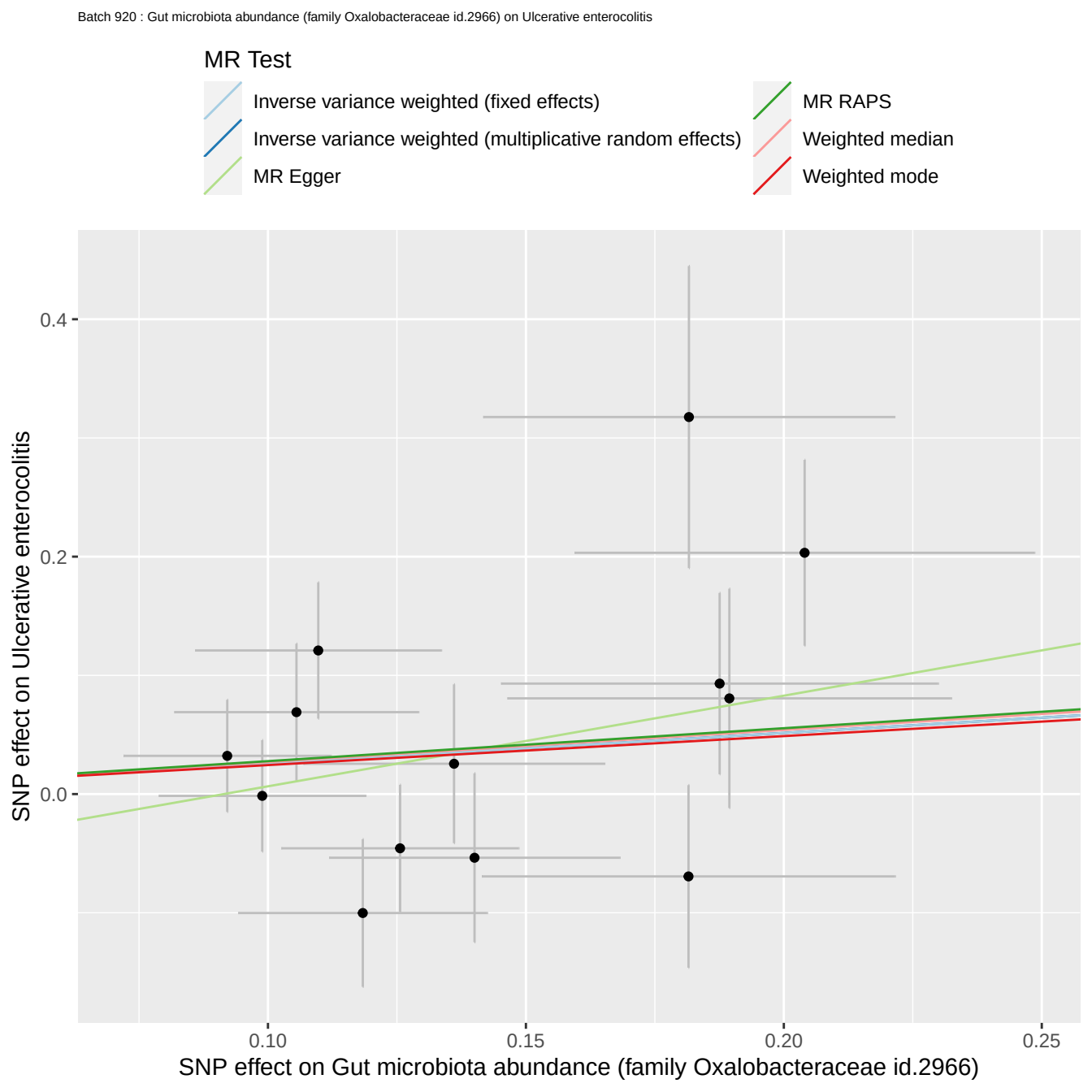
Batch 917 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Ulcerative enterocolitis

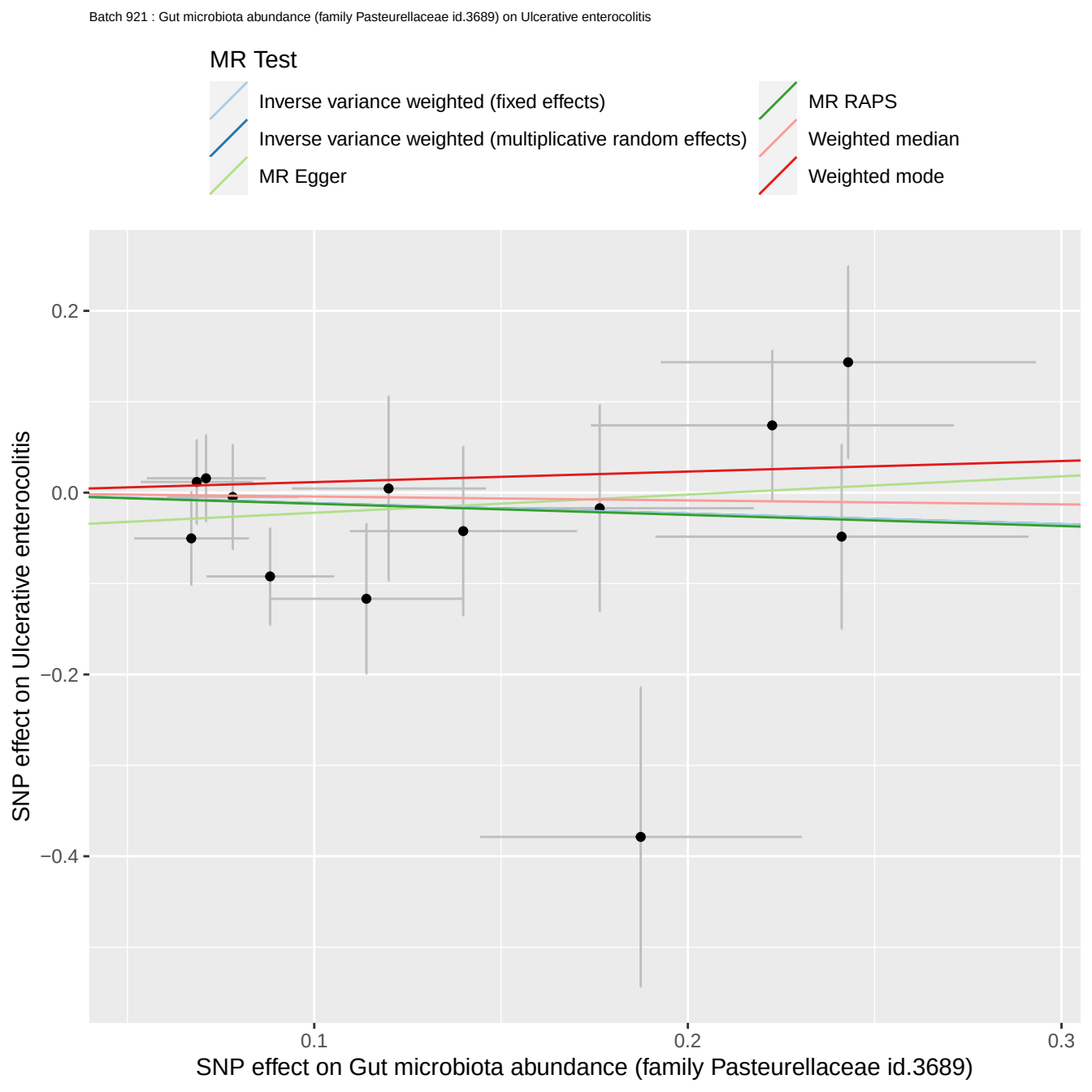


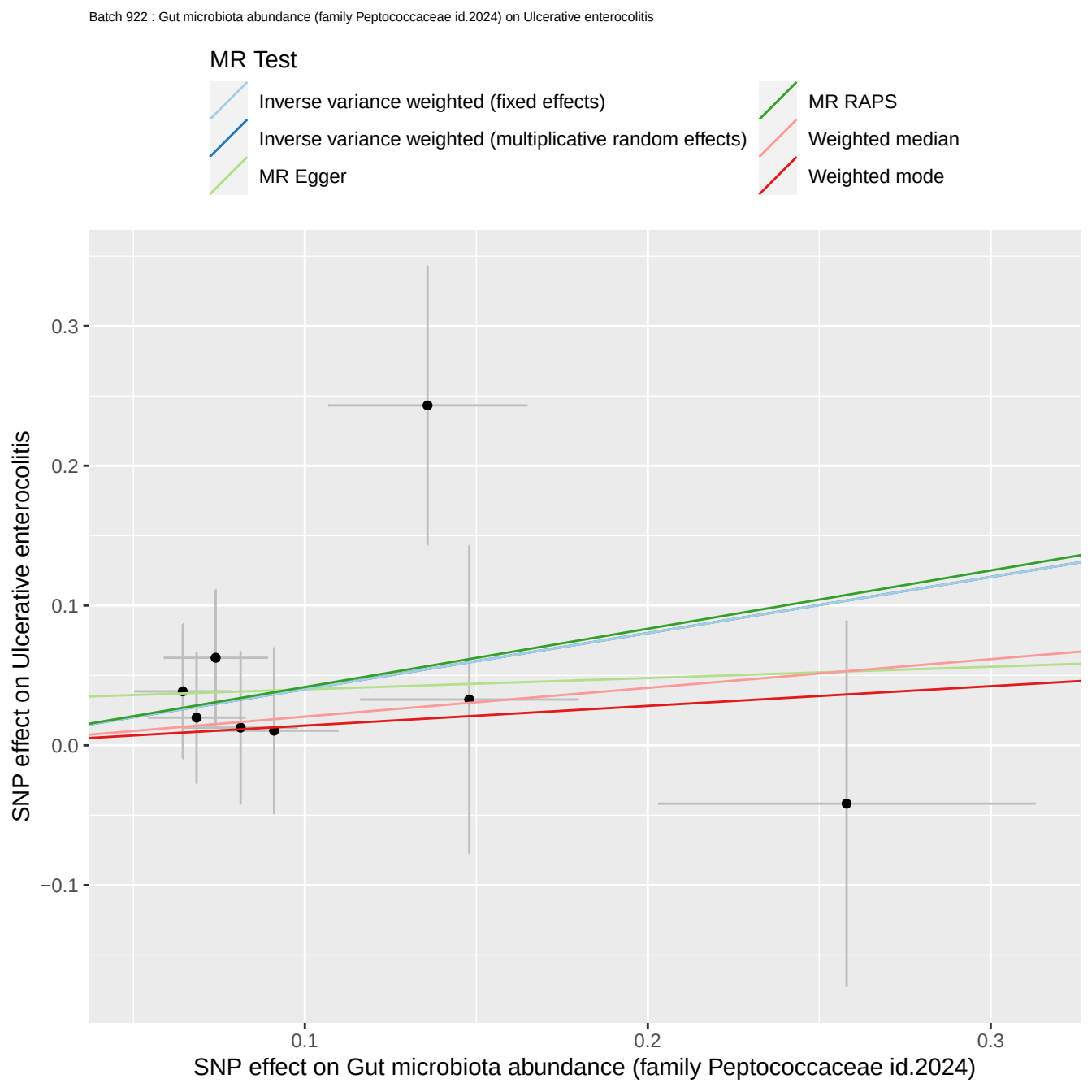

Batch 918 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.4
0.2
0.0
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

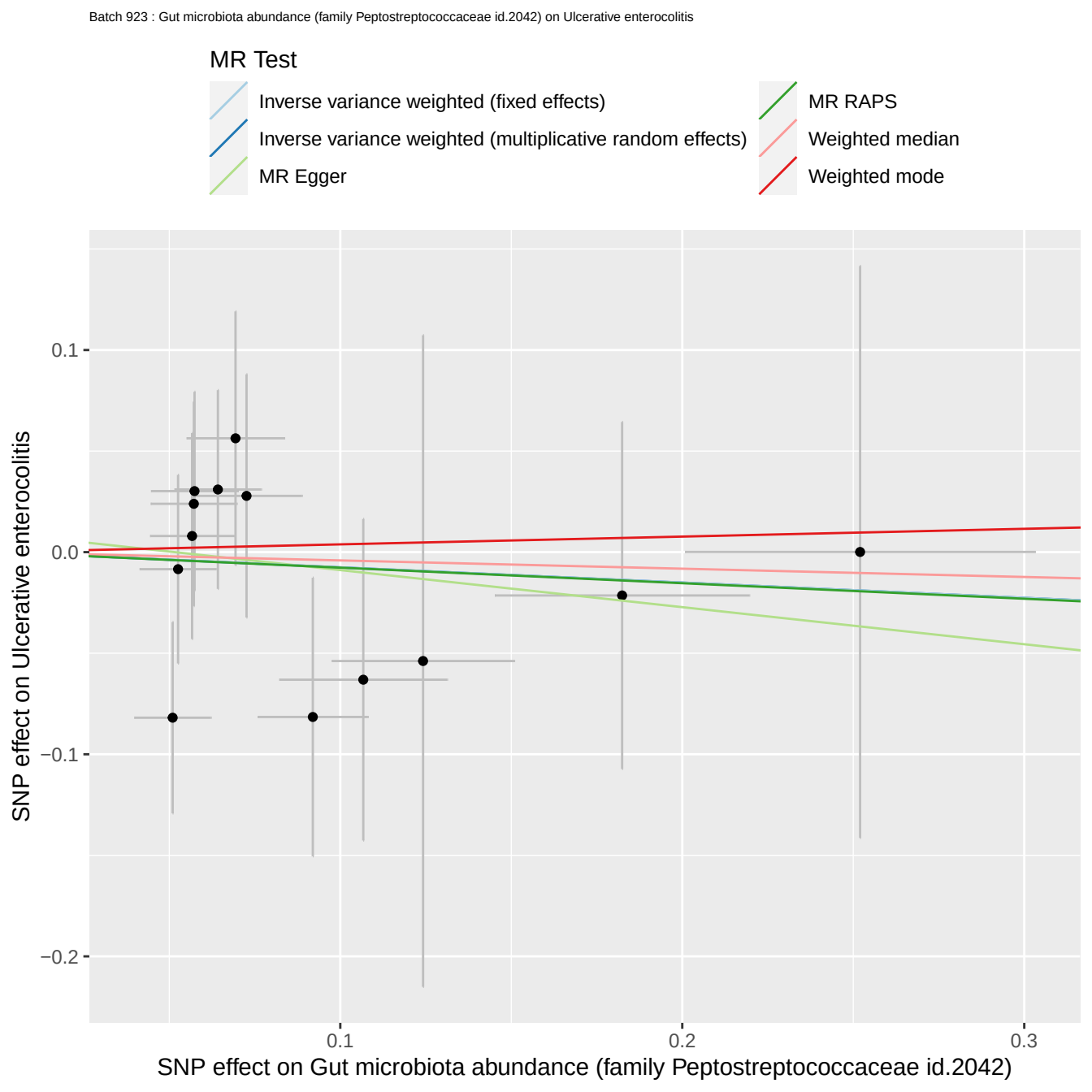
Batch 919 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Ulcerative enterocolitis

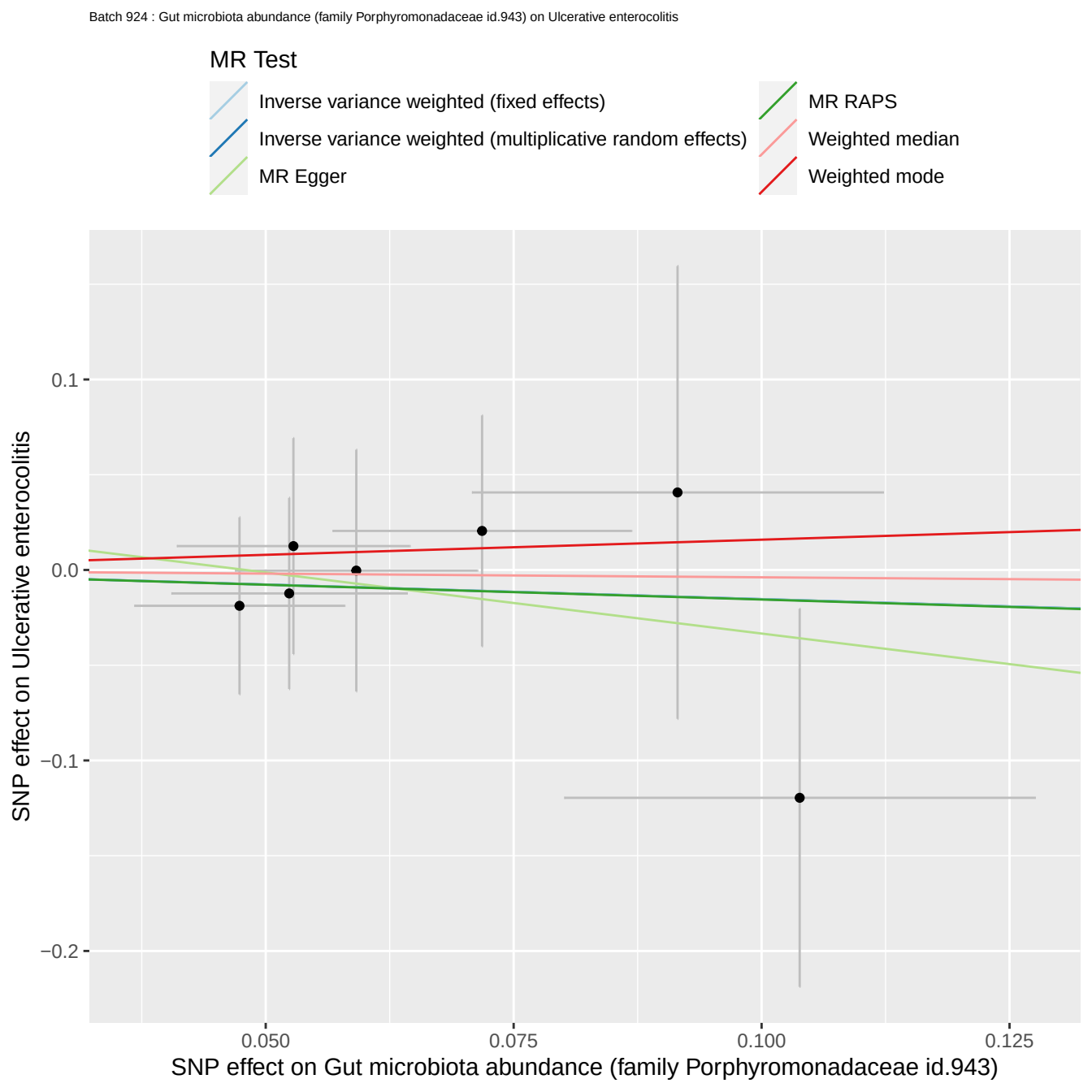



Batch 920 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.4
0.2
0.0
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)

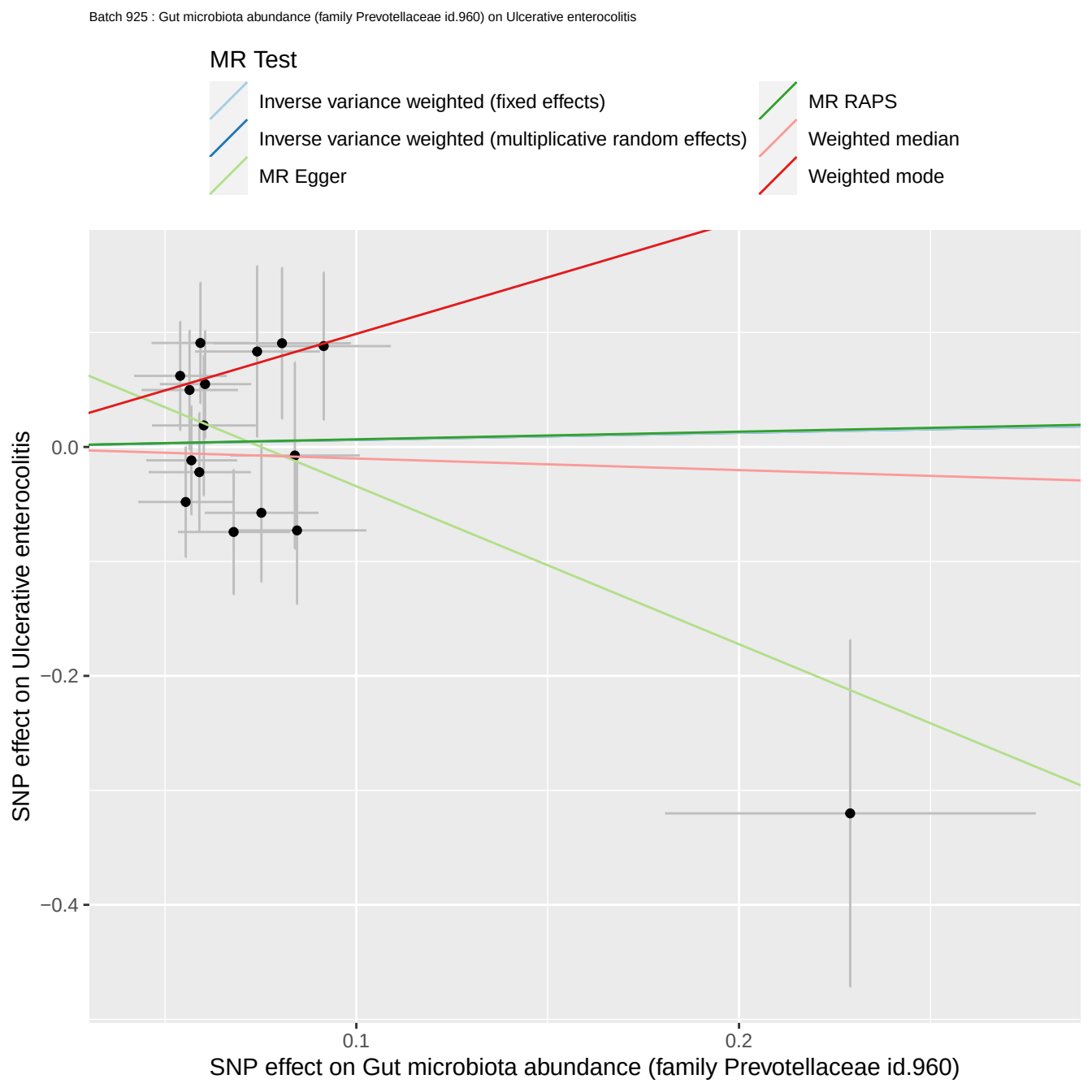

Batch 921 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

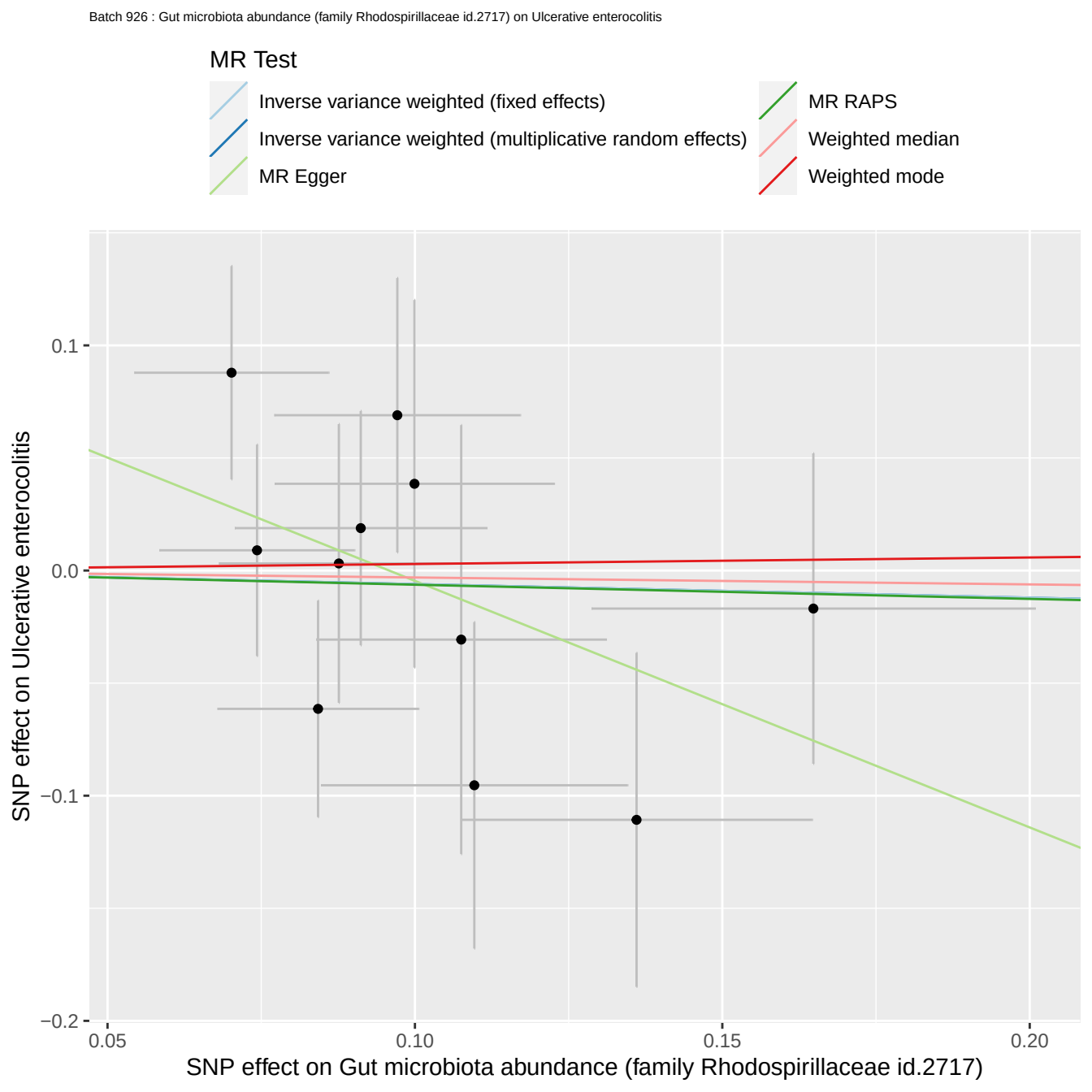

Batch 922 : Gut microbiota abundance (family Peptococcaceae id.2024) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)

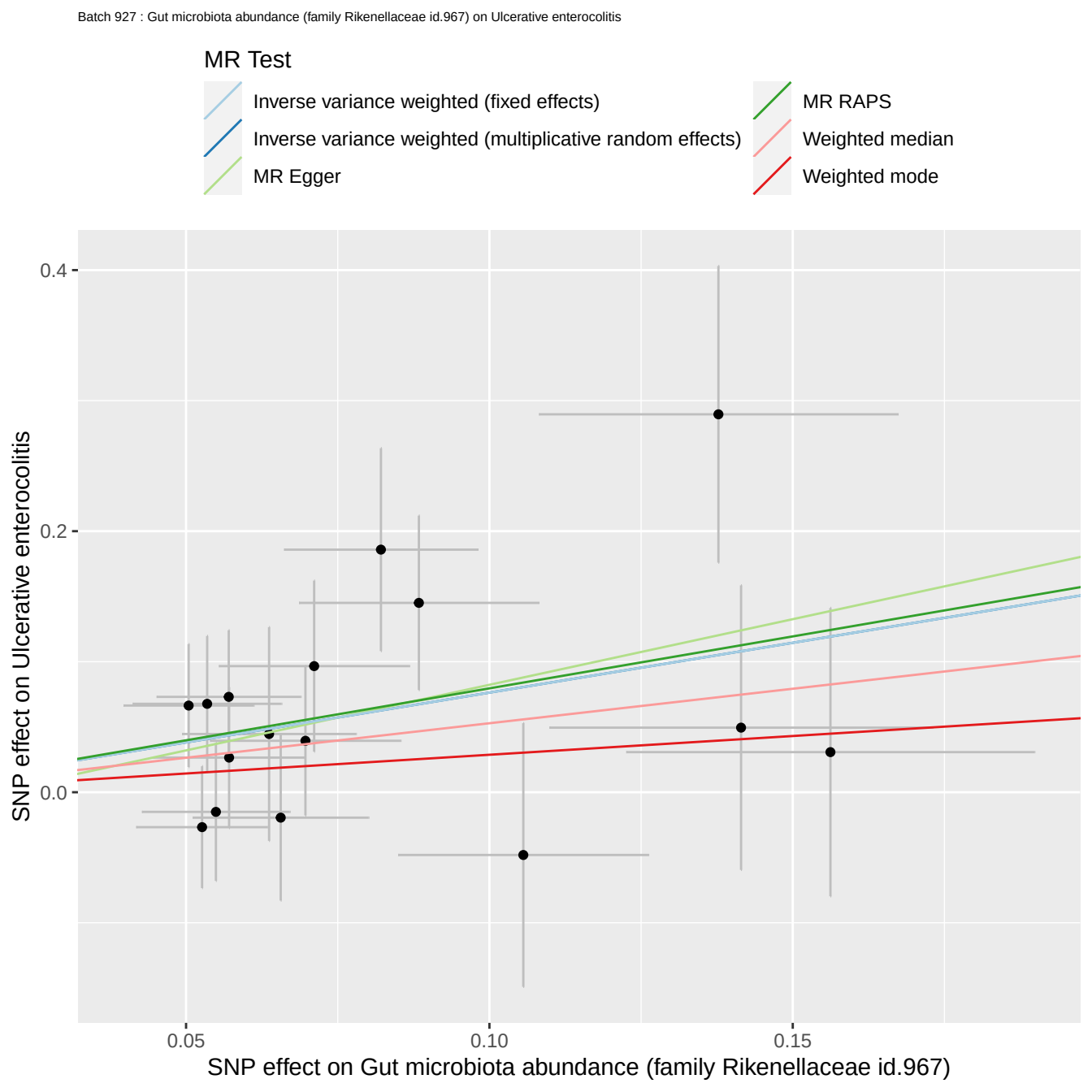

Batch 923 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

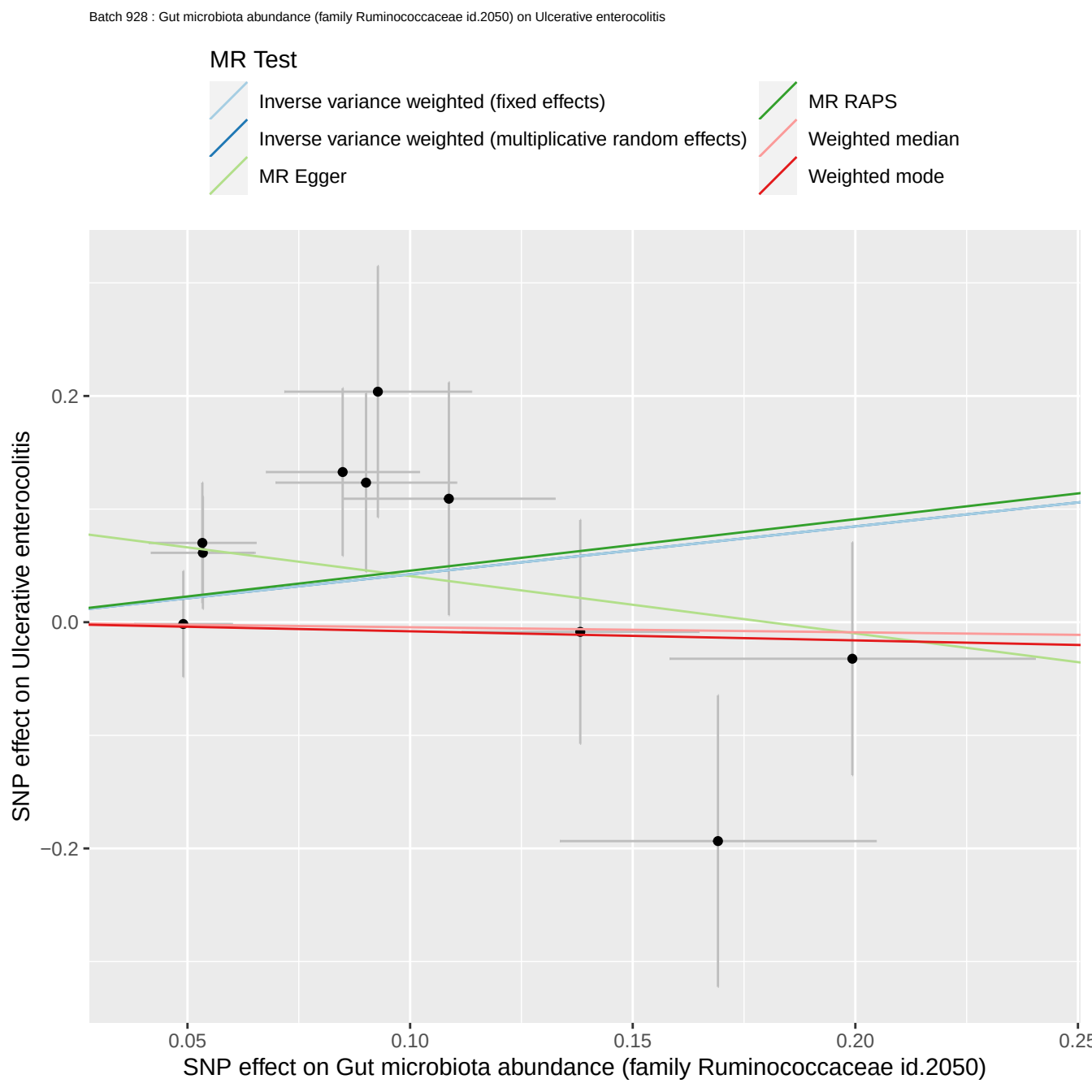

Batch 924 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

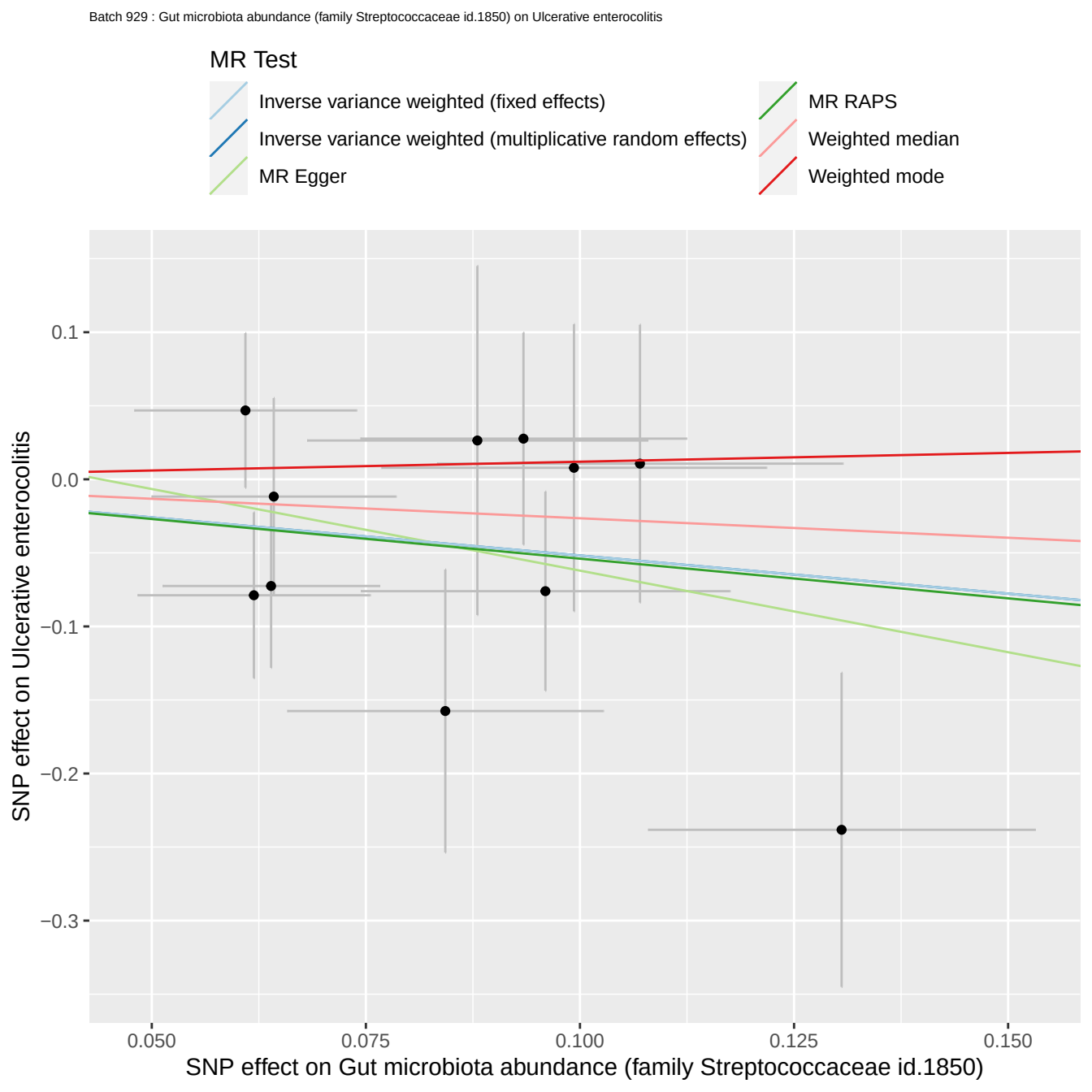
Batch 925 : Gut microbiota abundance (family Prevotellaceae id.960) on Ulcerative enterocolitis

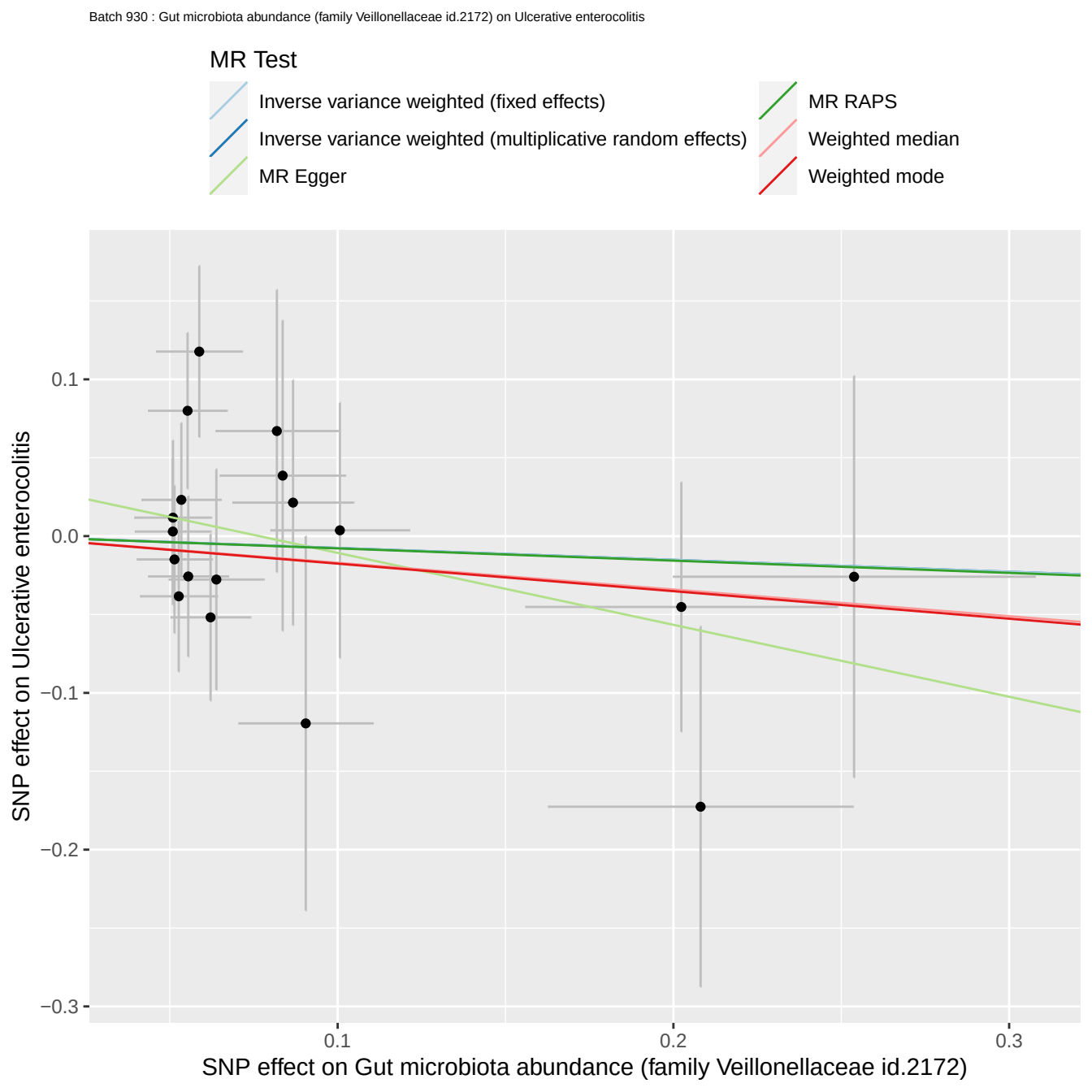


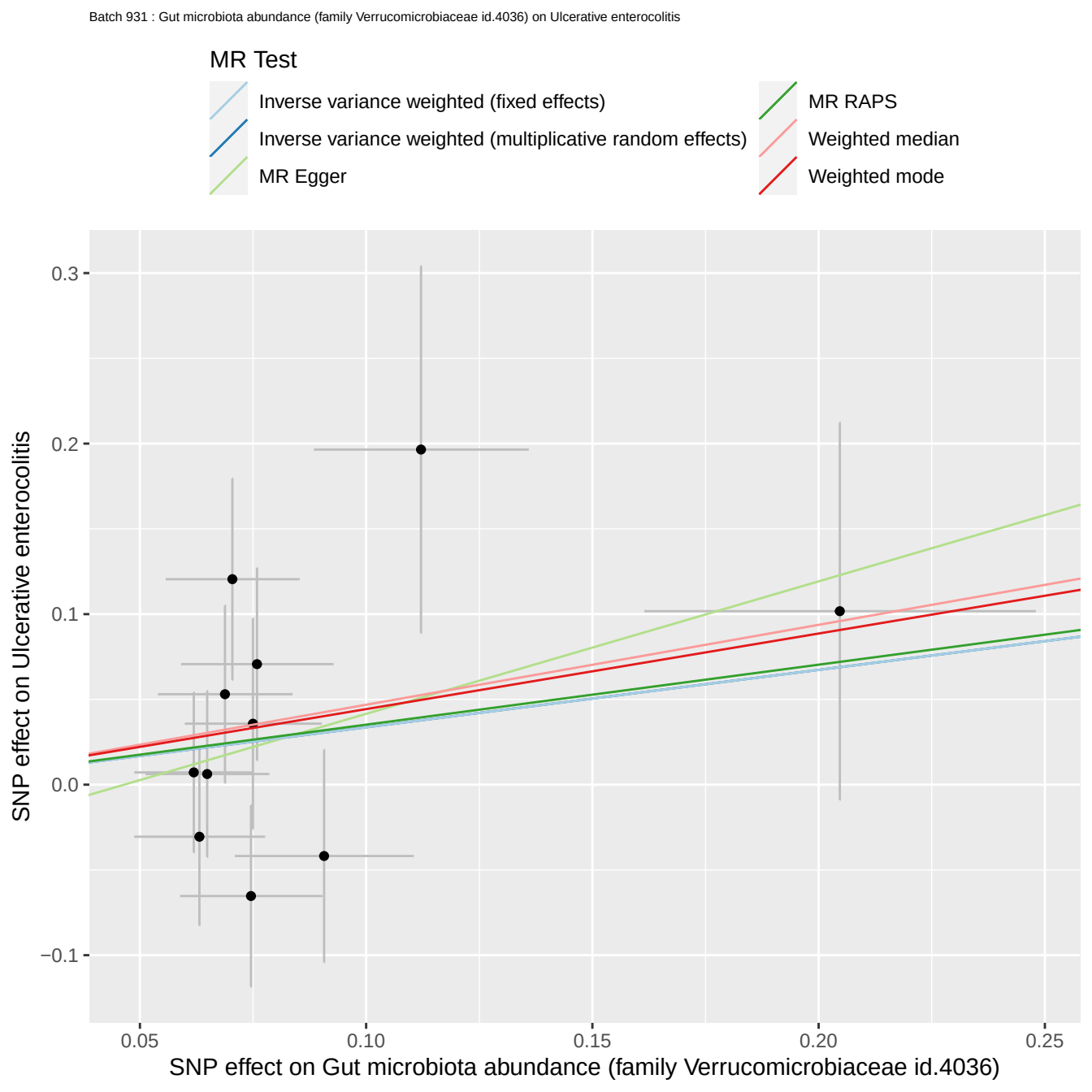

Batch 926 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)

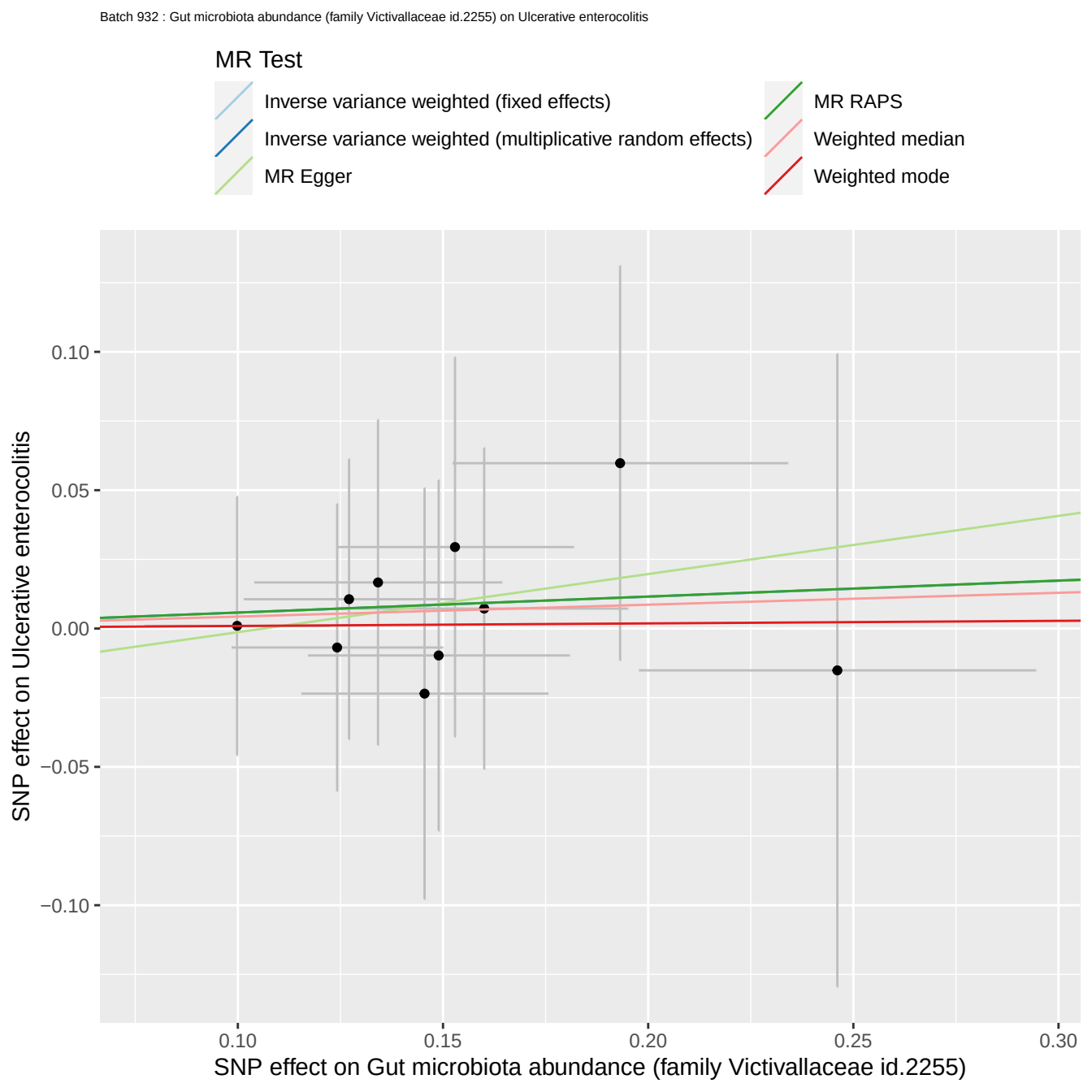

Batch 927 : Gut microbiota abundance (family Rikenellaceae id.967) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
SNP effect on Ulcerative enterocolitis
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

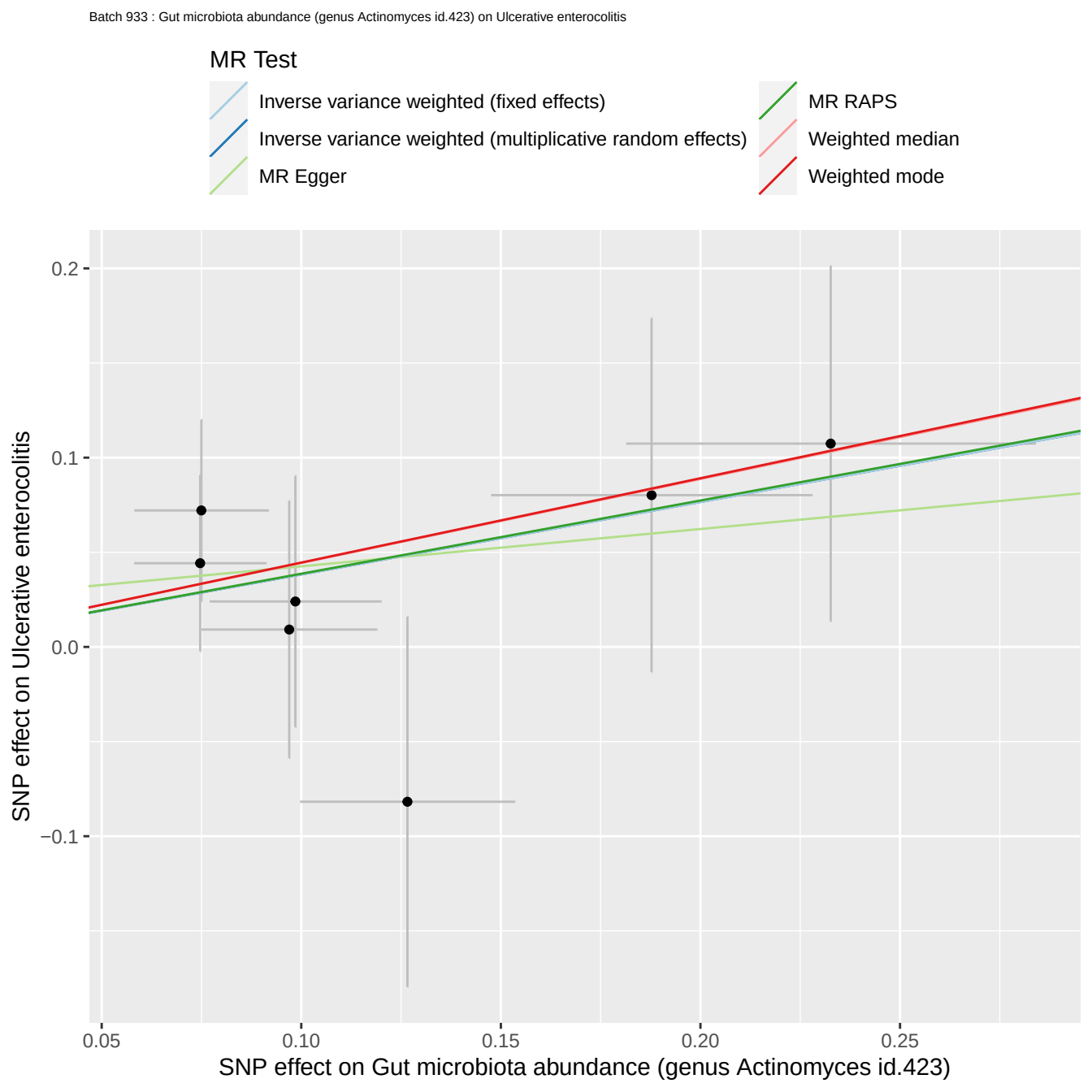

Batch 928 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

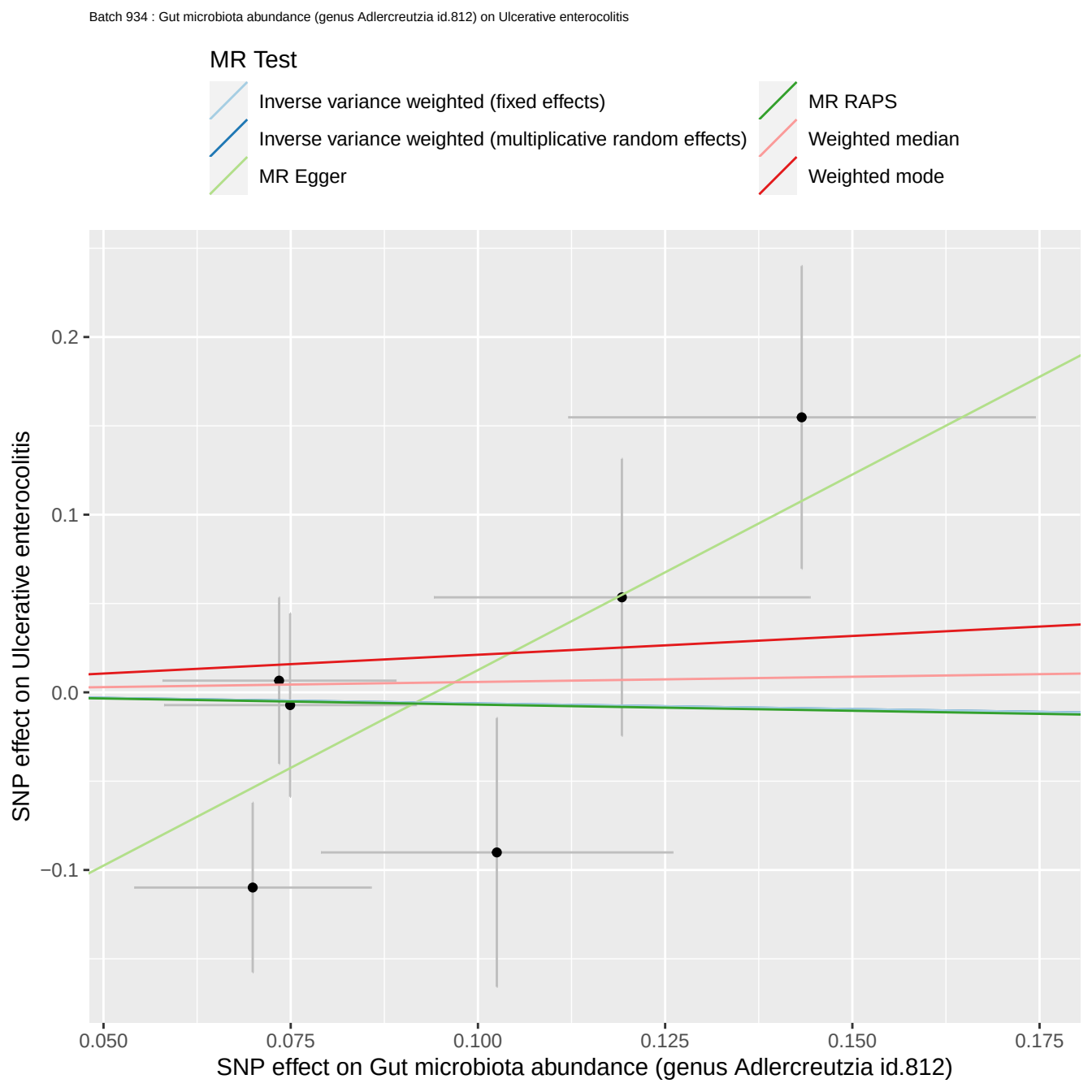

Batch 929 : Gut microbiota abundance (family Streptococcaceae id.1850) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

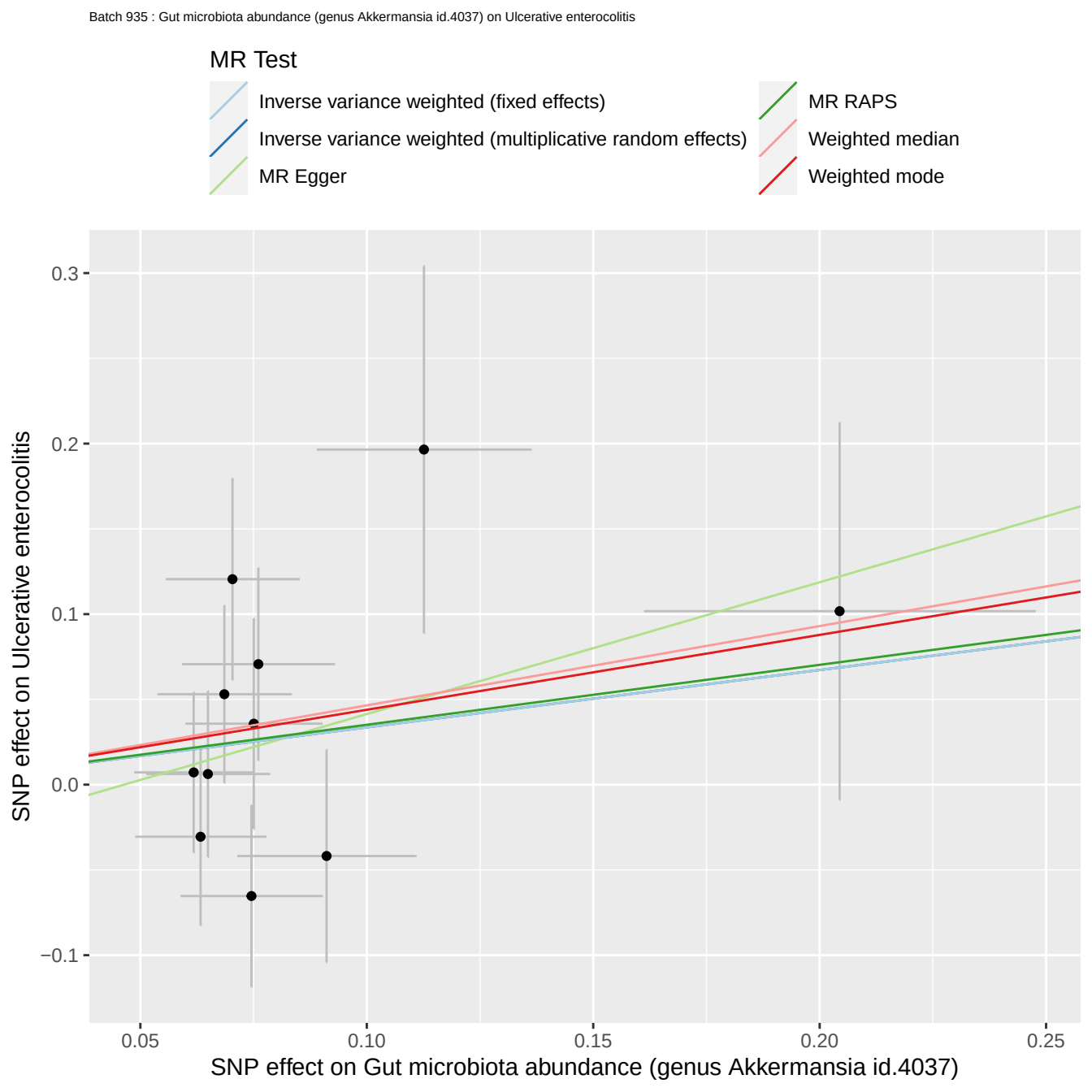

Batch 930 : Gut microbiota abundance (family Veillonellaceae id.2172) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)


Batch 931 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

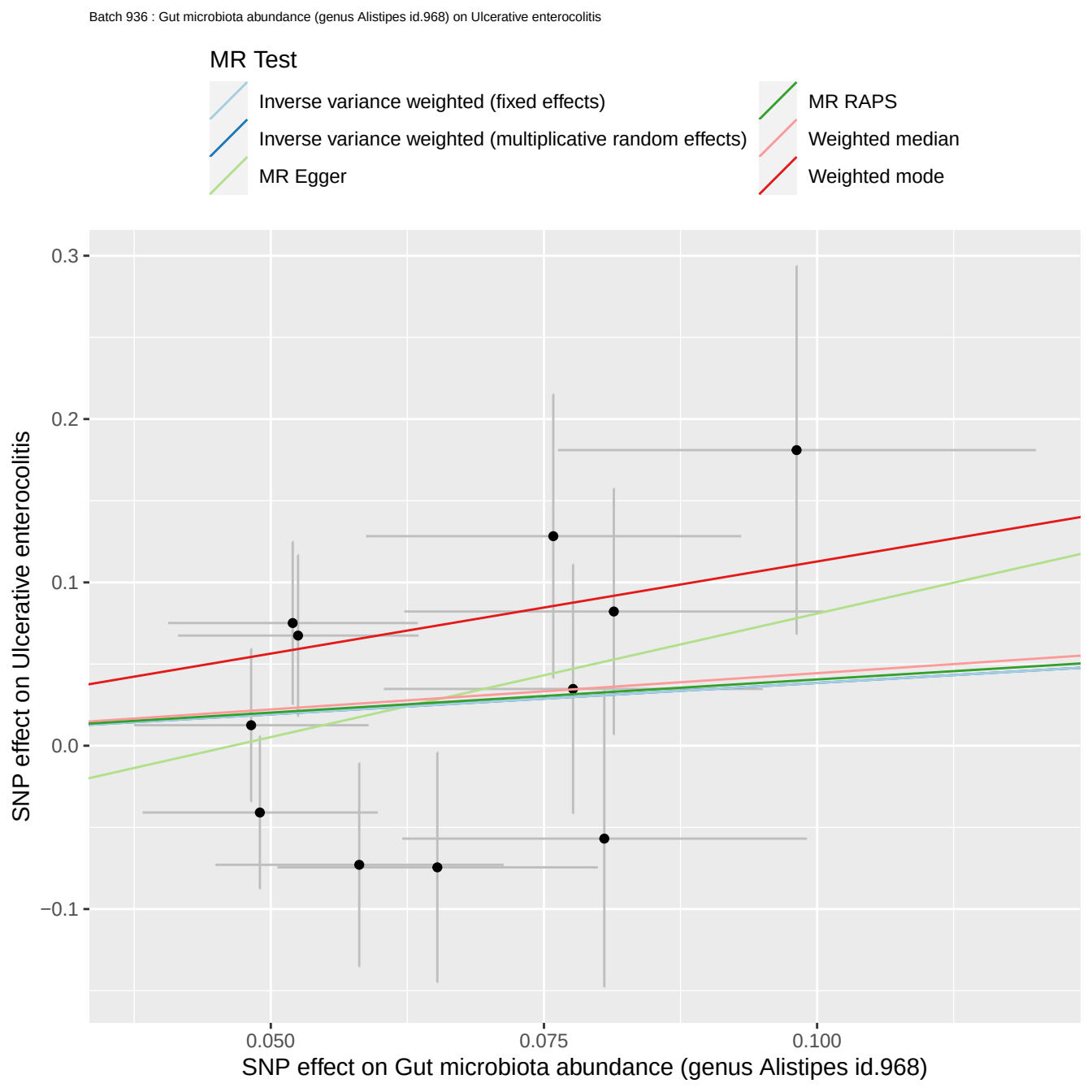

Batch 932 : Gut microbiota abundance (family Victivallaceae id.2255) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Victivallaceae id.2255)

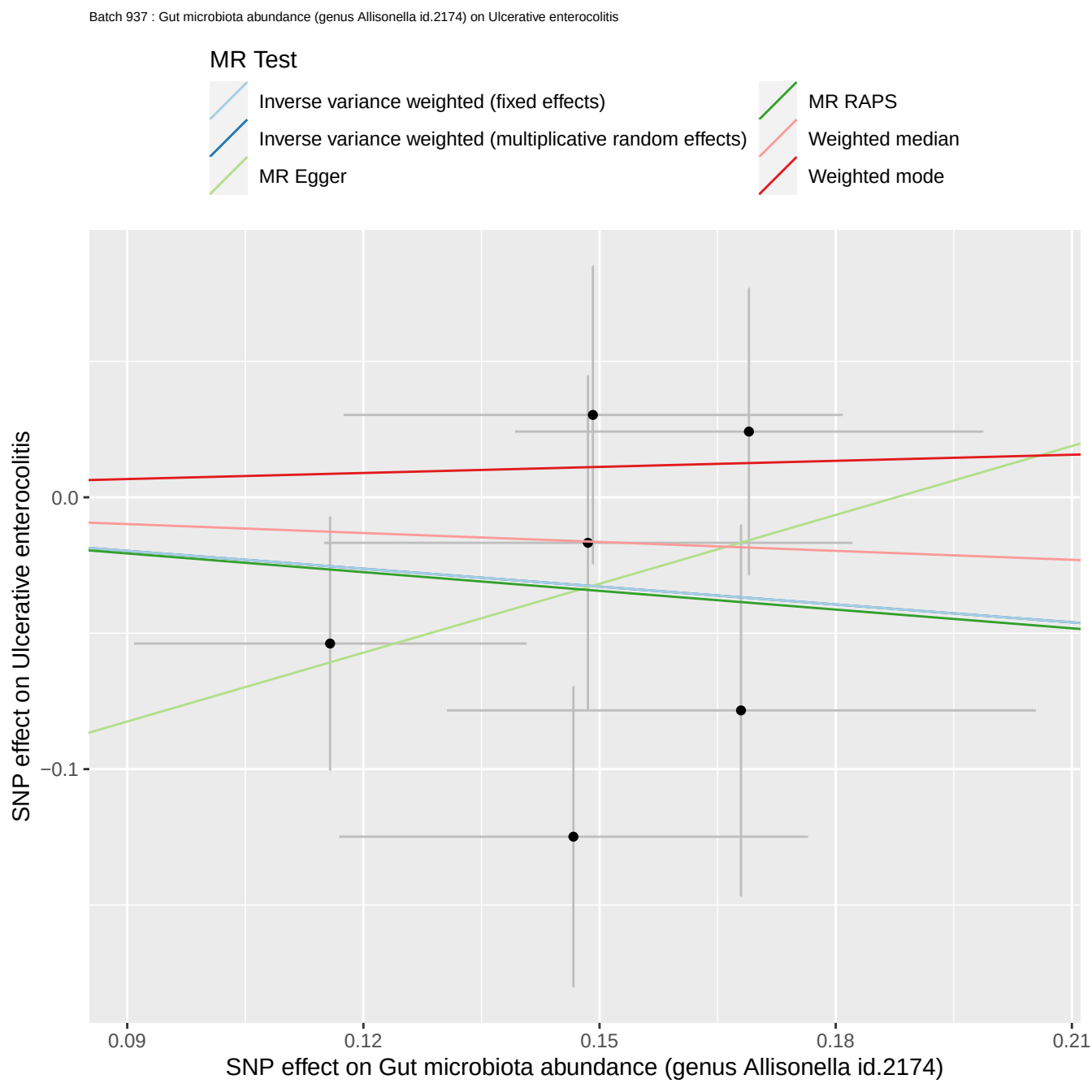

Batch 933 : Gut microbiota abundance (genus Actinomyces id.423) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

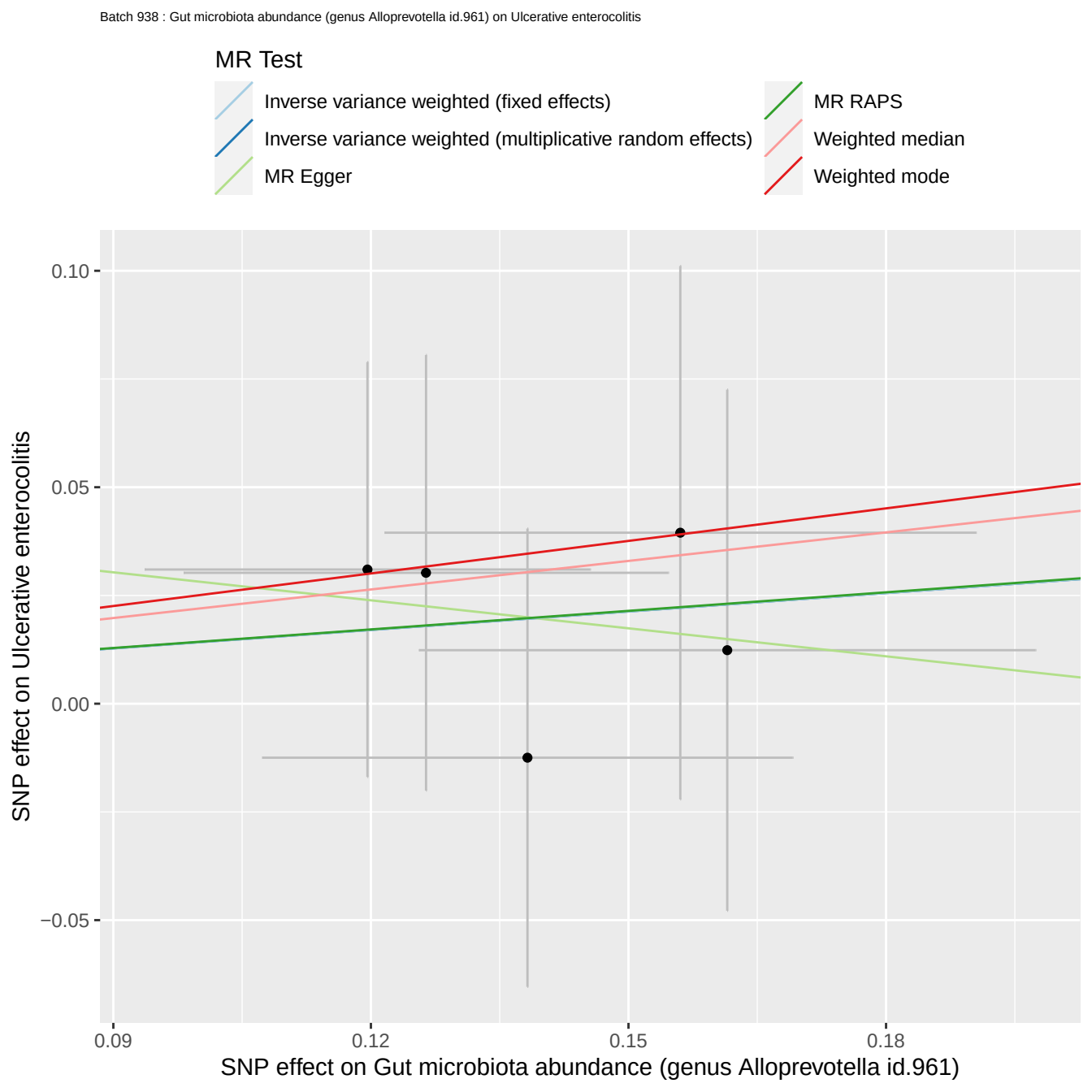

Batch 934 : Gut microbiota abundance (genus Adlercreutzia id.812) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

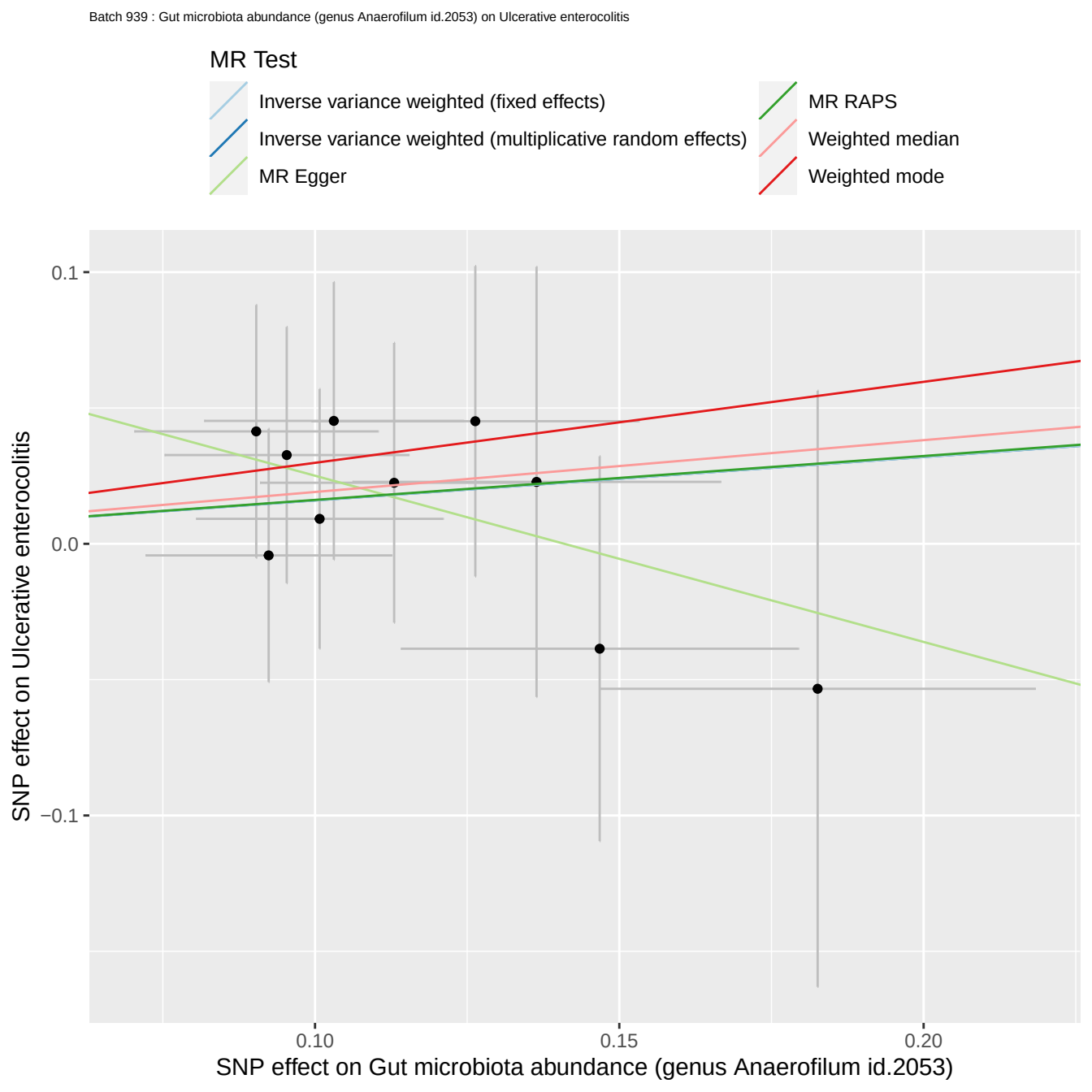

Batch 935 : Gut microbiota abundance (genus Akkermansia id.4037) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

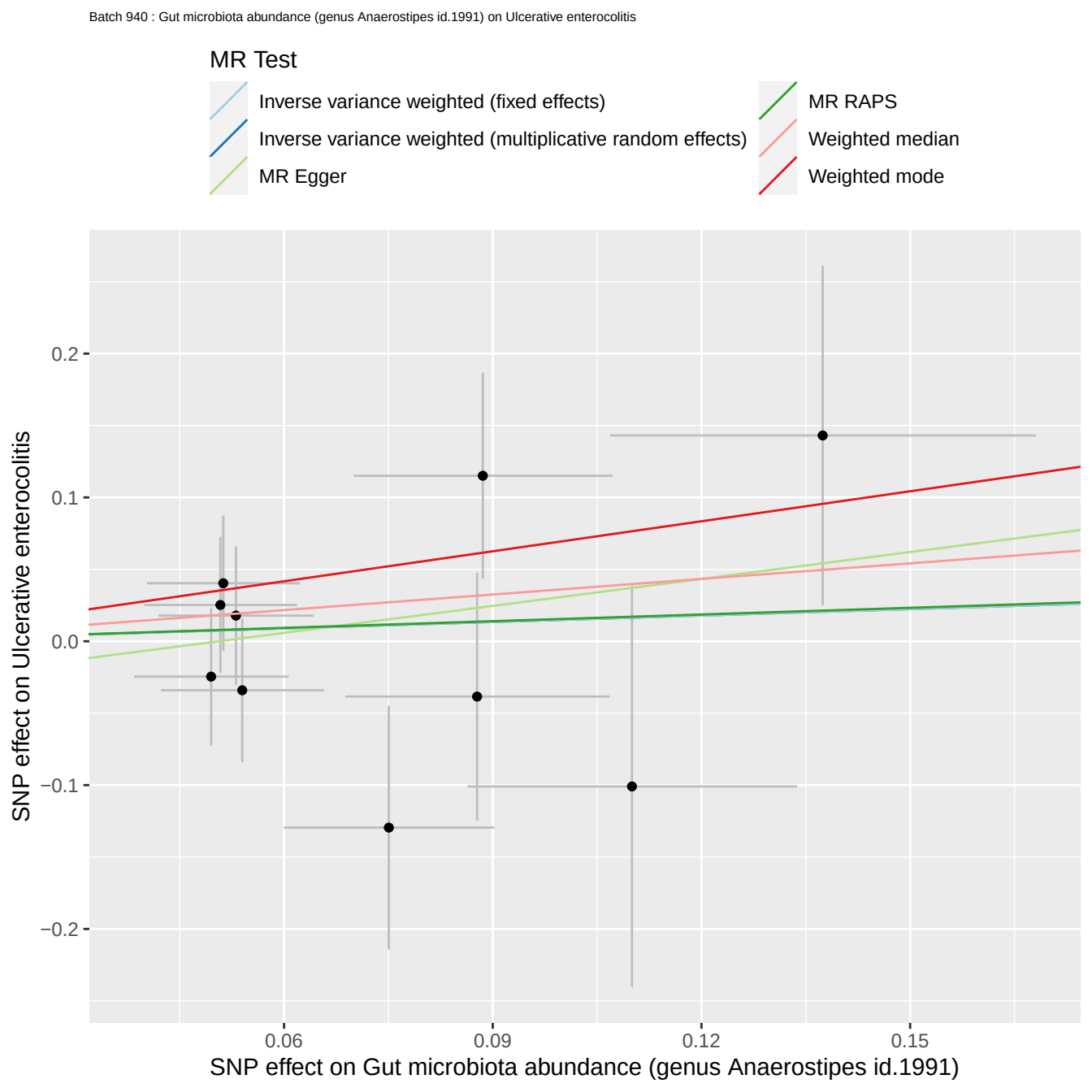
Batch 936 : Gut microbiota abundance (genus Alistipes id.968) on Ulcerative enterocolitis



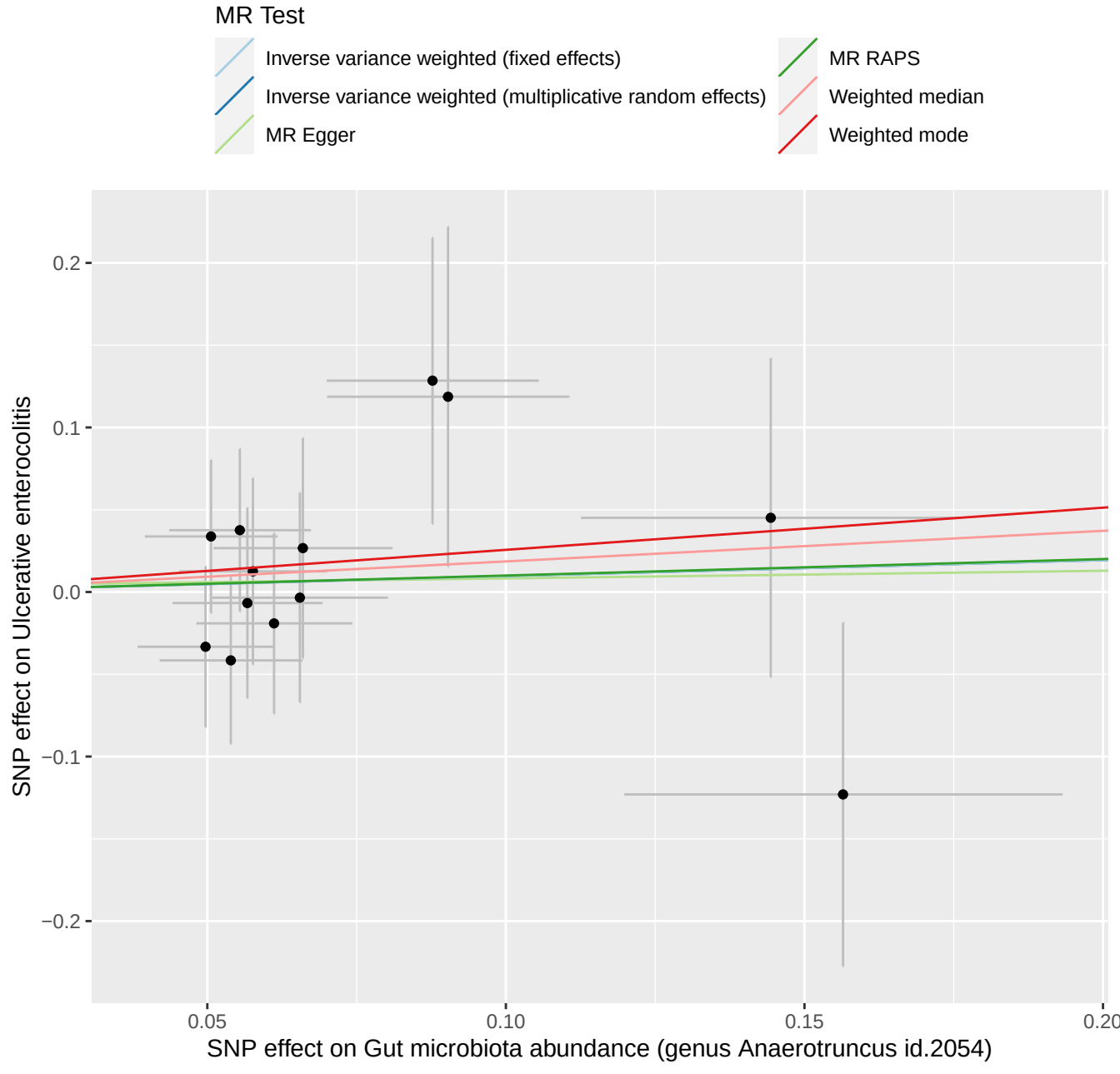

Batch 937 : Gut microbiota abundance (genus Allisonella id.2174) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.0
−0.1
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

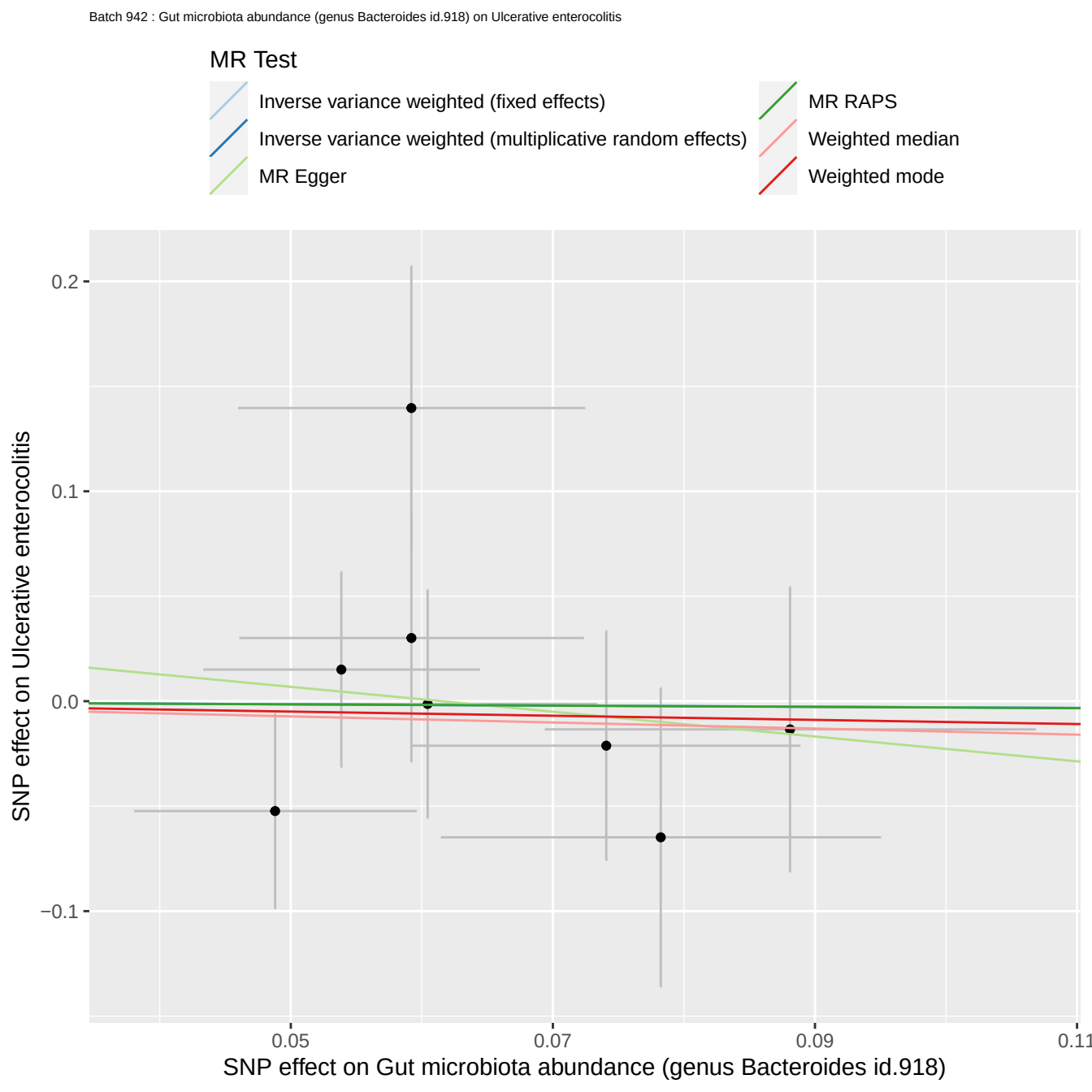

Batch 938 : Gut microbiota abundance (genus Alloprevotella id.961) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative enterocolitis
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

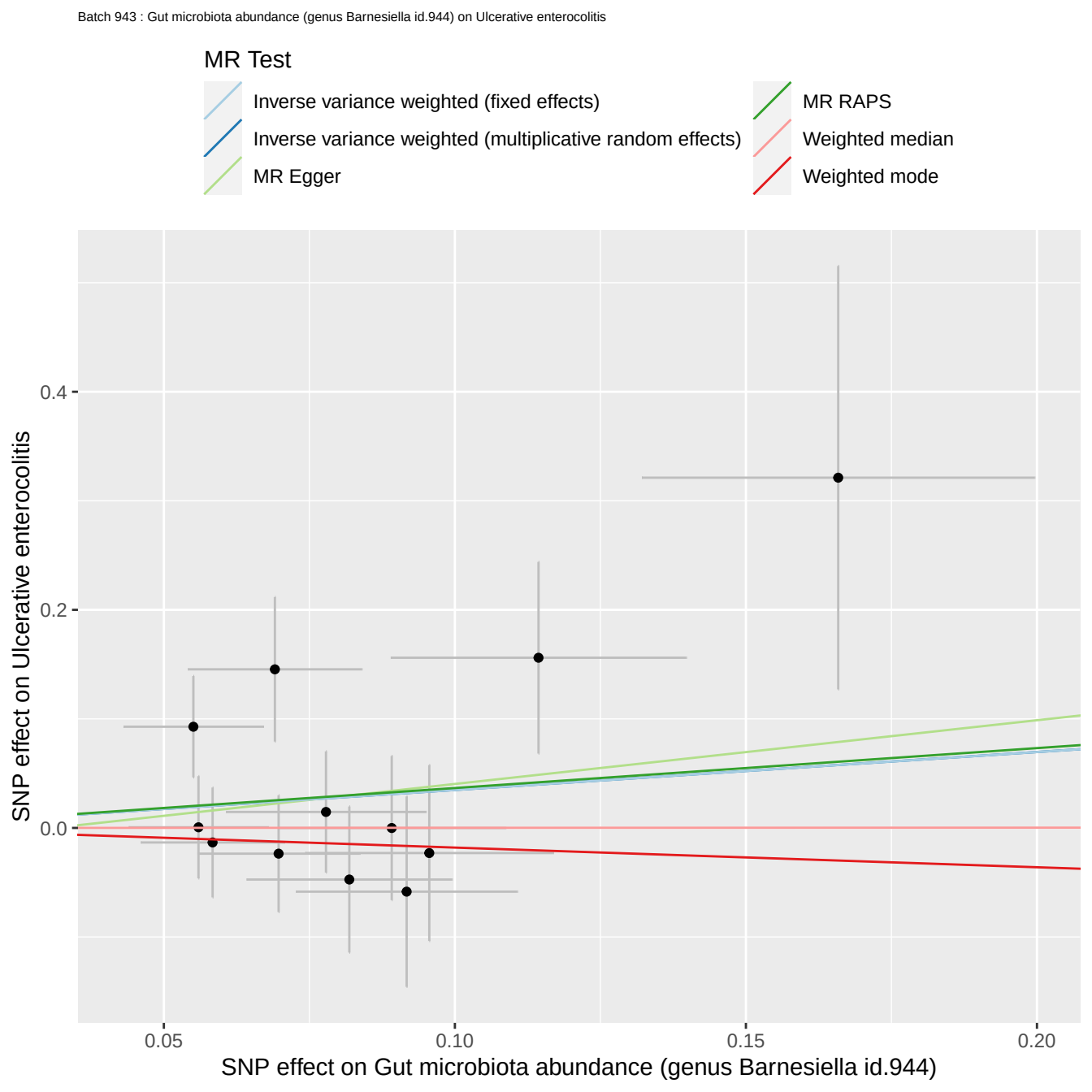

Batch 939 : Gut microbiota abundance (genus Anaerofilum id.2053) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

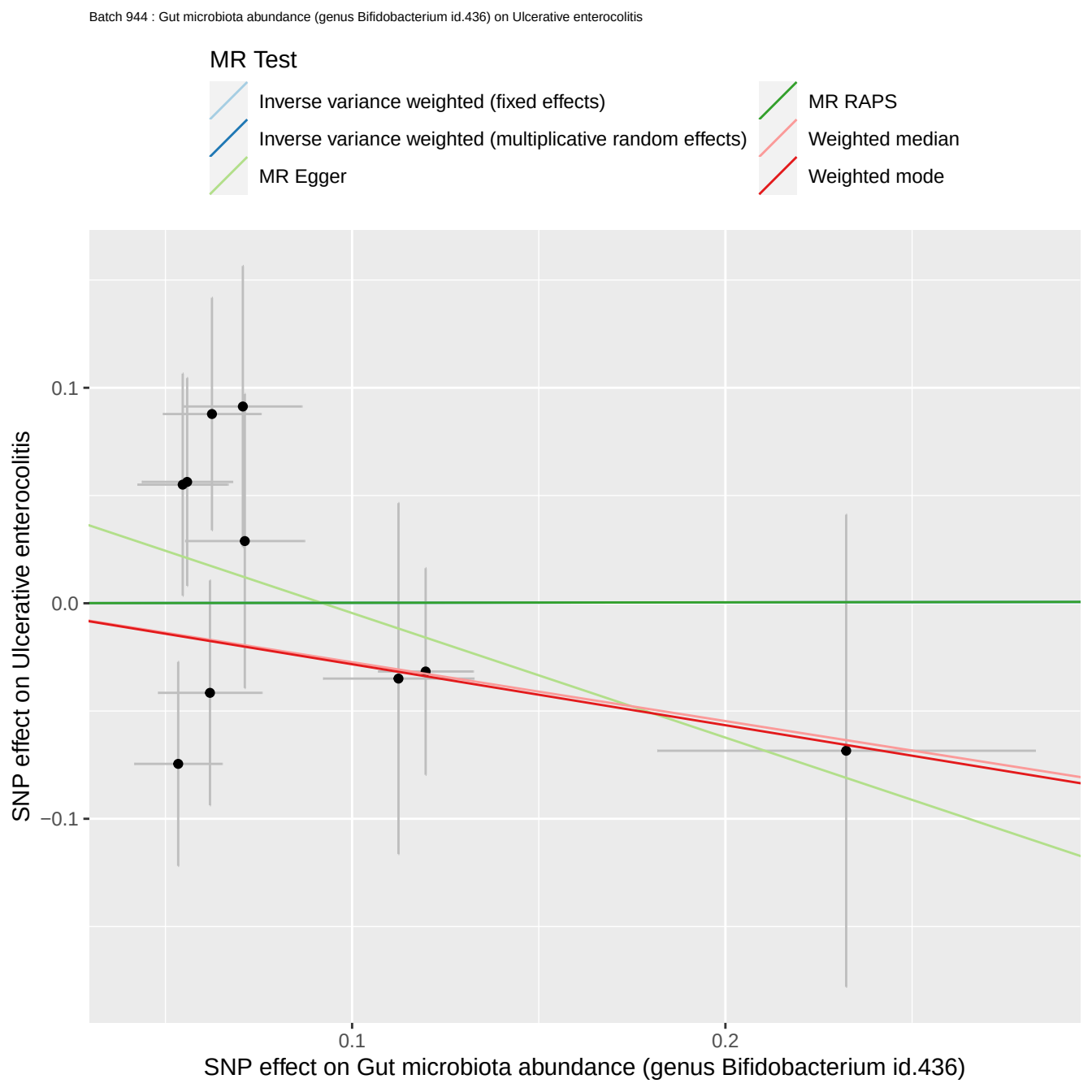

Batch 940 : Gut microbiota abundance (genus Anaerostipes id.1991) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)

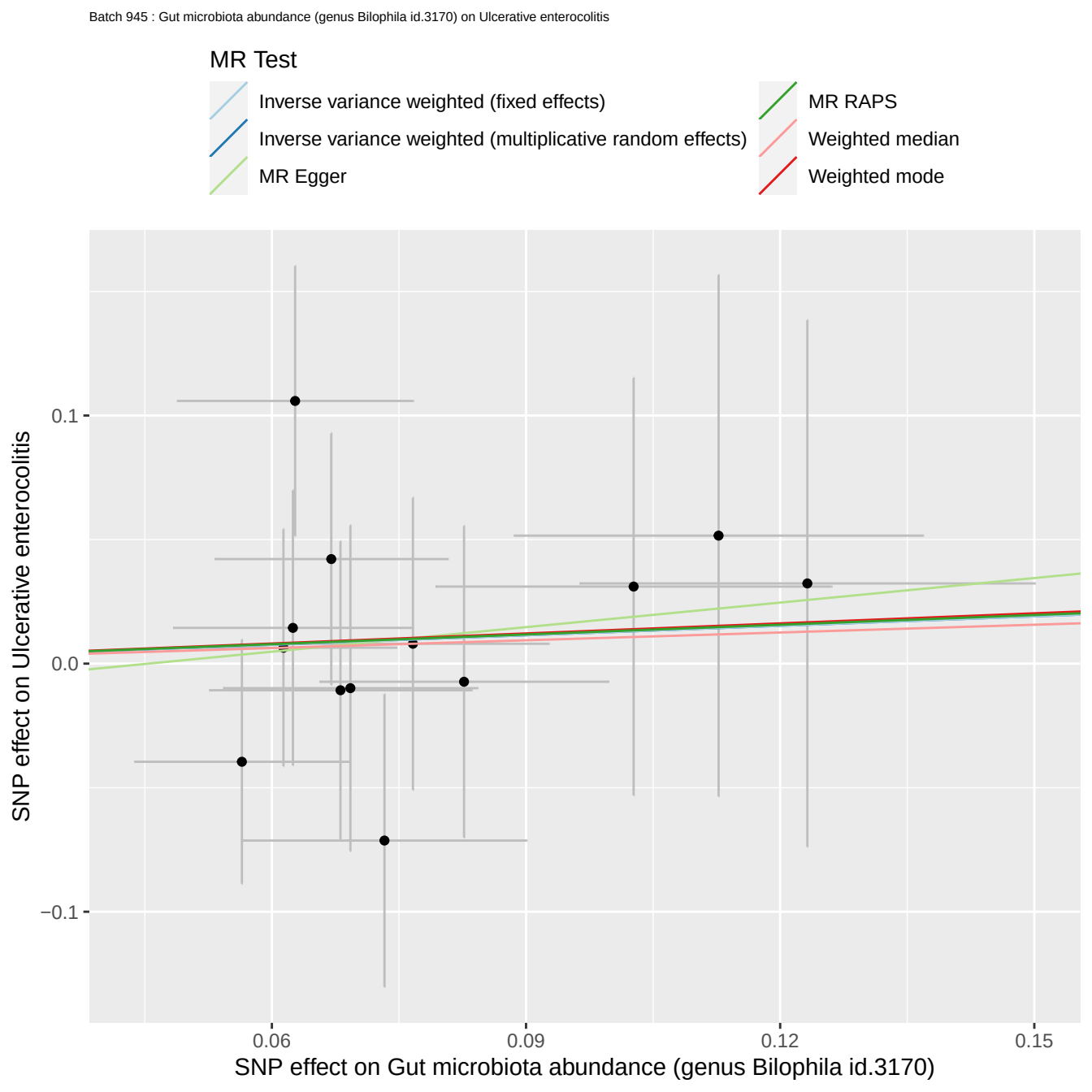
Batch 941 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Ulcerative enterocolitis



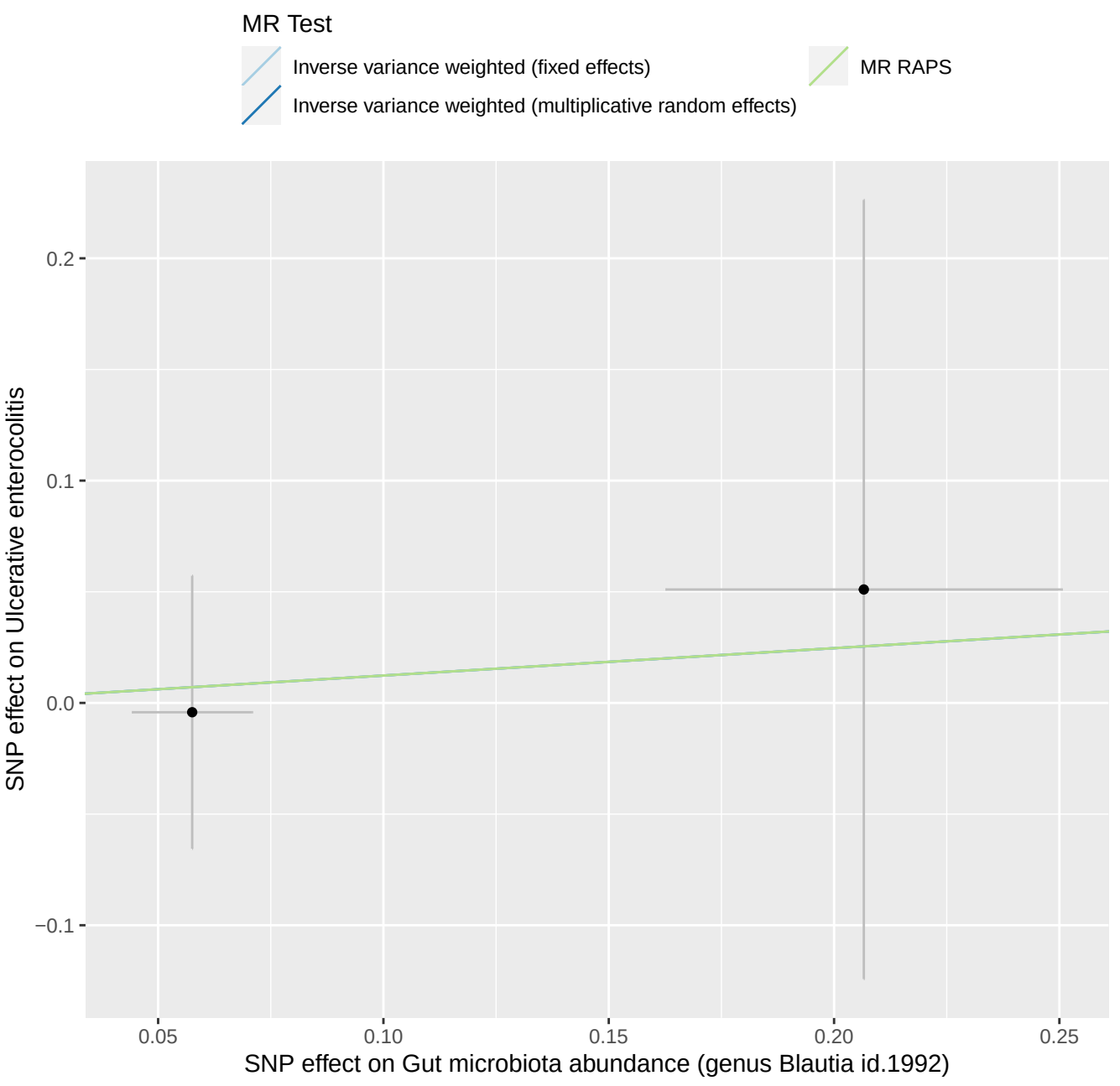

Batch 942 : Gut microbiota abundance (genus Bacteroides id.918) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.07
0.09
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

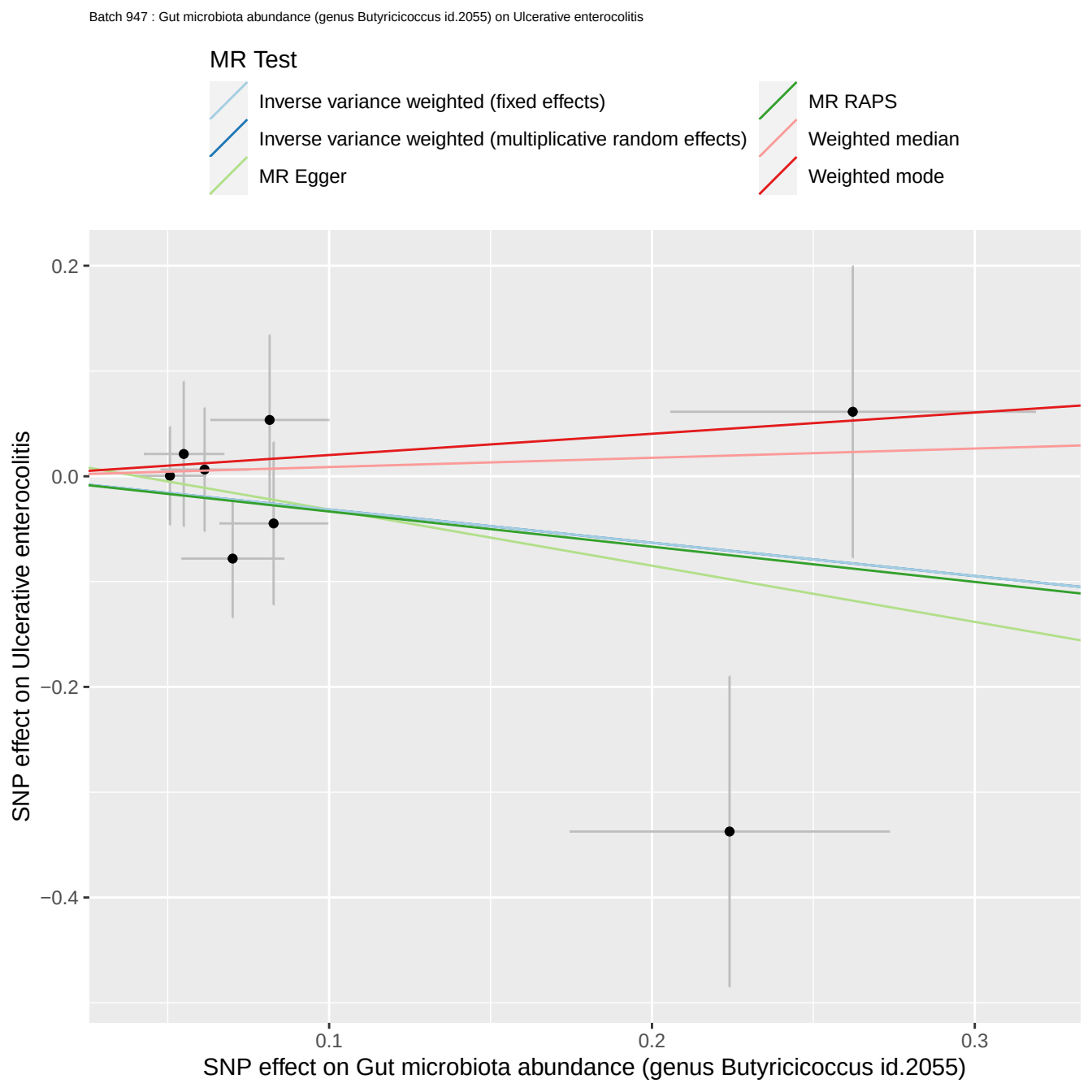

Batch 943 : Gut microbiota abundance (genus Barnesiella id.944) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.4
0.2
0.0
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

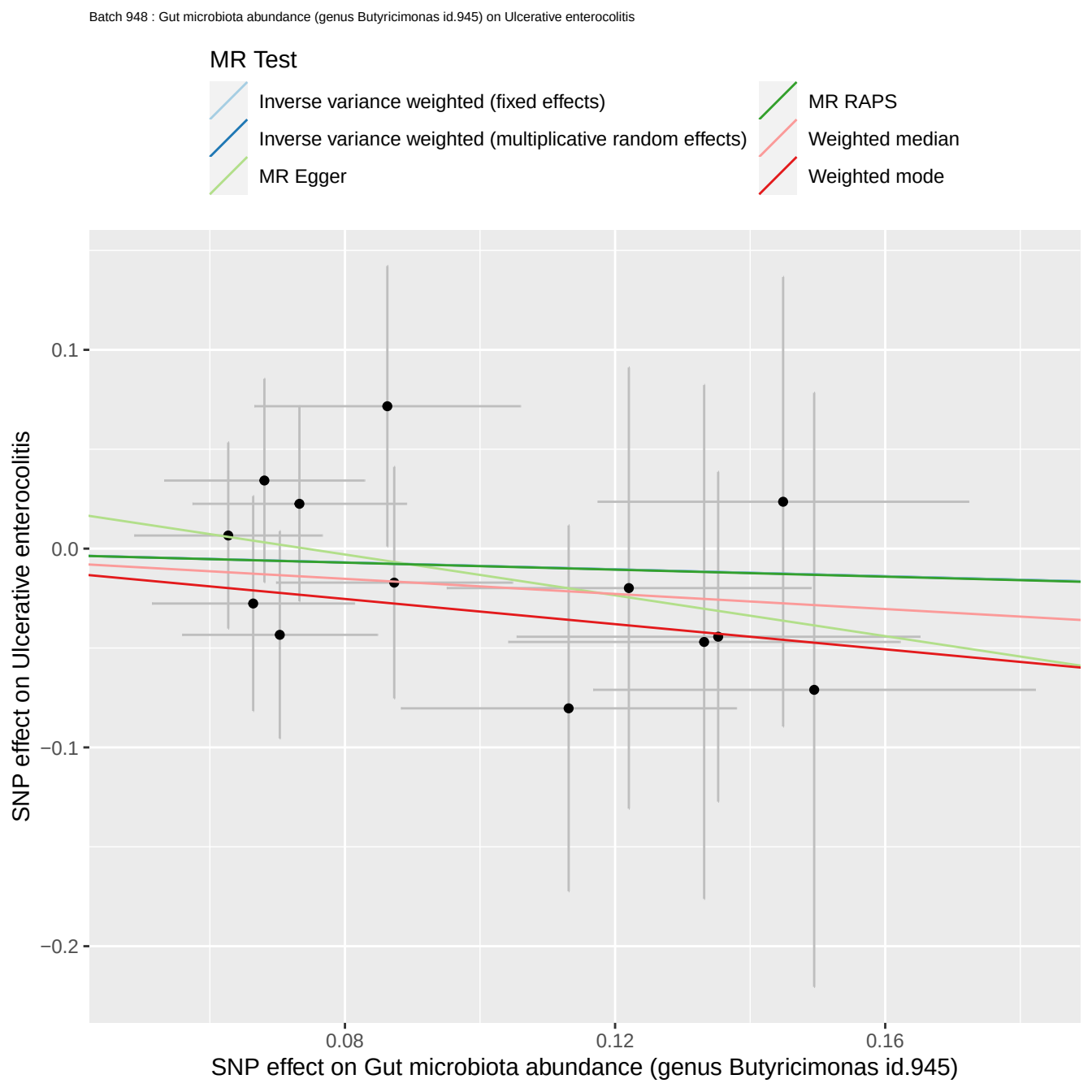

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)

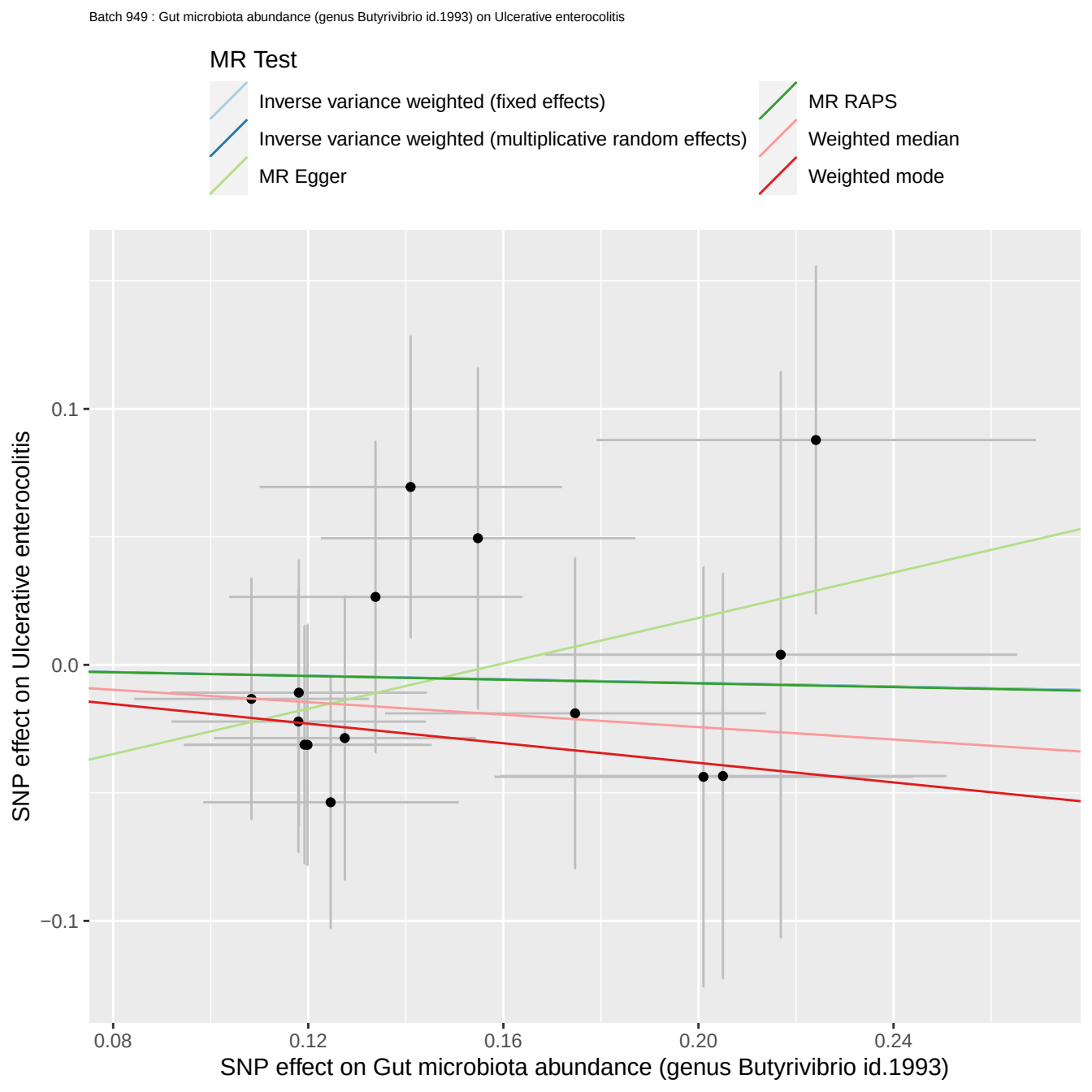

Batch 945 : Gut microbiota abundance (genus Bilophila id.3170) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

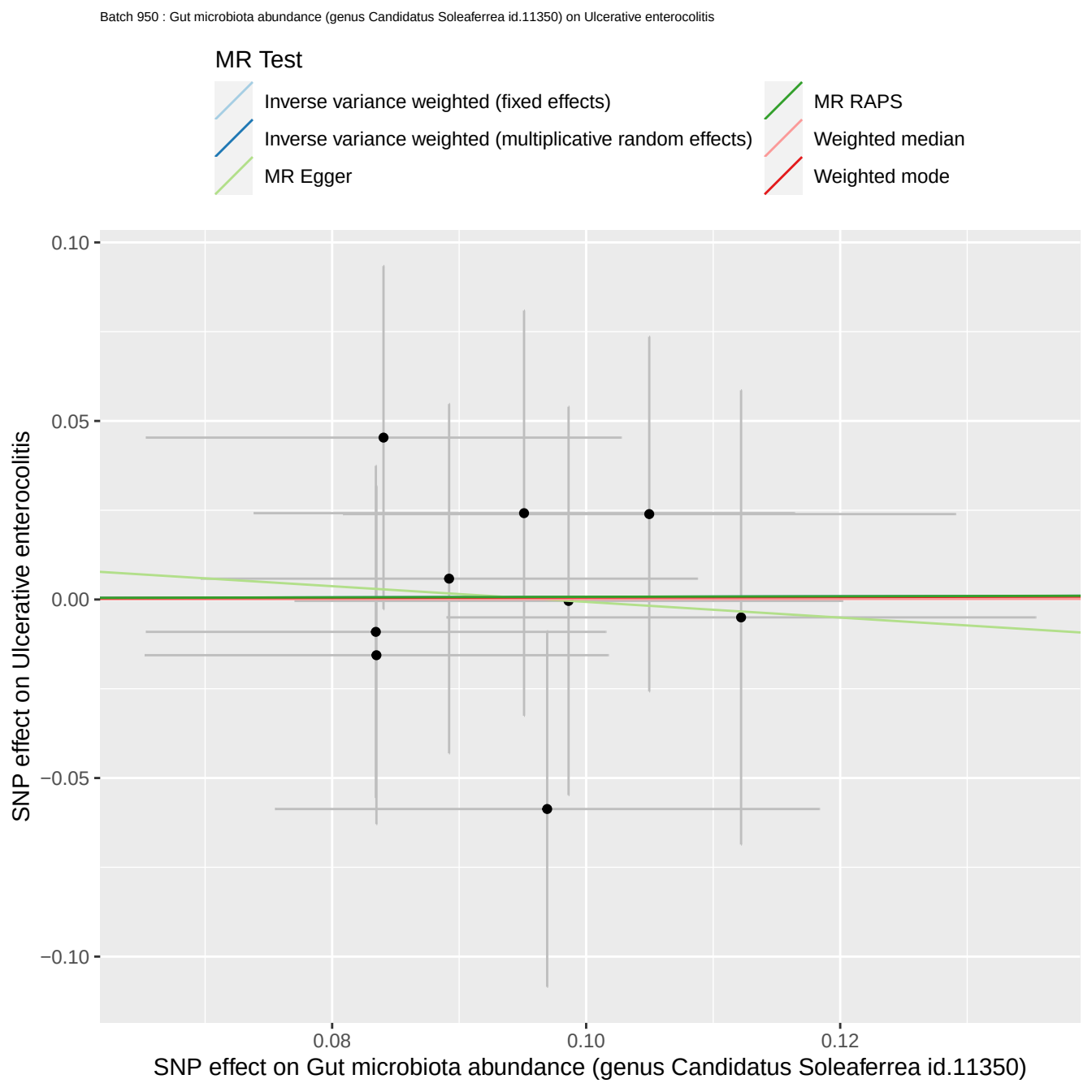
Batch 946 : Gut microbiota abundance (genus Blautia id.1992) on Ulcerative enterocolitis

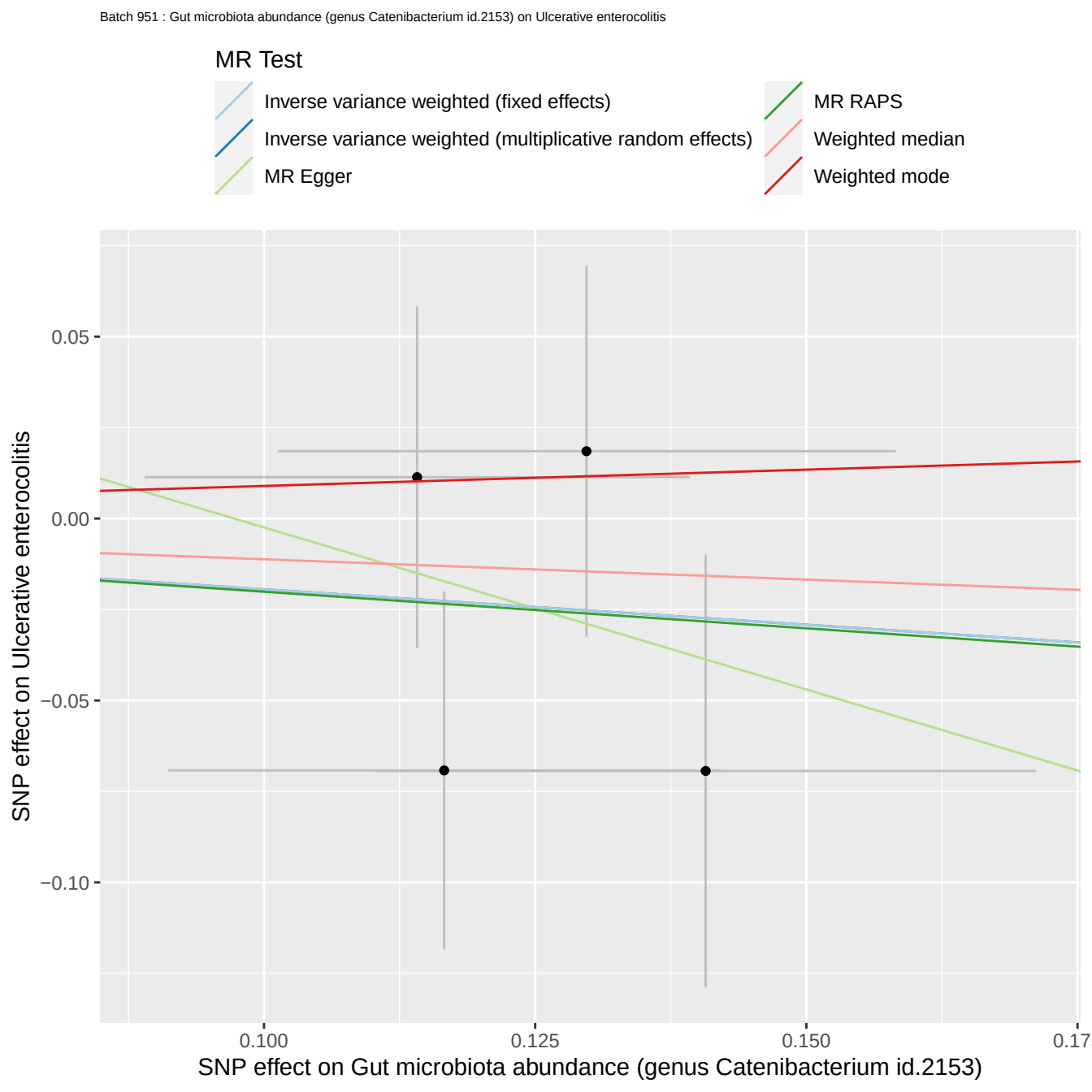


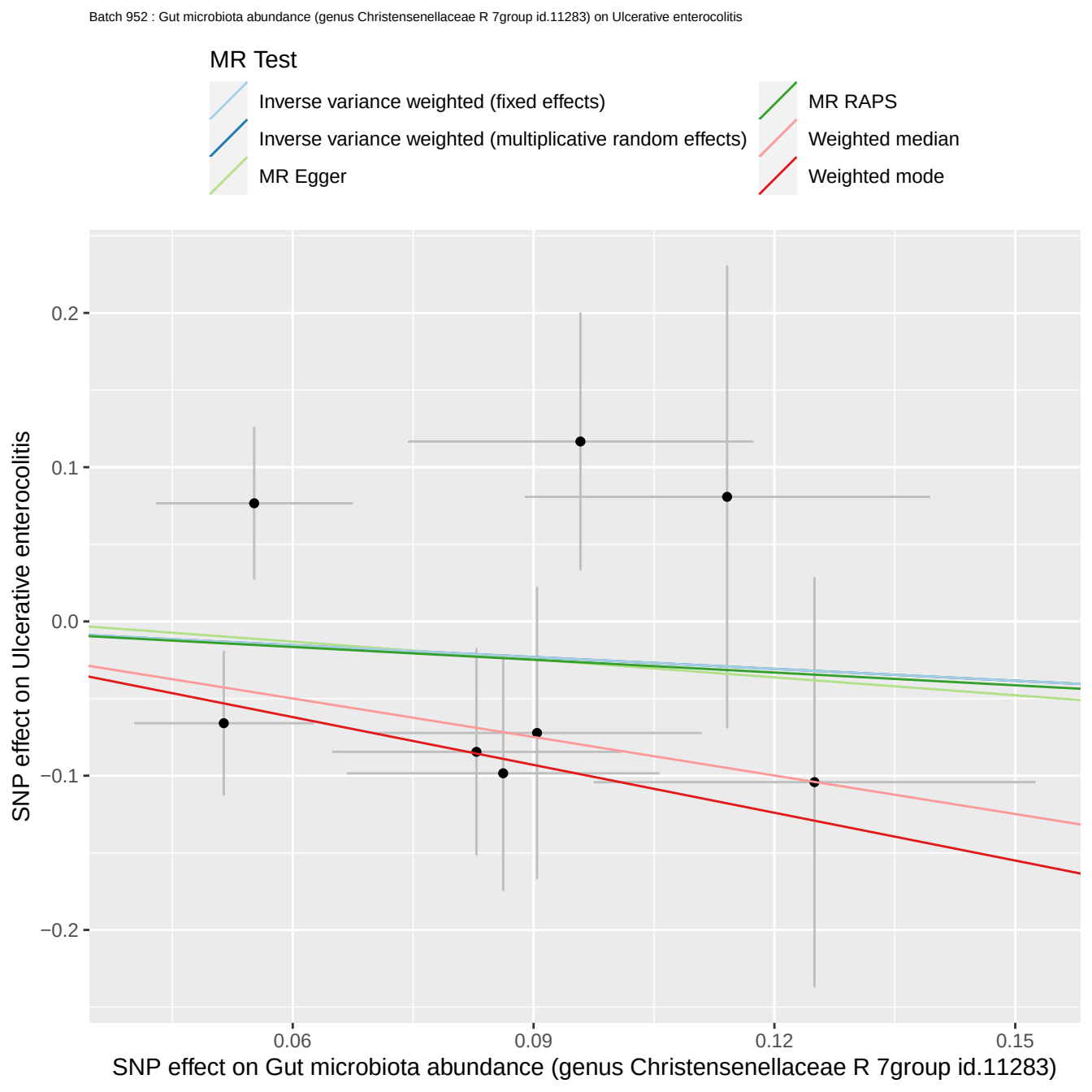

Batch 947 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.0
−0.2
−0.4
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)

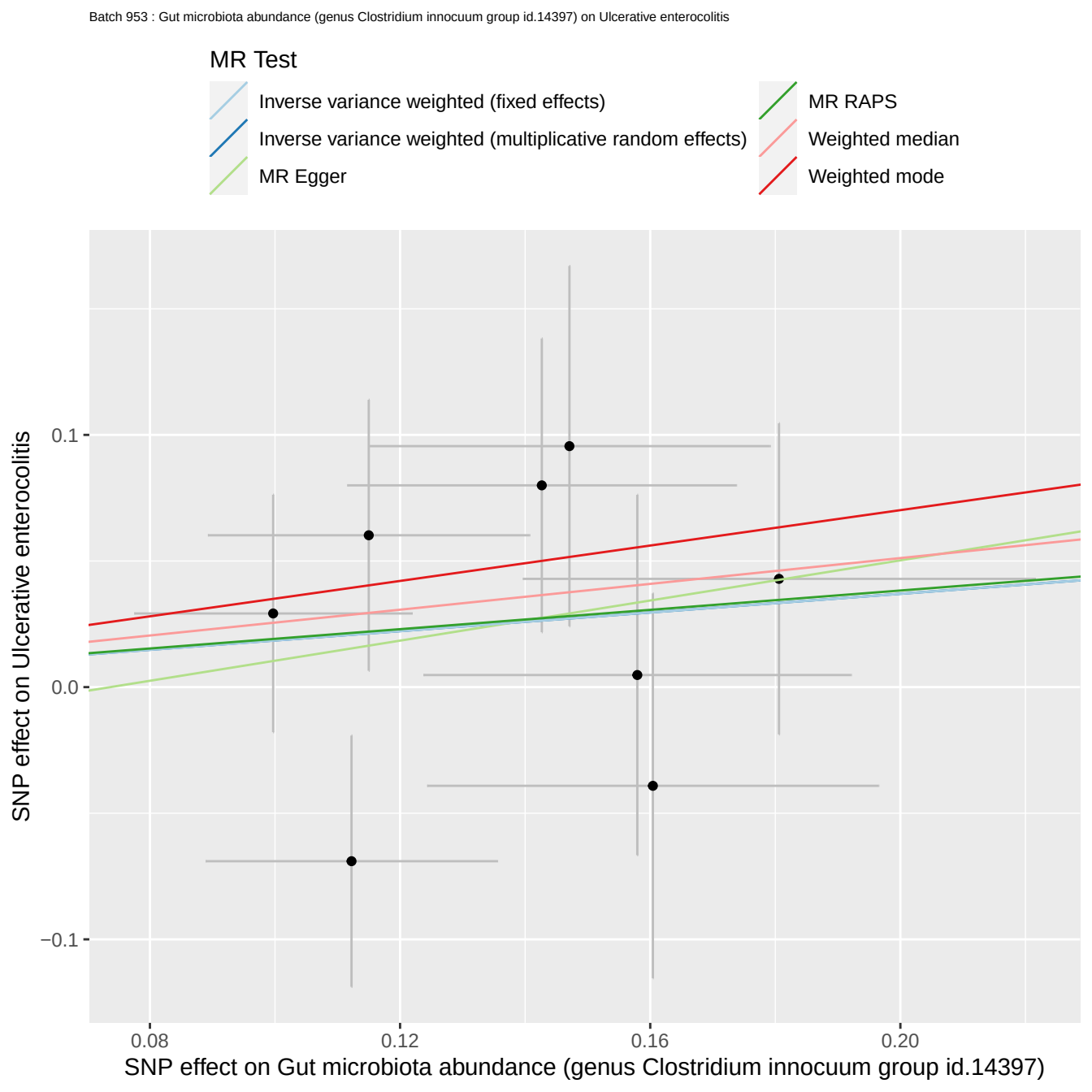

Batch 948 : Gut microbiota abundance (genus Butyricimonas id.945) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)


Batch 949 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

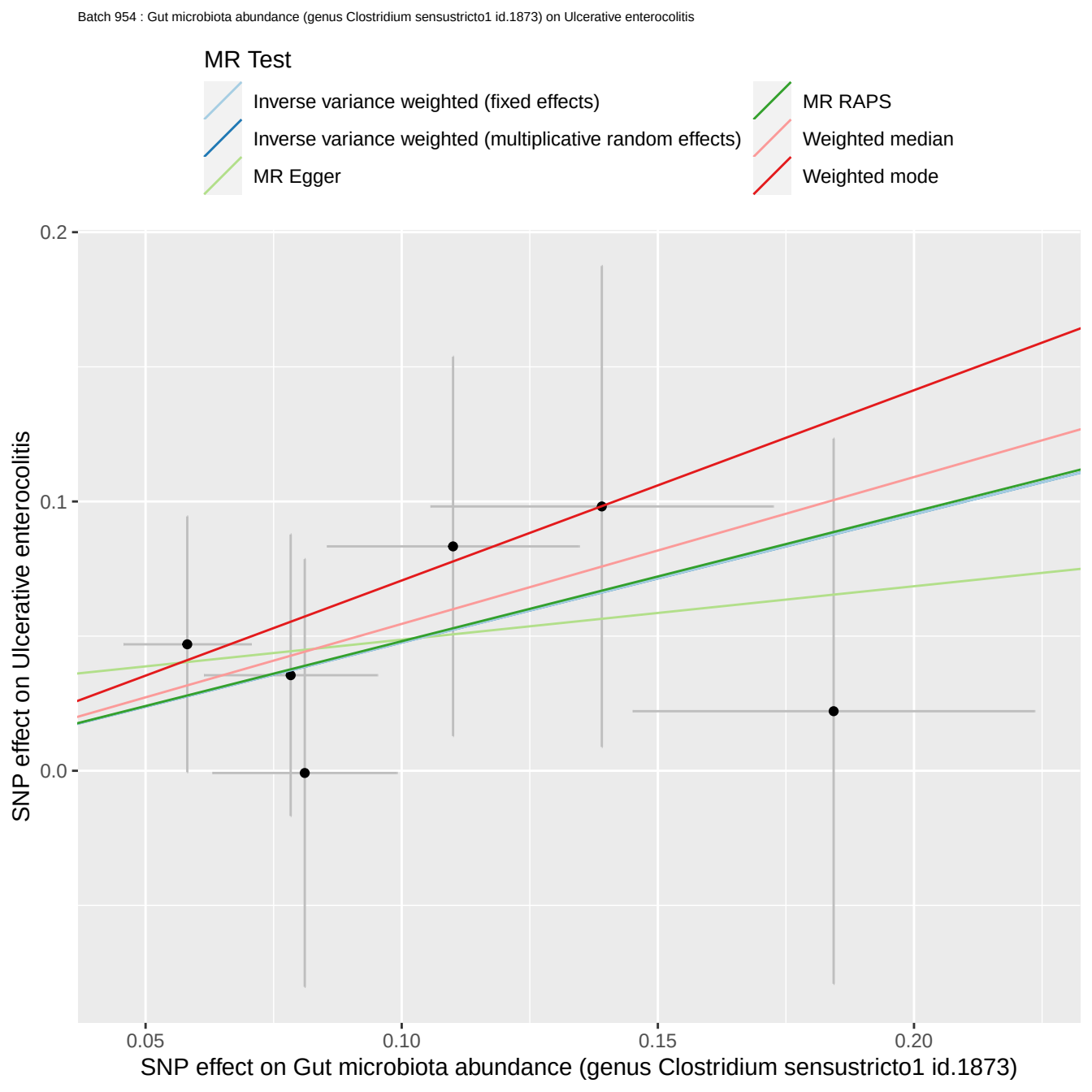

Batch 950 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative enterocolitis
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

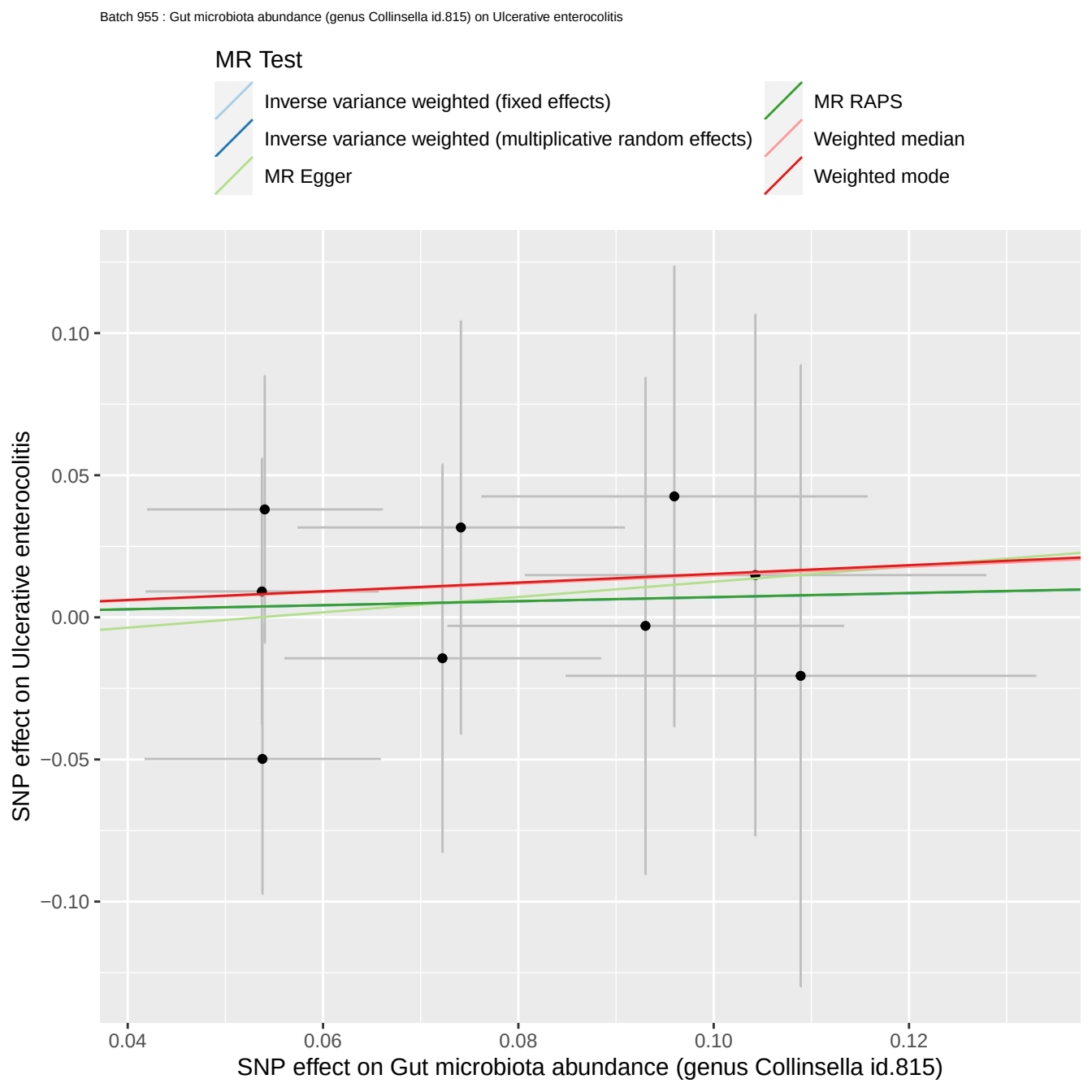

Batch 951 : Gut microbiota abundance (genus Catenibacterium id.2153) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.05
0.00
−0.05
−0.10
0.100
0.125
0.150
0.17
SNP effect on Gut microbiota abundance (genus Catenibacterium id.2153)

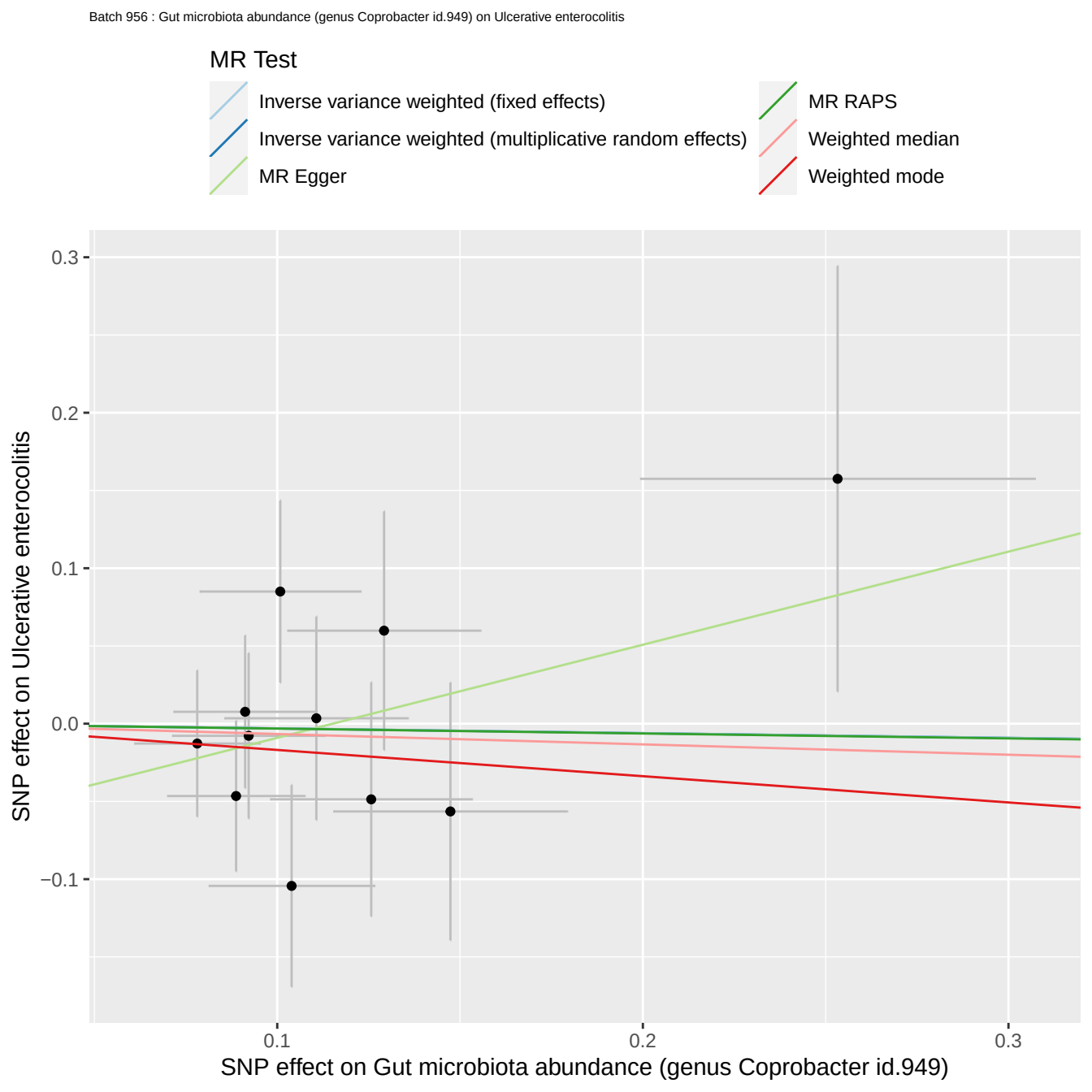

Batch 952 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Christensenellaceae R 7group id.11283)

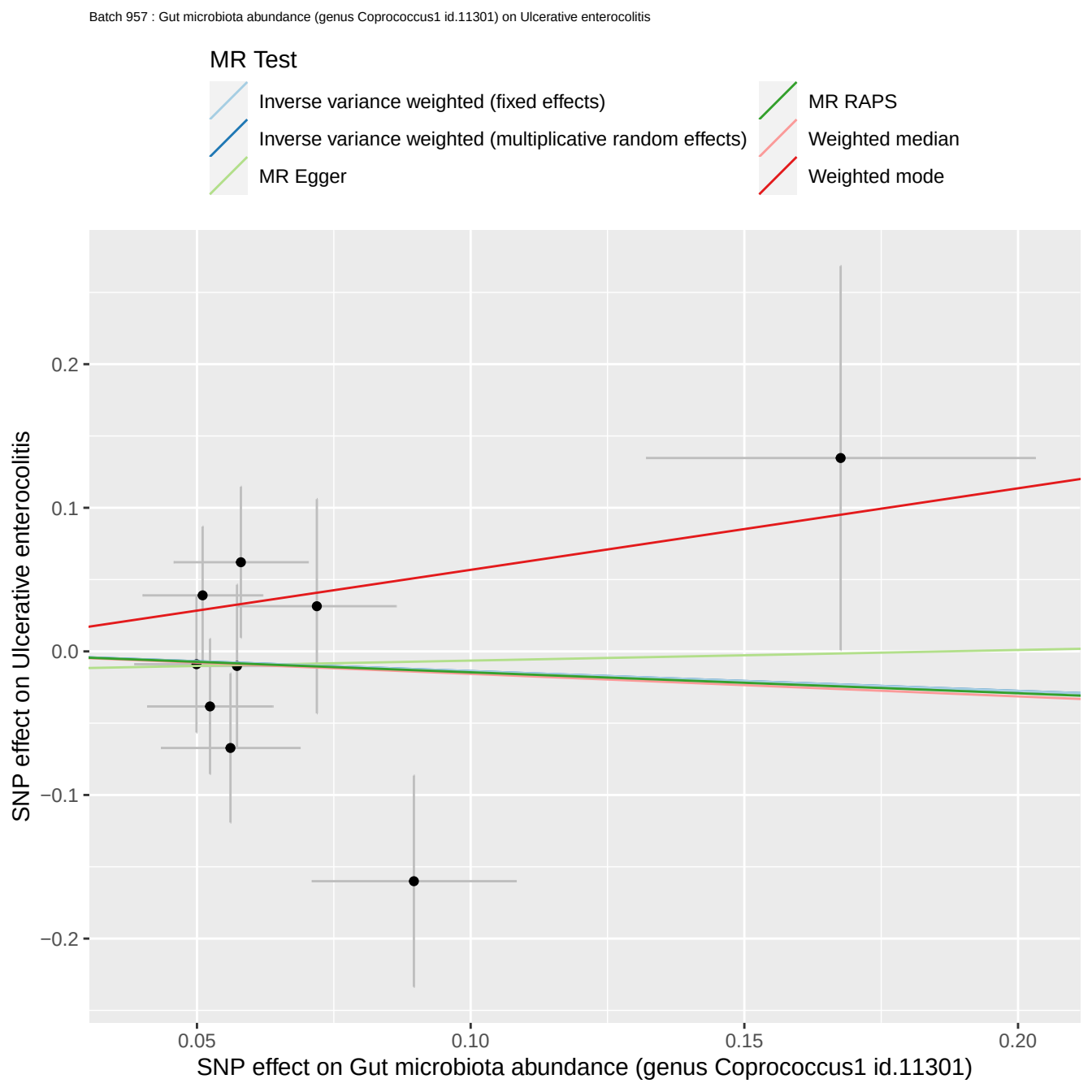

Batch 953 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

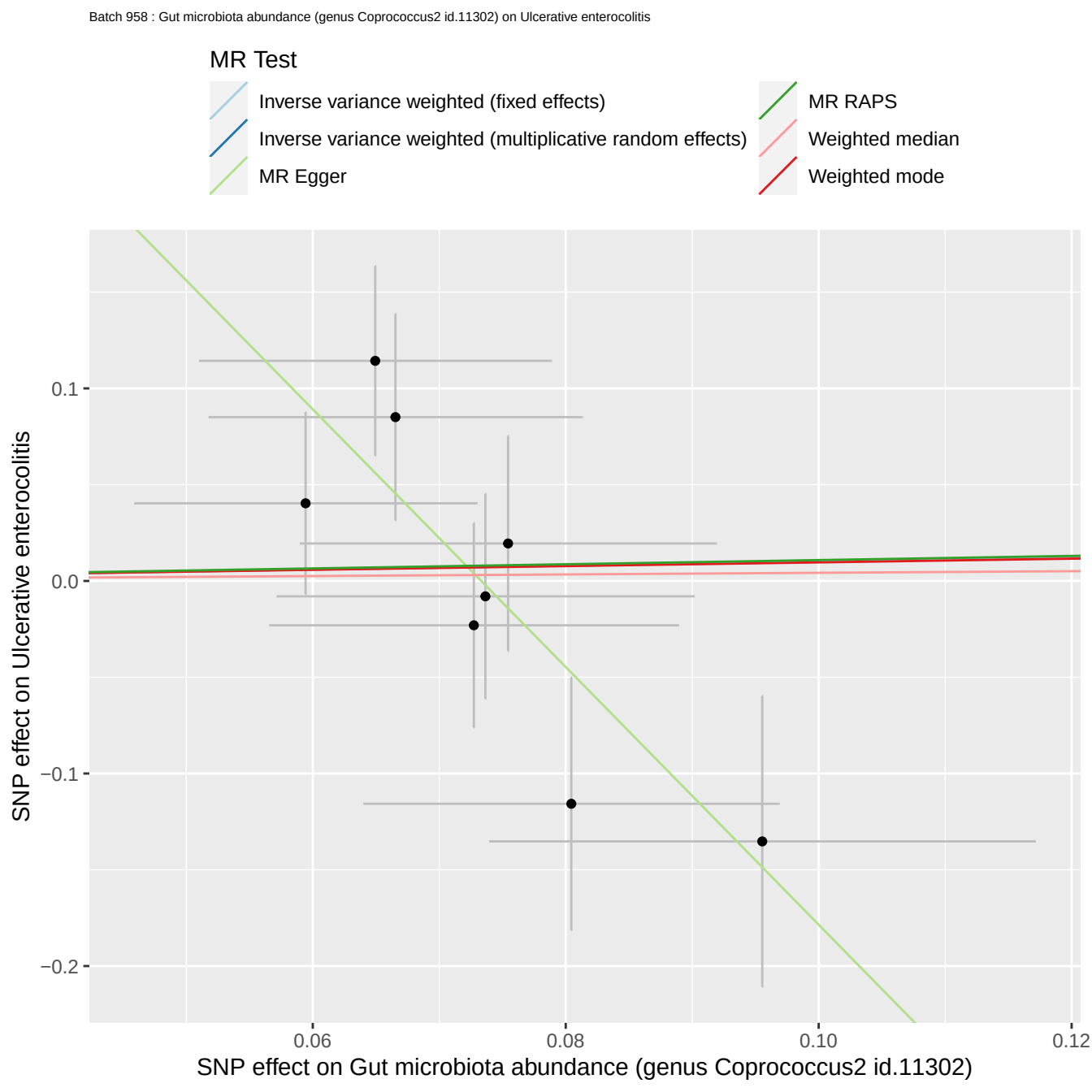
Batch 954 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Ulcerative enterocolitis

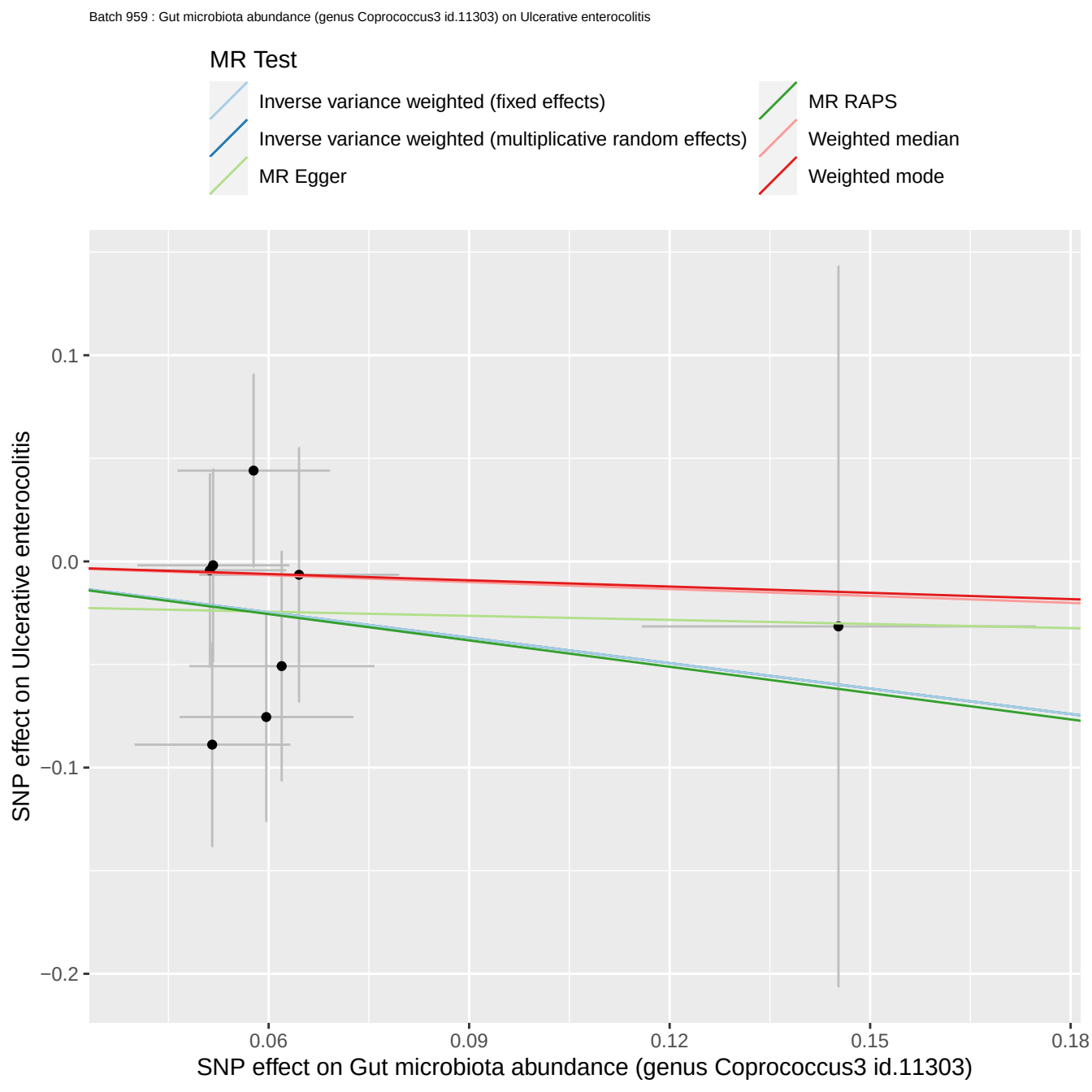


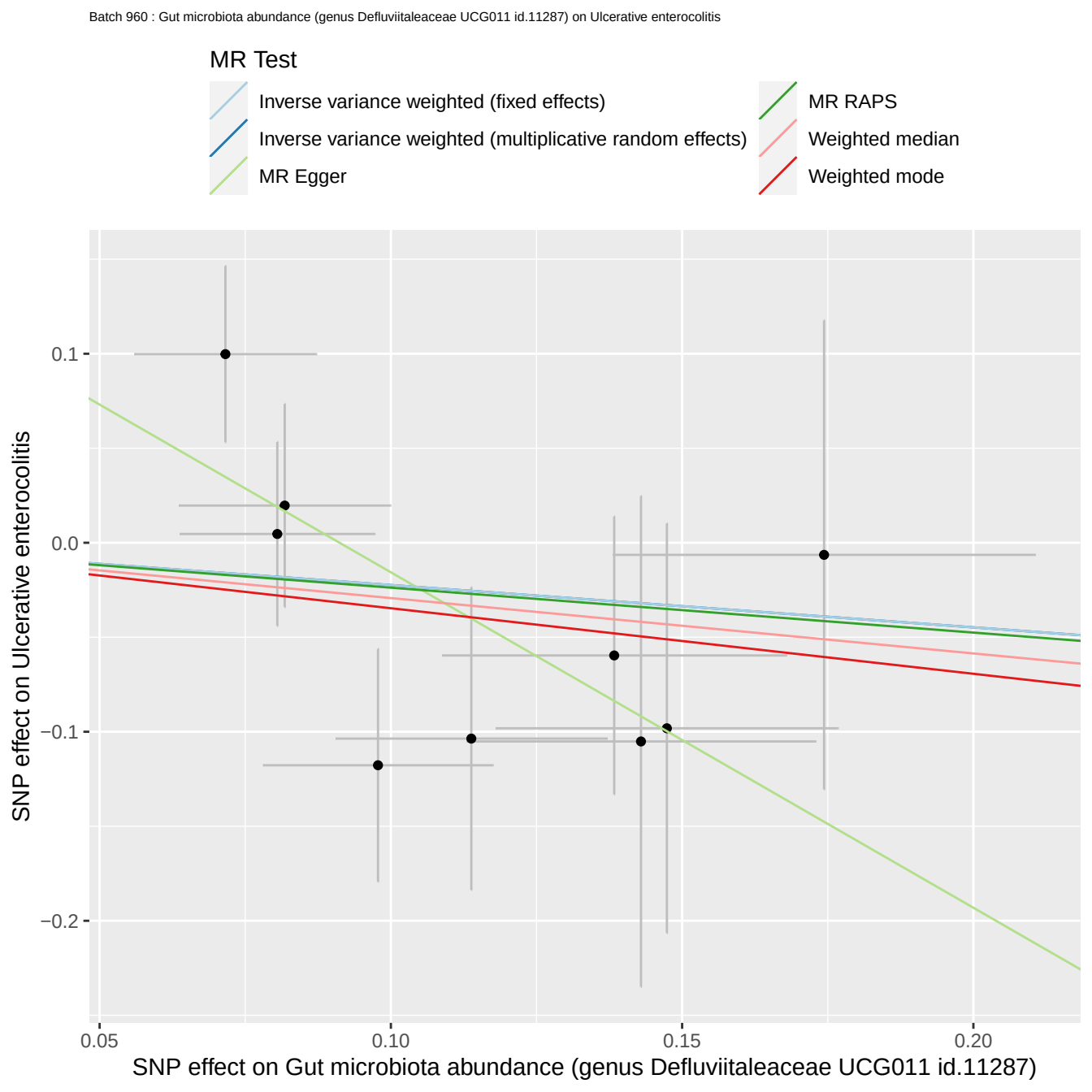

Batch 955 : Gut microbiota abundance (genus Collinsella id.815) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

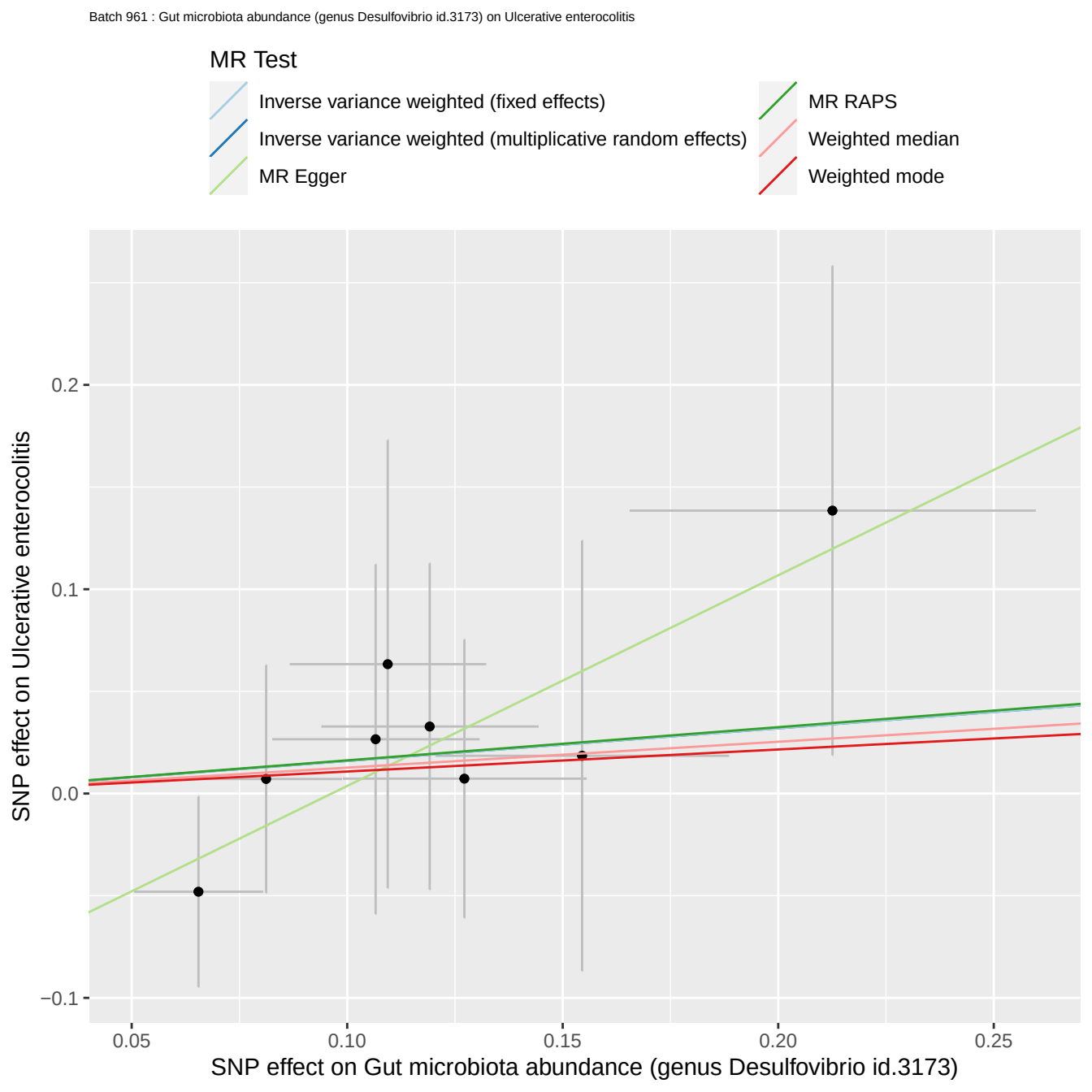

Batch 956 : Gut microbiota abundance (genus Coprobacter id.949) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

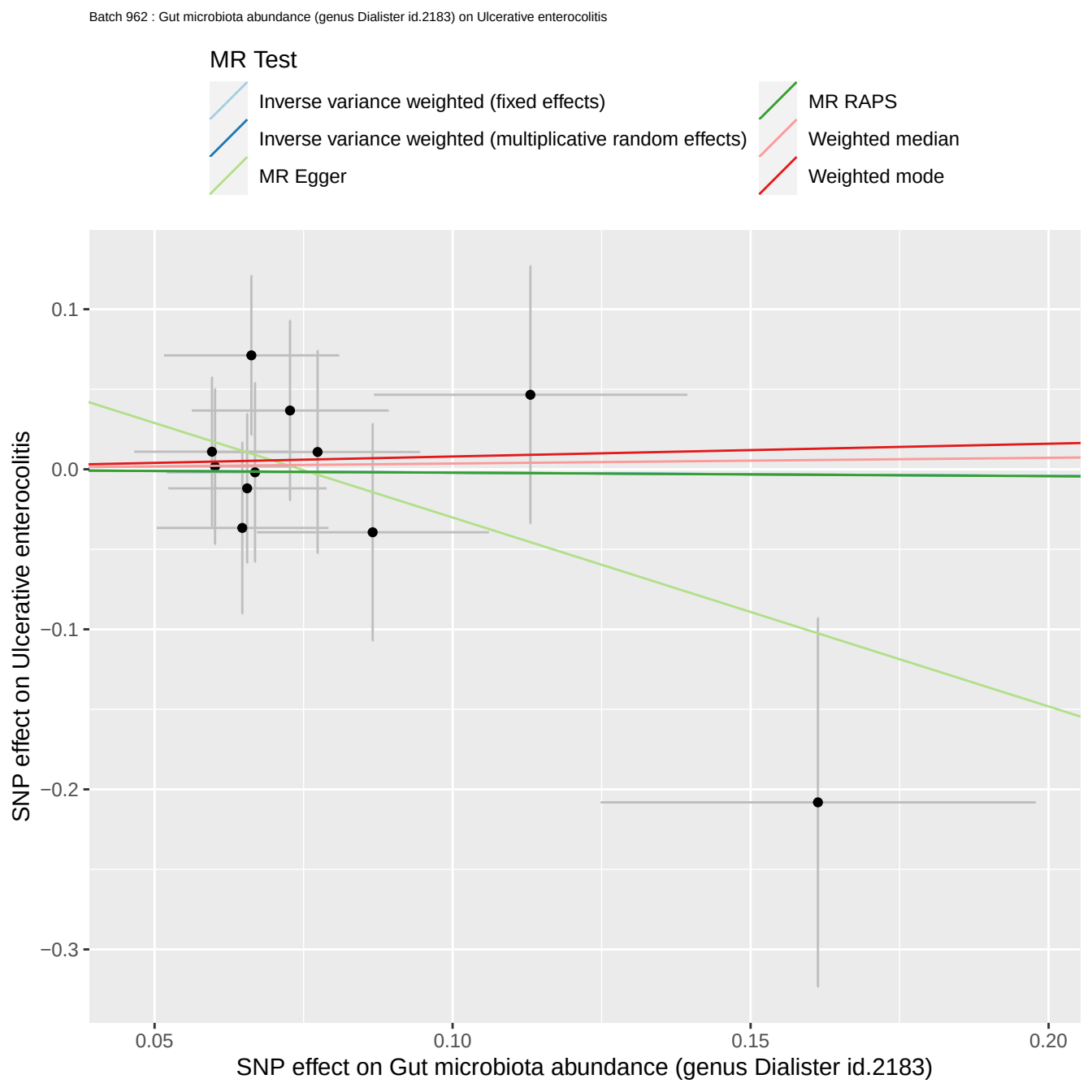

Batch 957 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

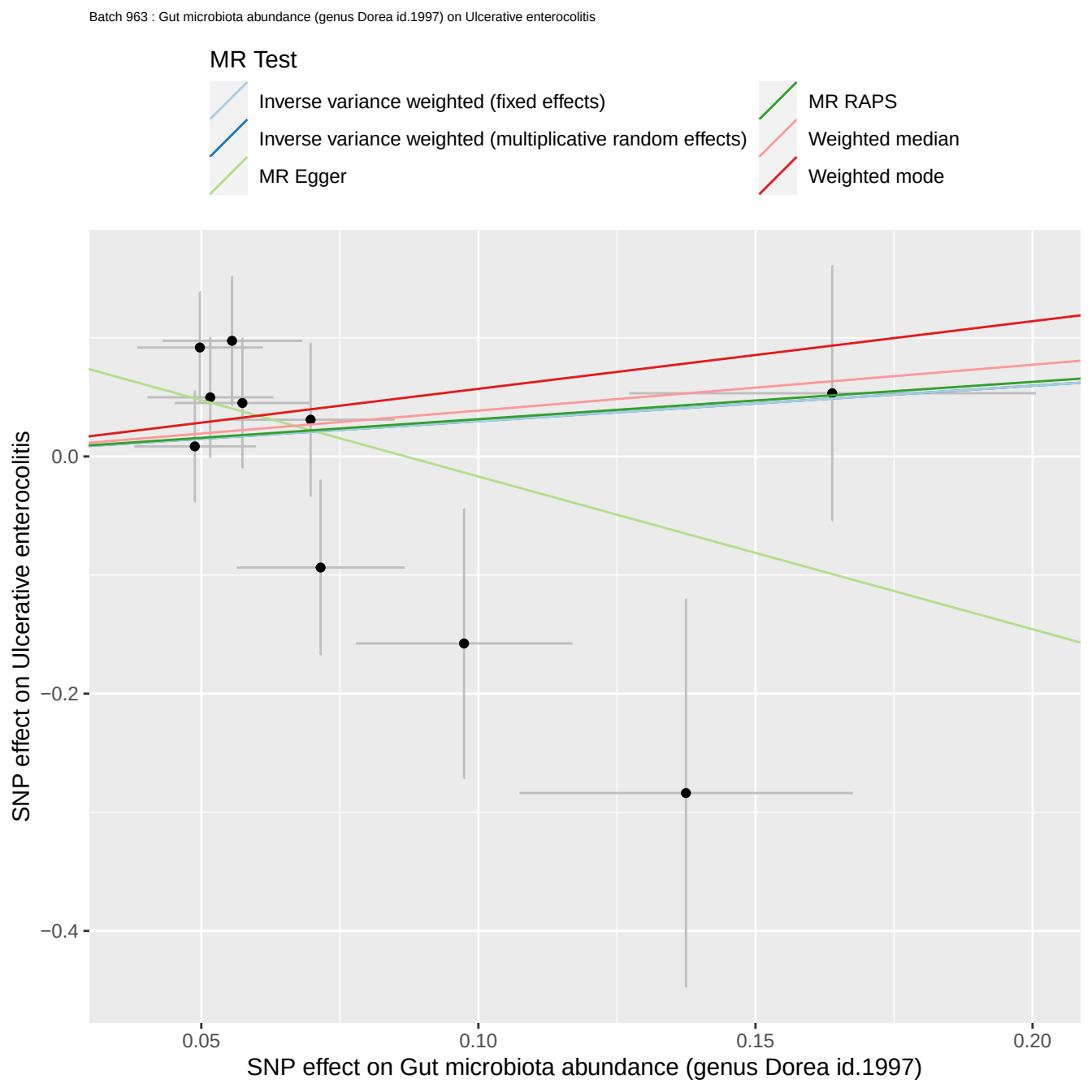

Batch 958 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

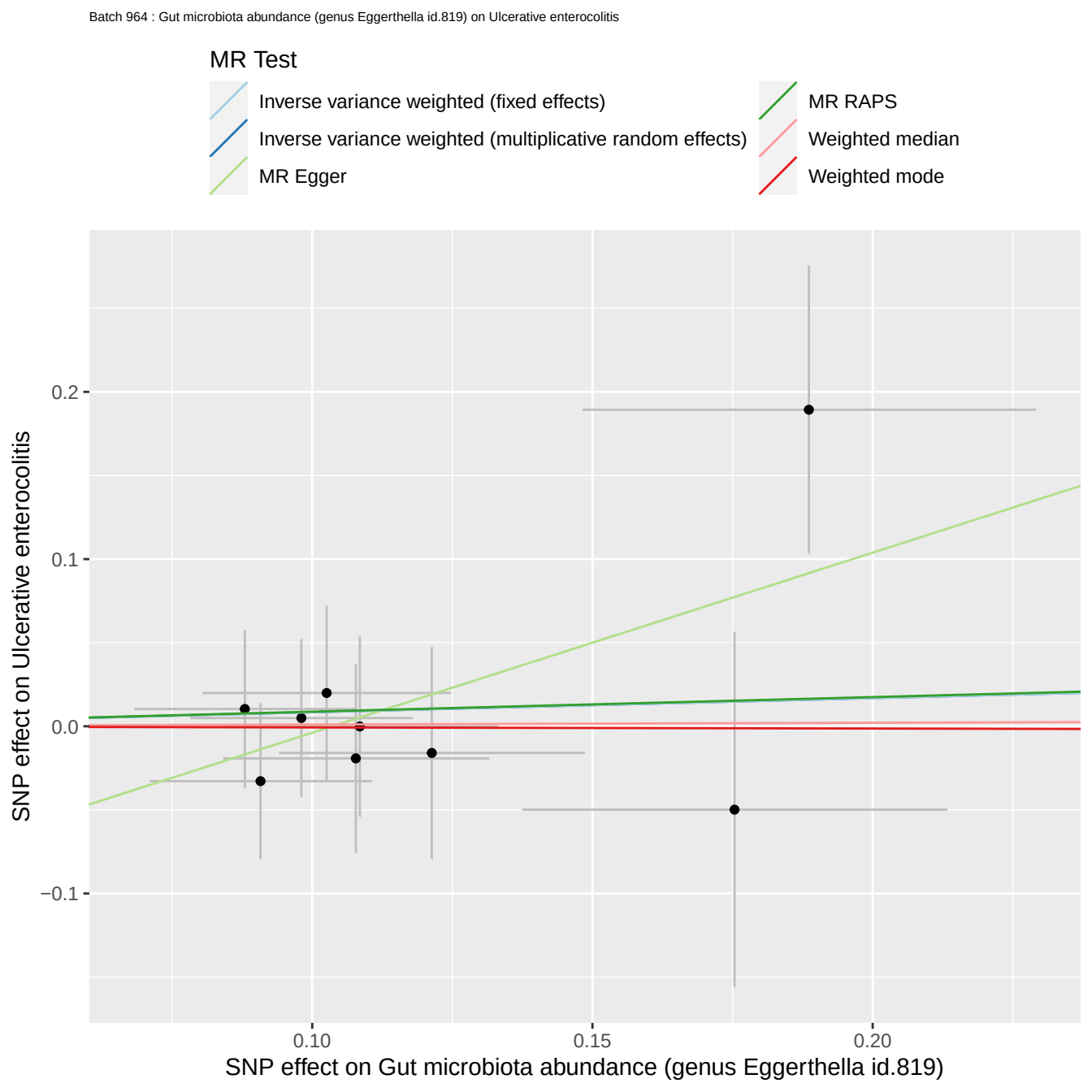

Batch 959 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

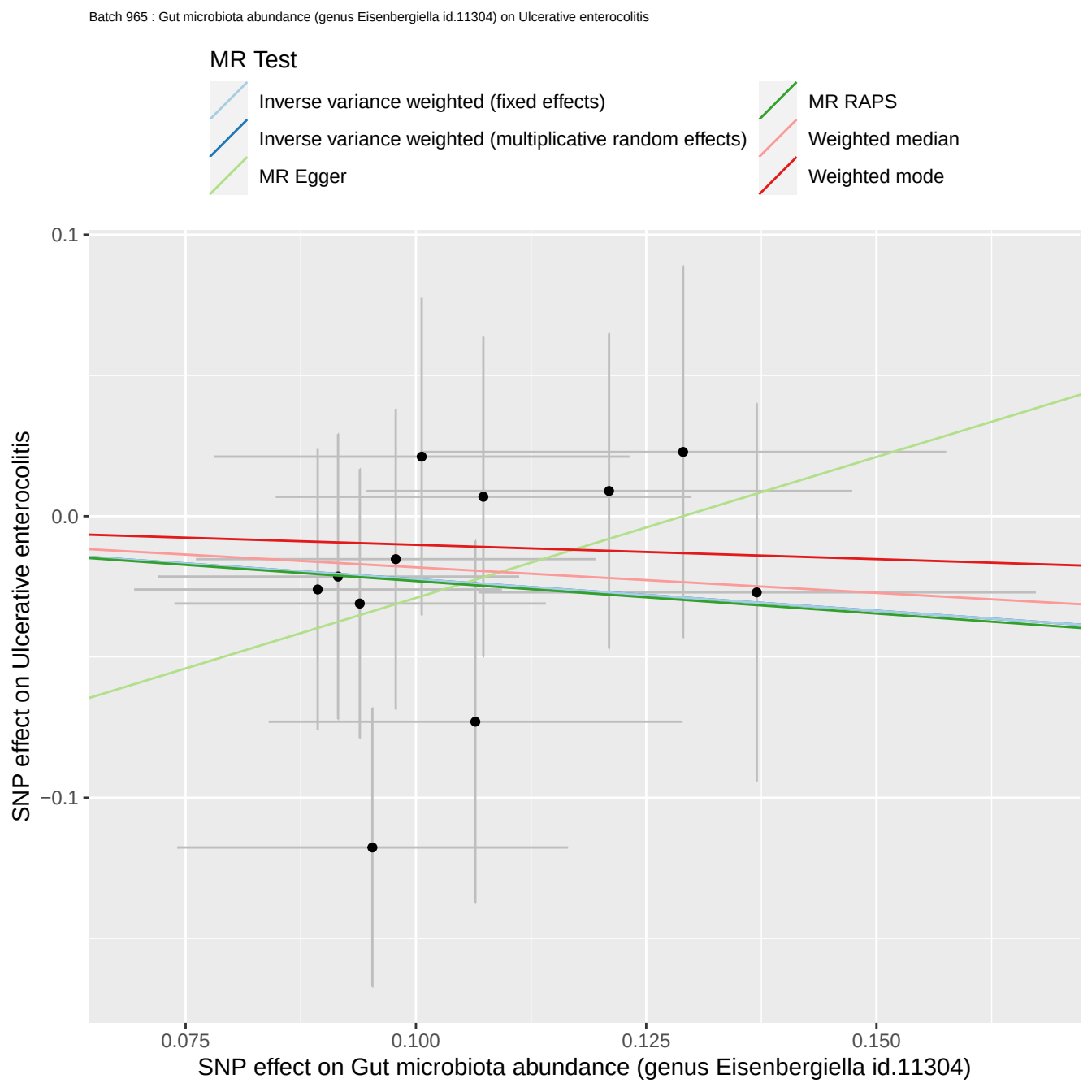

Batch 960 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)


Batch 961 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

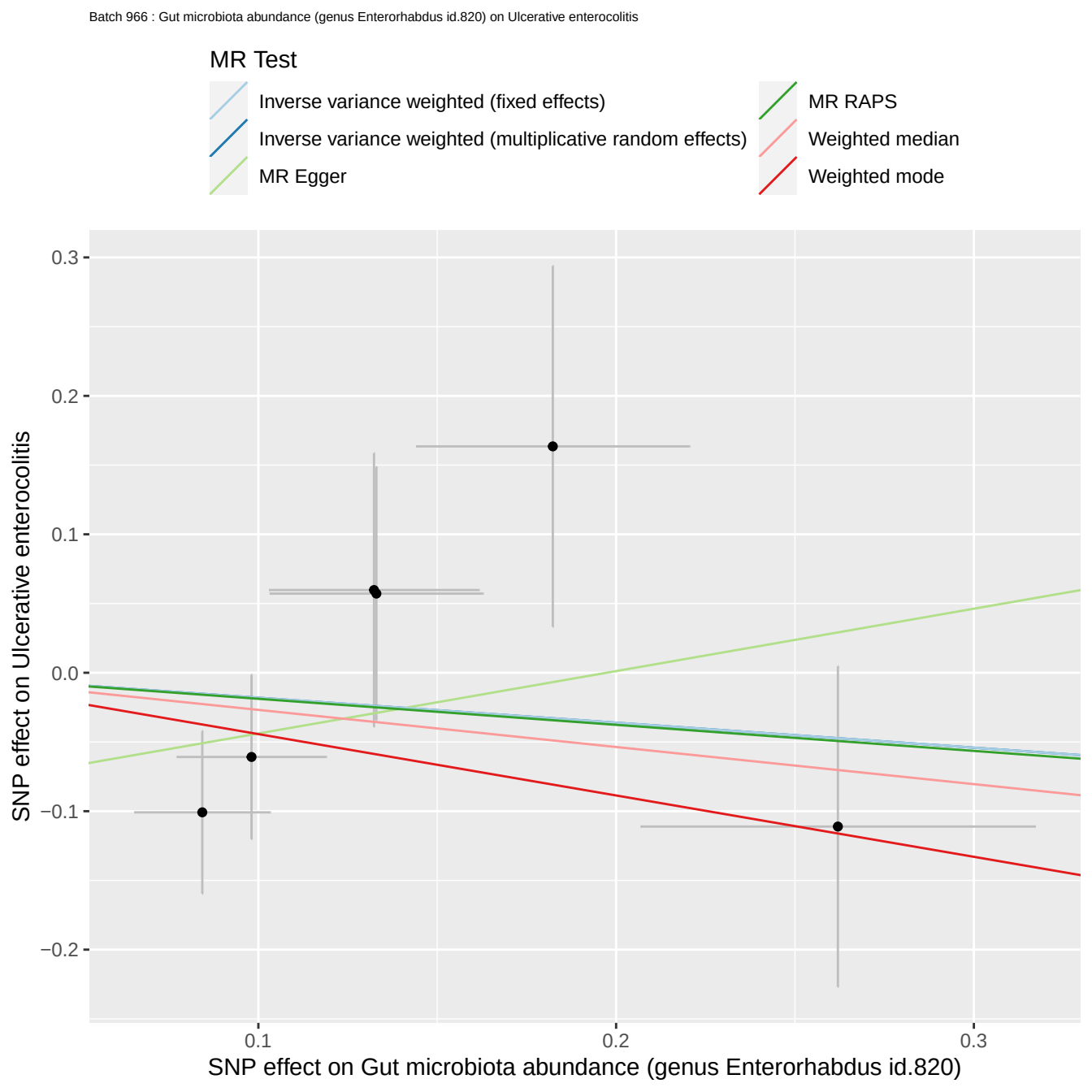

Batch 962 : Gut microbiota abundance (genus Dialister id.2183) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)

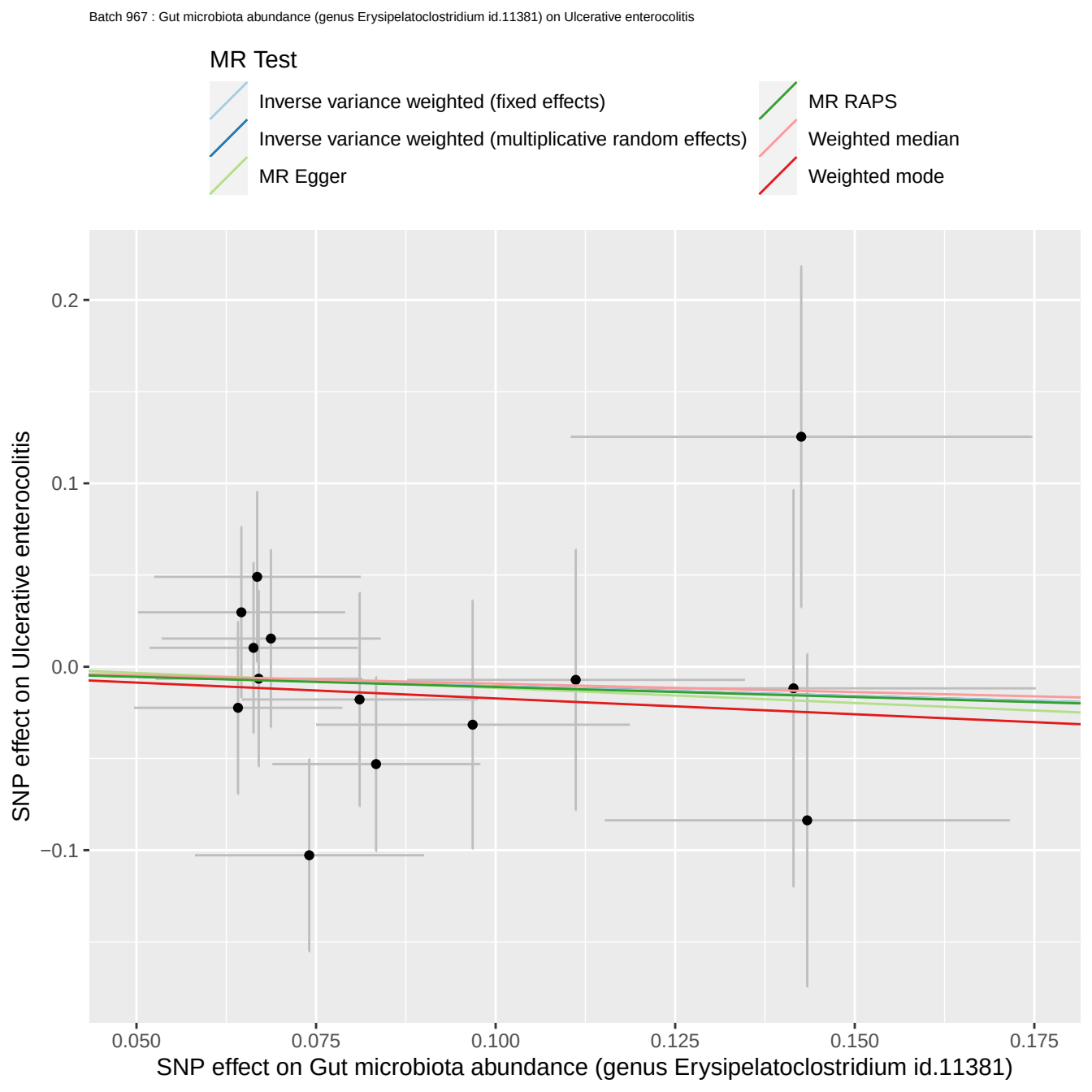

Batch 963 : Gut microbiota abundance (genus Dorea id.1997) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.0
−0.2
−0.4
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)


Batch 964 : Gut microbiota abundance (genus Eggerthella id.819) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

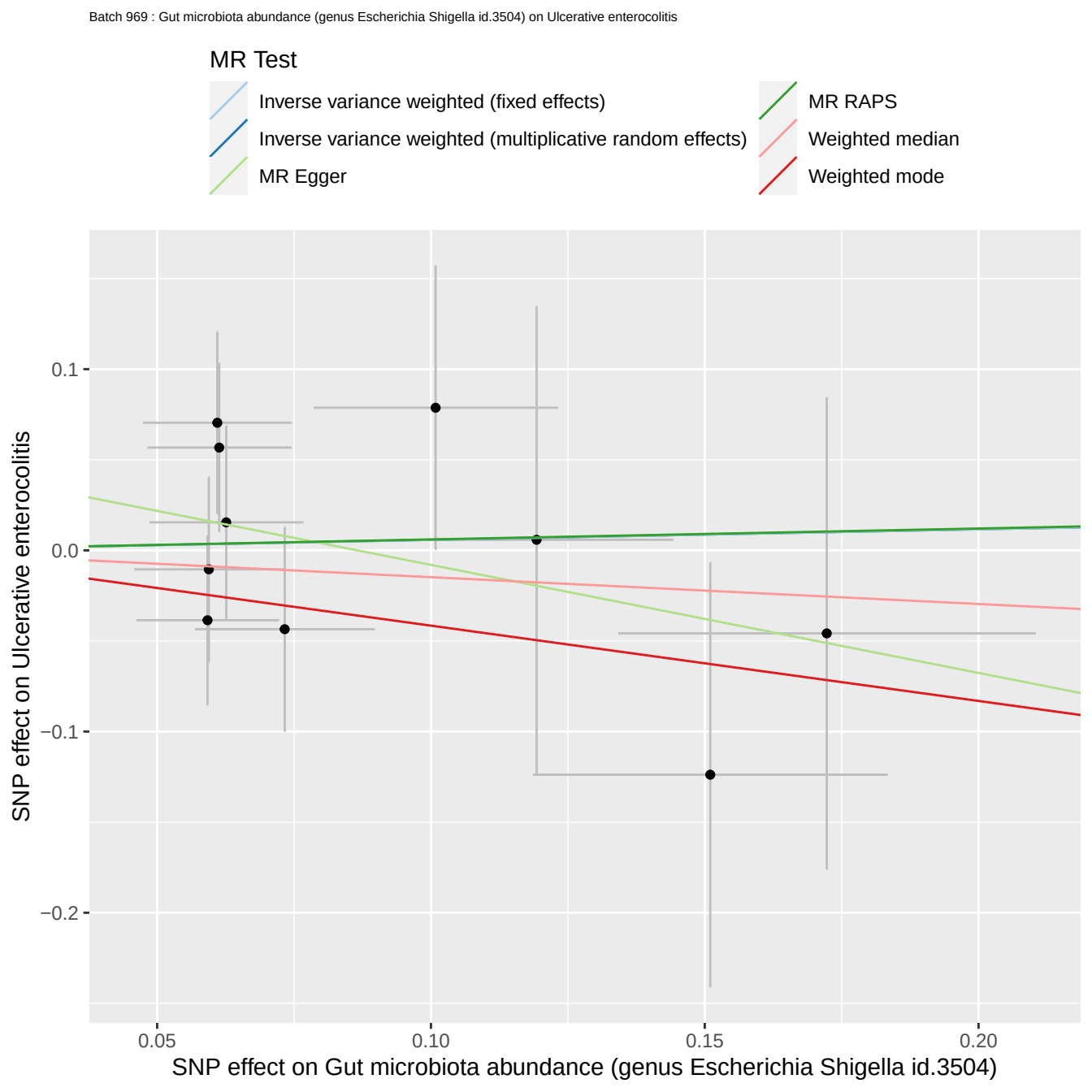

Batch 965 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

Batch 966 : Gut microbiota abundance (genus Enterorhabdus id.820) on Ulcerative enterocolitis

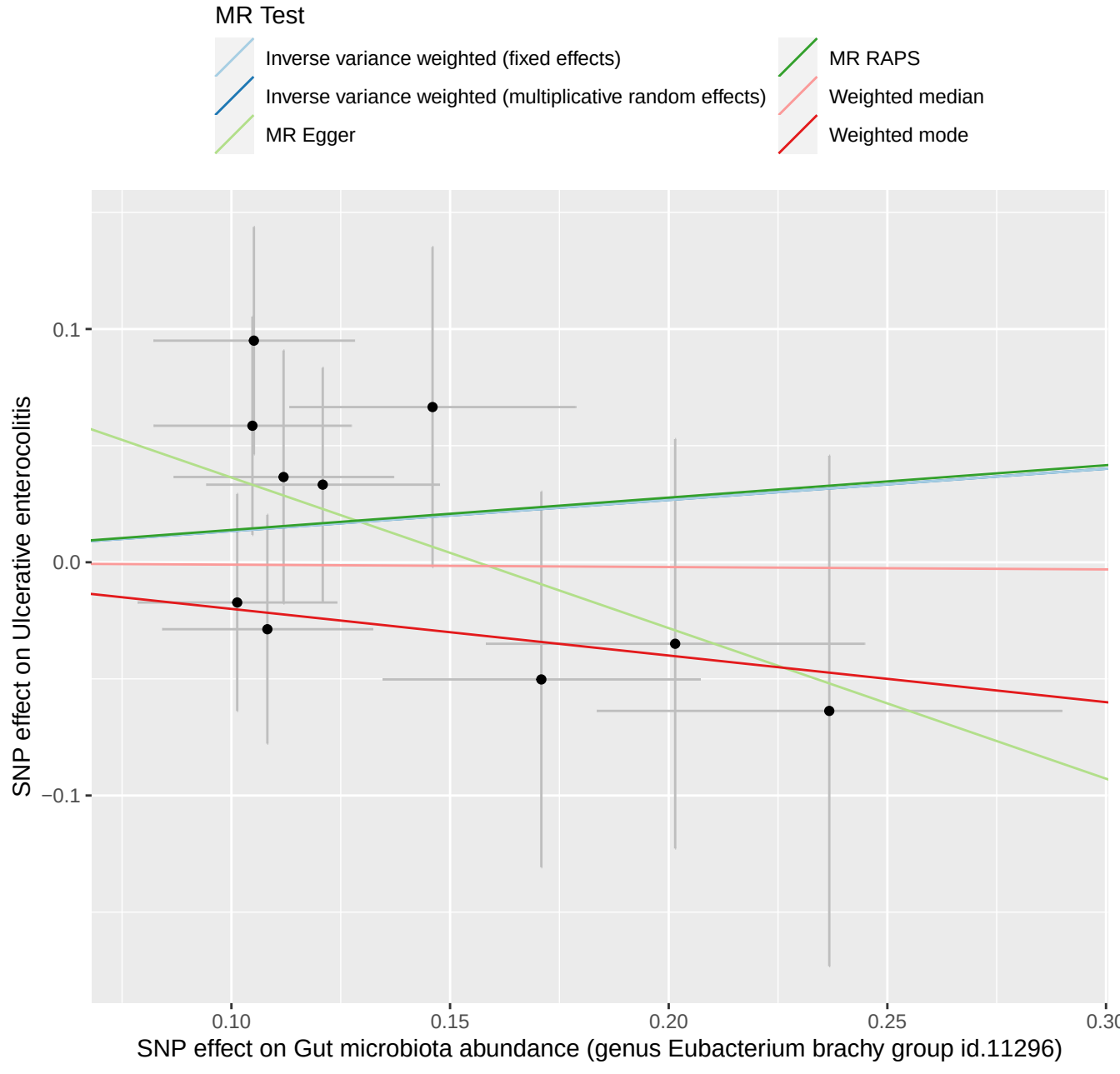



Batch 967 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

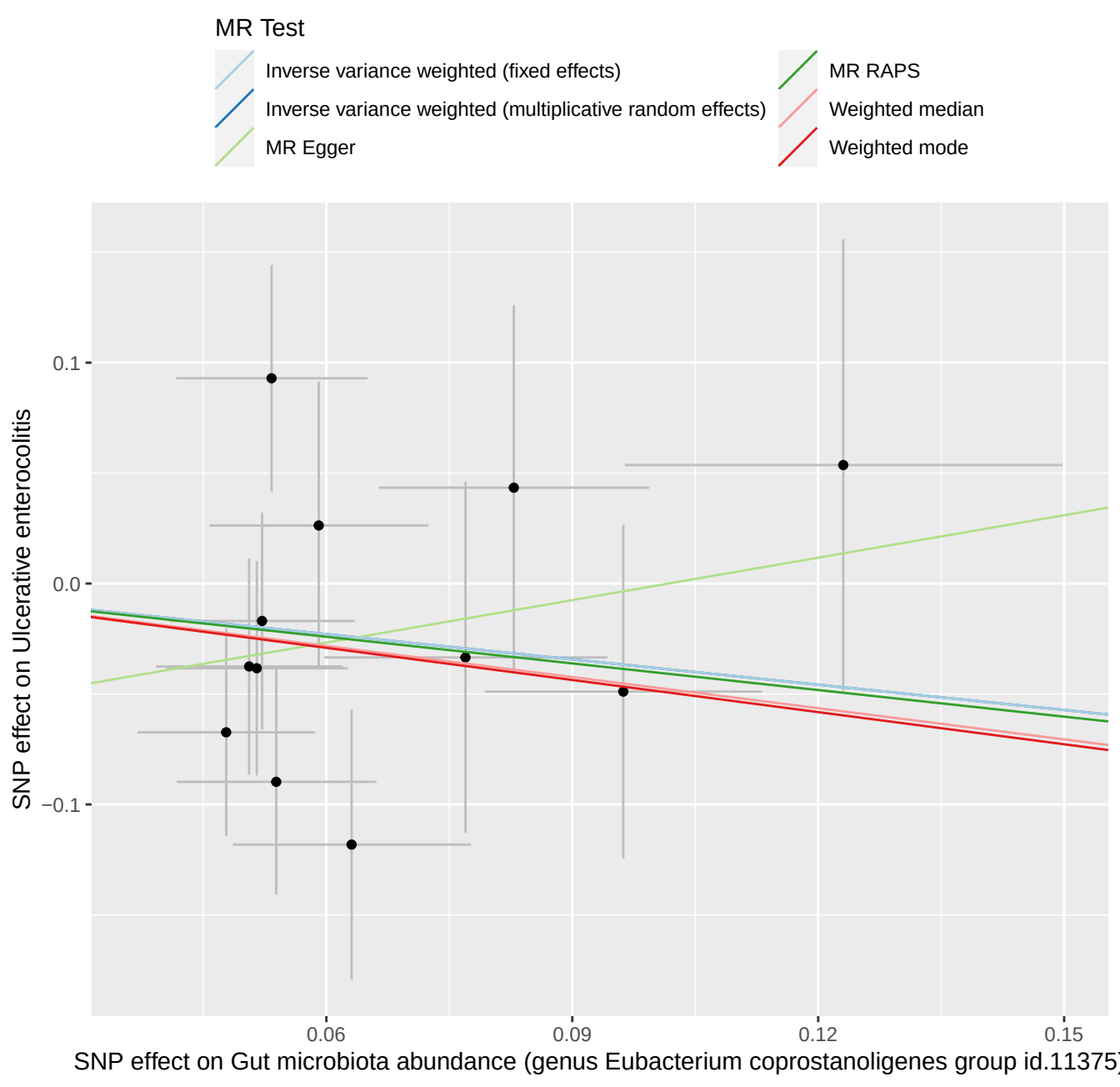
Insufficient number of SNPs

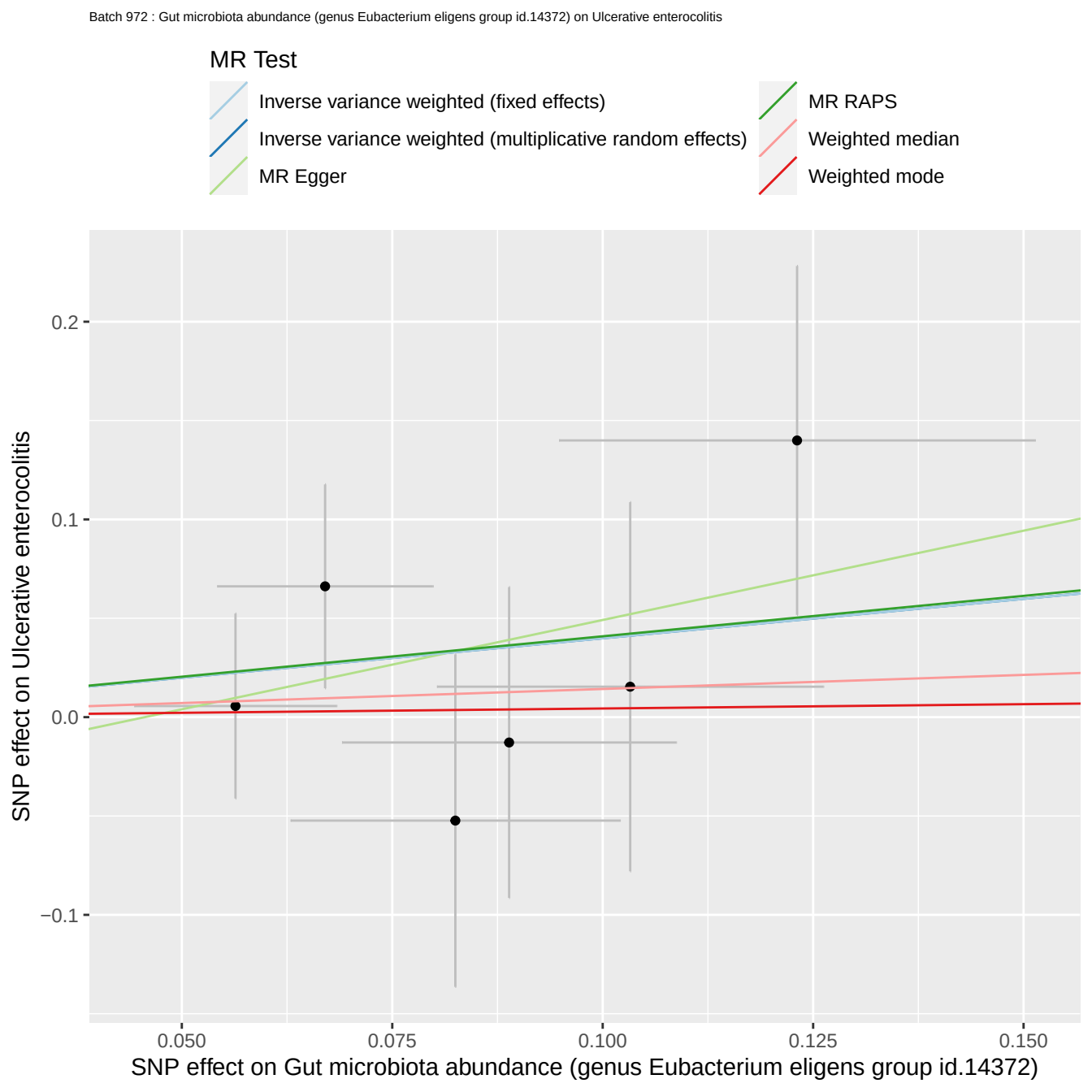

Batch 969 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

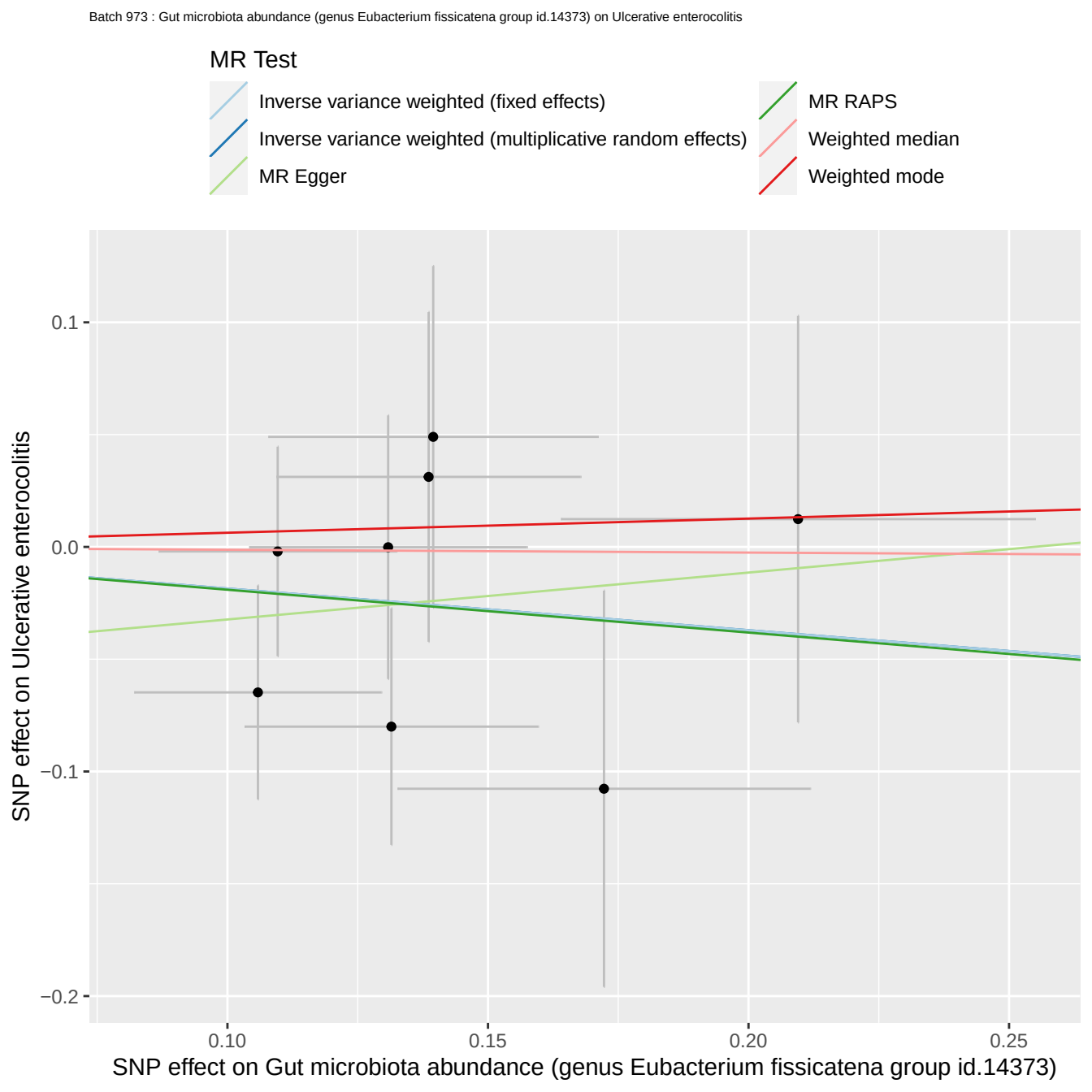
Batch 970 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Ulcerative enterocolitis

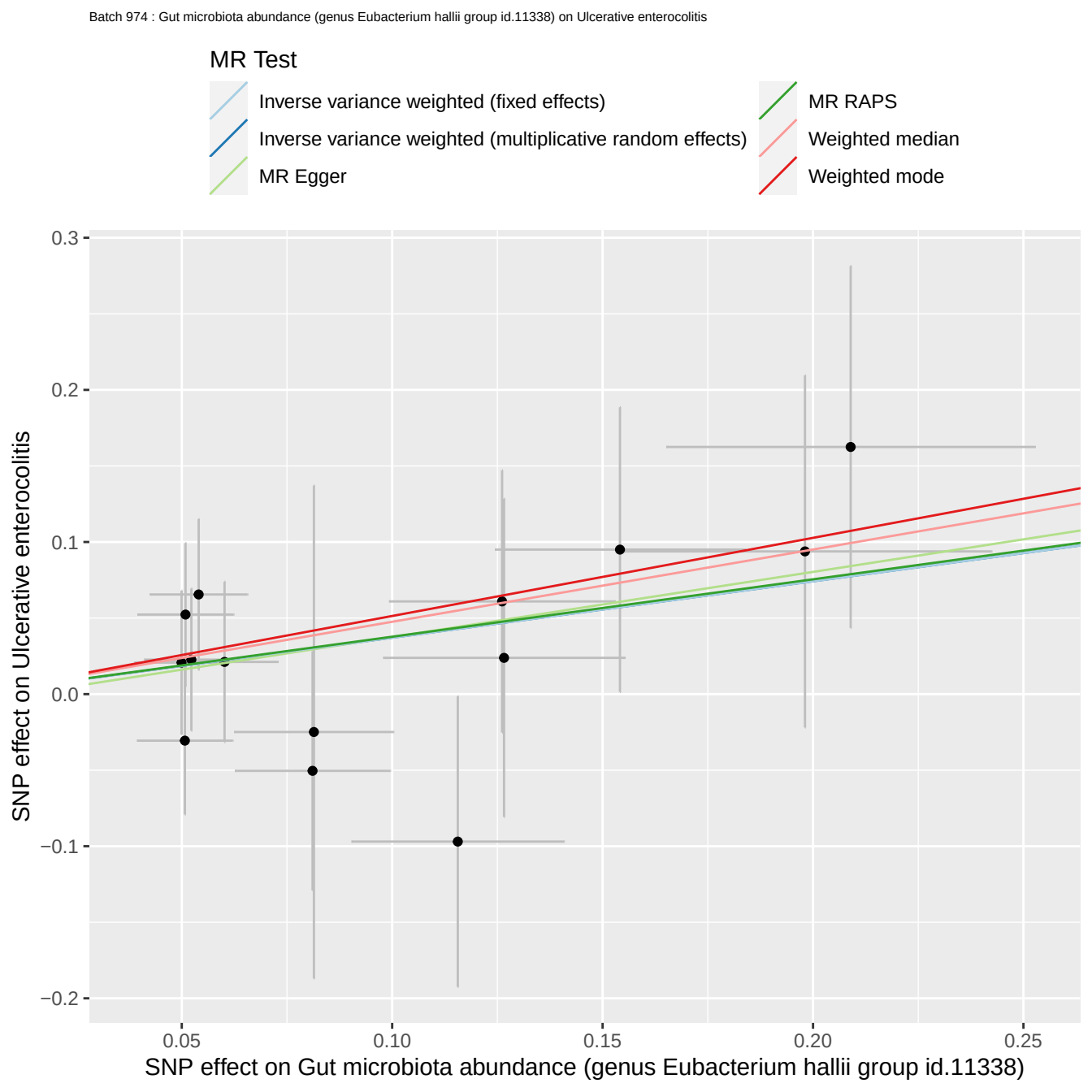


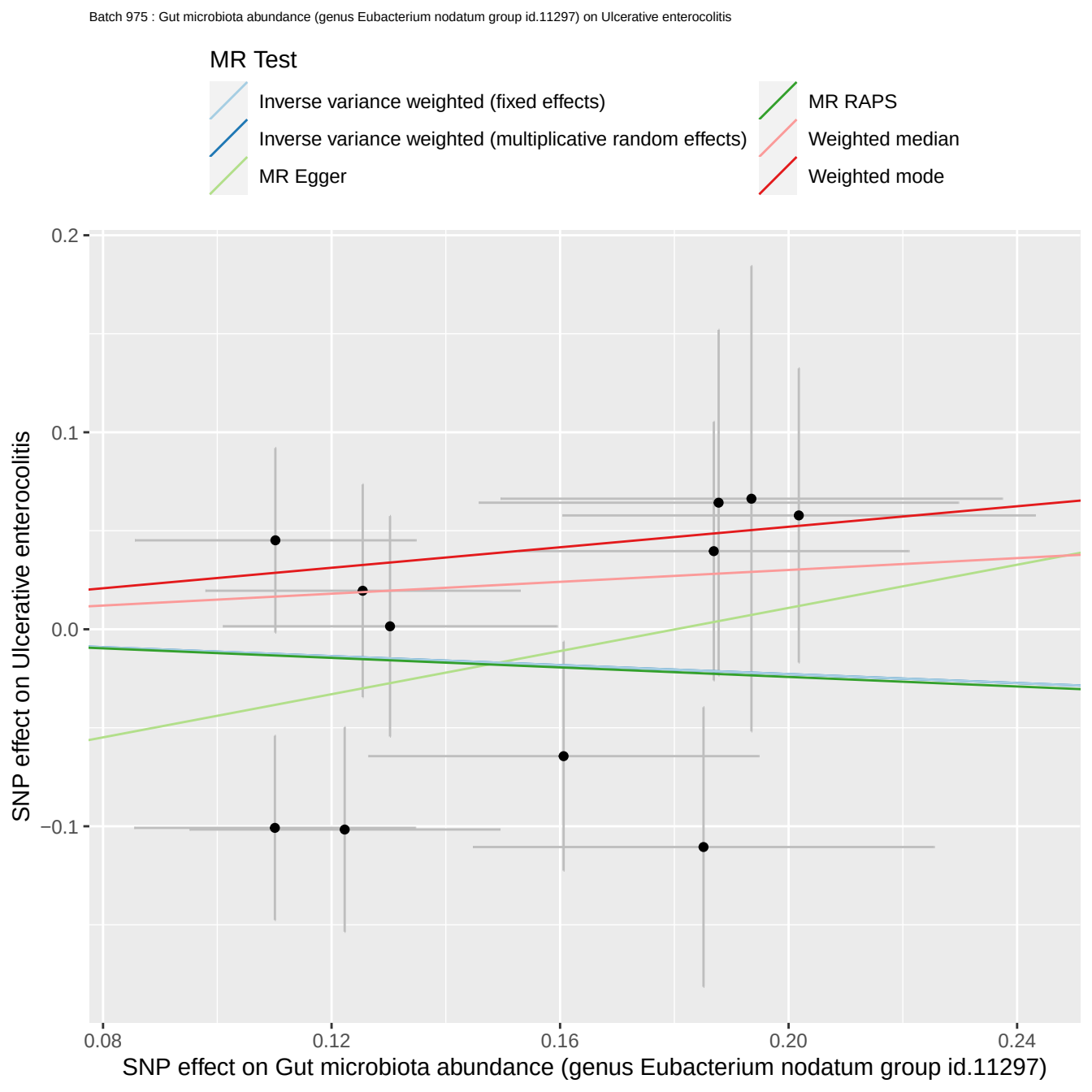
Batch 971 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Ulcerative enterocolitis



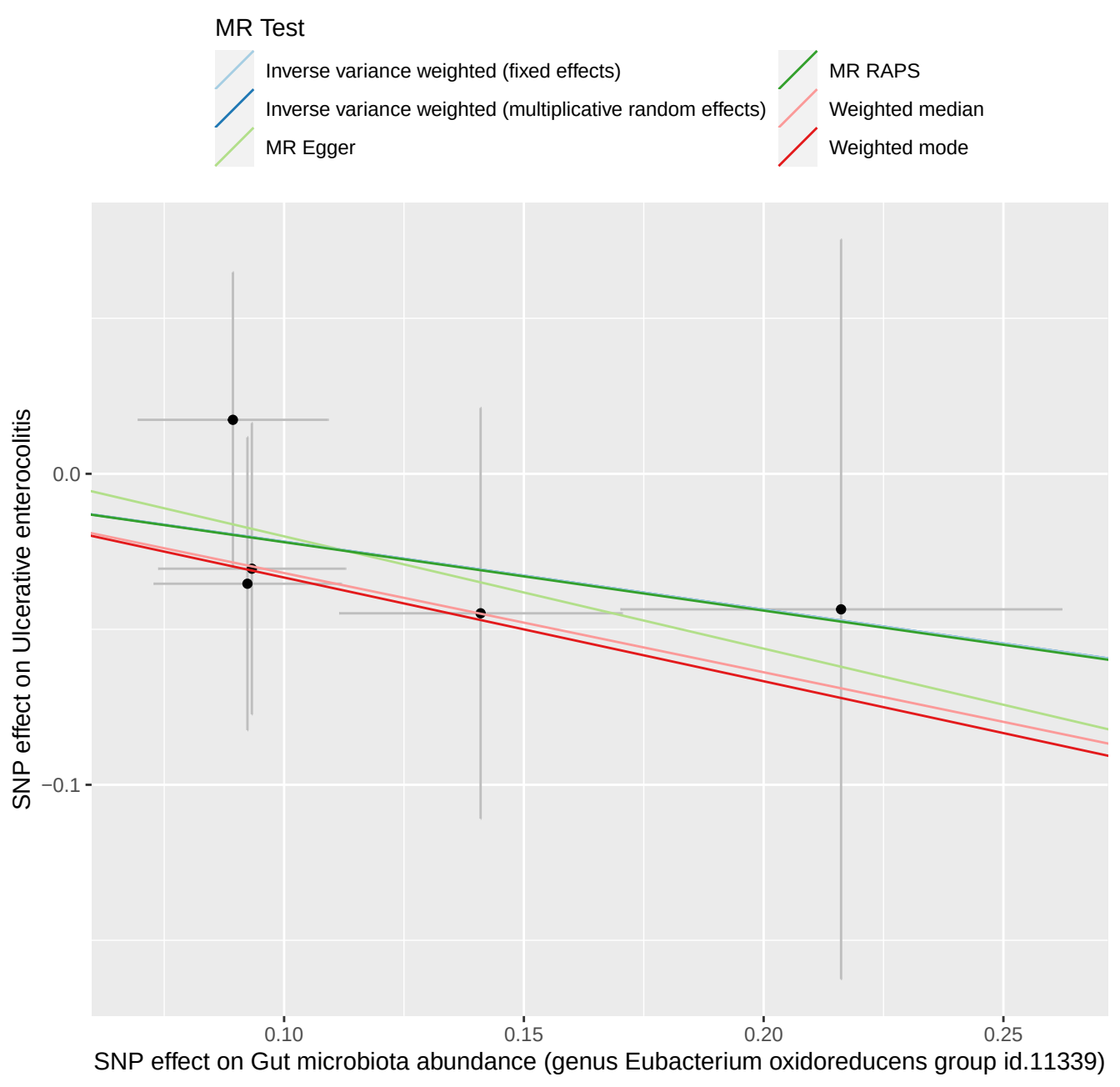

Batch 972 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

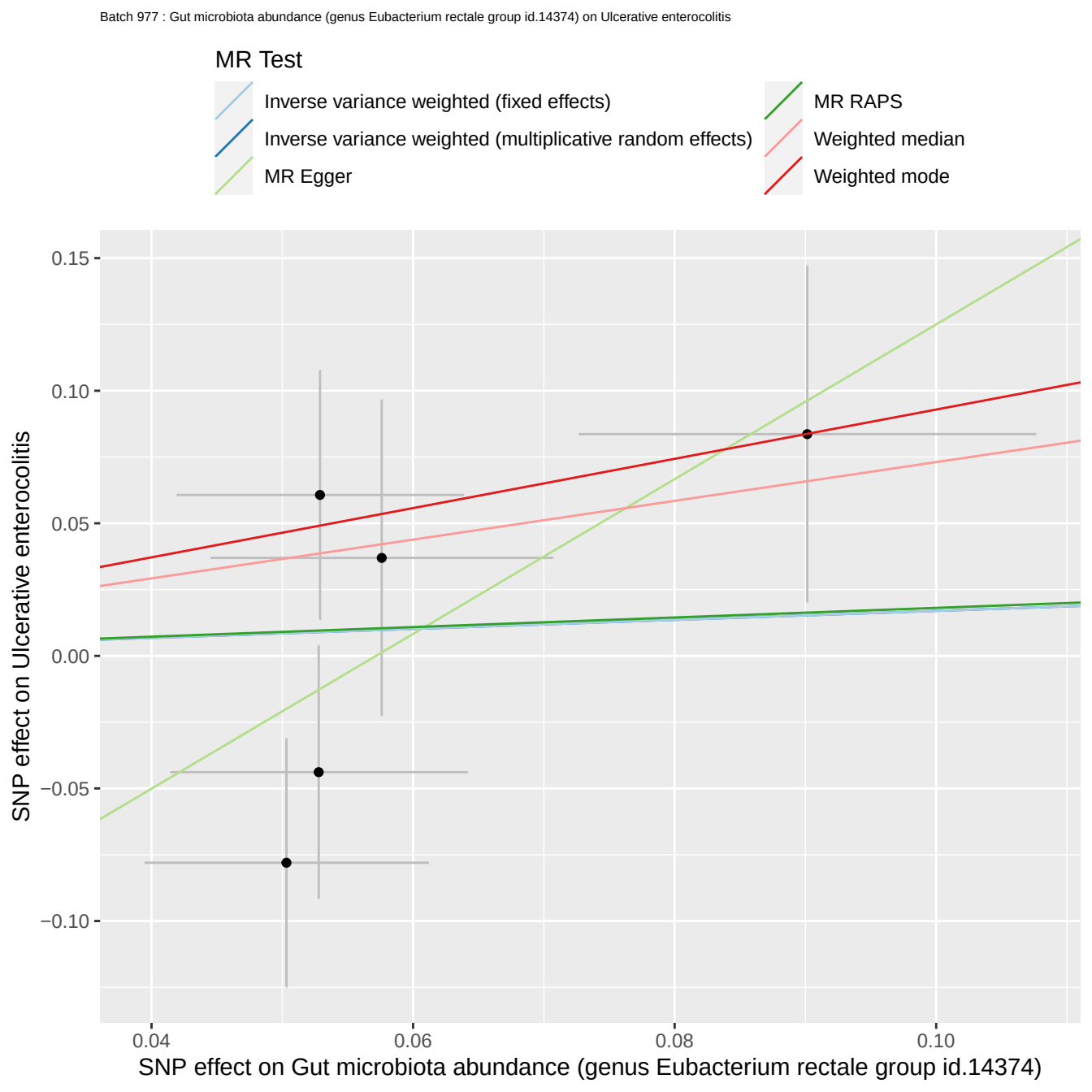

Batch 973 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

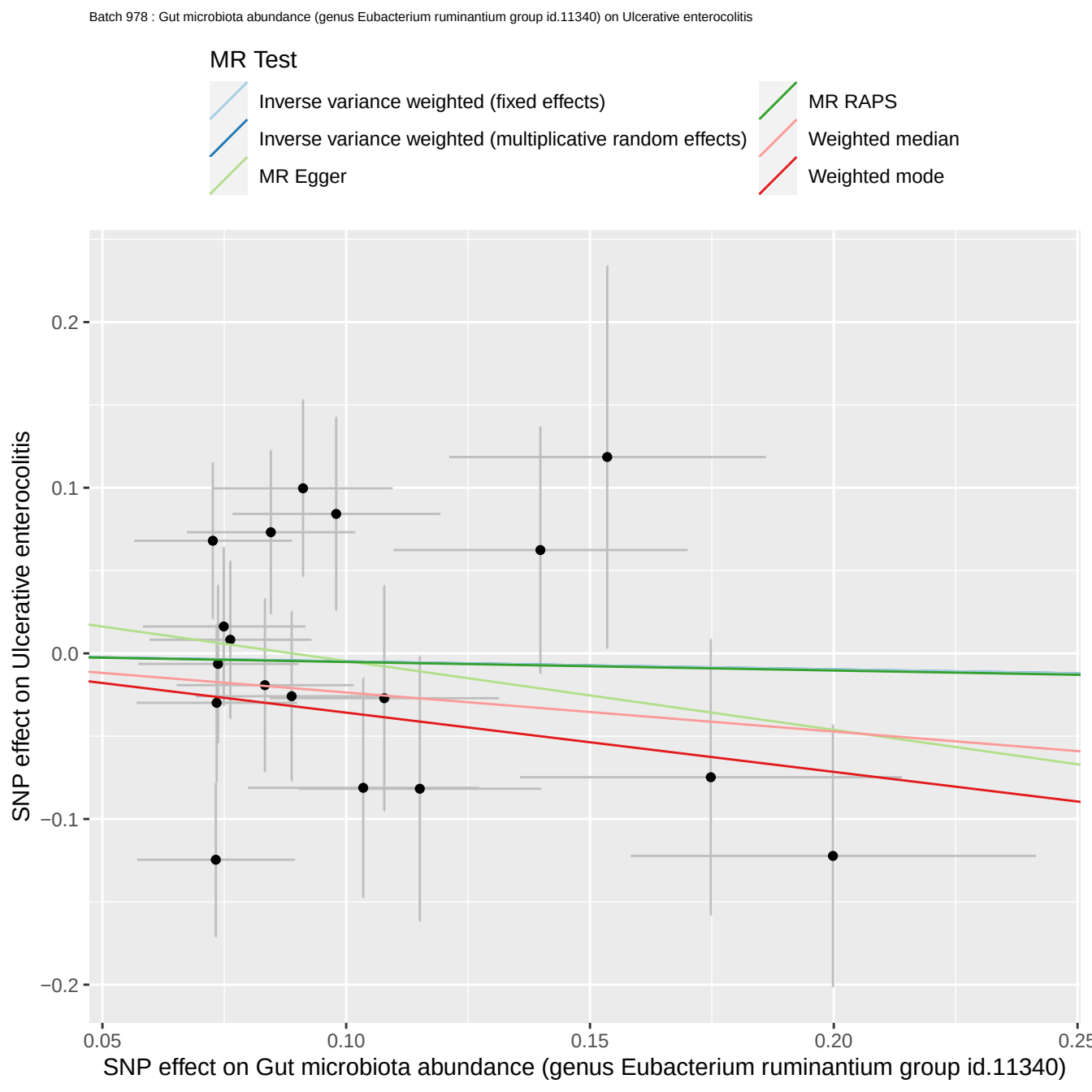

Batch 974 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium hallii group id.11338)

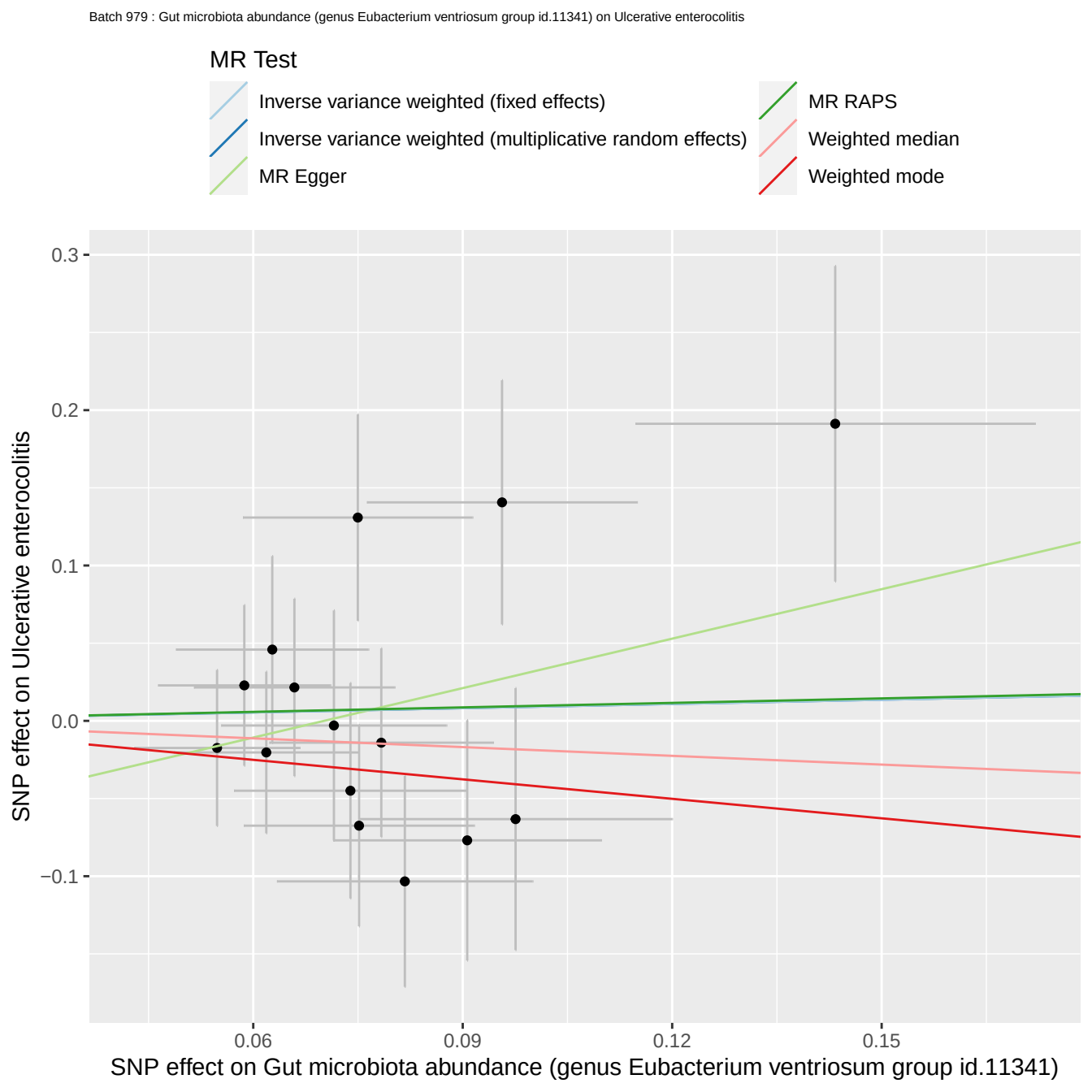

Batch 975 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Eubacterium nodatum group id.11297)

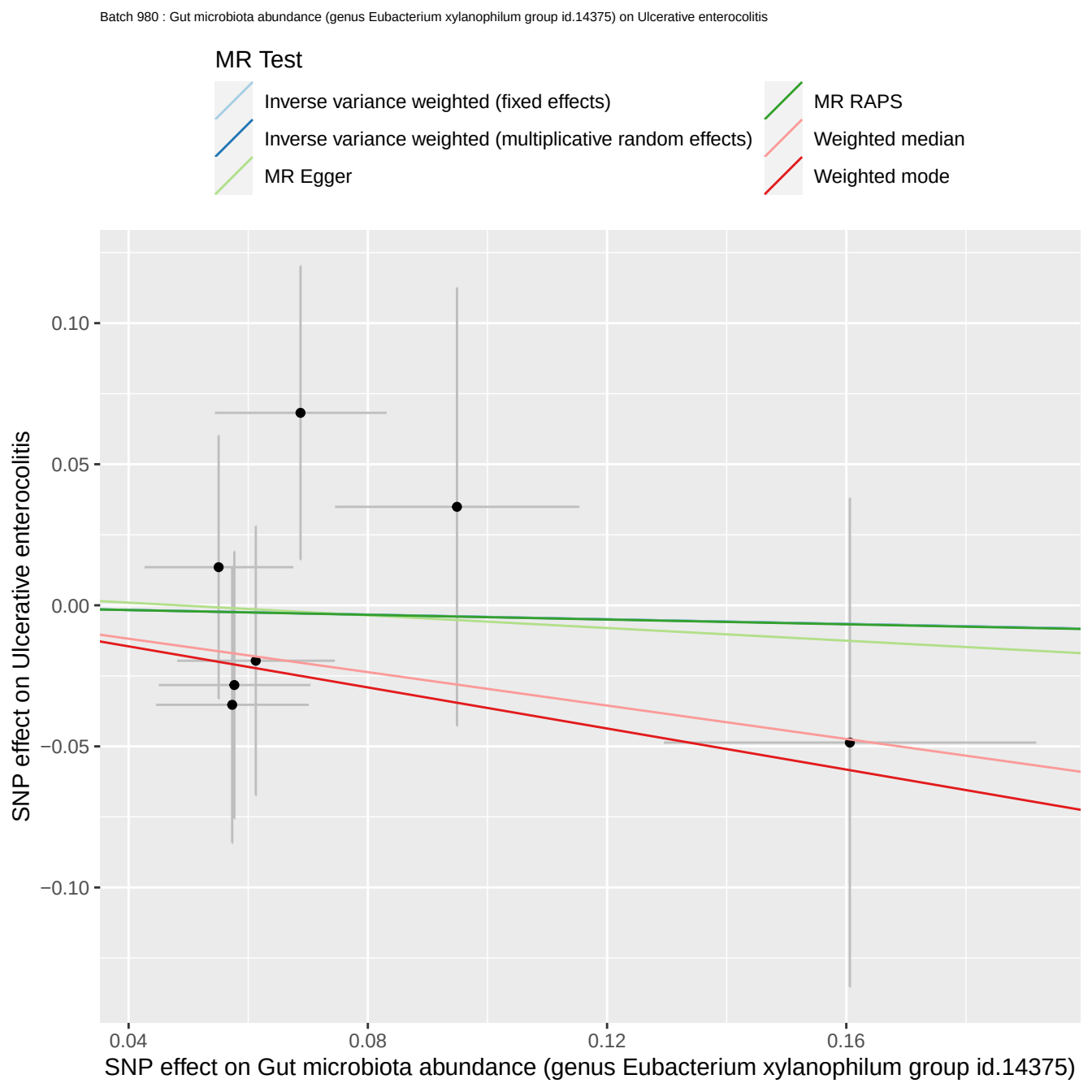
Batch 976 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Ulcerative enterocolitis

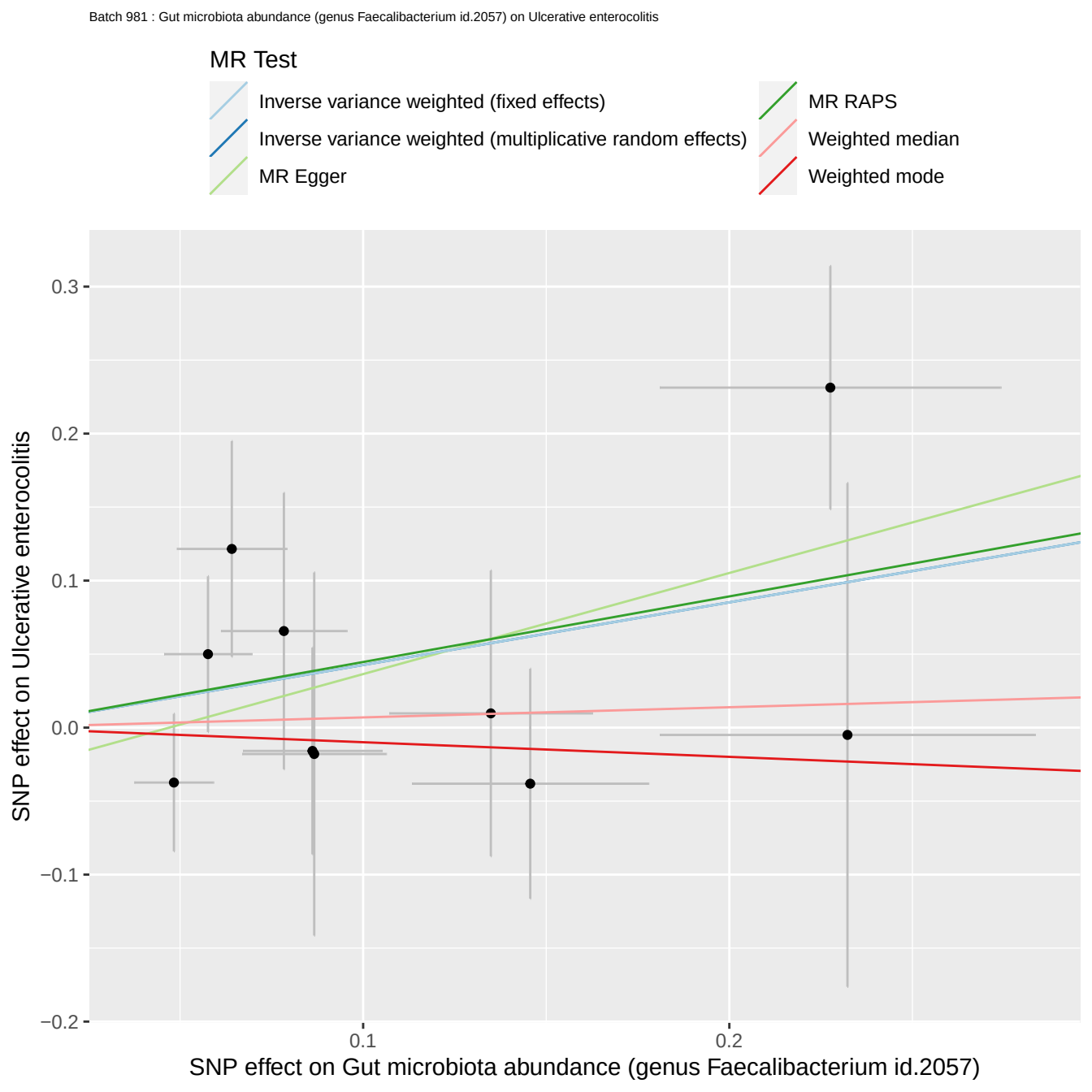


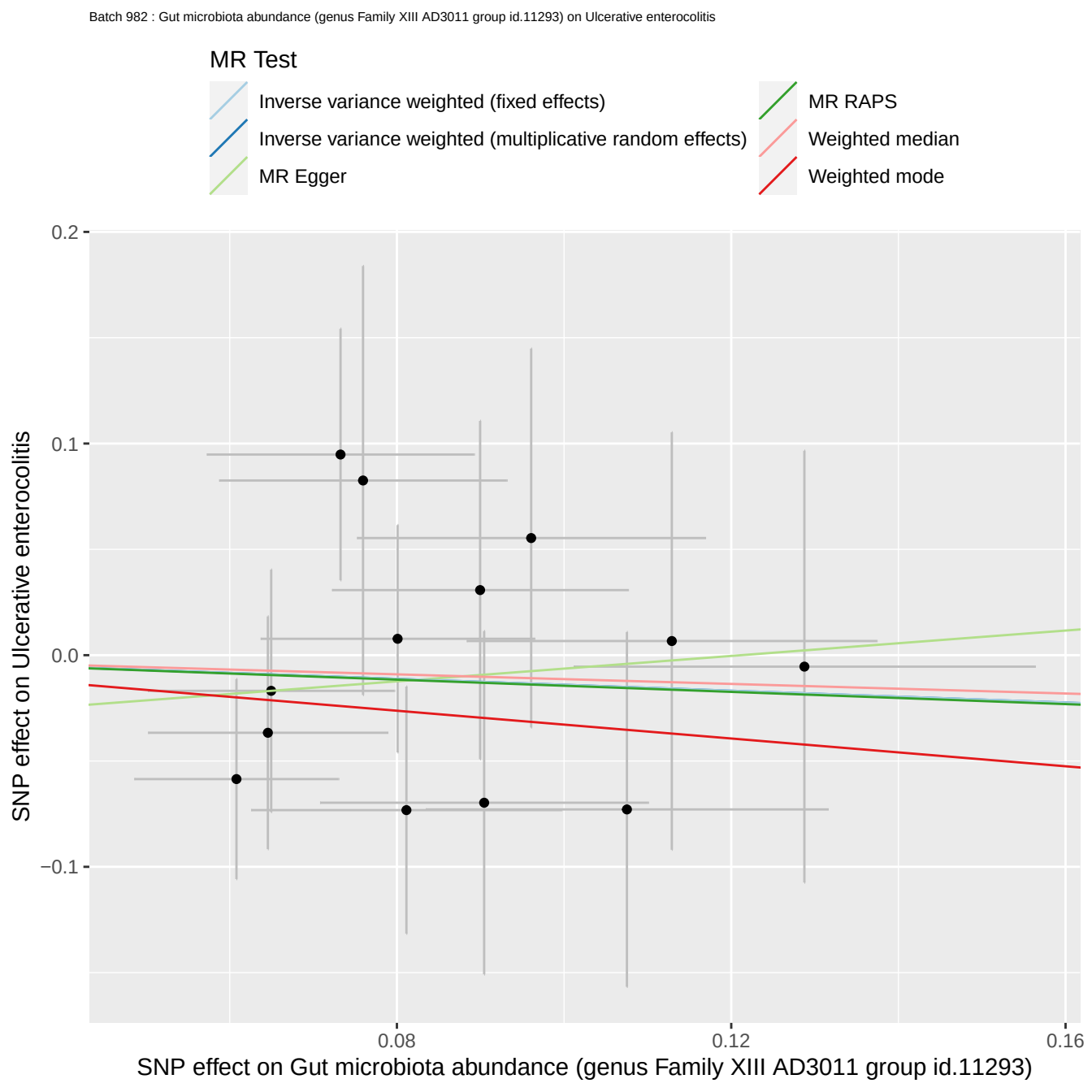

Batch 977 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

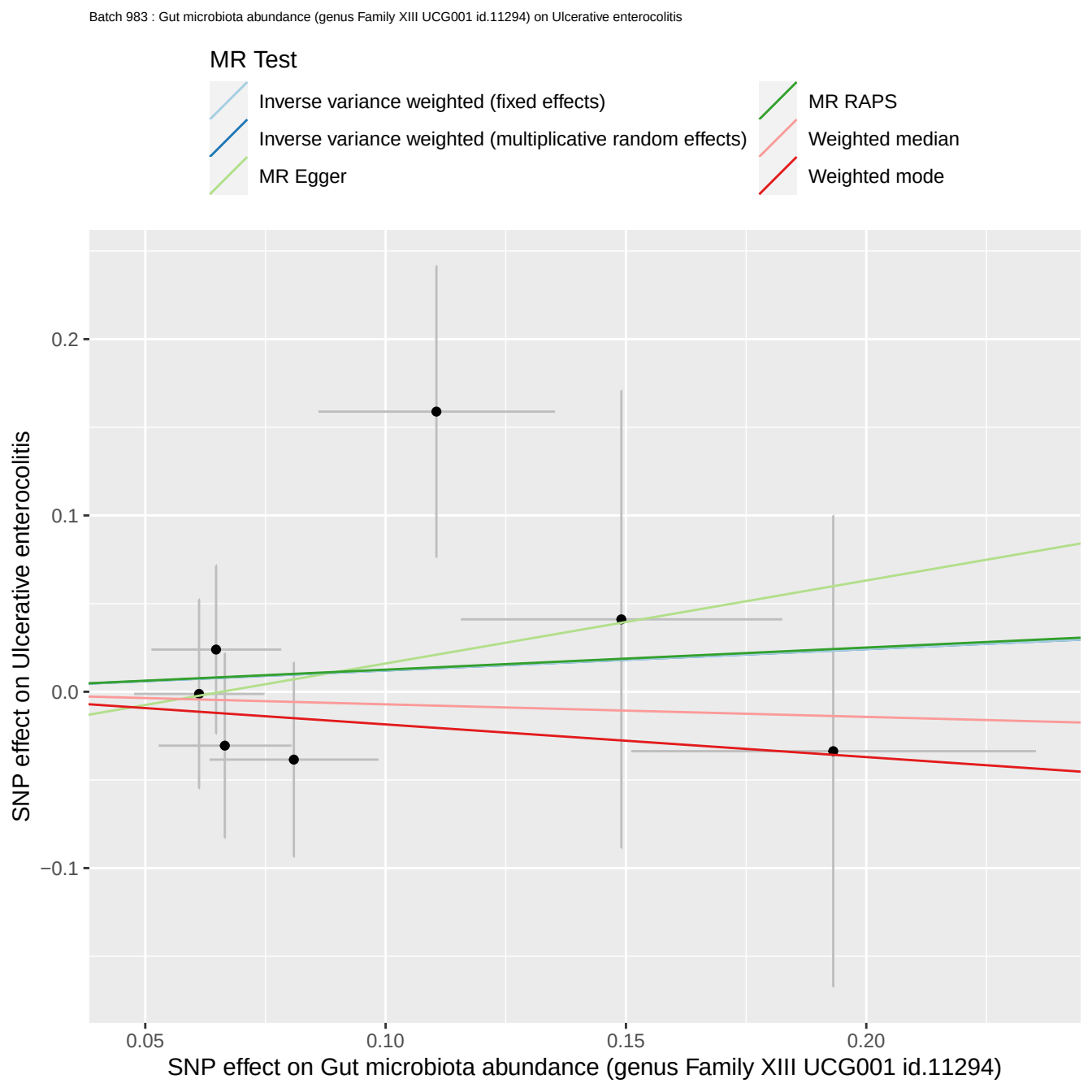

Batch 978 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

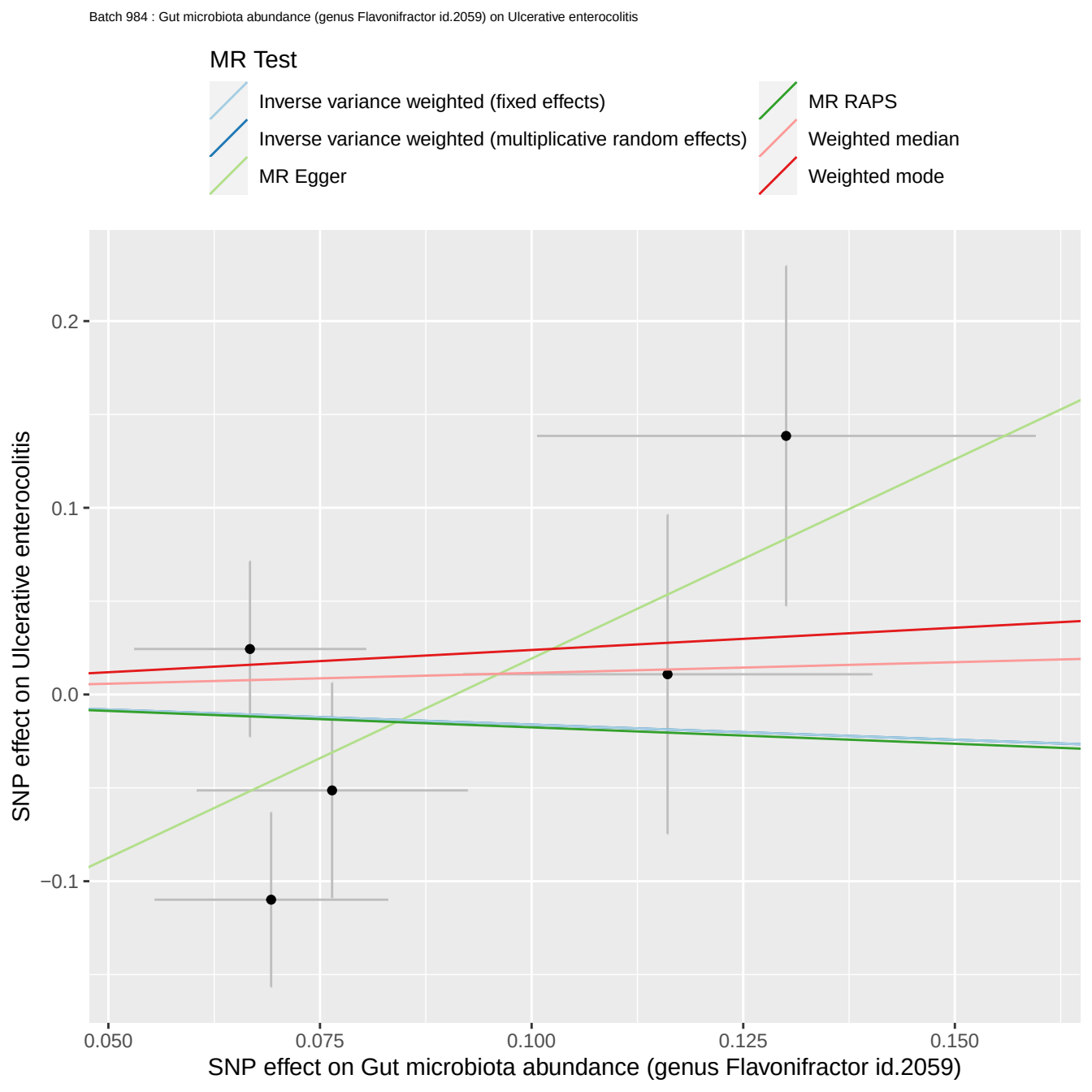

Batch 979 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

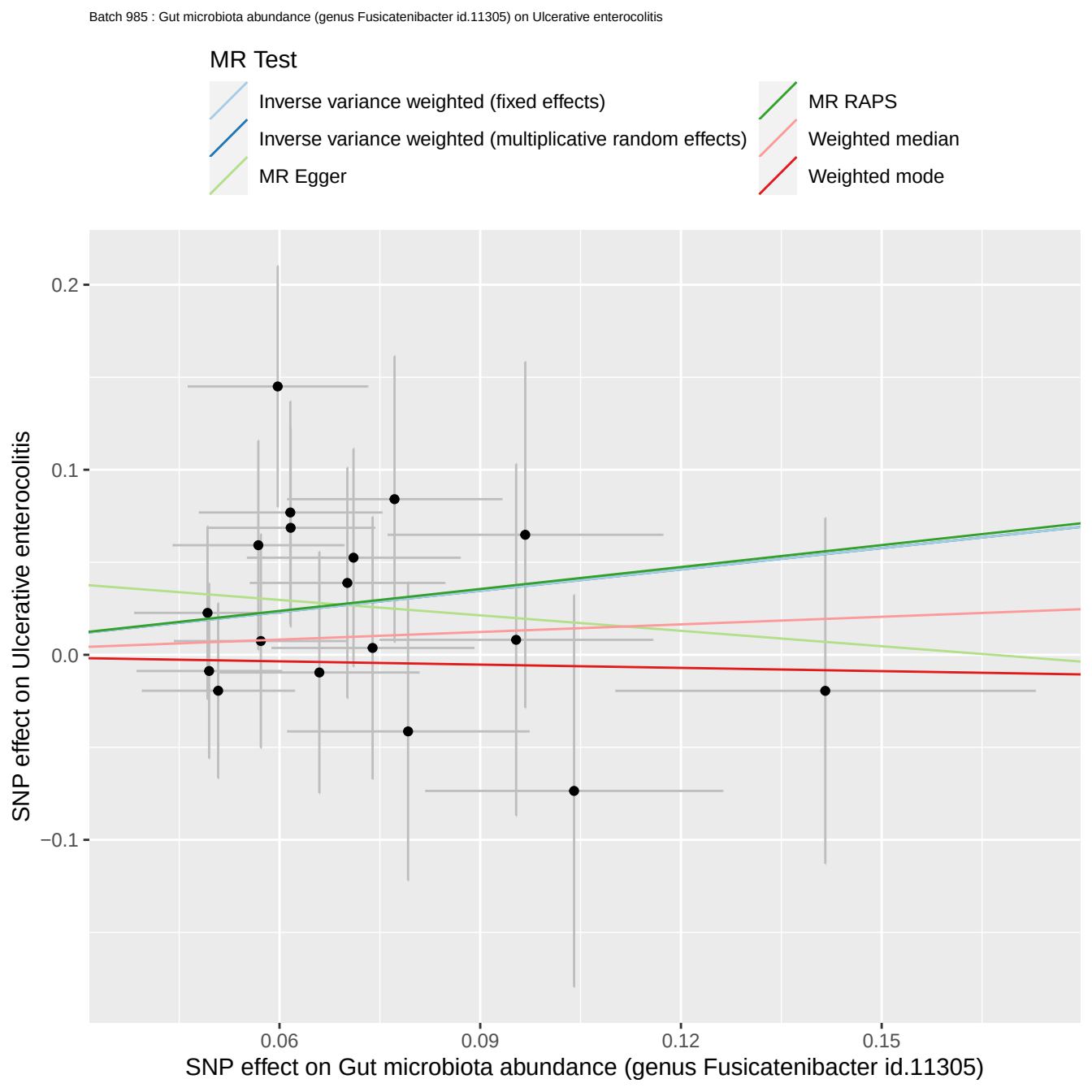

Batch 980 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

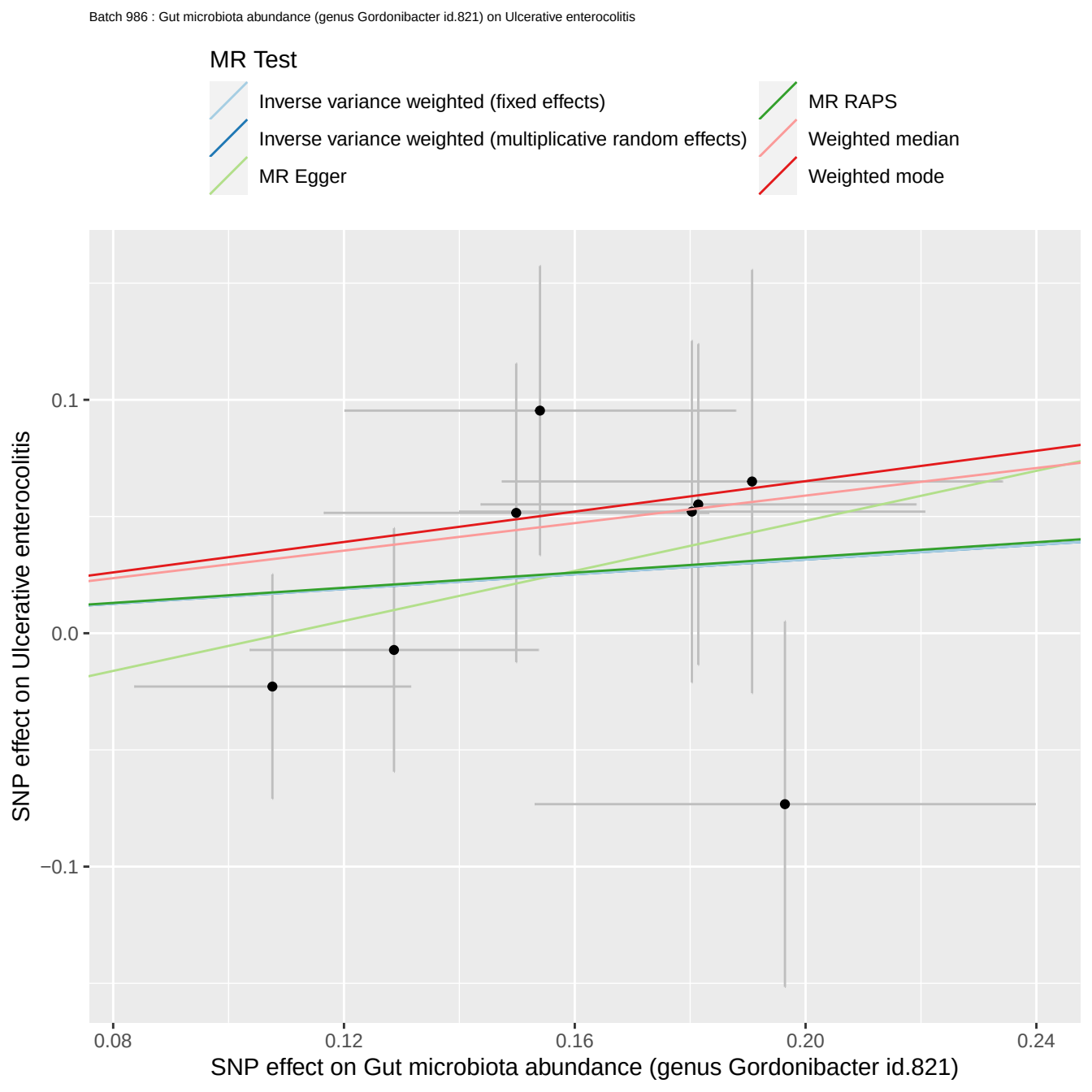

Batch 981 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

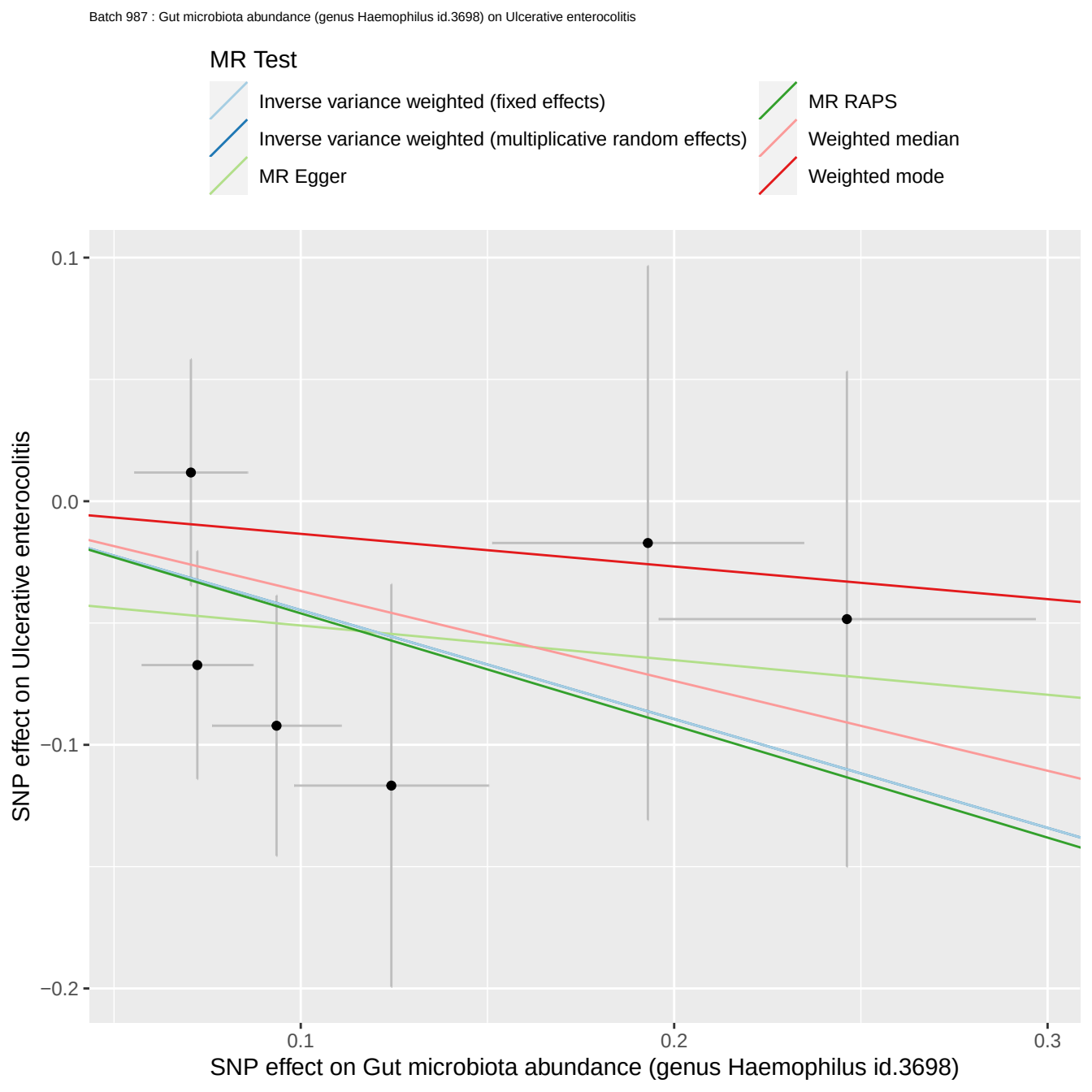

Batch 982 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)


Batch 983 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

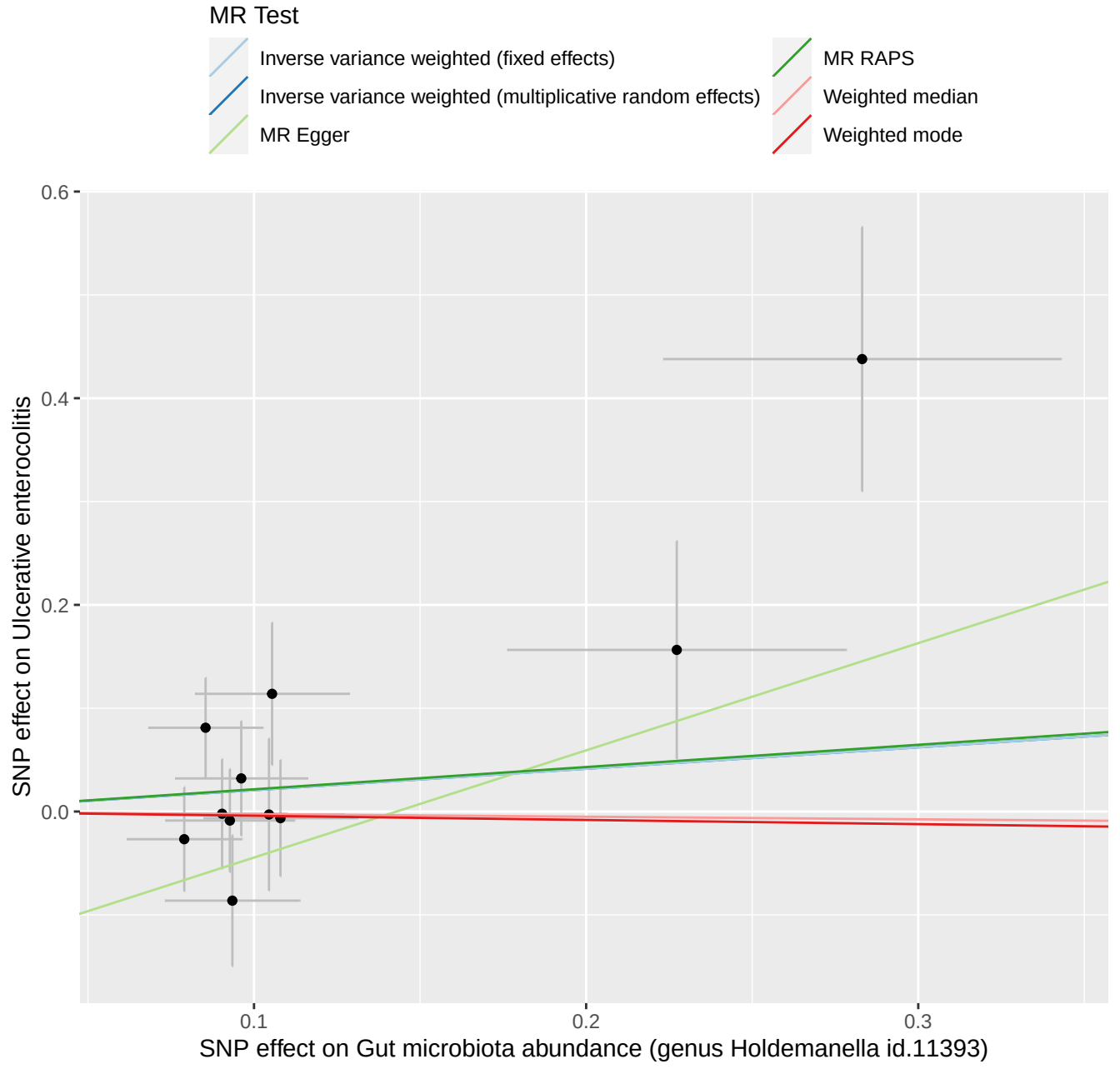

Batch 984 : Gut microbiota abundance (genus Flavonifractor id.2059) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)


Batch 985 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

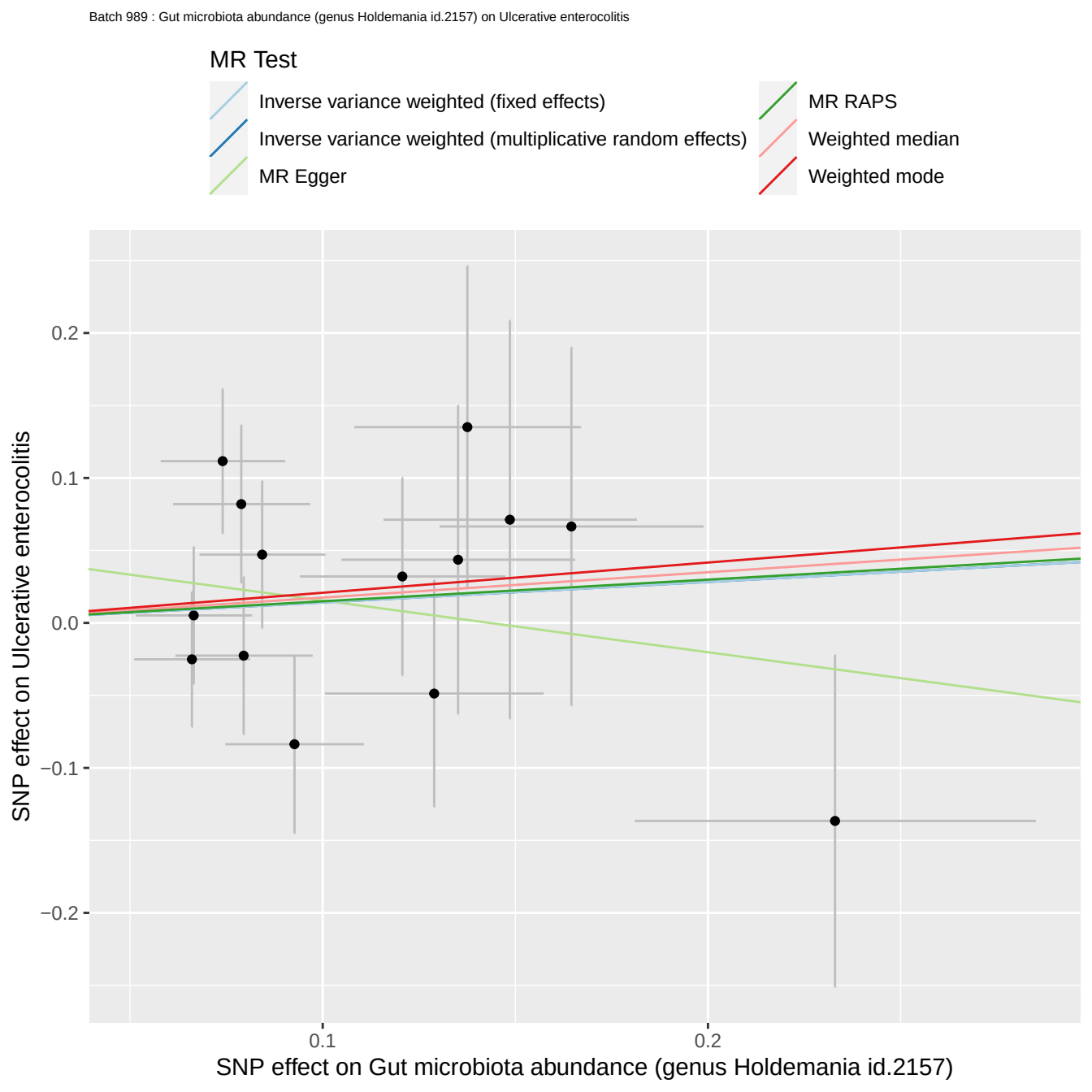

Batch 986 : Gut microbiota abundance (genus Gordonibacter id.821) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

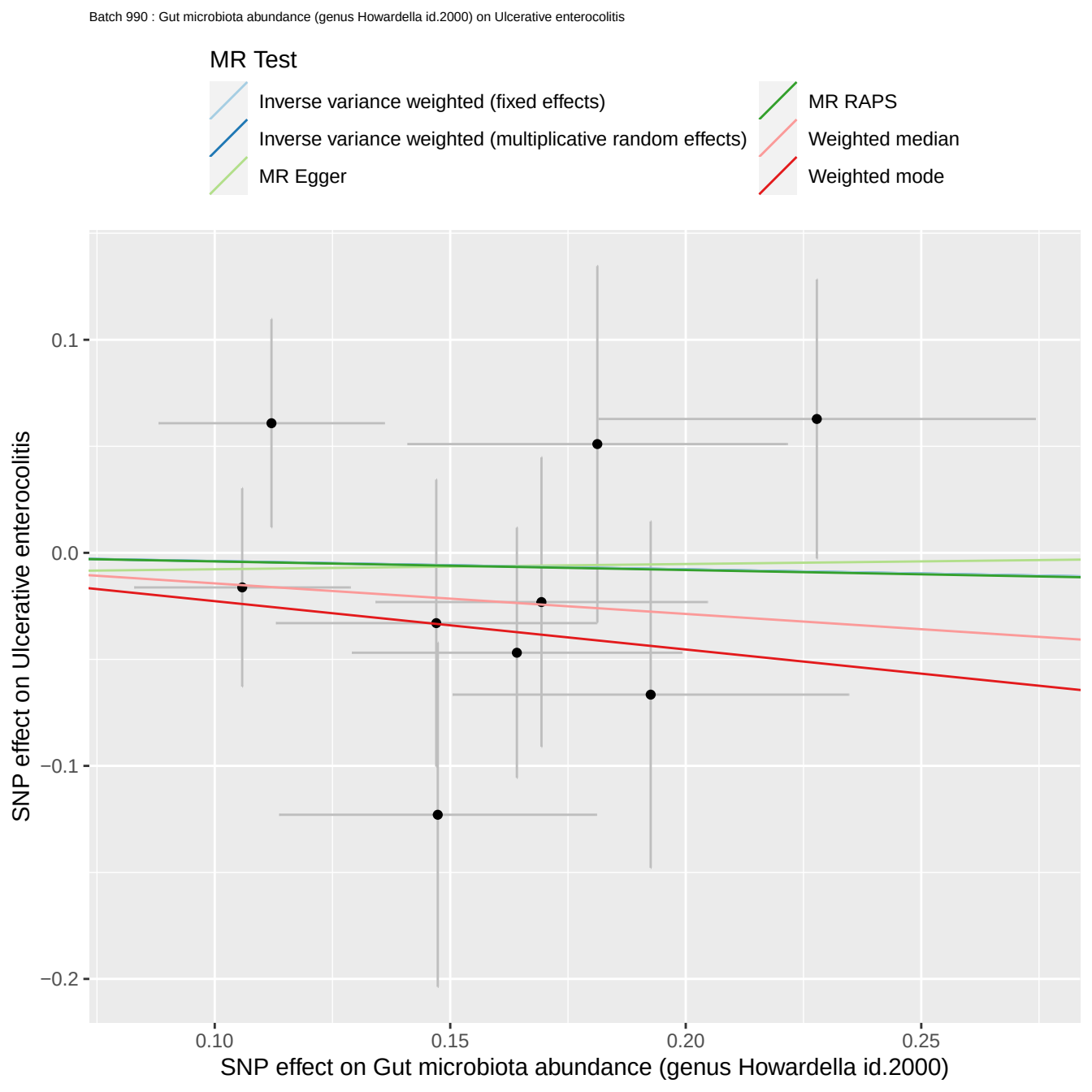

Batch 987 : Gut microbiota abundance (genus Haemophilus id.3698) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative enterocolitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

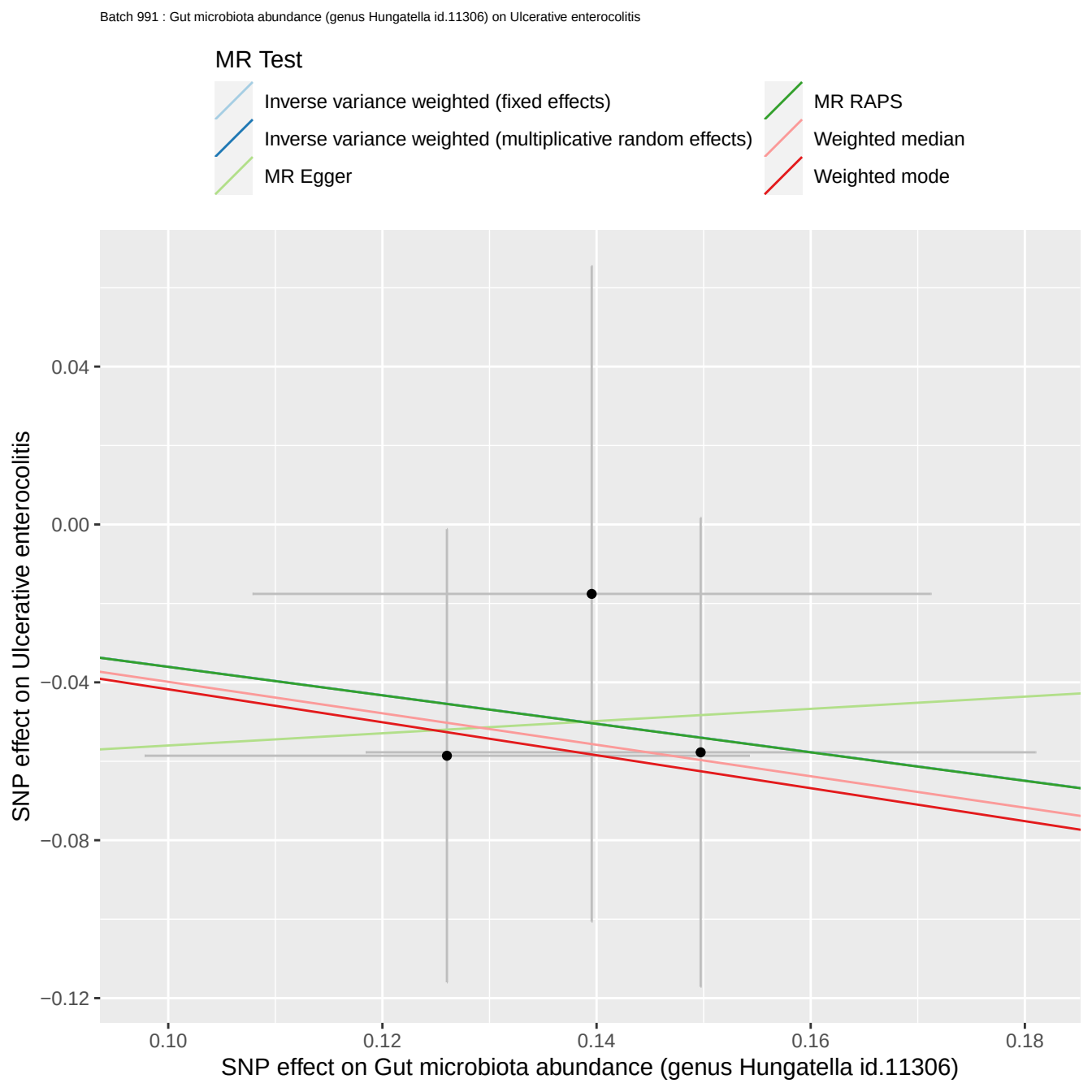
Batch 988 : Gut microbiota abundance (genus Holdemanella id.11393) on Ulcerative enterocolitis

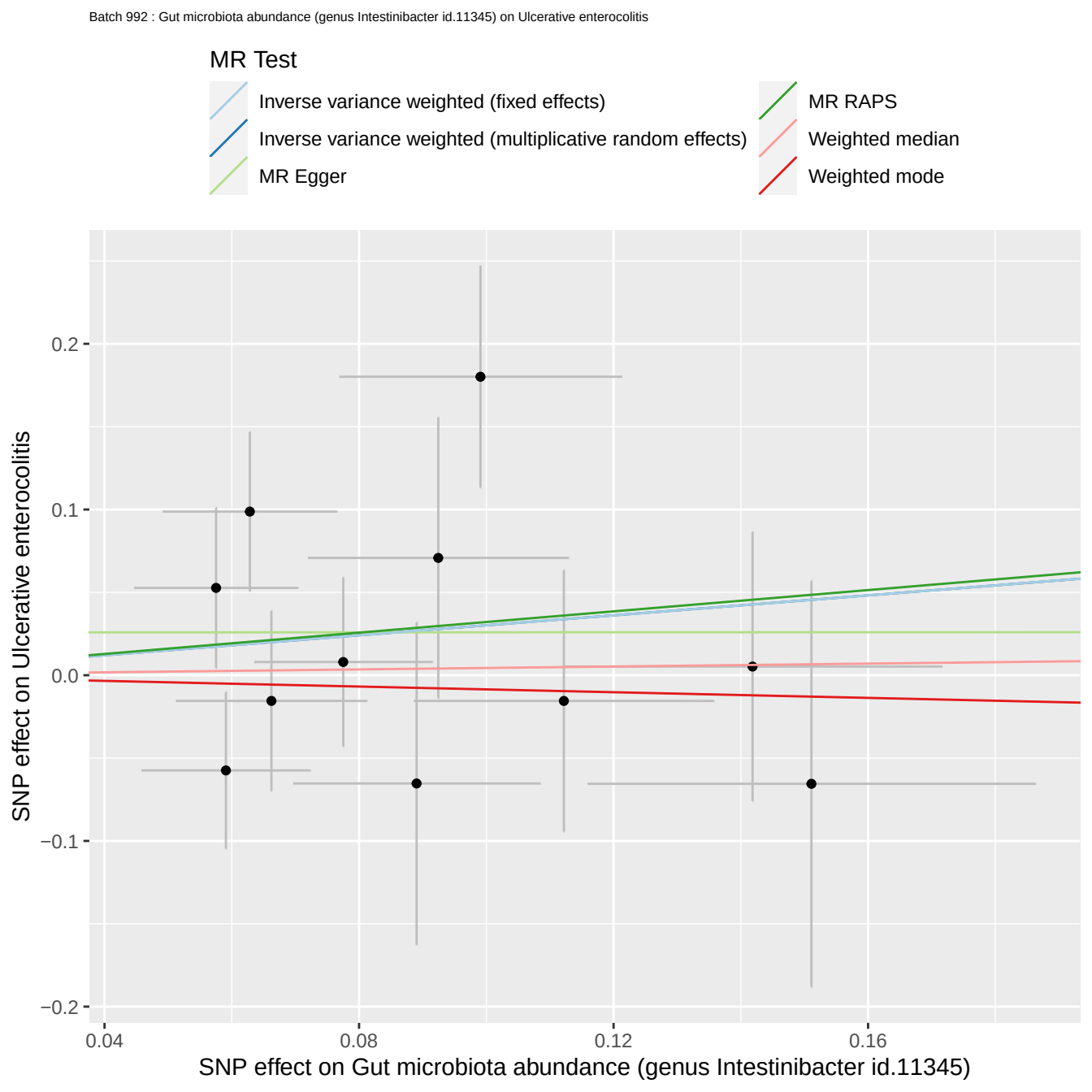


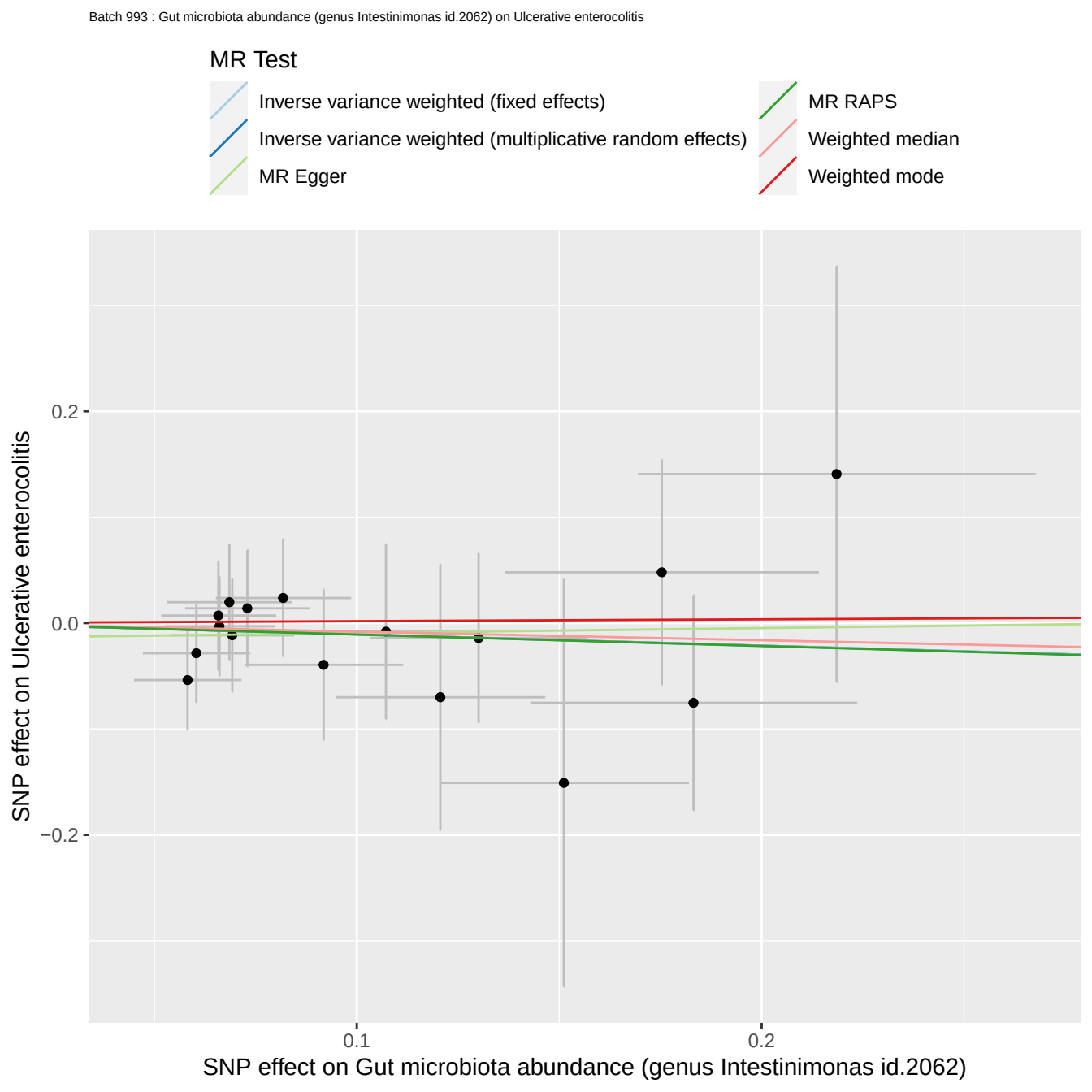
Batch 989 : Gut microbiota abundance (genus Holdemania id.2157) on Ulcerative enterocolitis

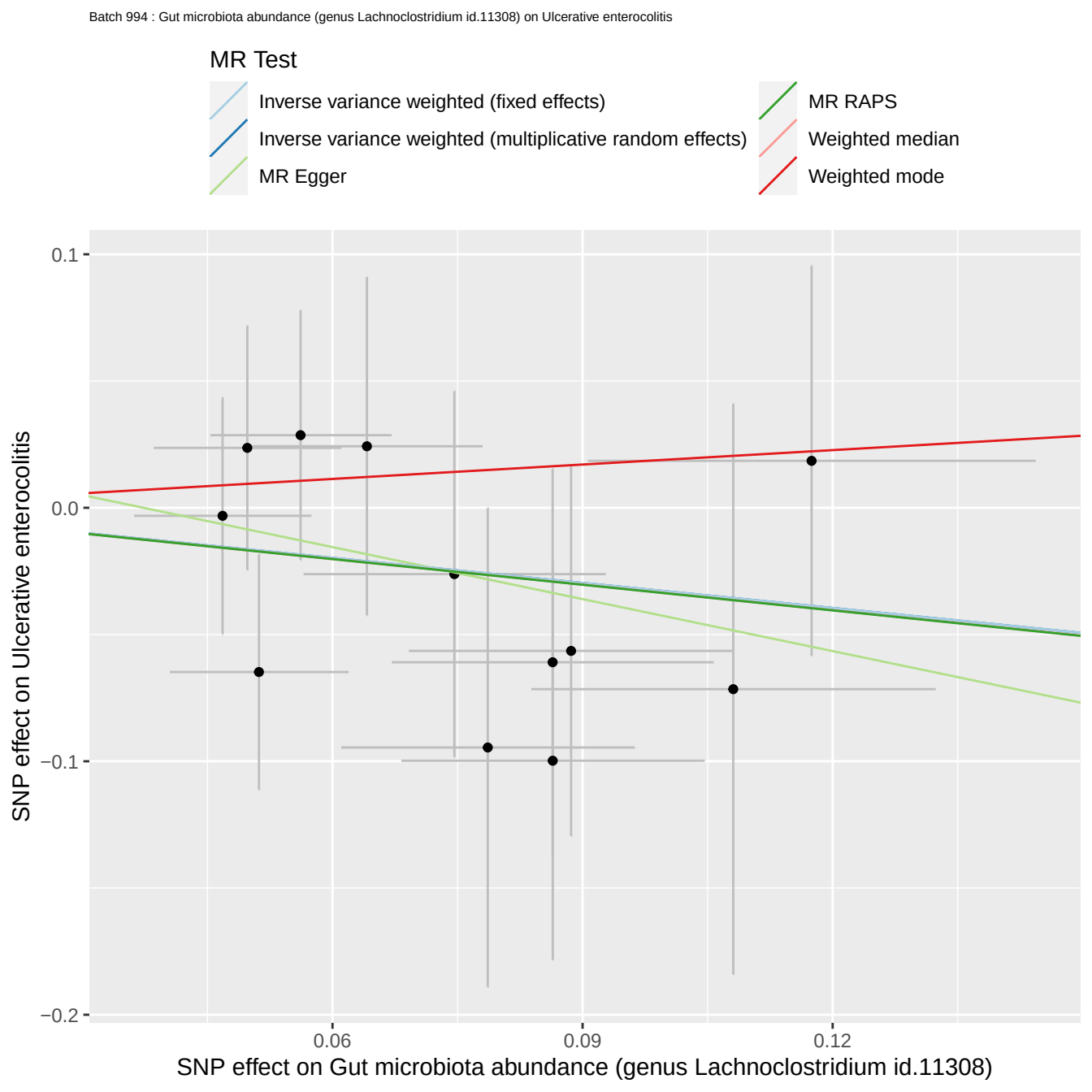


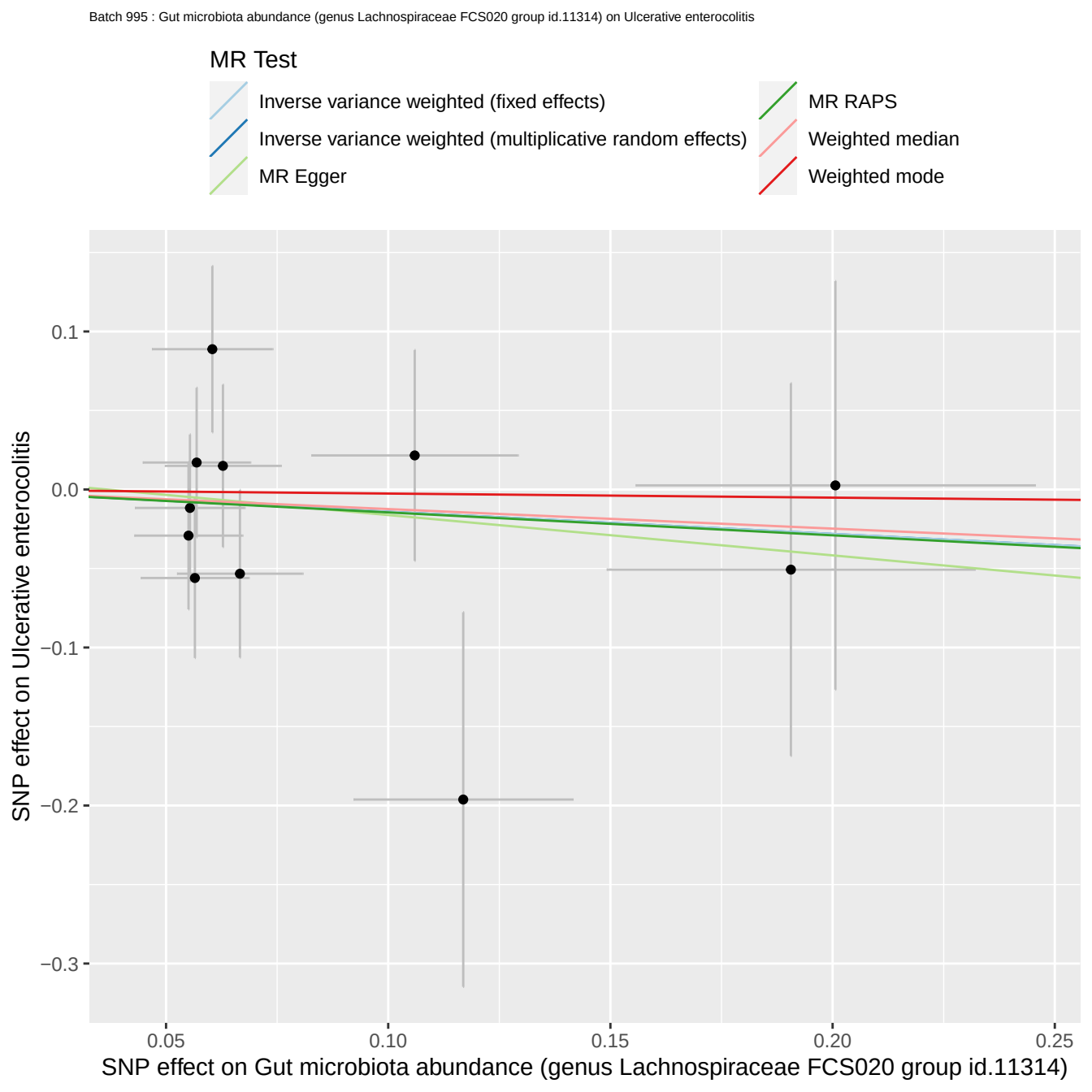

Batch 990 : Gut microbiota abundance (genus Howardella id.2000) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

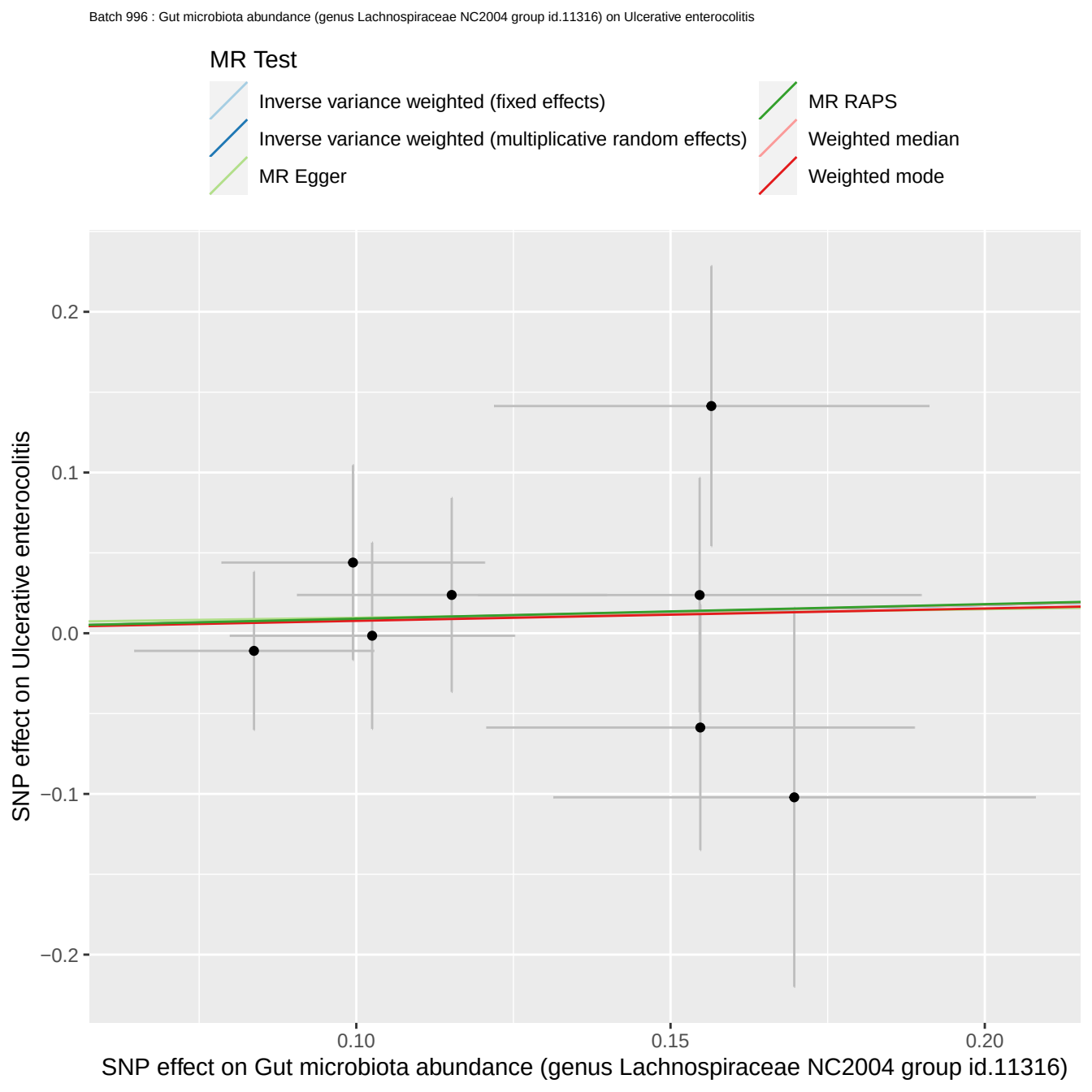

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.04
0.00
−0.04
−0.08
−0.12
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)

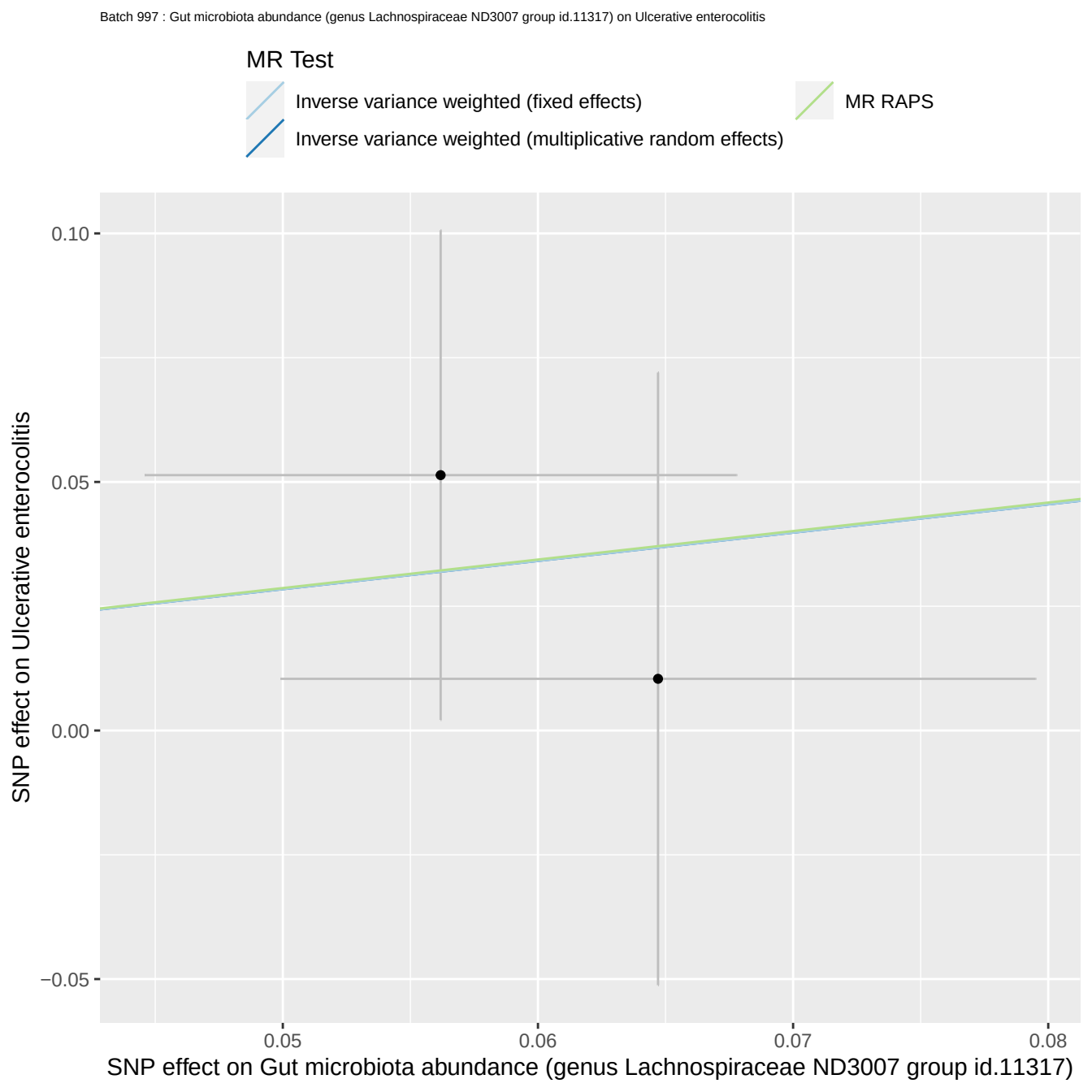

Batch 992 : Gut microbiota abundance (genus Intestinibacter id.11345) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)

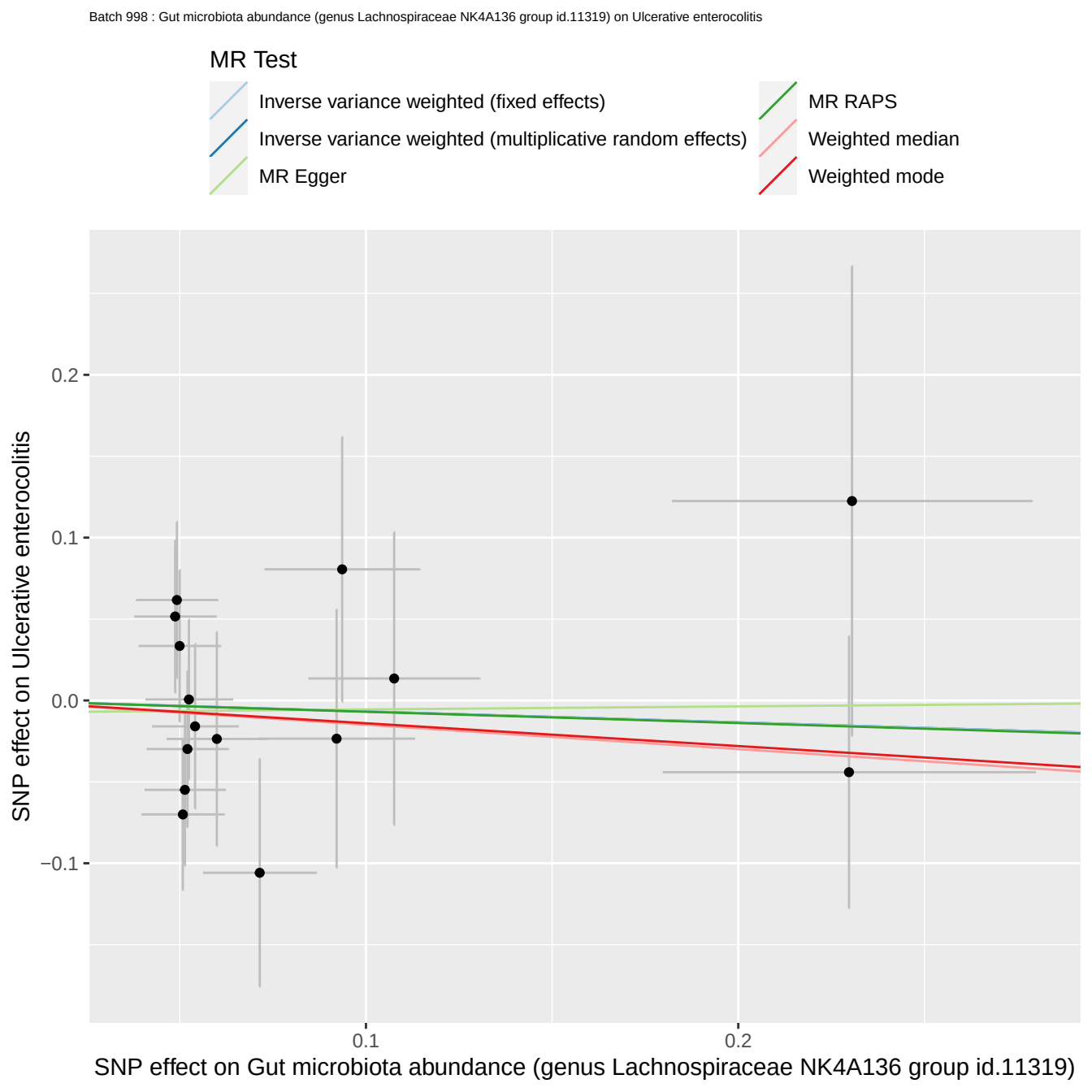

Batch 993 : Gut microbiota abundance (genus Intestinimonas id.2062) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

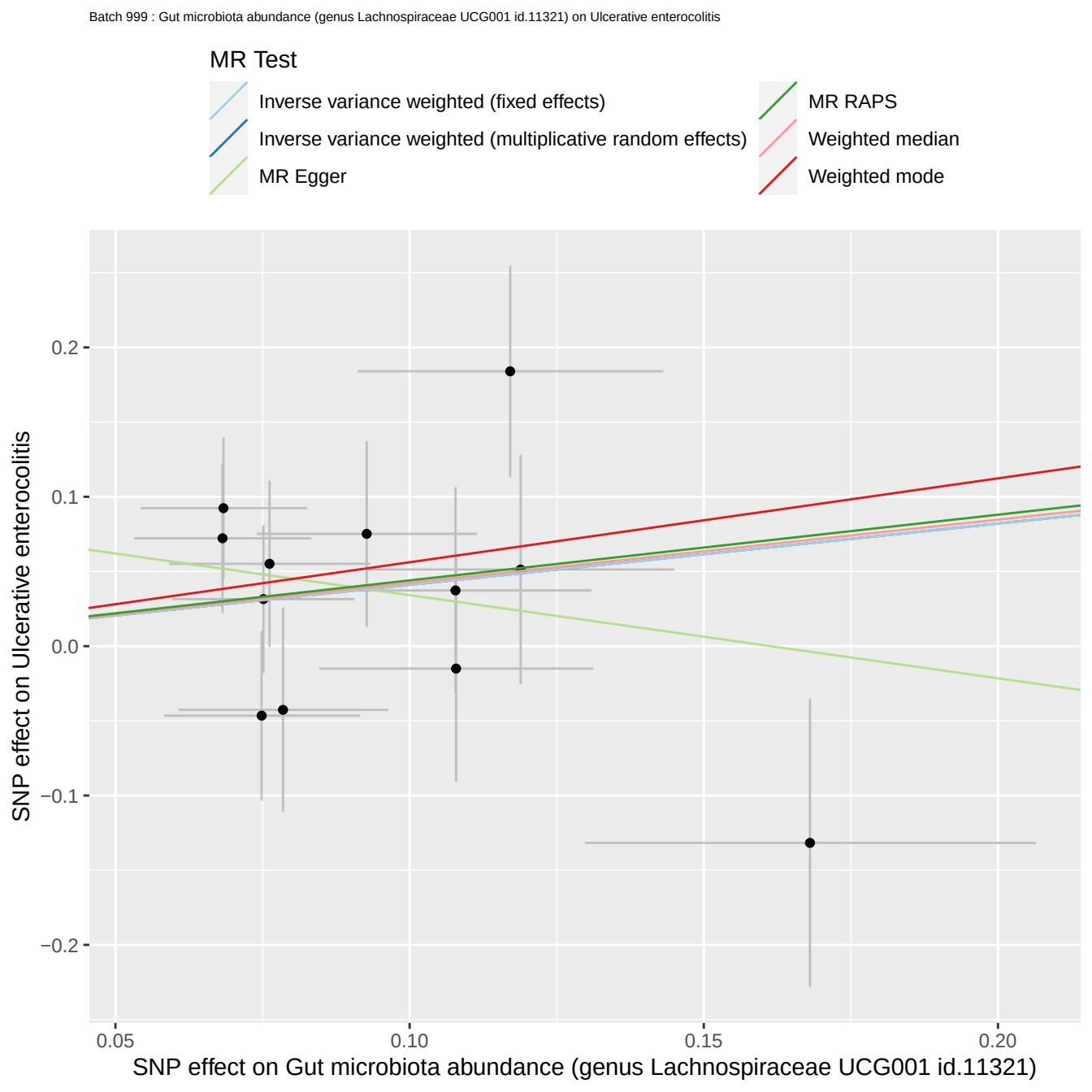

Batch 994 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (genus Lachnoclostridium id.11308)

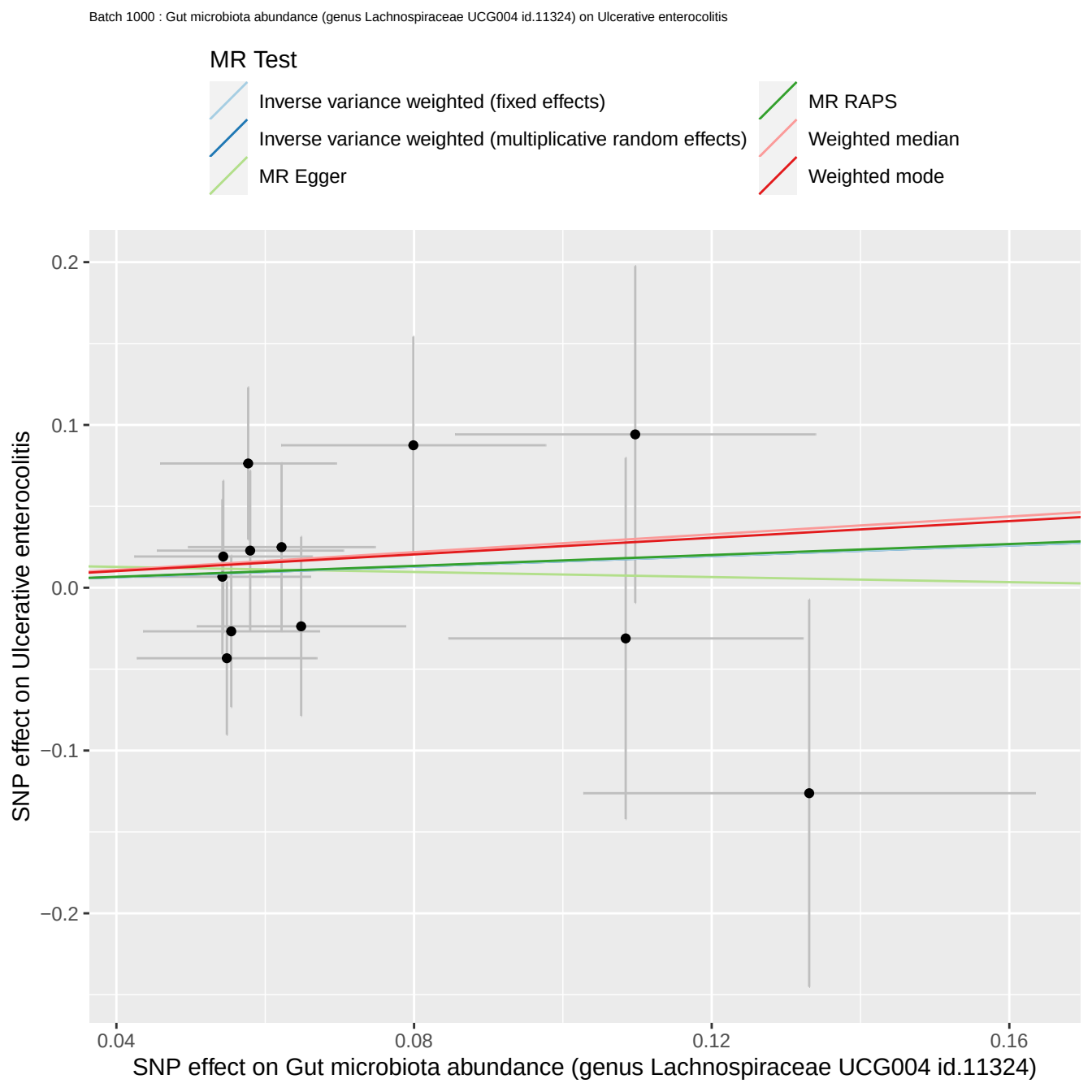

Batch 995 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

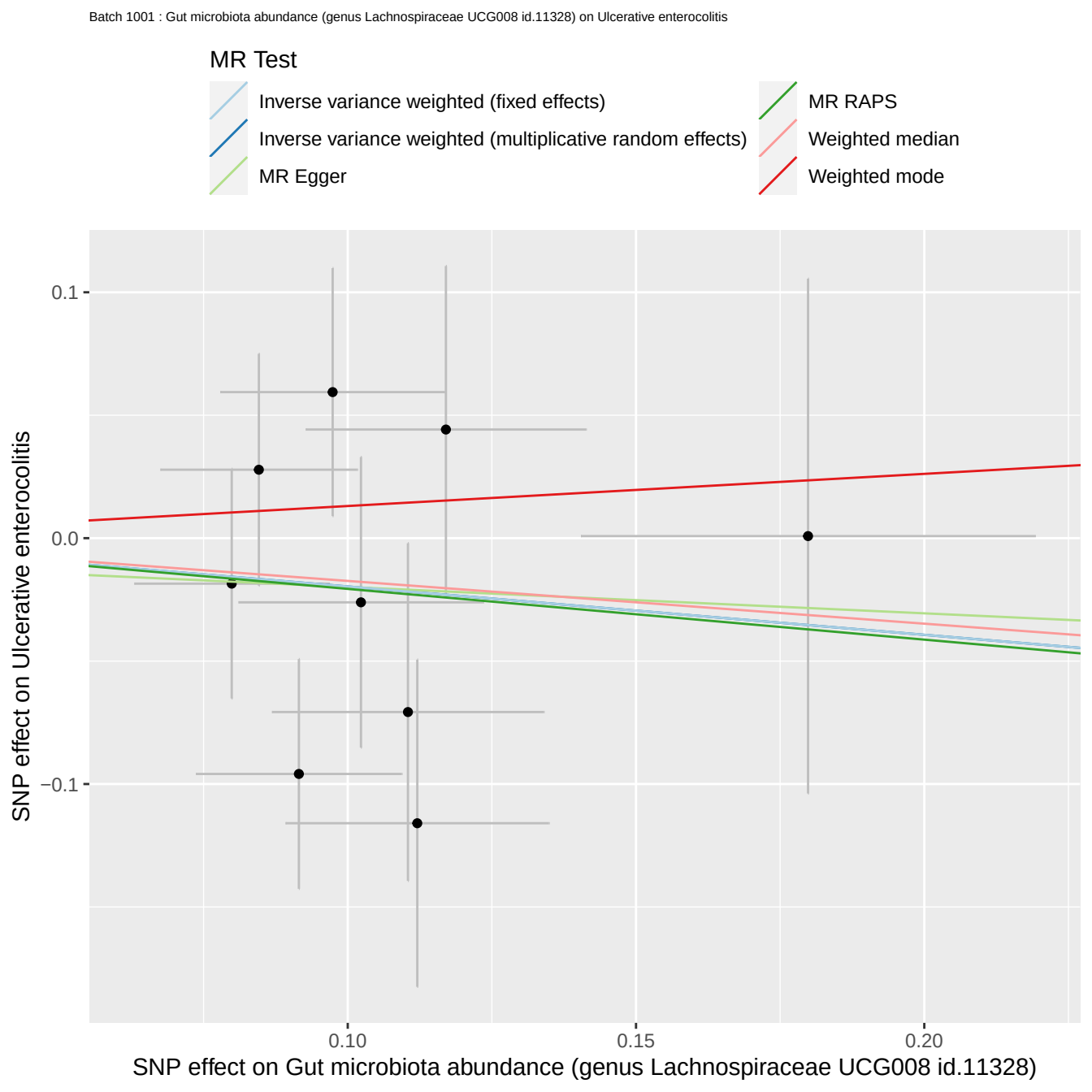

Batch 996 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)

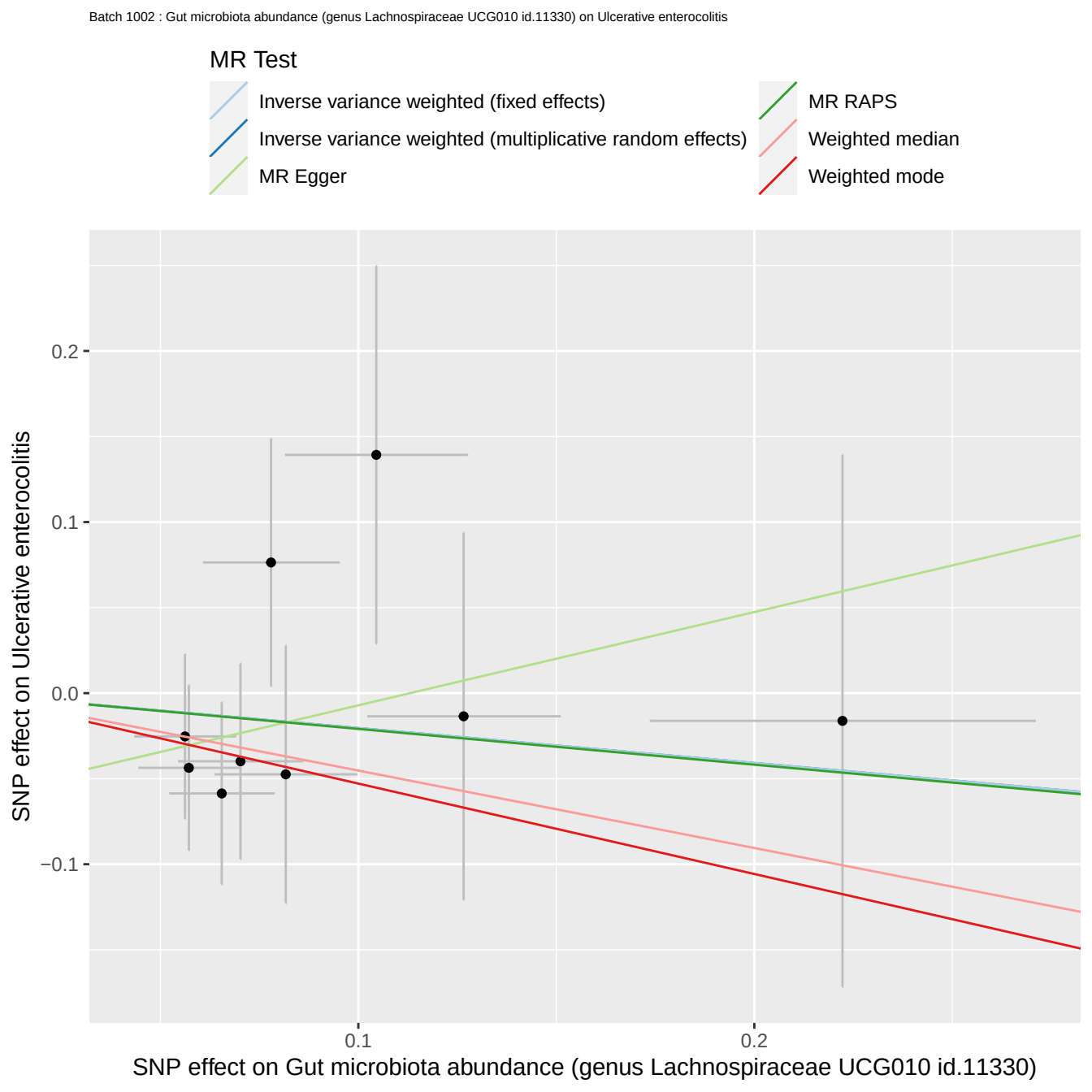

Batch 997 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative enterocolitis
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)


Batch 998 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319)

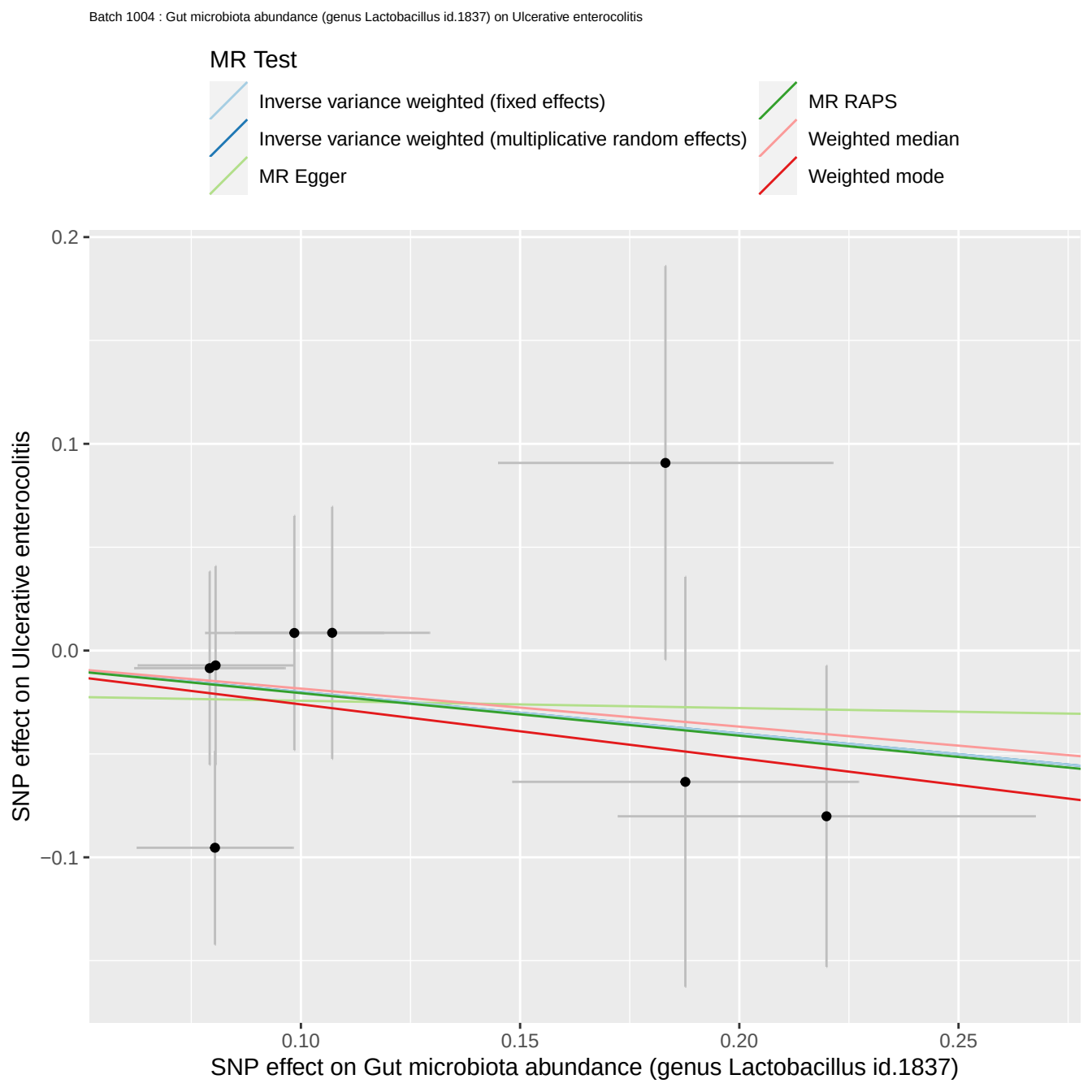

Batch 999 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)


Batch 1000 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative enterocolitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

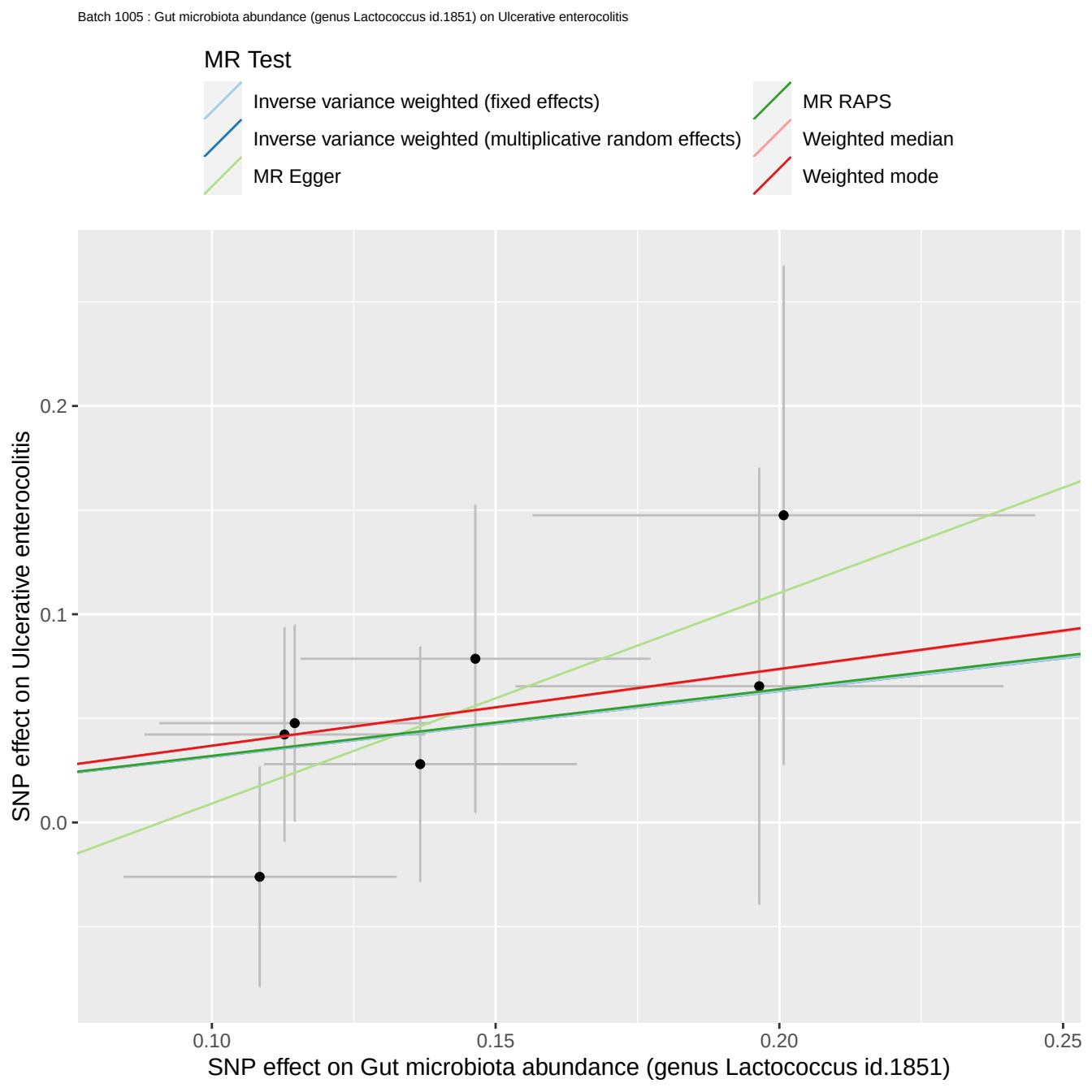

Batch 1001 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

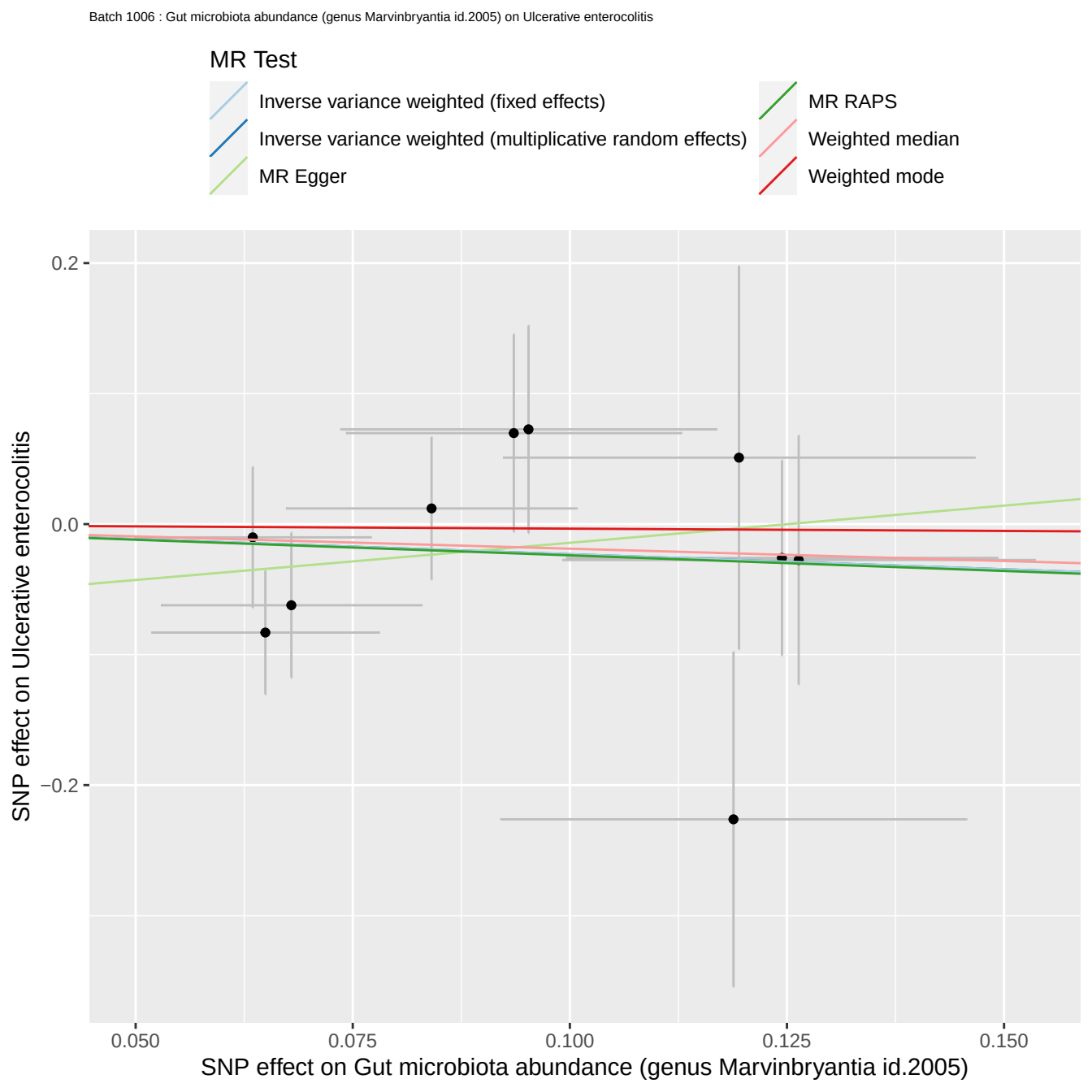

Batch 1002 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330)

Insufficient number of SNPs

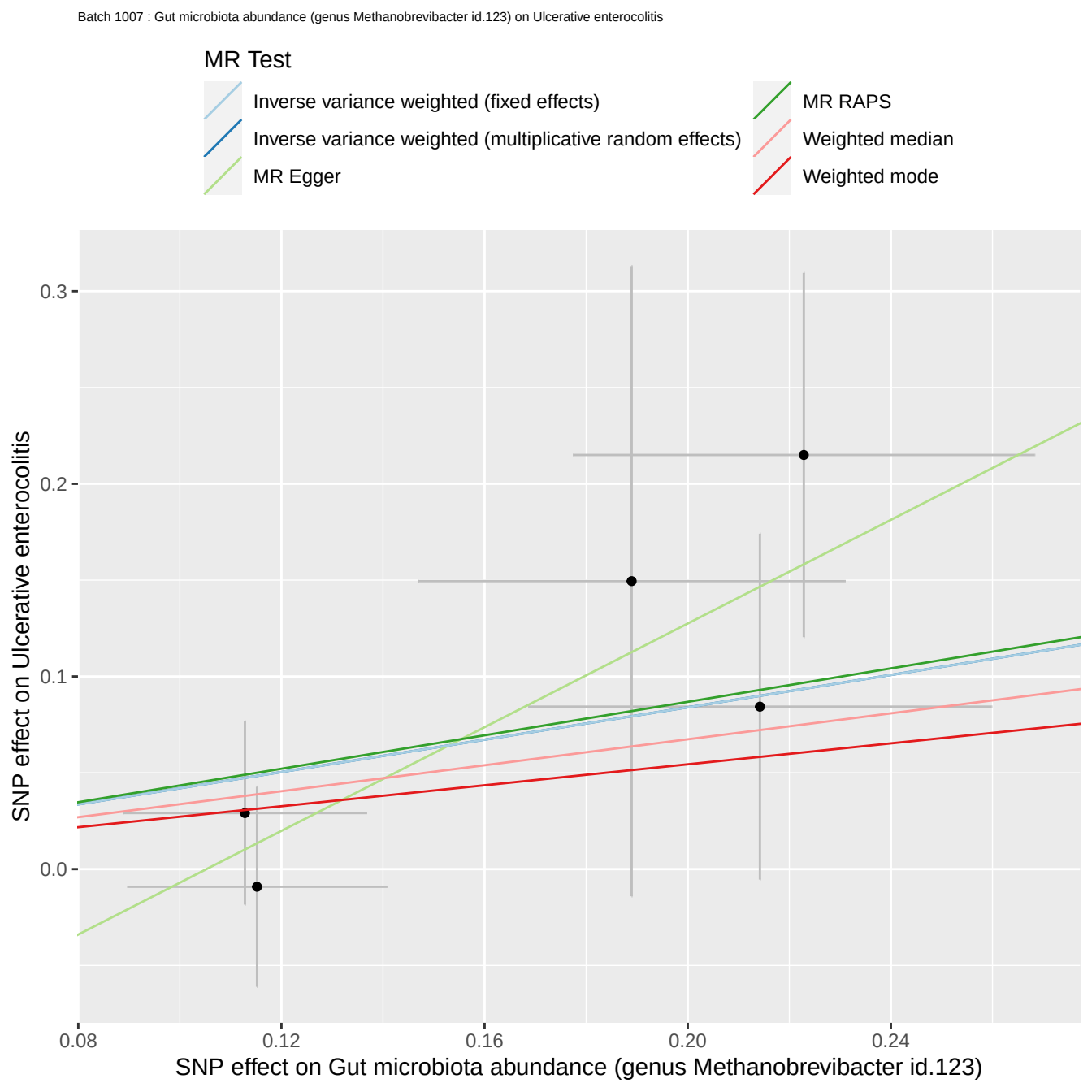

Batch 1004 : Gut microbiota abundance (genus Lactobacillus id.1837) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

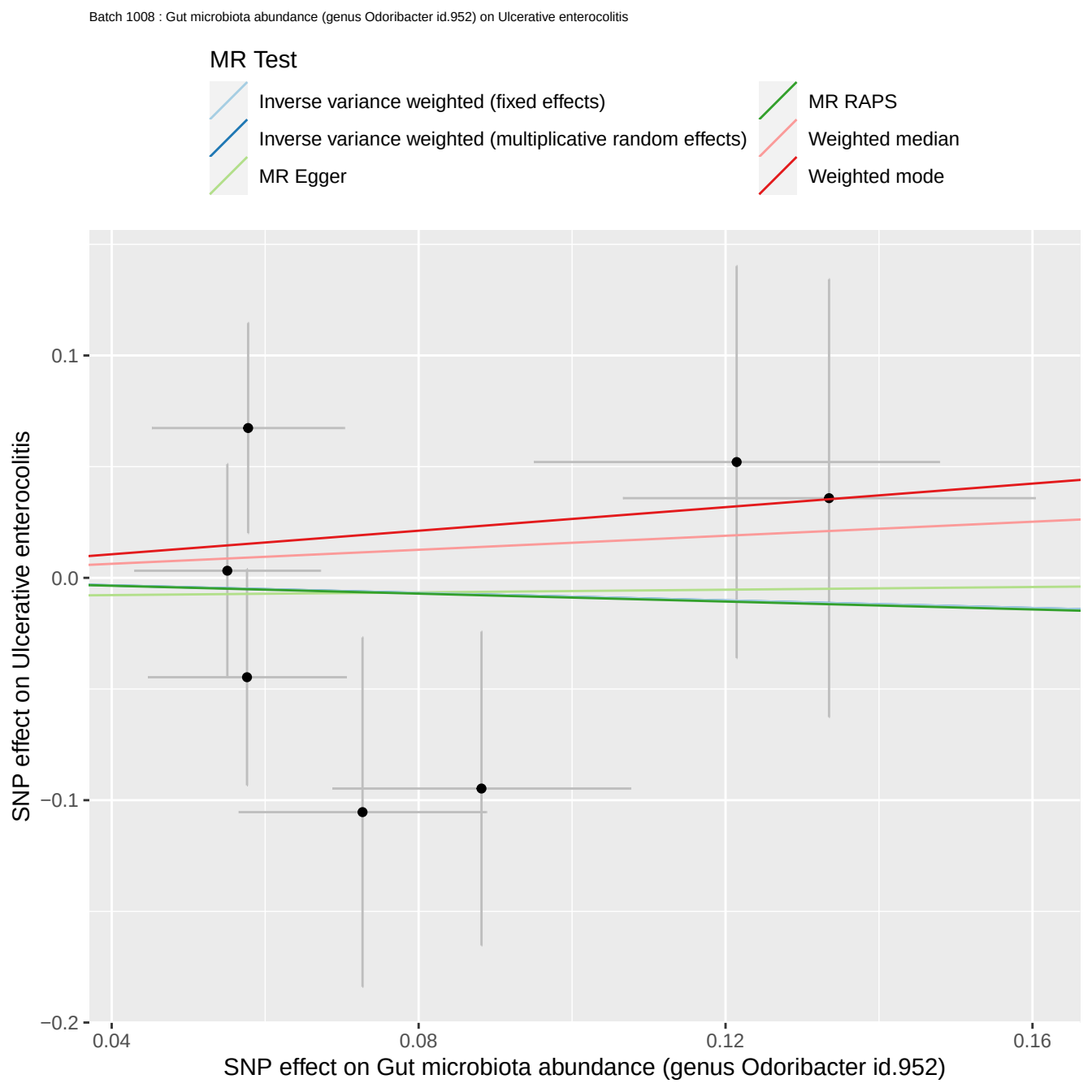
Batch 1005 : Gut microbiota abundance (genus Lactococcus id.1851) on Ulcerative enterocolitis

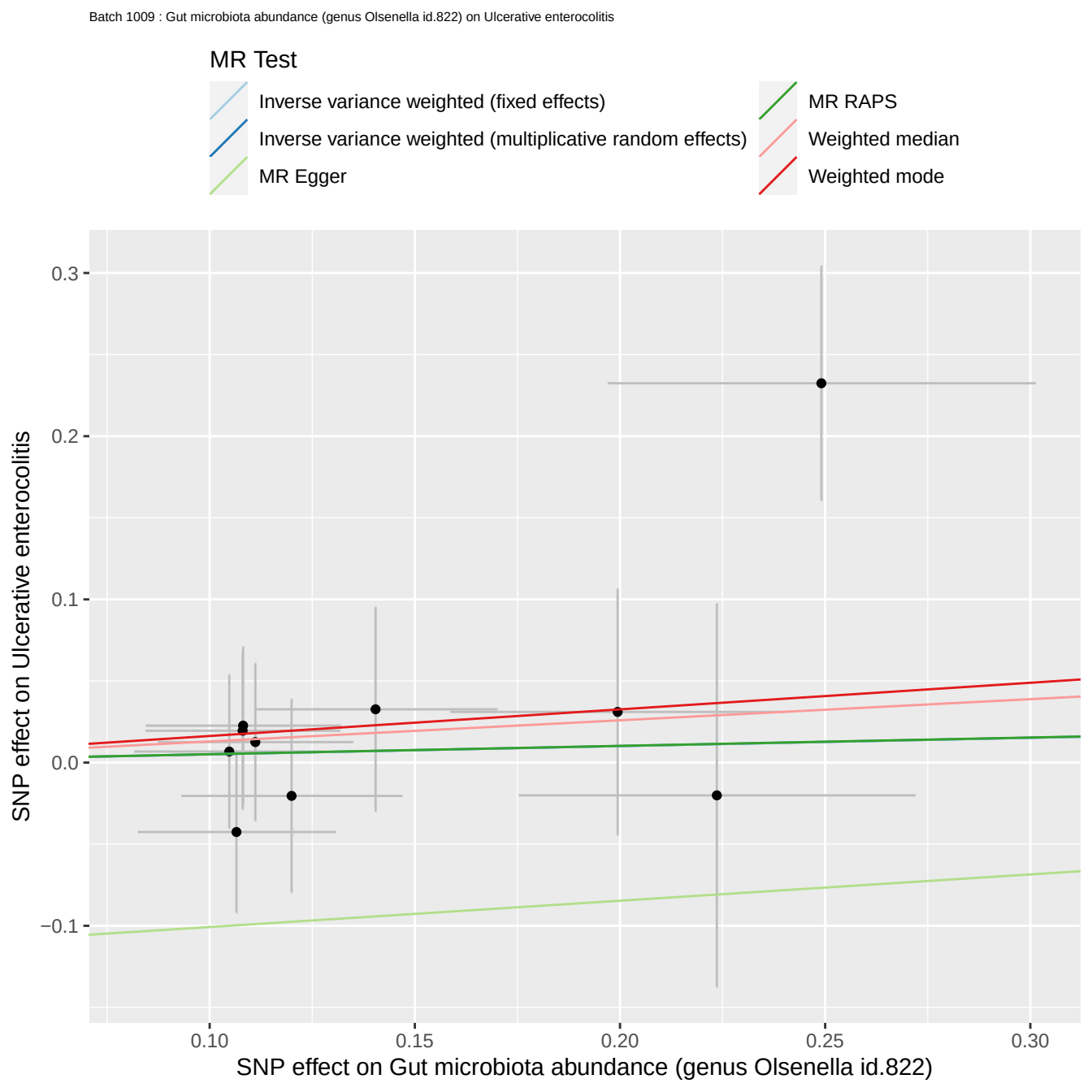


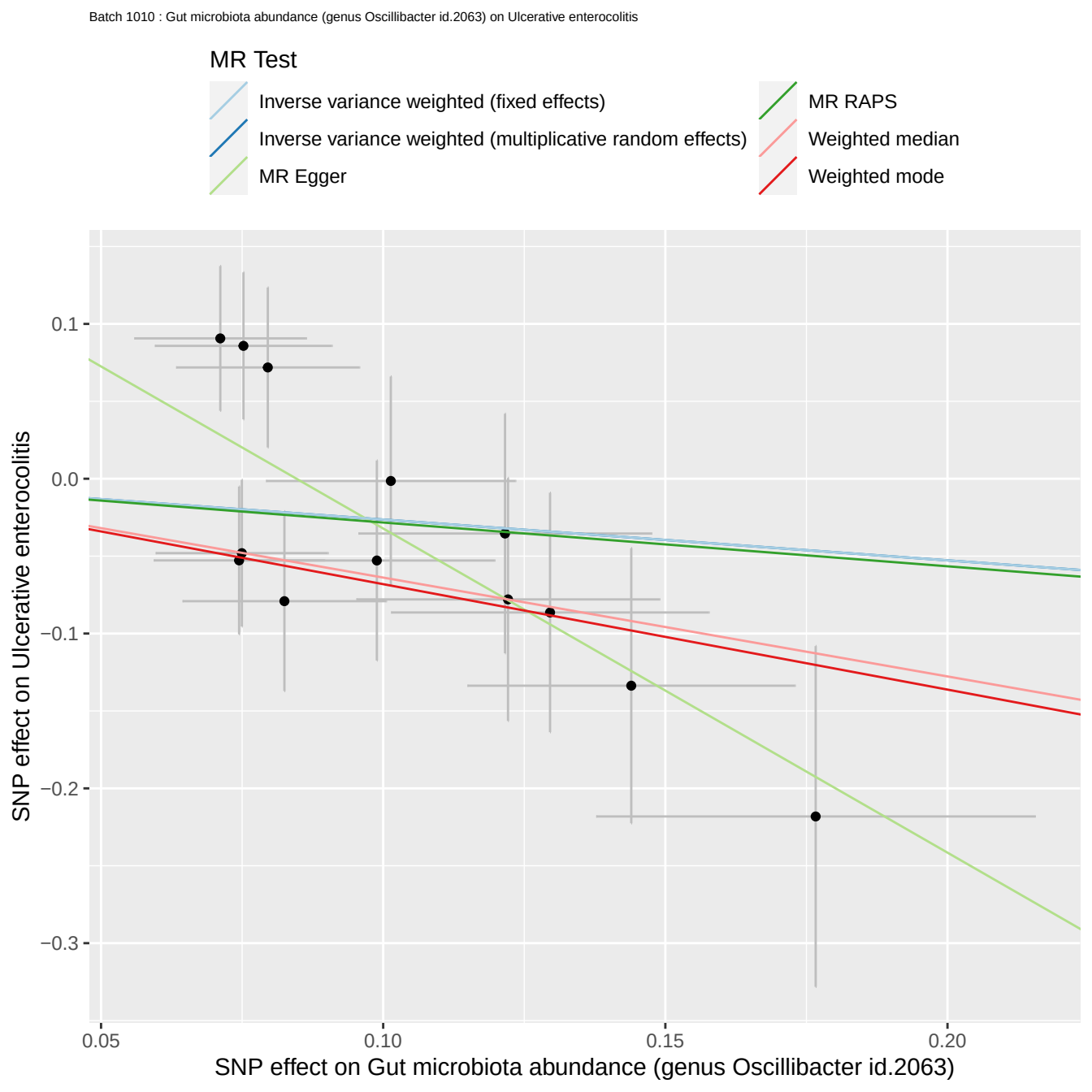

Batch 1006 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
SNP effect on Ulcerative enterocolitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

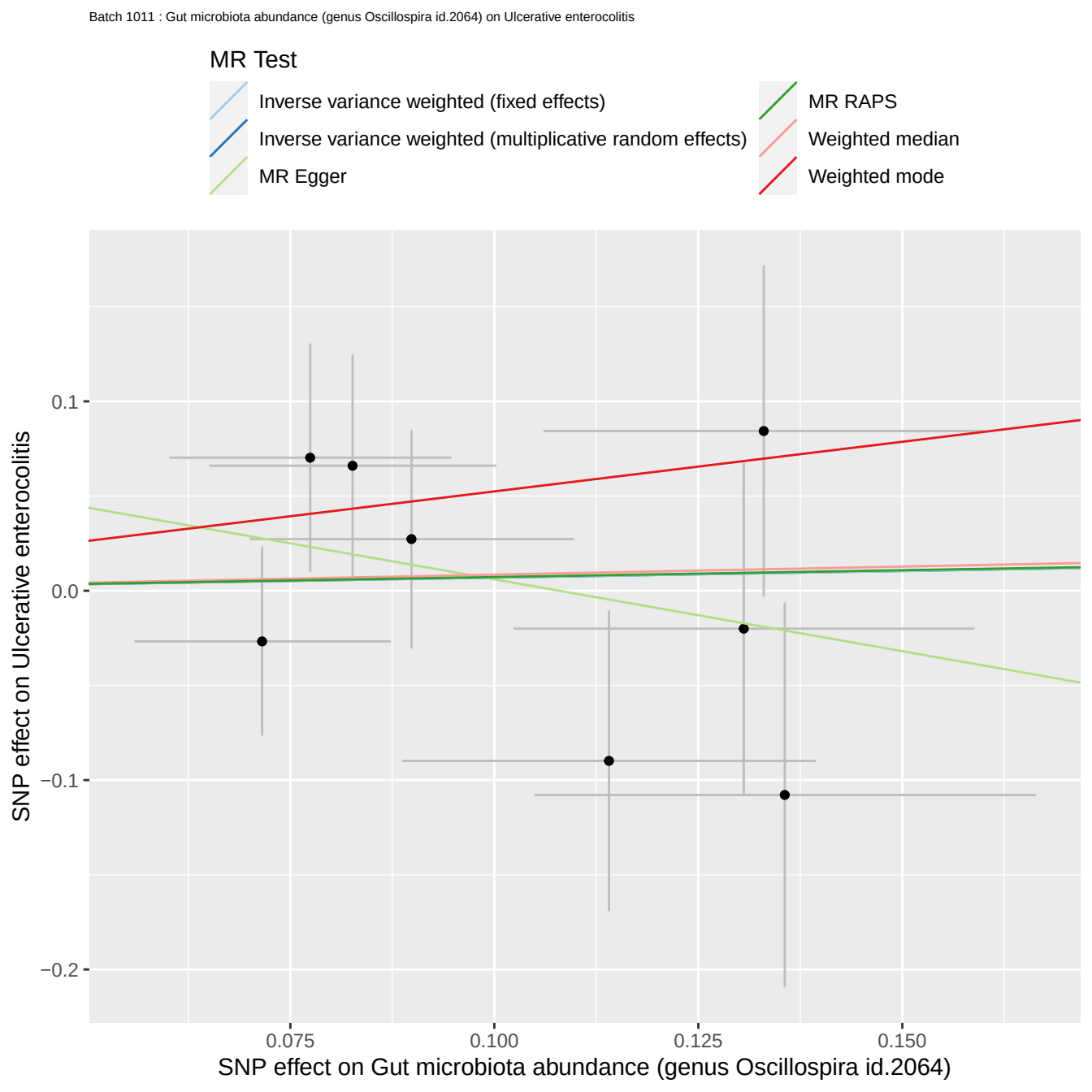
Batch 1007 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Ulcerative enterocolitis

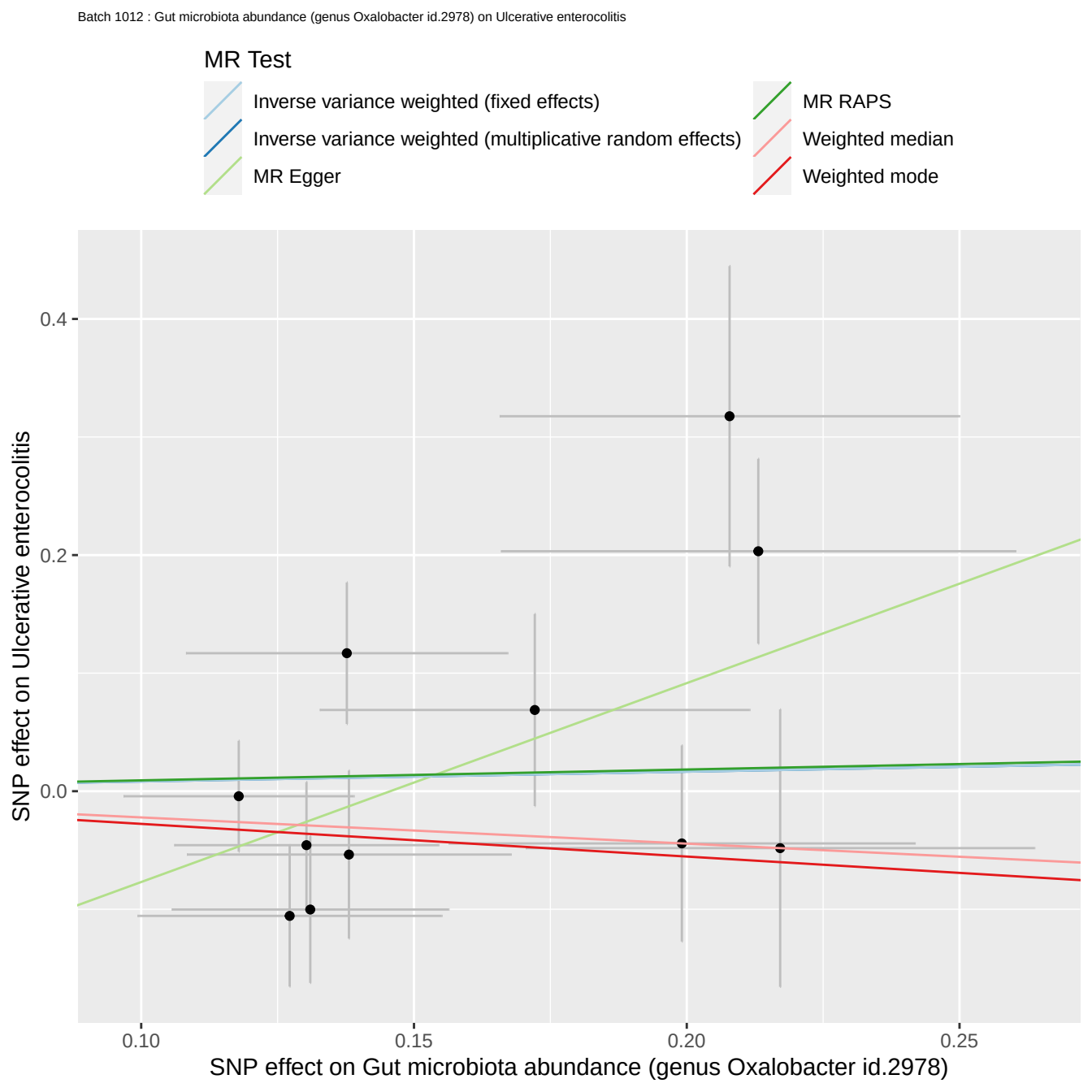


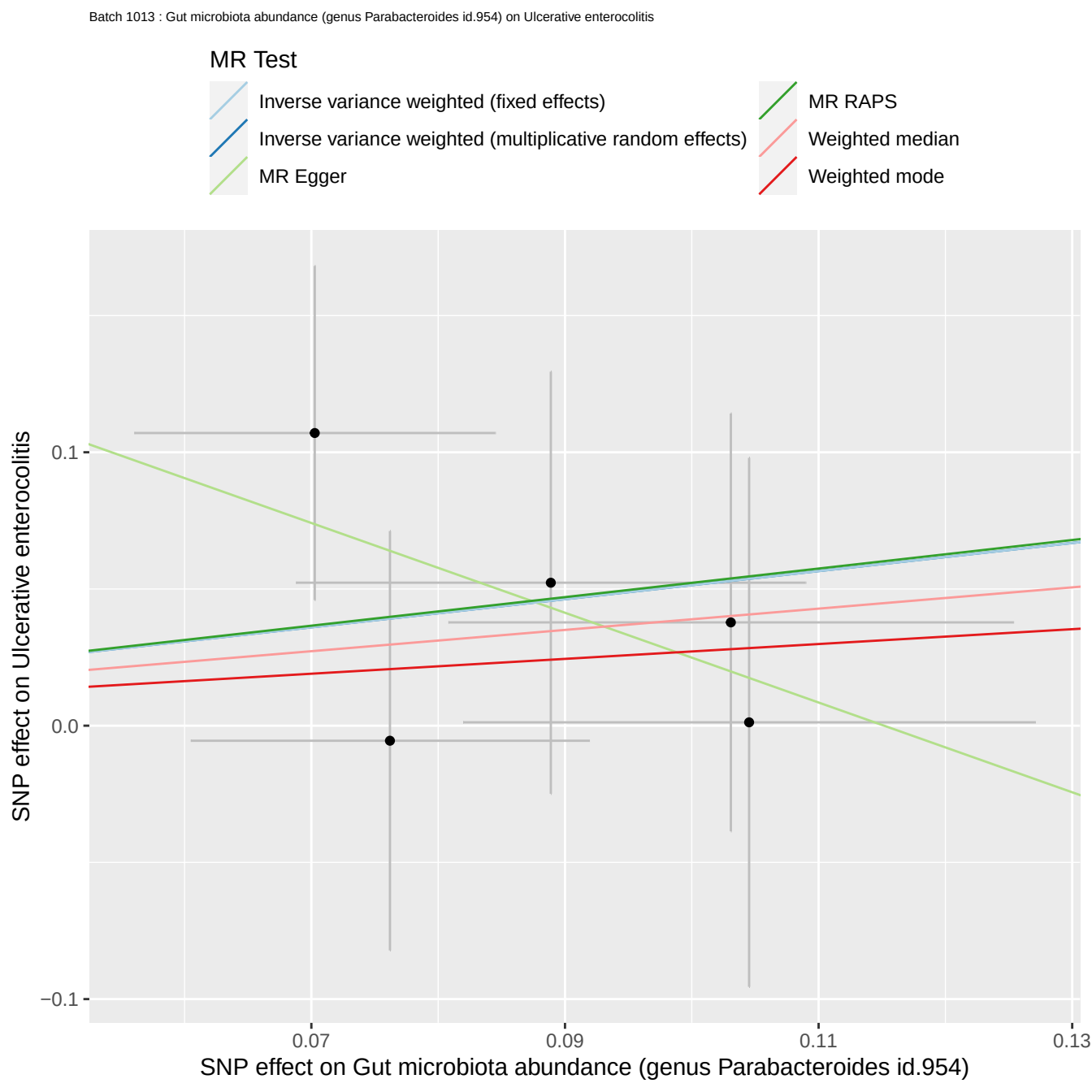

Batch 1008 : Gut microbiota abundance (genus Odoribacter id.952) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

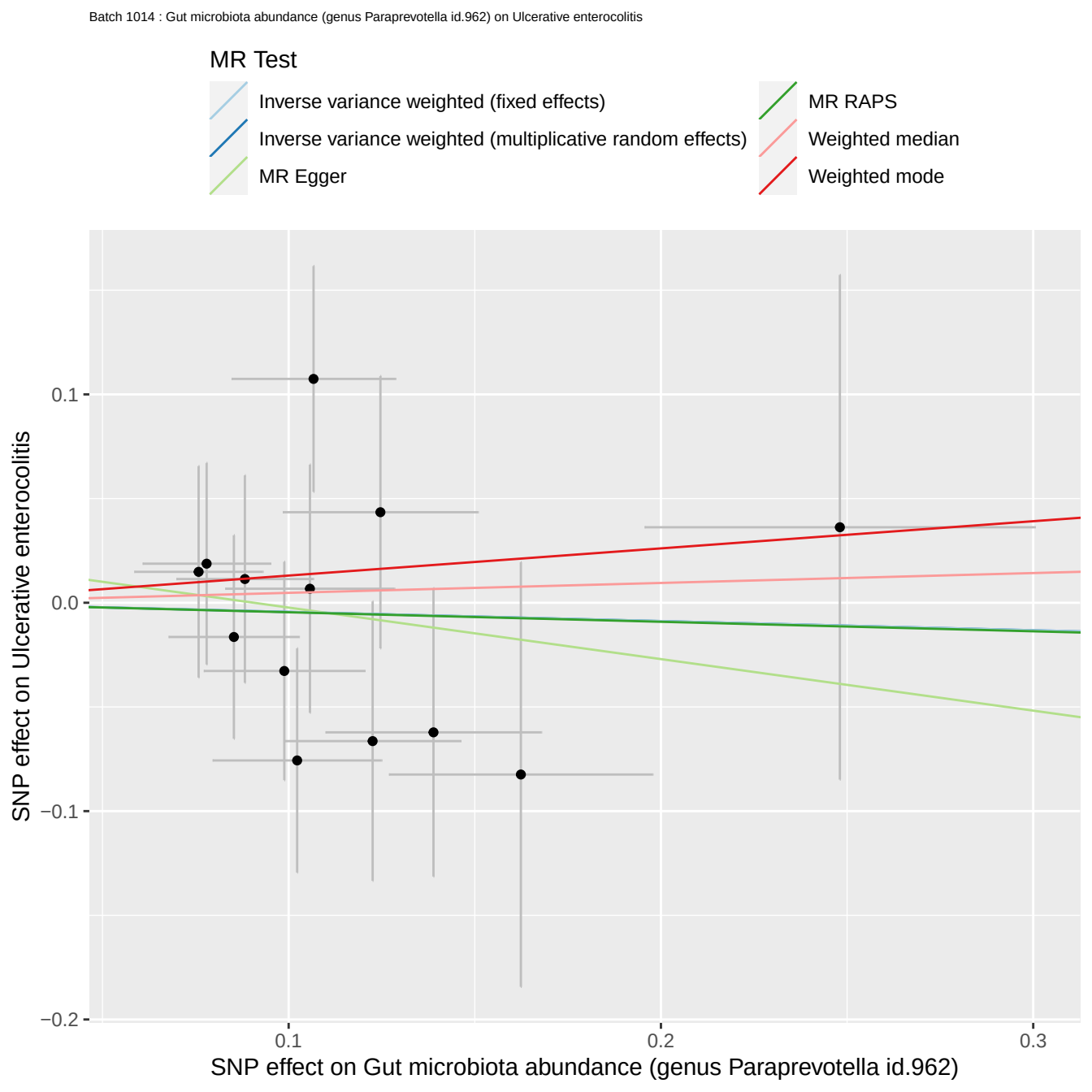

Batch 1009 : Gut microbiota abundance (genus Olsenella id.822) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

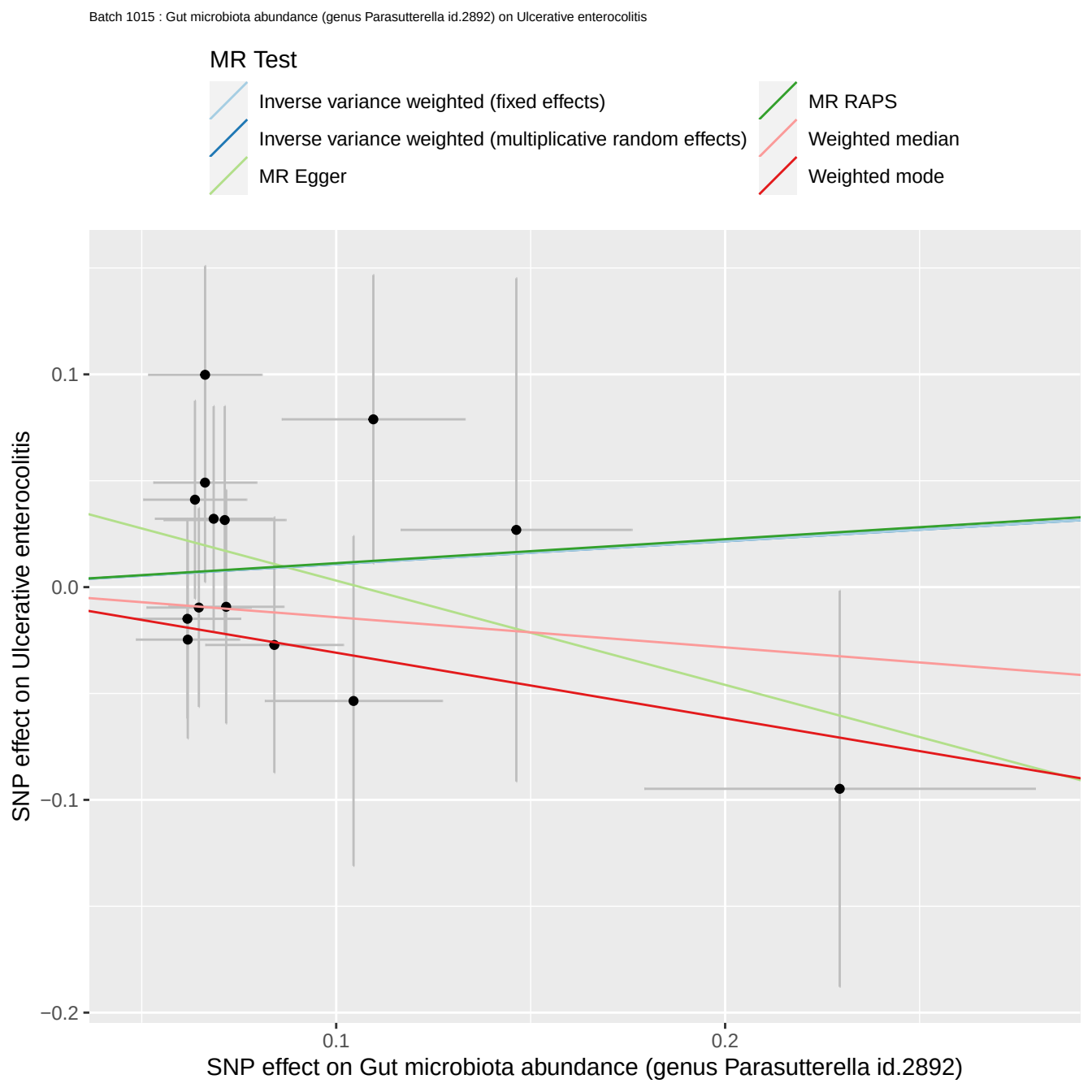

Batch 1010 : Gut microbiota abundance (genus Oscillibacter id.2063) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

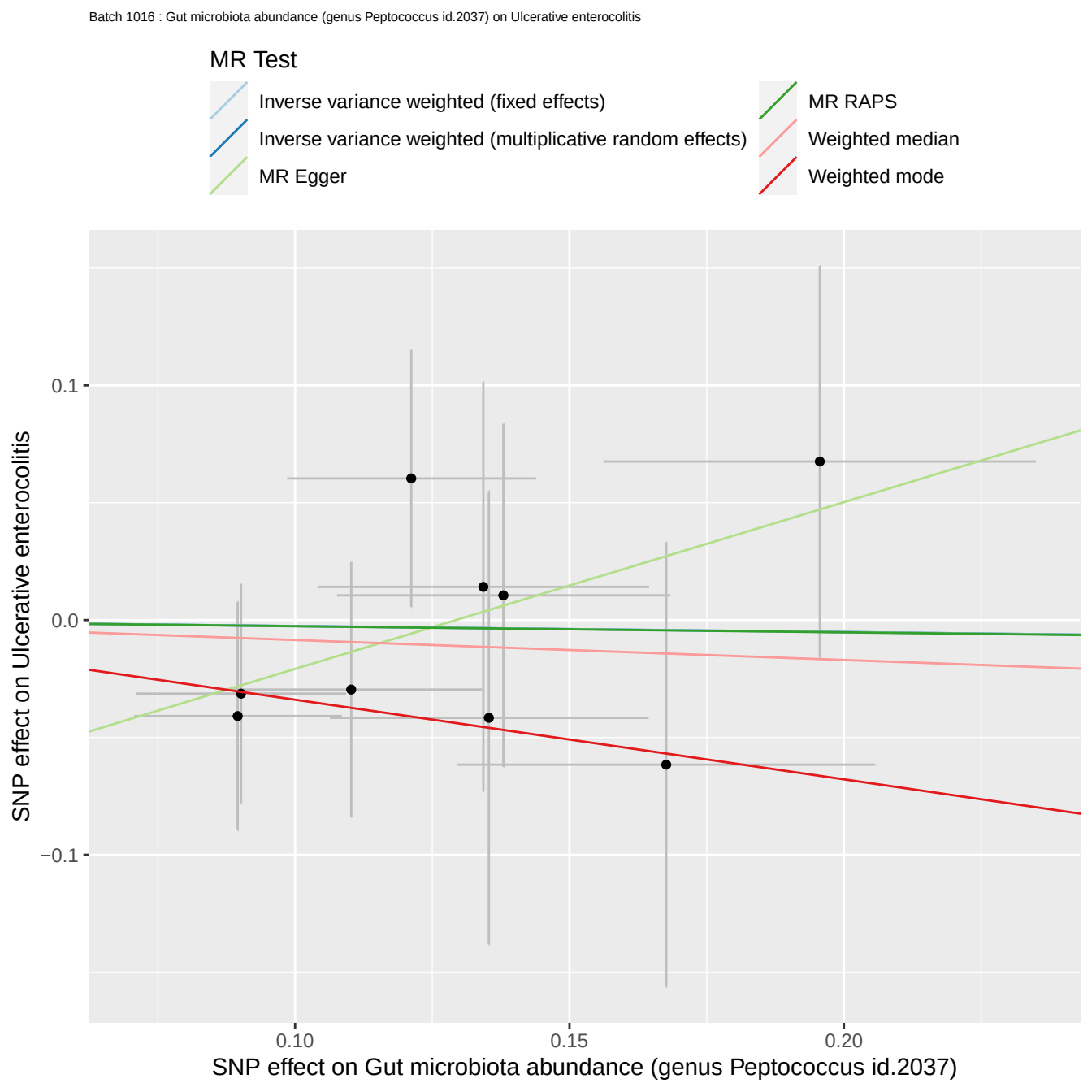

Batch 1011 : Gut microbiota abundance (genus Oscillospira id.2064) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

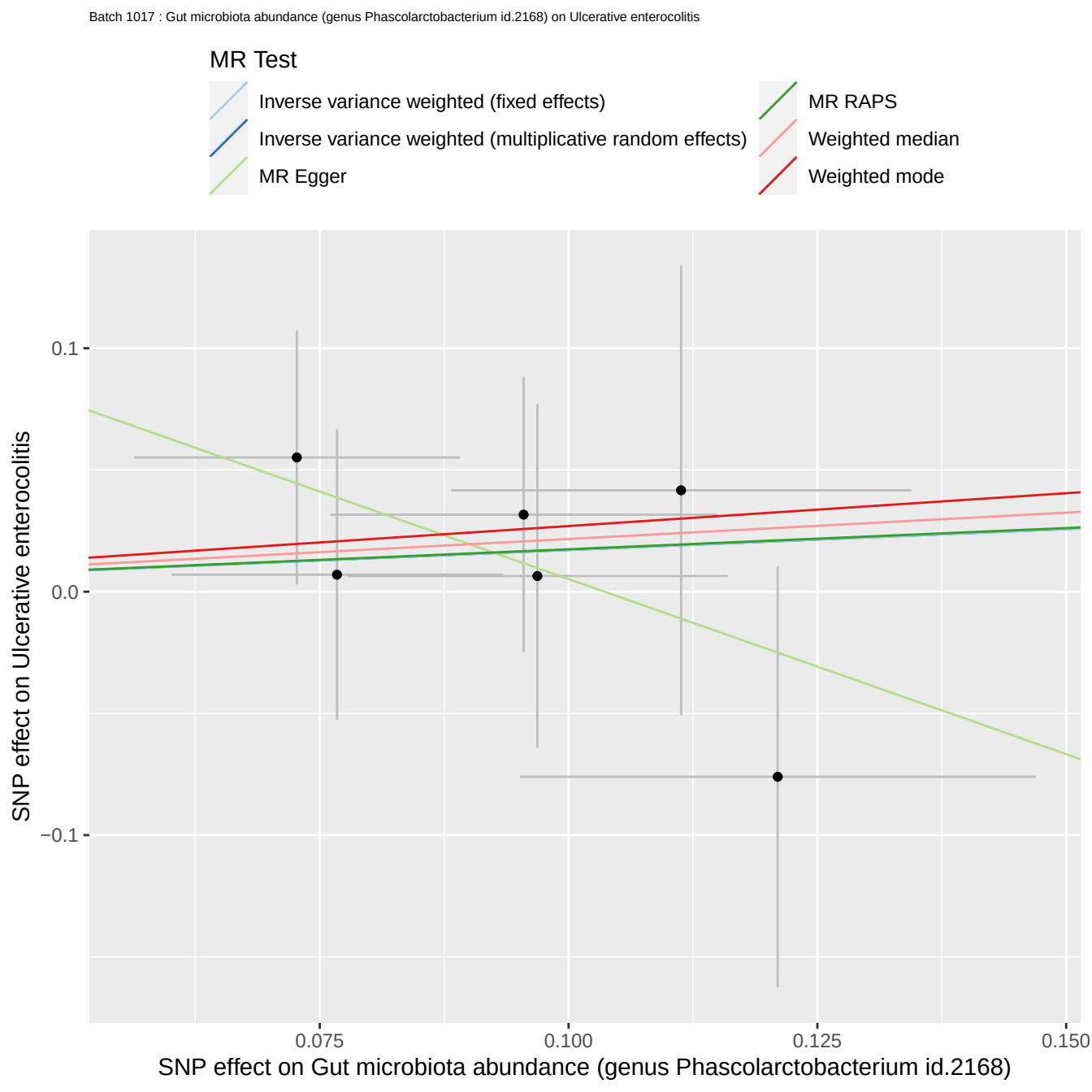

Batch 1012 : Gut microbiota abundance (genus Oxalobacter id.2978) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.4
0.2
0.0
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

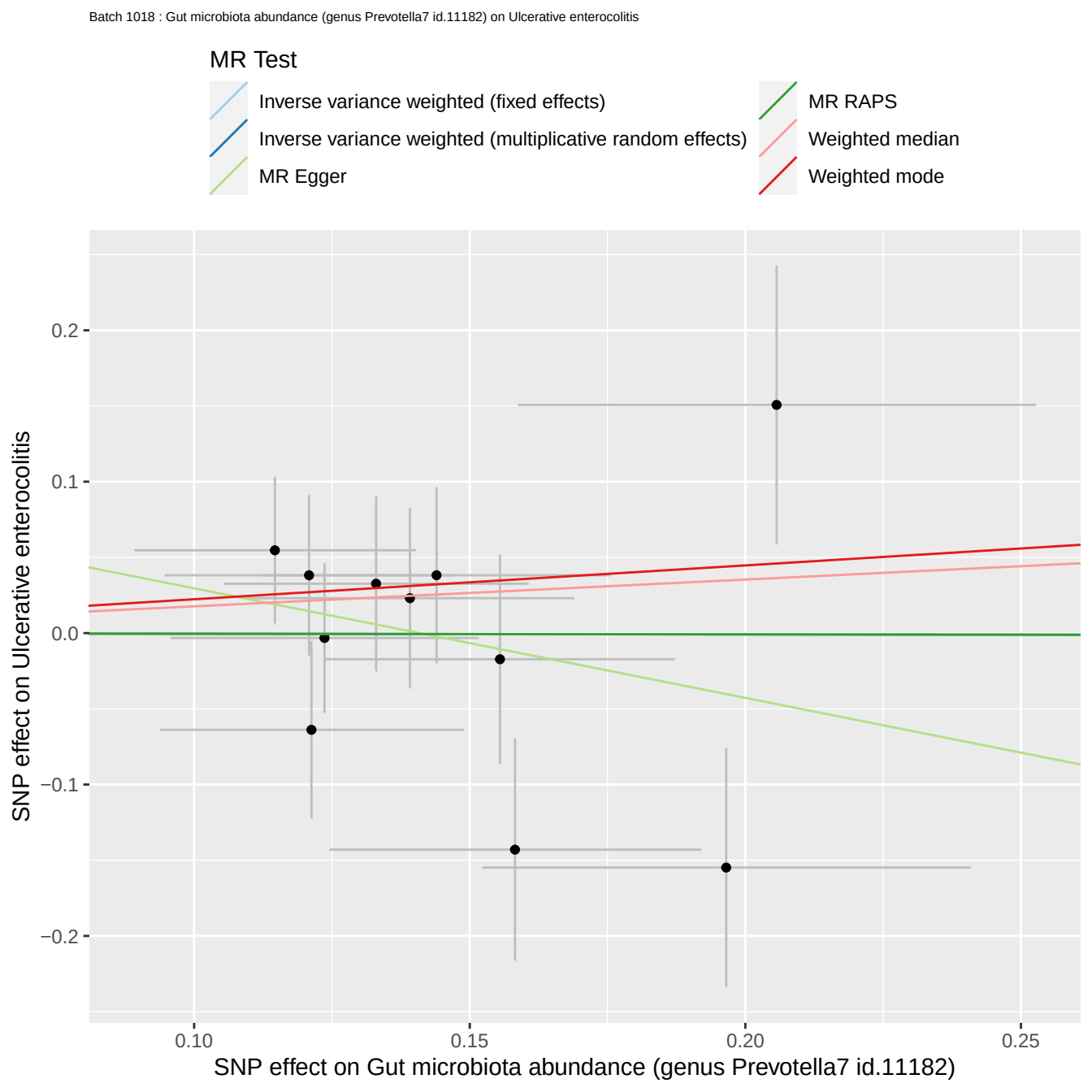

Batch 1013 : Gut microbiota abundance (genus Parabacteroides id.954) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

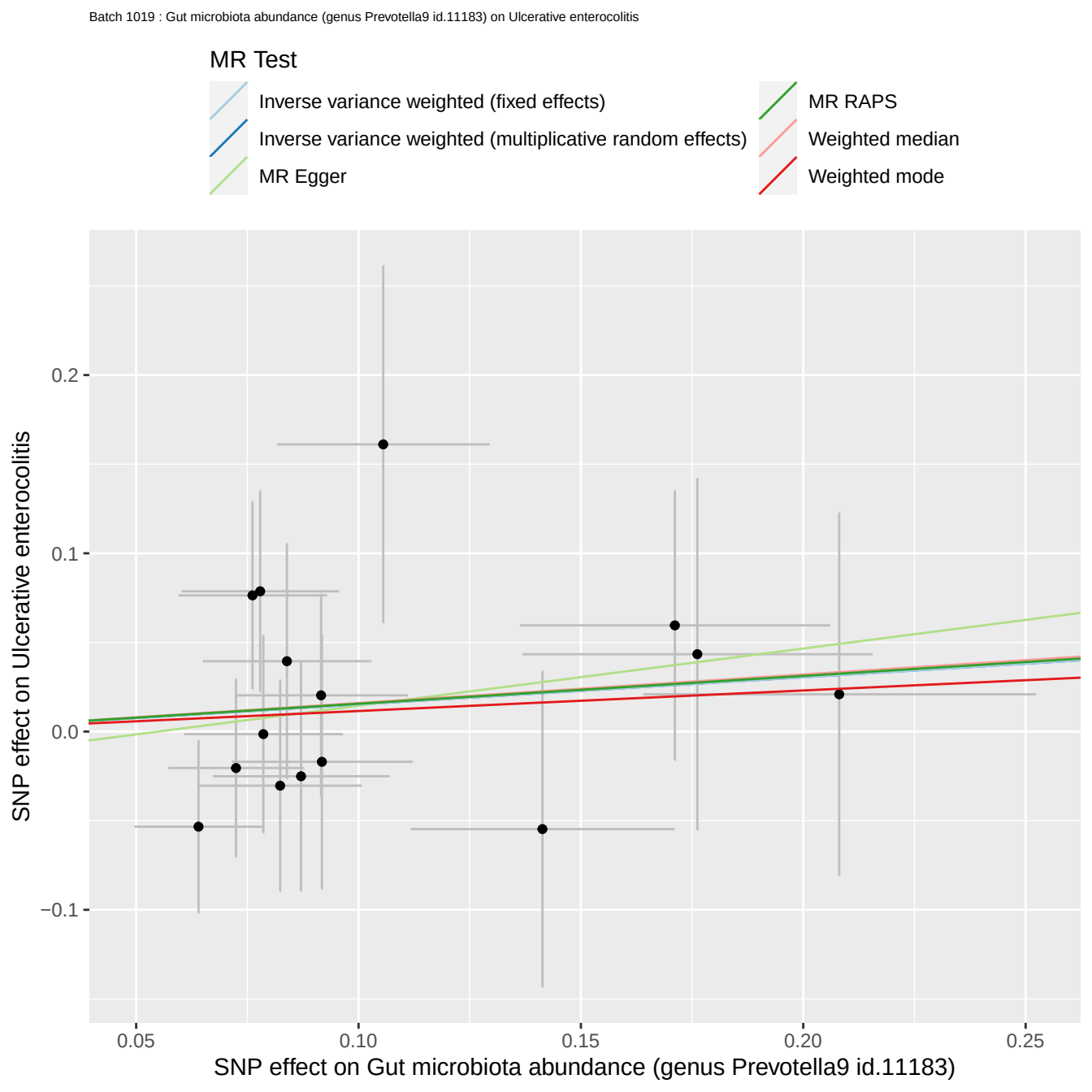

Batch 1014 : Gut microbiota abundance (genus Paraprevotella id.962) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

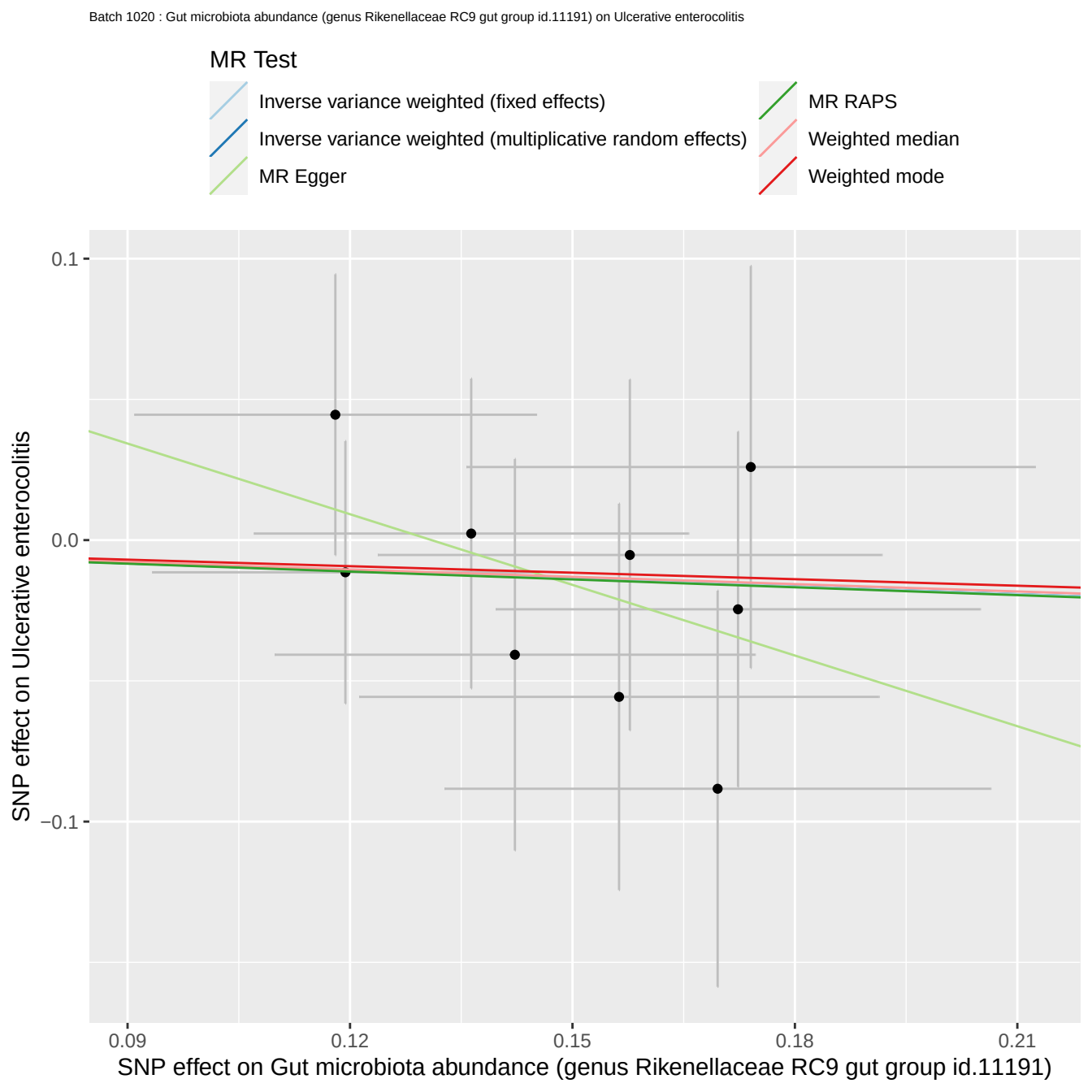

Batch 1015 : Gut microbiota abundance (genus Parasutterella id.2892) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

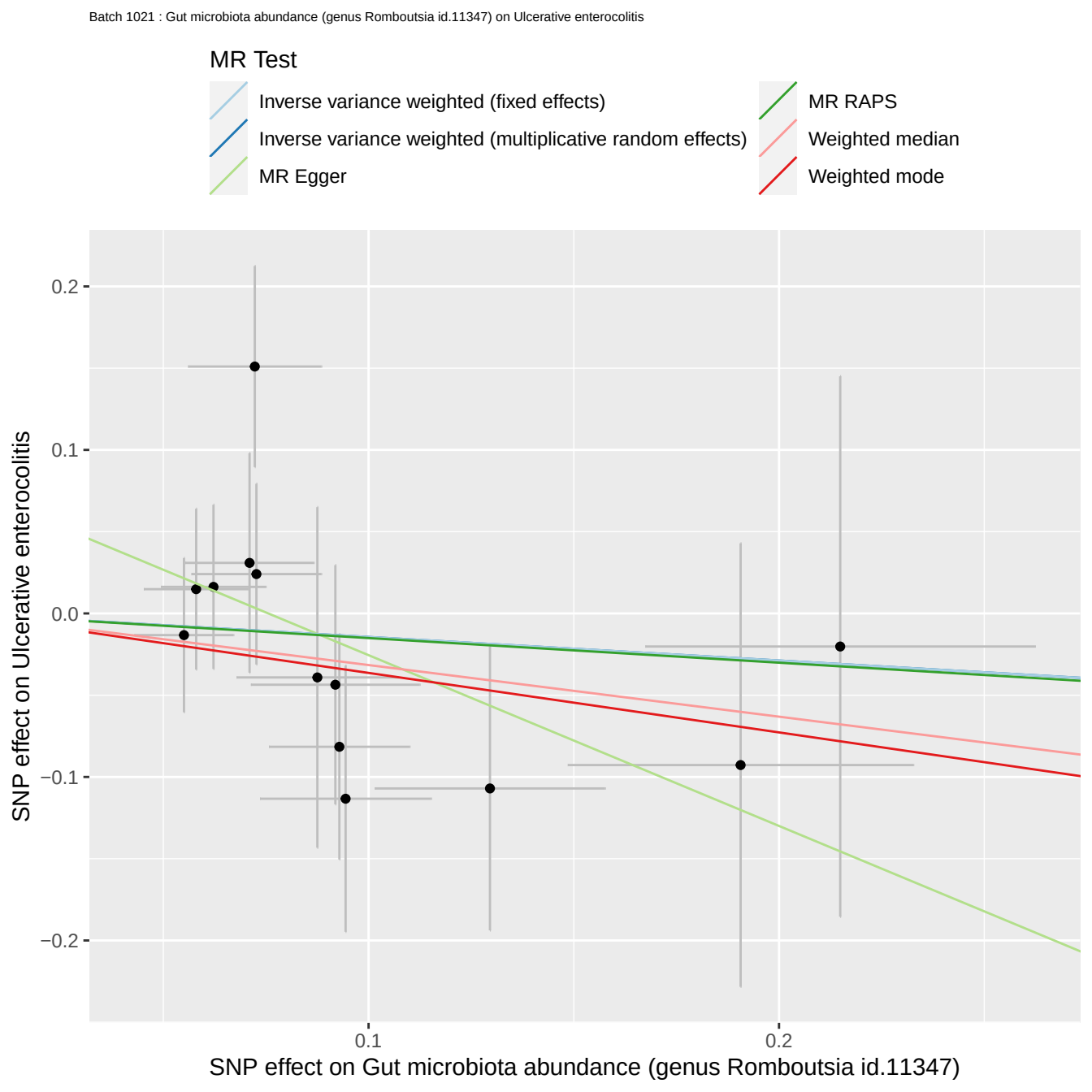

Batch 1016 : Gut microbiota abundance (genus Peptococcus id.2037) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

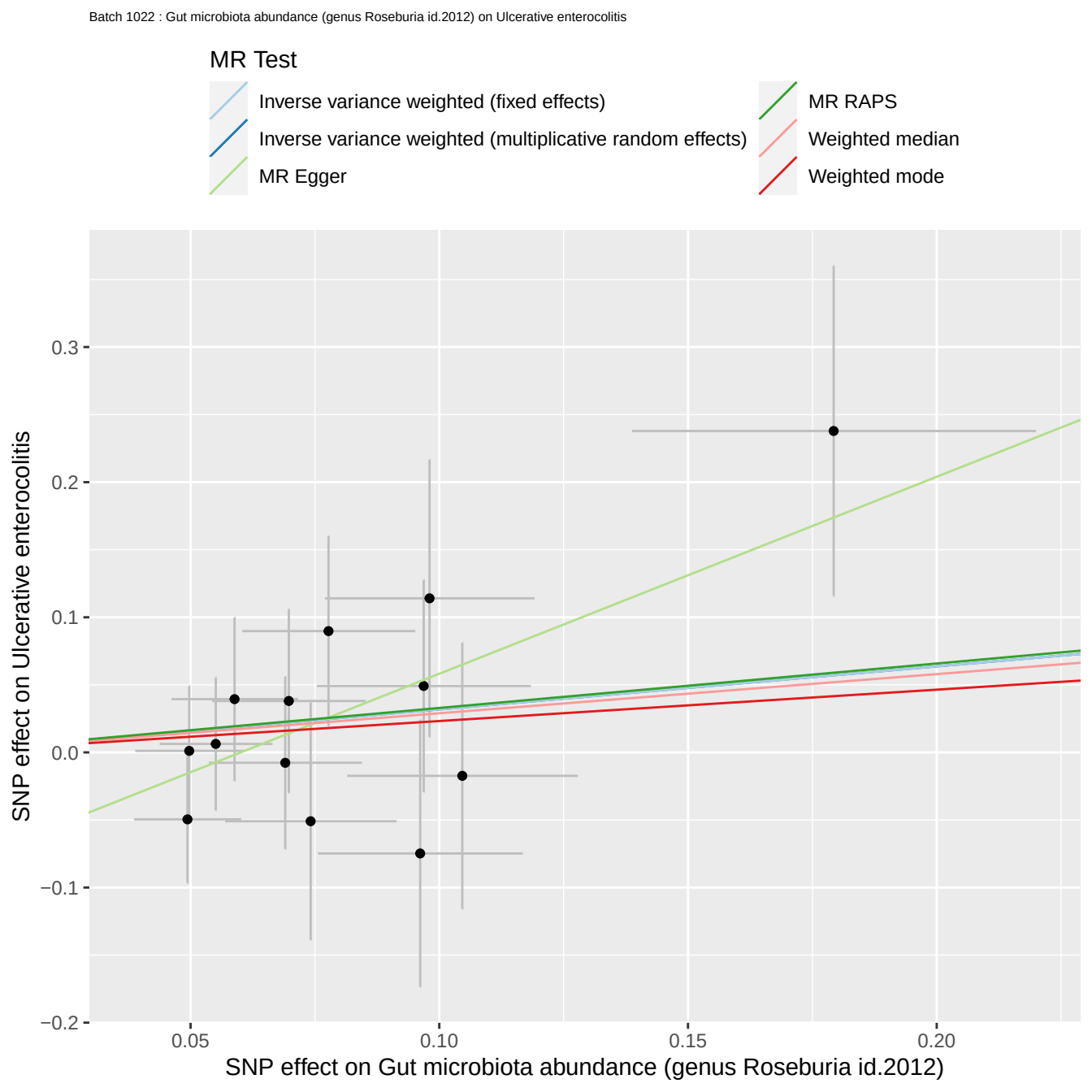

Batch 1017 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

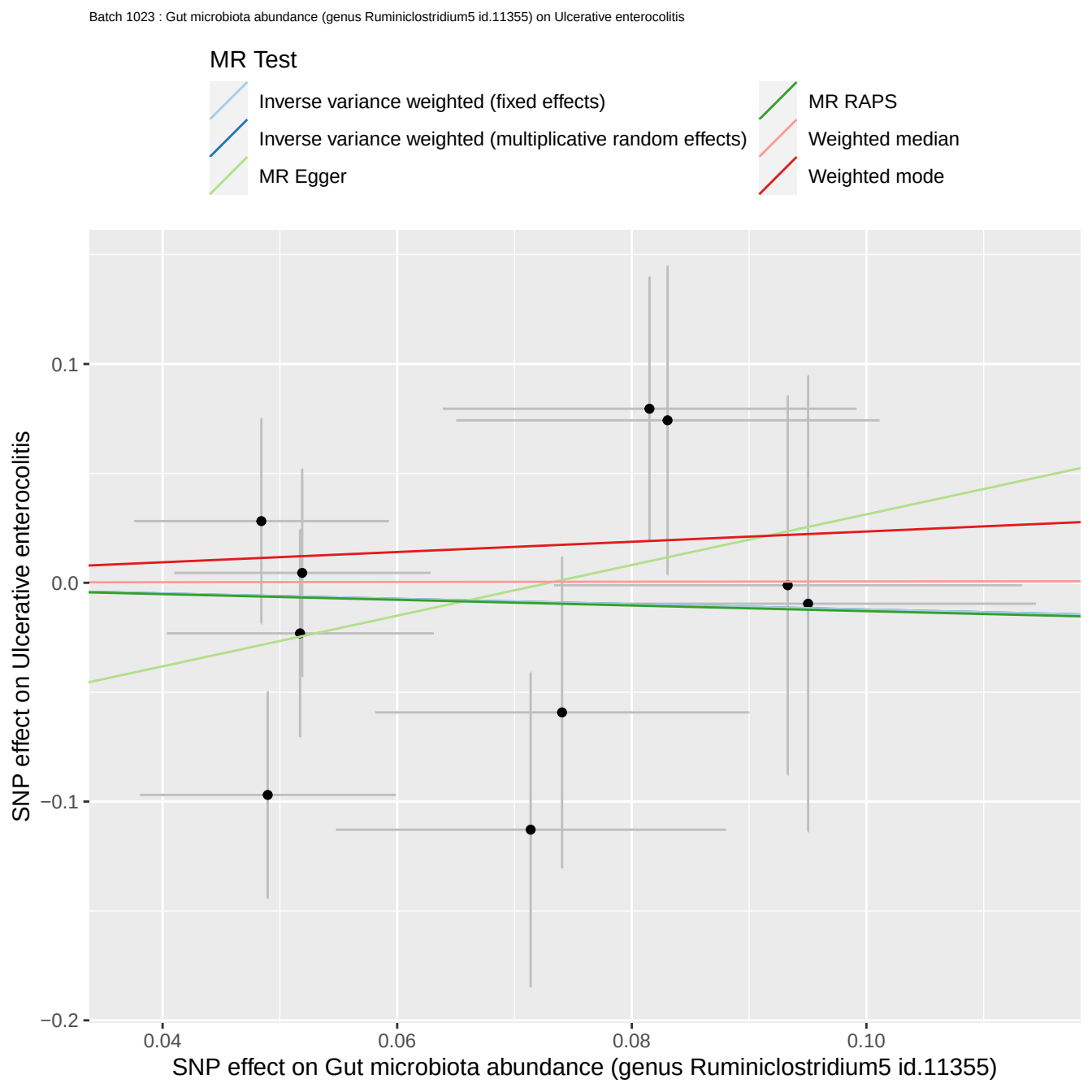

Batch 1018 : Gut microbiota abundance (genus Prevotella7 id.11182) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

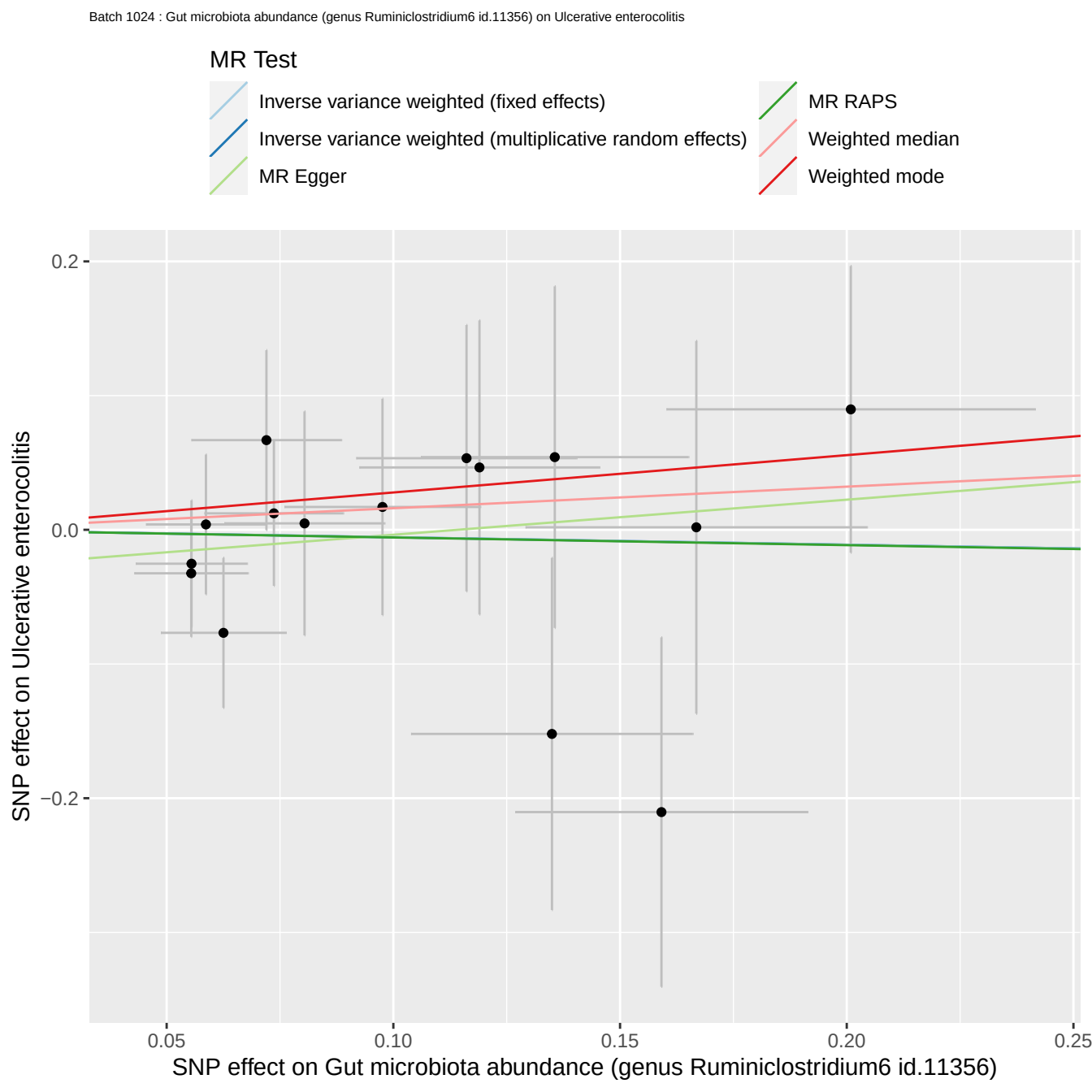

Batch 1019 : Gut microbiota abundance (genus Prevotella9 id.11183) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

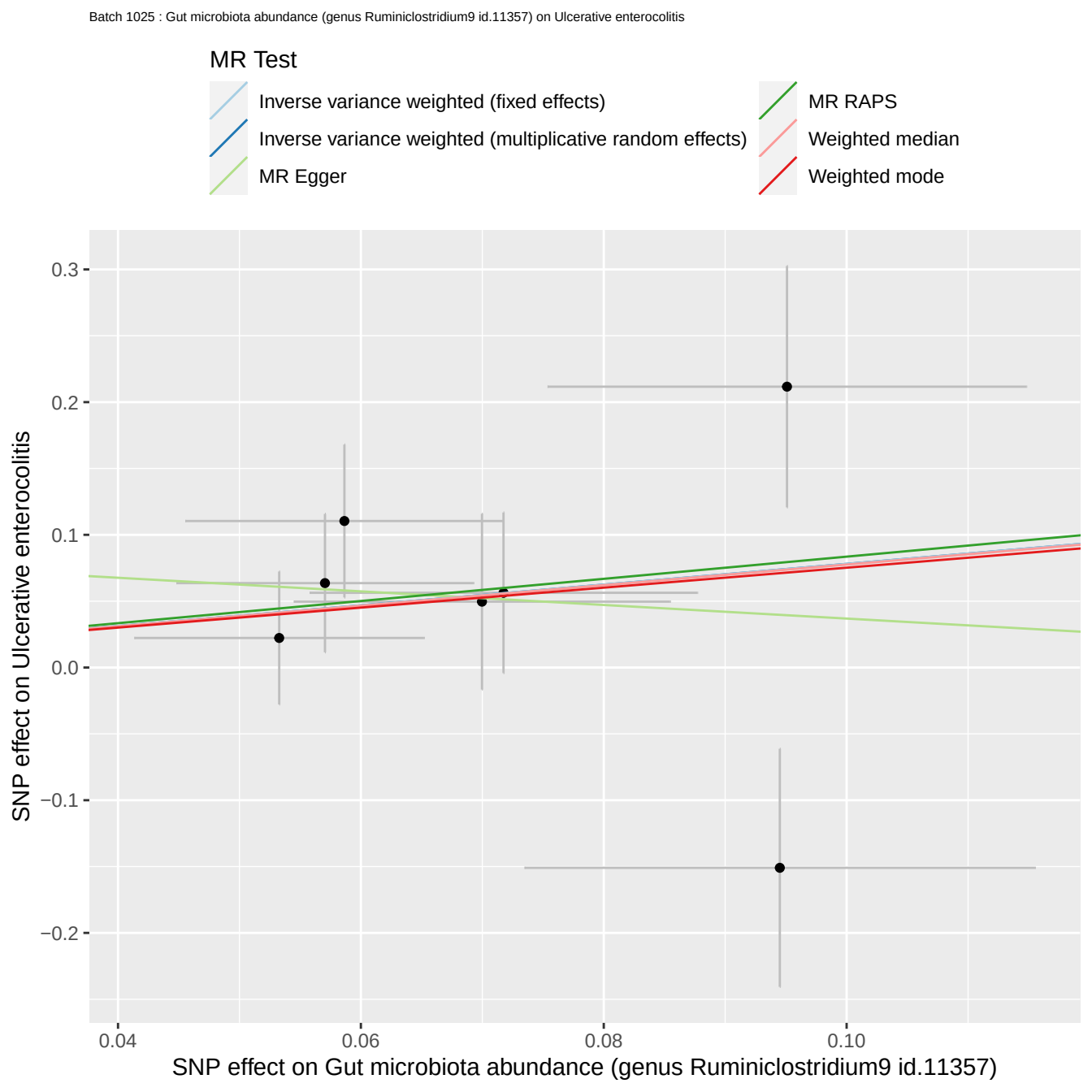

Batch 1020 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

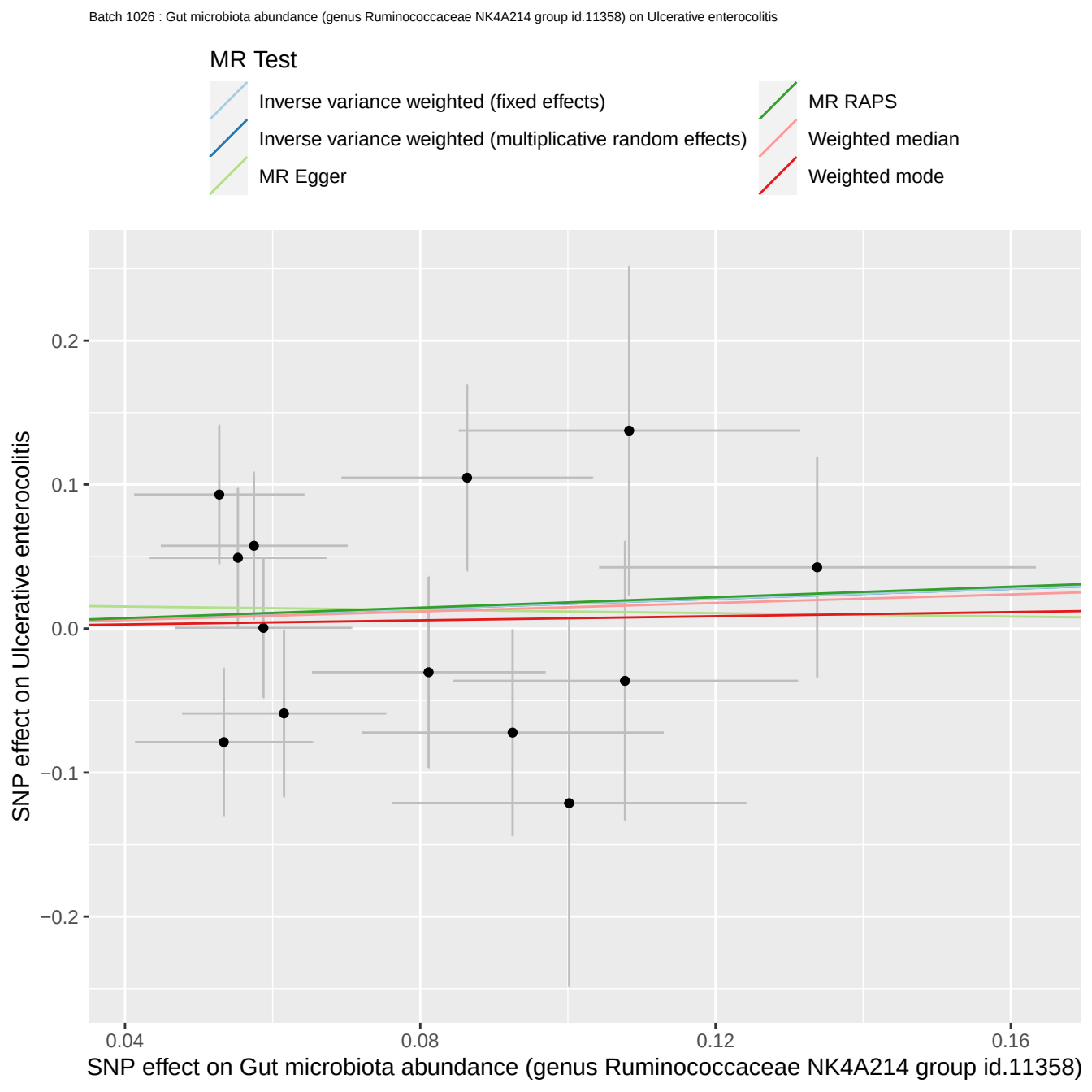

Batch 1021 : Gut microbiota abundance (genus Romboutsia id.11347) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative enterocolitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

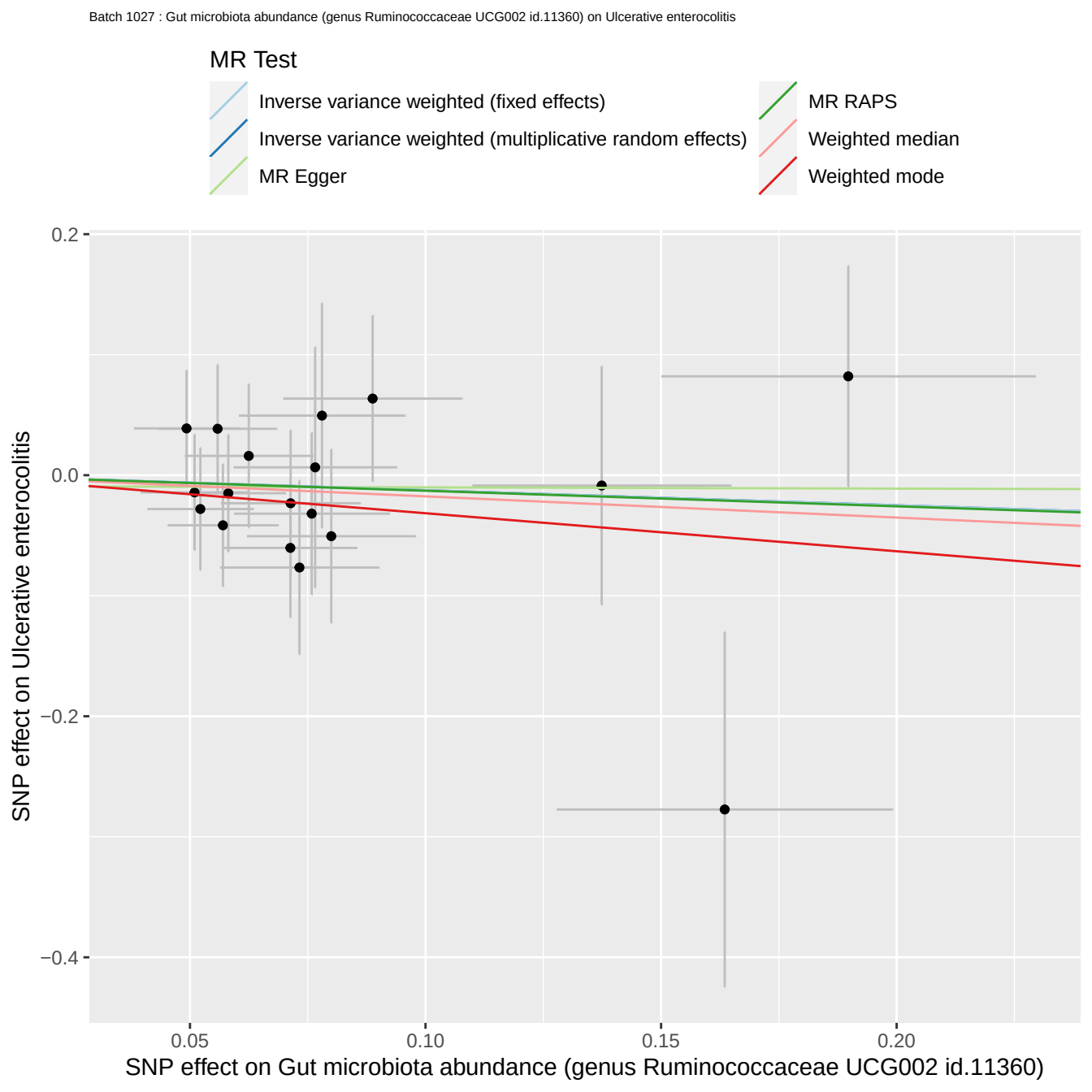

Batch 1022 : Gut microbiota abundance (genus Roseburia id.2012) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

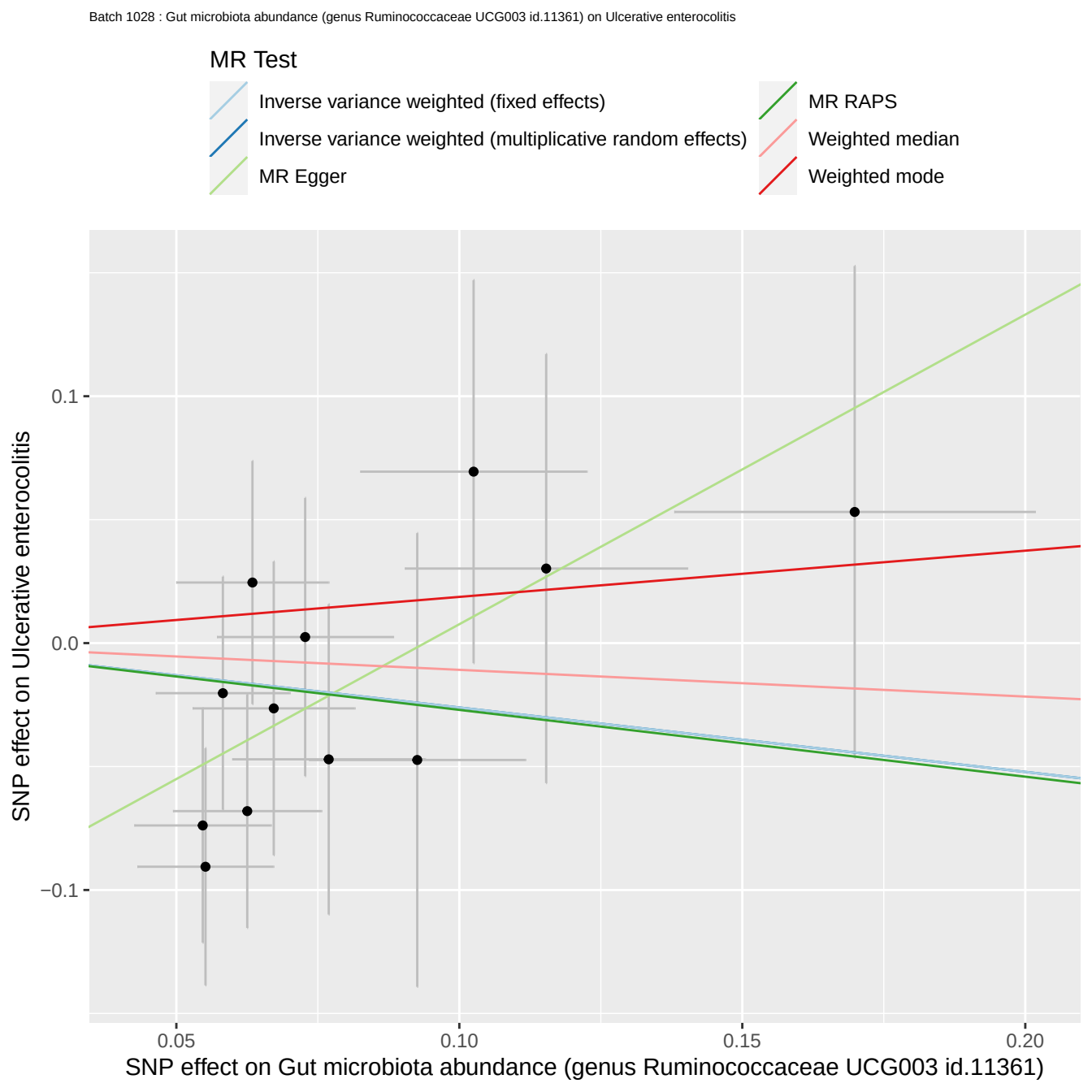

Batch 1023 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

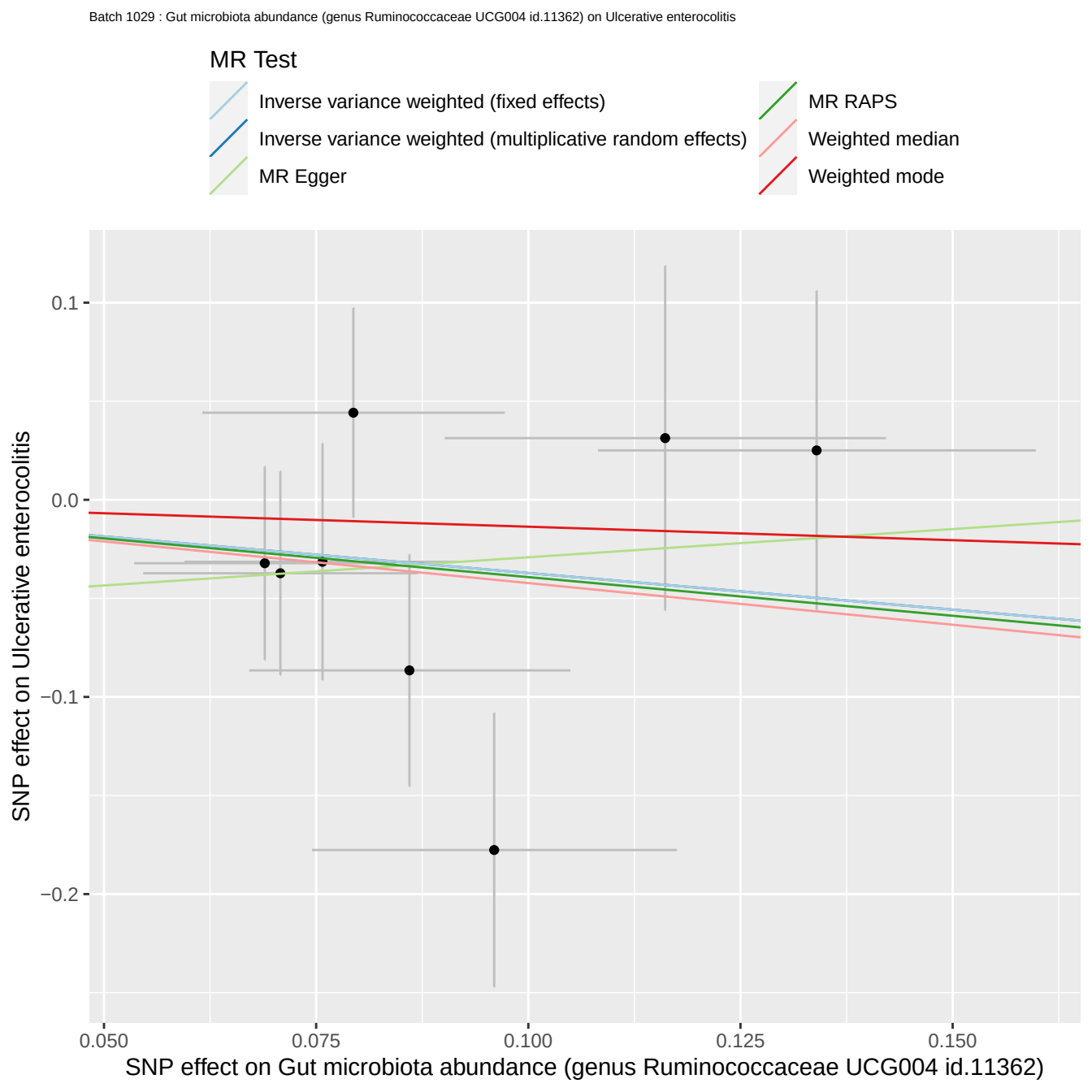

Batch 1024 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

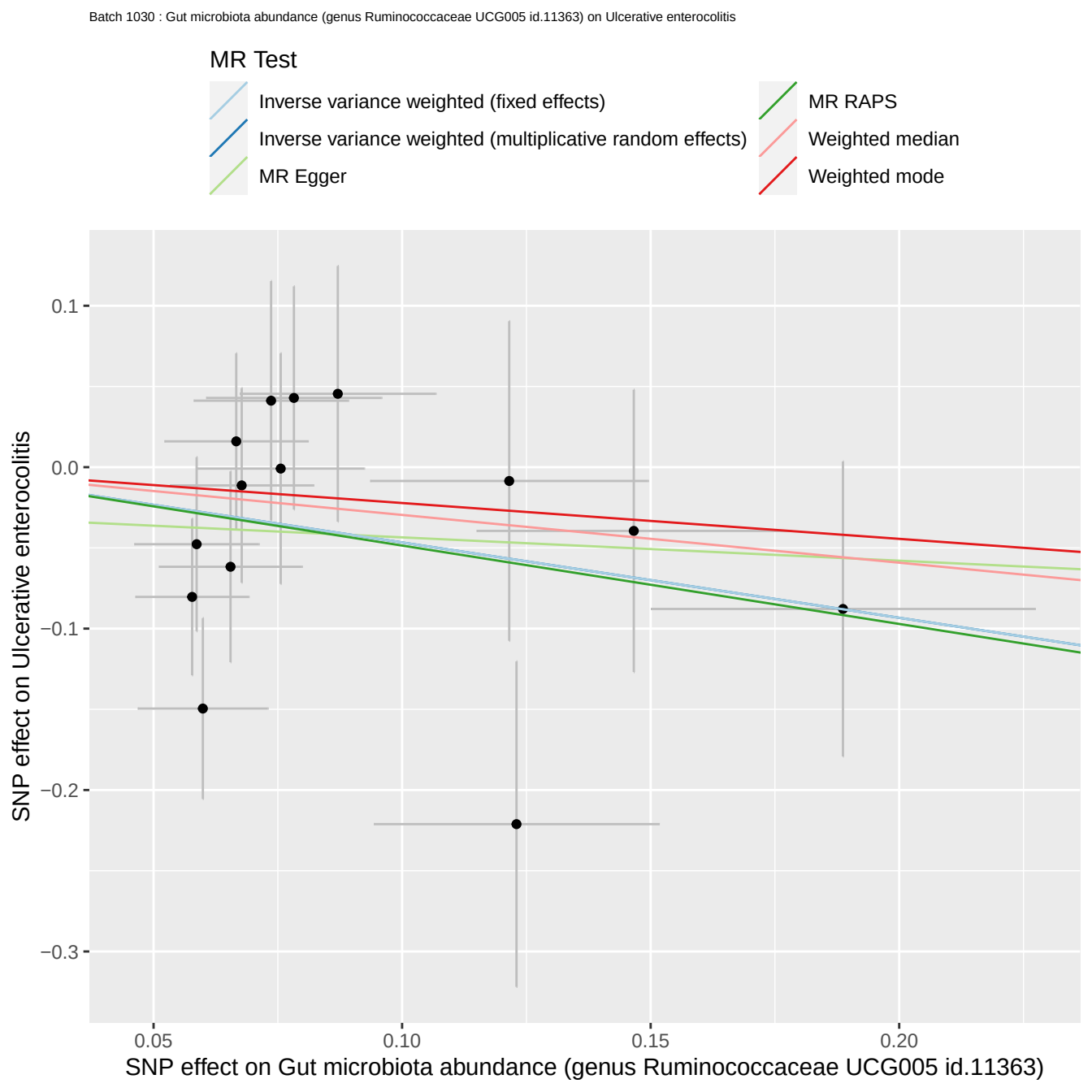

Batch 1025 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

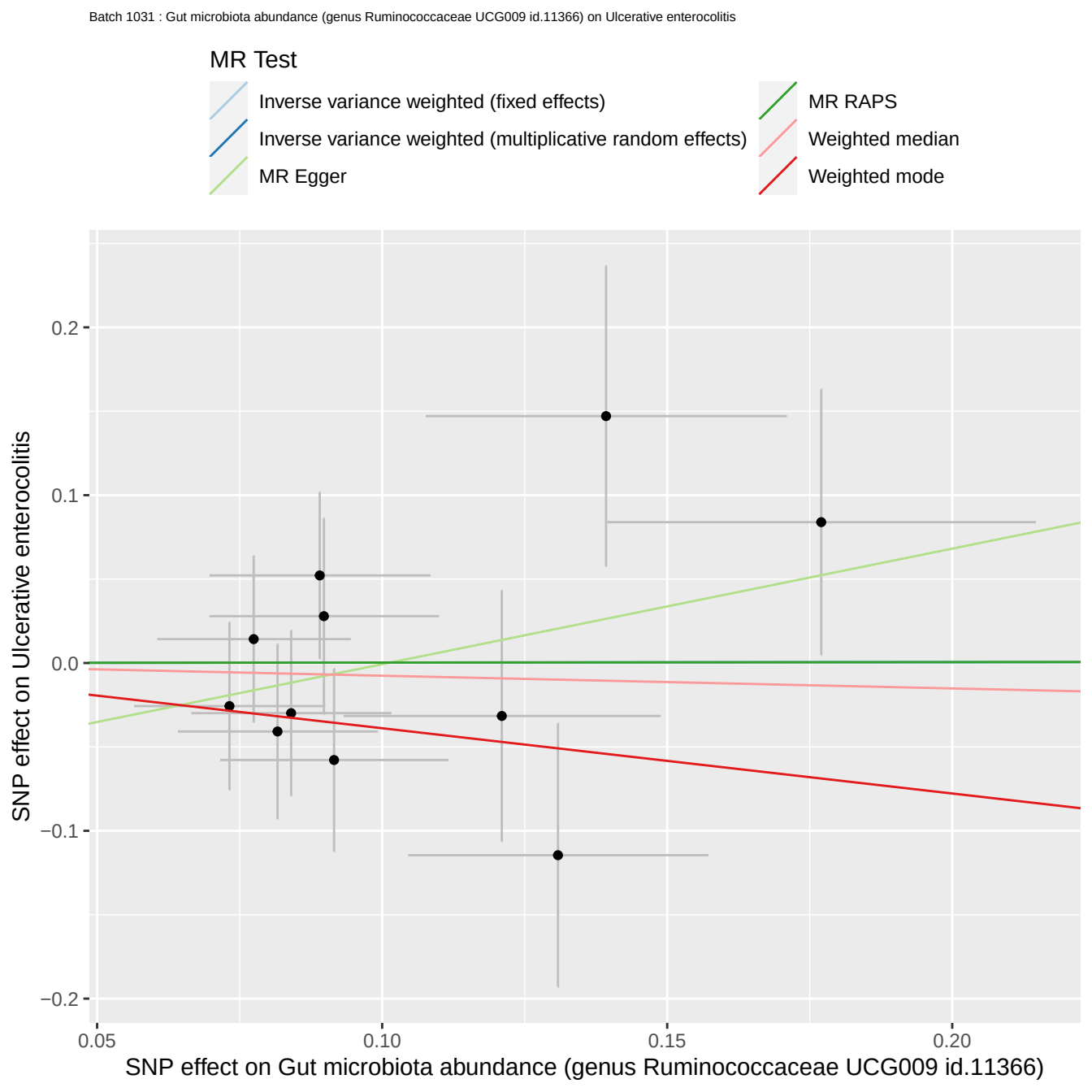

Batch 1026 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)

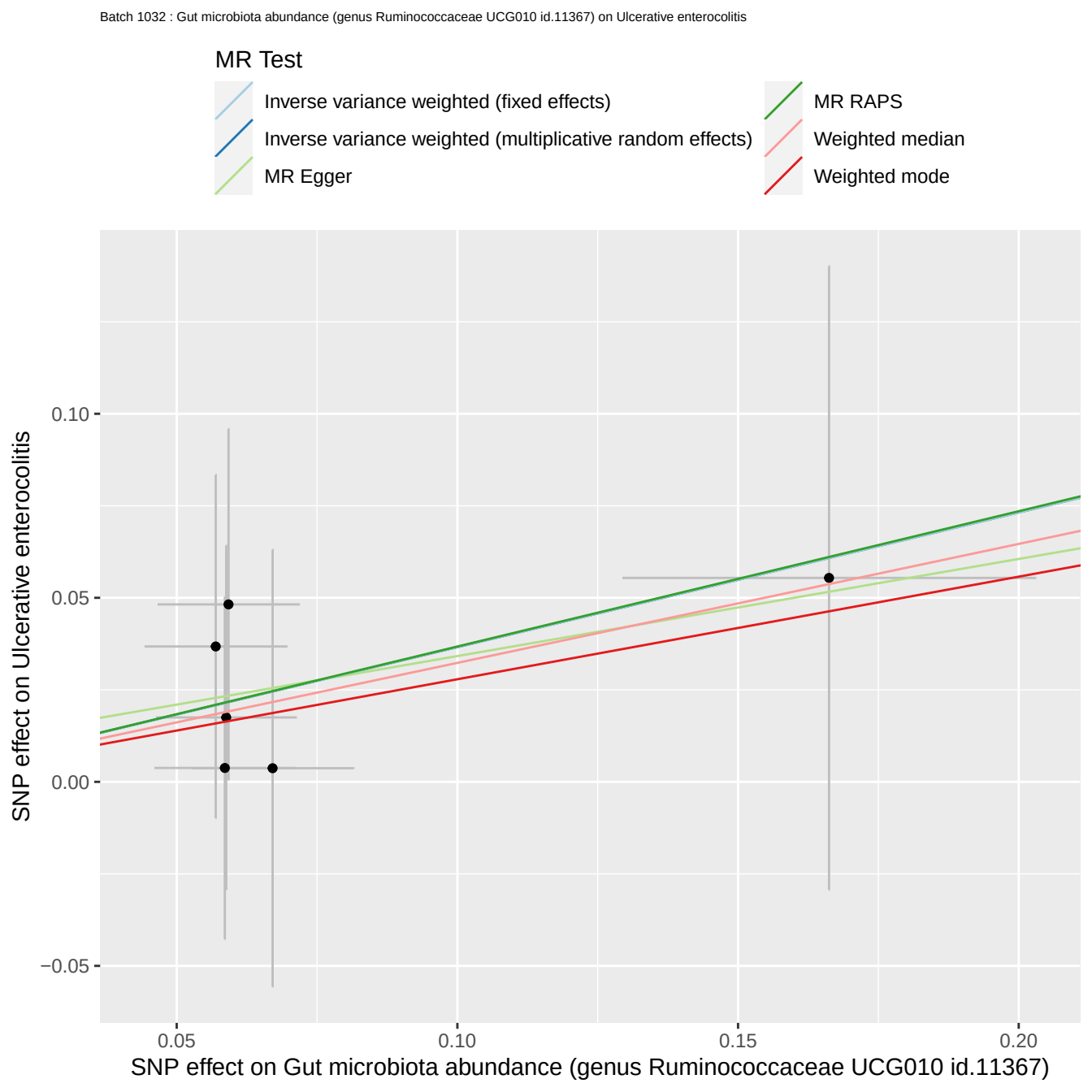

Batch 1027 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Ulcerative enterocolitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

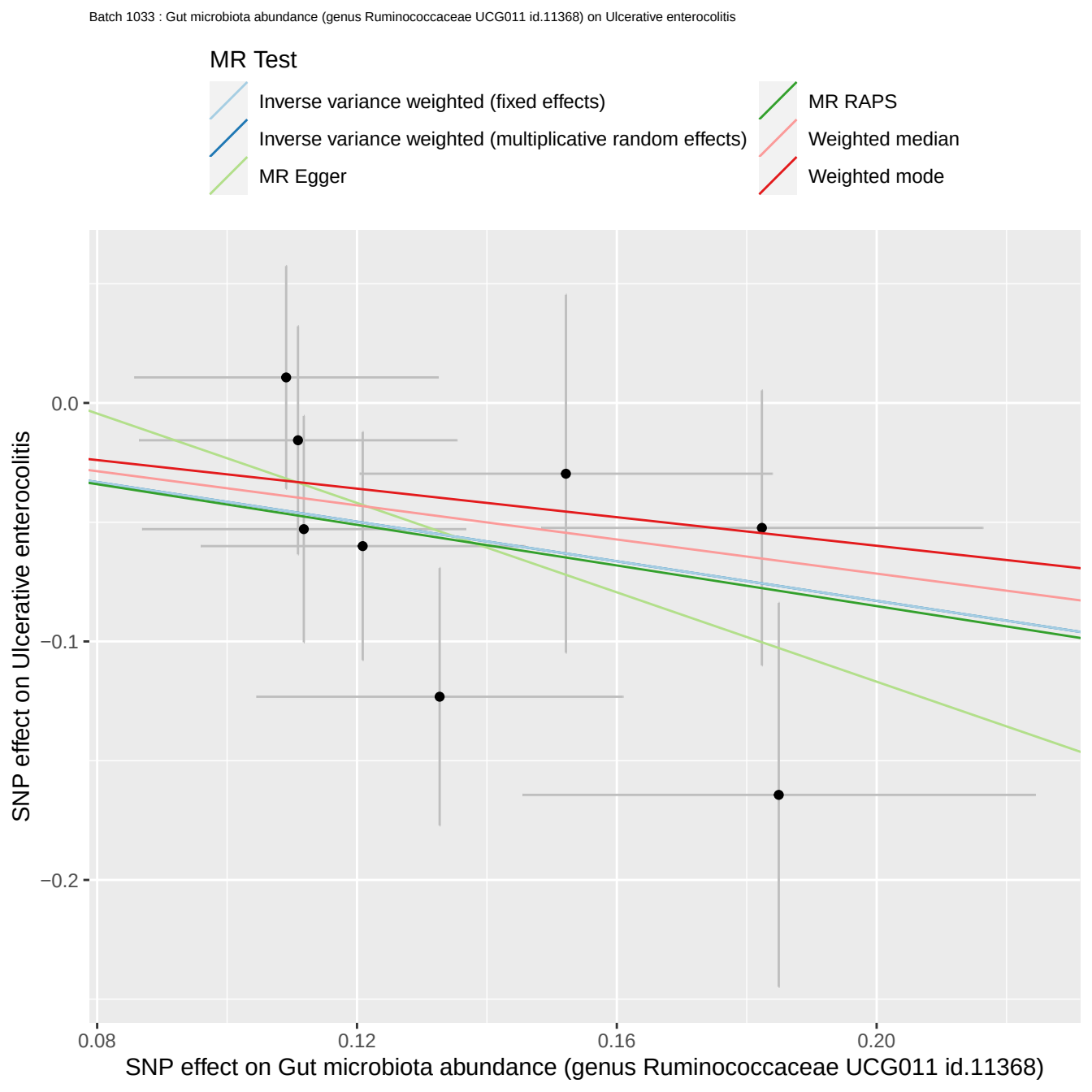

Batch 1028 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

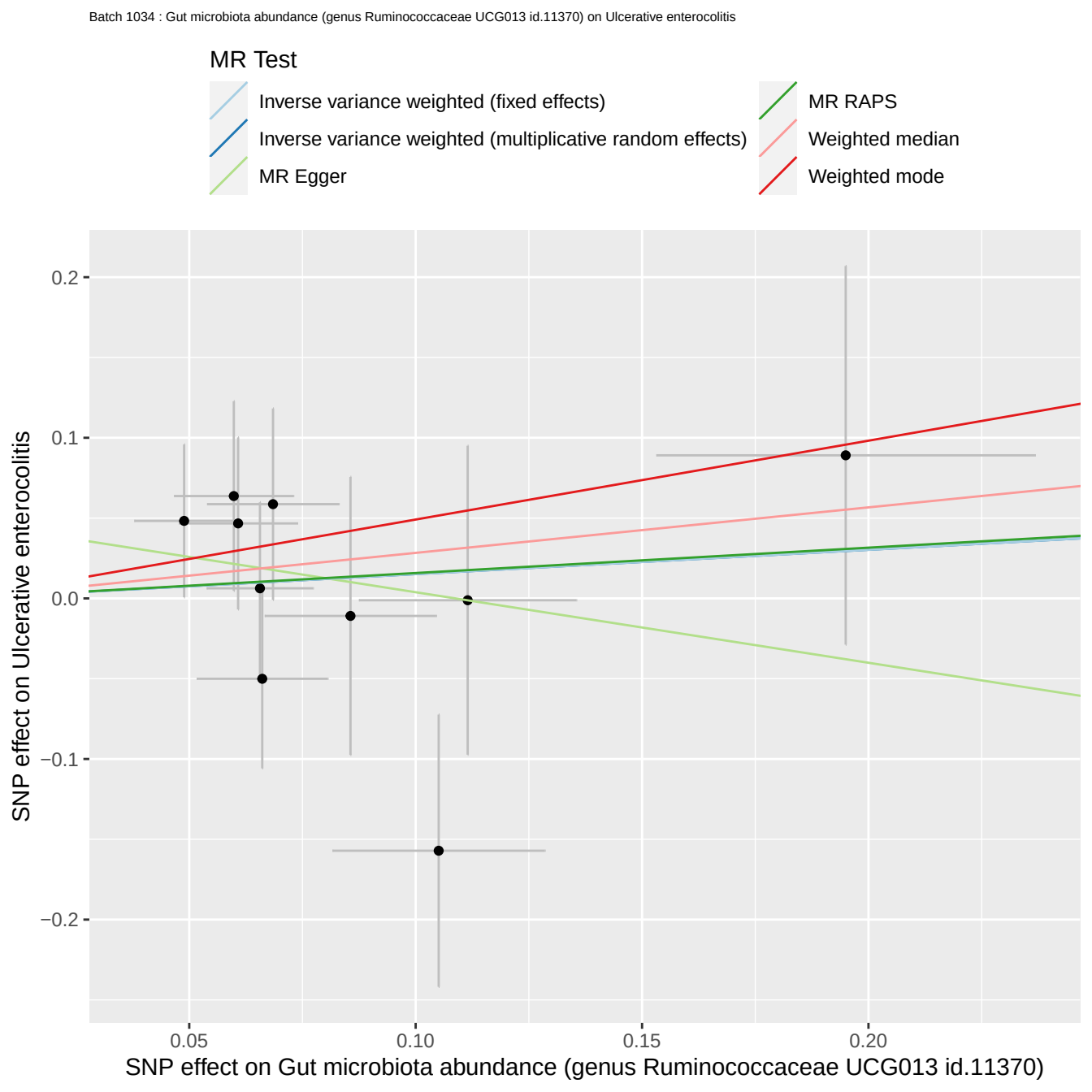

Batch 1029 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

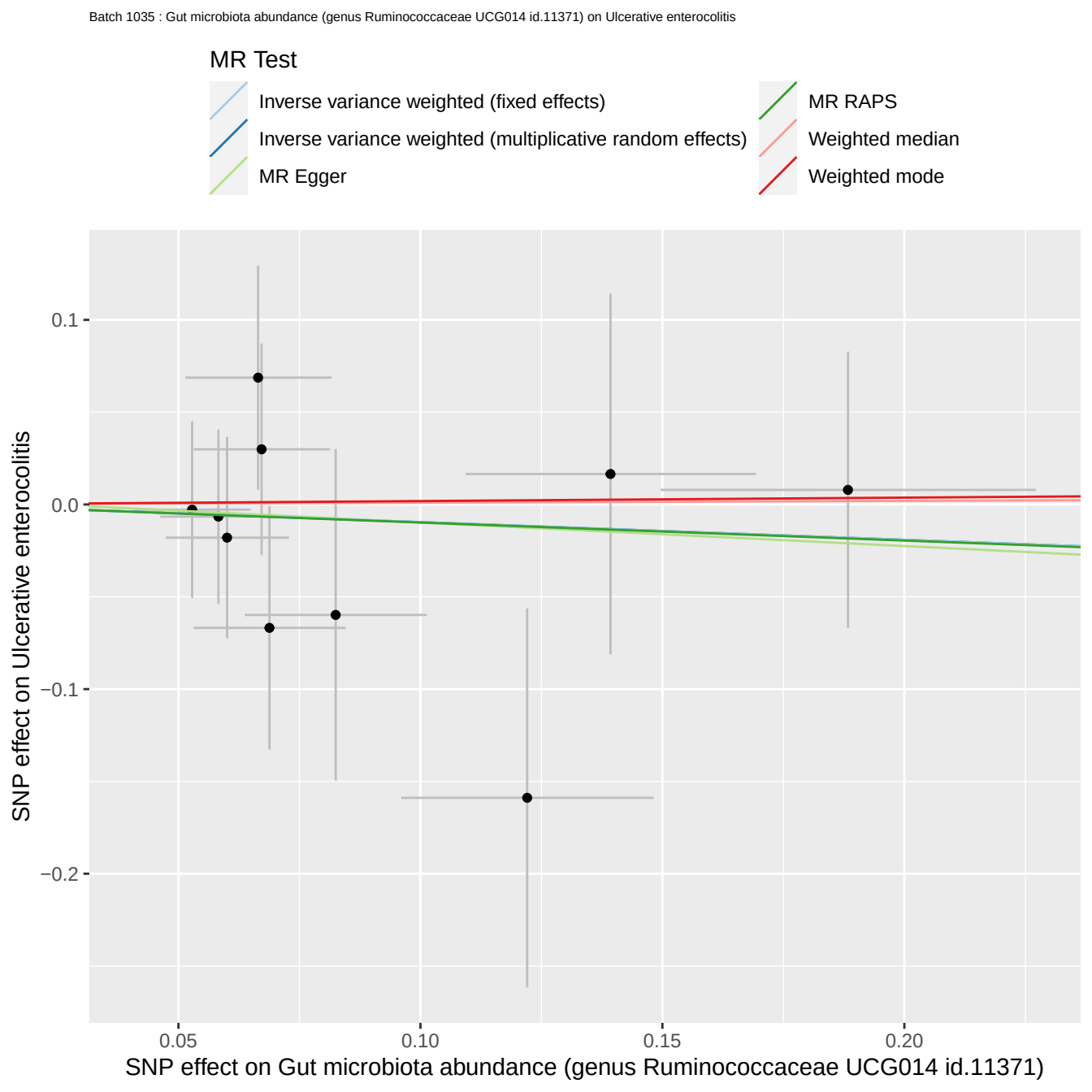

Batch 1030 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

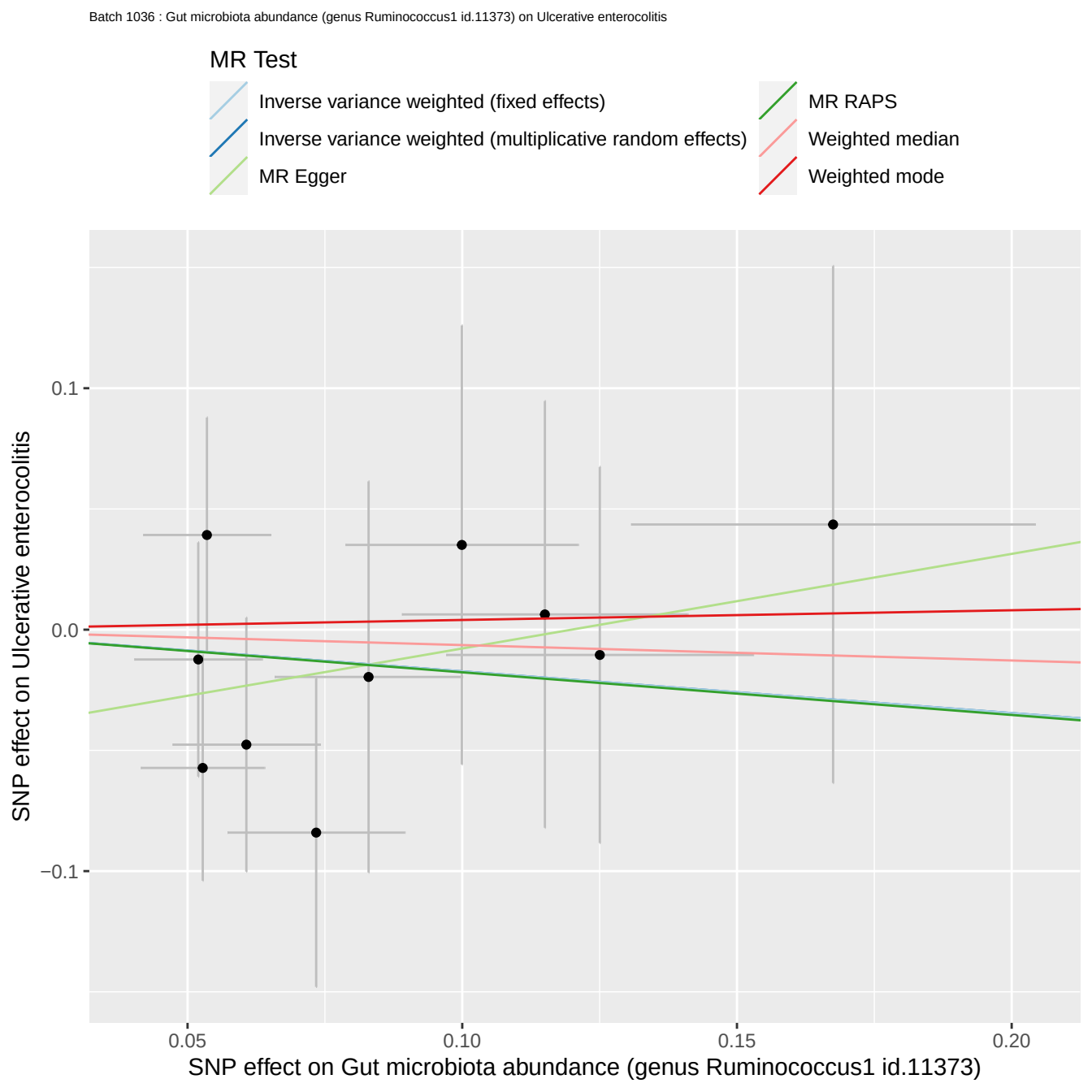

Batch 1031 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

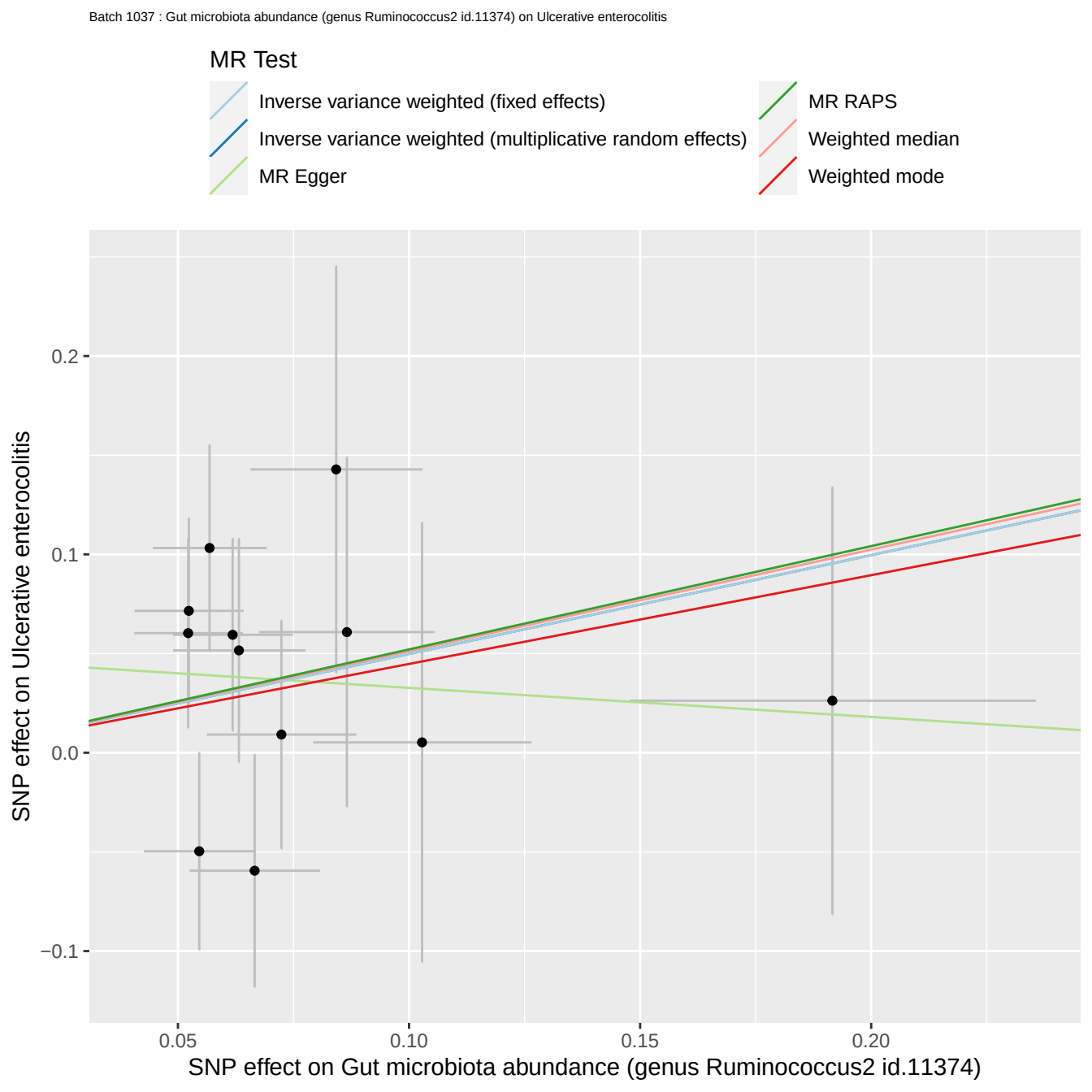

Batch 1032 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

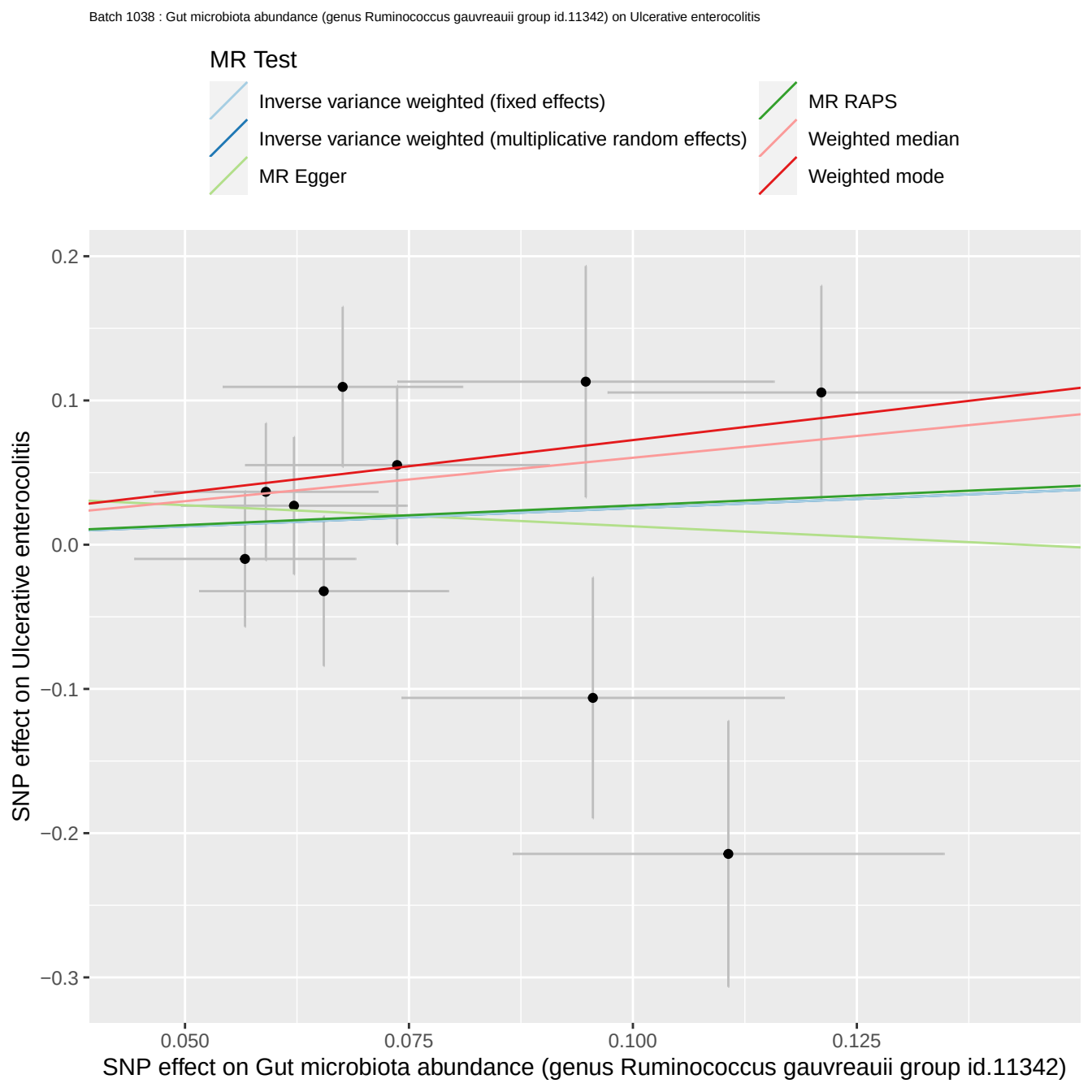

Batch 1033 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

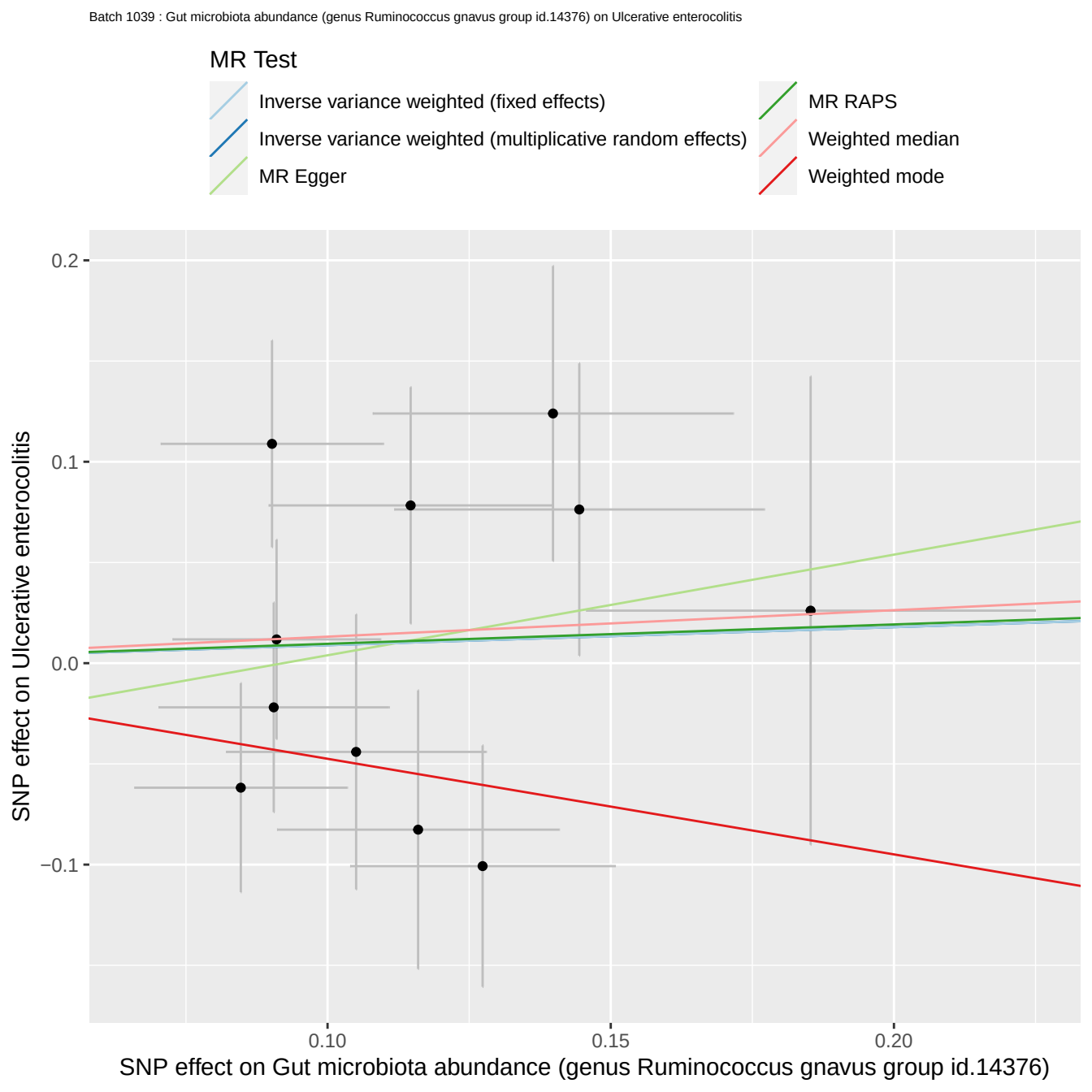

Batch 1034 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)

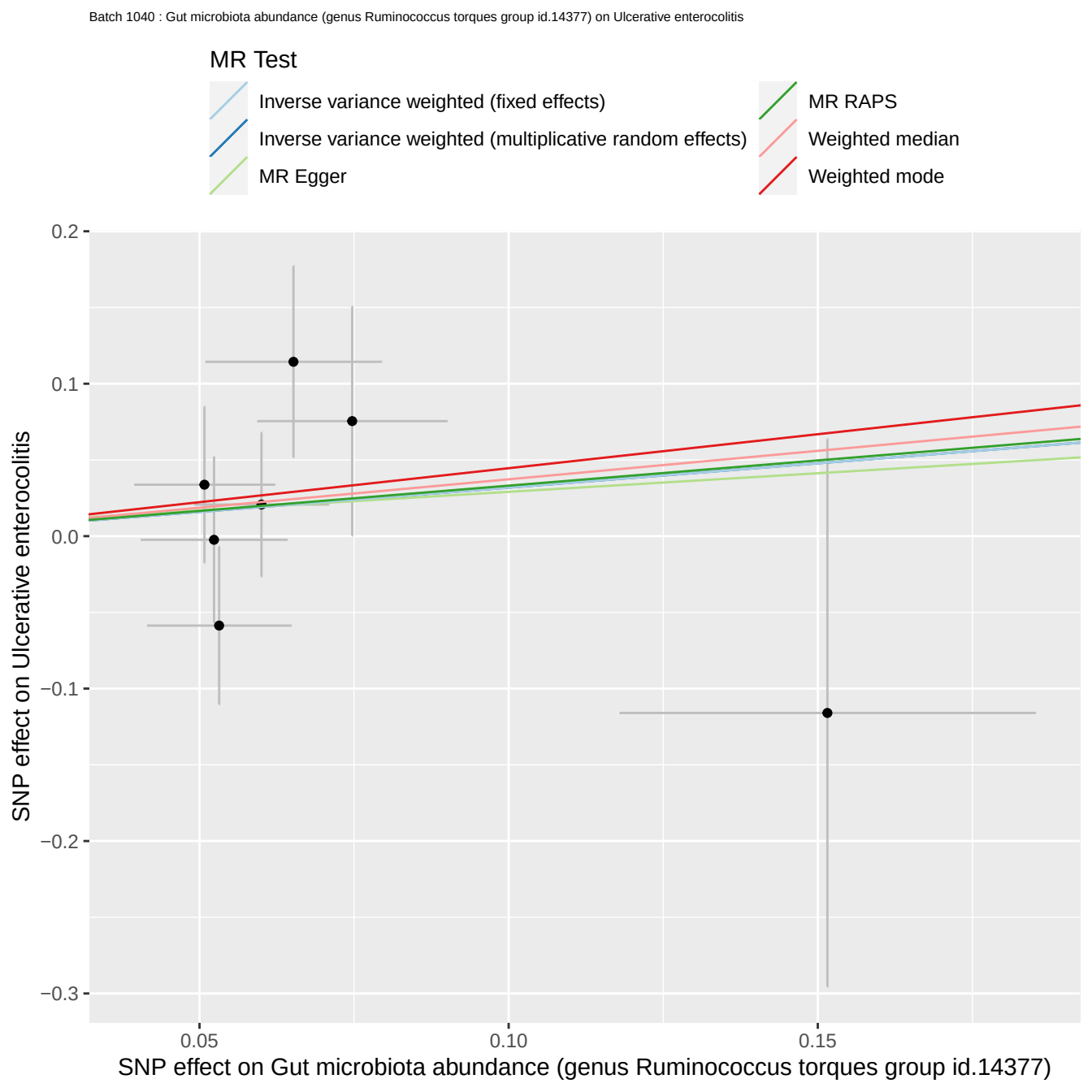

Batch 1035 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

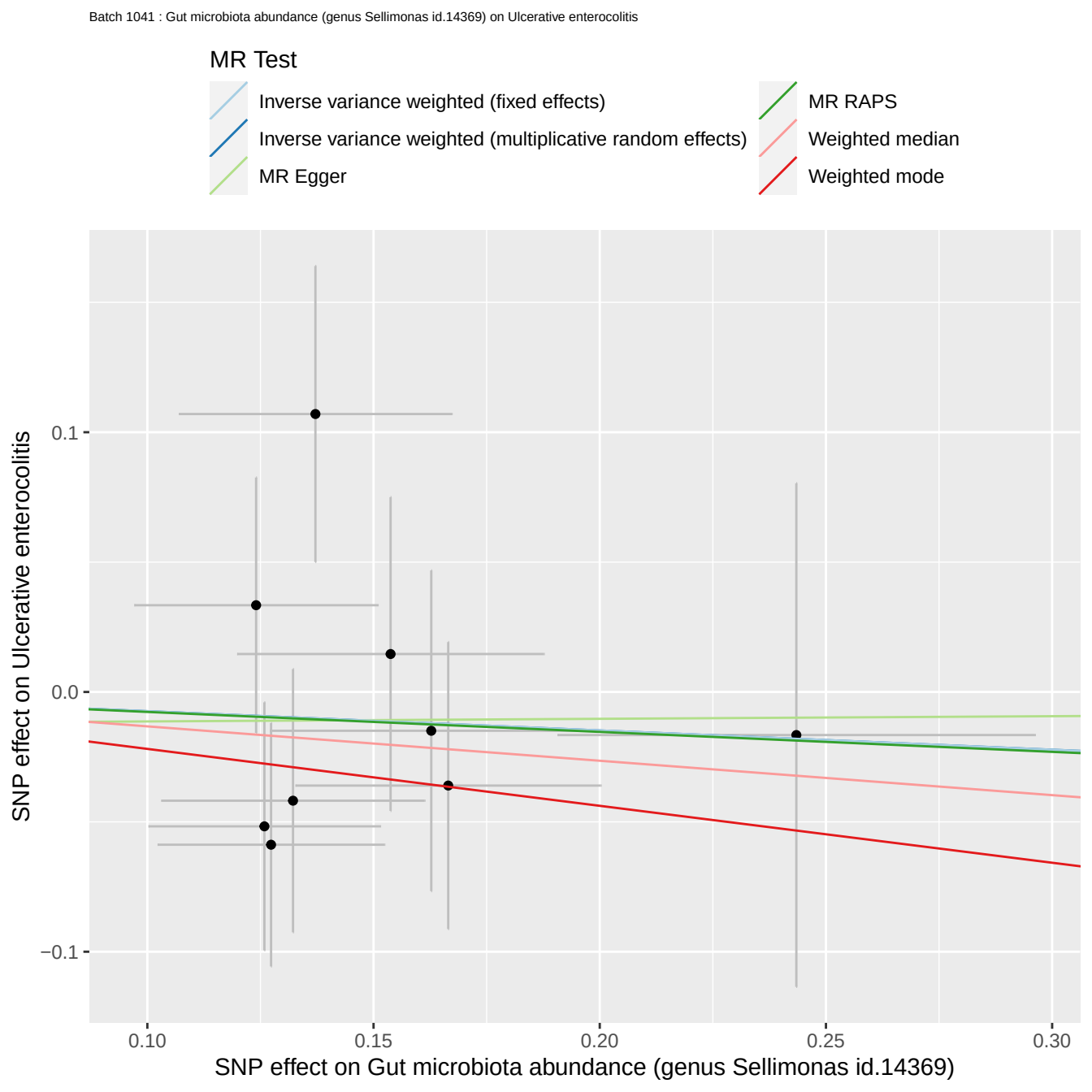

Batch 1036 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

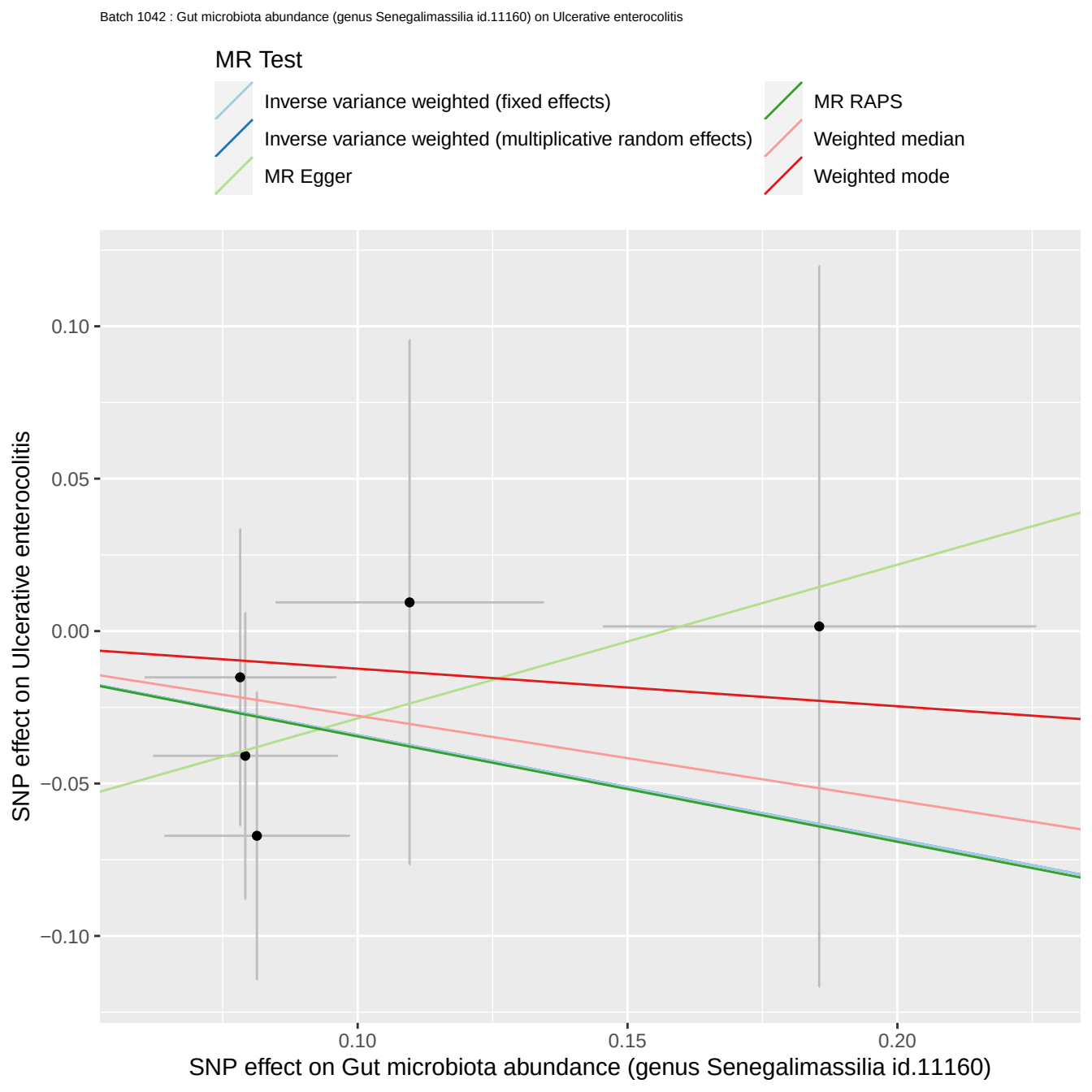

Batch 1037 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

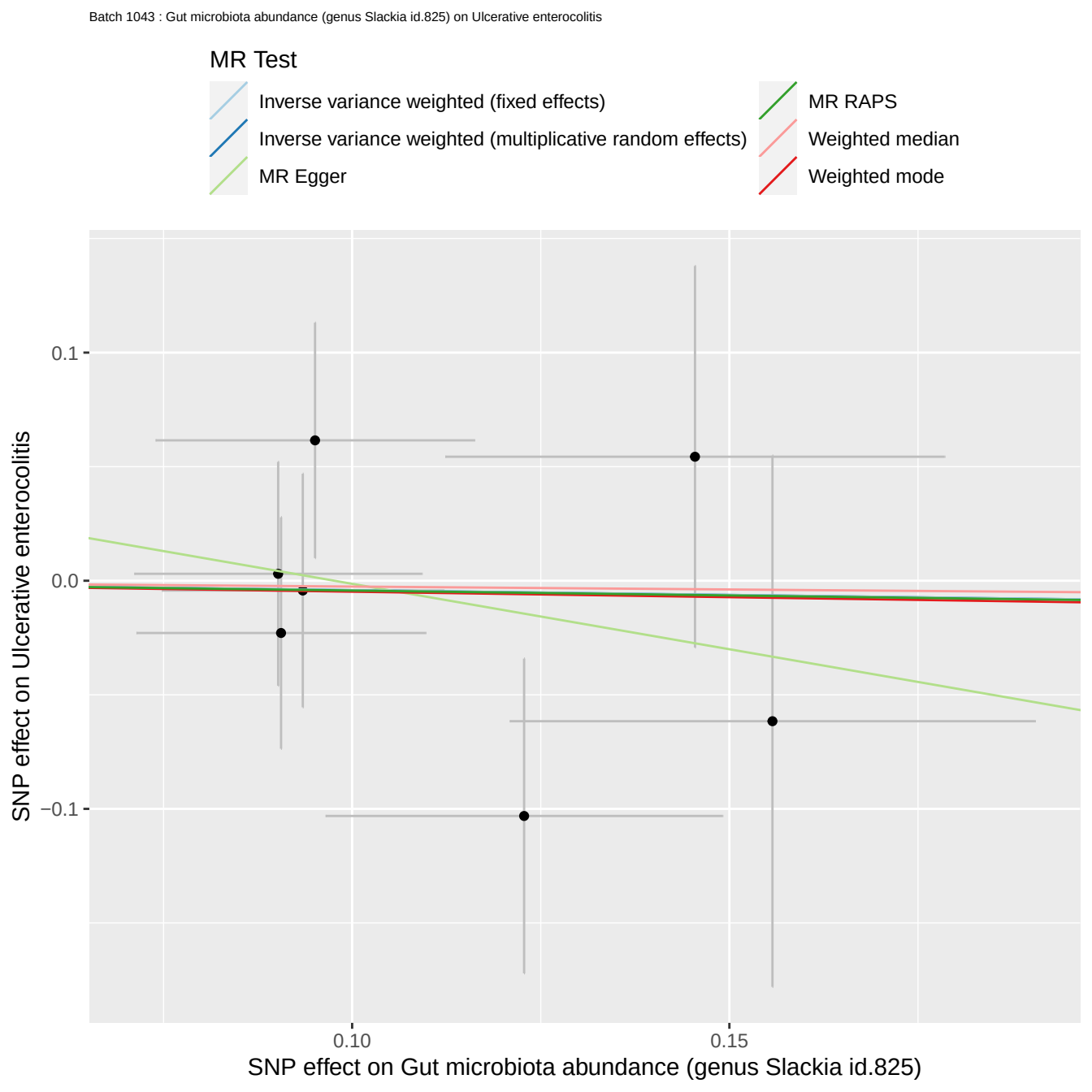

Batch 1038 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

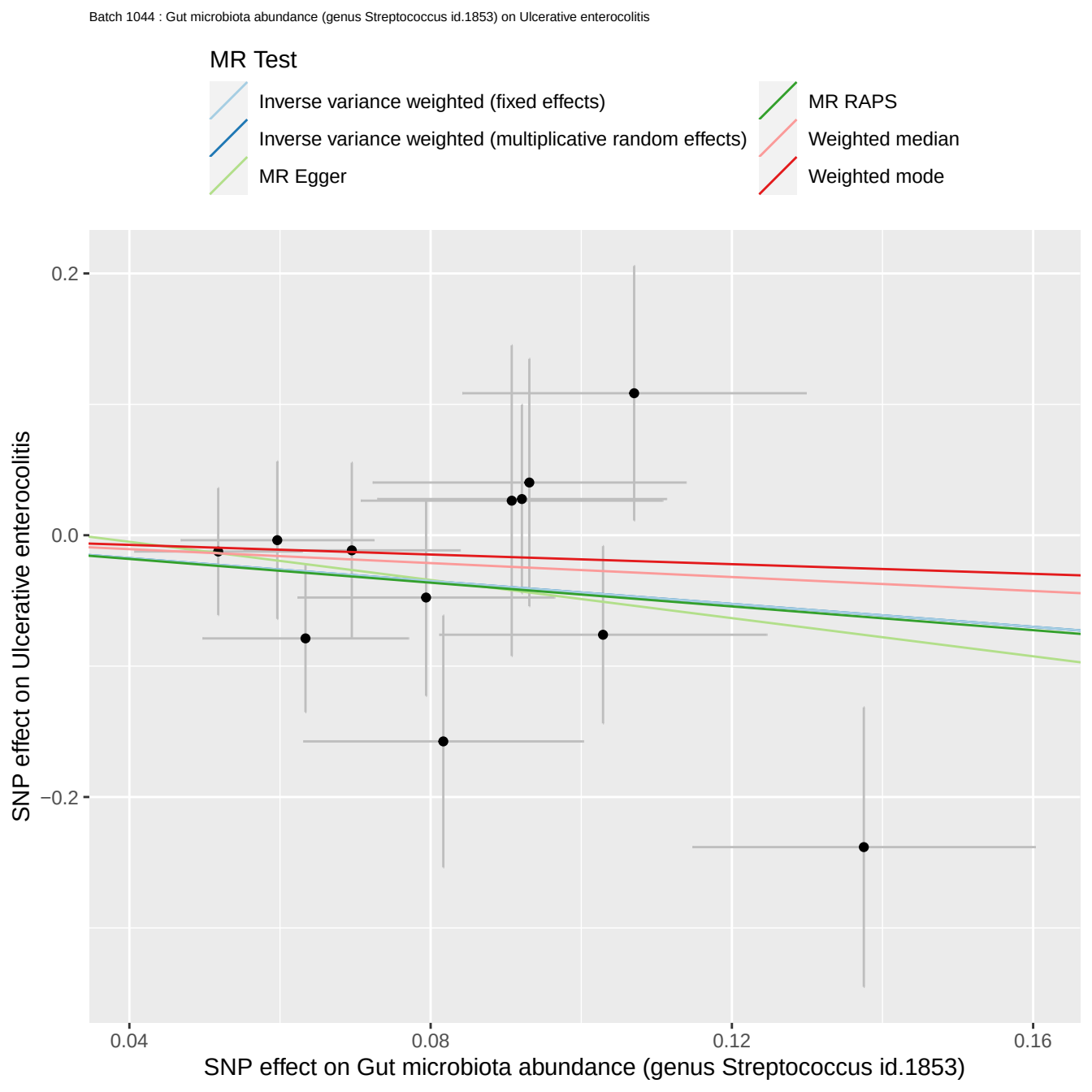

Batch 1039 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

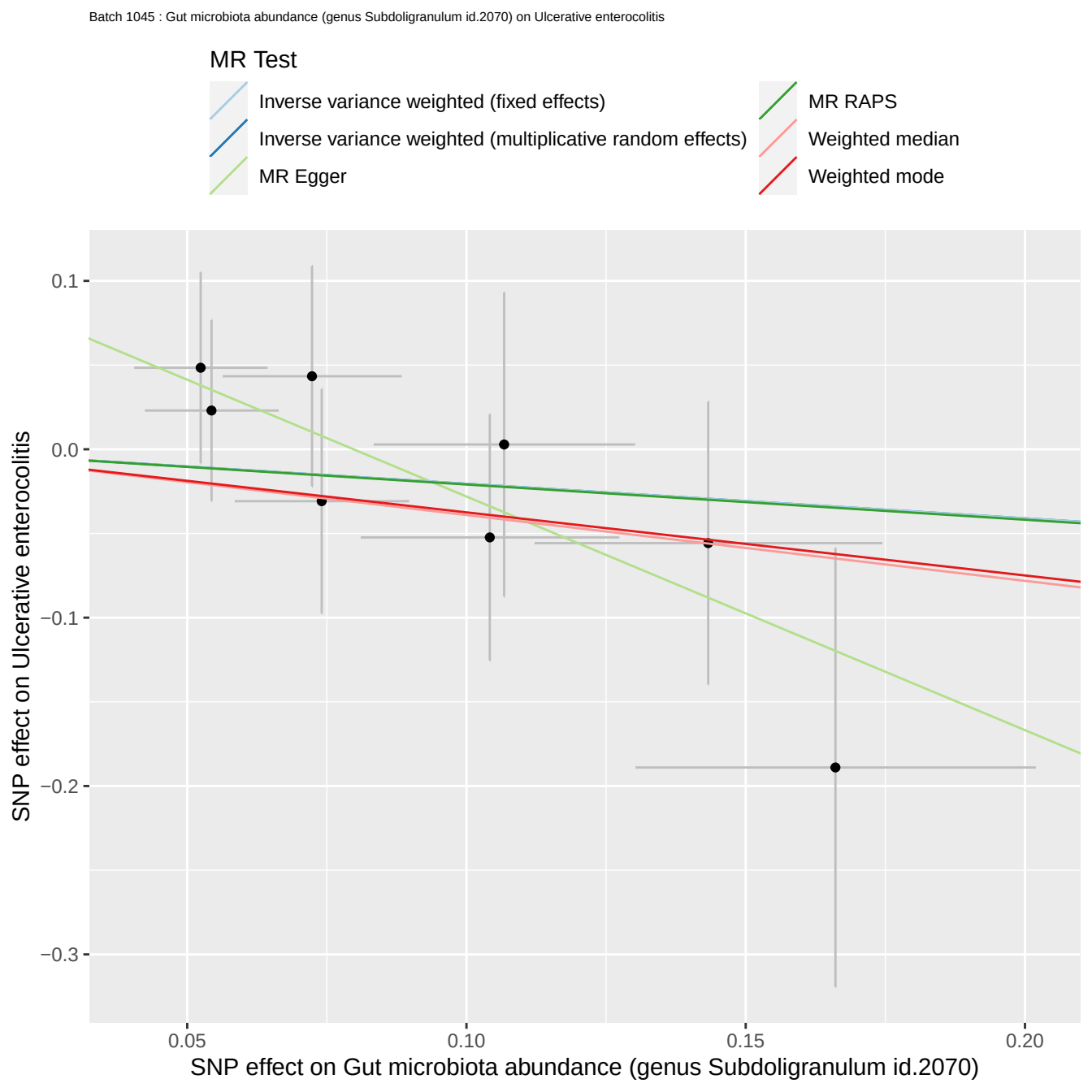

Batch 1040 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (genus Ruminococcus torques group id.14377)

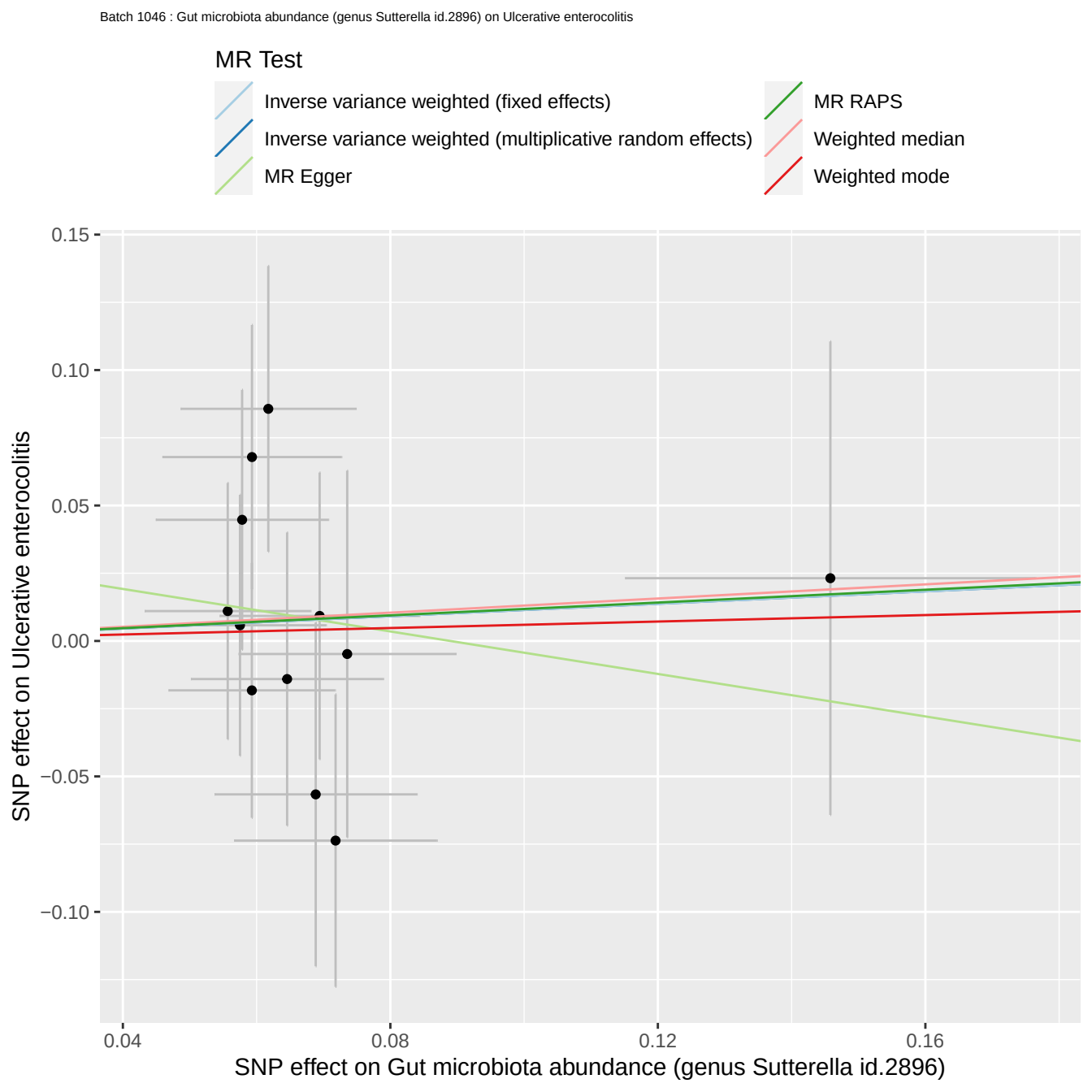

Batch 1041 : Gut microbiota abundance (genus Sellimonas id.14369) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

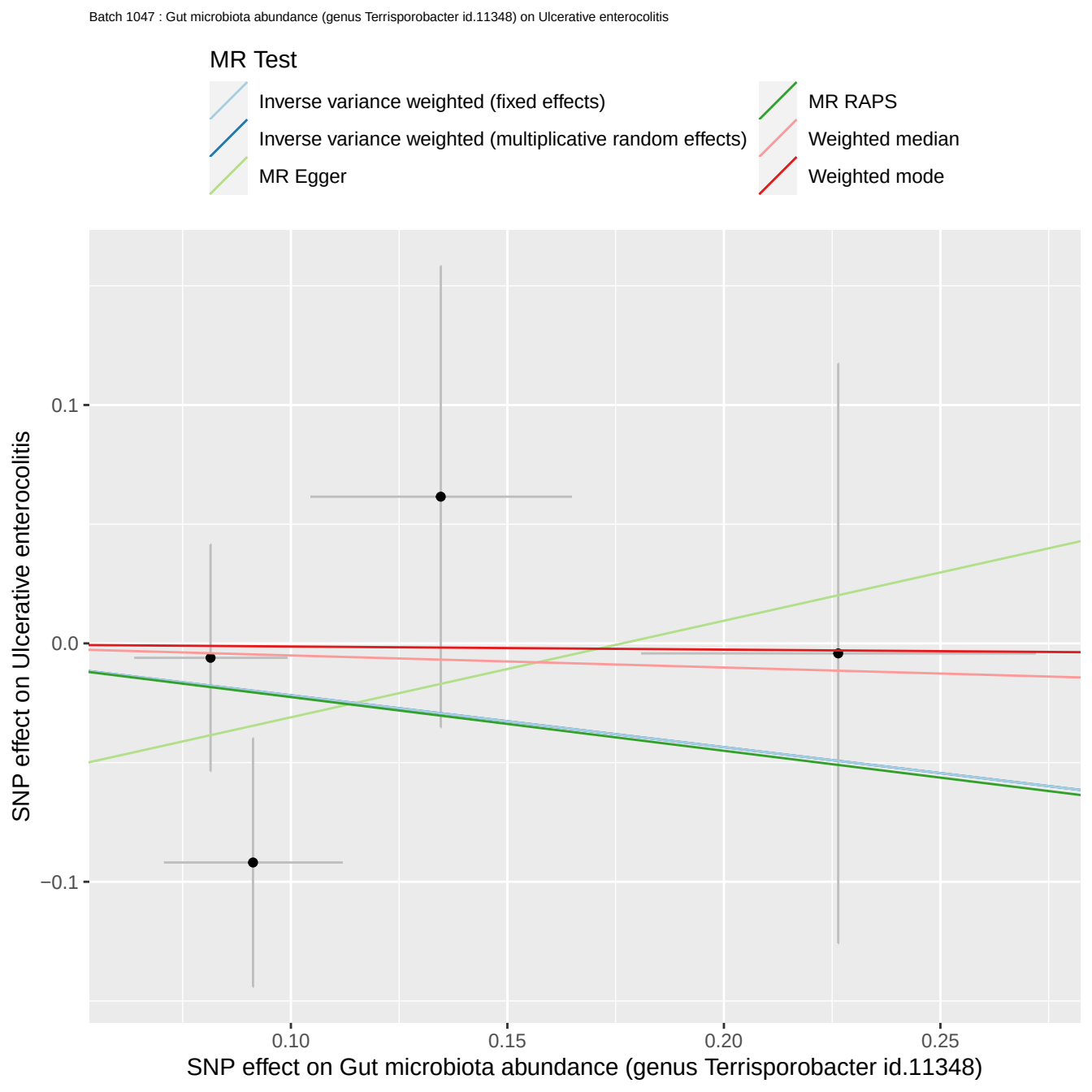

Batch 1042 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

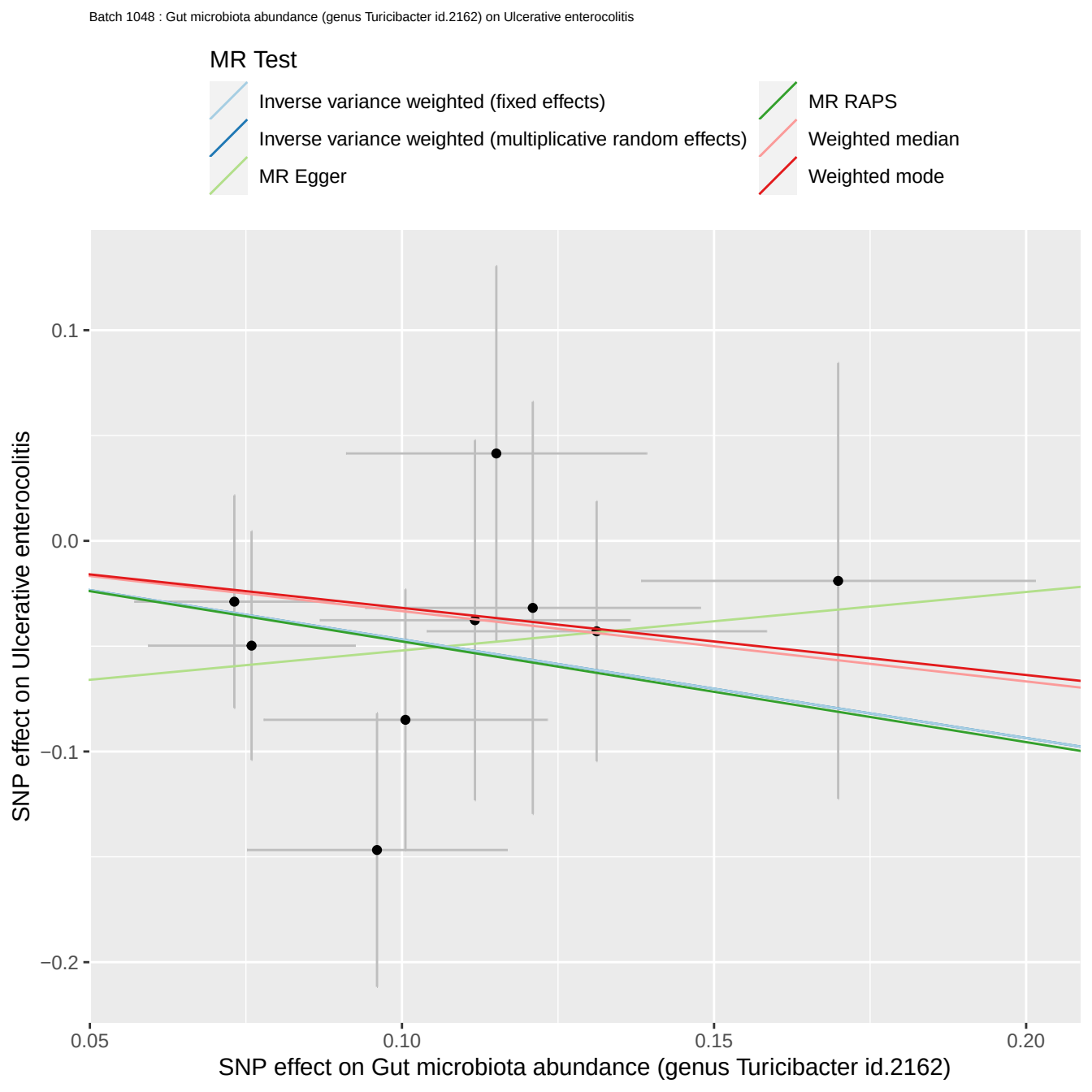

Batch 1043 : Gut microbiota abundance (genus Slackia id.825) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative enterocolitis
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

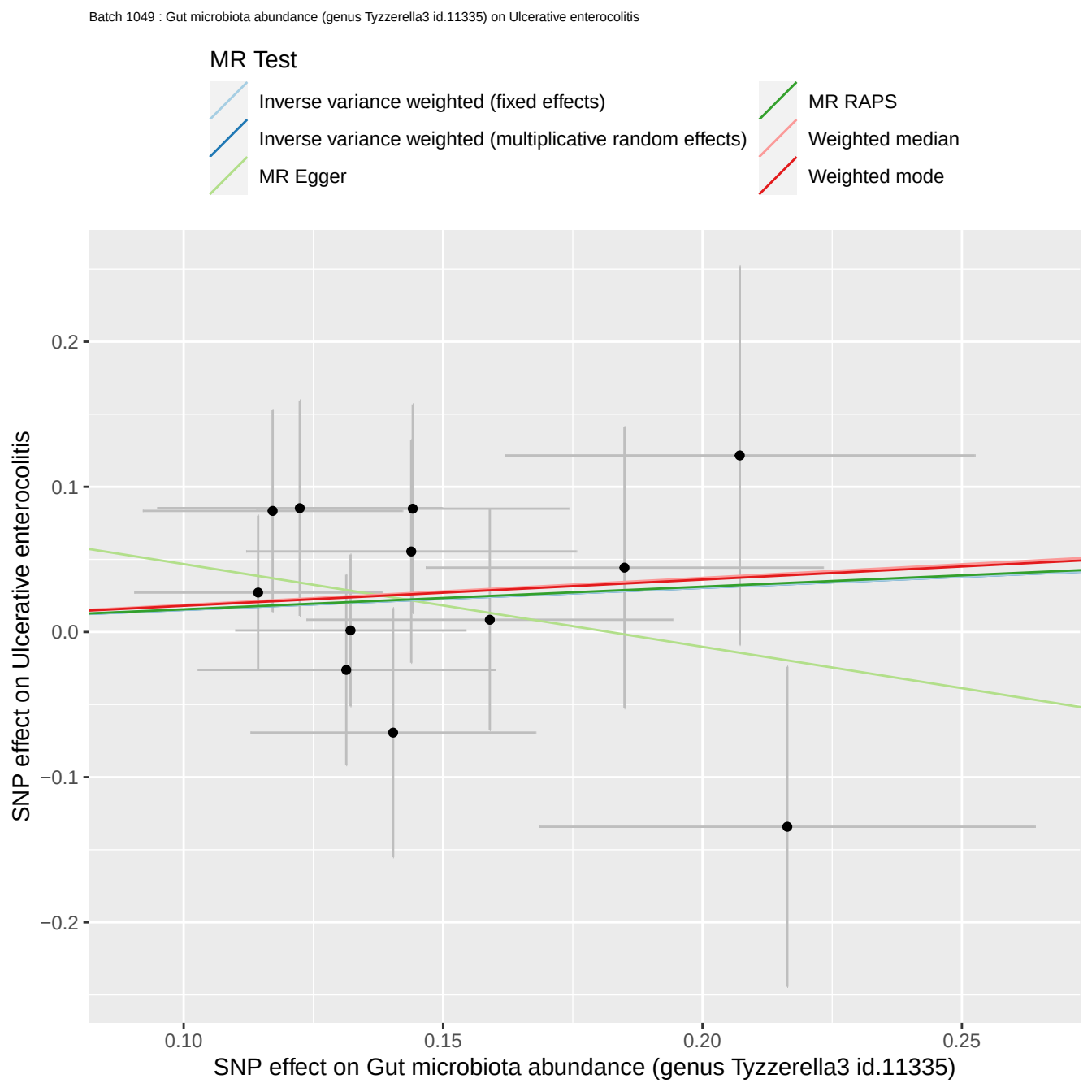

Batch 1044 : Gut microbiota abundance (genus Streptococcus id.1853) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
SNP effect on Ulcerative enterocolitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)

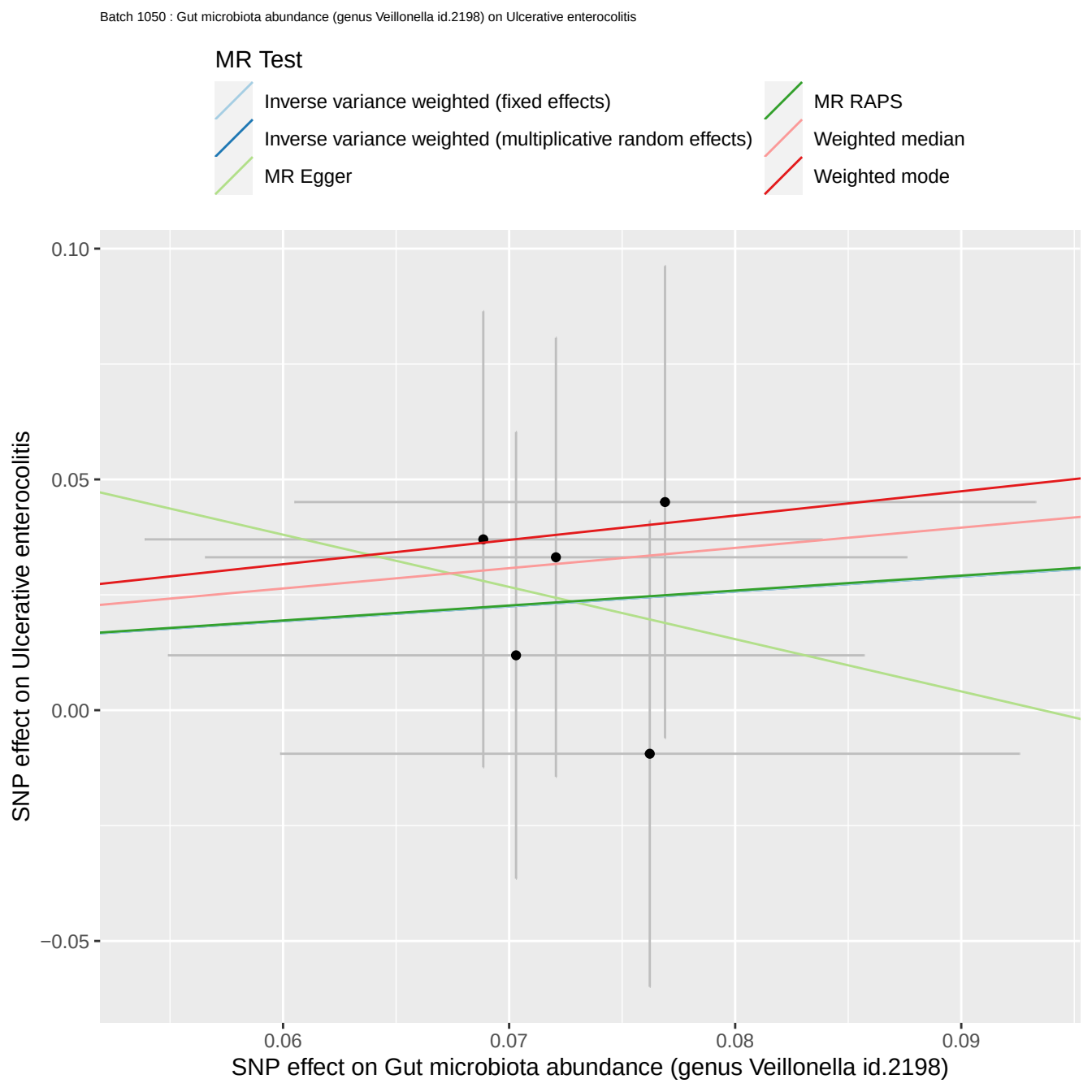

Batch 1045 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

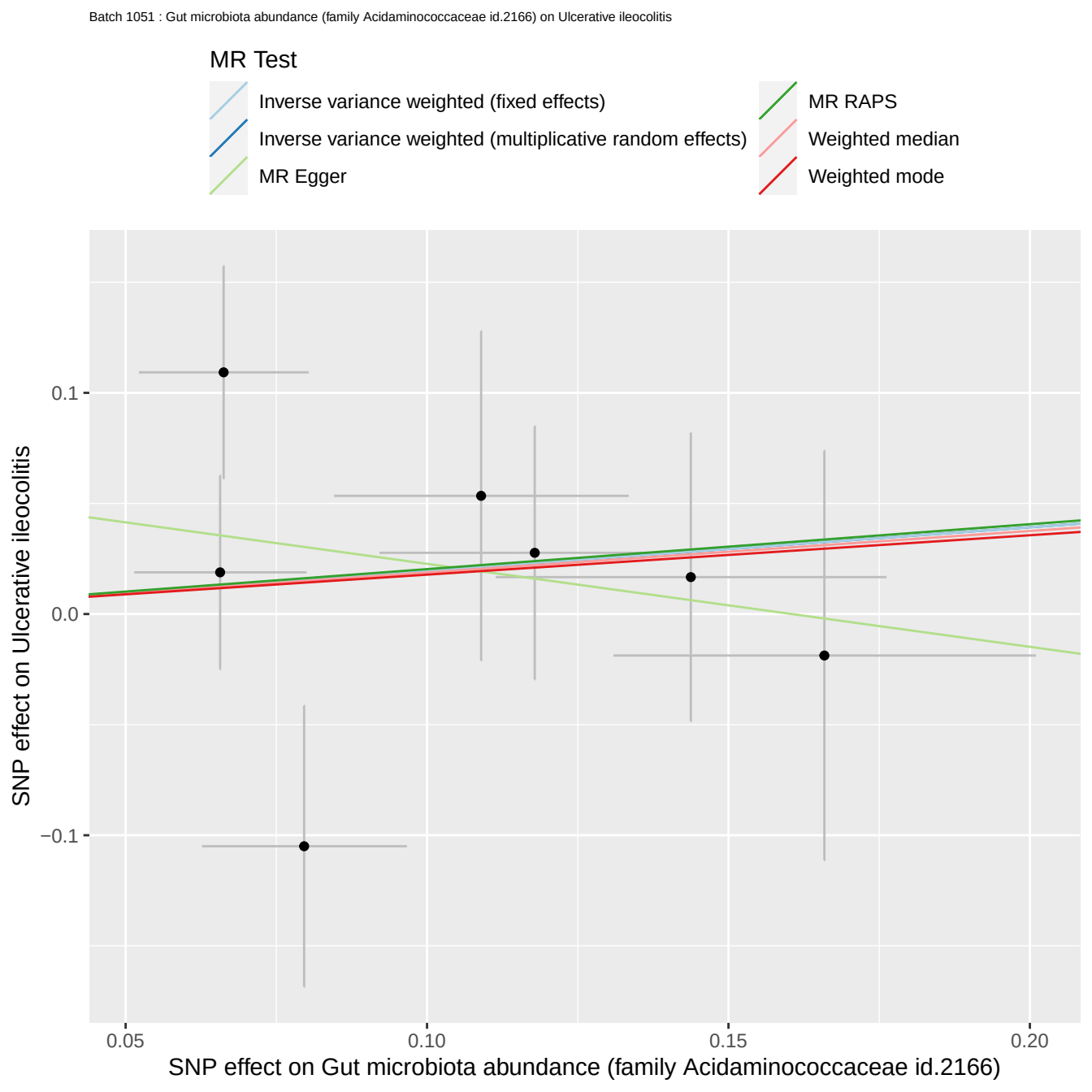

Batch 1046 : Gut microbiota abundance (genus Sutterella id.2896) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative enterocolitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

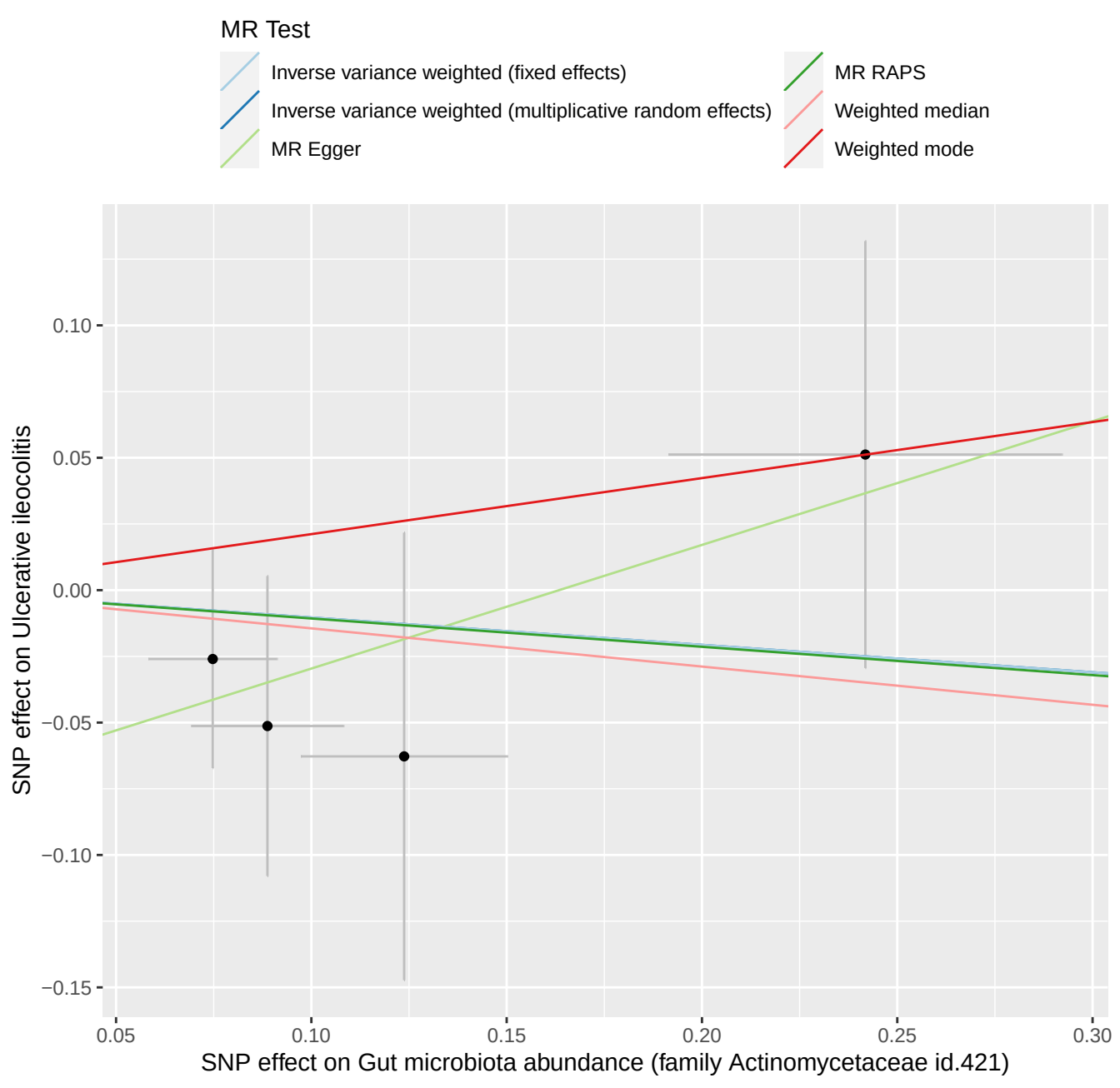

Batch 1047 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

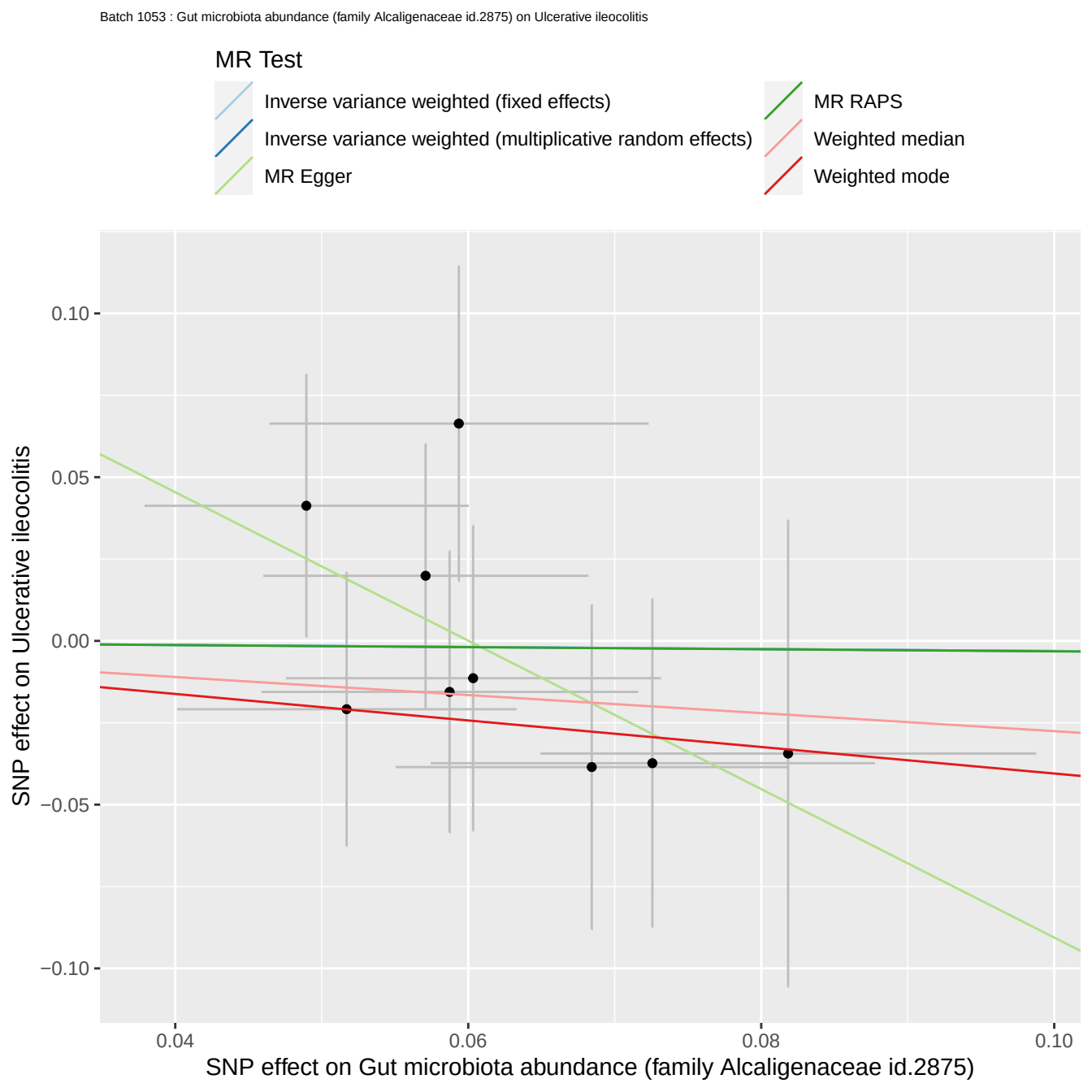

Batch 1048 : Gut microbiota abundance (genus Turicibacter id.2162) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

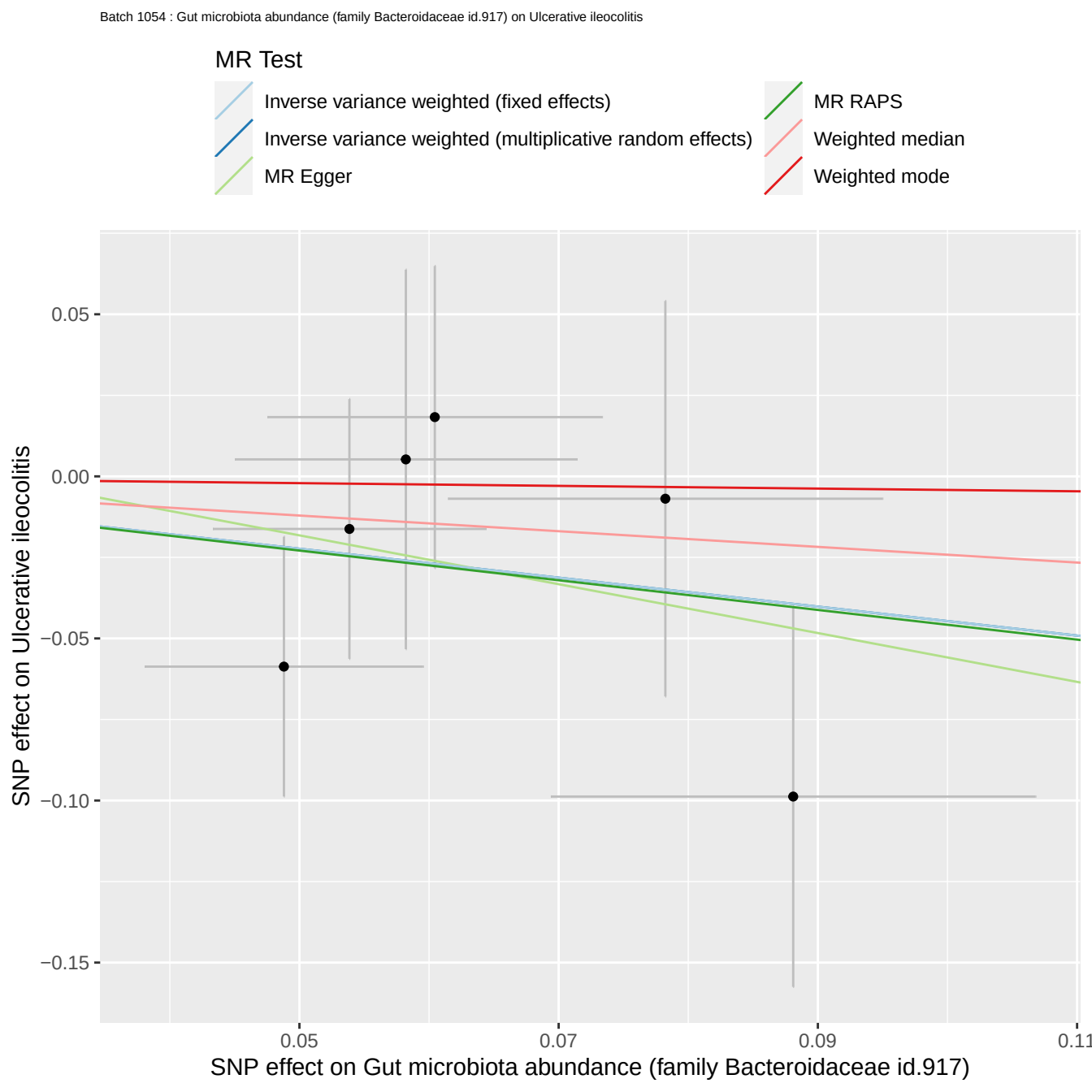

Batch 1049 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative enterocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

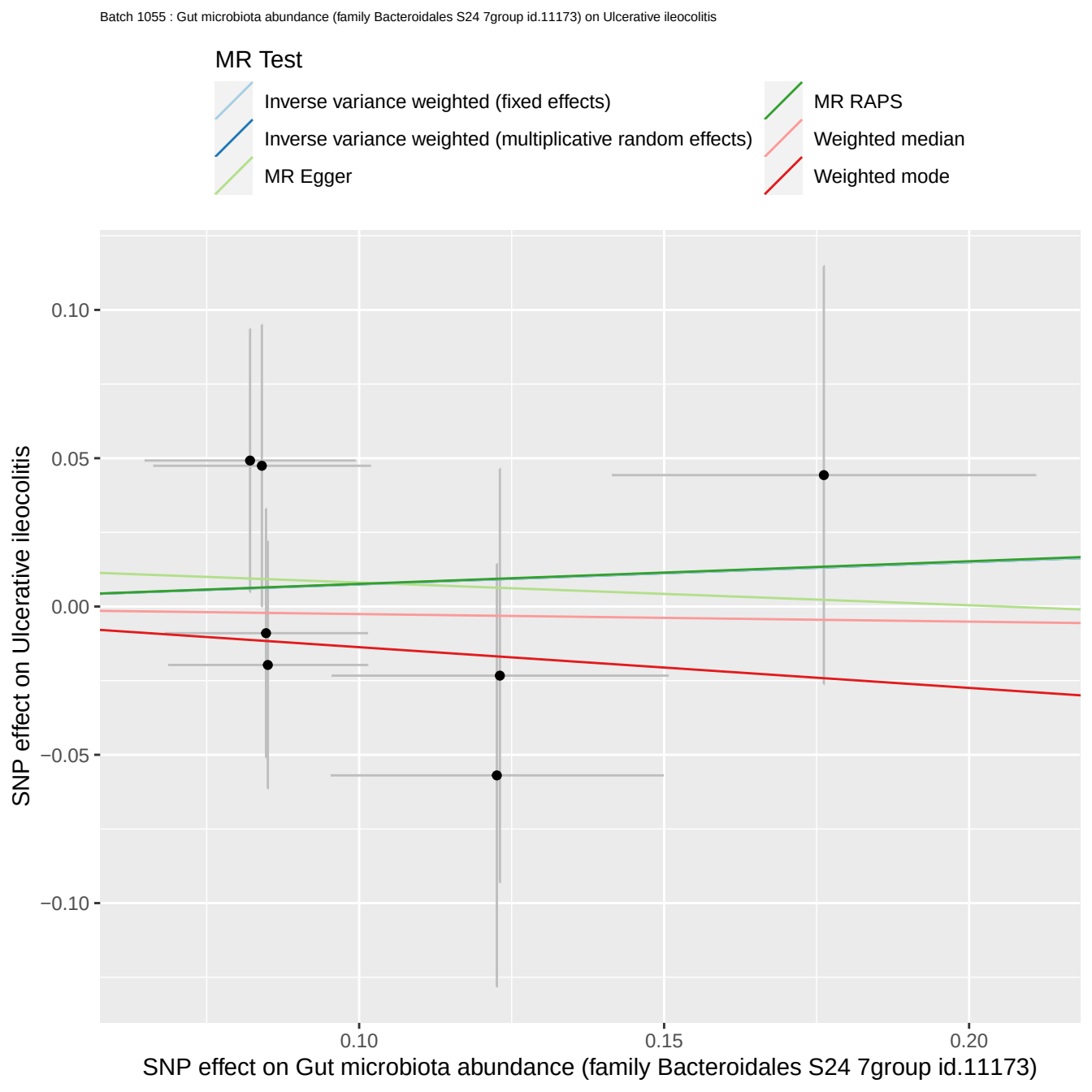

Batch 1050 : Gut microbiota abundance (genus Veillonella id.2198) on Ulcerative enterocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative enterocolitis
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)

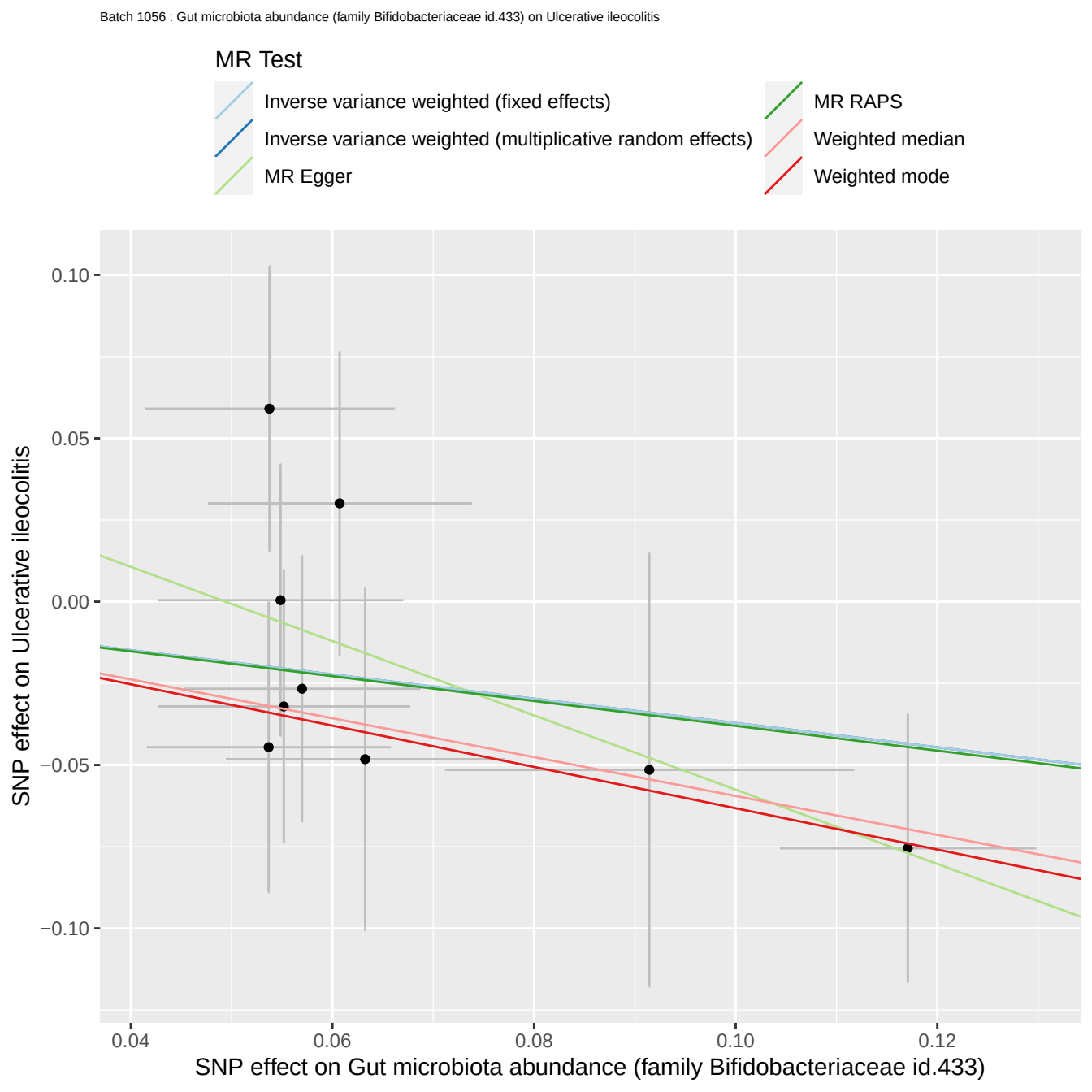

Batch 1051 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

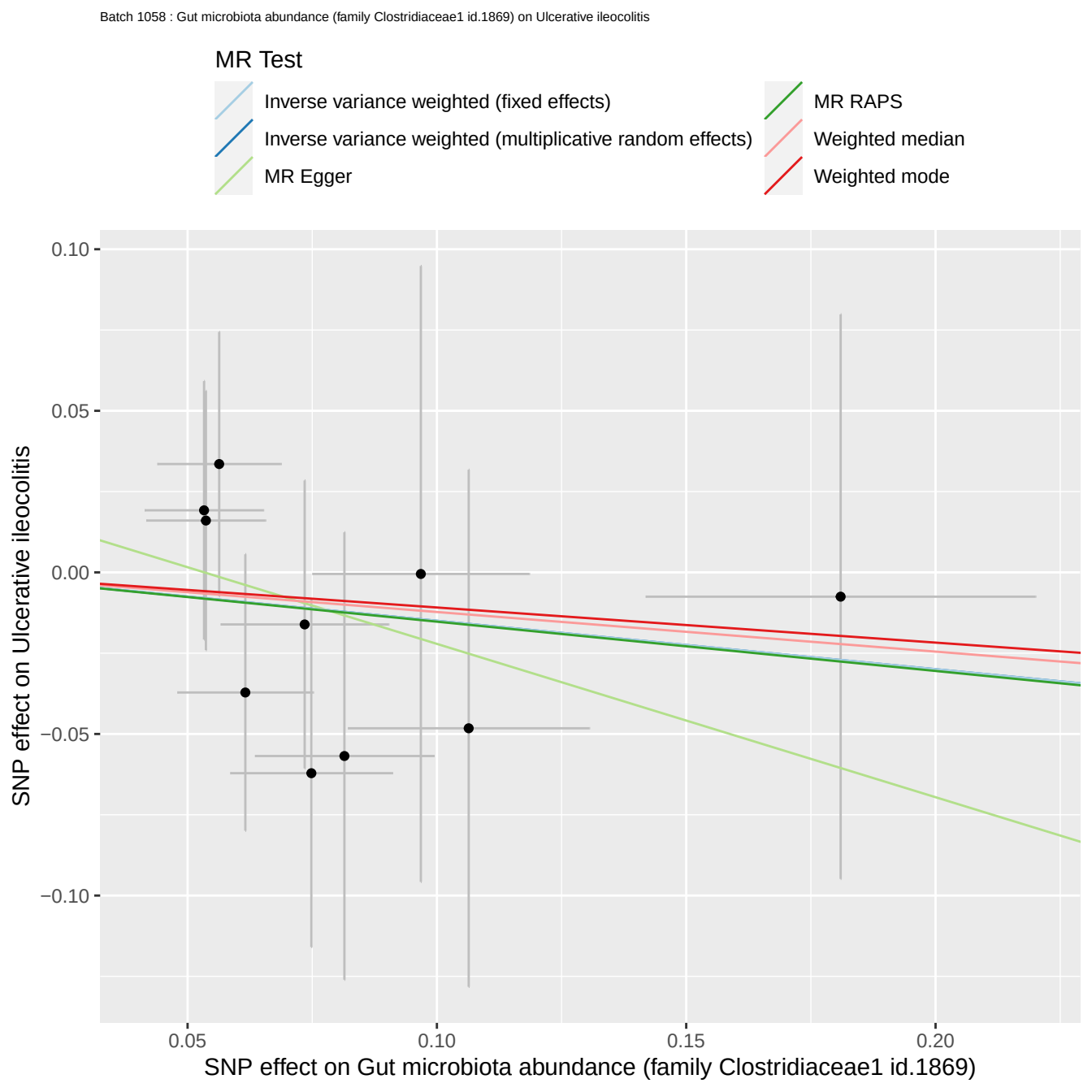

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)


Batch 1053 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

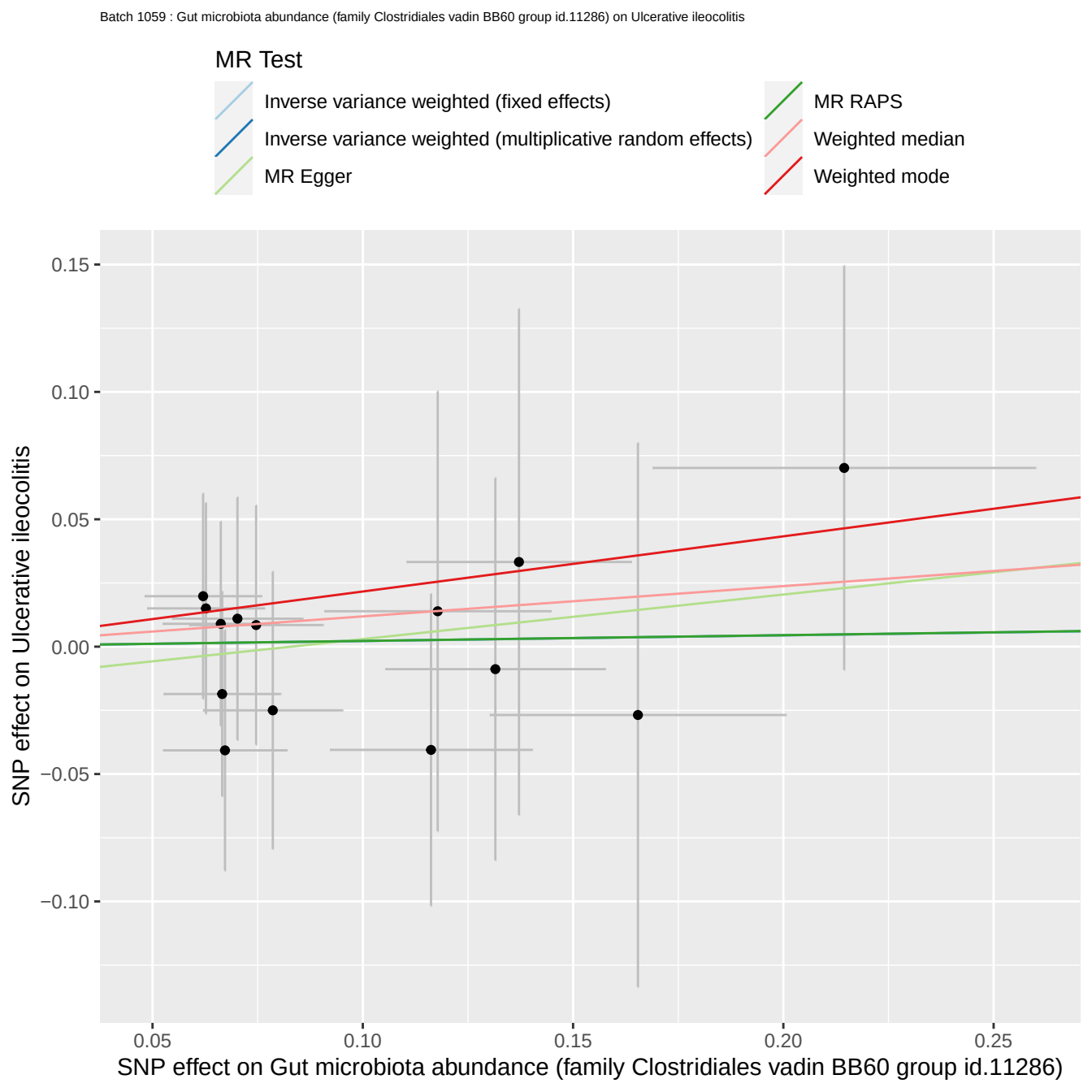

Batch 1054 : Gut microbiota abundance (family Bacteroidaceae id.917) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative ileocolitis
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

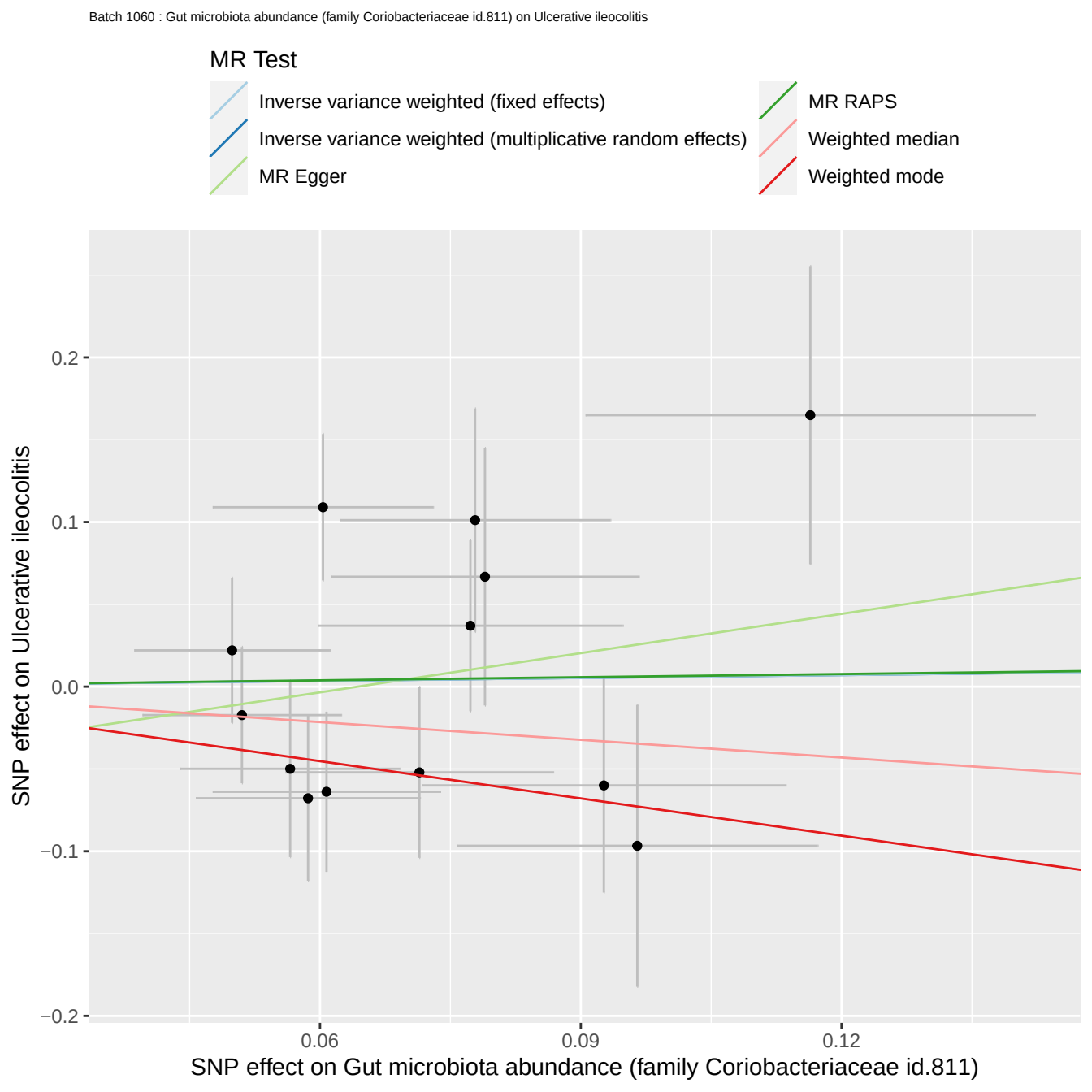

Batch 1055 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

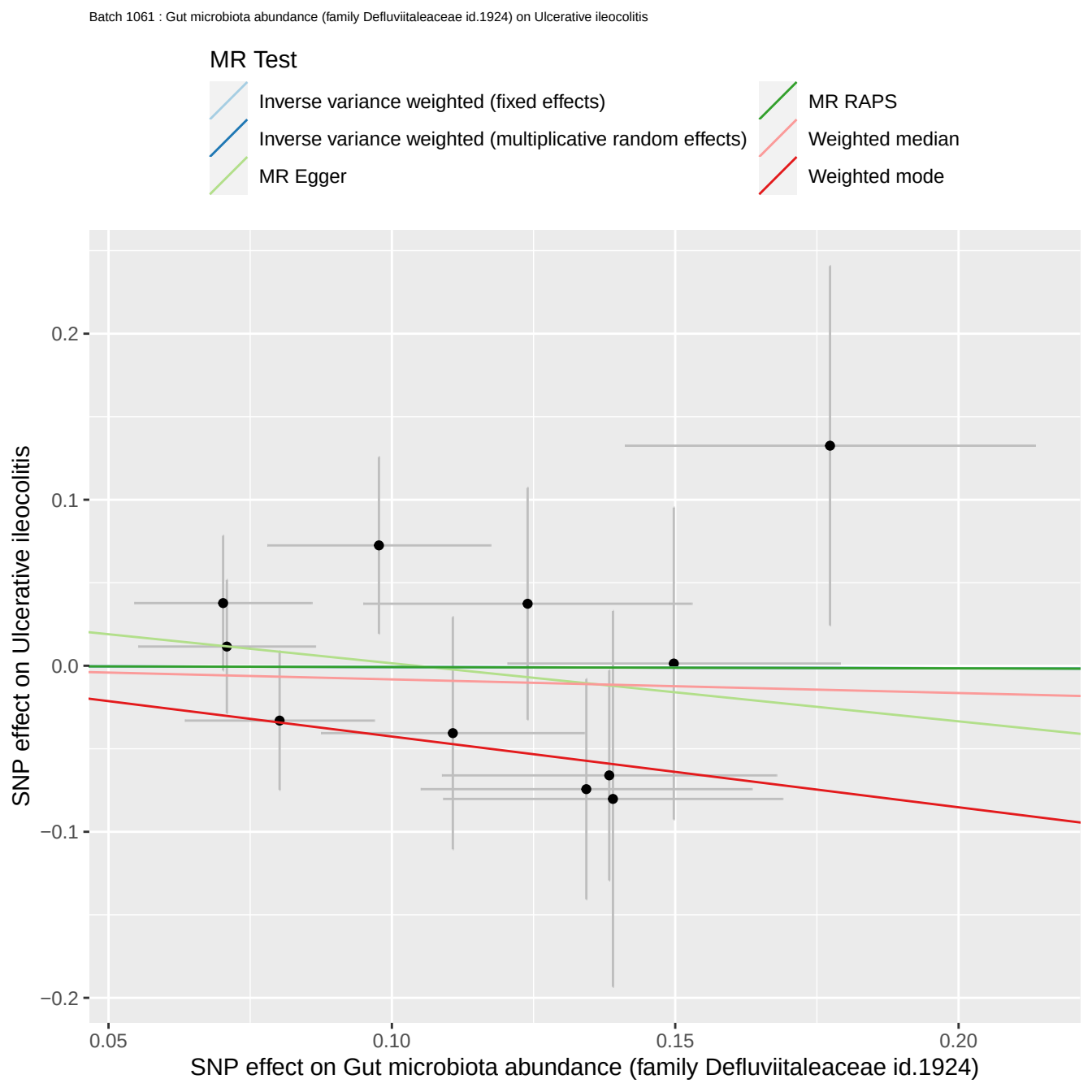

Batch 1056 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

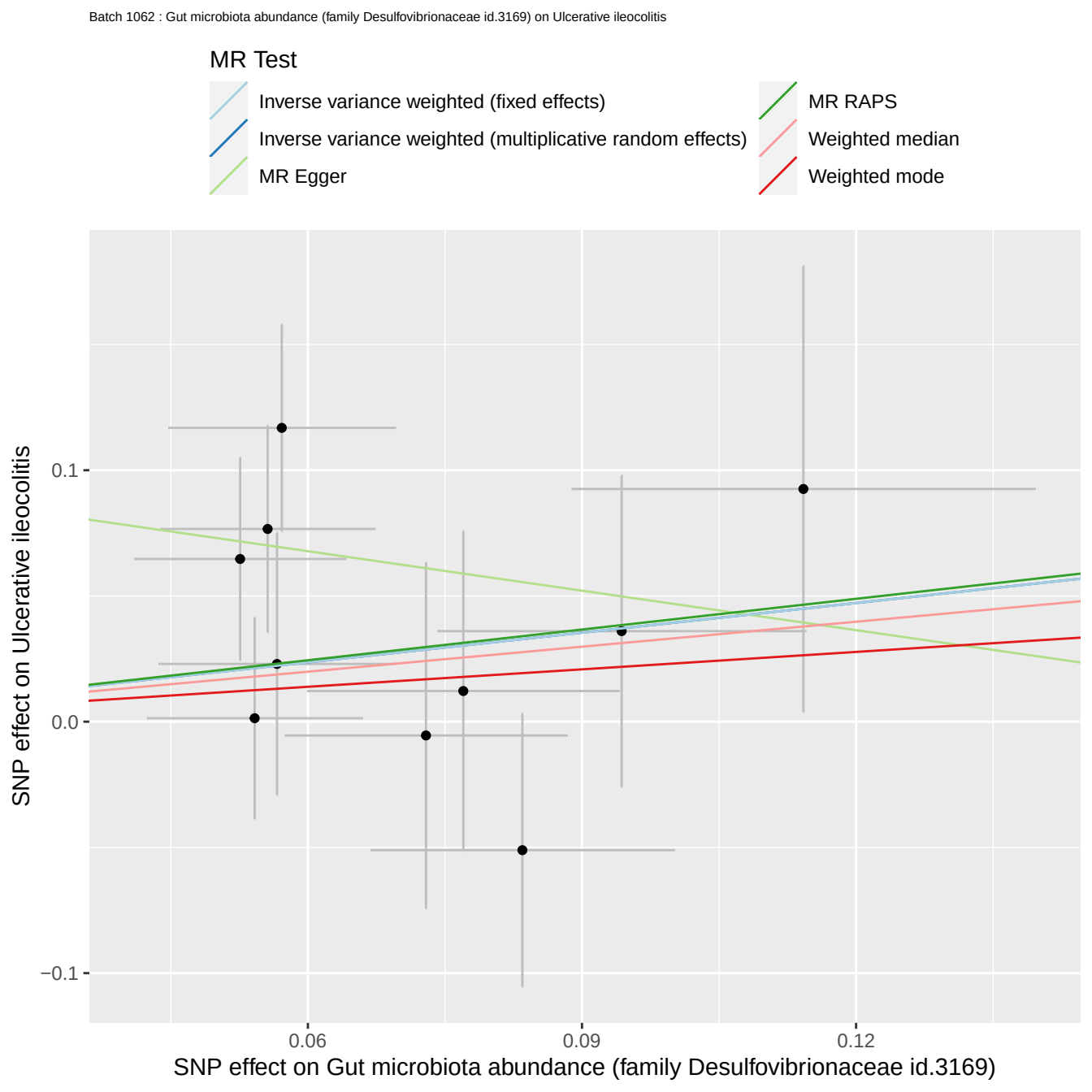

Batch 1058 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

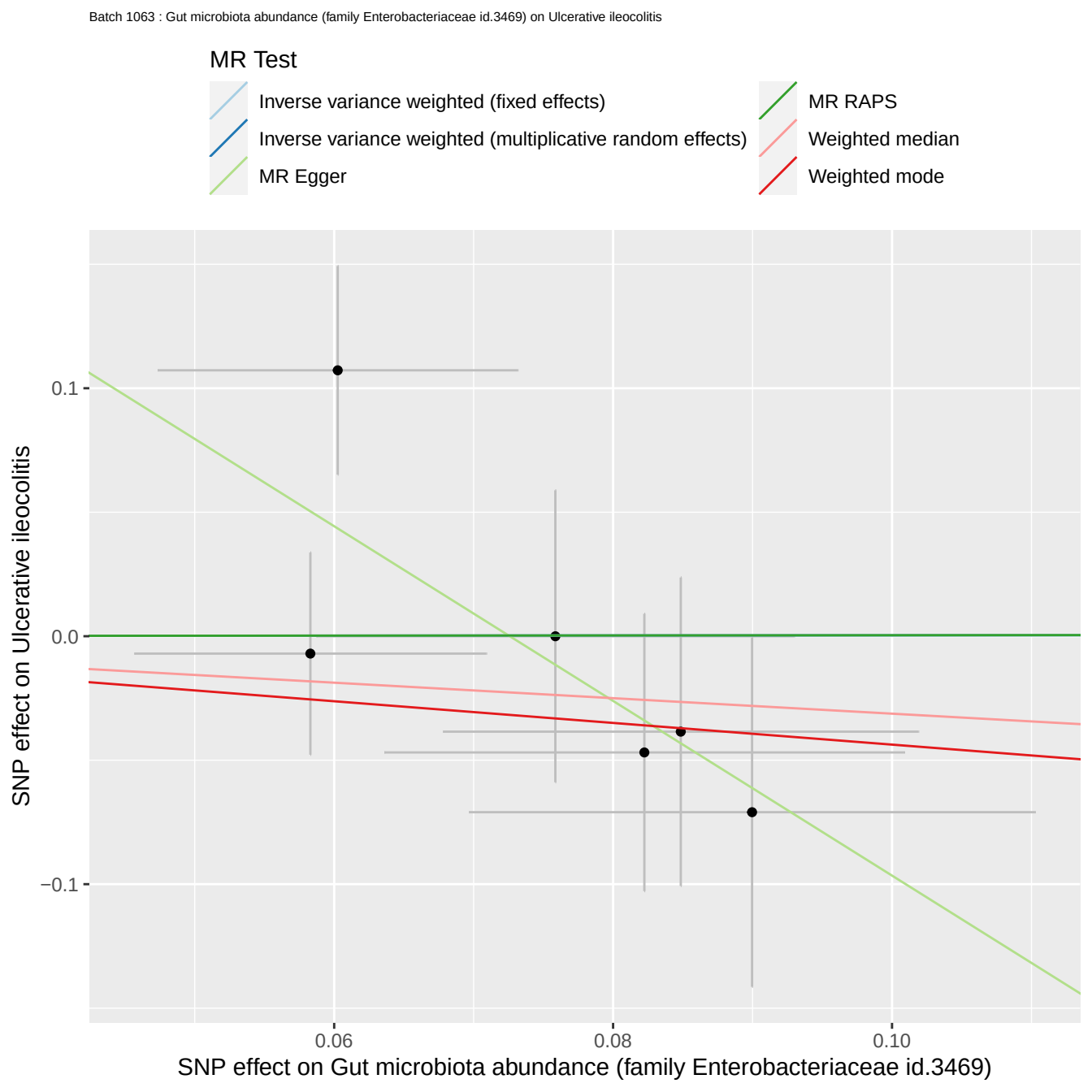
Batch 1059 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Ulcerative ileocolitis

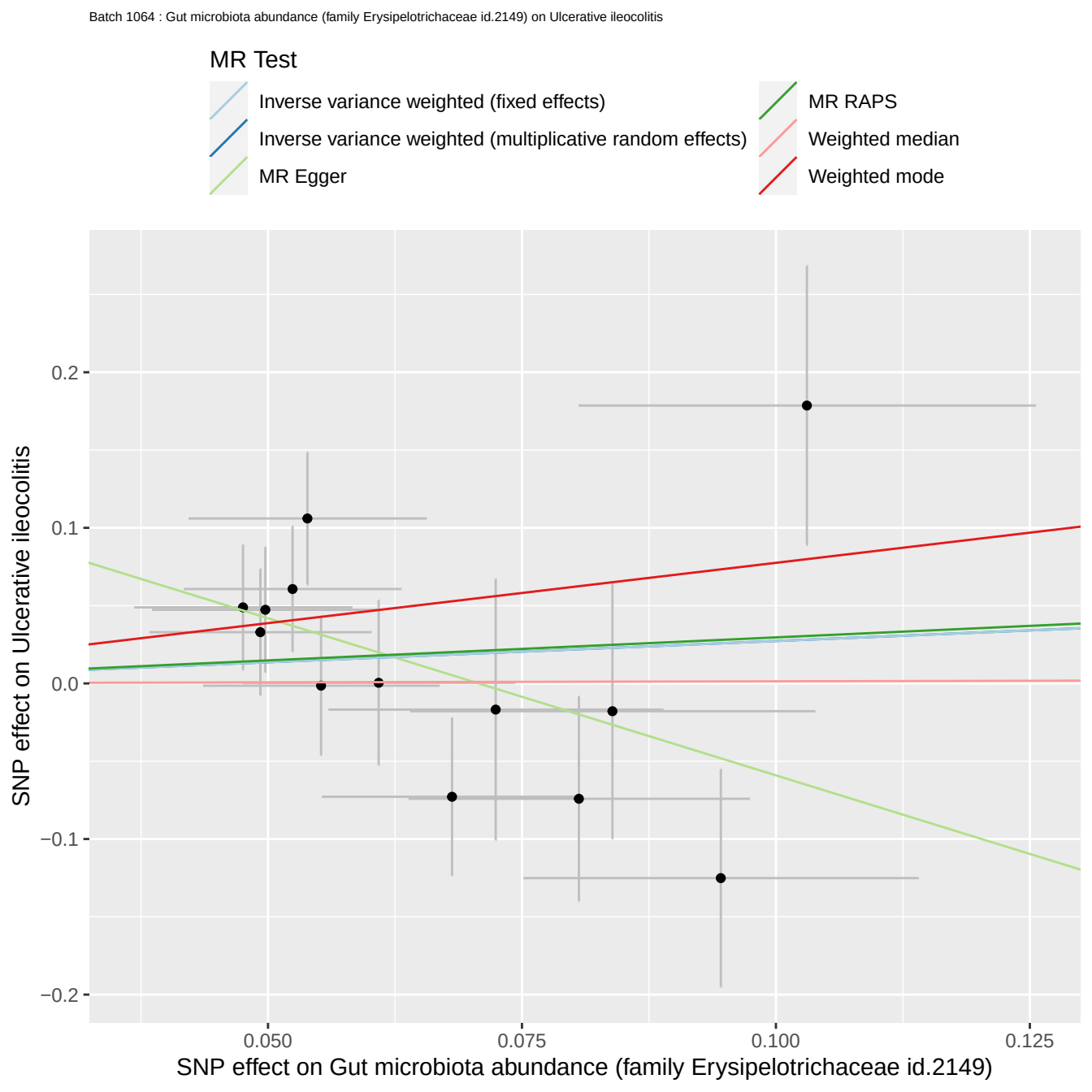


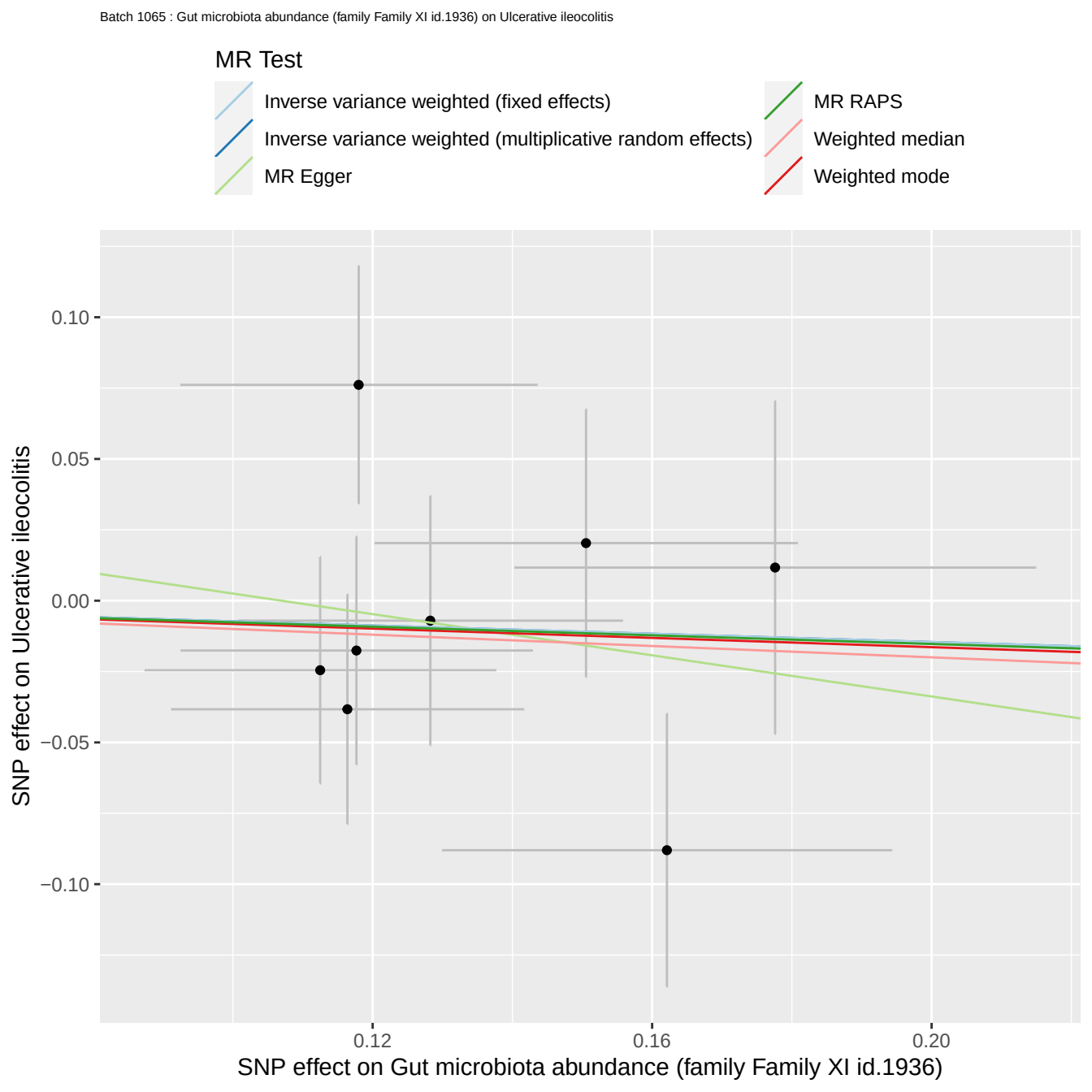

Batch 1060 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

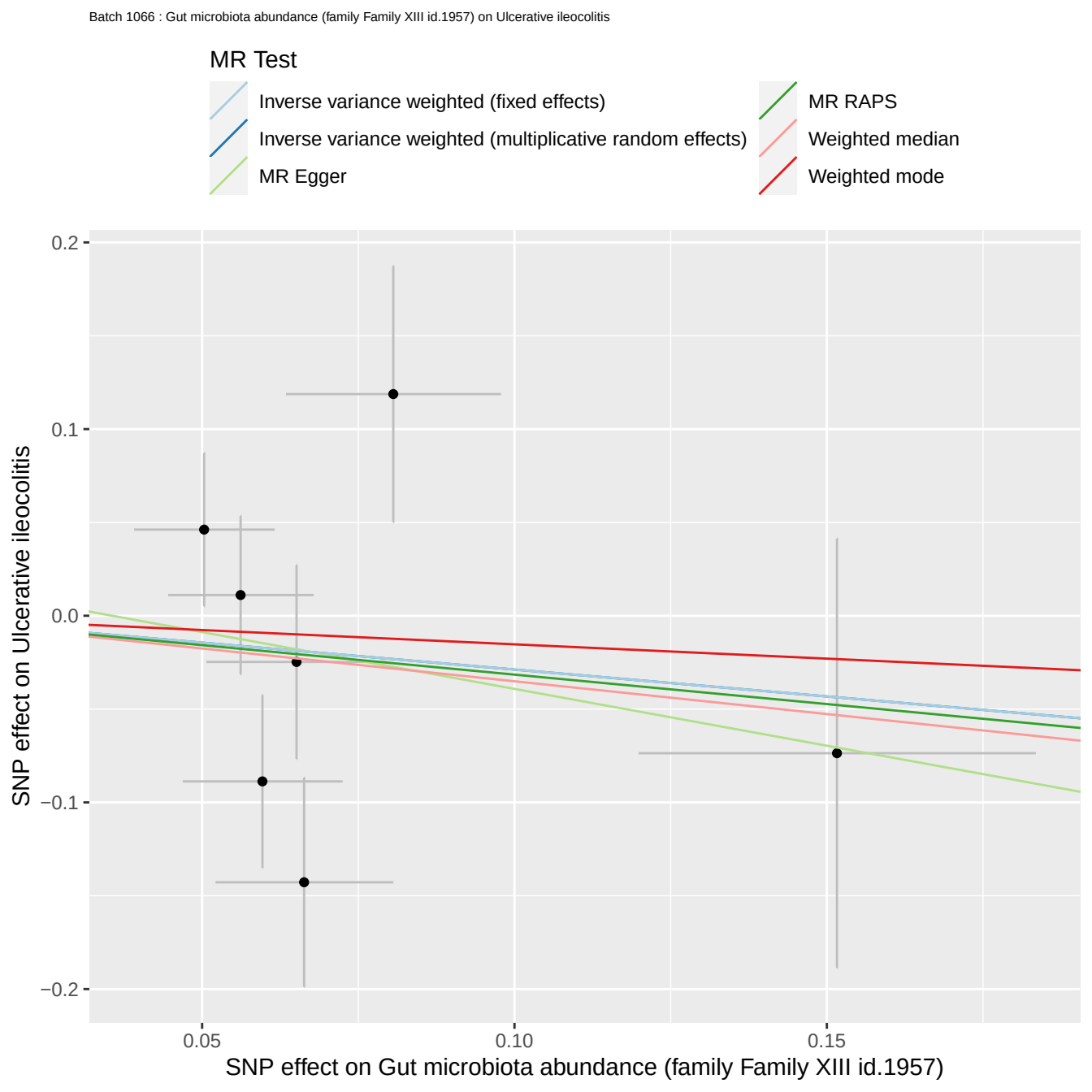

Batch 1061 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

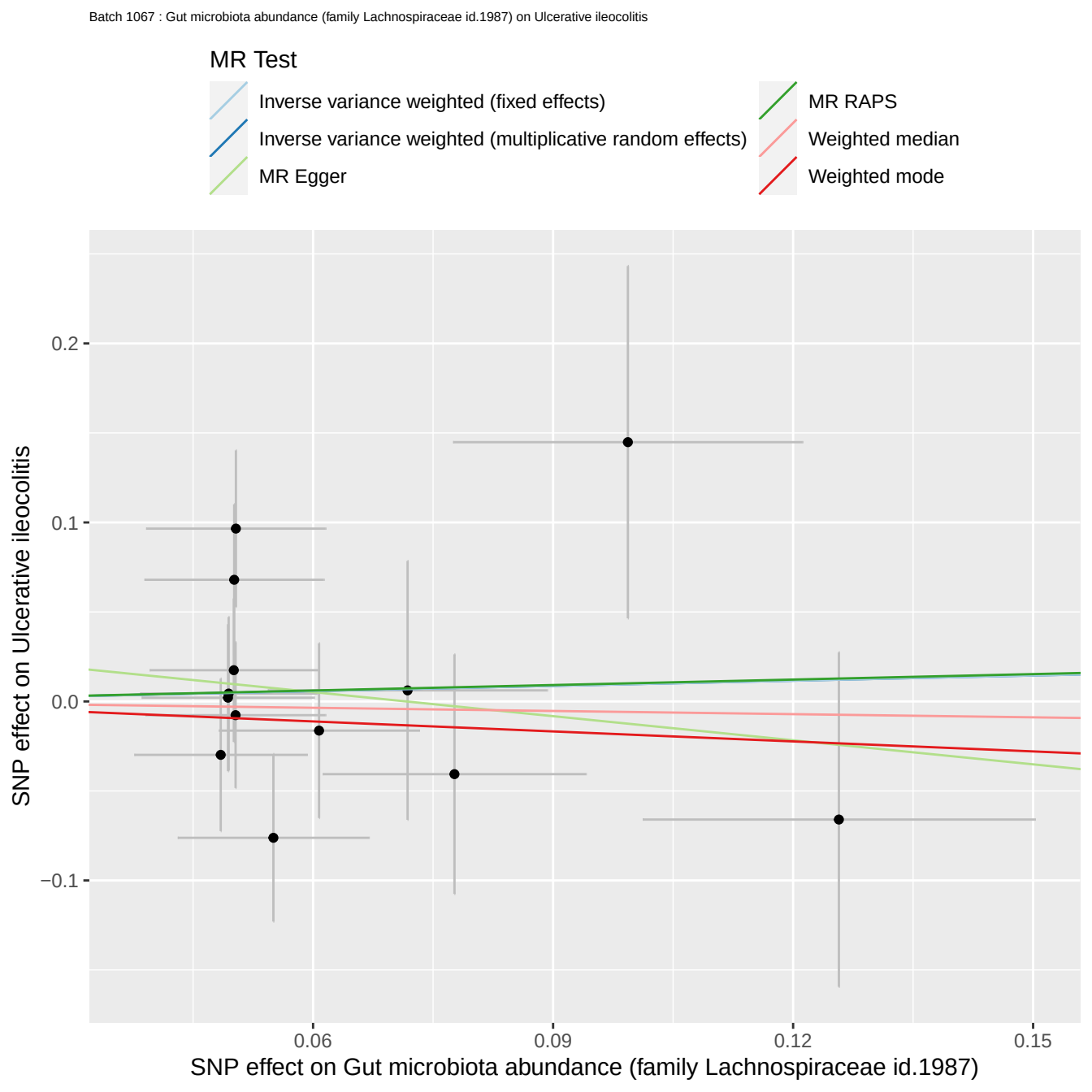

Batch 1062 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

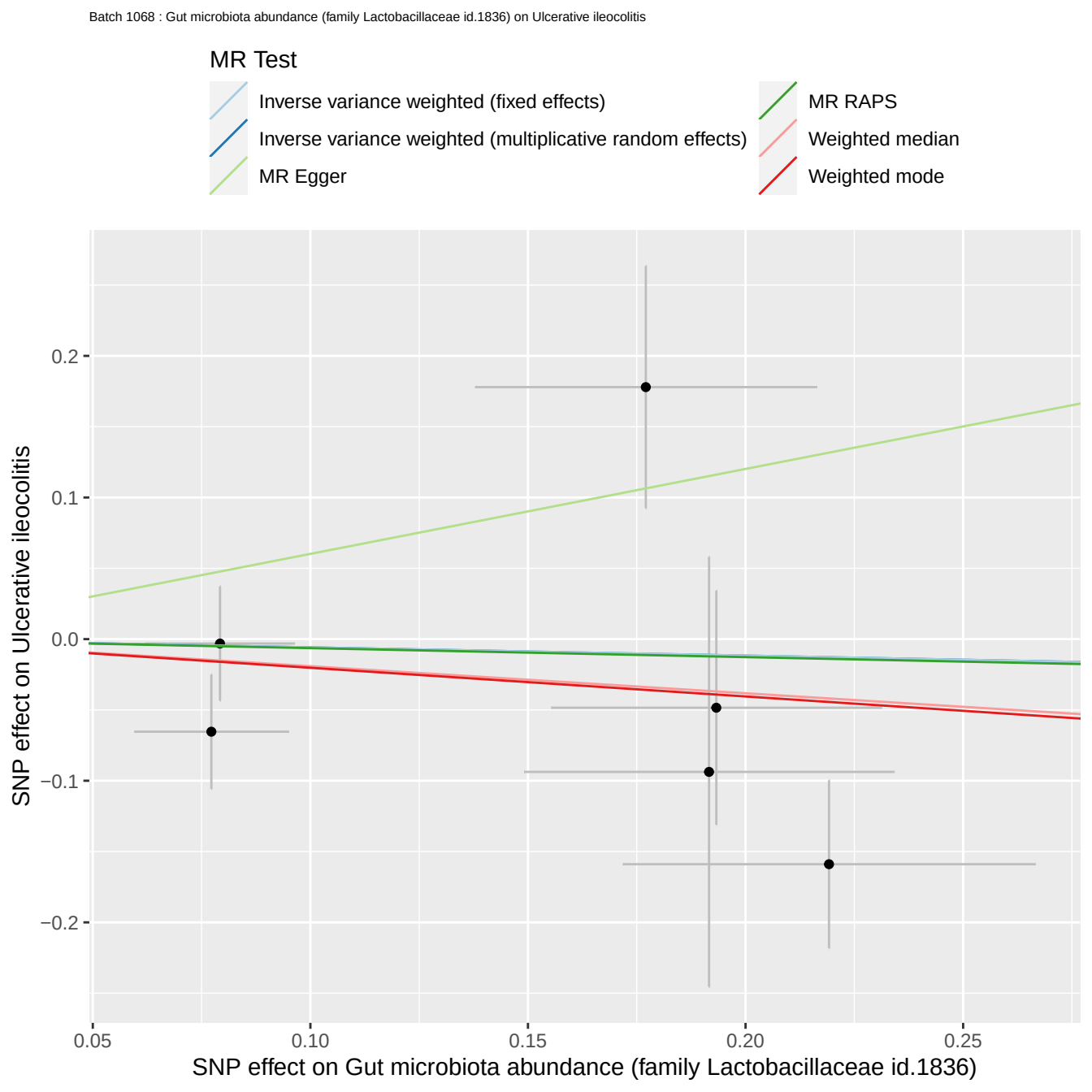

Batch 1063 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

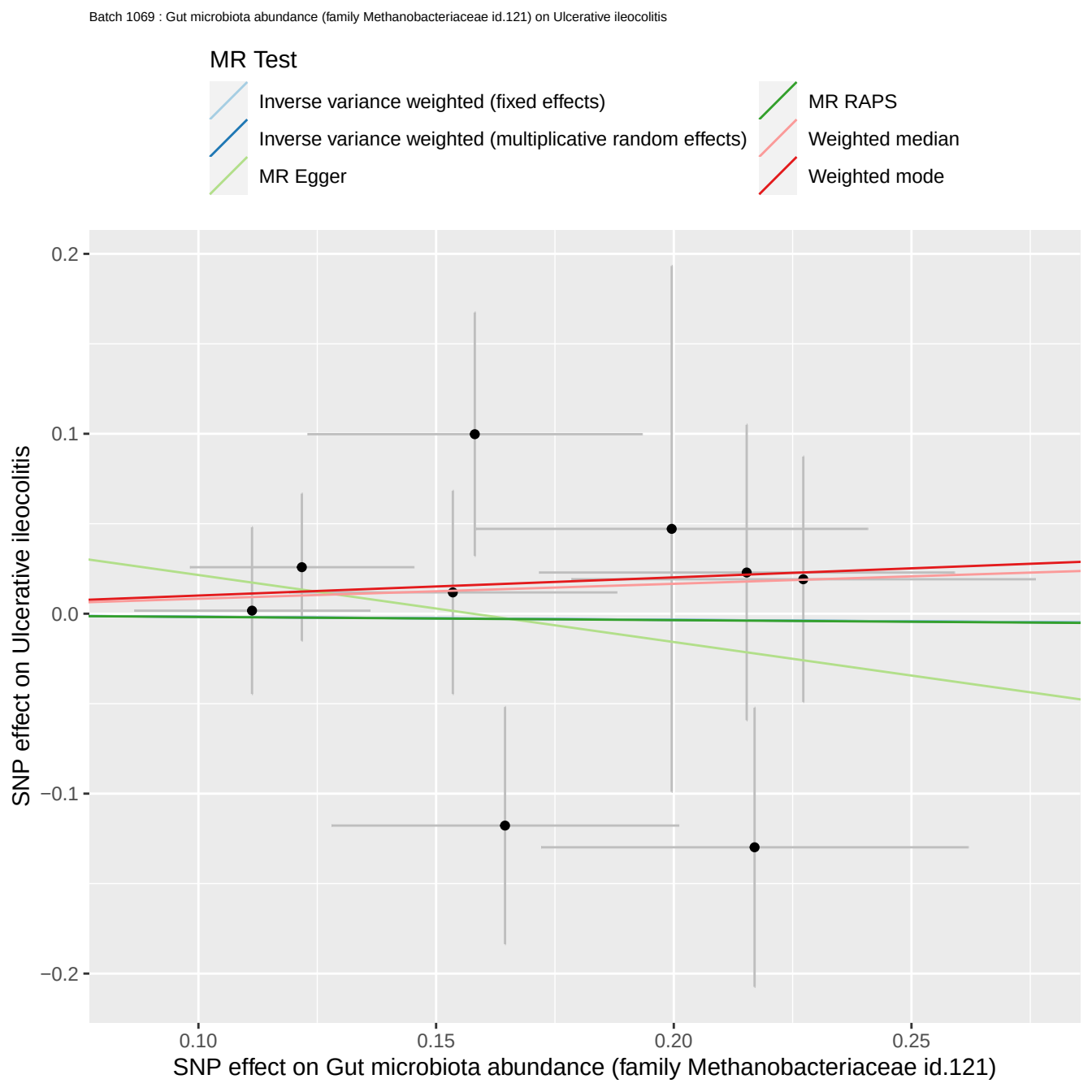

Batch 1064 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Erysipelotrichaceae id.2149)

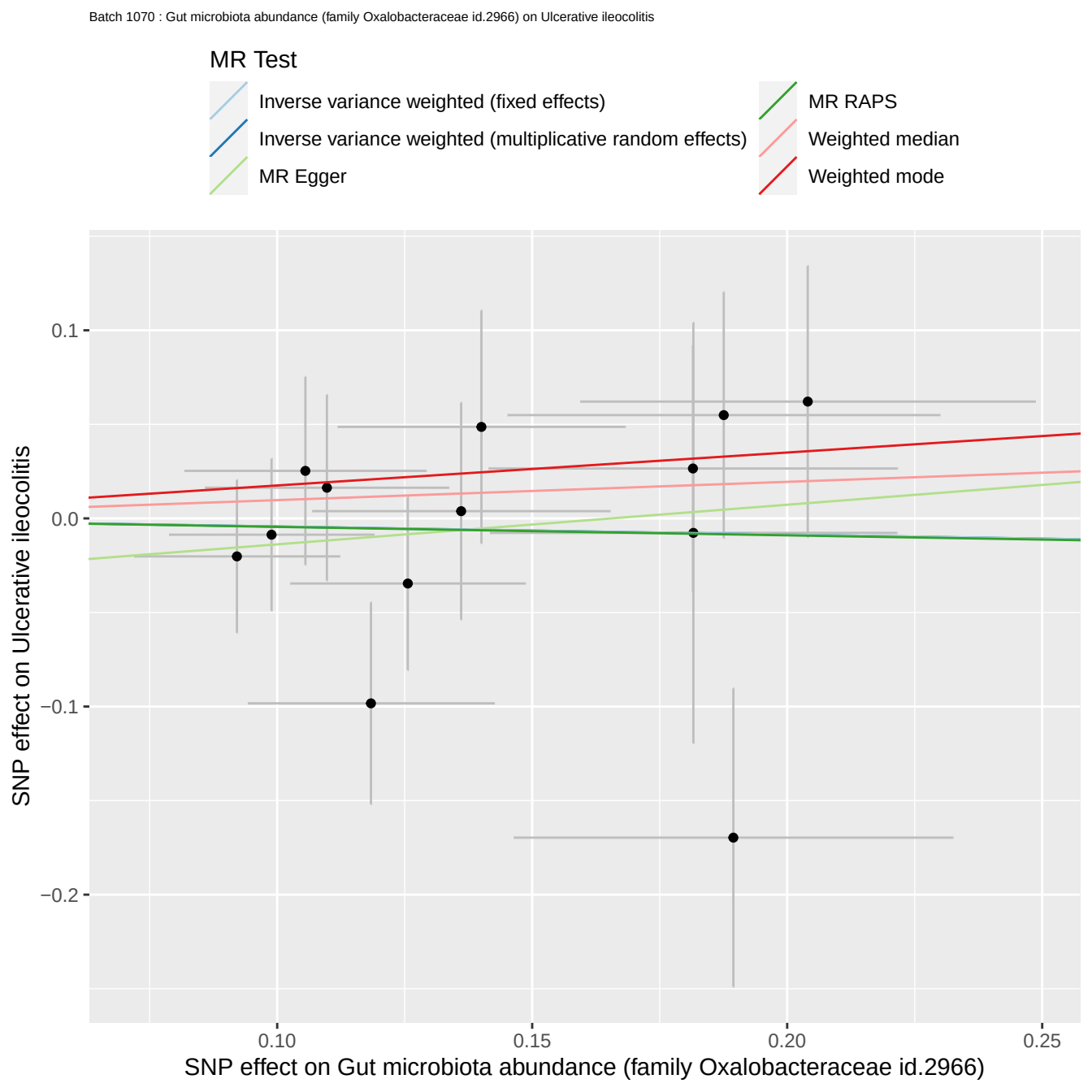

Batch 1065 : Gut microbiota abundance (family Family XI id.1936) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

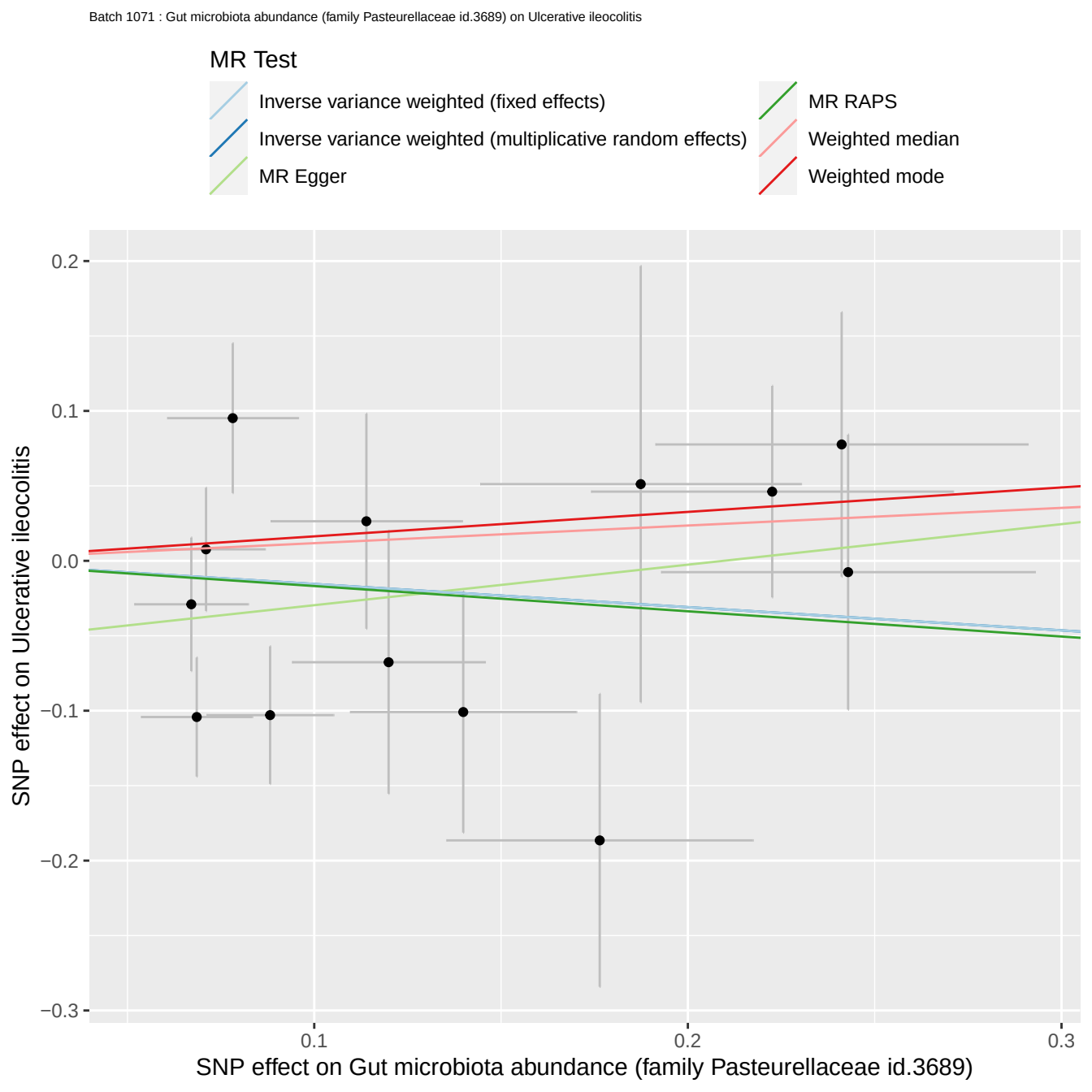

Batch 1066 : Gut microbiota abundance (family Family XIII id.1957) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Family XIII id.1957)

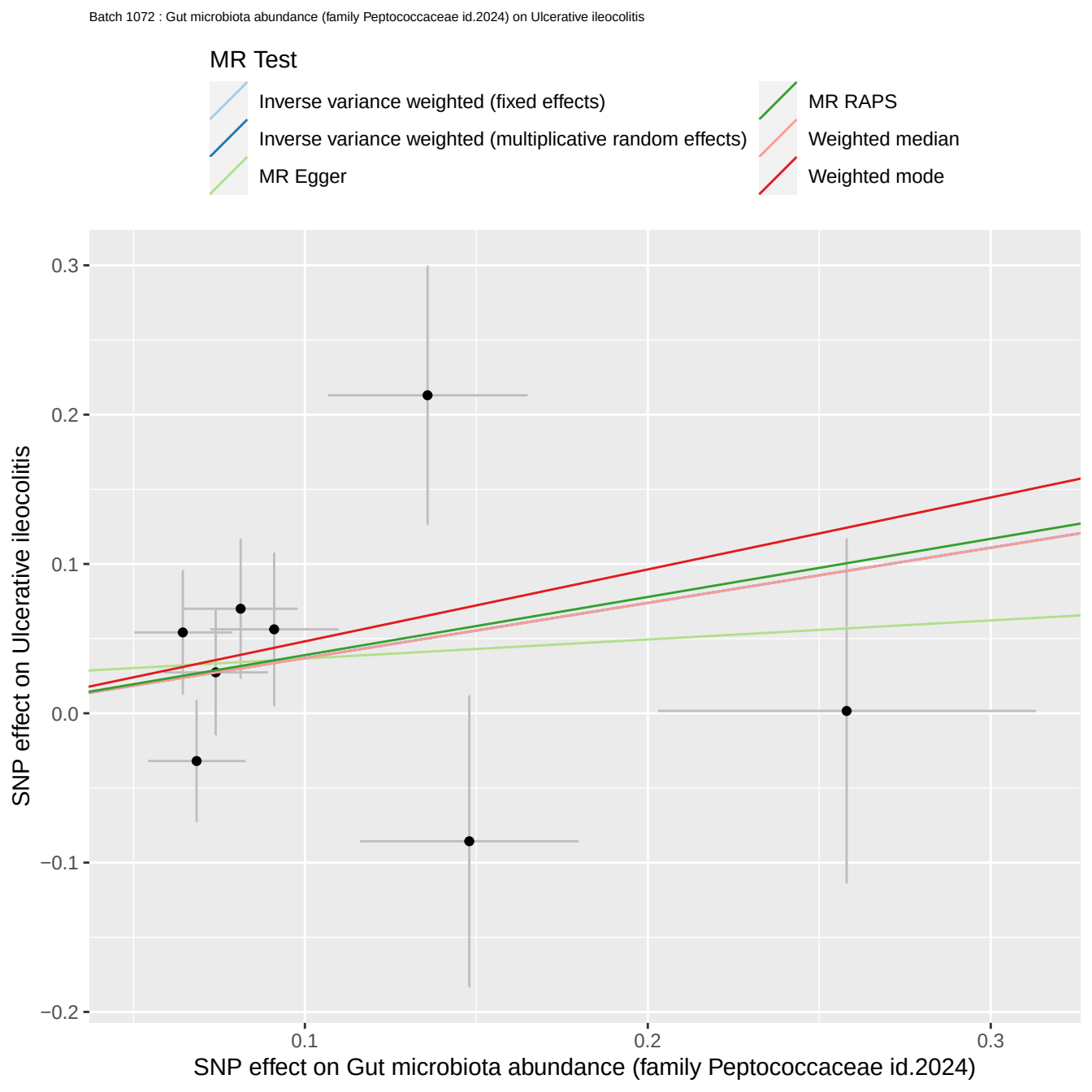

Batch 1067 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)

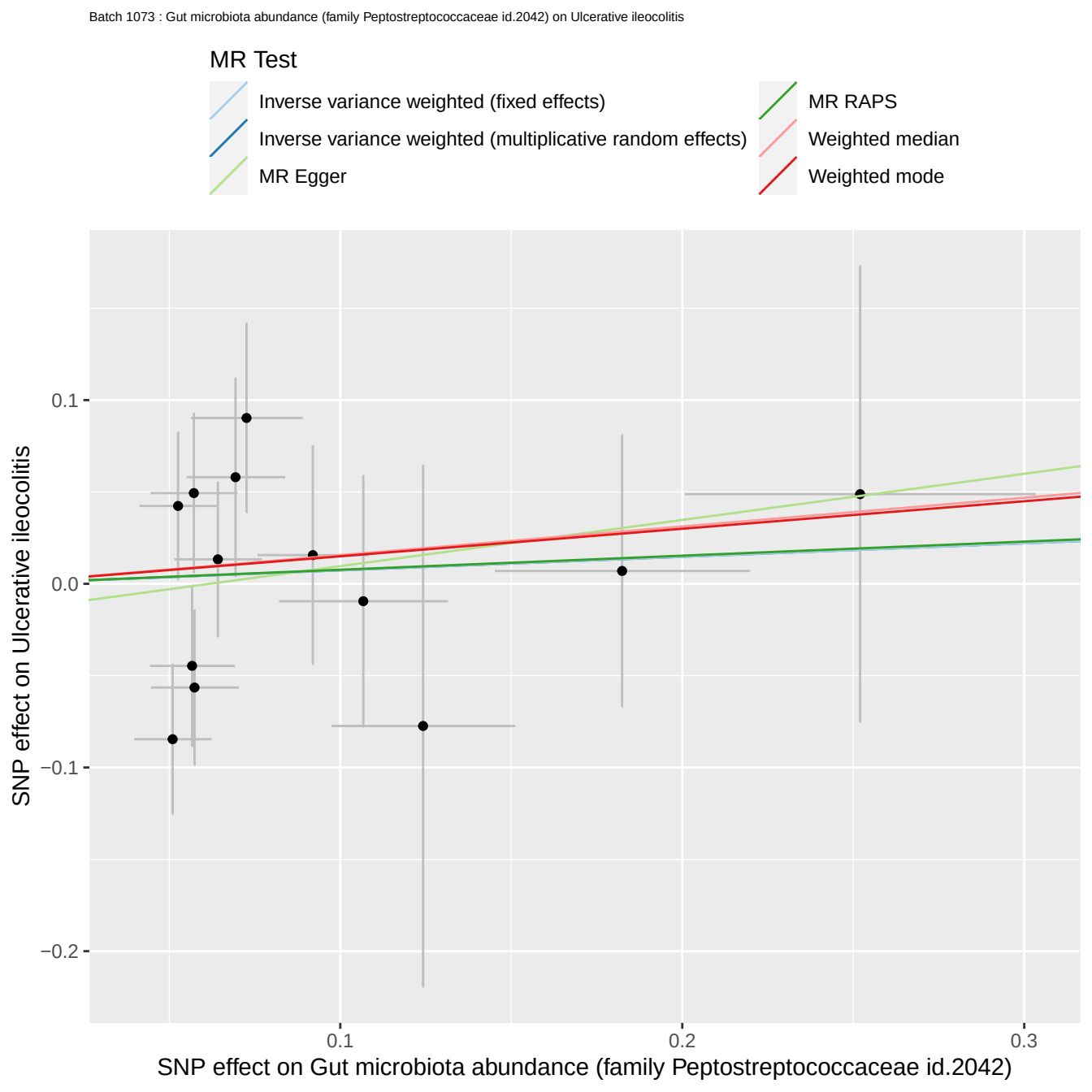

Batch 1068 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

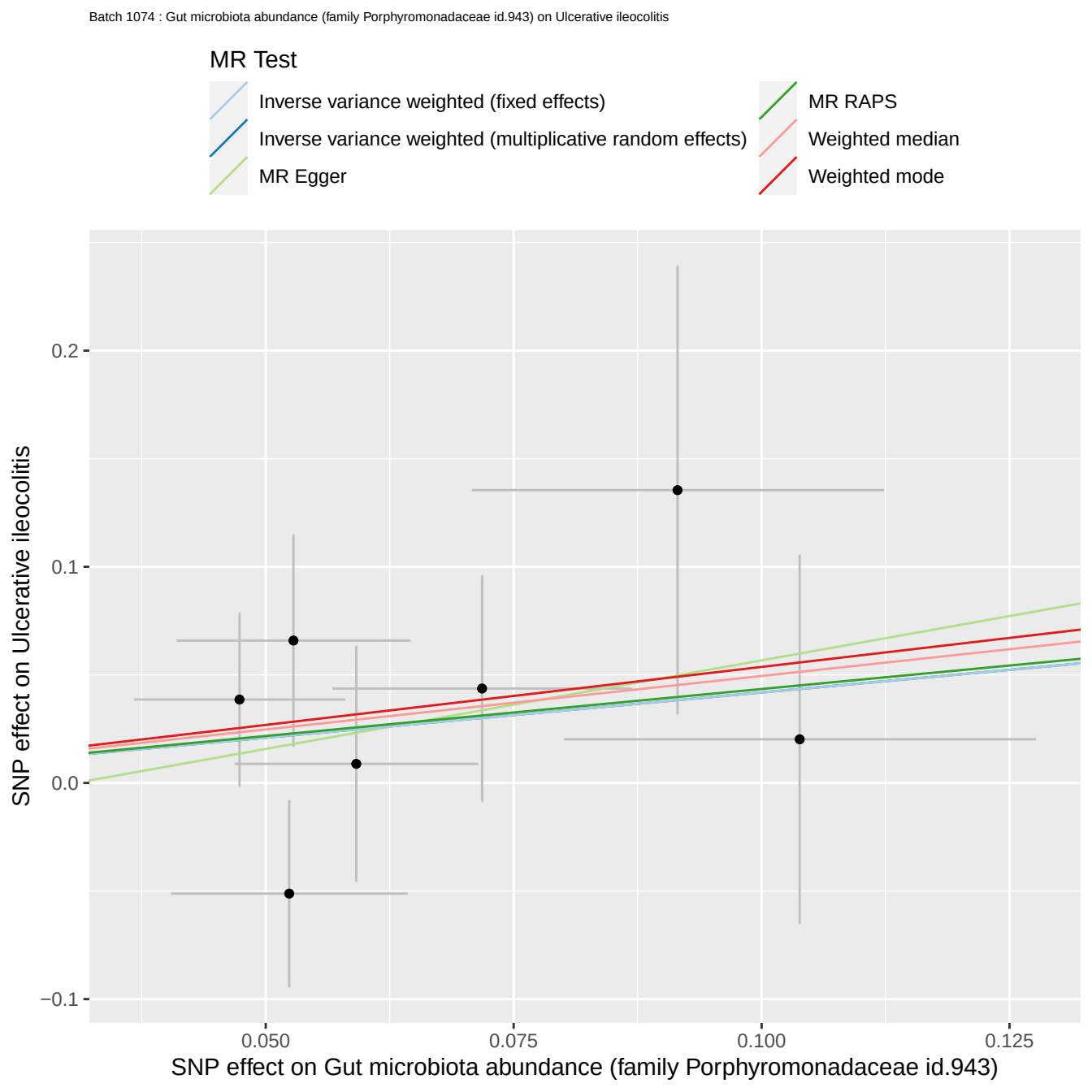

Batch 1069 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

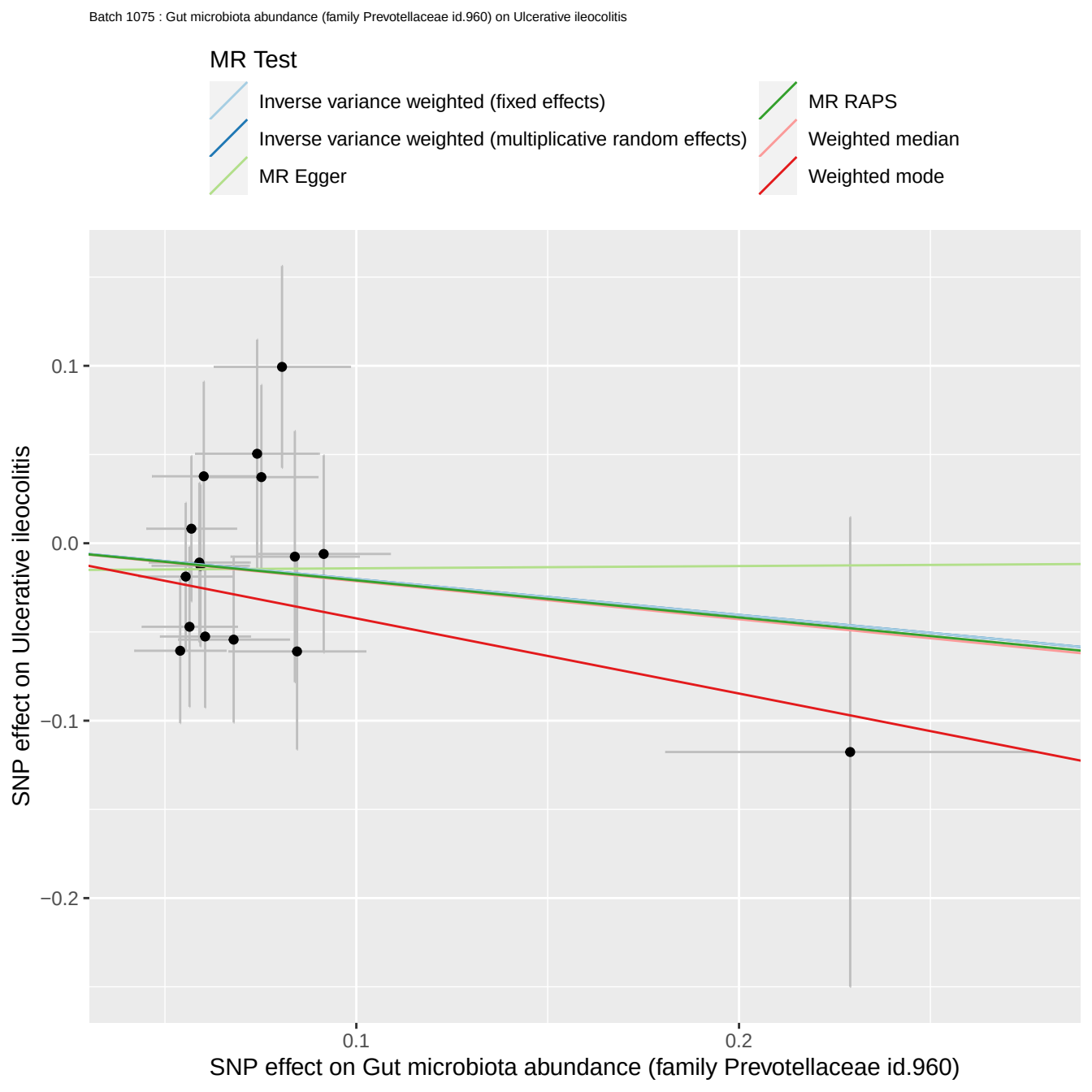

Batch 1070 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)

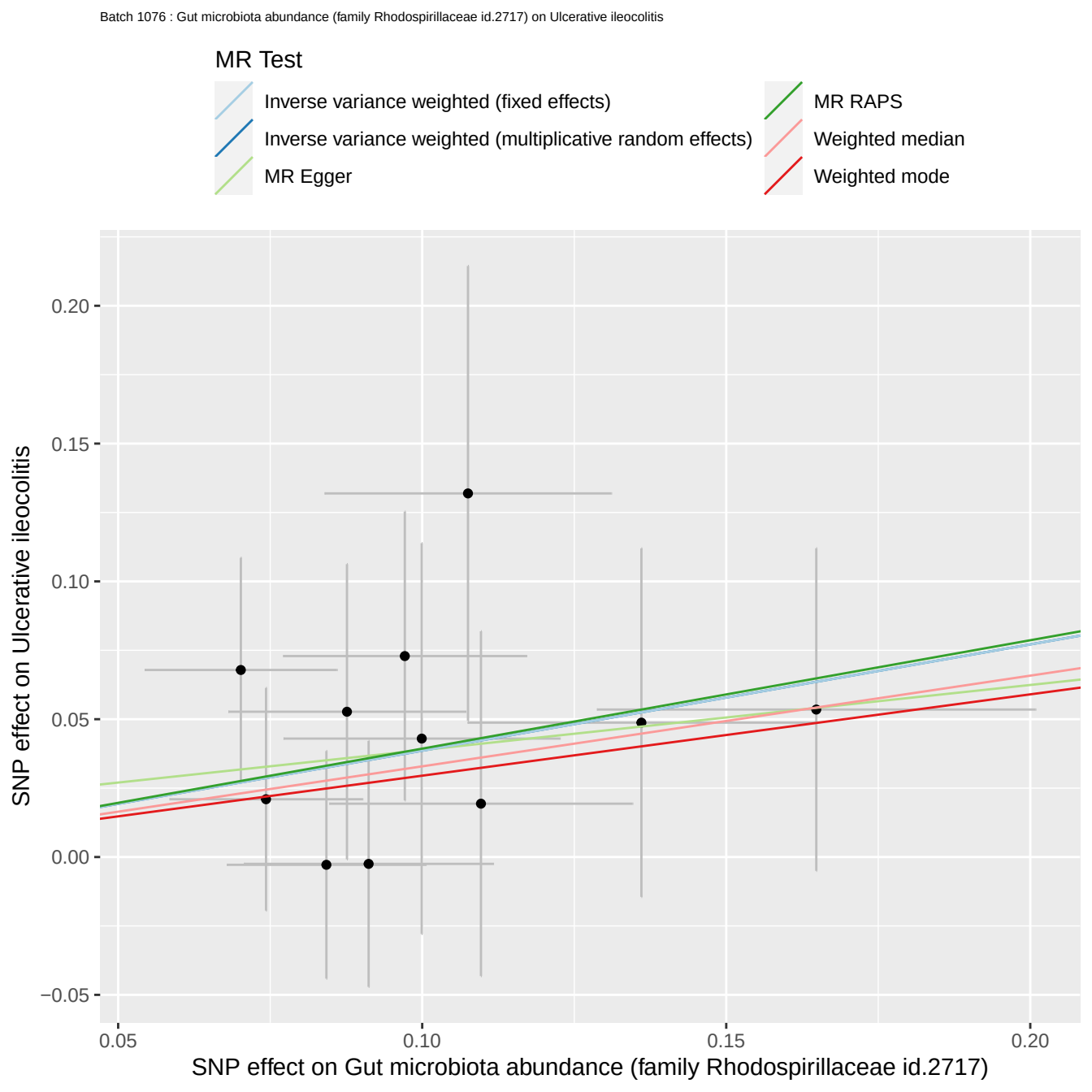

Batch 1071 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

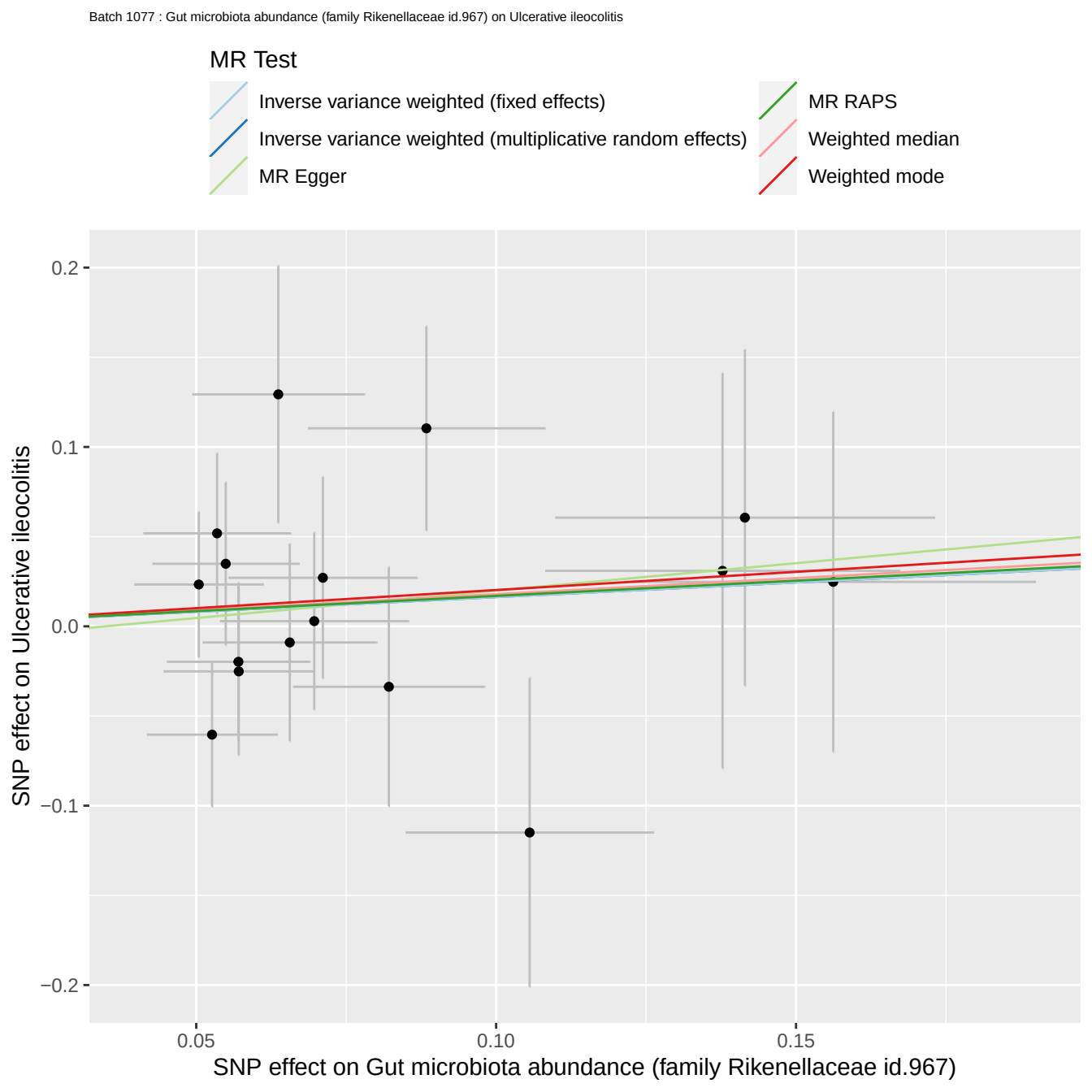

Batch 1072 : Gut microbiota abundance (family Peptococcaceae id.2024) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)


Batch 1073 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

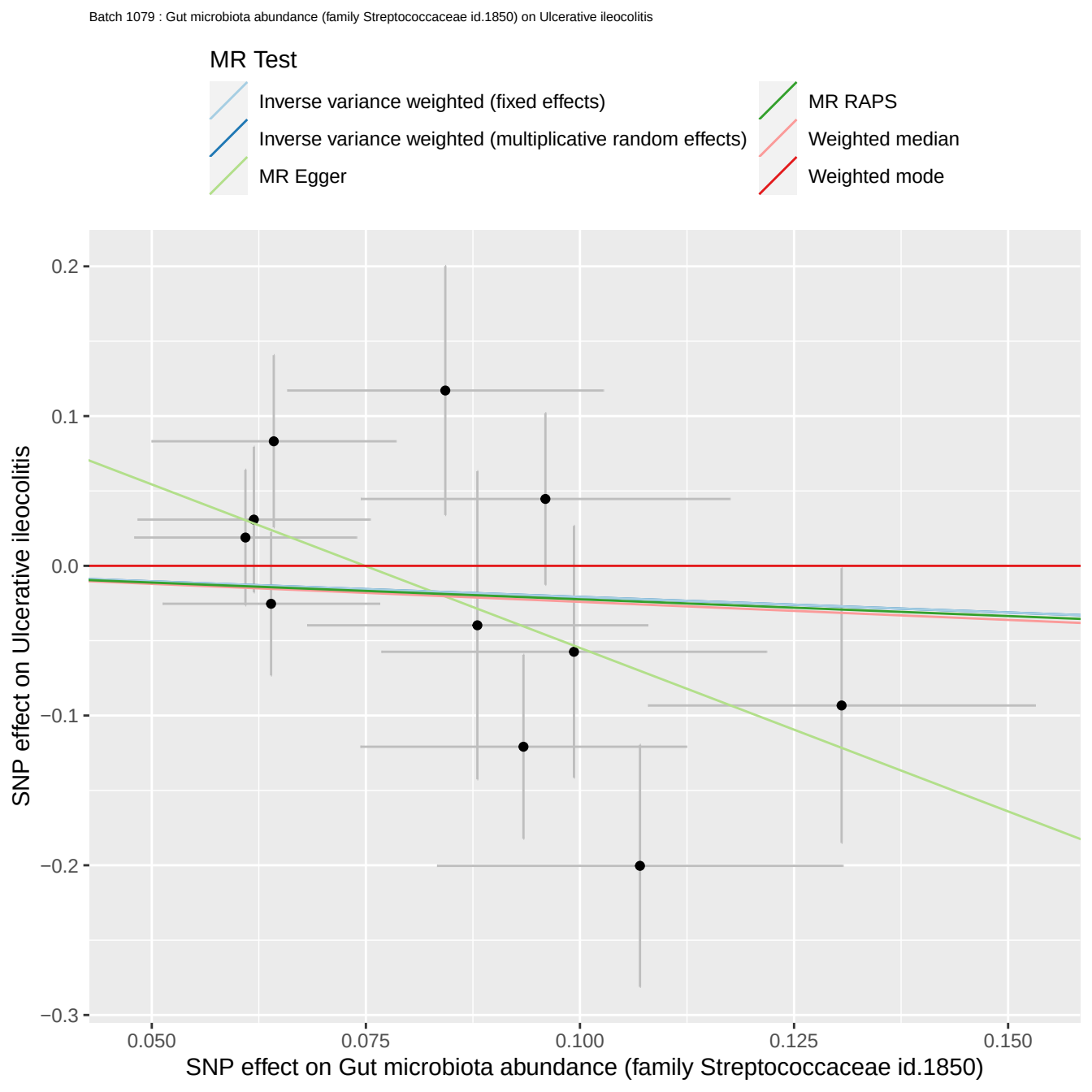

Batch 1074 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

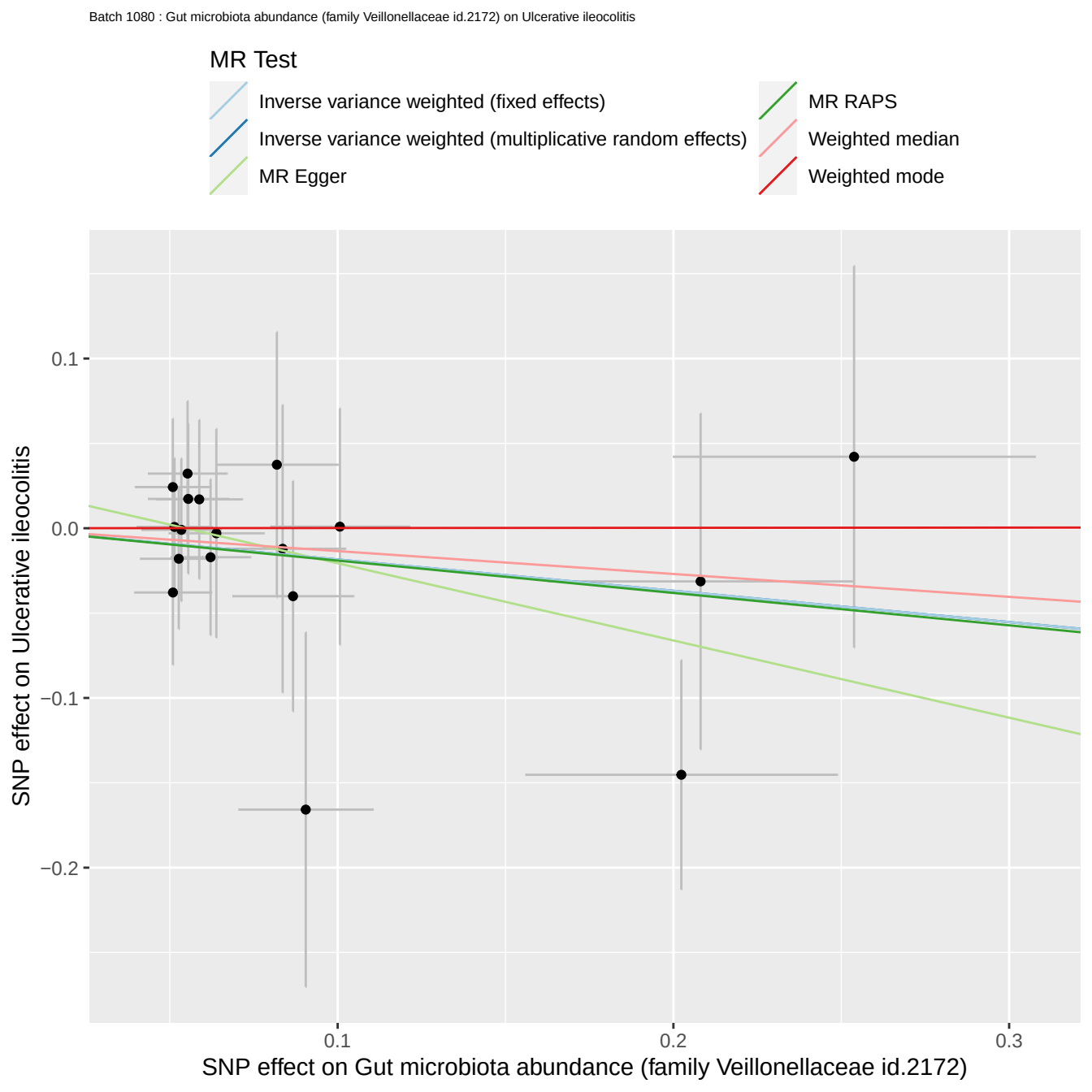

Batch 1075 : Gut microbiota abundance (family Prevotellaceae id.960) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

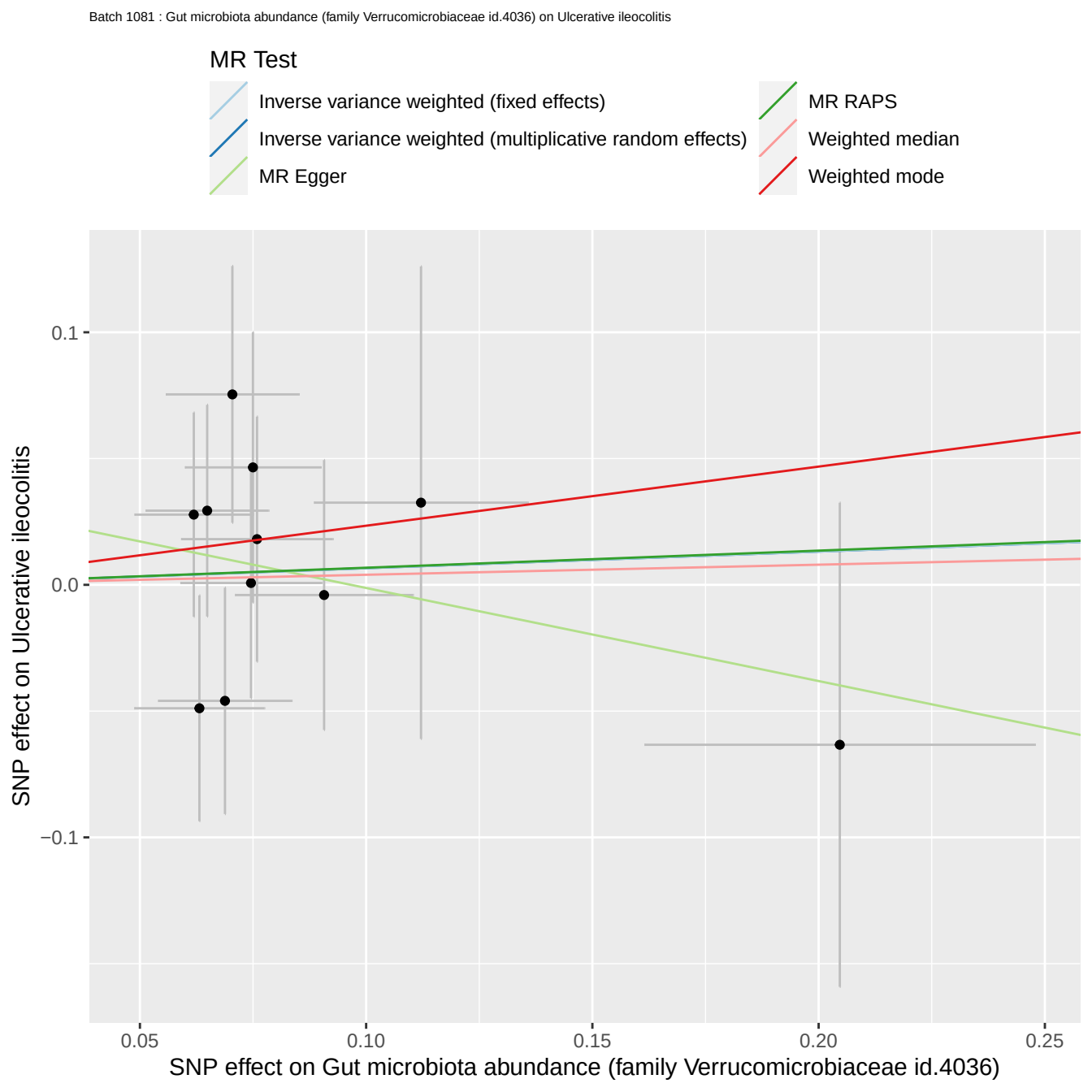

Batch 1076 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.20
0.15
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)


Batch 1077 : Gut microbiota abundance (family Rikenellaceae id.967) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

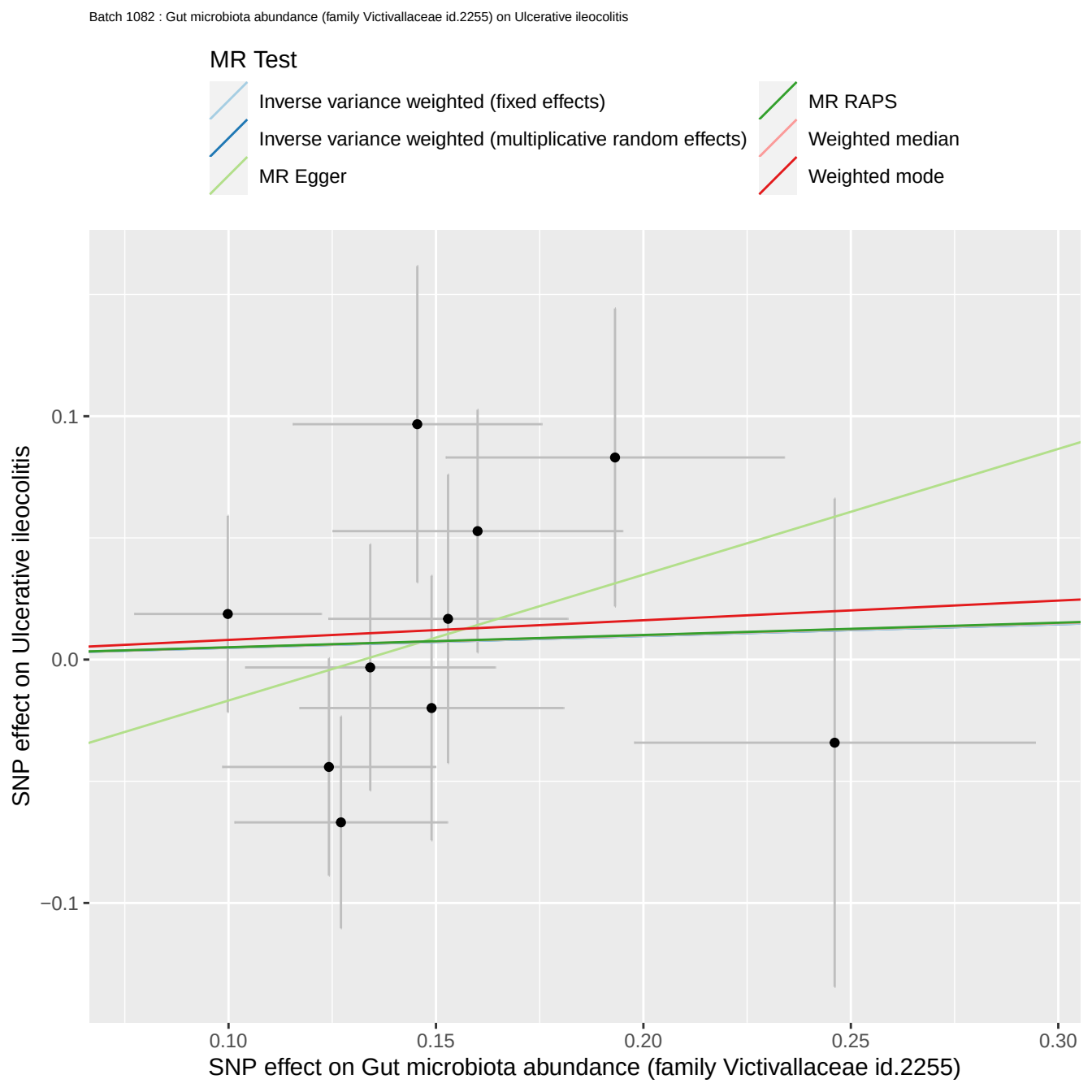
Batch 1078 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

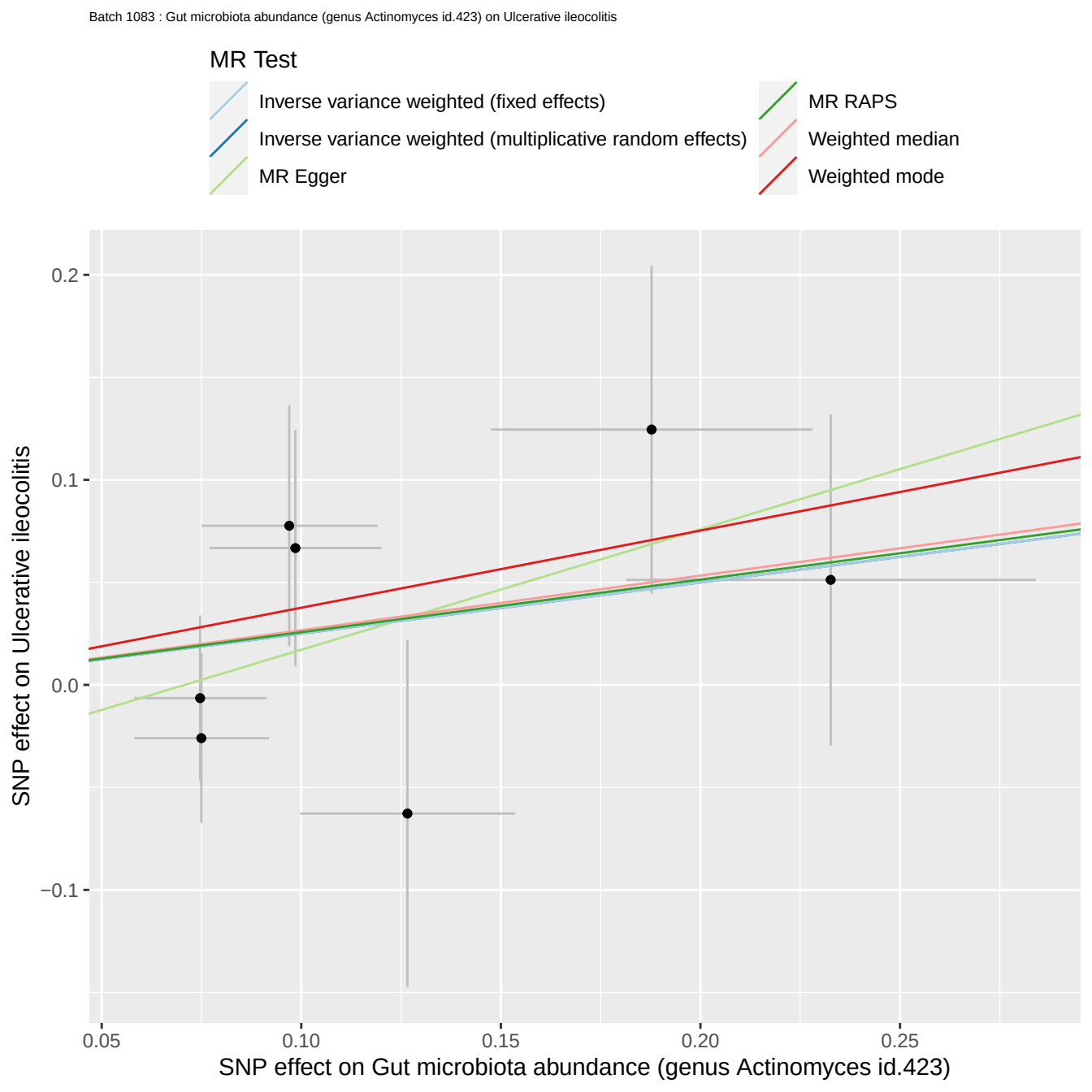

Batch 1079 : Gut microbiota abundance (family Streptococcaceae id.1850) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

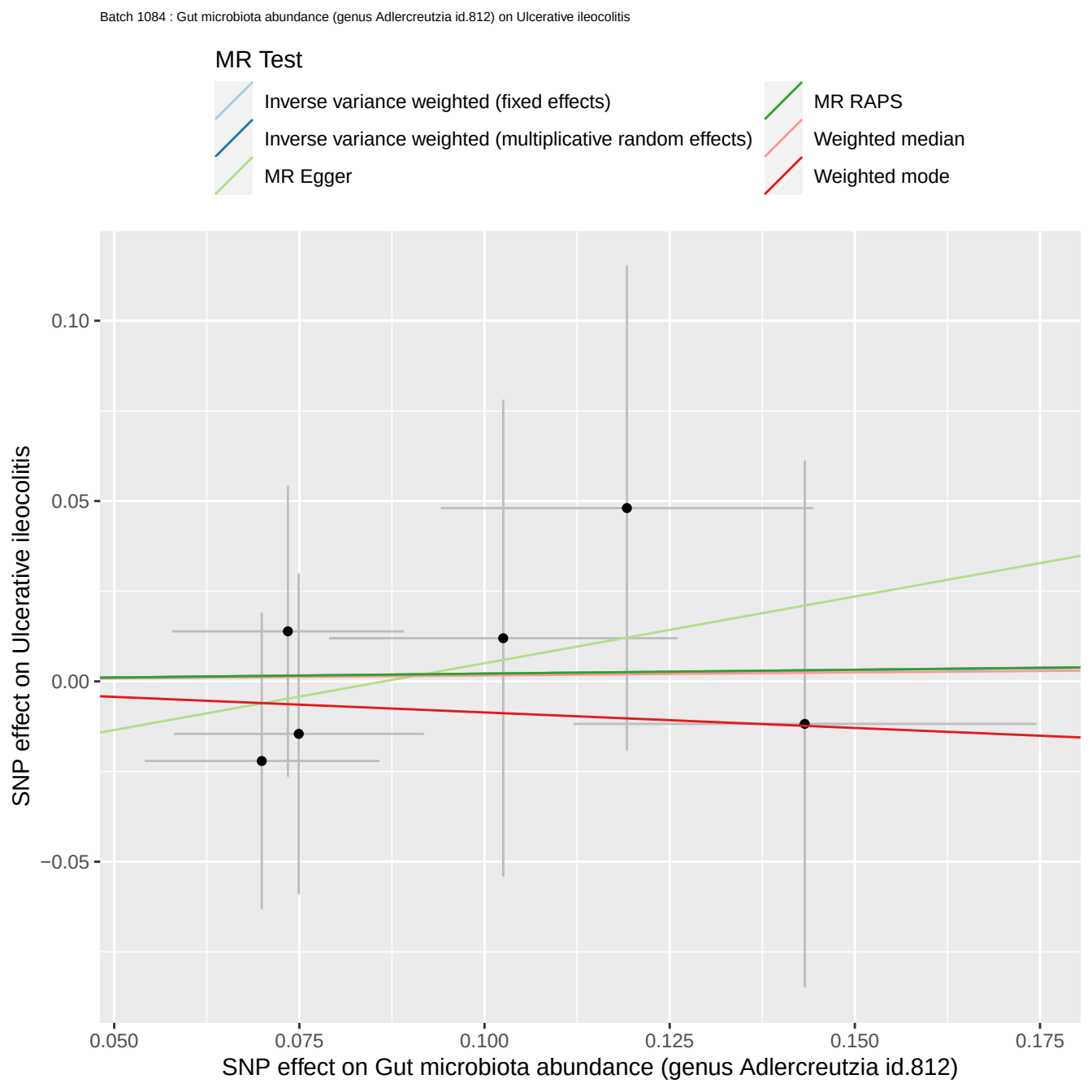

Batch 1080 : Gut microbiota abundance (family Veillonellaceae id.2172) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

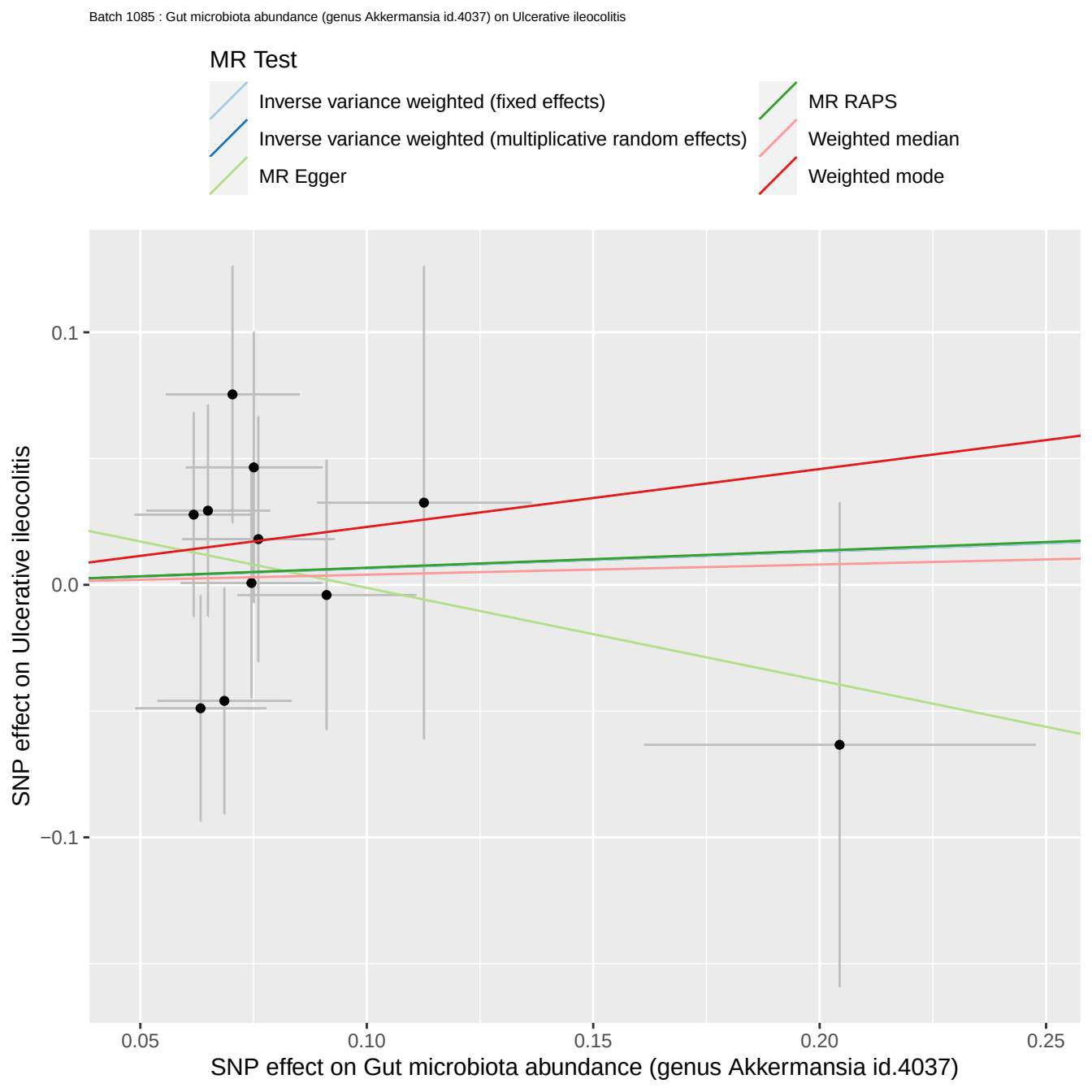

Batch 1081 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

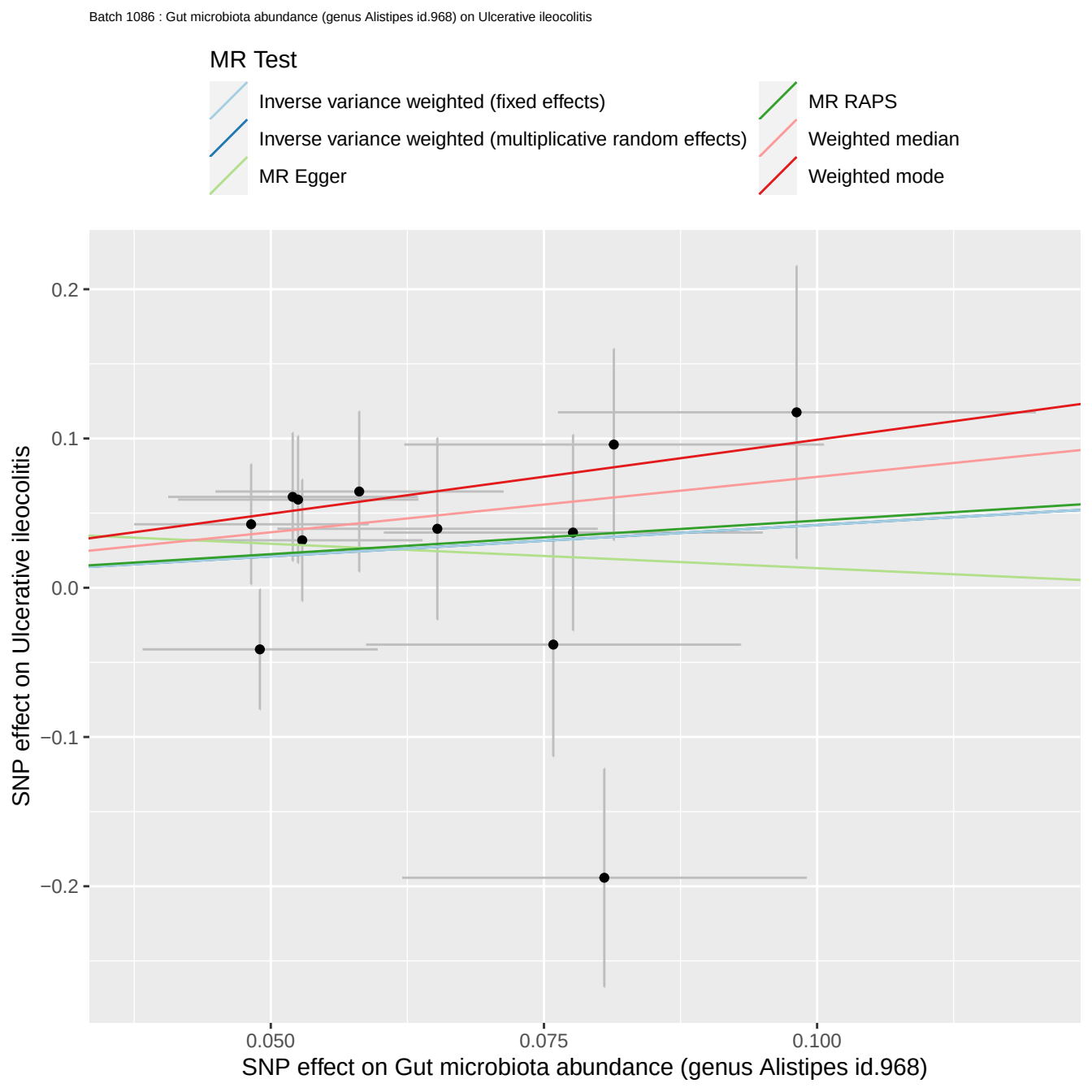
Batch 1082 : Gut microbiota abundance (family Victivallaceae id.2255) on Ulcerative ileocolitis

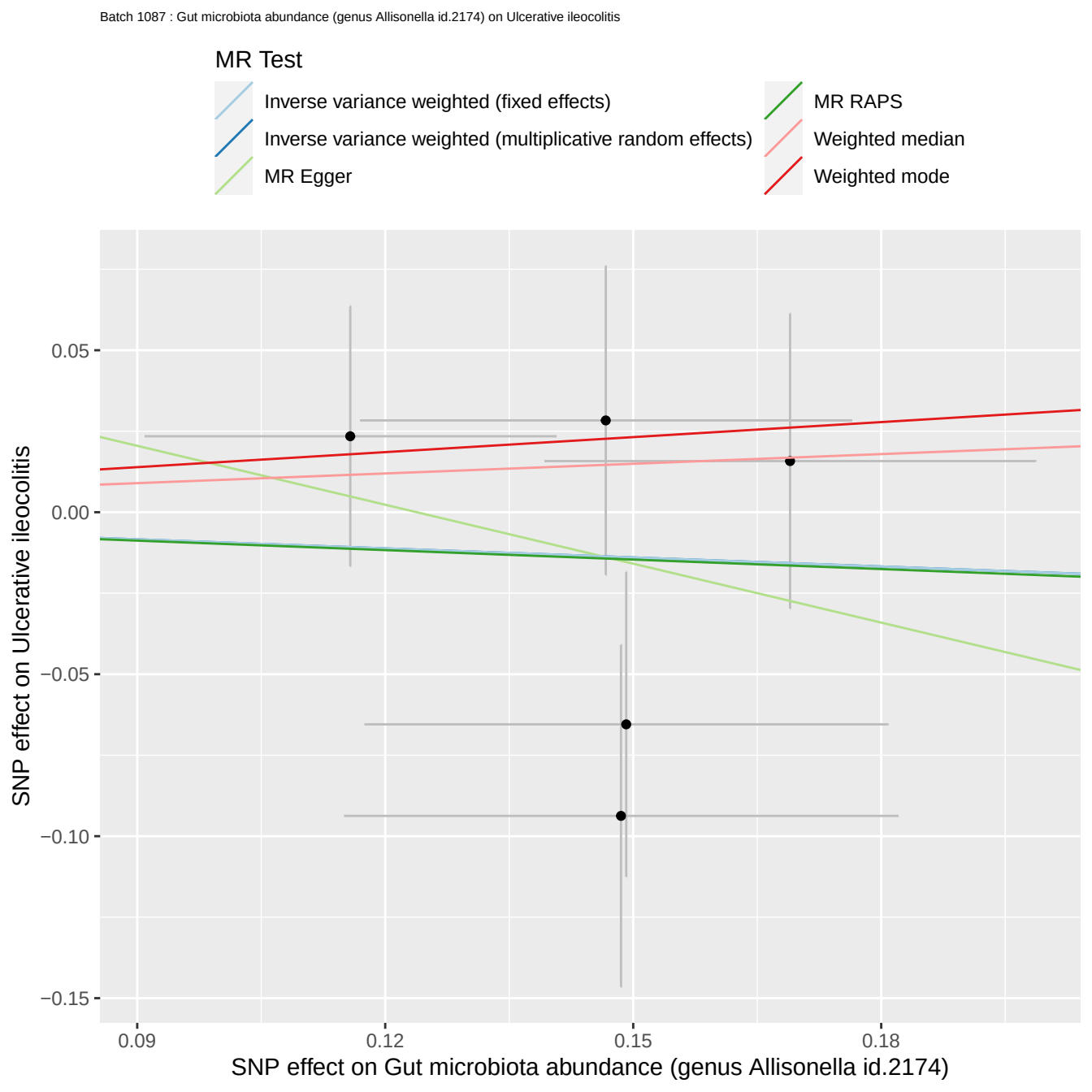



Batch 1083 : Gut microbiota abundance (genus Actinomyces id.423) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

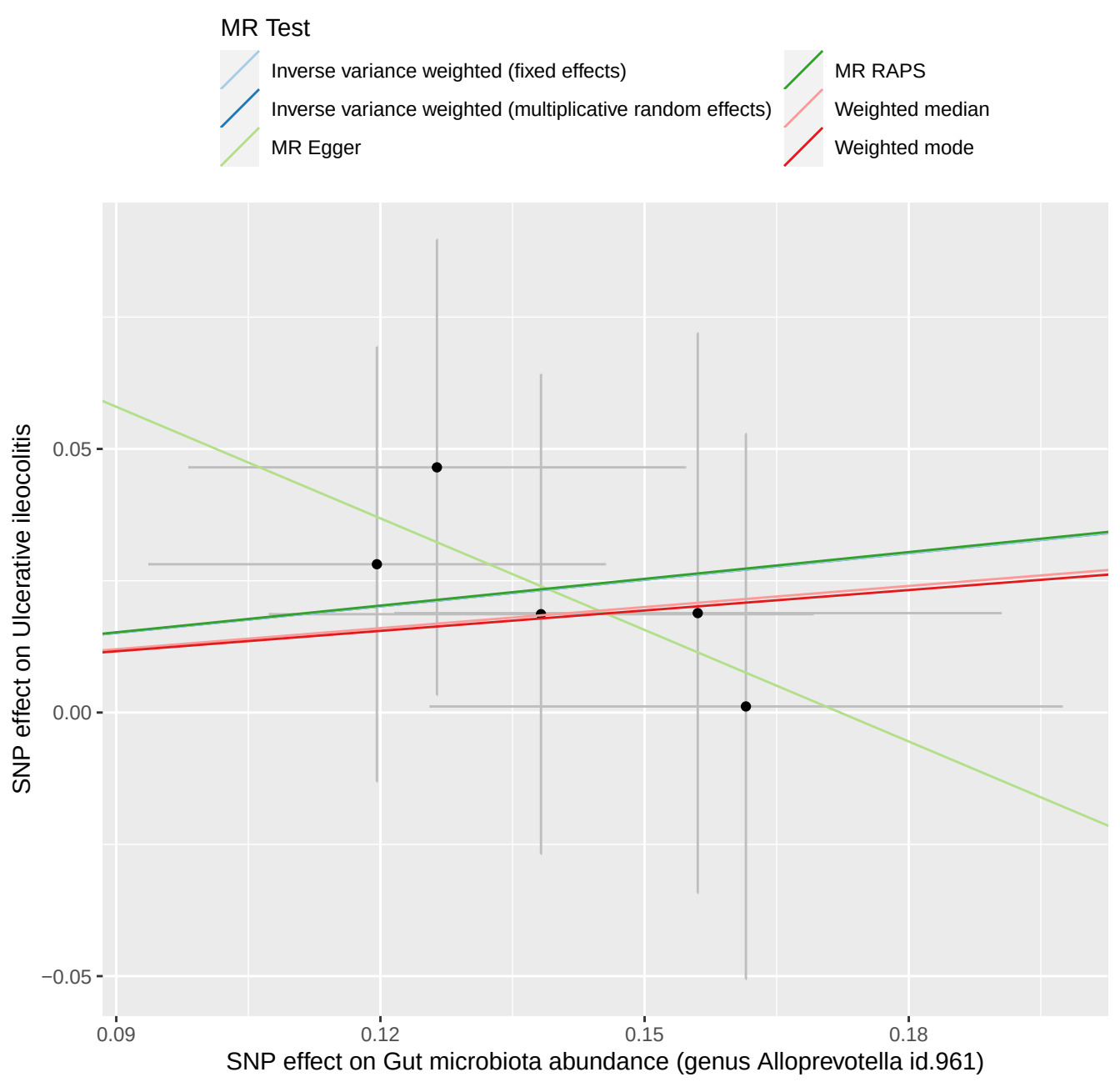

Batch 1084 : Gut microbiota abundance (genus Adlercreutzia id.812) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

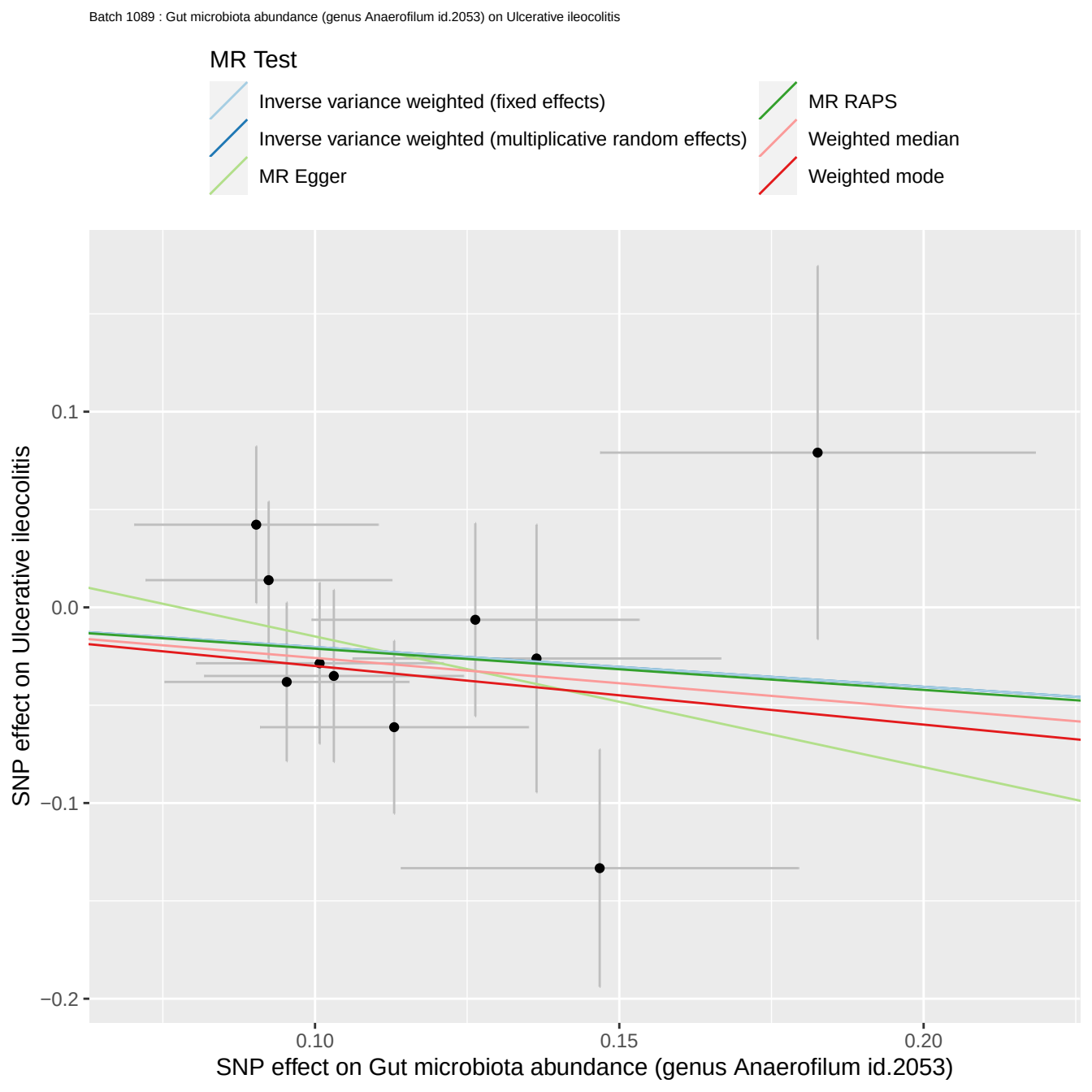

Batch 1085 : Gut microbiota abundance (genus Akkermansia id.4037) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

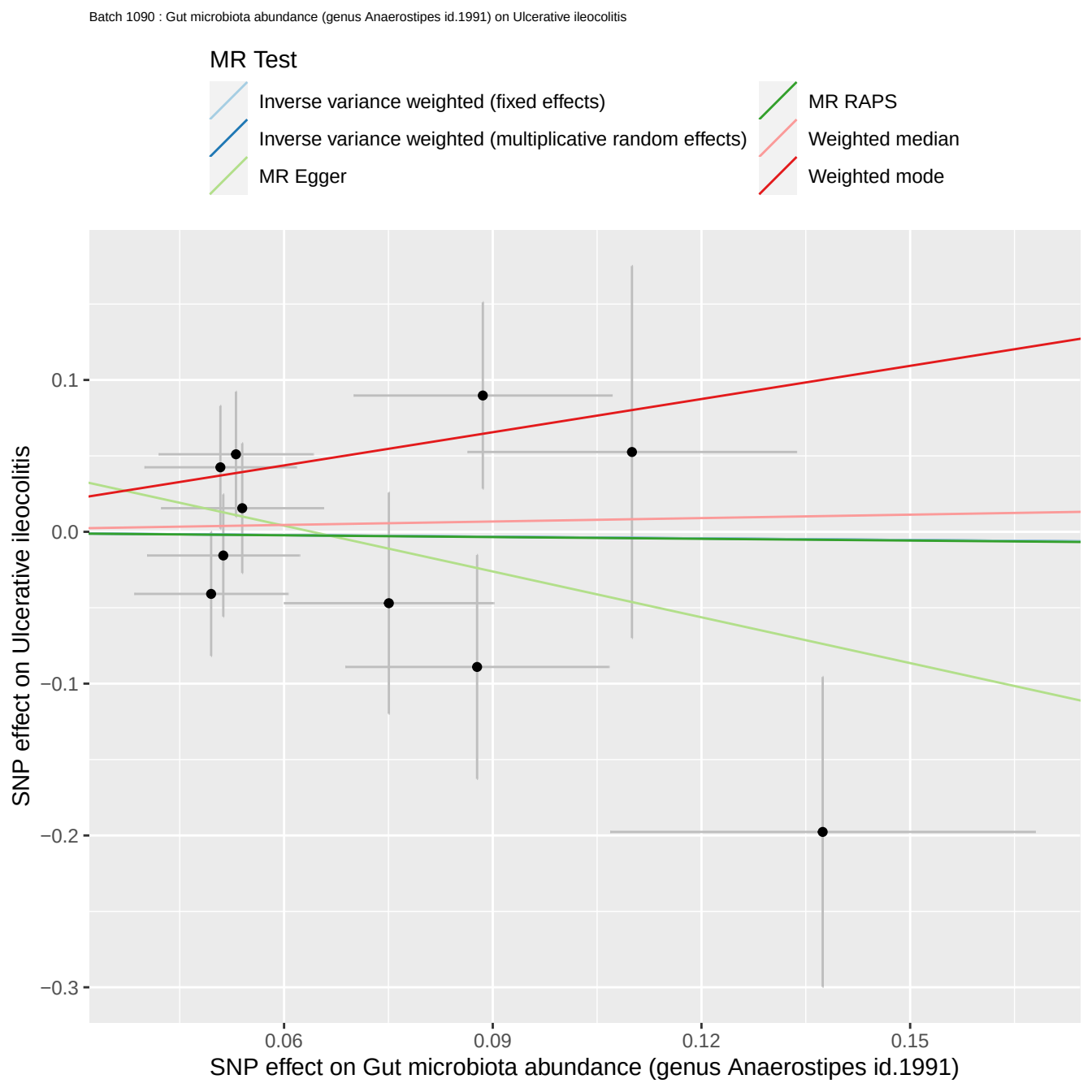

Batch 1086 : Gut microbiota abundance (genus Alistipes id.968) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)

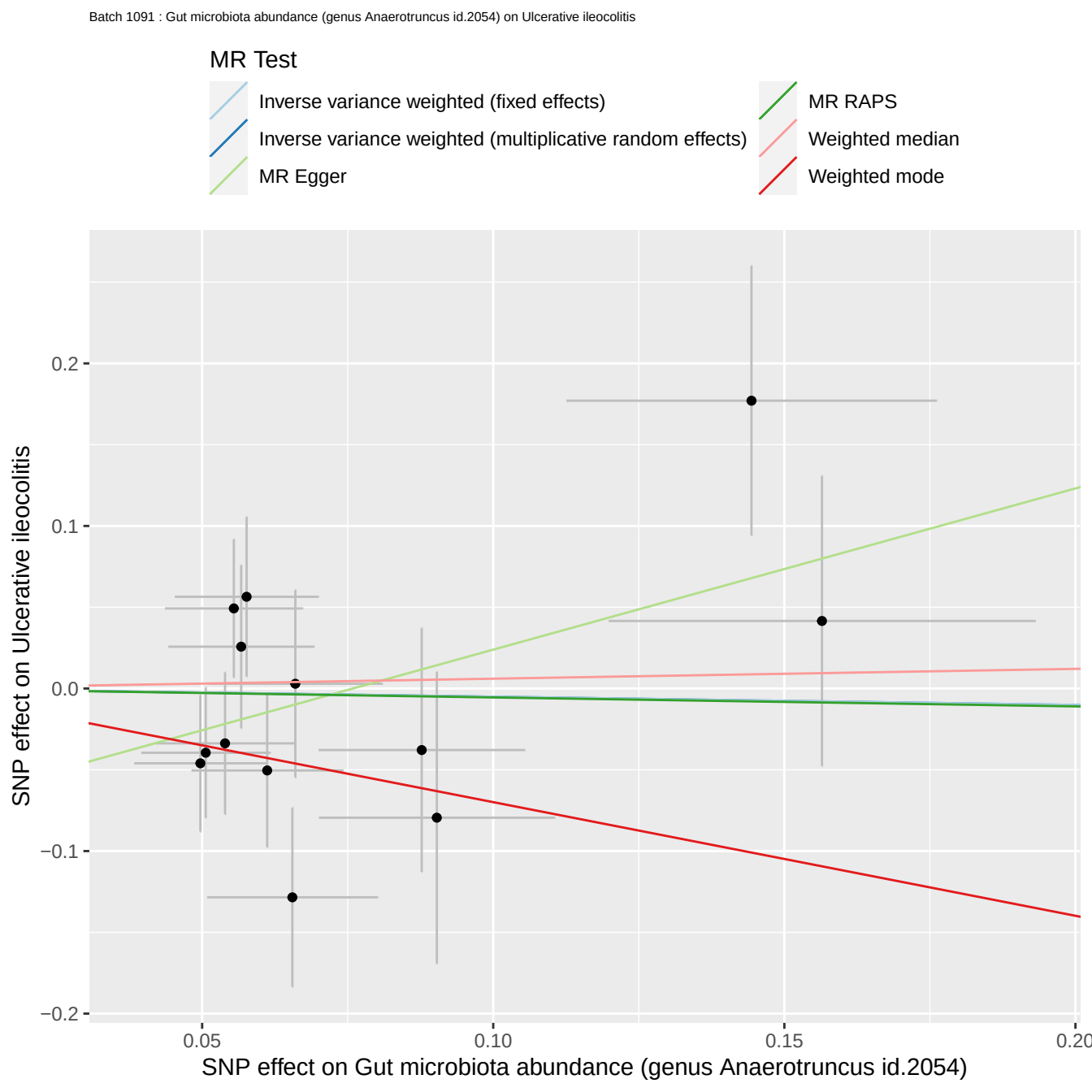

Batch 1087 : Gut microbiota abundance (genus Allisonella id.2174) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.05
0.00
−0.05
−0.10
−0.15
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

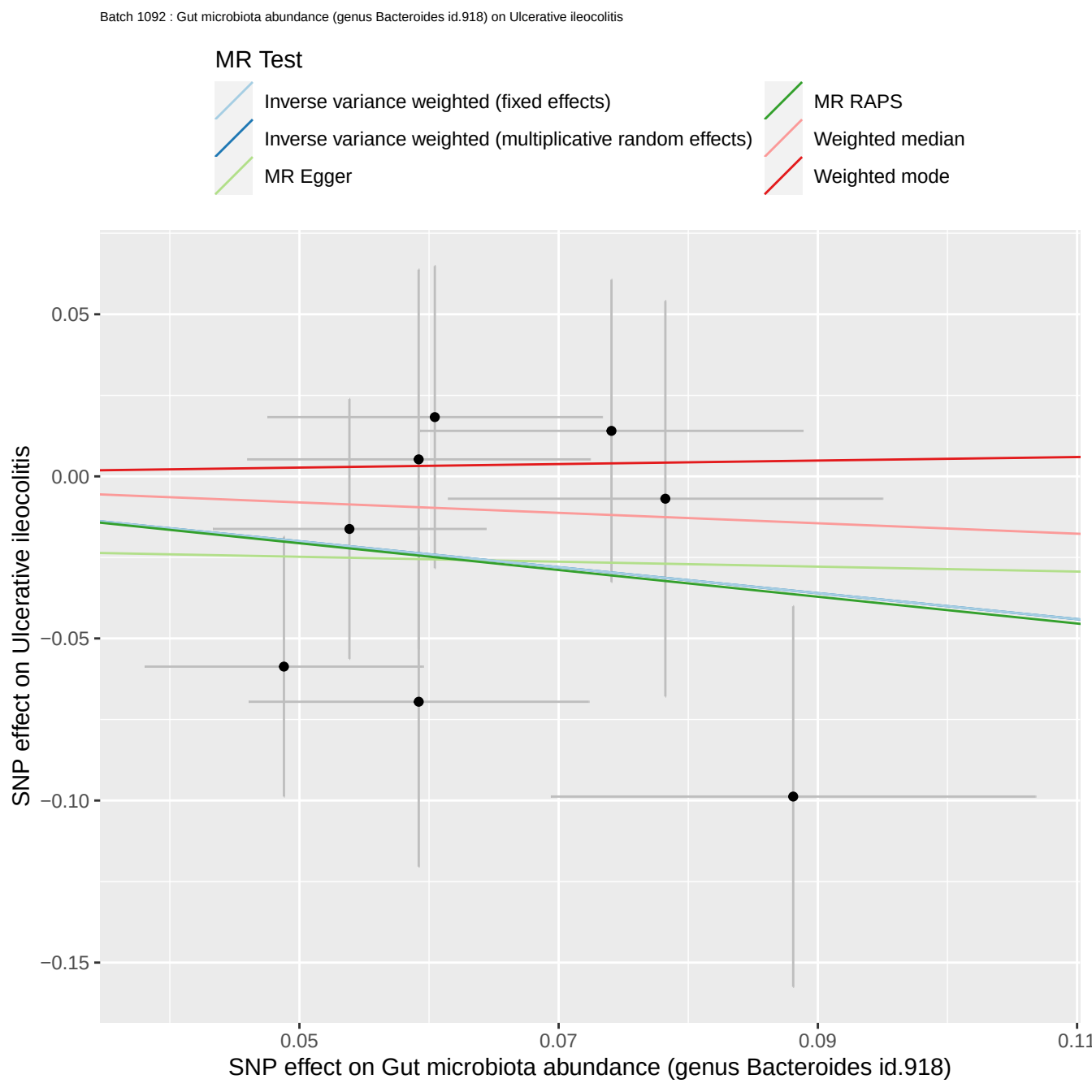
Batch 1088 : Gut microbiota abundance (genus Alloprevotella id.961) on Ulcerative ileocolitis

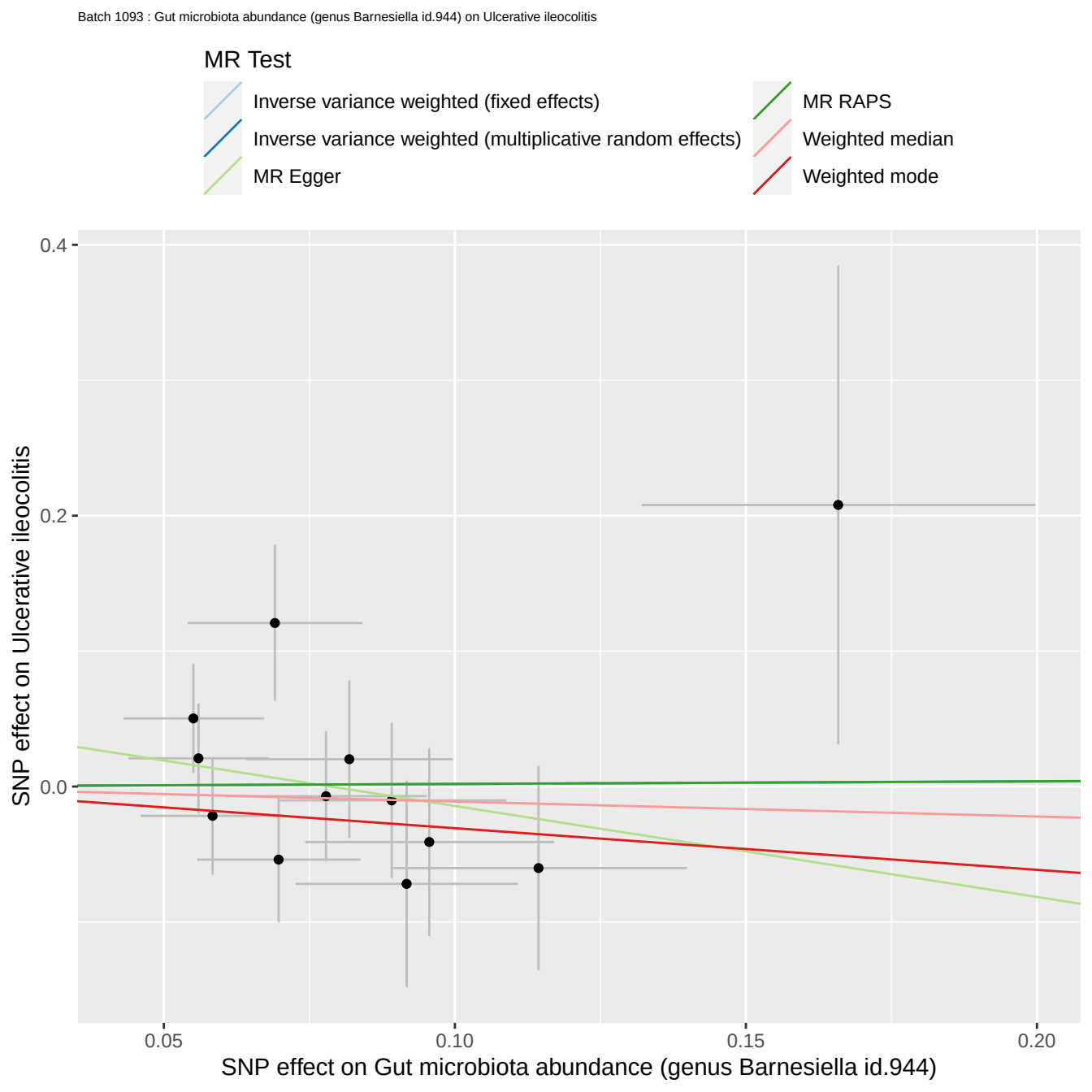


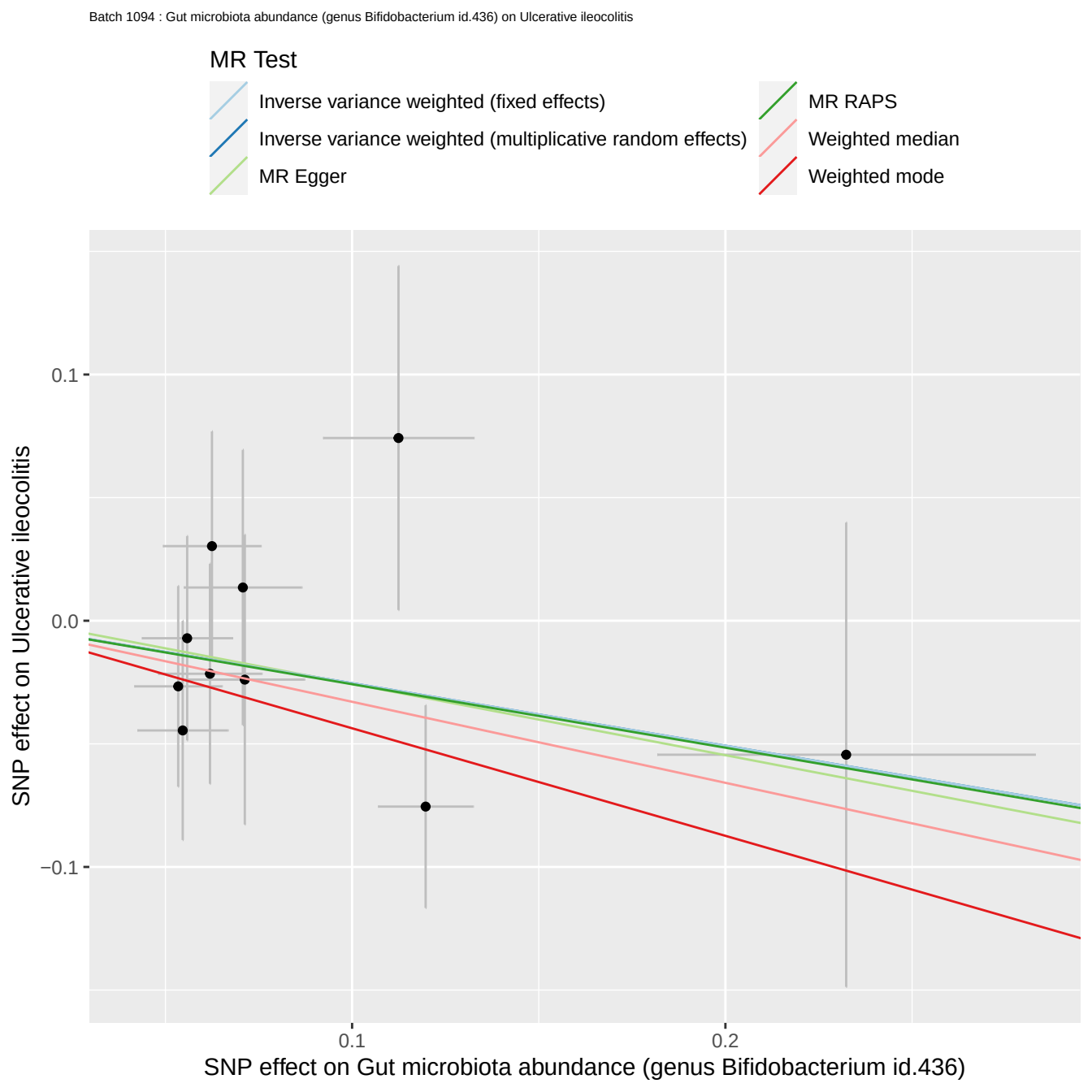

Batch 1089 : Gut microbiota abundance (genus Anaerofilum id.2053) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

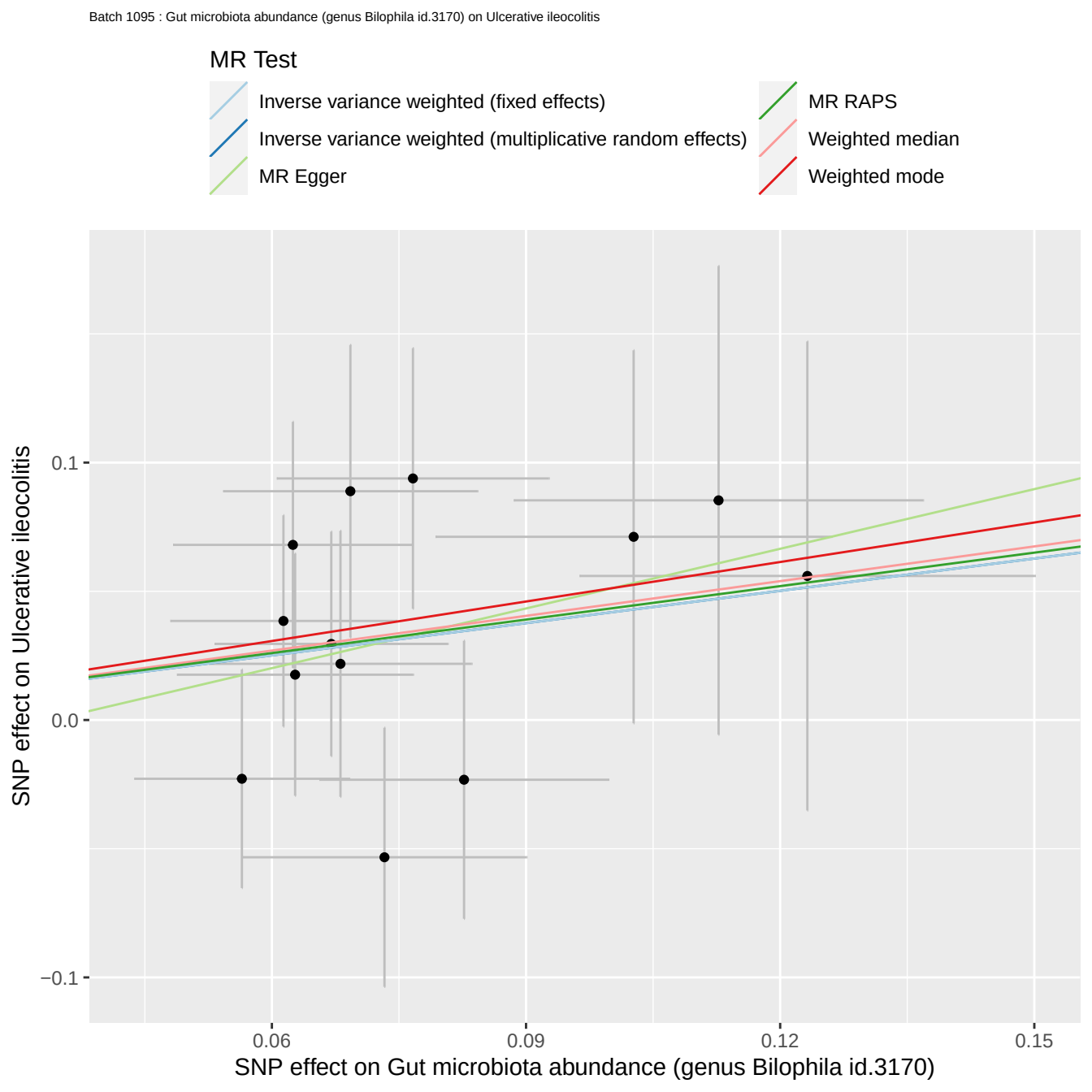

Batch 1090 : Gut microbiota abundance (genus Anaerostipes id.1991) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)


Batch 1091 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)

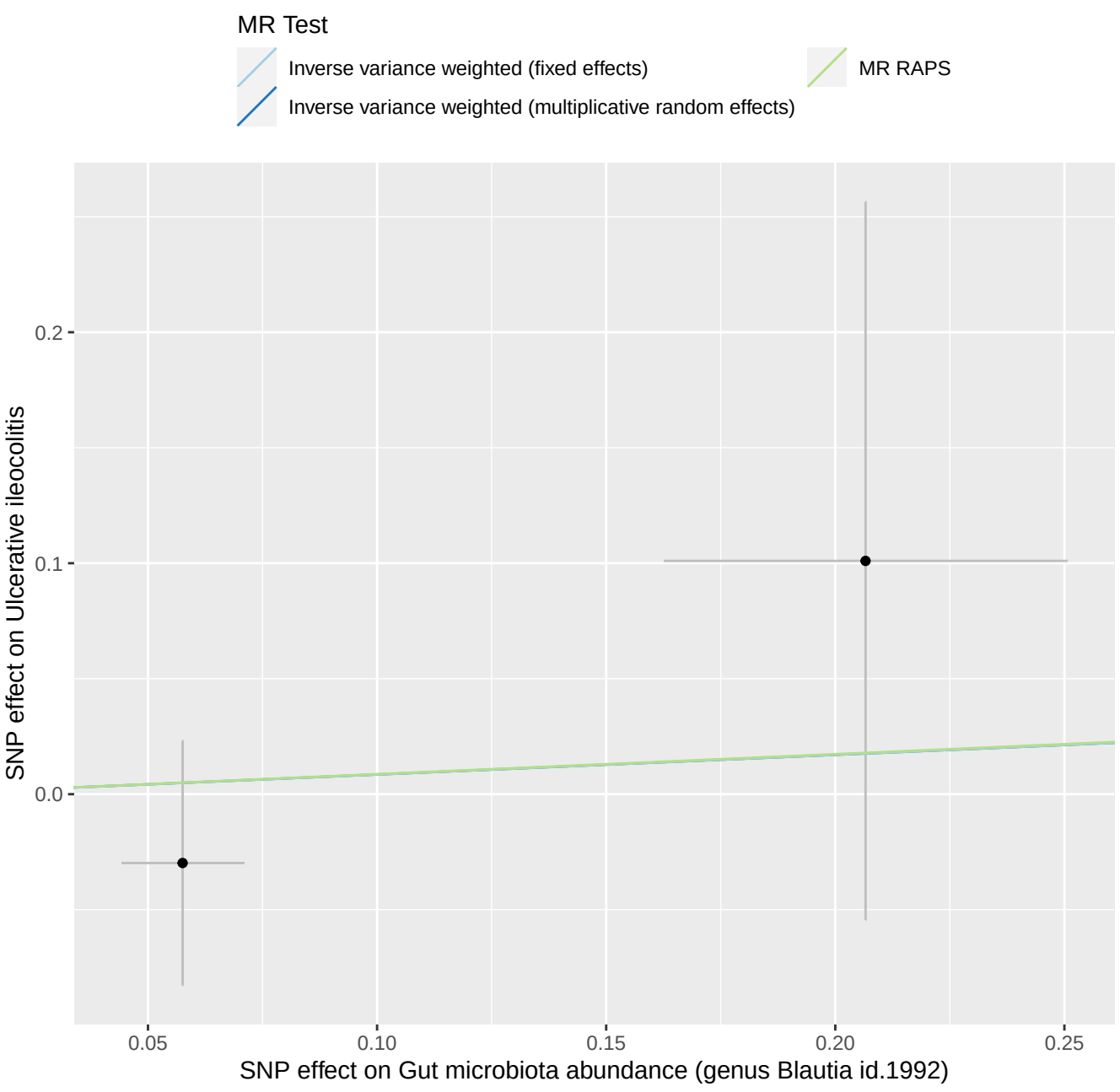

Batch 1092 : Gut microbiota abundance (genus Bacteroides id.918) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

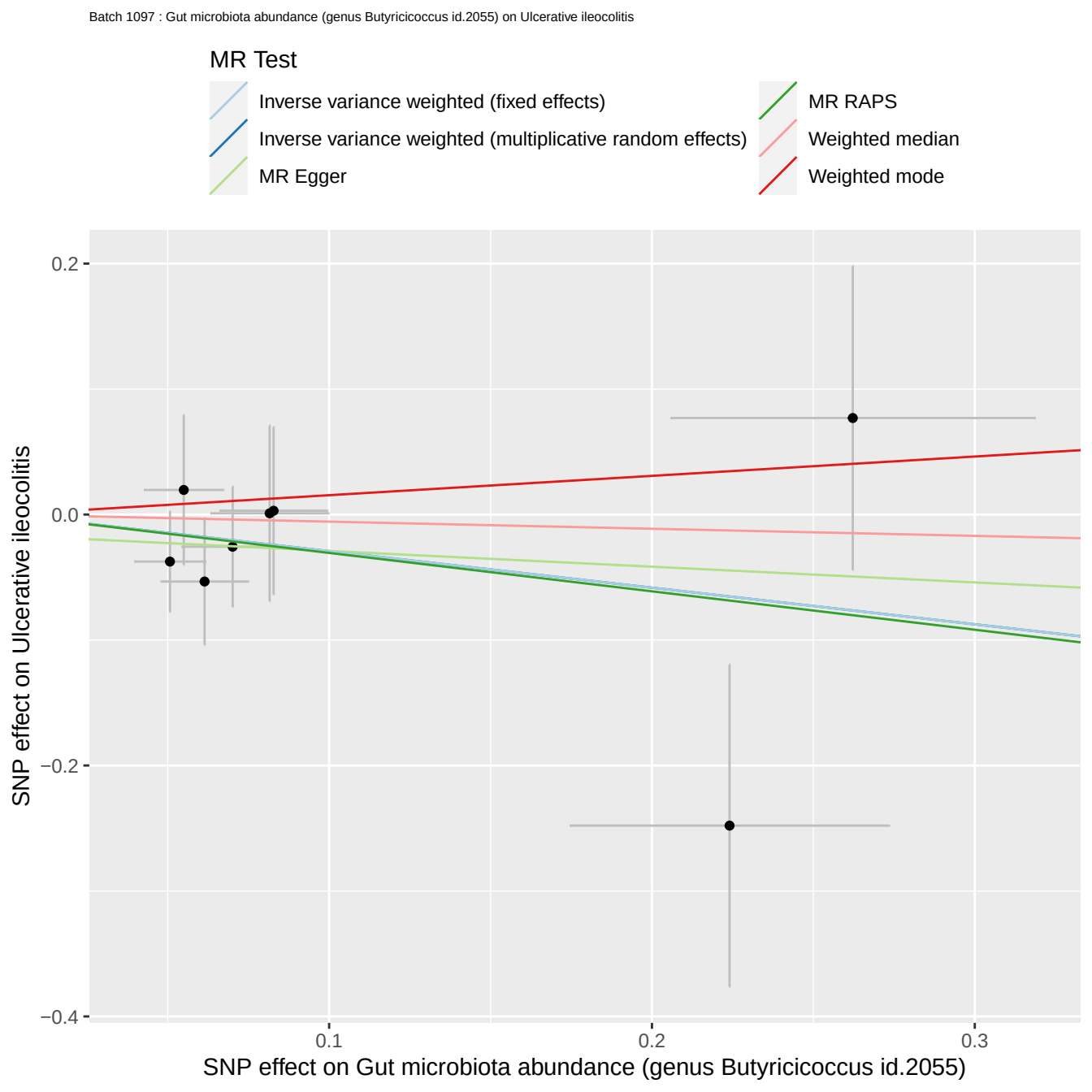

Batch 1093 : Gut microbiota abundance (genus Barnesiella id.944) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.4
0.2
0.0
SNP effect on Ulcerative ileocolitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

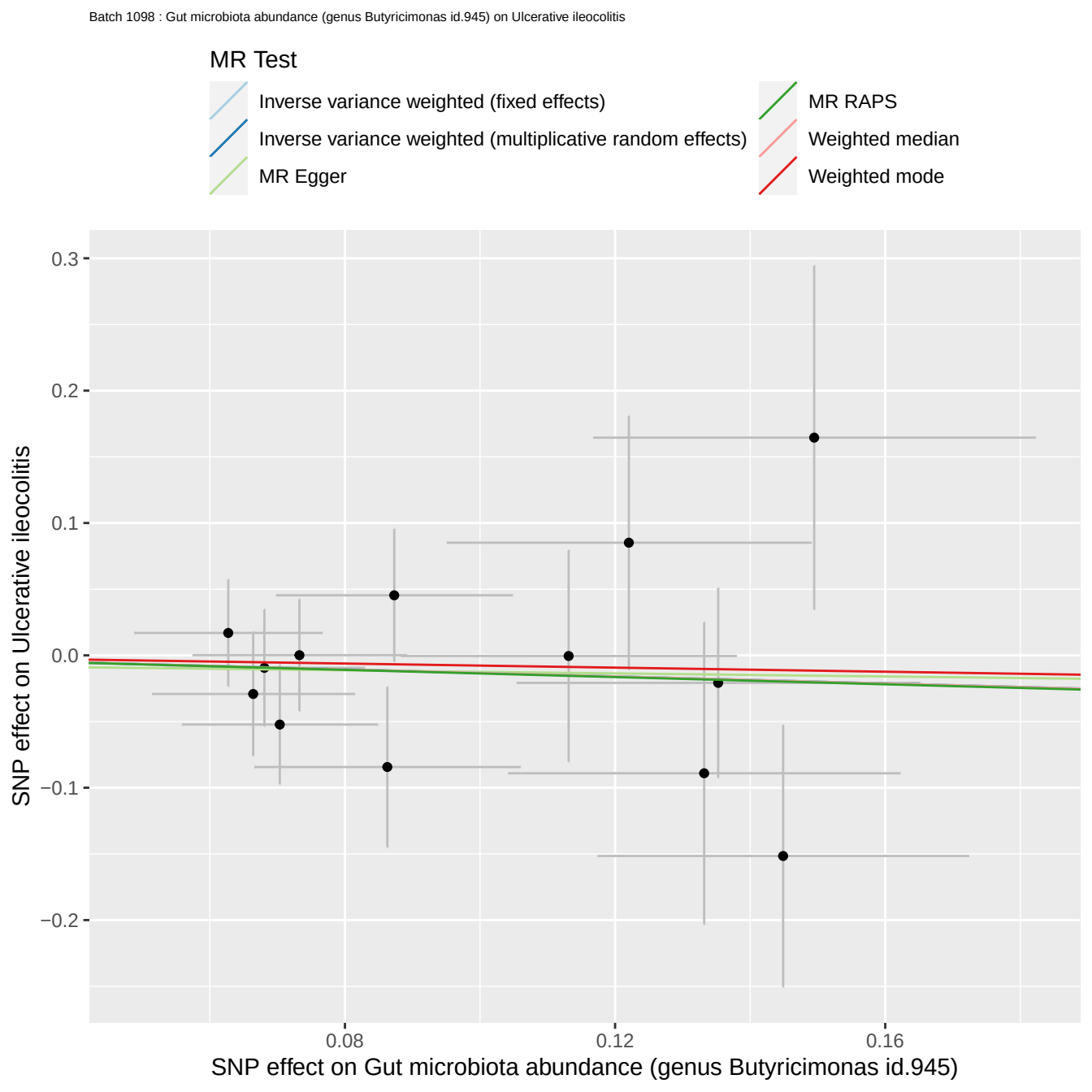

Batch 1094 : Gut microbiota abundance (genus Bifidobacterium id.436) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative ileocolitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)

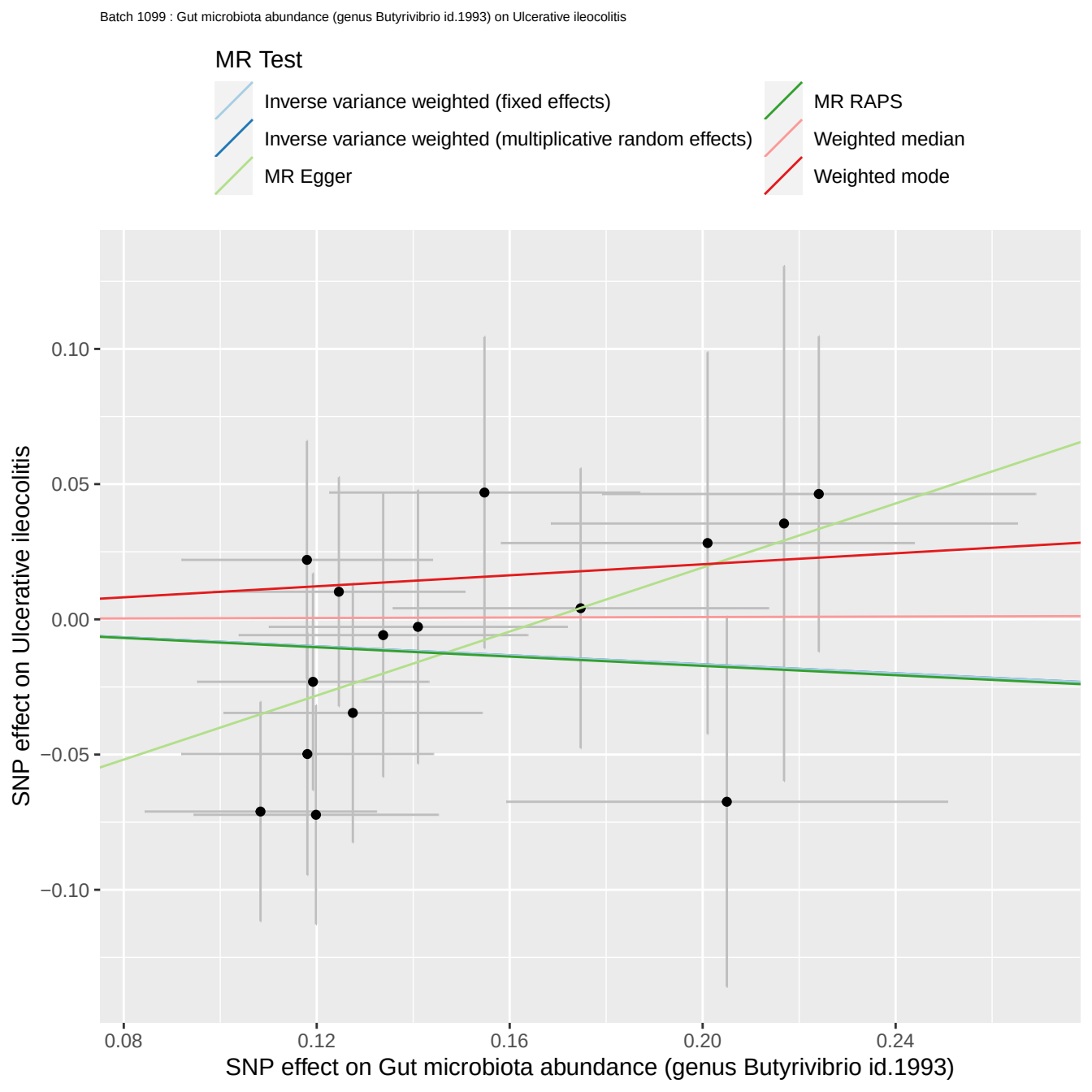

Batch 1095 : Gut microbiota abundance (genus Bilophila id.3170) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

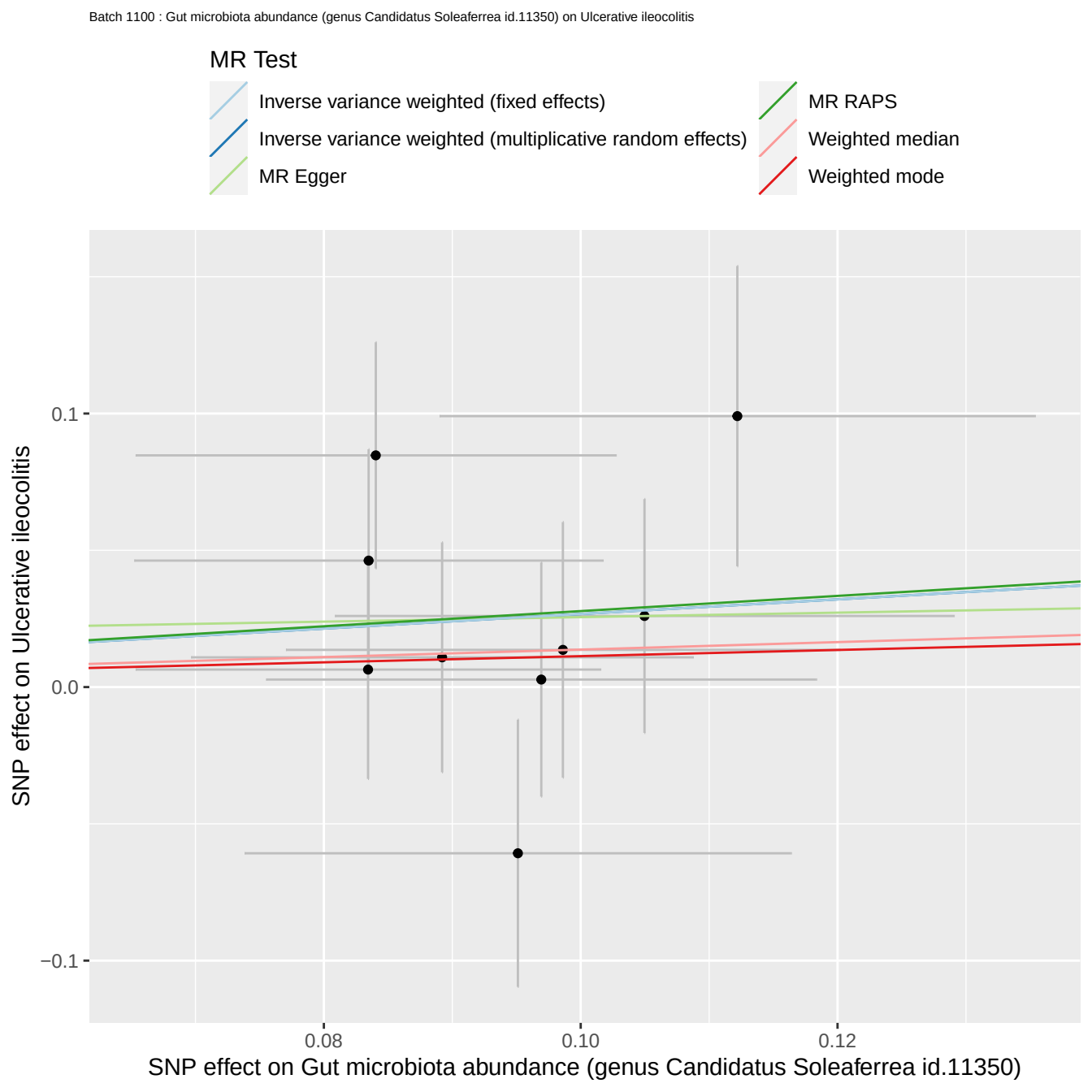
Batch 1096 : Gut microbiota abundance (genus Blautia id.1992) on Ulcerative ileocolitis



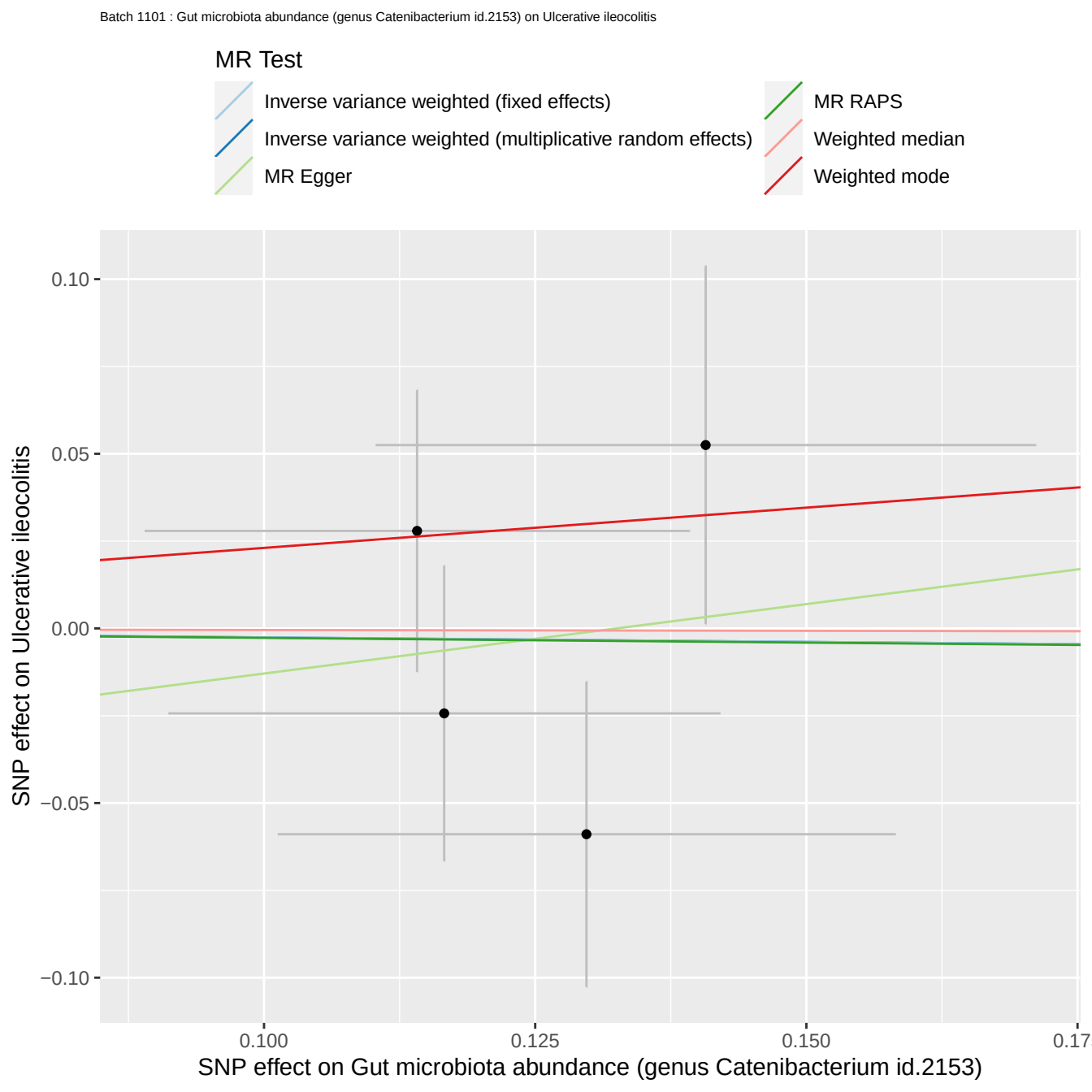

Batch 1097 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.0
−0.2
−0.4
SNP effect on Ulcerative ileocolitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)


Batch 1098 : Gut microbiota abundance (genus Butyricimonas id.945) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

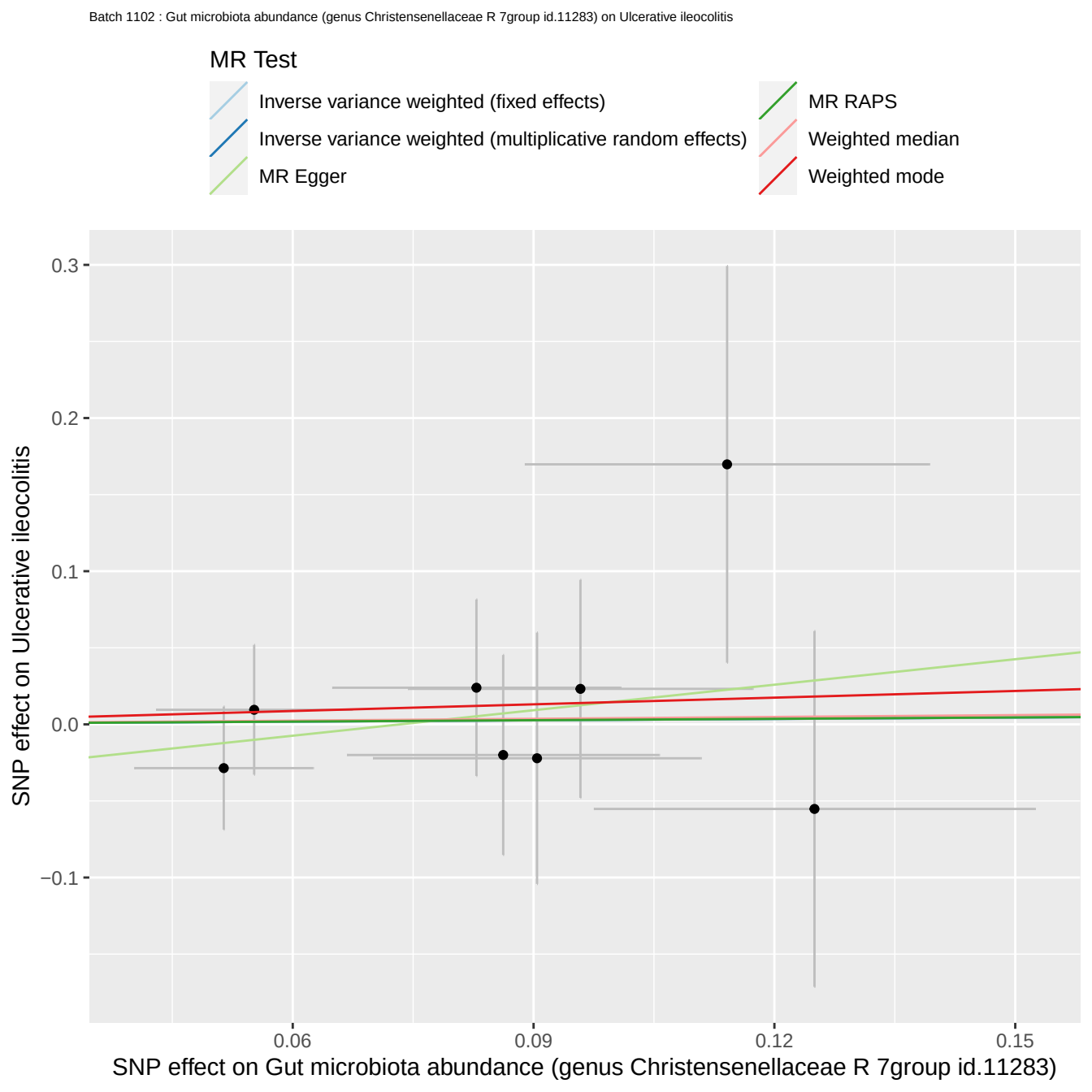

Batch 1099 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

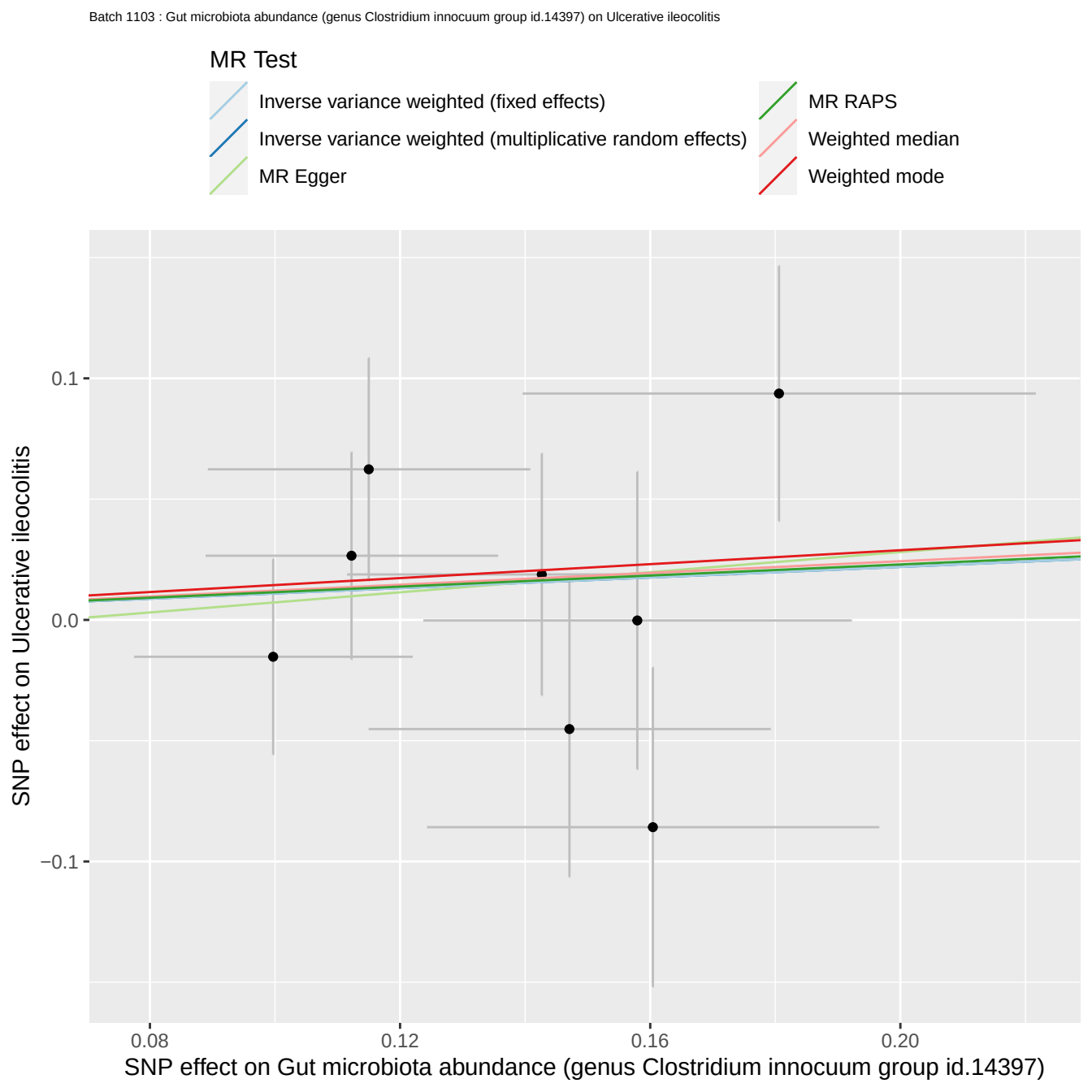

Batch 1100 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

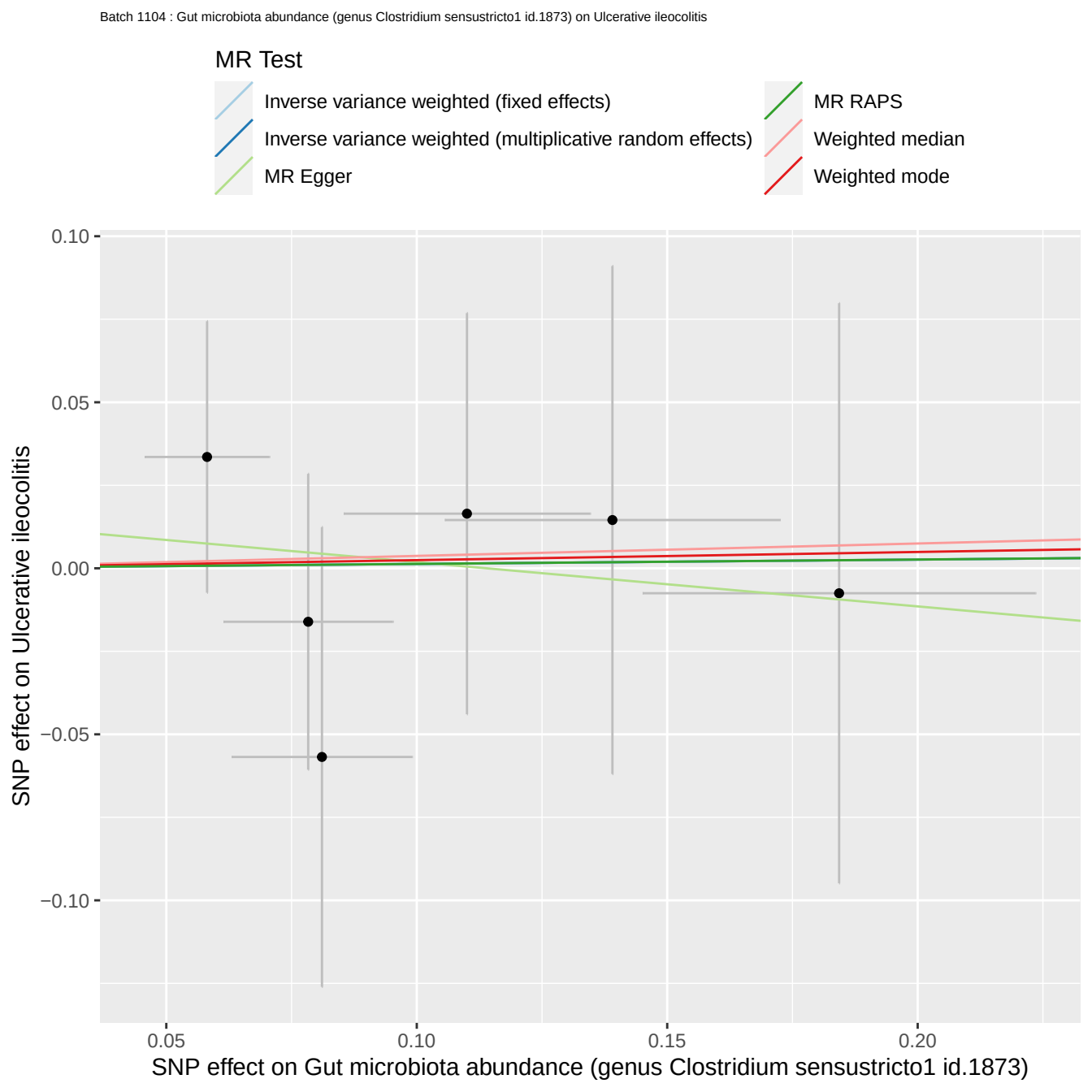
Batch 1101 : Gut microbiota abundance (genus Catenibacterium id.2153) on Ulcerative ileocolitis

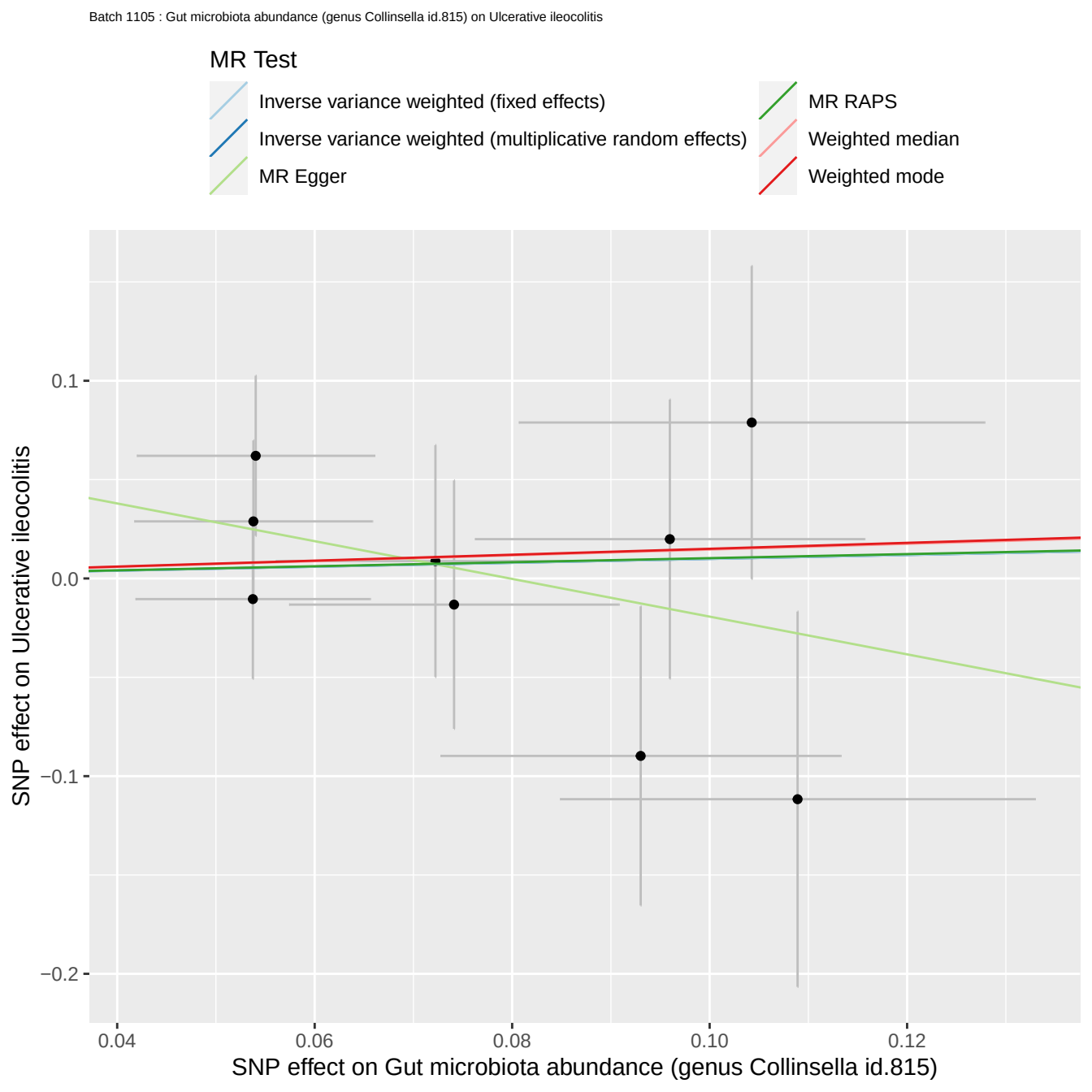


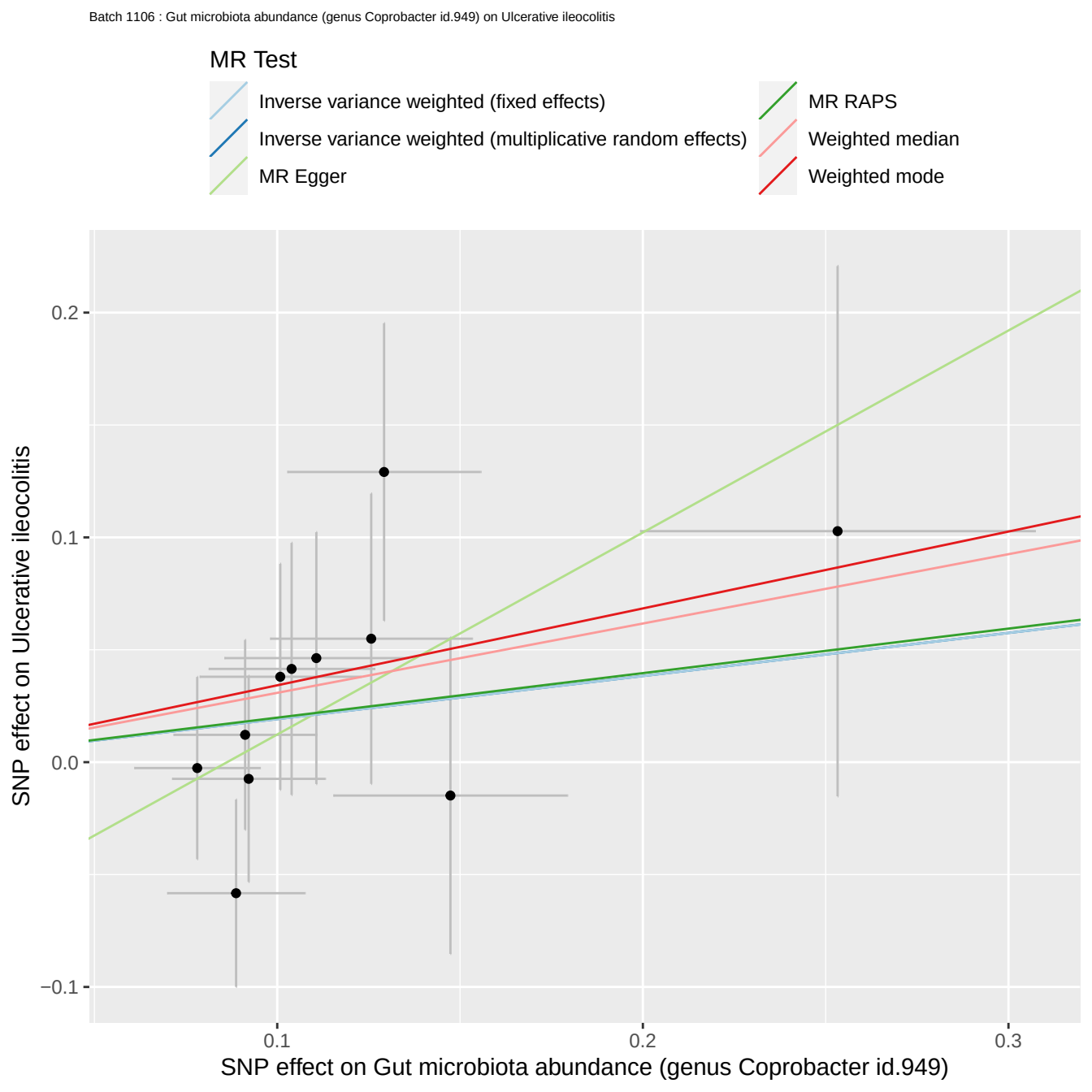
Batch 1102 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Ulcerative ileocolitis

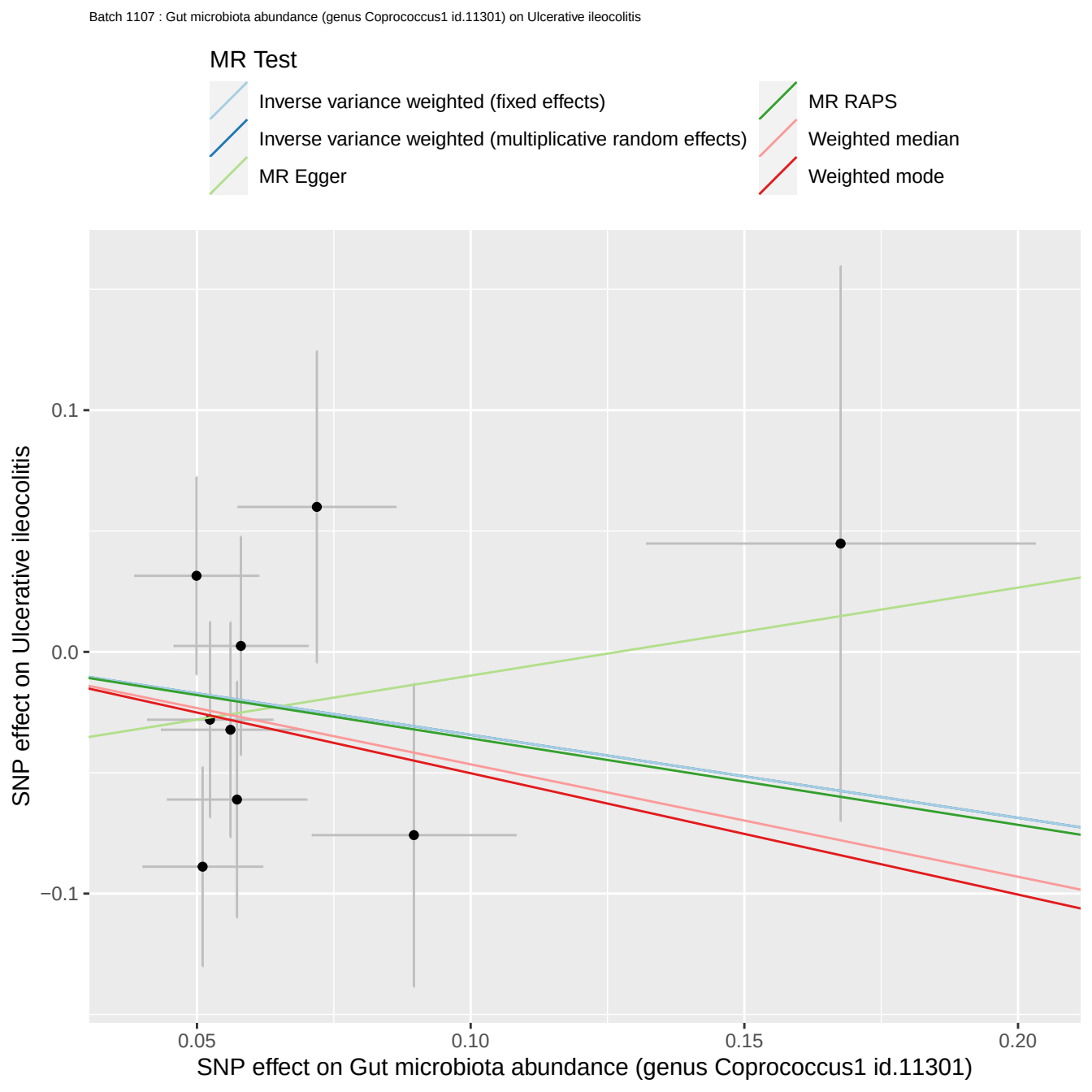


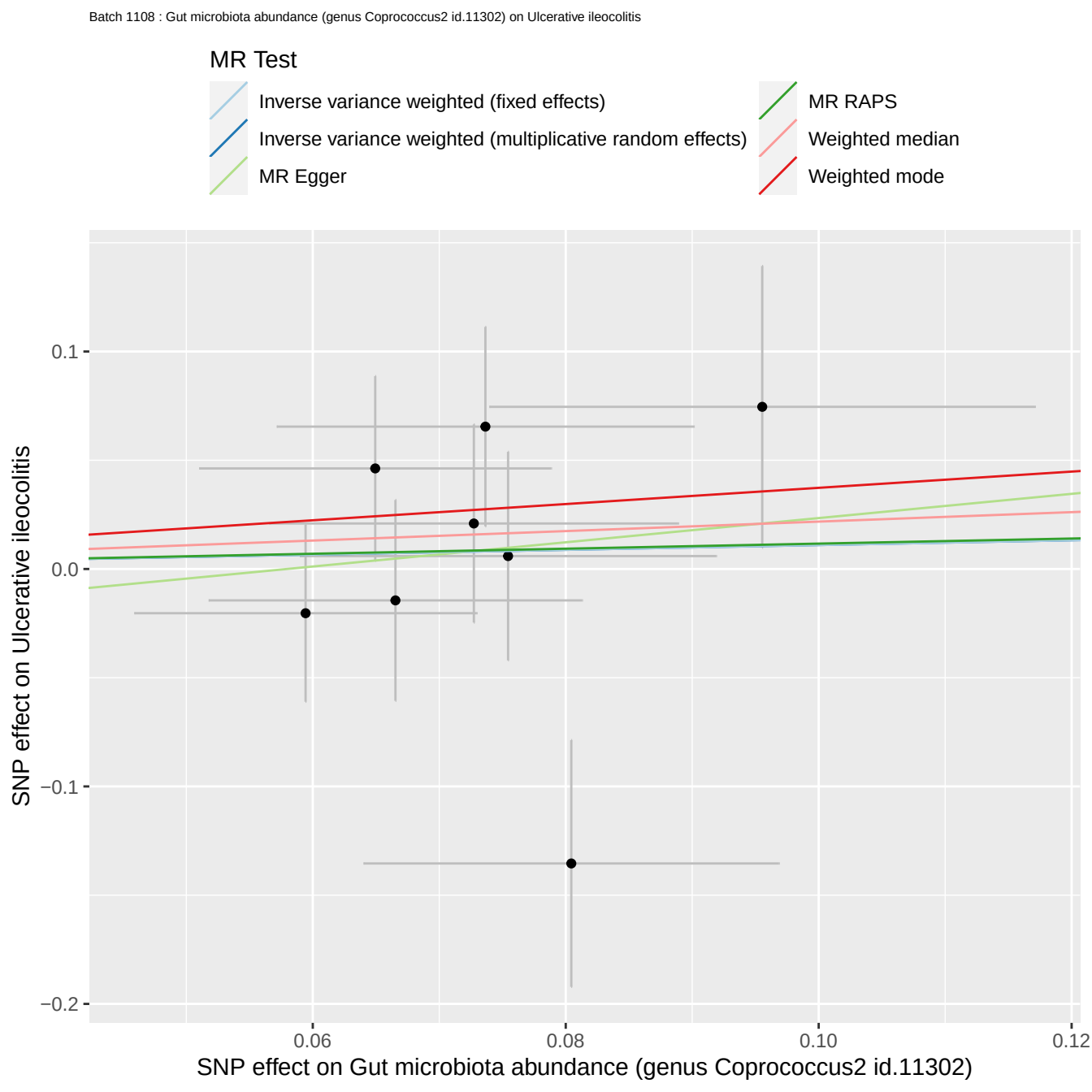

Batch 1103 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

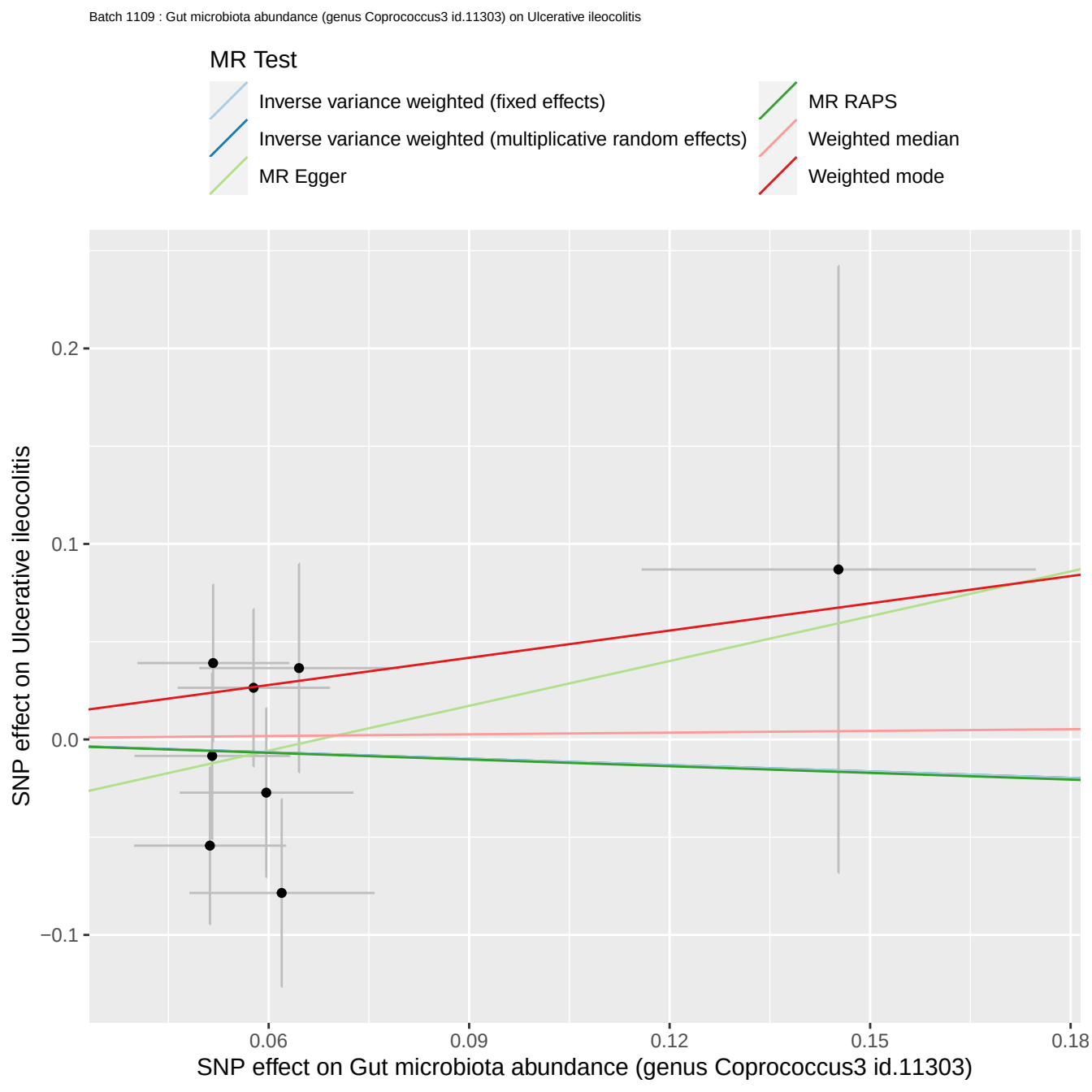

Batch 1104 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

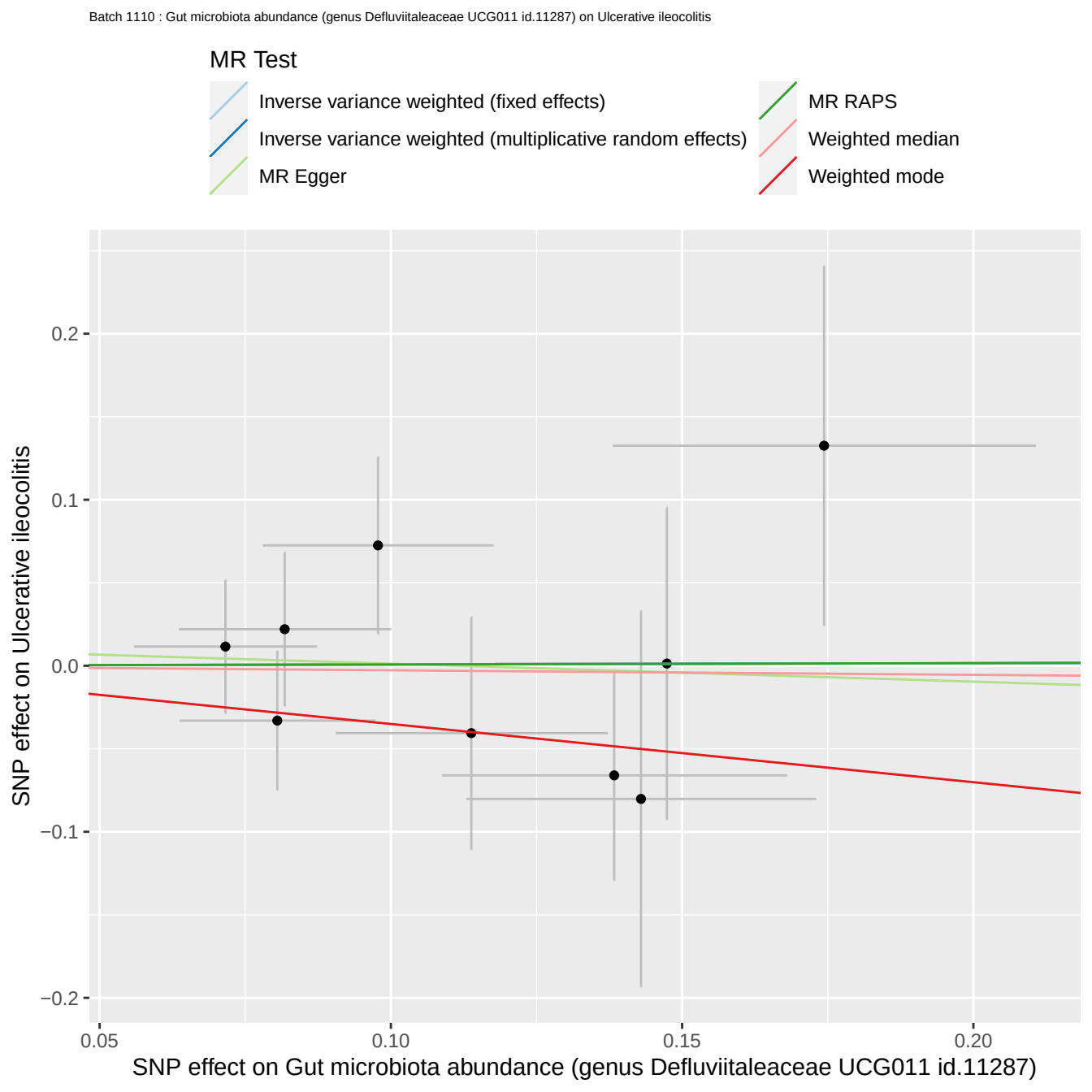

Batch 1105 : Gut microbiota abundance (genus Collinsella id.815) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

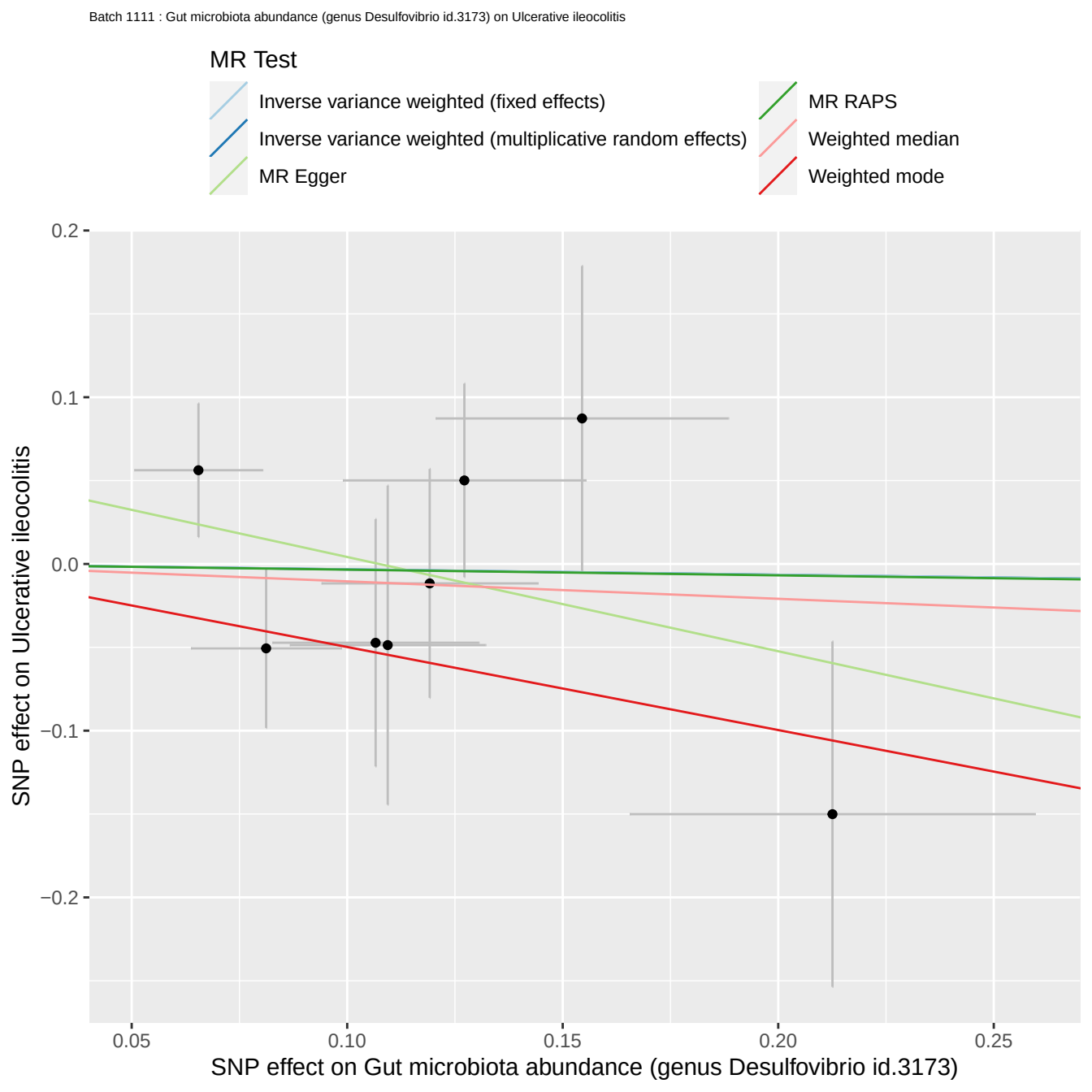

Batch 1106 : Gut microbiota abundance (genus Coprobacter id.949) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

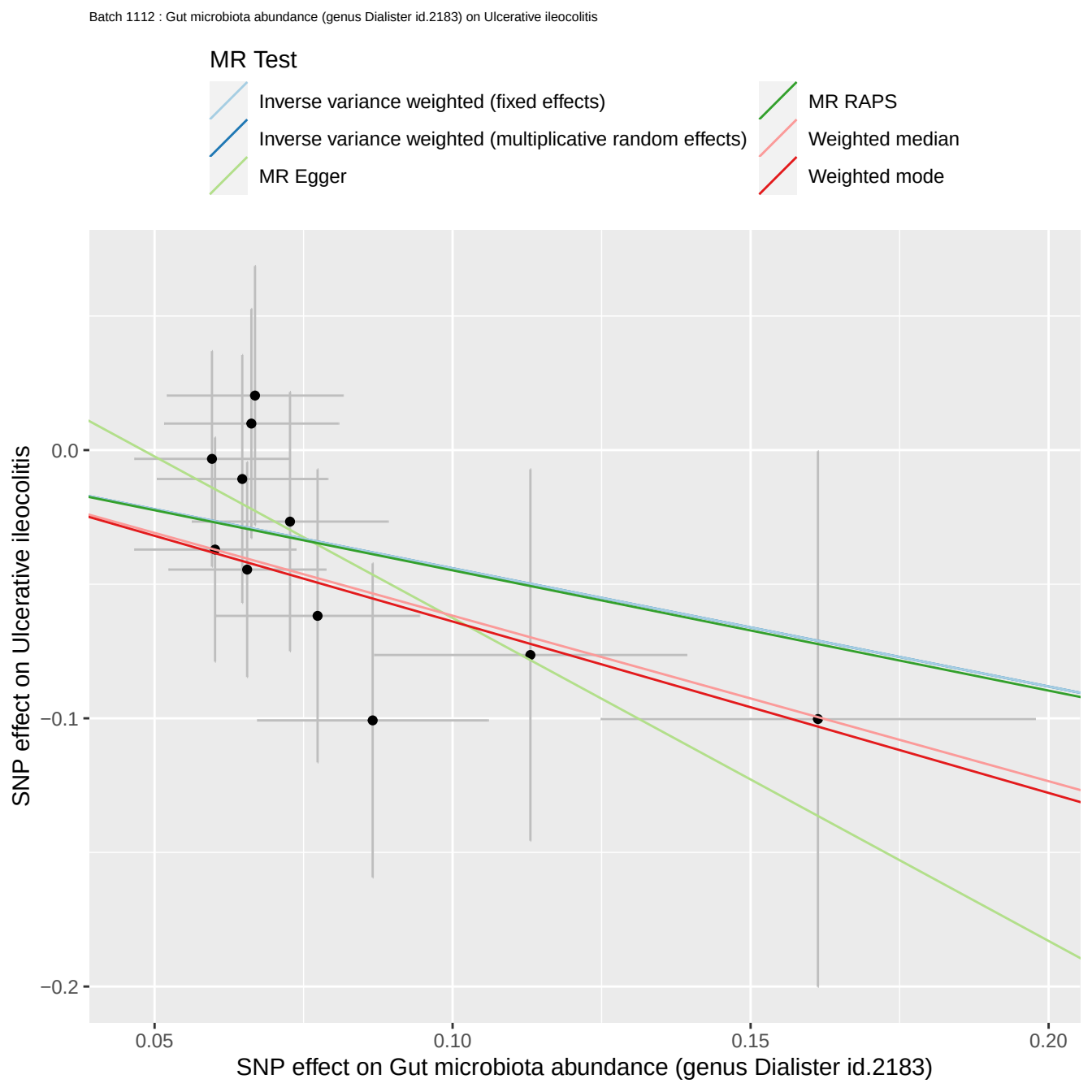

Batch 1107 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

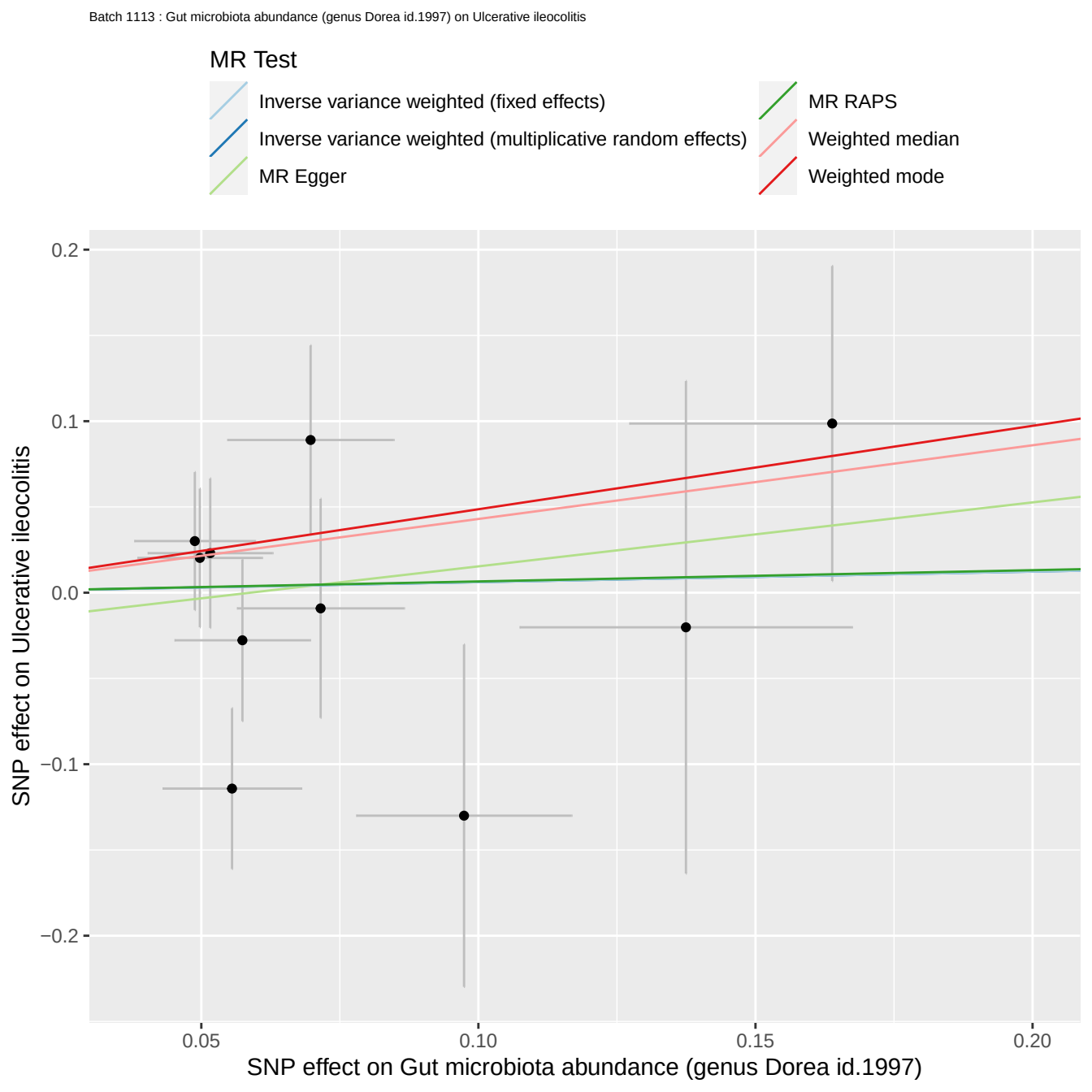

Batch 1108 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

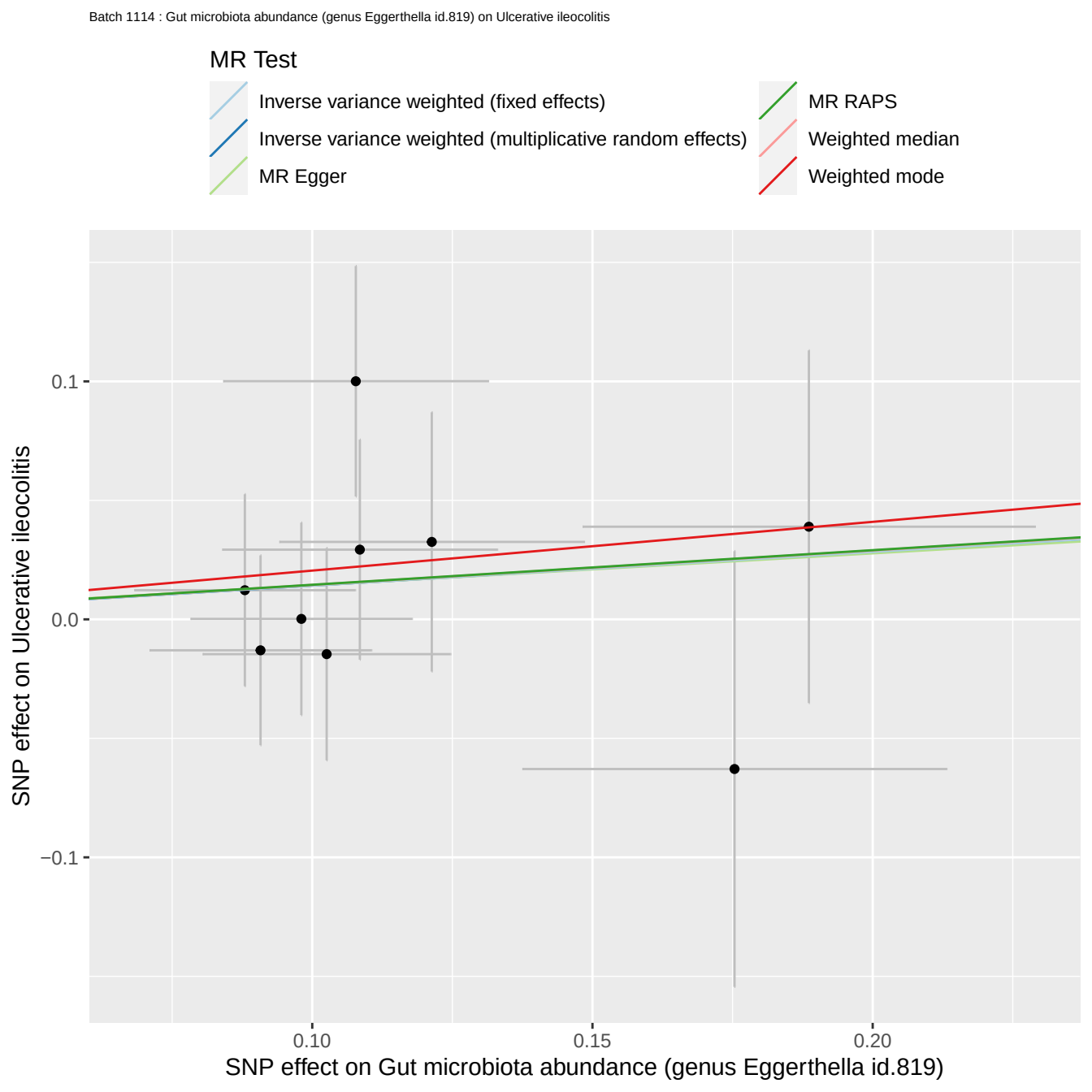

Batch 1109 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

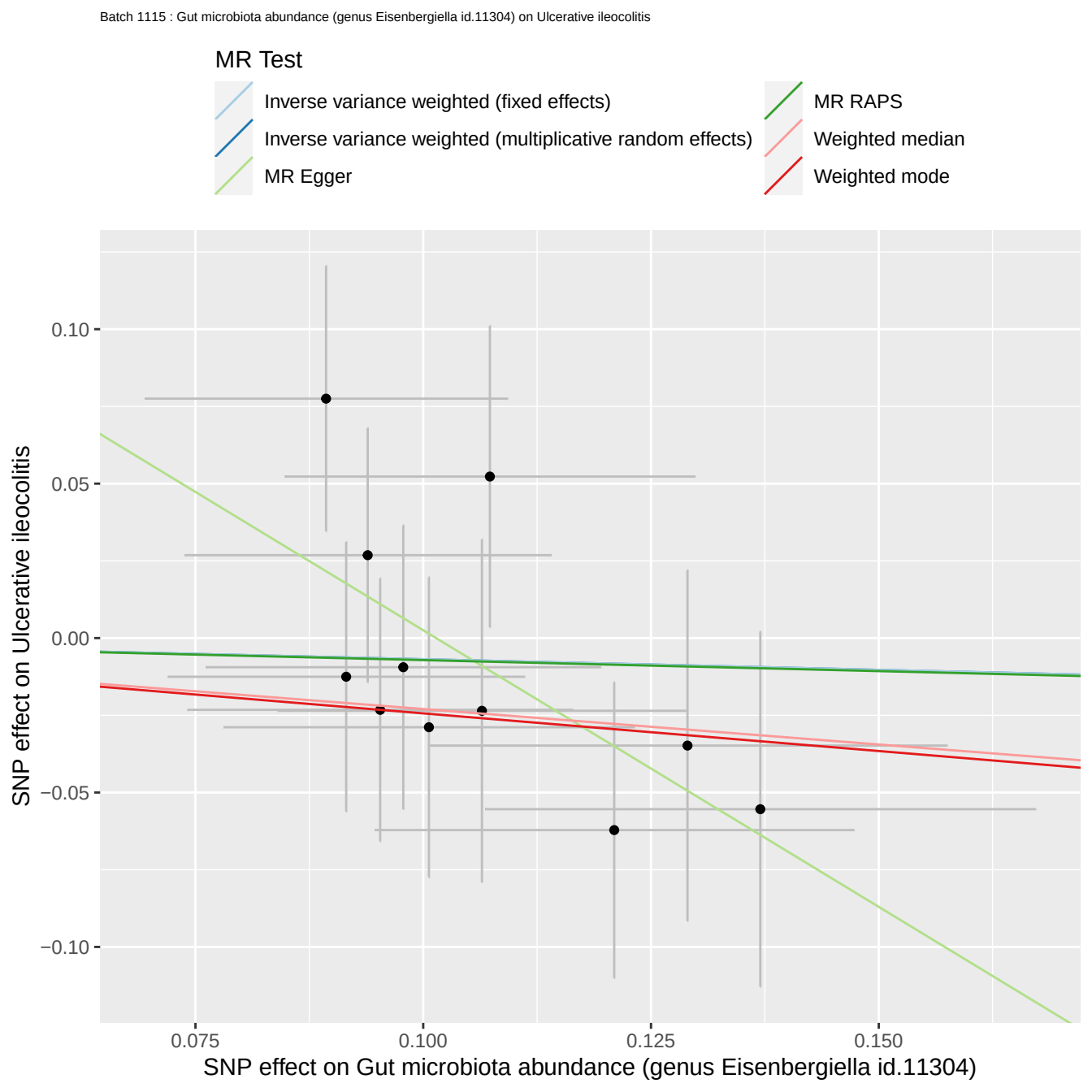

Batch 1110 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

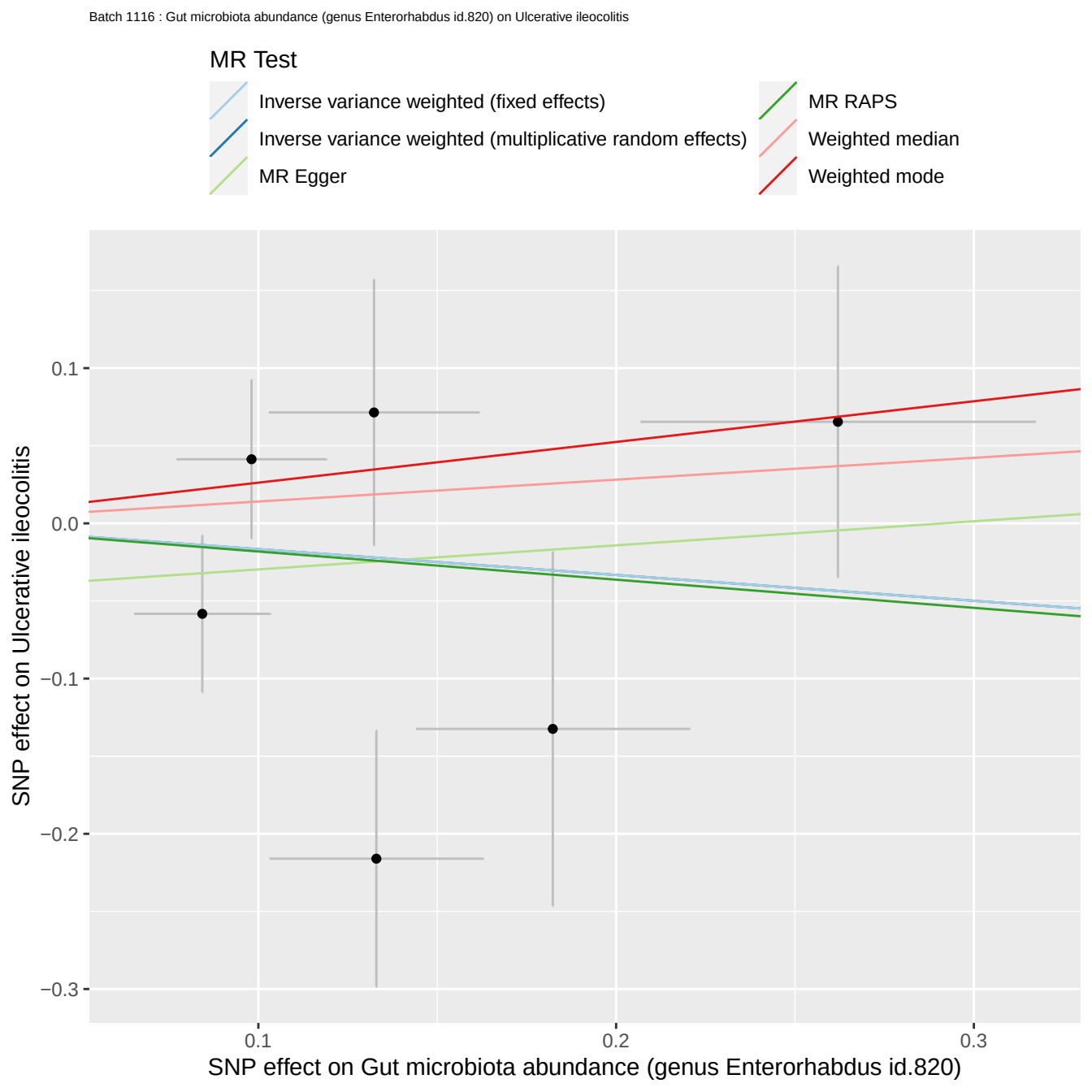

Batch 1111 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative ileocolitis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

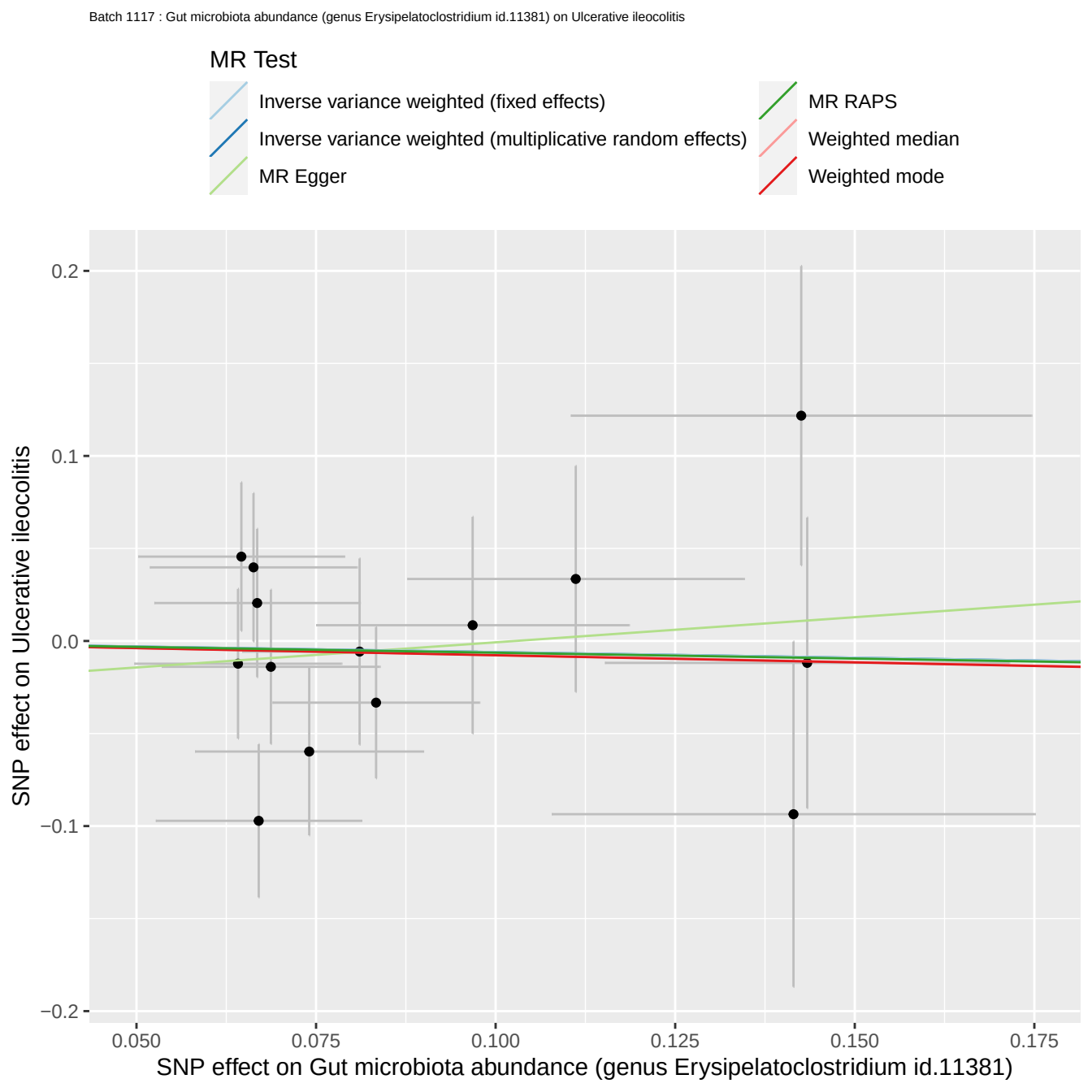

Batch 1112 : Gut microbiota abundance (genus Dialister id.2183) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)


Batch 1113 : Gut microbiota abundance (genus Dorea id.1997) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)

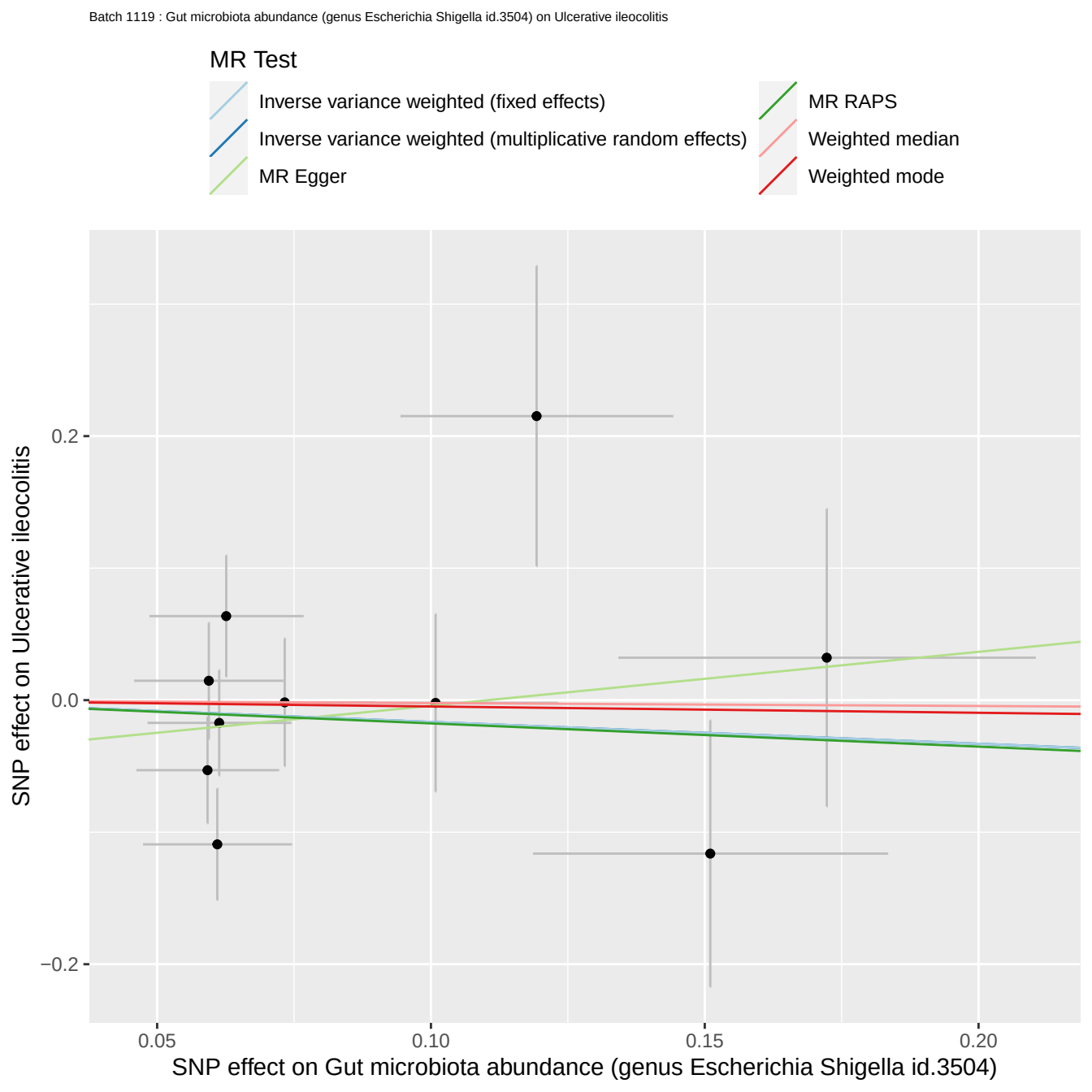

Batch 1114 : Gut microbiota abundance (genus Eggerthella id.819) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

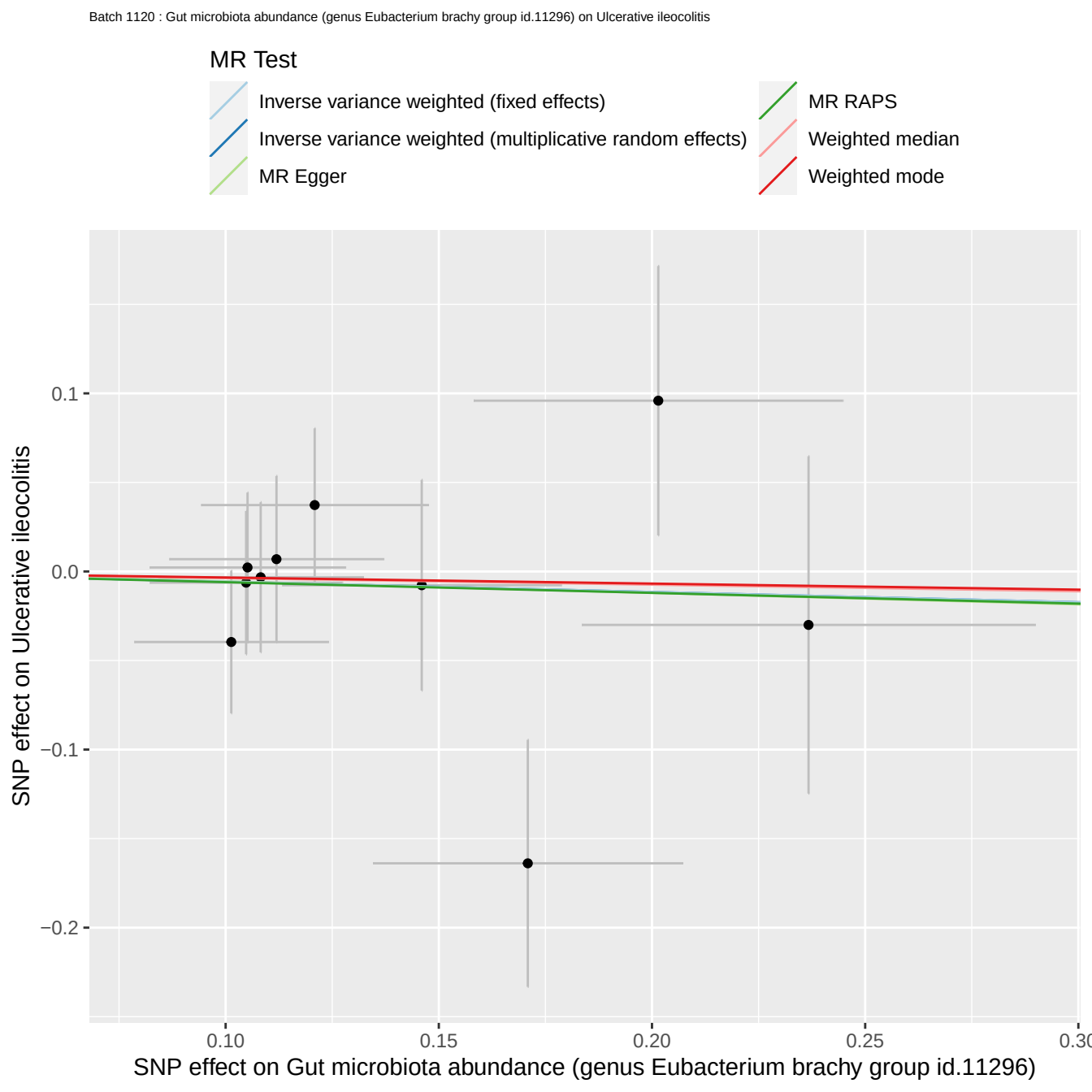

Batch 1115 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

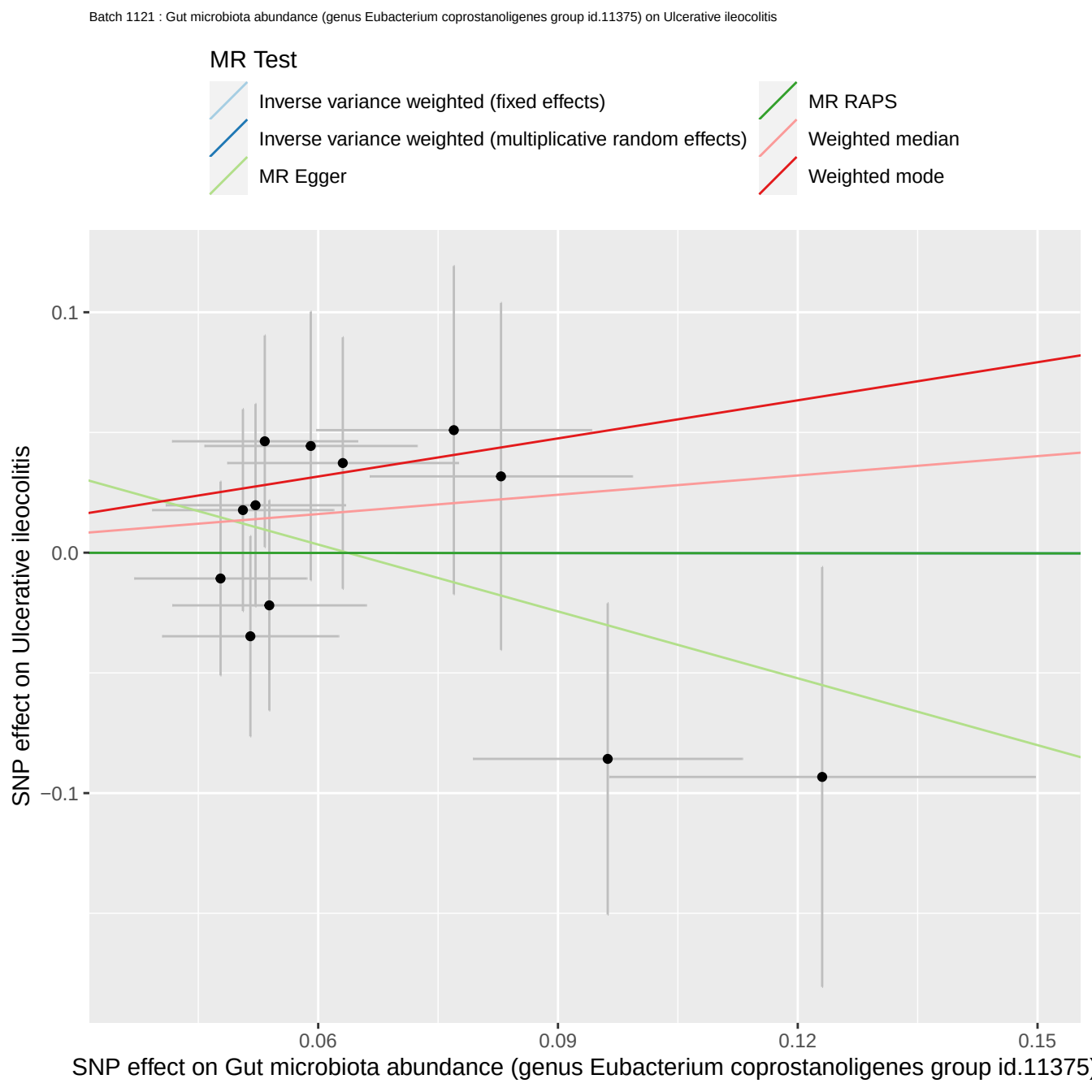

Batch 1116 : Gut microbiota abundance (genus Enterorhabdus id.820) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)

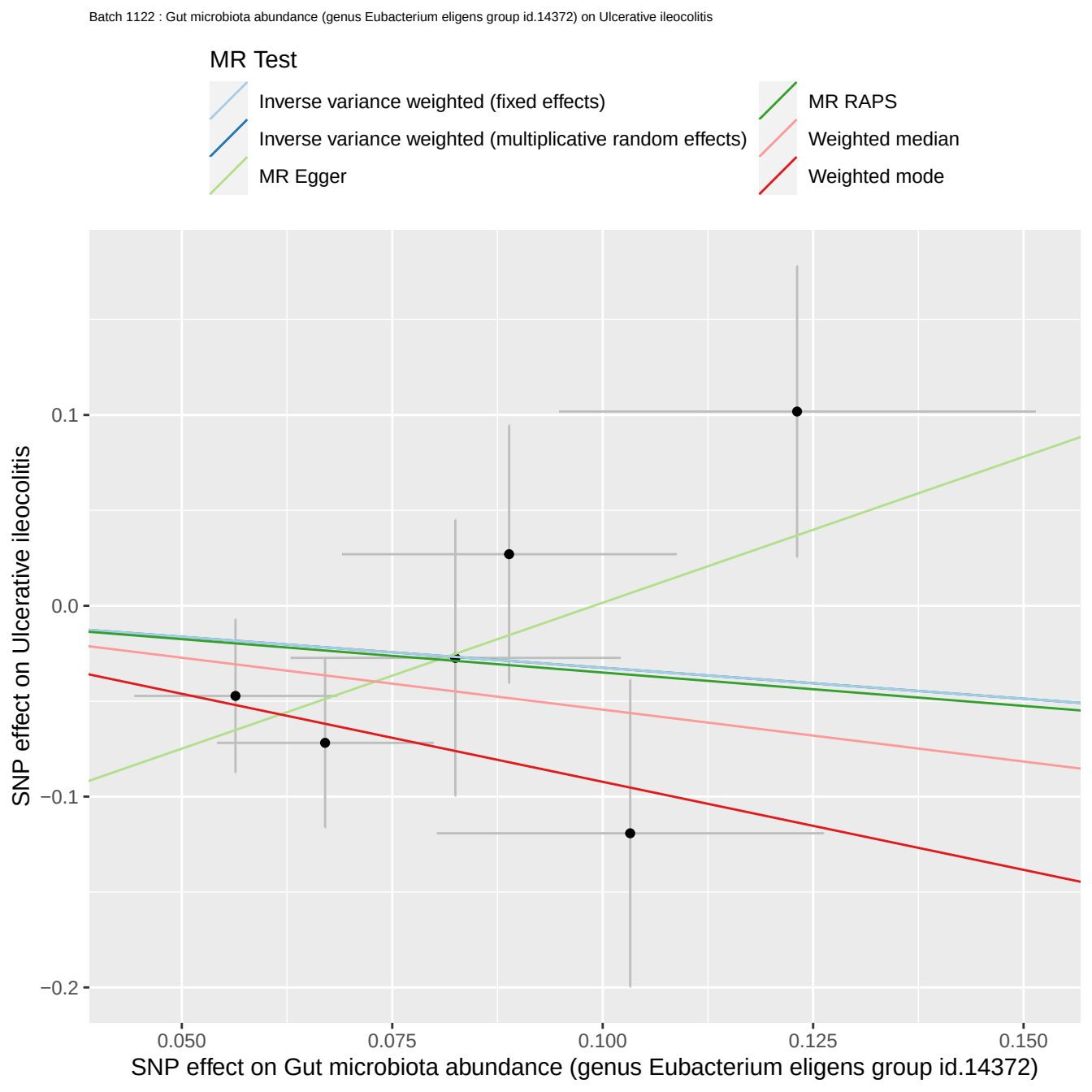

Batch 1117 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

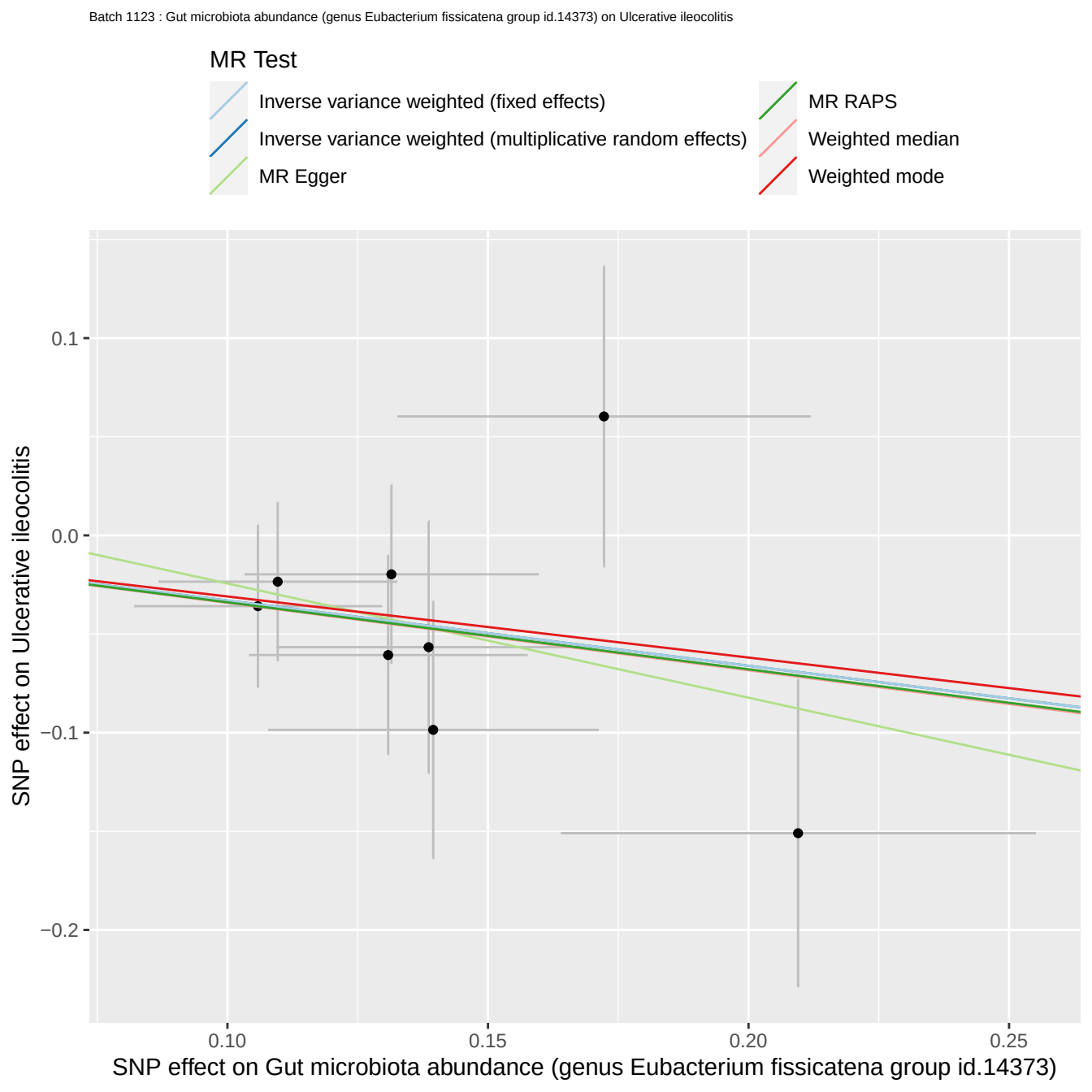
Insufficient number of SNPs


Batch 1119 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.0
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

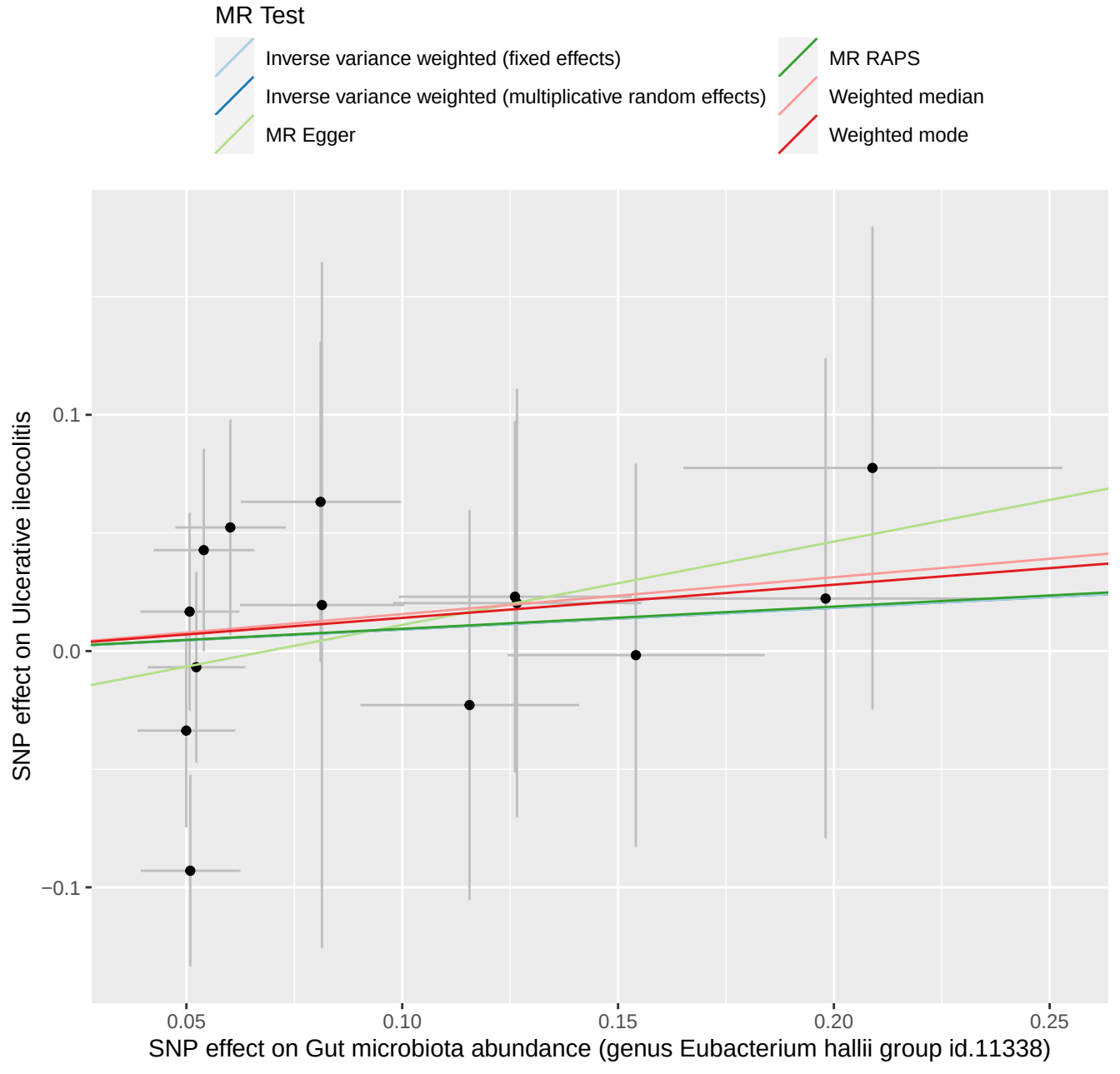

Batch 1120 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)


Batch 1121 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375)

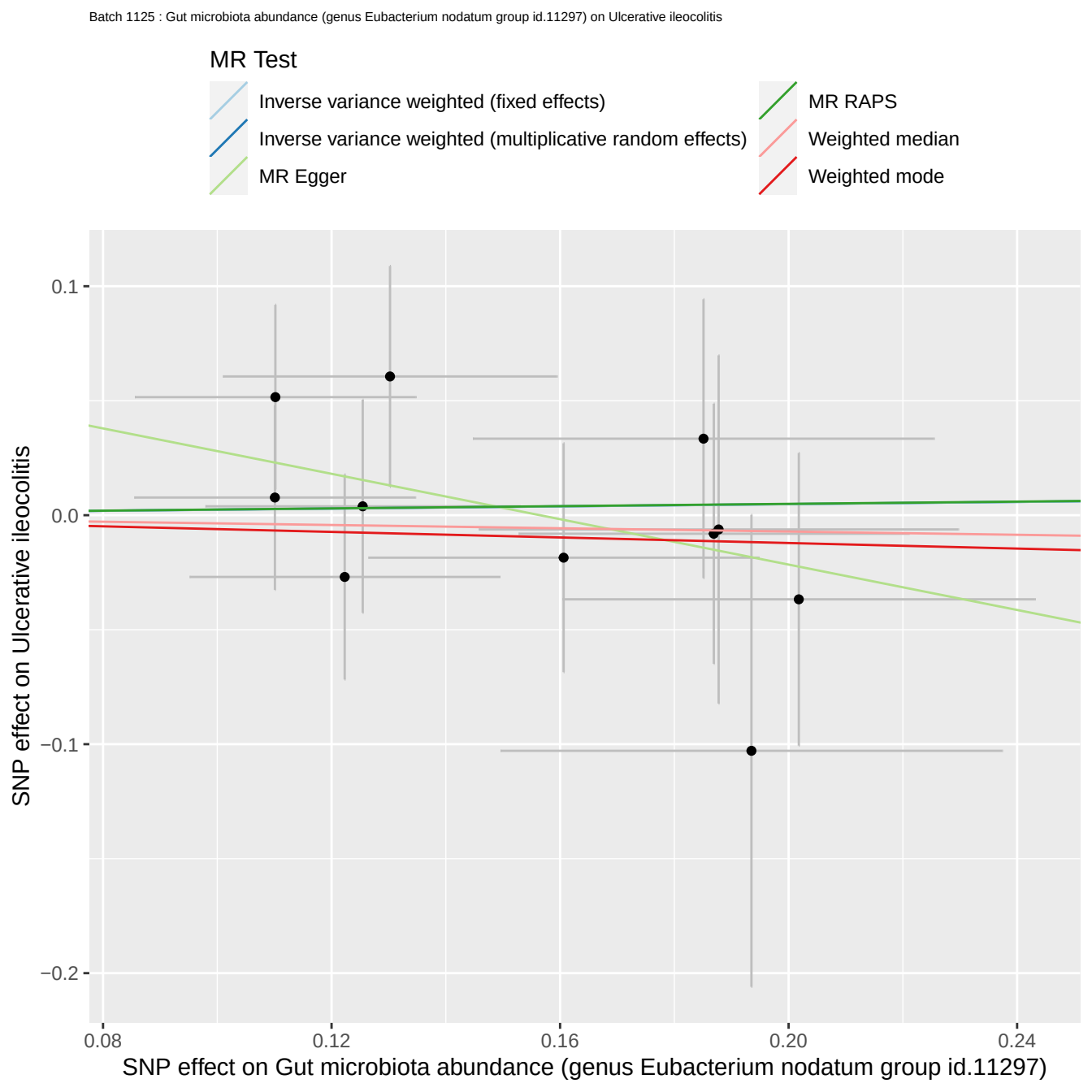

Batch 1122 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

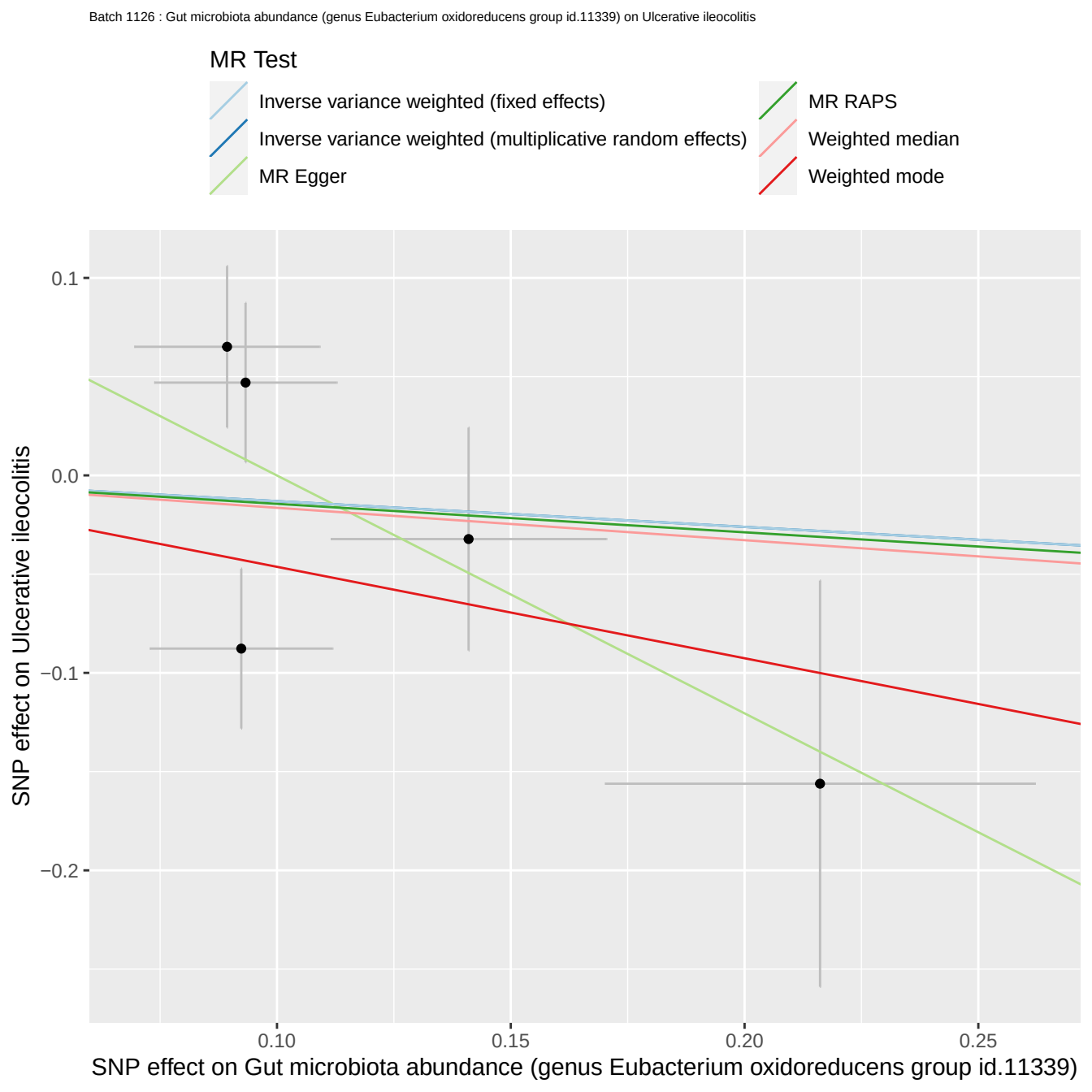

Batch 1123 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

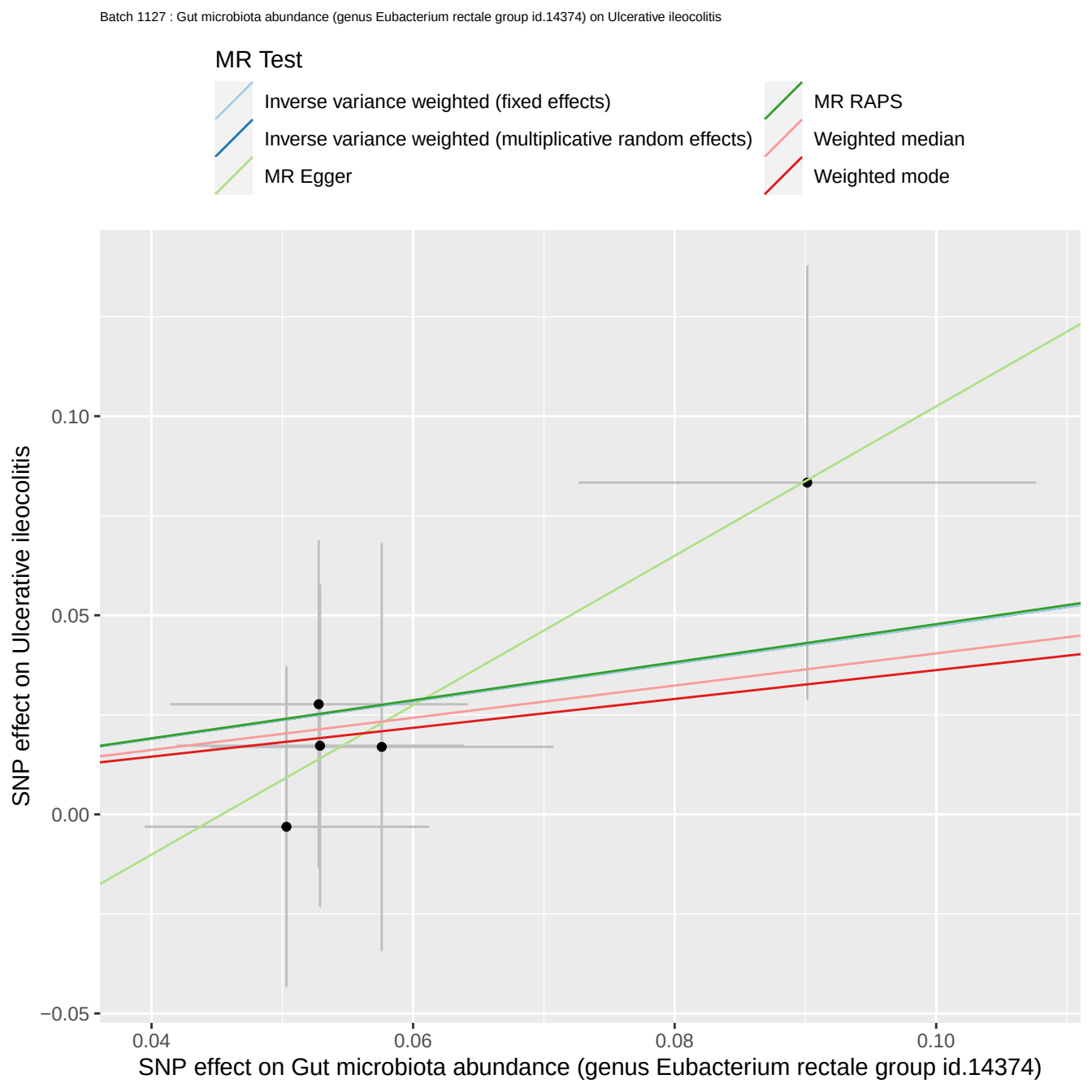
Batch 1124 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Ulcerative ileocolitis

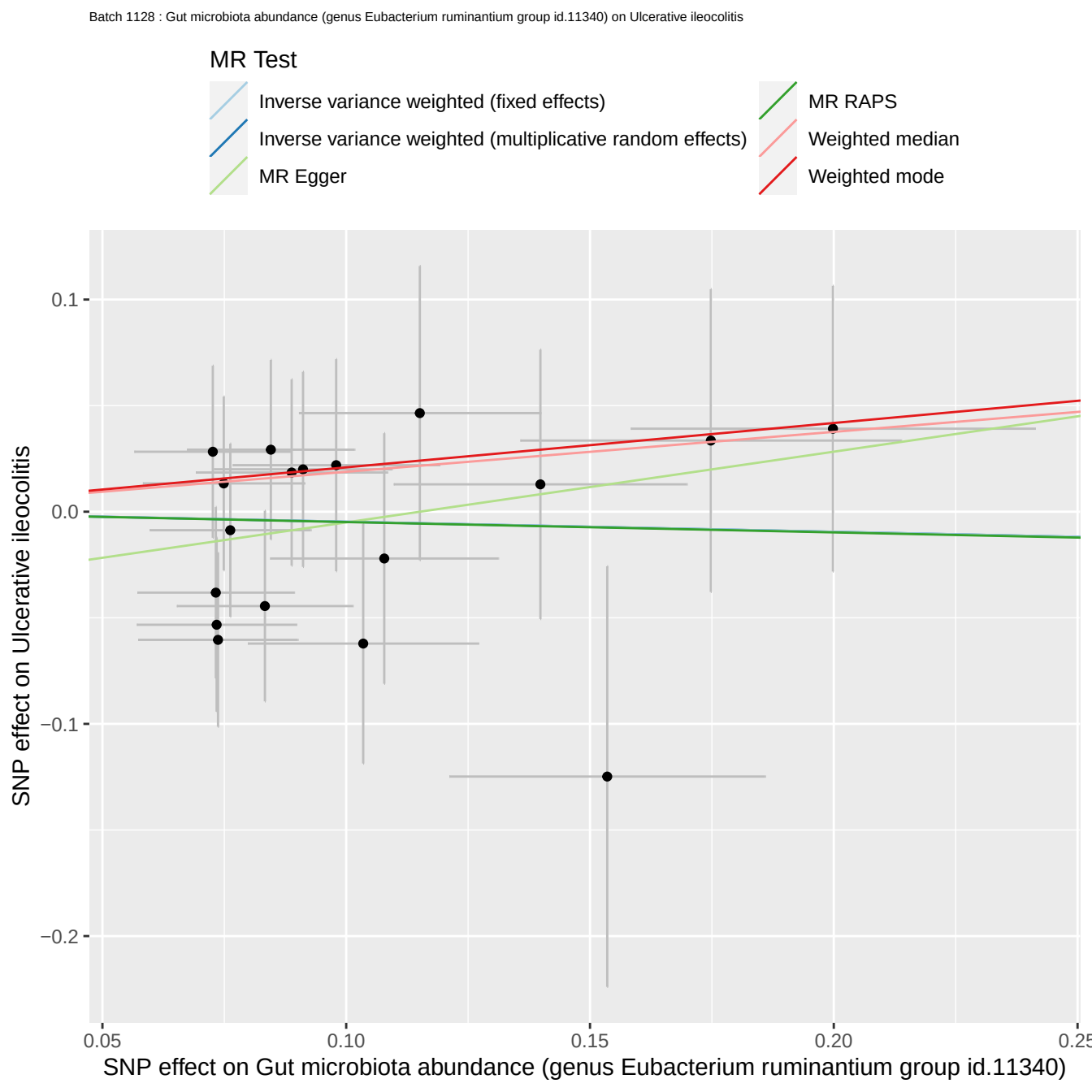


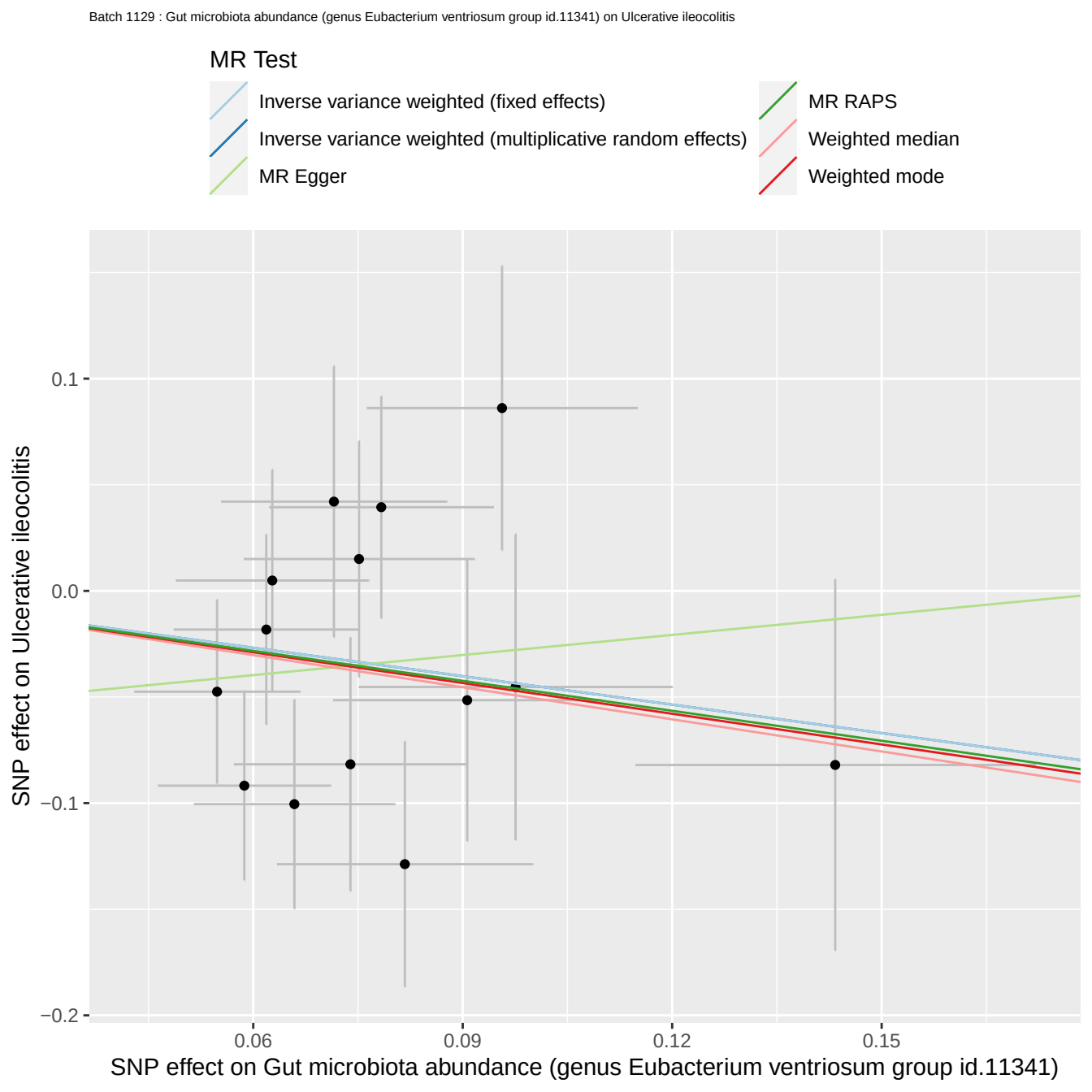
Batch 1125 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Ulcerative ileocolitis

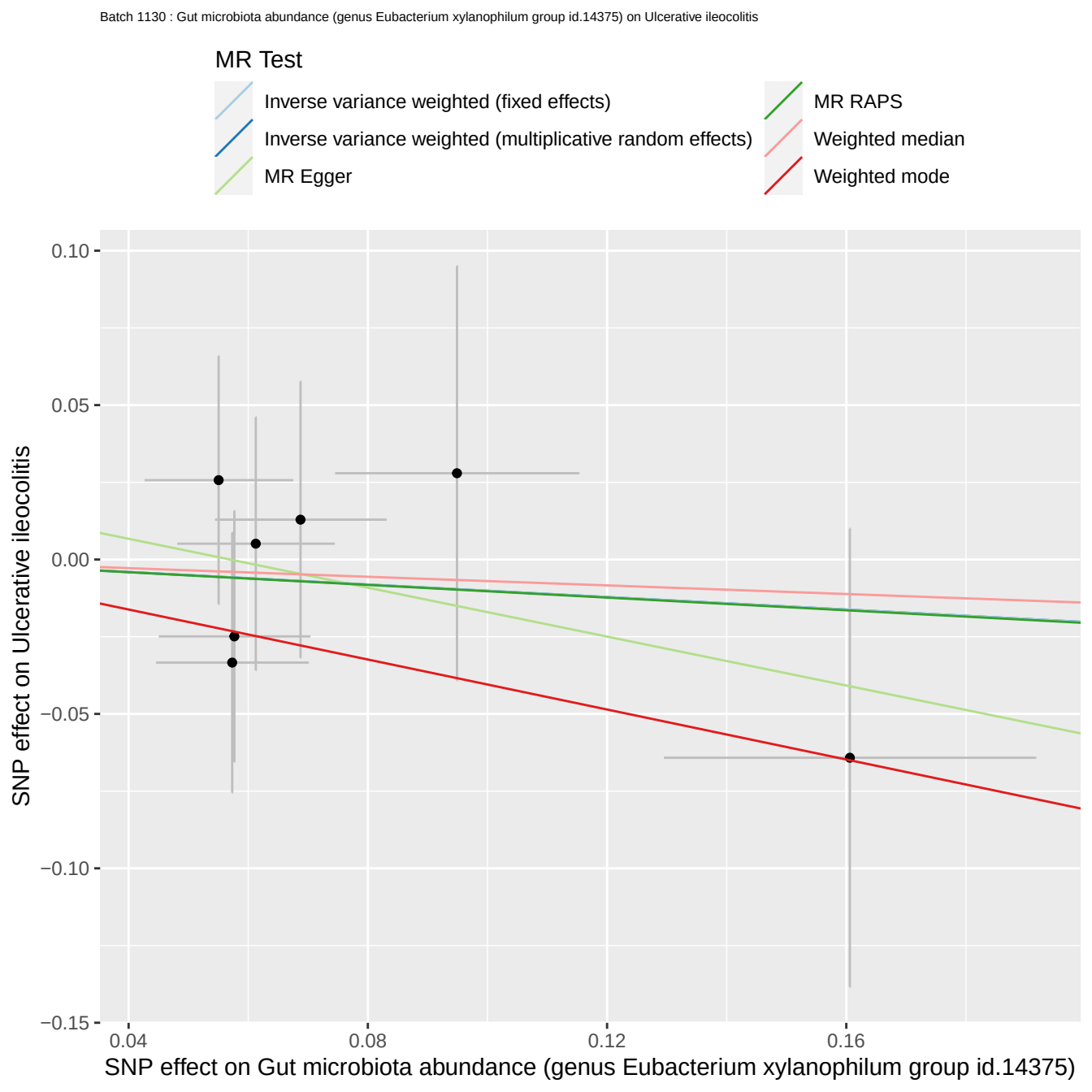


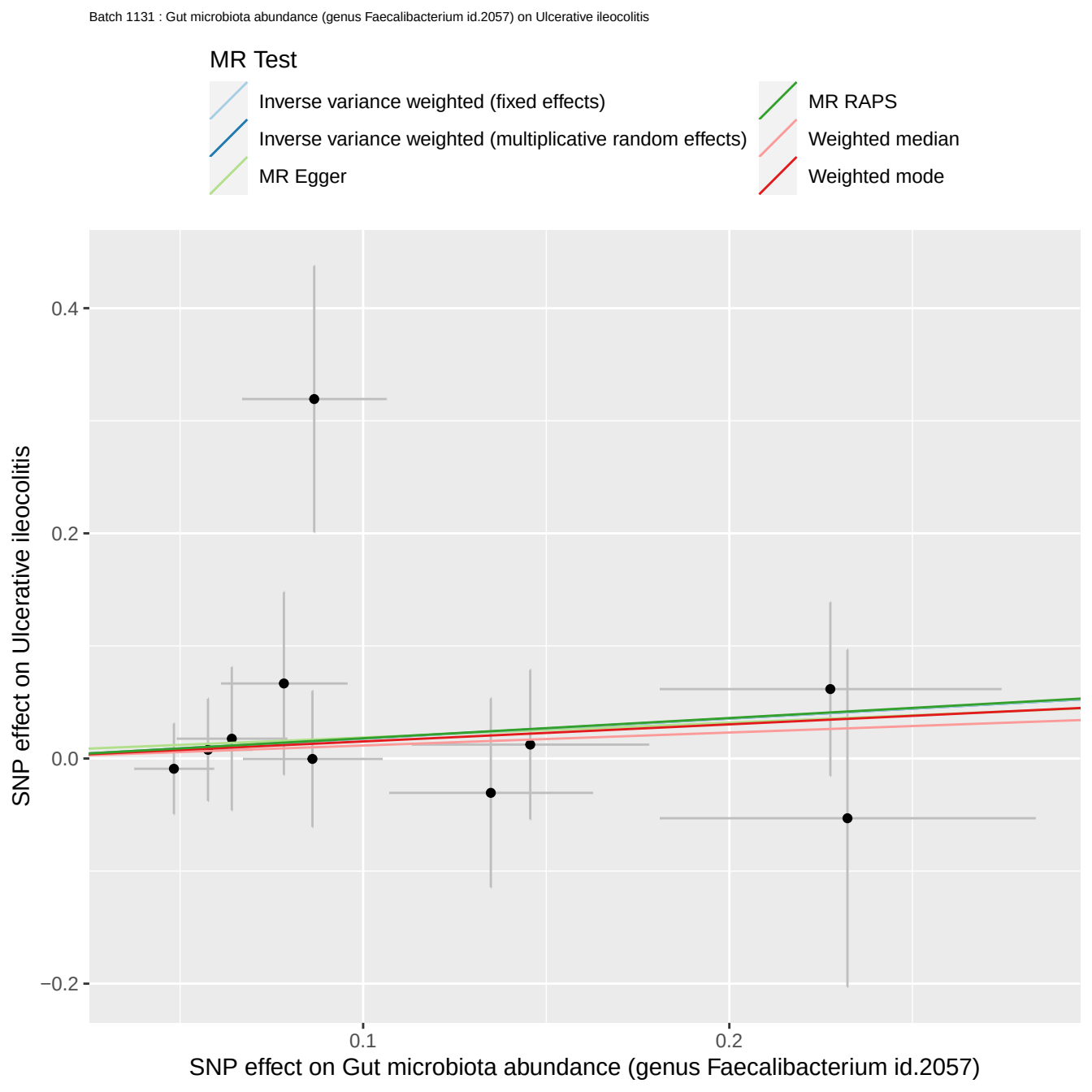

Batch 1126 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339)

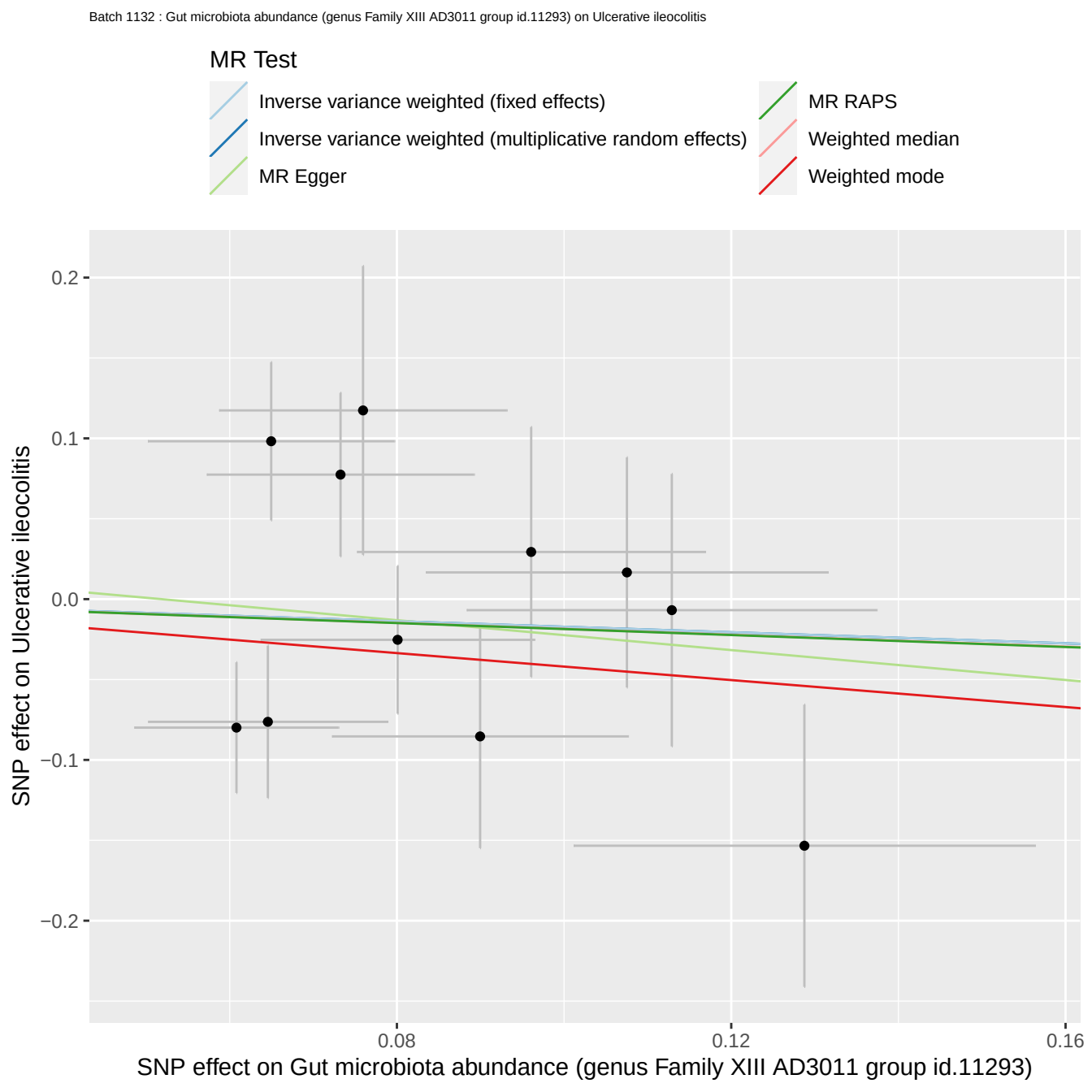

Batch 1127 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

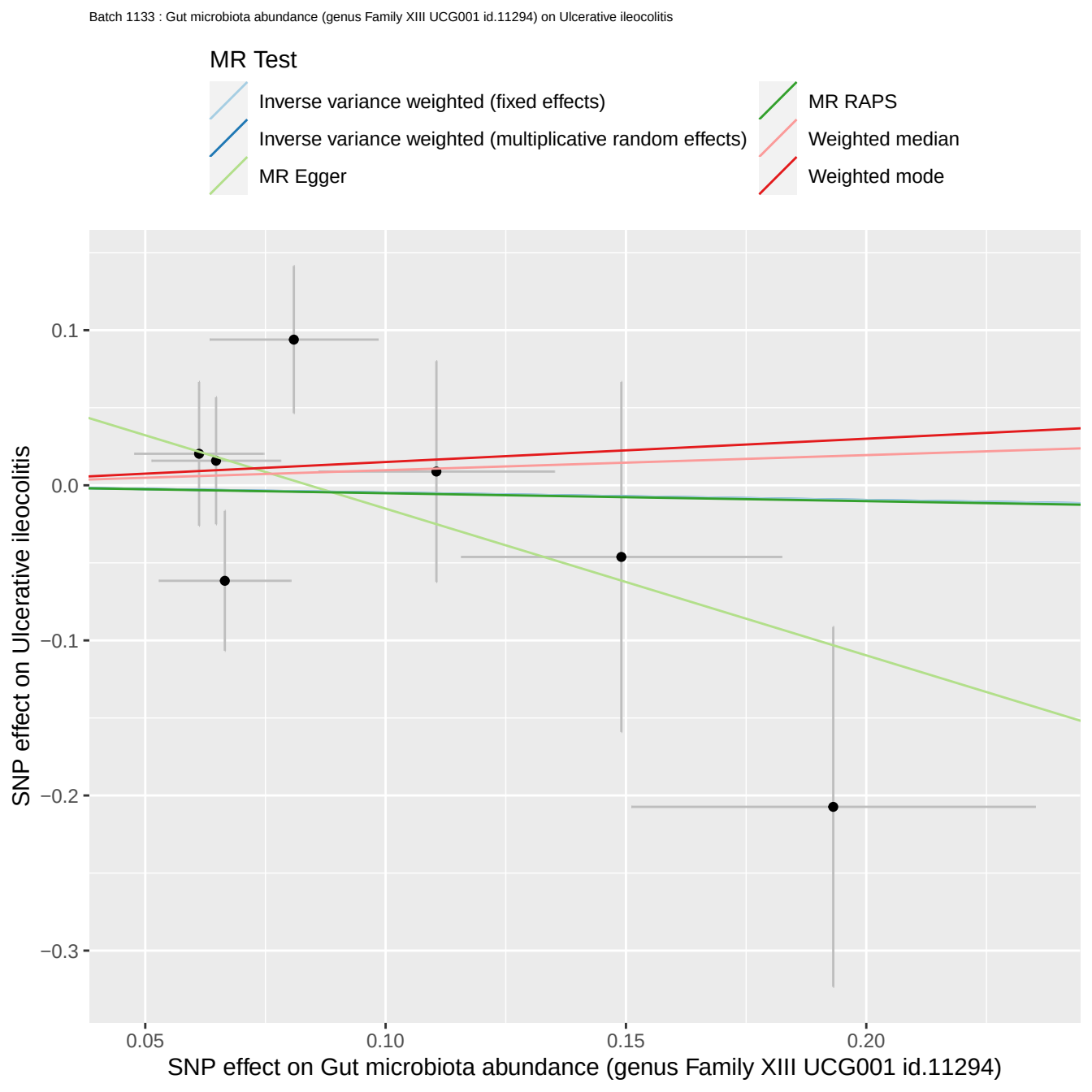

Batch 1128 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

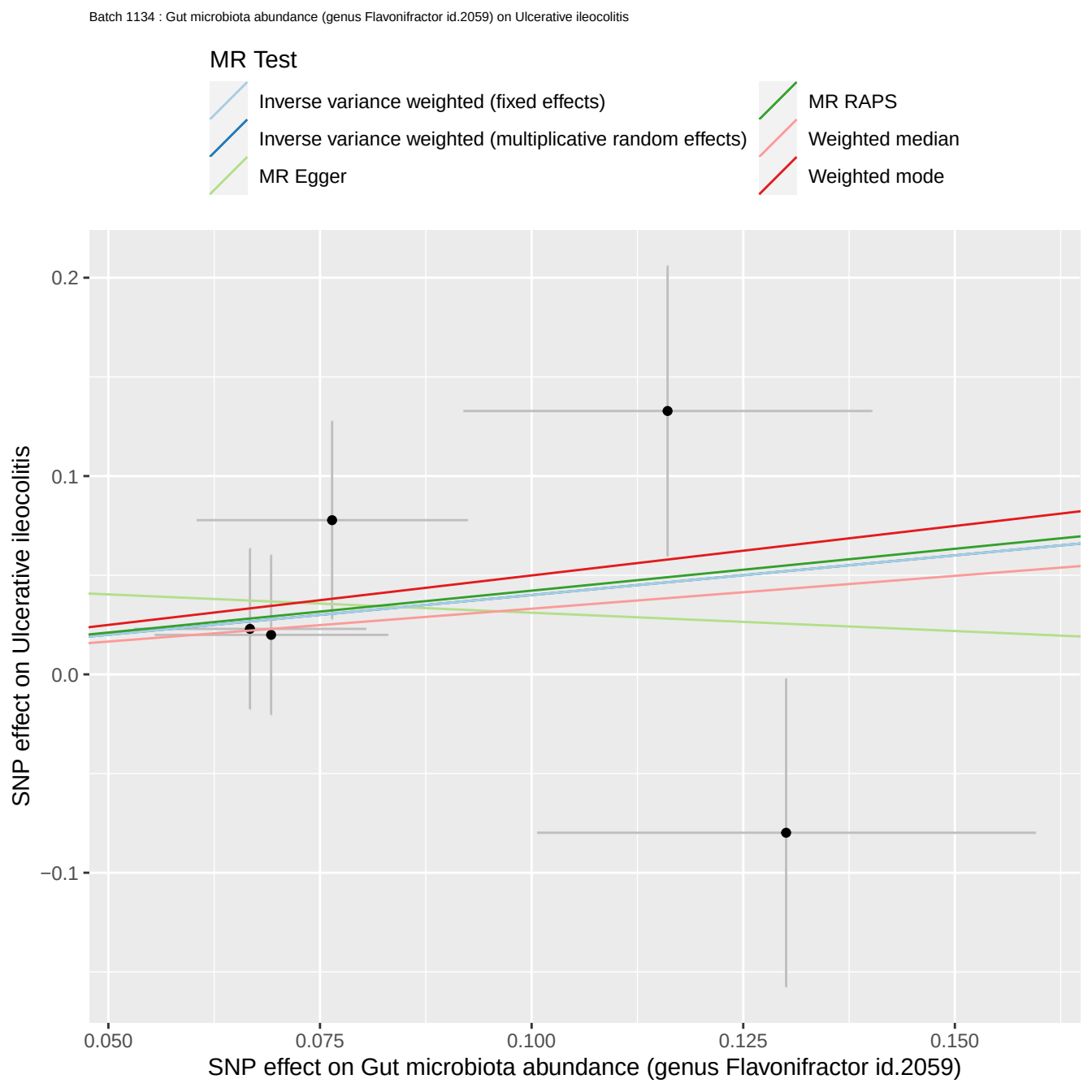

Batch 1129 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

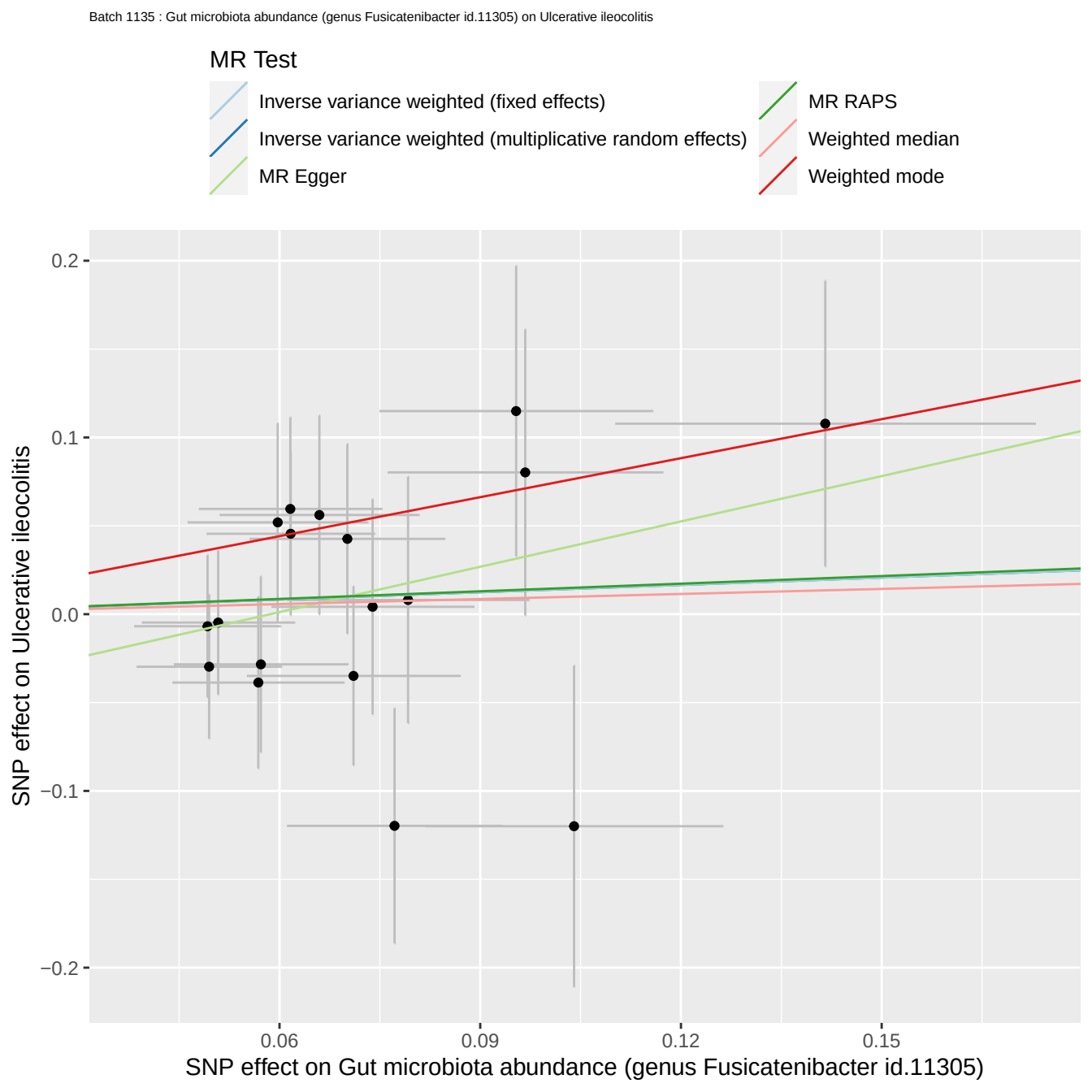

Batch 1130 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

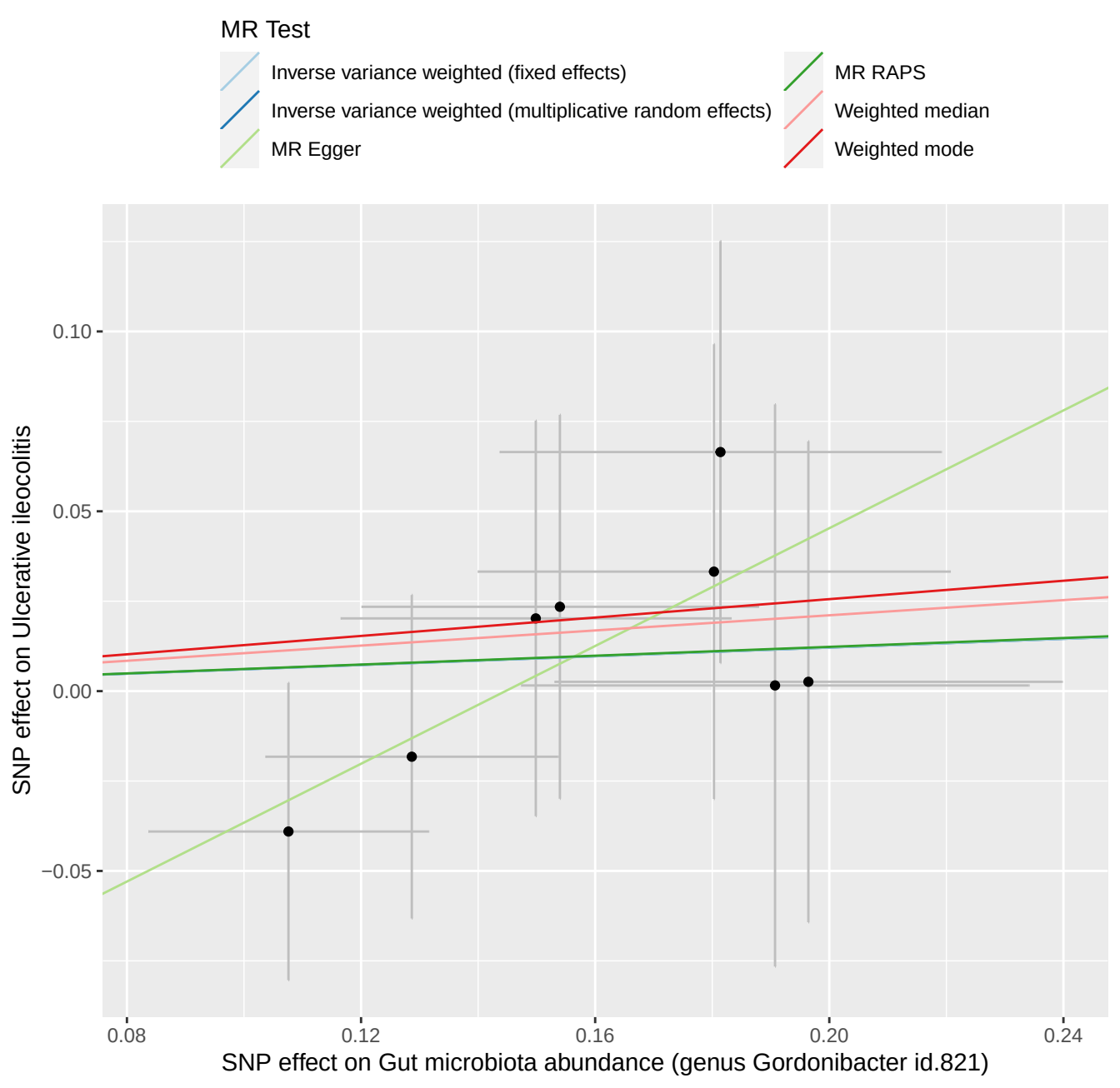

Batch 1131 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.4
0.2
0.0
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

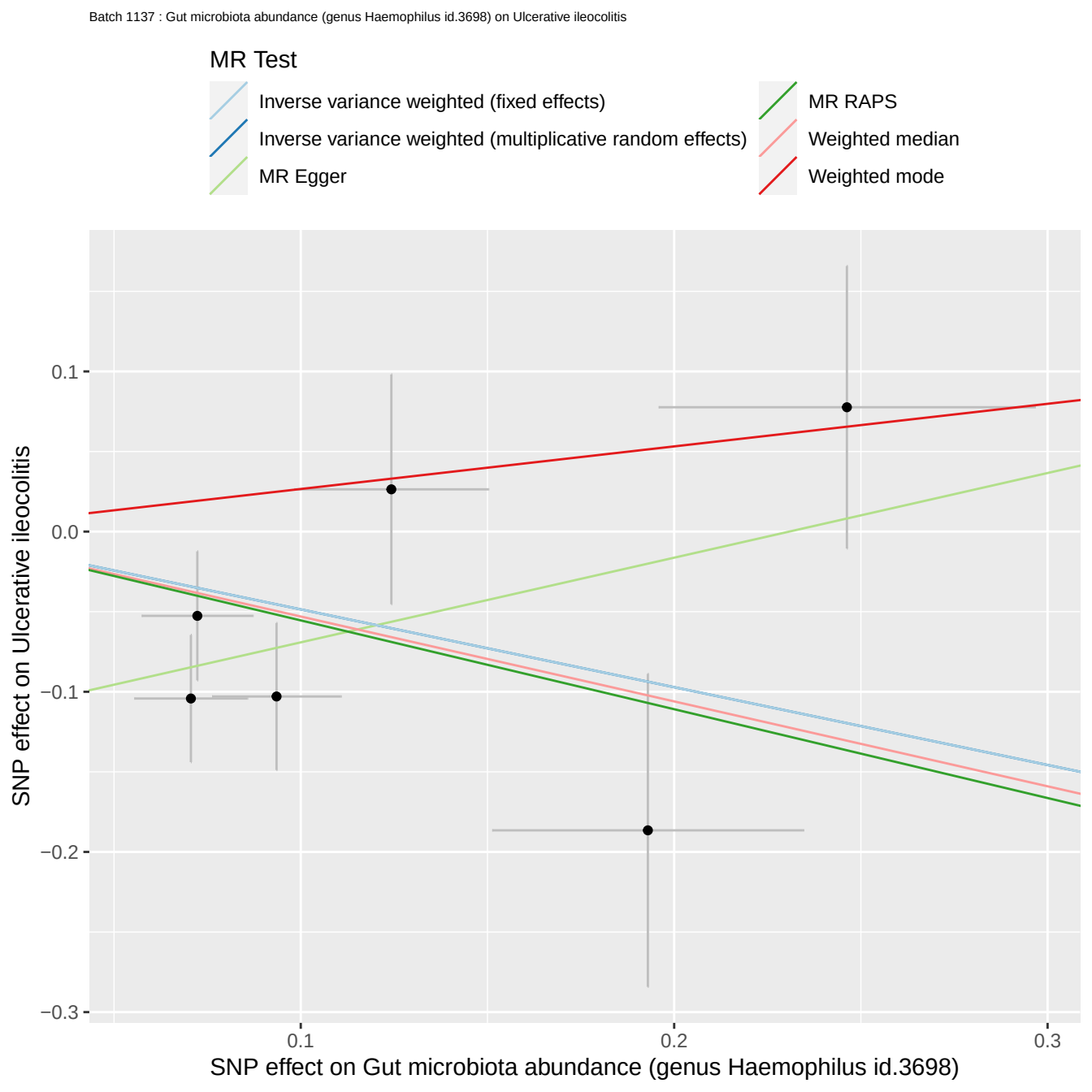

Batch 1132 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)


Batch 1133 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

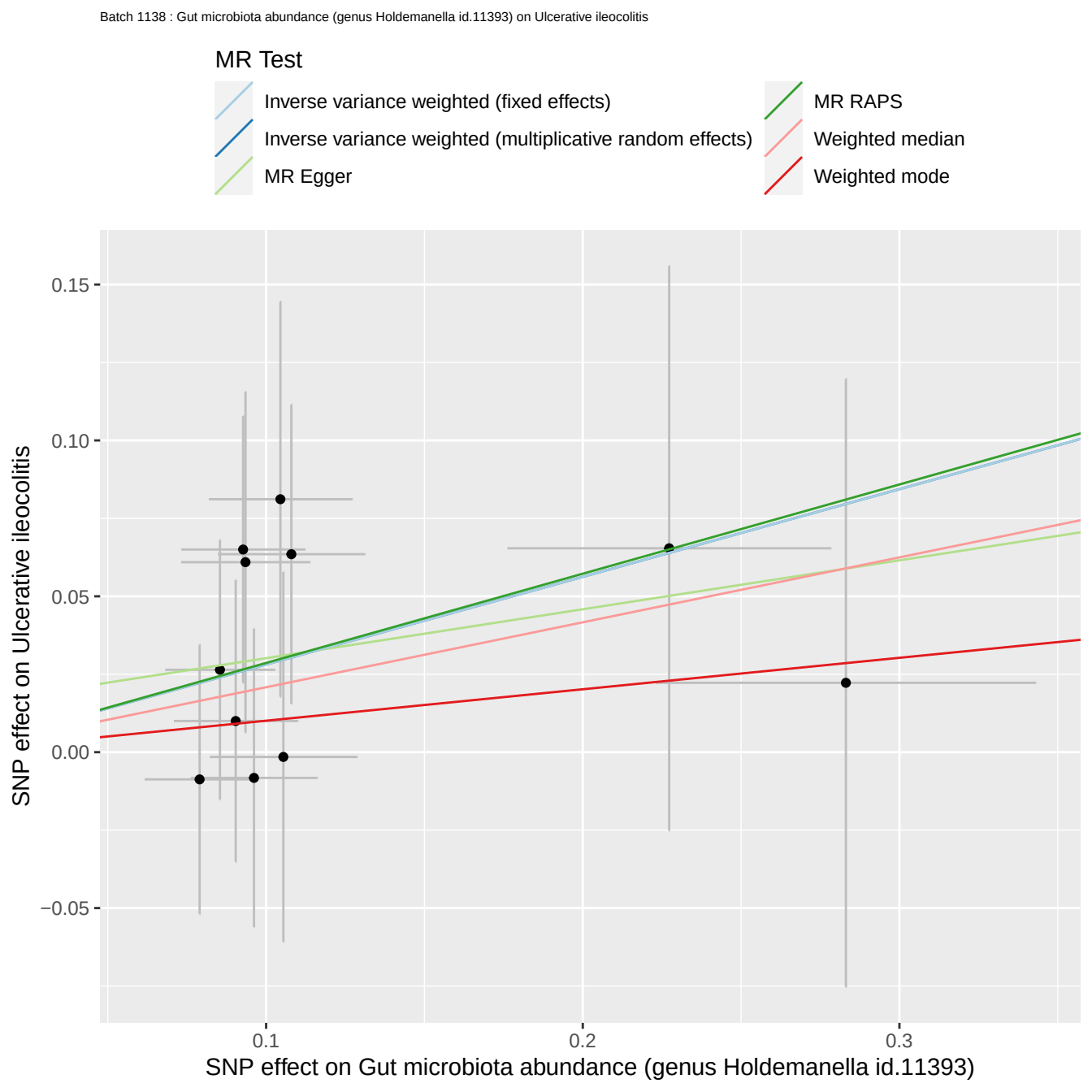

Batch 1134 : Gut microbiota abundance (genus Flavonifractor id.2059) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

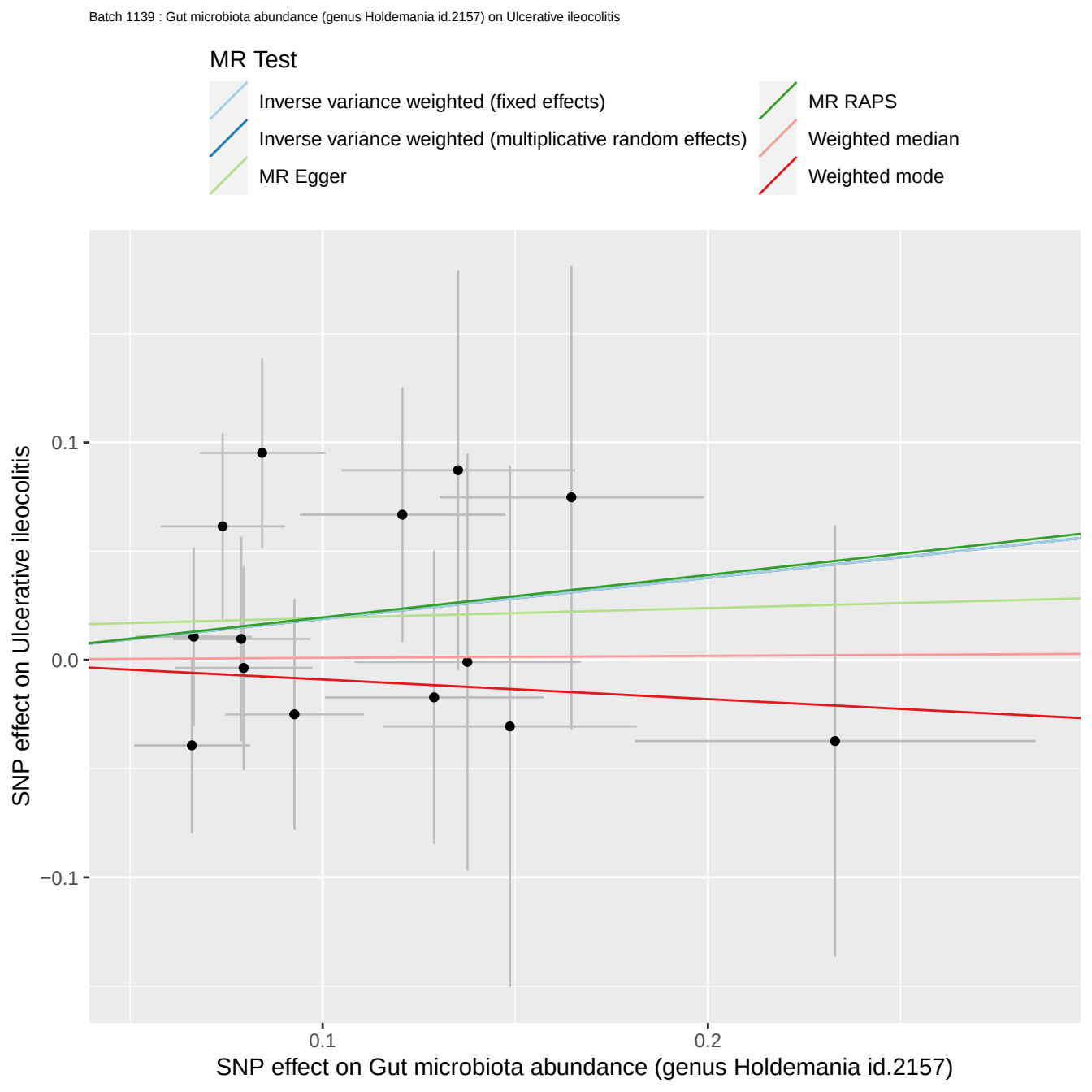

Batch 1135 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

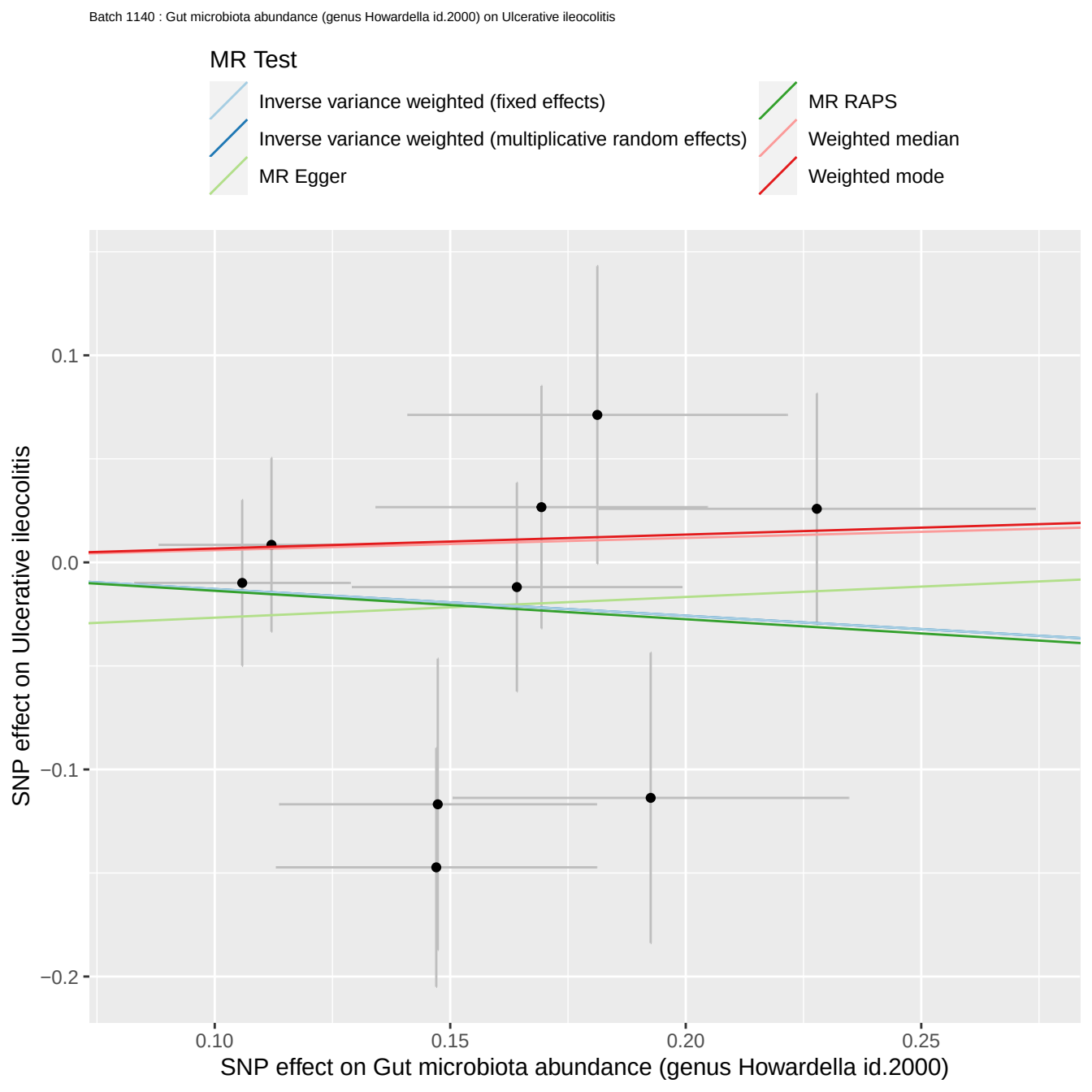

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

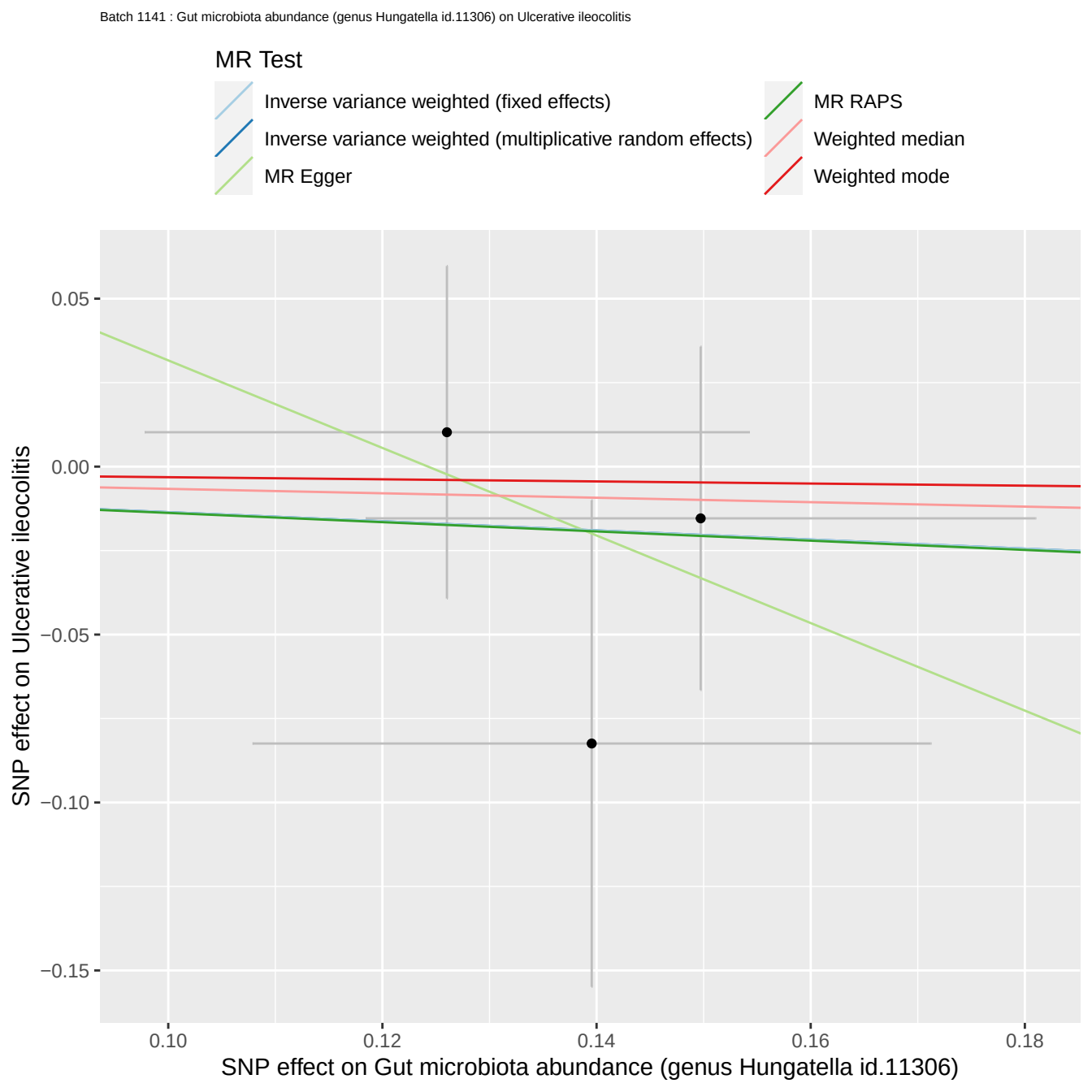

Batch 1137 : Gut microbiota abundance (genus Haemophilus id.3698) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

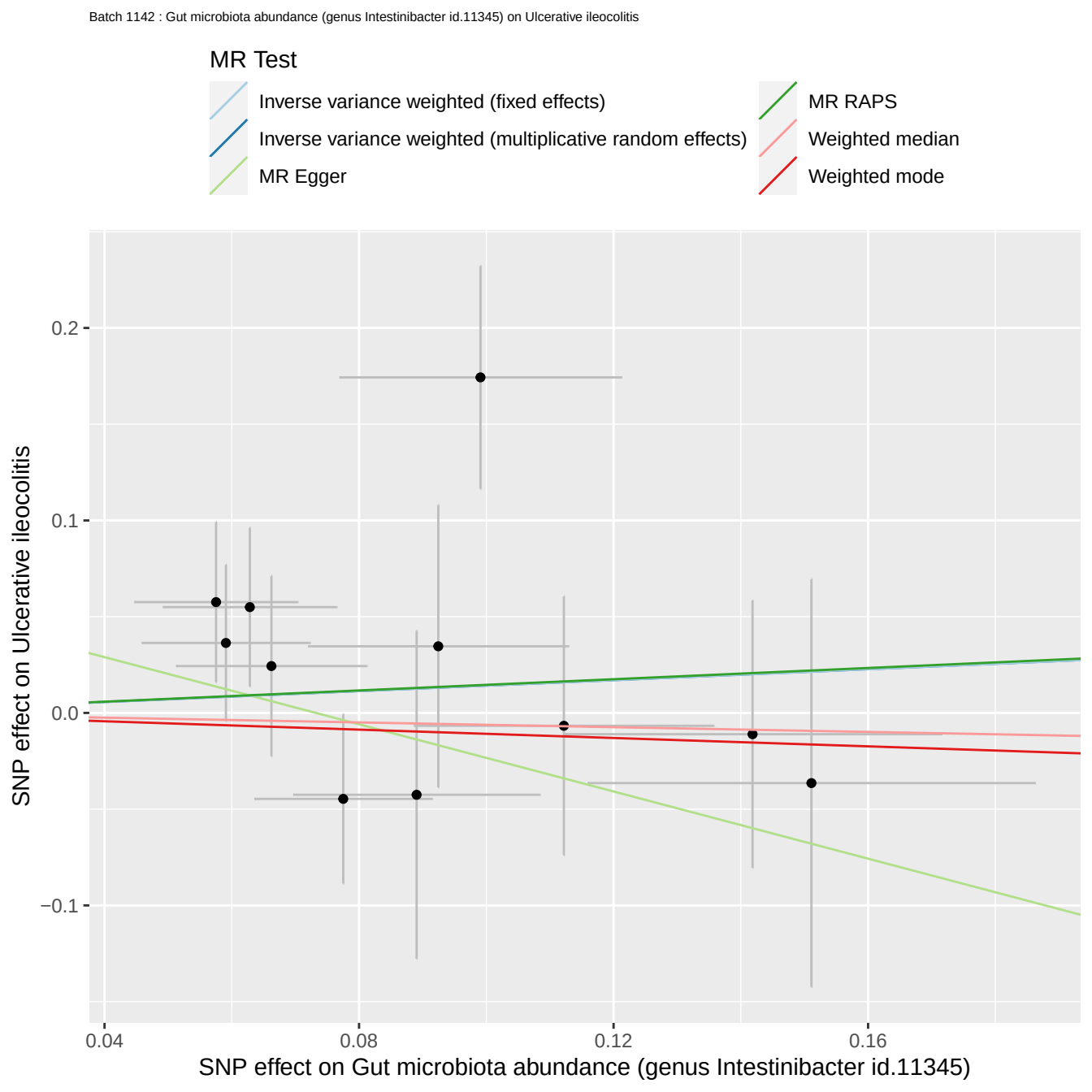
Batch 1138 : Gut microbiota abundance (genus Holdemanella id.11393) on Ulcerative ileocolitis

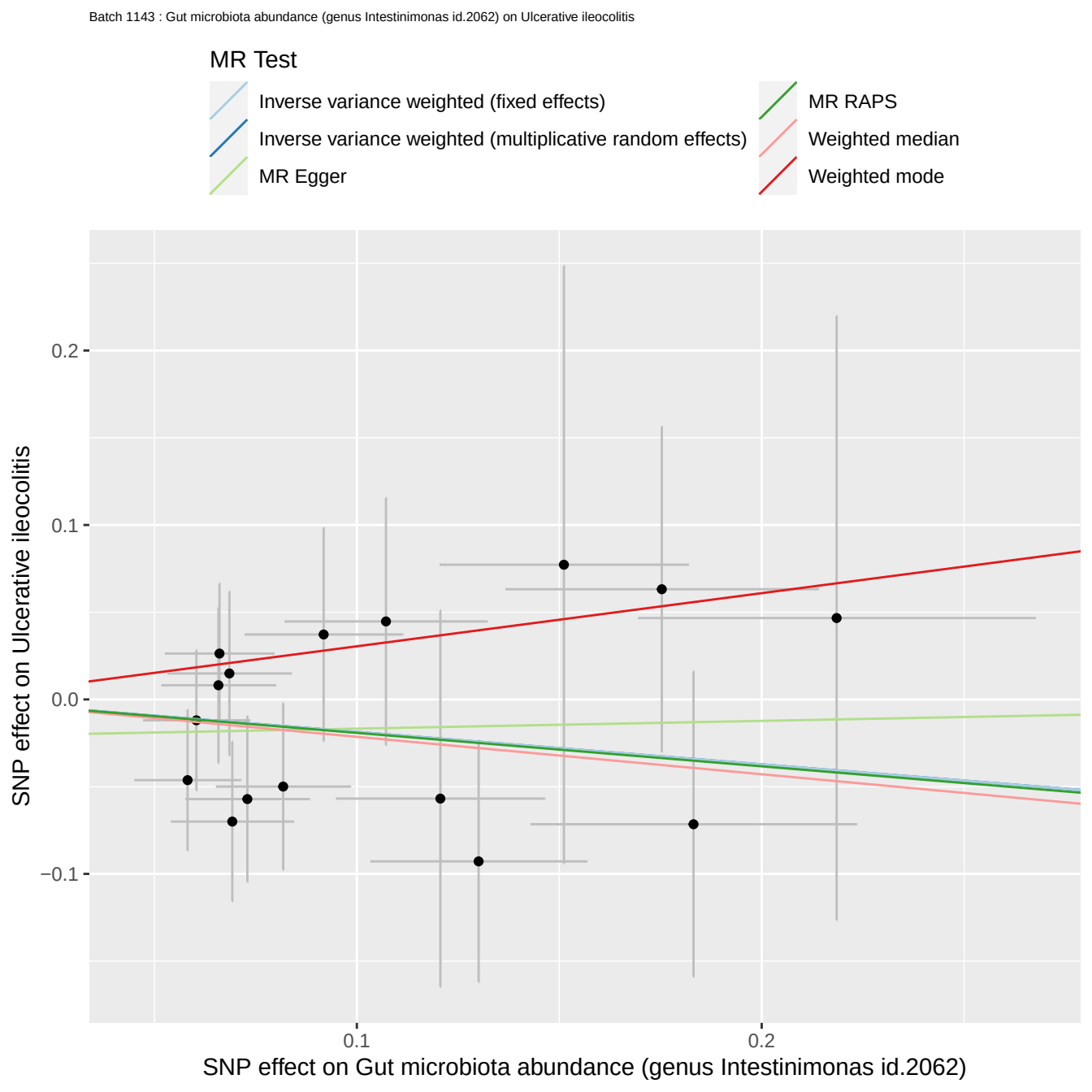


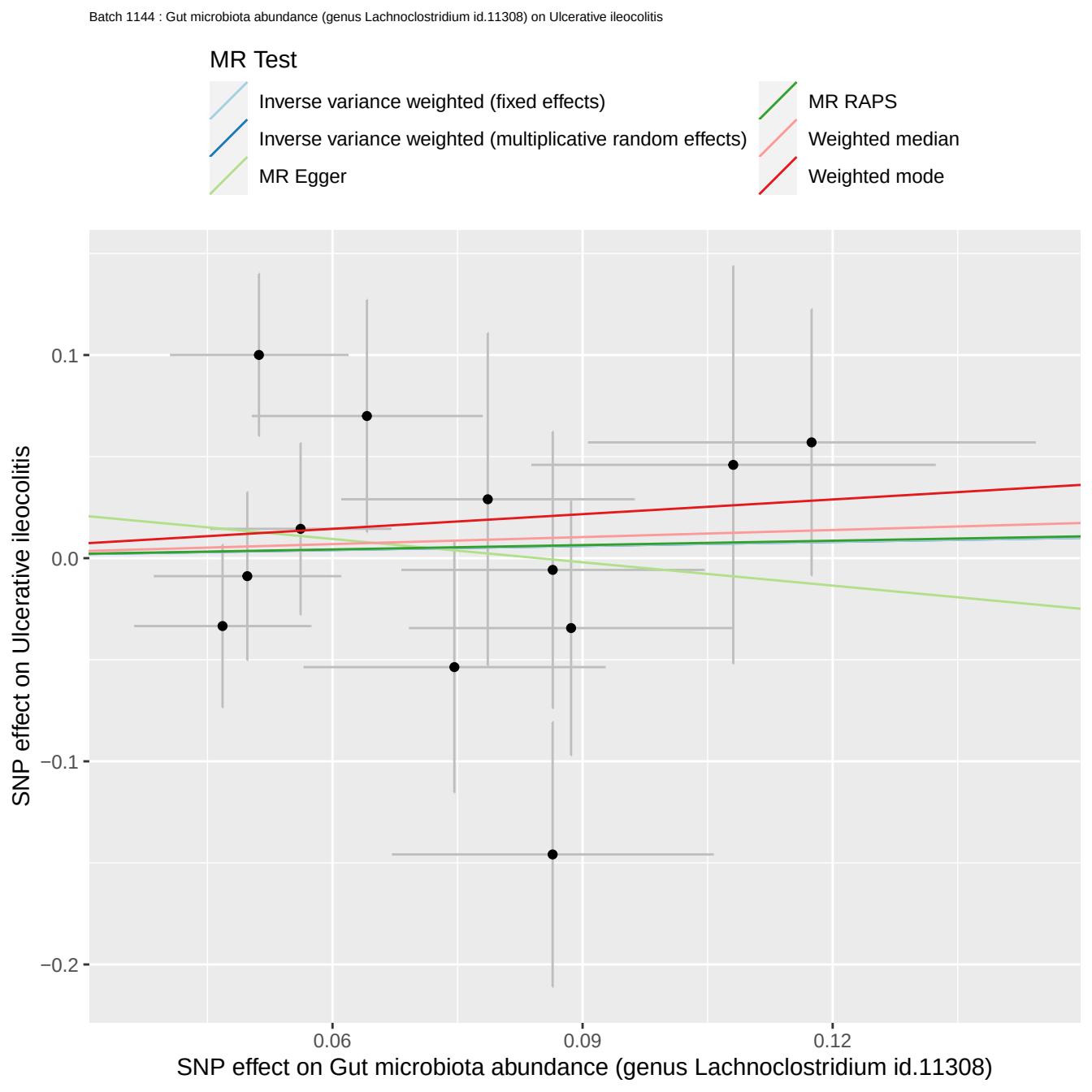

Batch 1139 : Gut microbiota abundance (genus Holdemania id.2157) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

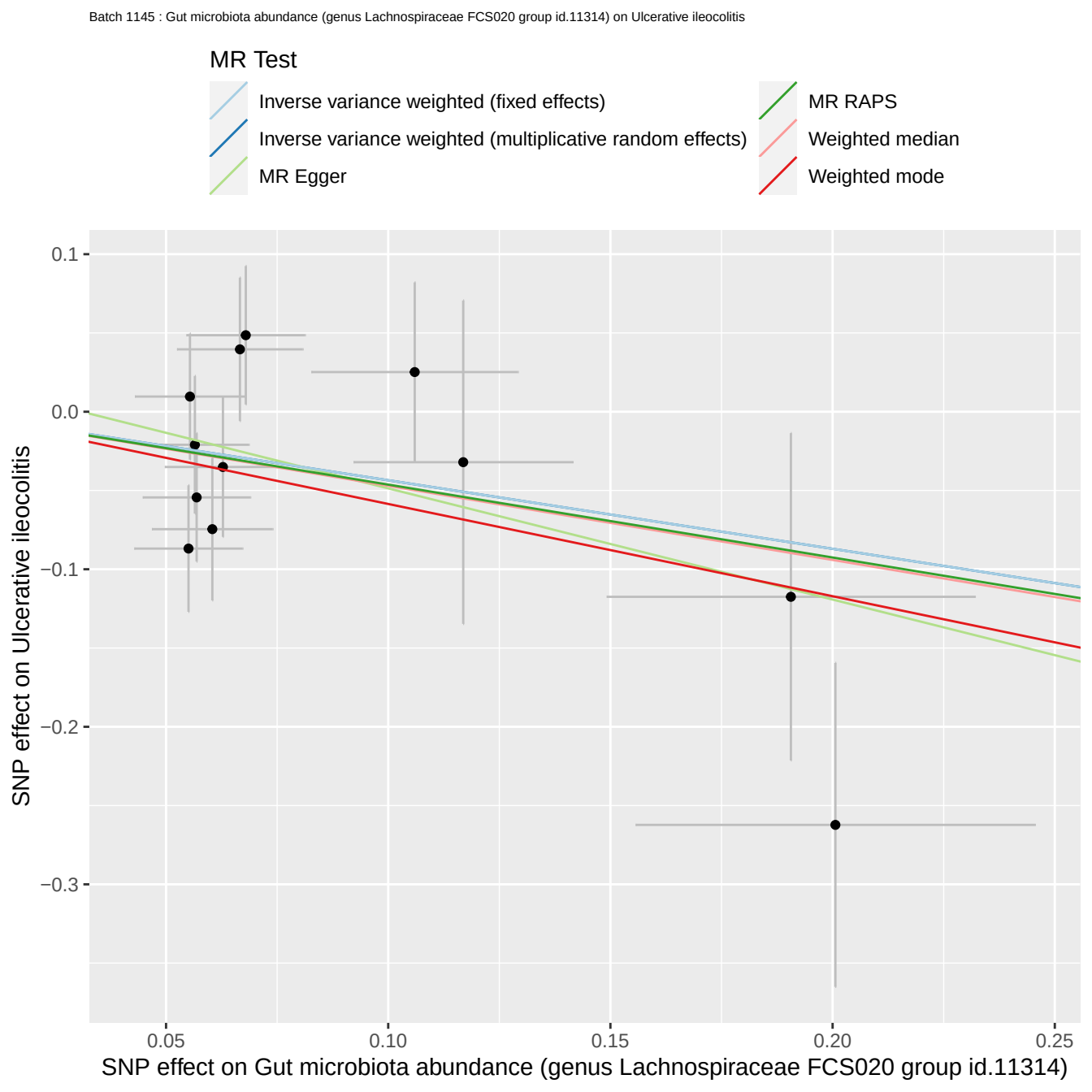

Batch 1140 : Gut microbiota abundance (genus Howardella id.2000) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

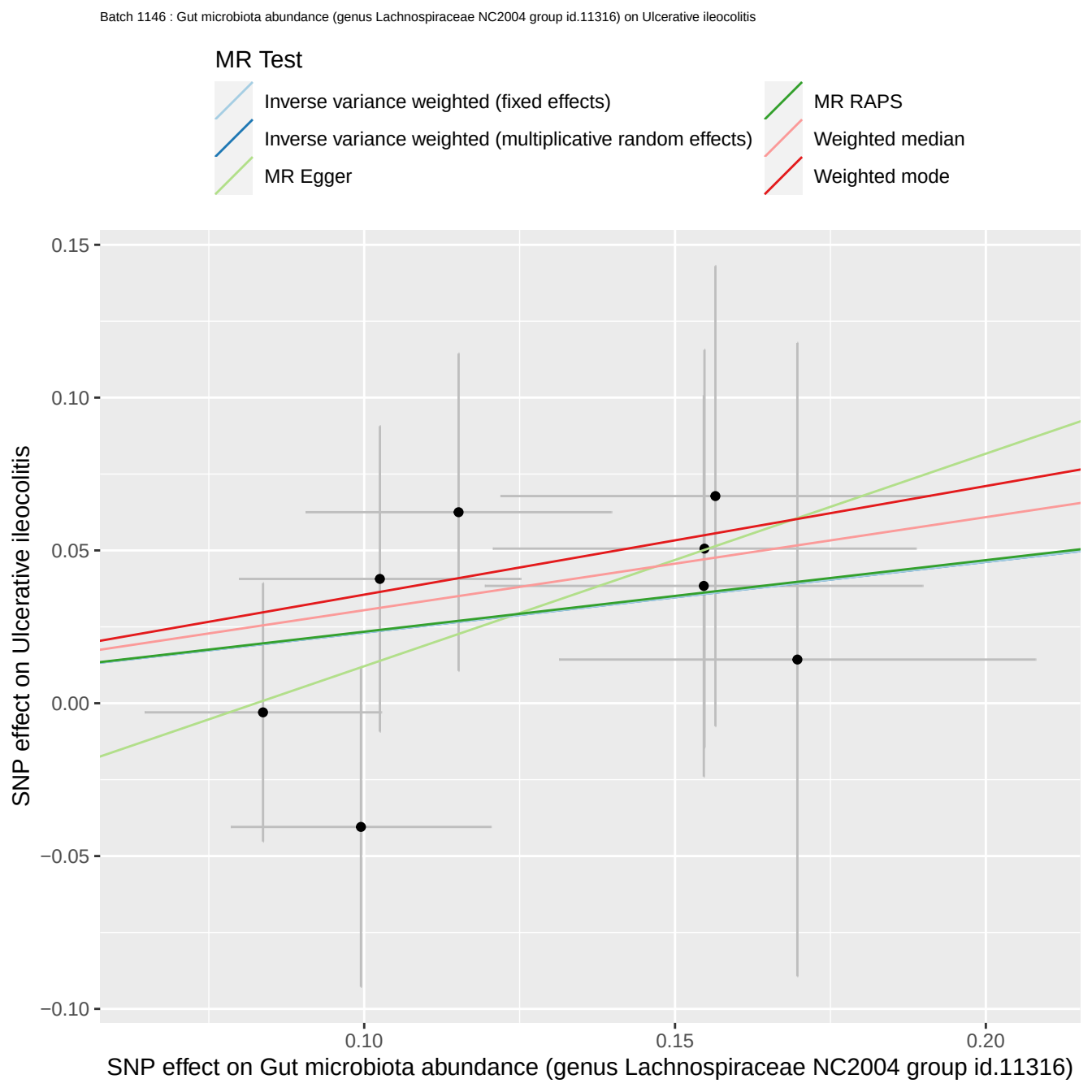

Batch 1141 : Gut microbiota abundance (genus Hungatella id.11306) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.05
0.00
−0.05
−0.10
−0.15
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)

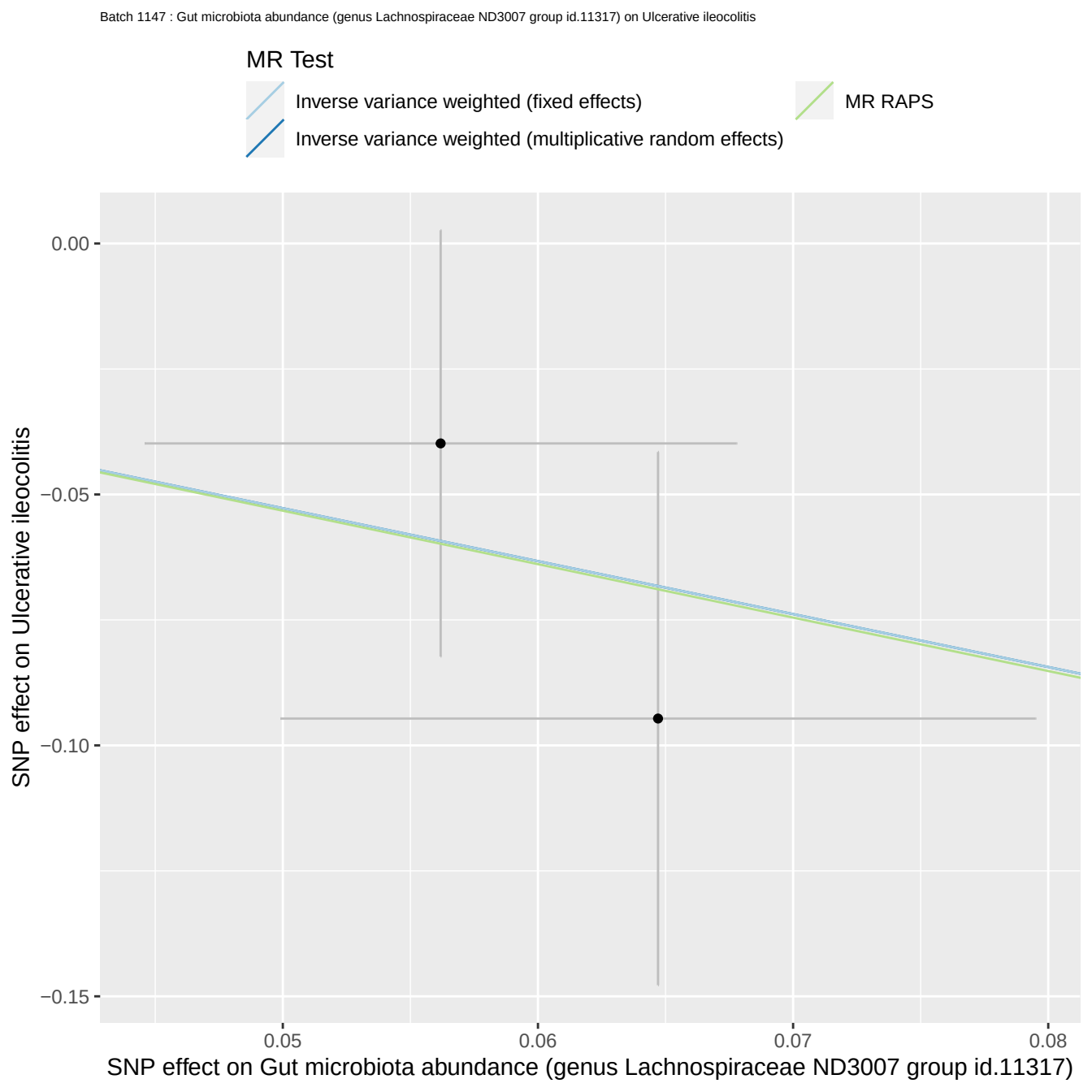

Batch 1142 : Gut microbiota abundance (genus Intestinibacter id.11345) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)


Batch 1143 : Gut microbiota abundance (genus Intestinimonas id.2062) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

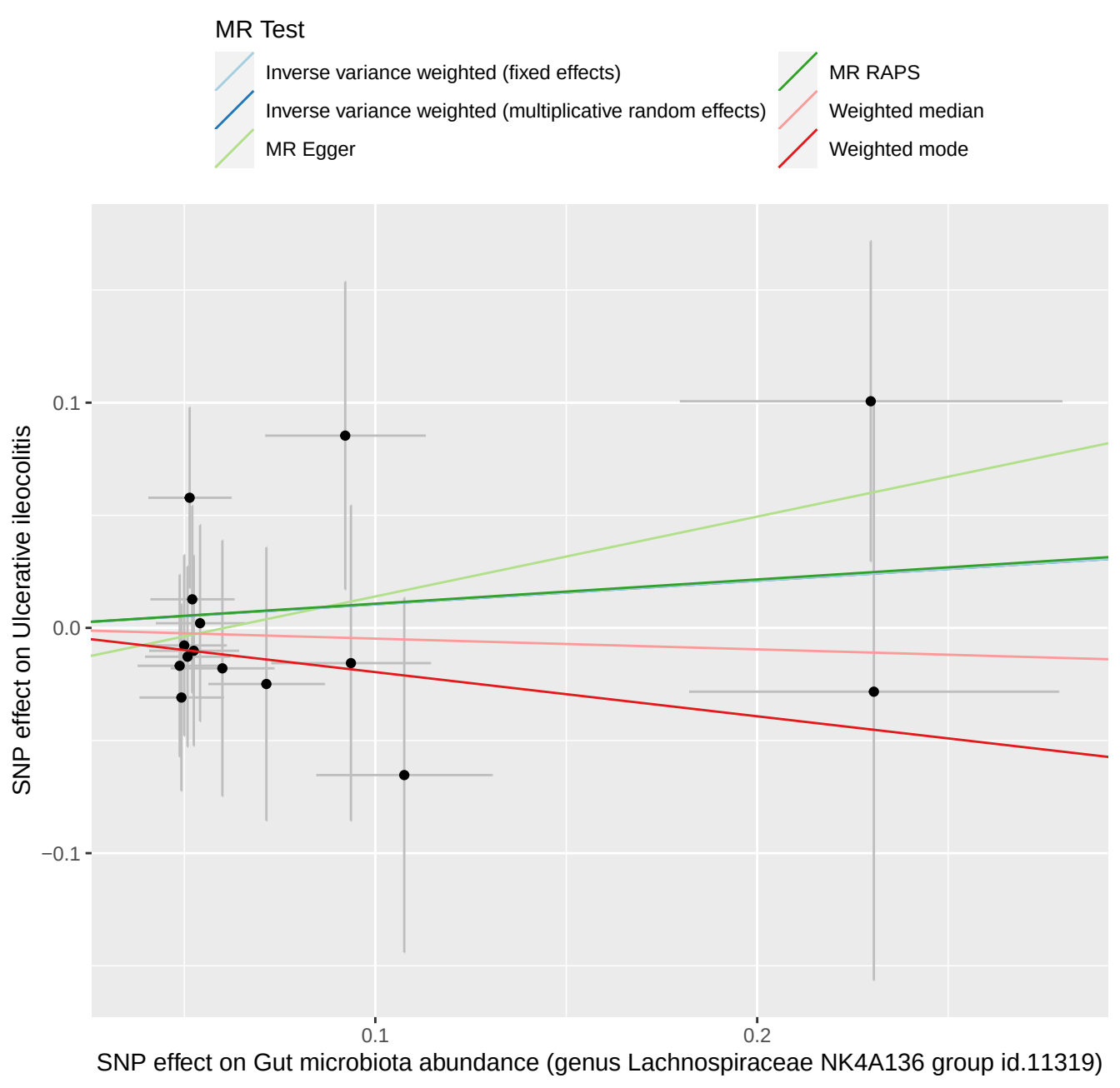

Batch 1144 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (genus Lachnoclostridium id.11308)

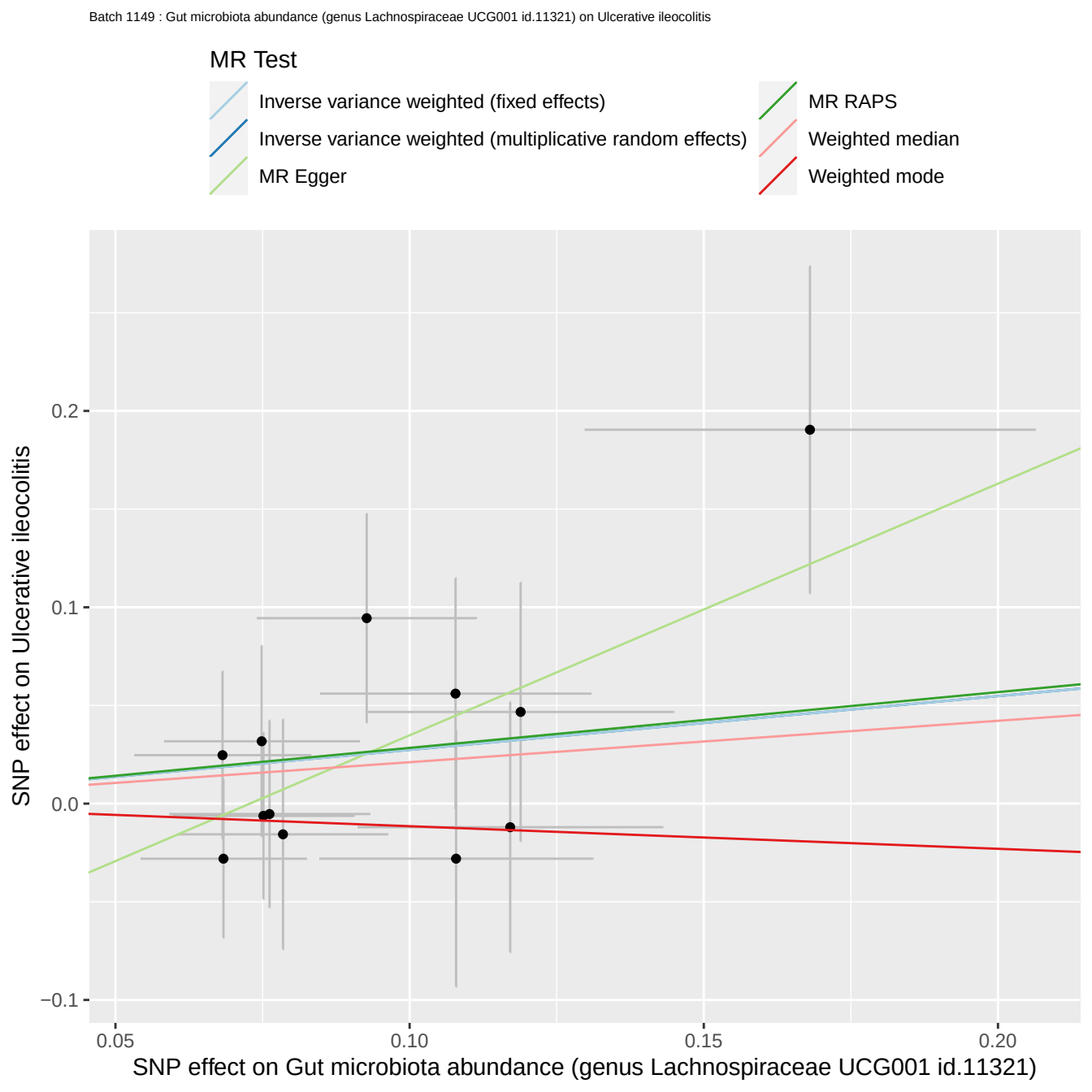

Batch 1145 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

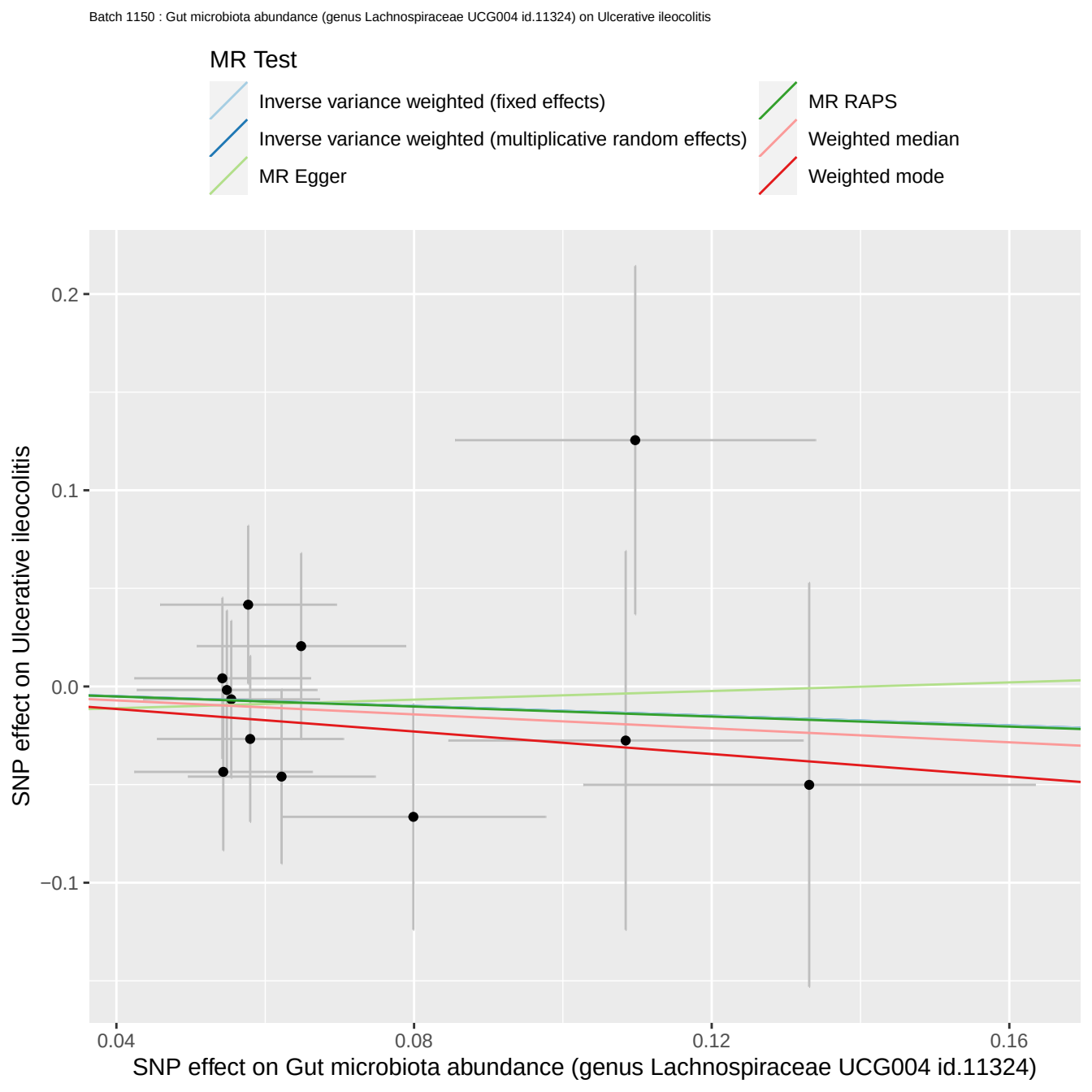

Batch 1146 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)


Batch 1147 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative ileocolitis
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)

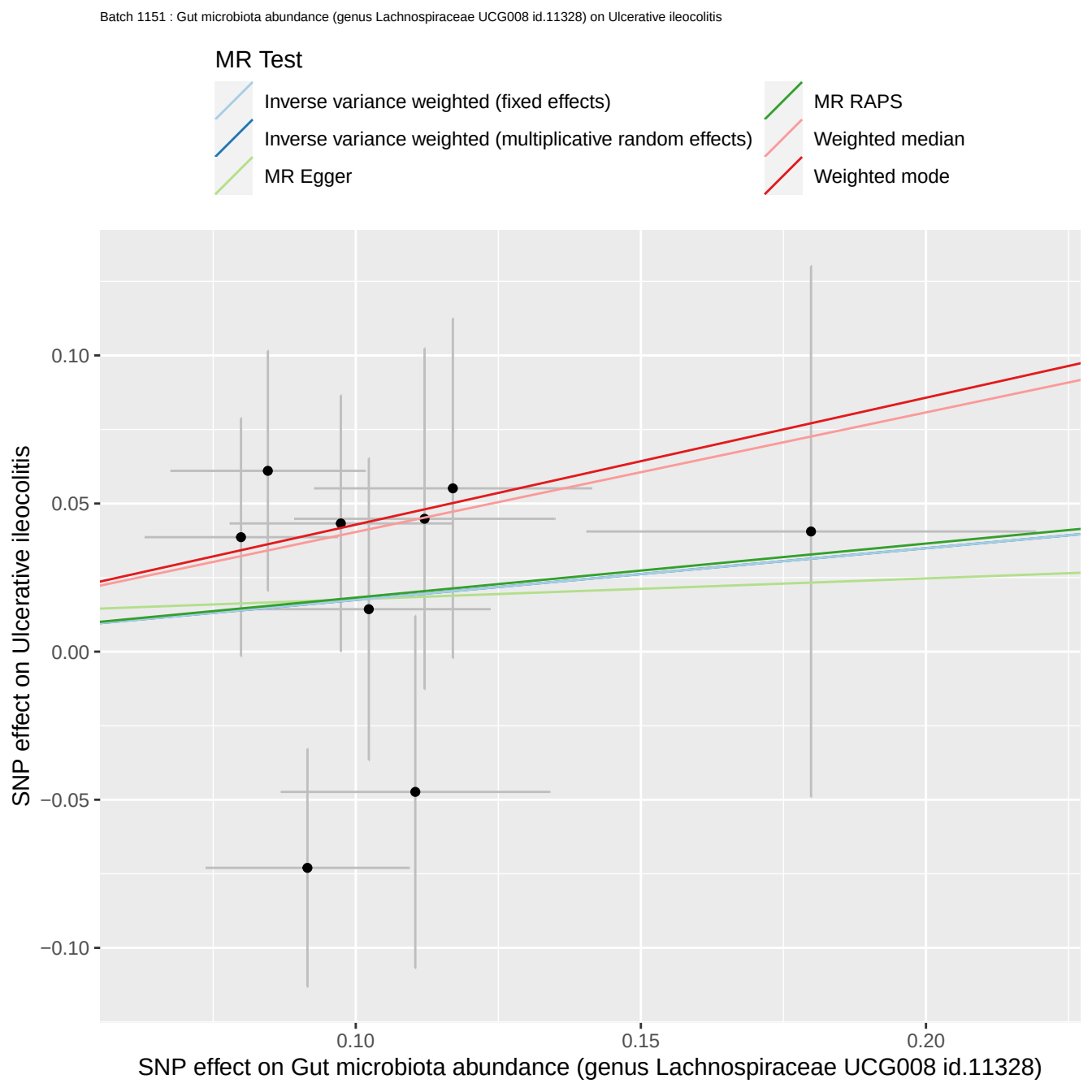
Batch 1148 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Ulcerative ileocolitis

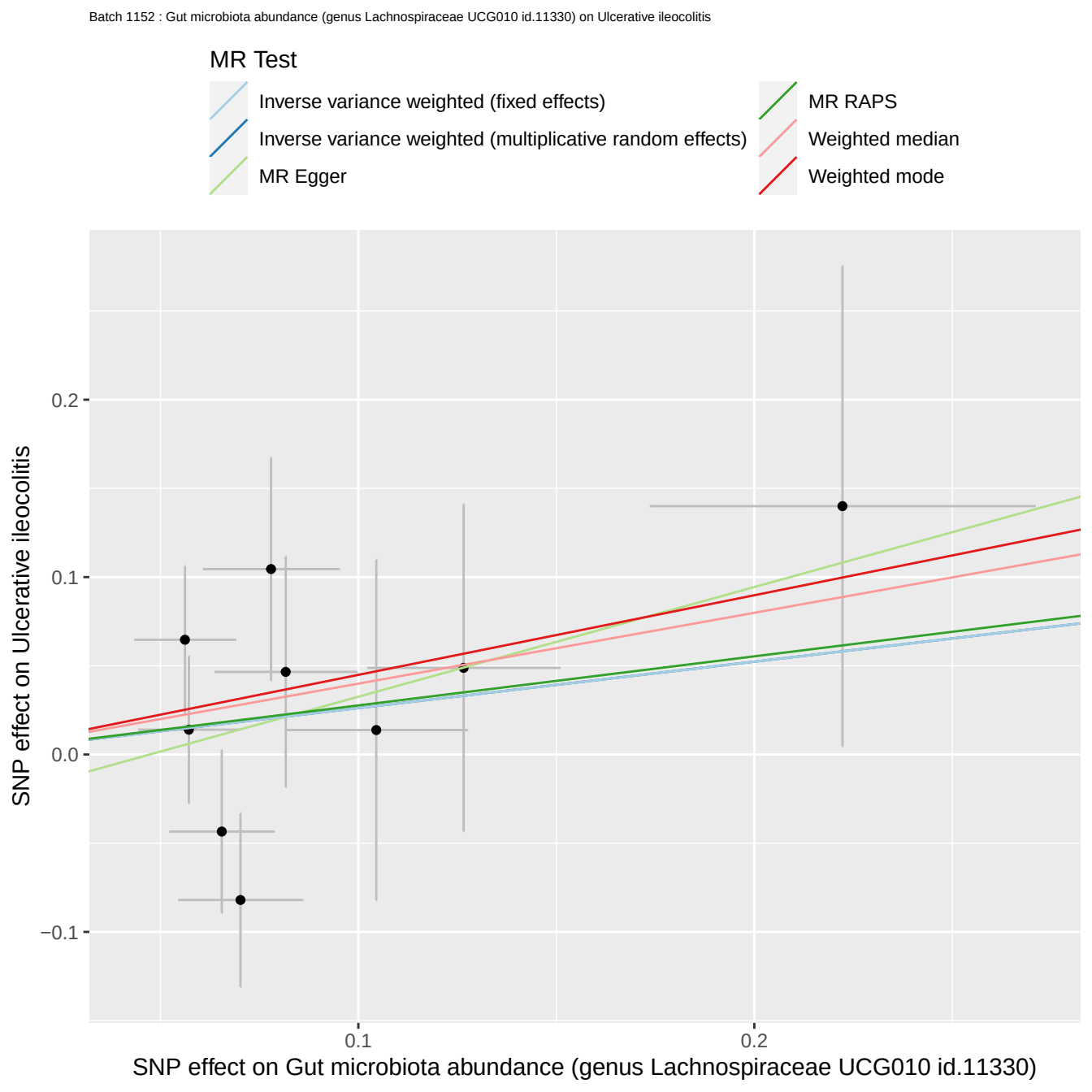



Batch 1149 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)

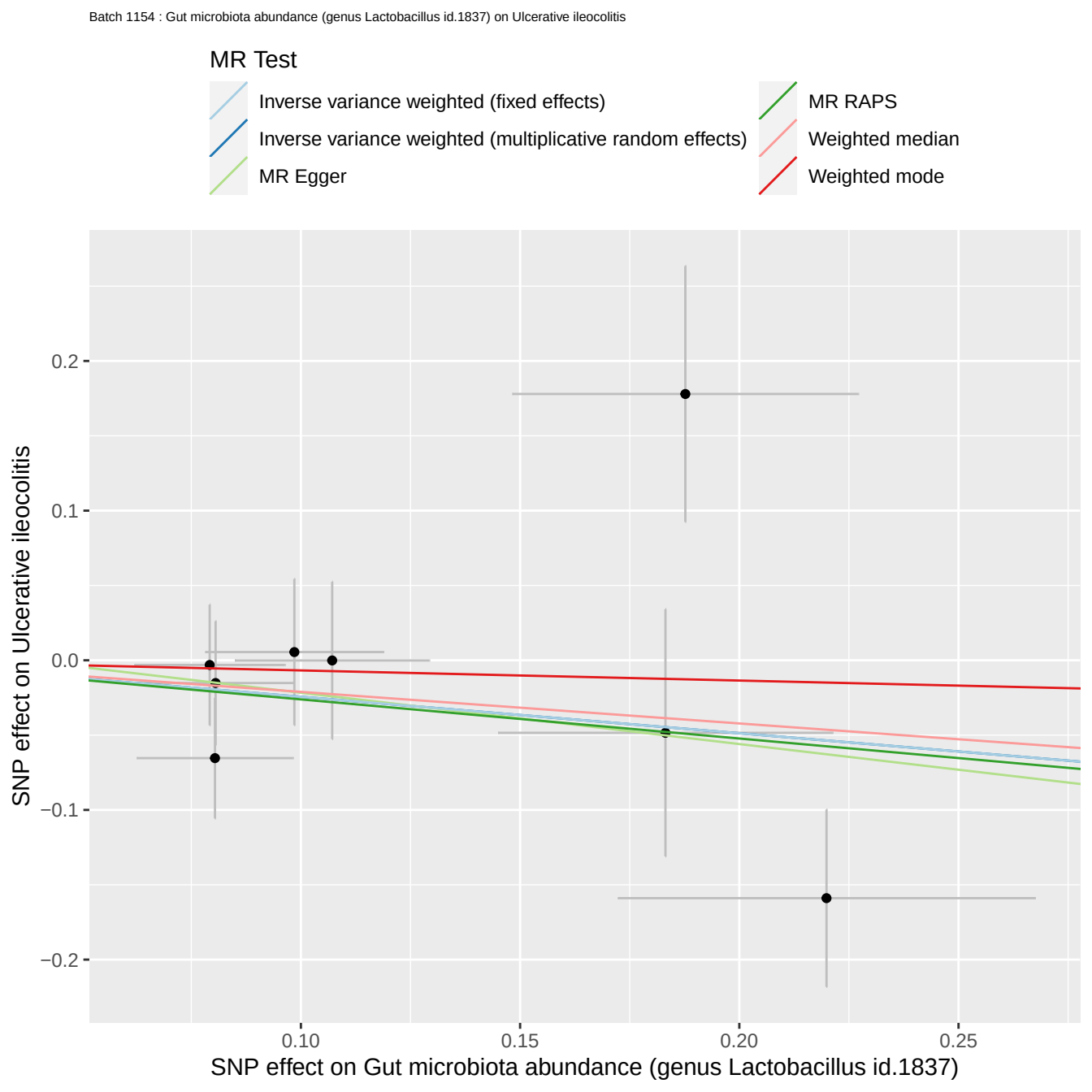

Batch 1150 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

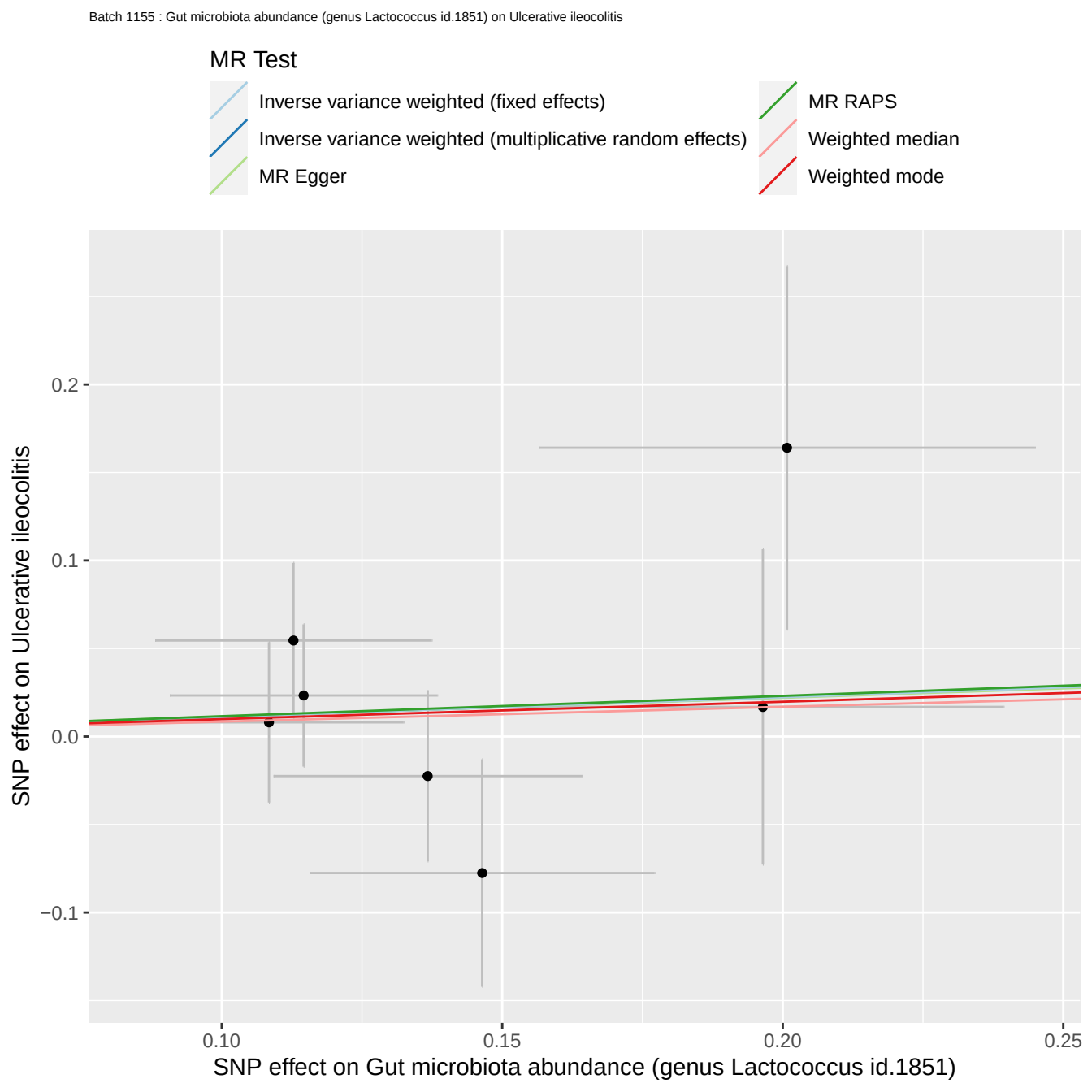
Batch 1151 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Ulcerative ileocolitis

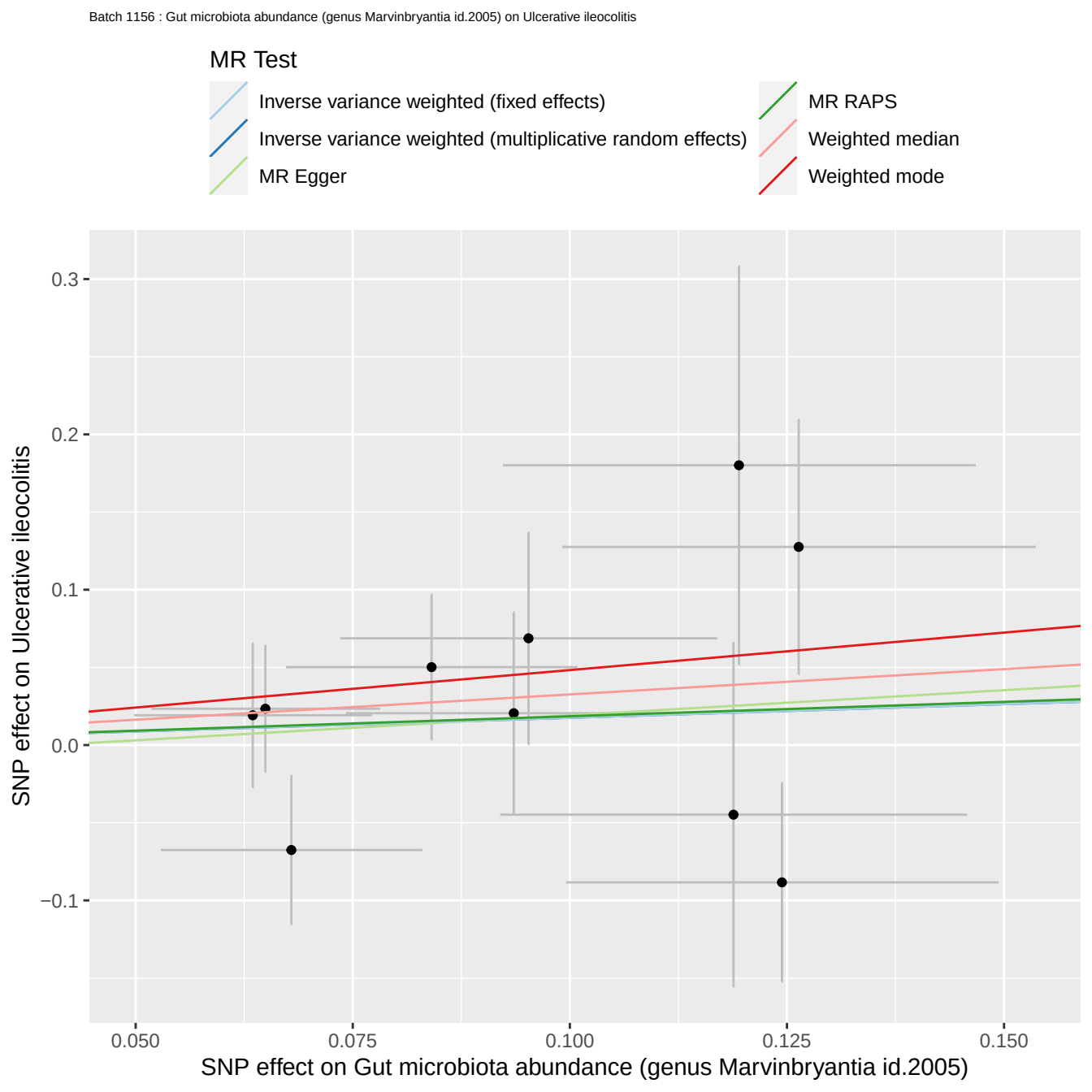


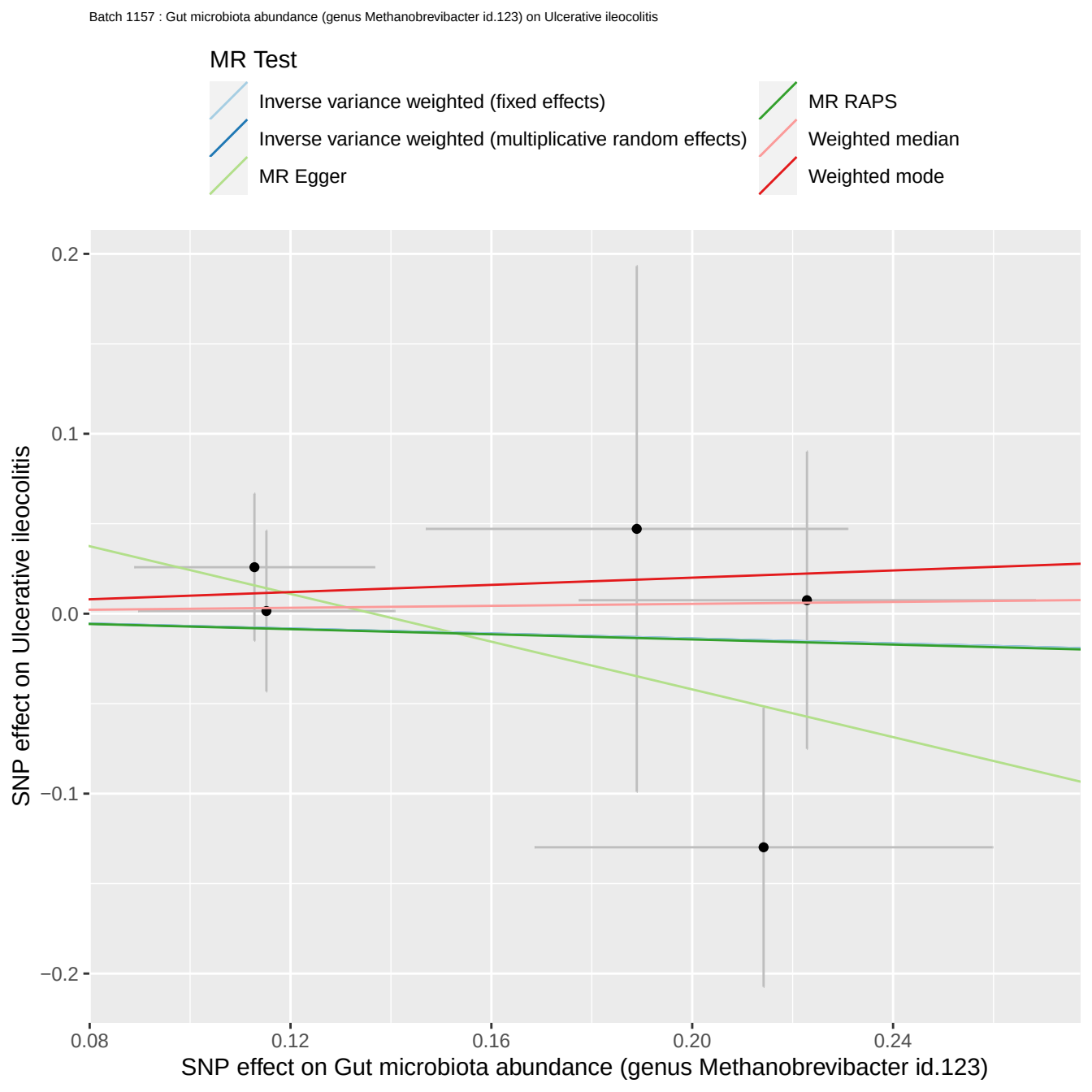

Batch 1152 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330)

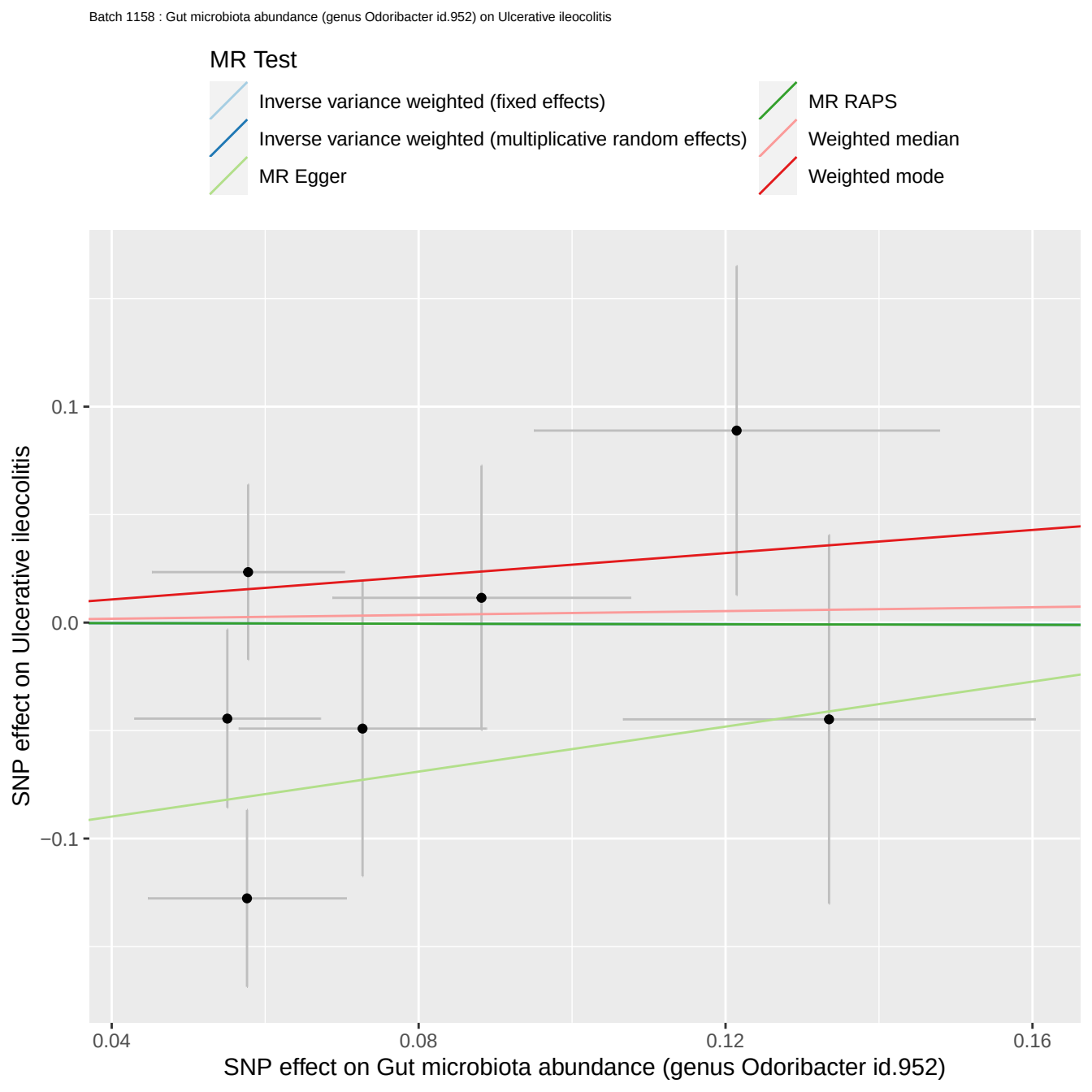
Insufficient number of SNPs

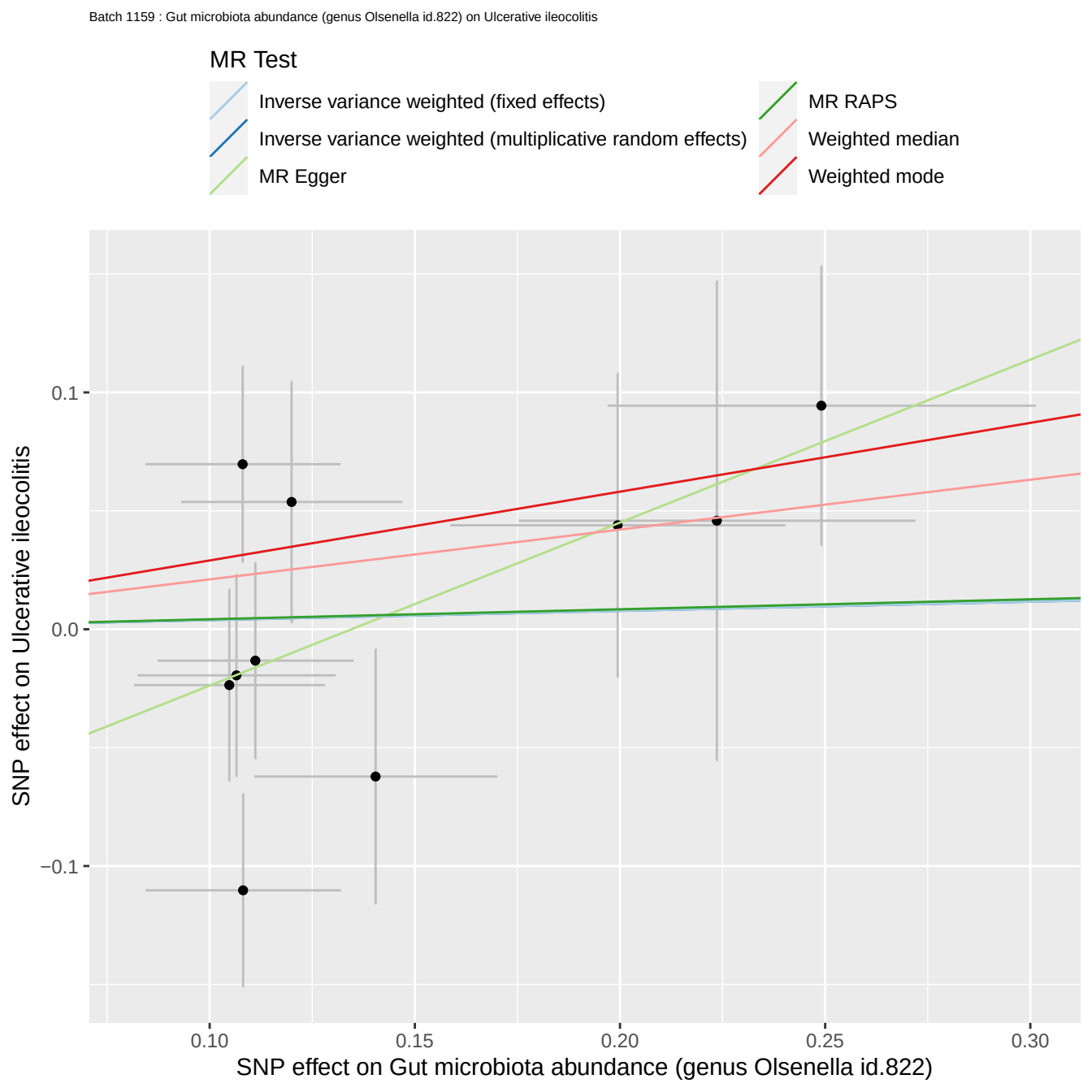

Batch 1154 : Gut microbiota abundance (genus Lactobacillus id.1837) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

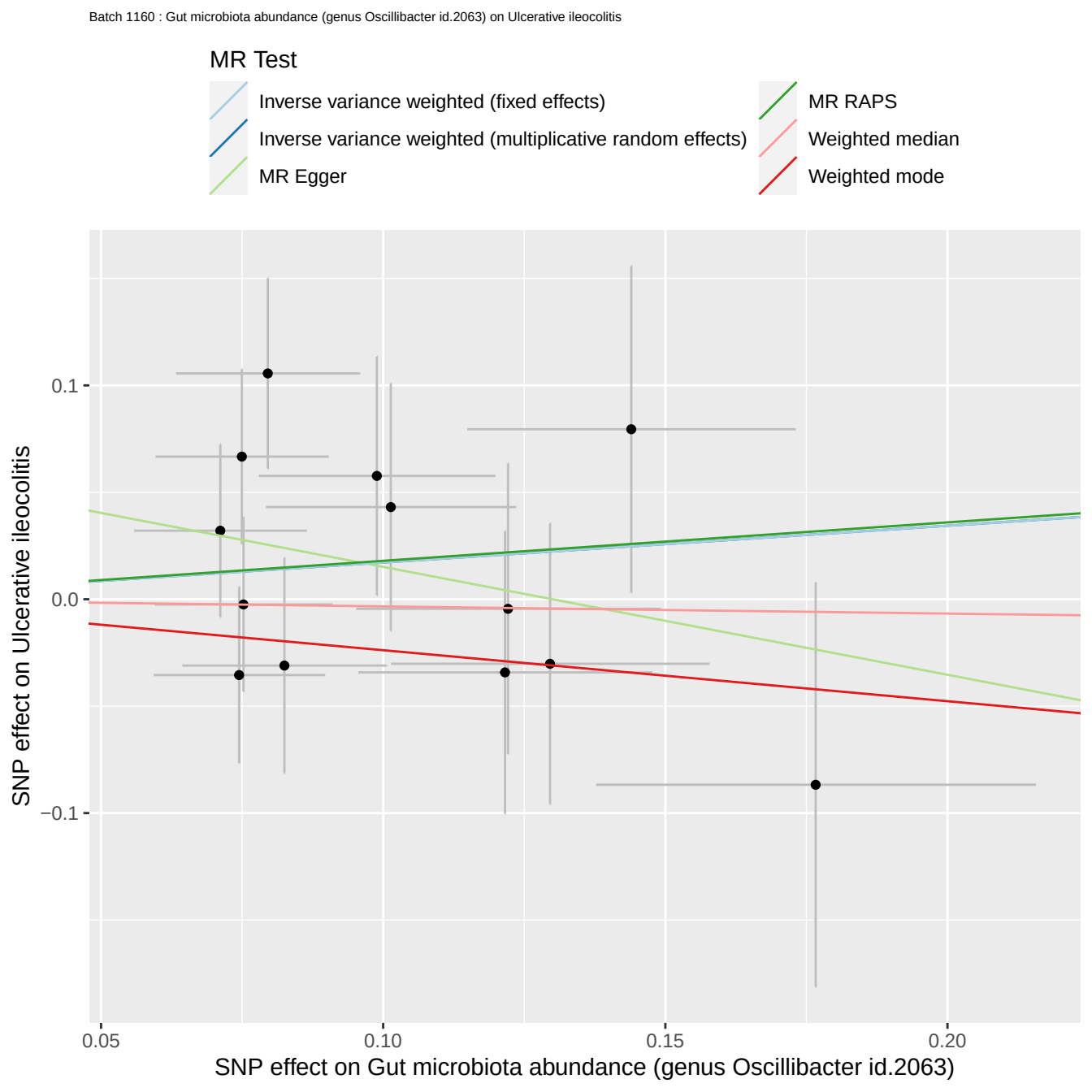

Batch 1155 : Gut microbiota abundance (genus Lactococcus id.1851) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

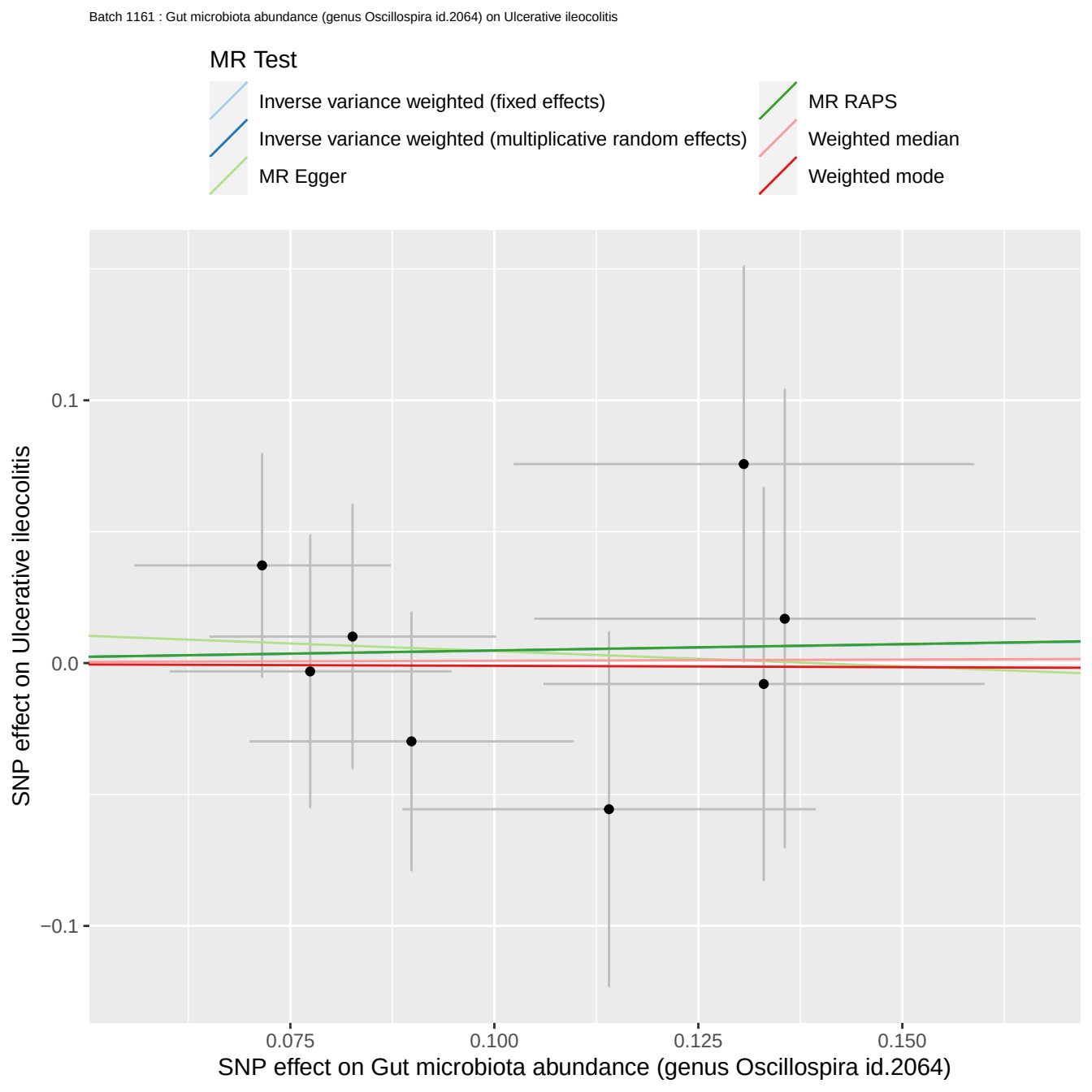

Batch 1156 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.3
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

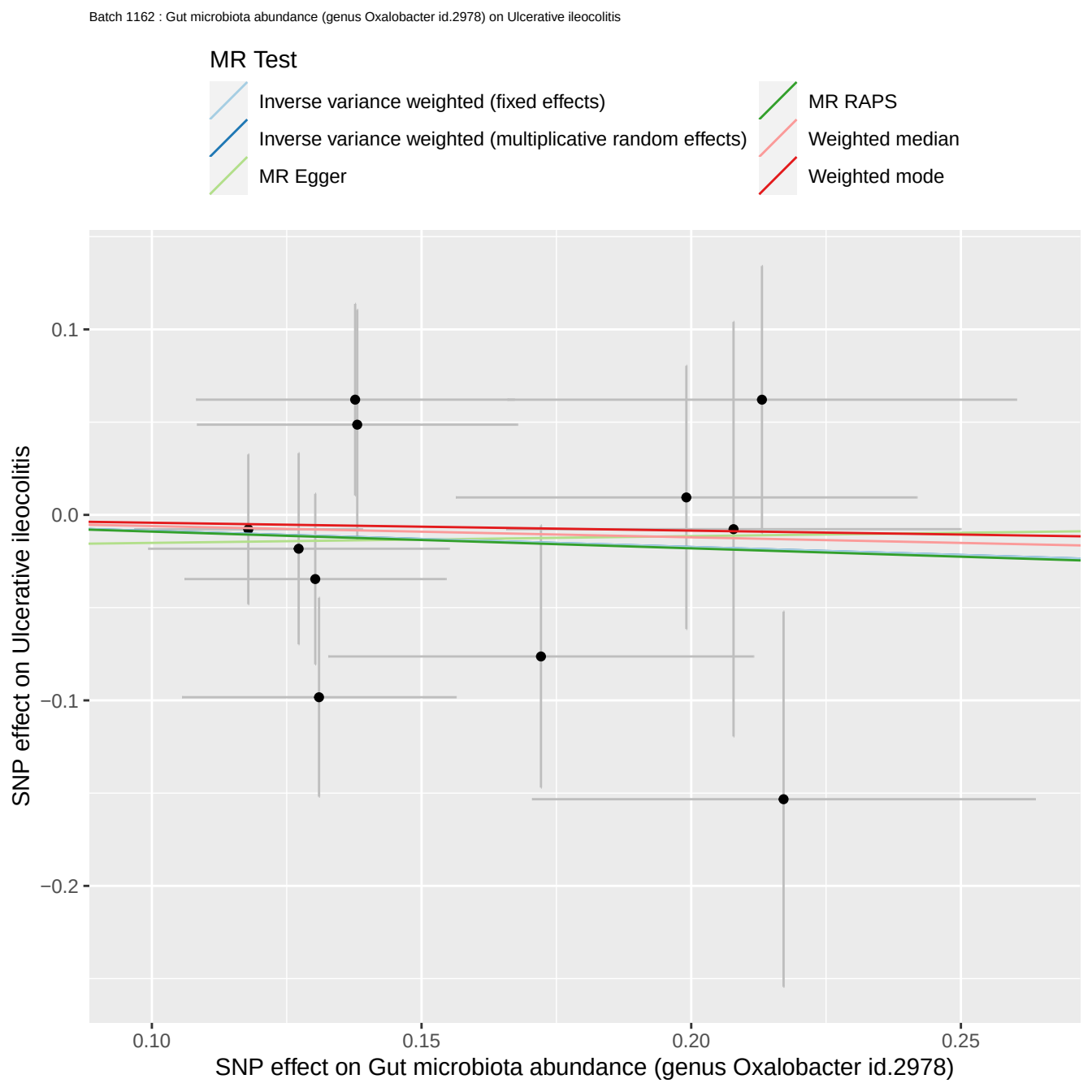

Batch 1157 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

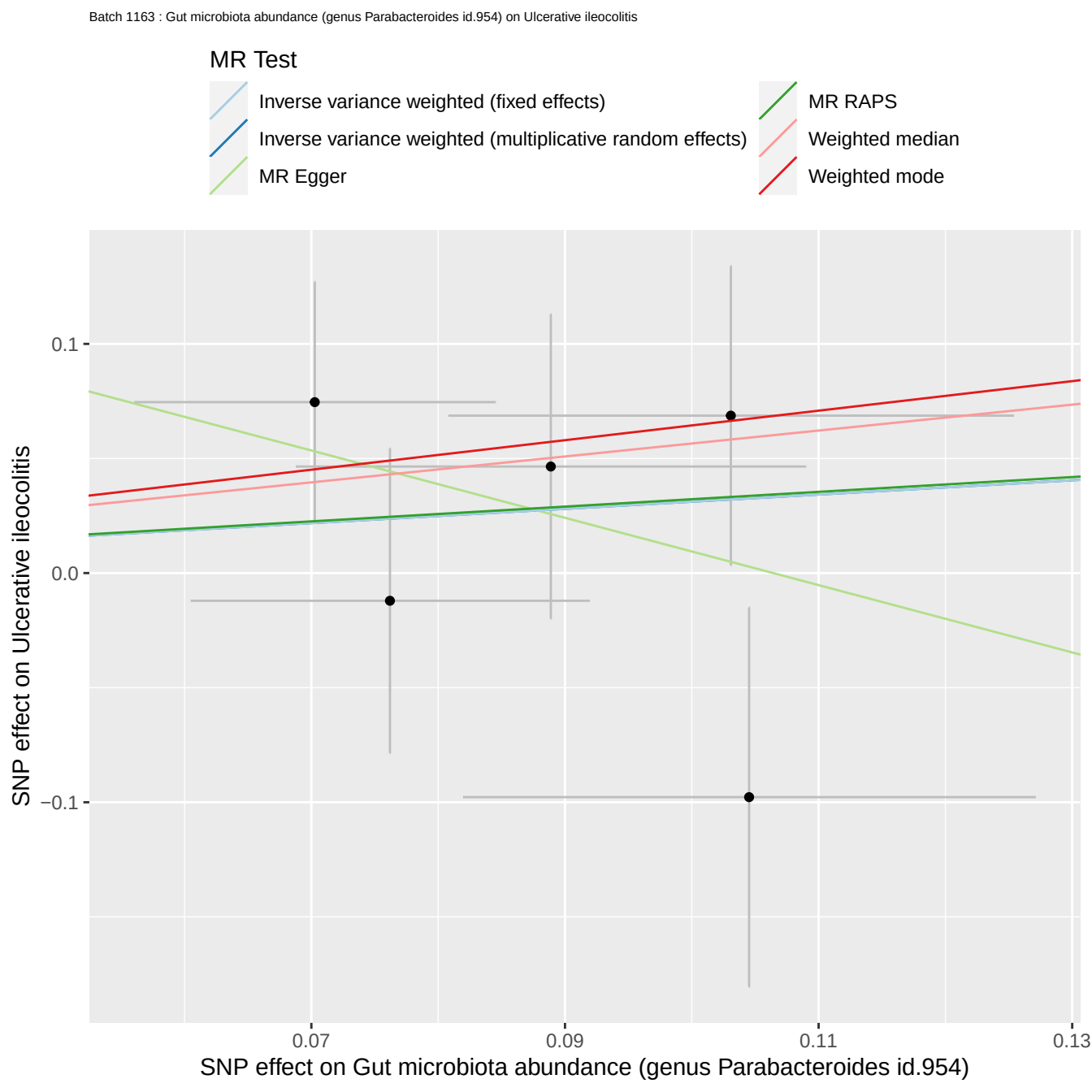

Batch 1158 : Gut microbiota abundance (genus Odoribacter id.952) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

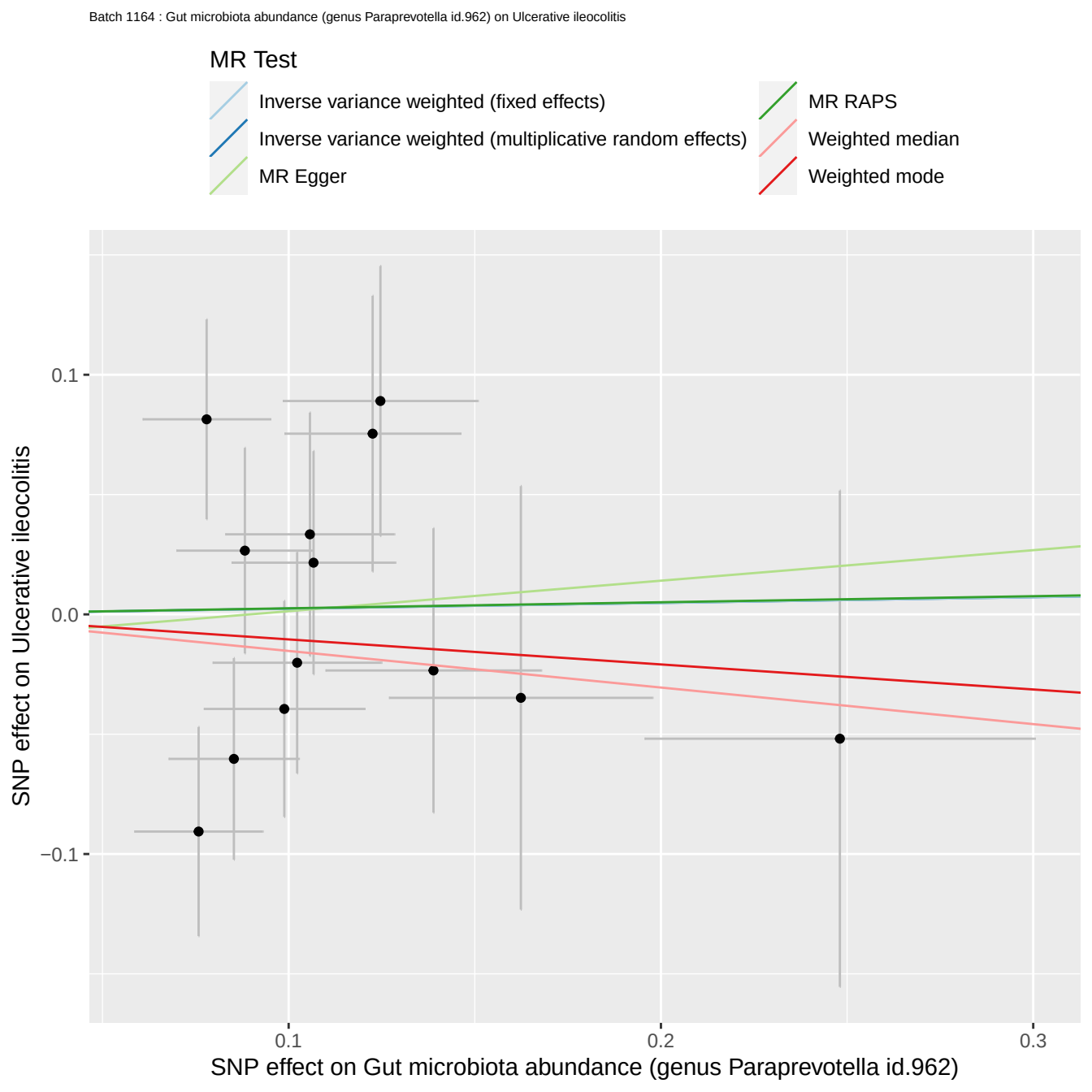

Batch 1159 : Gut microbiota abundance (genus Olsenella id.822) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

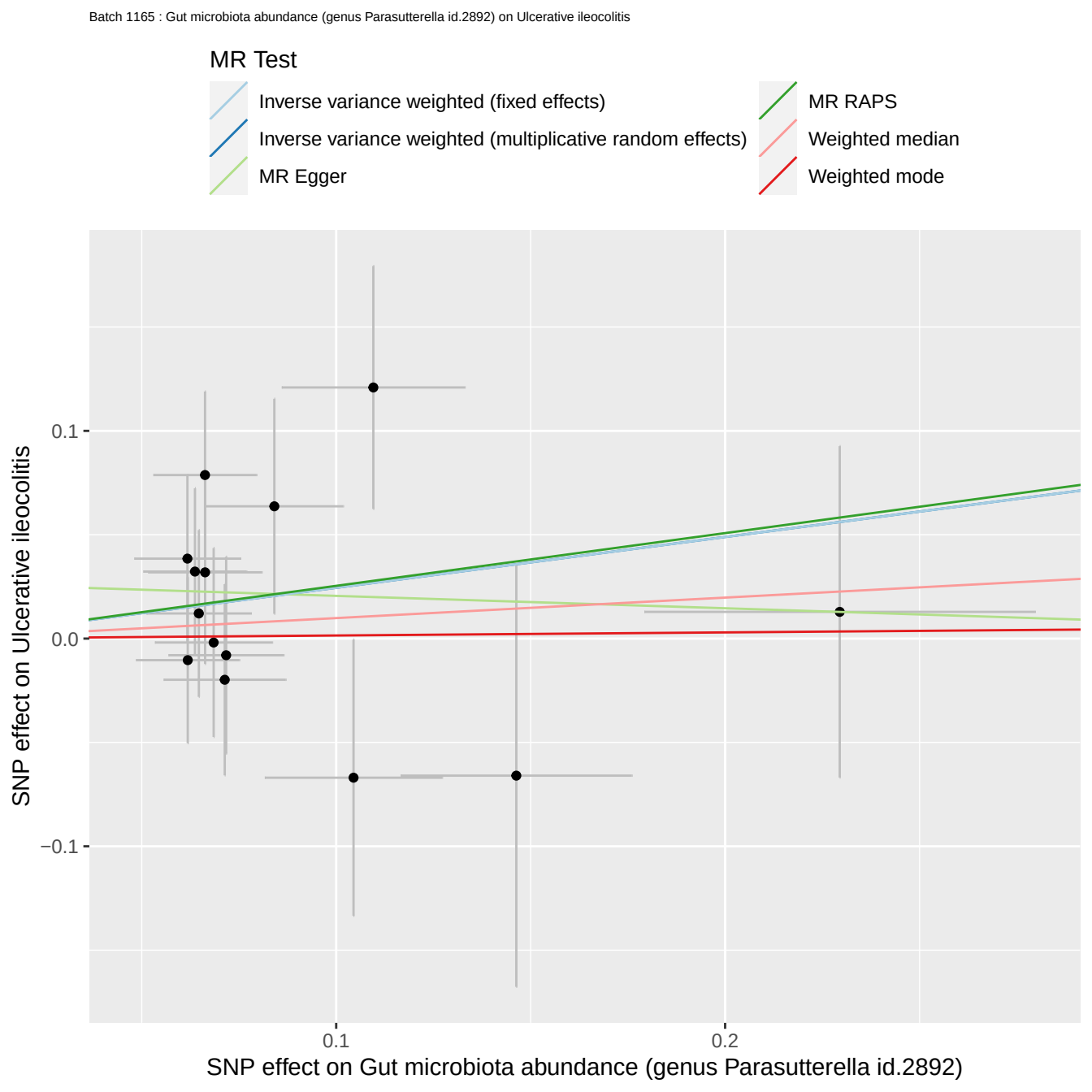

Batch 1160 : Gut microbiota abundance (genus Oscillibacter id.2063) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

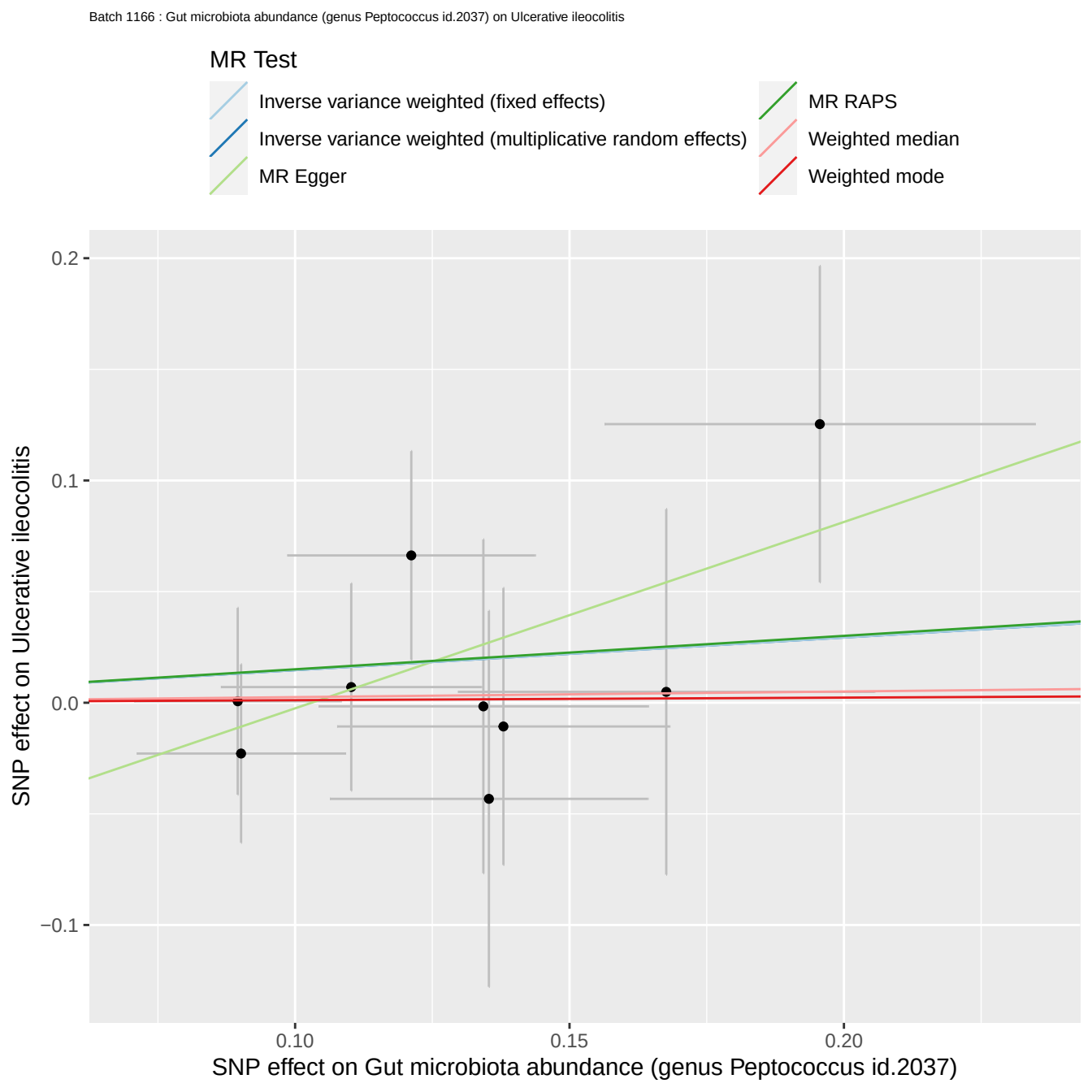

Batch 1161 : Gut microbiota abundance (genus Oscillospira id.2064) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

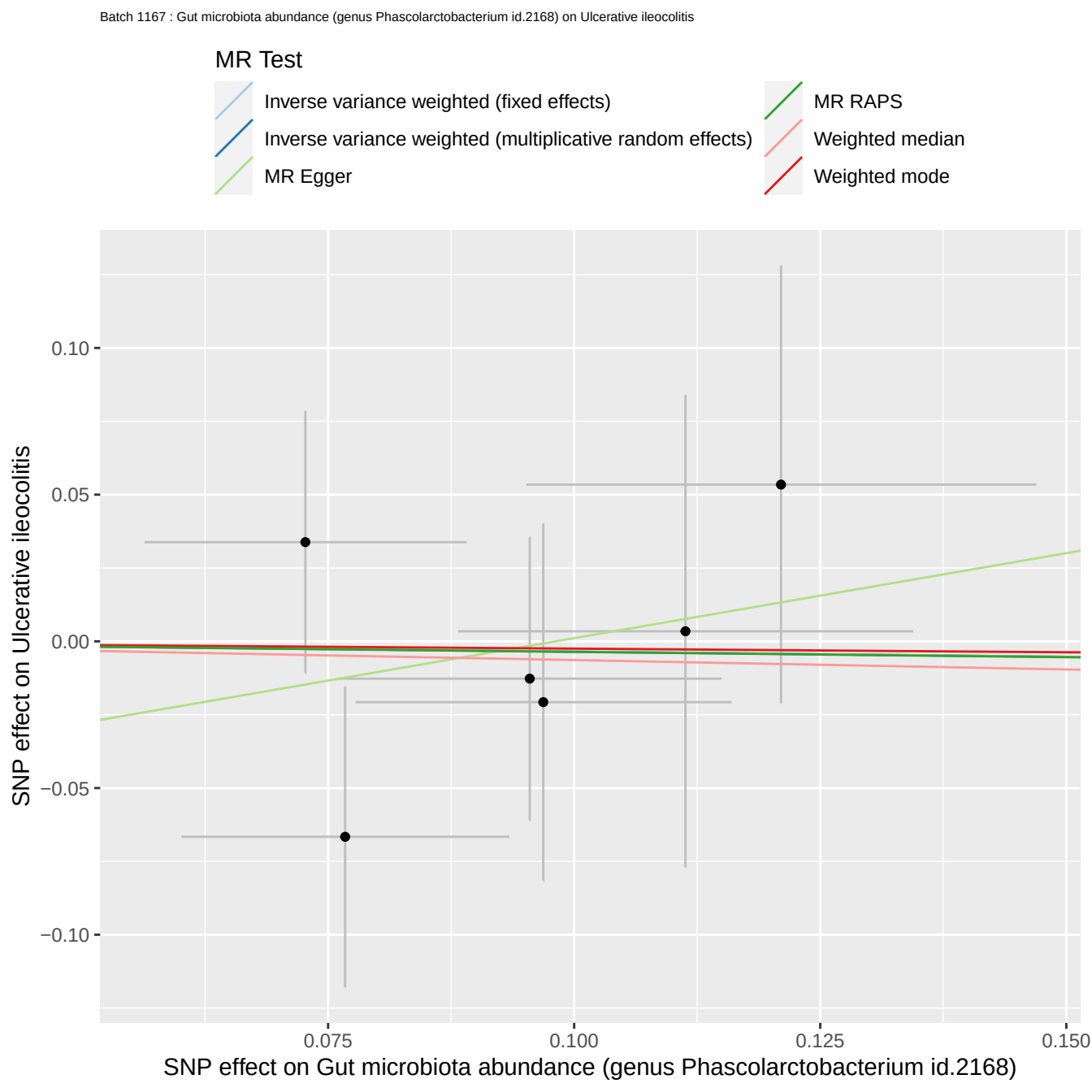

Batch 1162 : Gut microbiota abundance (genus Oxalobacter id.2978) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

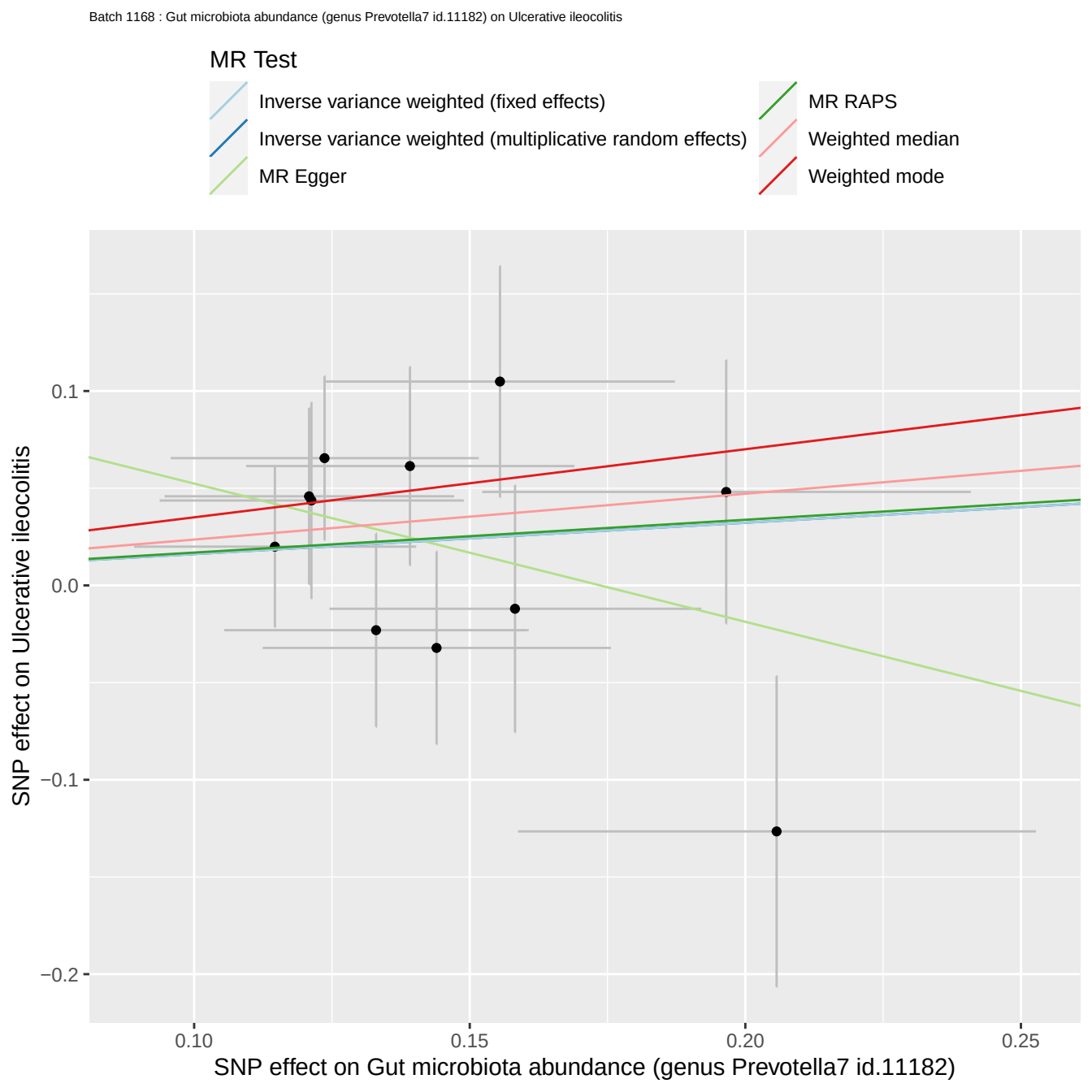

Batch 1163 : Gut microbiota abundance (genus Parabacteroides id.954) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

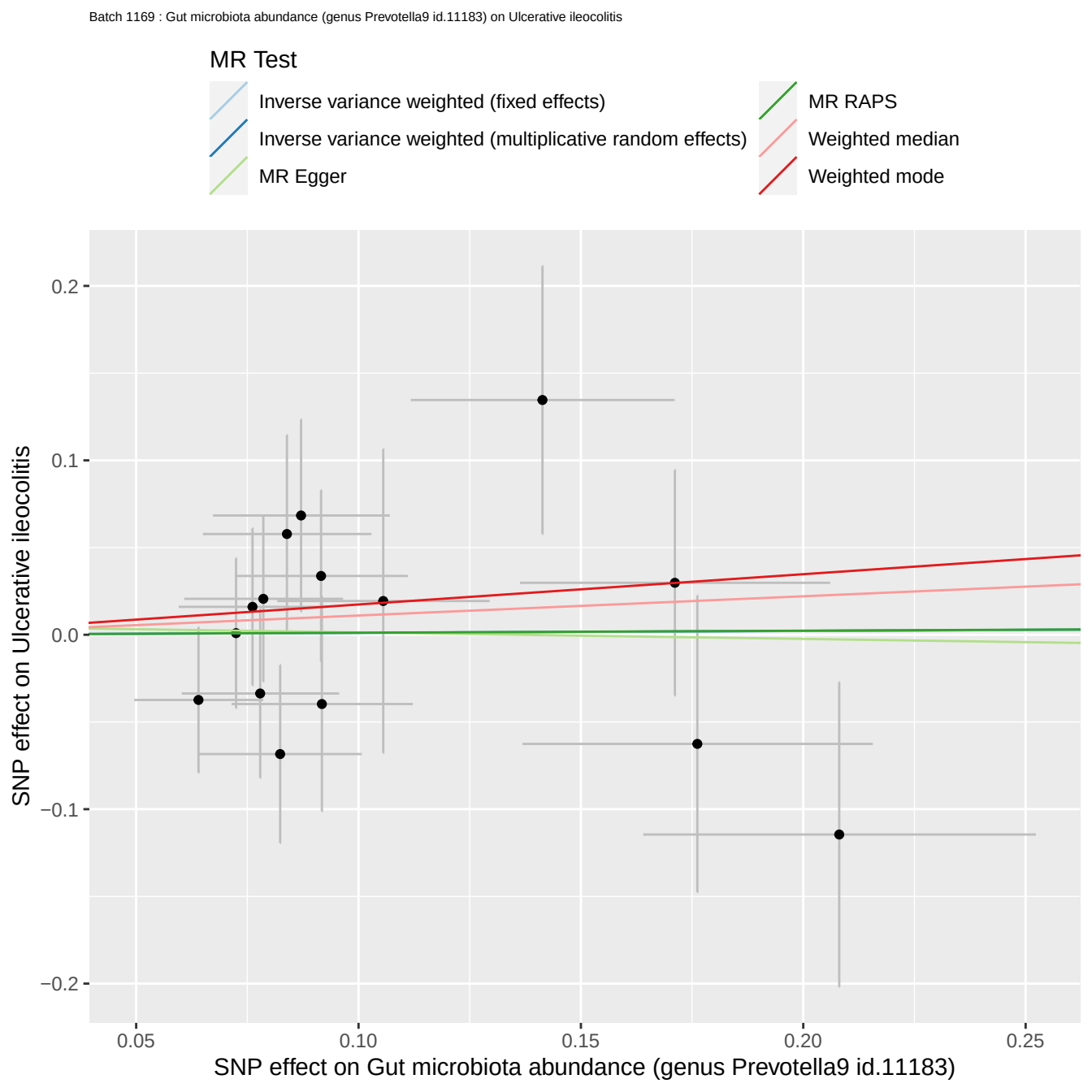

Batch 1164 : Gut microbiota abundance (genus Paraprevotella id.962) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

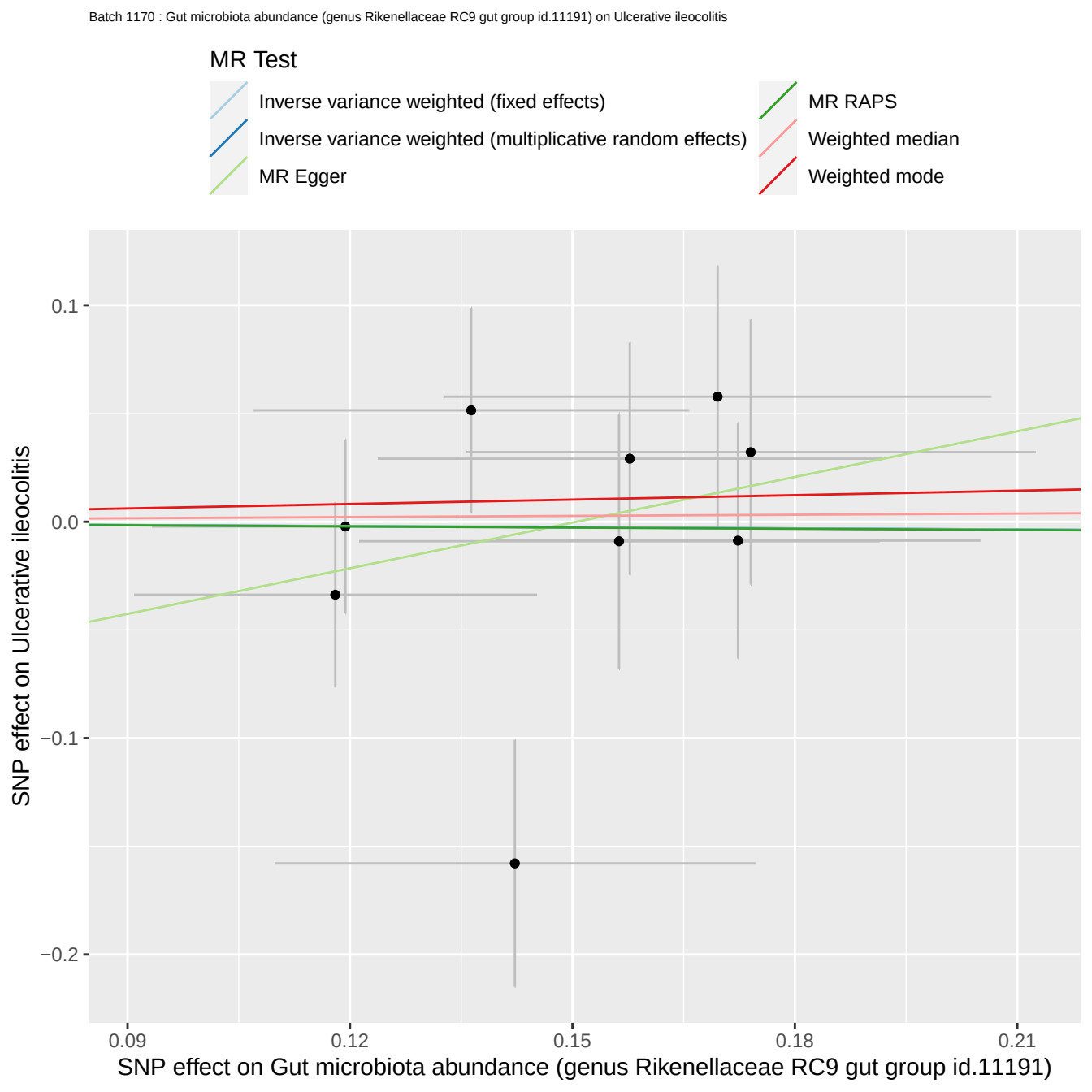

Batch 1165 : Gut microbiota abundance (genus Parasutterella id.2892) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

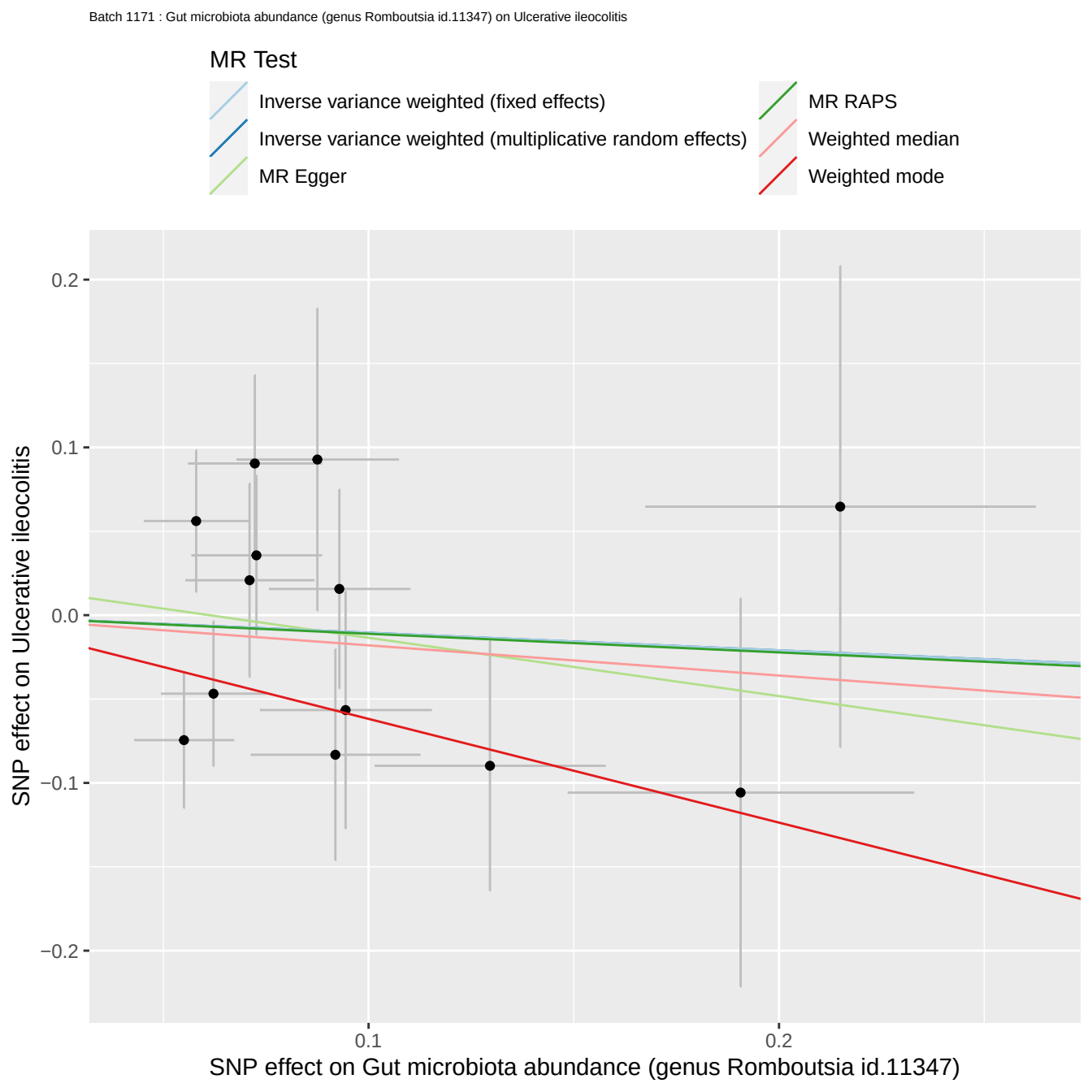

Batch 1166 : Gut microbiota abundance (genus Peptococcus id.2037) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

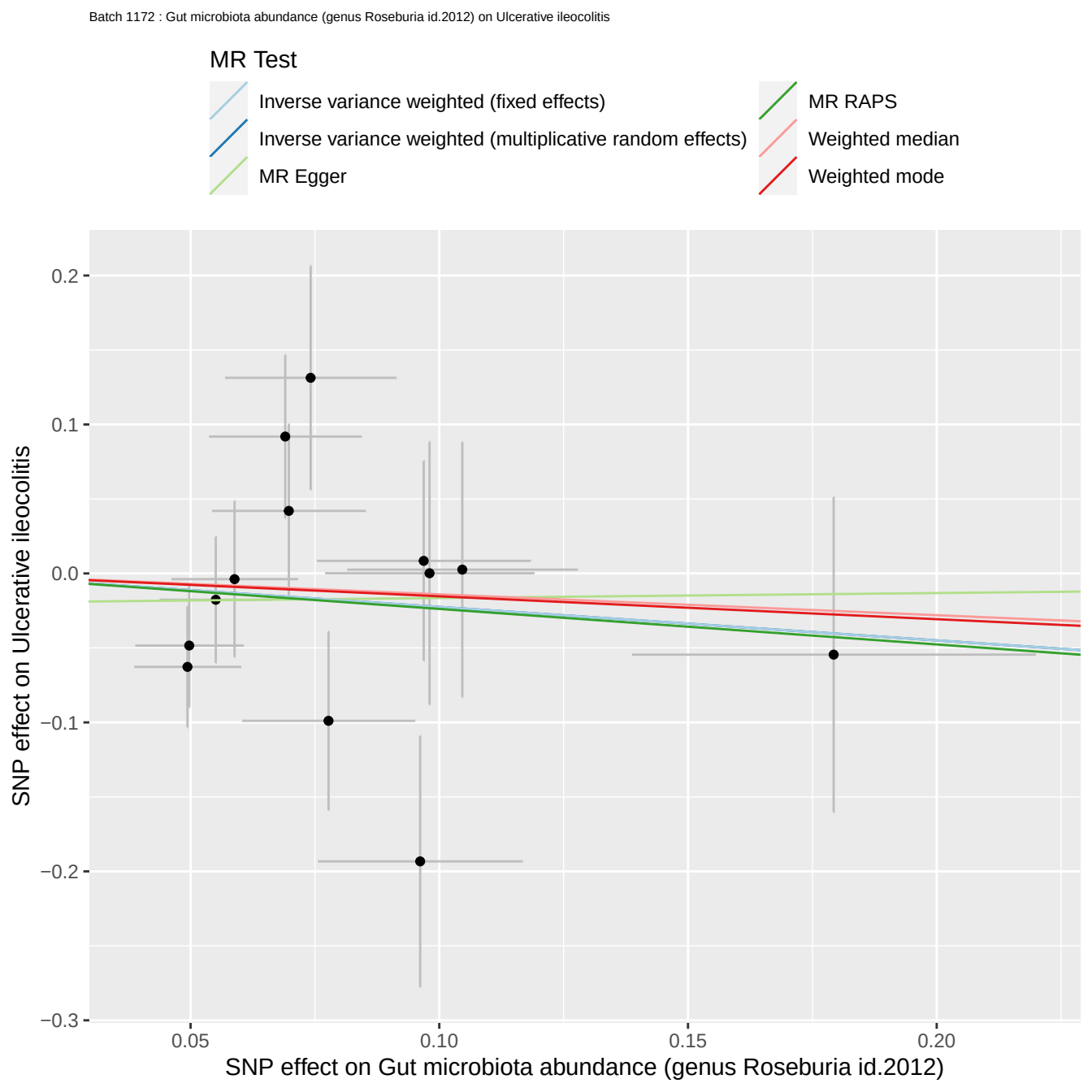

Batch 1167 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

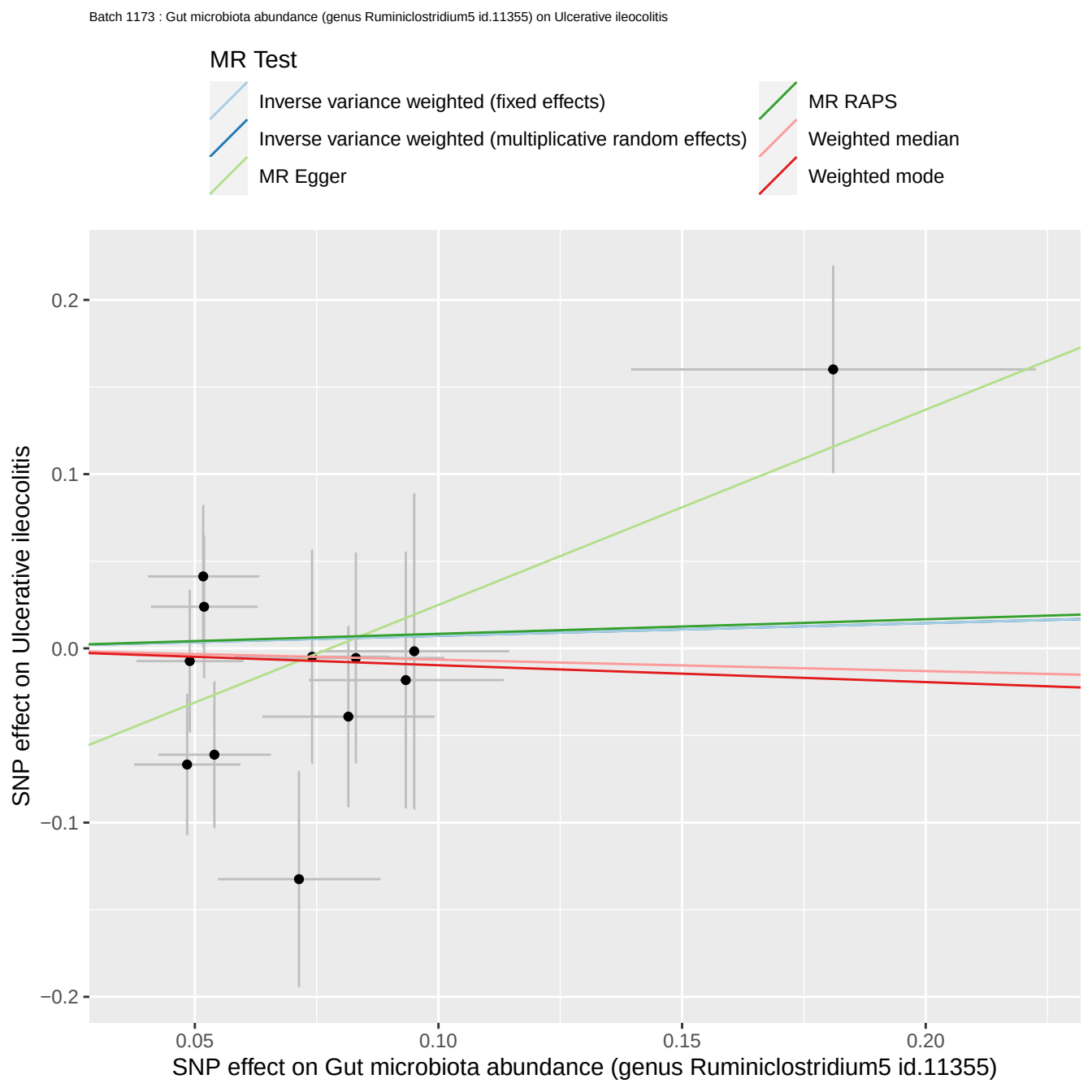

Batch 1168 : Gut microbiota abundance (genus Prevotella7 id.11182) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

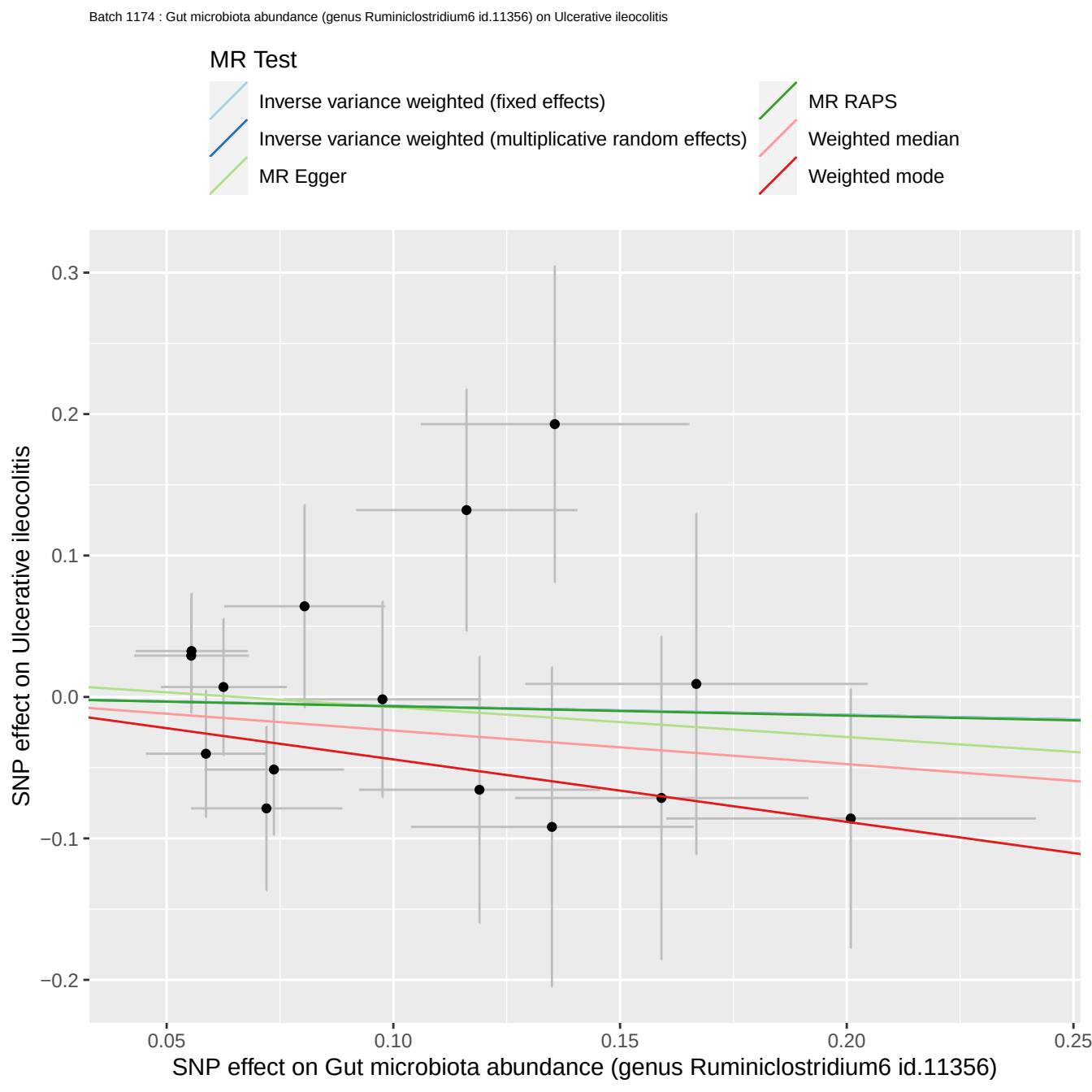

Batch 1169 : Gut microbiota abundance (genus Prevotella9 id.11183) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

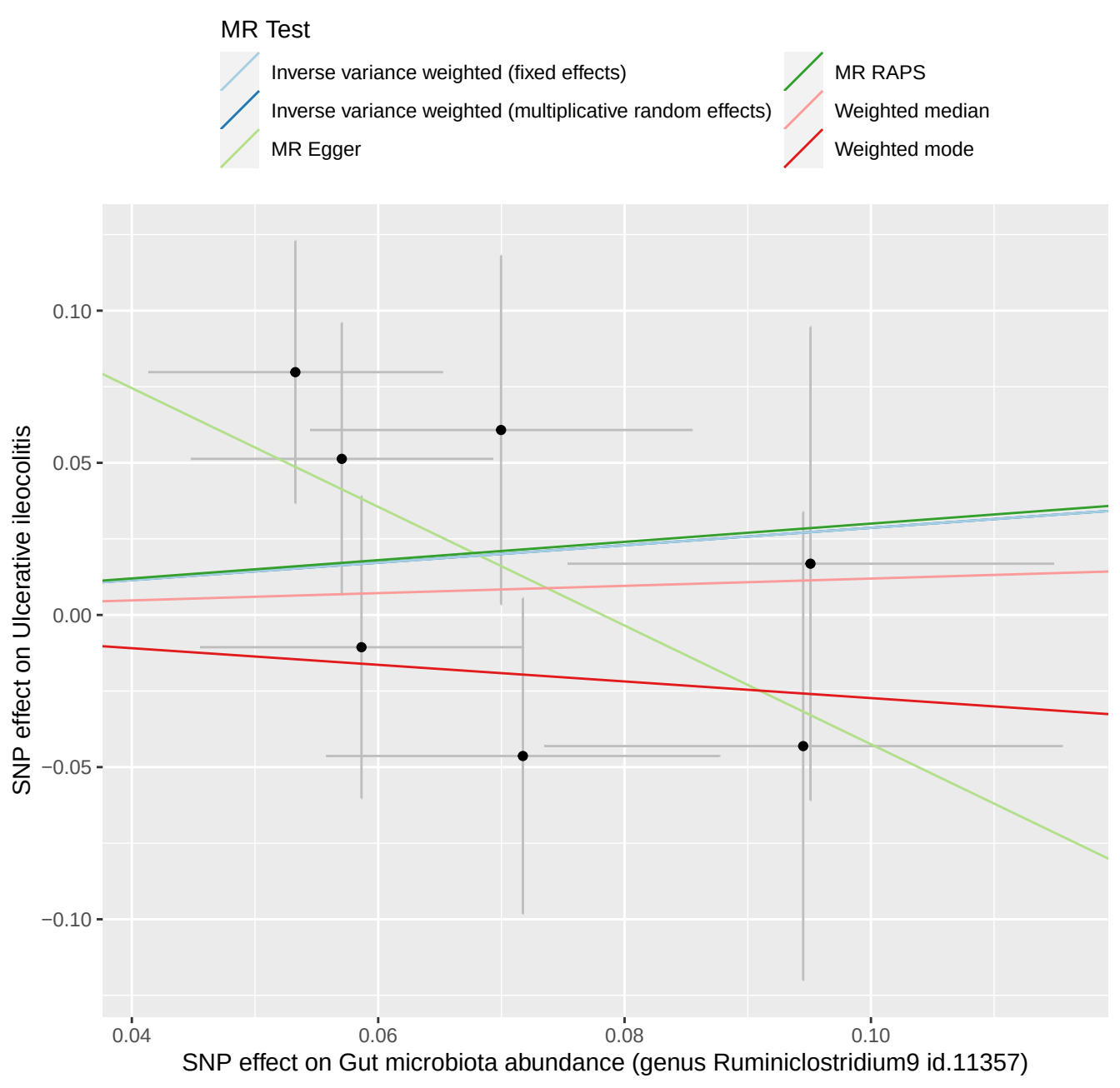

Batch 1170 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

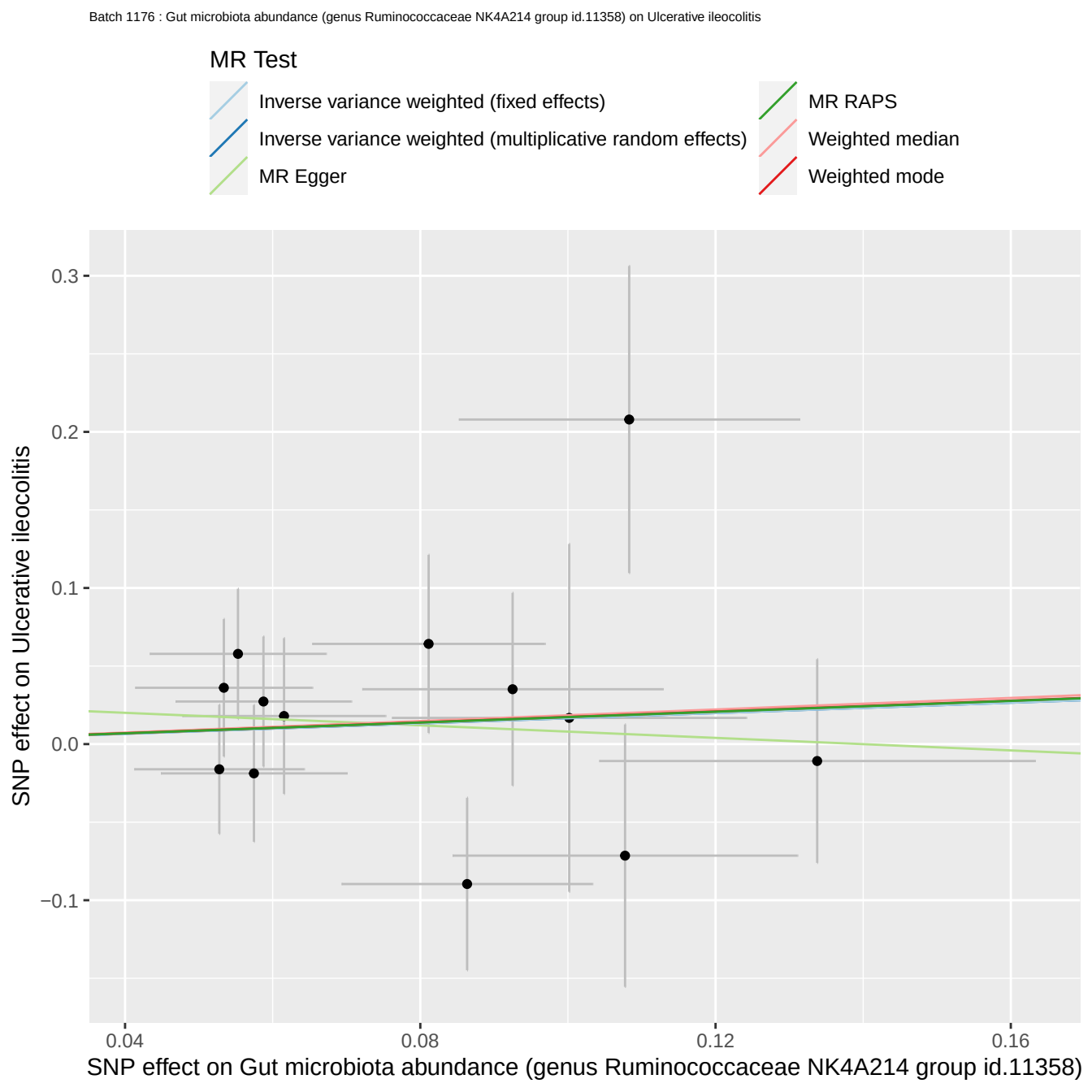

Batch 1171 : Gut microbiota abundance (genus Romboutsia id.11347) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

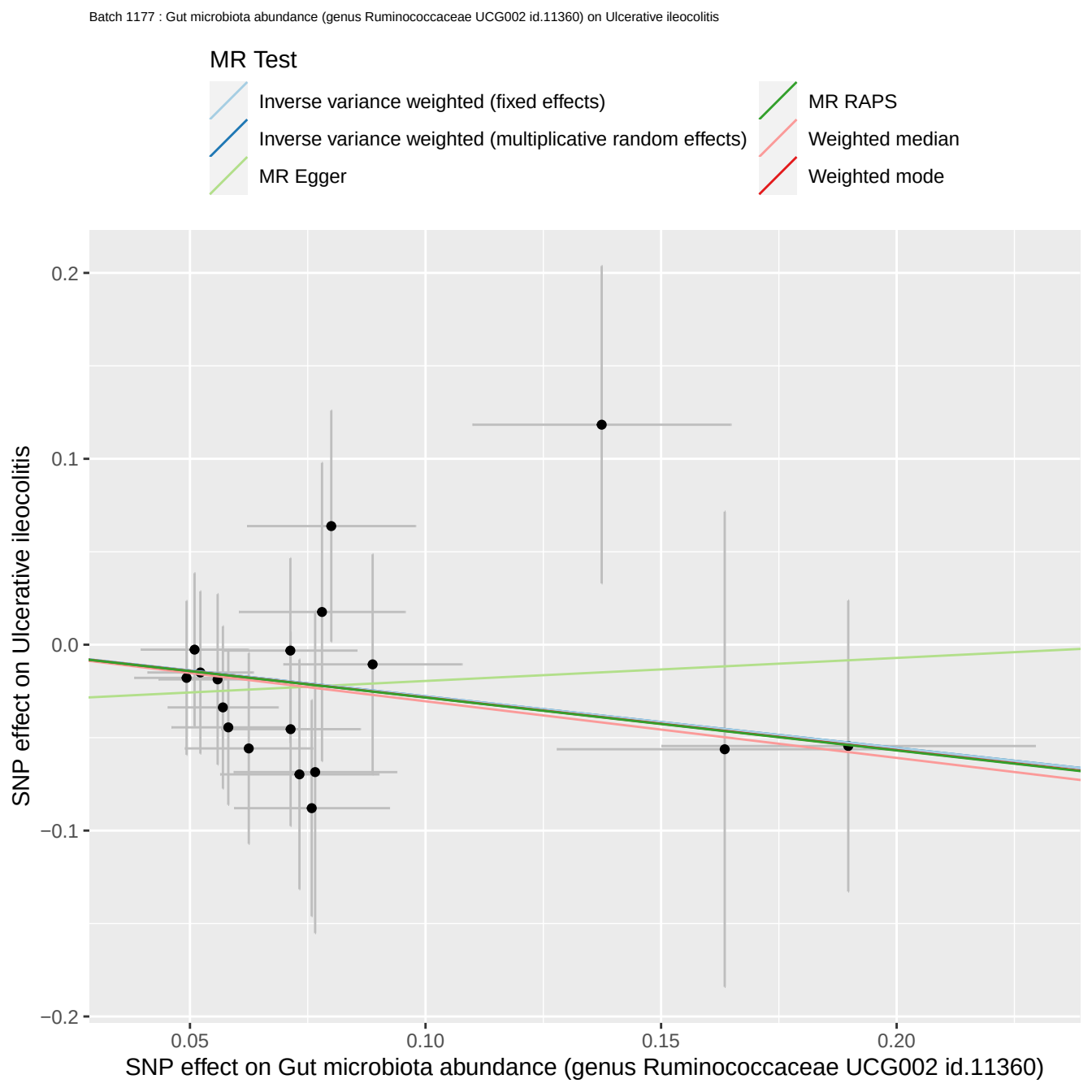

Batch 1172 : Gut microbiota abundance (genus Roseburia id.2012) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

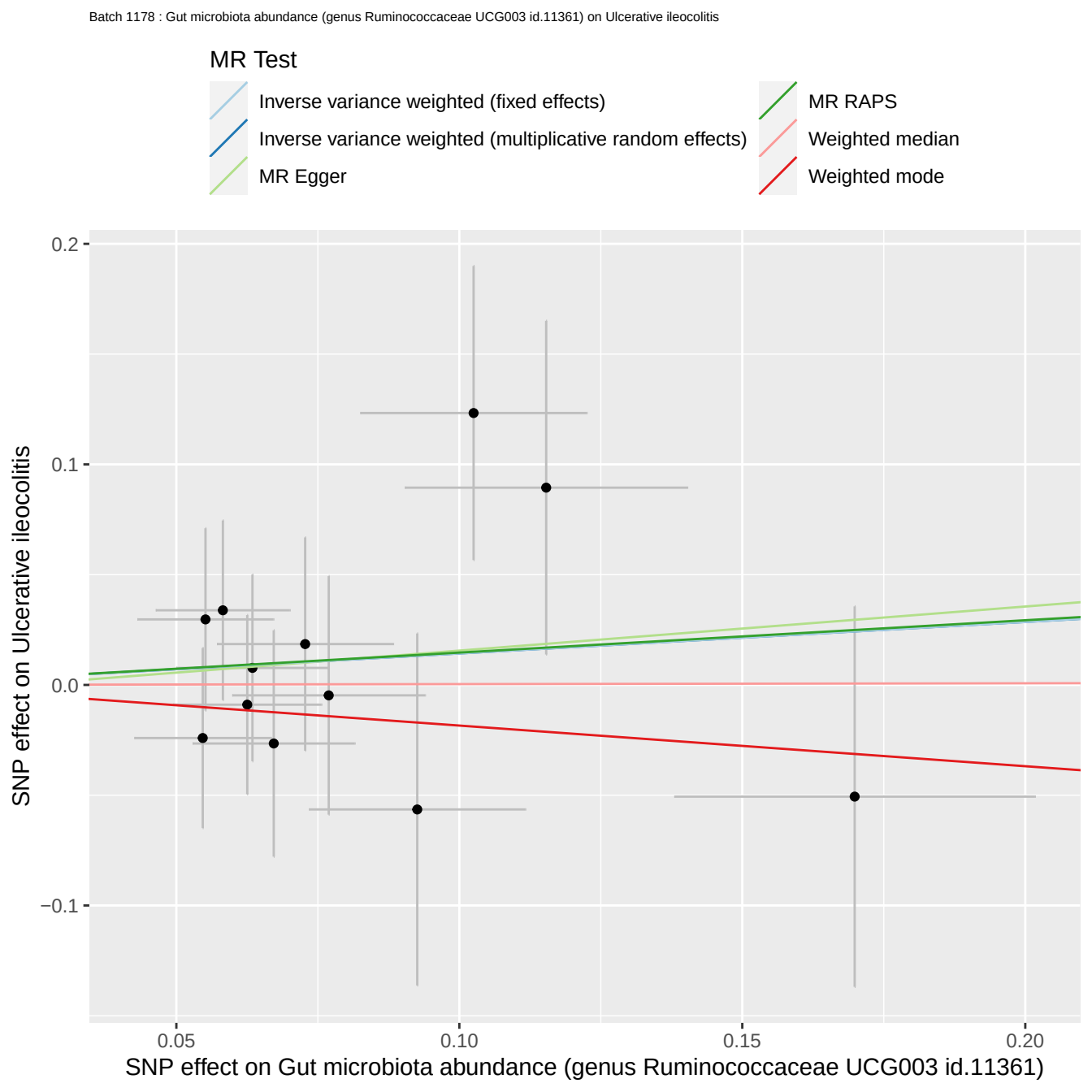

Batch 1173 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

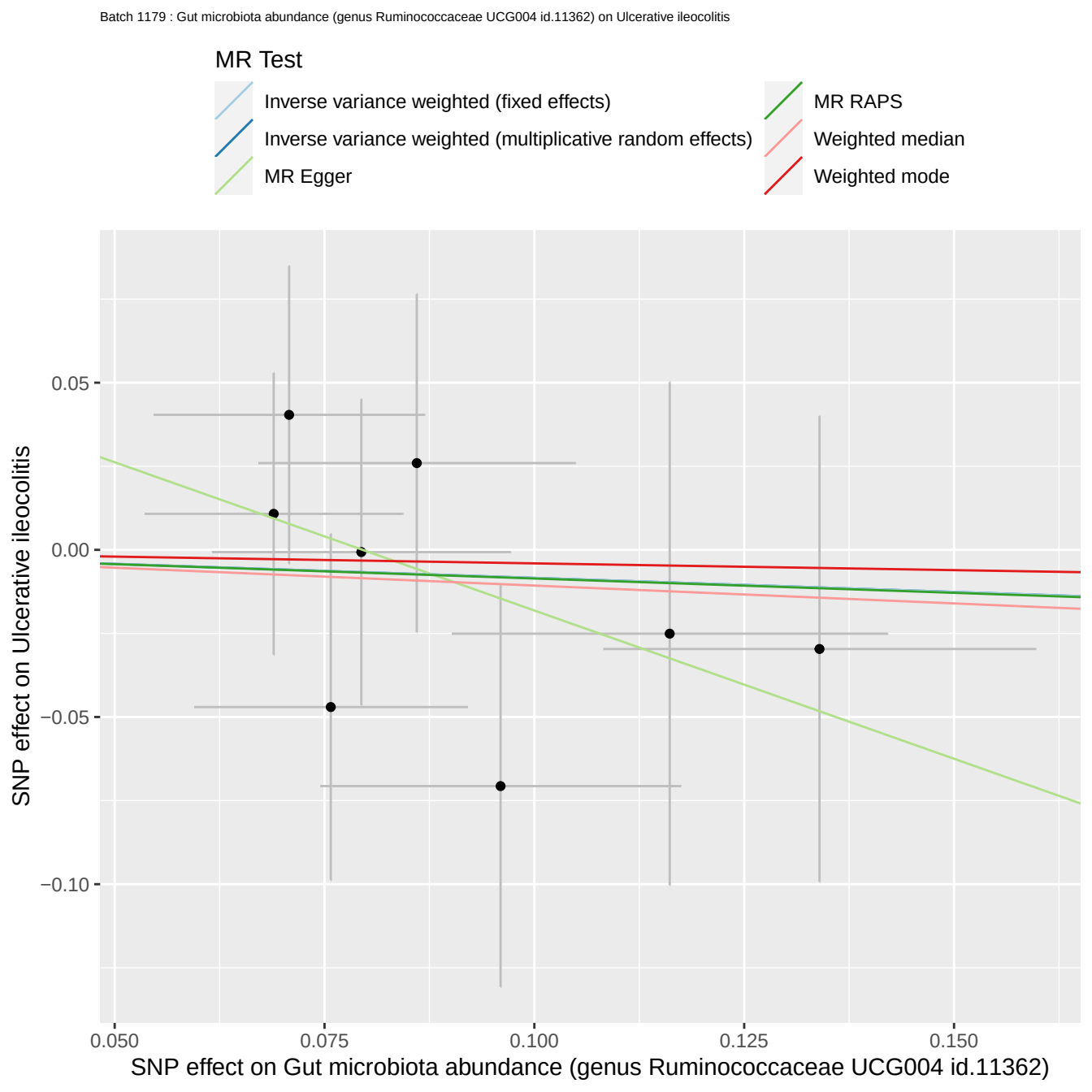

Batch 1174 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.3
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

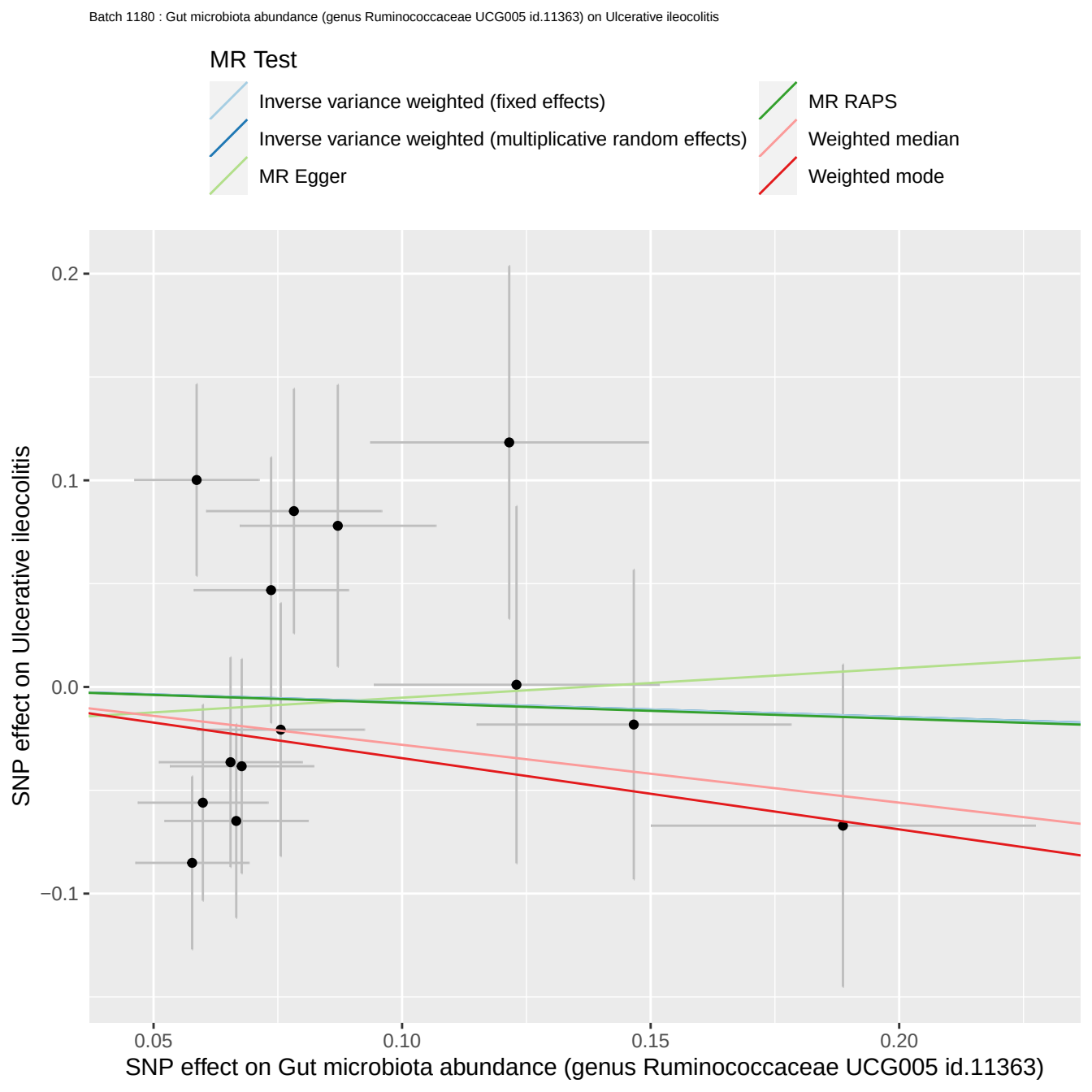

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

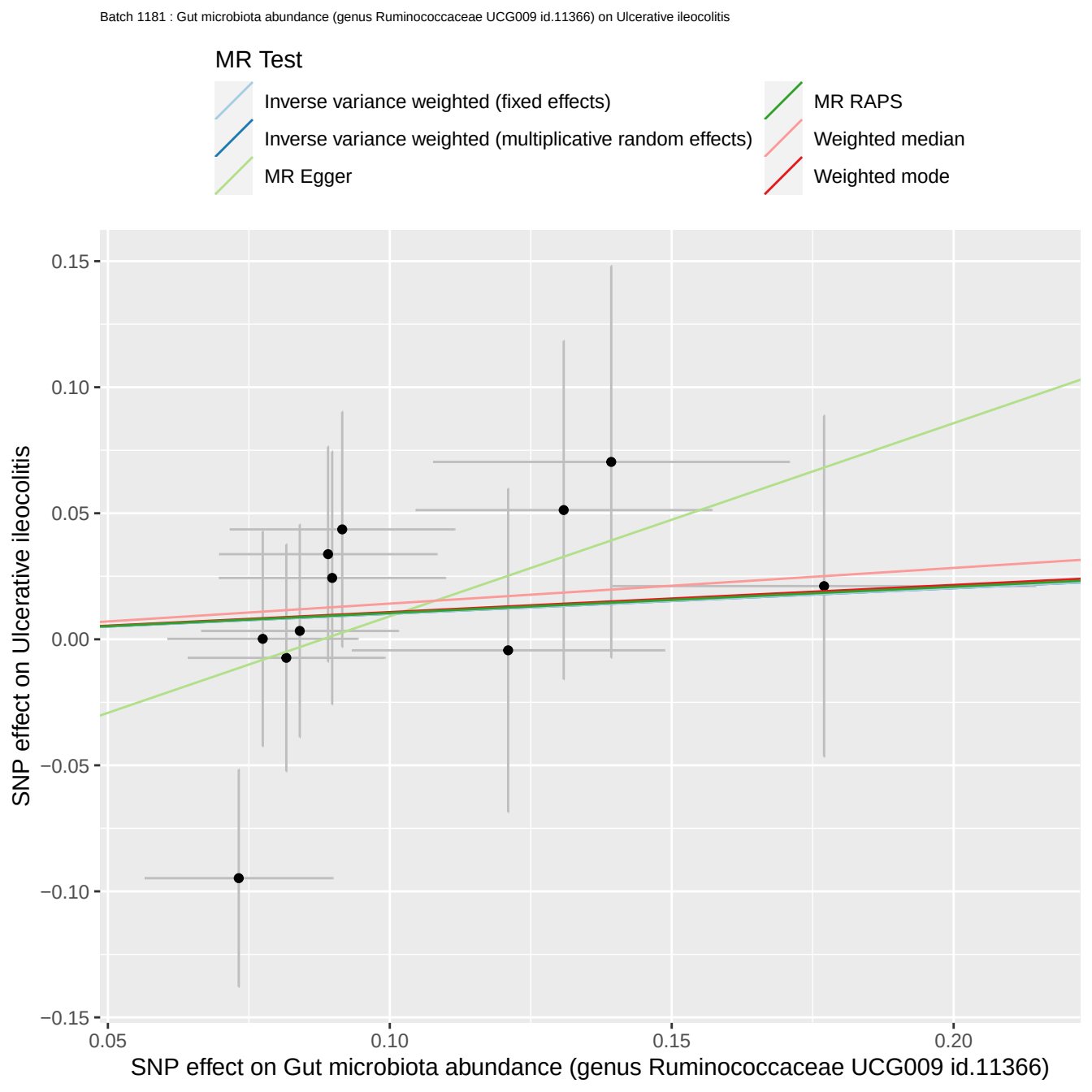

Batch 1176 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.3
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)


Batch 1177 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

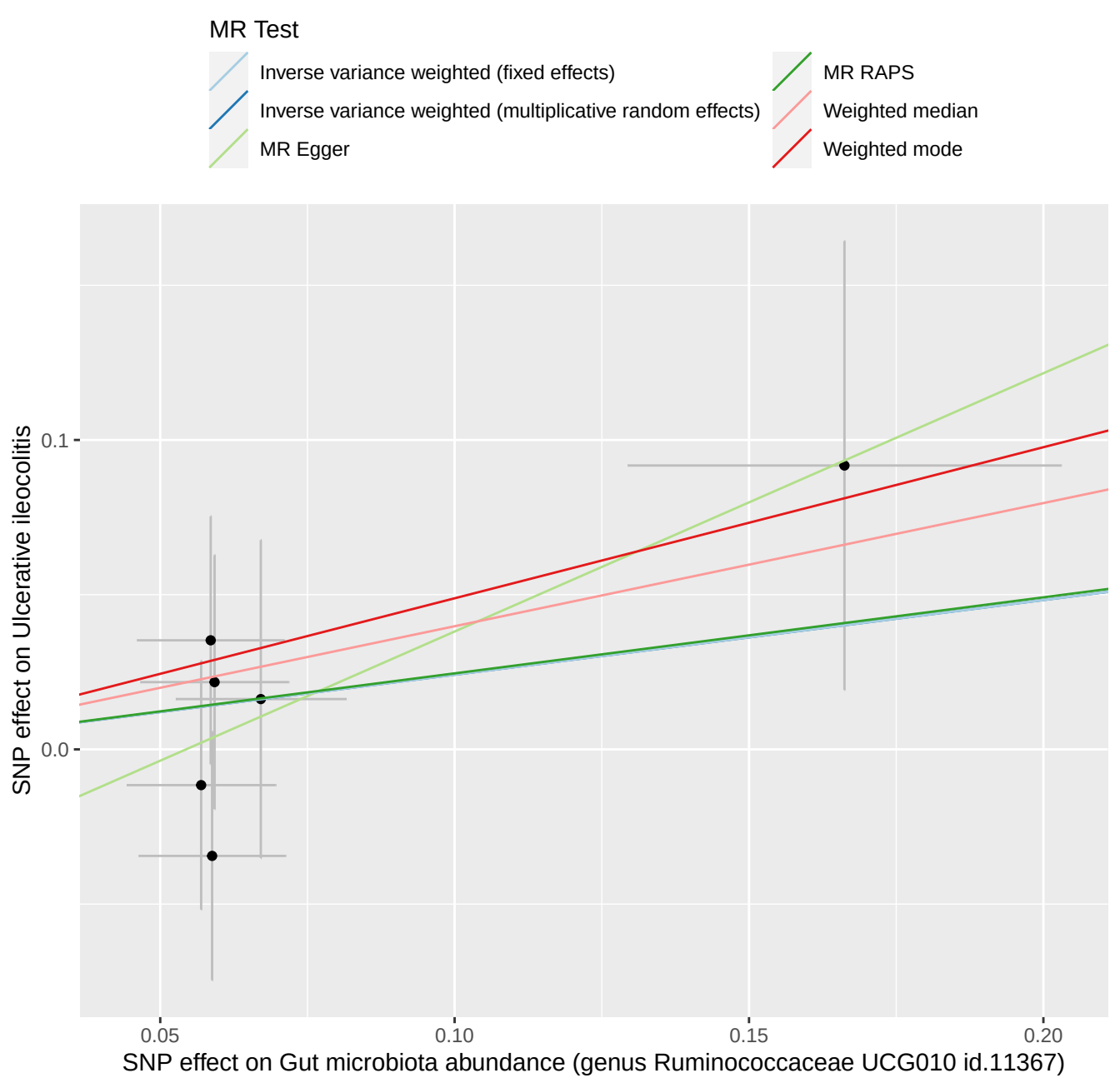

Batch 1178 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative ileocolitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

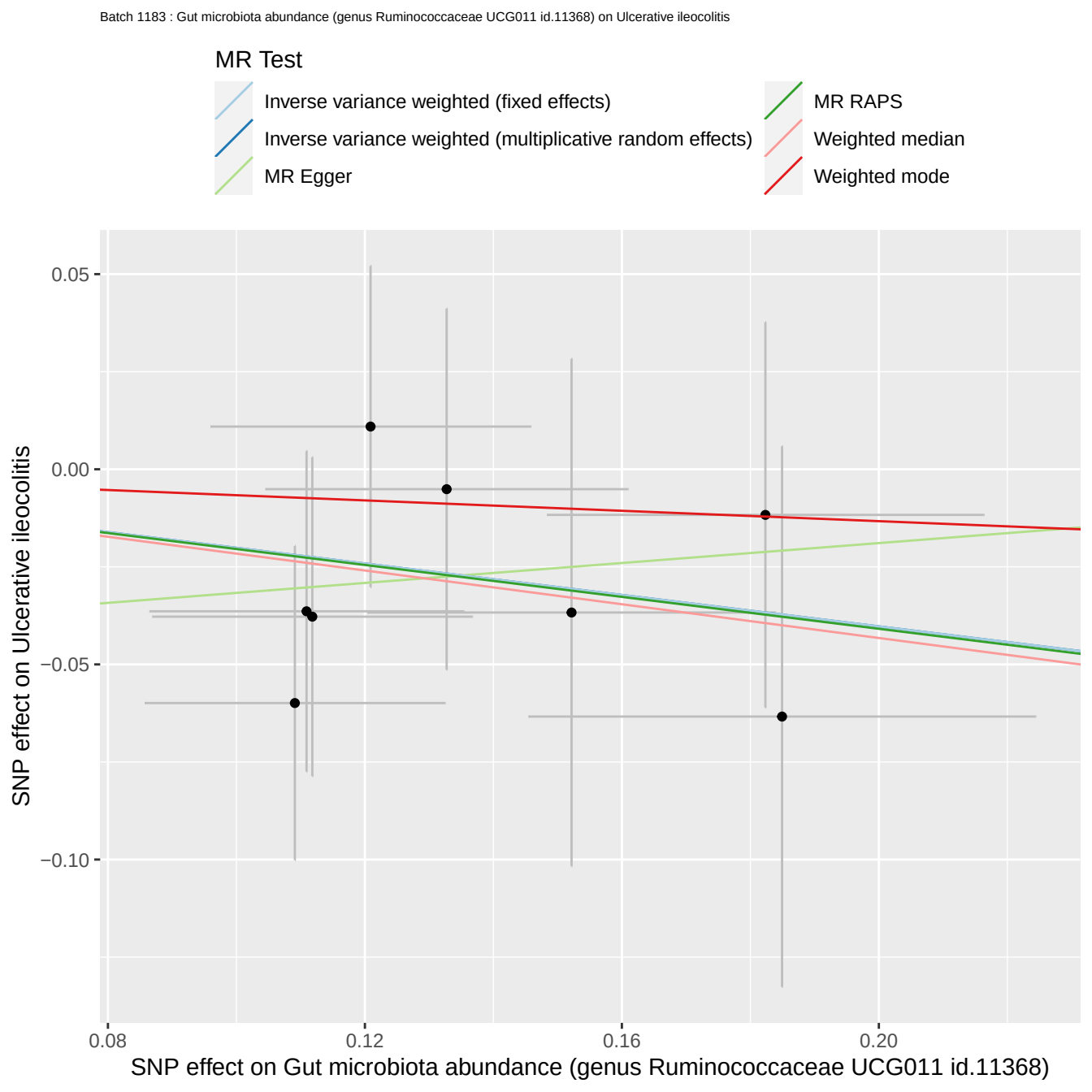

Batch 1179 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

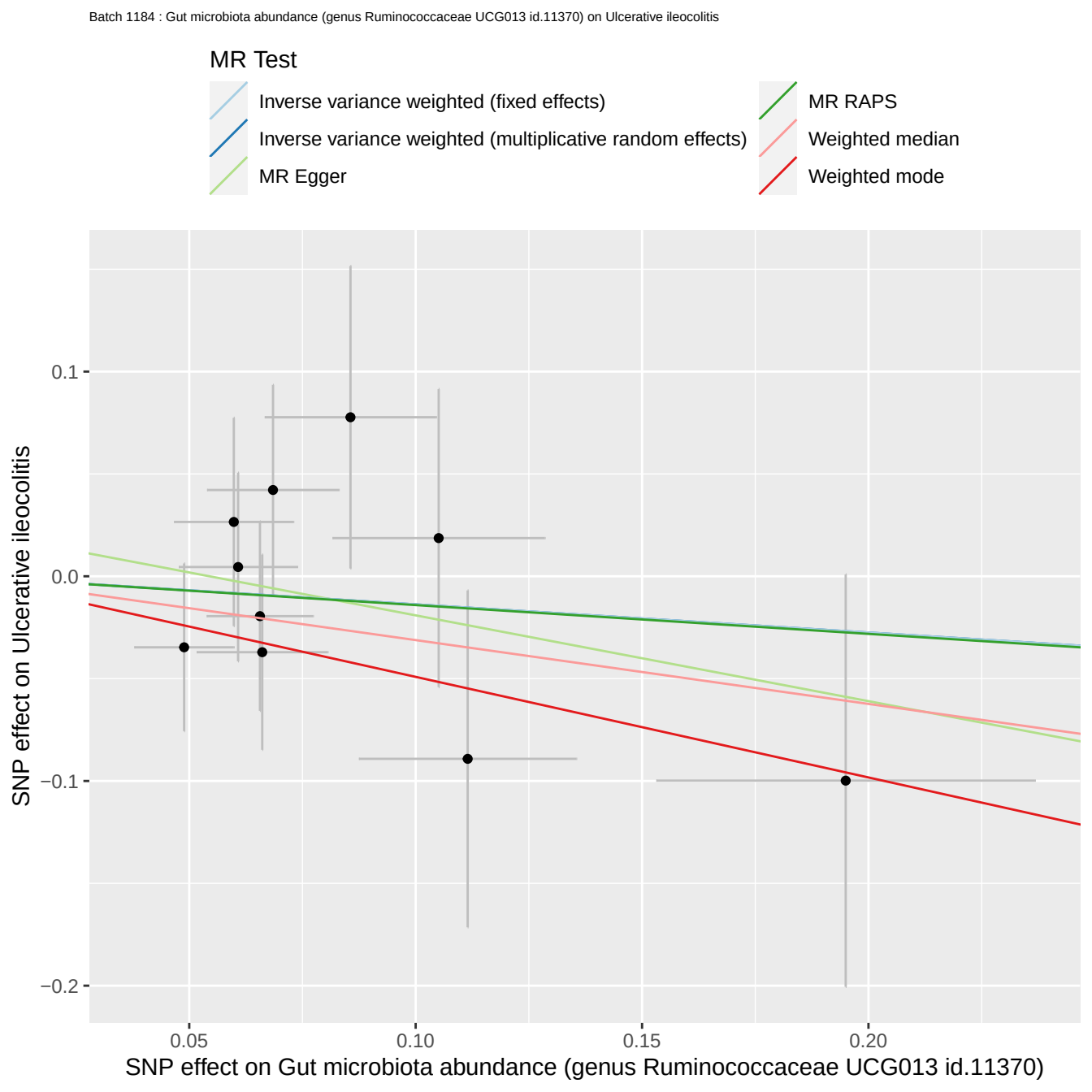

Batch 1180 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

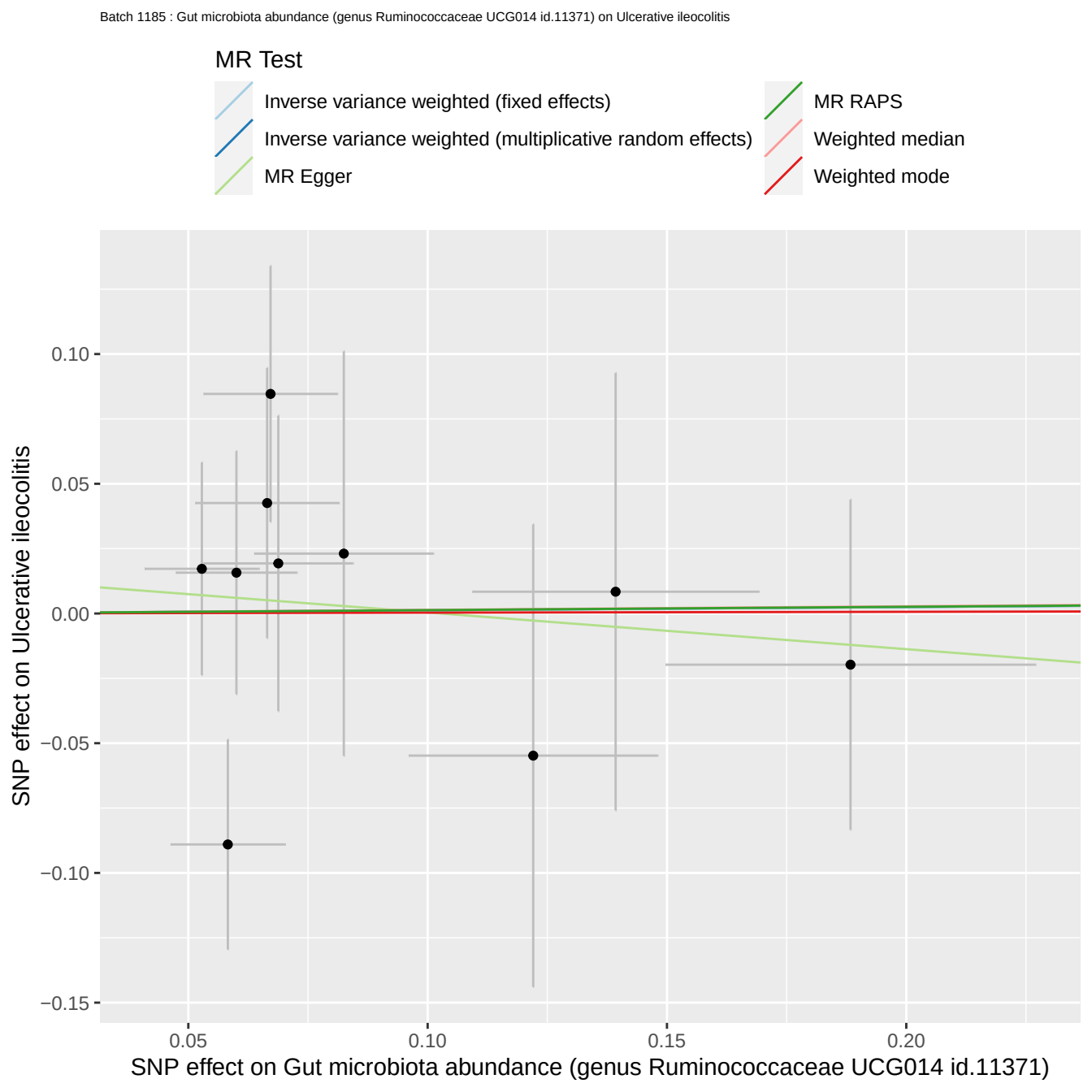

Batch 1181 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

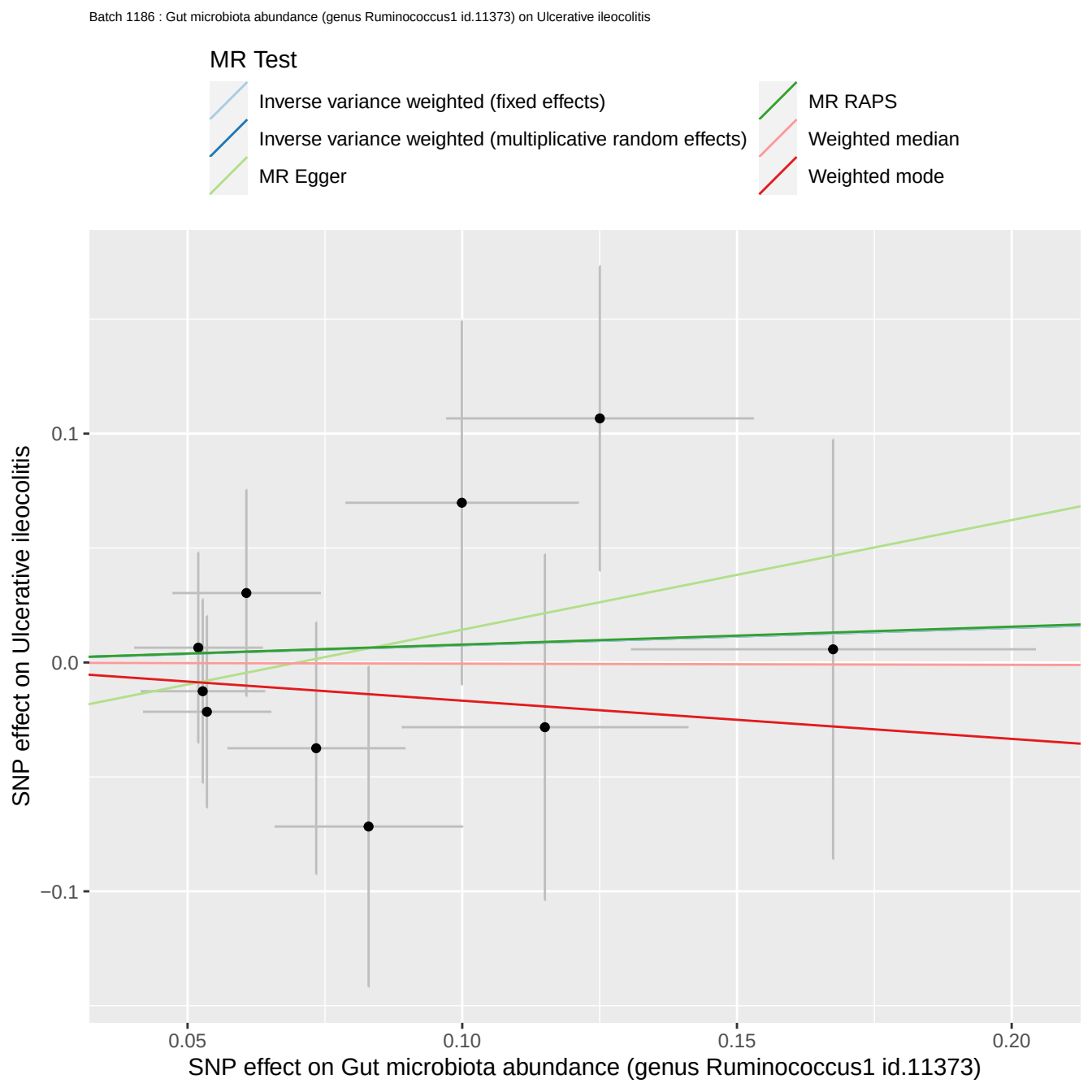
Batch 1182 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Ulcerative ileocolitis

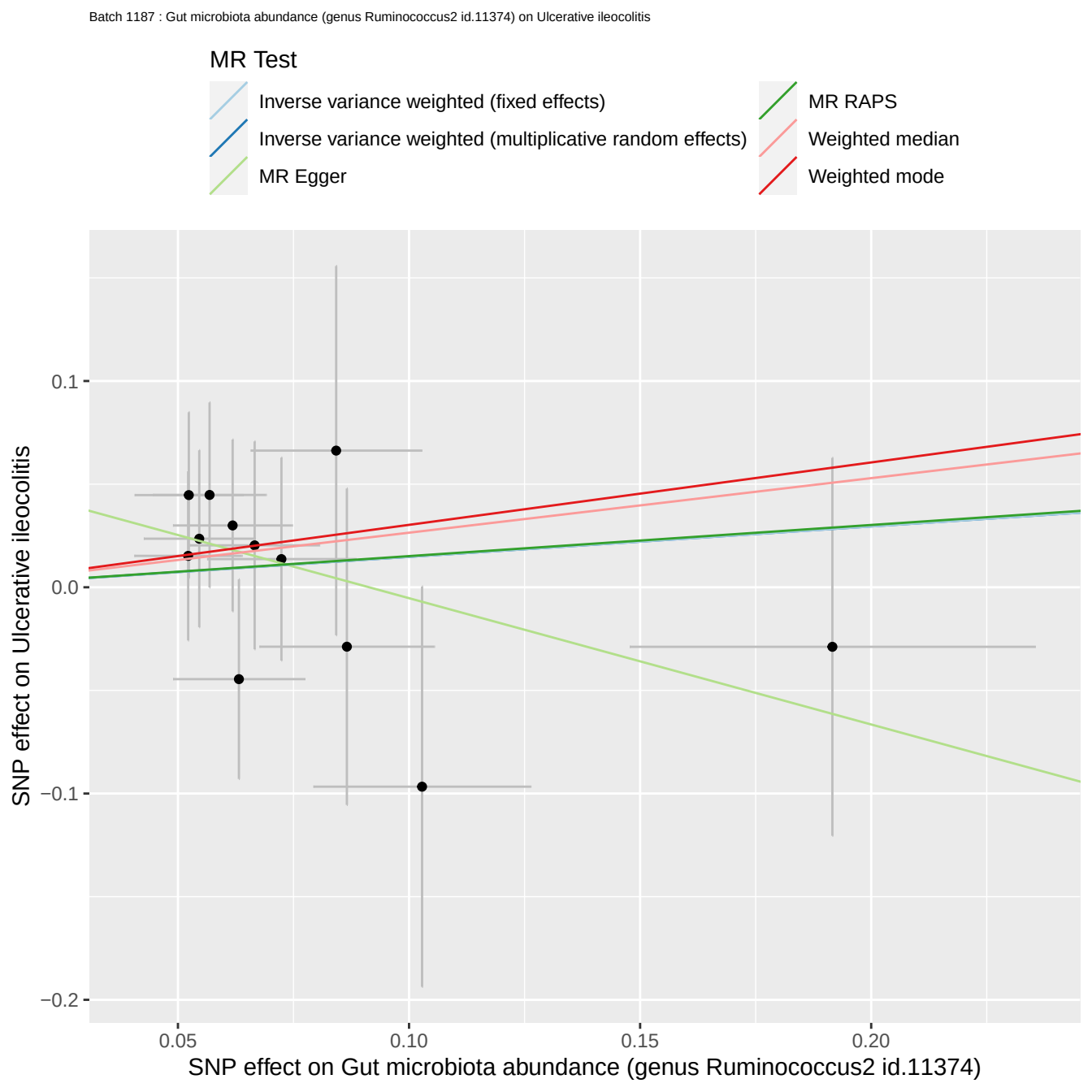


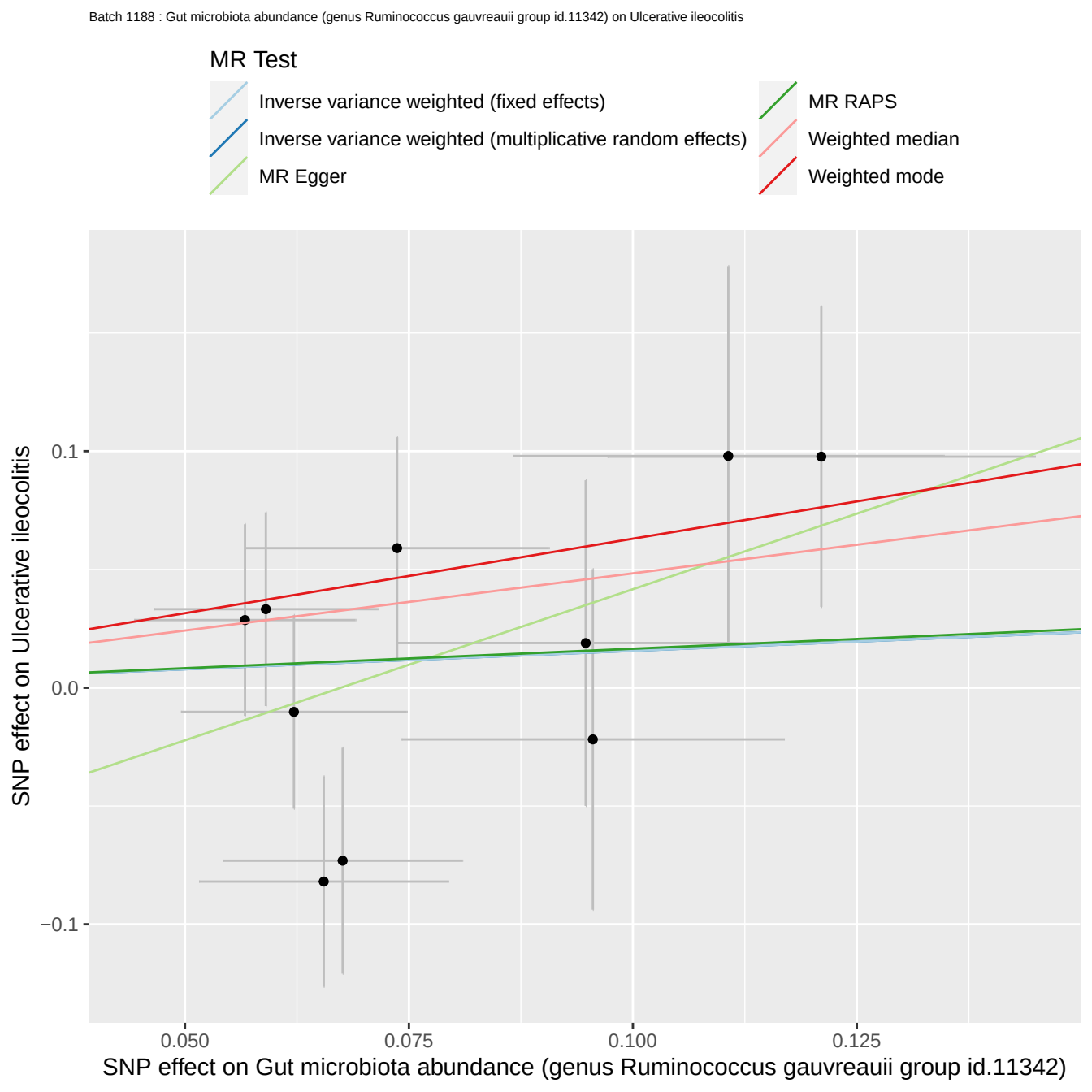

Batch 1183 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

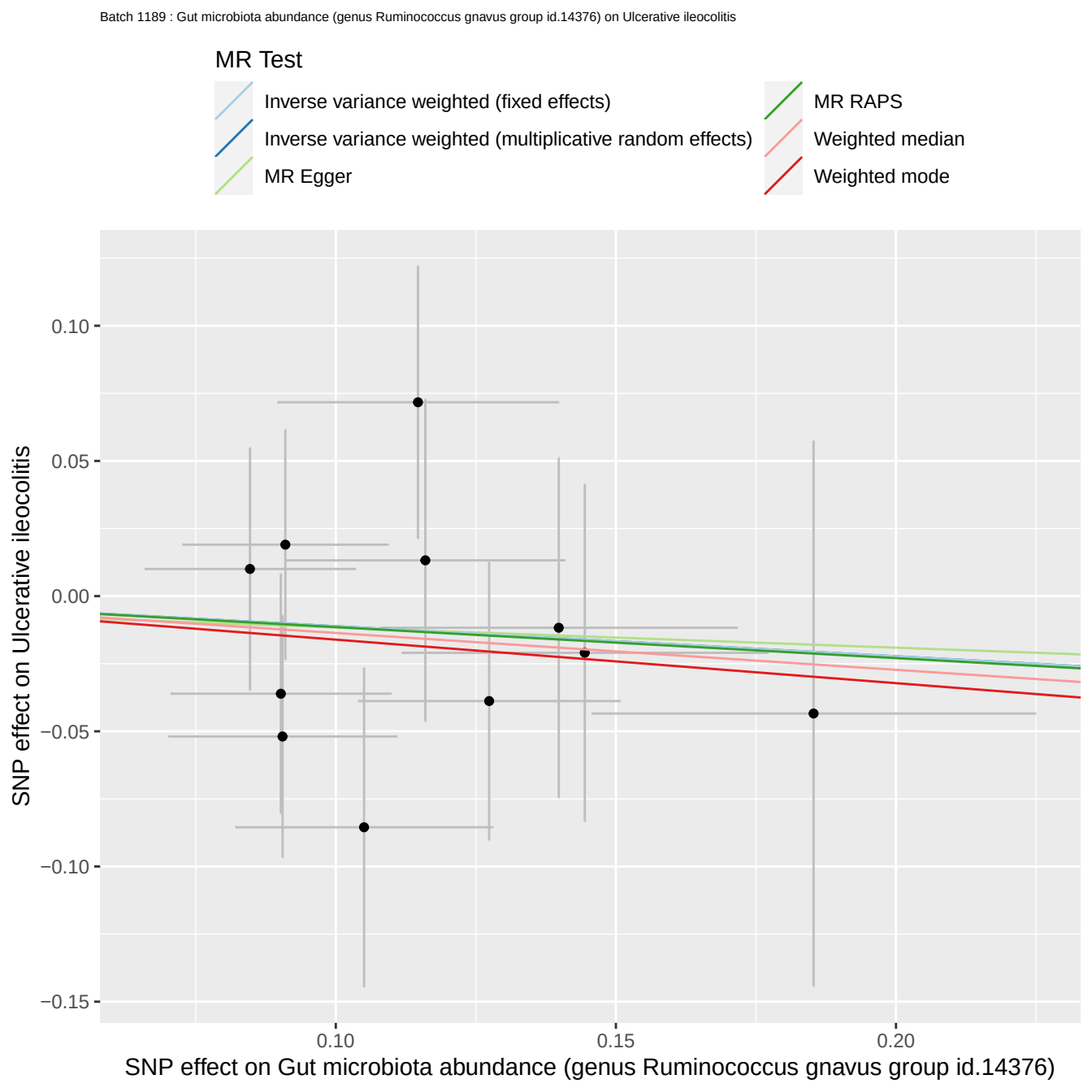

Batch 1184 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)

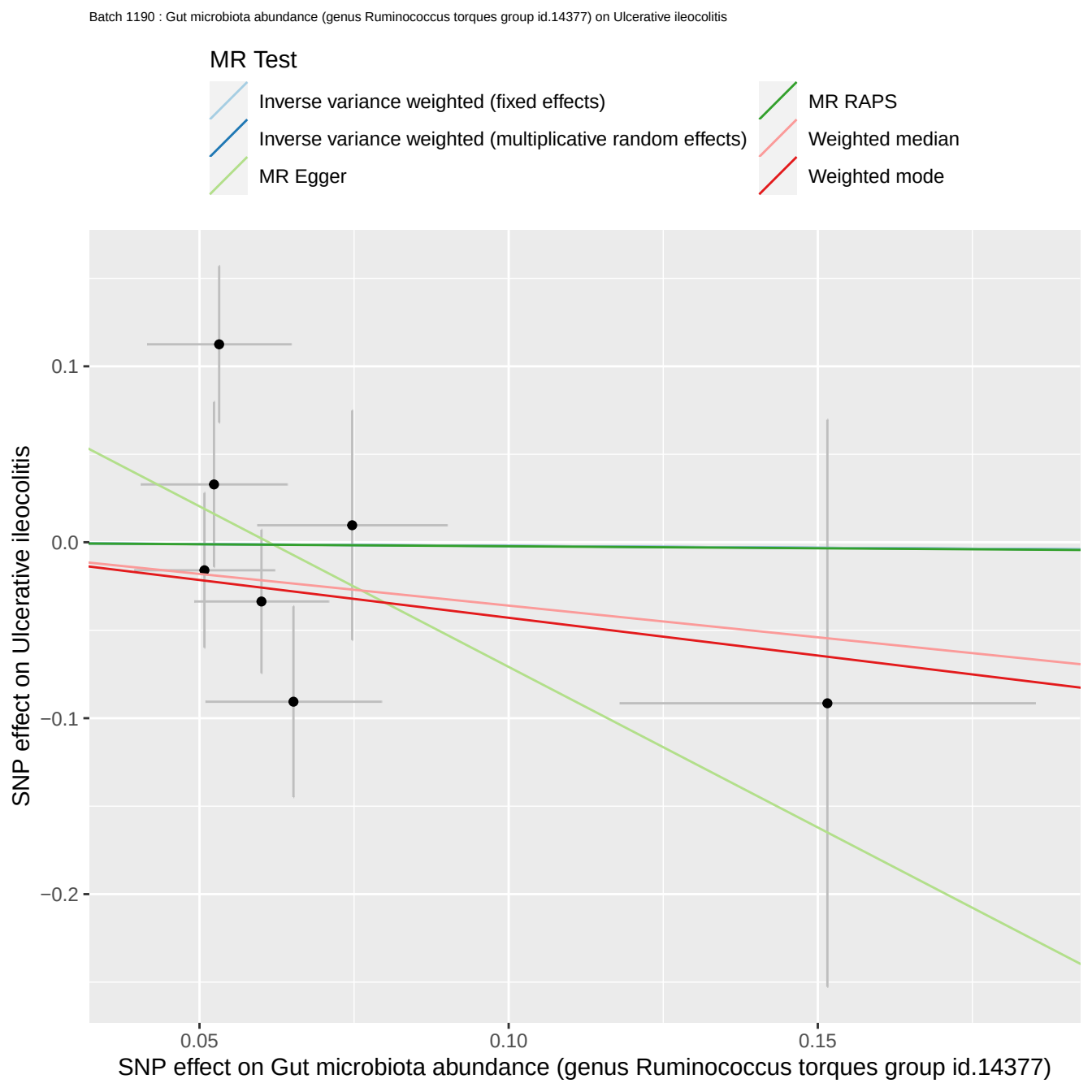

Batch 1185 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

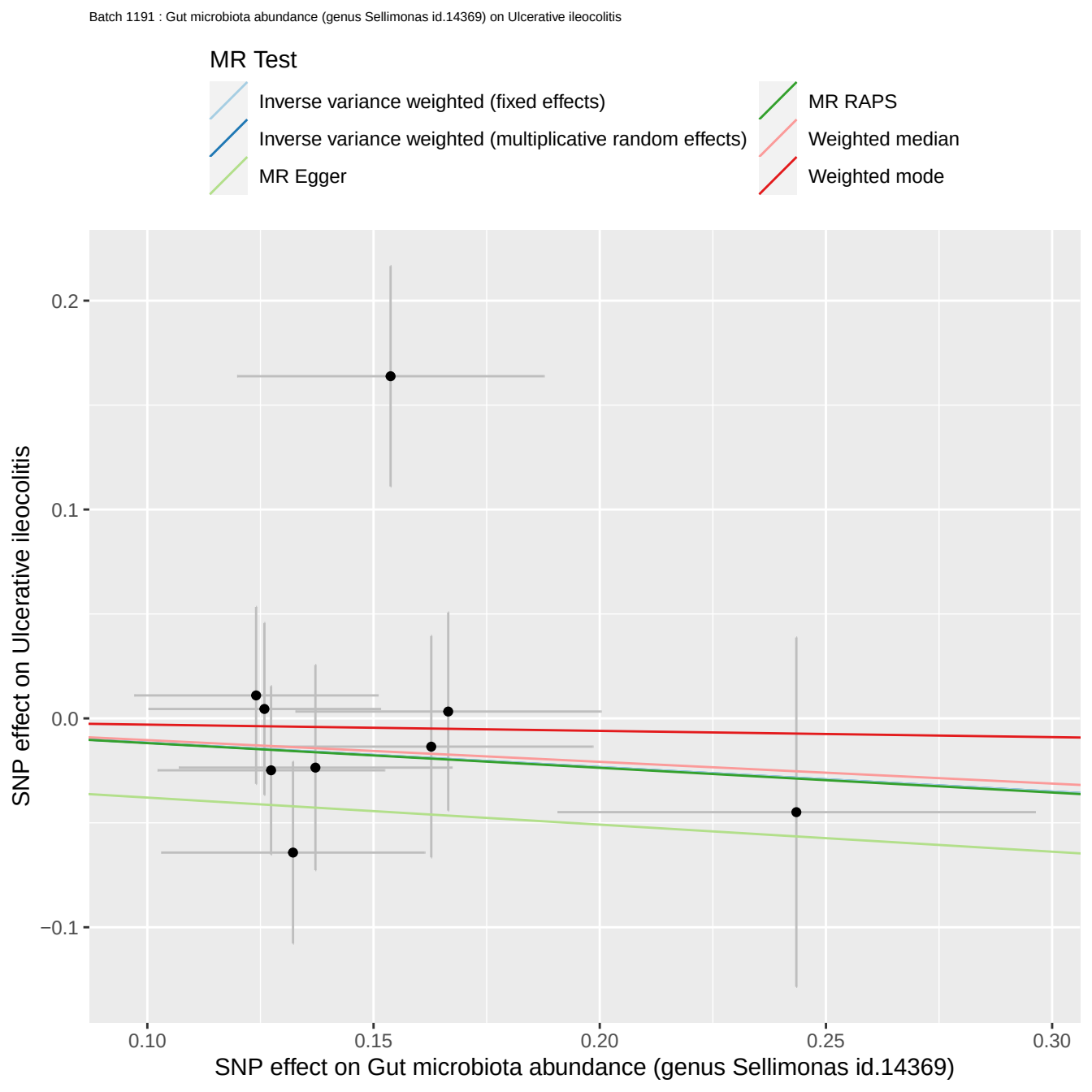

Batch 1186 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

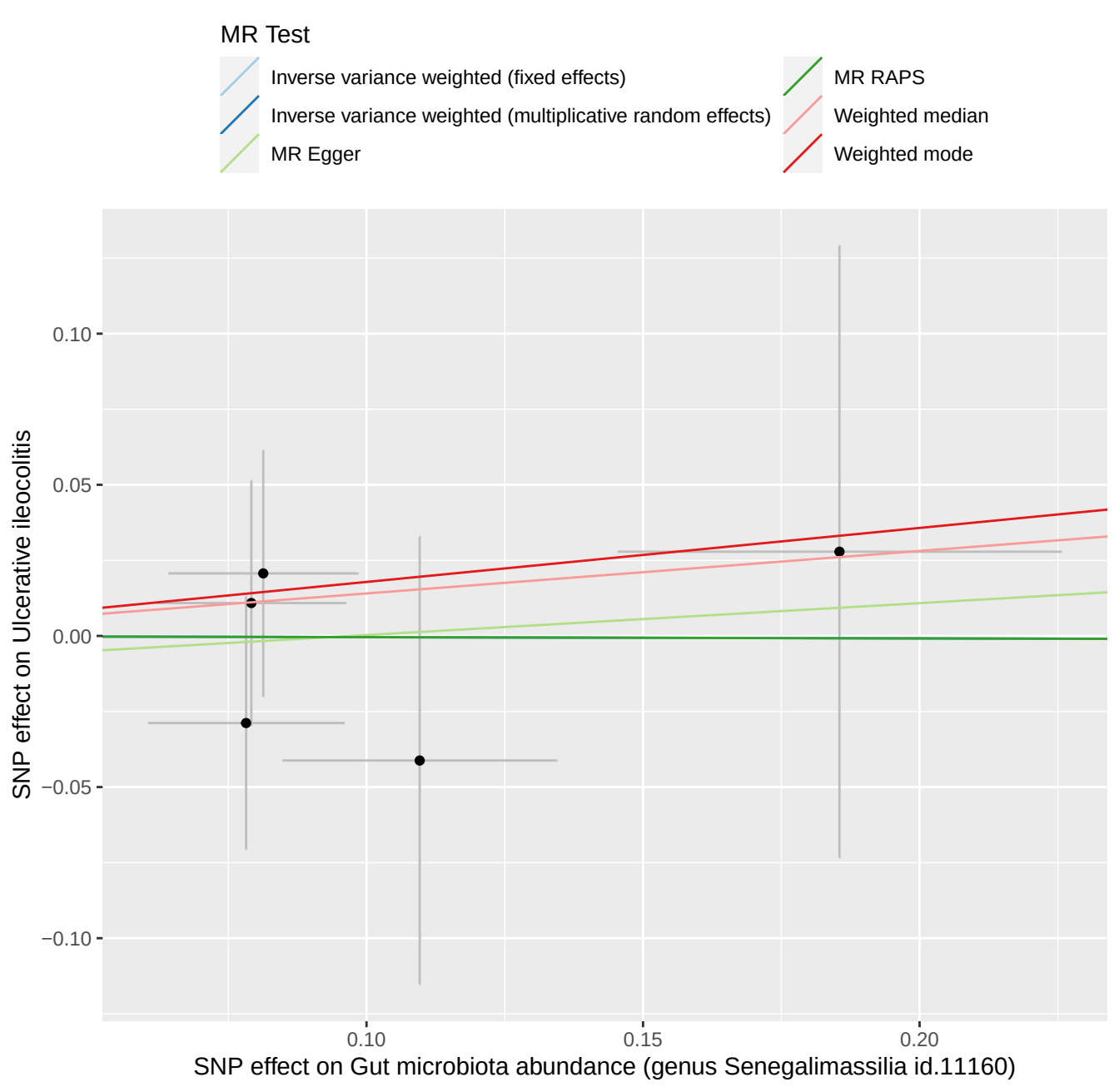

Batch 1187 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

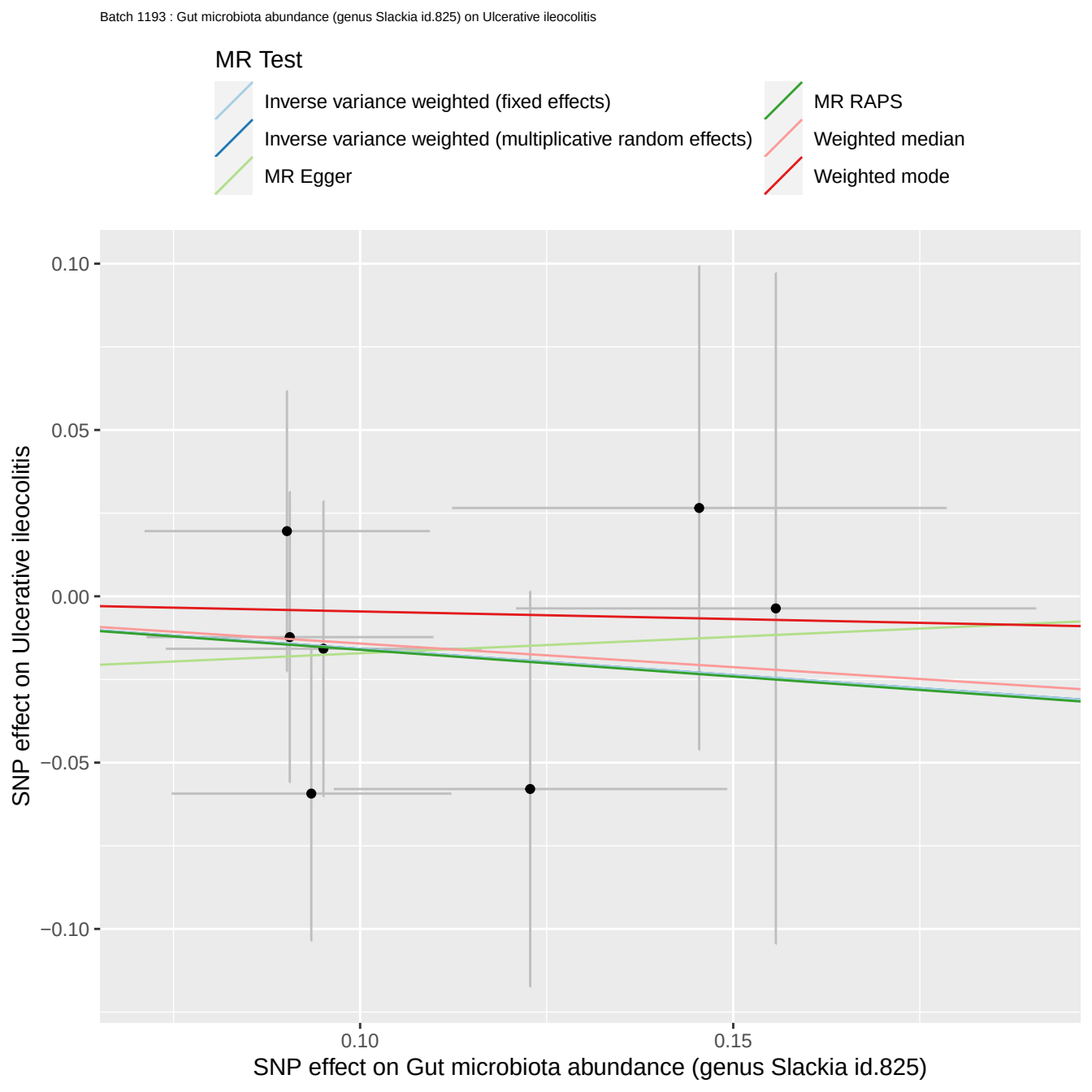

Batch 1188 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

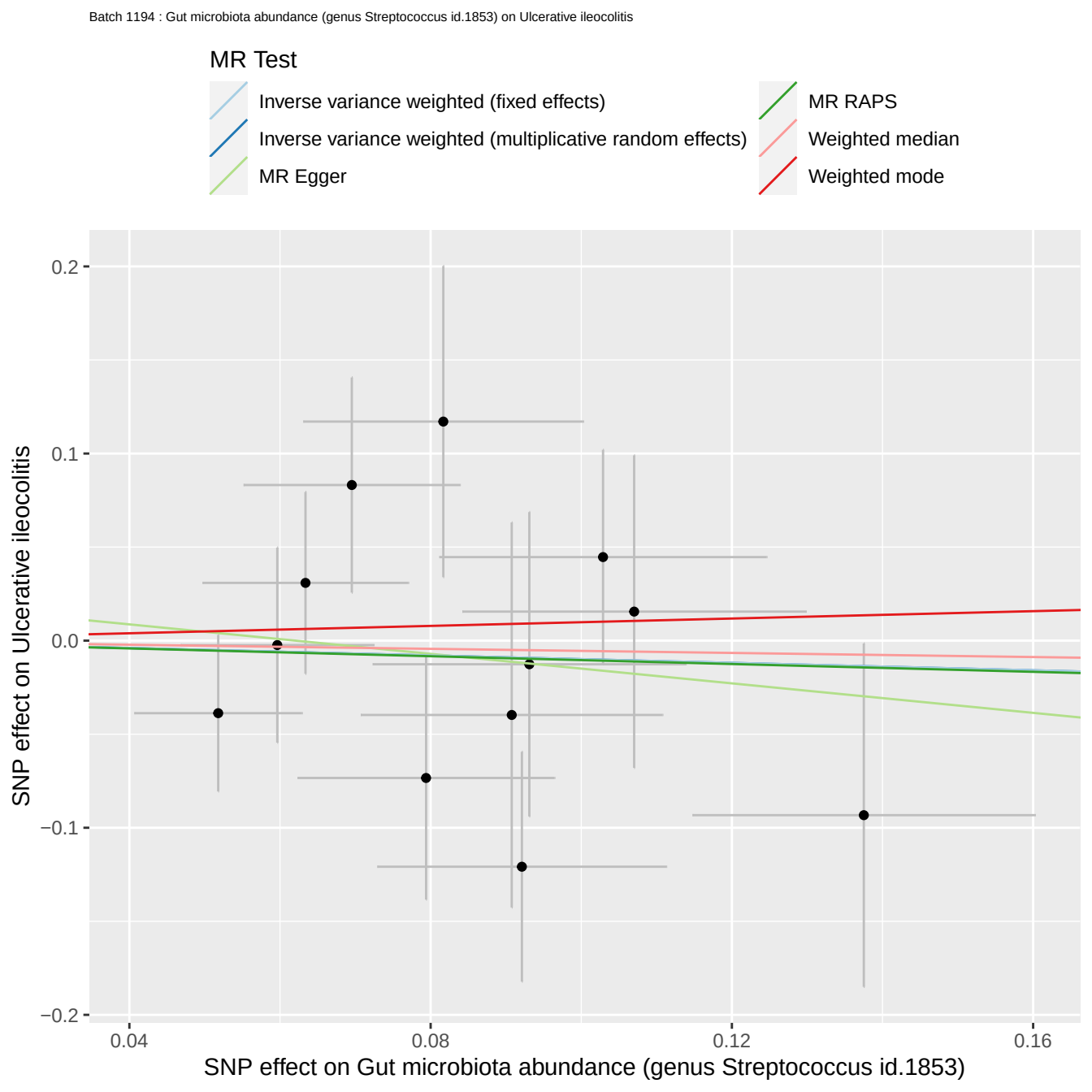

Batch 1189 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

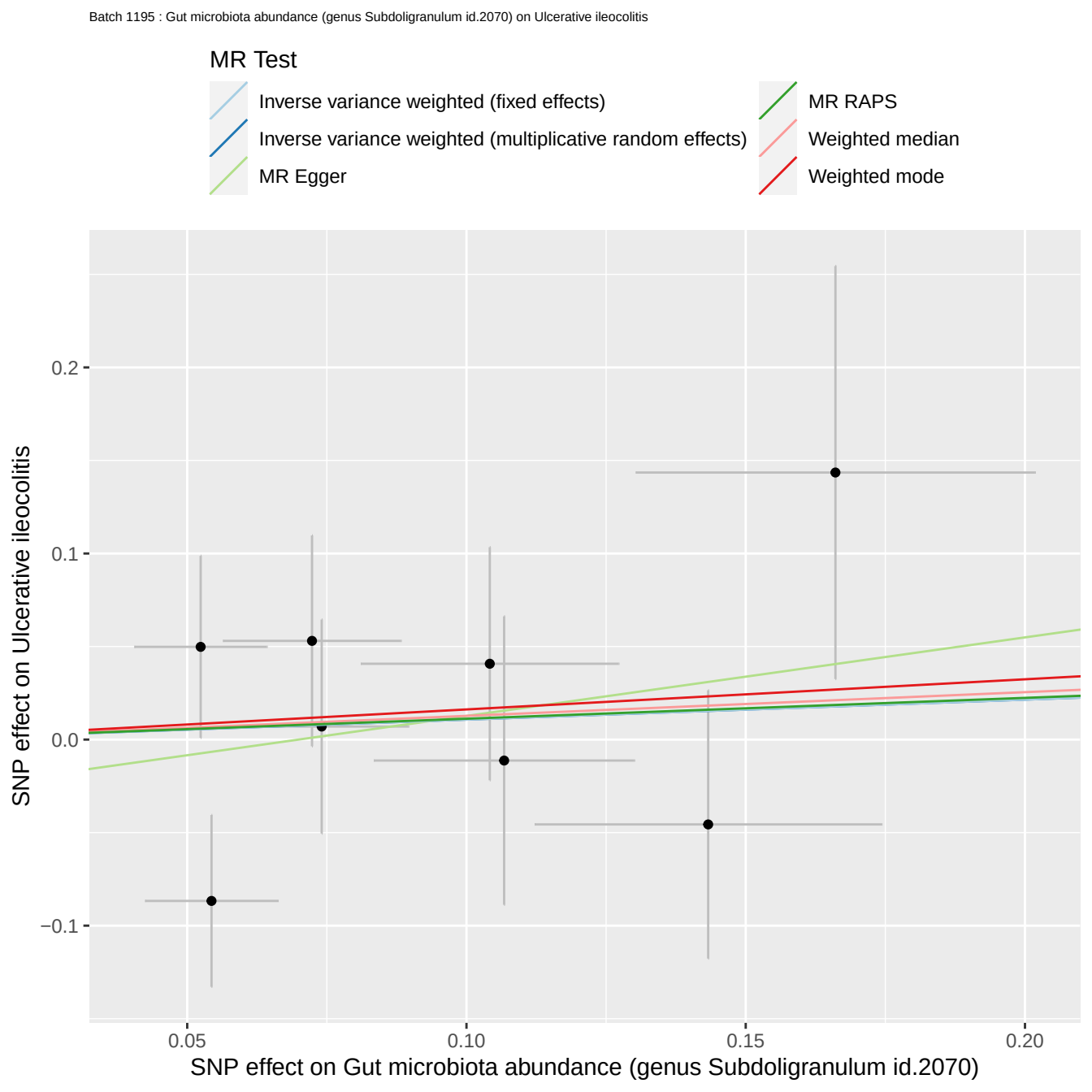

Batch 1190 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (genus Ruminococcus torques group id.14377)

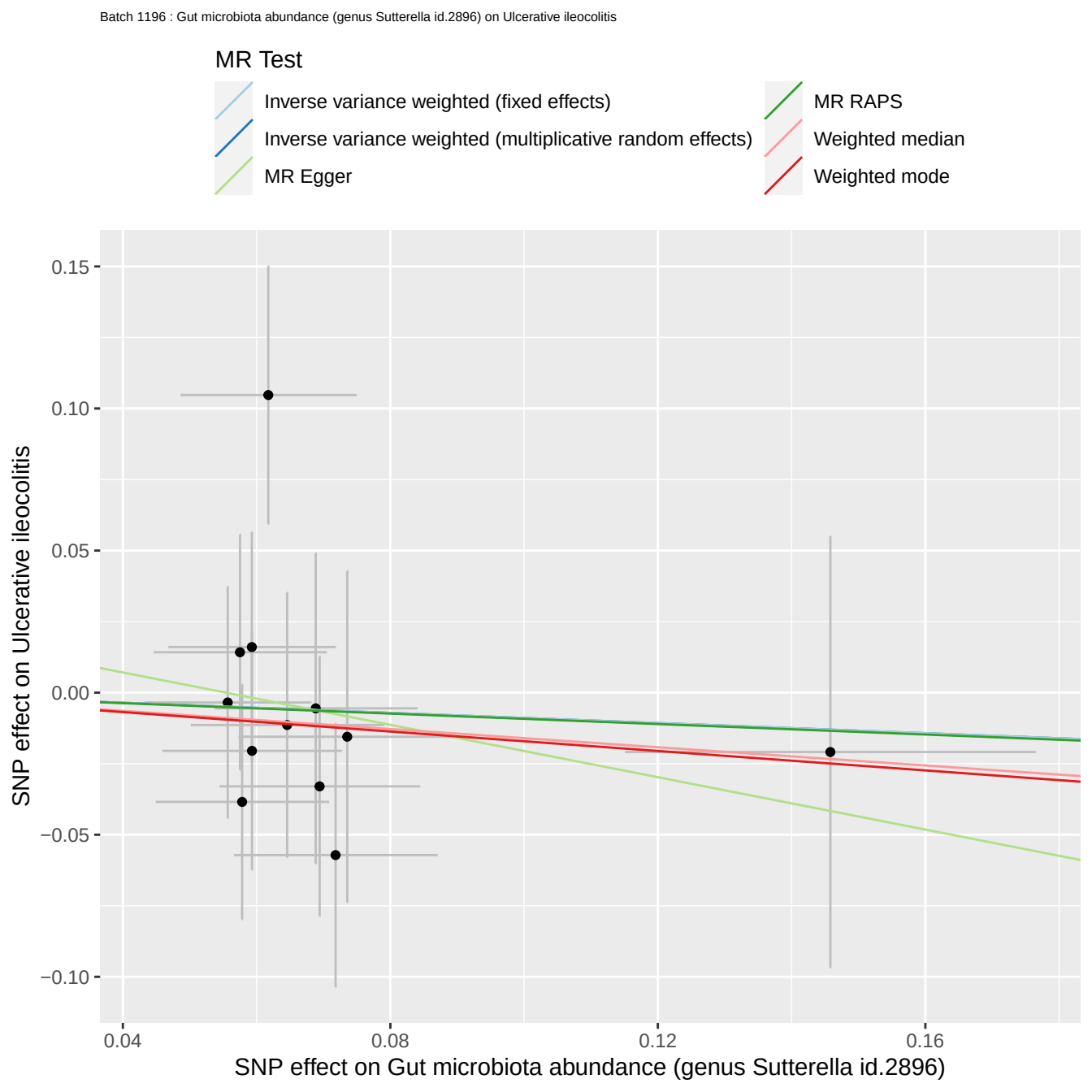

Batch 1191 : Gut microbiota abundance (genus Sellimonas id.14369) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

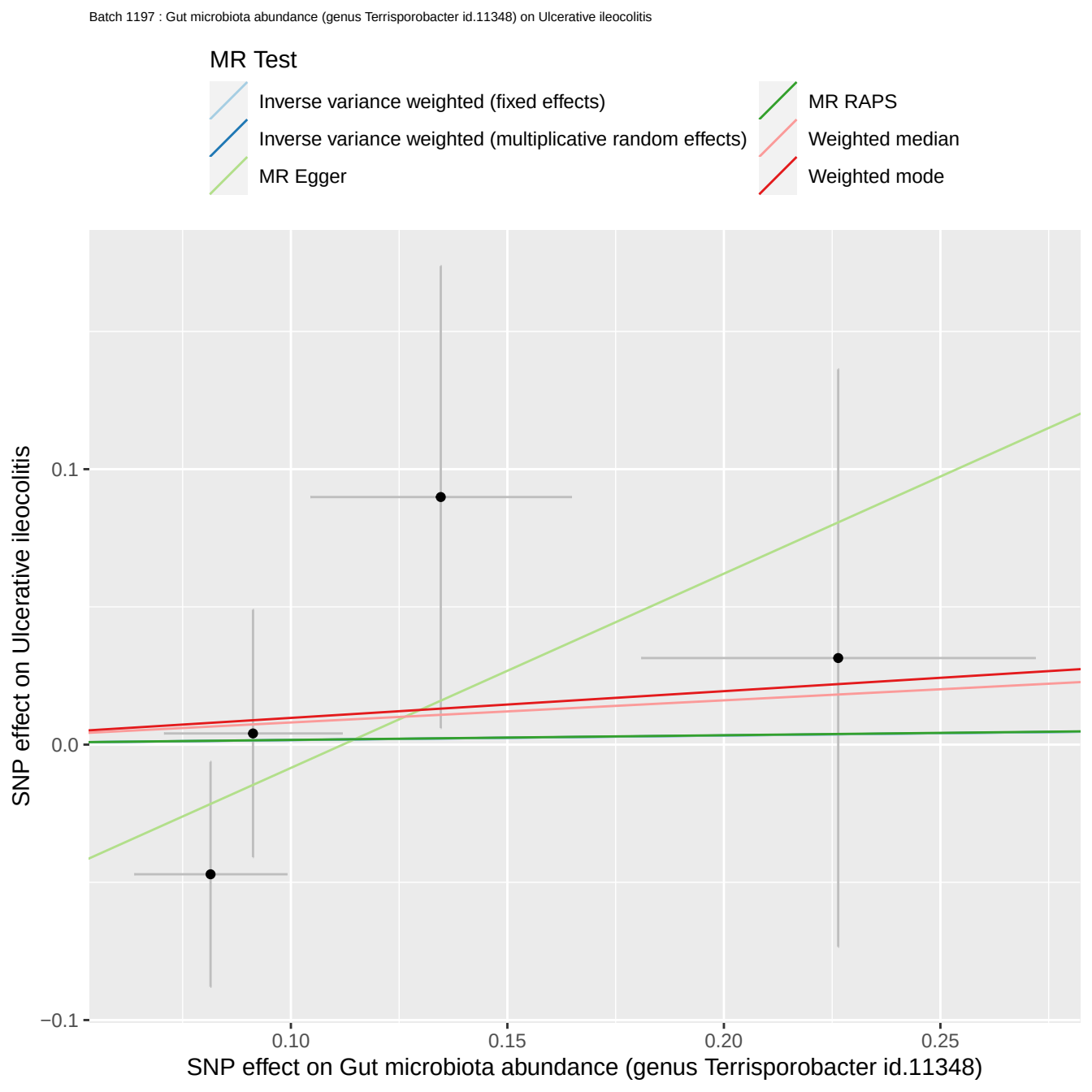

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

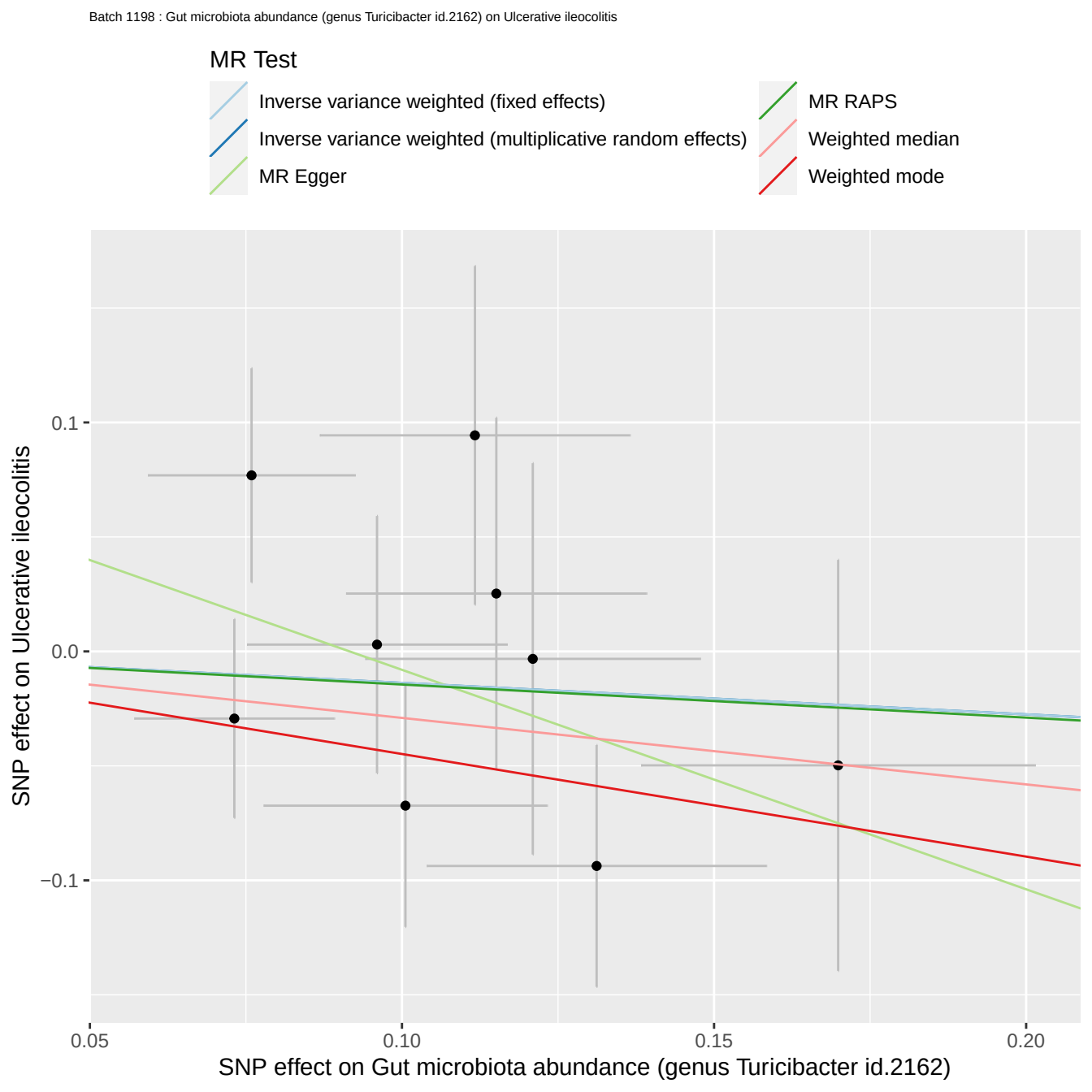

Batch 1193 : Gut microbiota abundance (genus Slackia id.825) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative ileocolitis
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

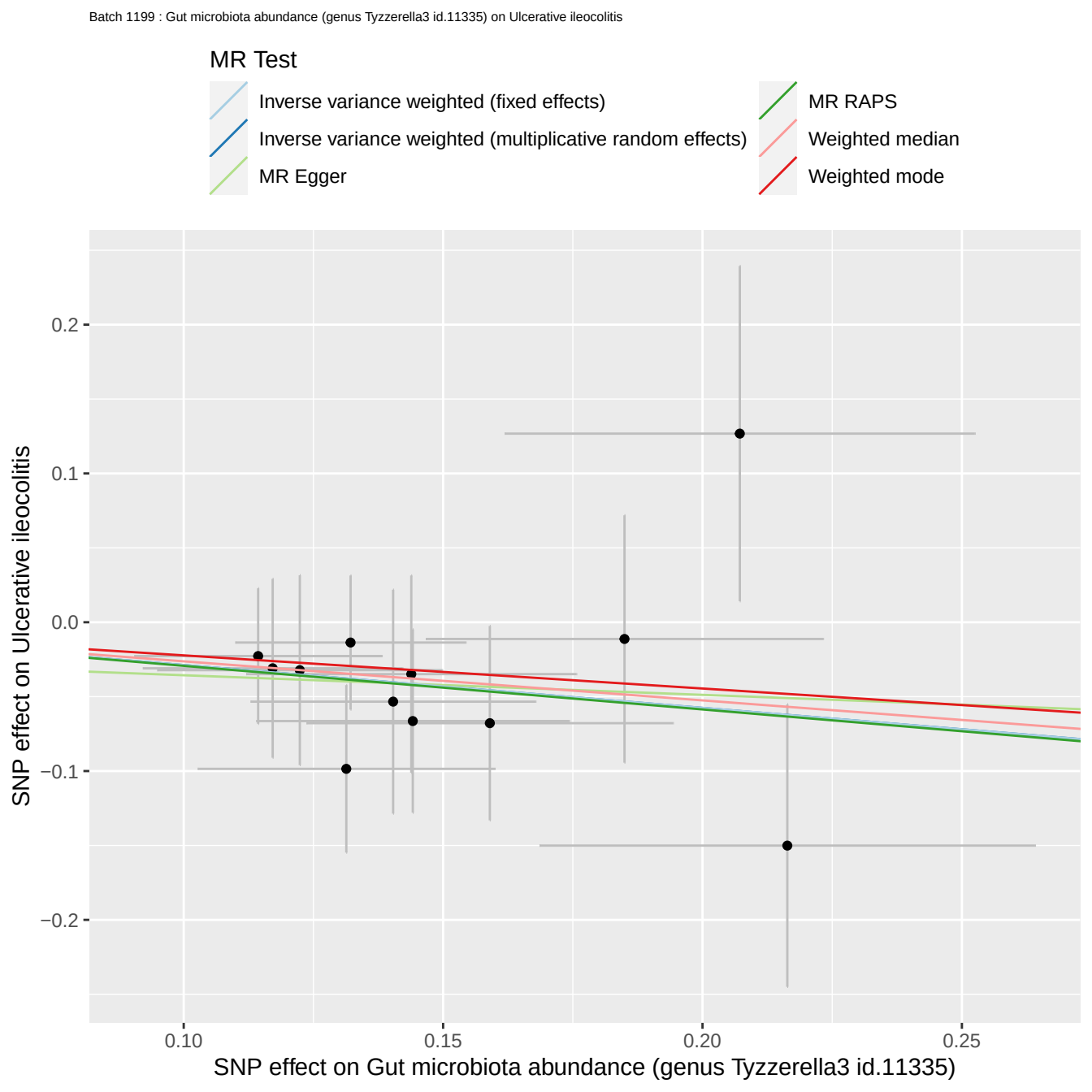

Batch 1194 : Gut microbiota abundance (genus Streptococcus id.1853) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)

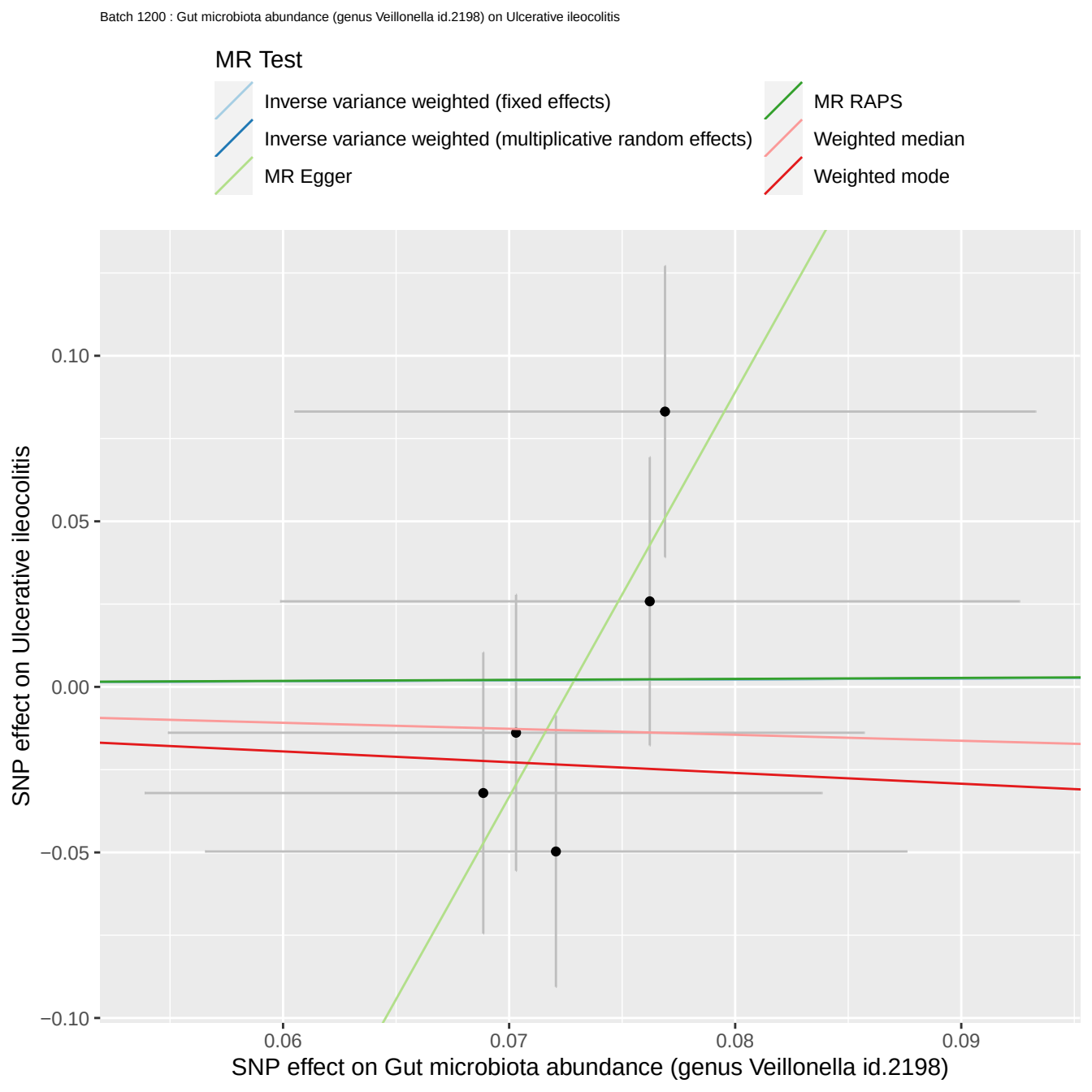

Batch 1195 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

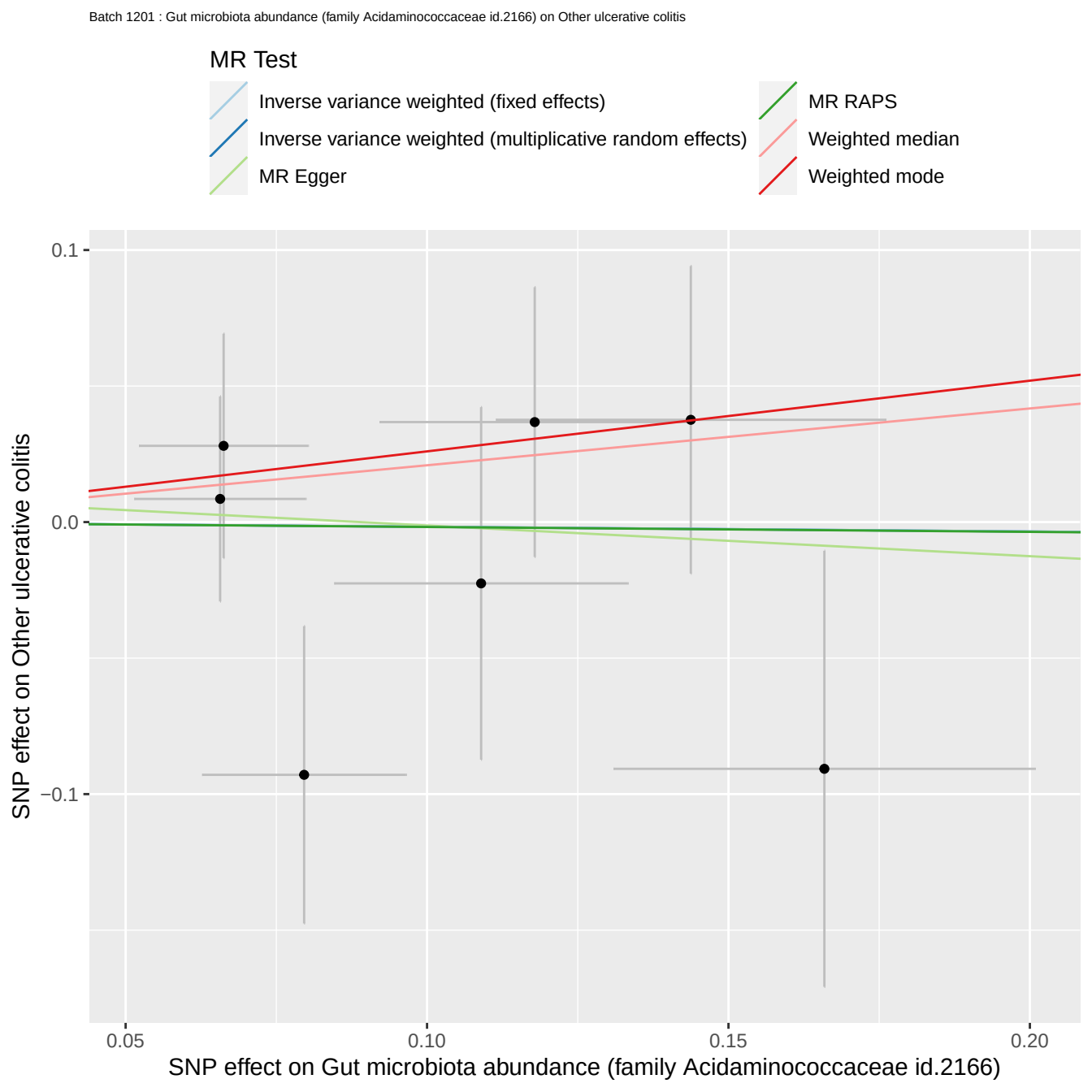

Batch 1196 : Gut microbiota abundance (genus Sutterella id.2896) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)


Batch 1197 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

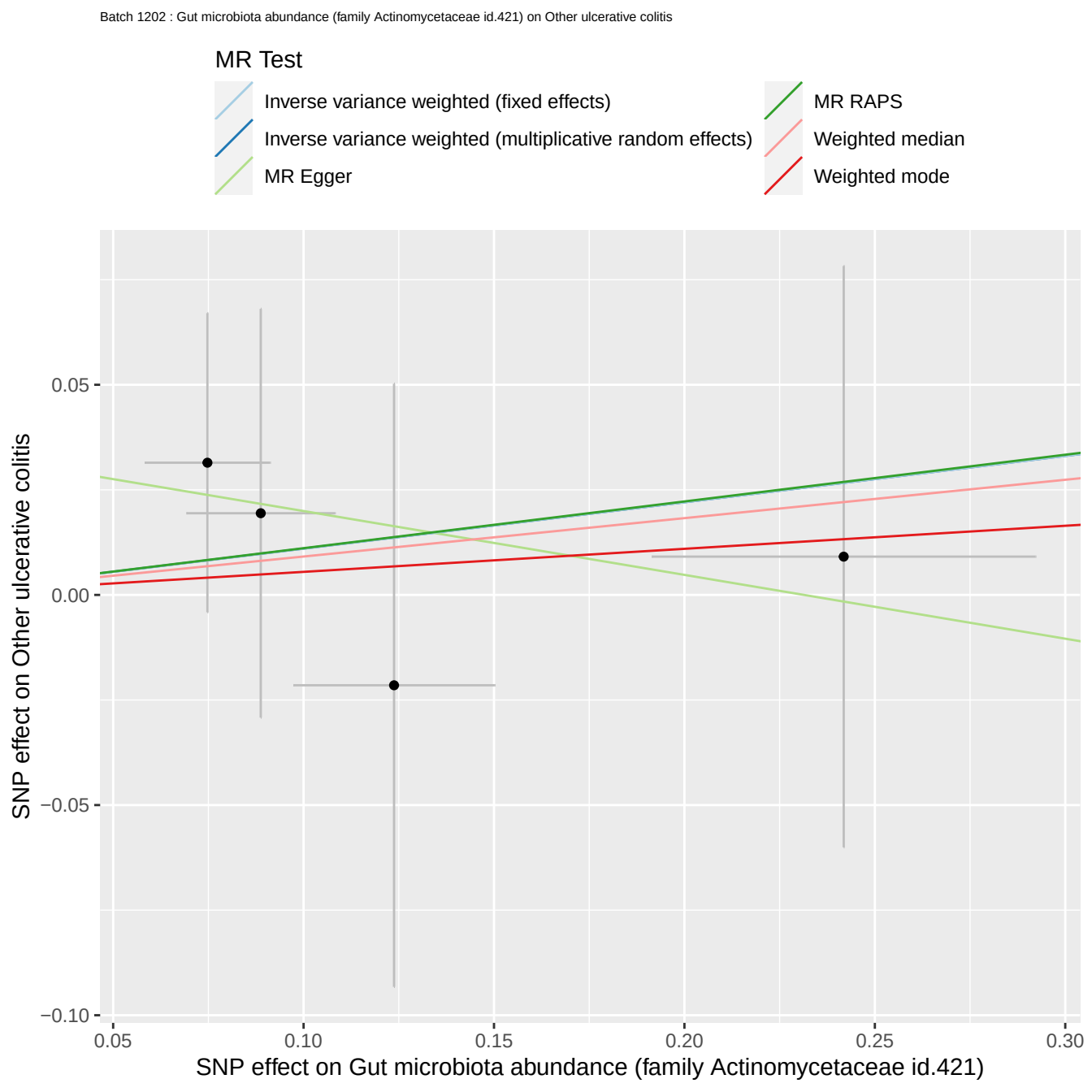

Batch 1198 : Gut microbiota abundance (genus Turicibacter id.2162) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)

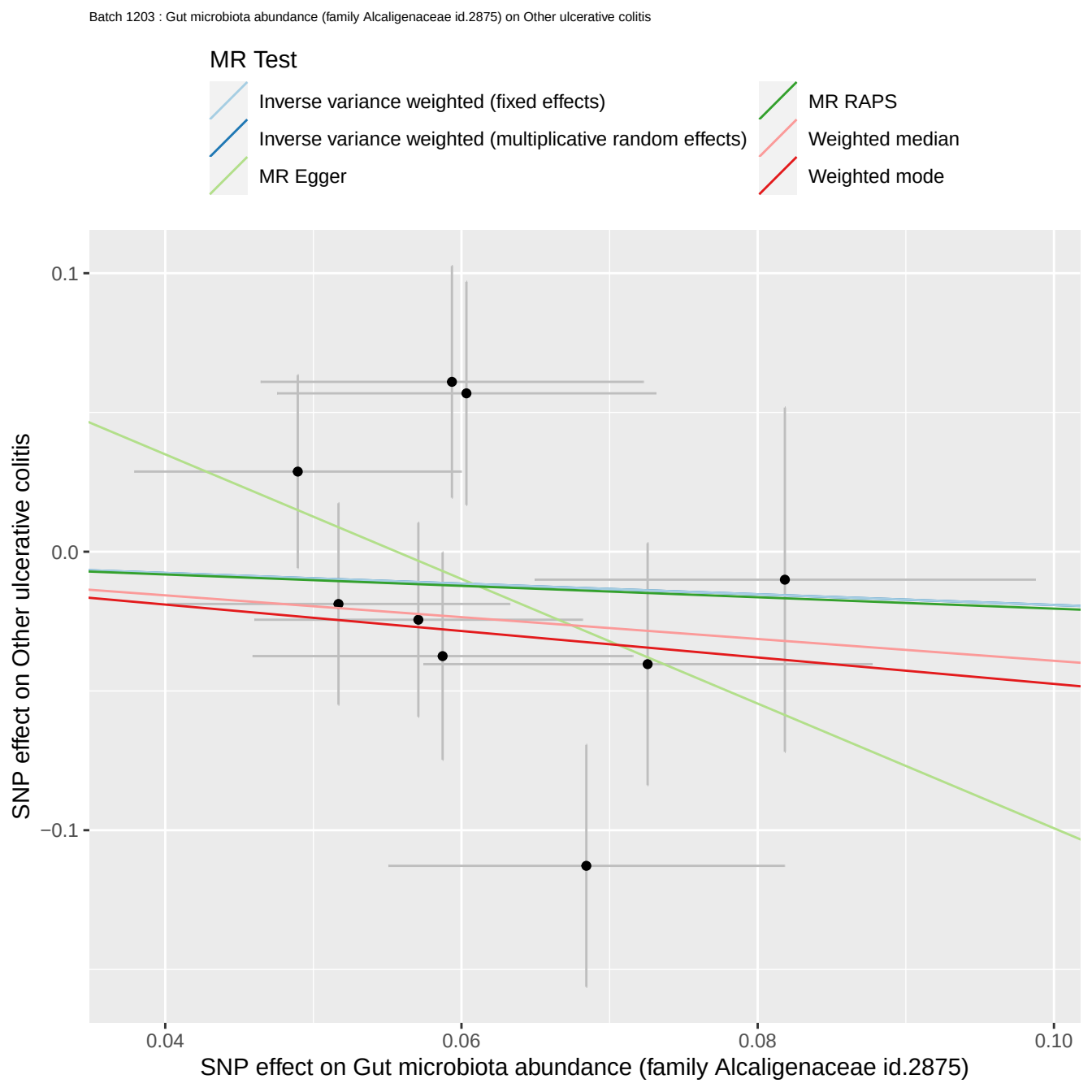

Batch 1199 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

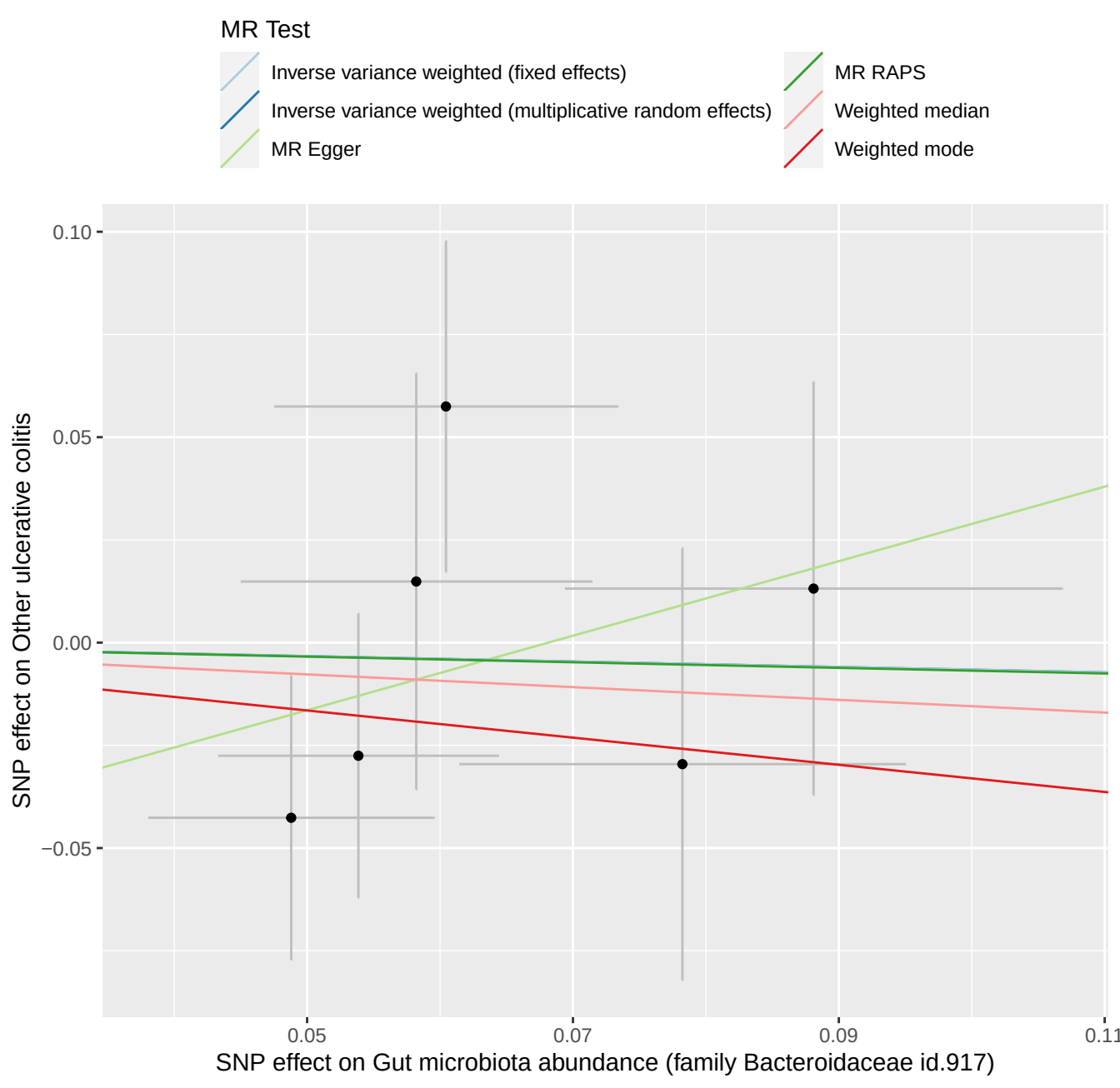

Batch 1200 : Gut microbiota abundance (genus Veillonella id.2198) on Ulcerative ileocolitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative ileocolitis
0.10
0.05
0.00
−0.05
−0.10
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)

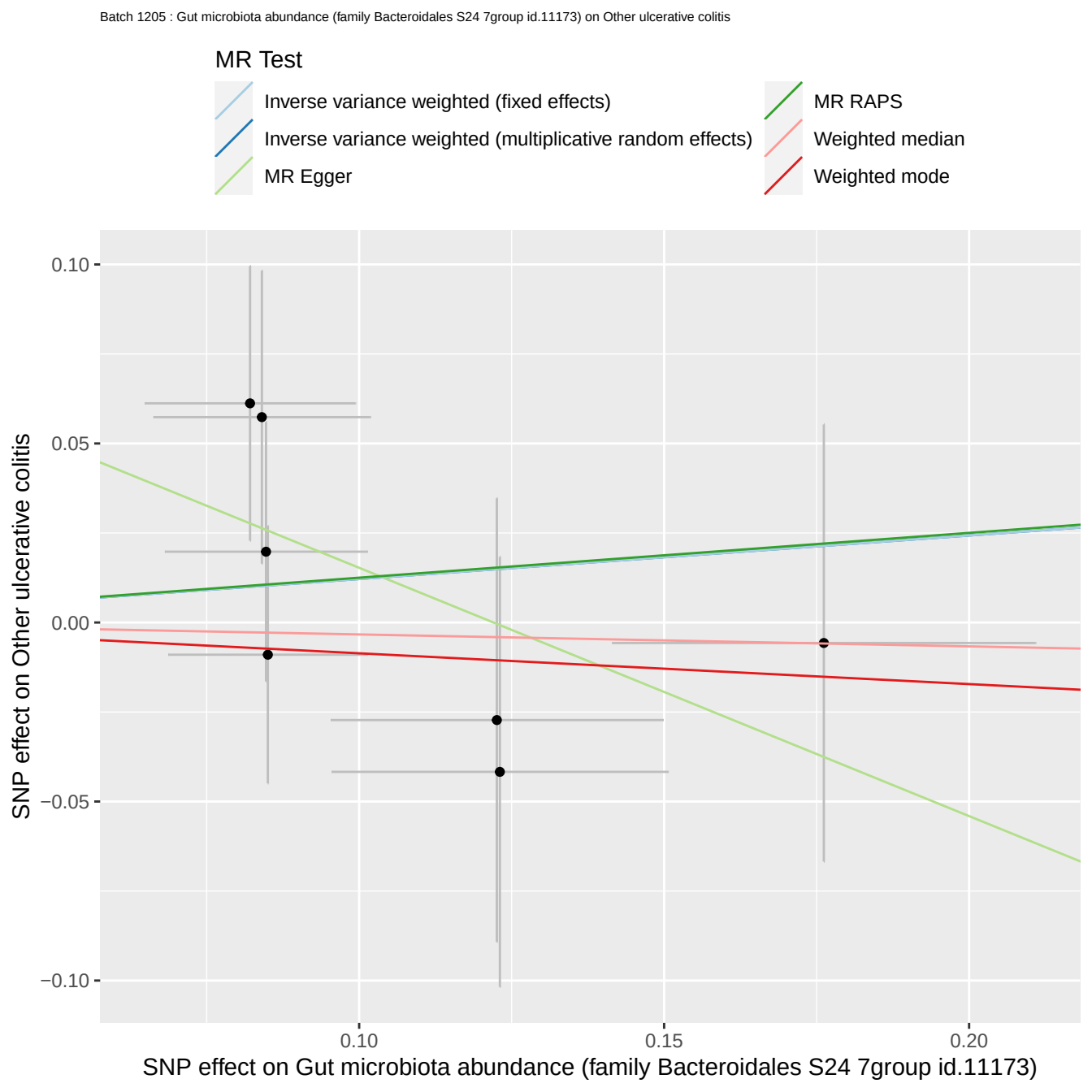

Batch 1201 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

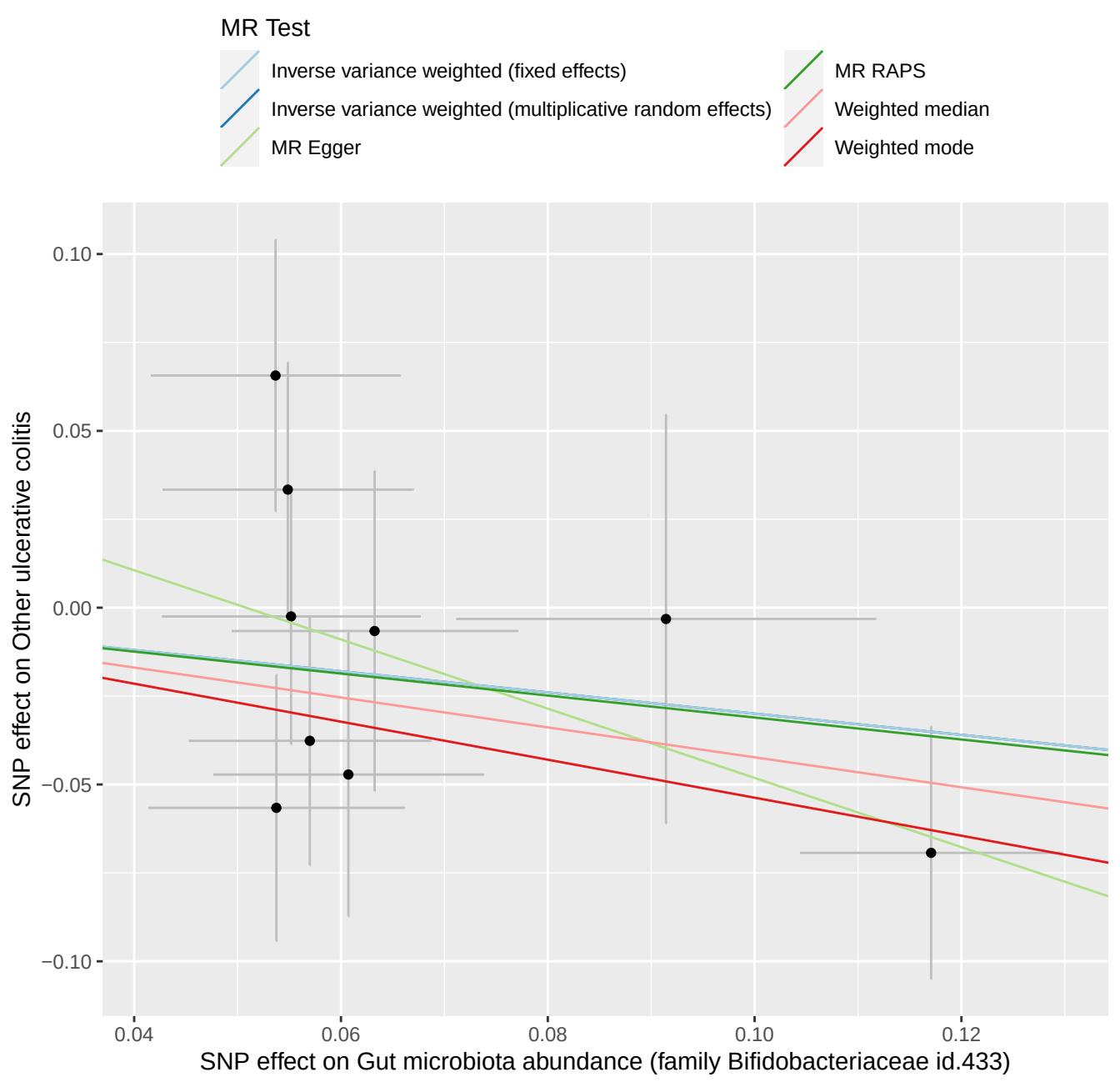
Batch 1202 : Gut microbiota abundance (family Actinomycetaceae id.421) on Other ulcerative colitis

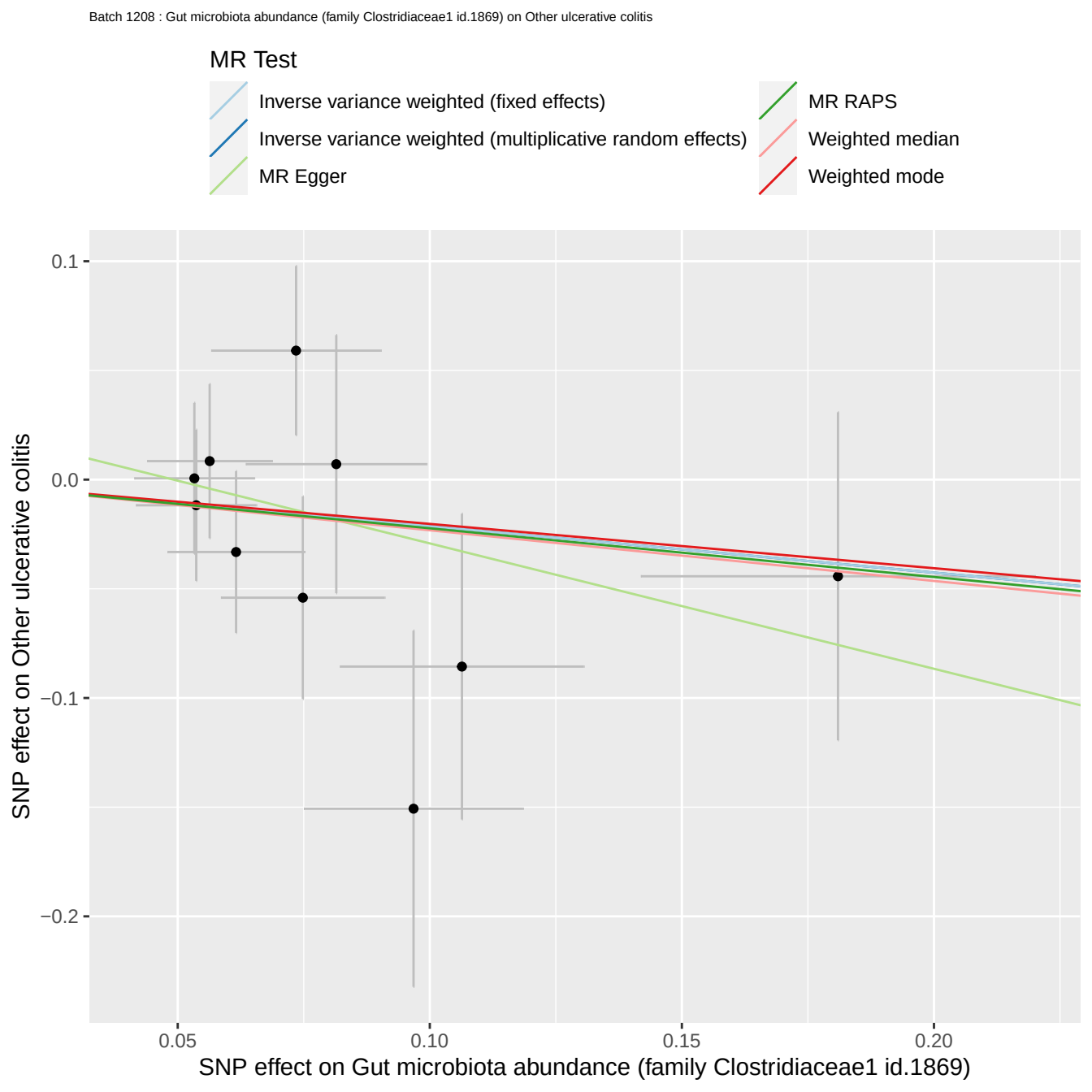


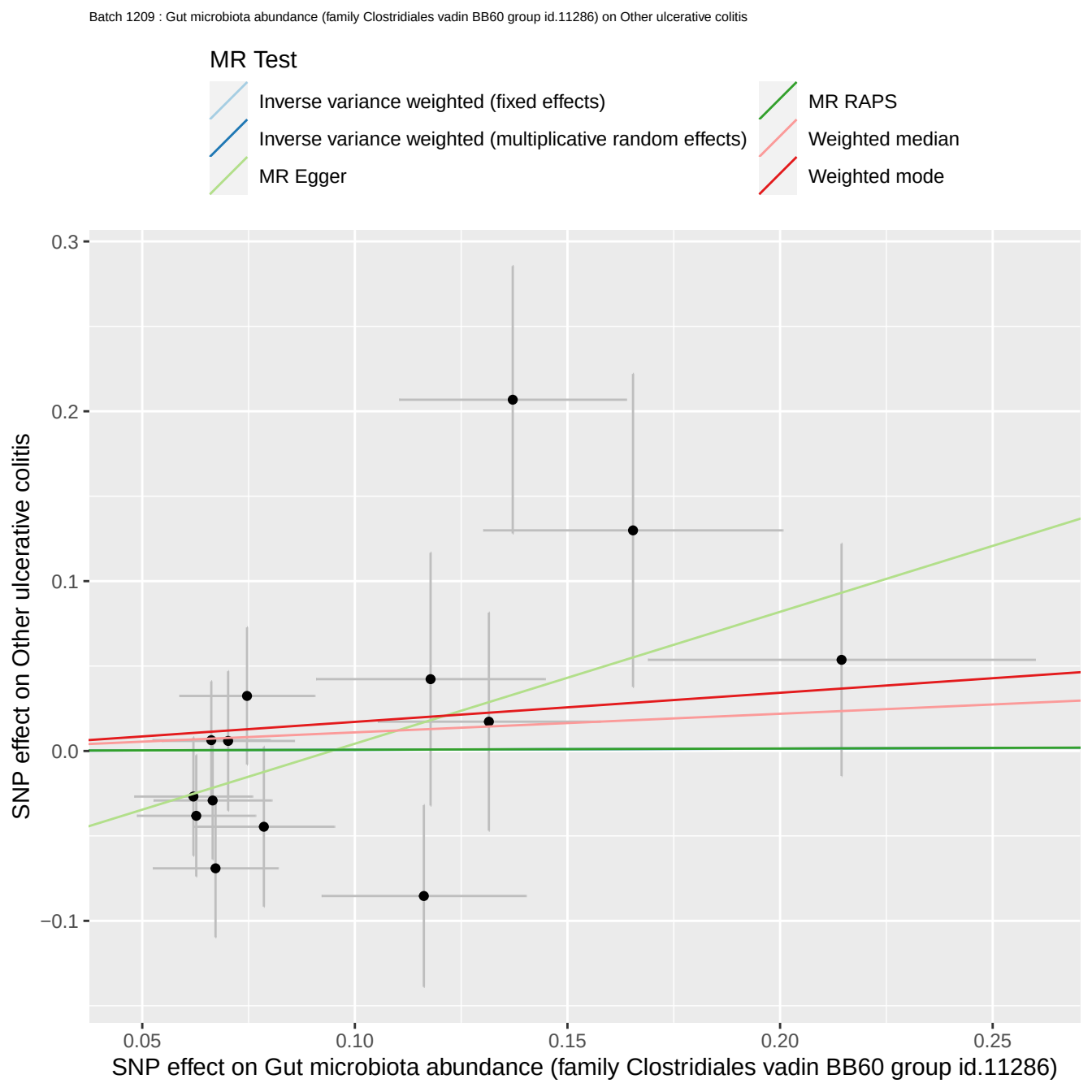

Batch 1203 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

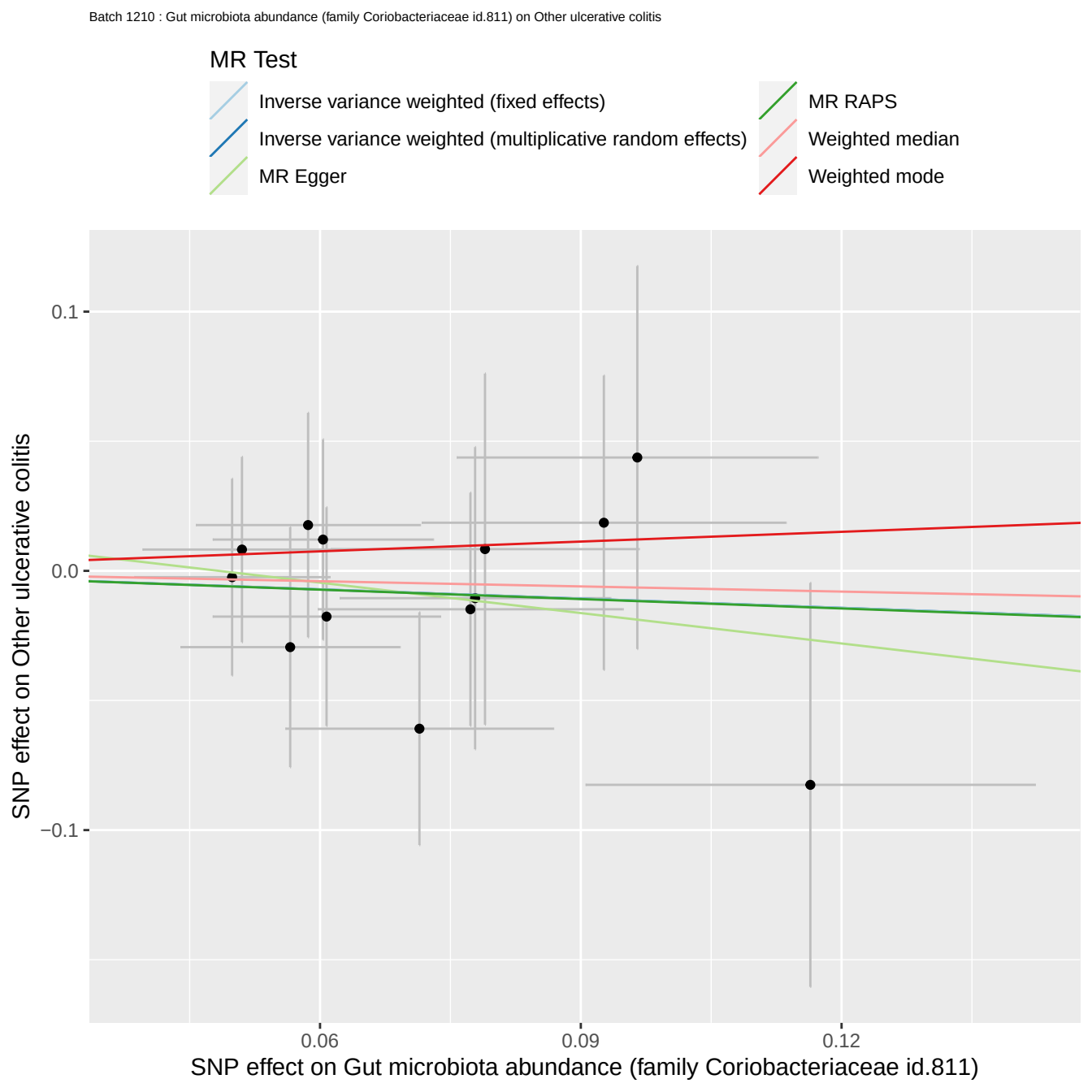

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (family Bacteroidaceae id.917)

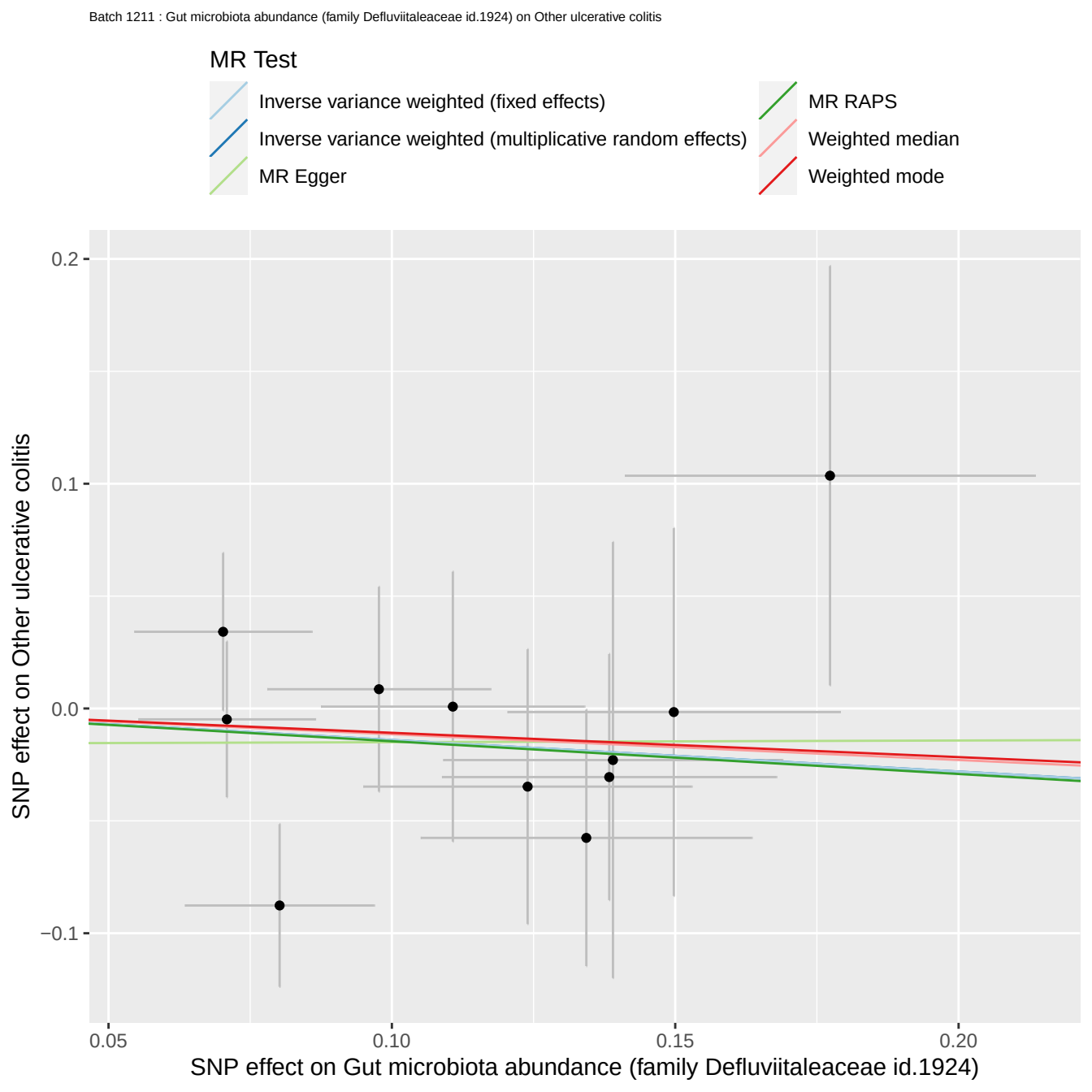

Batch 1205 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

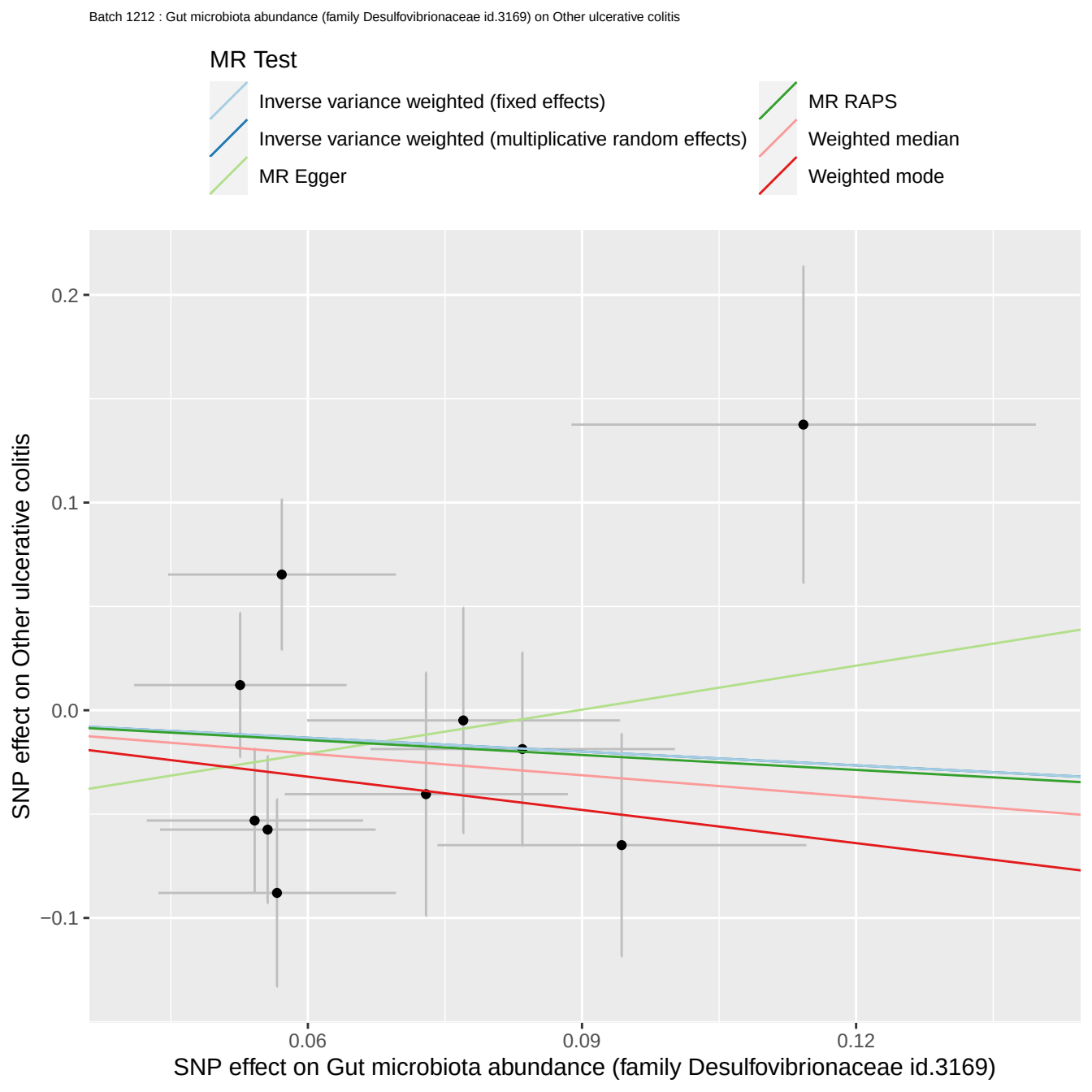

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

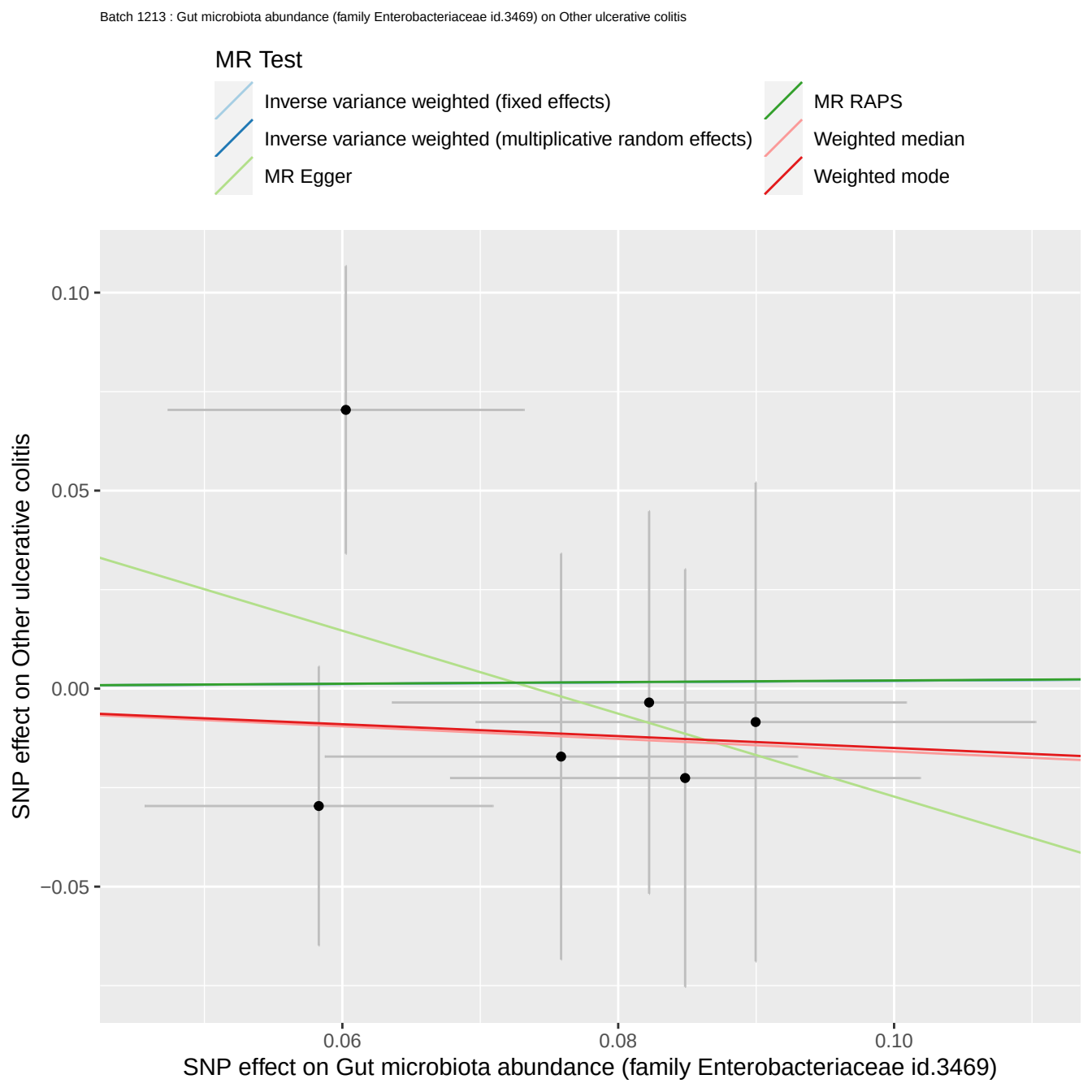

Batch 1208 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)


Batch 1209 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

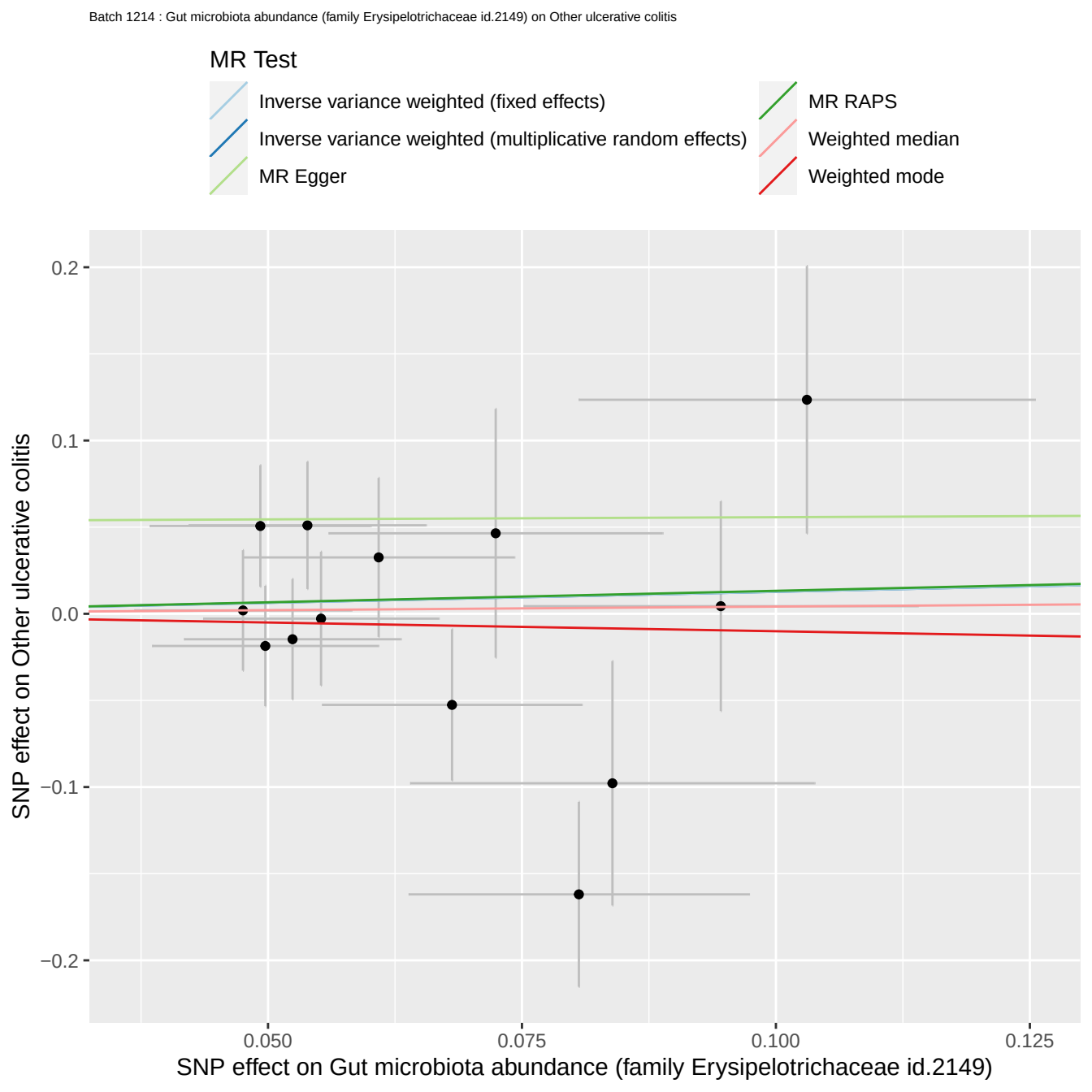

Batch 1210 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

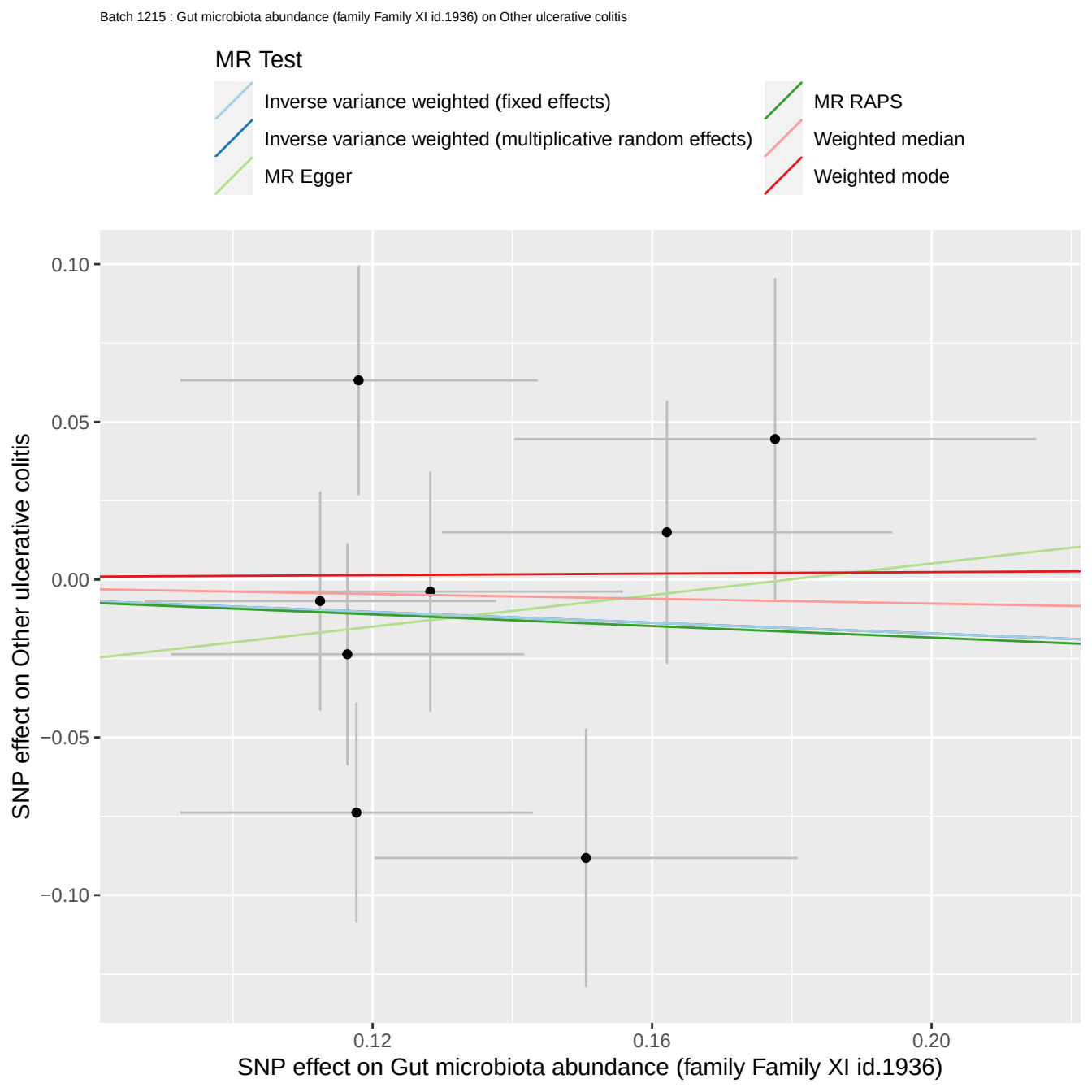

Batch 1211 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

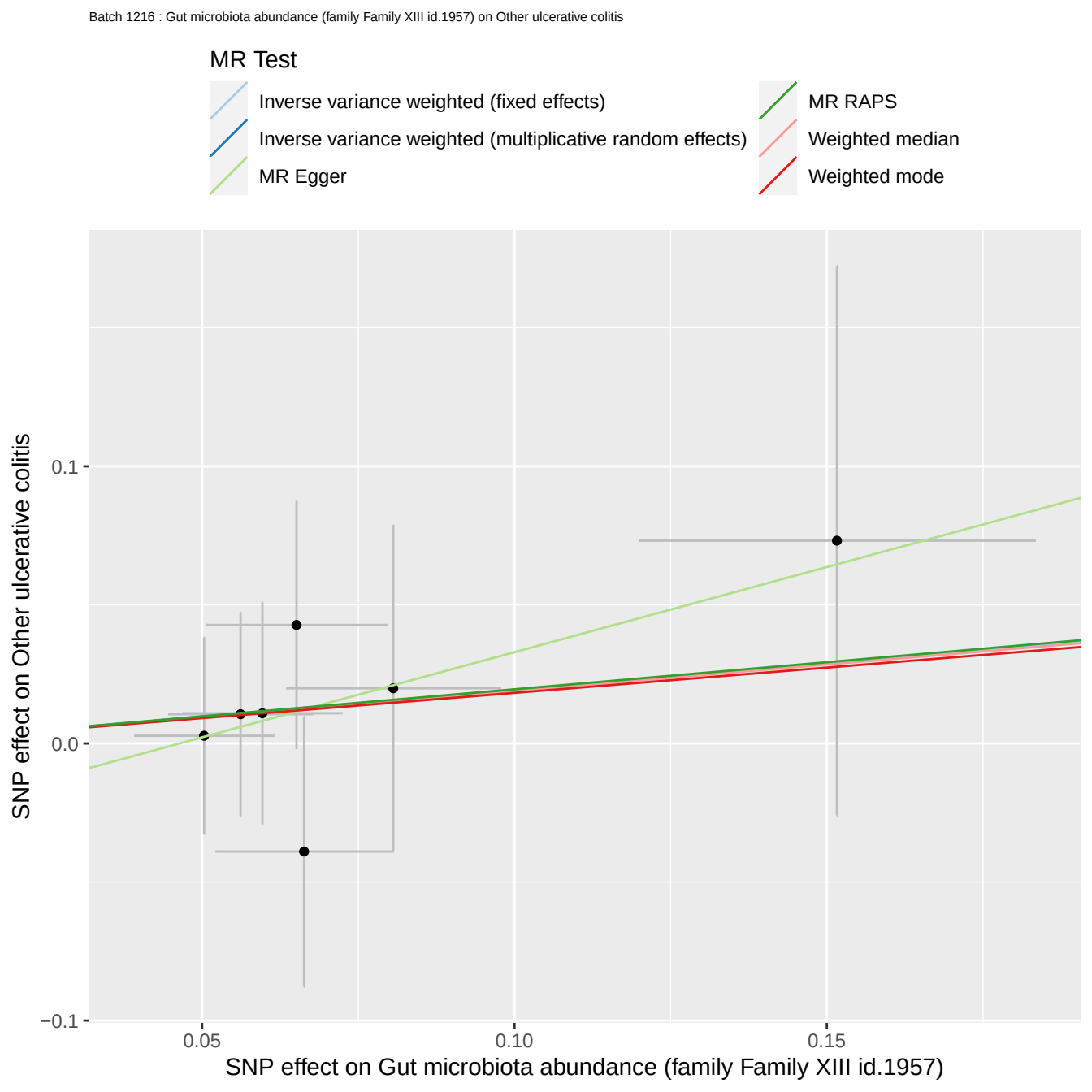

Batch 1212 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

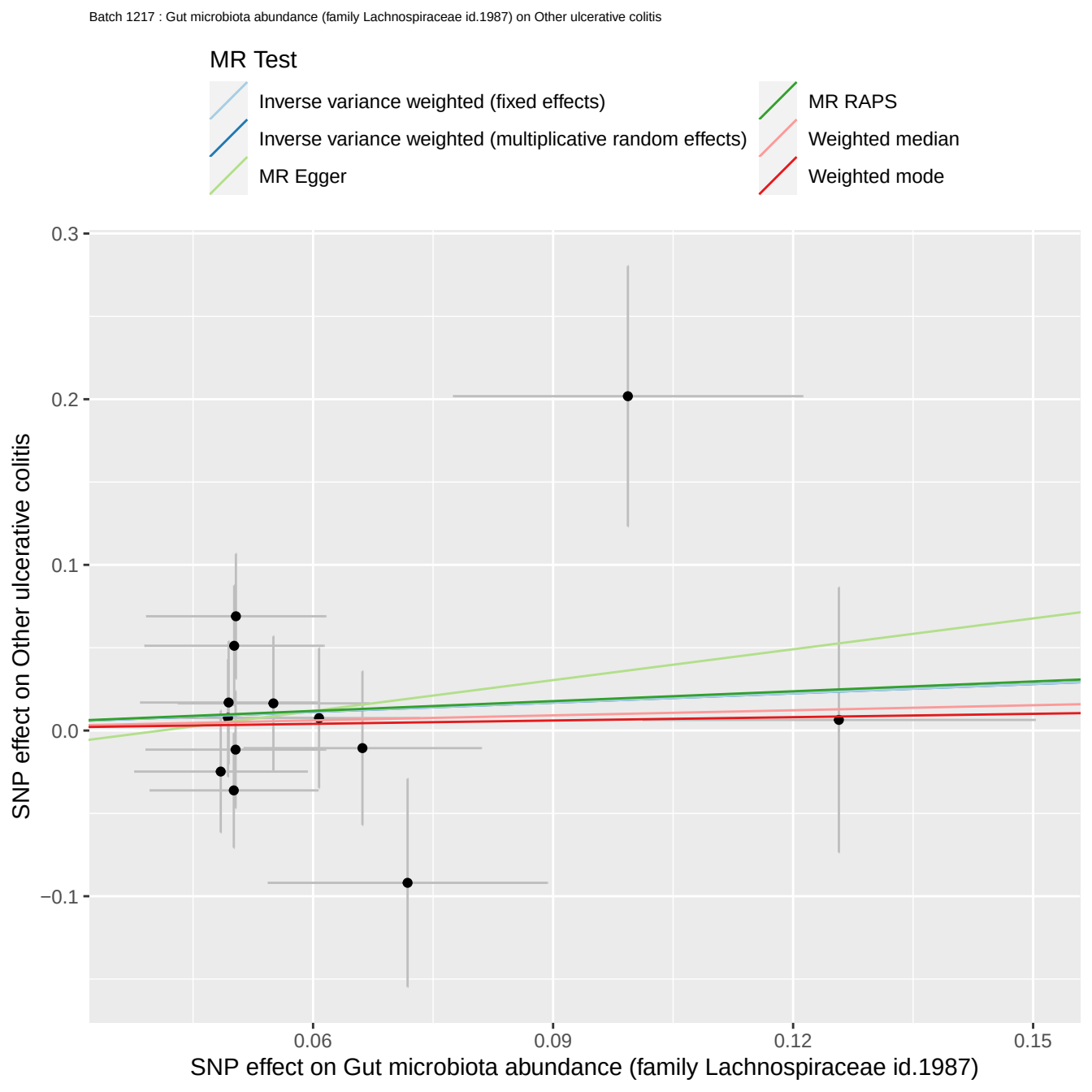

Batch 1213 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

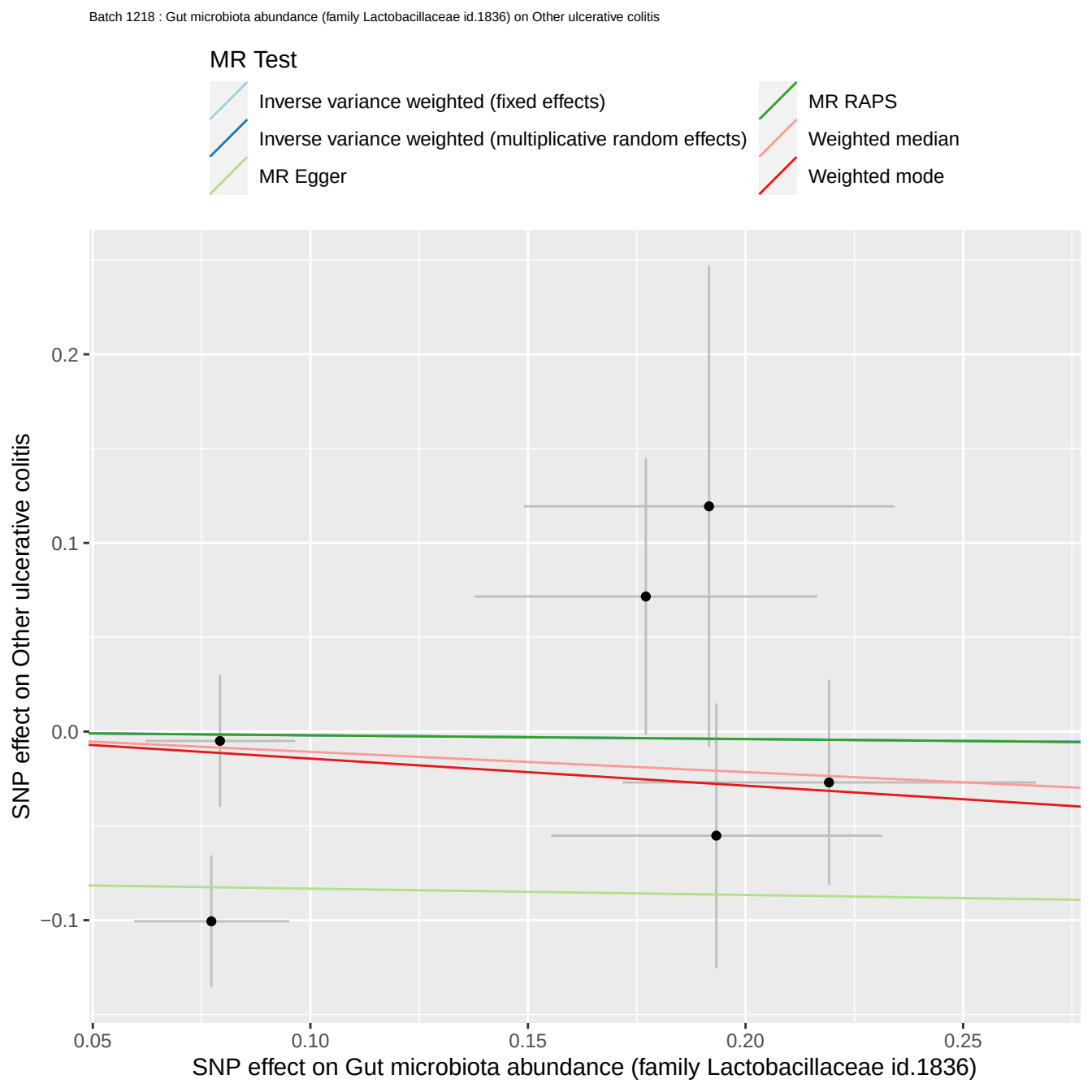
Batch 1214 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Other ulcerative colitis

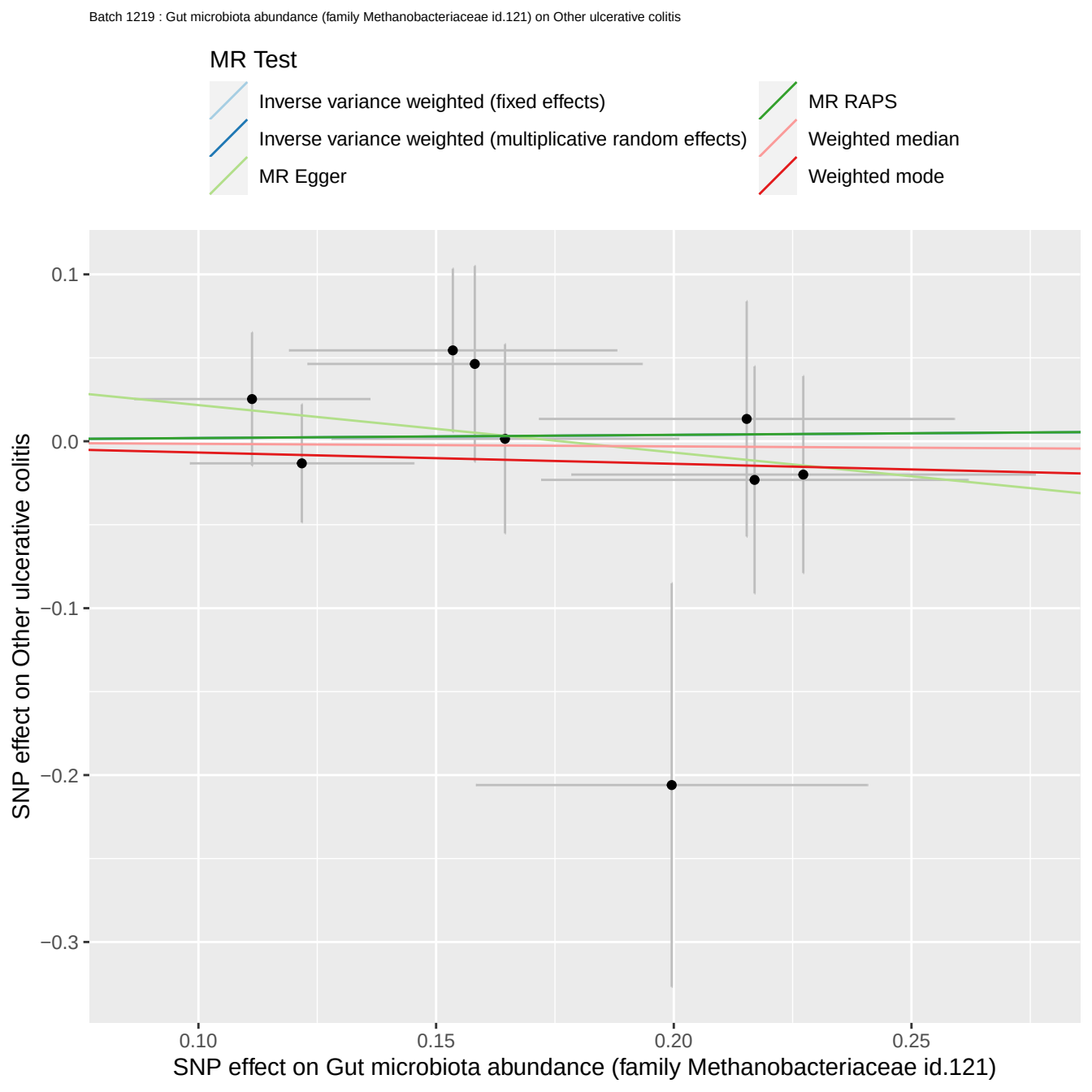


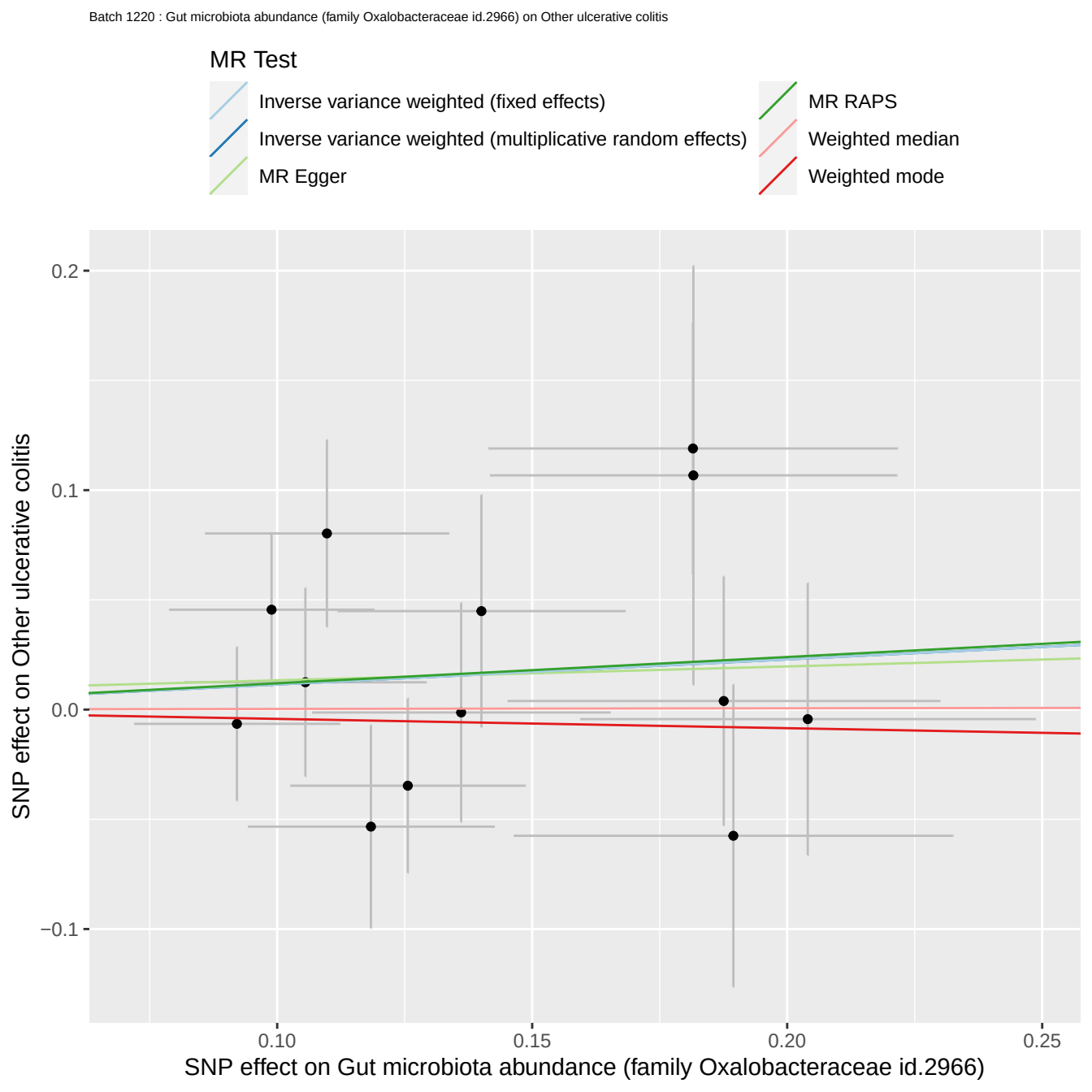

Batch 1215 : Gut microbiota abundance (family Family XI id.1936) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

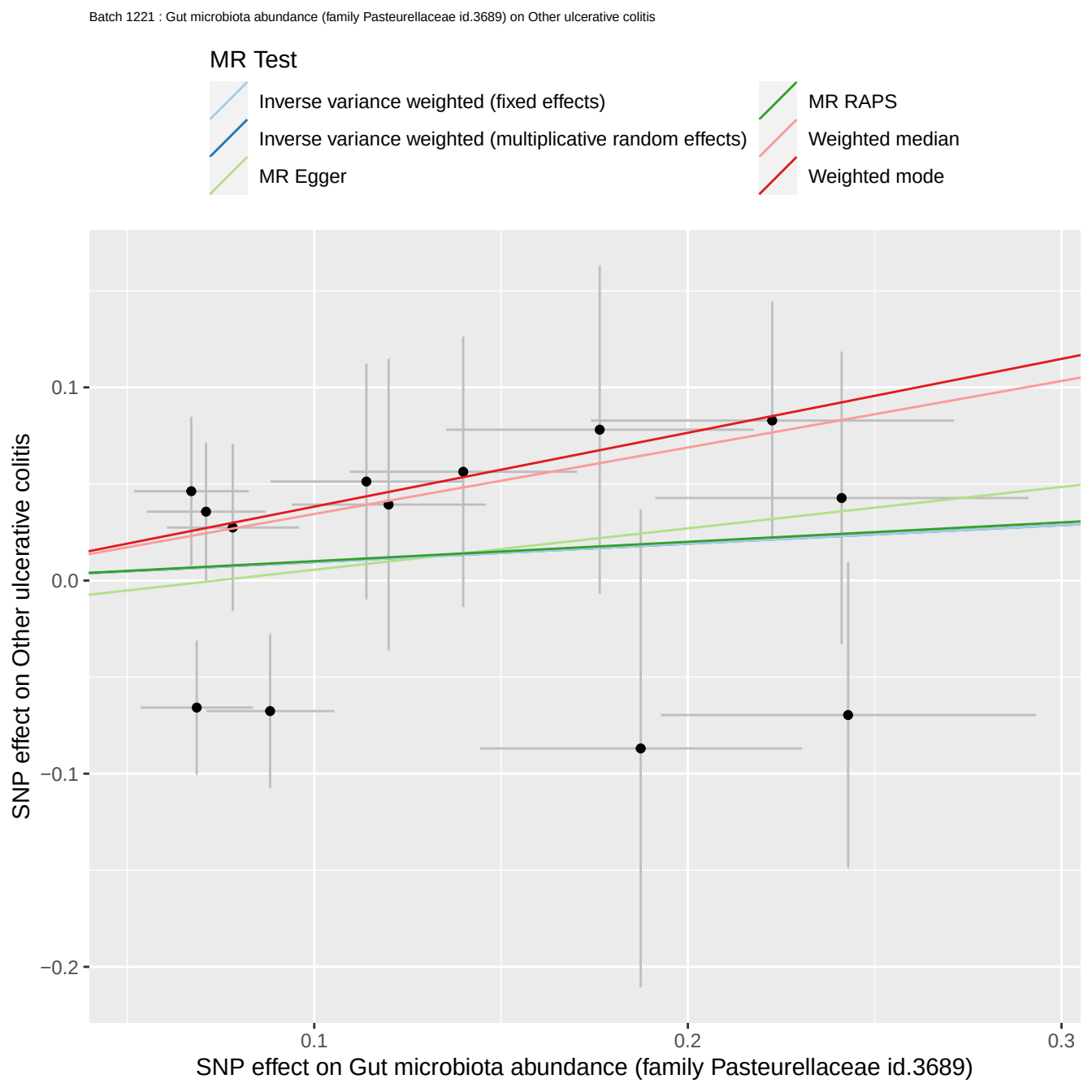

Batch 1216 : Gut microbiota abundance (family Family XIII id.1957) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Family XIII id.1957)

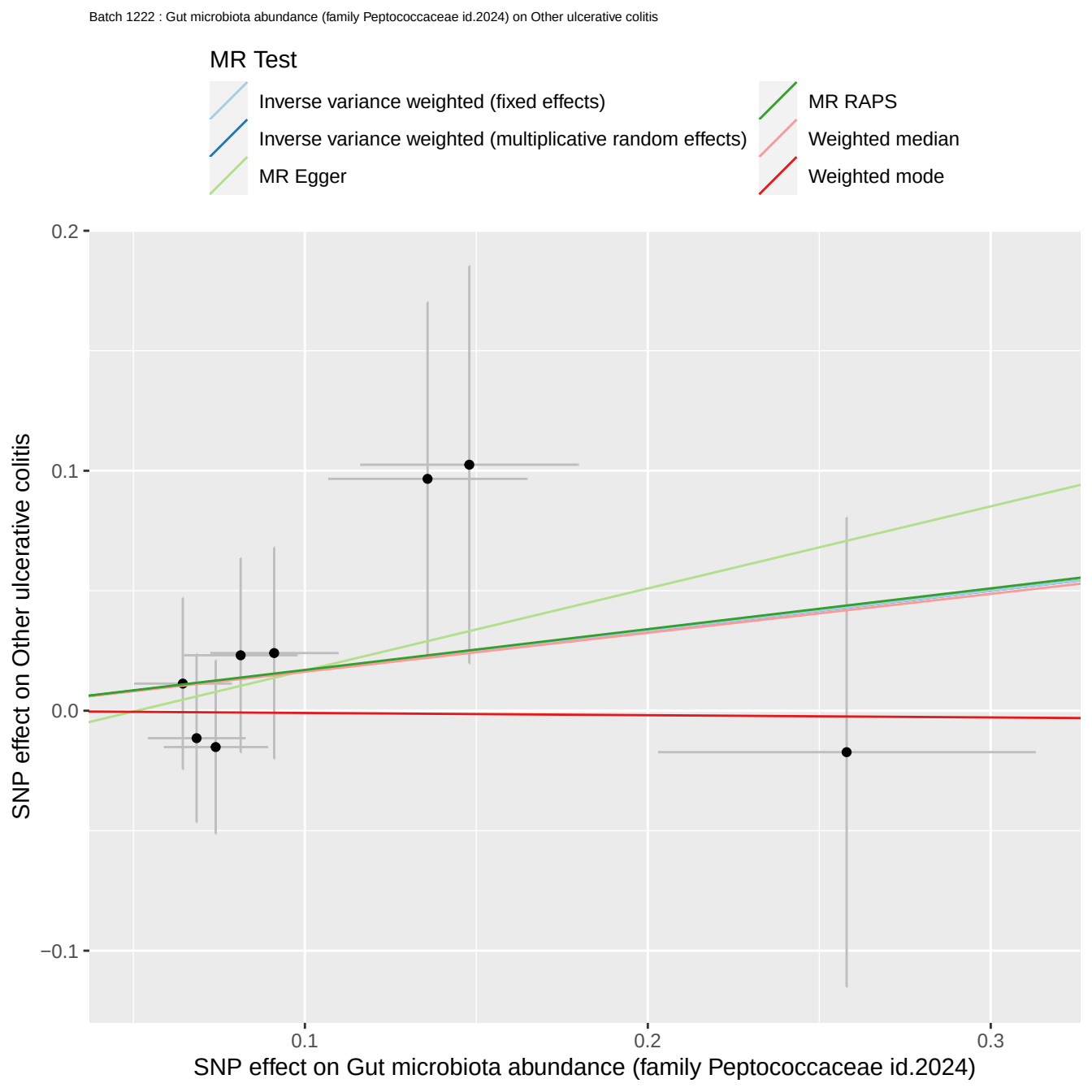

Batch 1217 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.3
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)

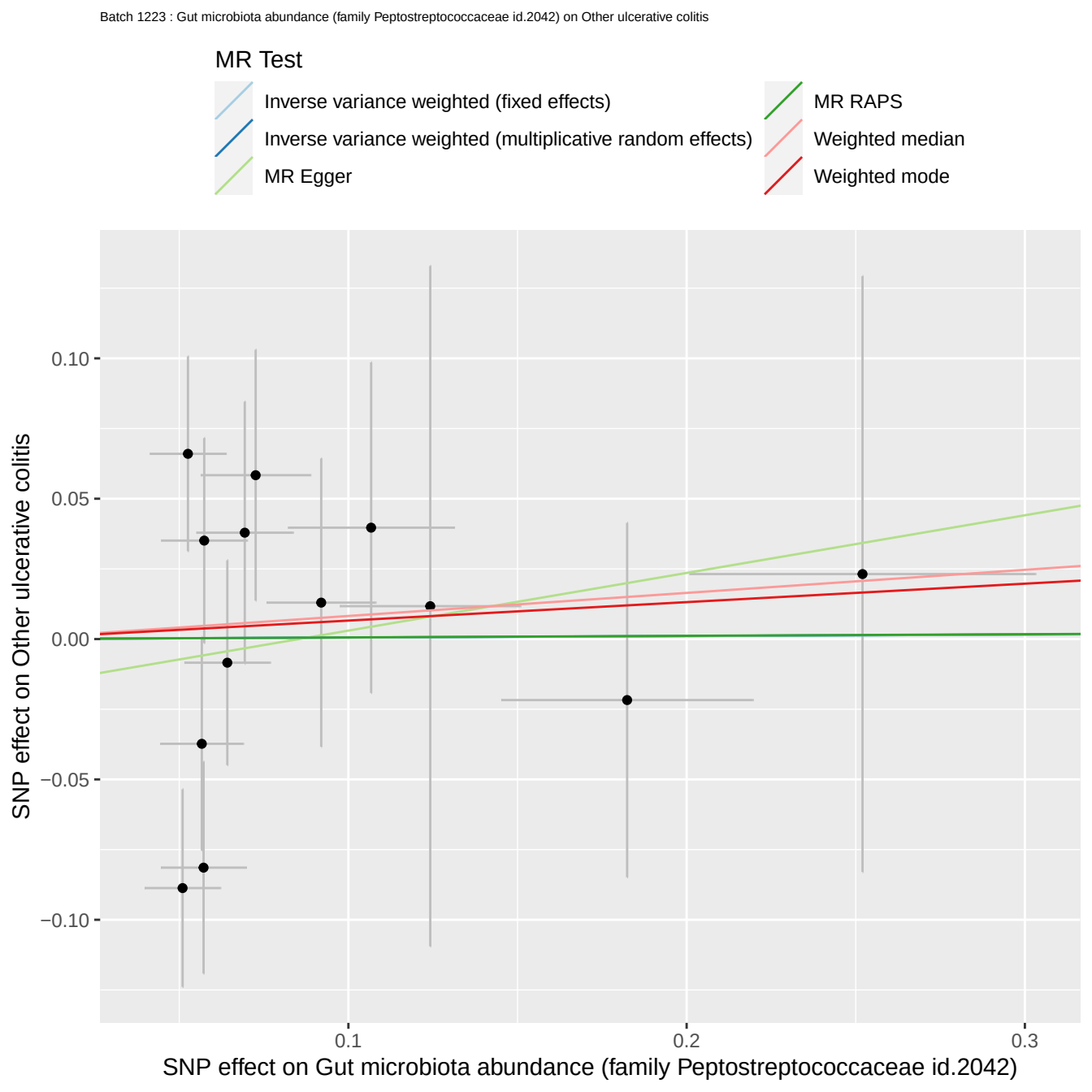

Batch 1218 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

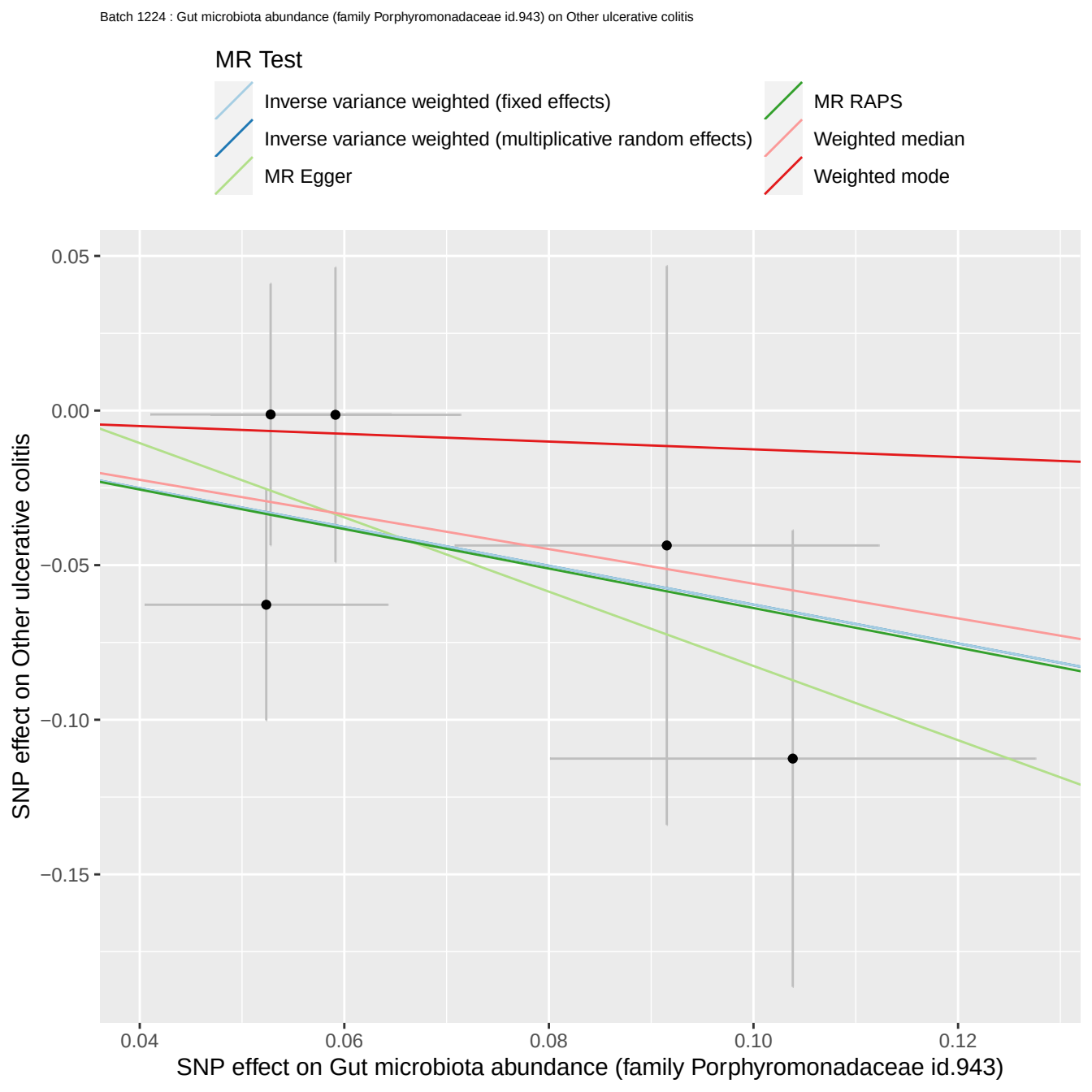

Batch 1219 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

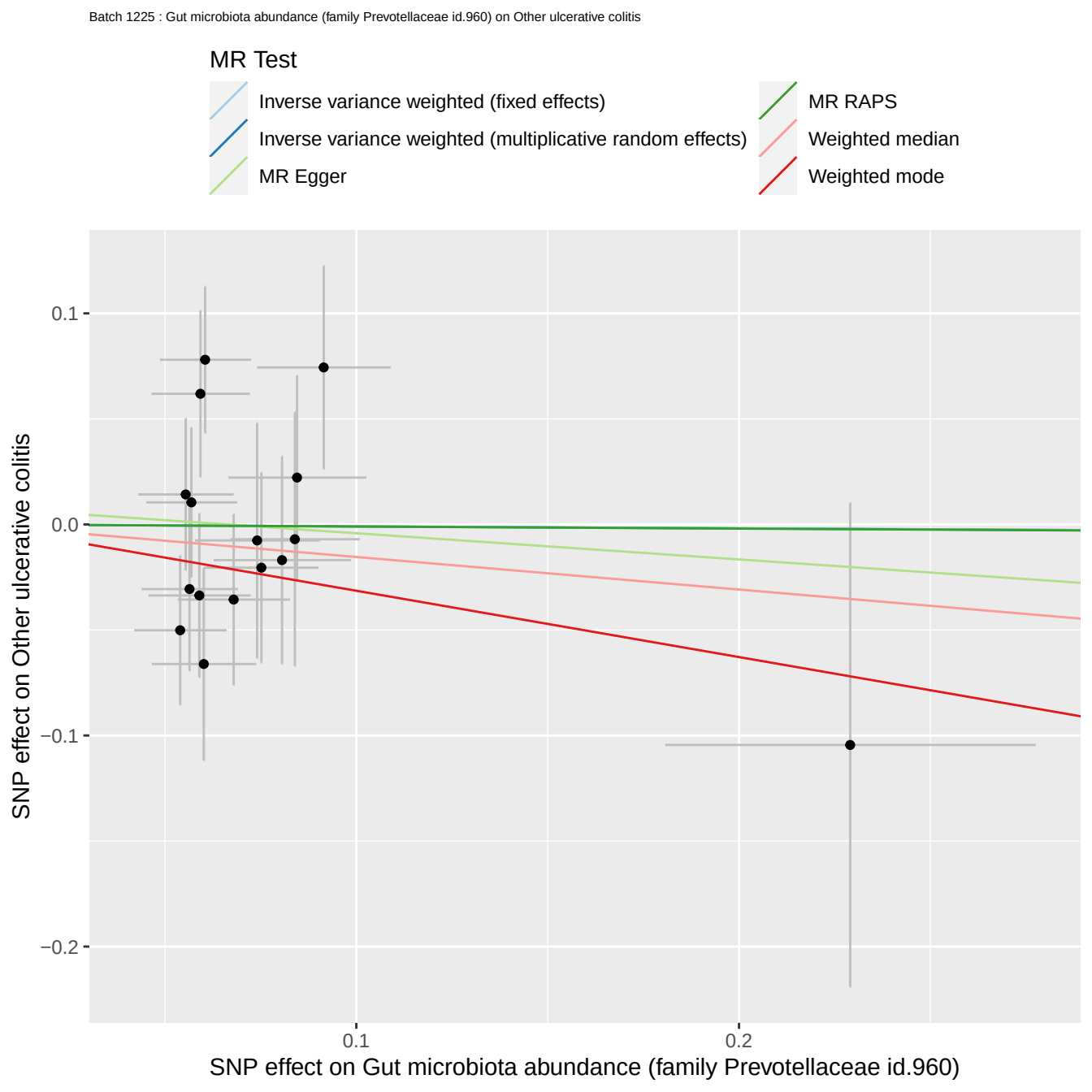

Batch 1220 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)

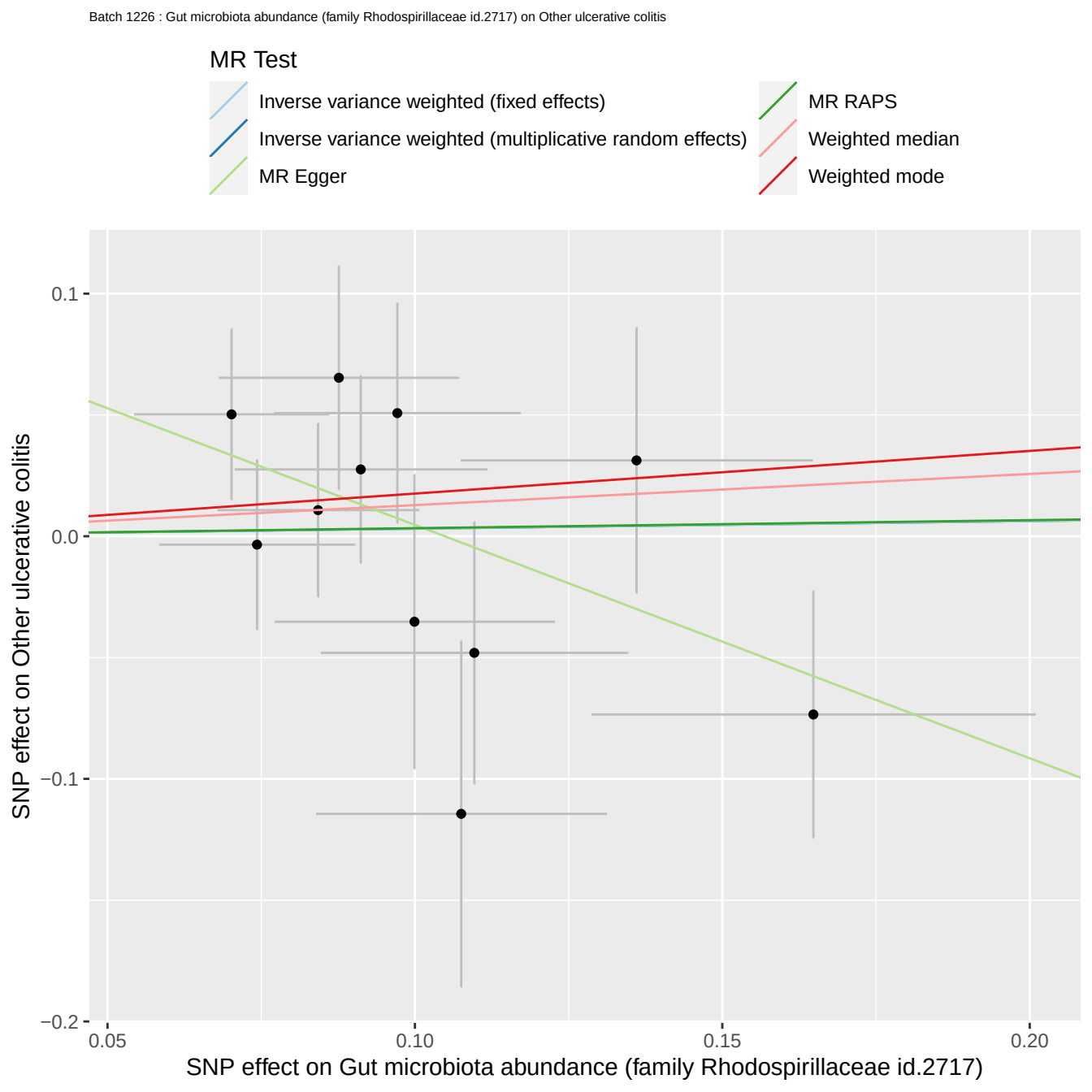

Batch 1221 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

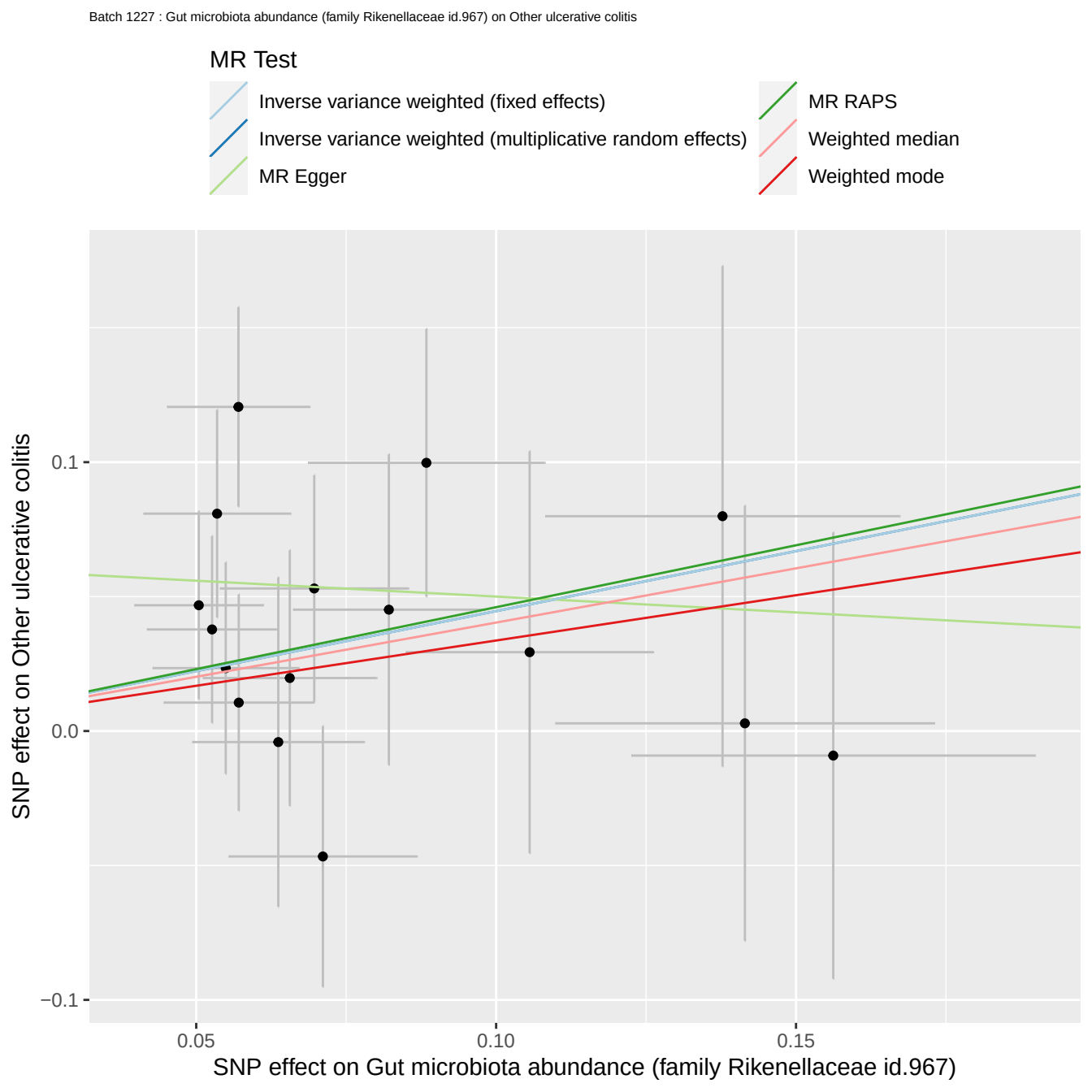

Batch 1222 : Gut microbiota abundance (family Peptococcaceae id.2024) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)

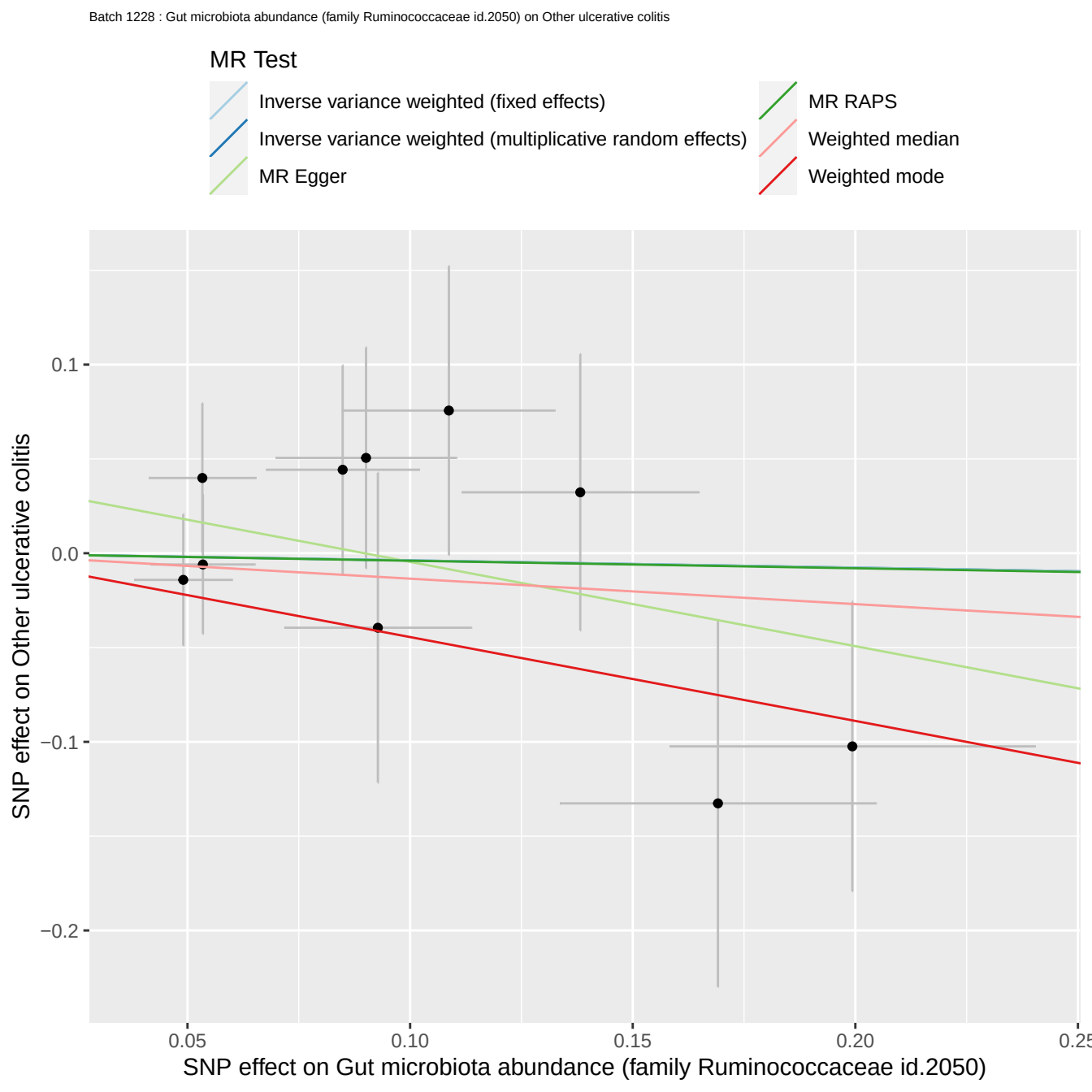

Batch 1223 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

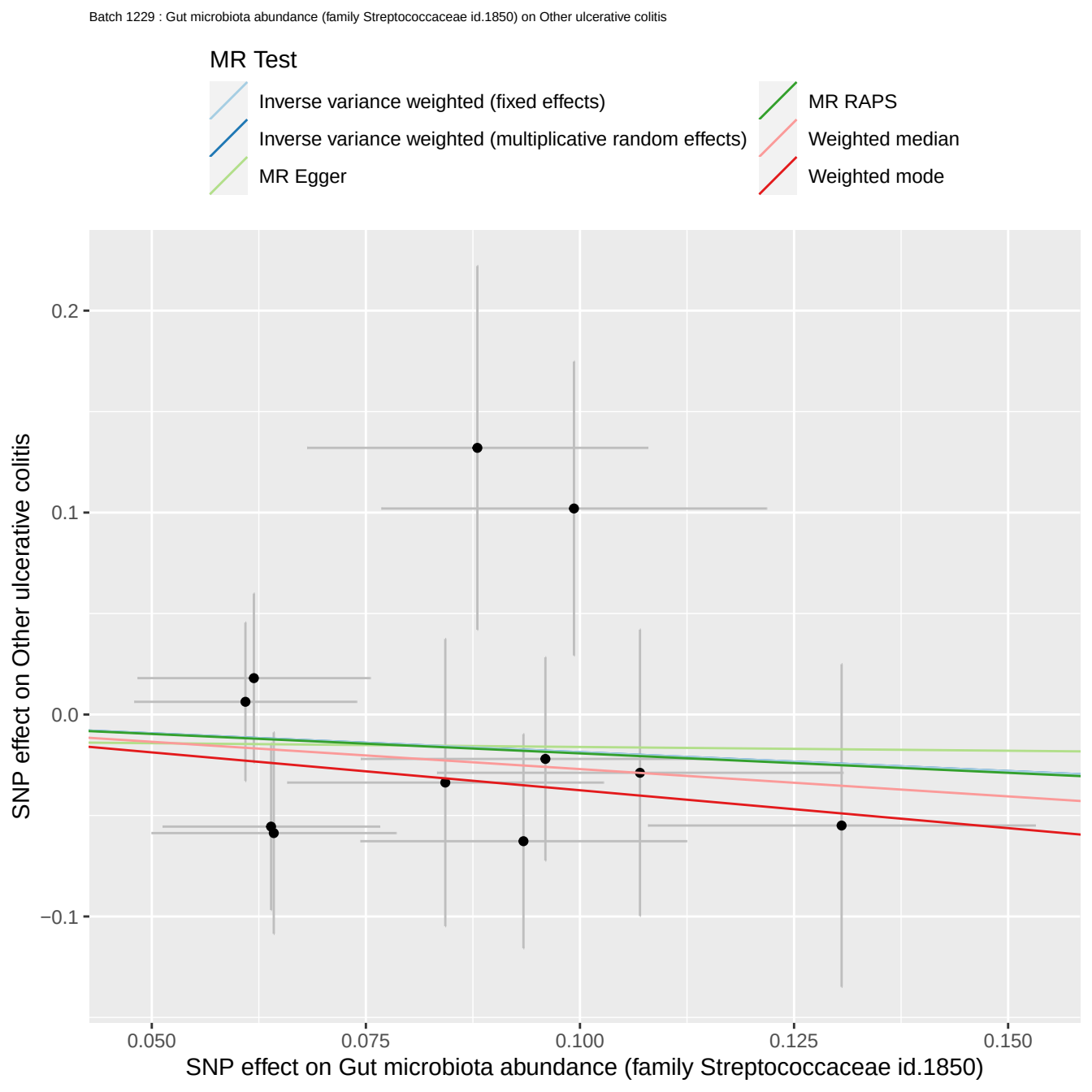

Batch 1224 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Other ulcerative colitis
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

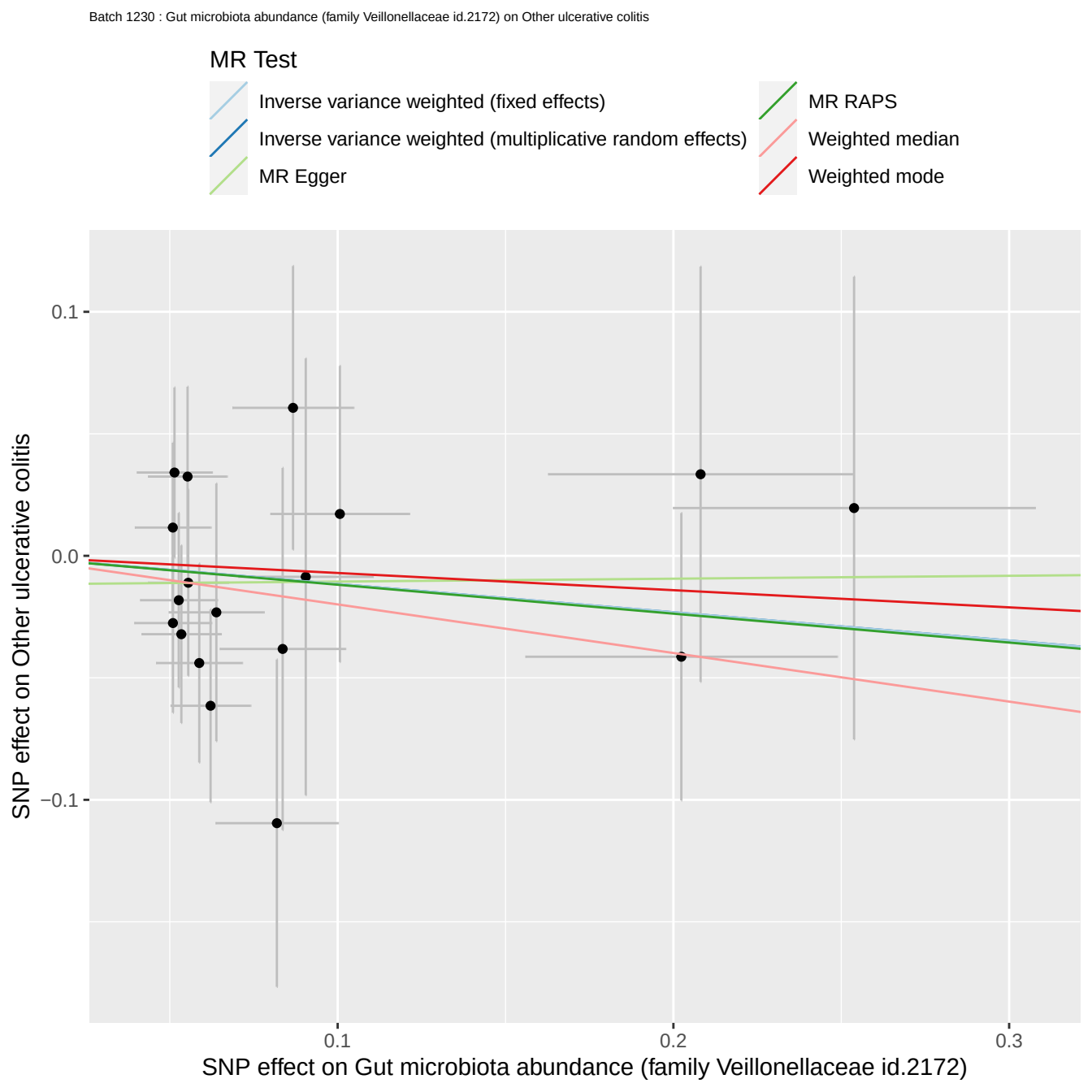

Batch 1225 : Gut microbiota abundance (family Prevotellaceae id.960) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

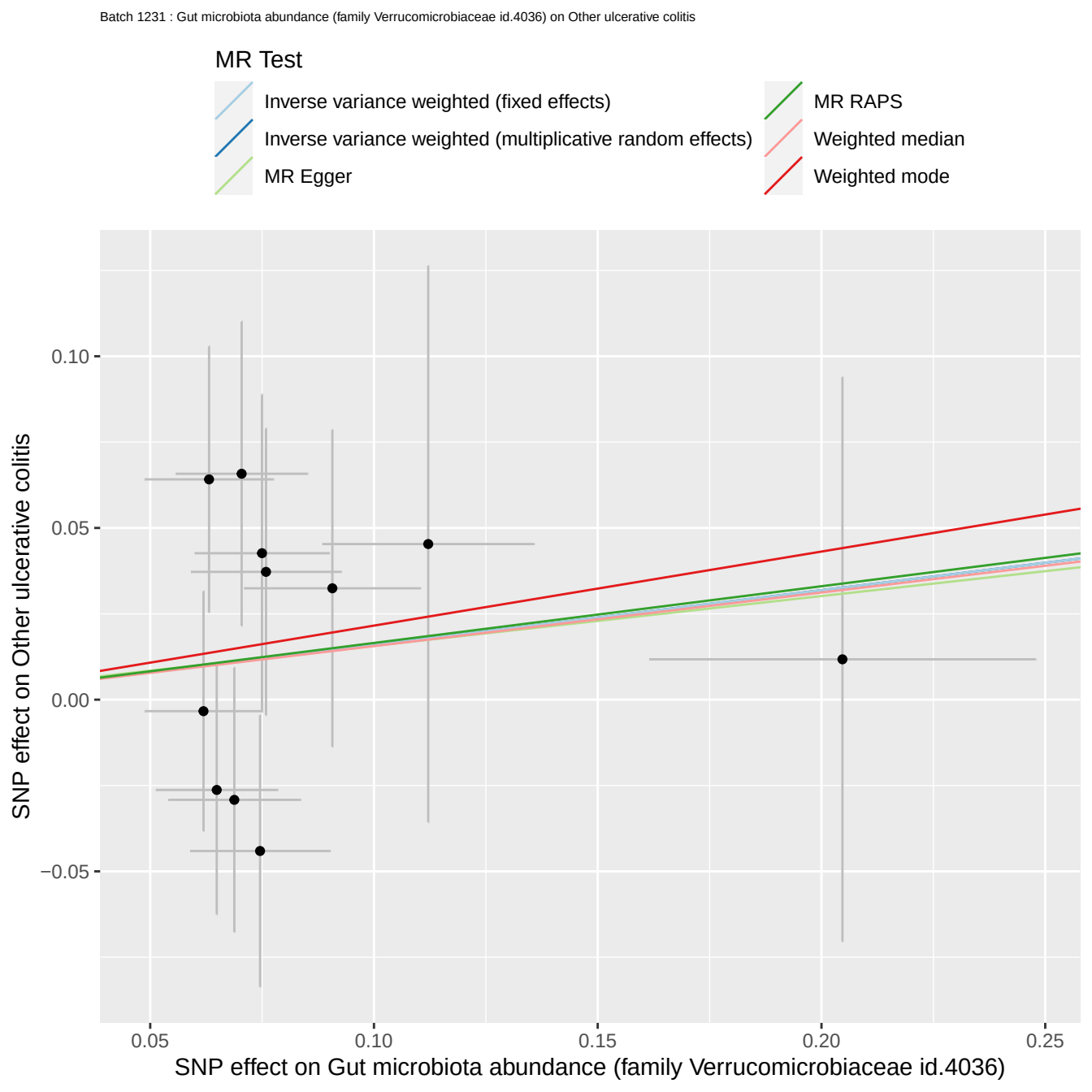

Batch 1226 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)


Batch 1227 : Gut microbiota abundance (family Rikenellaceae id.967) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

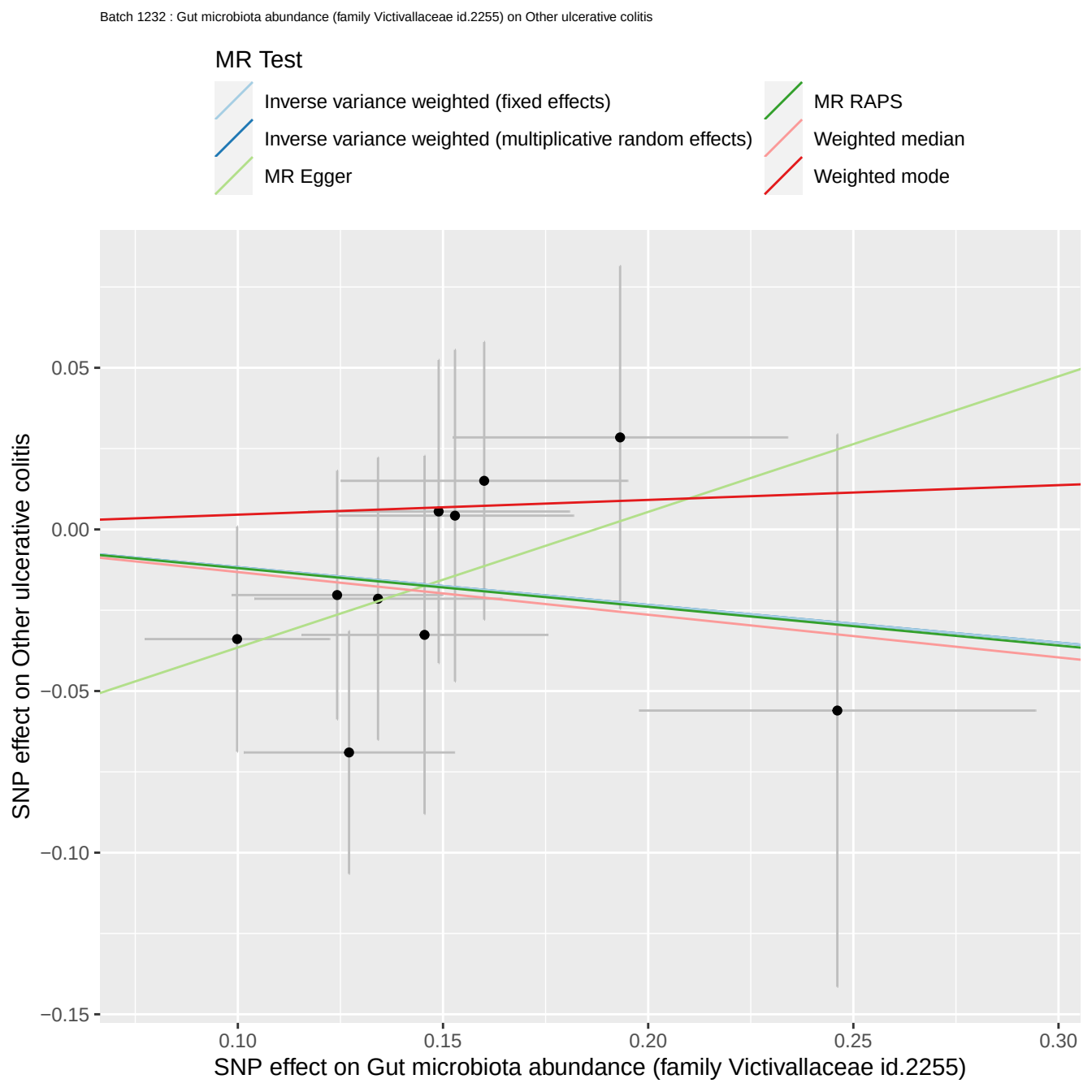

Batch 1228 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

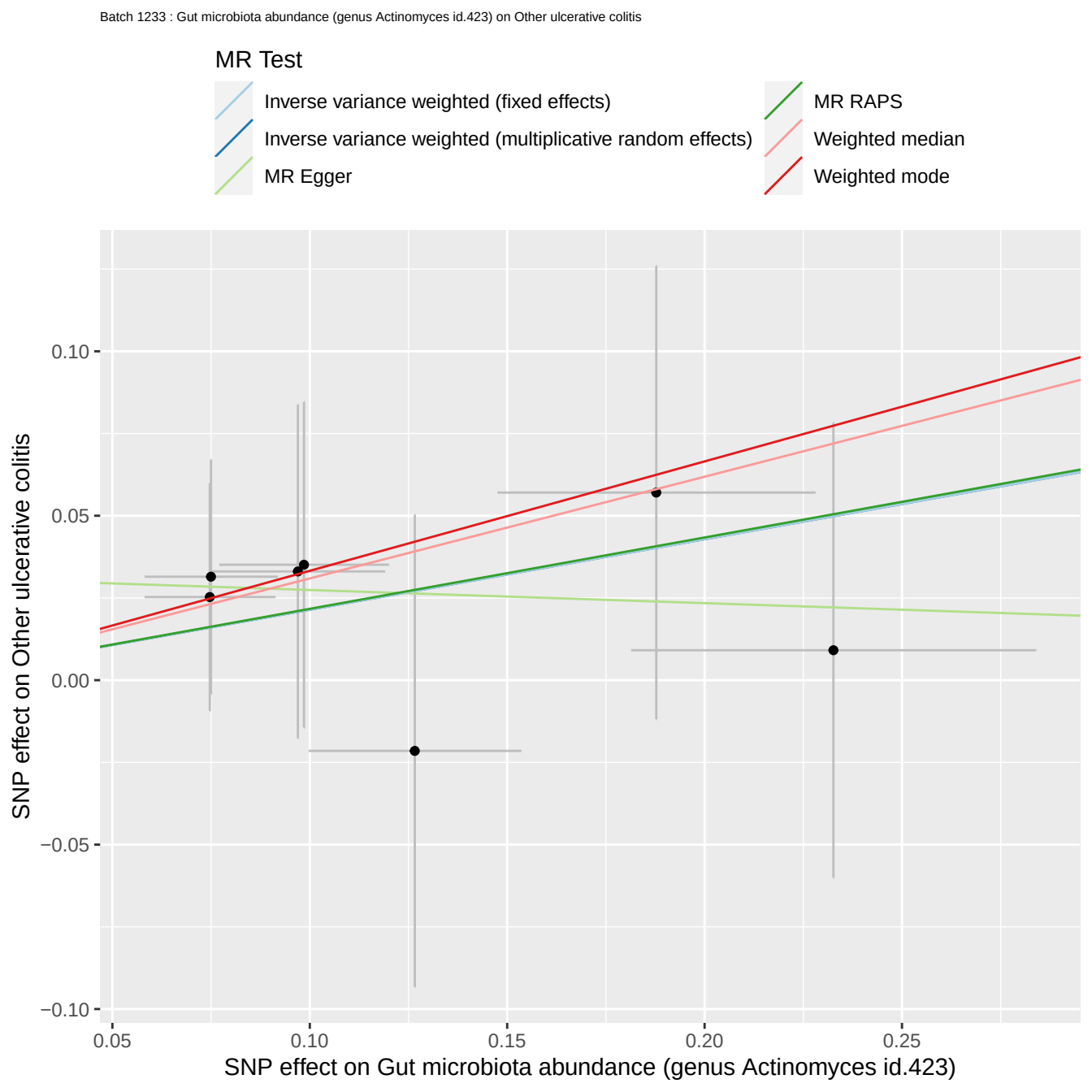

Batch 1229 : Gut microbiota abundance (family Streptococcaceae id.1850) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

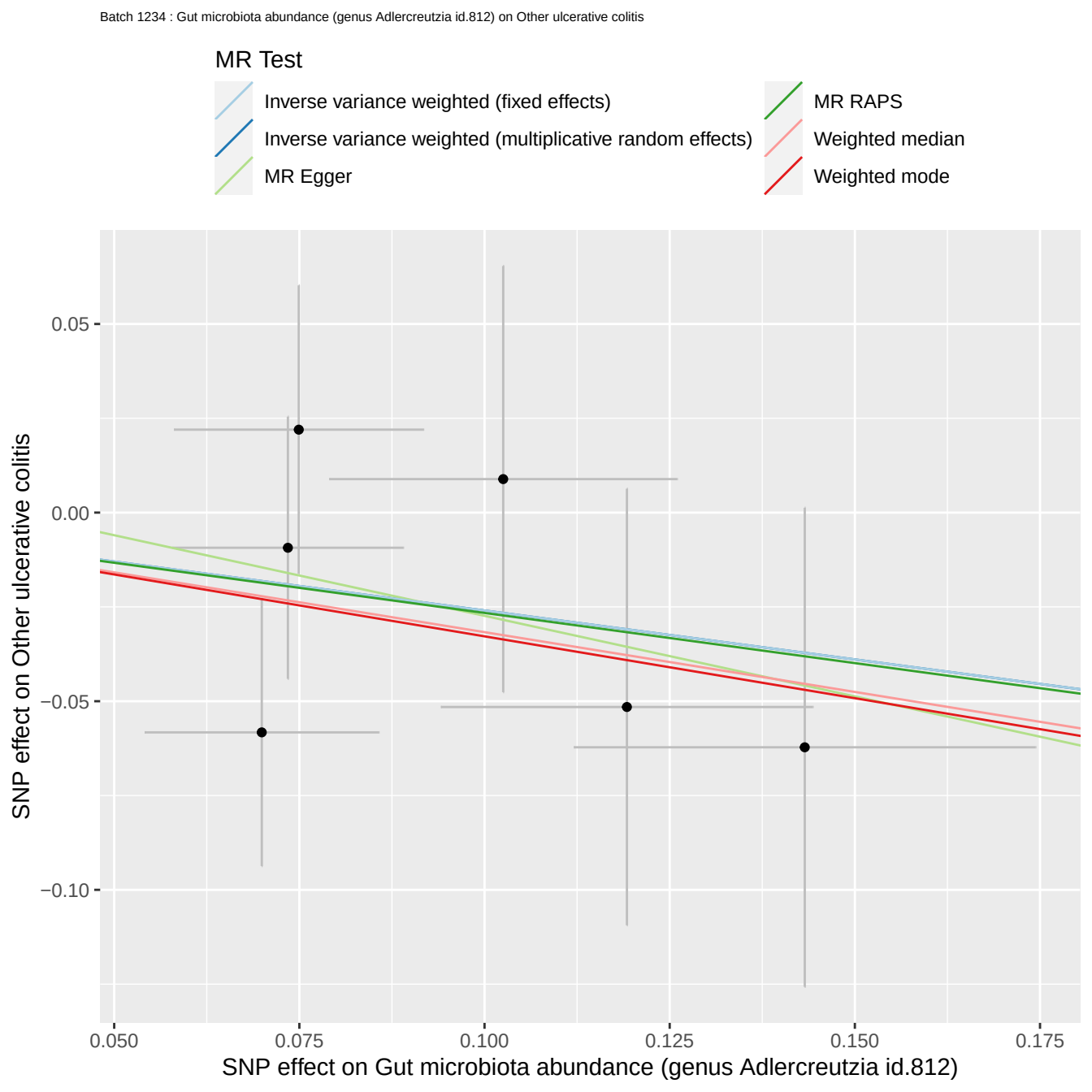

Batch 1230 : Gut microbiota abundance (family Veillonellaceae id.2172) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

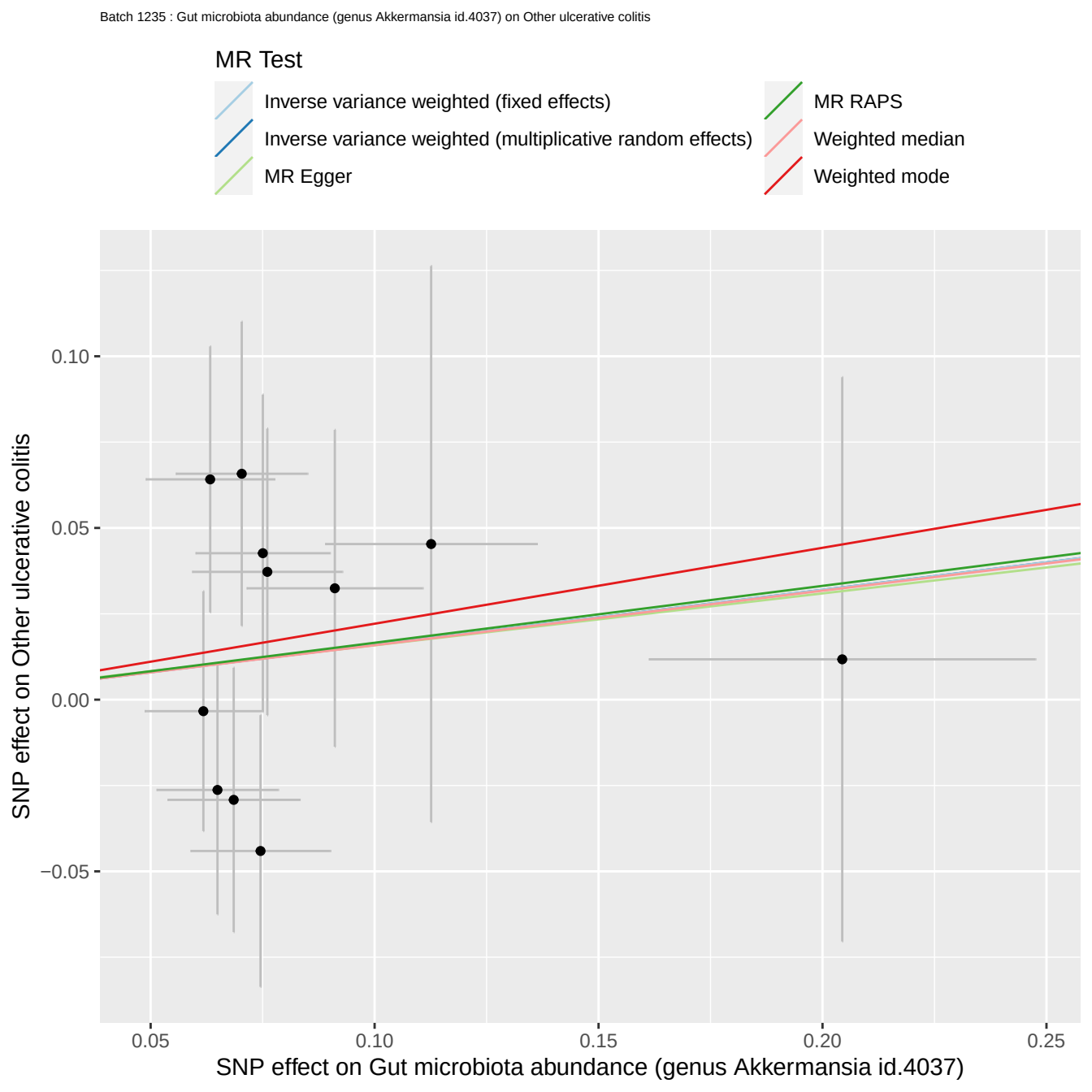

Batch 1231 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

Batch 1232 : Gut microbiota abundance (family Victivallaceae id.2255) on Other ulcerative colitis

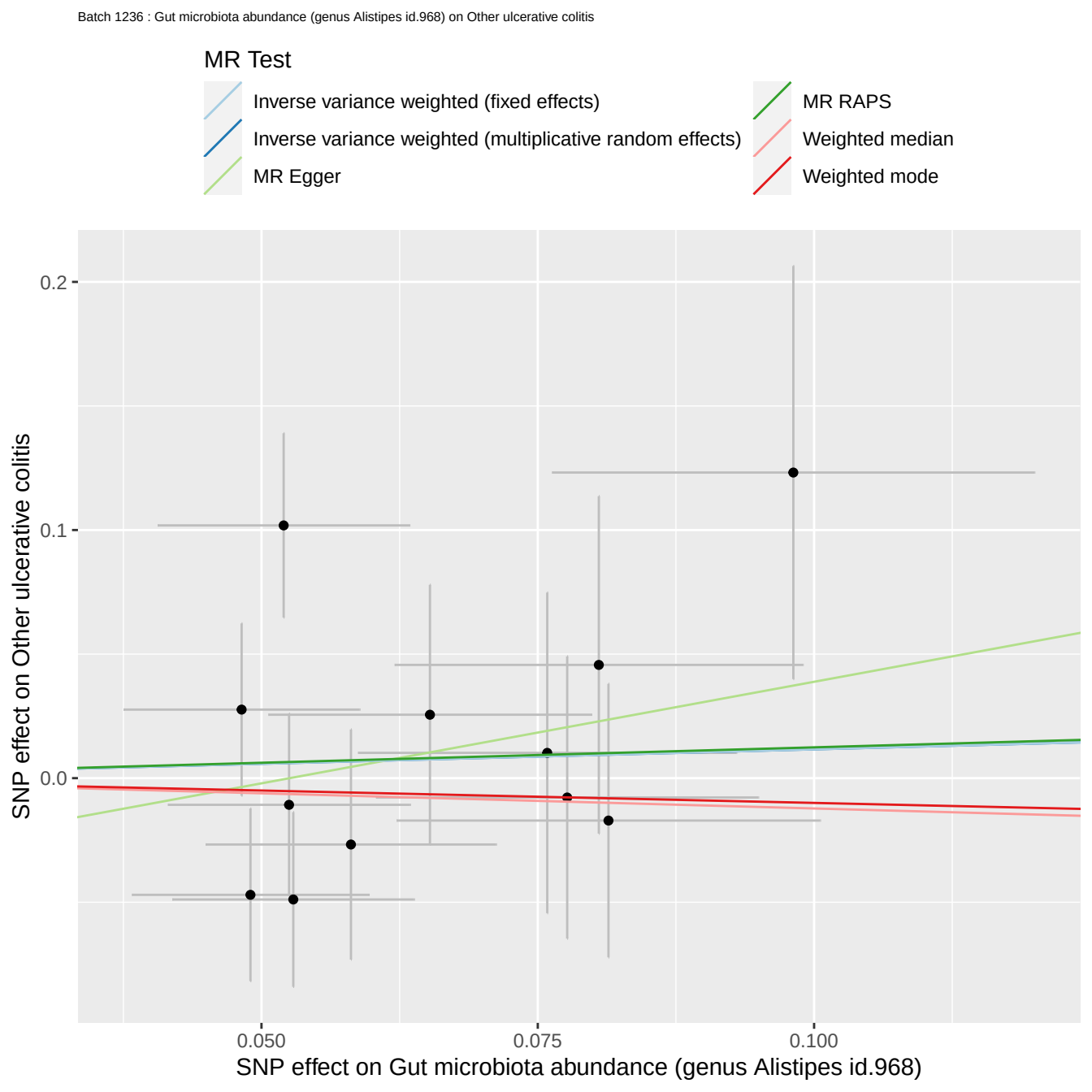


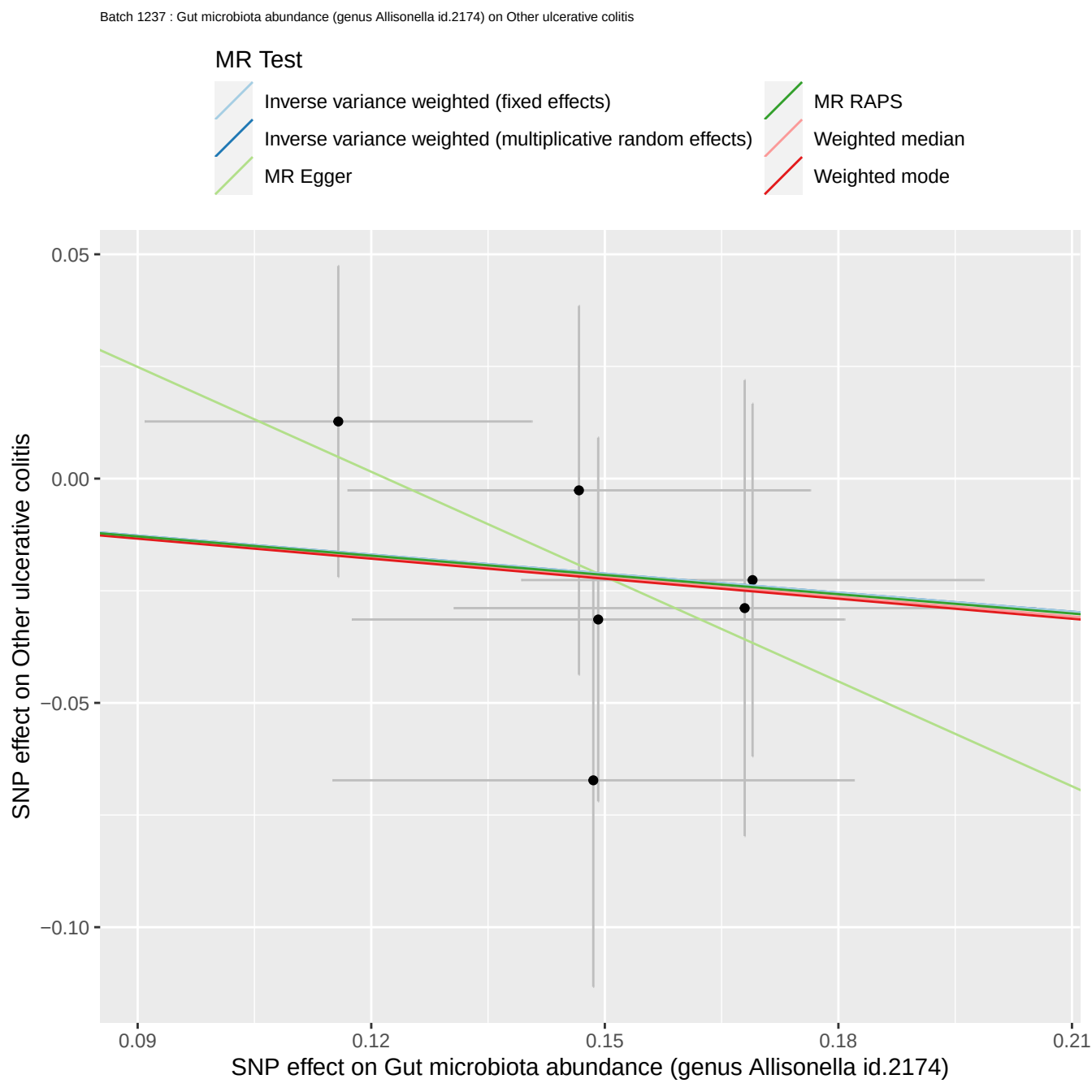

Batch 1233 : Gut microbiota abundance (genus Actinomyces id.423) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)


Batch 1234 : Gut microbiota abundance (genus Adlercreutzia id.812) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

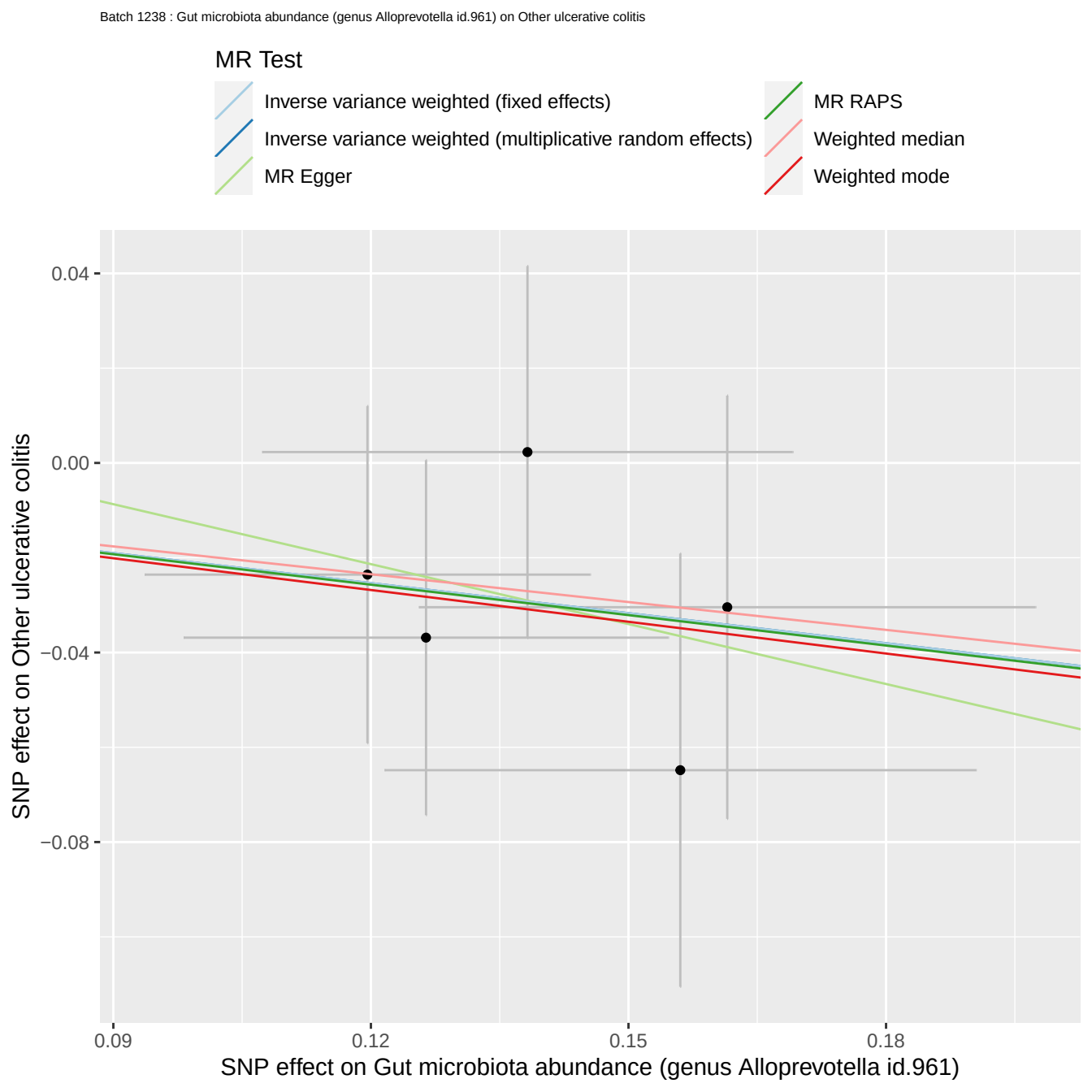

Batch 1235 : Gut microbiota abundance (genus Akkermansia id.4037) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

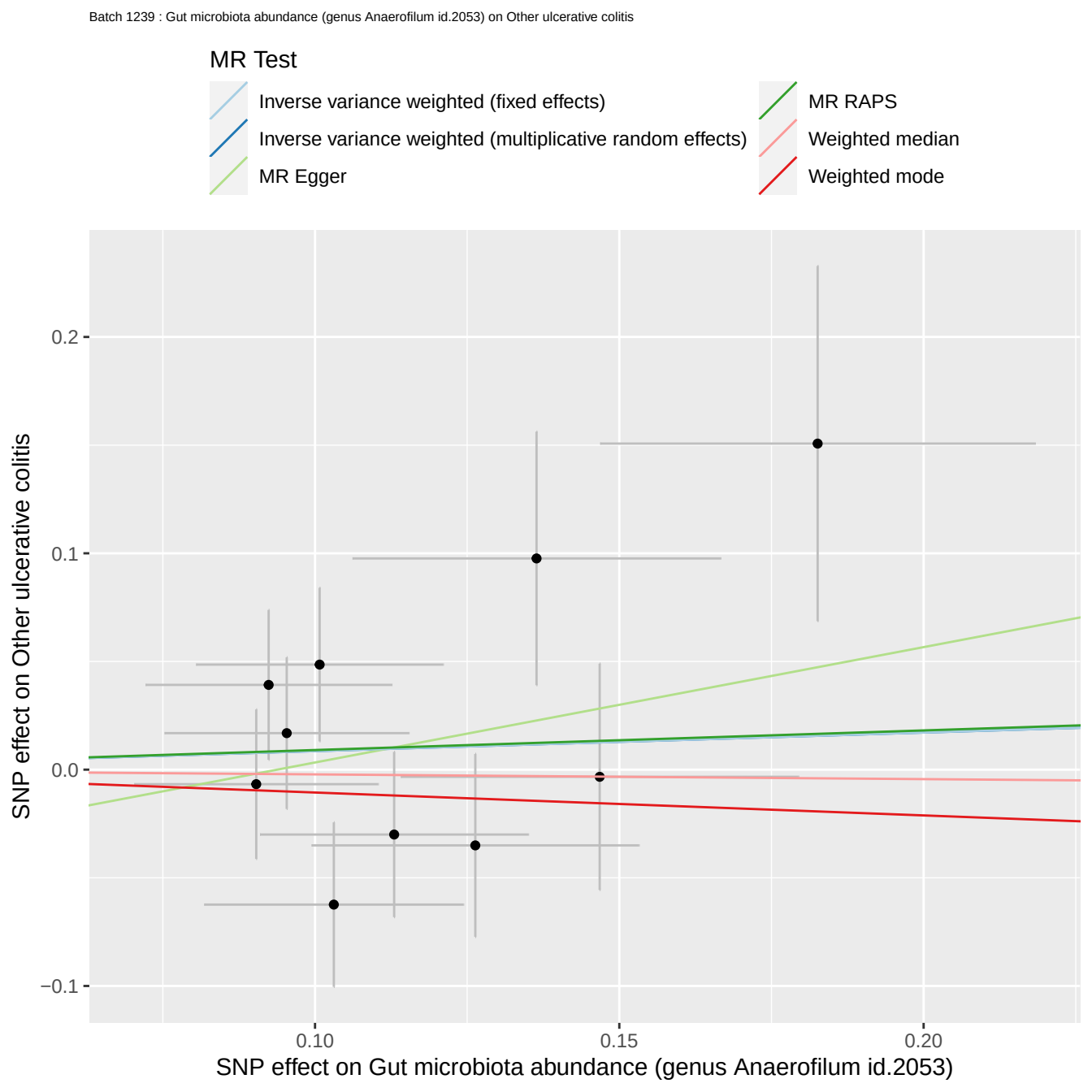
Batch 1236 : Gut microbiota abundance (genus Alistipes id.968) on Other ulcerative colitis

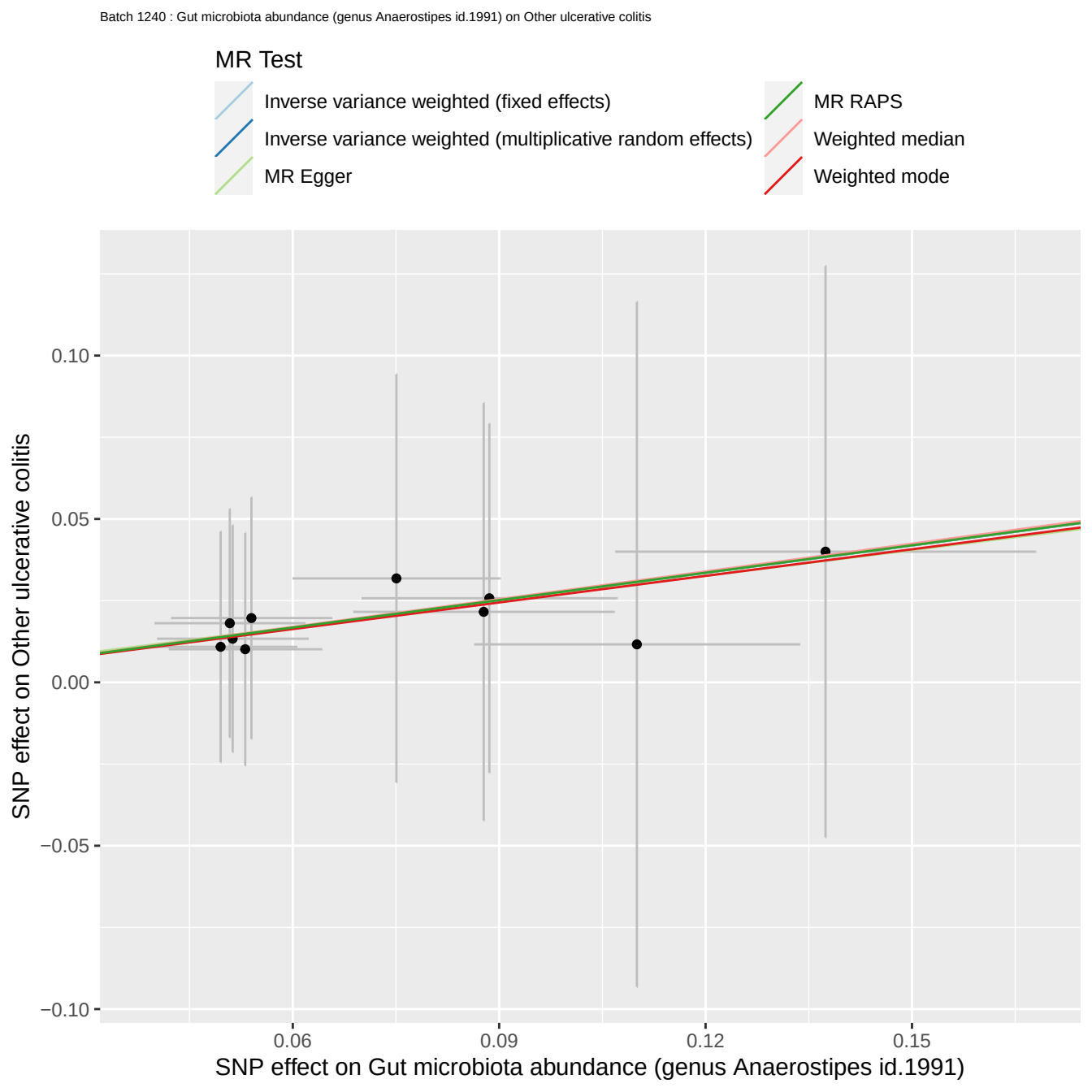


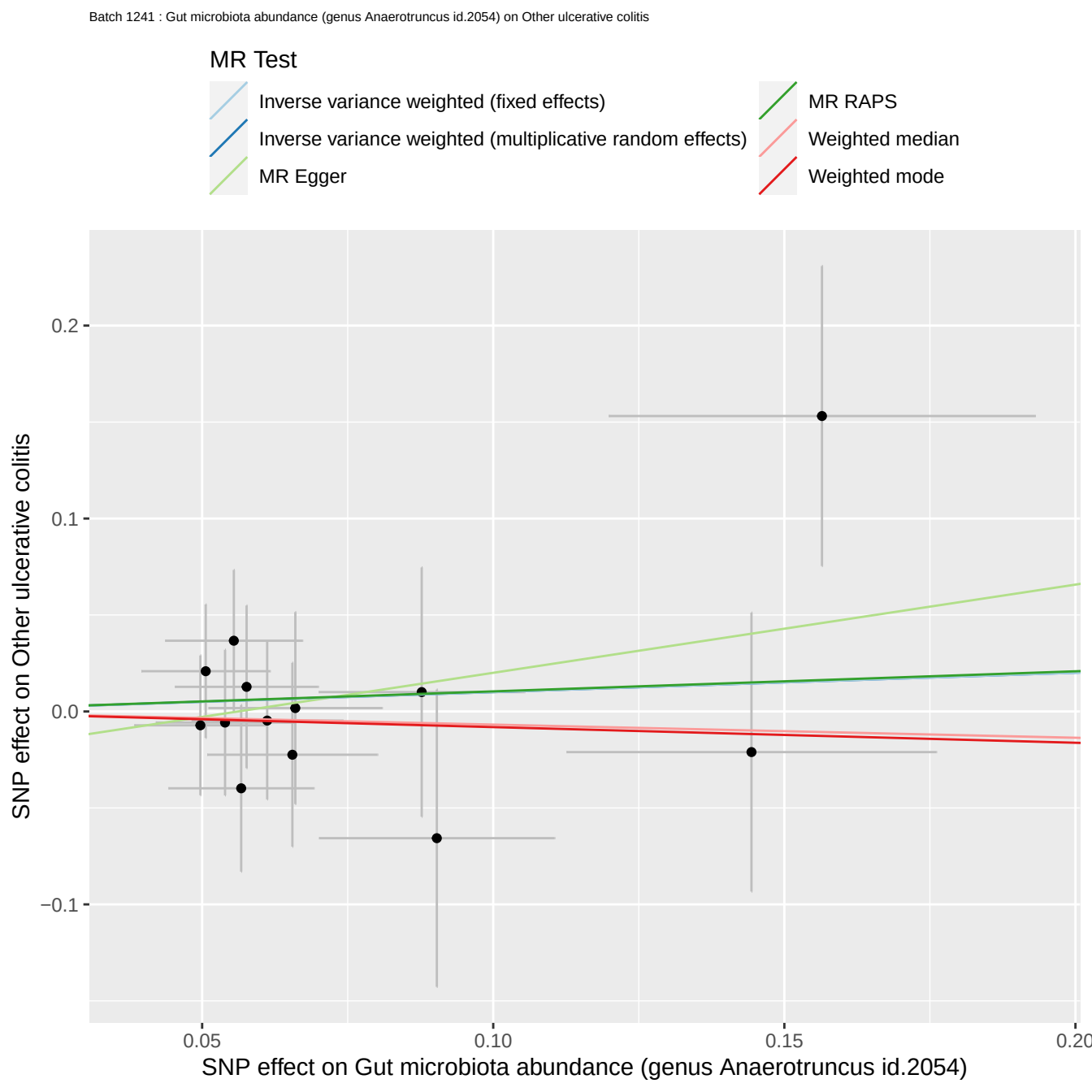

Batch 1237 : Gut microbiota abundance (genus Allisonella id.2174) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

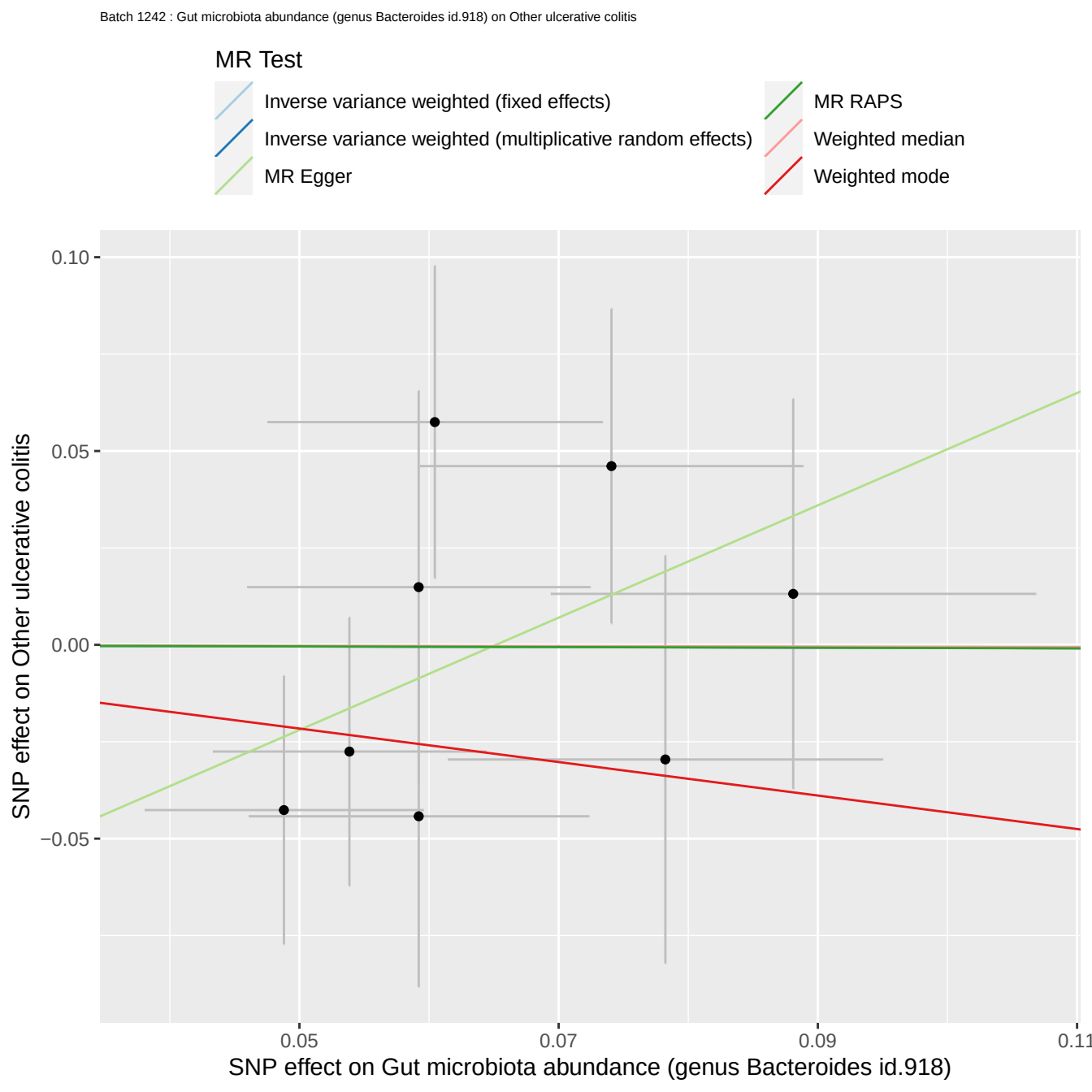
Batch 1238 : Gut microbiota abundance (genus Alloprevotella id.961) on Other ulcerative colitis

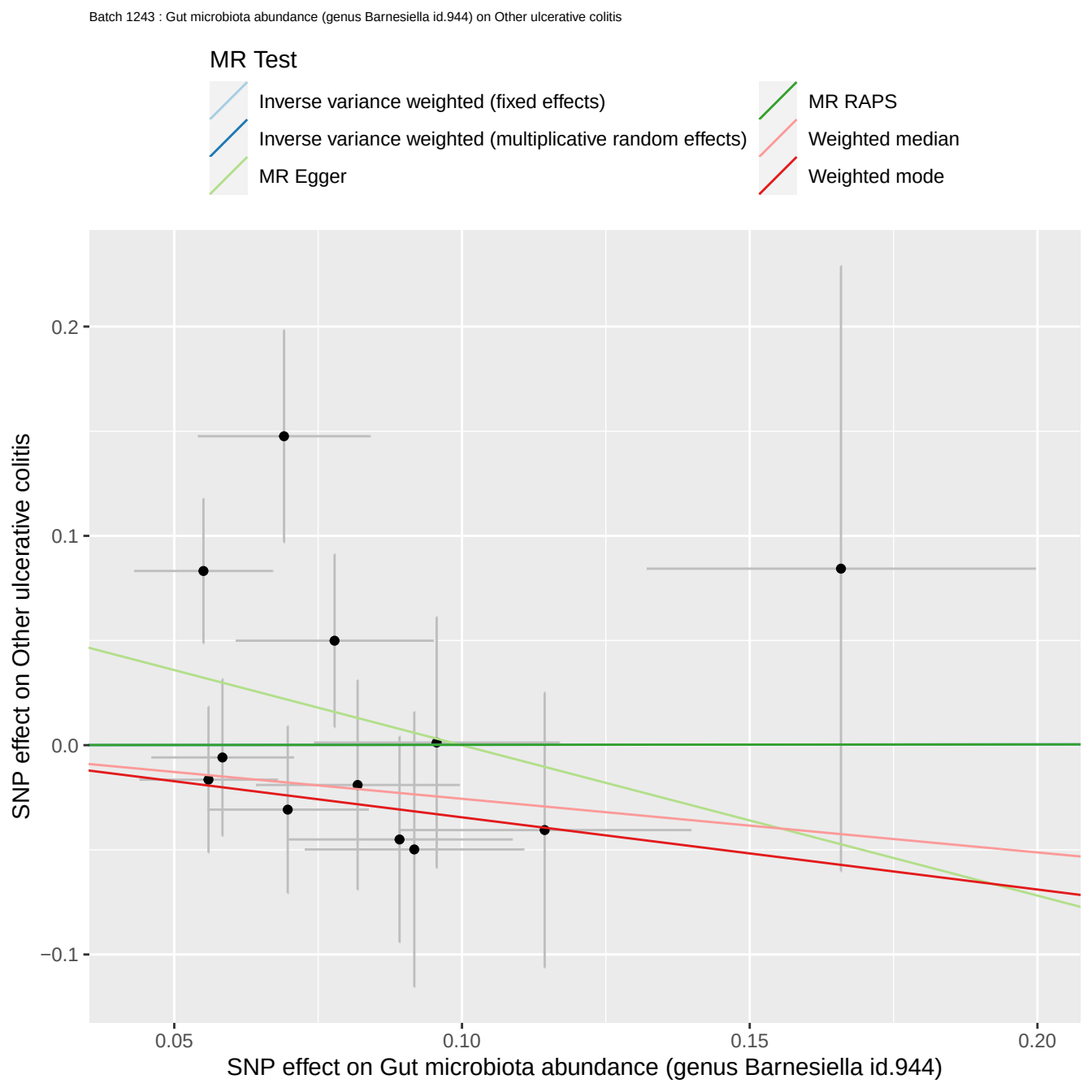



Batch 1239 : Gut microbiota abundance (genus Anaerofilum id.2053) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

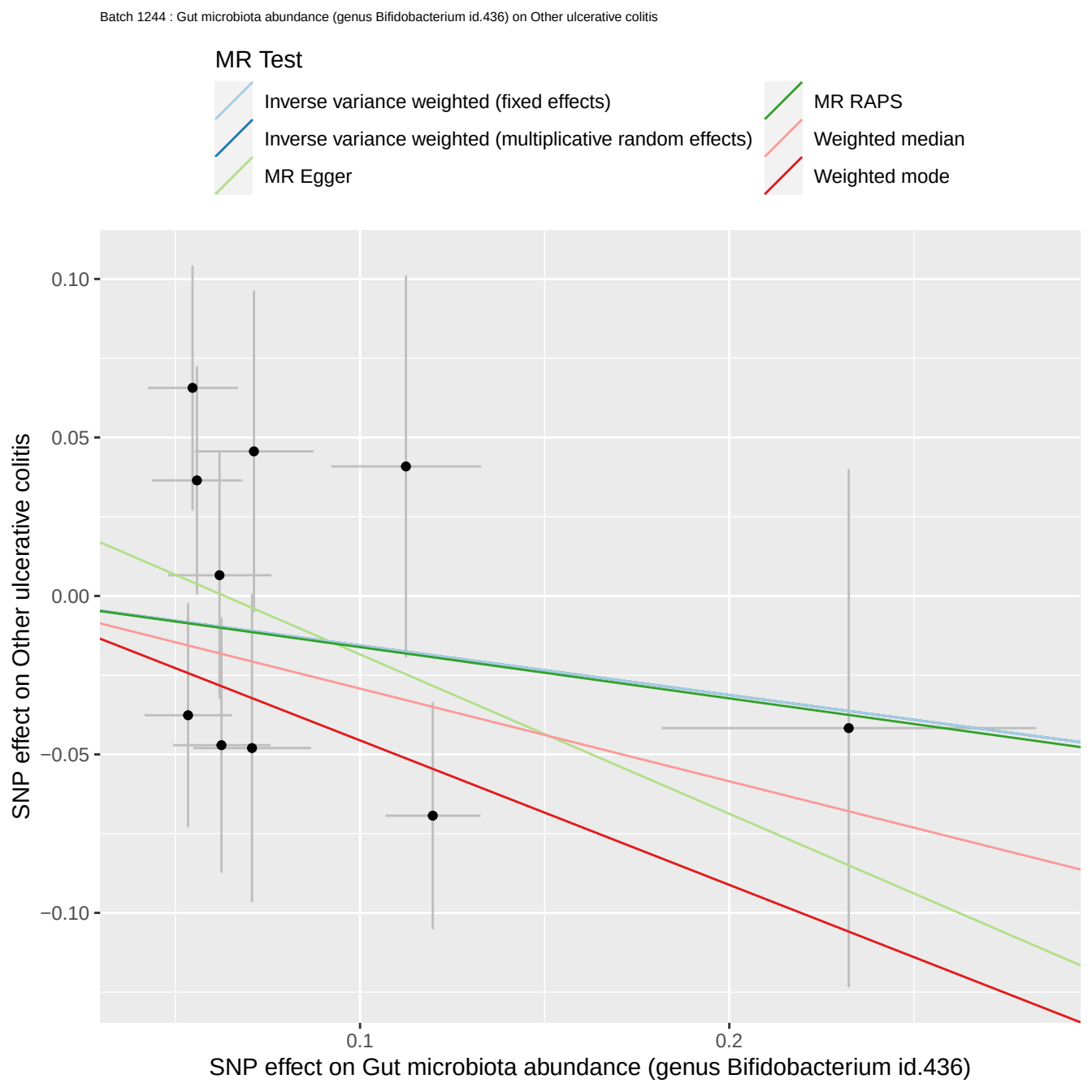

Batch 1240 : Gut microbiota abundance (genus Anaerostipes id.1991) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)

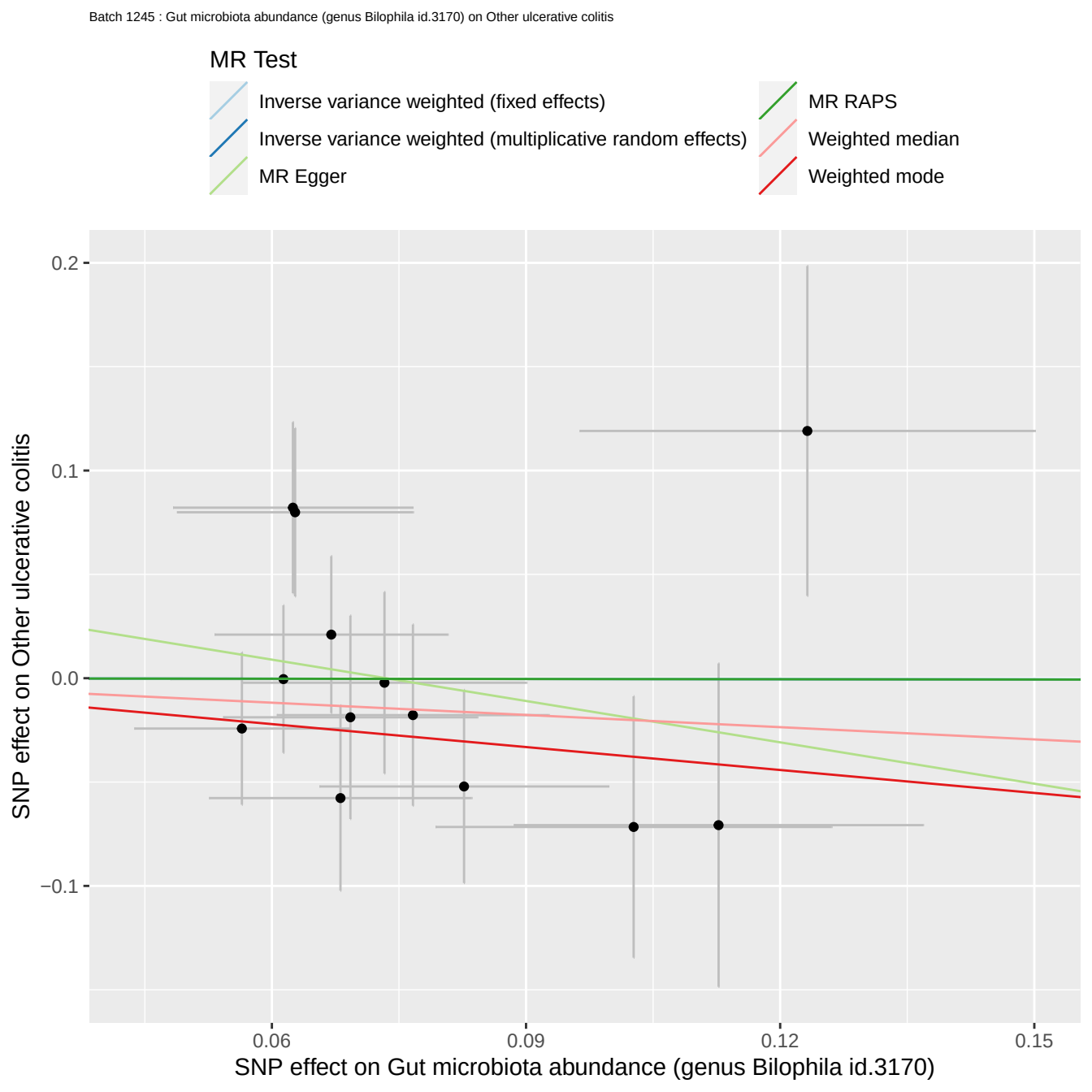

Batch 1241 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)


Batch 1242 : Gut microbiota abundance (genus Bacteroides id.918) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

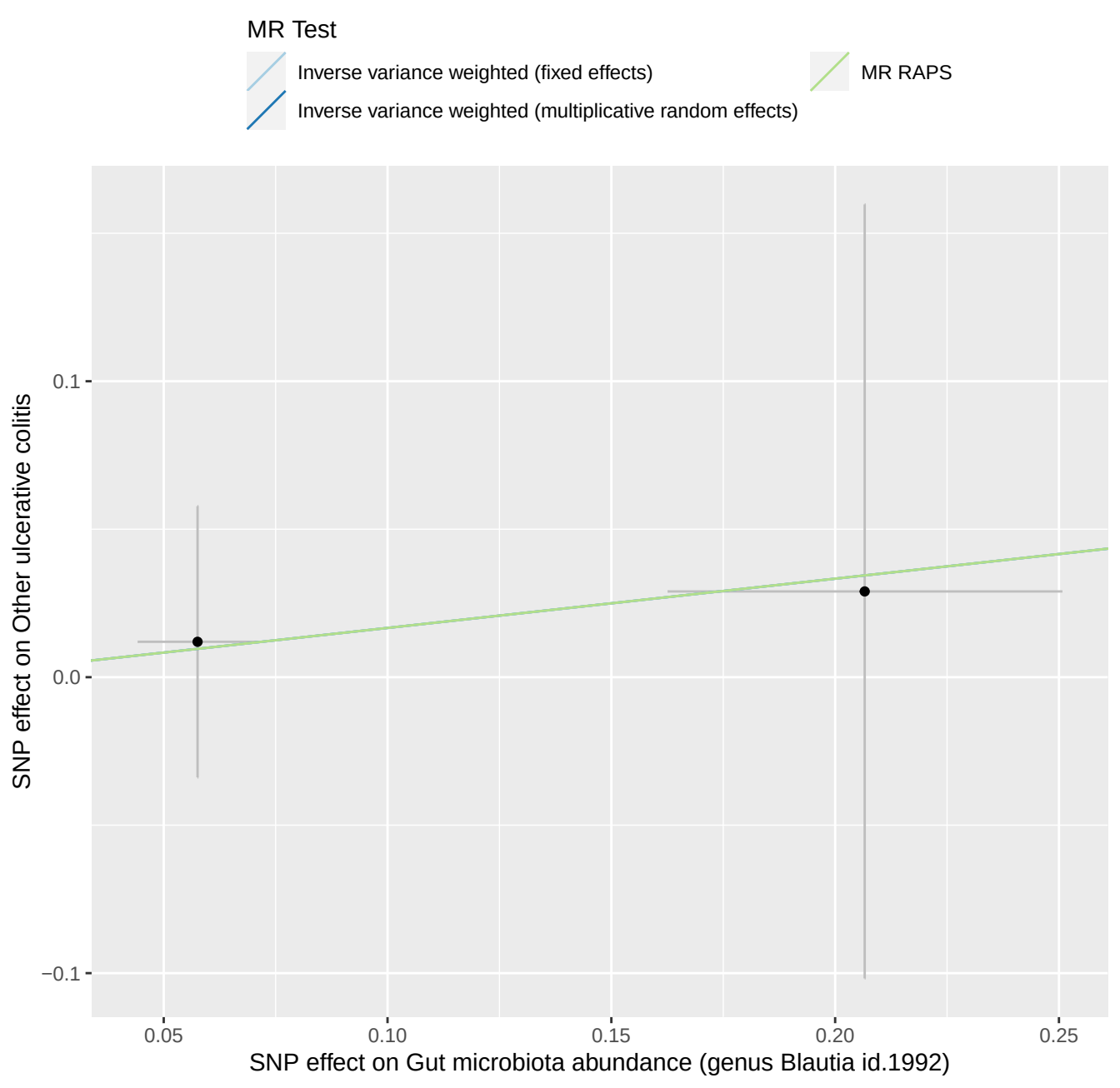

Batch 1243 : Gut microbiota abundance (genus Barnesiella id.944) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

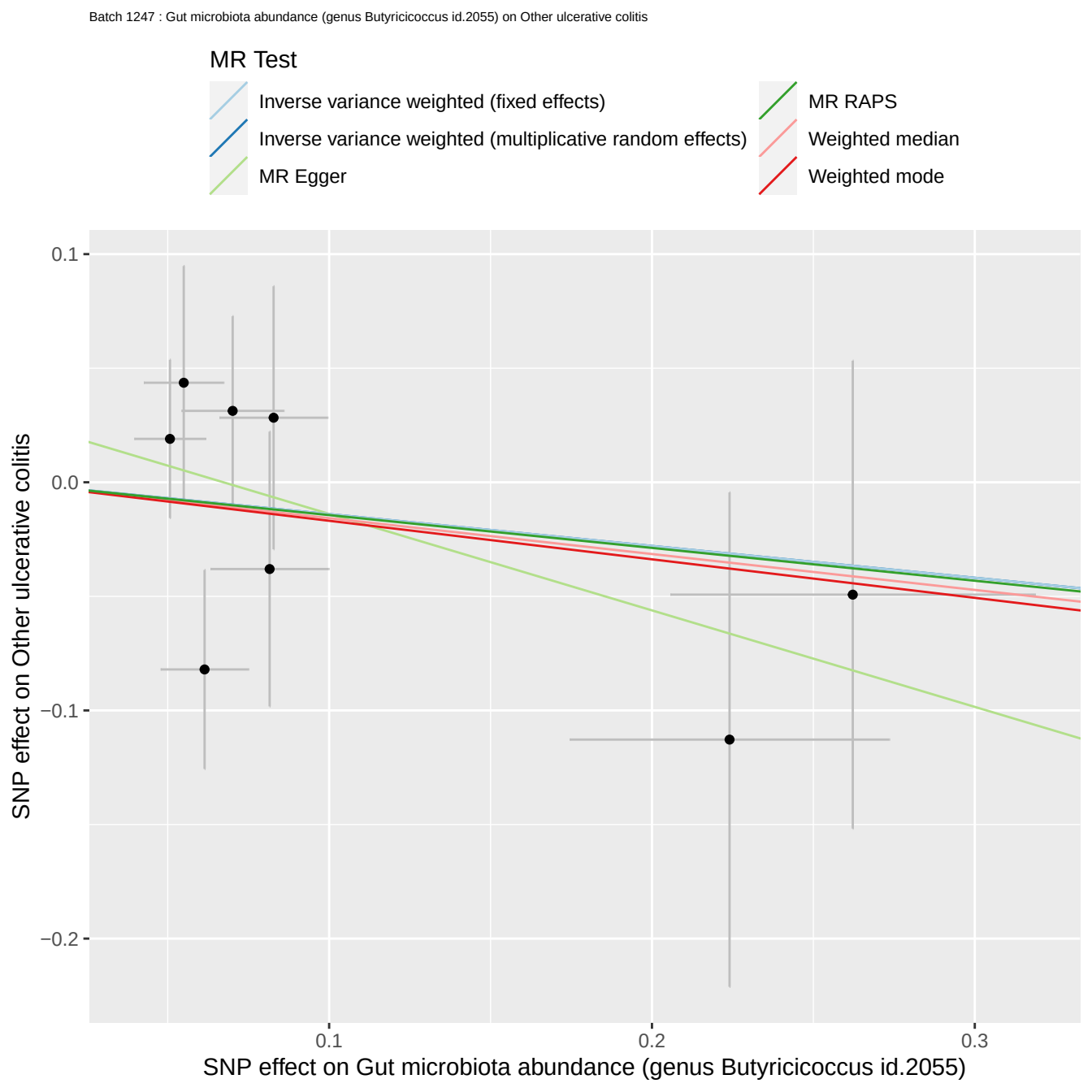
Batch 1244 : Gut microbiota abundance (genus Bifidobacterium id.436) on Other ulcerative colitis

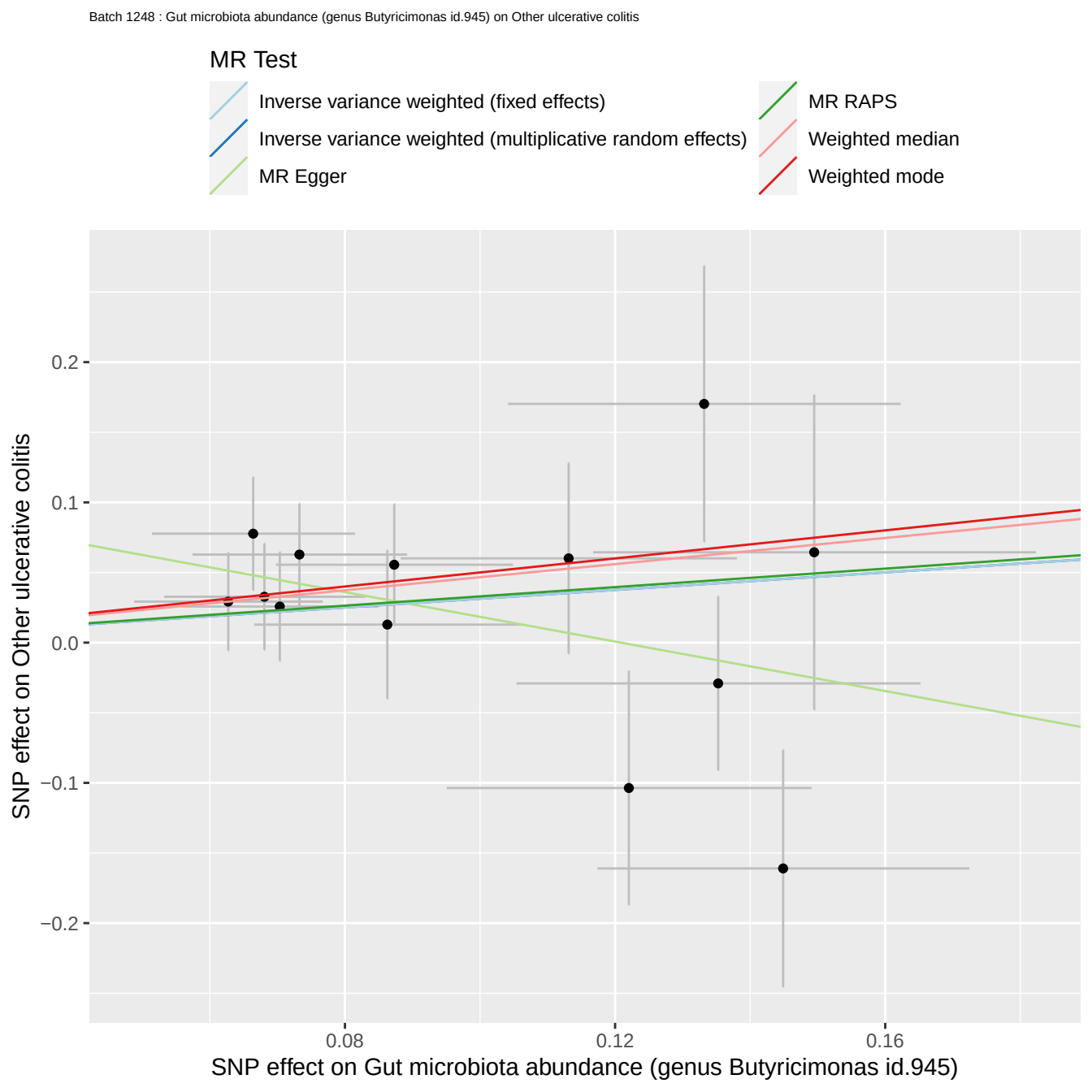


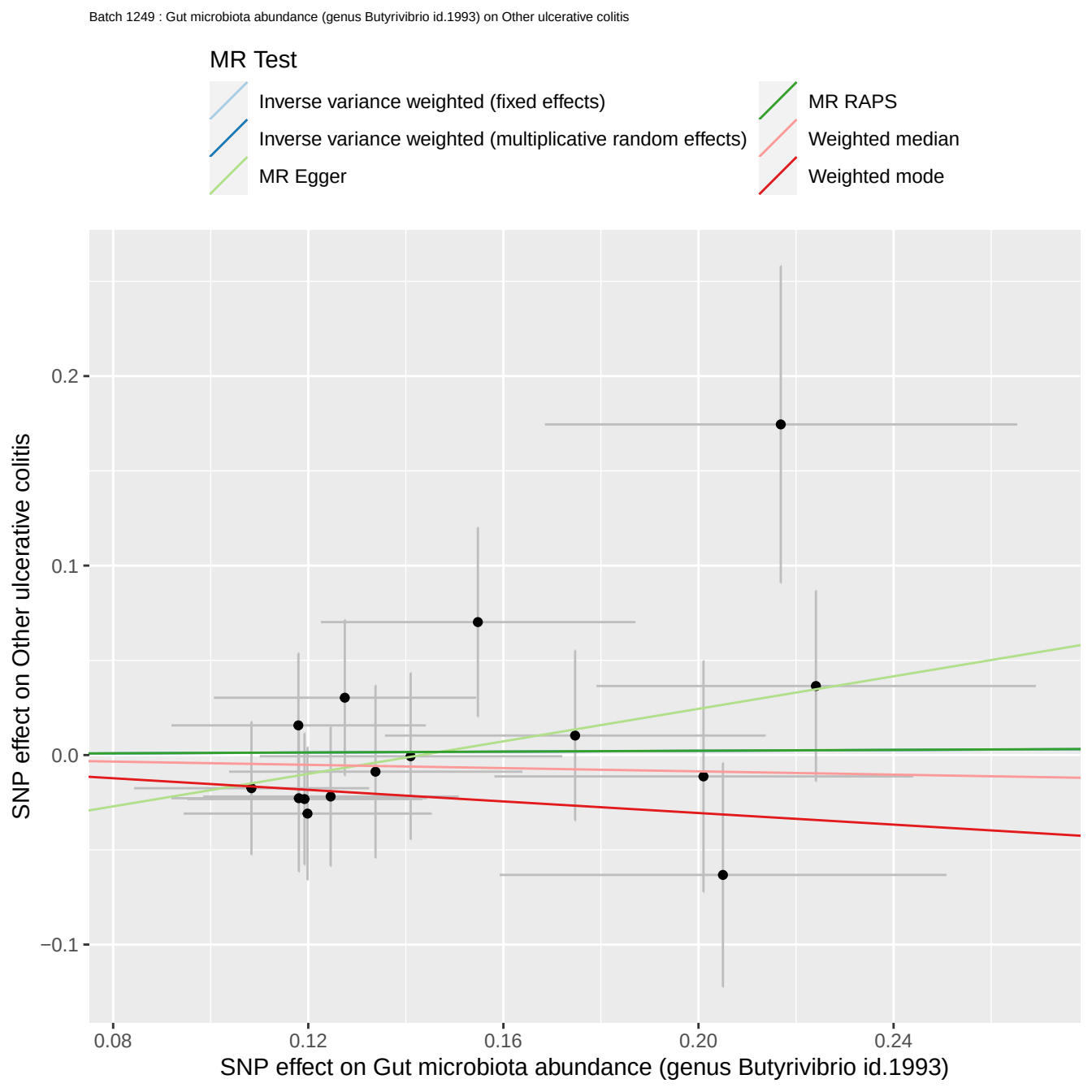

Batch 1245 : Gut microbiota abundance (genus Bilophila id.3170) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

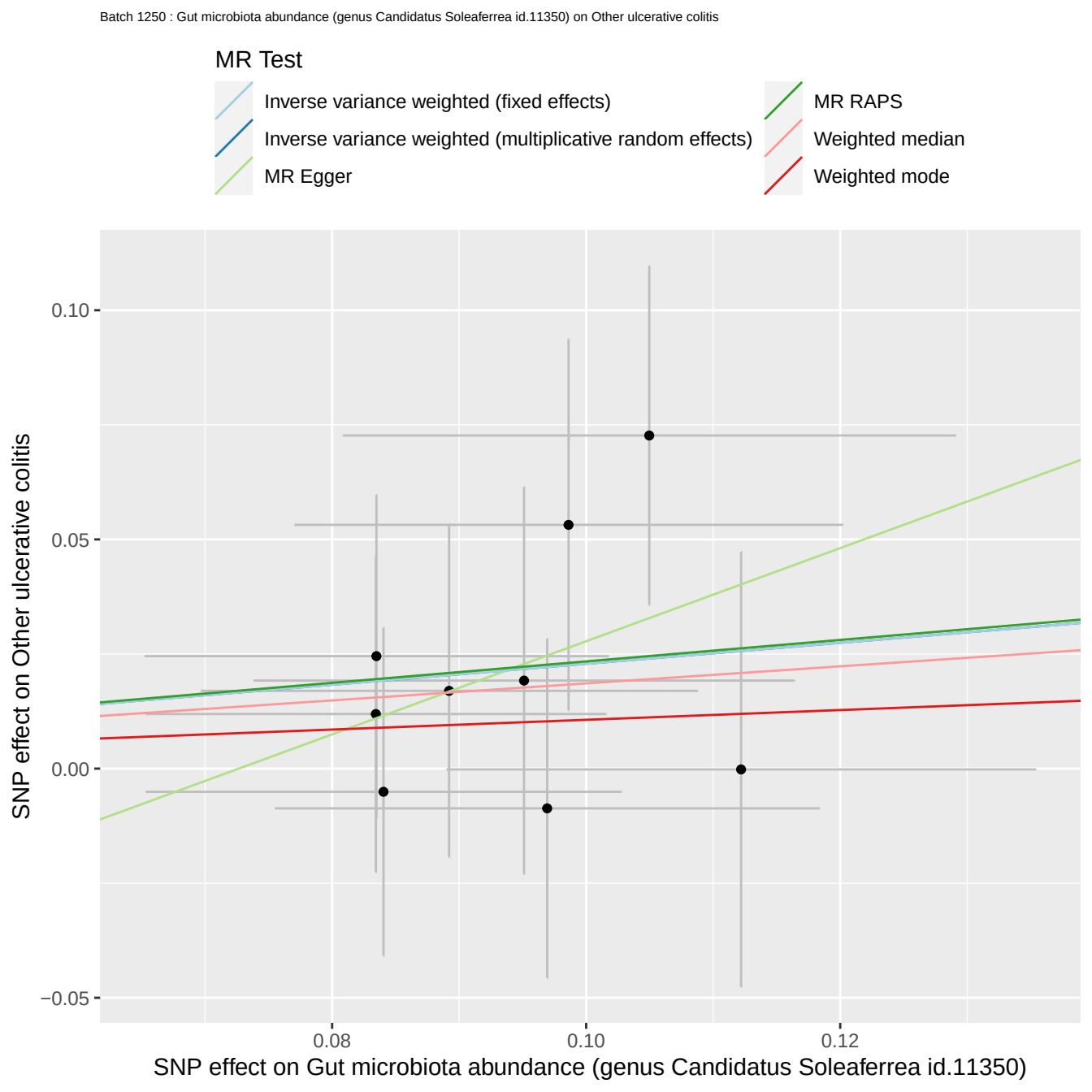
Batch 1246 : Gut microbiota abundance (genus Blautia id.1992) on Other ulcerative colitis



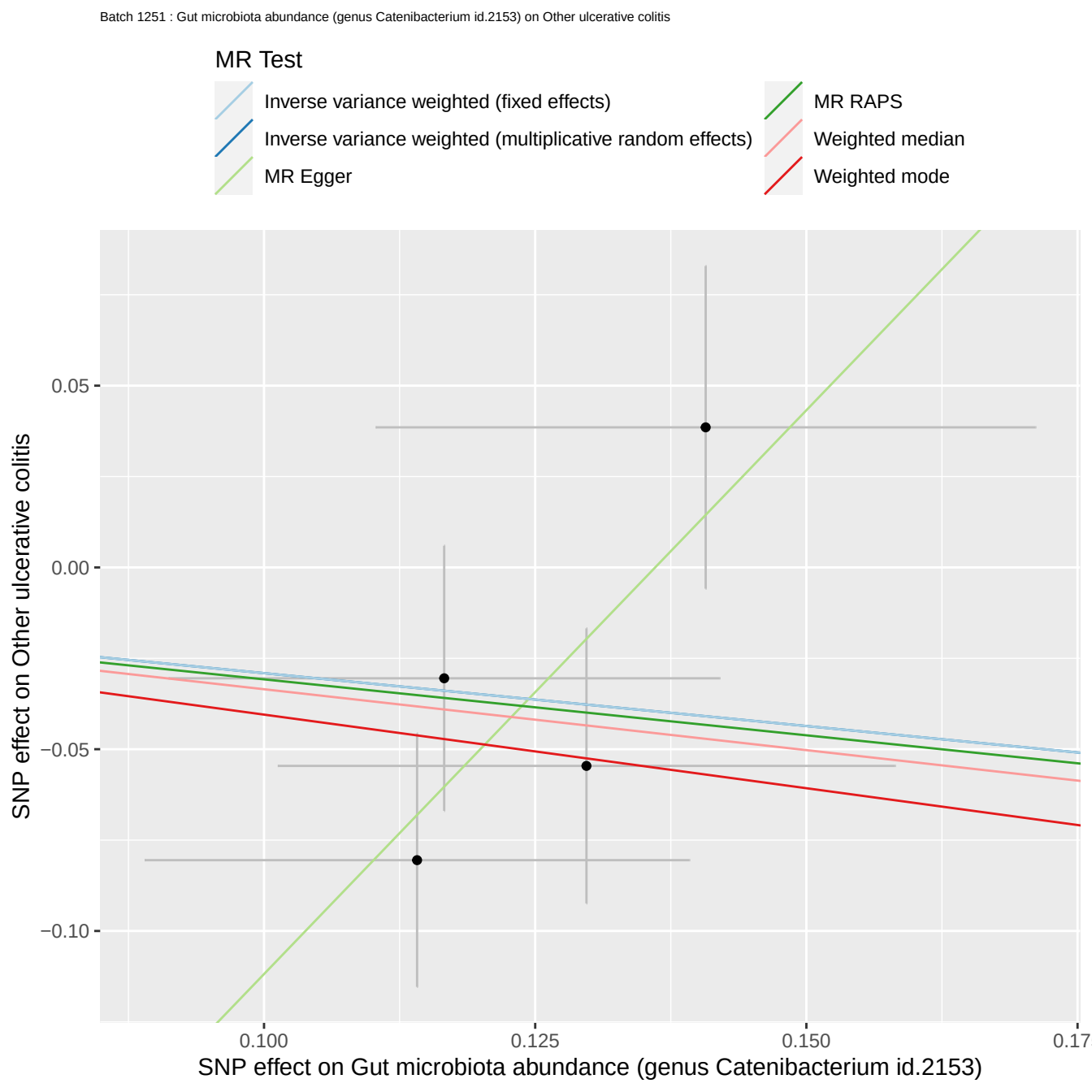

Batch 1247 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)


Batch 1248 : Gut microbiota abundance (genus Butyricimonas id.945) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

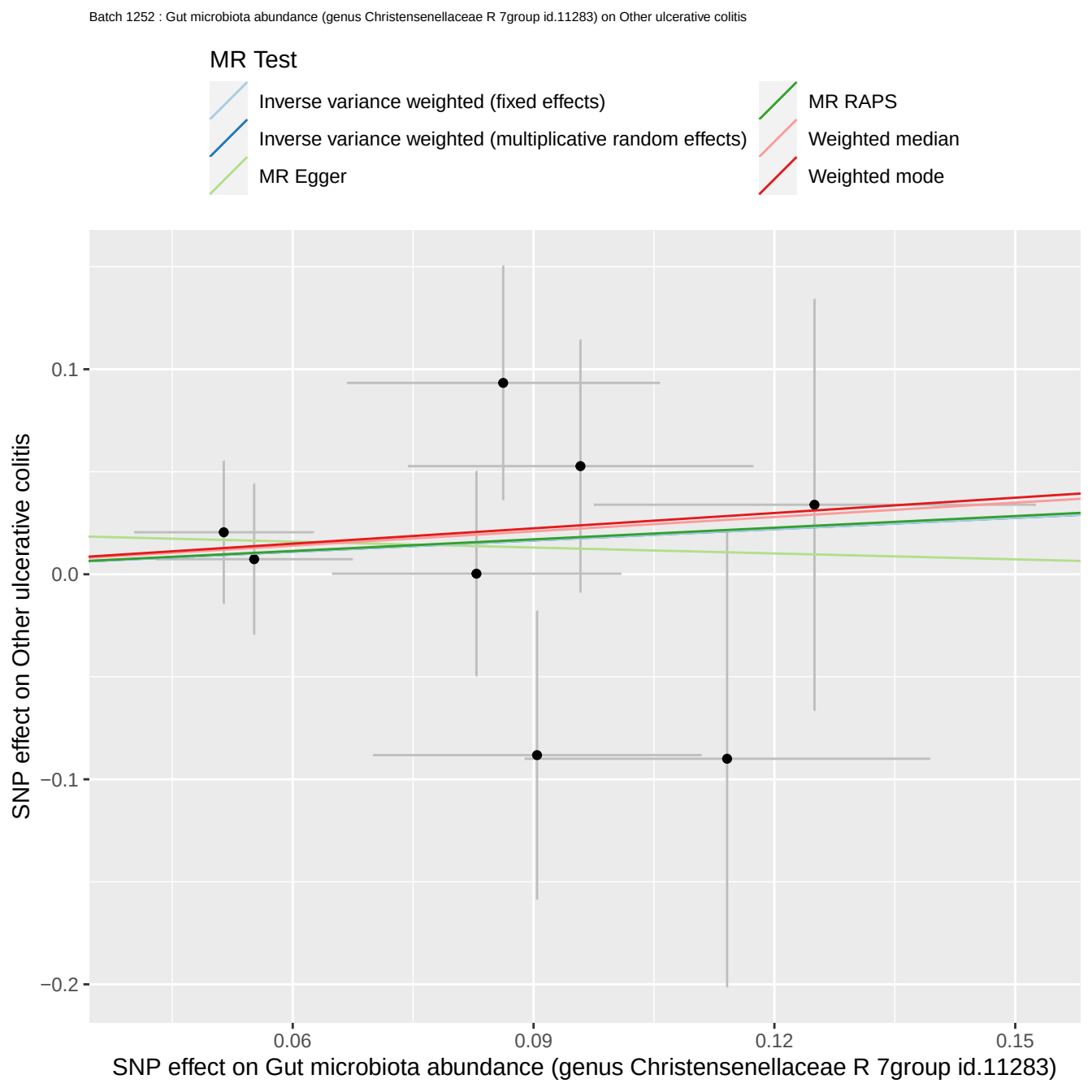

Batch 1249 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

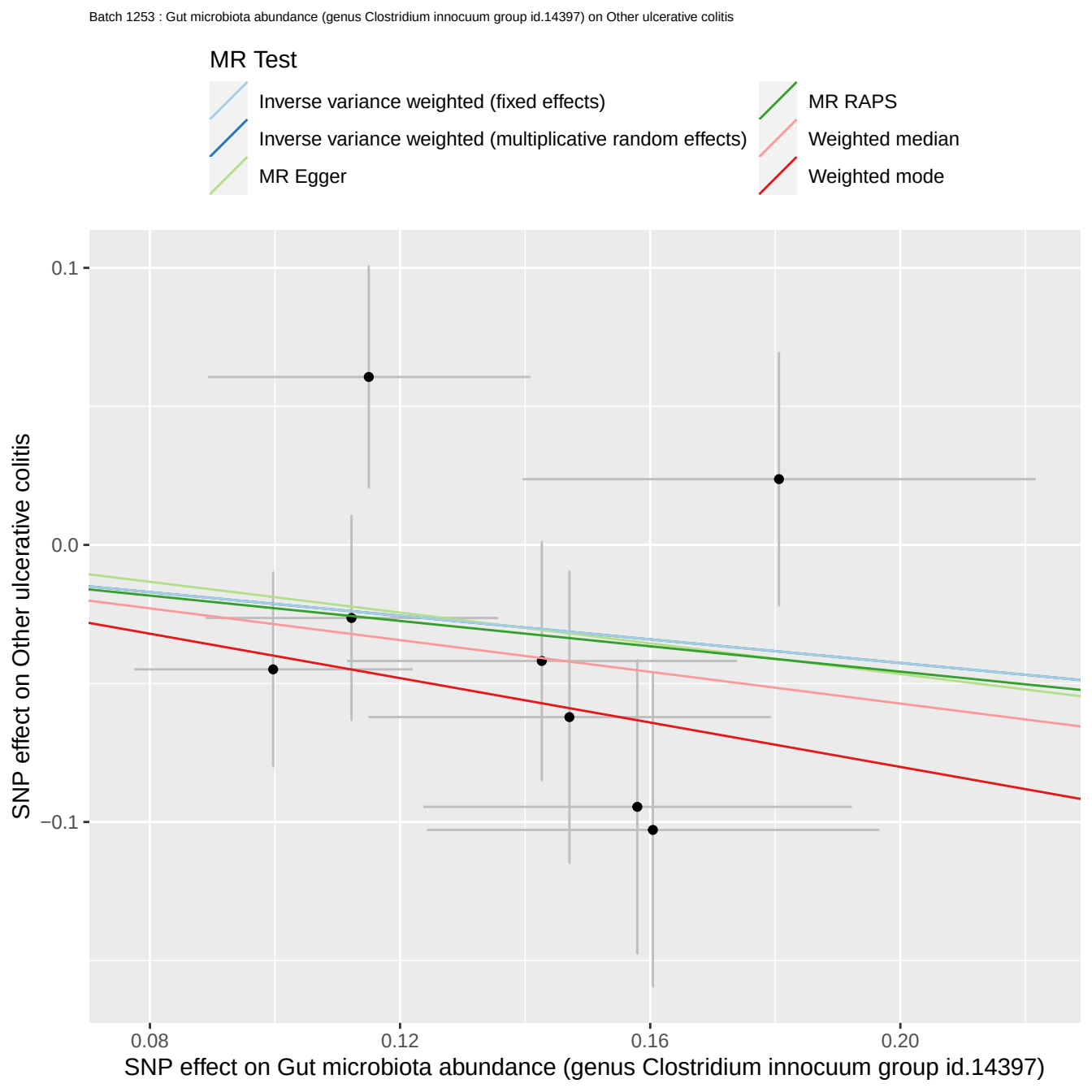

Batch 1250 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

Batch 1251 : Gut microbiota abundance (genus Catenibacterium id.2153) on Other ulcerative colitis

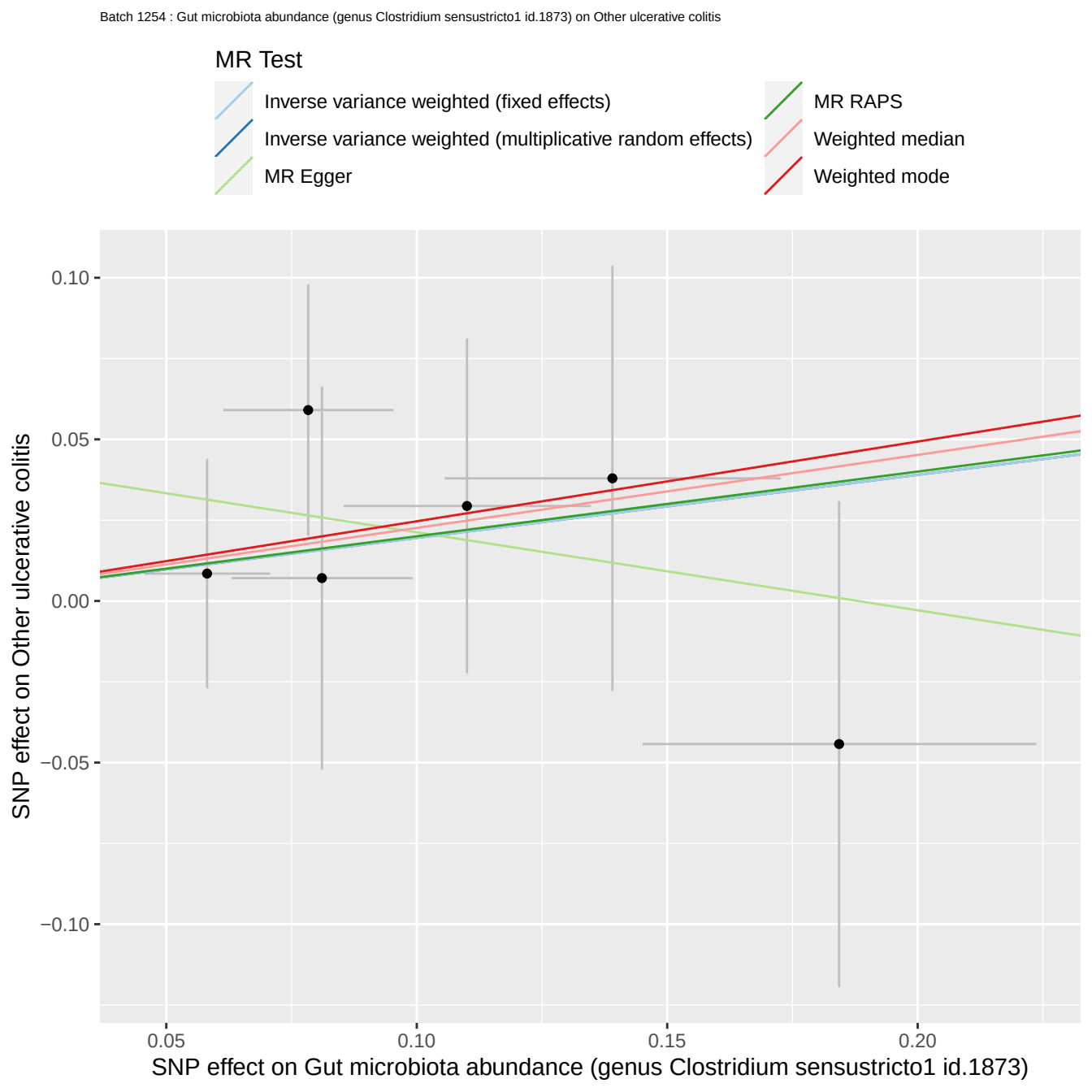


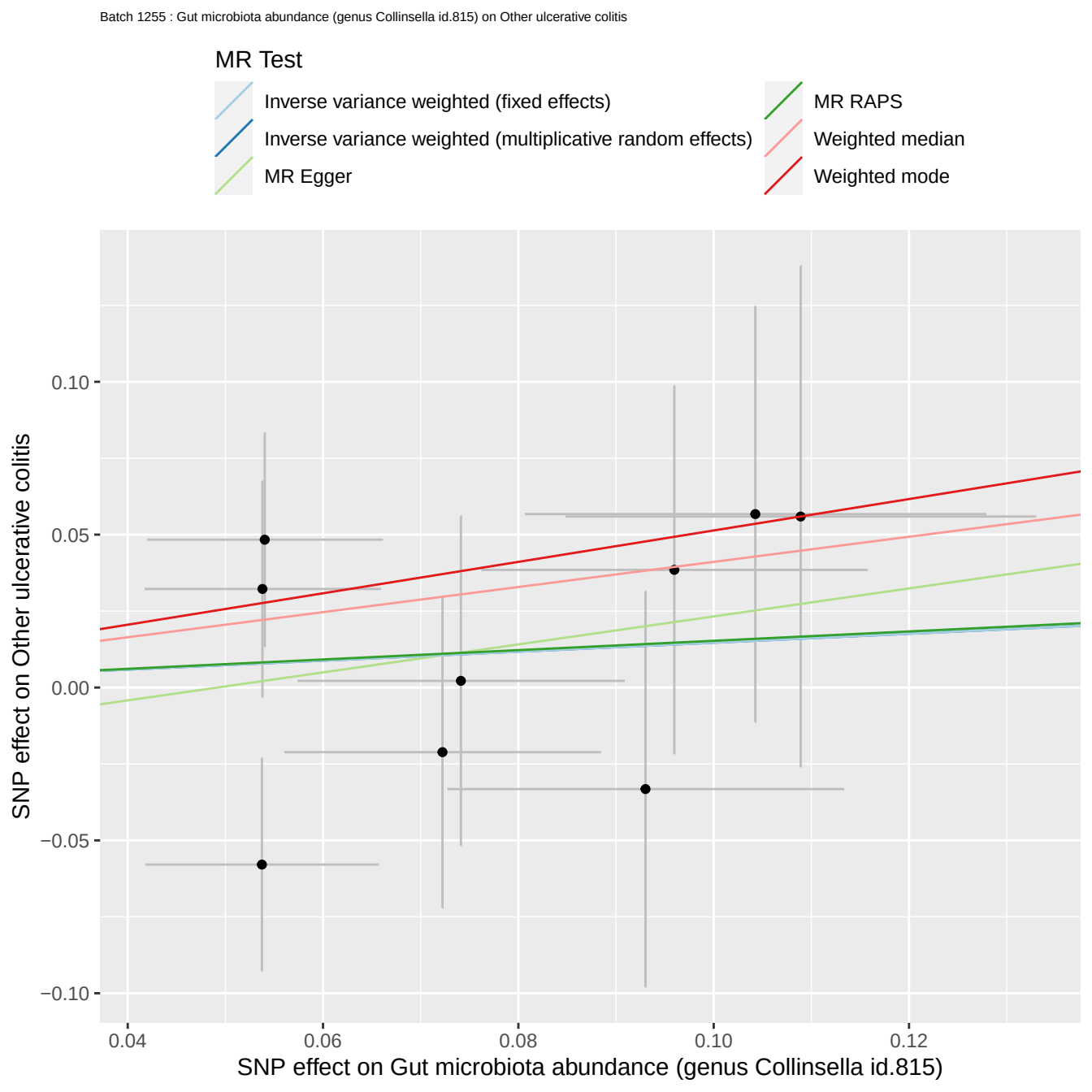
Batch 1252 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Other ulcerative colitis

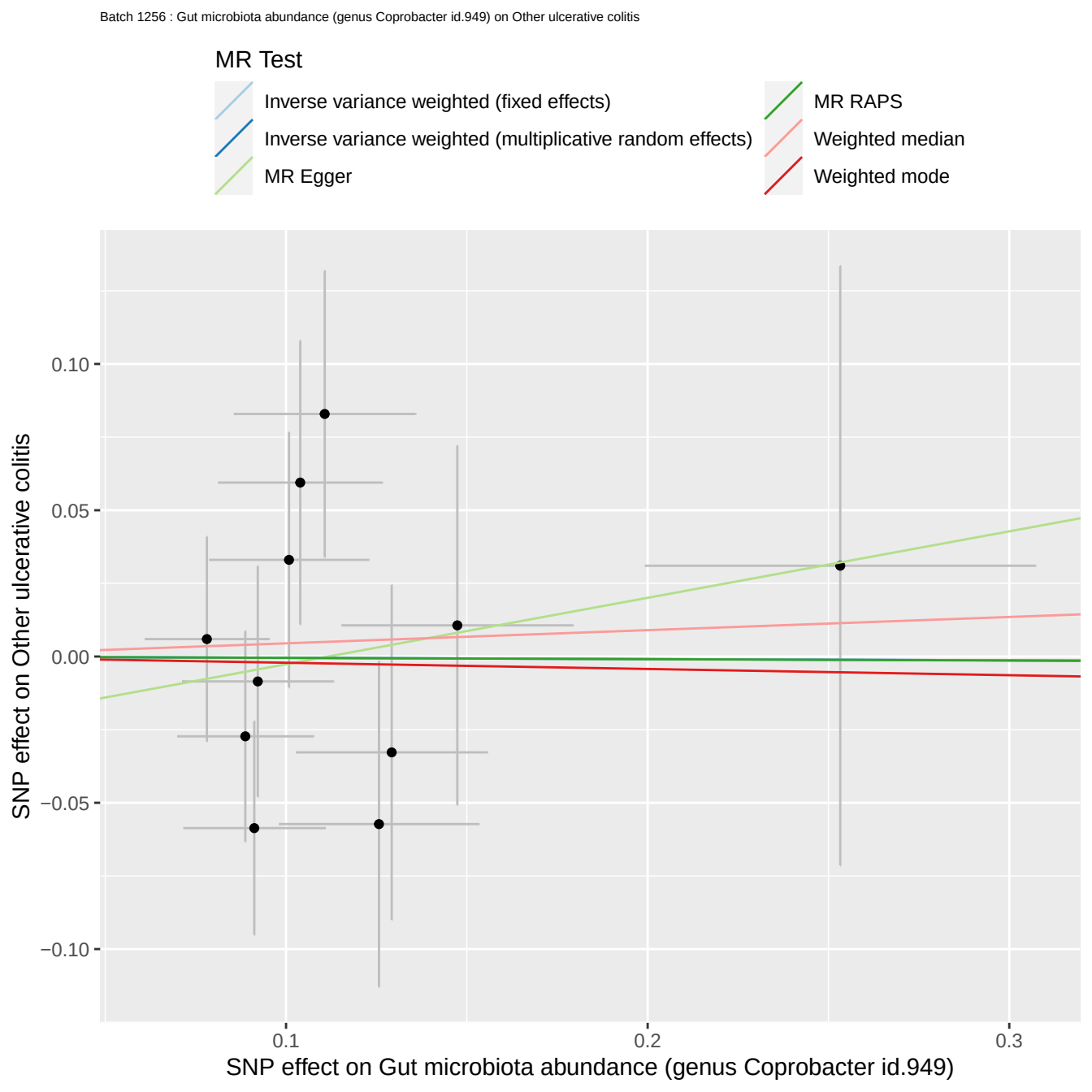


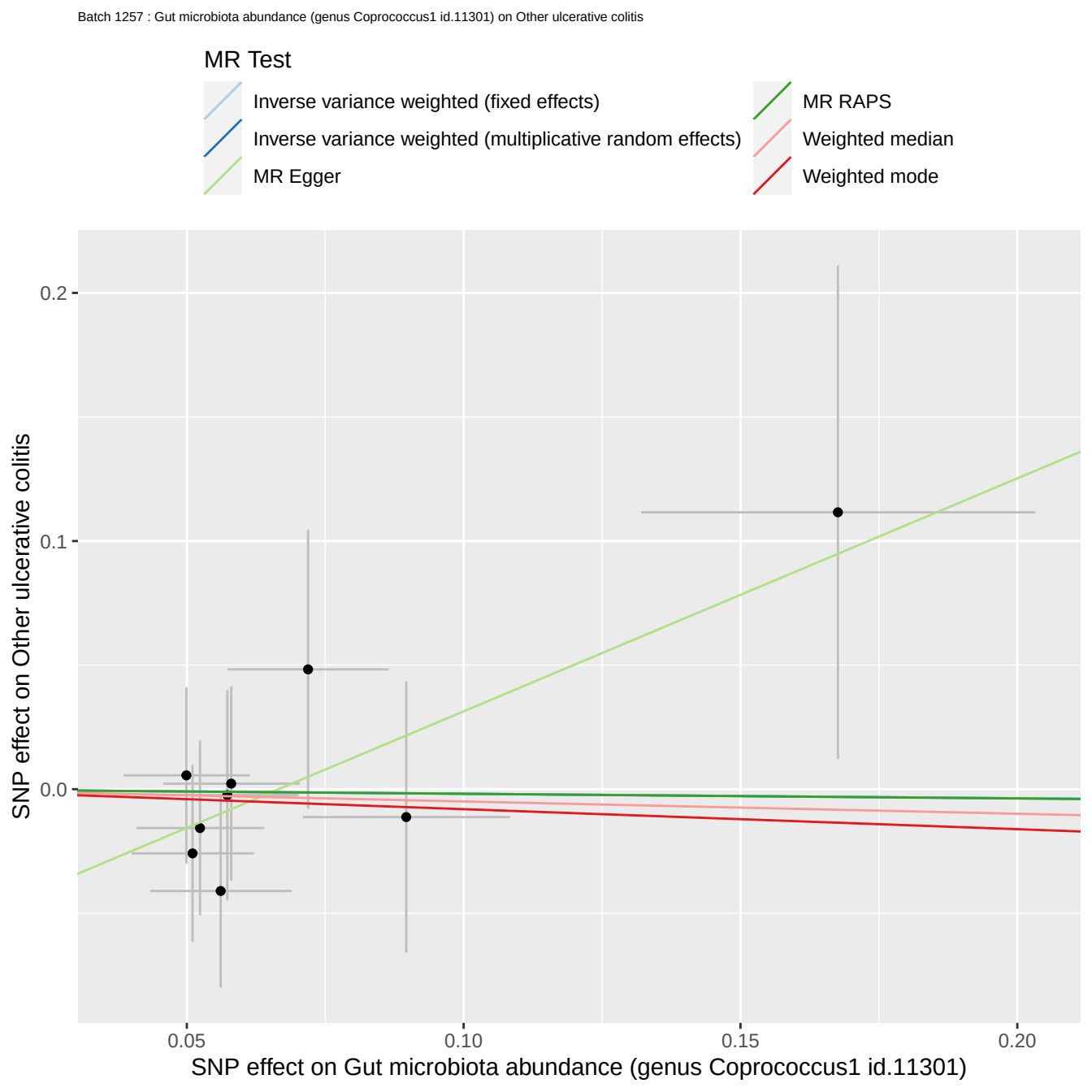

Batch 1253 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

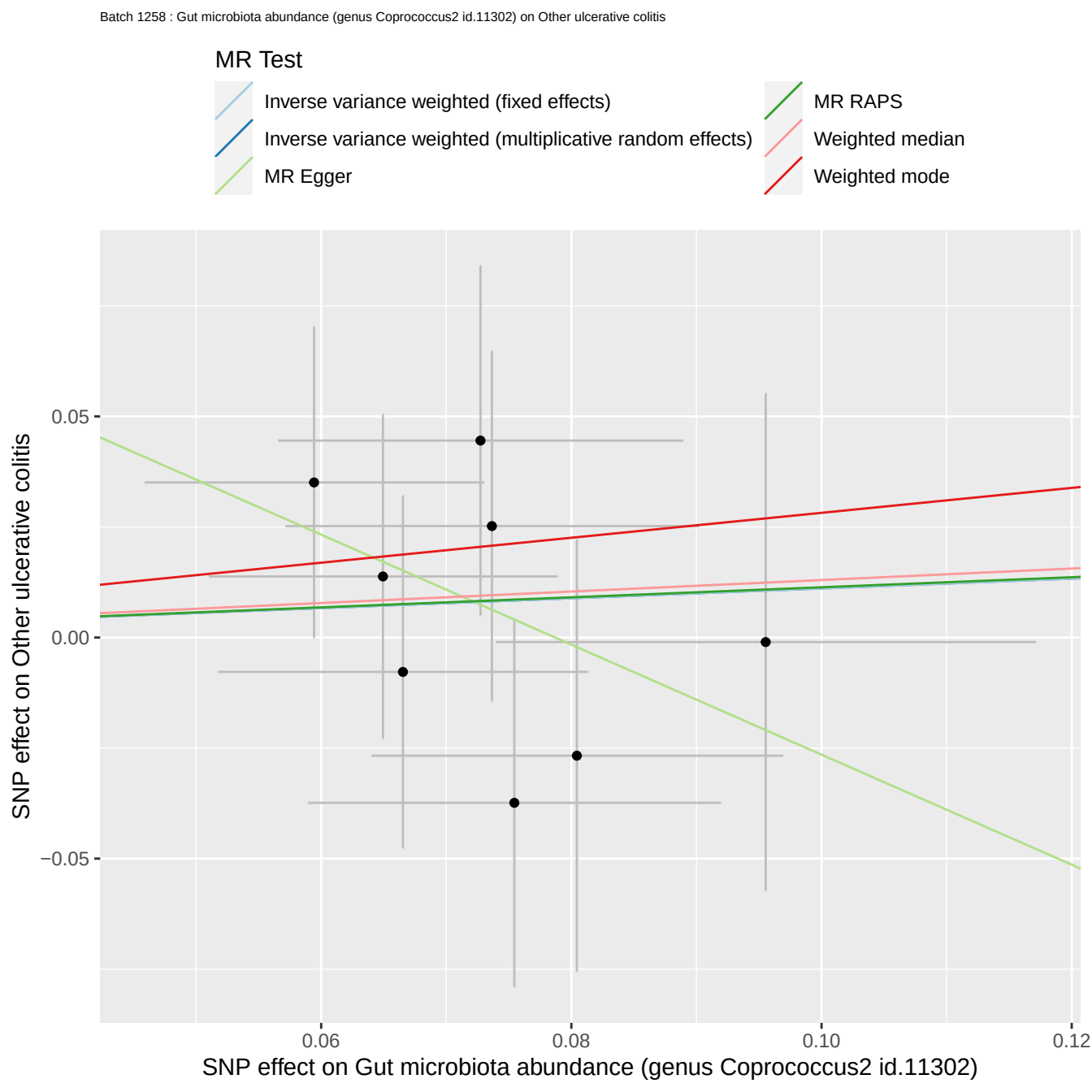
Batch 1254 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Other ulcerative colitis

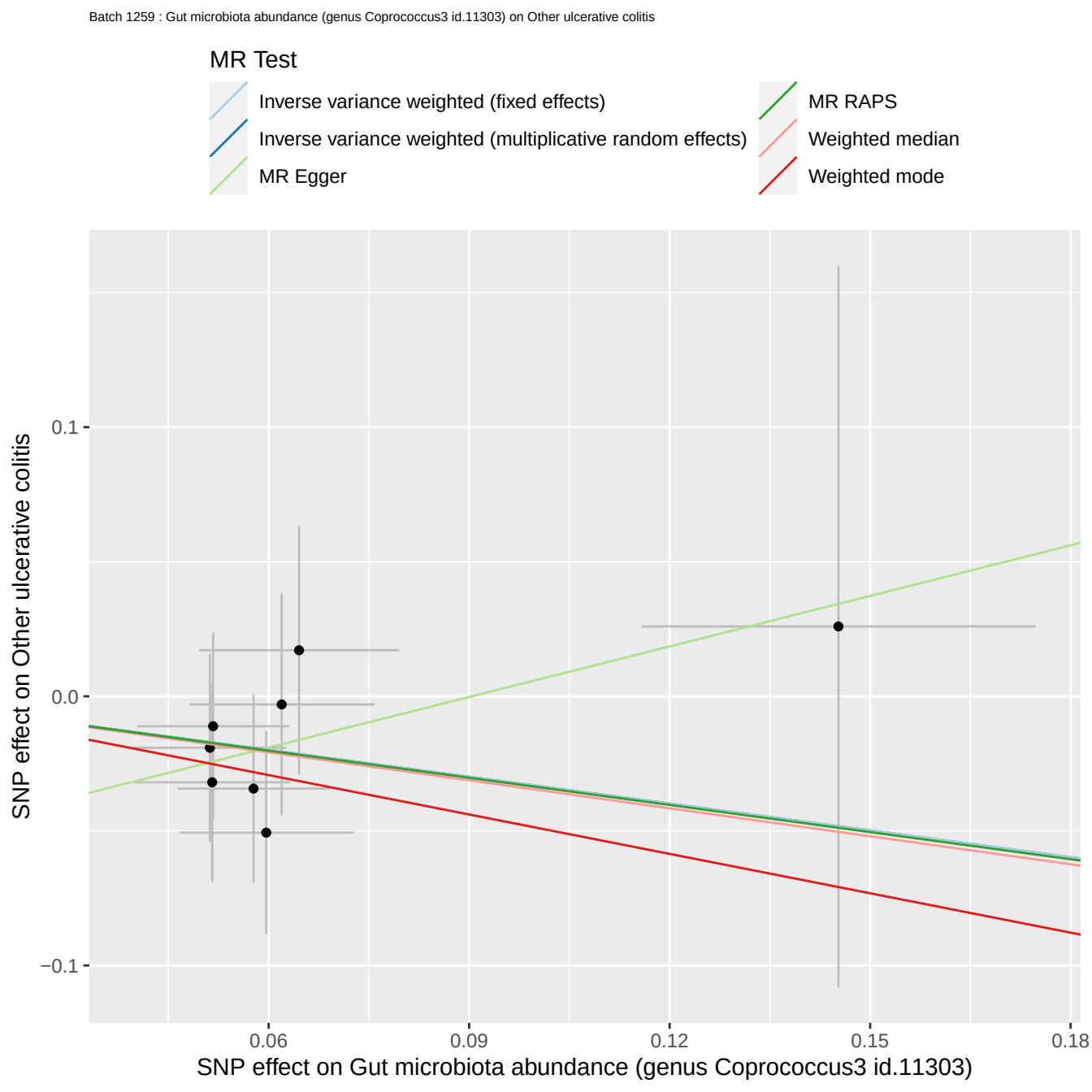


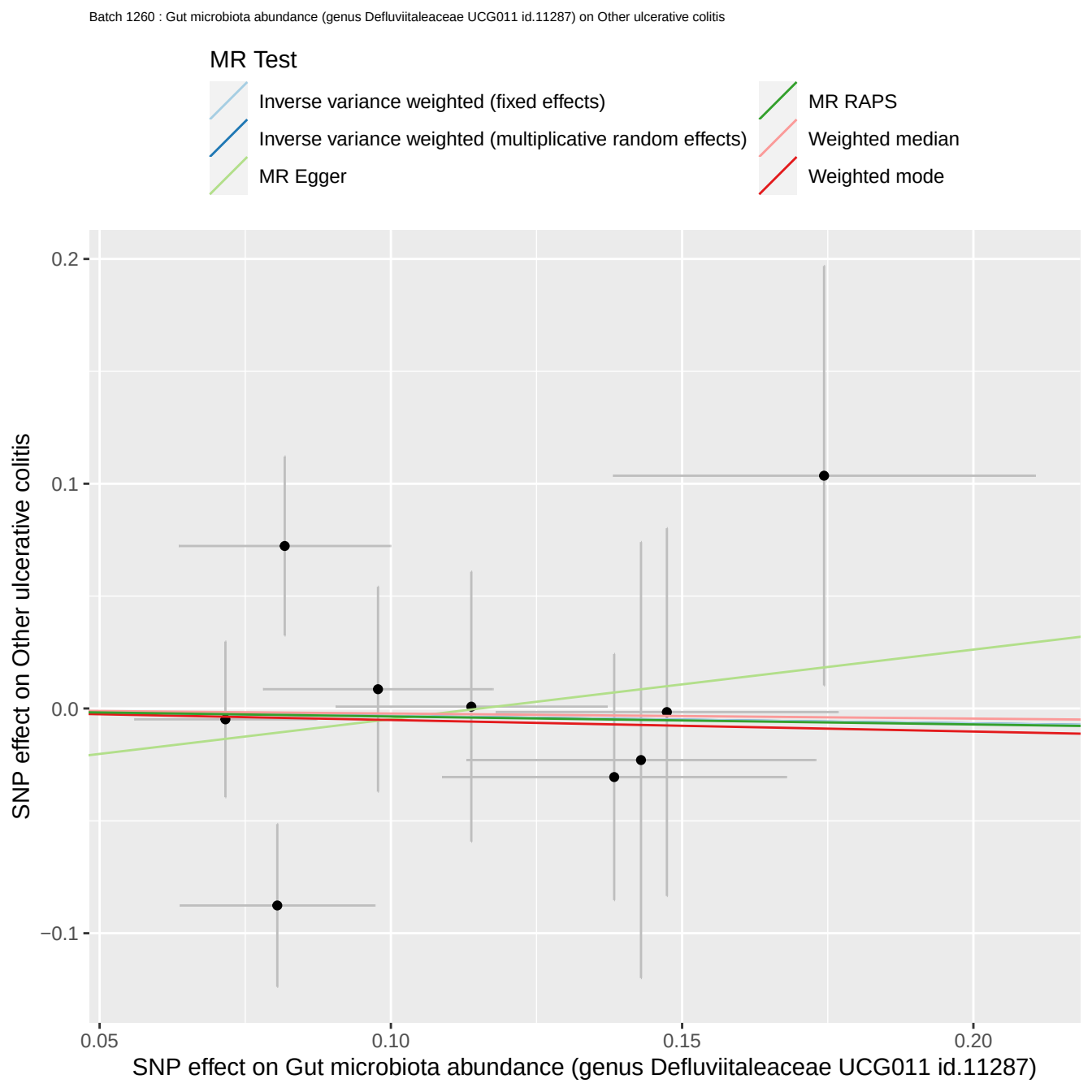

Batch 1255 : Gut microbiota abundance (genus Collinsella id.815) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

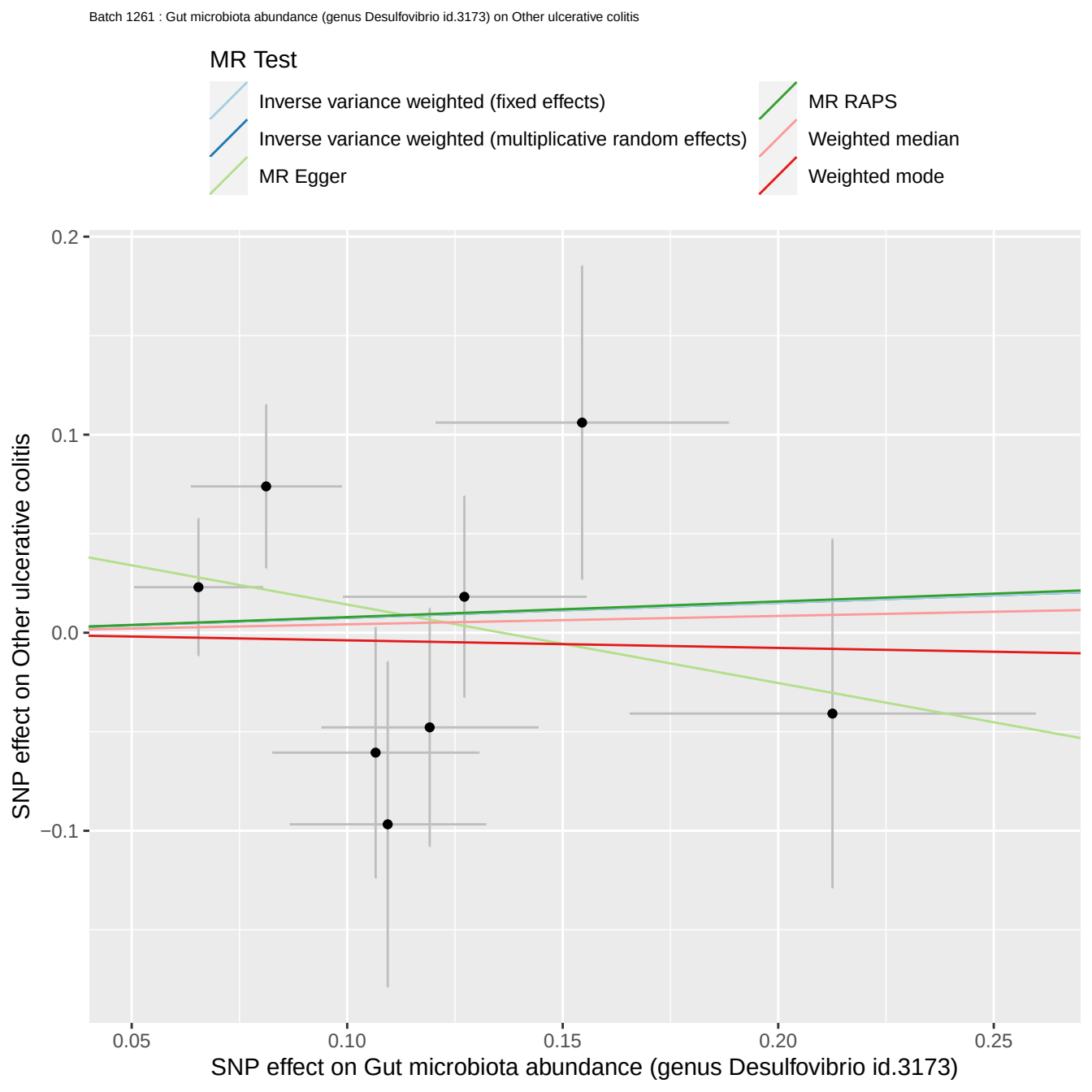

Batch 1256 : Gut microbiota abundance (genus Coprobacter id.949) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)


Batch 1257 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

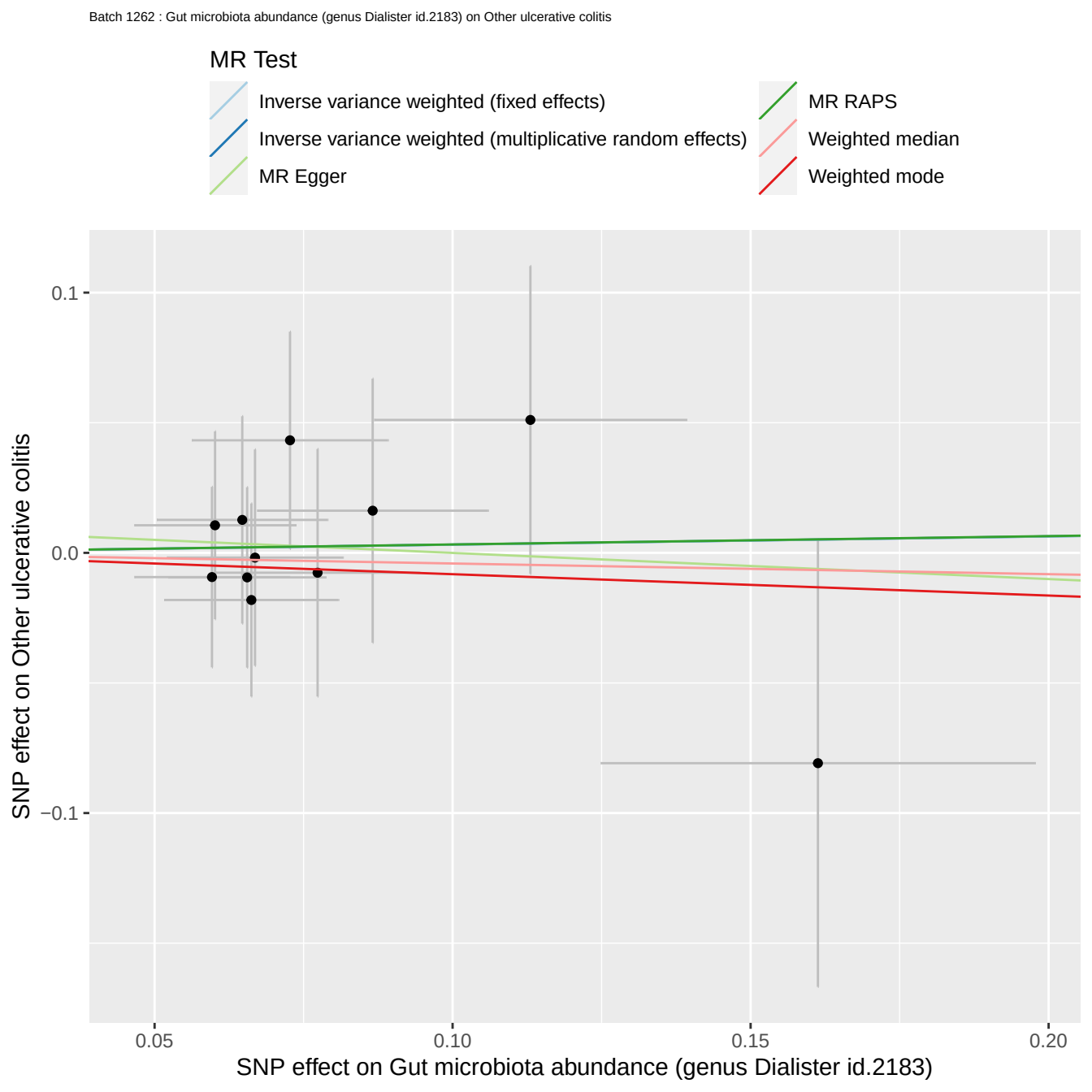

Batch 1258 : Gut microbiota abundance (genus Coprococcus2 id.11302) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

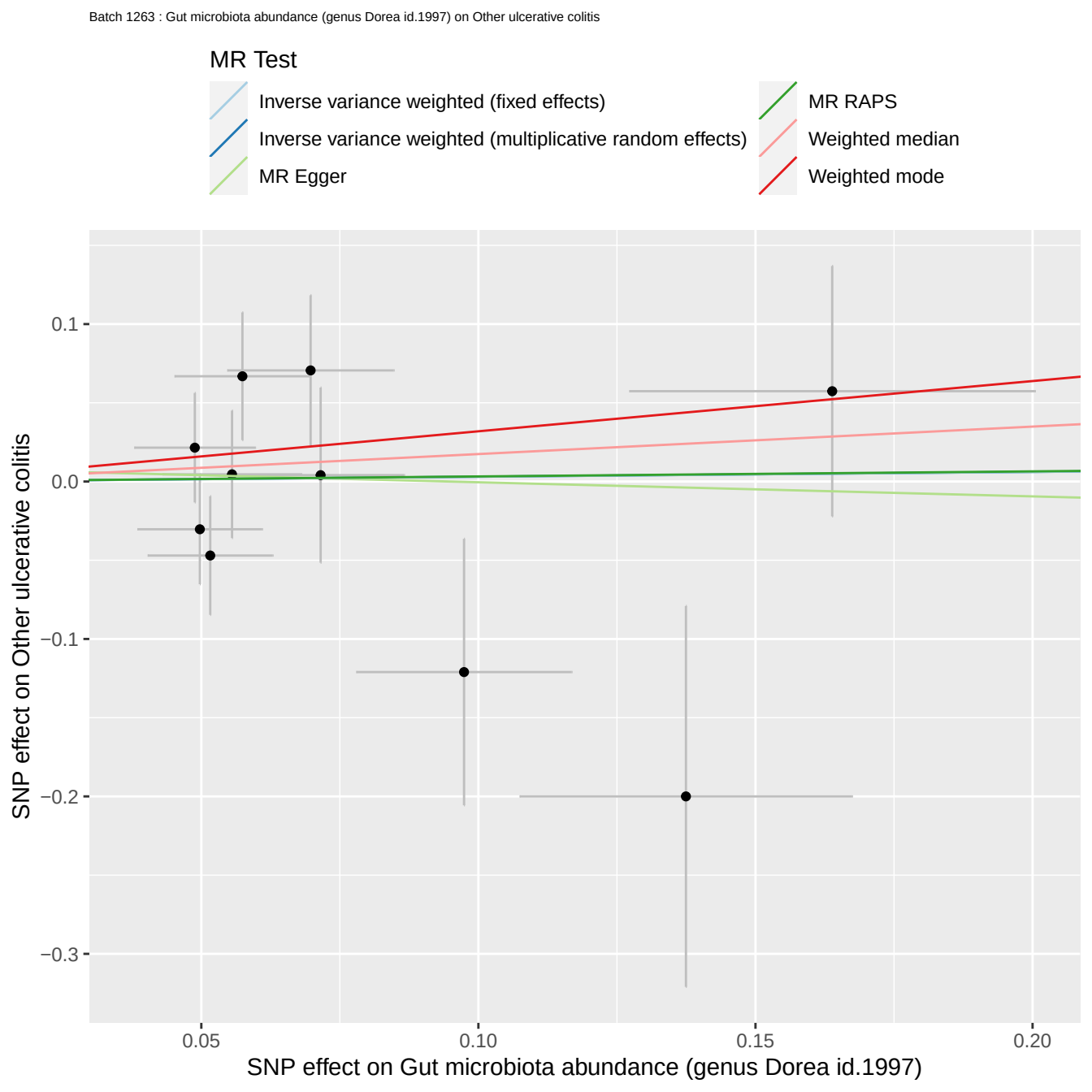

Batch 1259 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

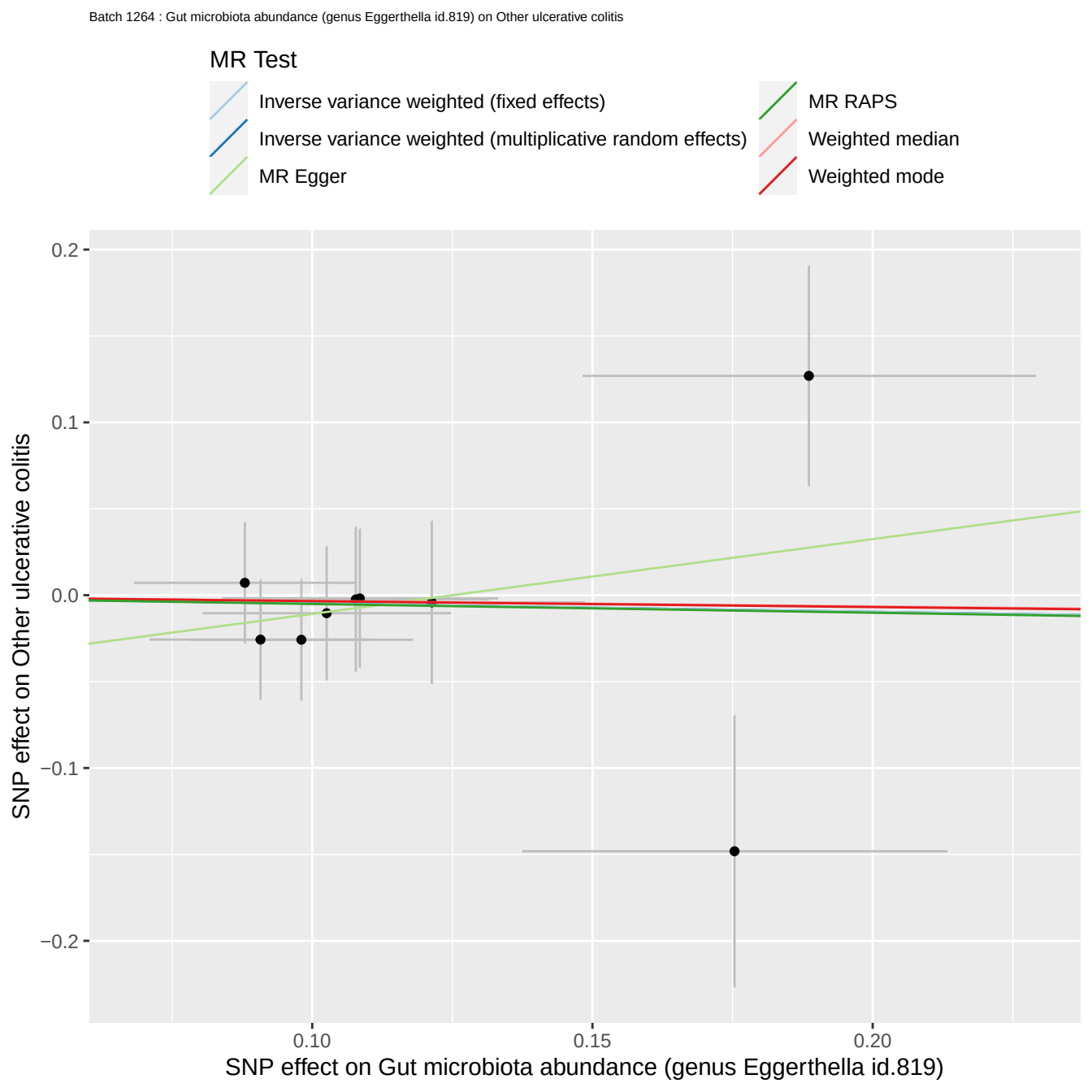

Batch 1260 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)


Batch 1261 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

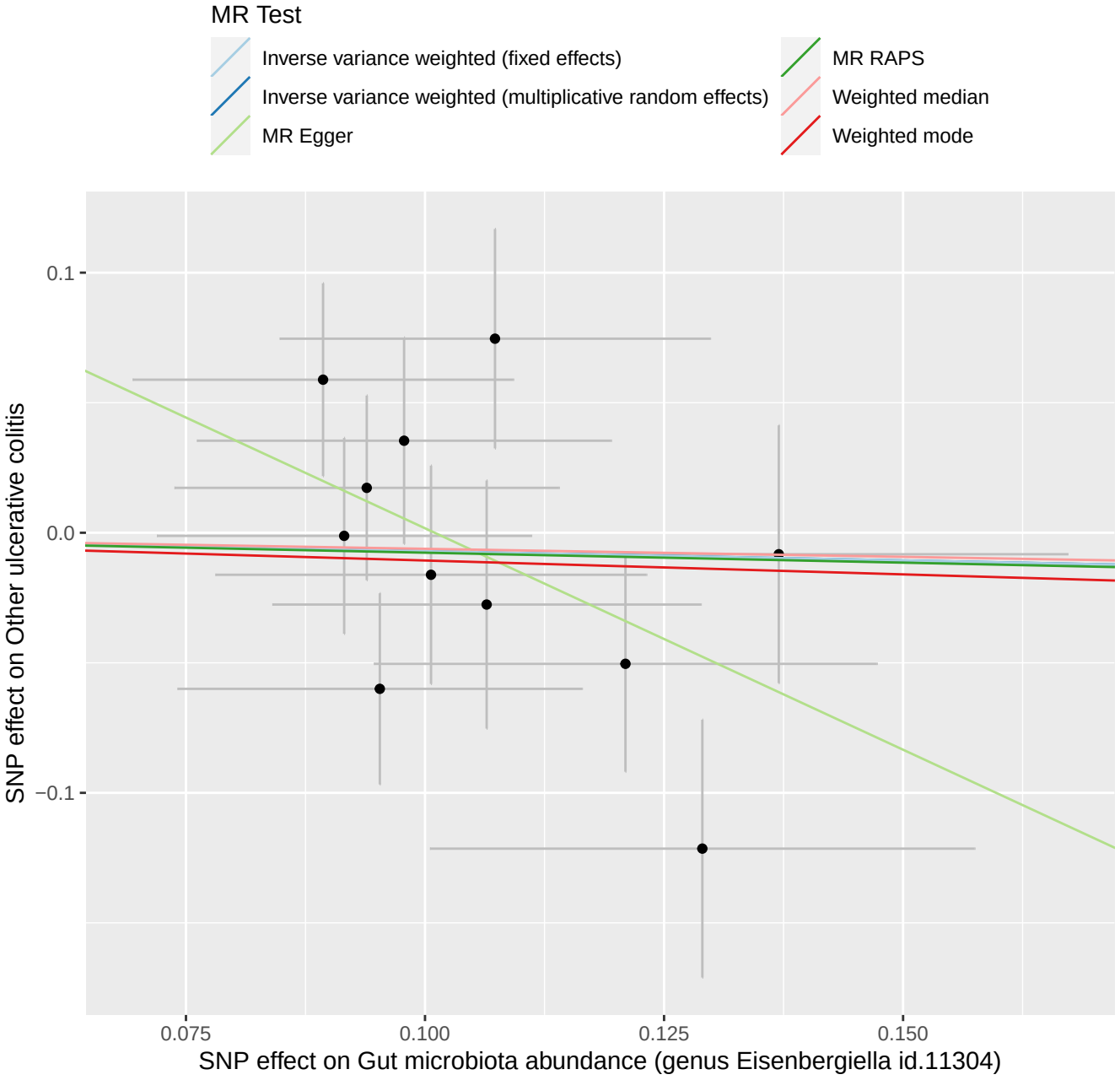
Batch 1262 : Gut microbiota abundance (genus Dialister id.2183) on Other ulcerative colitis

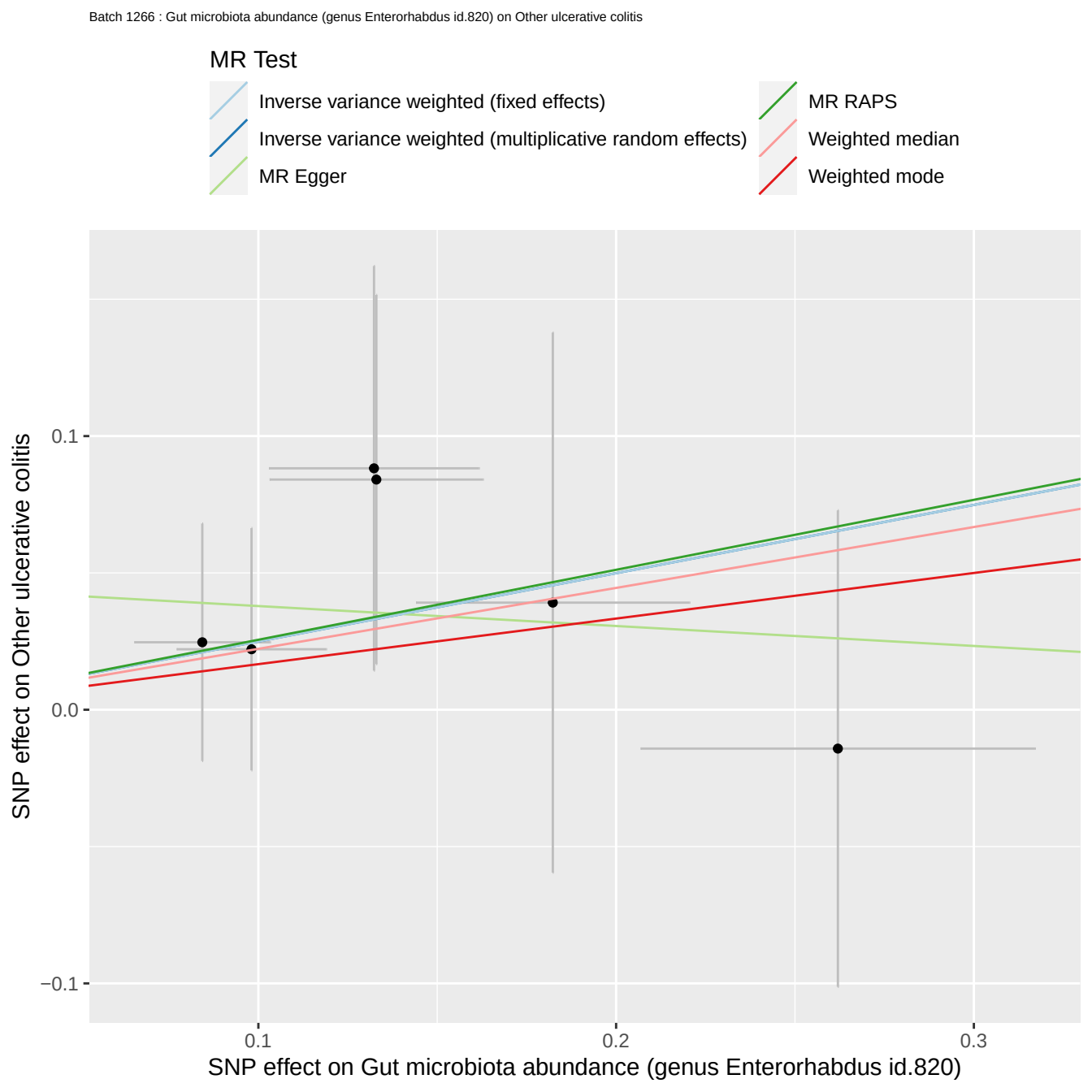


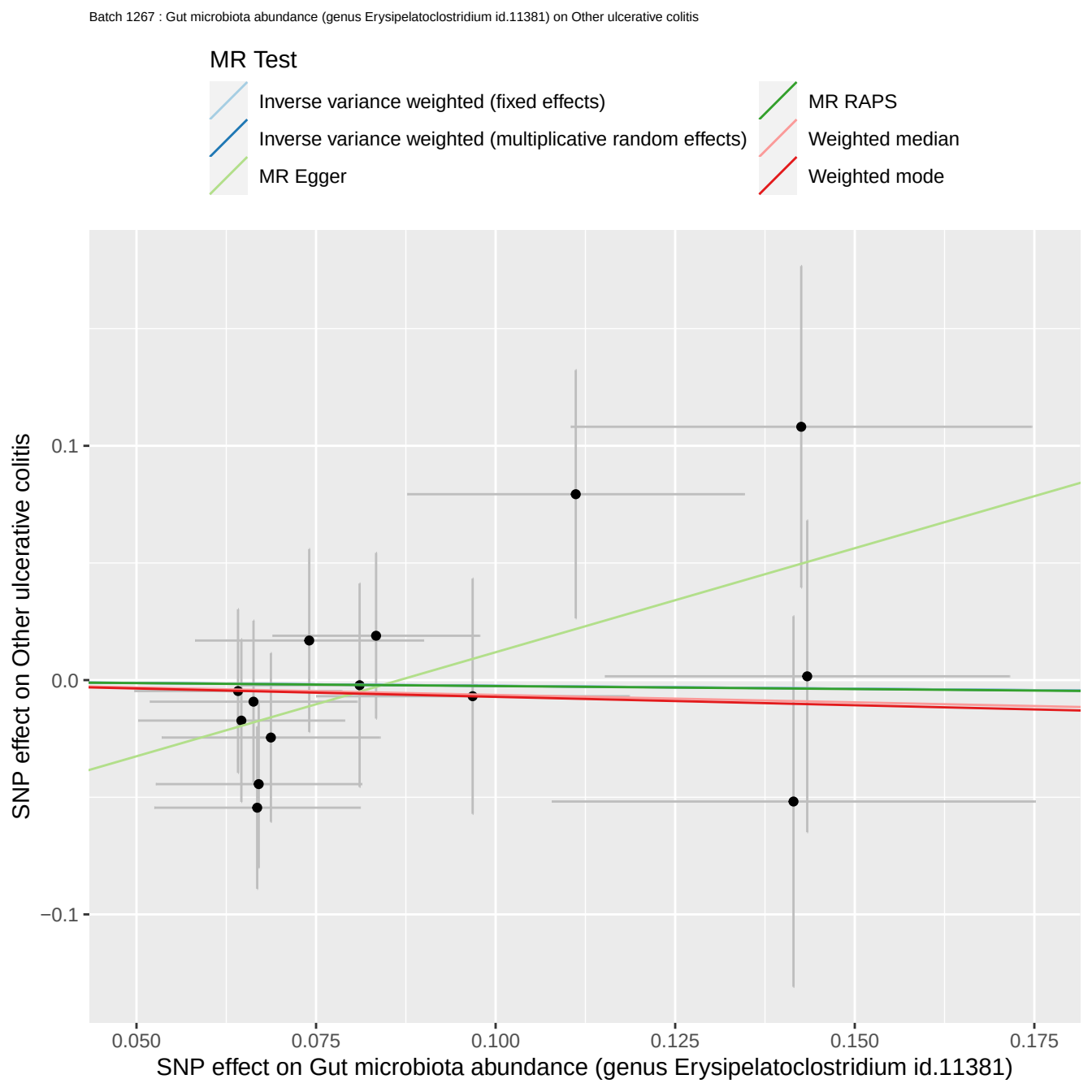

Batch 1263 : Gut microbiota abundance (genus Dorea id.1997) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)


Batch 1264 : Gut microbiota abundance (genus Eggerthella id.819) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

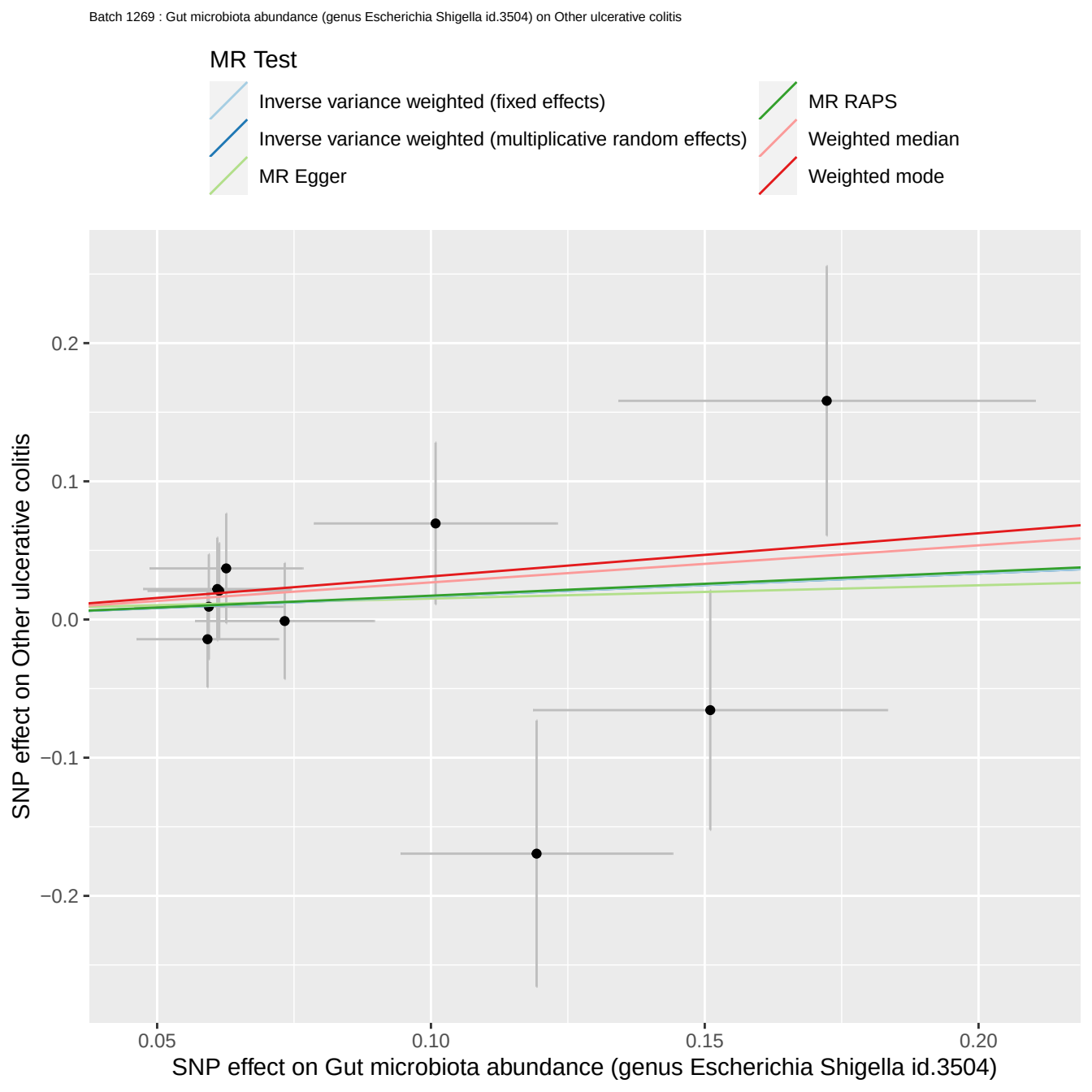
Batch 1265 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Other ulcerative colitis

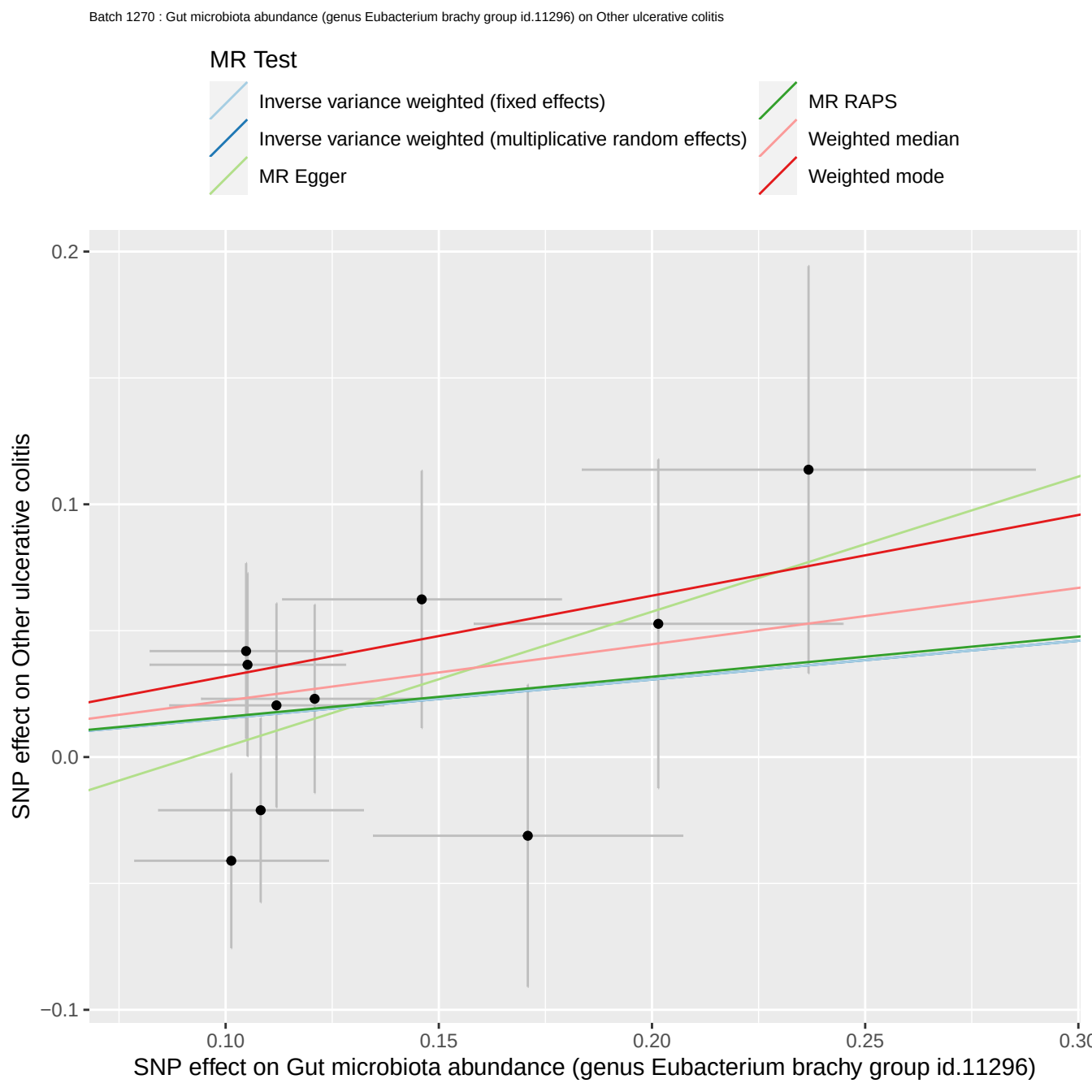


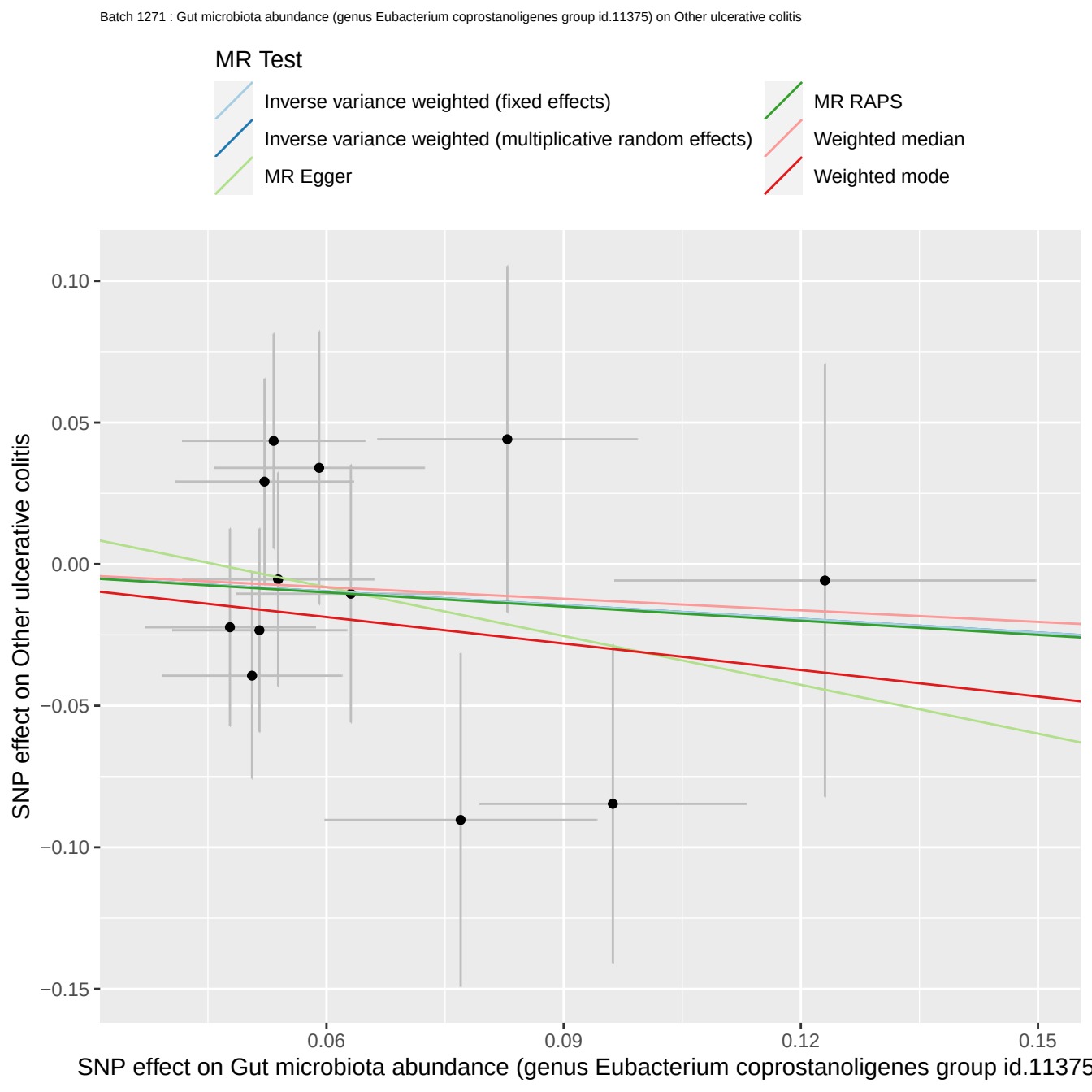

Batch 1266 : Gut microbiota abundance (genus Enterorhabdus id.820) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)

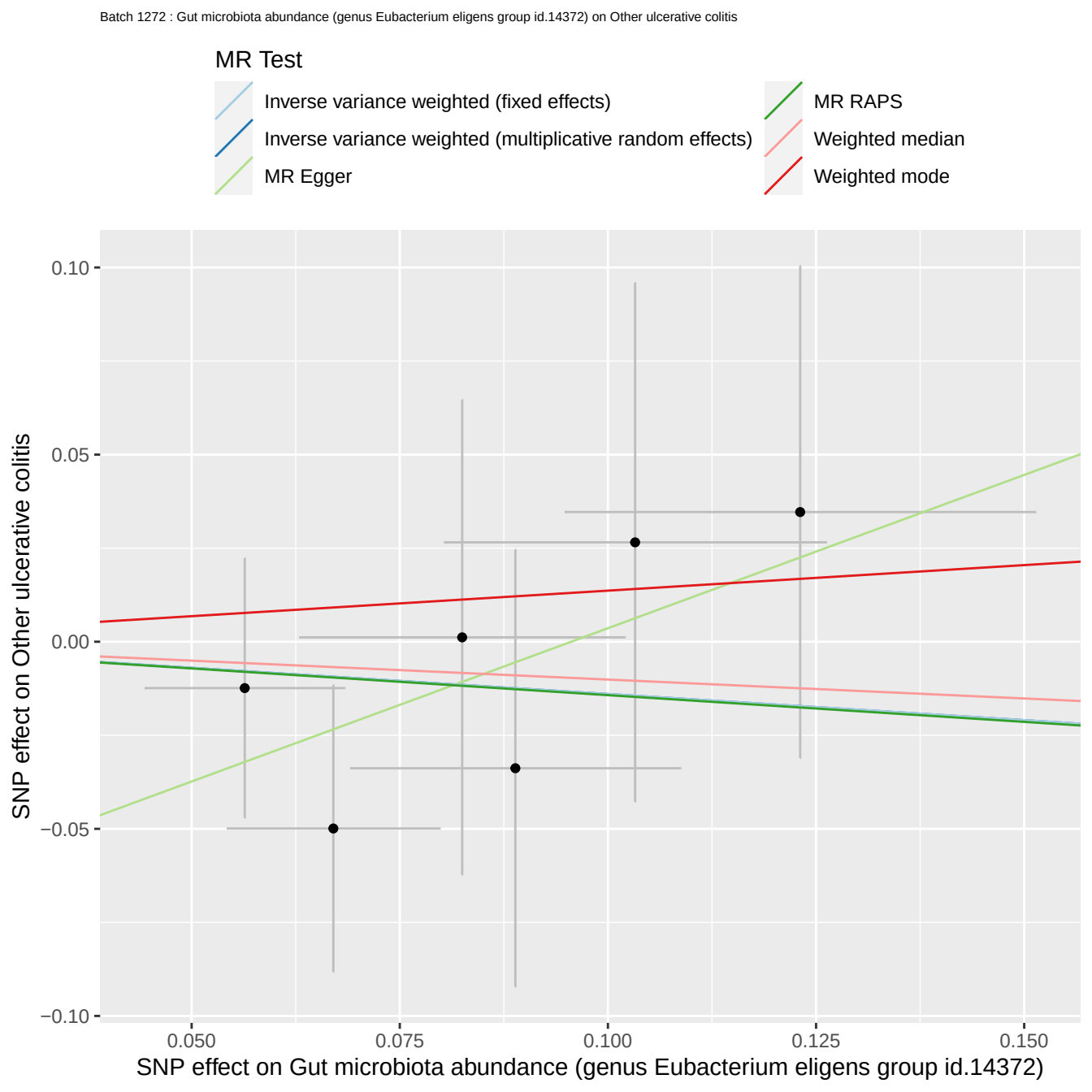

Batch 1267 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

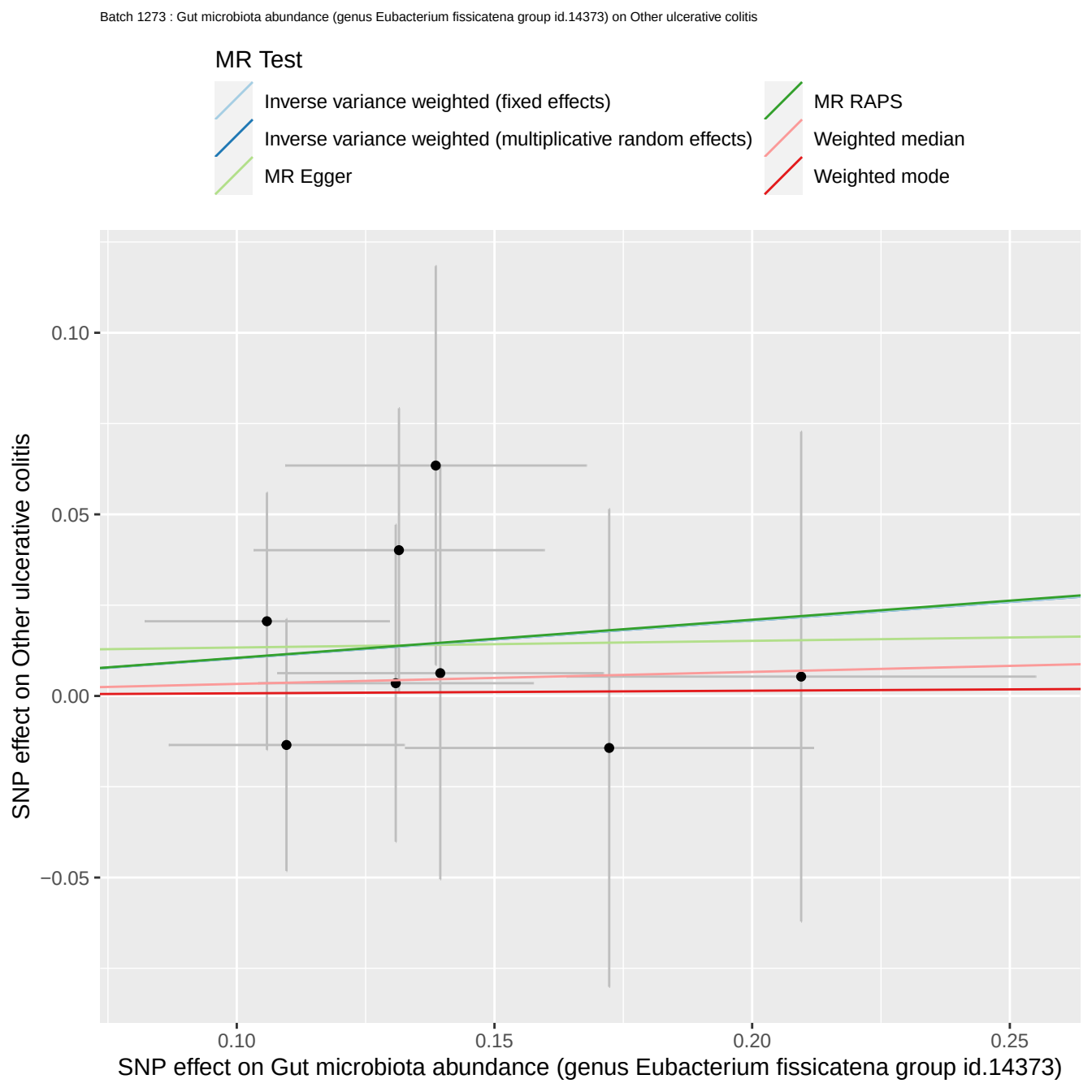
Insufficient number of SNPs

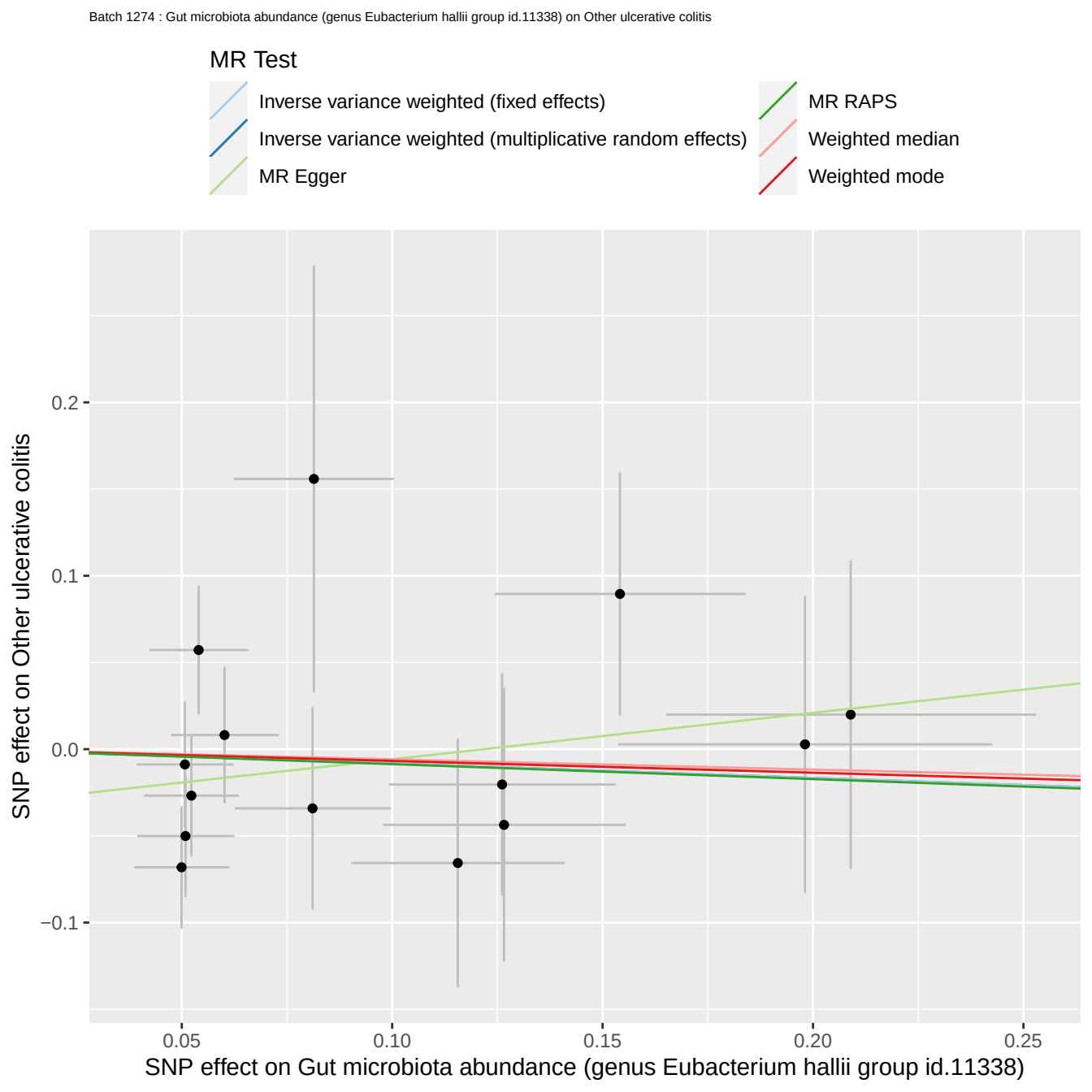

Batch 1269 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)


Batch 1270 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

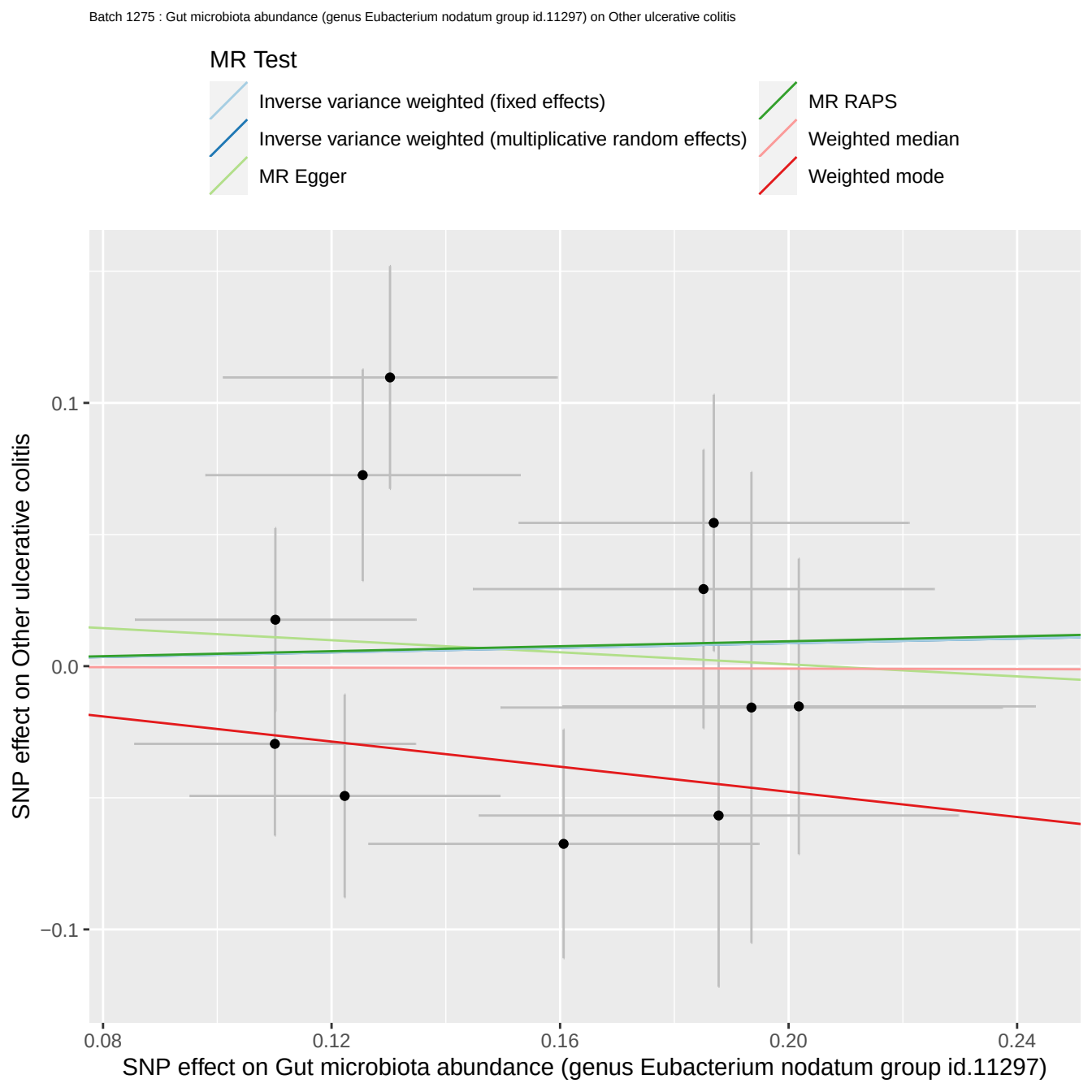

Batch 1271 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375

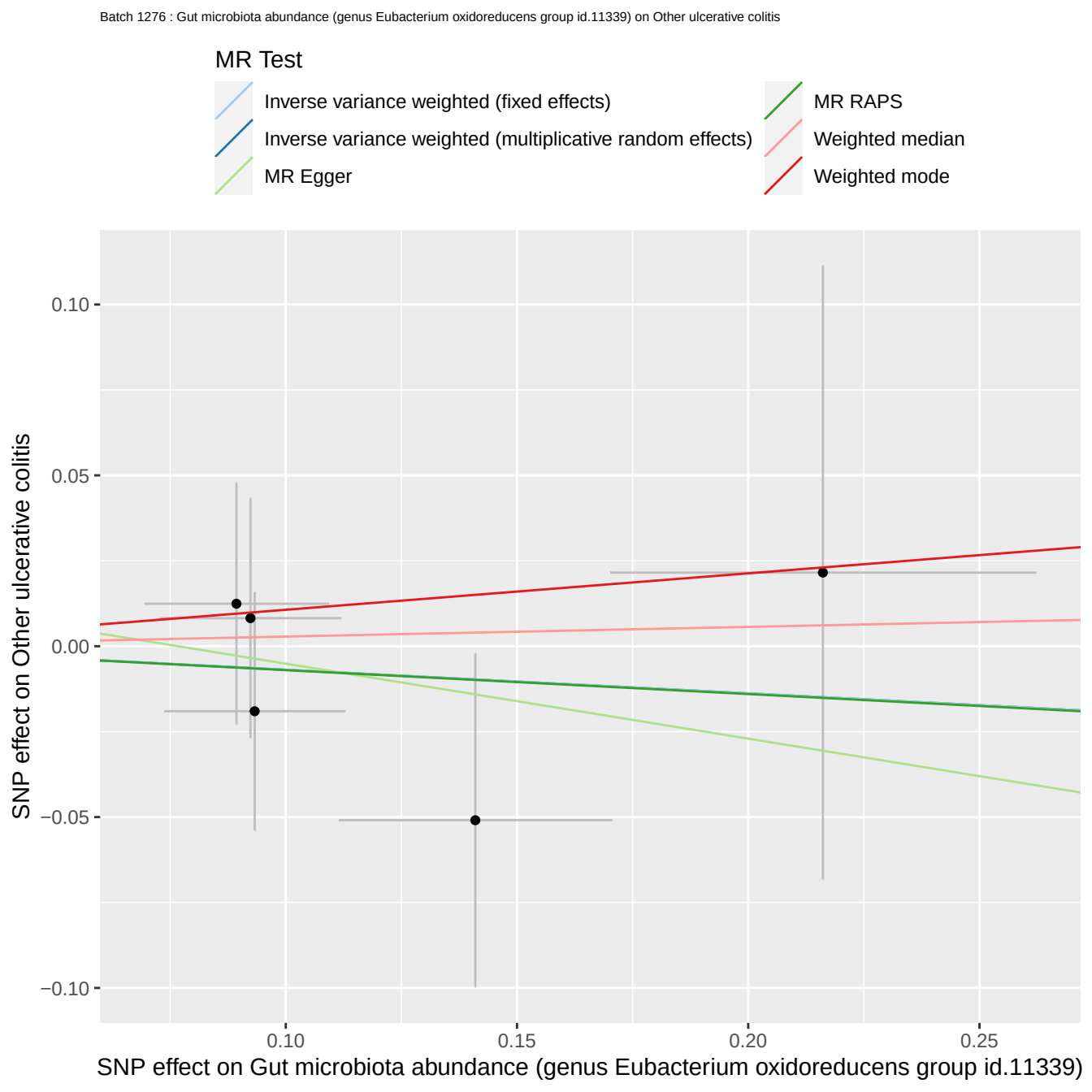

Batch 1272 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

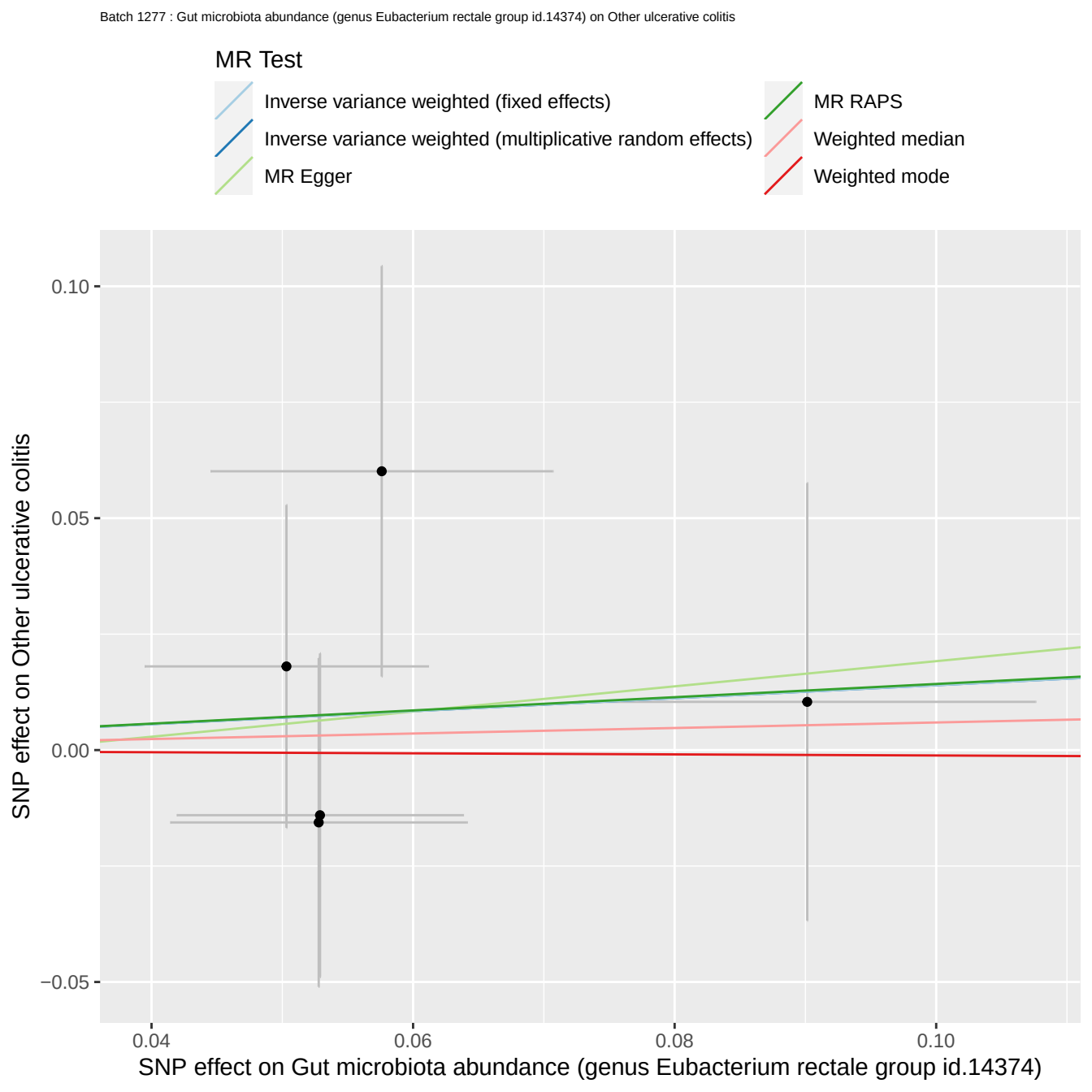

Batch 1273 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

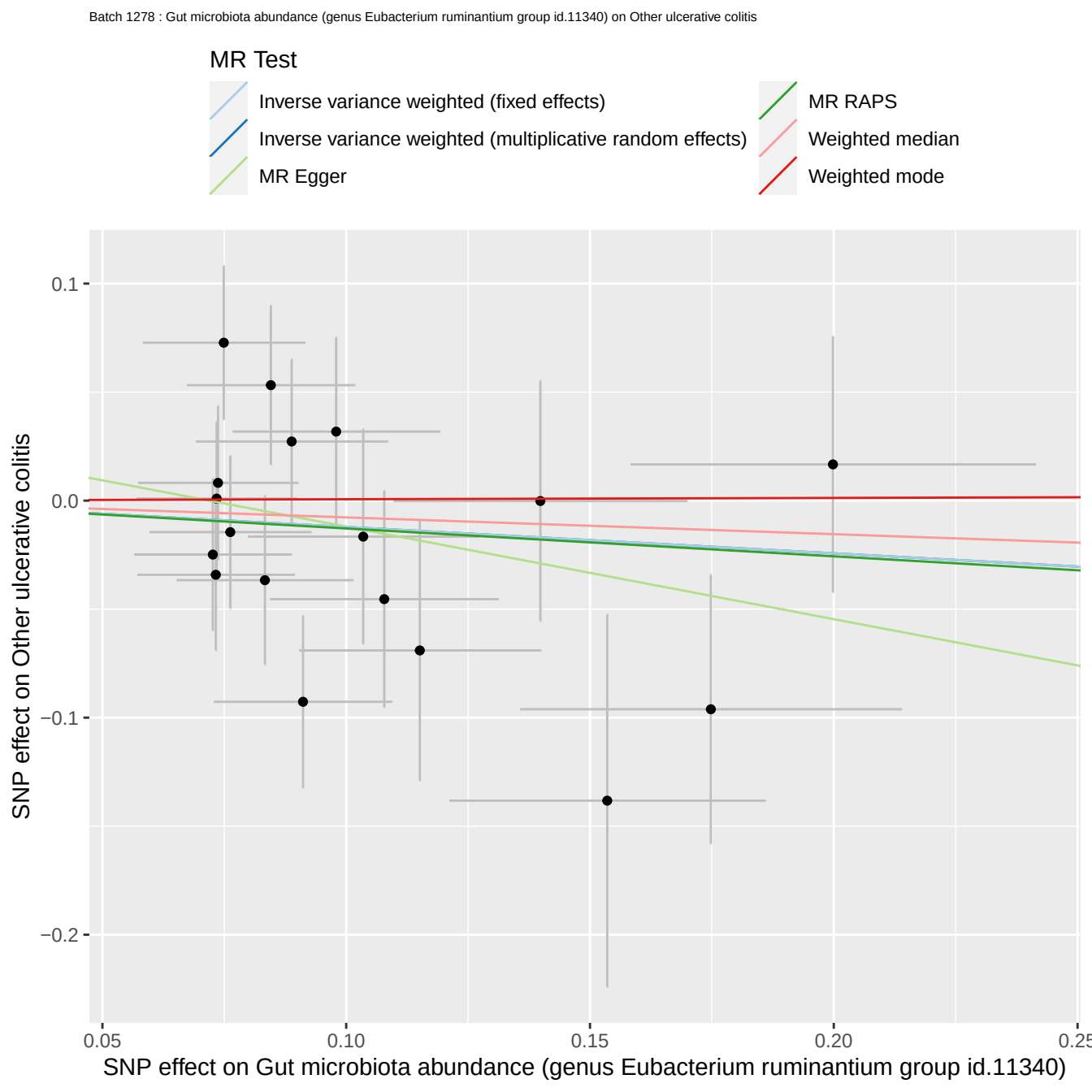

Batch 1274 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium hallii group id.11338)

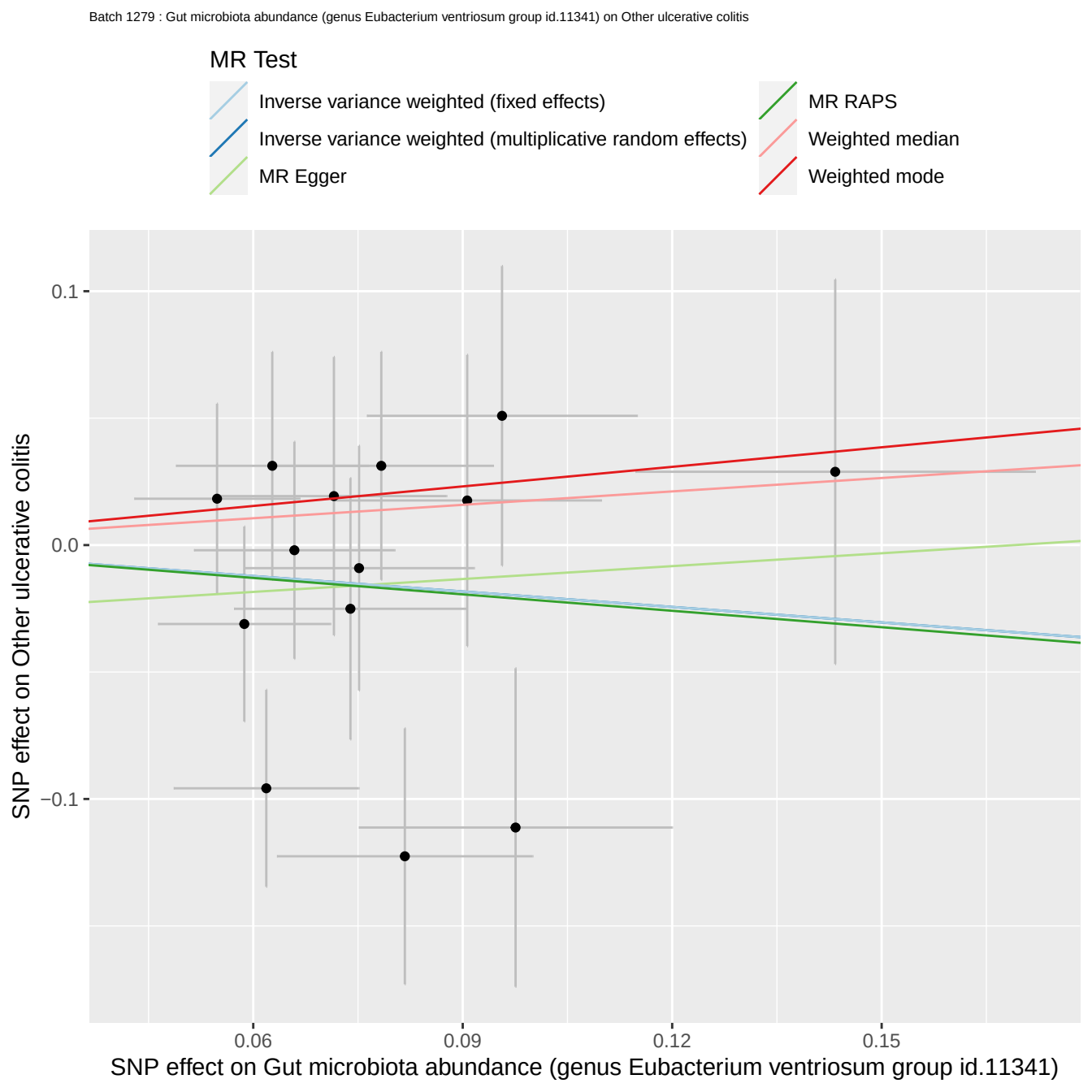
Batch 1275 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Other ulcerative colitis

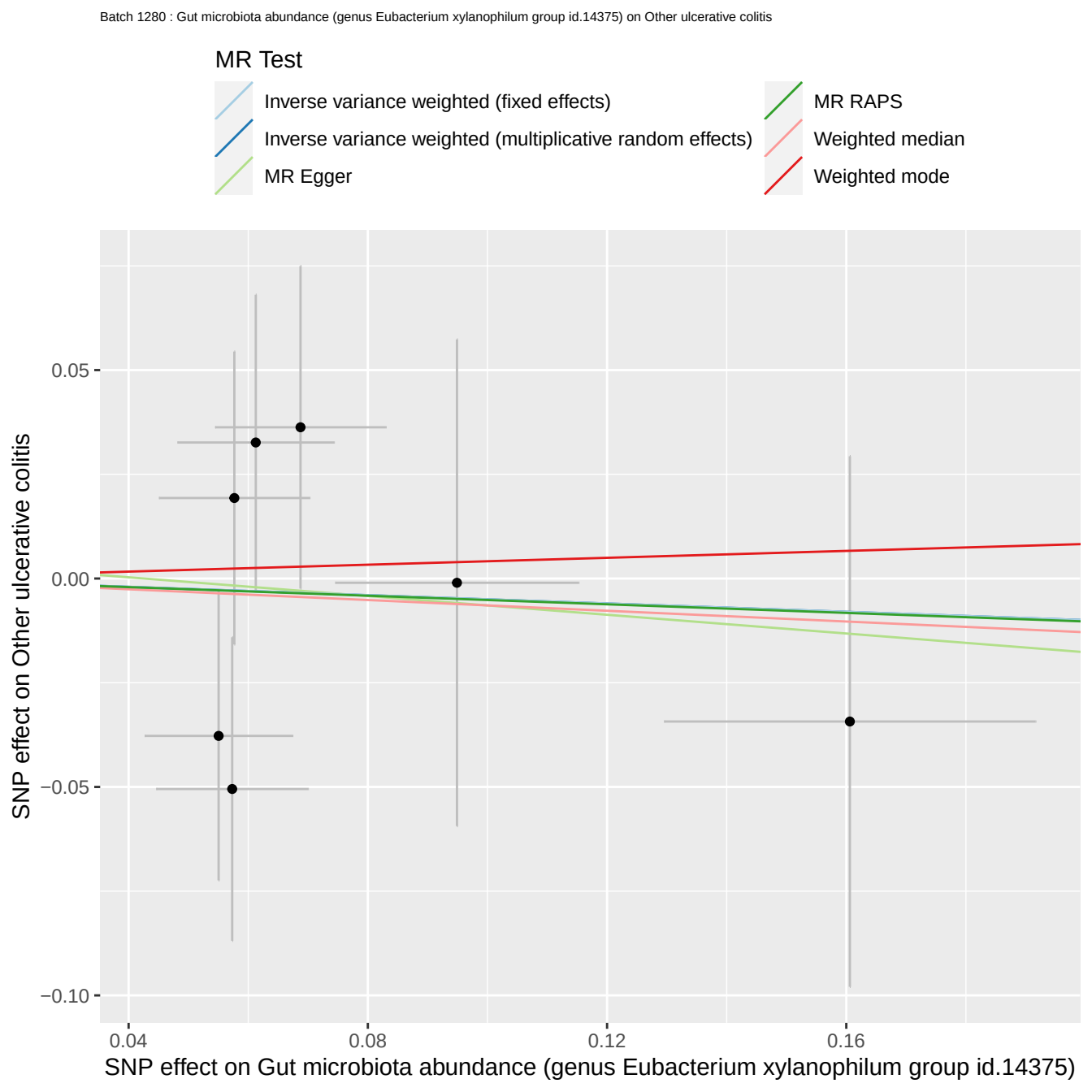


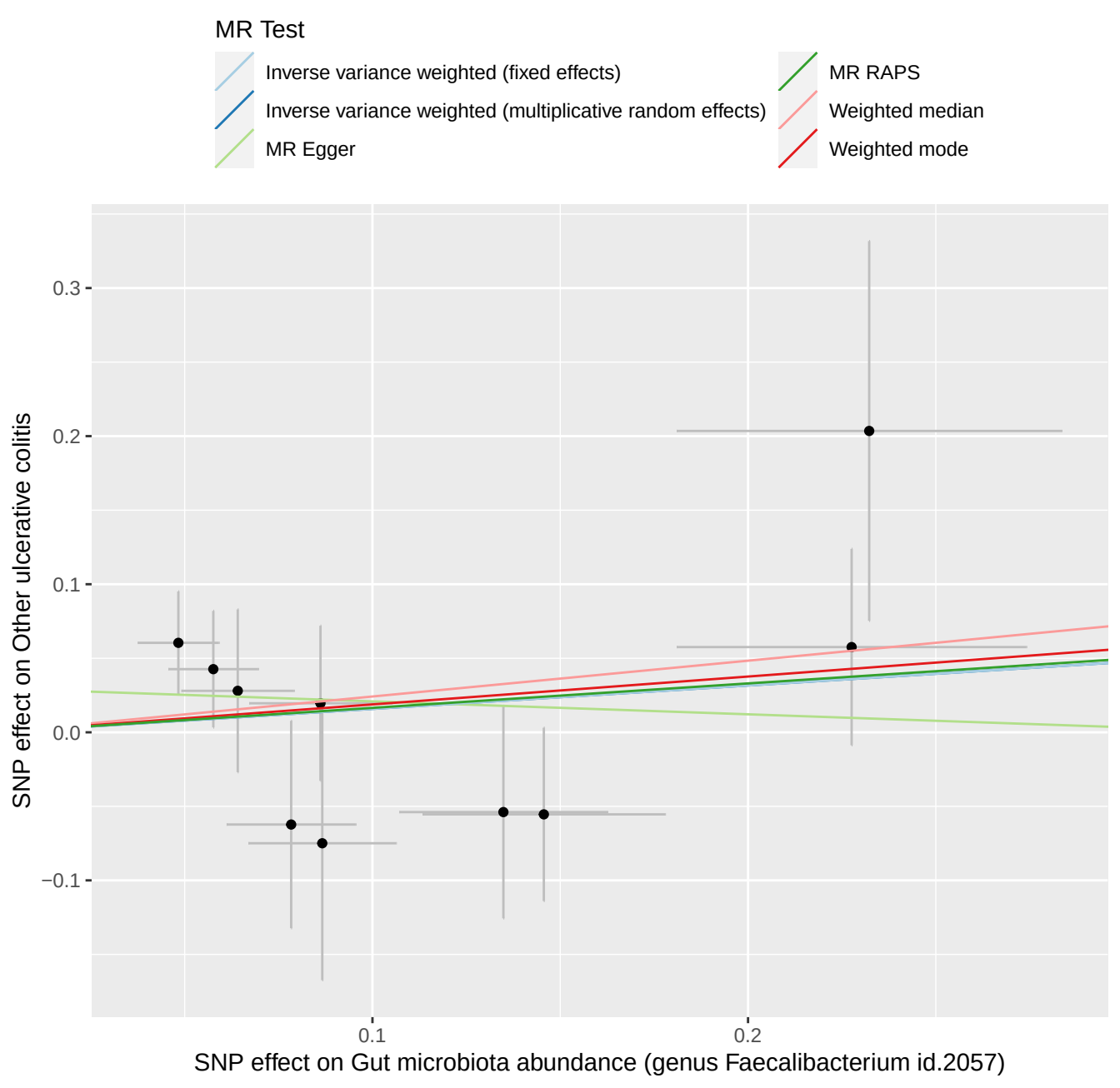

Batch 1276 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339)


Batch 1277 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

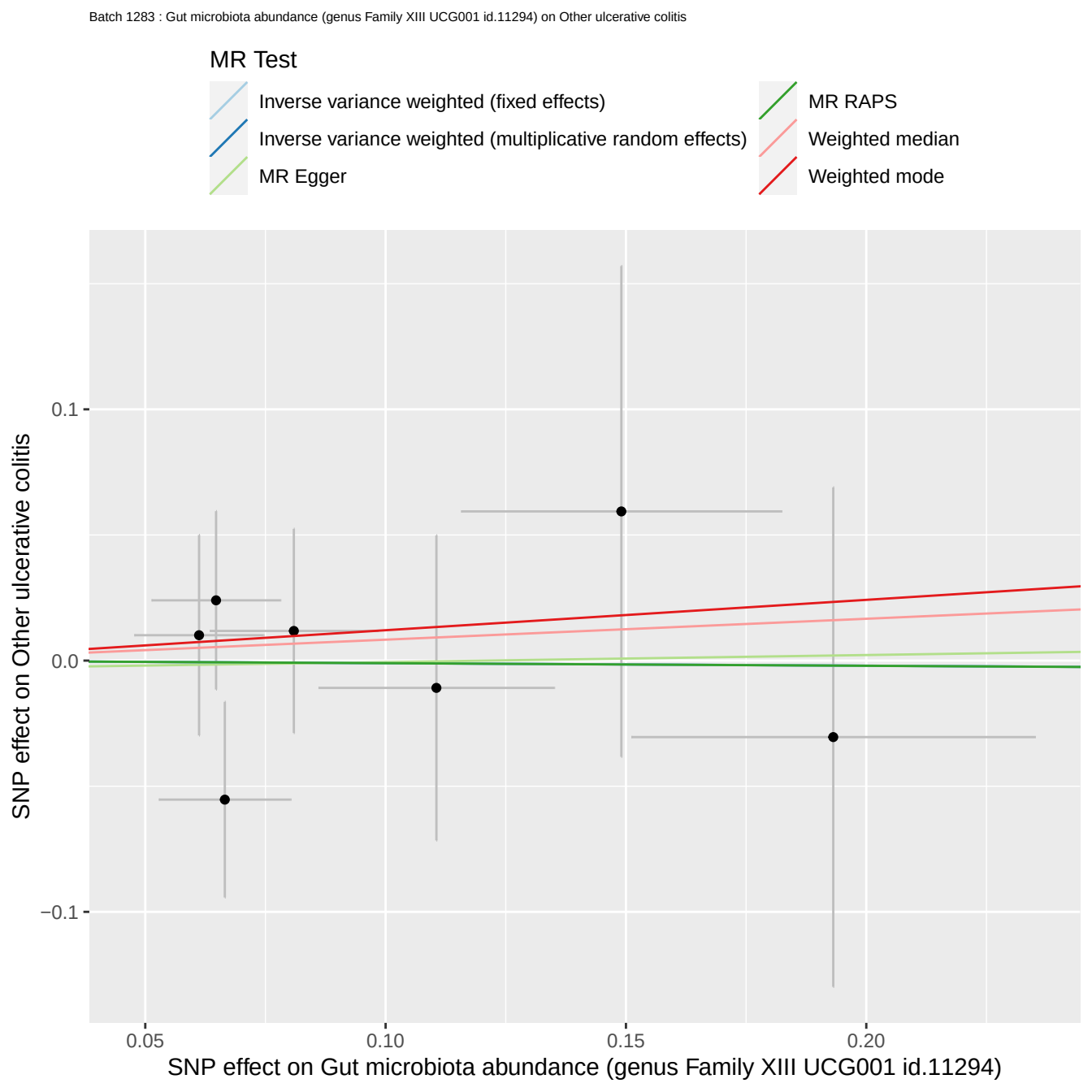

Batch 1278 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

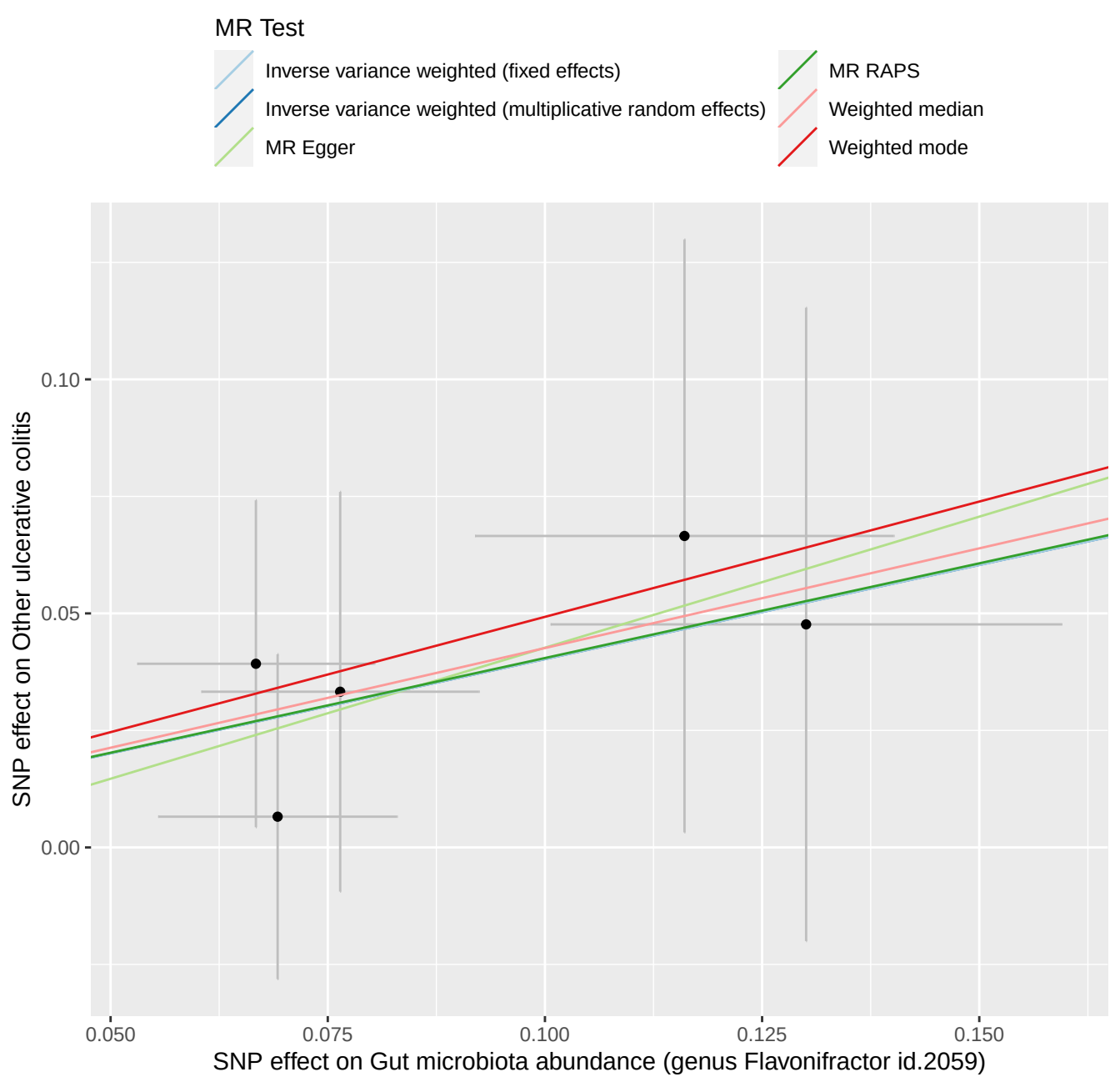

Batch 1279 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

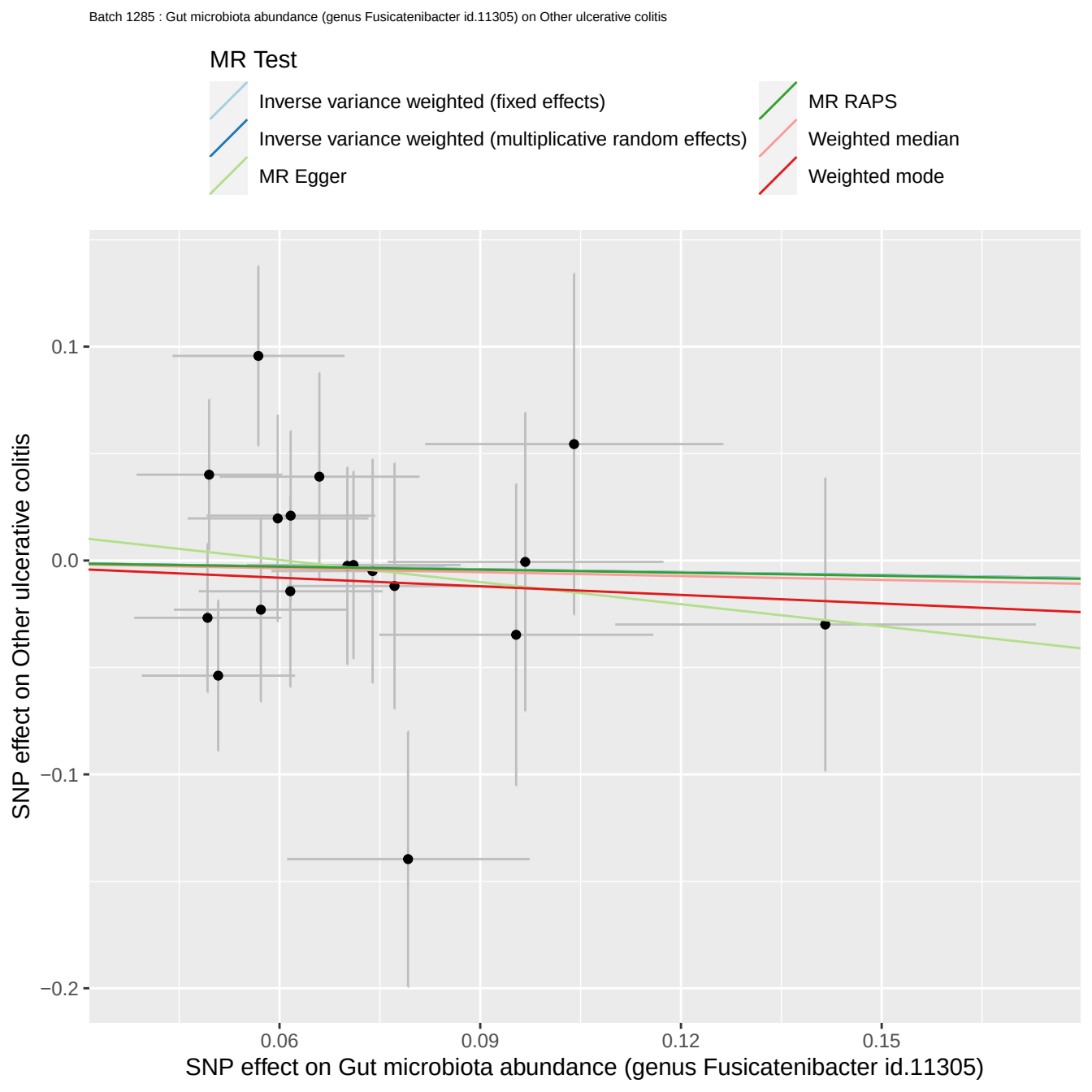

Batch 1280 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

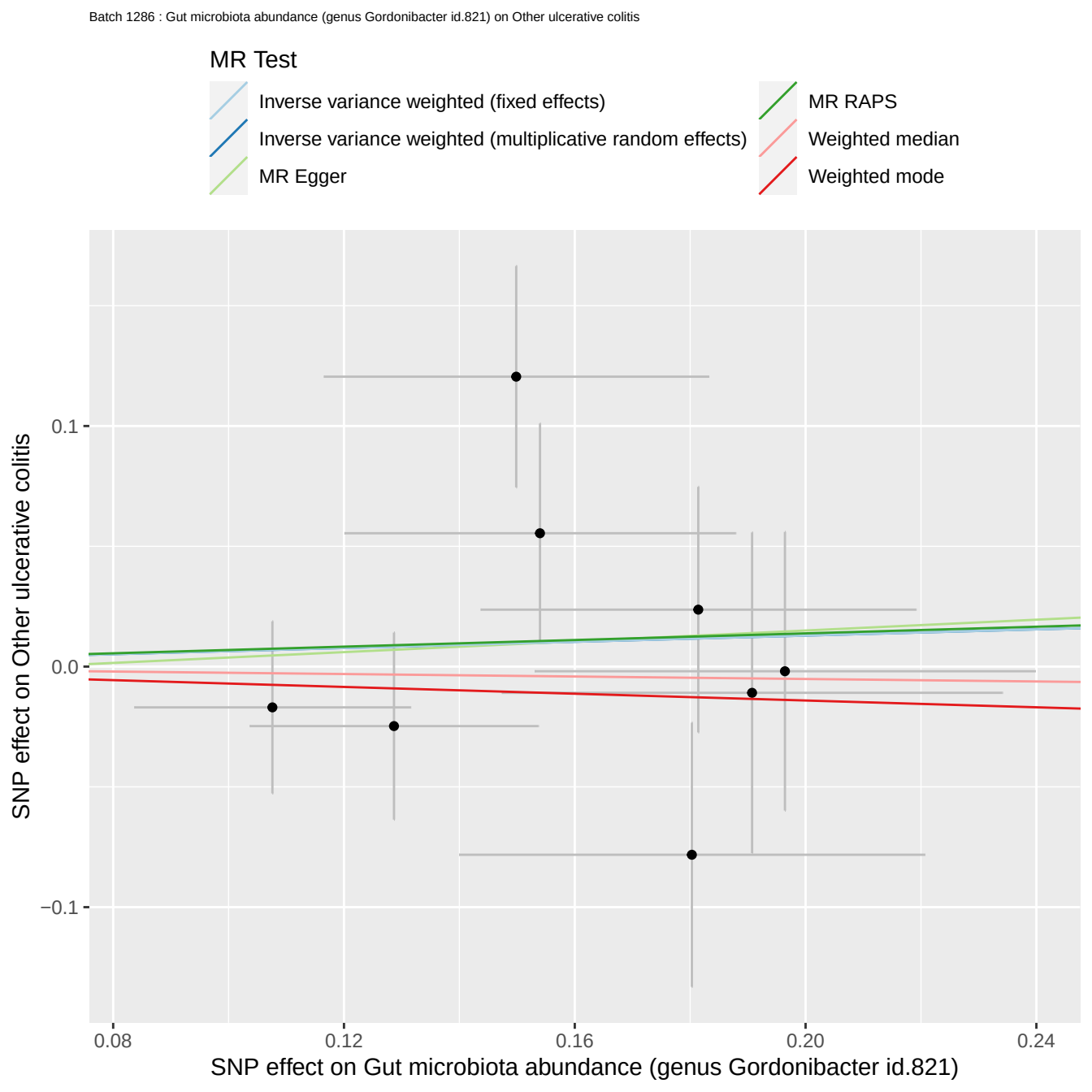

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

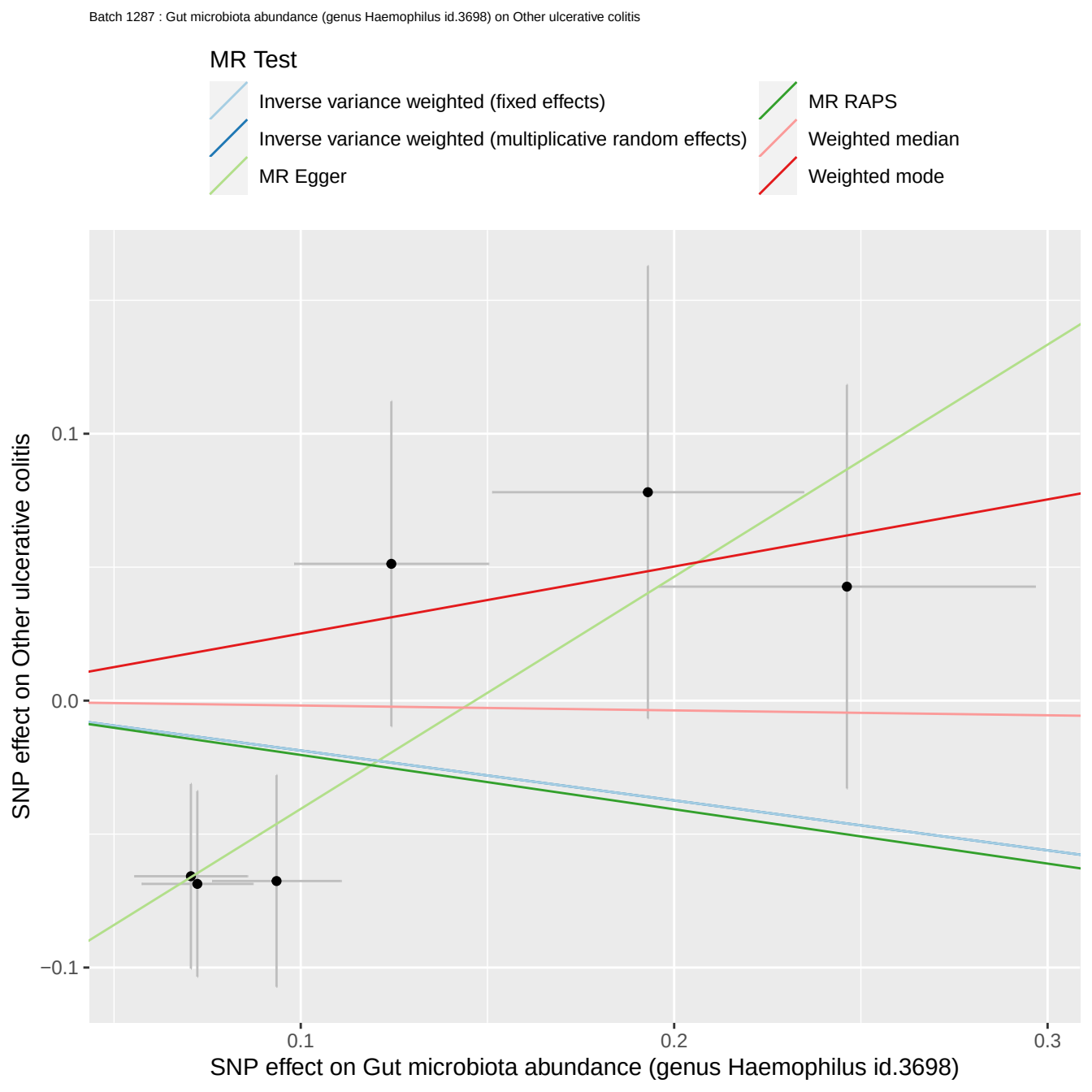
Batch 1282 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)

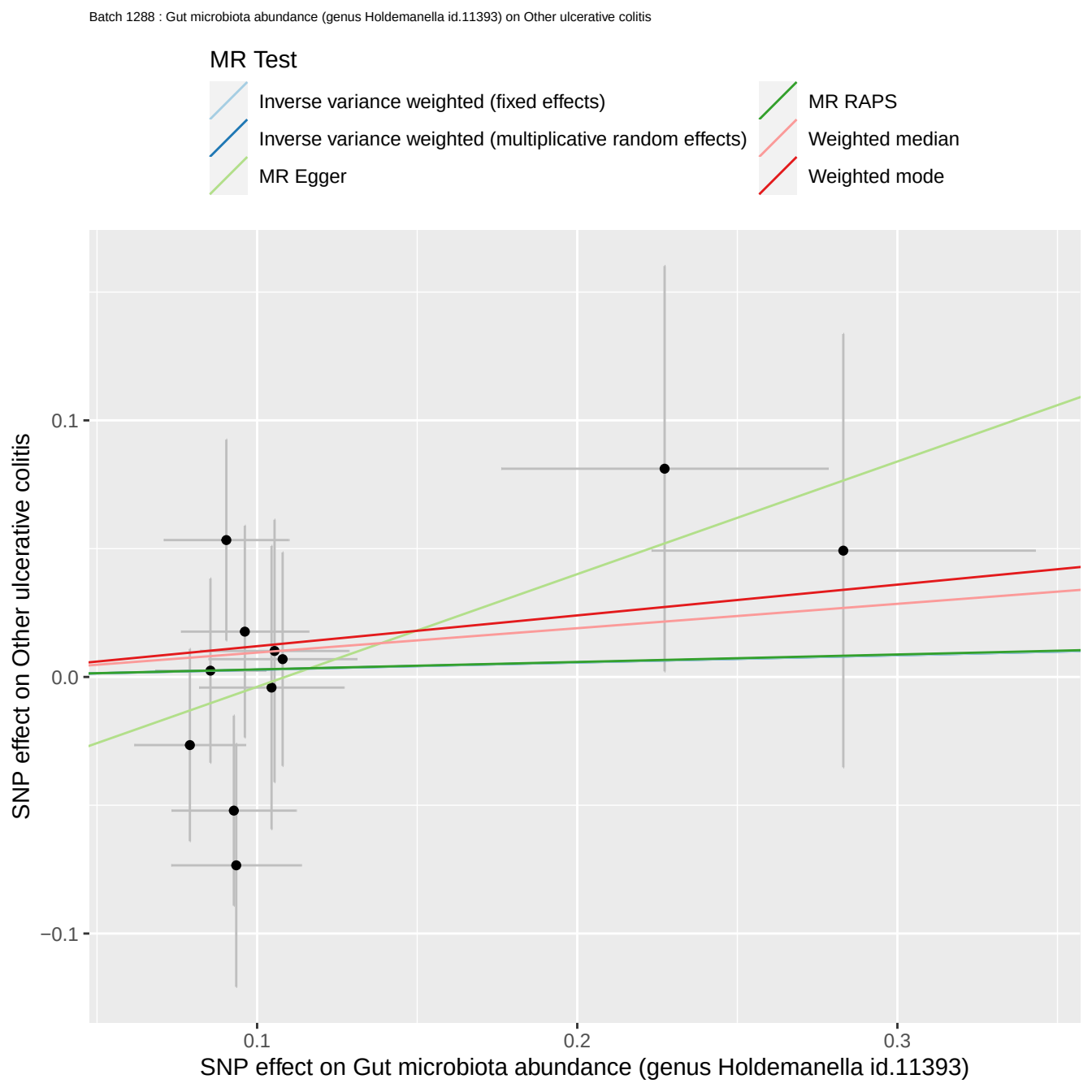

Batch 1283 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

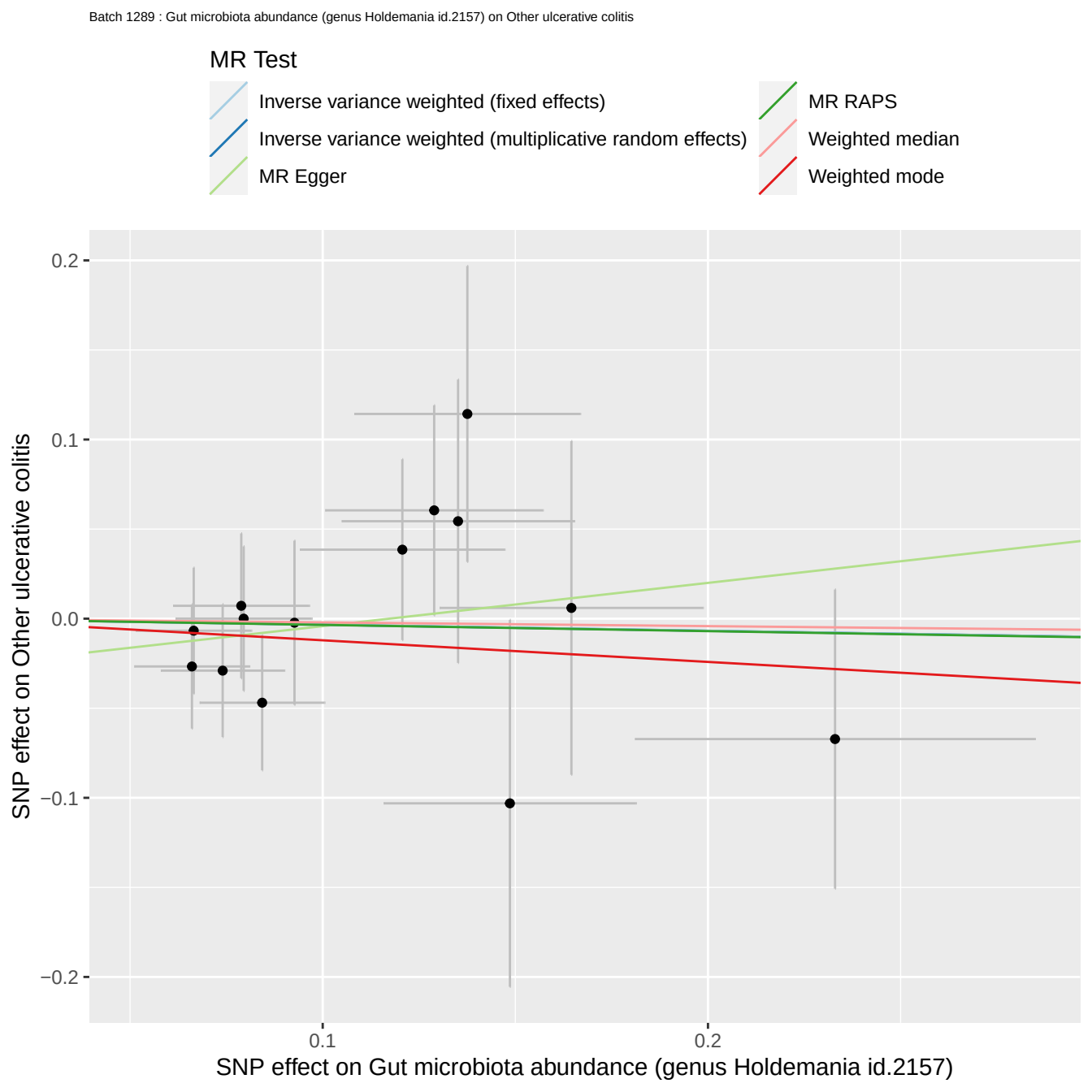

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
SNP effect on Other ulcerative colitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

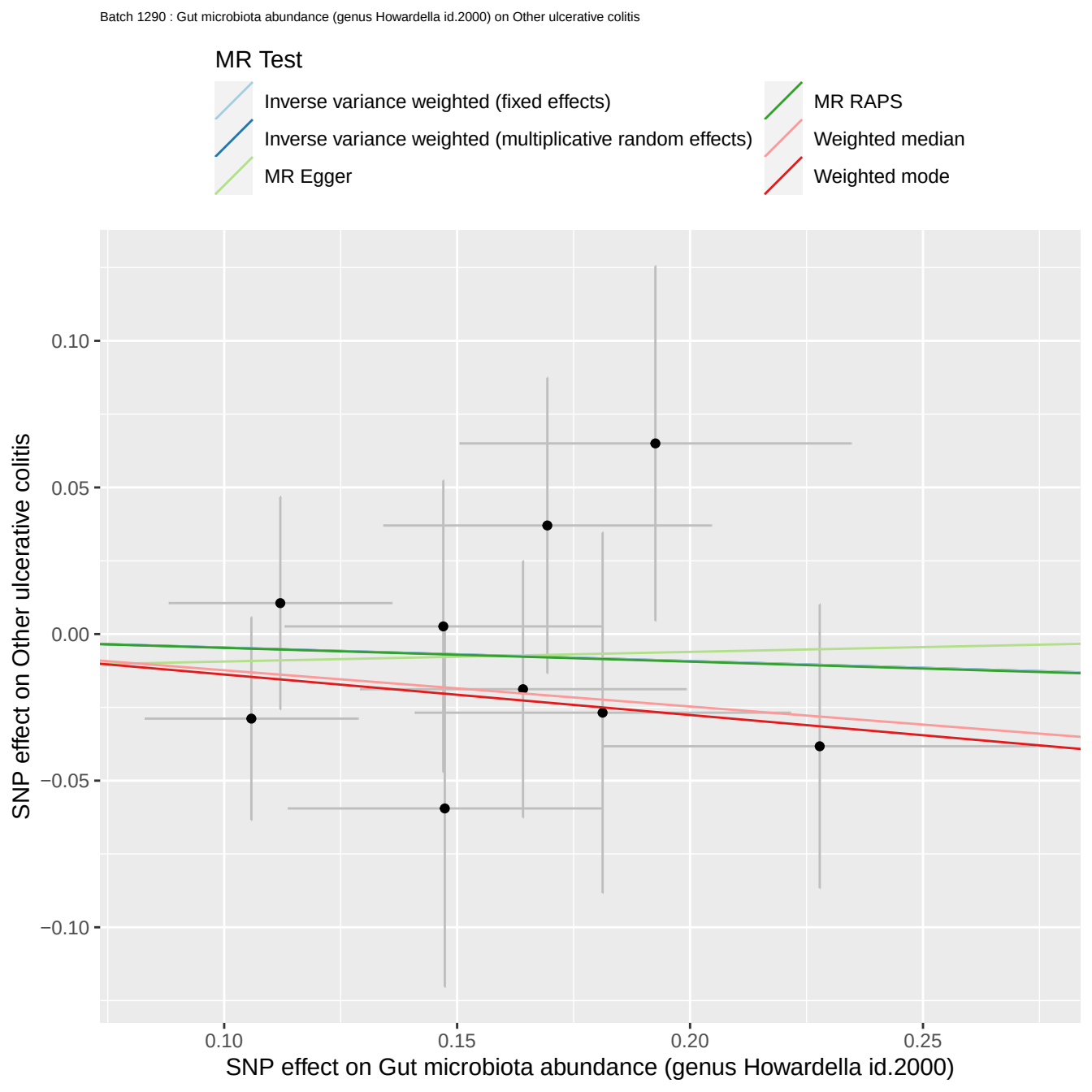

Batch 1285 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

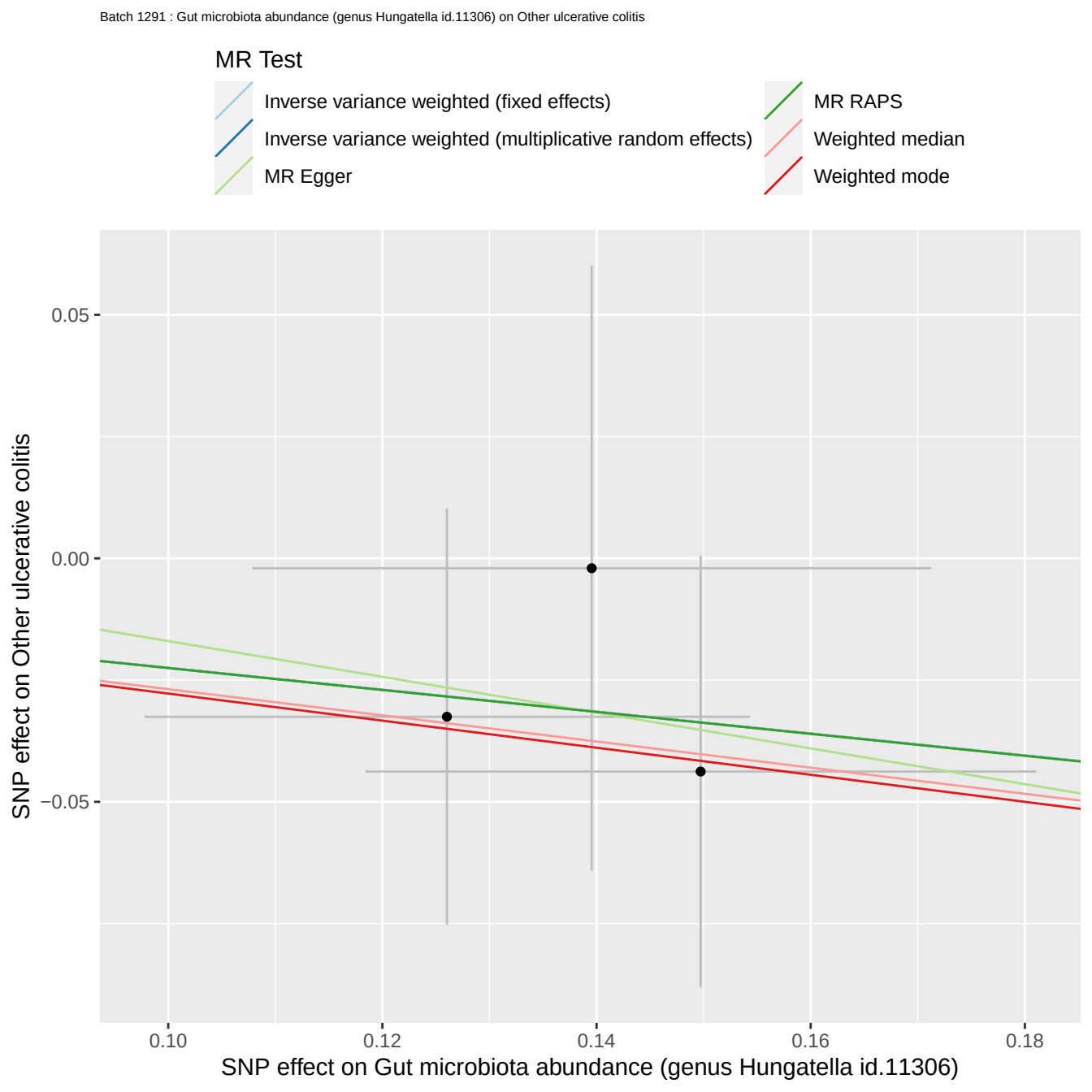

Batch 1286 : Gut microbiota abundance (genus Gordonibacter id.821) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

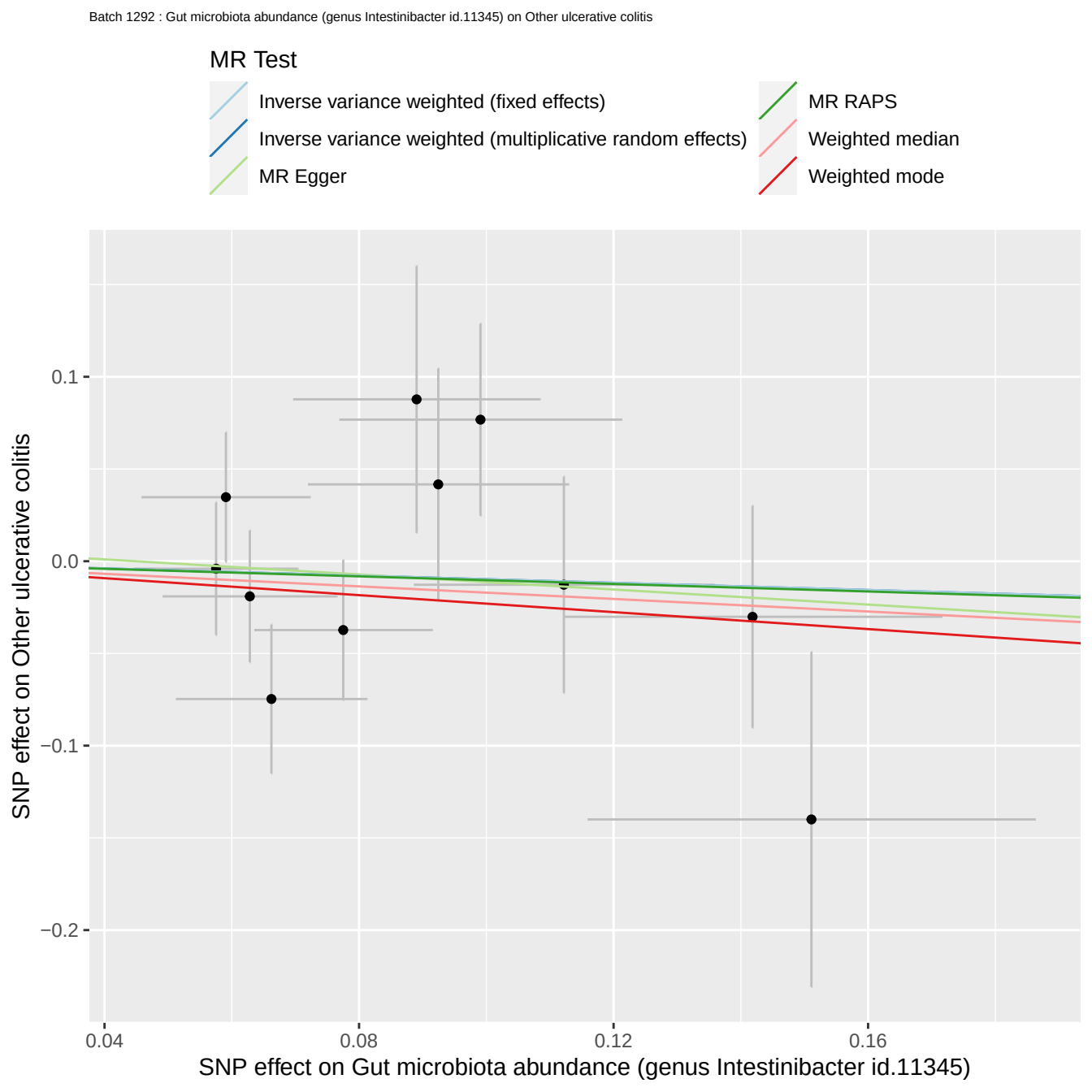

Batch 1287 : Gut microbiota abundance (genus Haemophilus id.3698) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

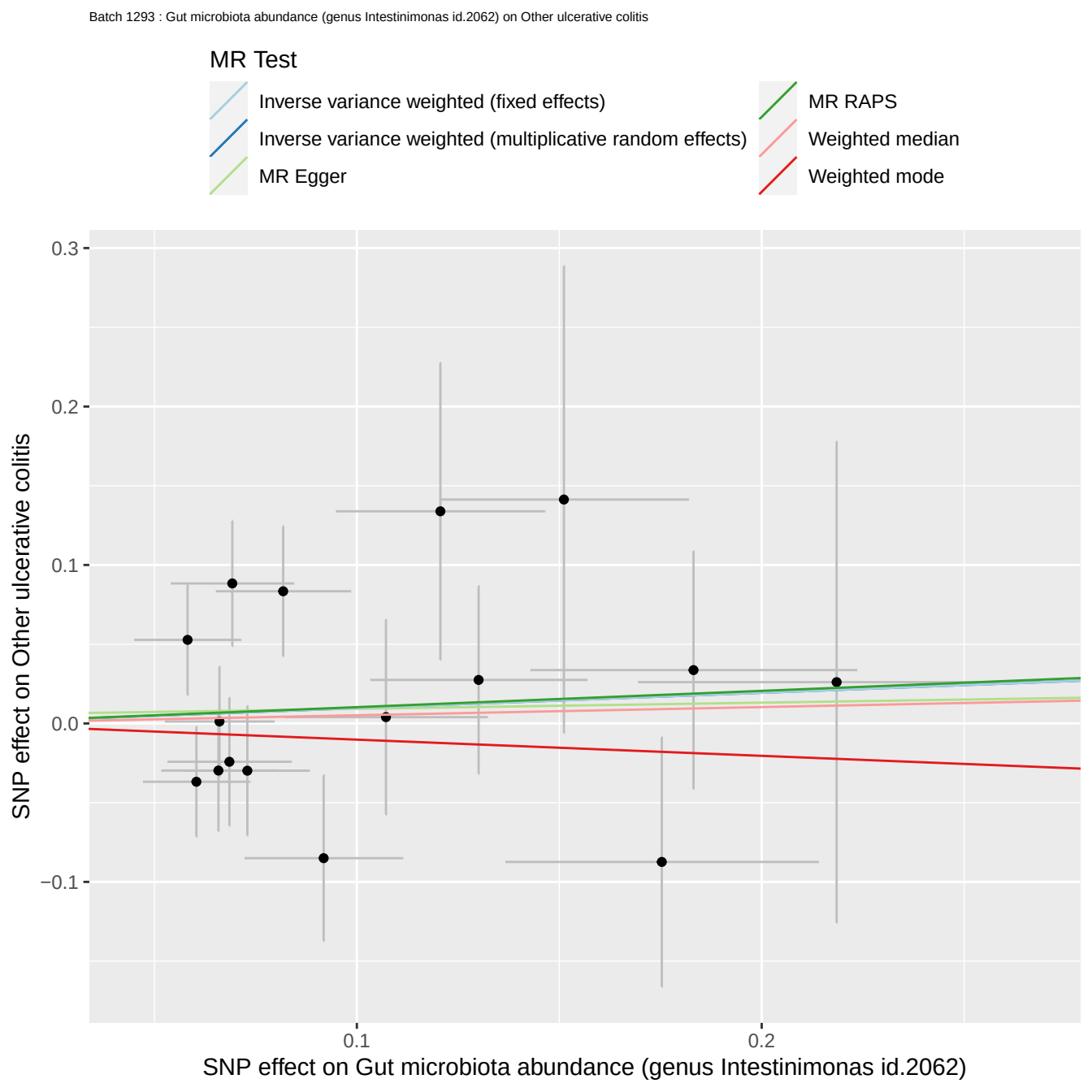

Batch 1288 : Gut microbiota abundance (genus Holdemanella id.11393) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Holdemanella id.11393)

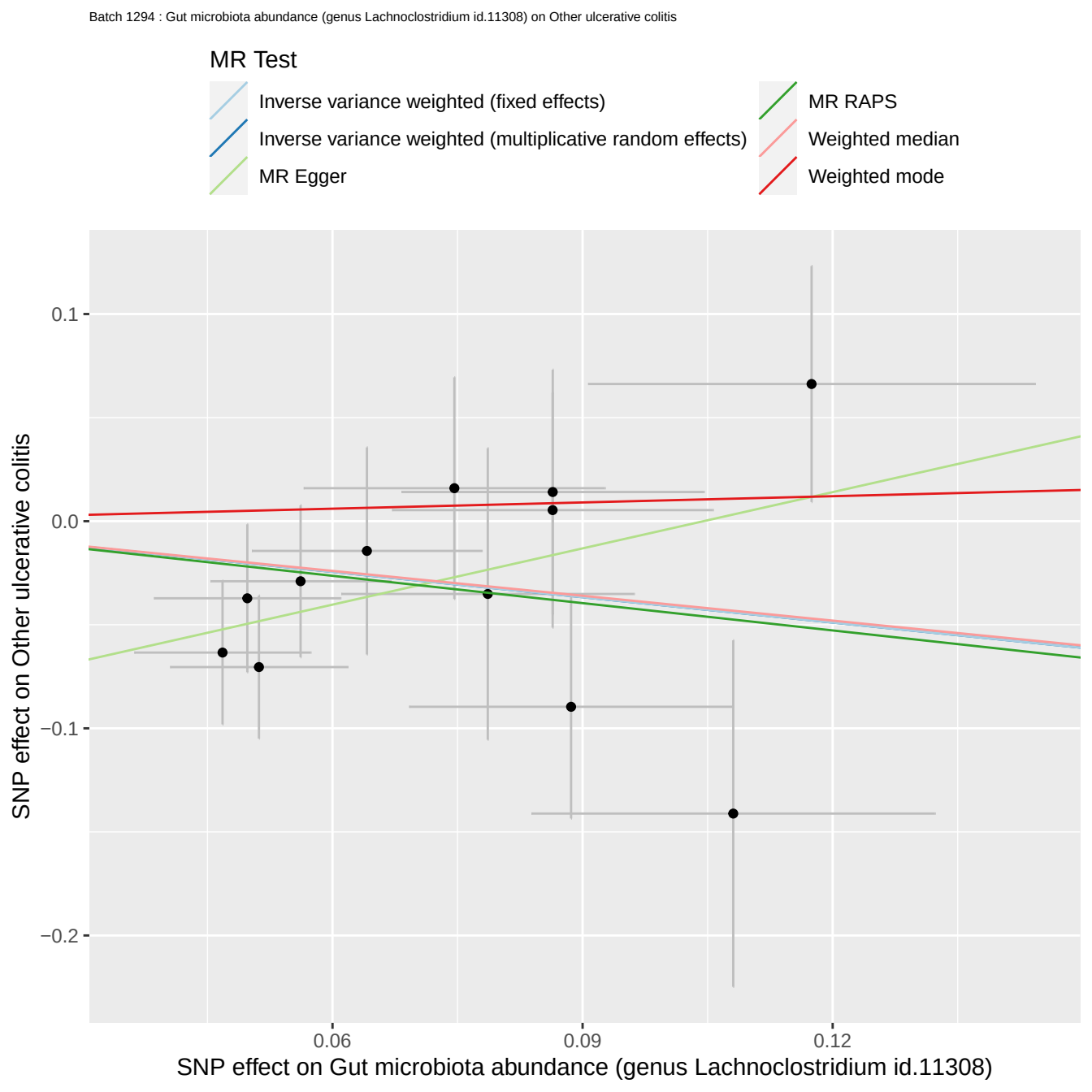

Batch 1289 : Gut microbiota abundance (genus Holdemania id.2157) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

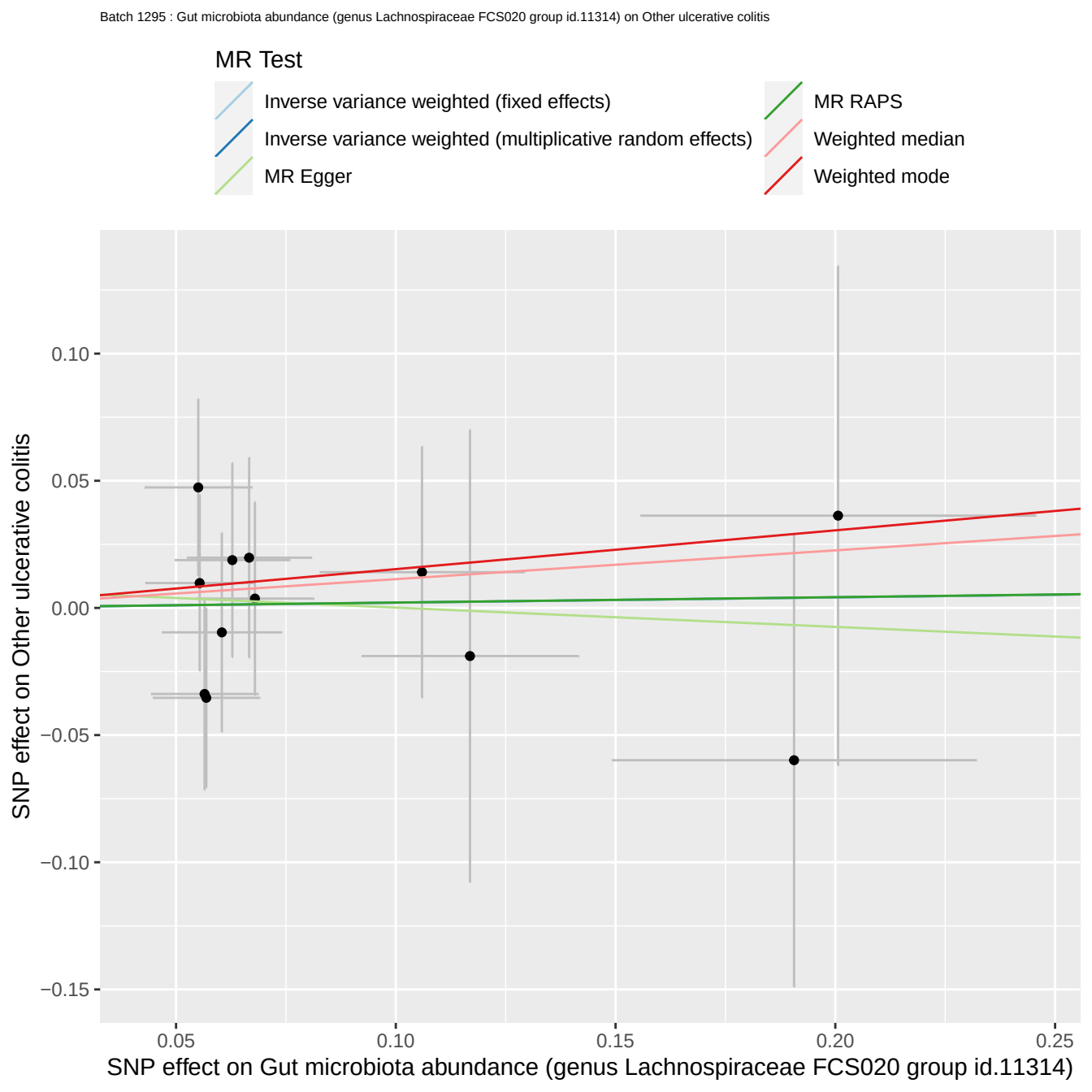

Batch 1290 : Gut microbiota abundance (genus Howardella id.2000) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

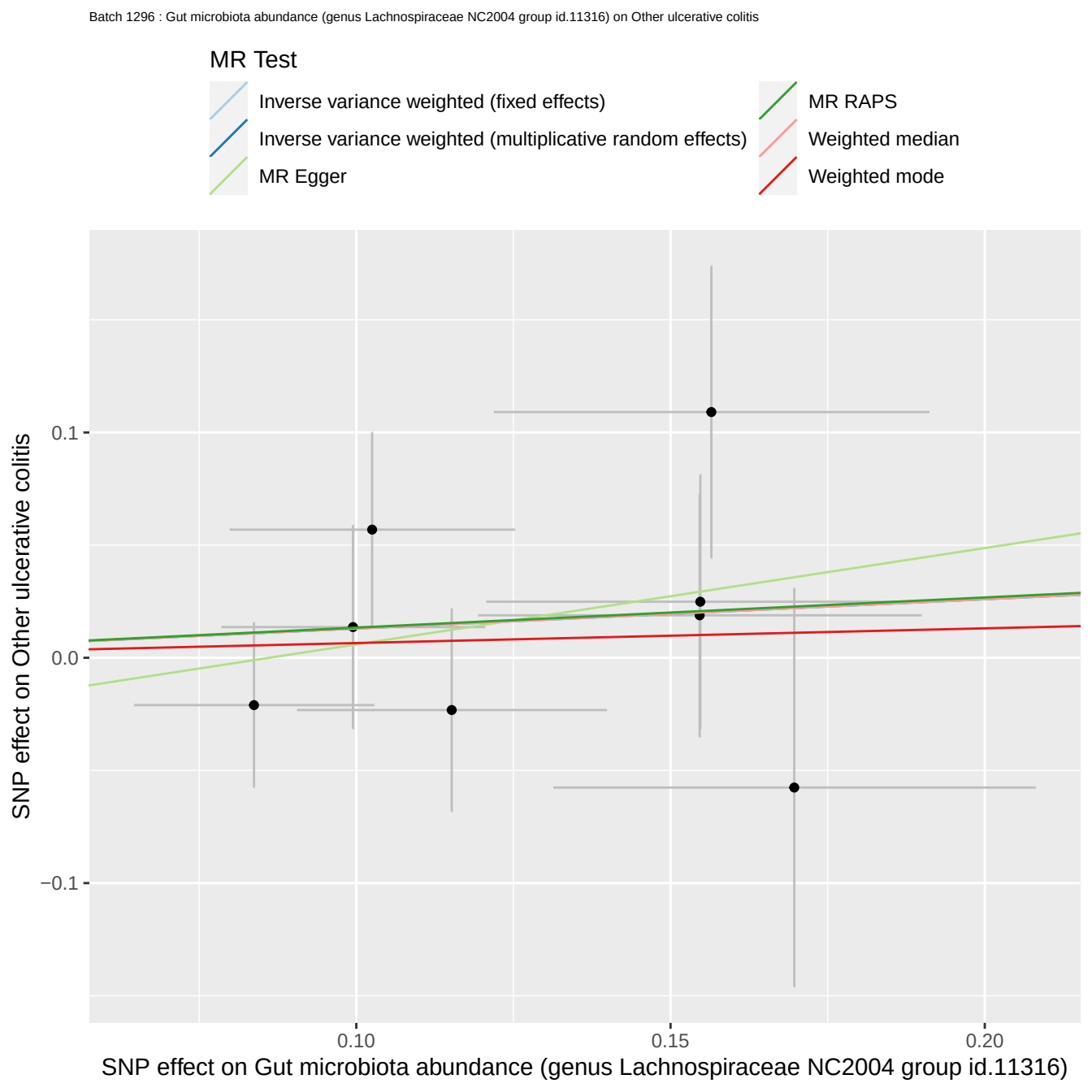

Batch 1291 : Gut microbiota abundance (genus Hungatella id.11306) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)


Batch 1292 : Gut microbiota abundance (genus Intestinibacter id.11345) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)


Batch 1293 : Gut microbiota abundance (genus Intestinimonas id.2062) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

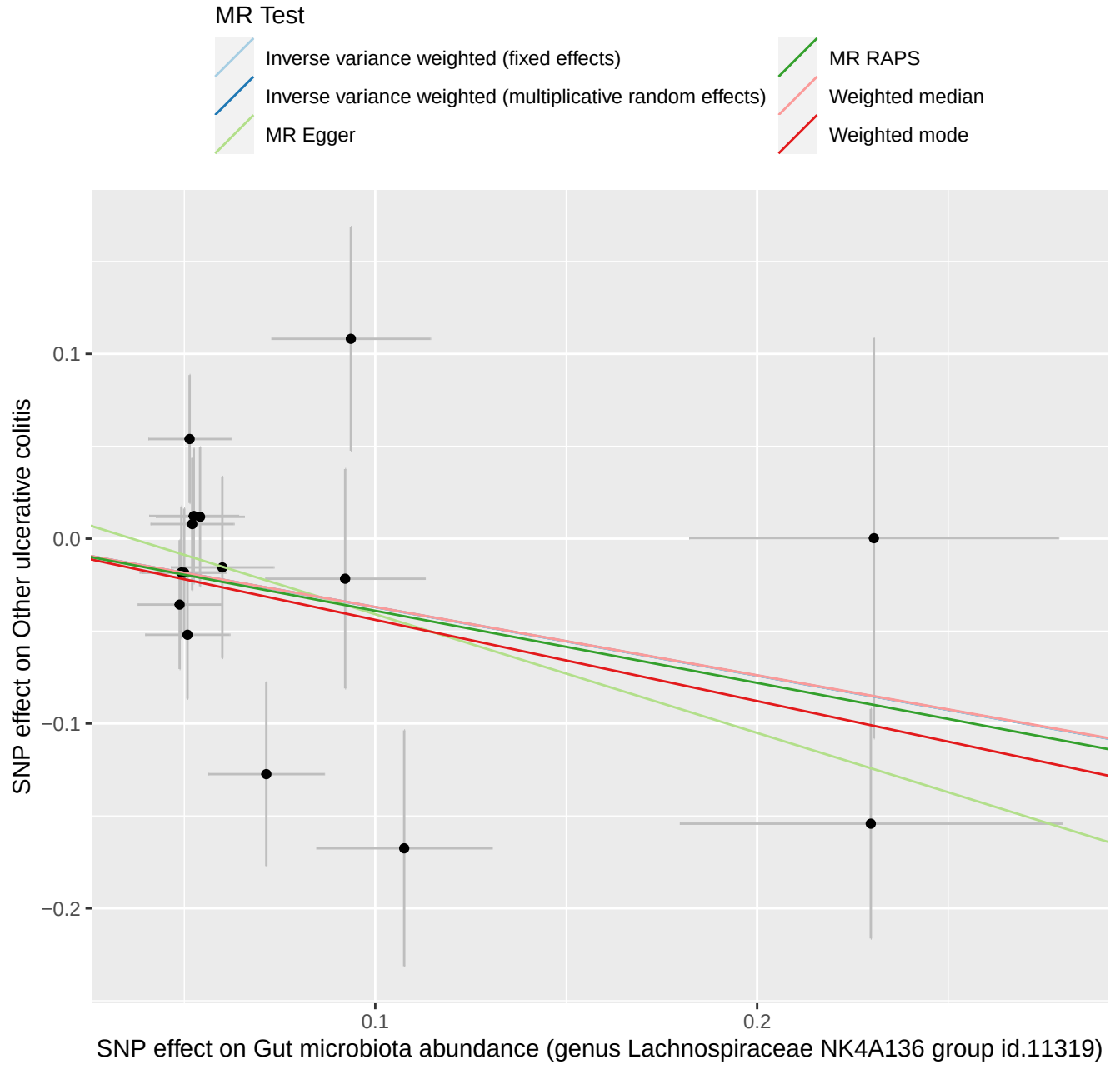

Batch 1294 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (genus Lachnoclostridium id.11308)

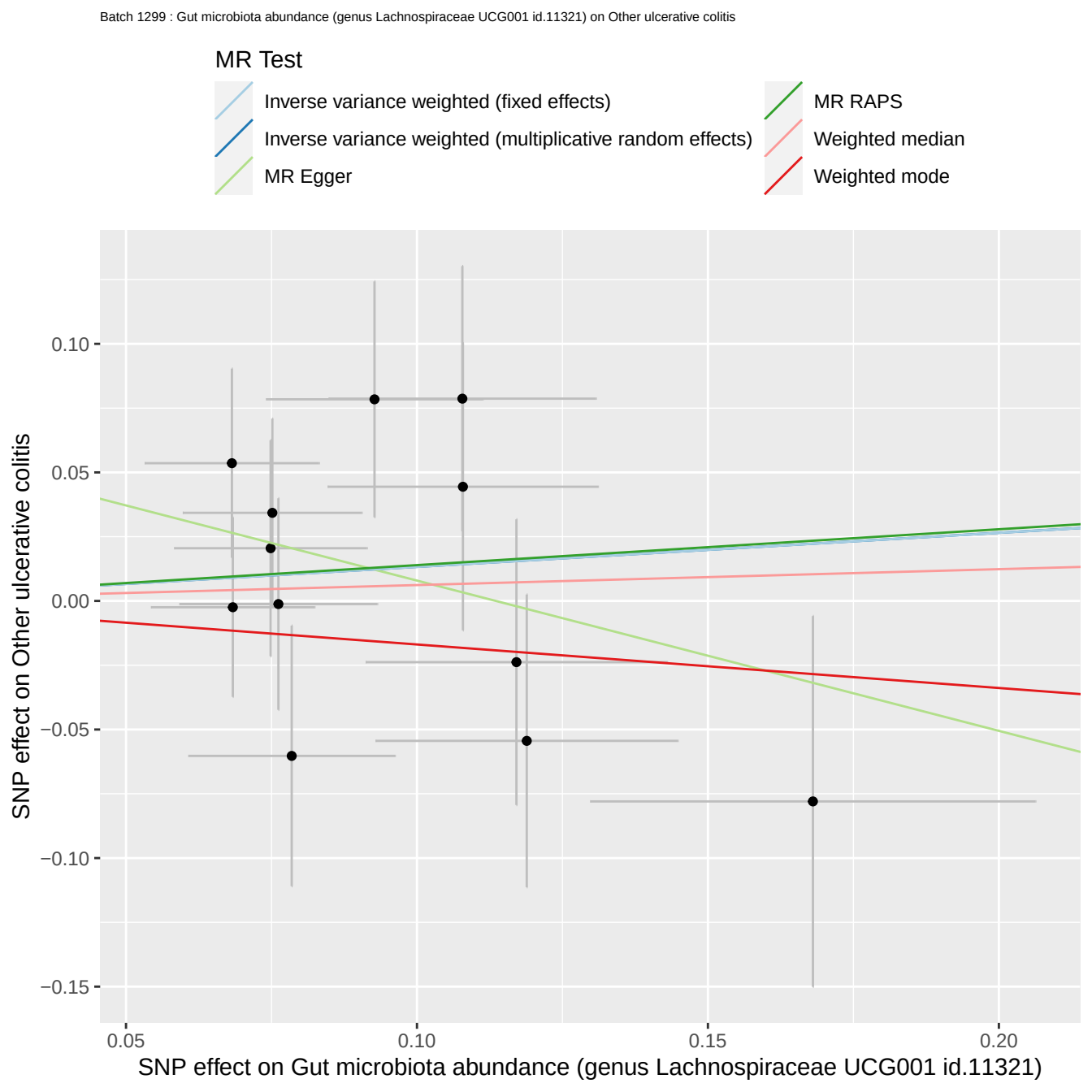

Batch 1295 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

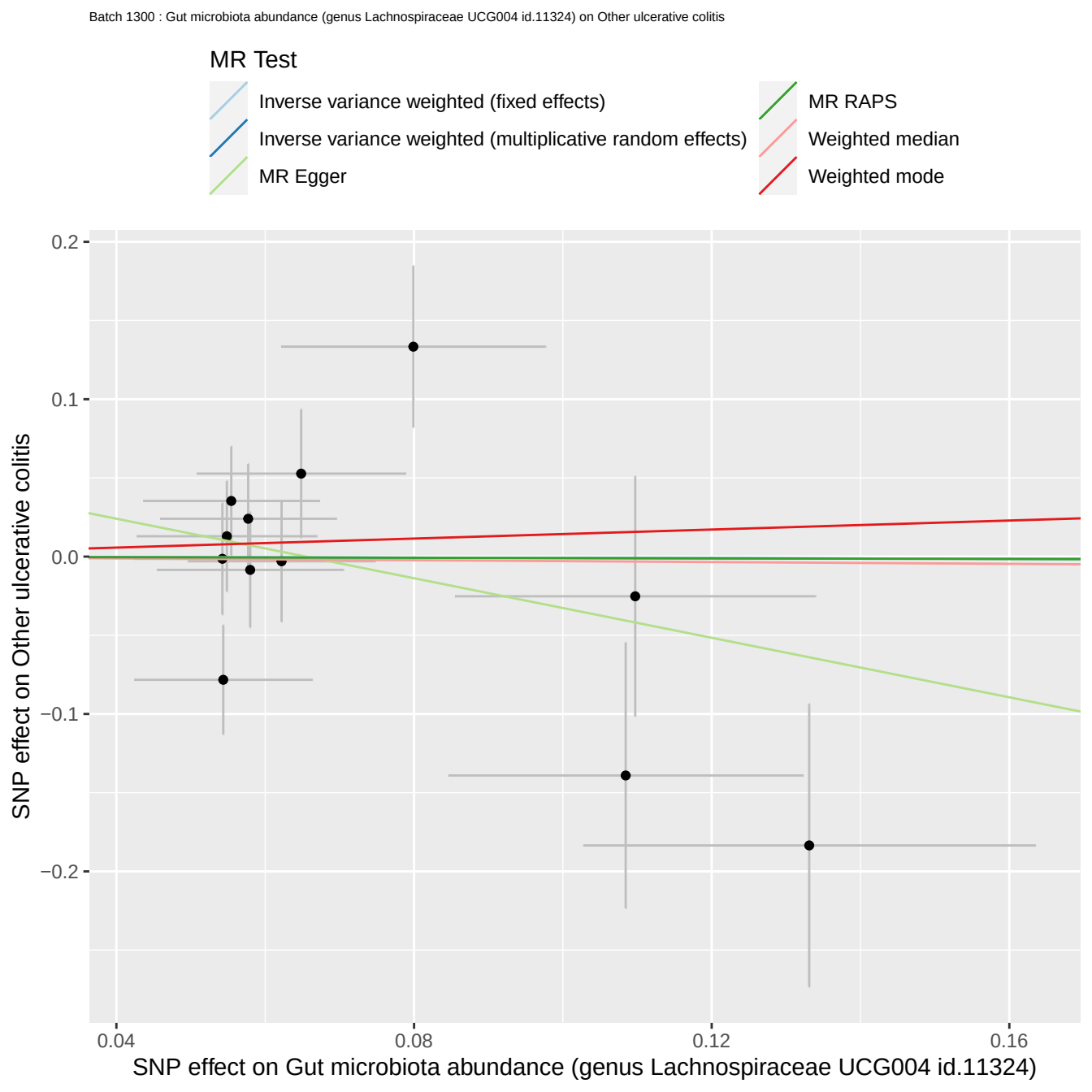

Batch 1296 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)

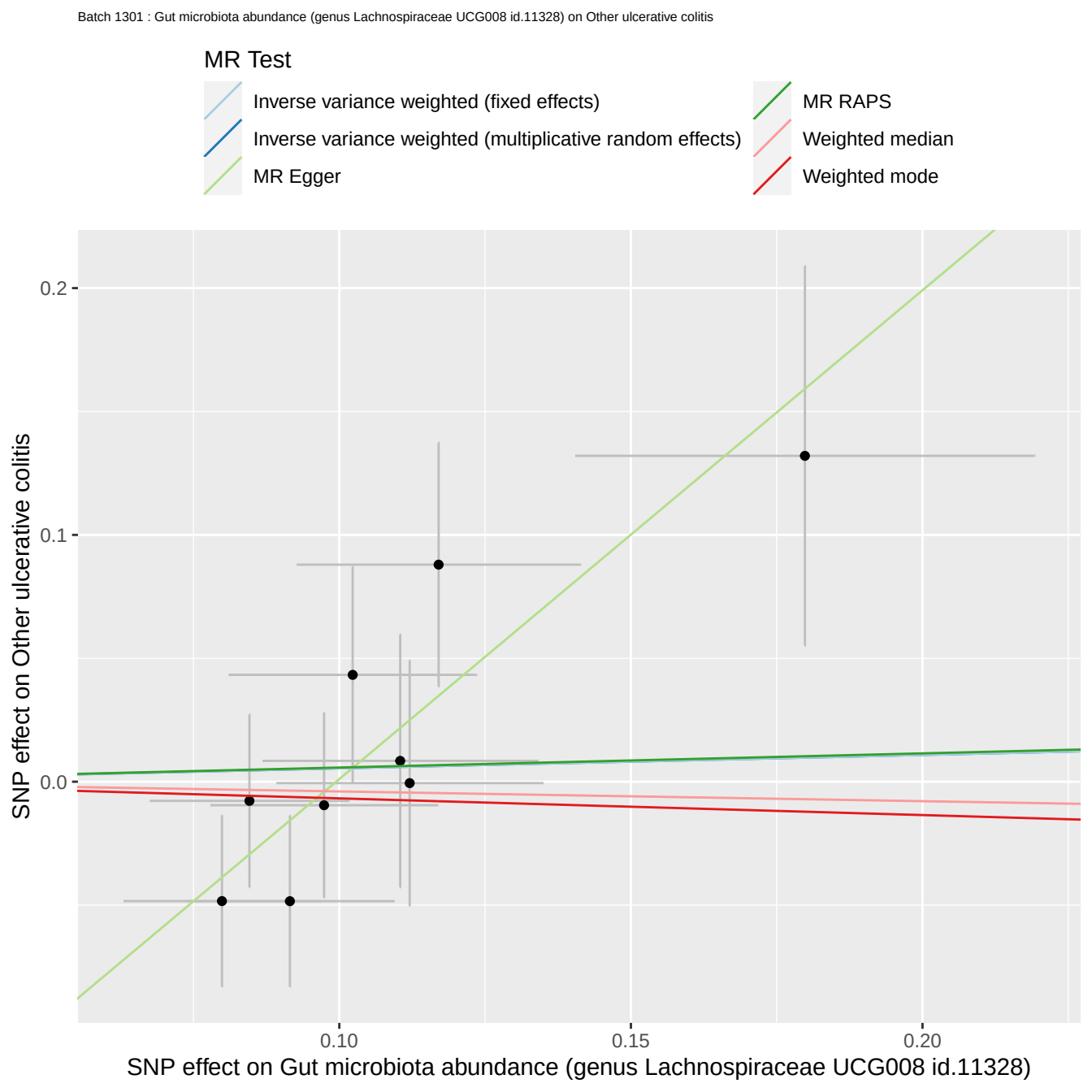
Insufficient number of SNPs

Batch 1298 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Other ulcerative colitis

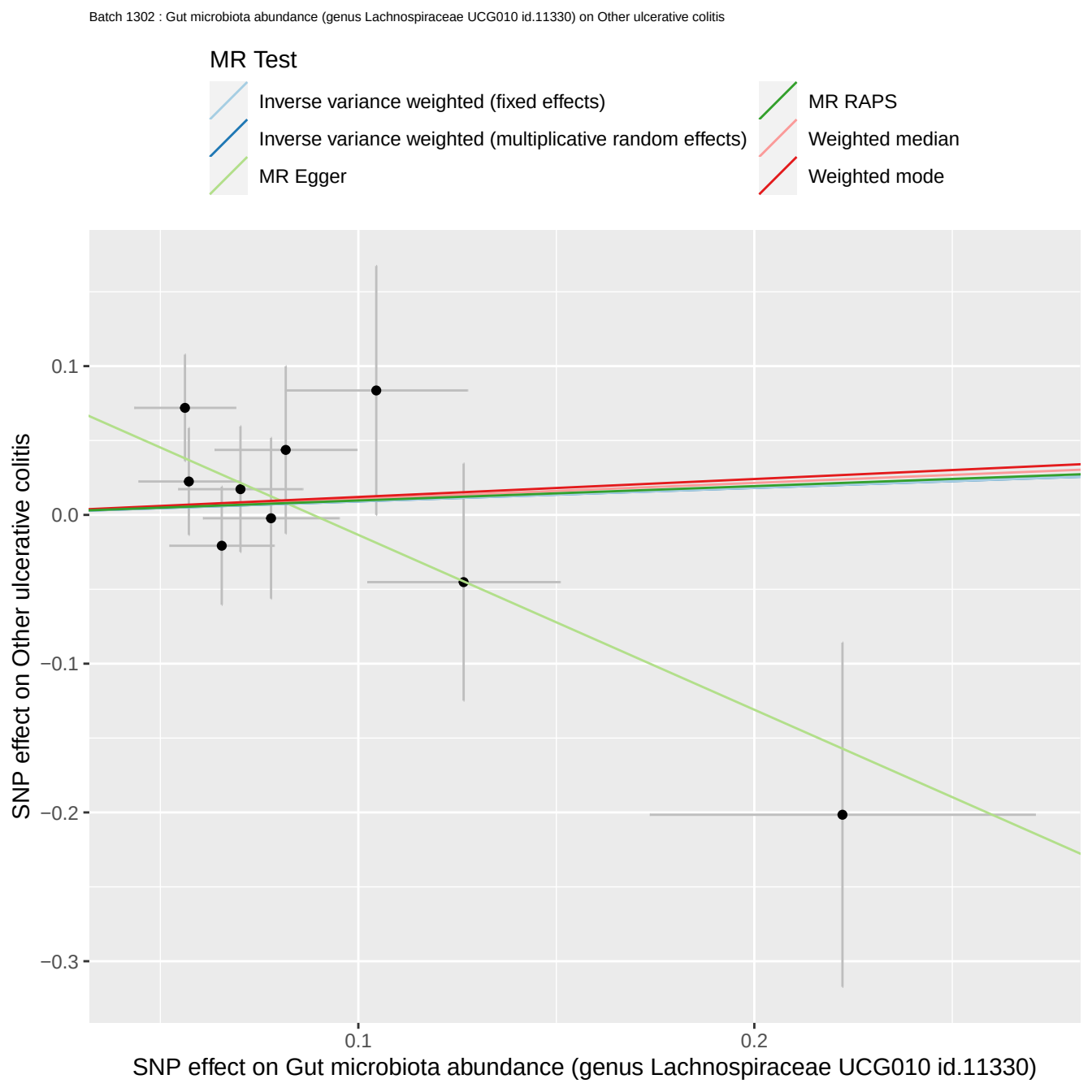



Batch 1299 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)

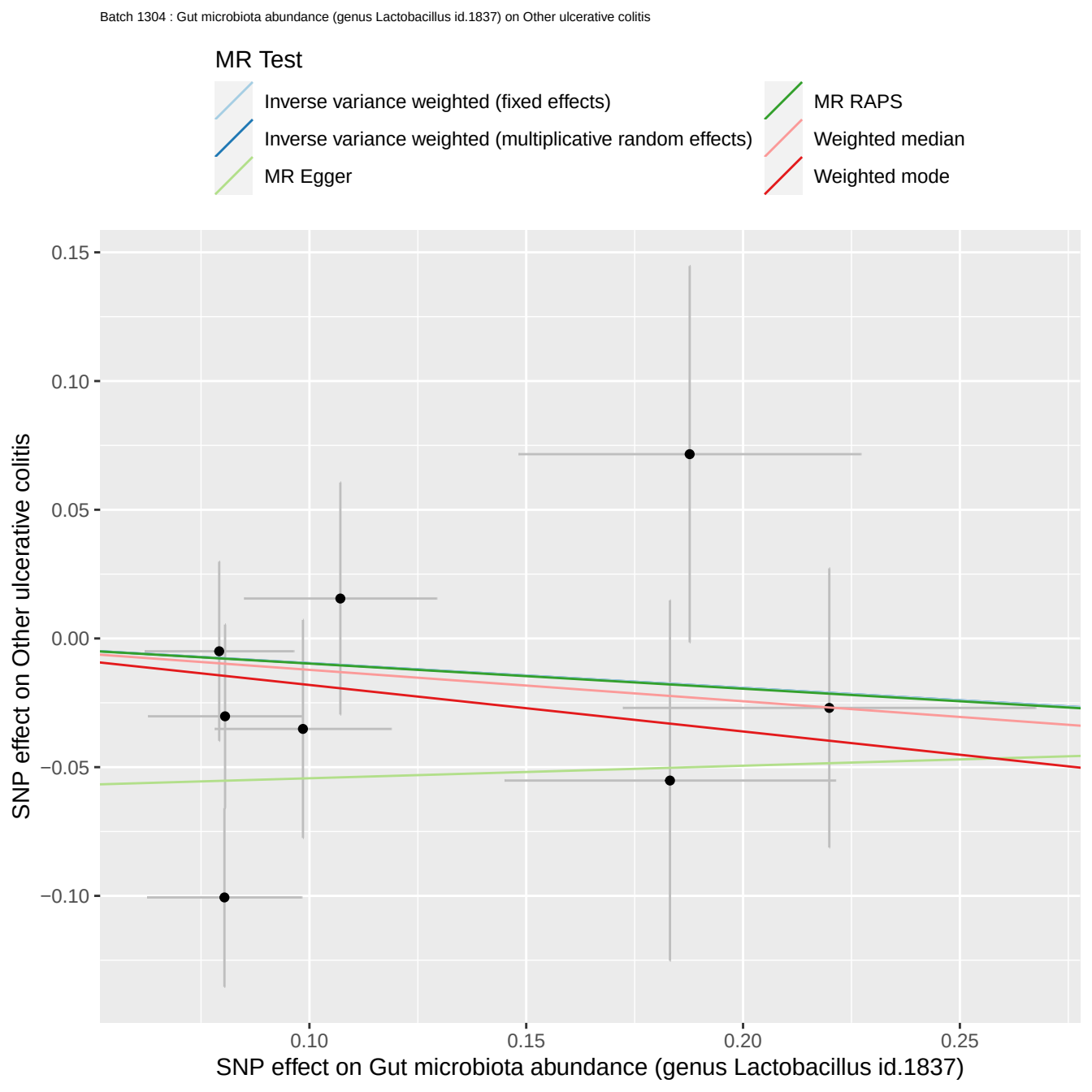

Batch 1300 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

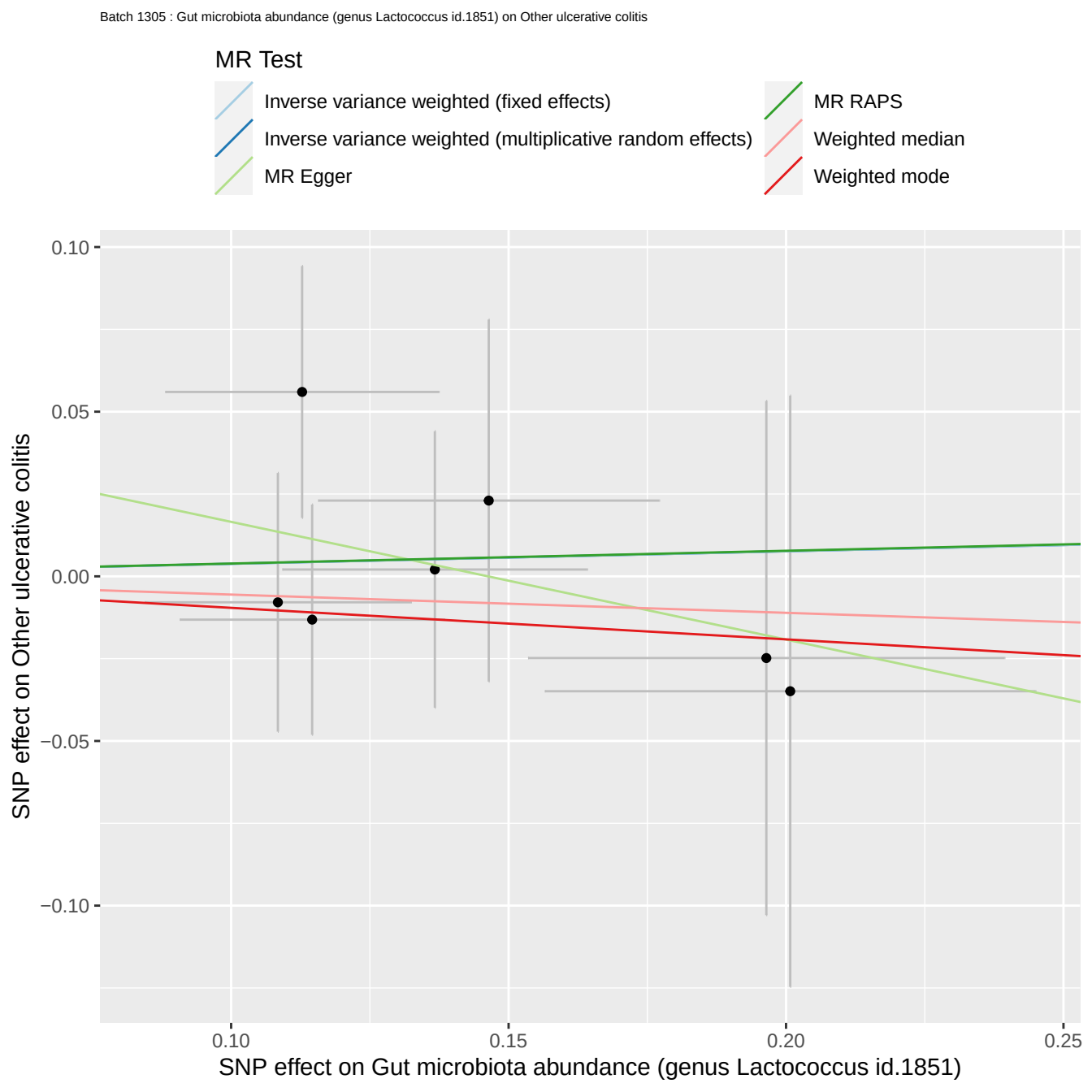

Batch 1301 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

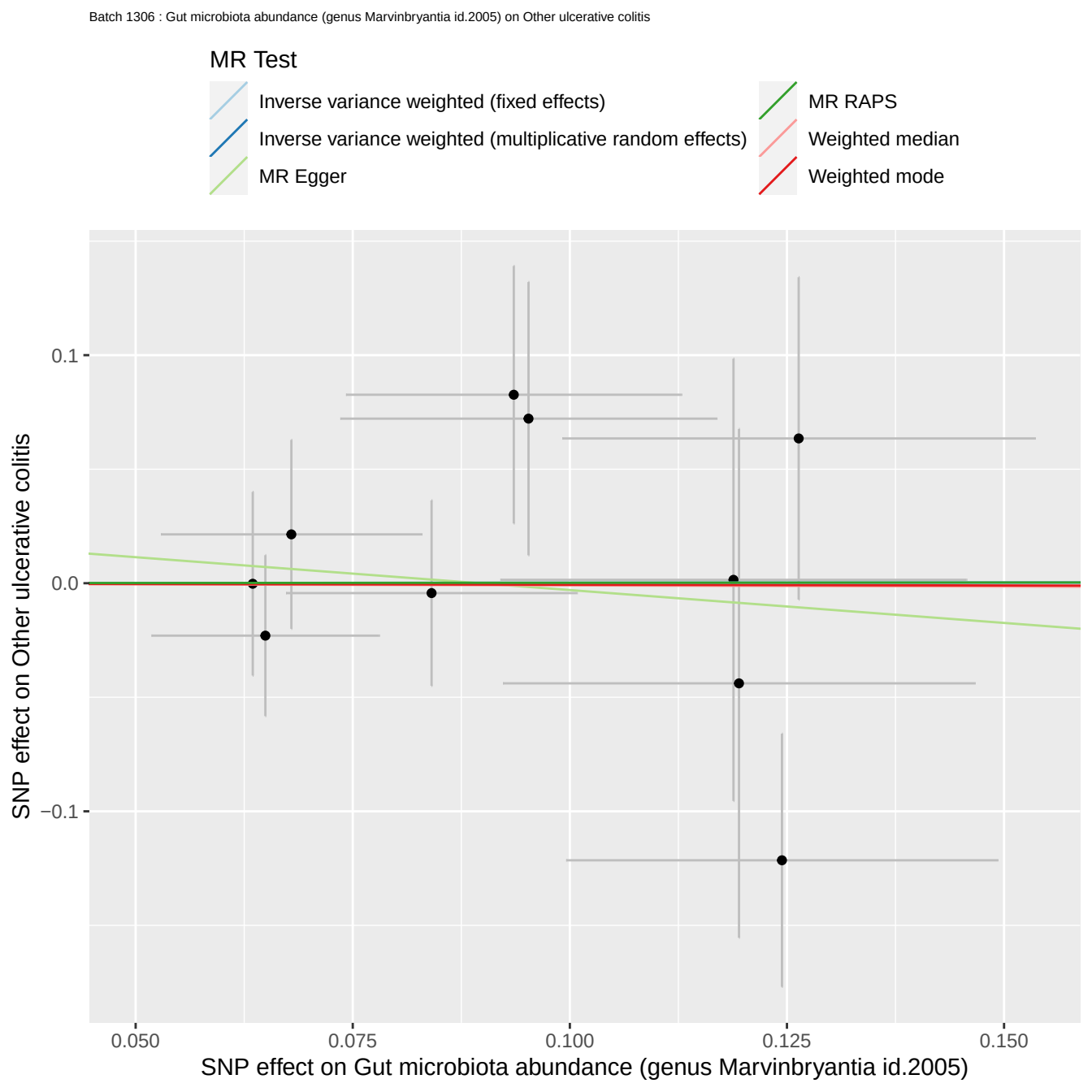
Batch 1302 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Other ulcerative colitis

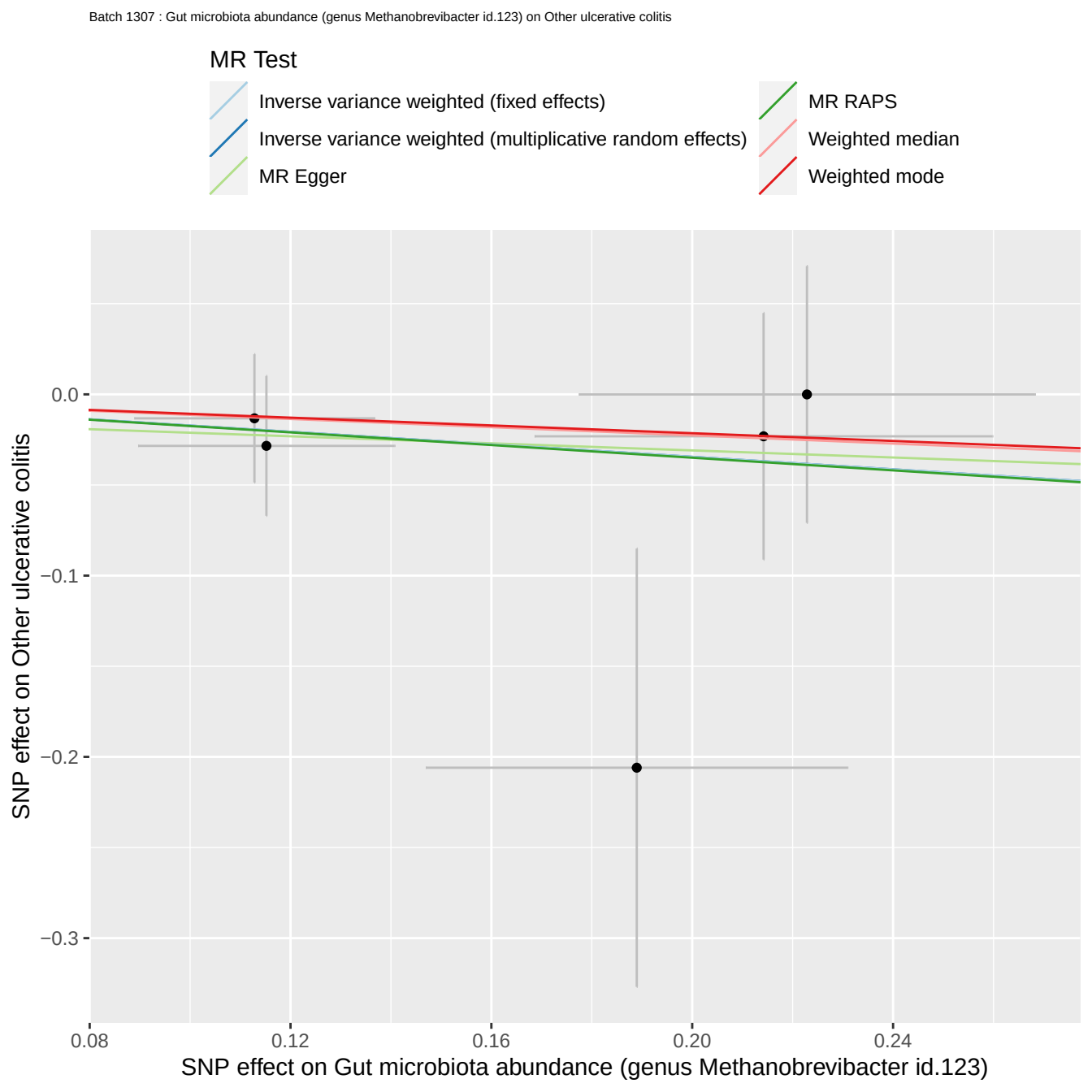


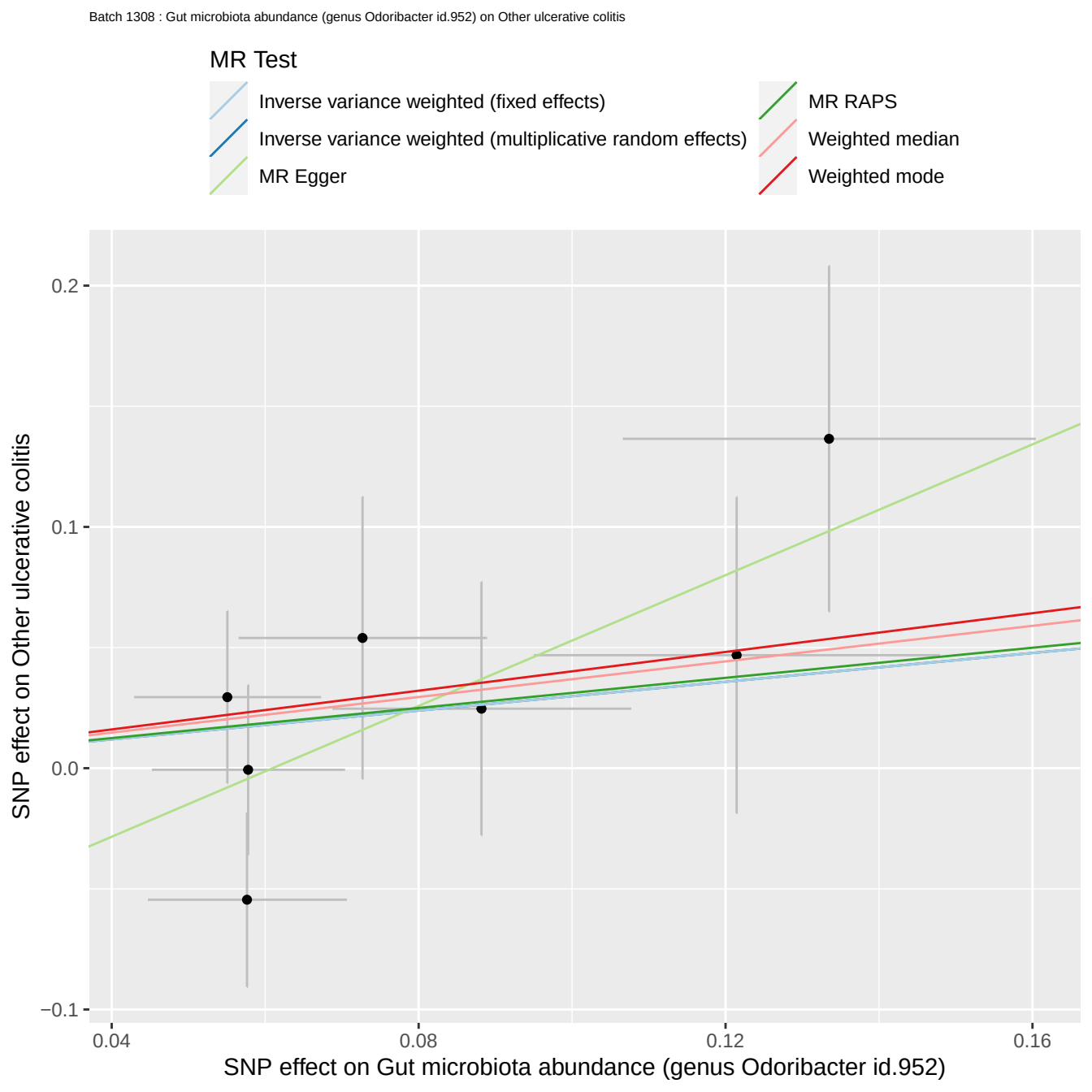
Insufficient number of SNPs

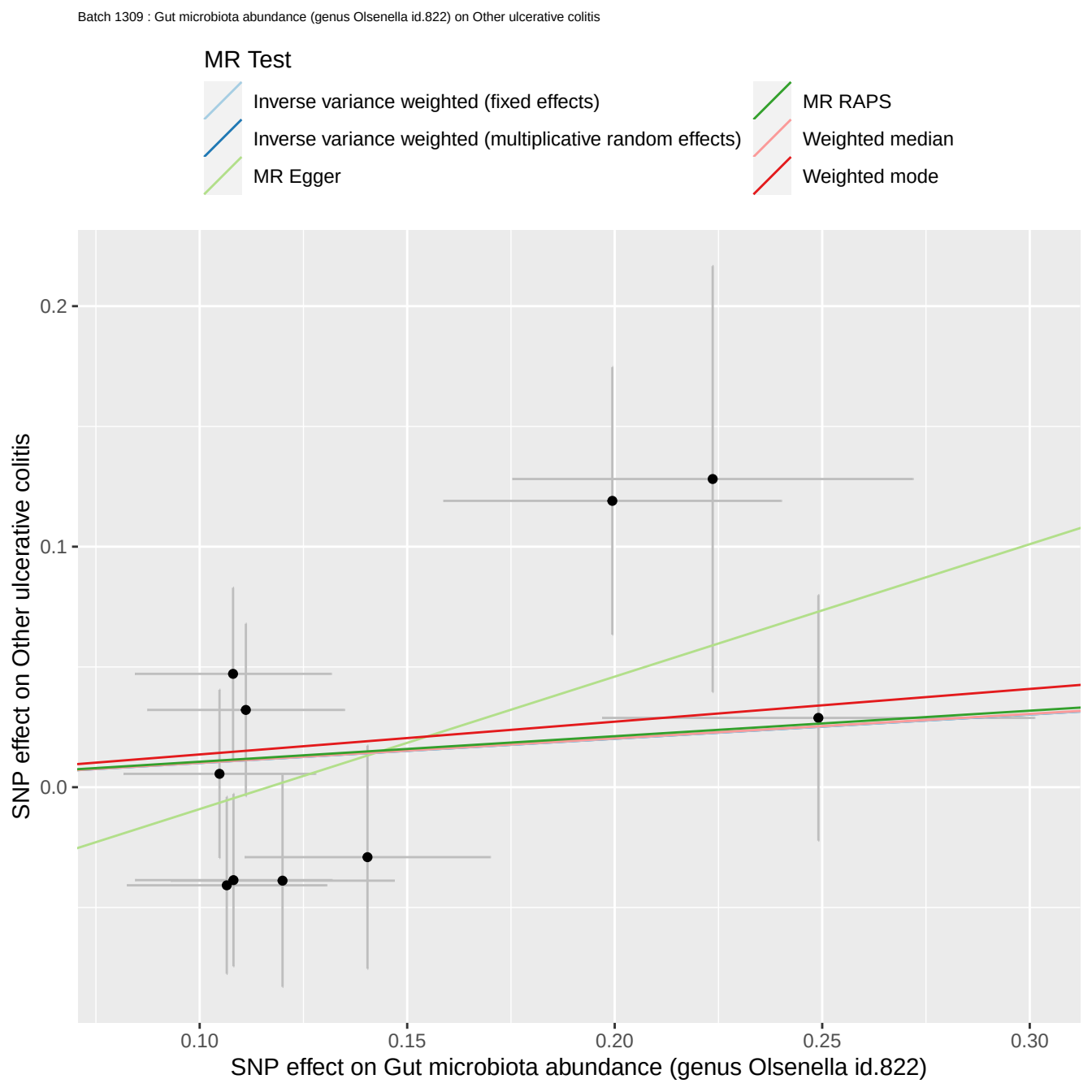

Batch 1304 : Gut microbiota abundance (genus Lactobacillus id.1837) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

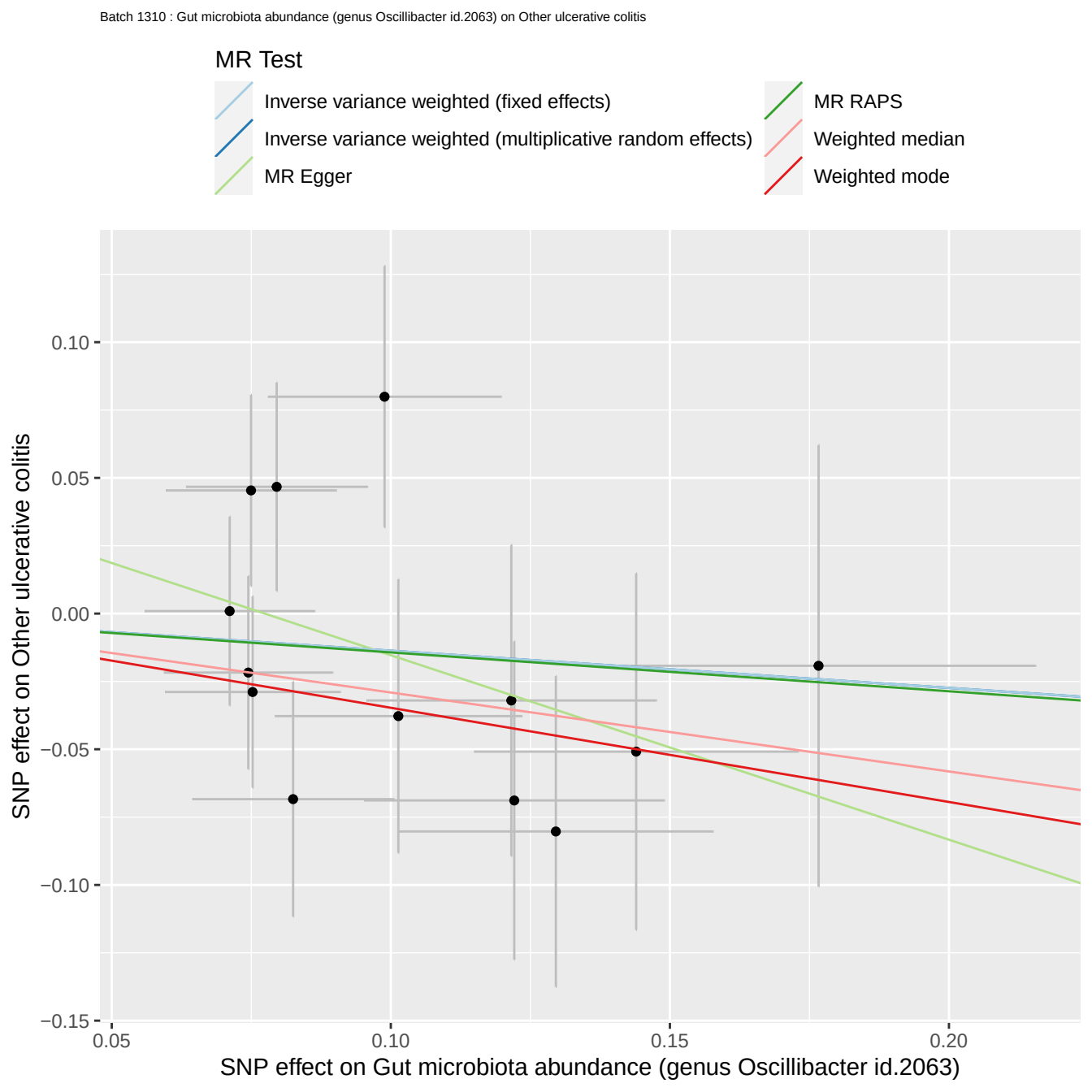

Batch 1305 : Gut microbiota abundance (genus Lactococcus id.1851) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

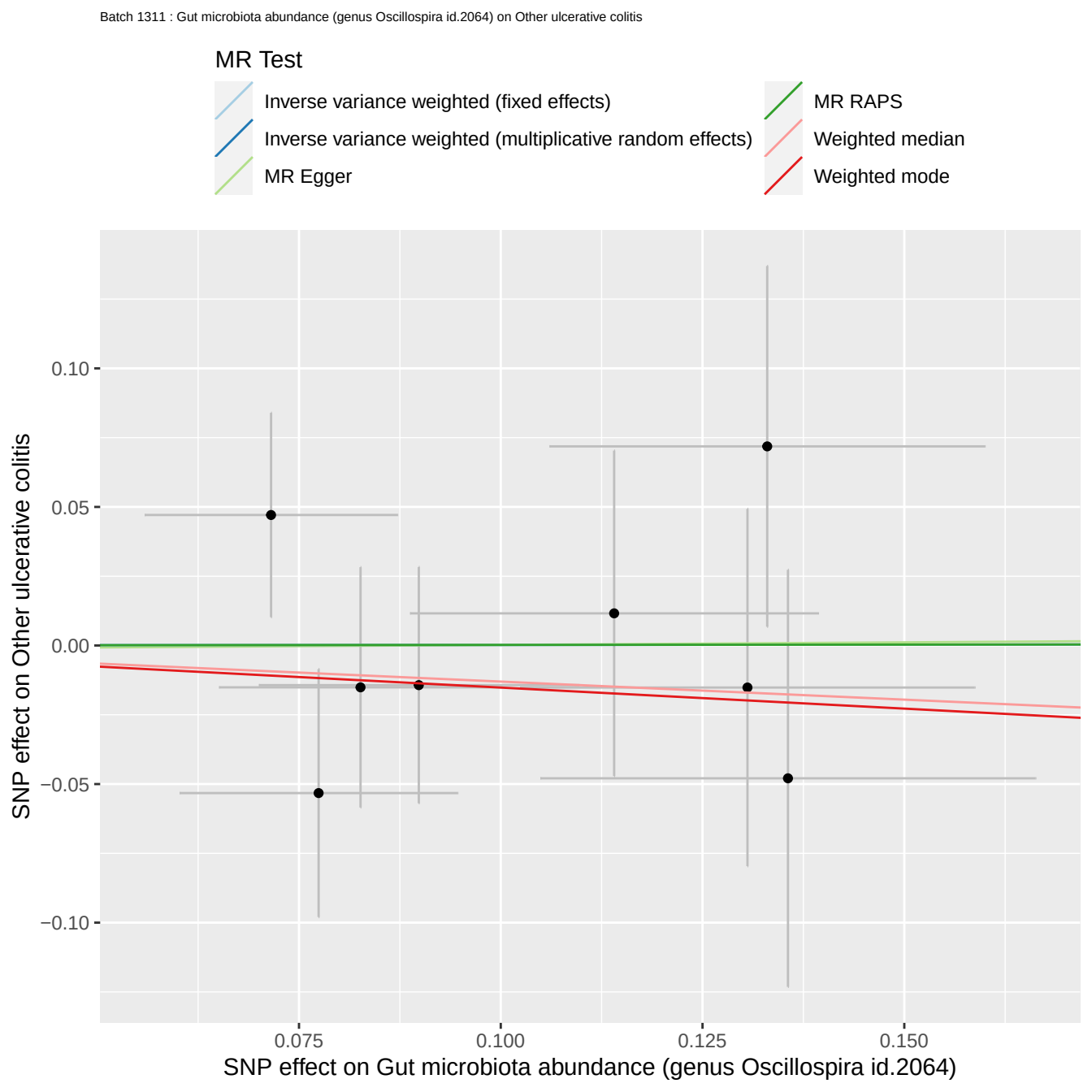

Batch 1306 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

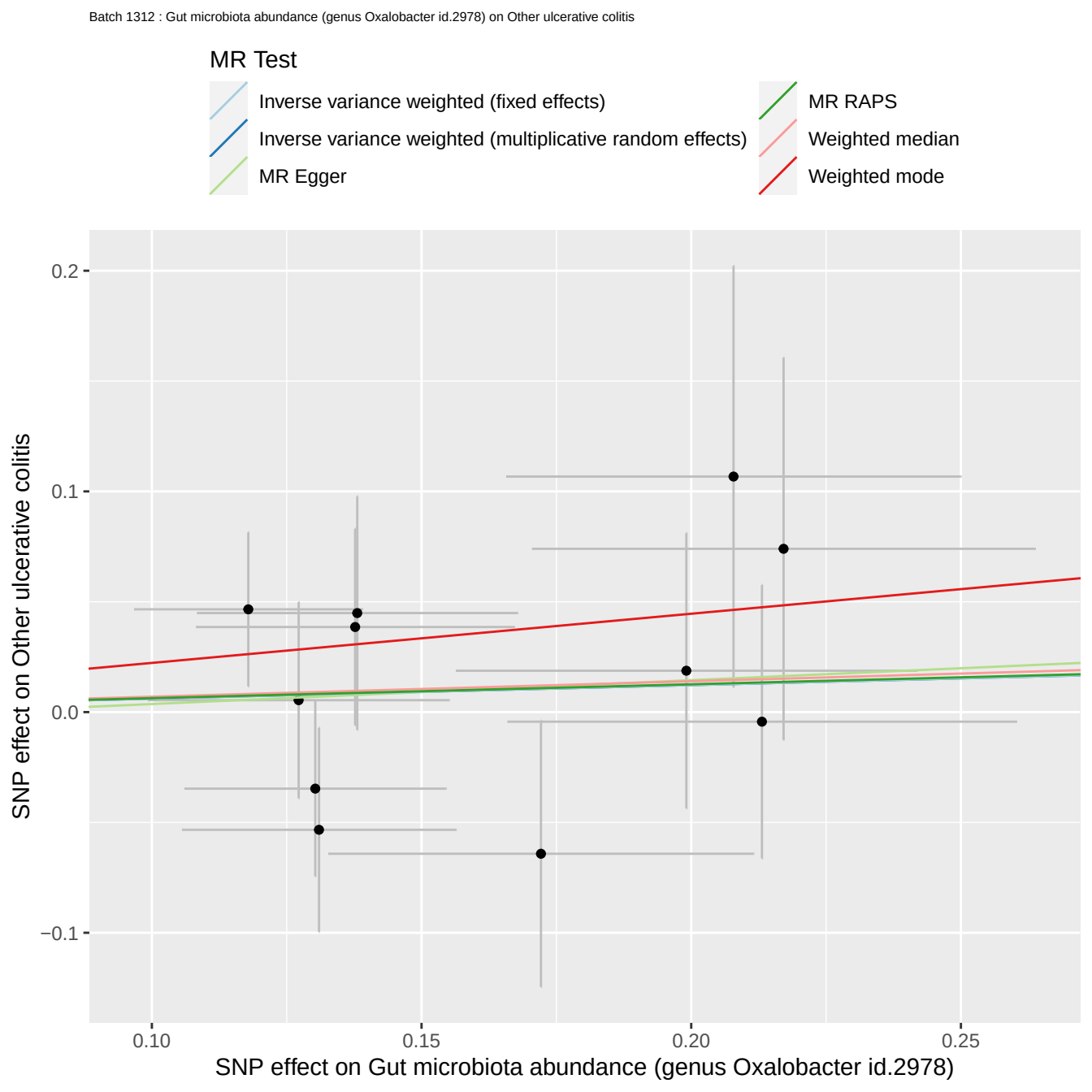

Batch 1307 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.0
−0.1
−0.2
−0.3
SNP effect on Other ulcerative colitis
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

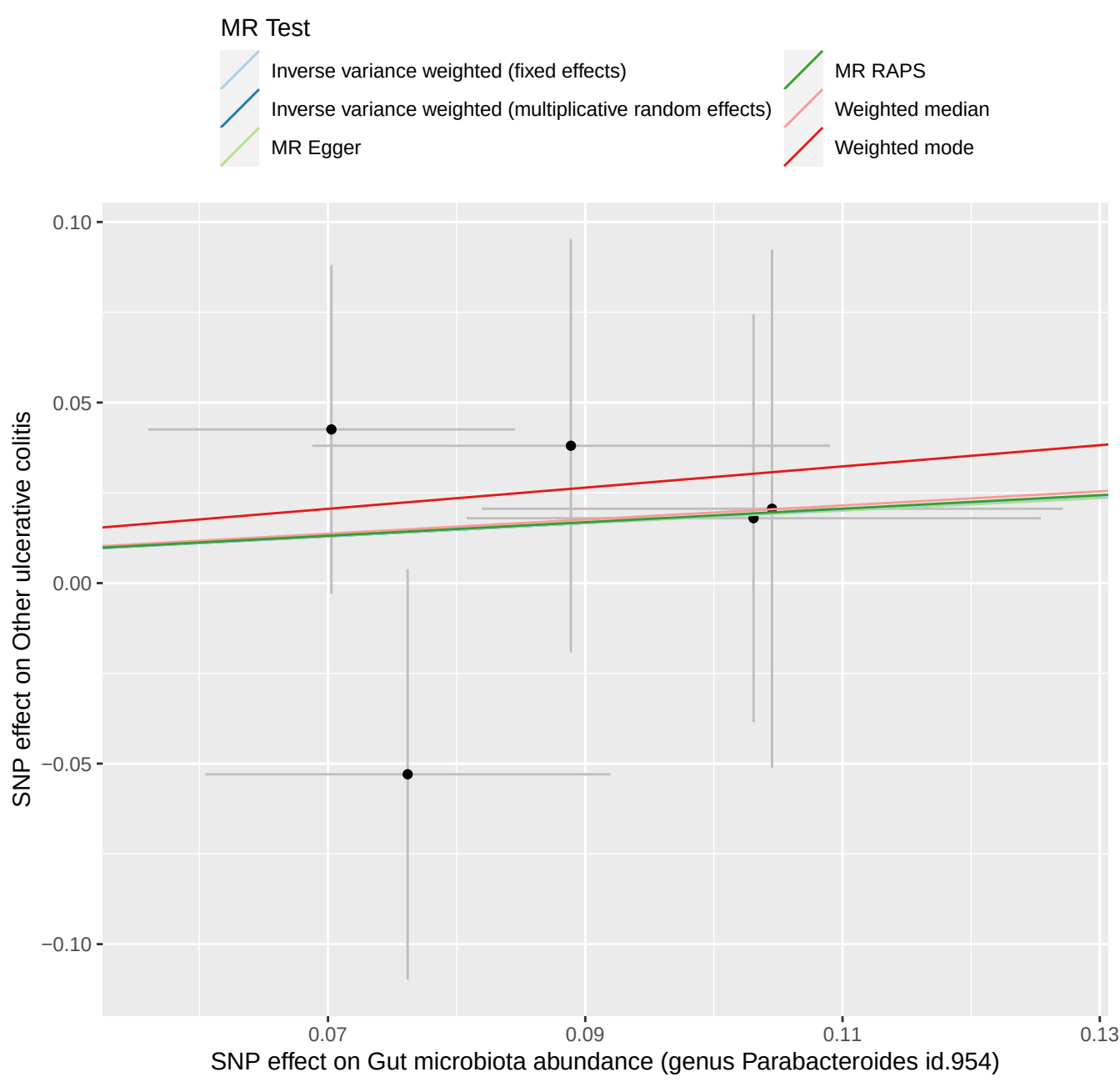

Batch 1308 : Gut microbiota abundance (genus Odoribacter id.952) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

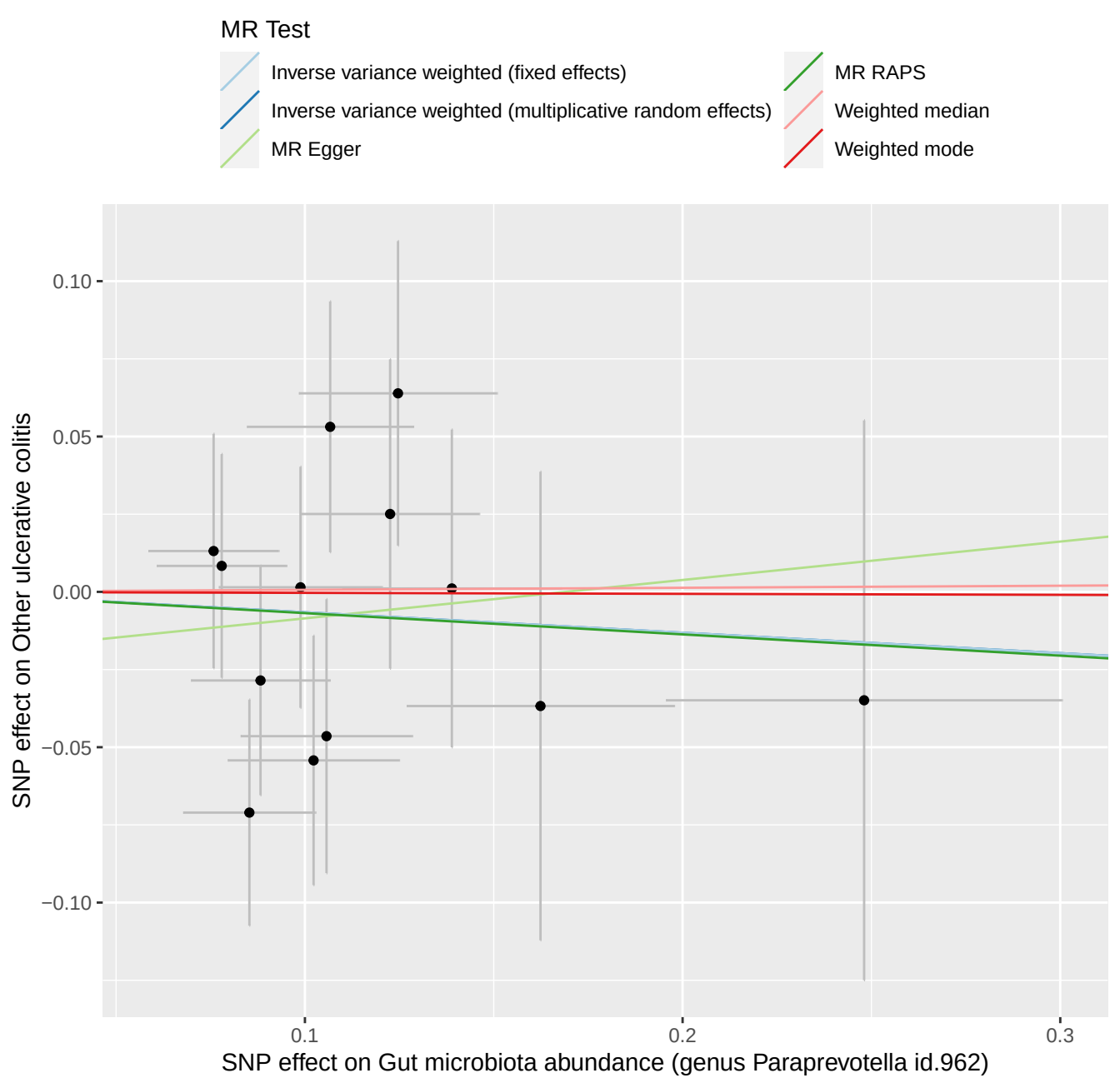

Batch 1309 : Gut microbiota abundance (genus Olsenella id.822) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

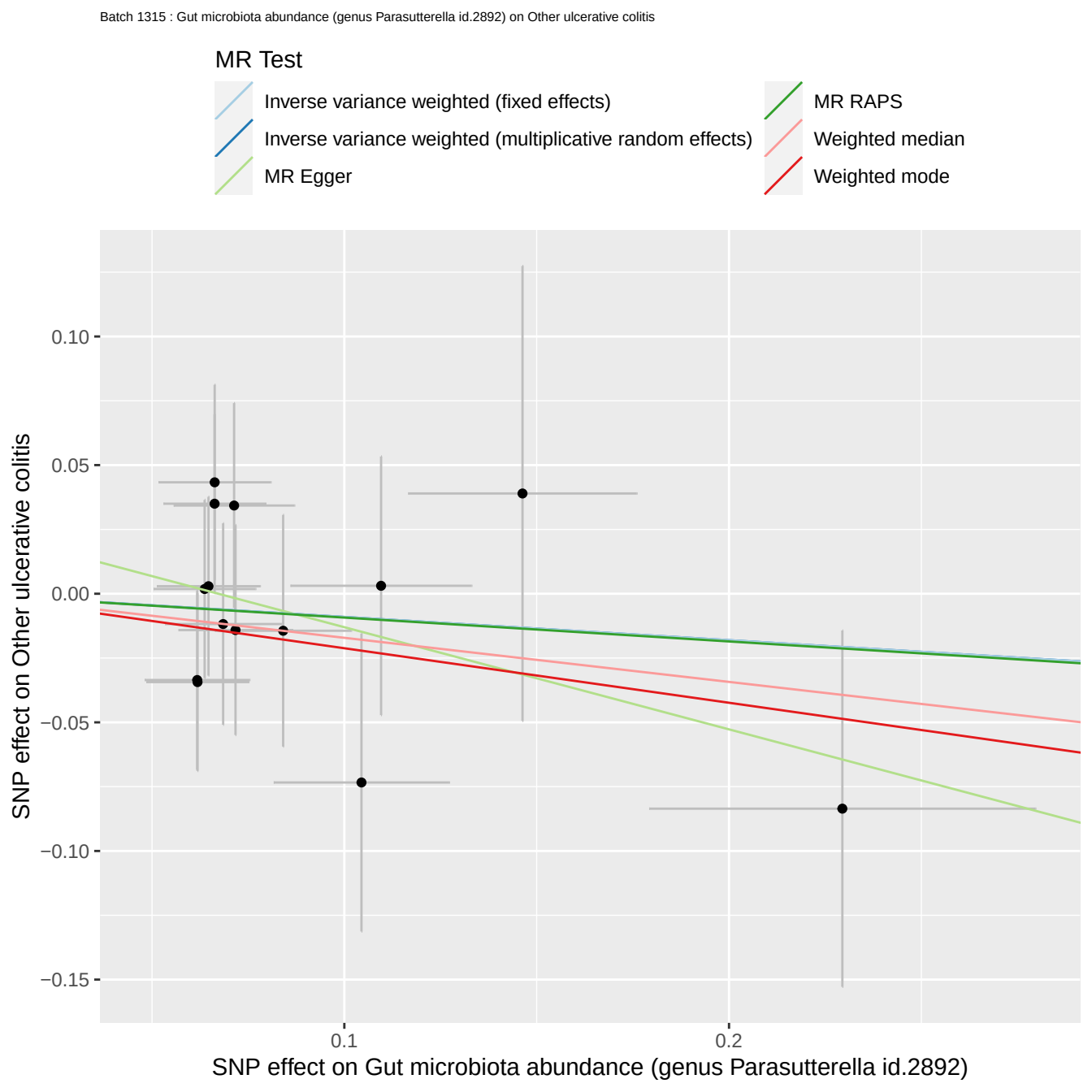

Batch 1310 : Gut microbiota abundance (genus Oscillibacter id.2063) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

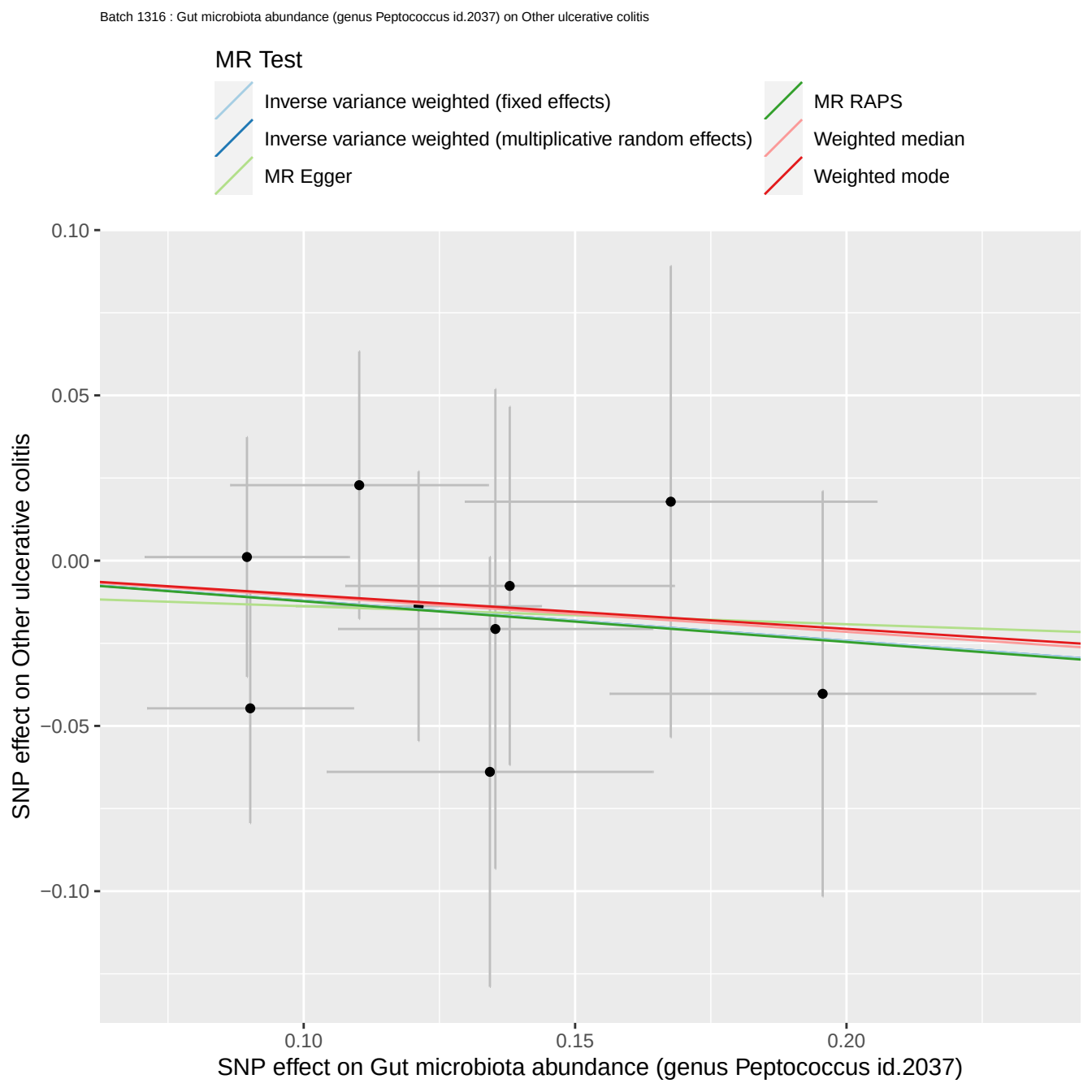

Batch 1311 : Gut microbiota abundance (genus Oscillospira id.2064) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

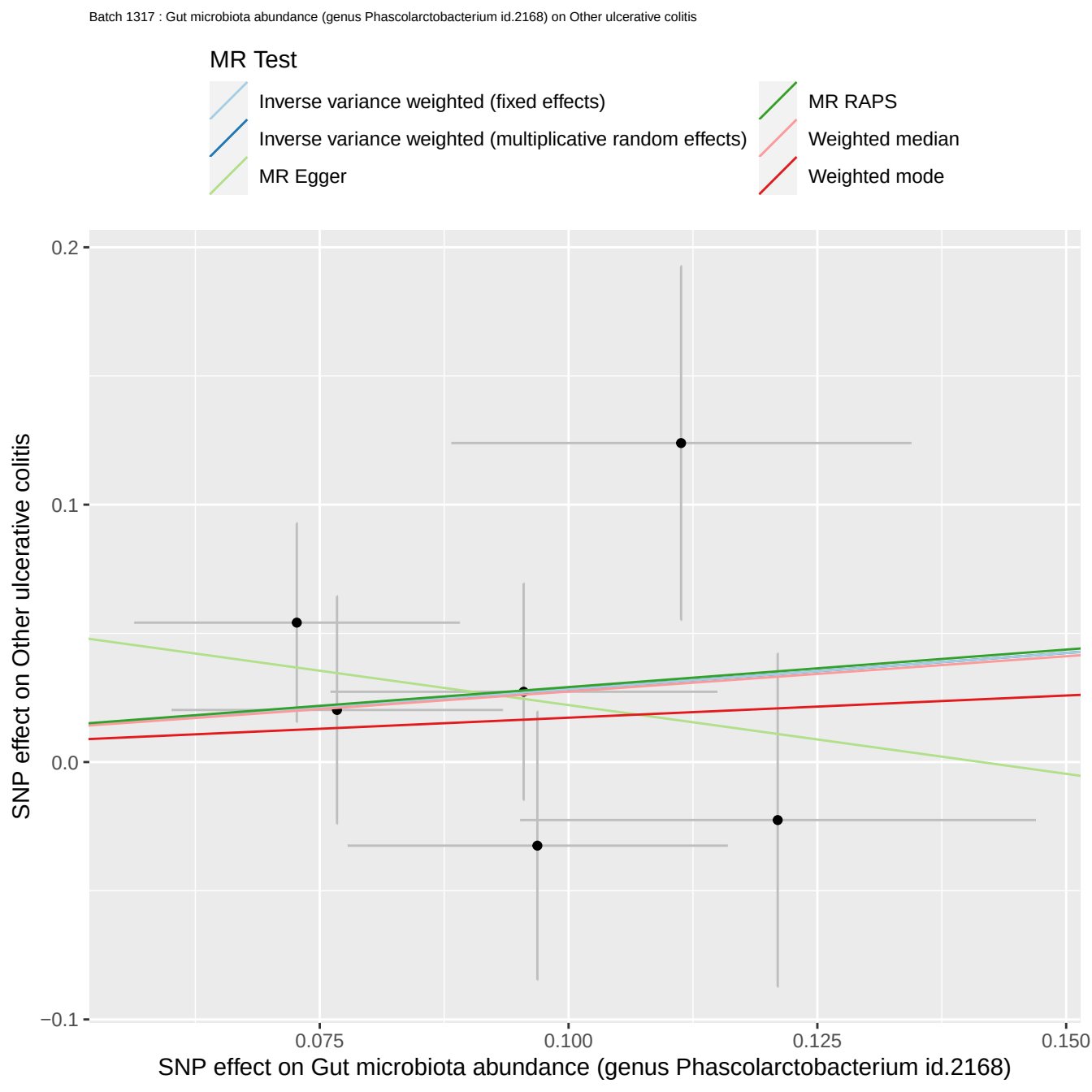

Batch 1312 : Gut microbiota abundance (genus Oxalobacter id.2978) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

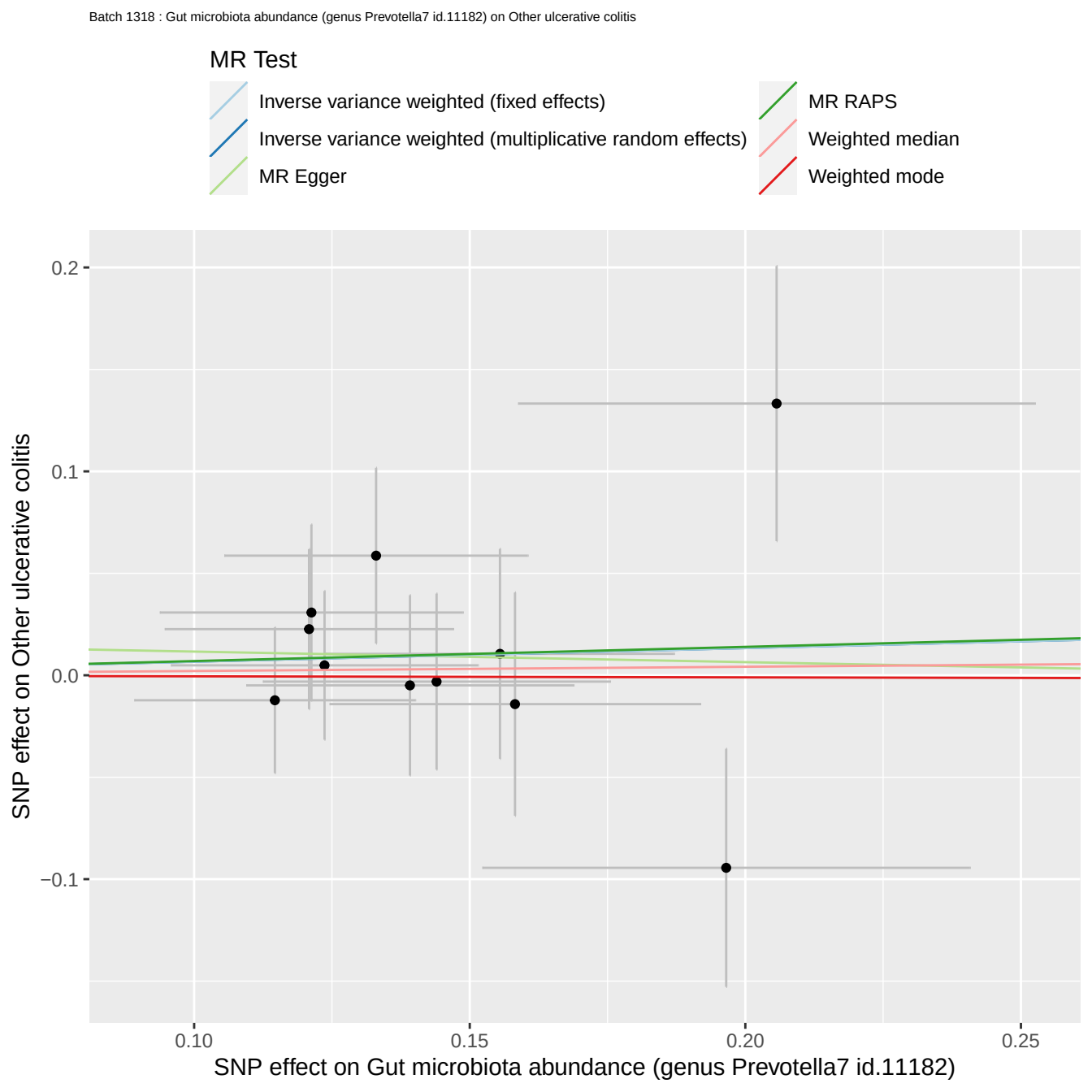

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

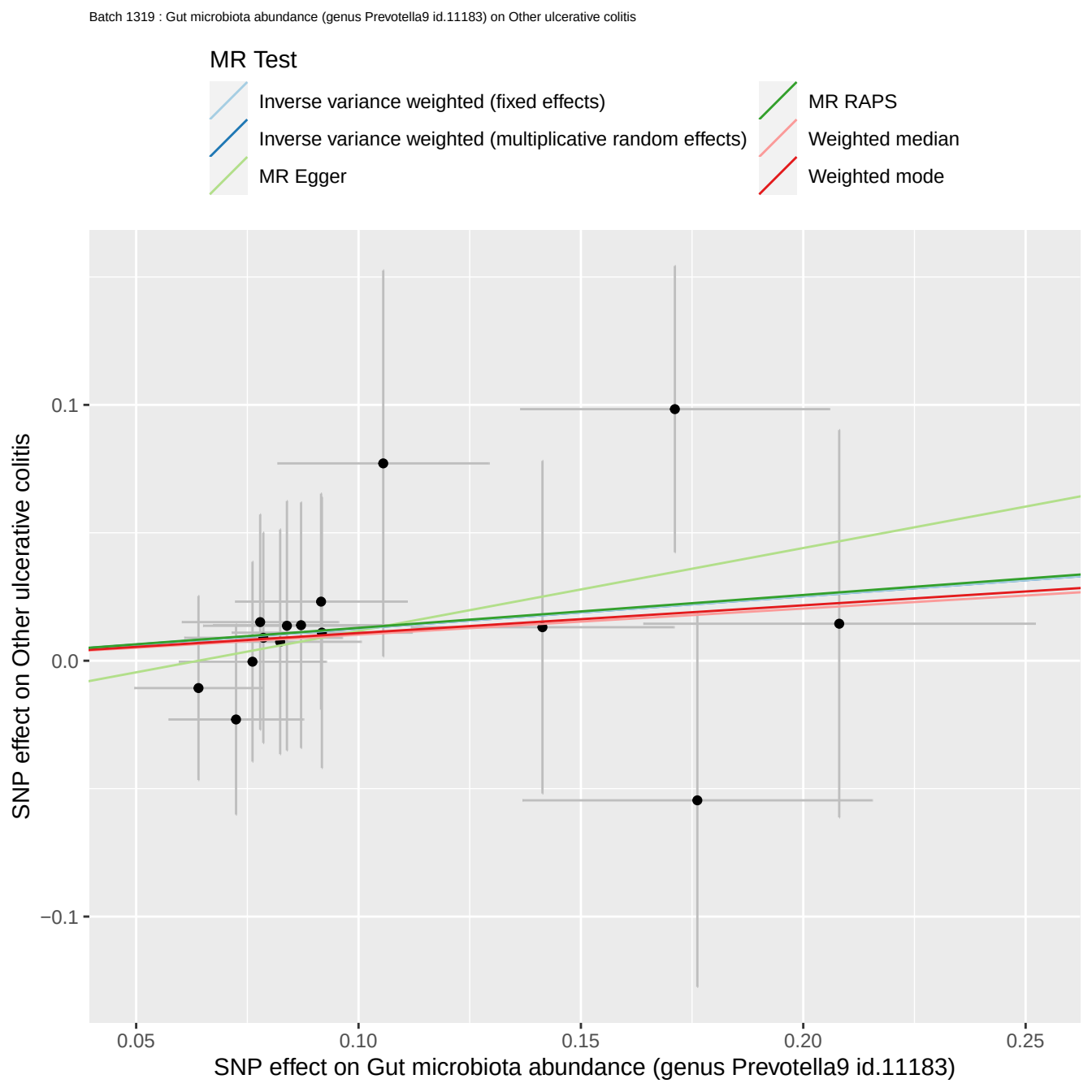

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)


Batch 1315 : Gut microbiota abundance (genus Parasutterella id.2892) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

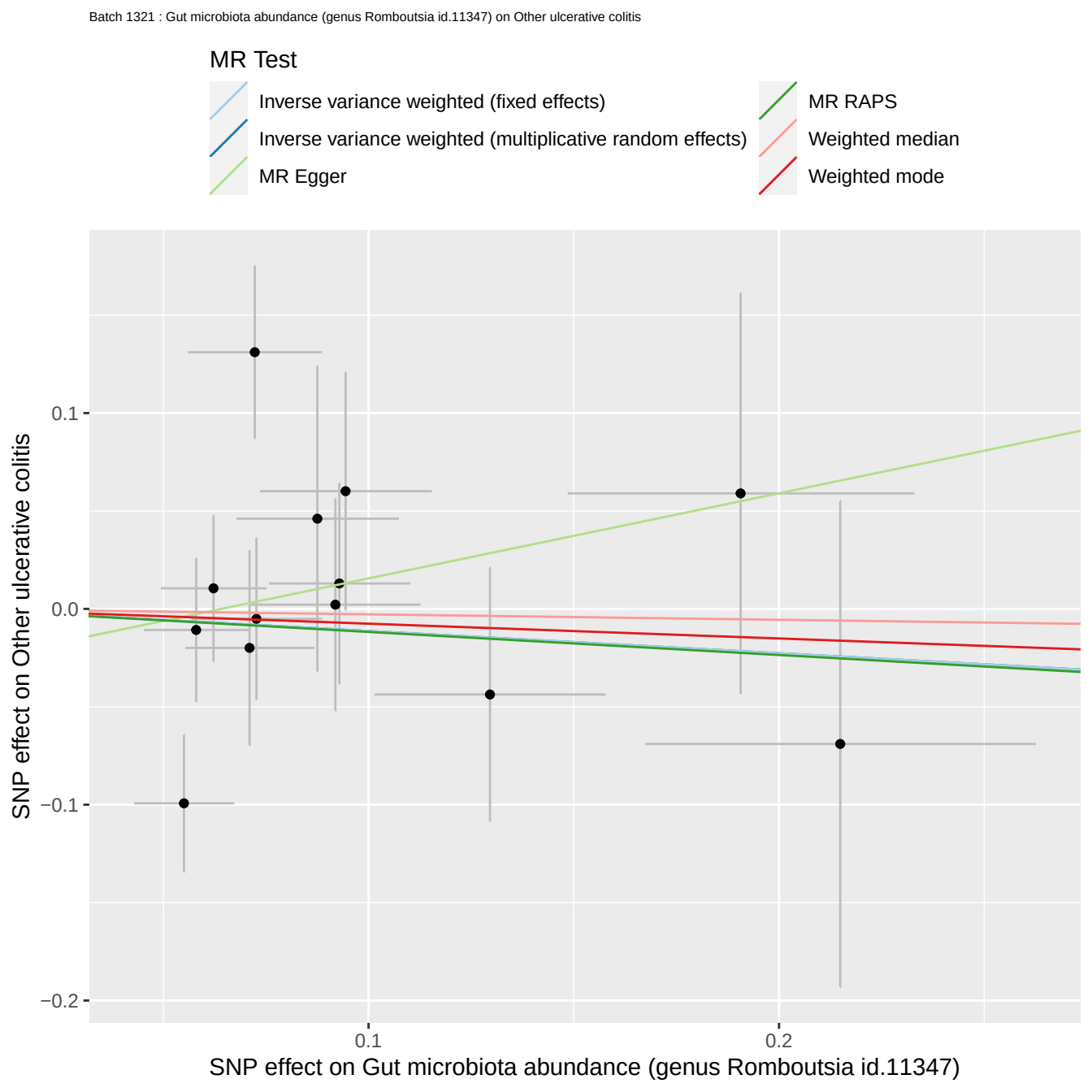

Batch 1316 : Gut microbiota abundance (genus Peptococcus id.2037) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

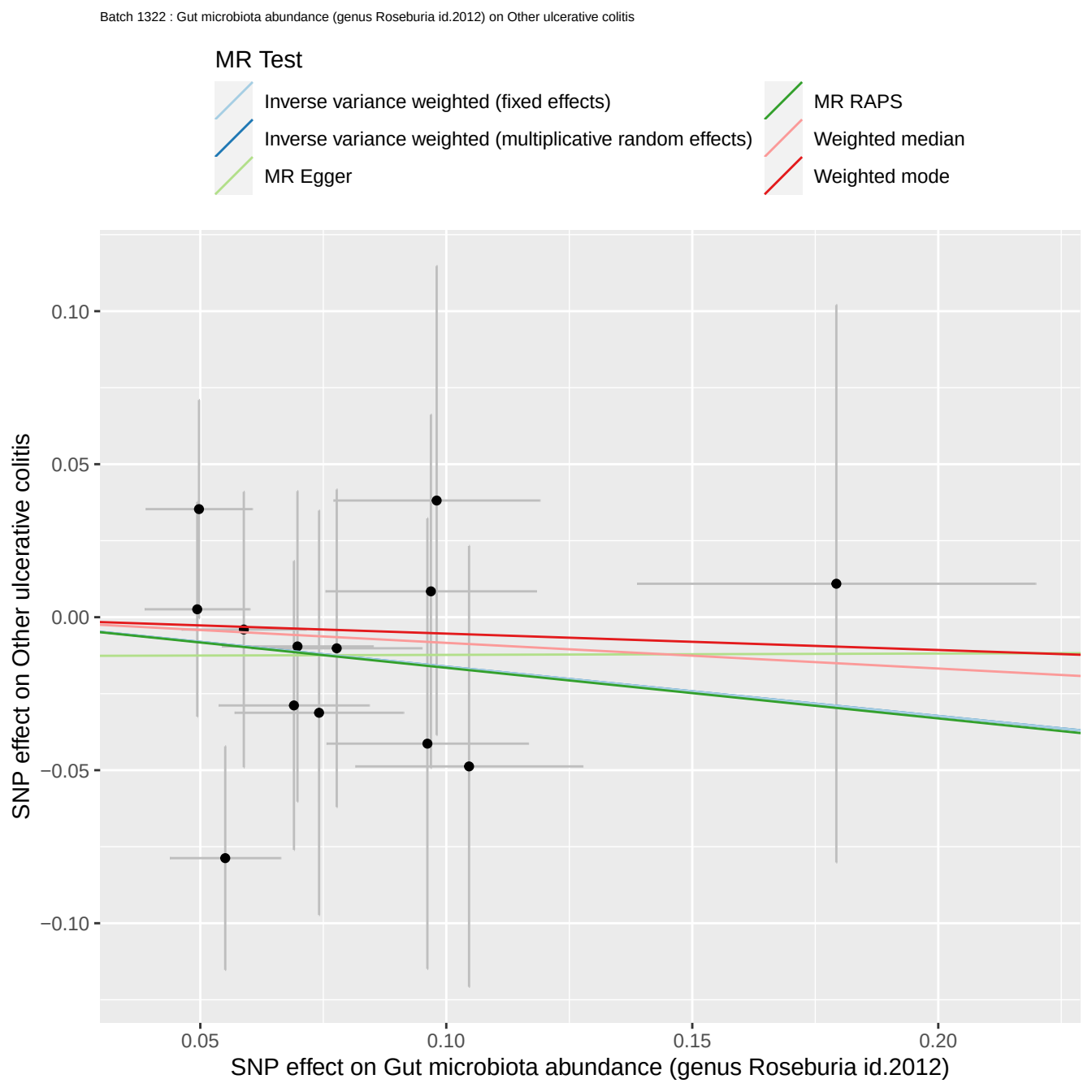

Batch 1317 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

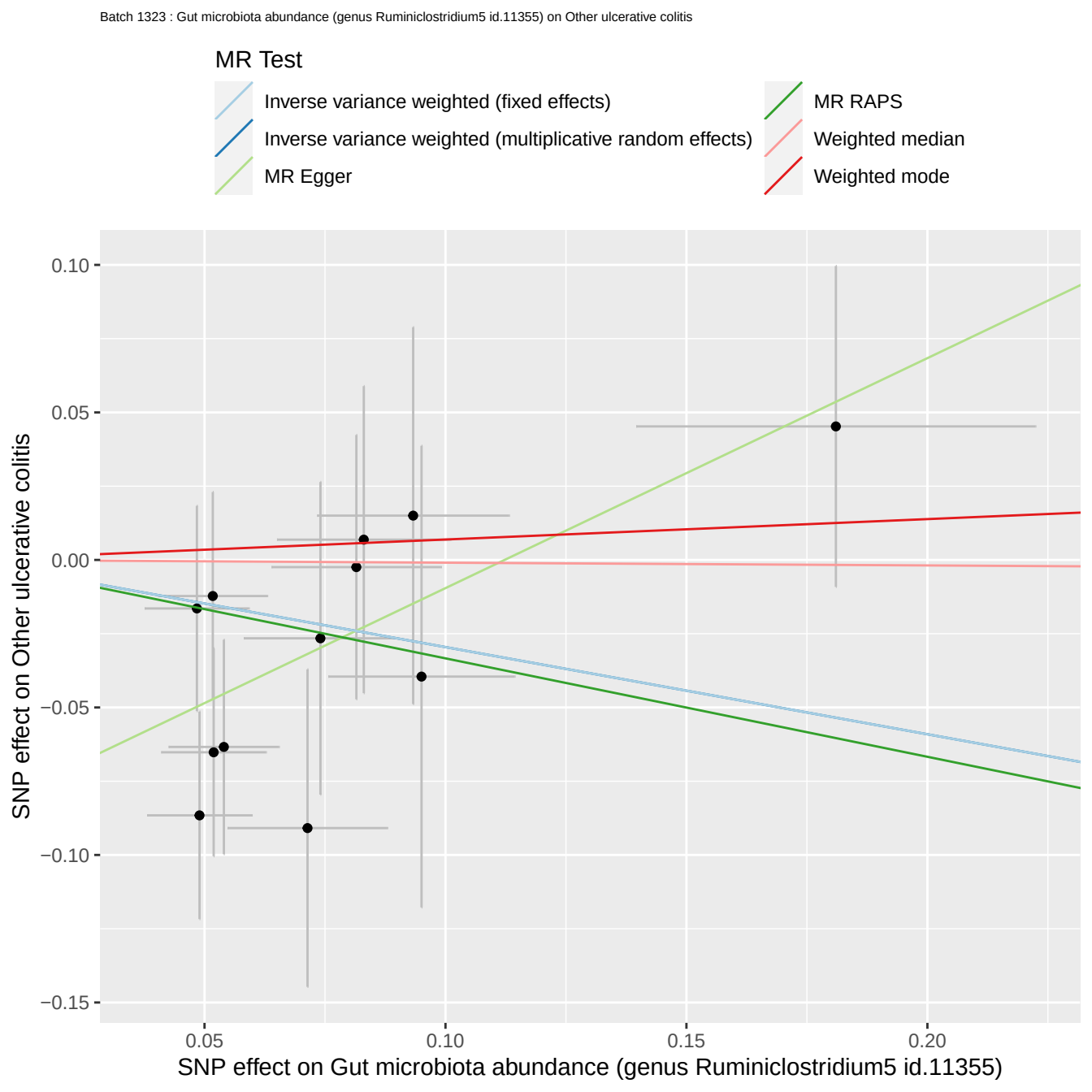

Batch 1318 : Gut microbiota abundance (genus Prevotella7 id.11182) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

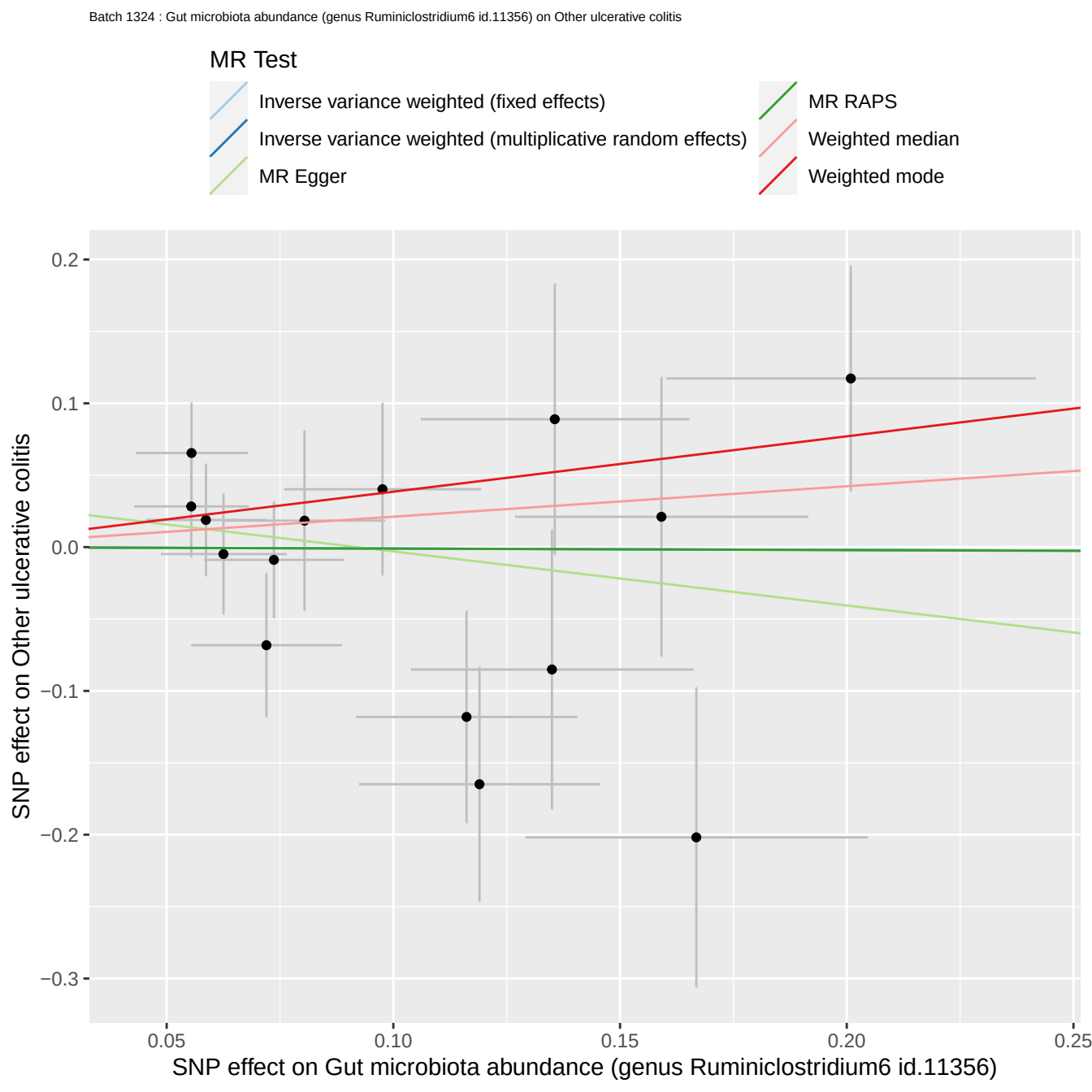

Batch 1319 : Gut microbiota abundance (genus Prevotella9 id.11183) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

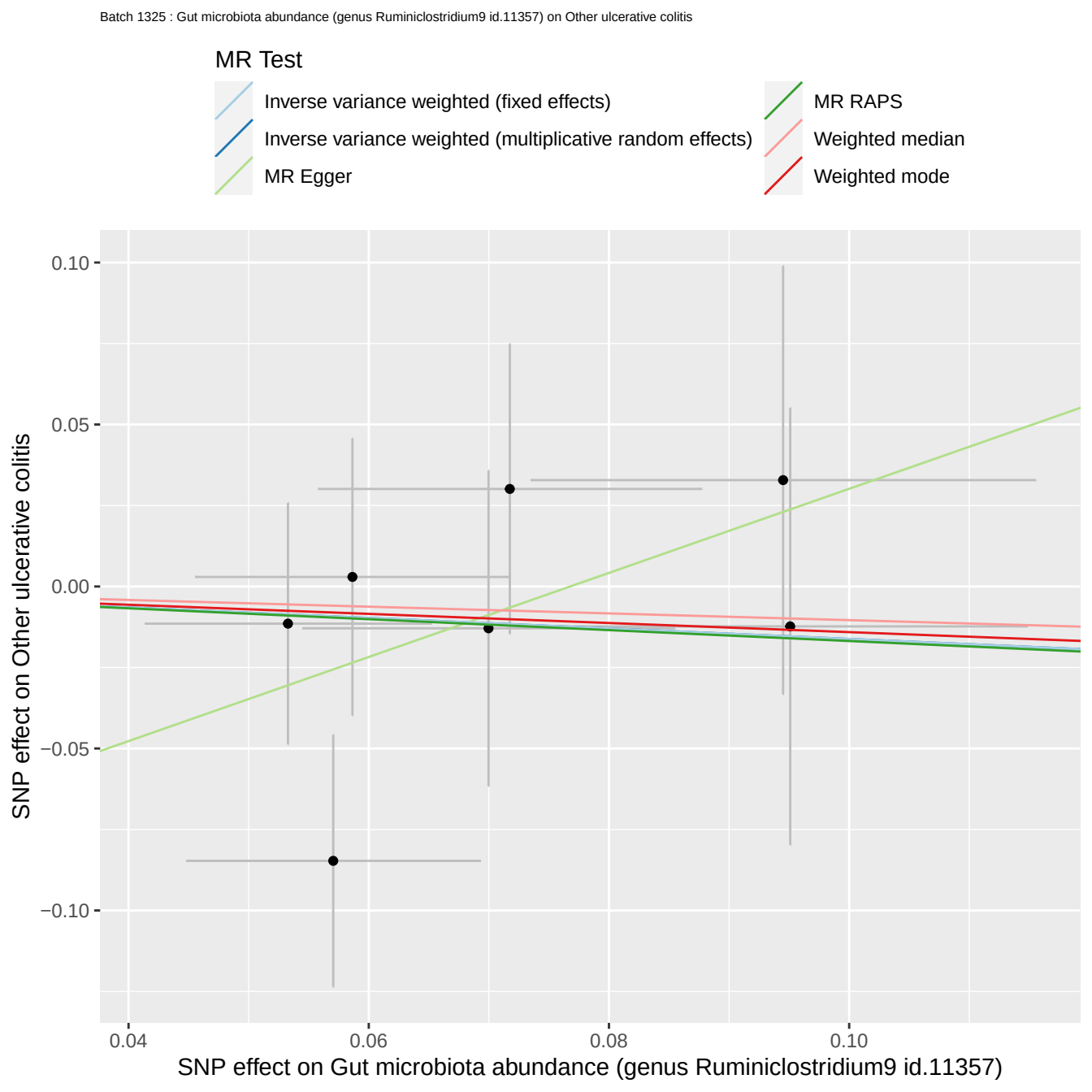
Batch 1320 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

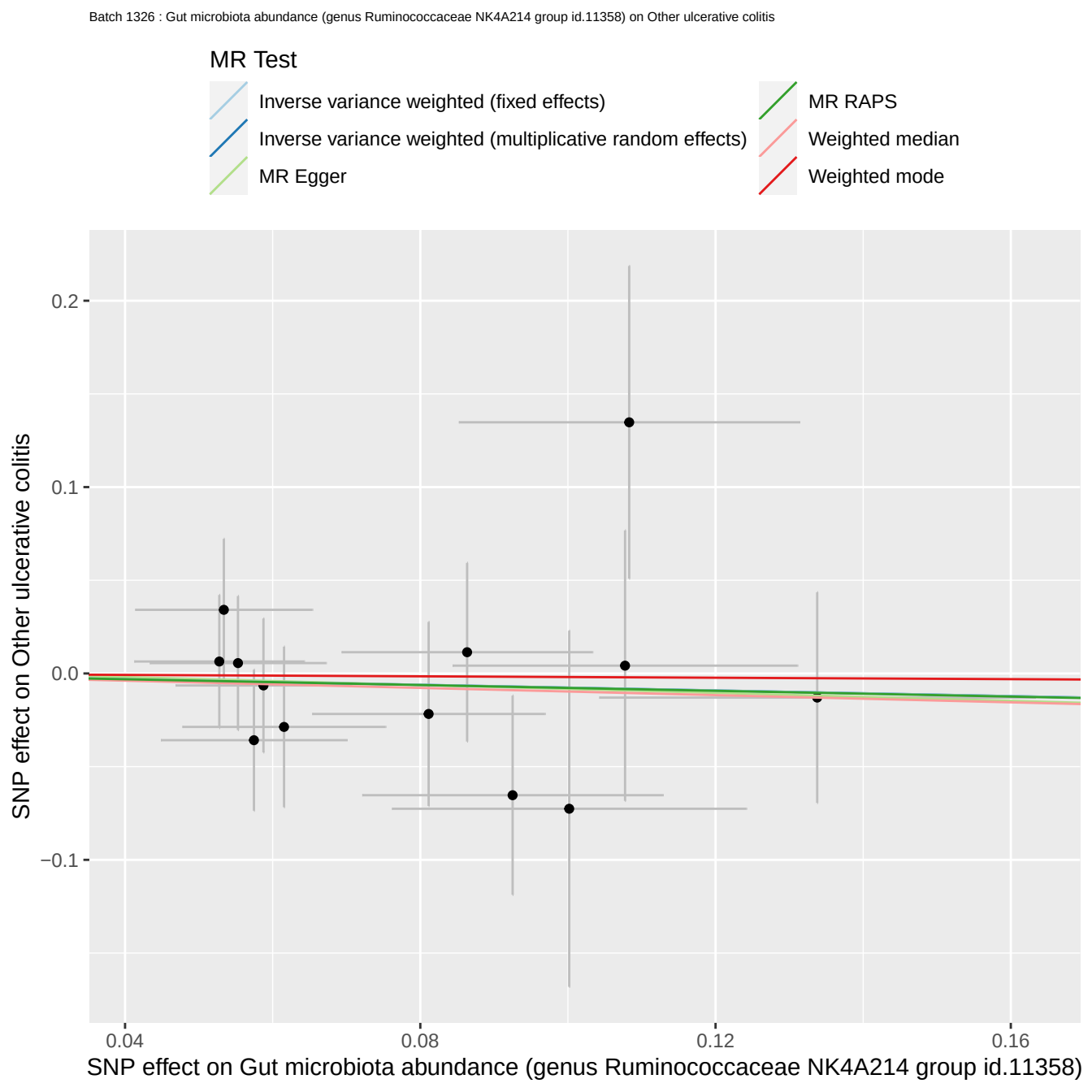

Batch 1321 : Gut microbiota abundance (genus Romboutsia id.11347) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

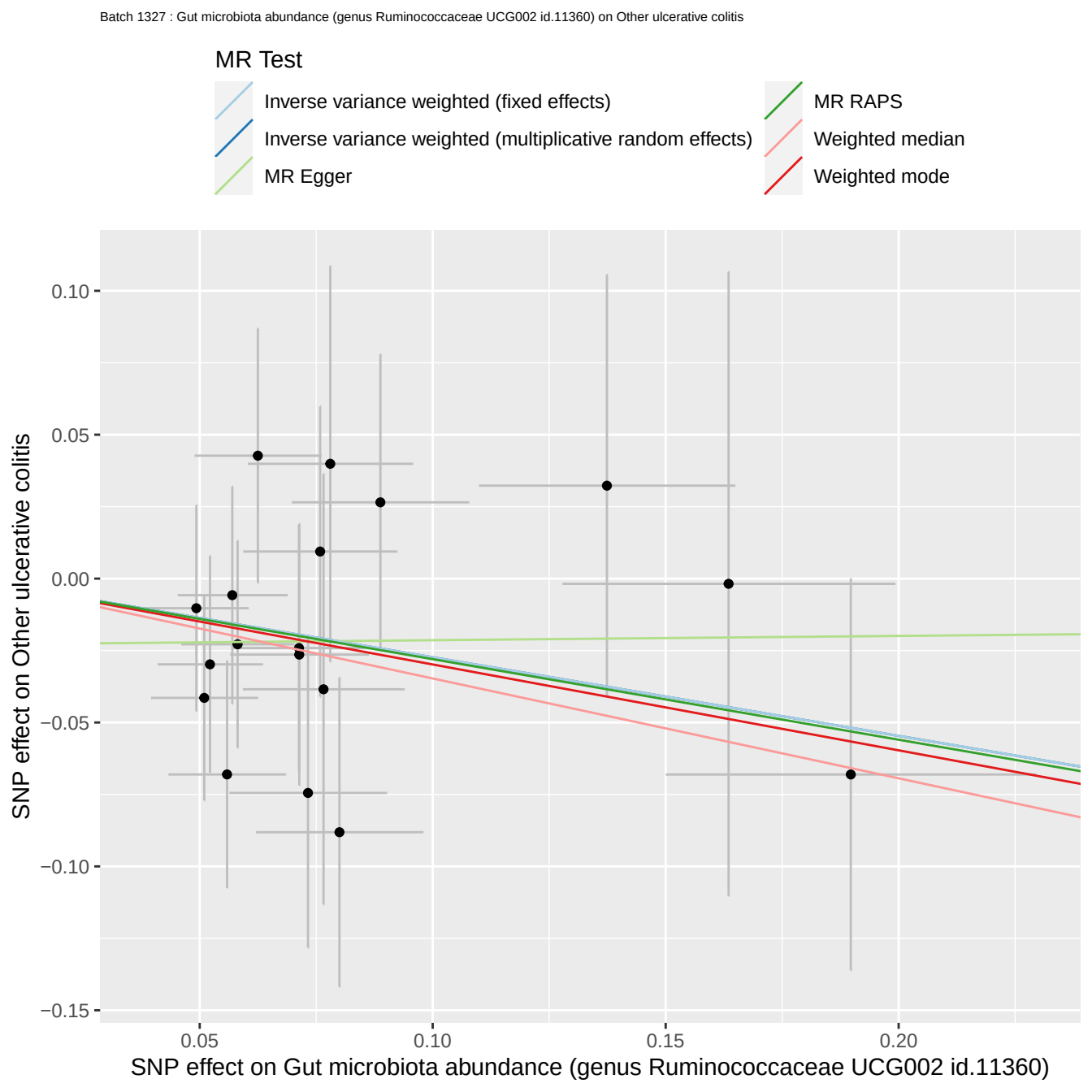

Batch 1322 : Gut microbiota abundance (genus Roseburia id.2012) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

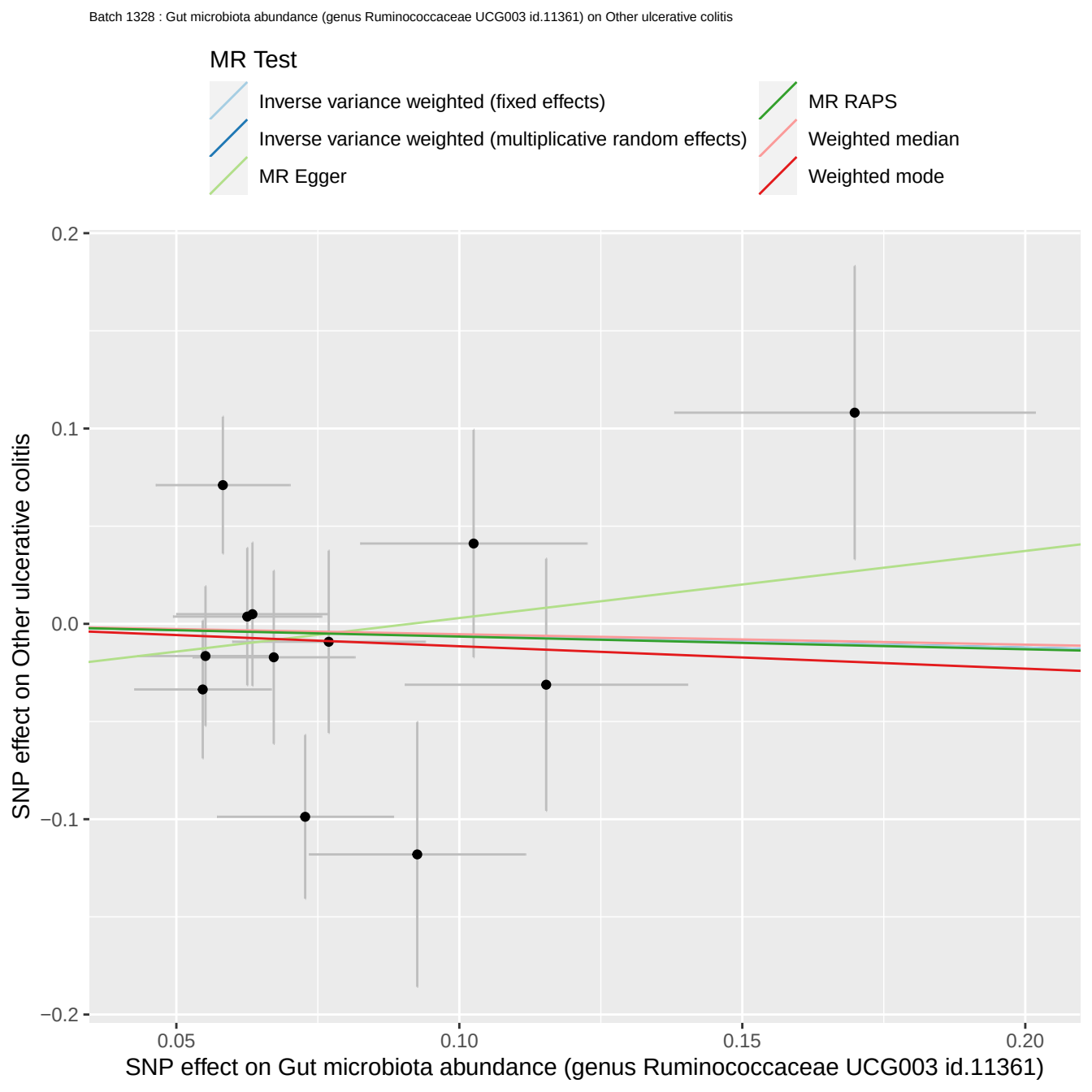

Batch 1323 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

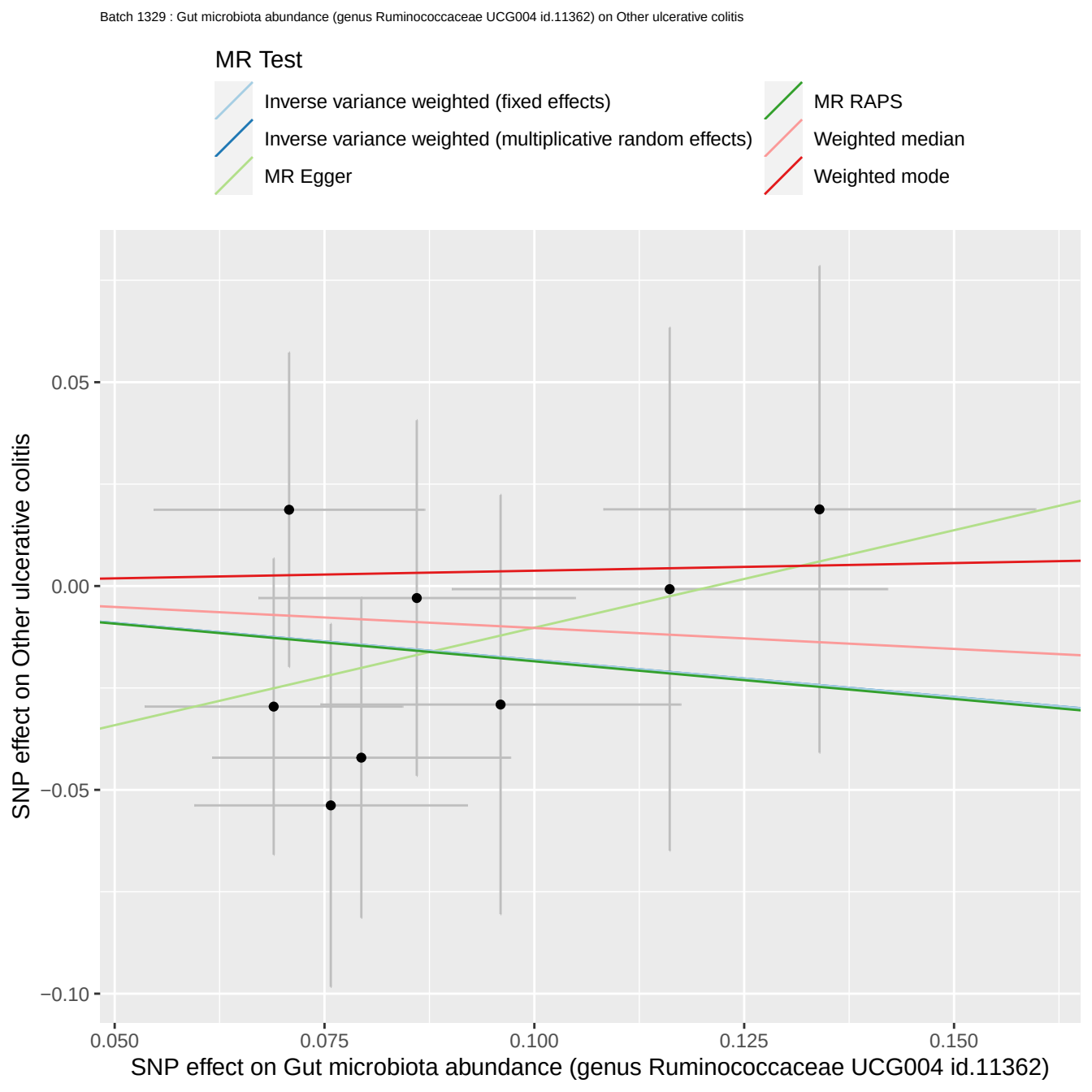

Batch 1324 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

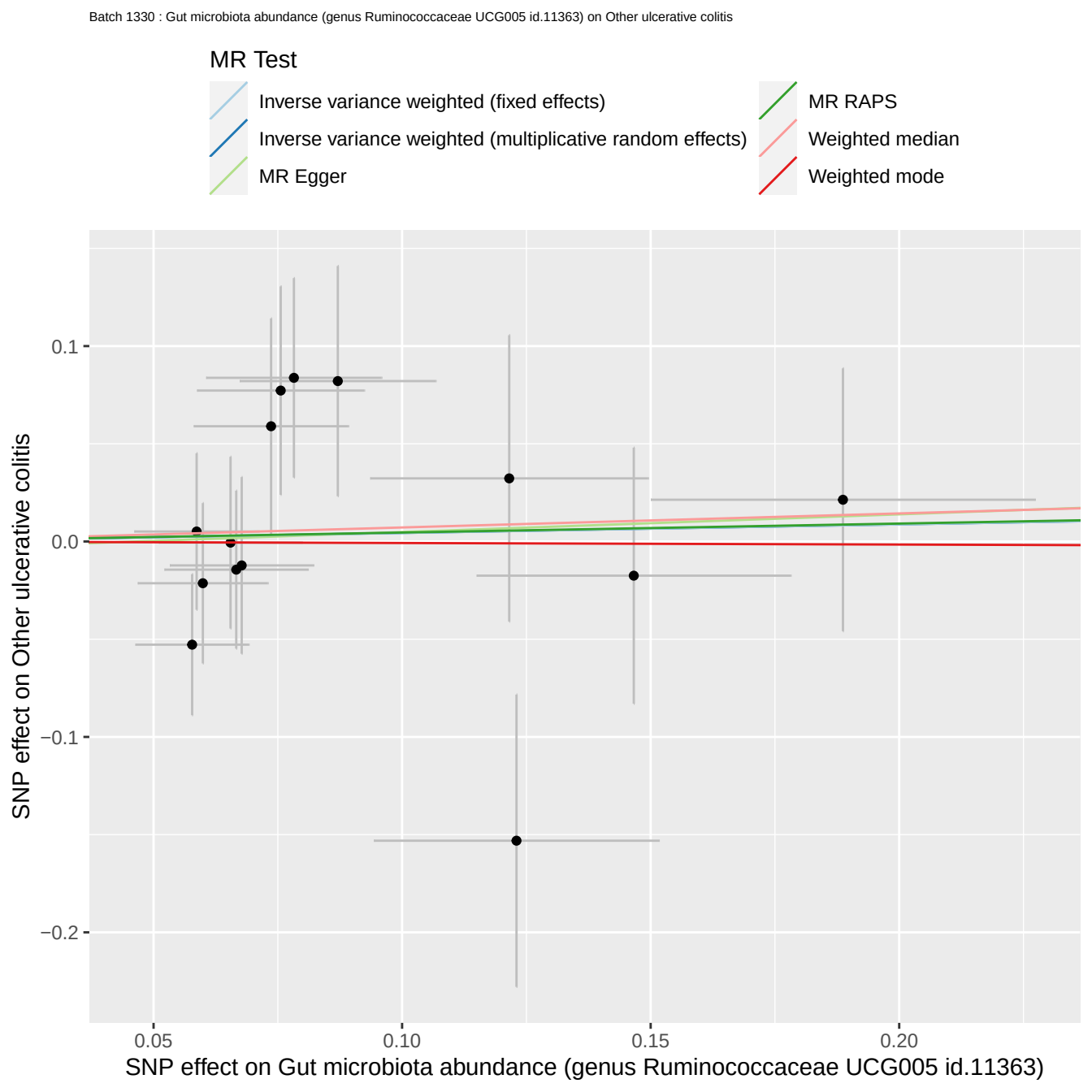

Batch 1325 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Other ulcerative colitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

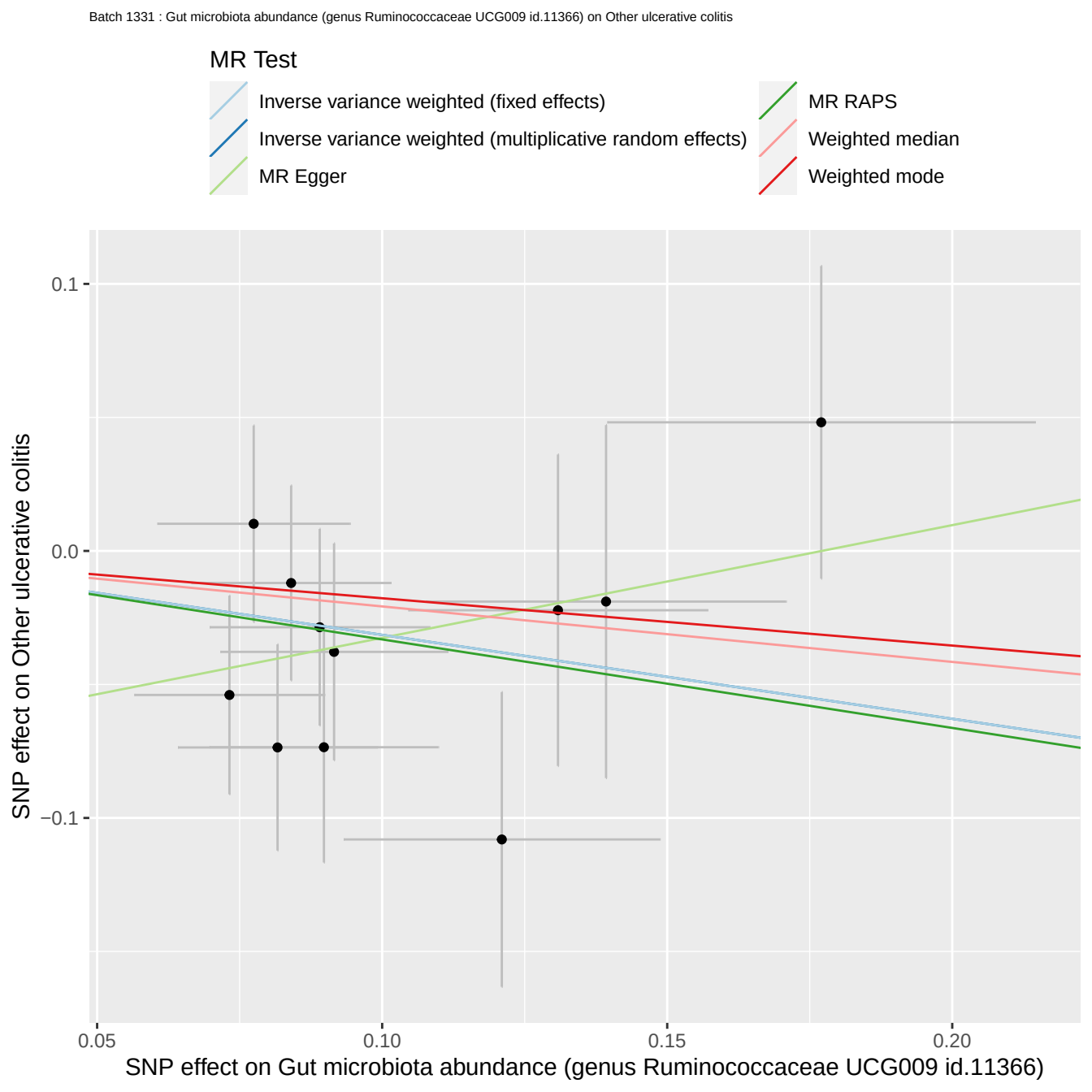

Batch 1326 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)

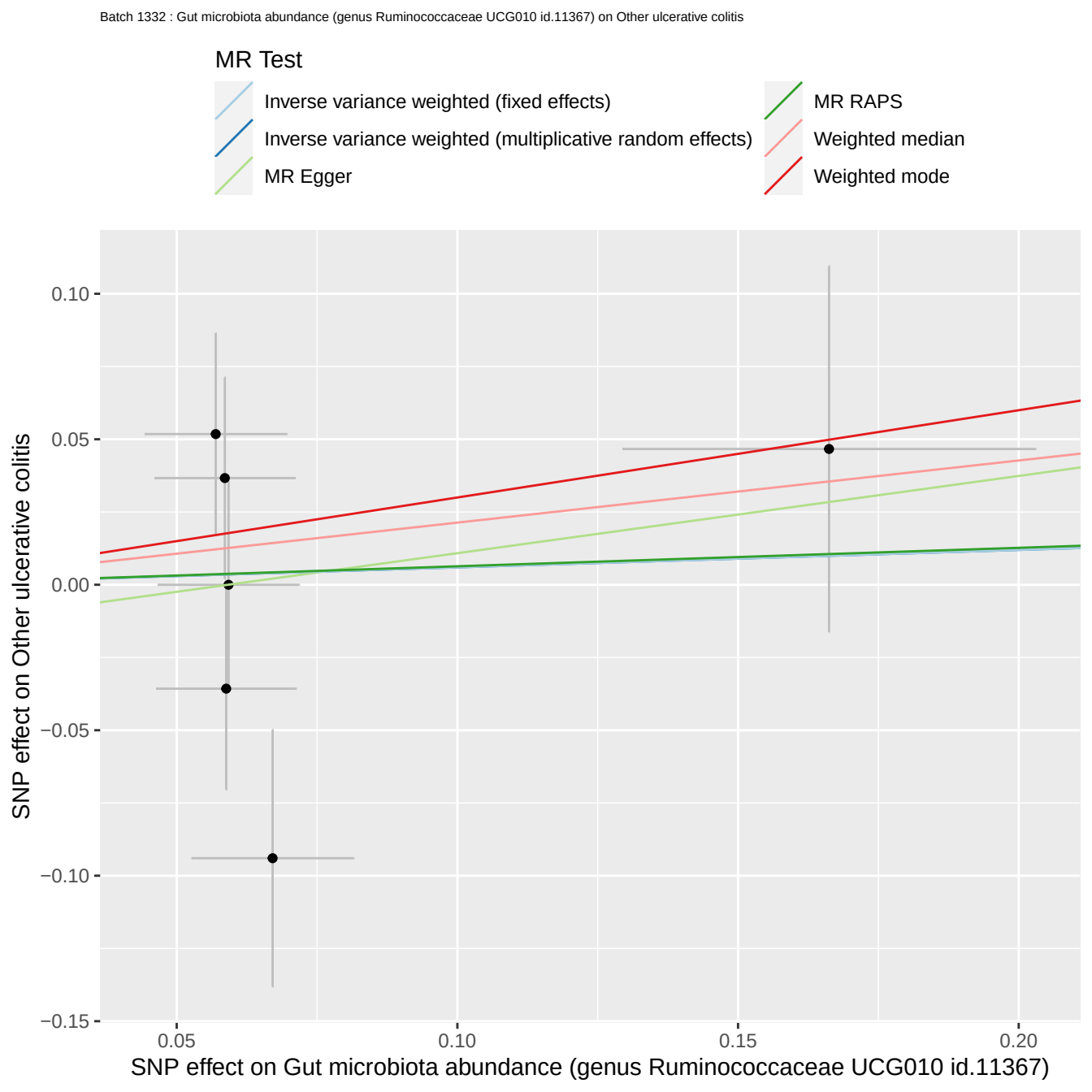

Batch 1327 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

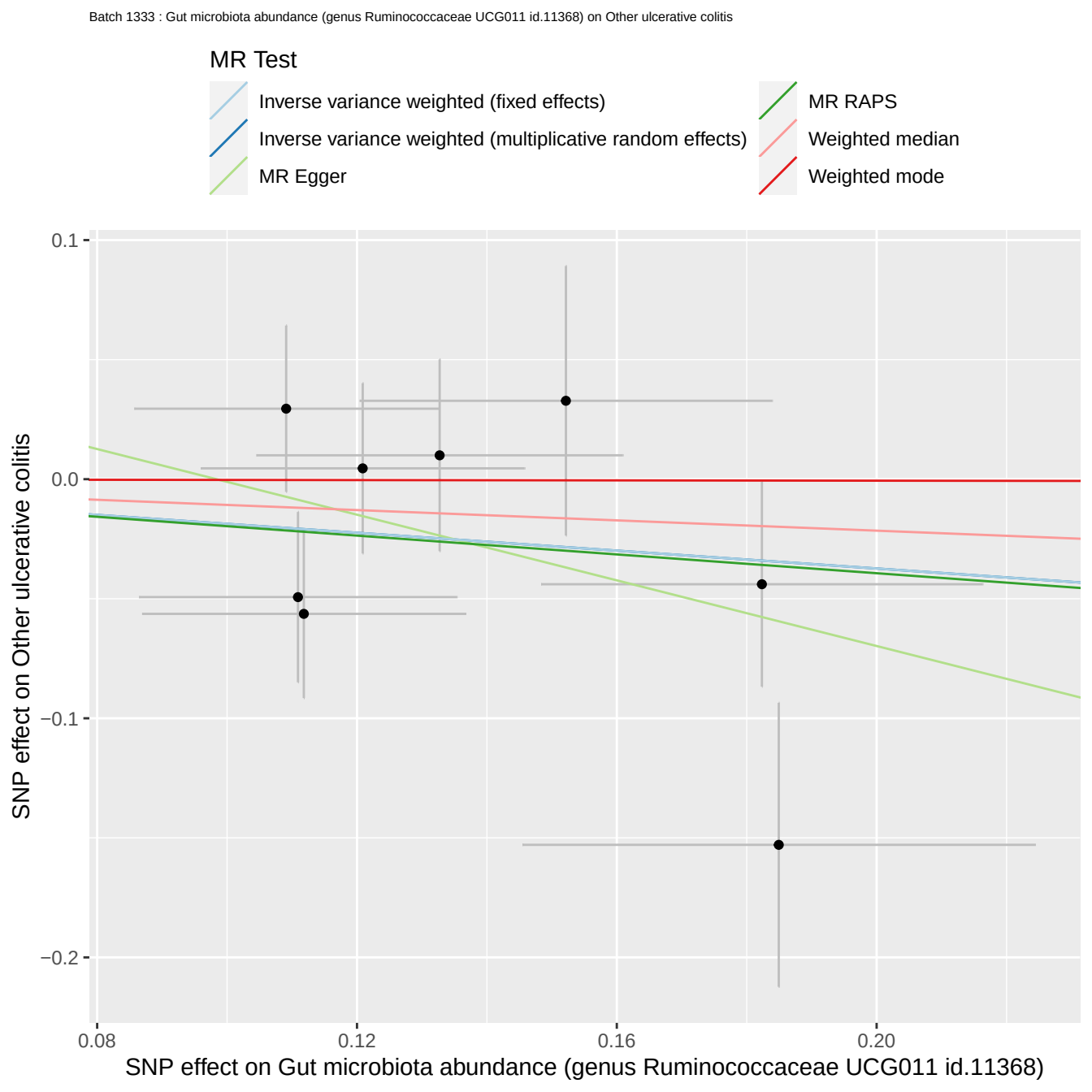

Batch 1328 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)


Batch 1329 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

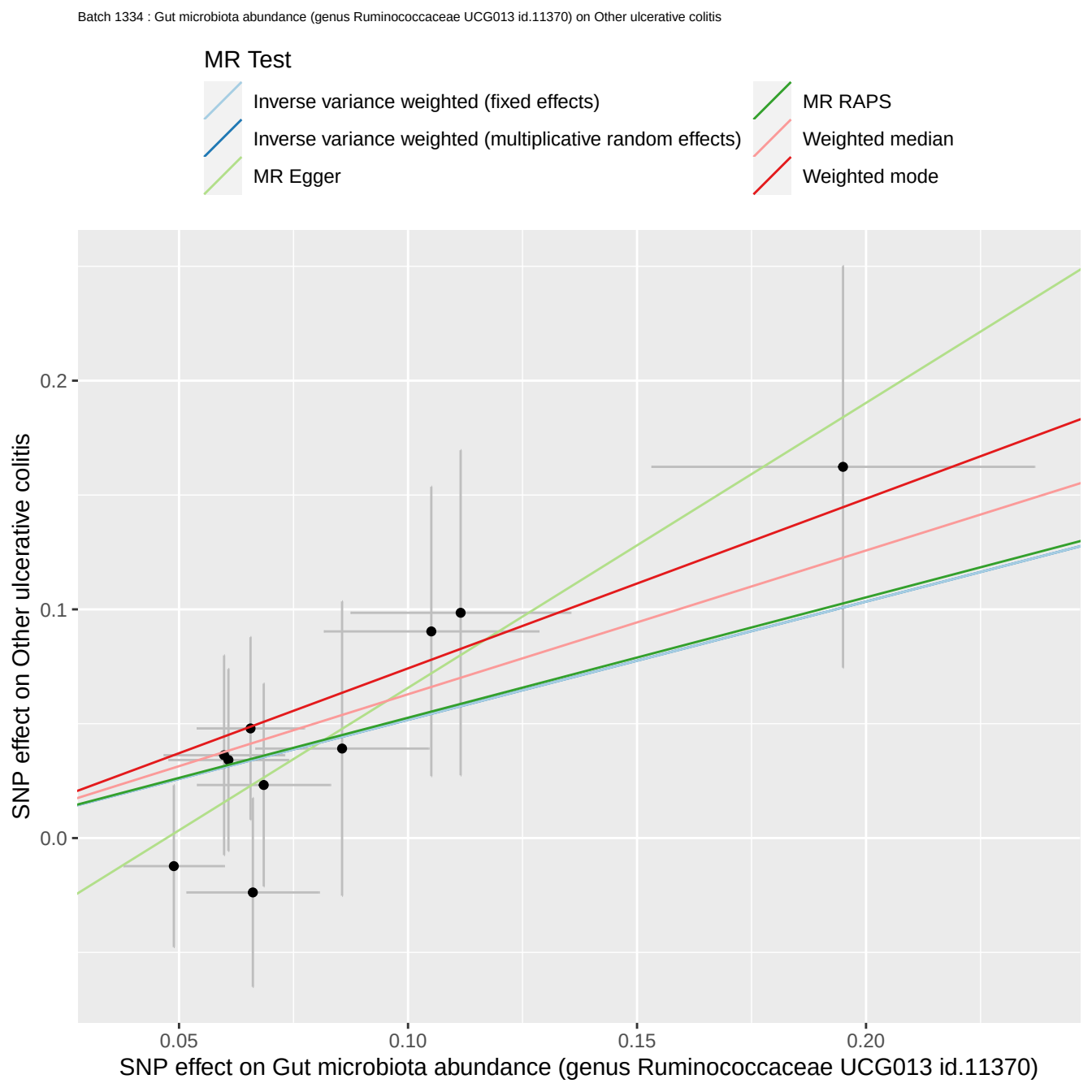

Batch 1330 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

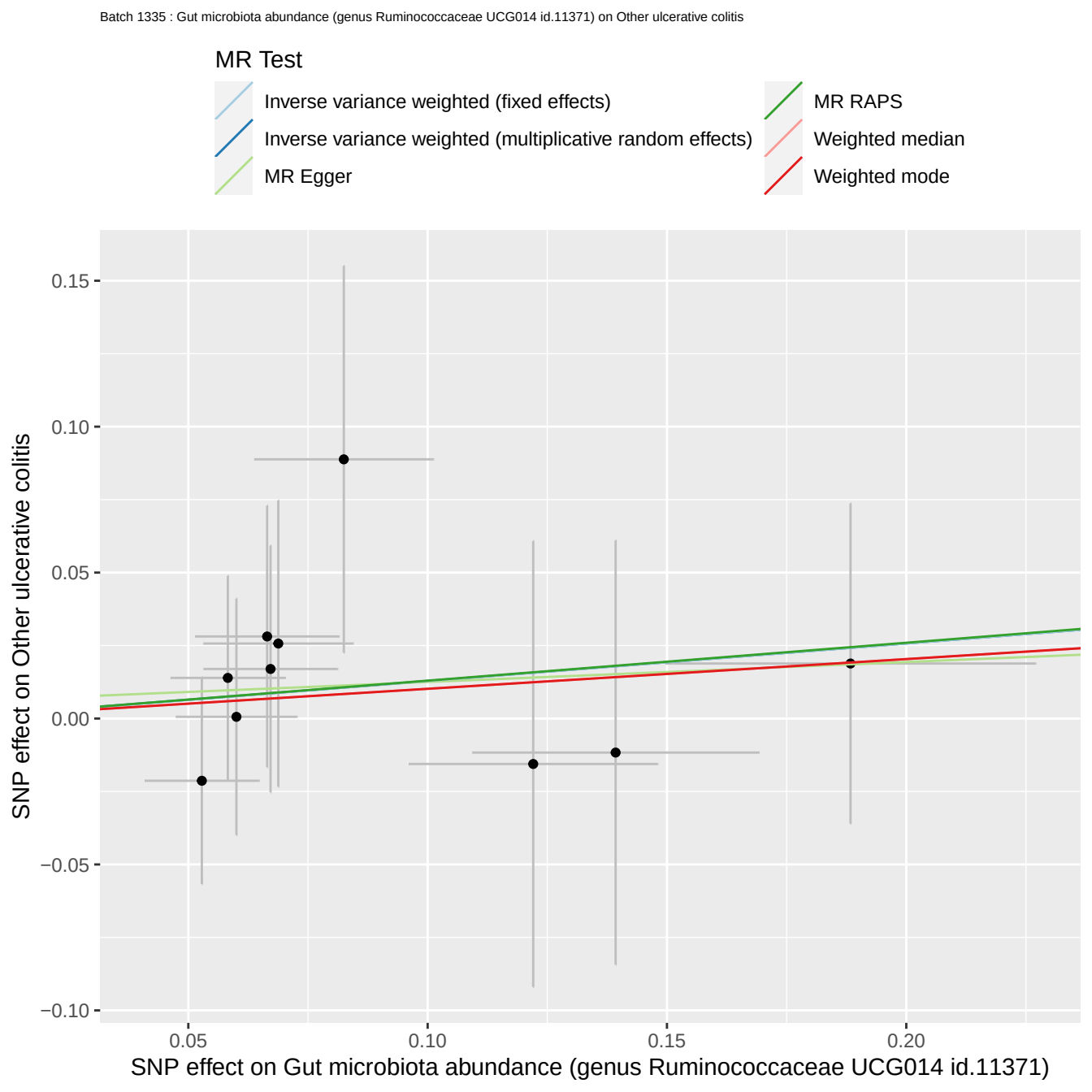

Batch 1331 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Other ulcerative colitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

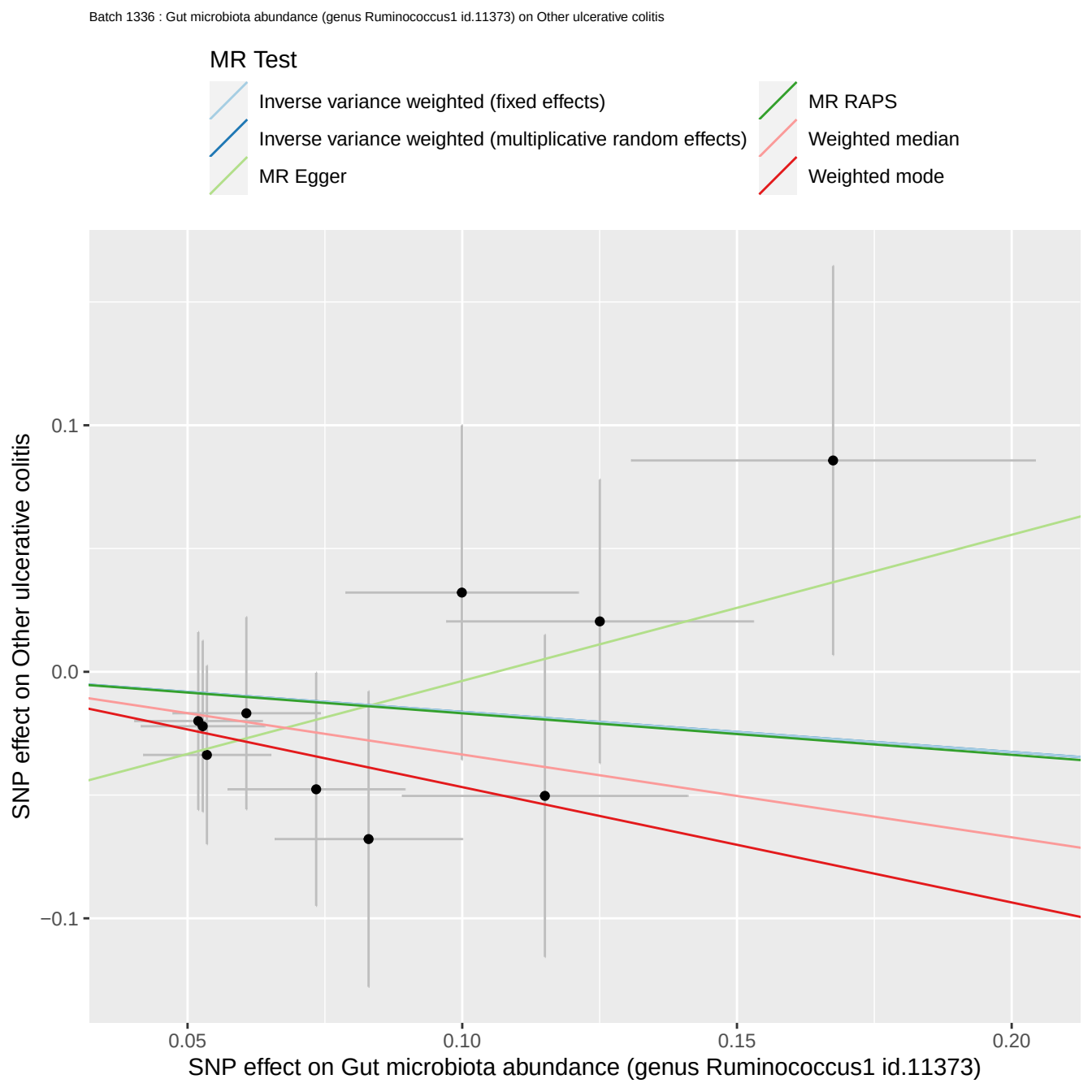

Batch 1332 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367)

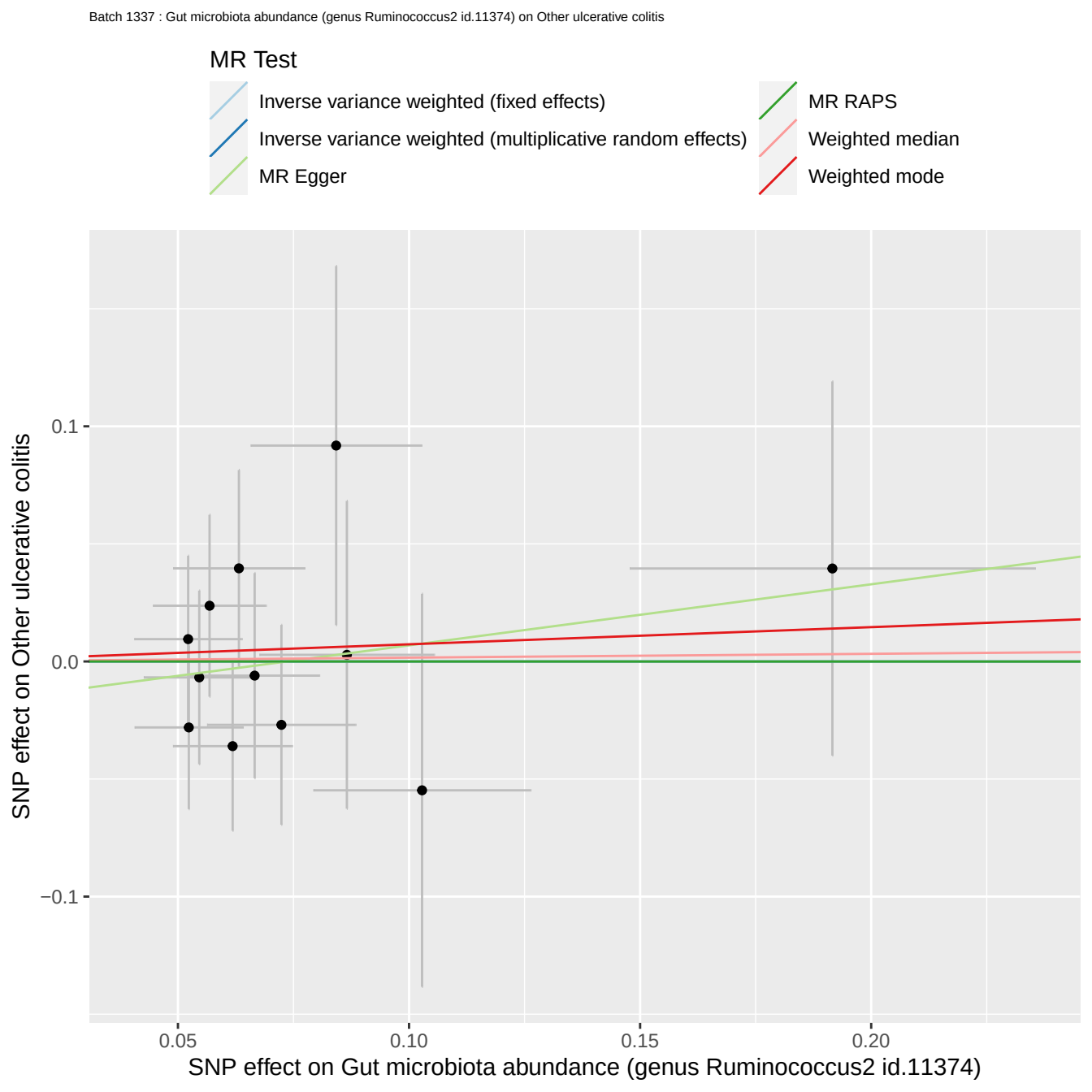

Batch 1333 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

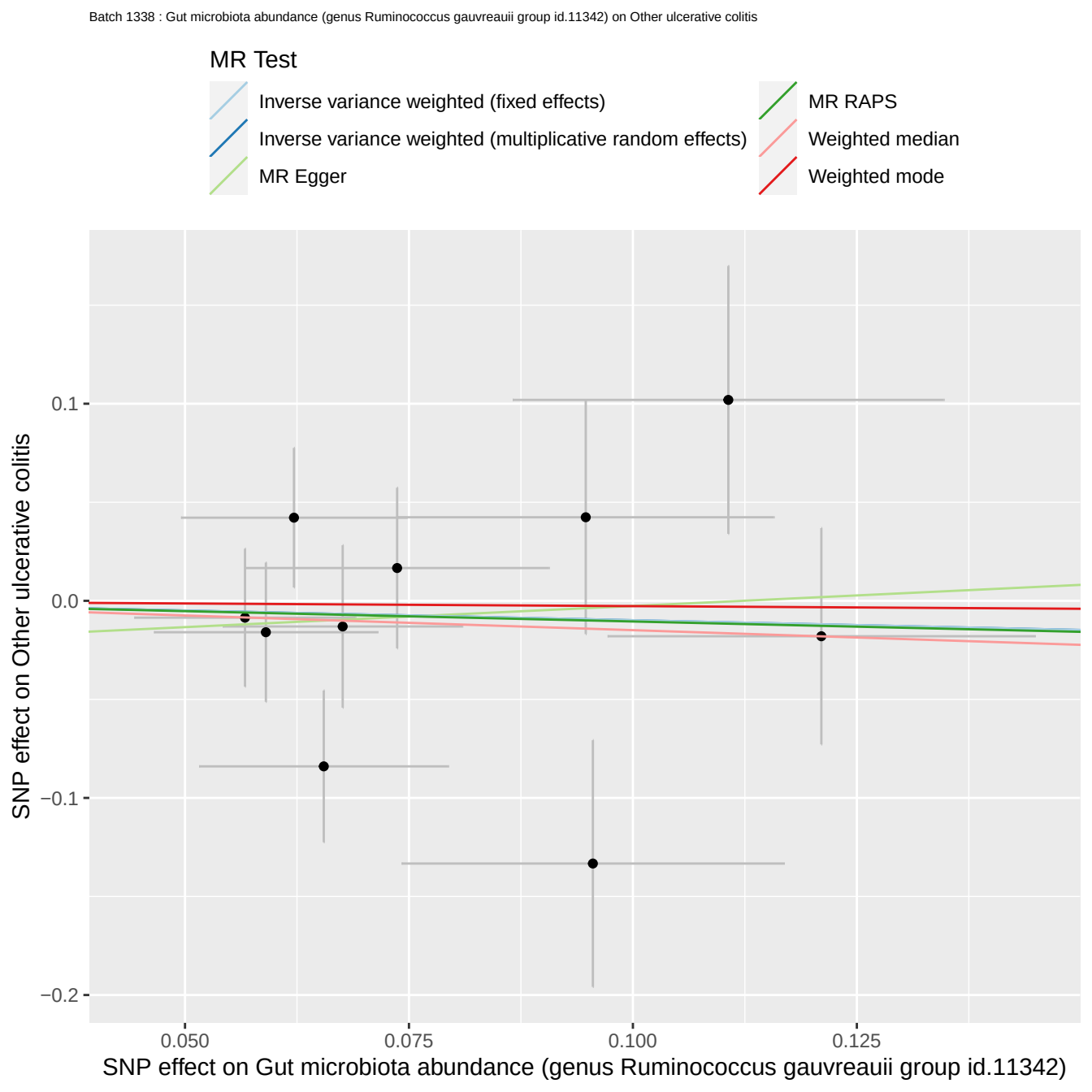
Batch 1334 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Other ulcerative colitis

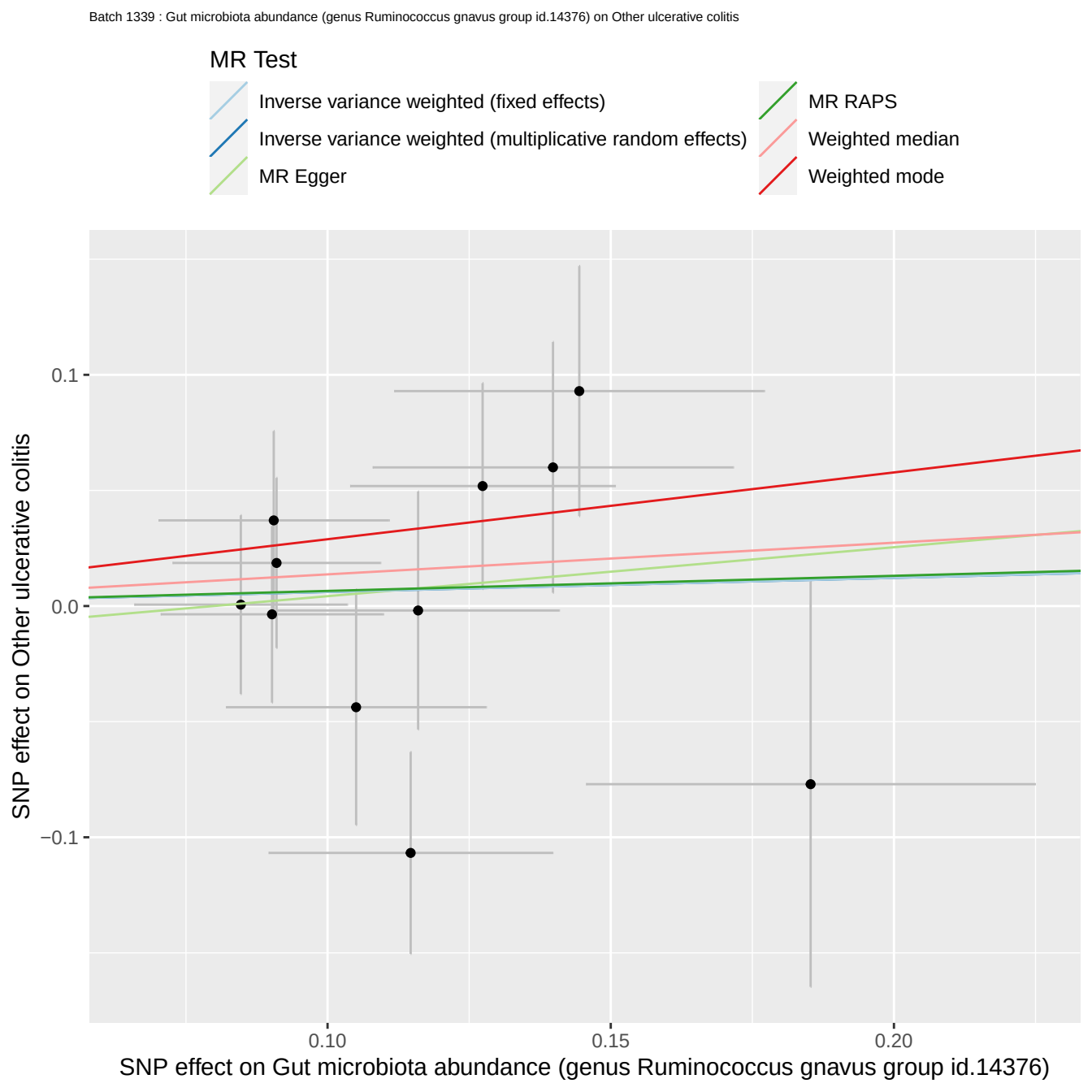


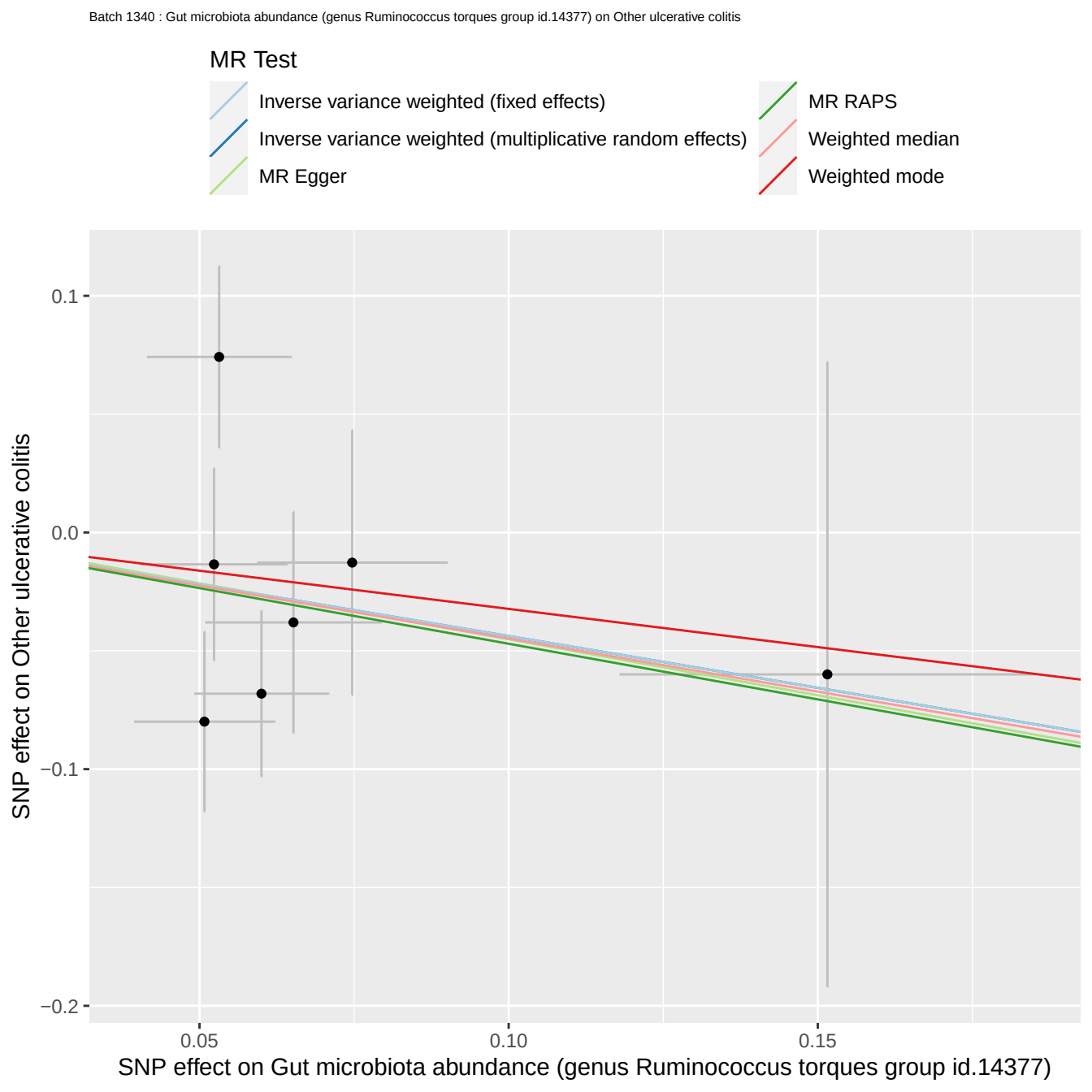

Batch 1335 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

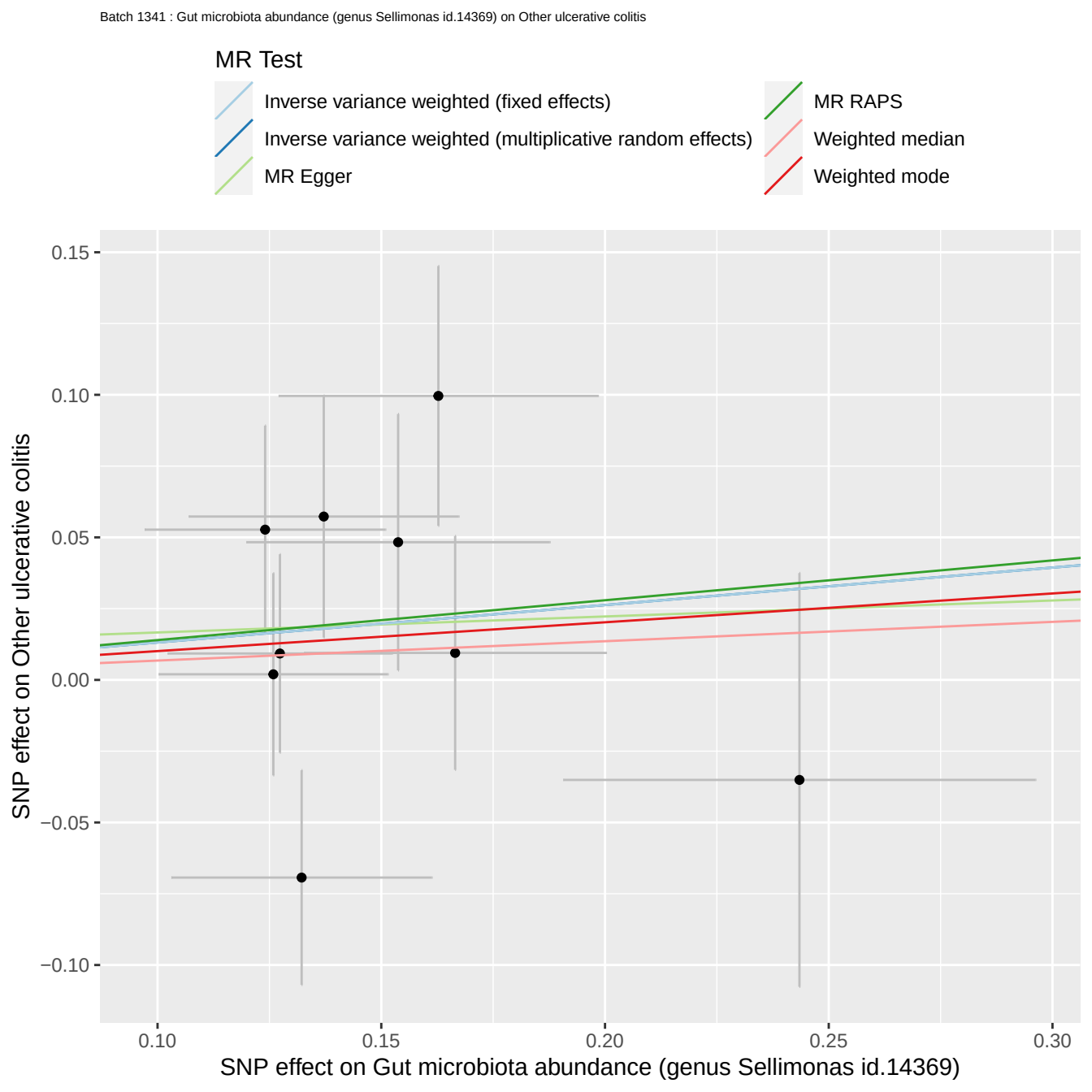

Batch 1336 : Gut microbiota abundance (genus Ruminococcus1 id.11373) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

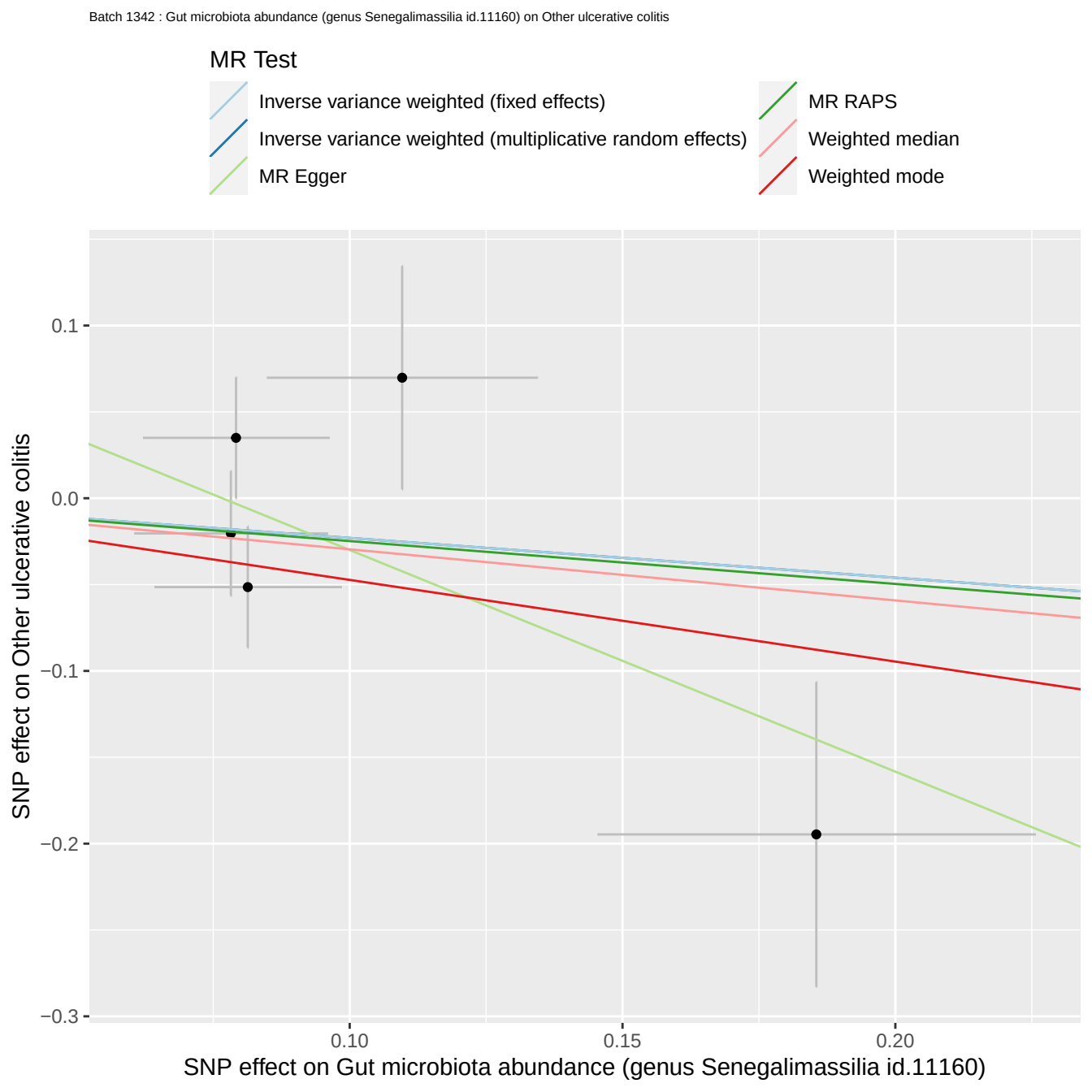

Batch 1337 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)

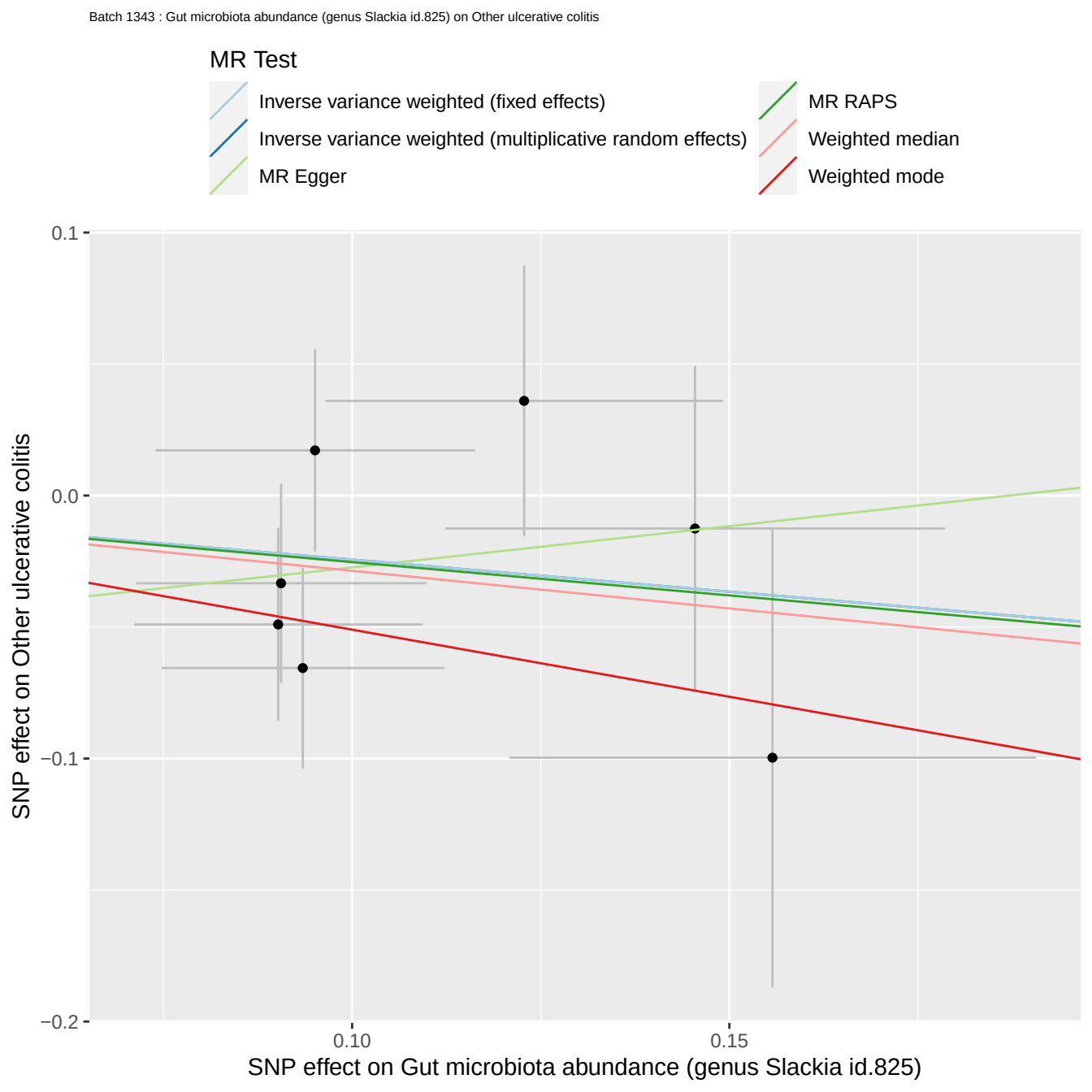

Batch 1338 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

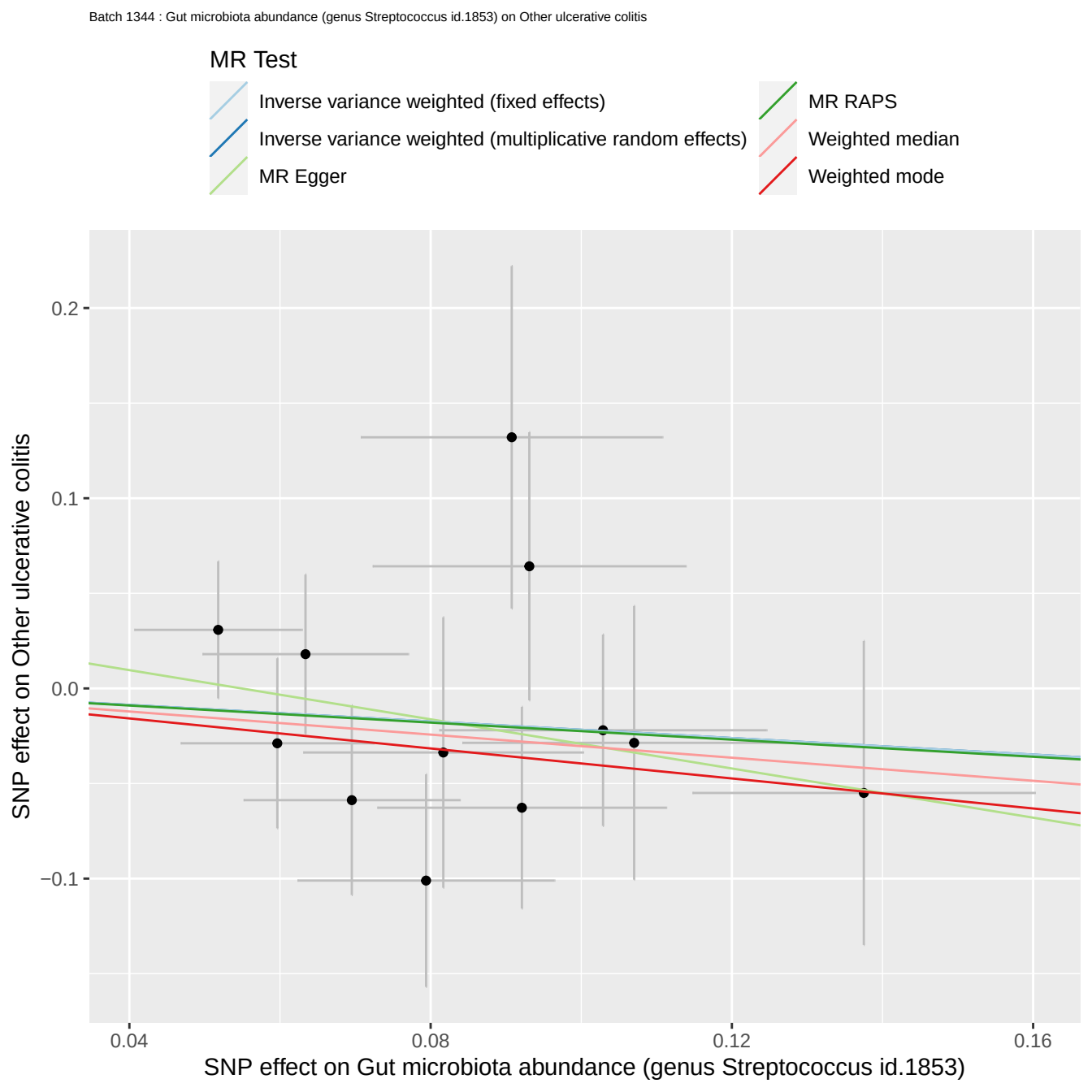

Batch 1339 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

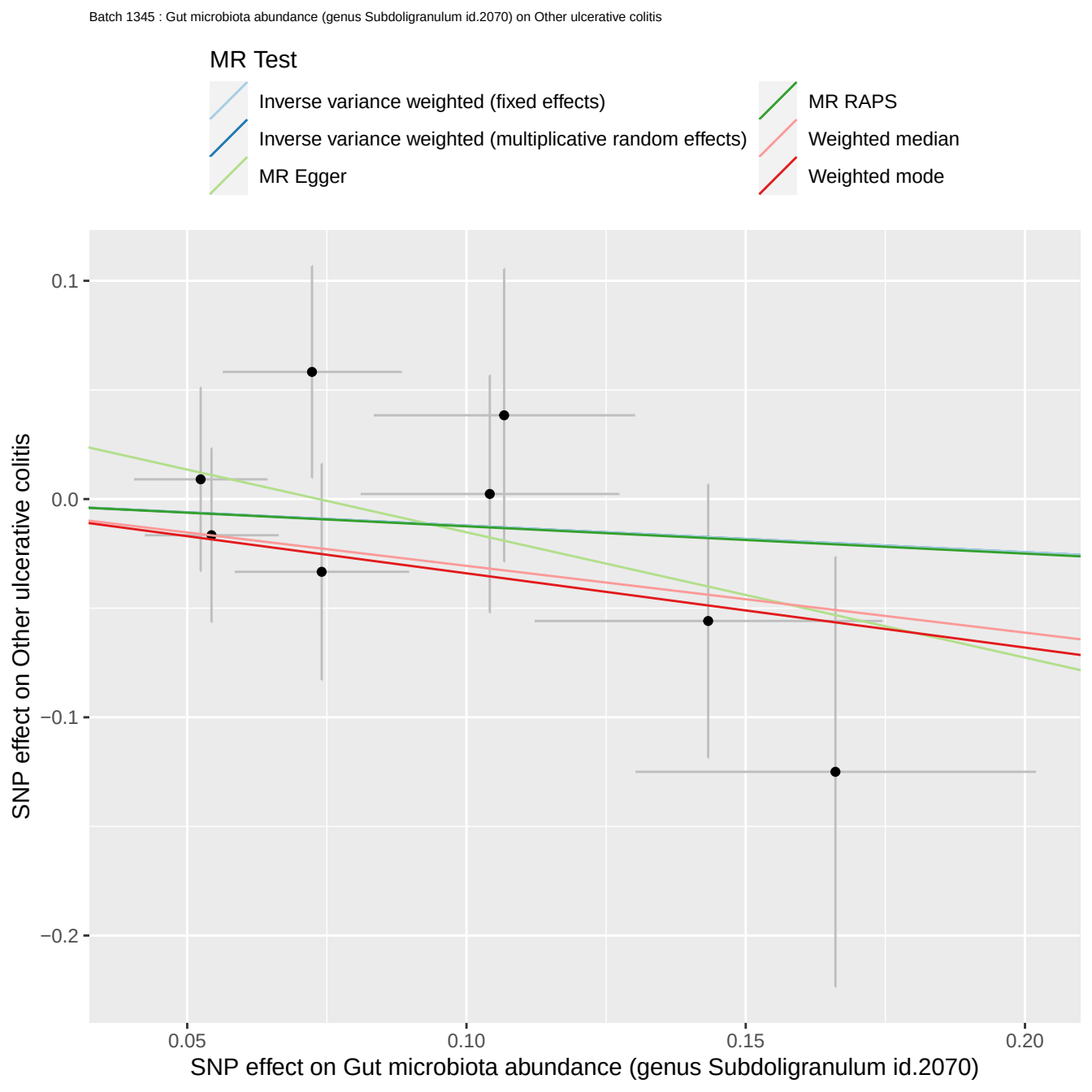

Batch 1340 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
SNP effect on Other ulcerative colitis
SNP effect on Gut microbiota abundance (genus Ruminococcus torques group id.14377)

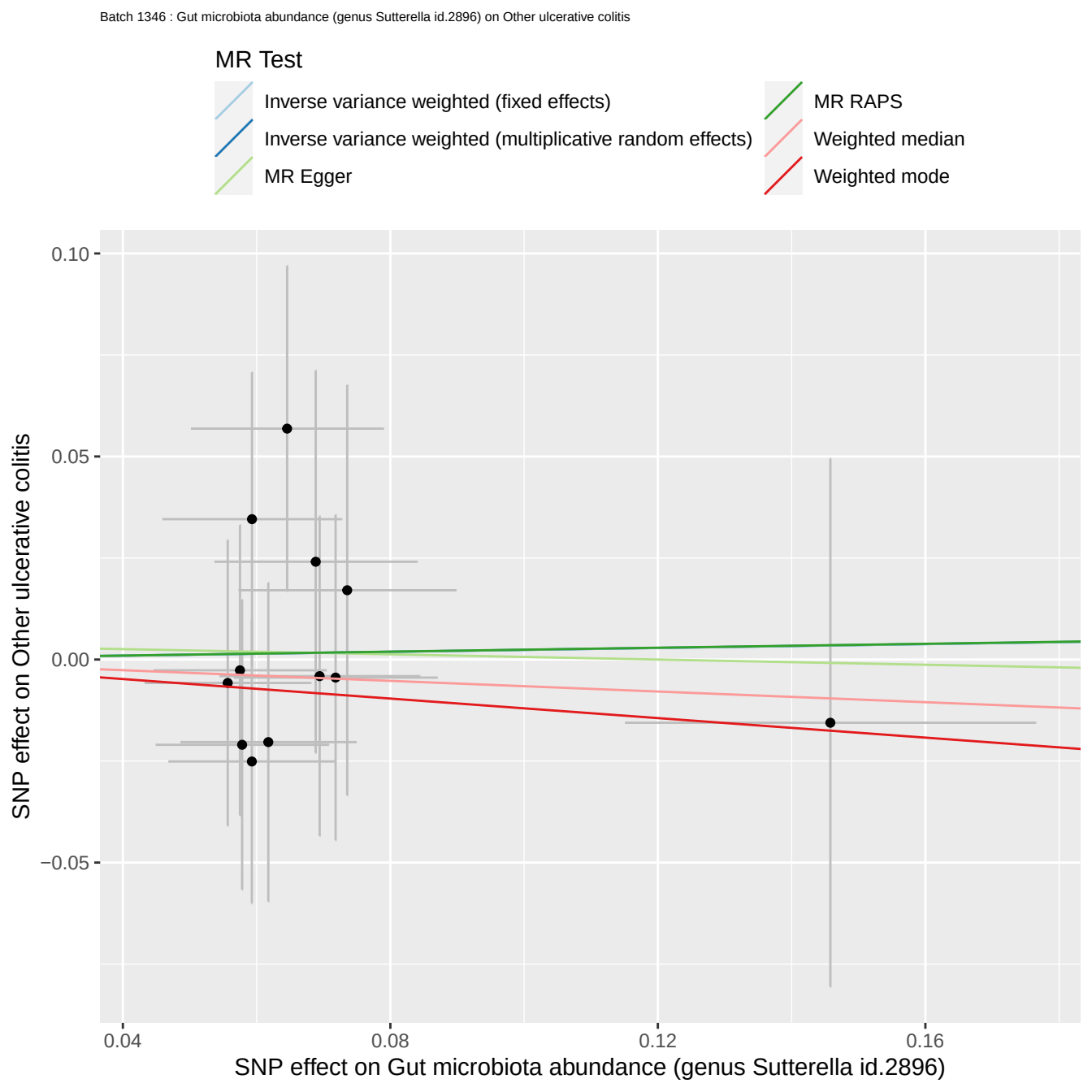

Batch 1341 : Gut microbiota abundance (genus Sellimonas id.14369) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

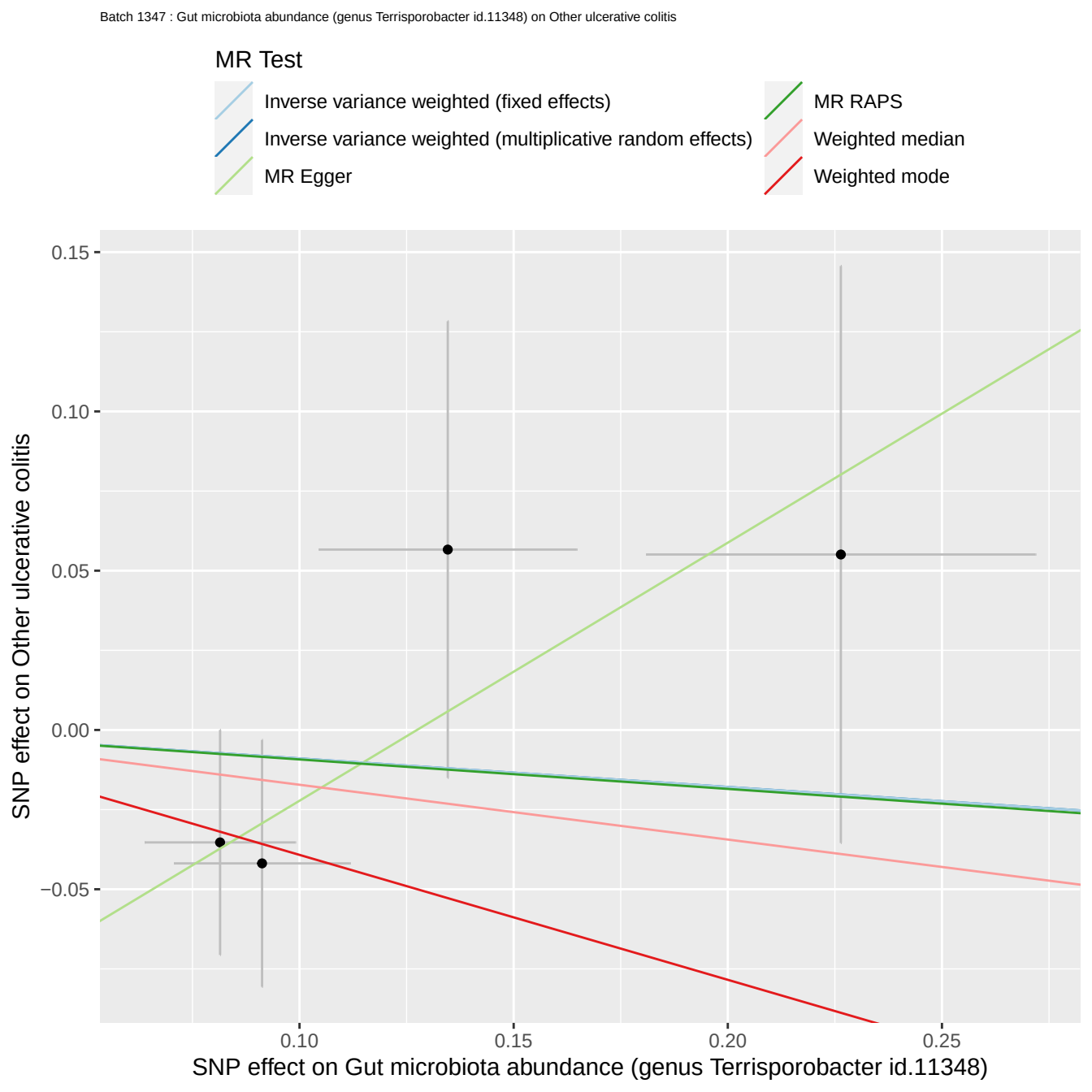

Batch 1342 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
−0.3
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Senegalimassilia id.11160)

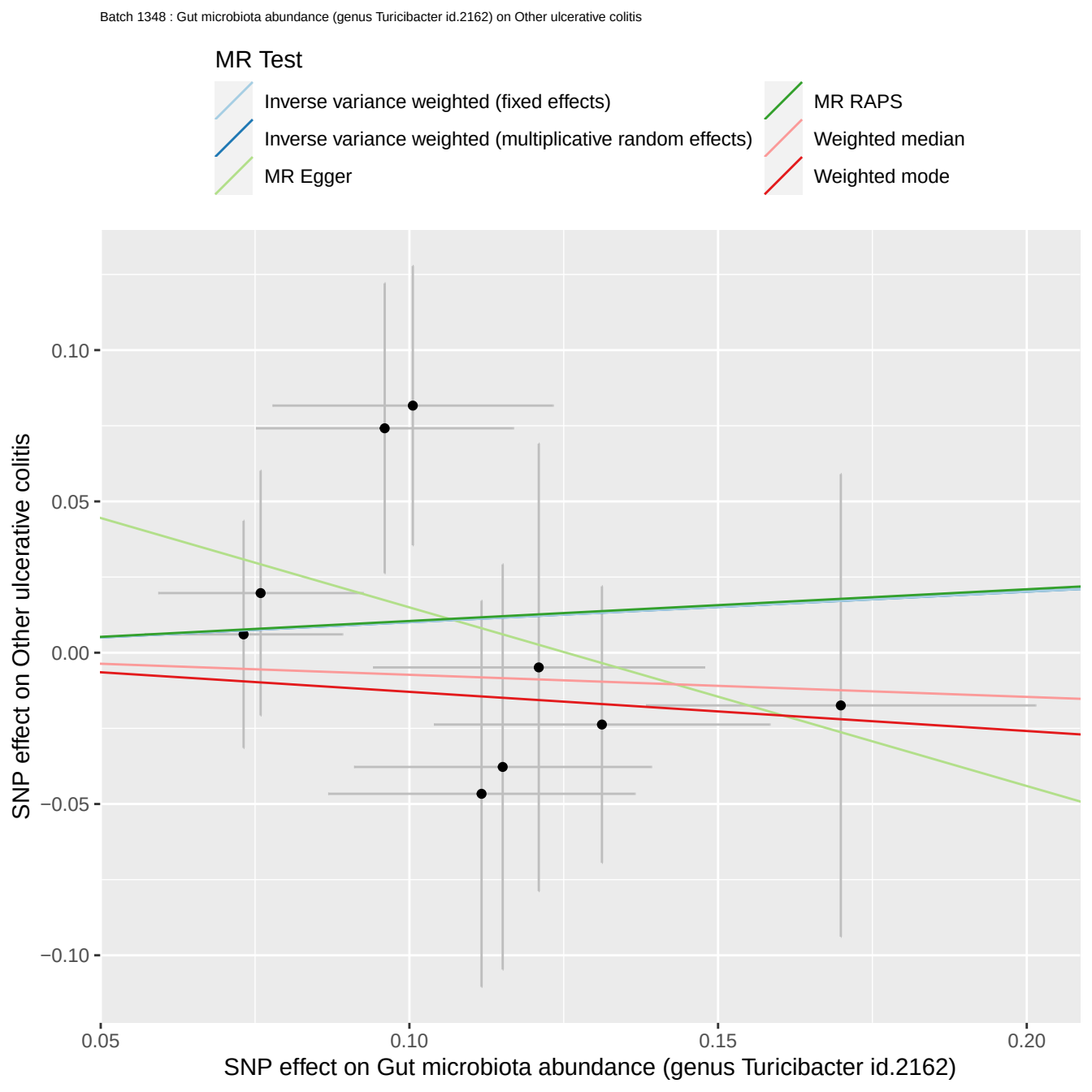

Batch 1343 : Gut microbiota abundance (genus Slackia id.825) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Other ulcerative colitis
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

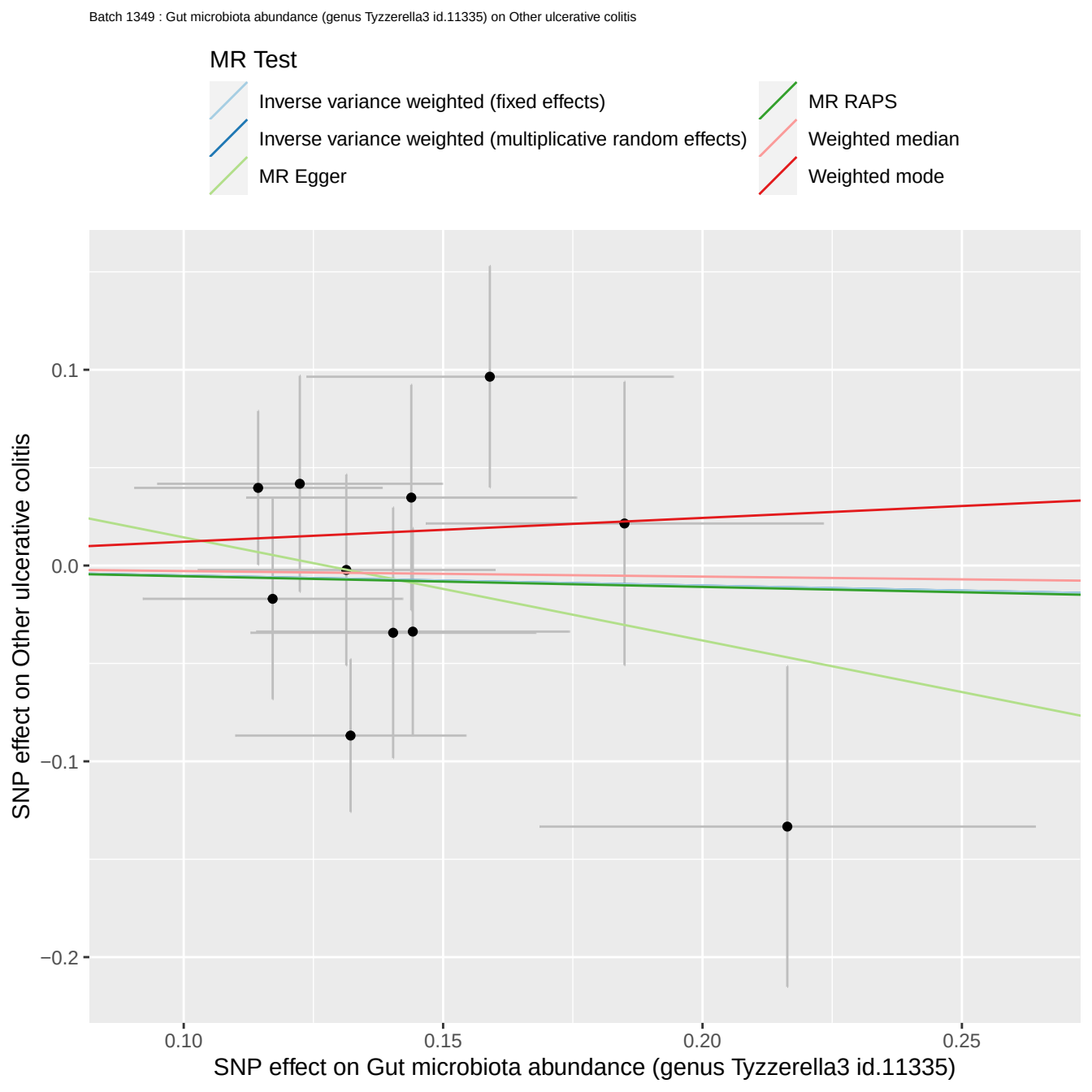

Batch 1344 : Gut microbiota abundance (genus Streptococcus id.1853) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.2
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)

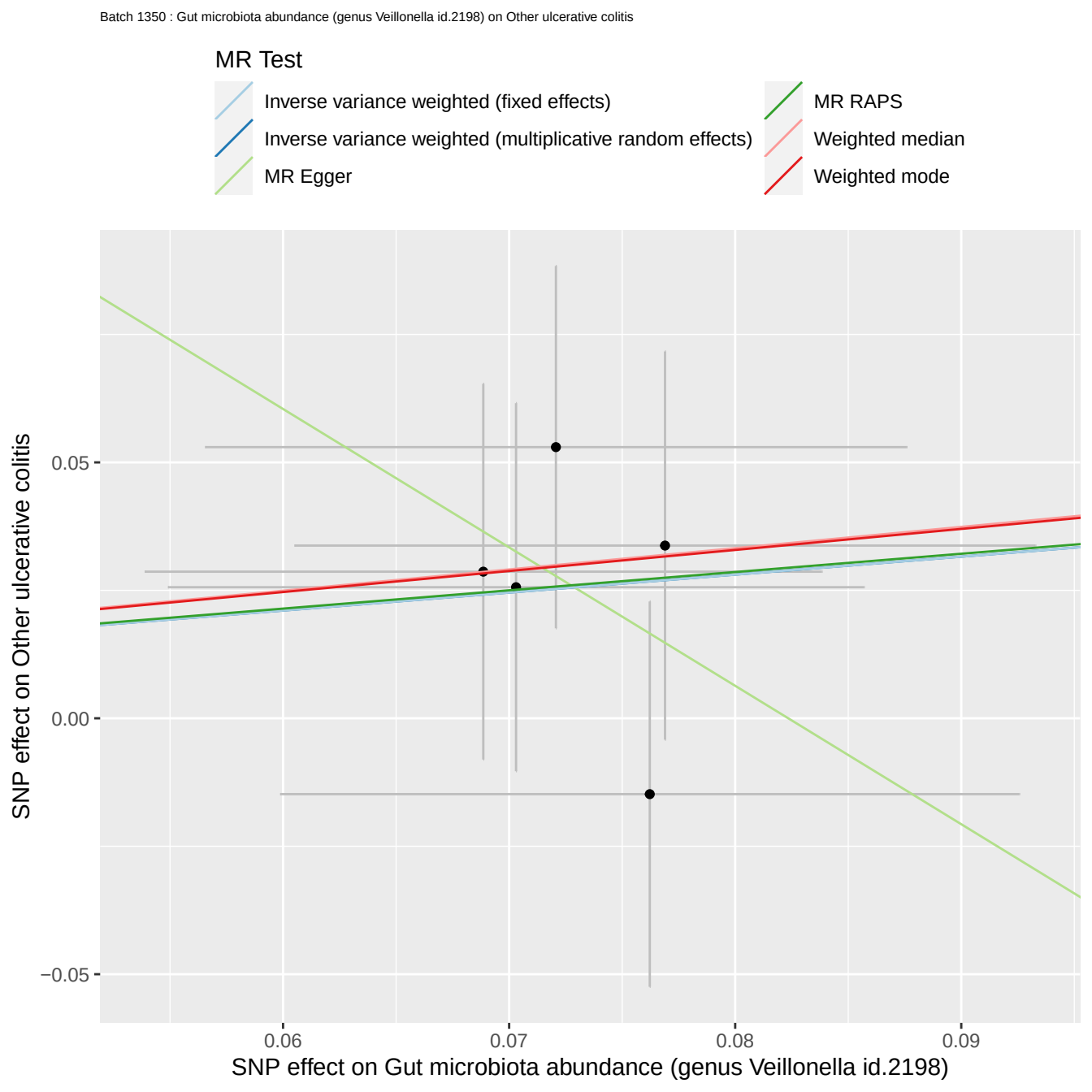

Batch 1345 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

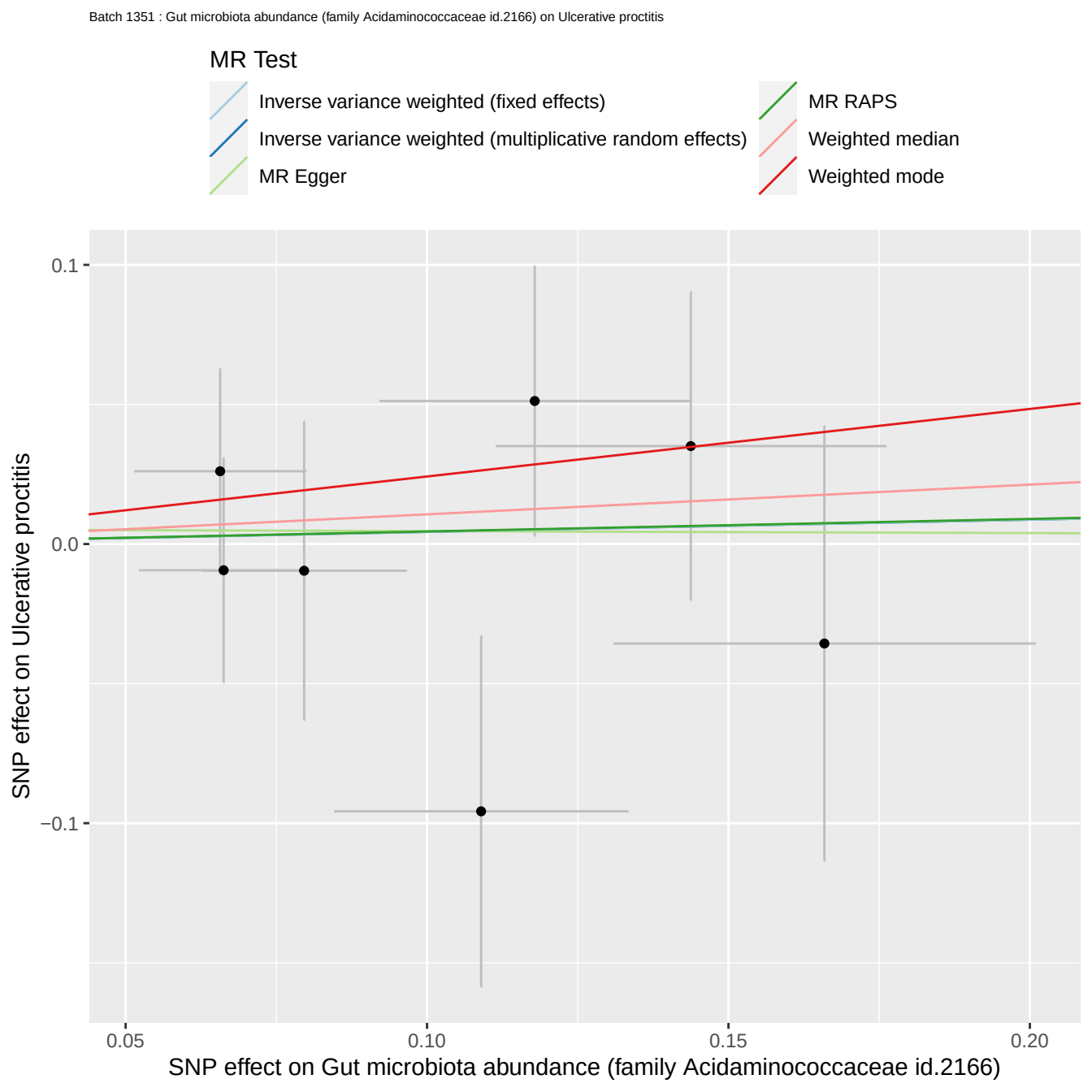

Batch 1346 : Gut microbiota abundance (genus Sutterella id.2896) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

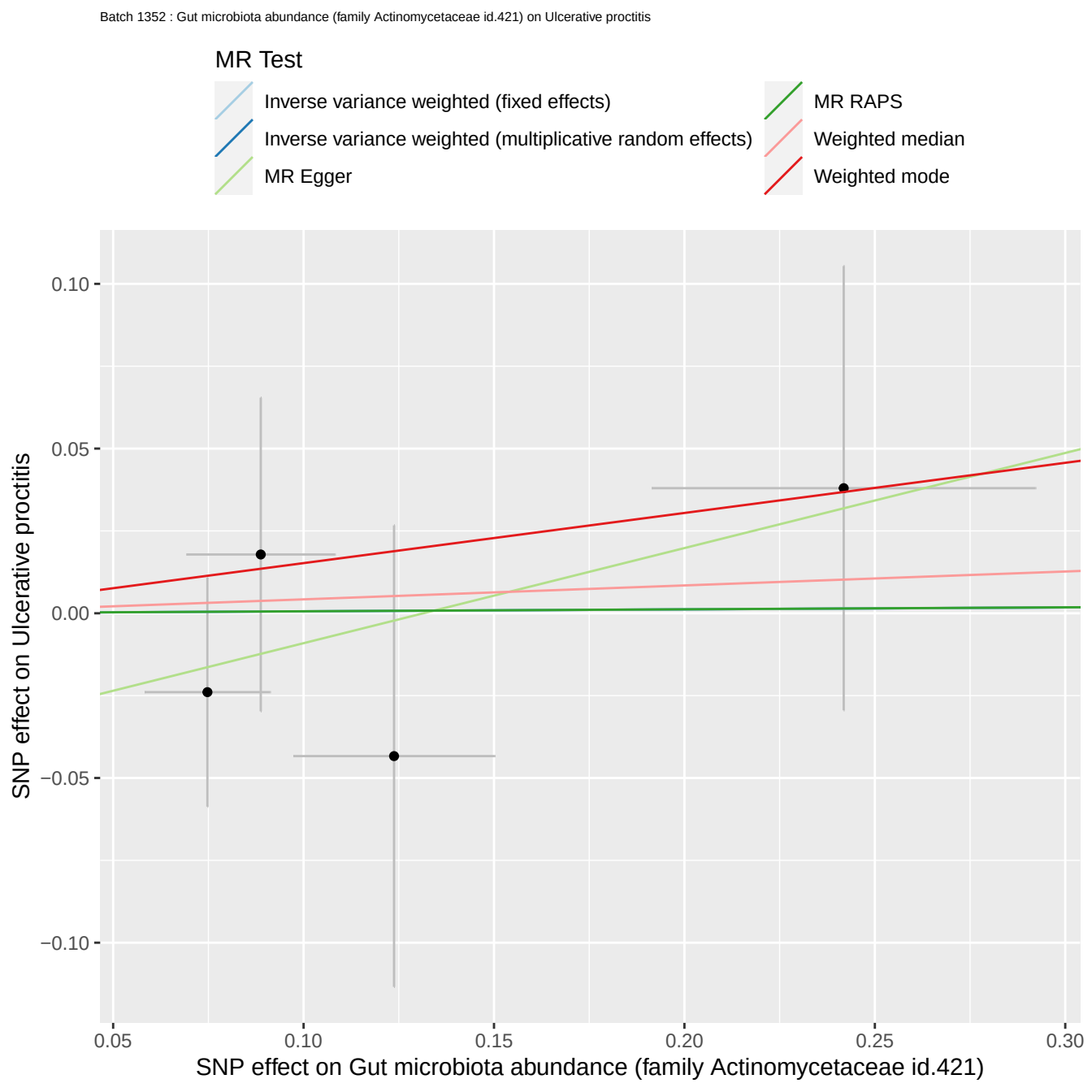

Batch 1347 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
SNP effect on Other ulcerative colitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

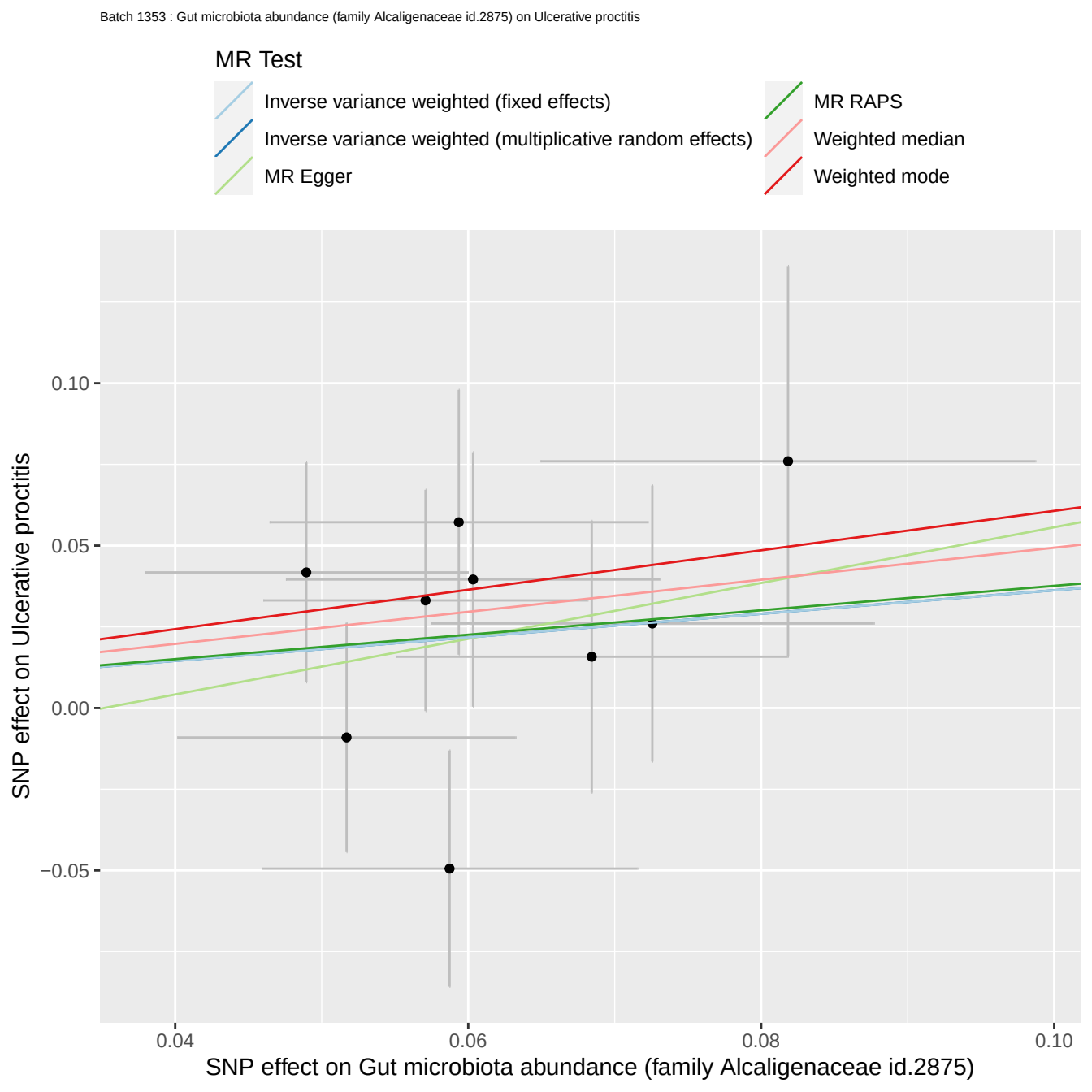

Batch 1348 : Gut microbiota abundance (genus Turicibacter id.2162) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)


Batch 1349 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

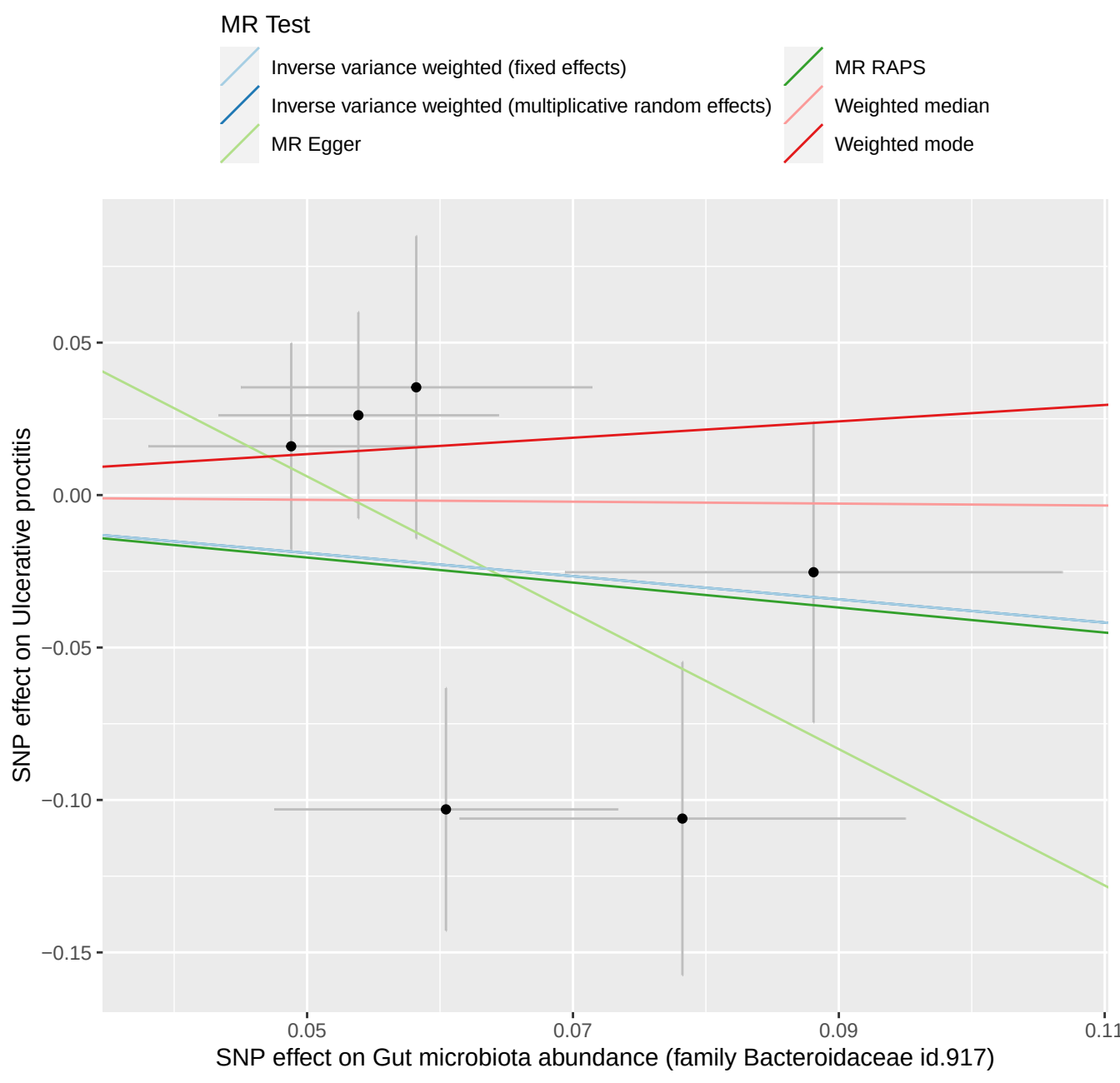

Batch 1350 : Gut microbiota abundance (genus Veillonella id.2198) on Other ulcerative colitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Other ulcerative colitis
0.05
0.00
−0.05
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)

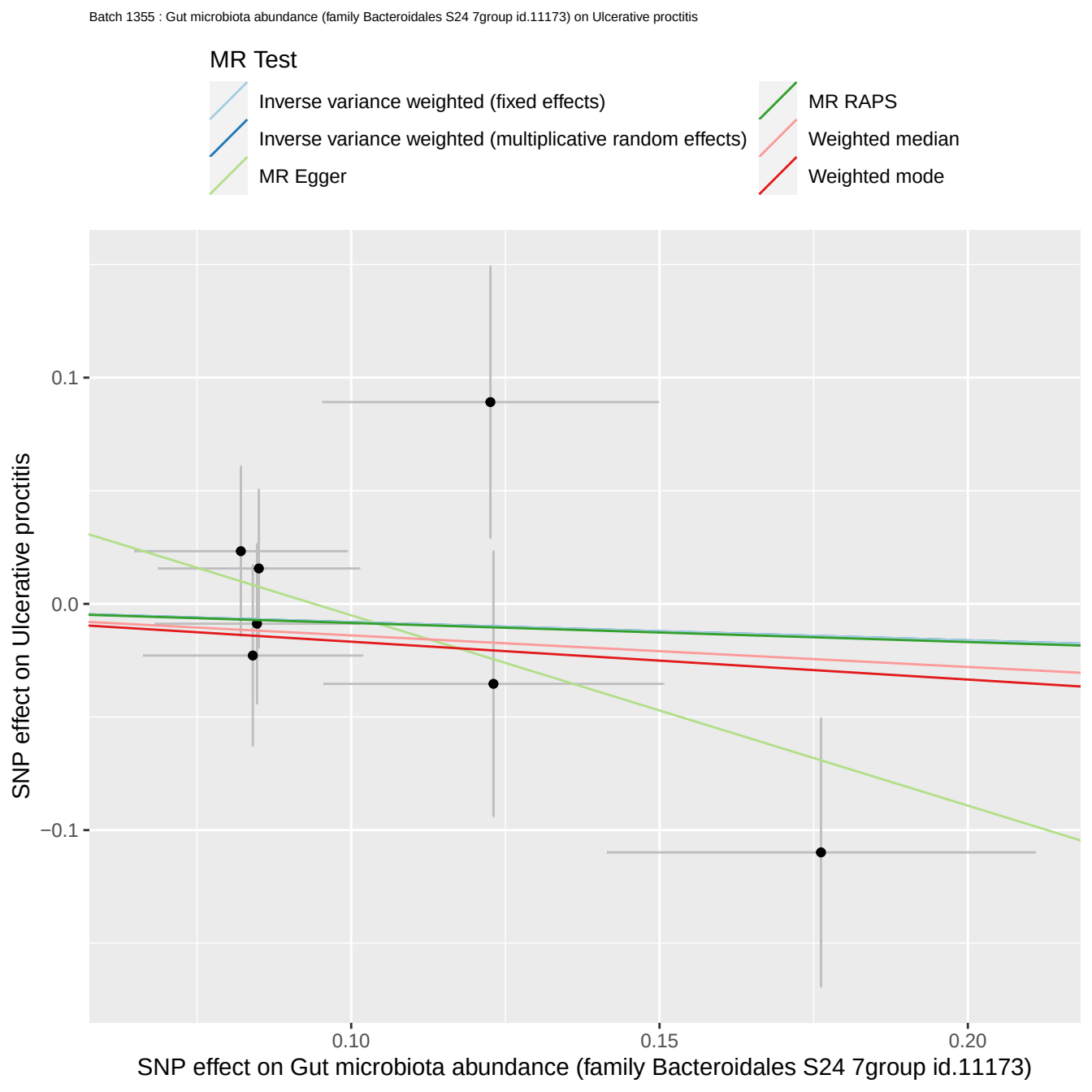

Batch 1351 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

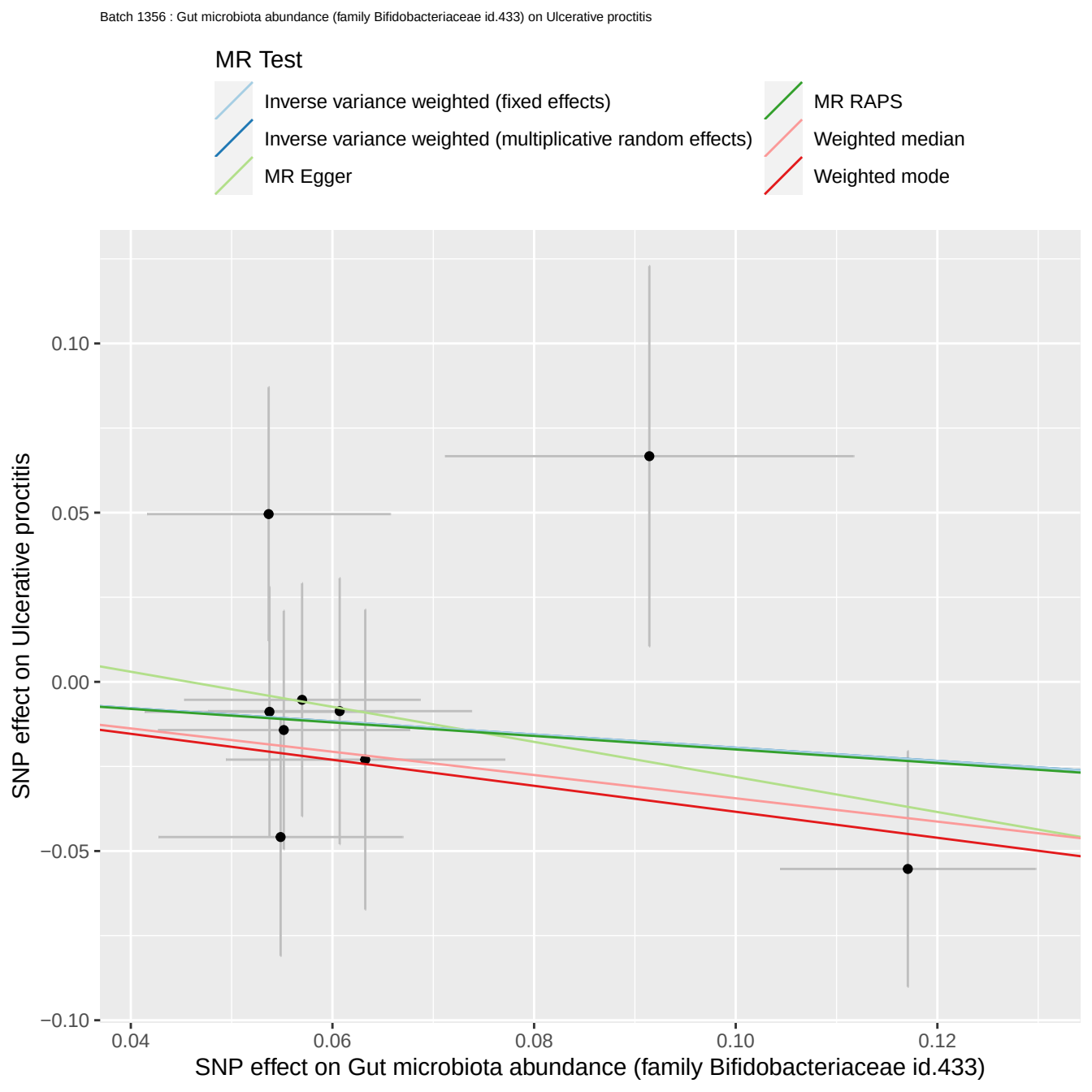

Batch 1352 : Gut microbiota abundance (family Actinomycetaceae id.421) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

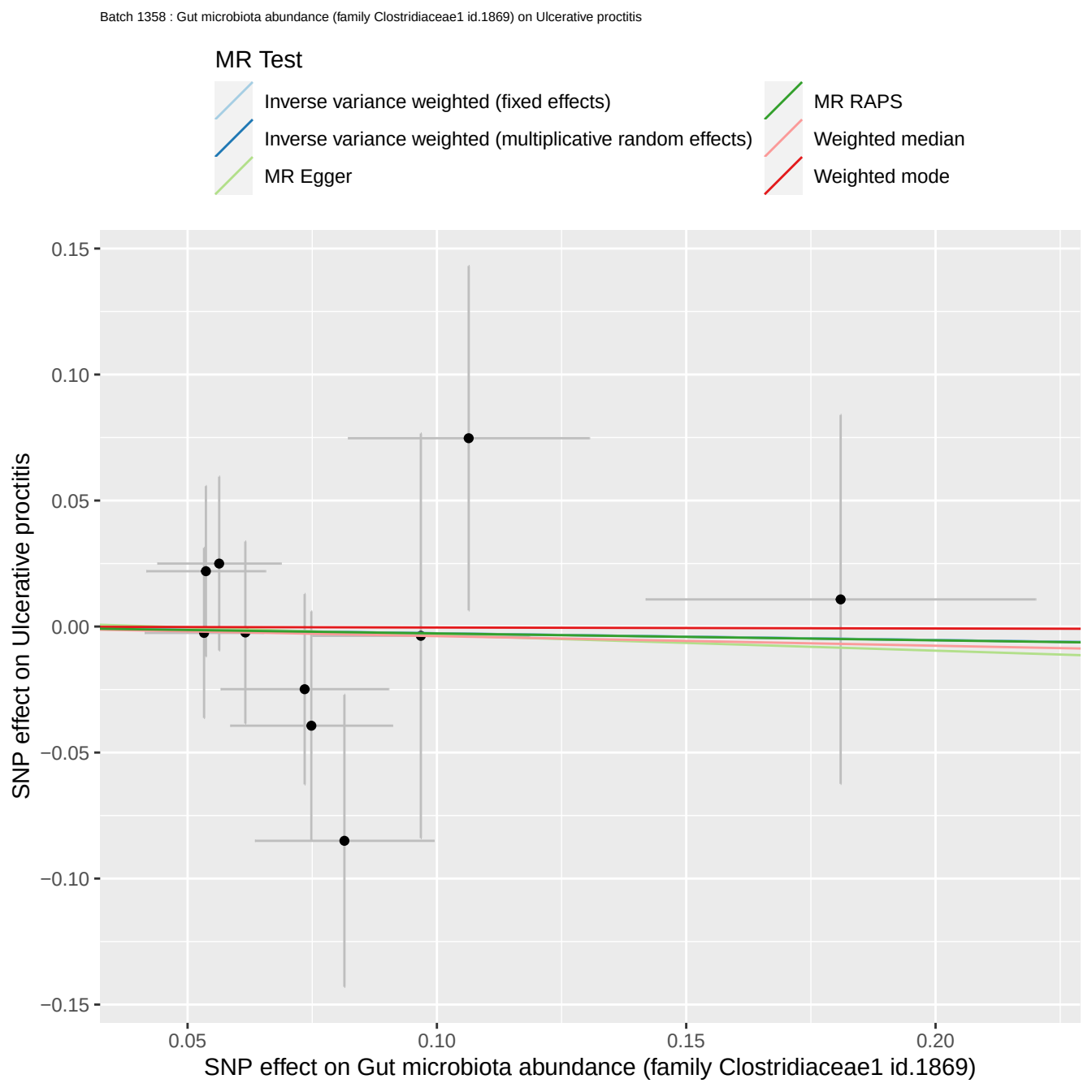

Batch 1353 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

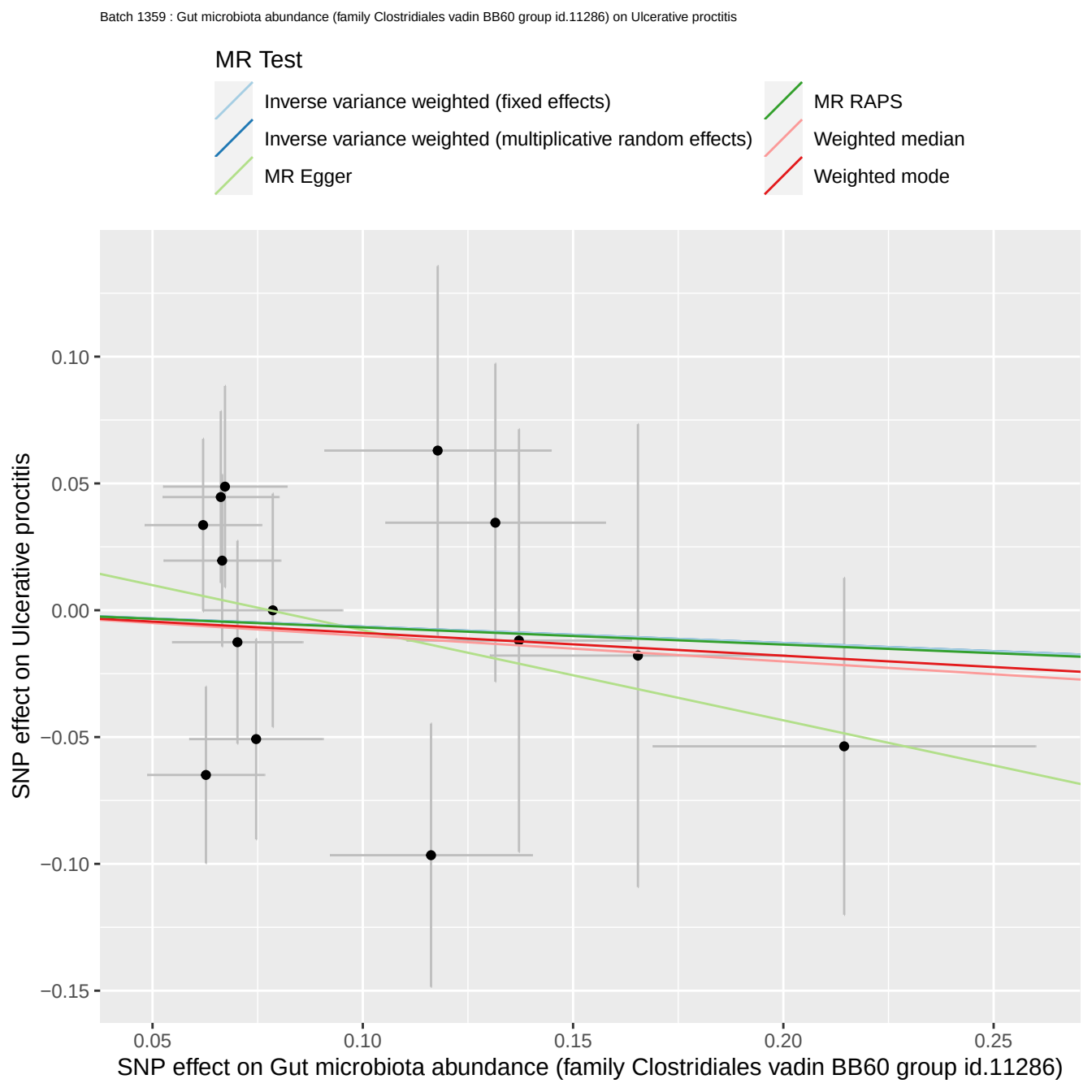
Batch 1354 : Gut microbiota abundance (family Bacteroidaceae id.917) on Ulcerative proctitis

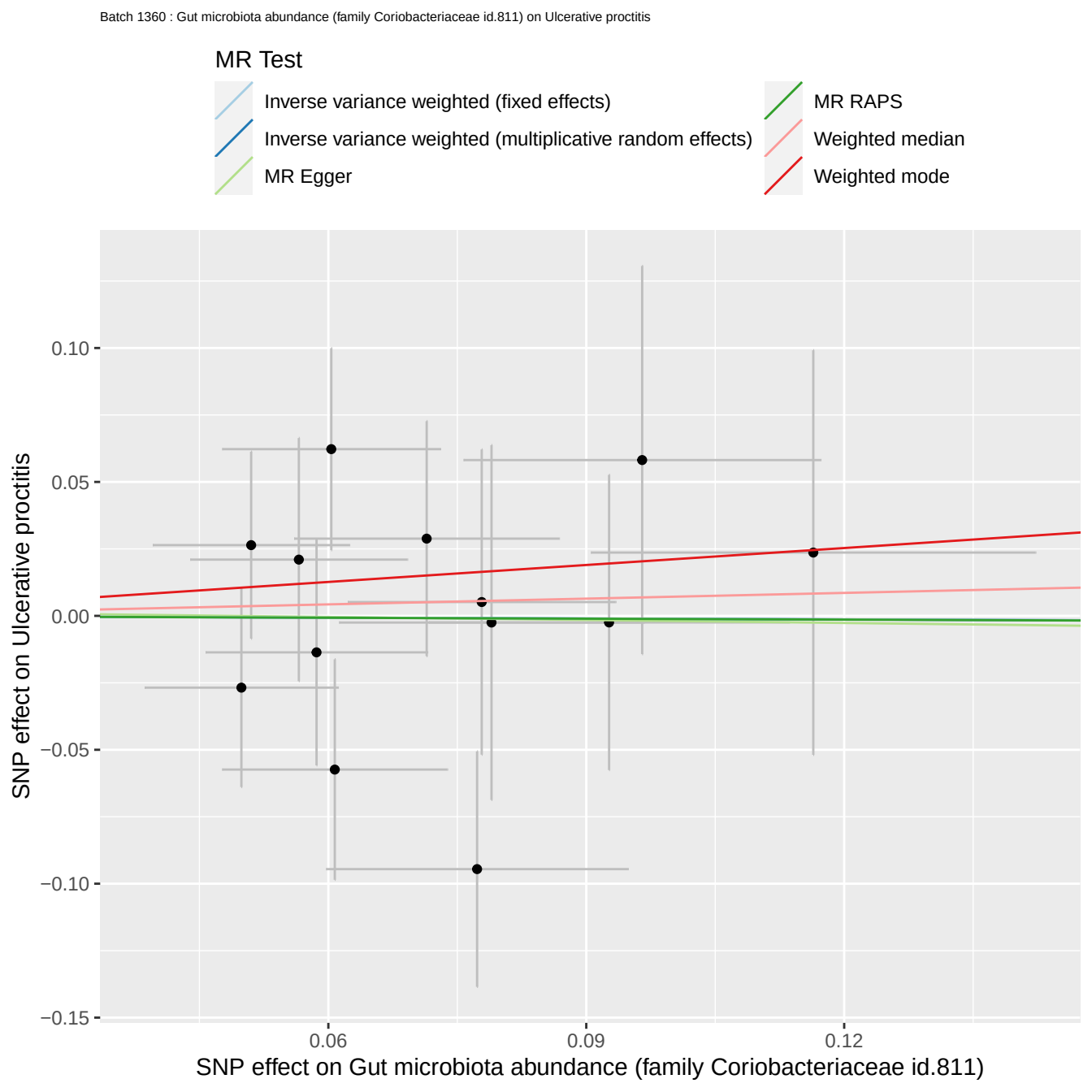


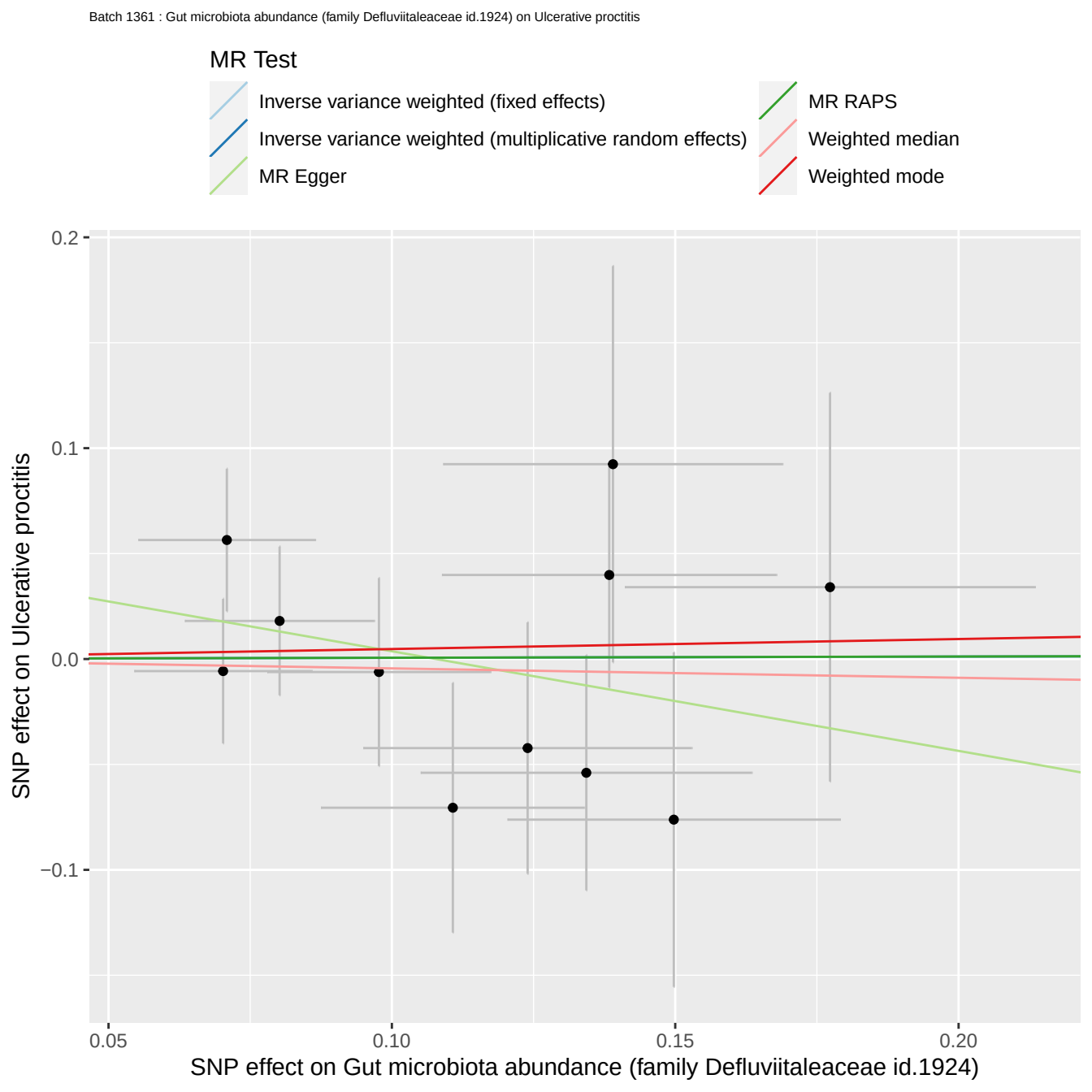

Batch 1355 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)

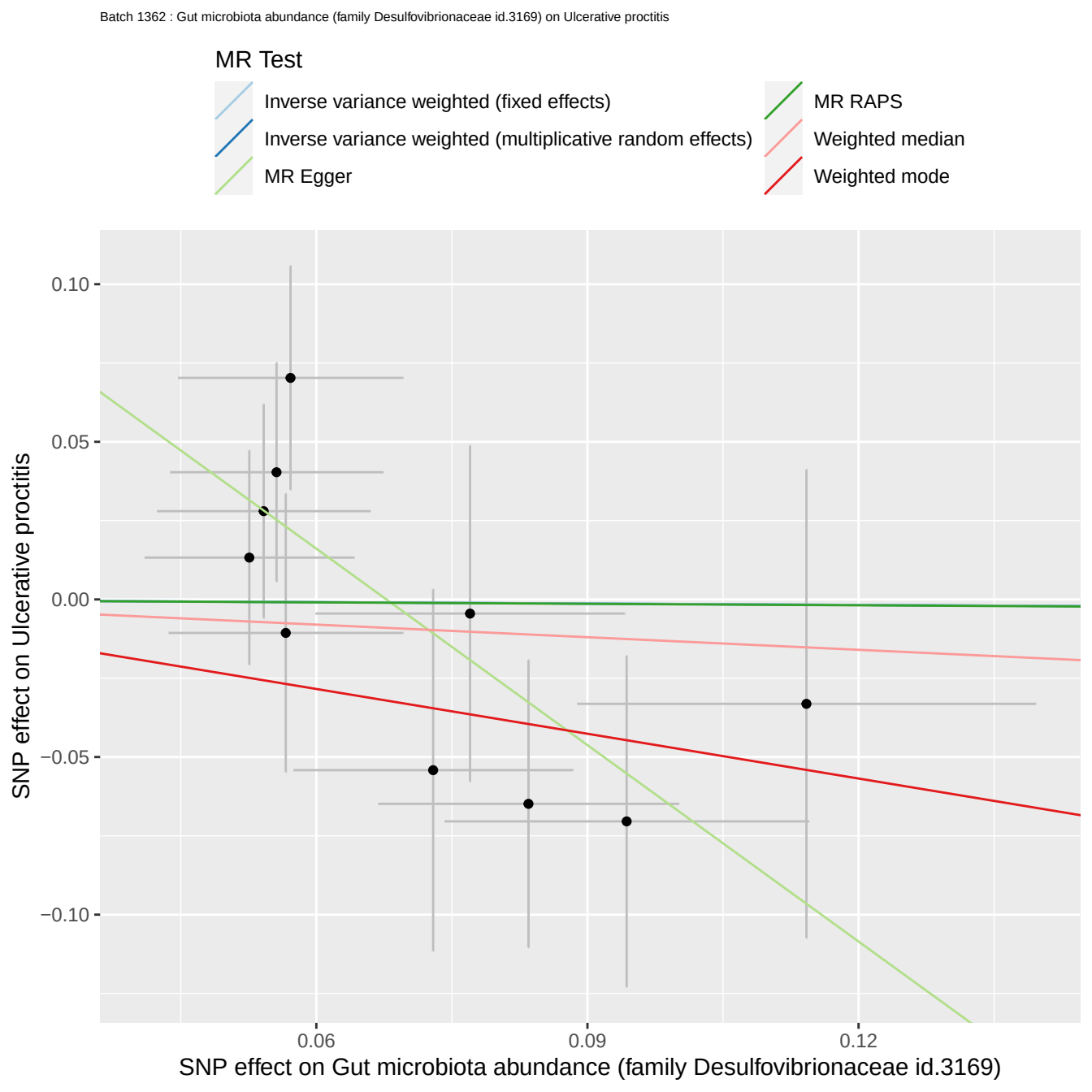

Batch 1356 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

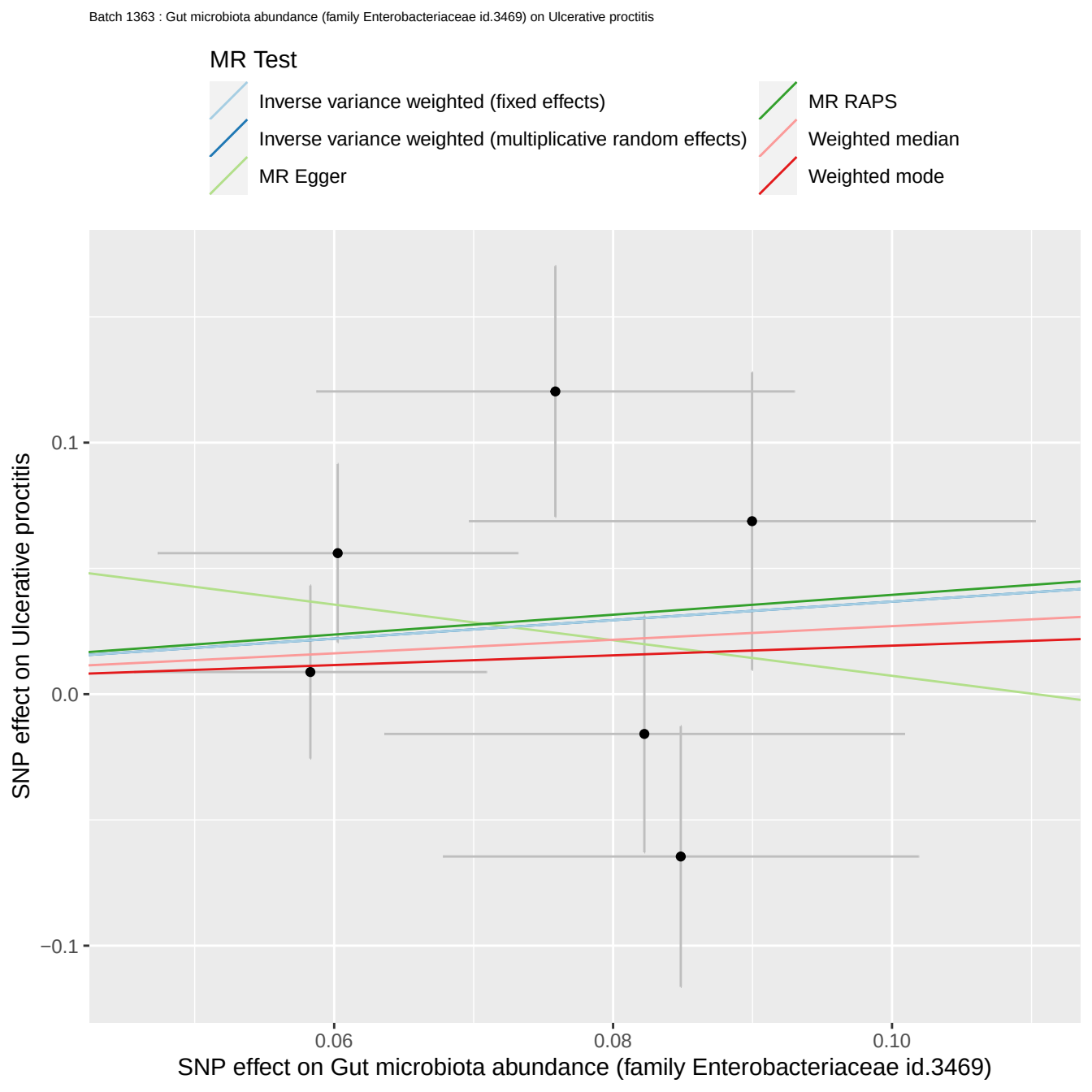

Batch 1358 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

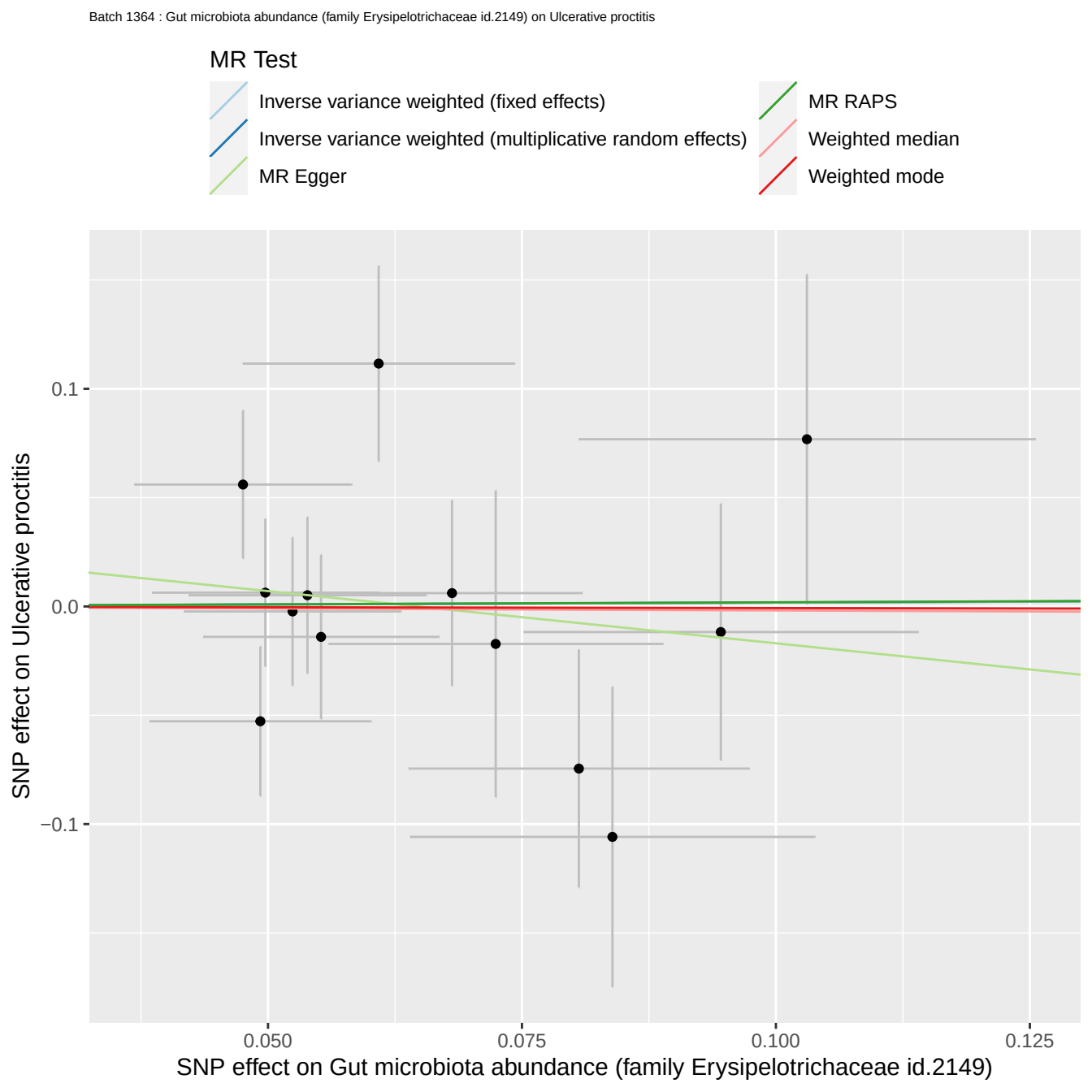

Batch 1359 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

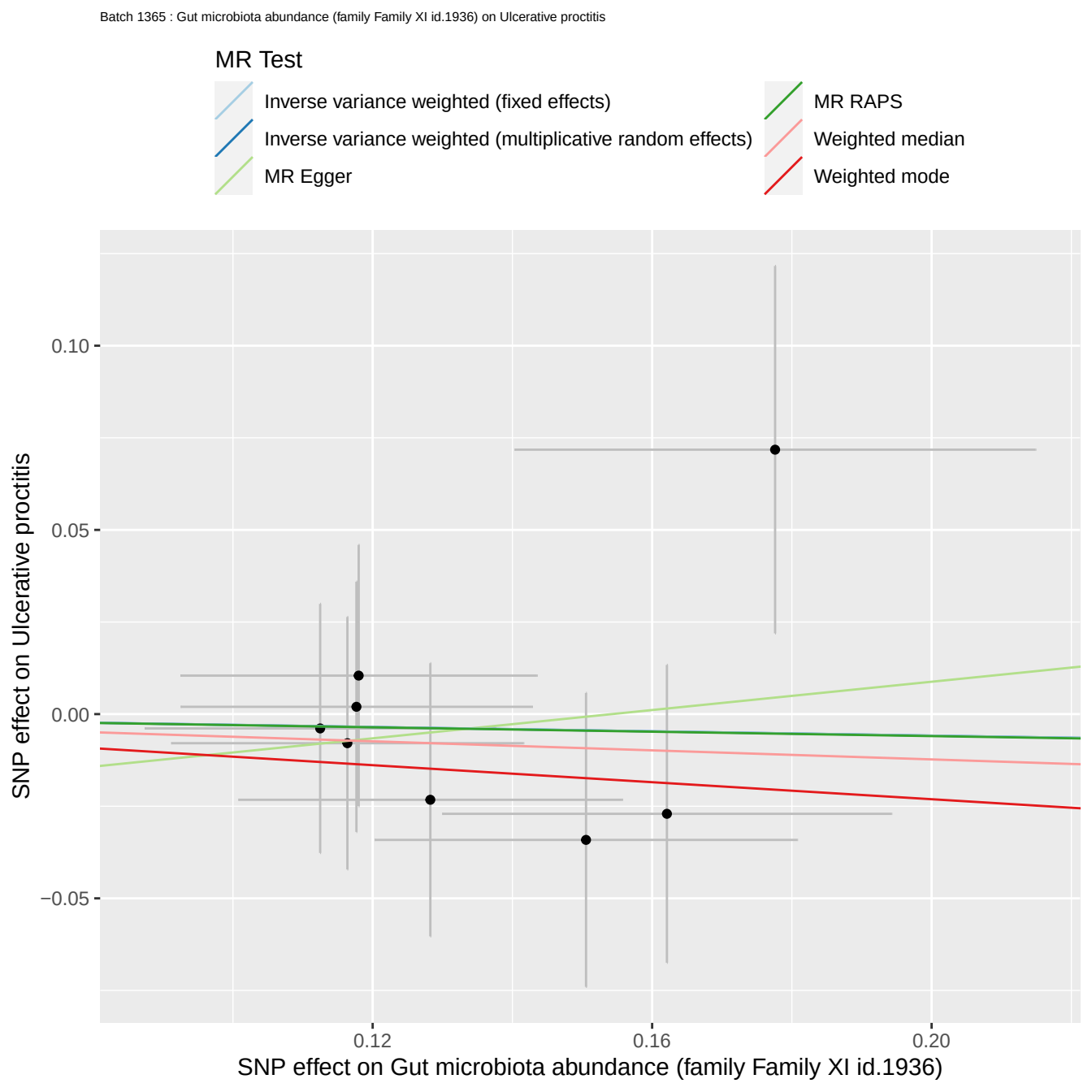

Batch 1360 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)

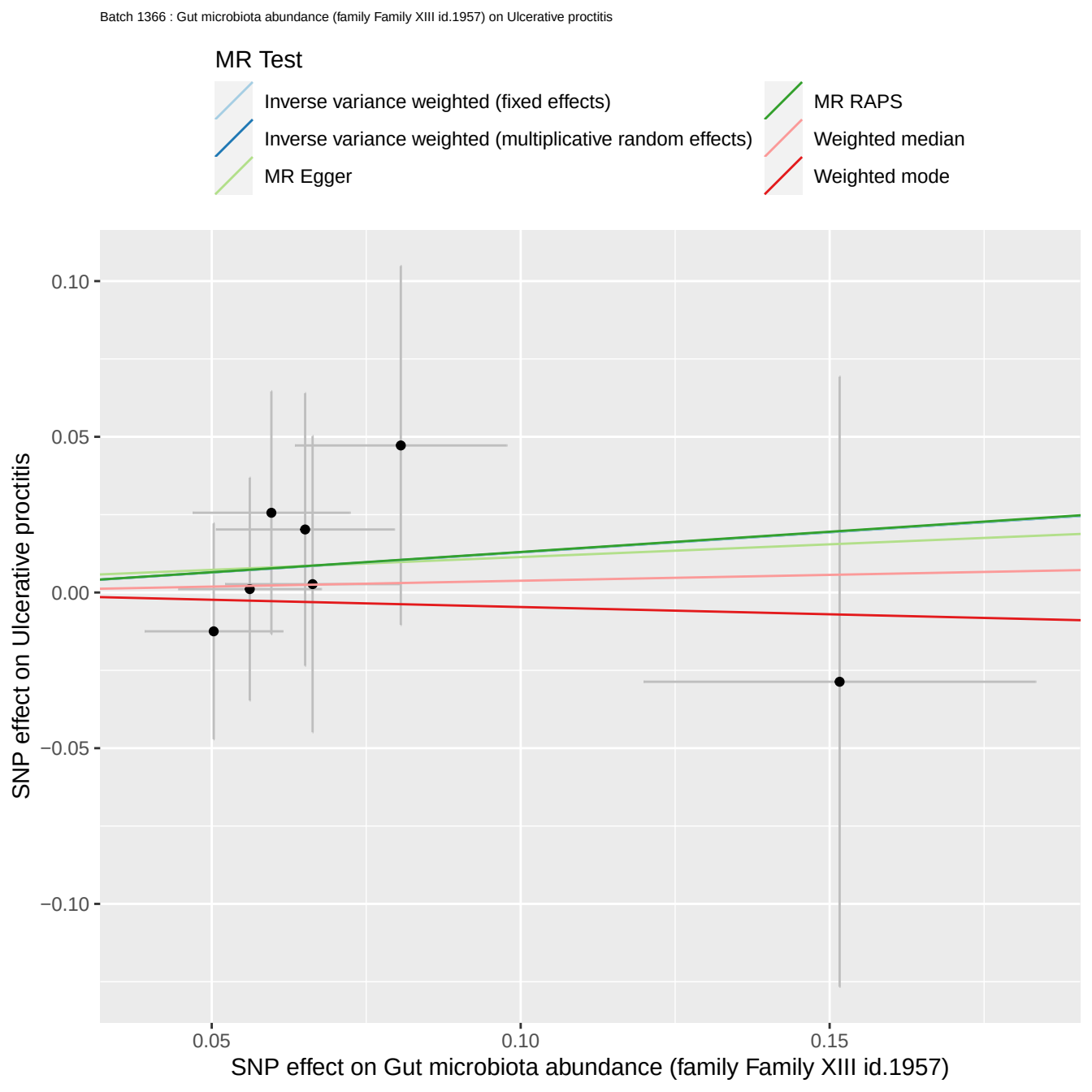

Batch 1361 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

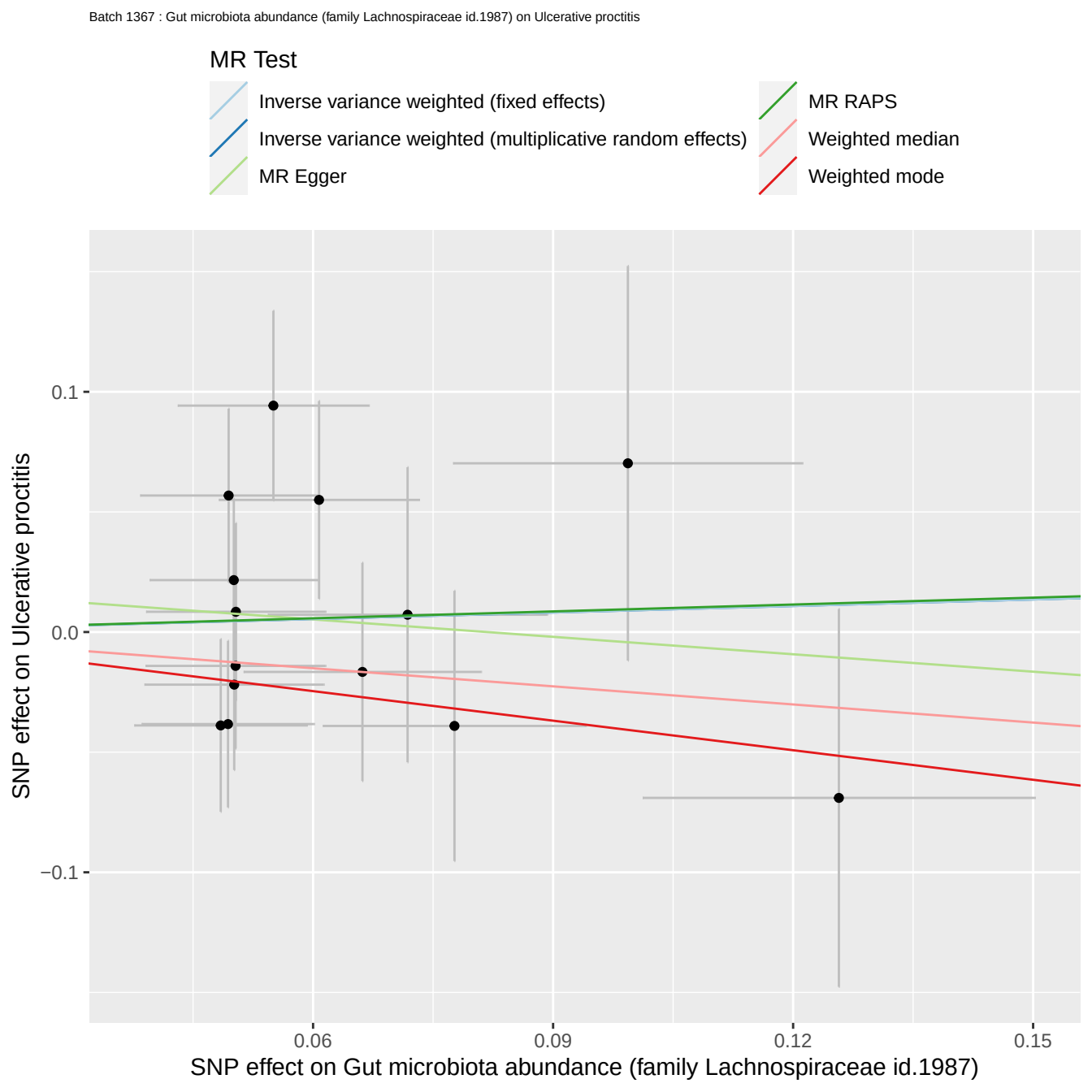

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

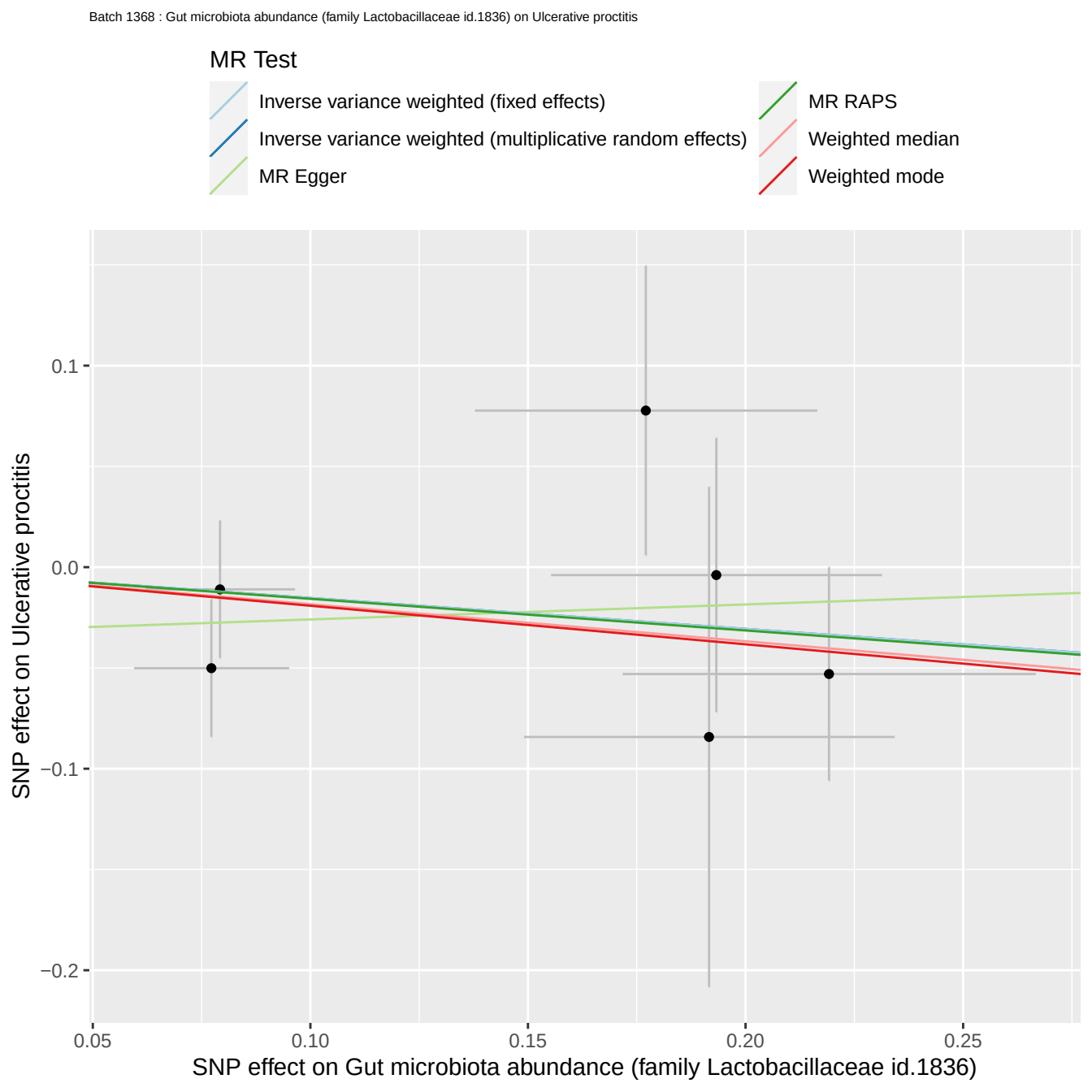

Batch 1363 : Gut microbiota abundance (family Enterobacteriaceae id.3469) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)

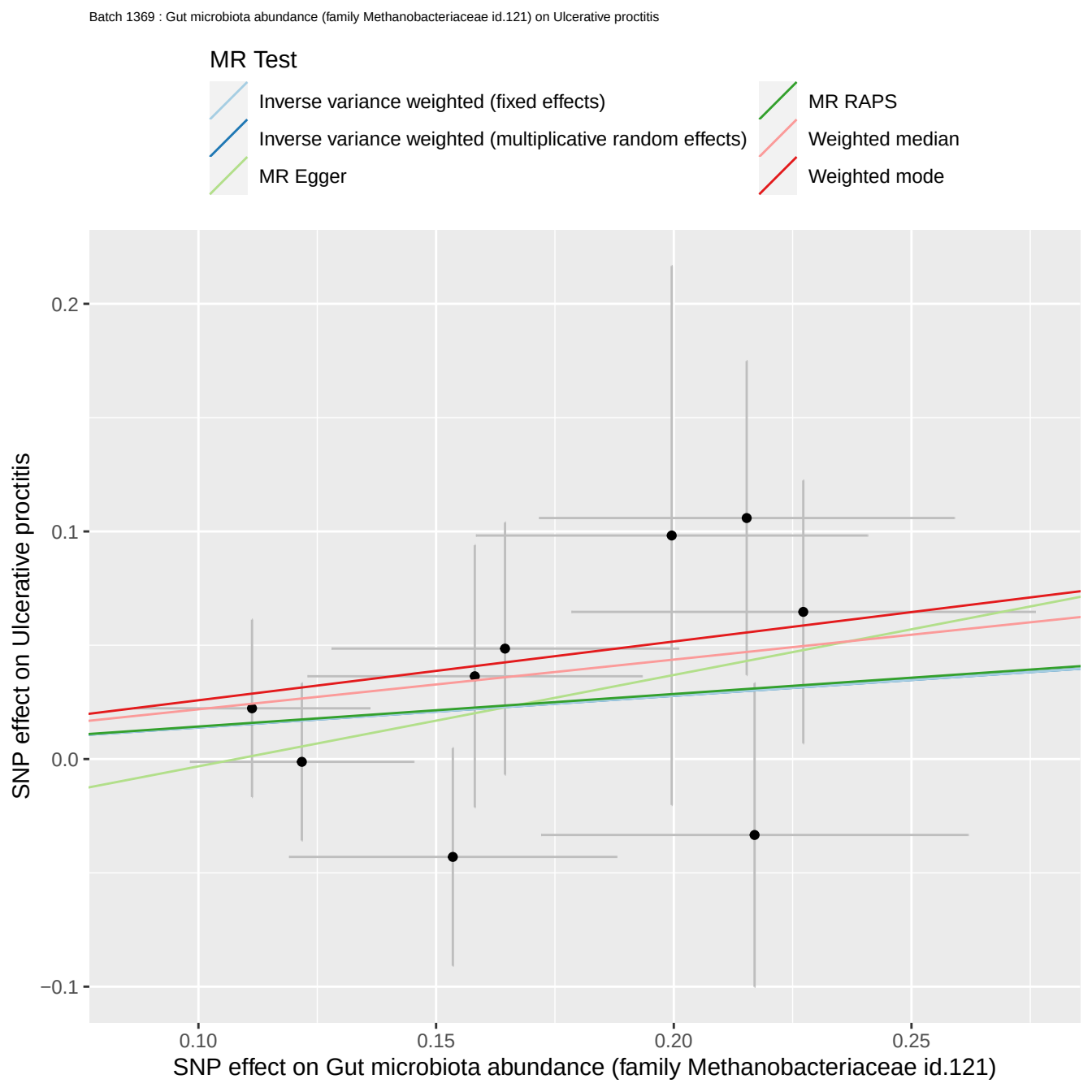

Batch 1364 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Erysipelotrichaceae id.2149)

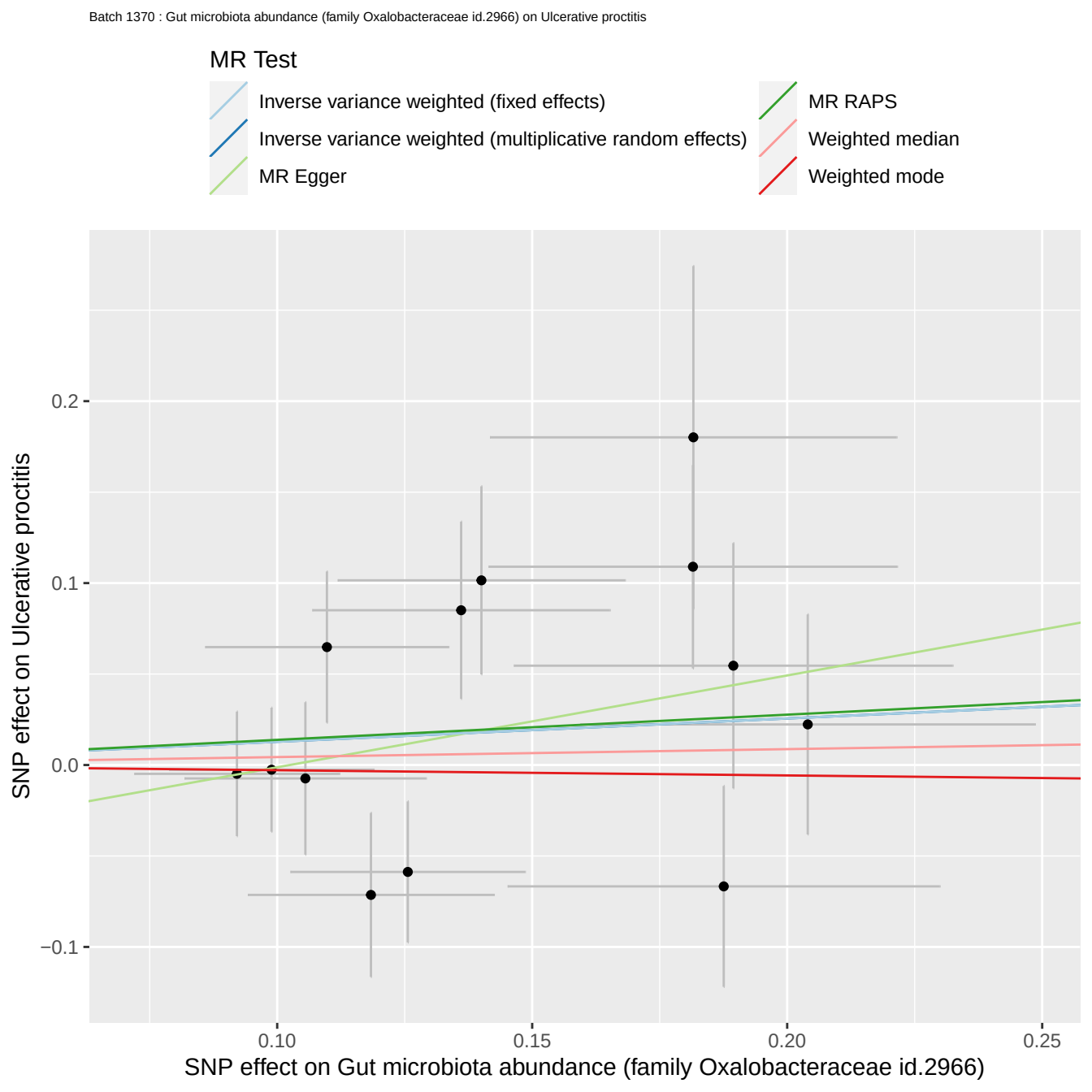

Batch 1365 : Gut microbiota abundance (family Family XI id.1936) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

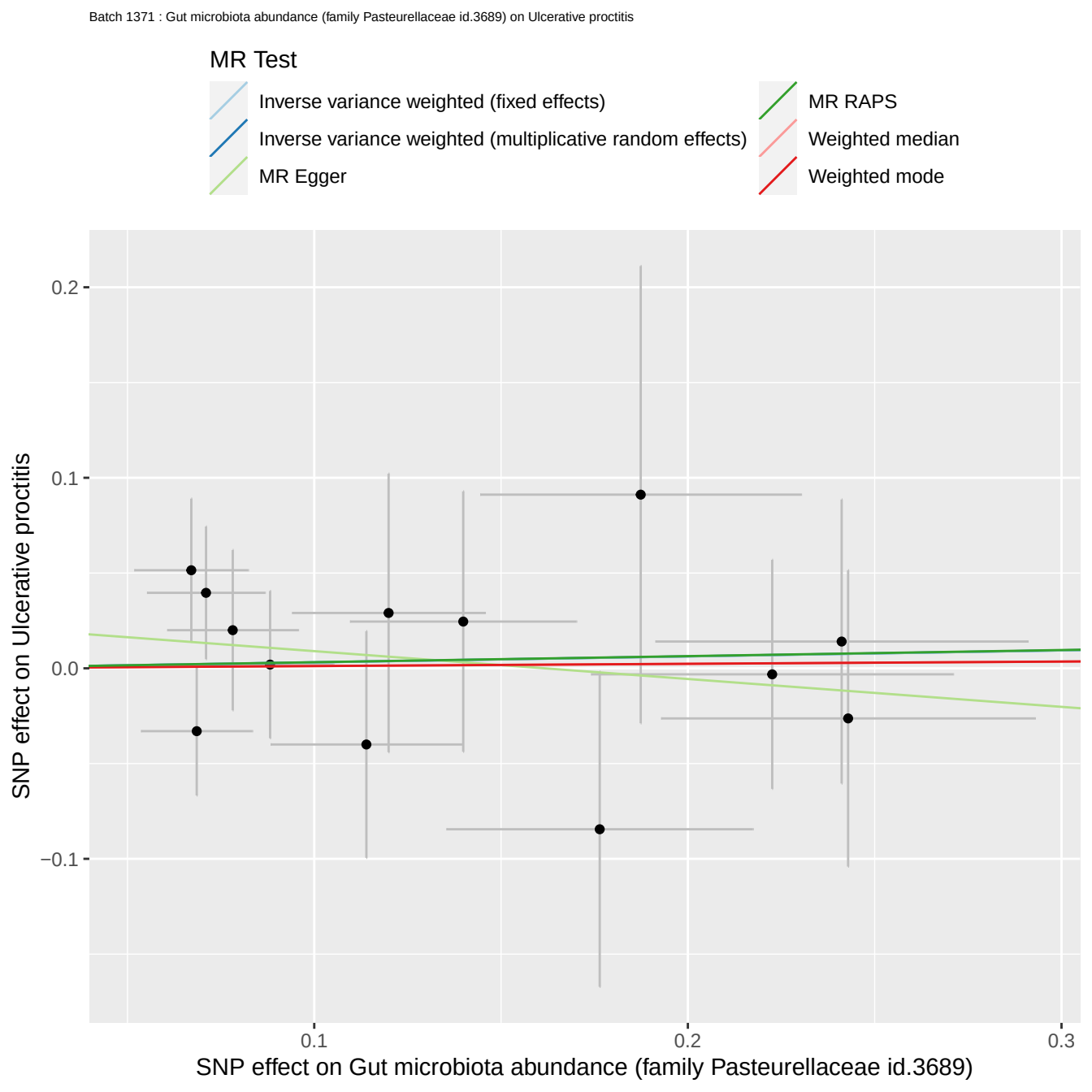

Batch 1366 : Gut microbiota abundance (family Family XIII id.1957) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Family XIII id.1957)

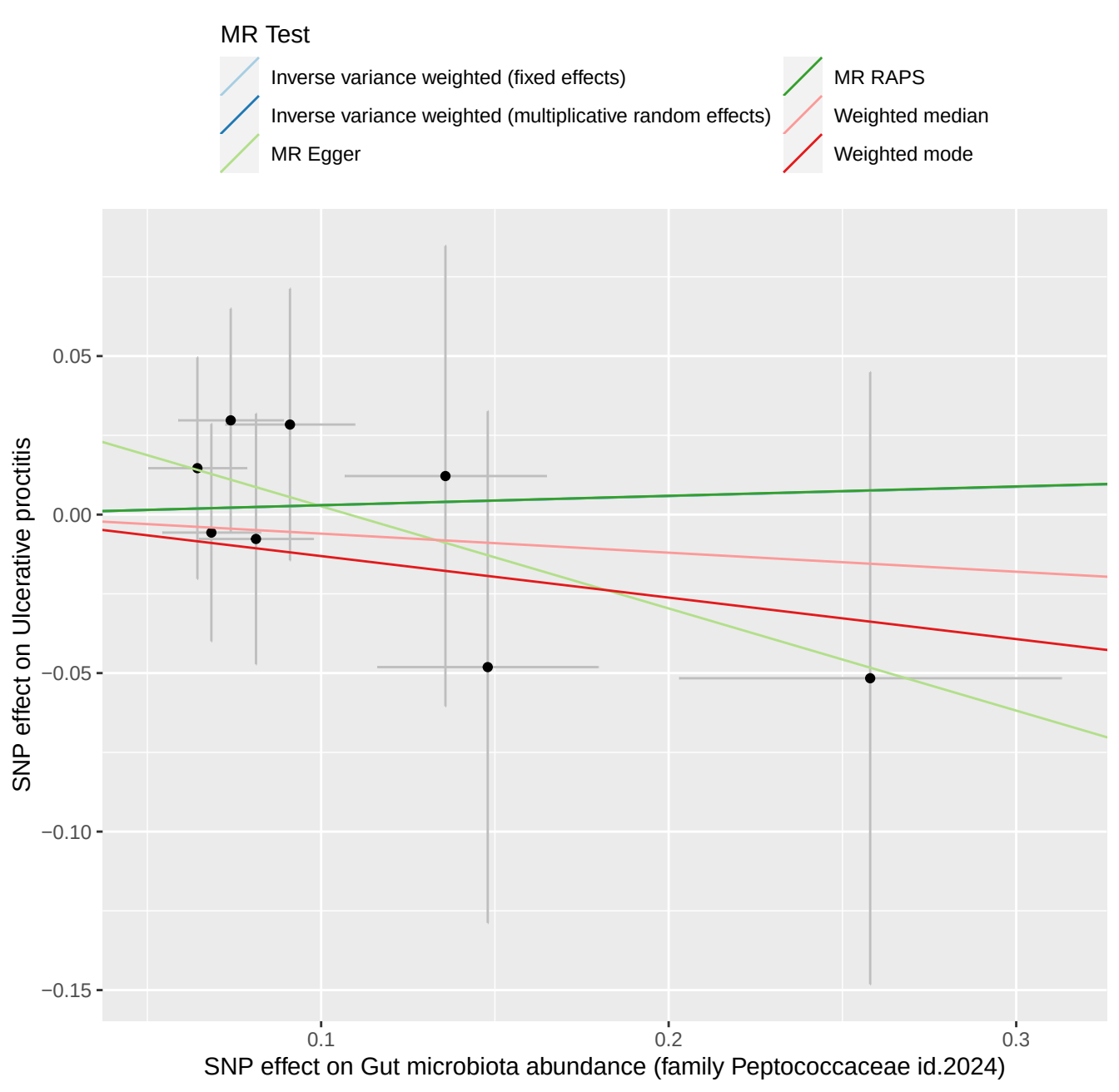

Batch 1367 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)


Batch 1368 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Lactobacillaceae id.1836)

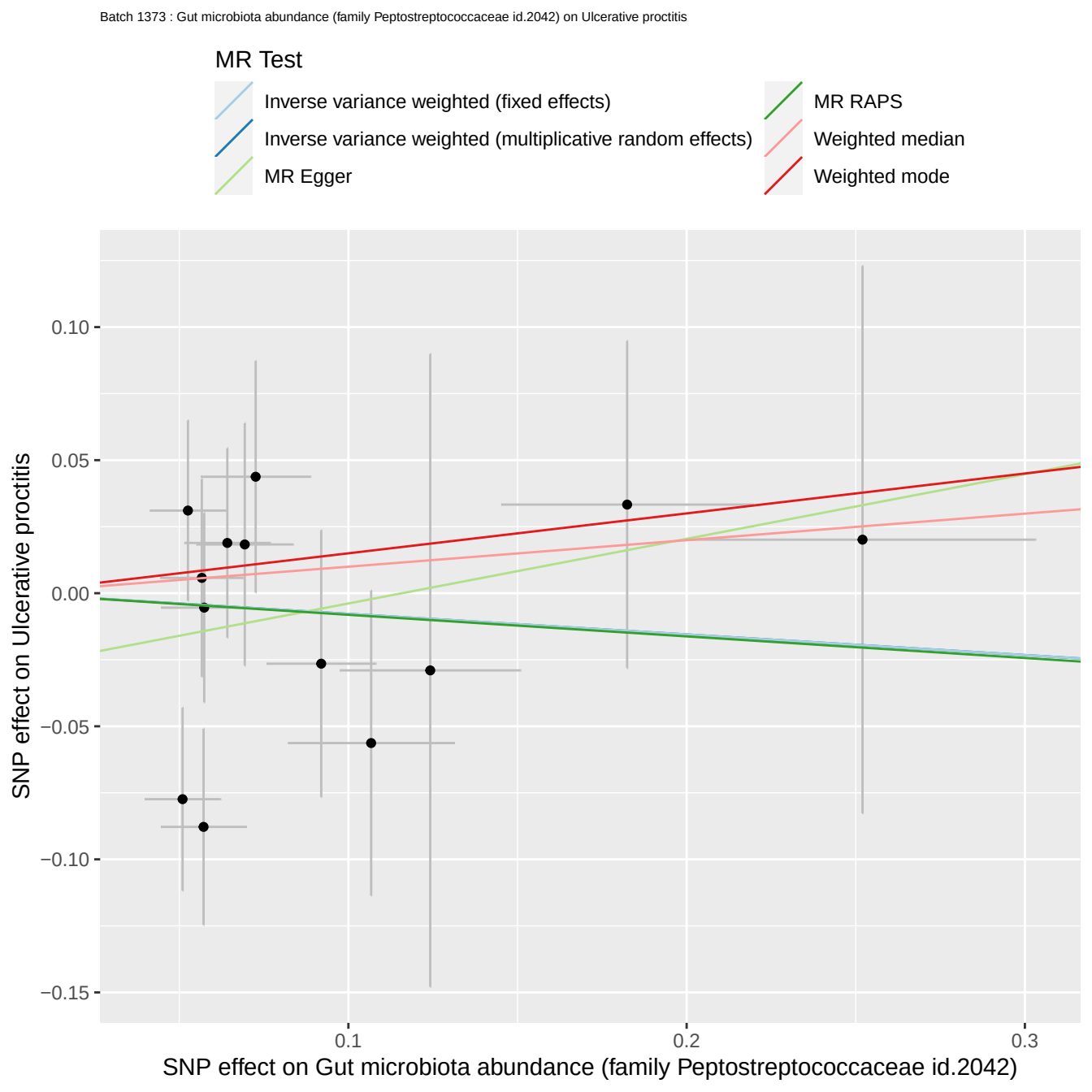

Batch 1369 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

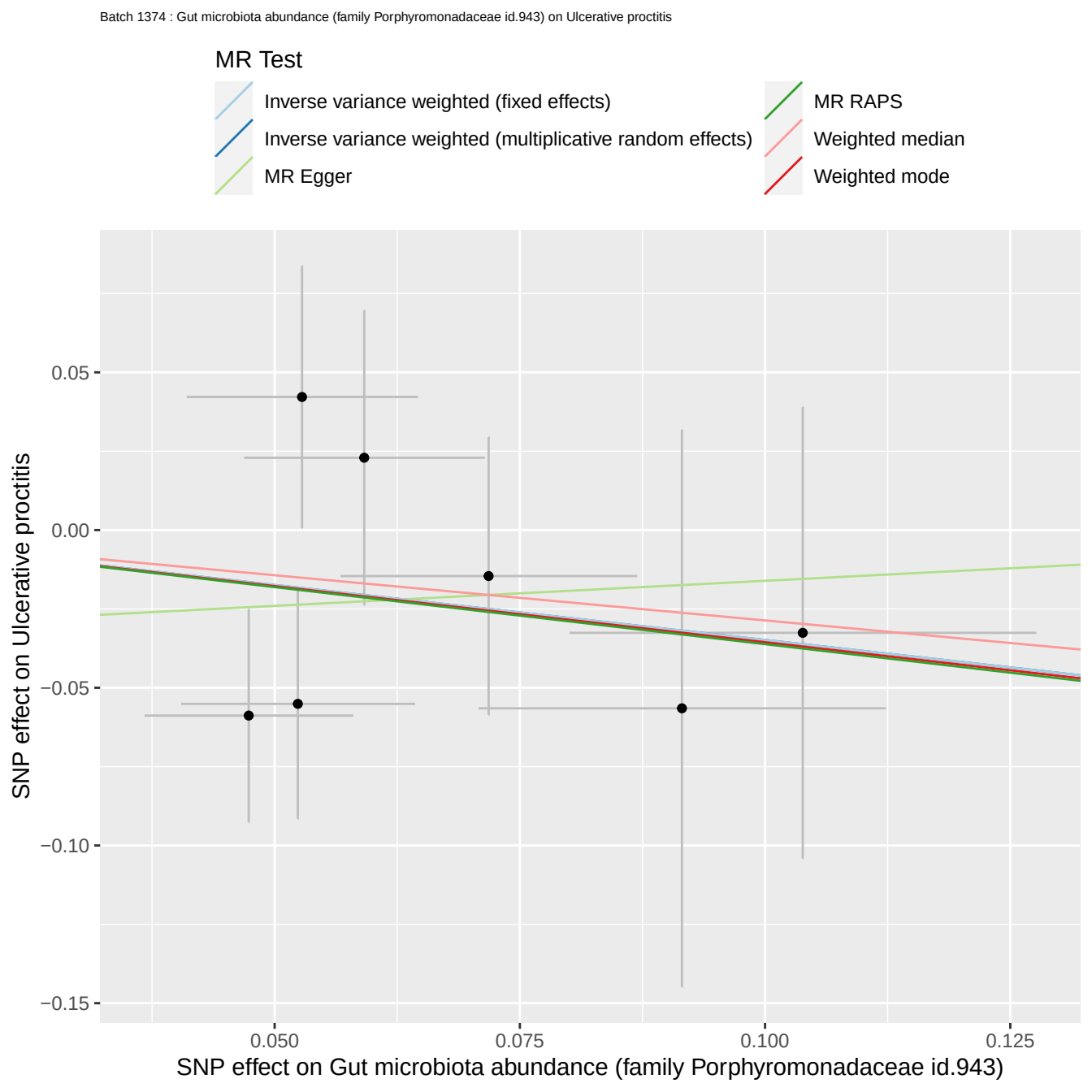

Batch 1370 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Oxalobacteraceae id.2966)


Batch 1371 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

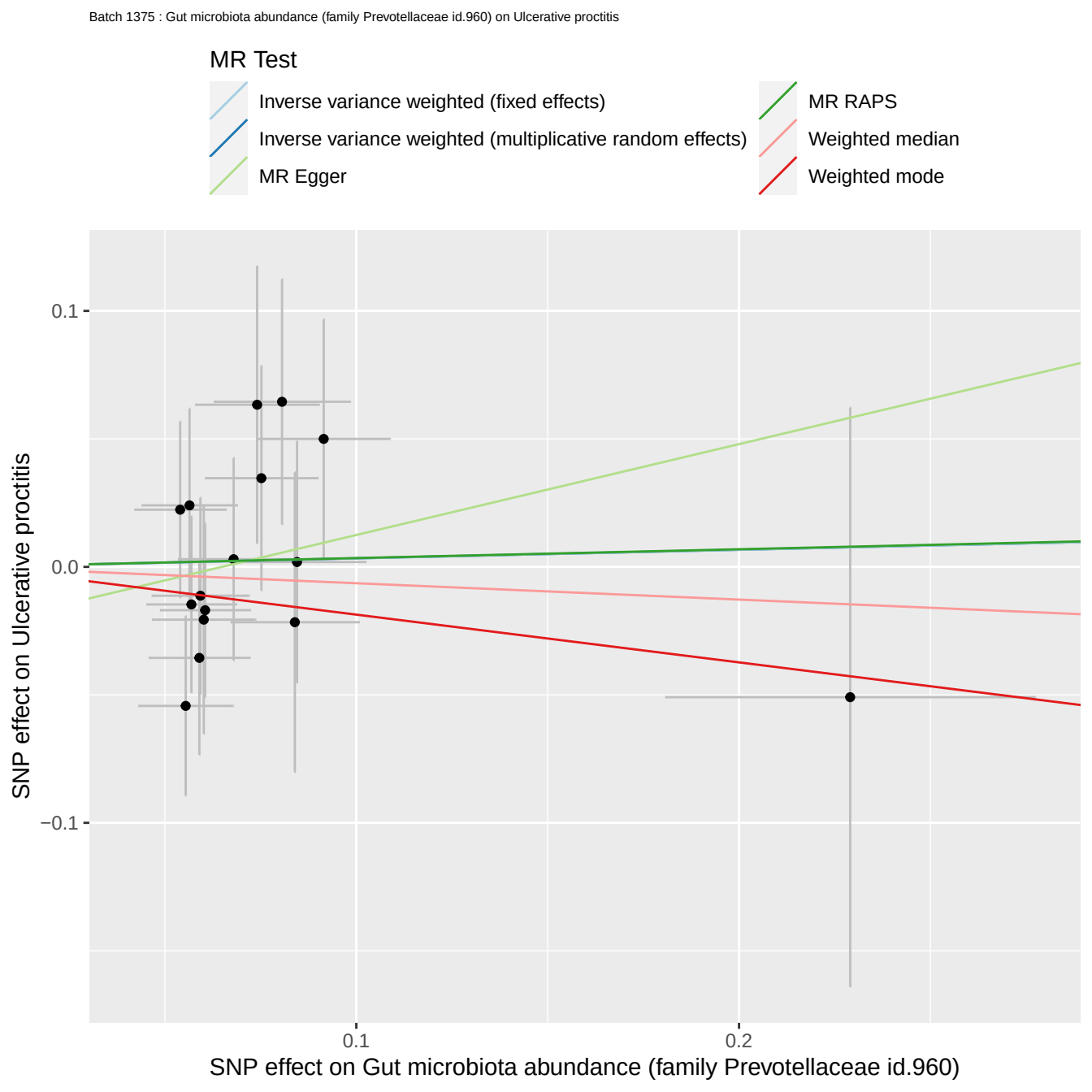

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)

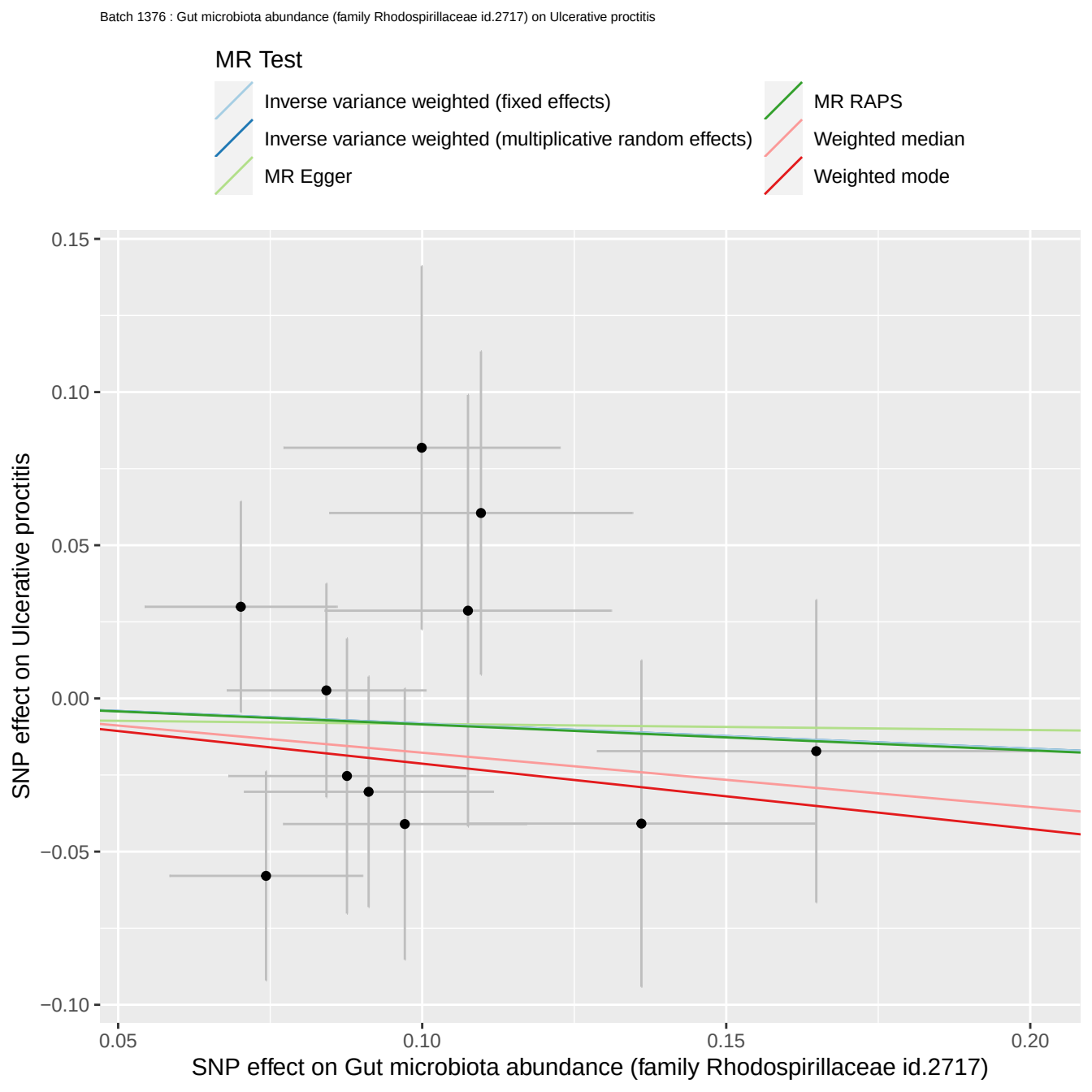
Batch 1373 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Ulcerative proctitis

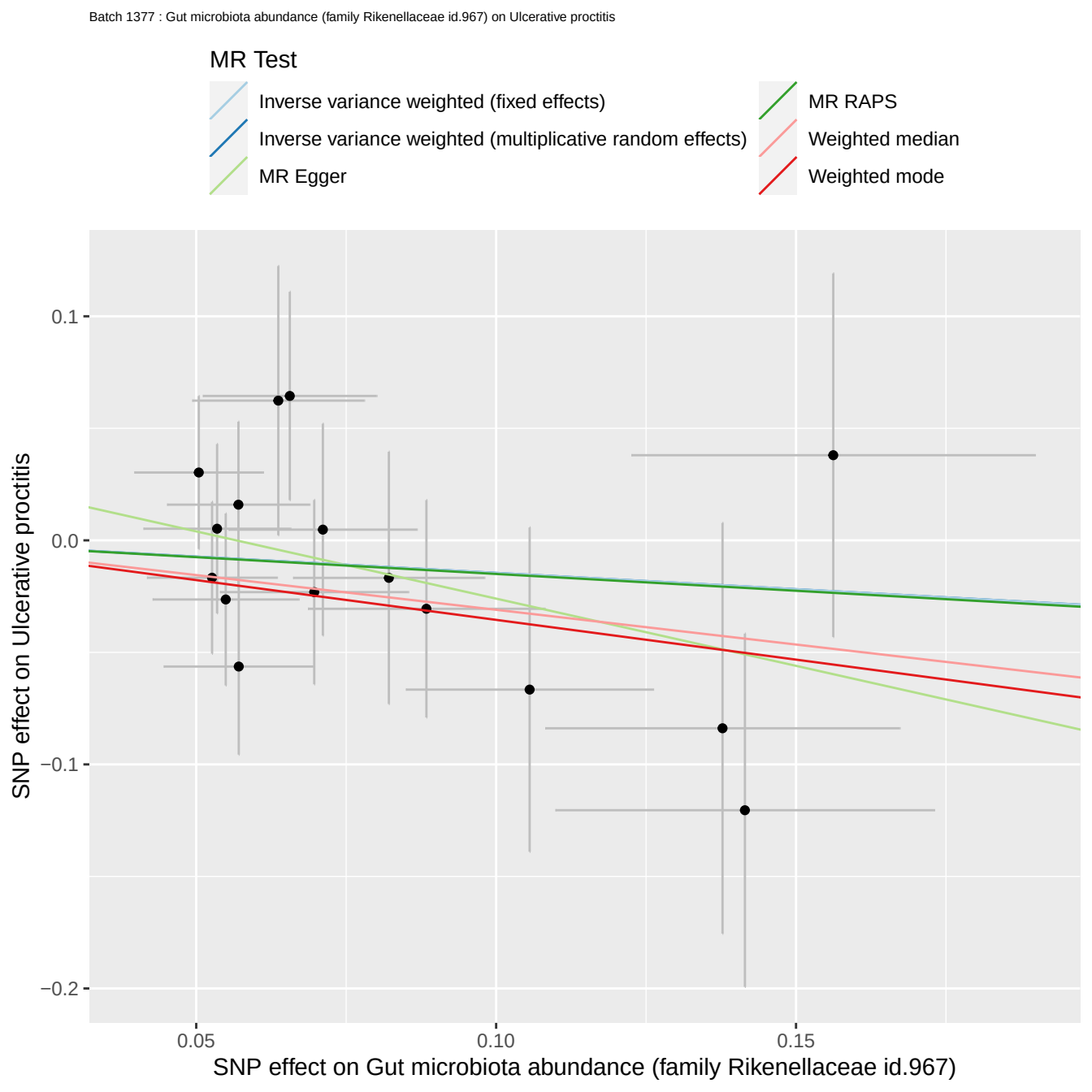


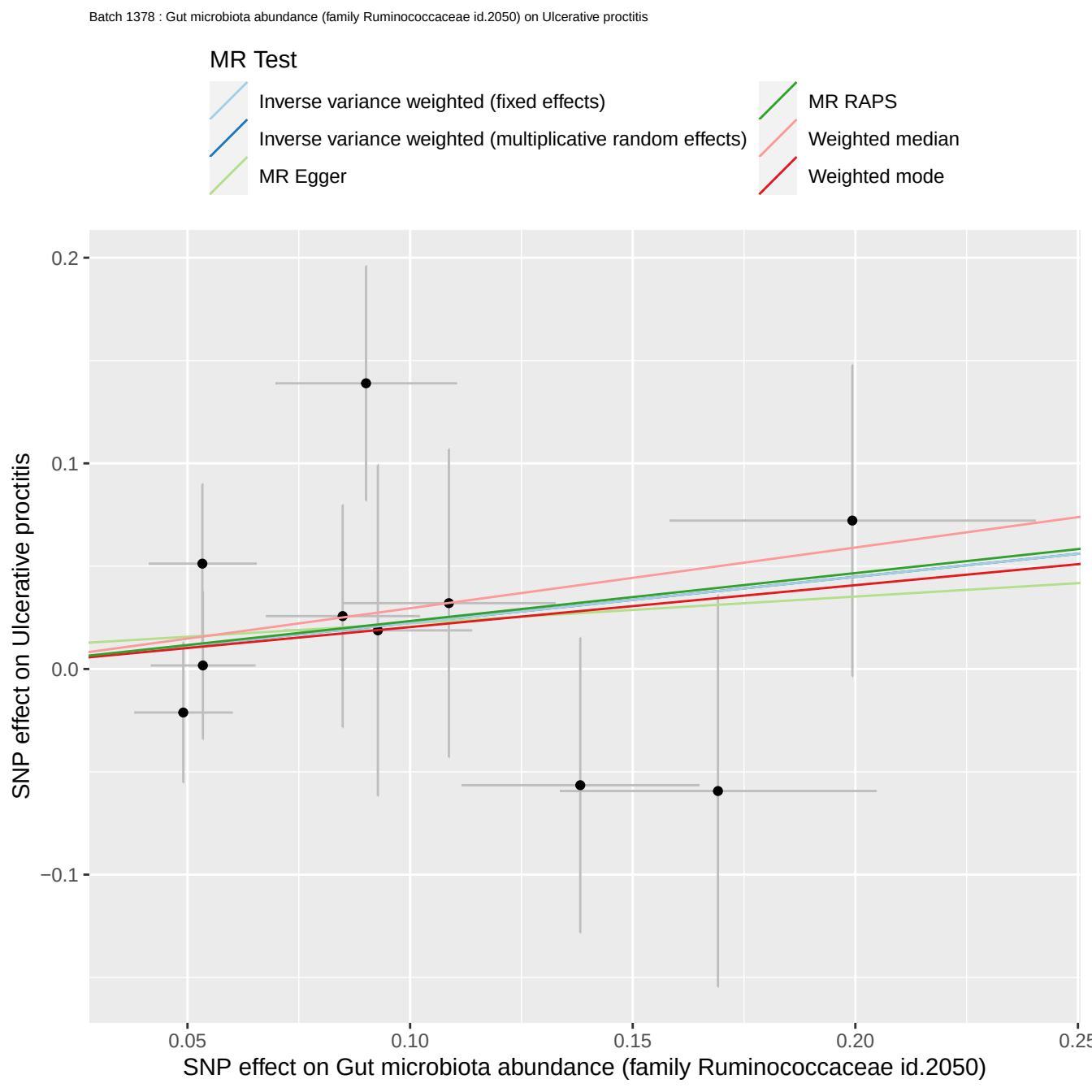

Batch 1374 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
−0.15
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

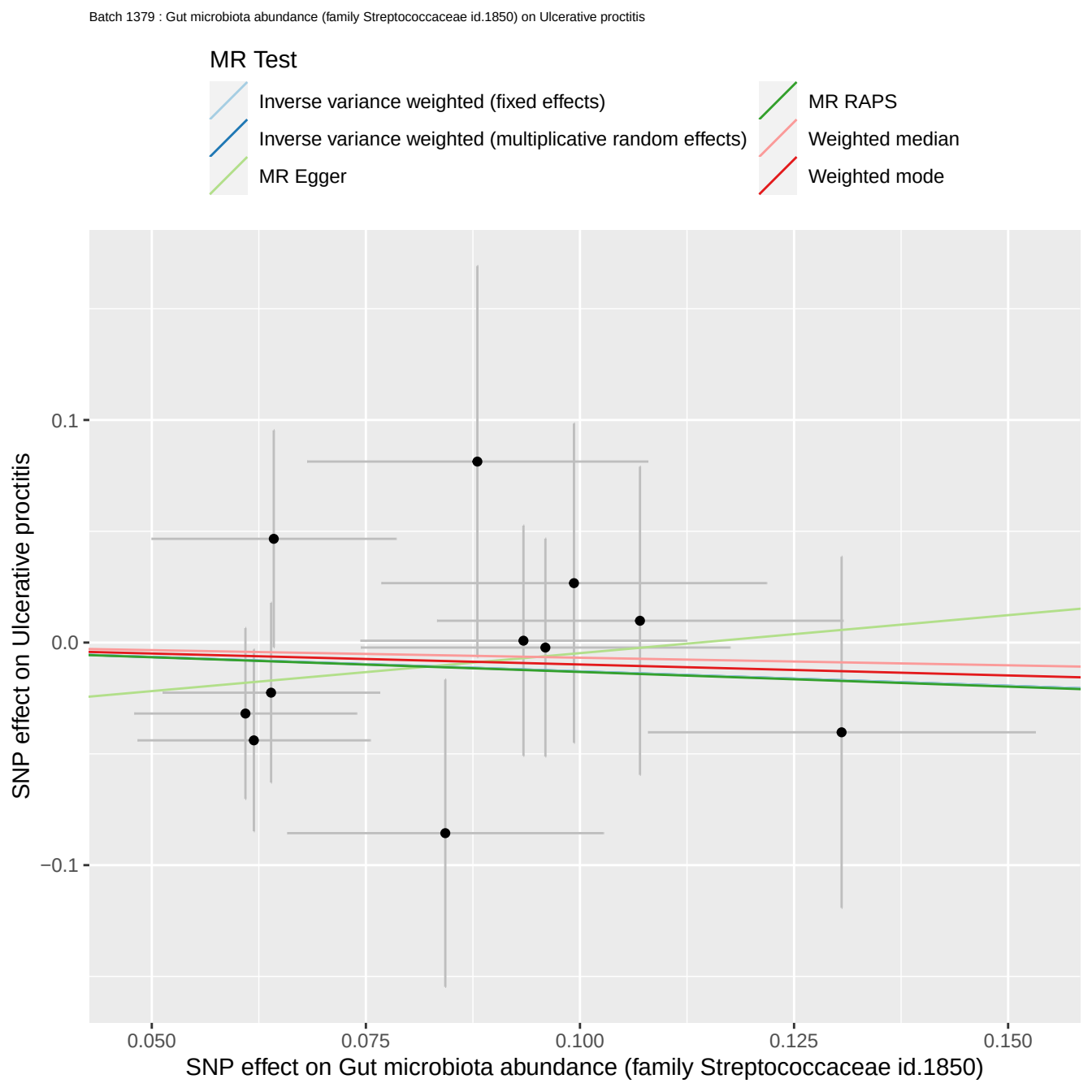
Batch 1375 : Gut microbiota abundance (family Prevotellaceae id.960) on Ulcerative proctitis

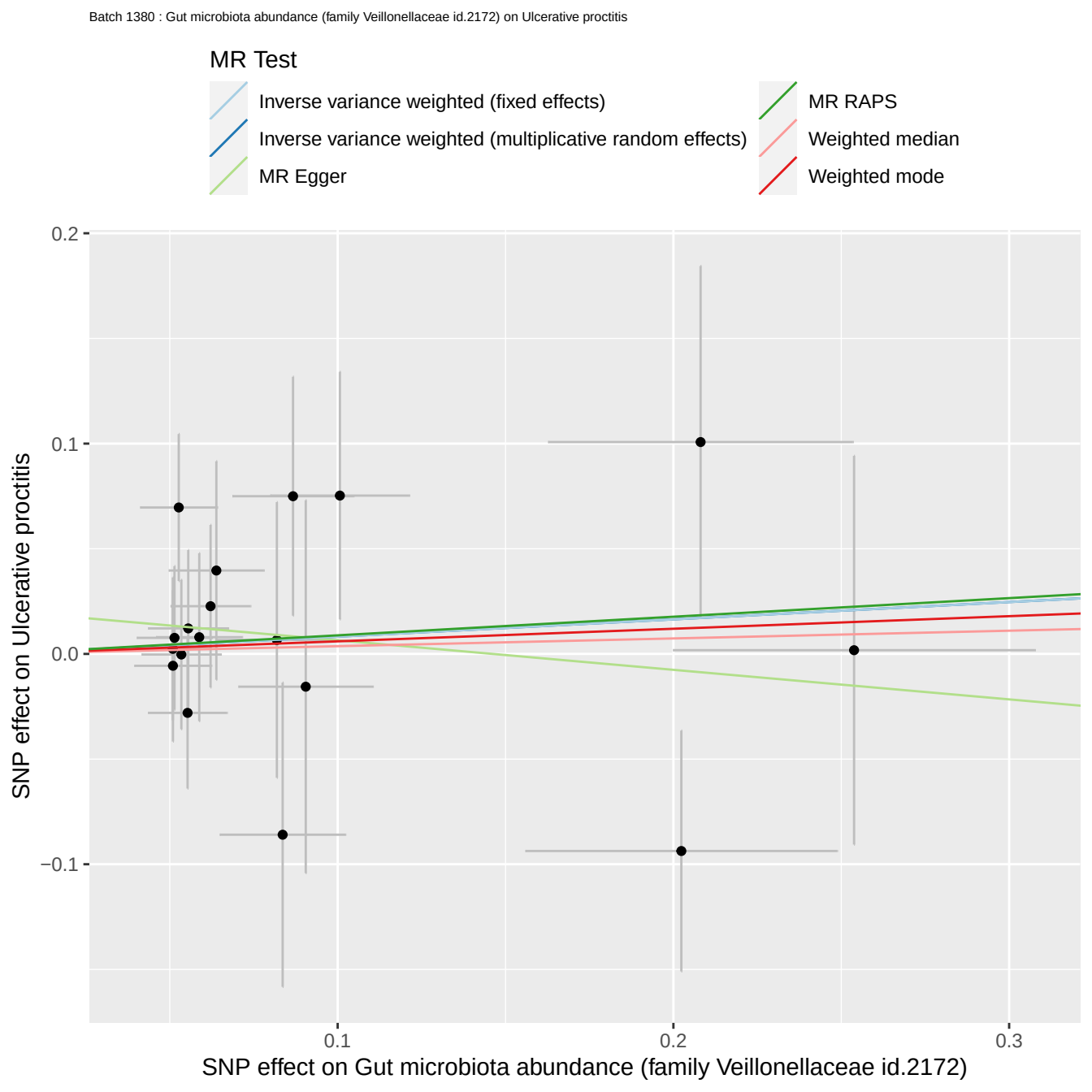



Batch 1376 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Rhodospirillaceae id.2717)

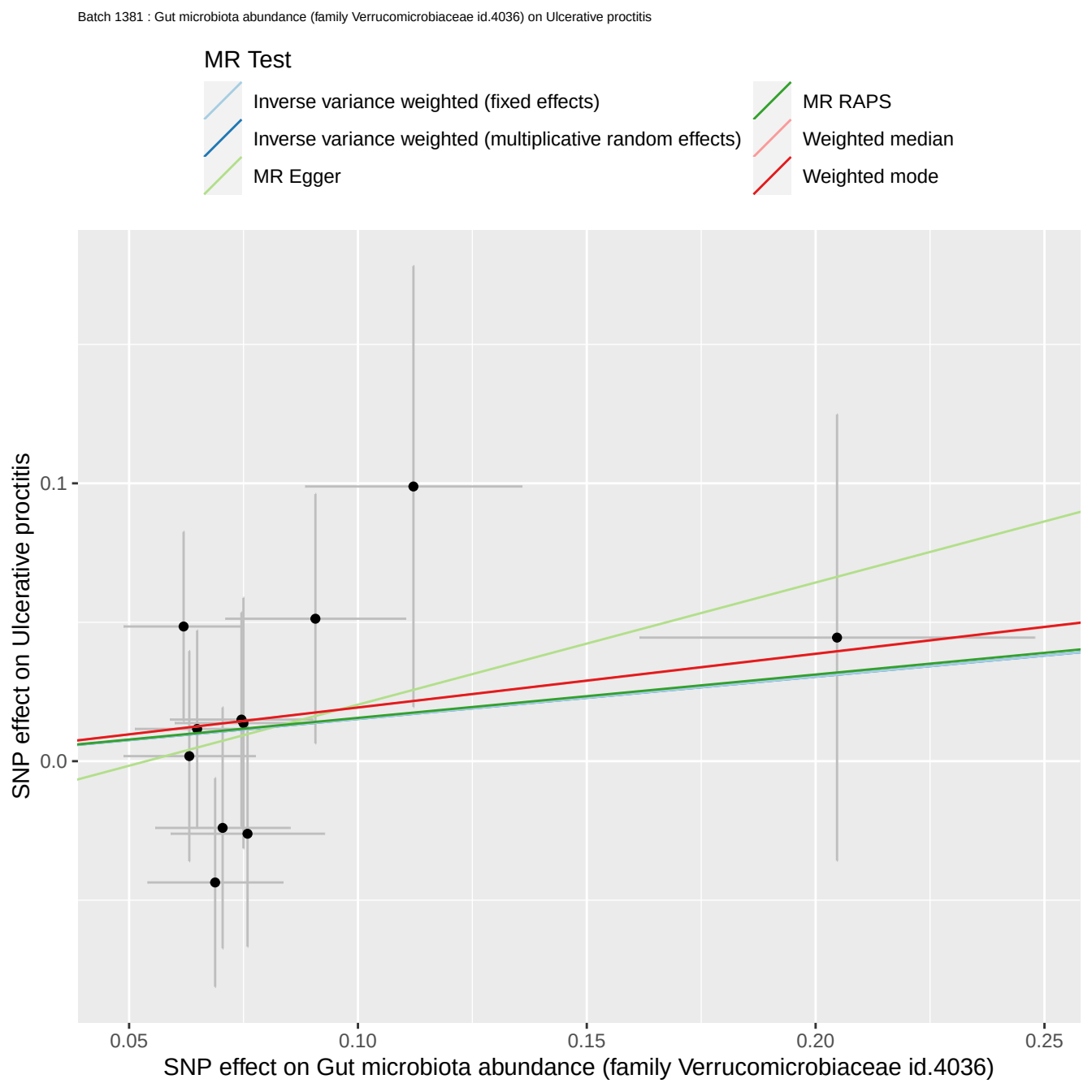

Batch 1377 : Gut microbiota abundance (family Rikenellaceae id.967) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)


Batch 1378 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)

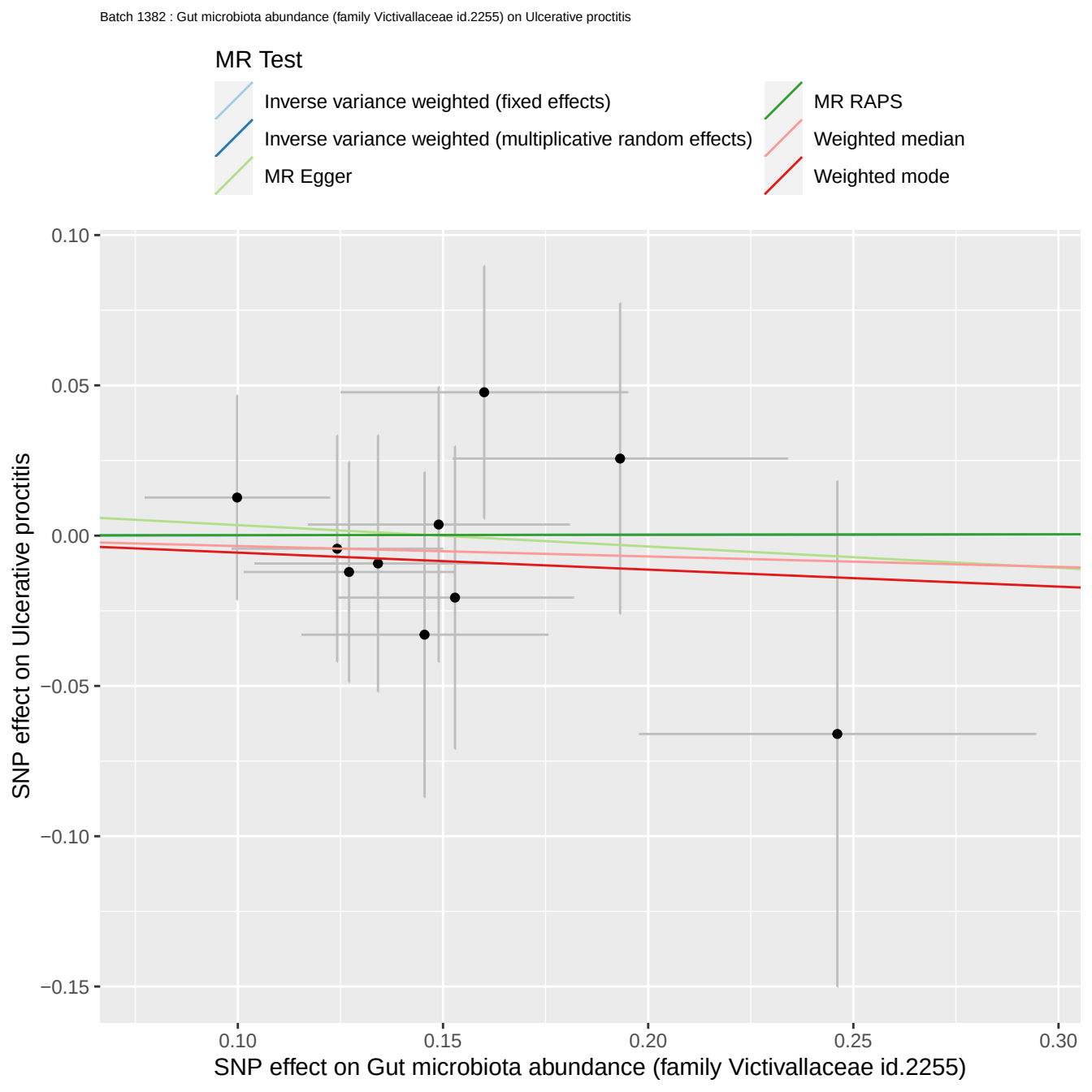

Batch 1379 : Gut microbiota abundance (family Streptococcaceae id.1850) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

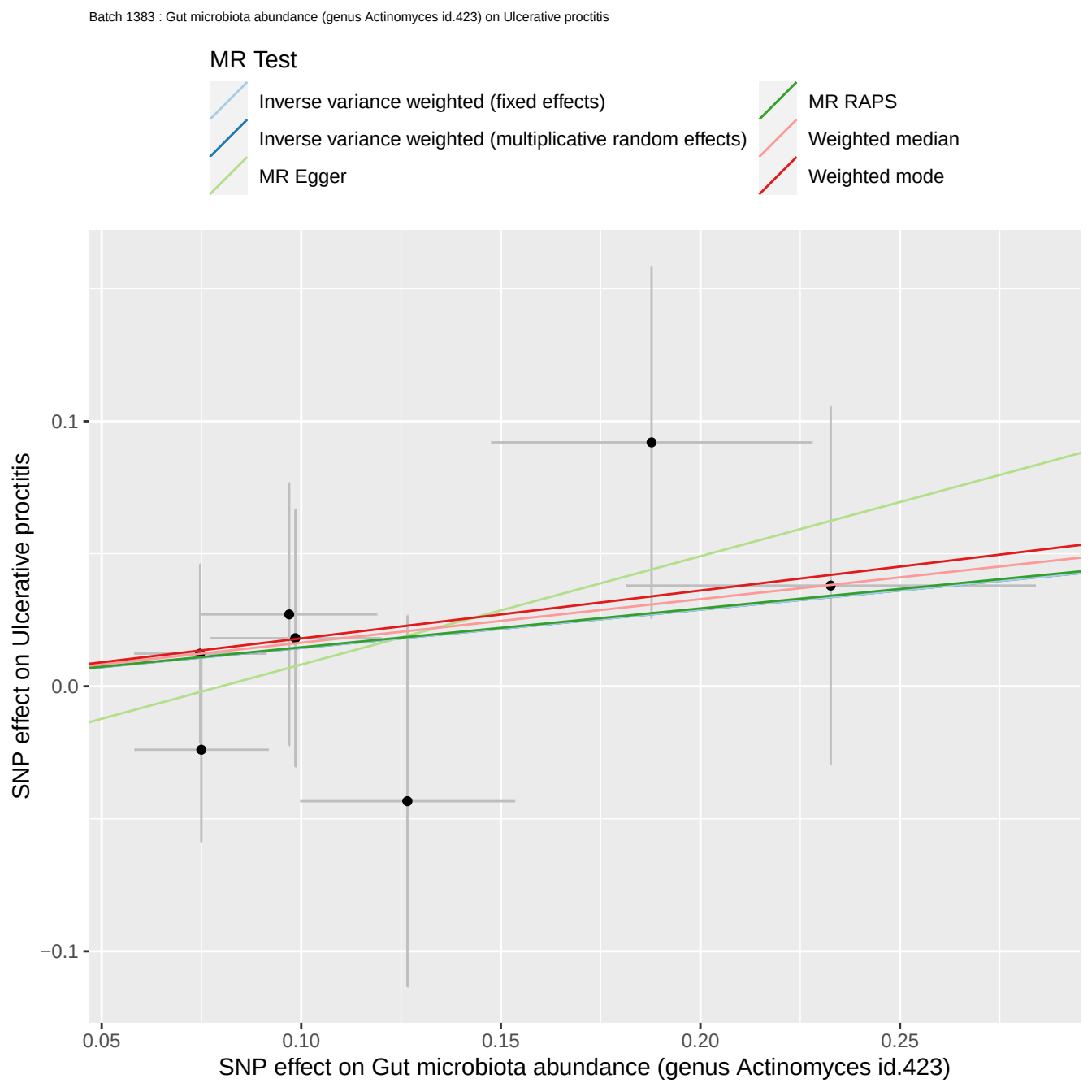

Batch 1380 : Gut microbiota abundance (family Veillonellaceae id.2172) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

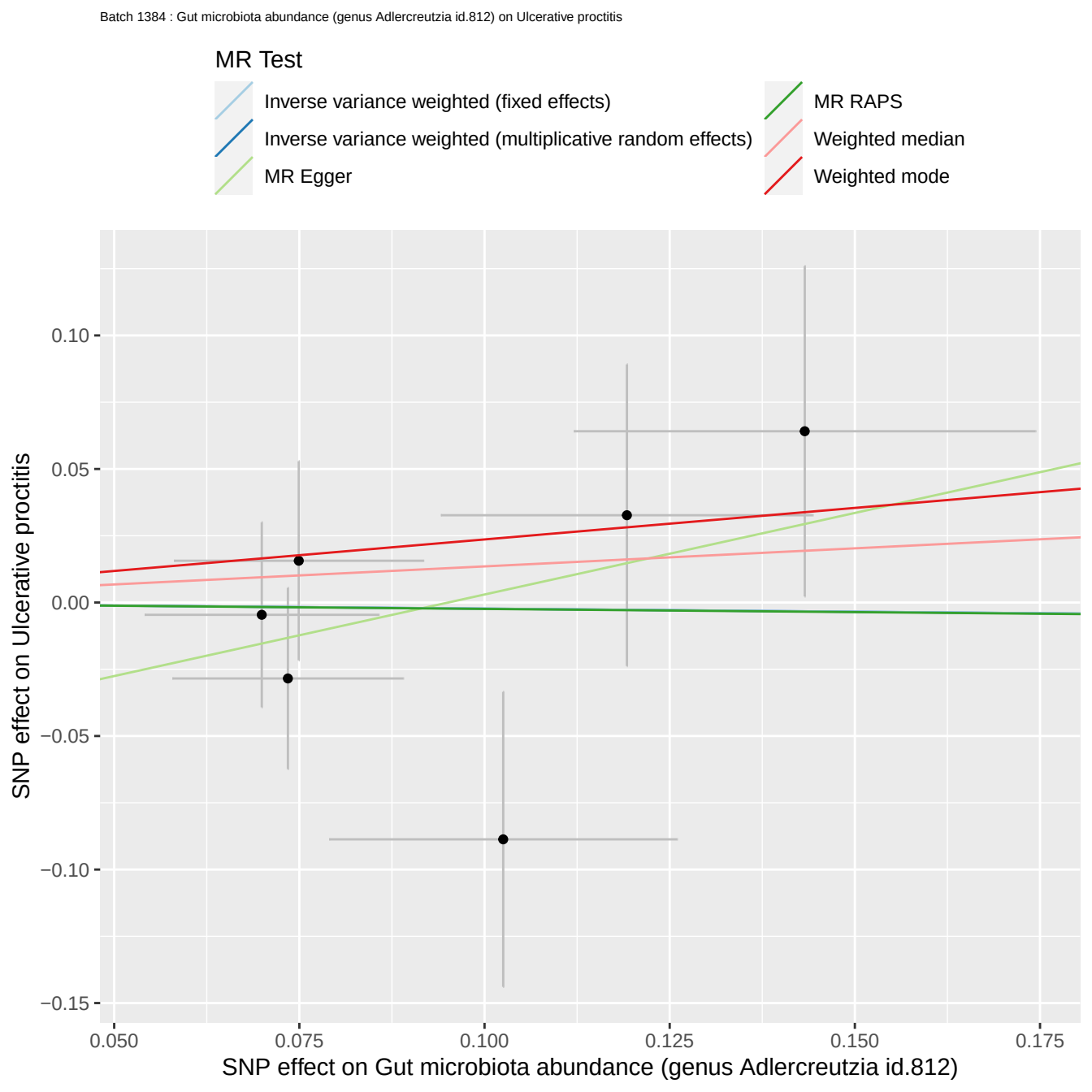
Batch 1381 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Ulcerative proctitis

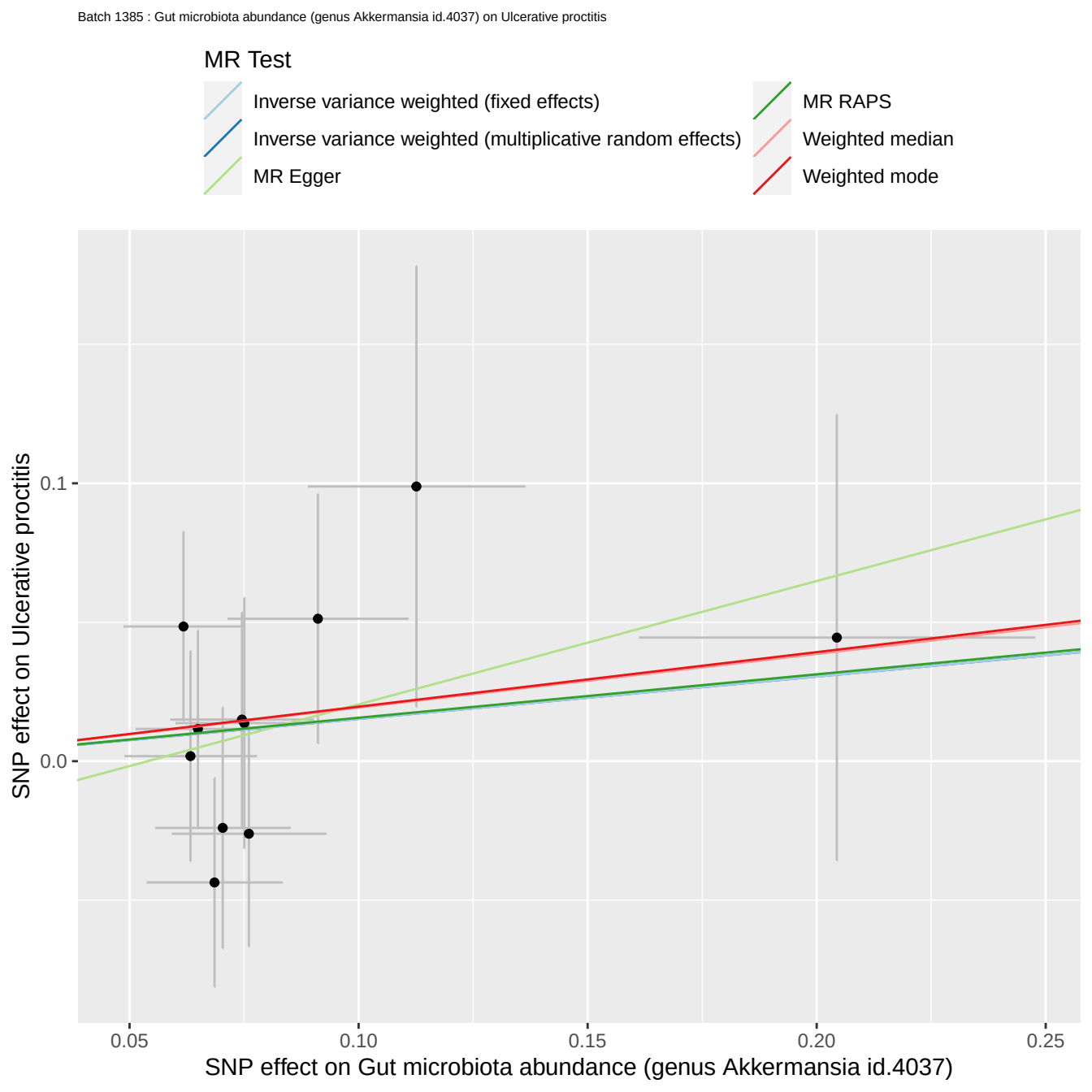


Batch 1382 : Gut microbiota abundance (family Victivallaceae id.2255) on Ulcerative proctitis

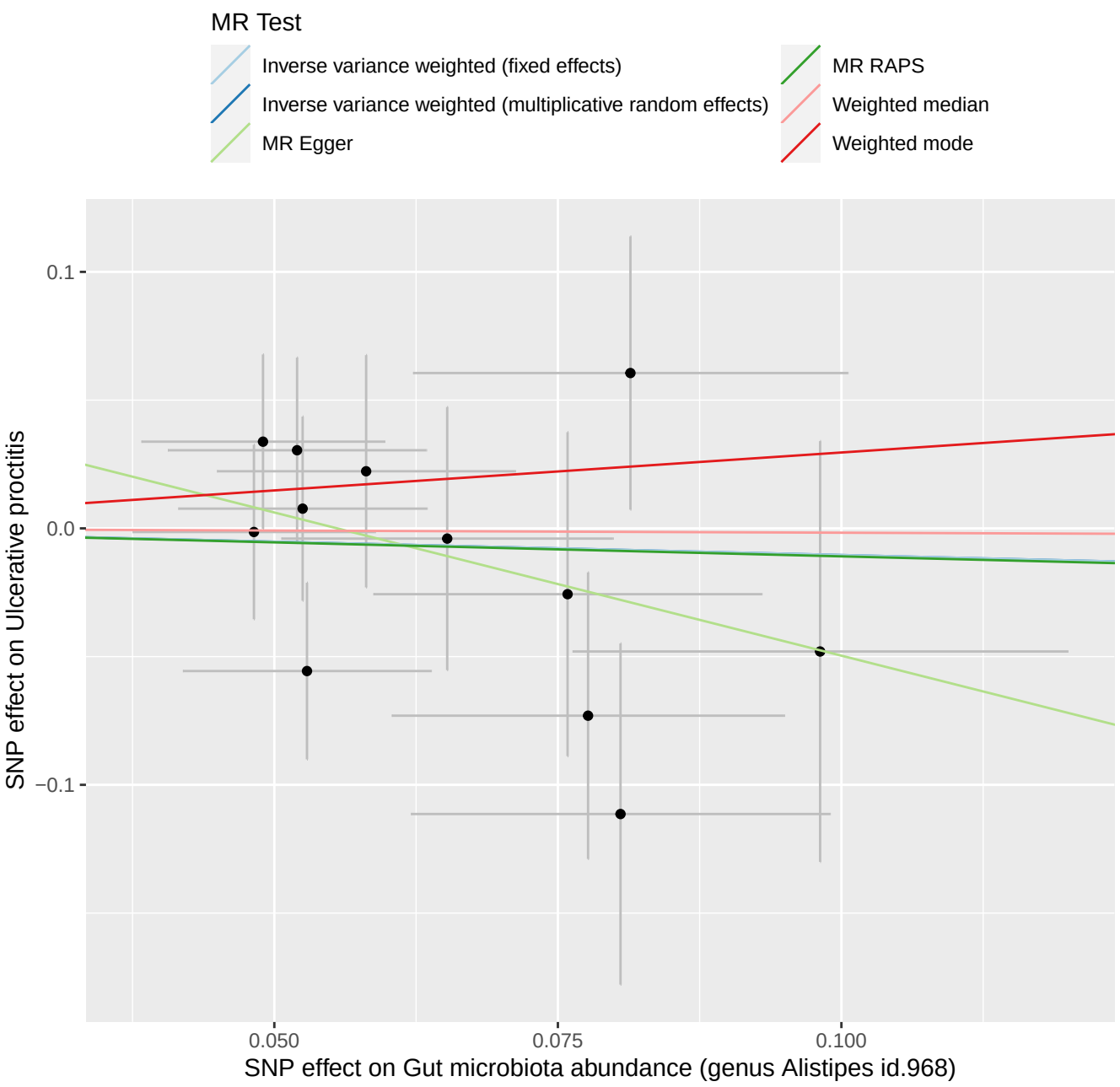


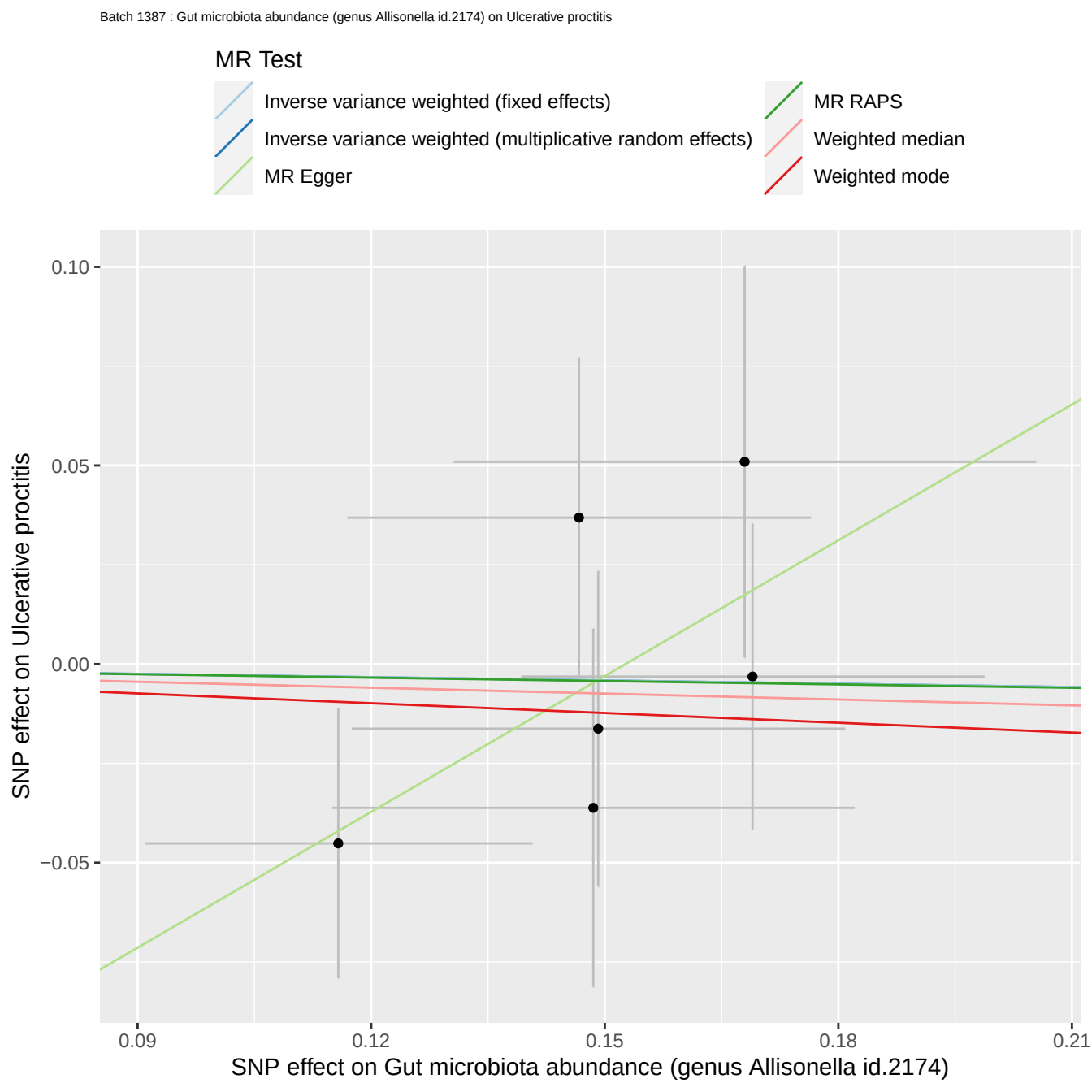

Batch 1383 : Gut microbiota abundance (genus Actinomyces id.423) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

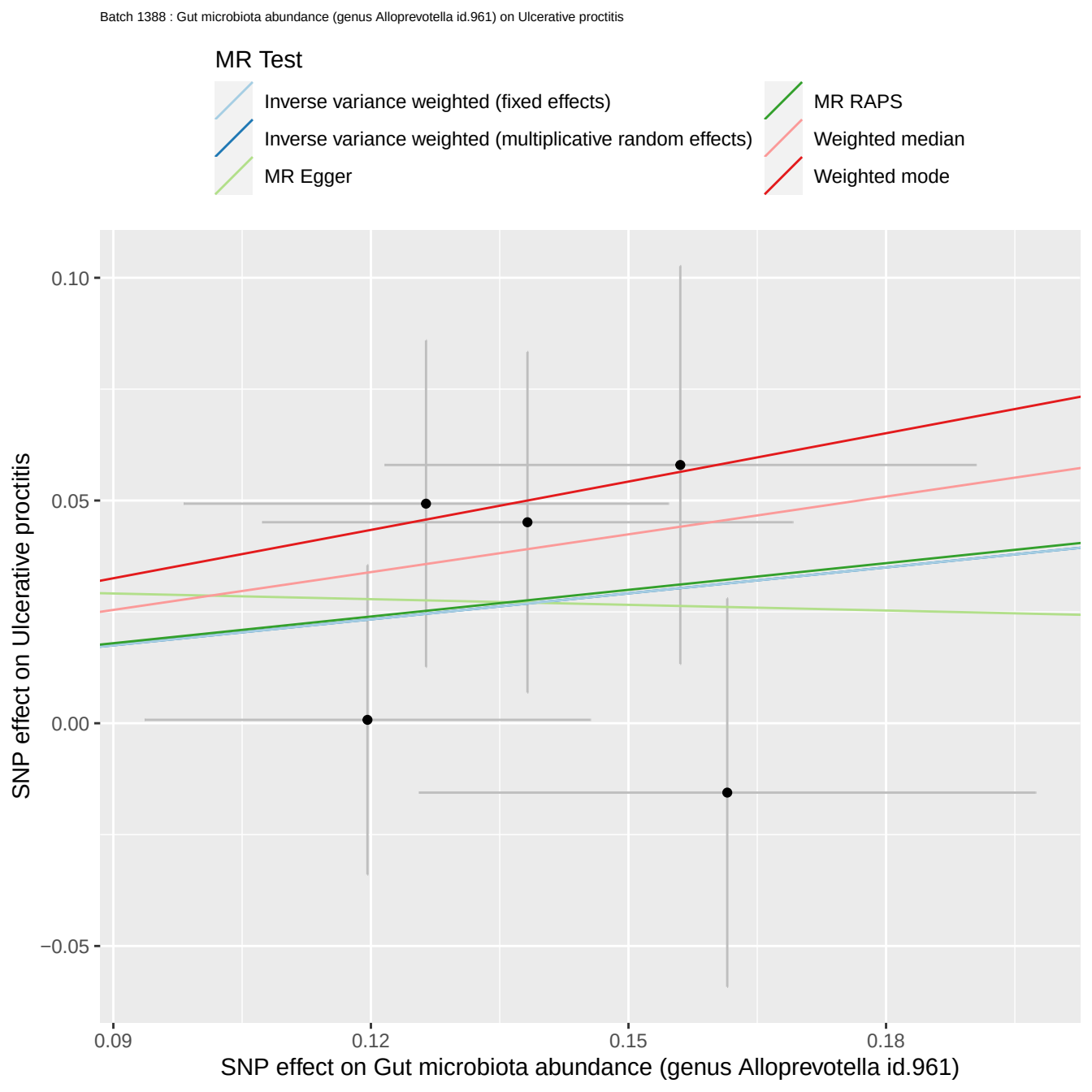

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Adlercreutzia id.812)

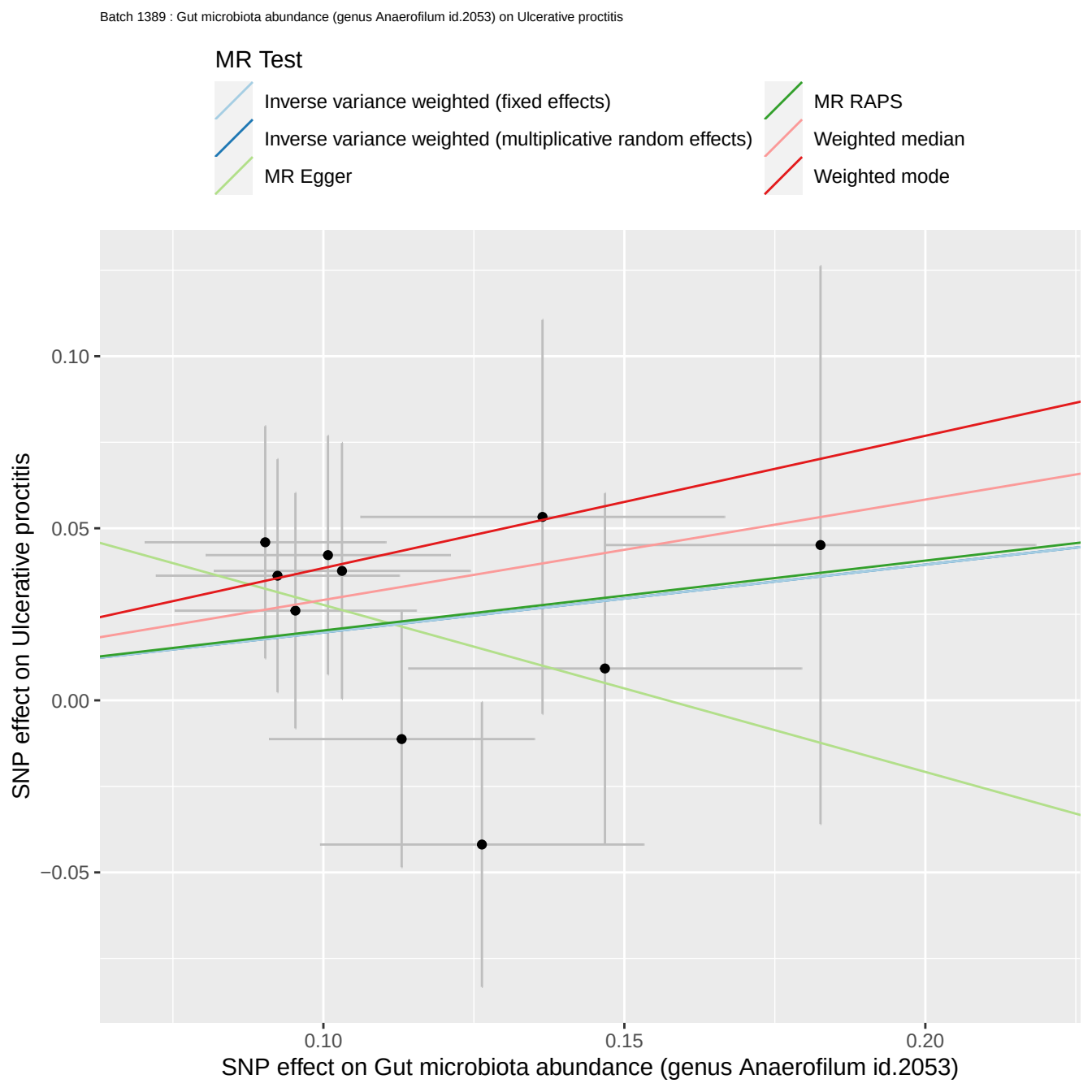

Batch 1385 : Gut microbiota abundance (genus Akkermansia id.4037) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

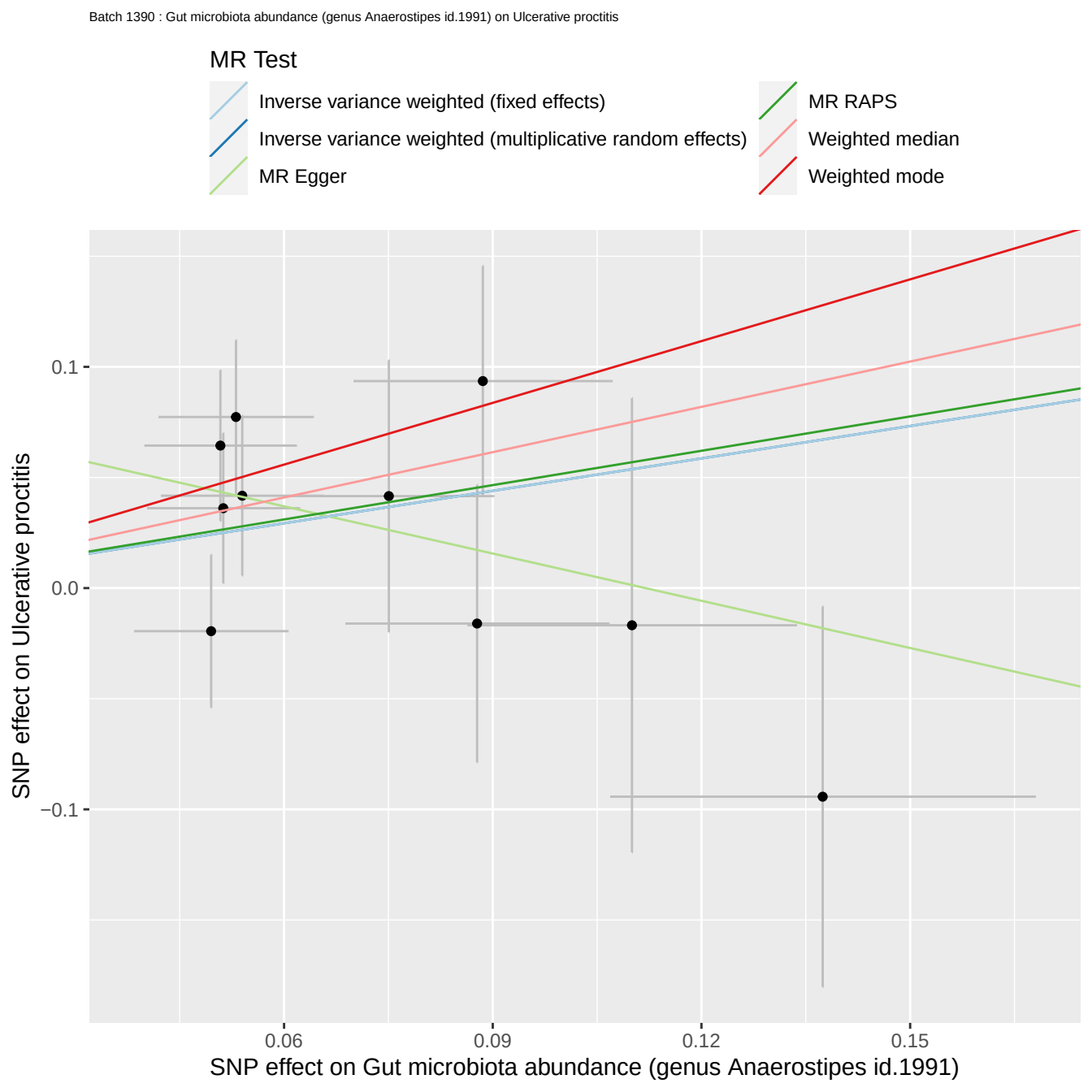
Batch 1386 : Gut microbiota abundance (genus Alistipes id.968) on Ulcerative proctitis

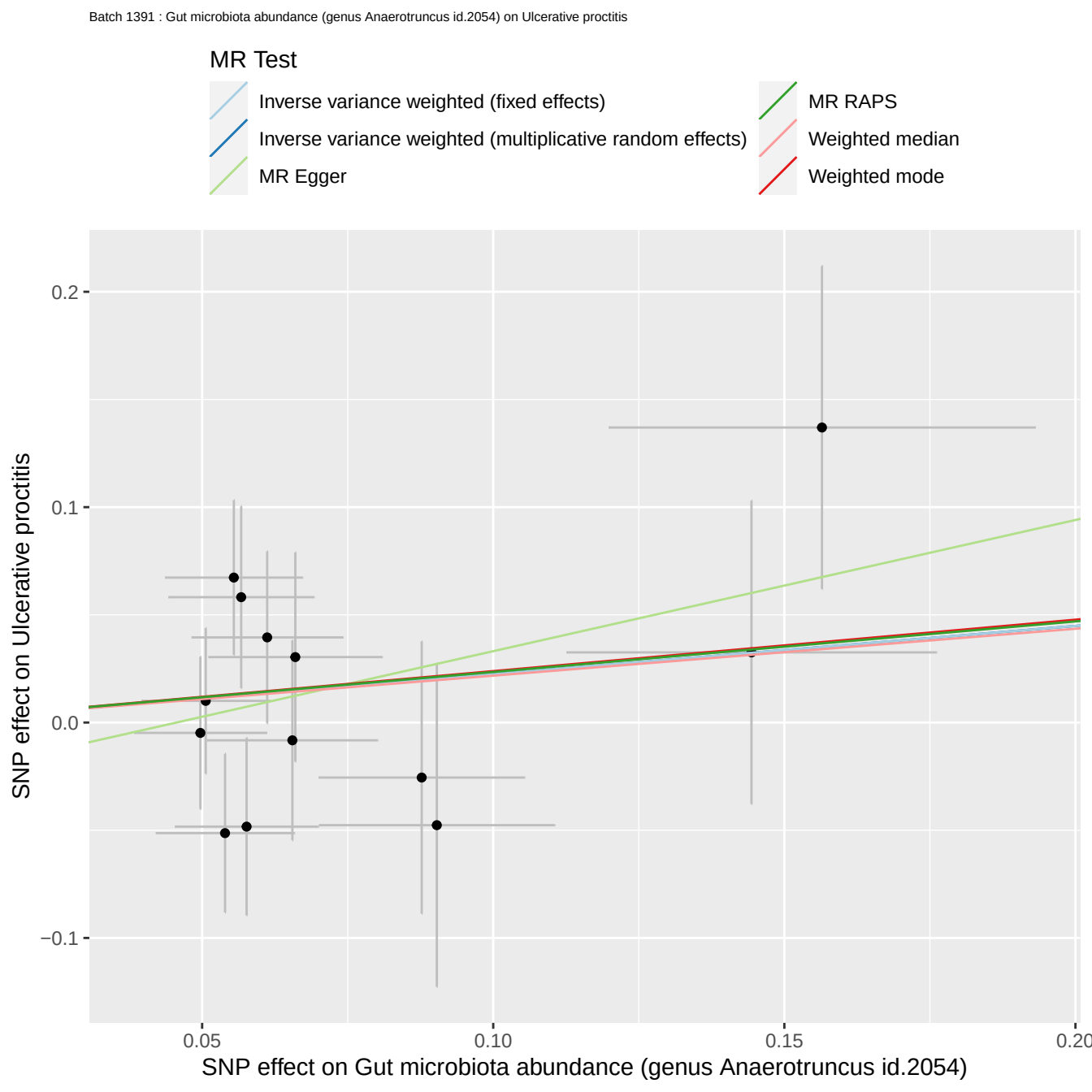


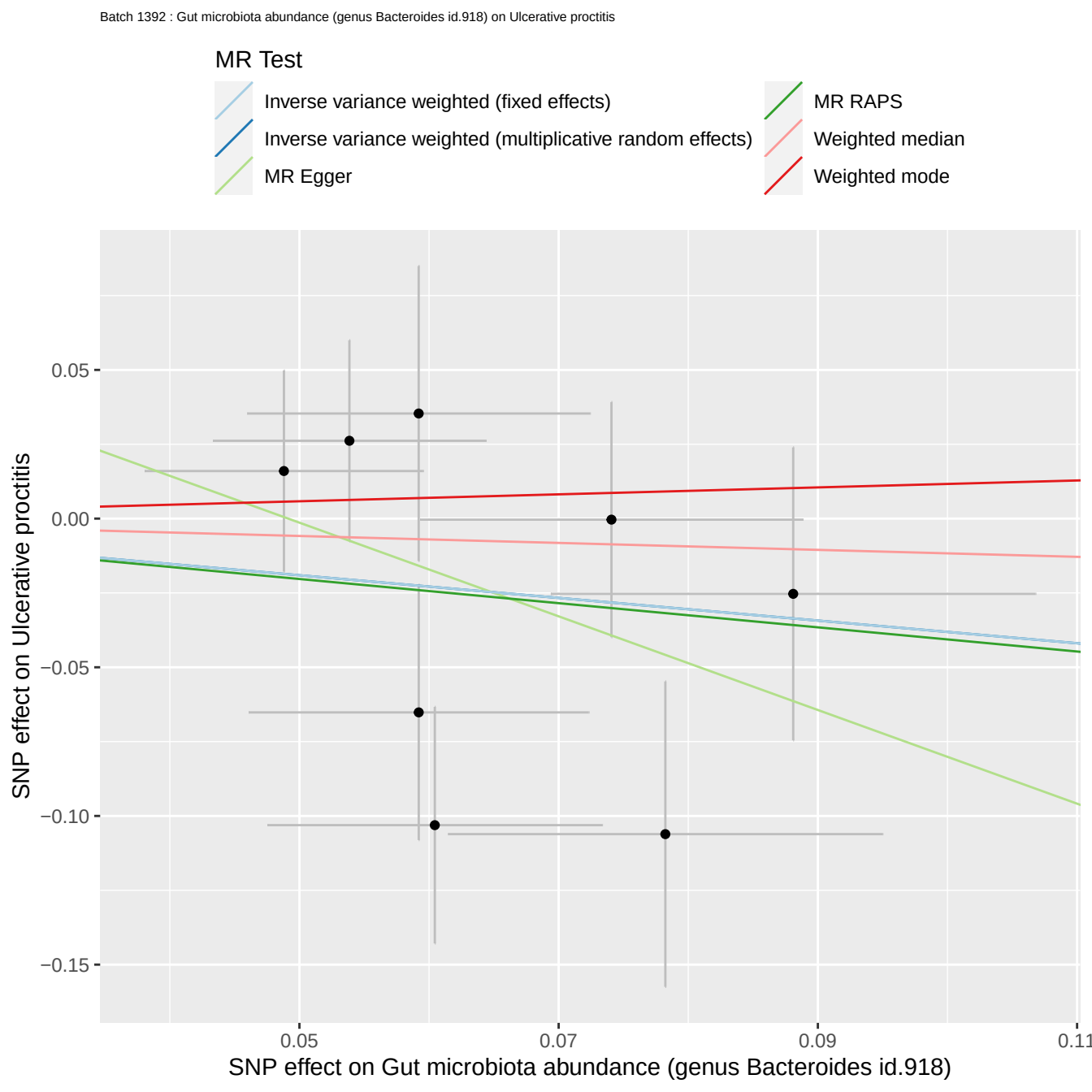

Batch 1387 : Gut microbiota abundance (genus Allisonella id.2174) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative proctitis
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

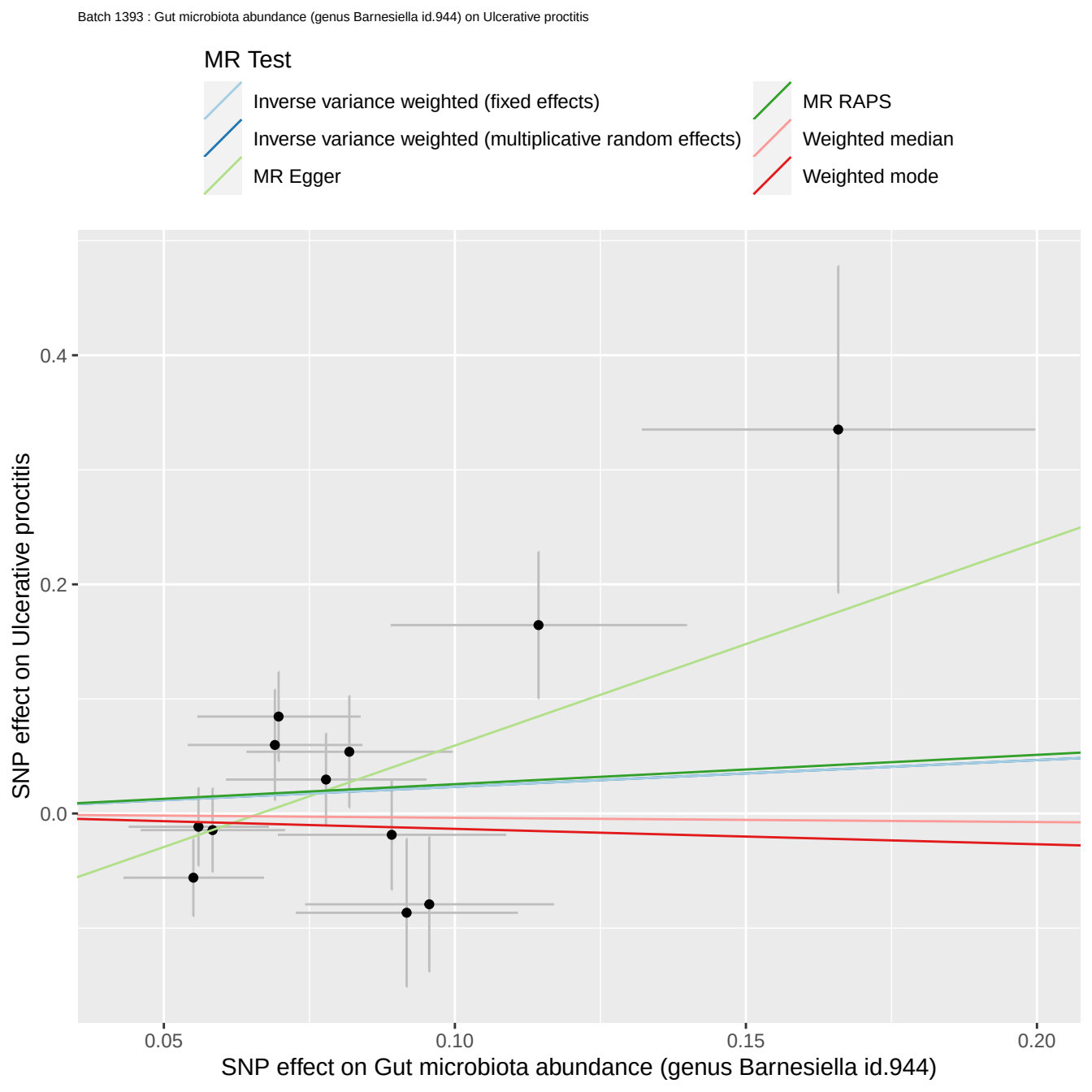

Batch 1388 : Gut microbiota abundance (genus Alloprevotella id.961) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative proctitis
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

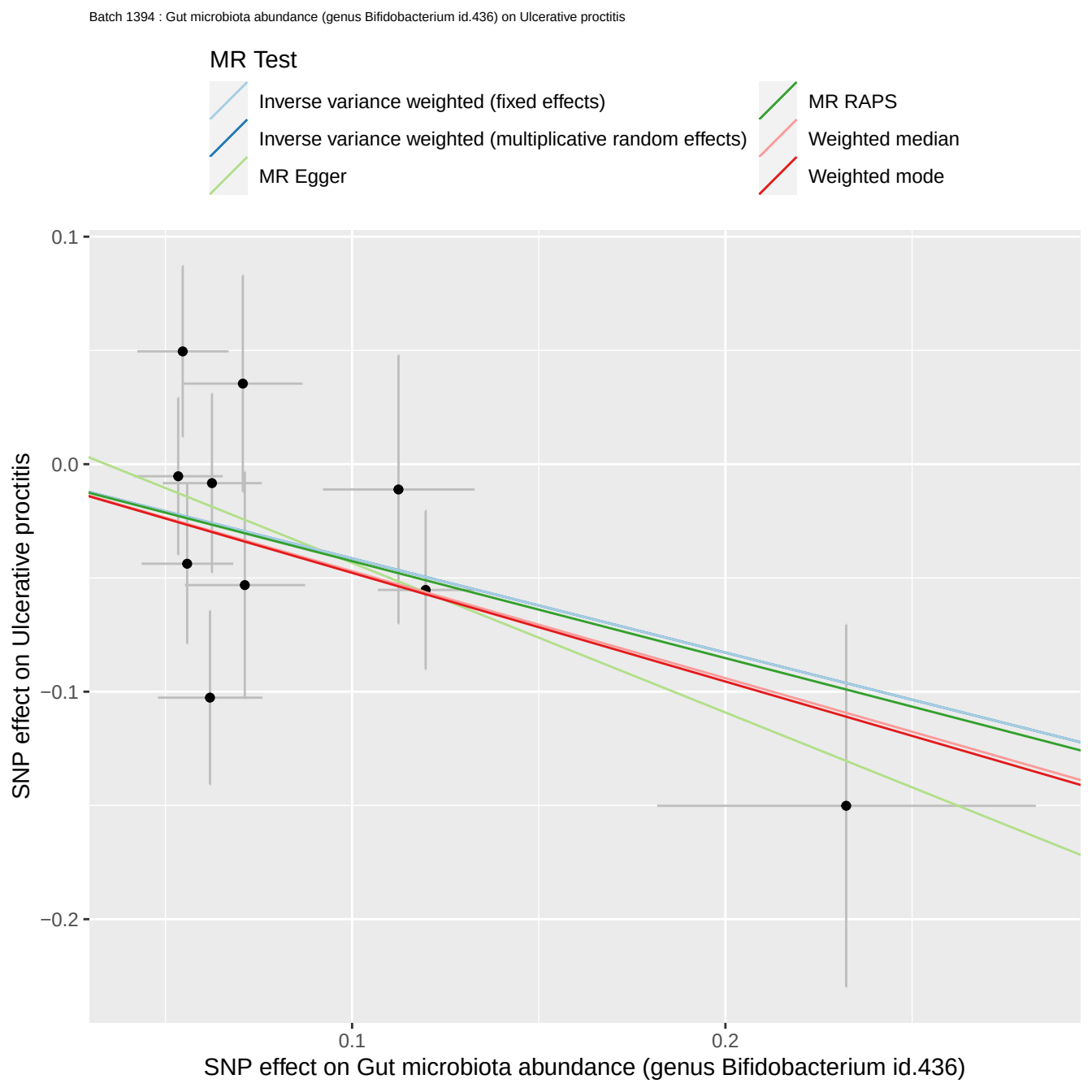

Batch 1389 : Gut microbiota abundance (genus Anaerofilum id.2053) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerofilum id.2053)

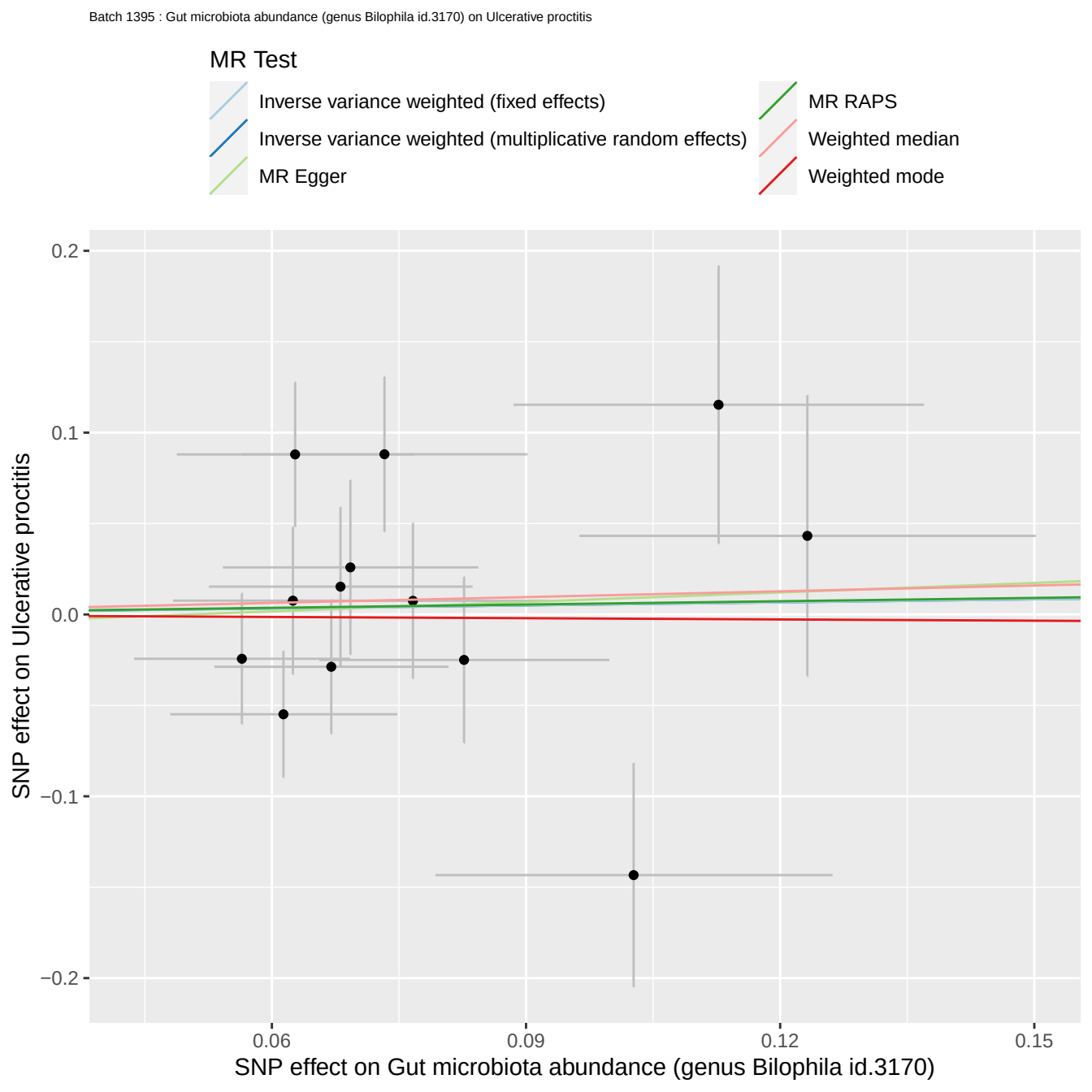

Batch 1390 : Gut microbiota abundance (genus Anaerostipes id.1991) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)


Batch 1391 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Anaerotruncus id.2054)

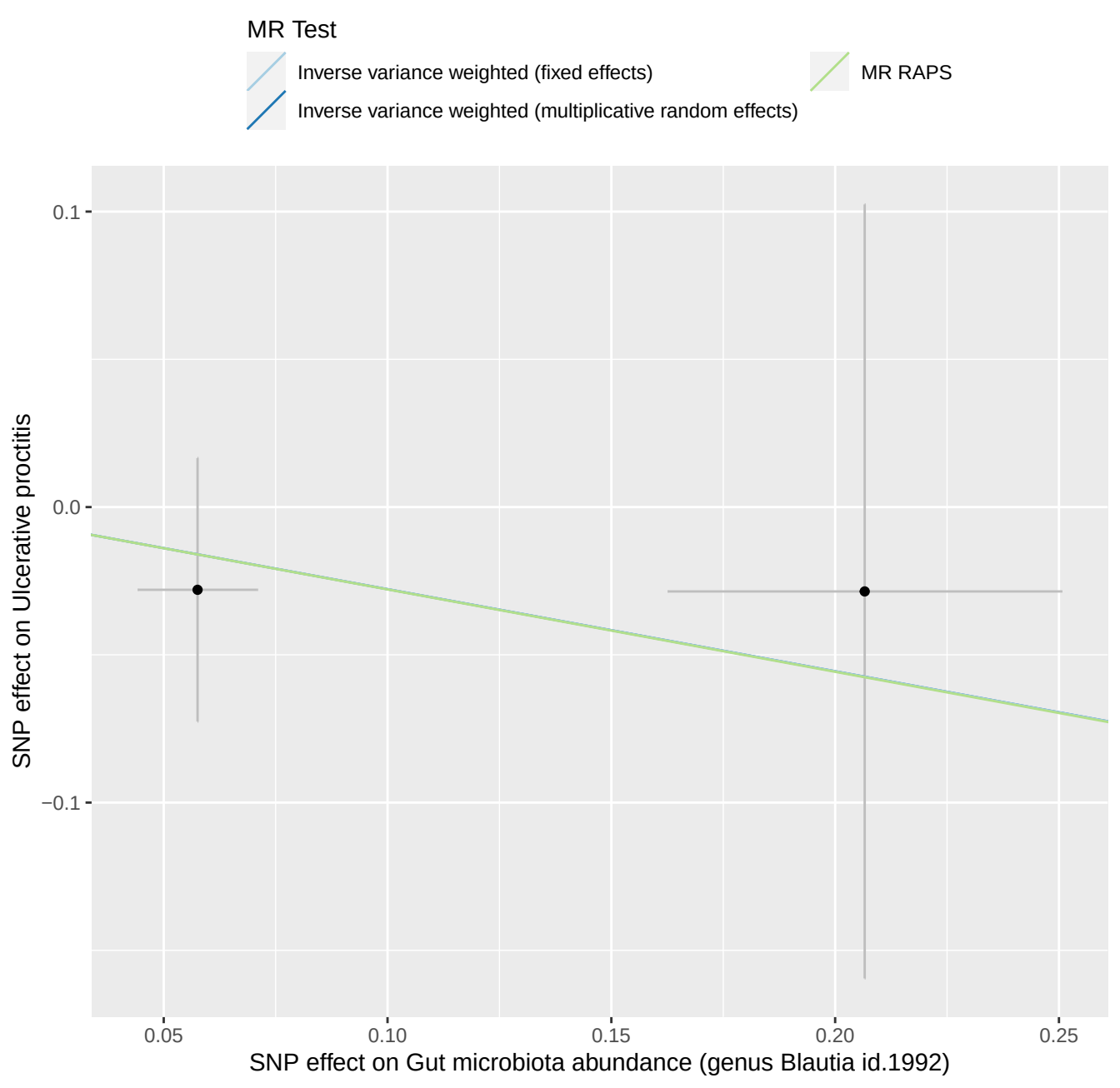

Batch 1392 : Gut microbiota abundance (genus Bacteroides id.918) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

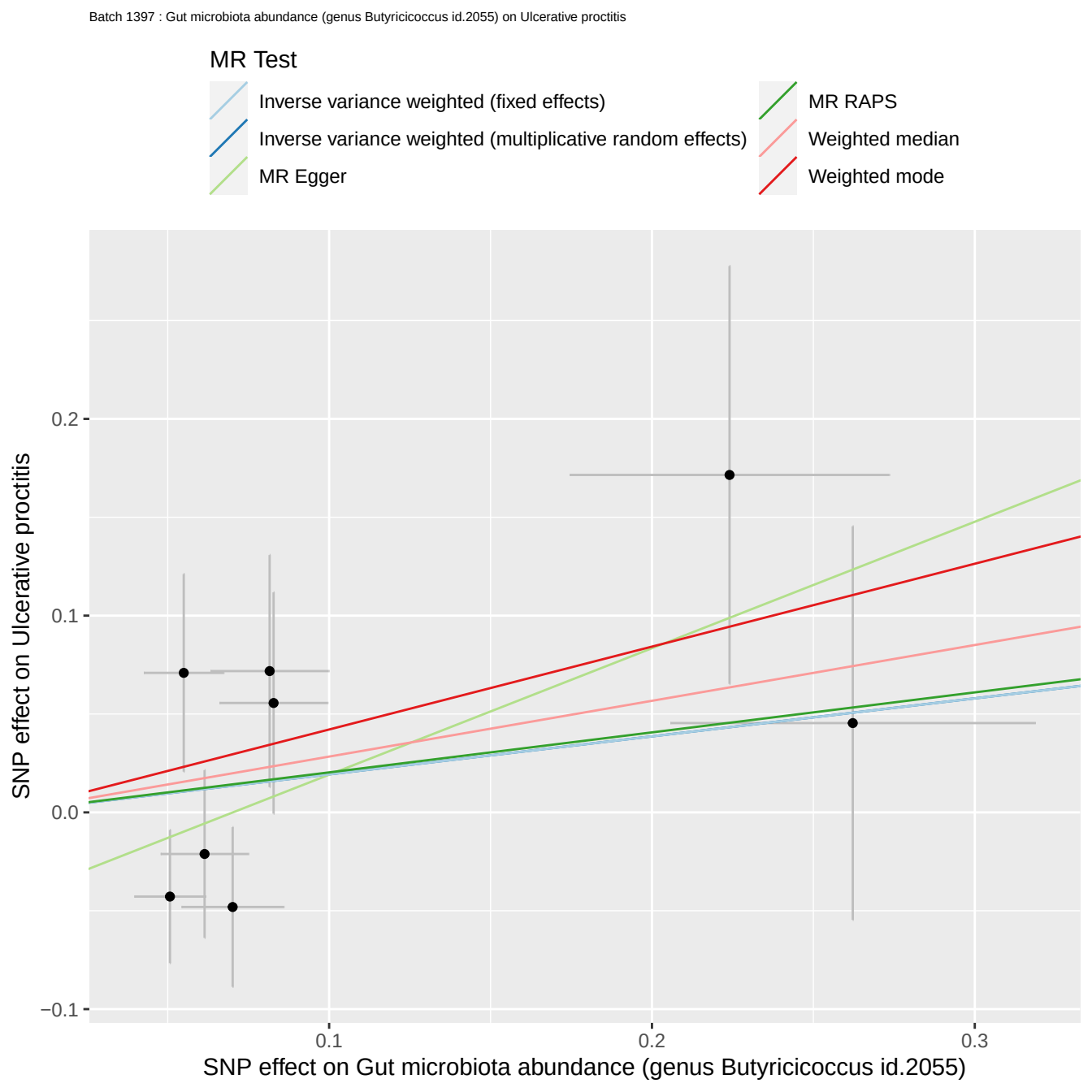

Batch 1393 : Gut microbiota abundance (genus Barnesiella id.944) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.4
0.2
0.0
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

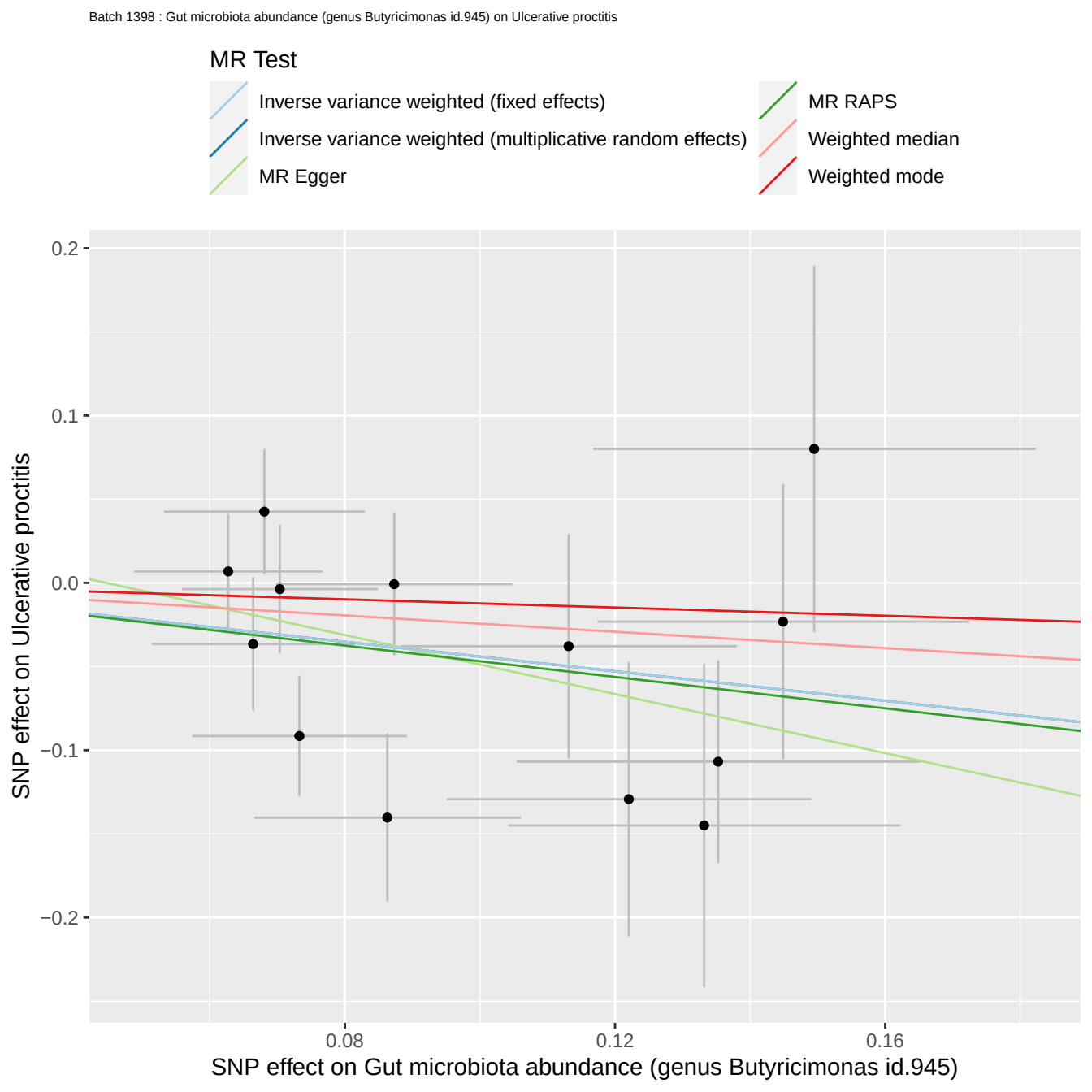

Batch 1394 : Gut microbiota abundance (genus Bifidobacterium id.436) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative proctitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)

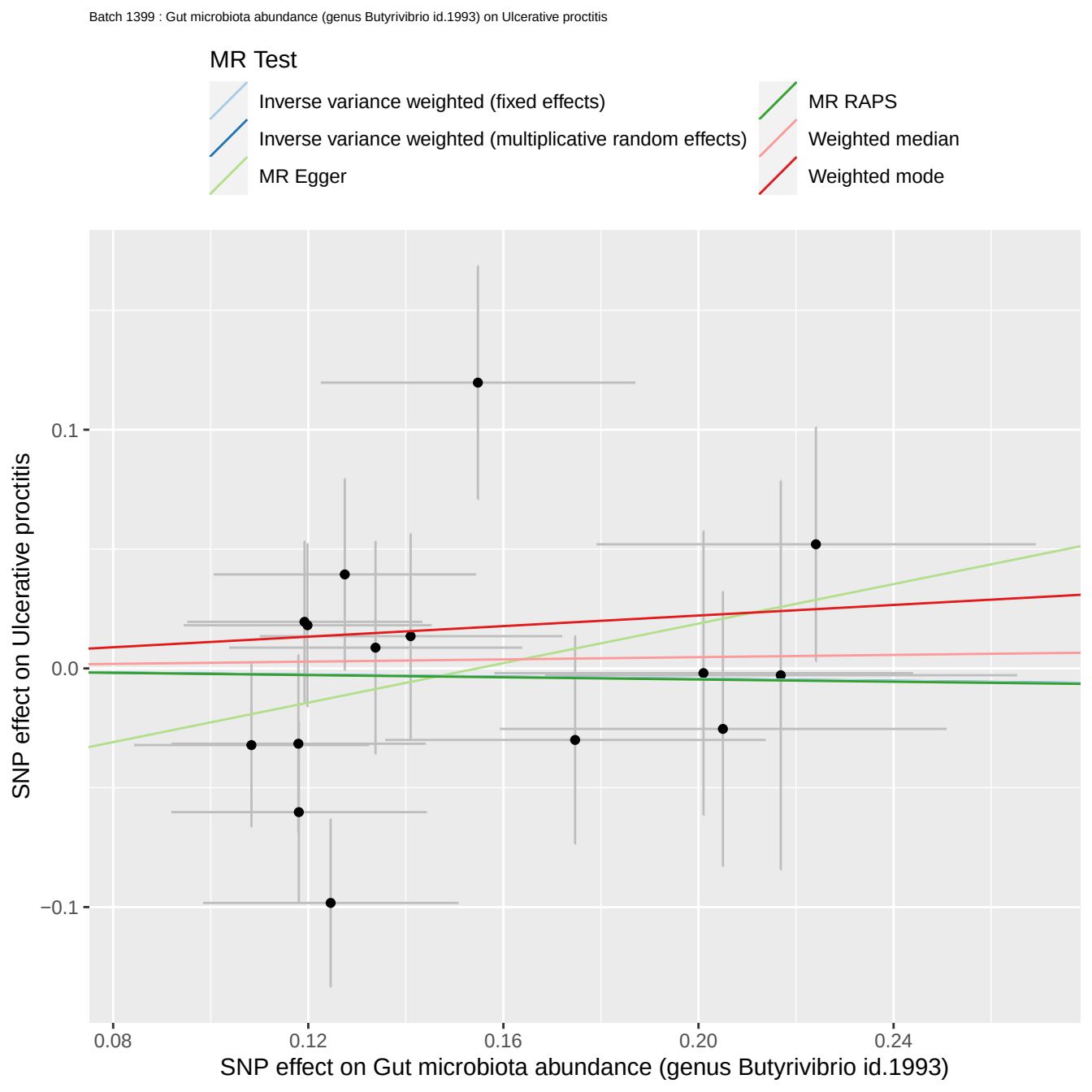

Batch 1395 : Gut microbiota abundance (genus Bilophila id.3170) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

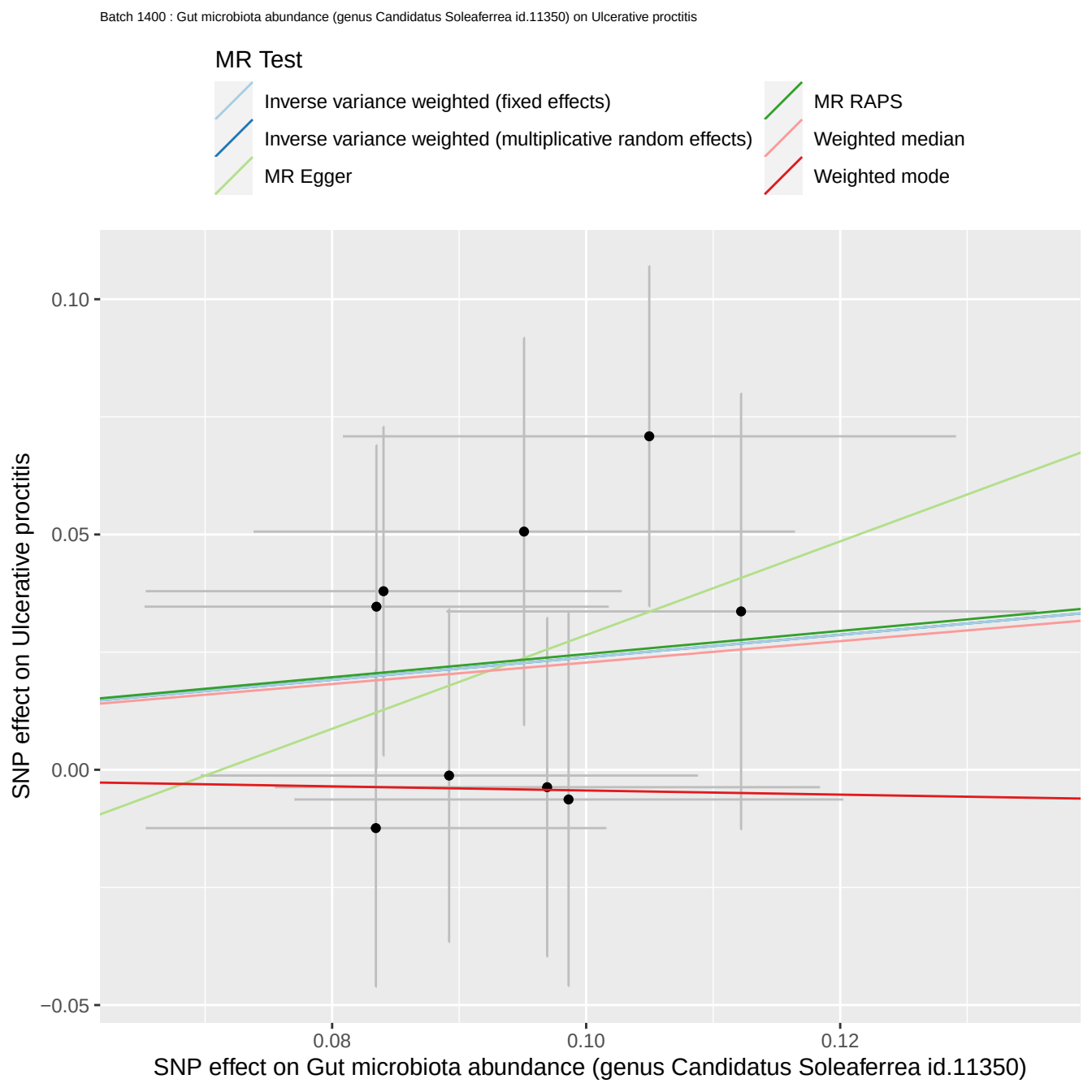
Batch 1396 : Gut microbiota abundance (genus Blautia id.1992) on Ulcerative proctitis

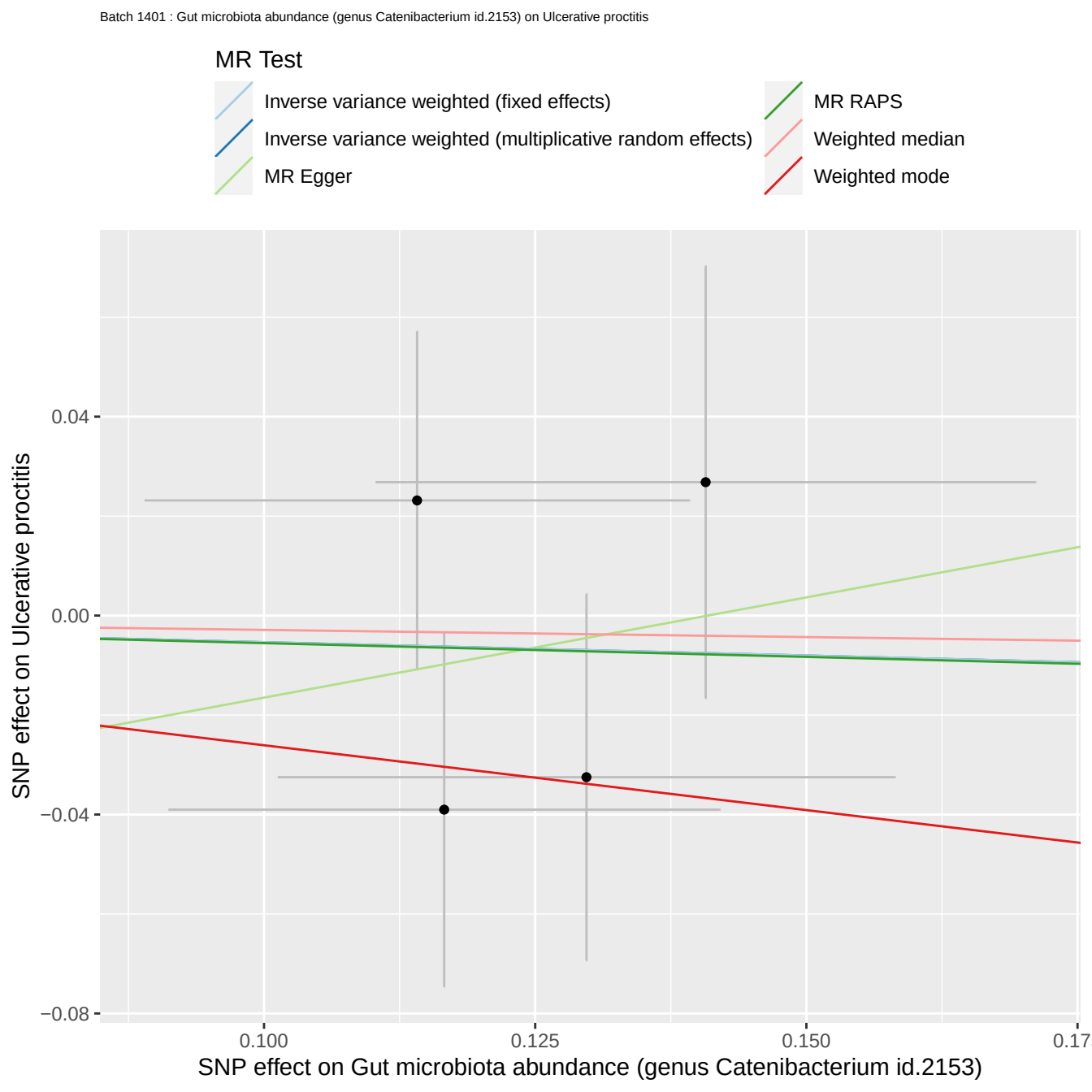



Batch 1397 : Gut microbiota abundance (genus Butyricicoccus id.2055) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)

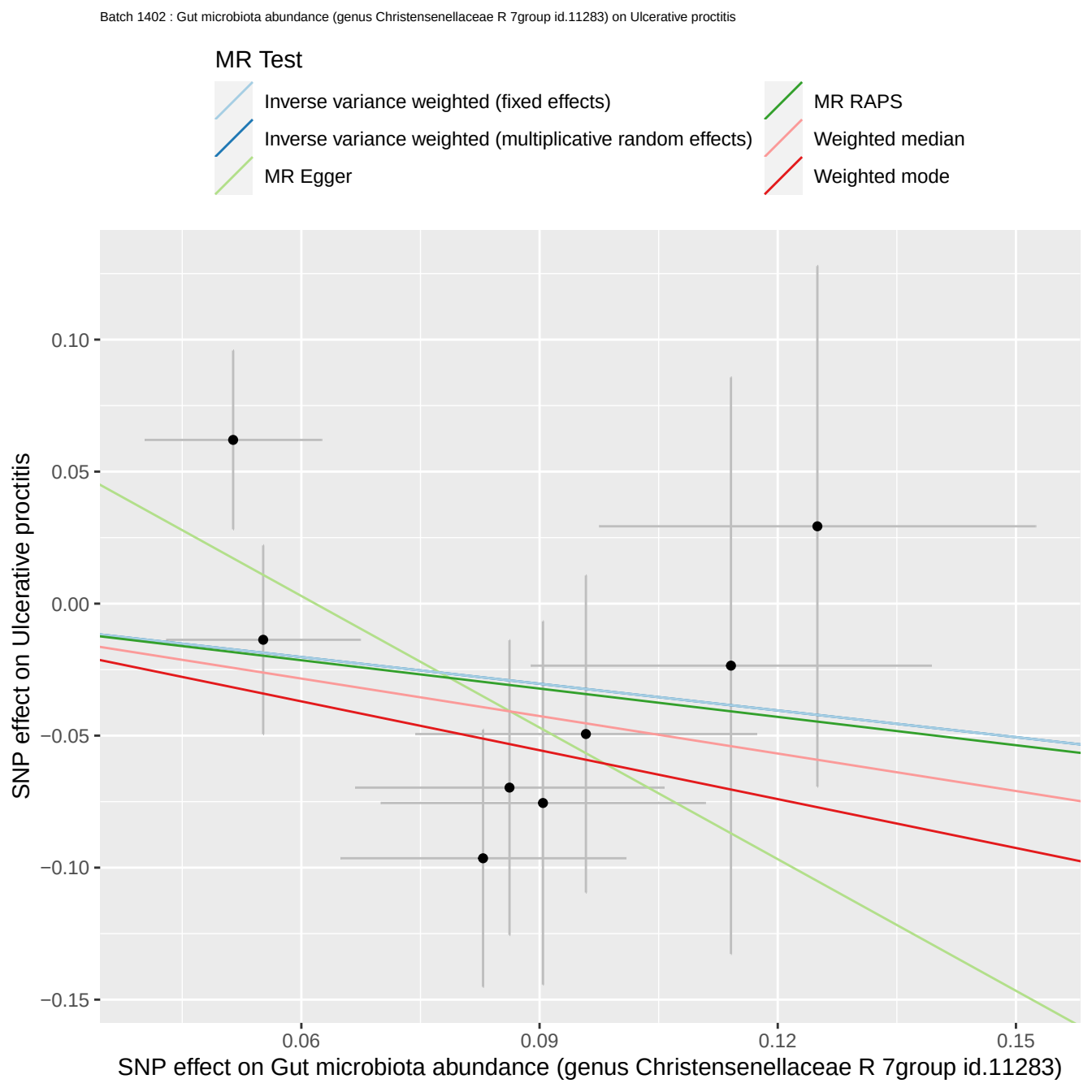

Batch 1398 : Gut microbiota abundance (genus Butyricimonas id.945) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative proctitis
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

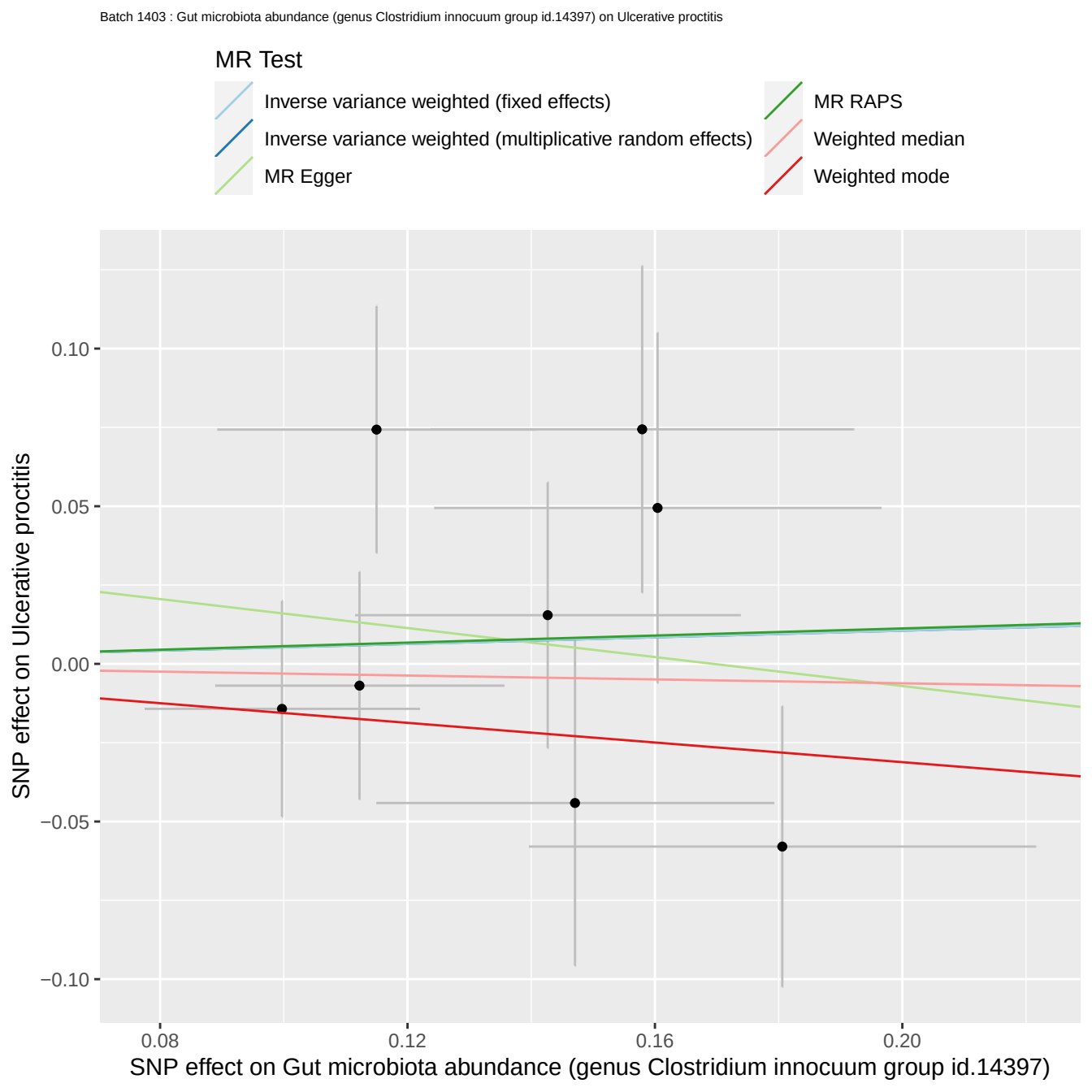

Batch 1399 : Gut microbiota abundance (genus Butyrivibrio id.1993) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

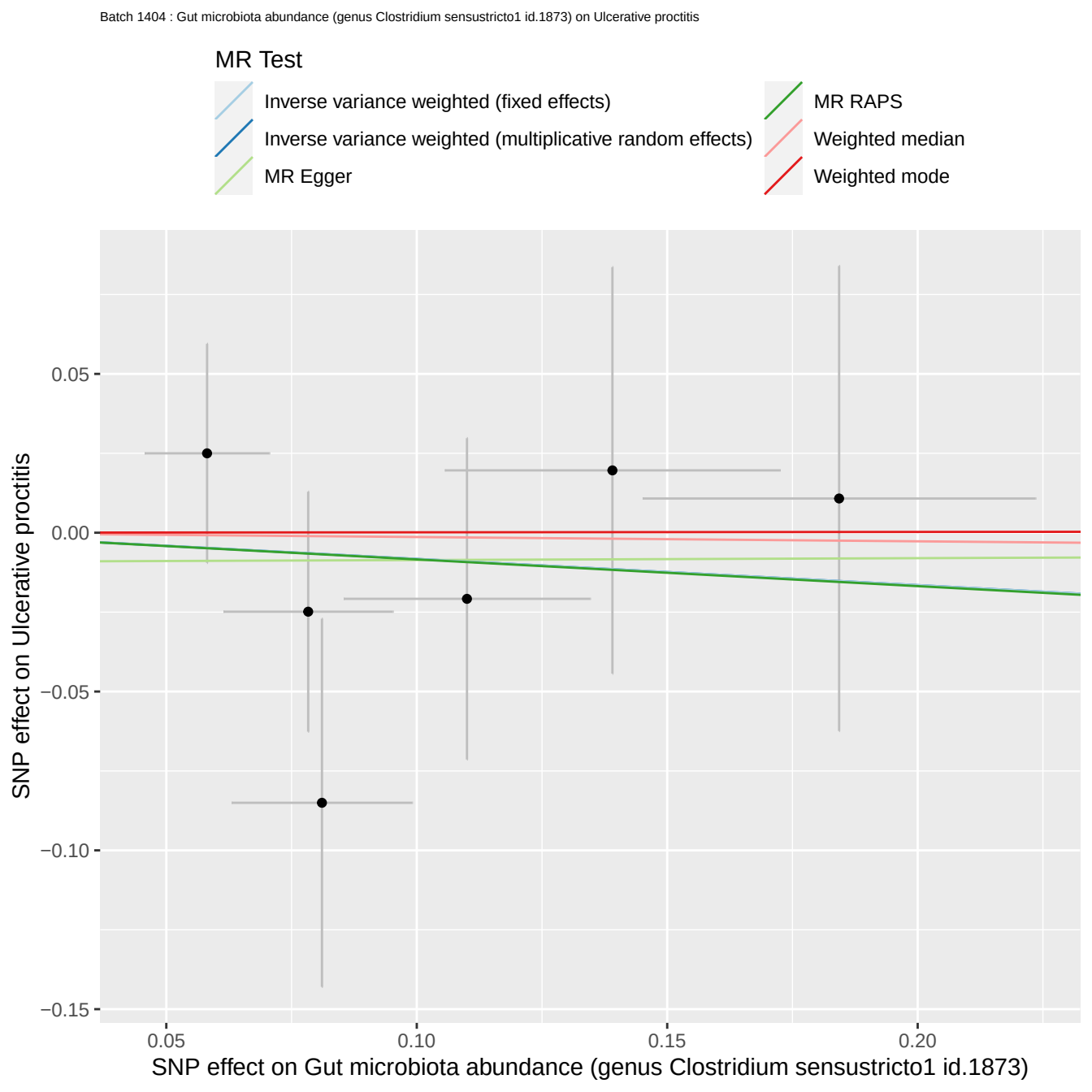

Batch 1400 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative proctitis
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

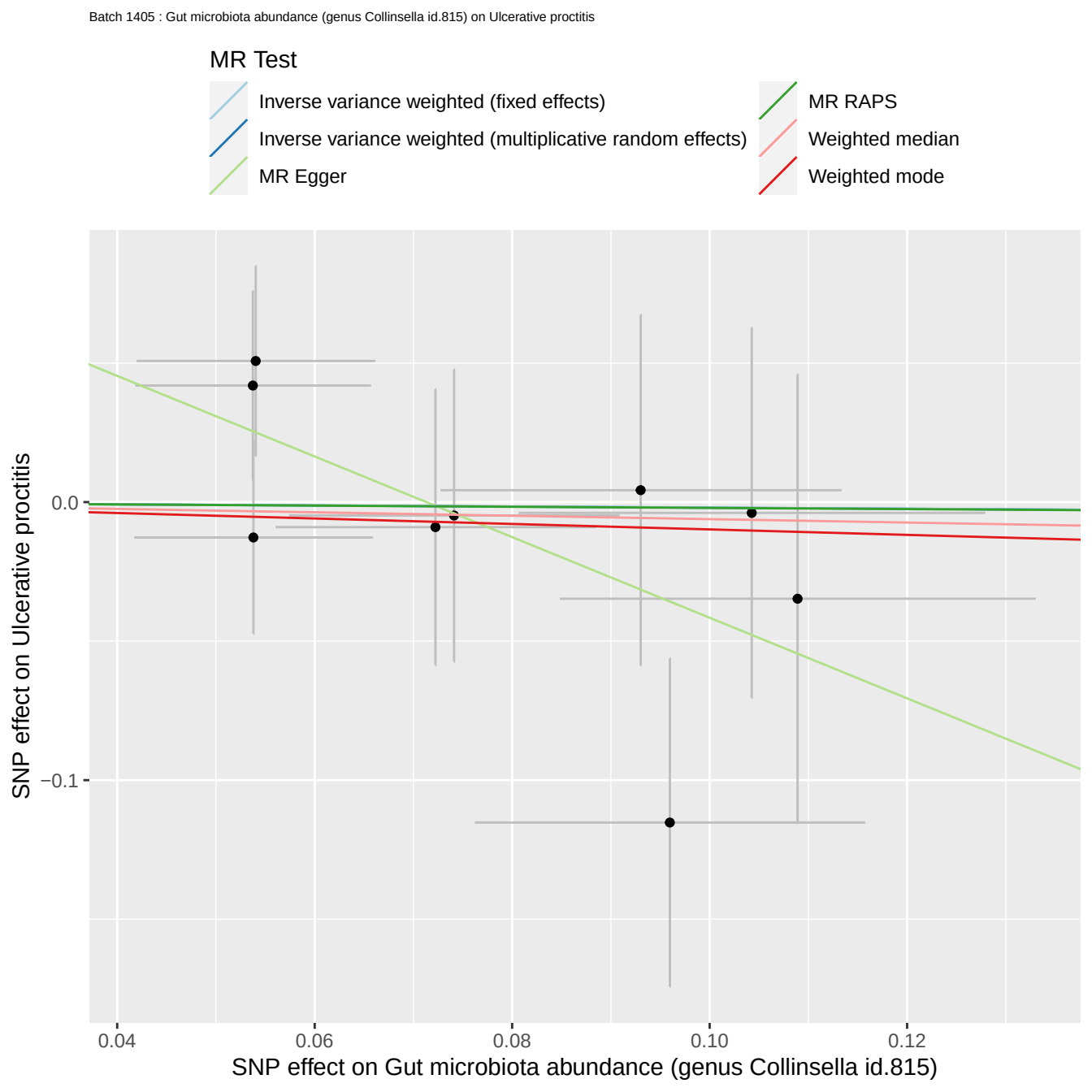

Batch 1401 : Gut microbiota abundance (genus Catenibacterium id.2153) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.04
0.00
−0.04
−0.08
0.100
0.125
0.150
0.17
SNP effect on Gut microbiota abundance (genus Catenibacterium id.2153)

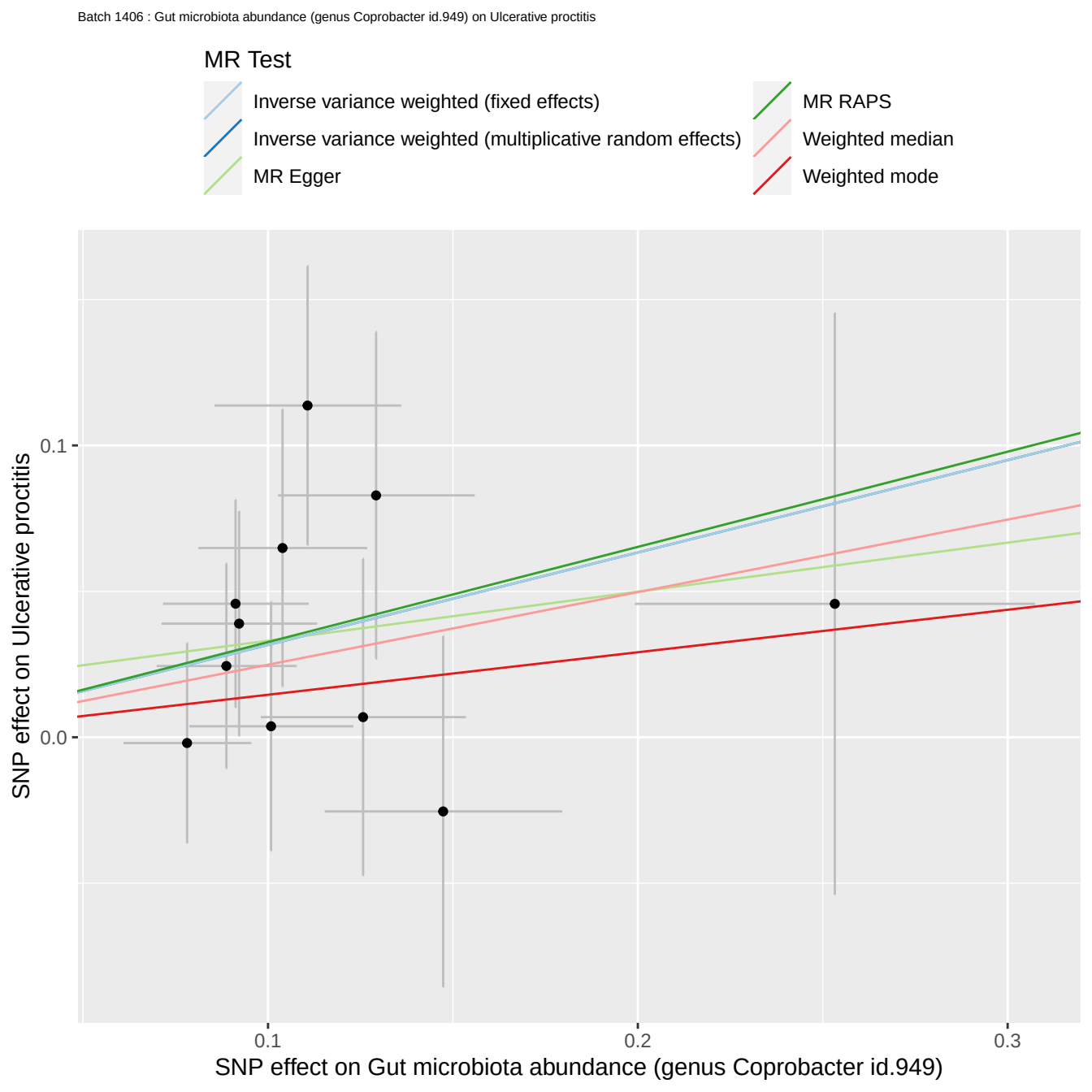
Batch 1402 : Gut microbiota abundance (genus Christensenellaceae R 7group id.11283) on Ulcerative proctitis

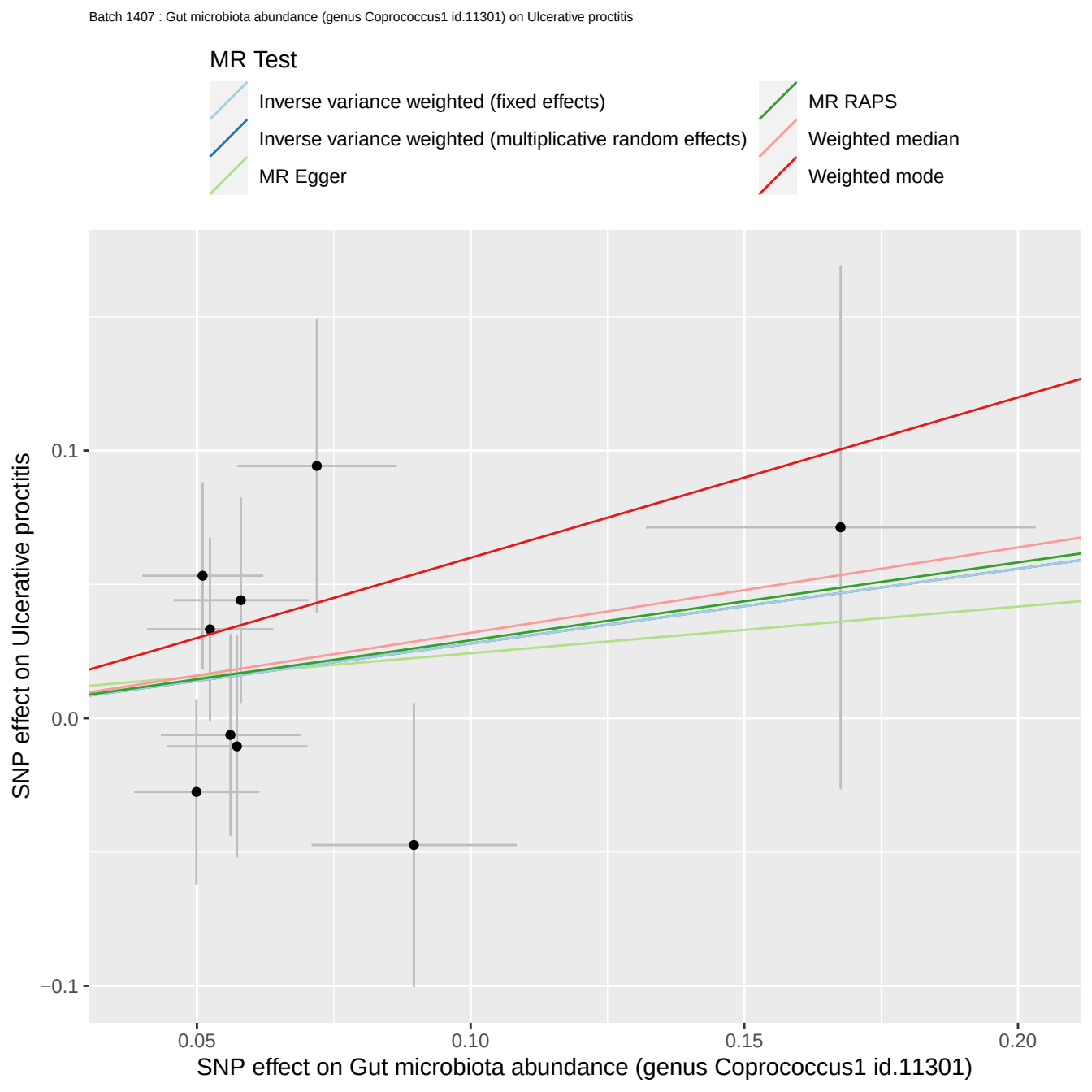


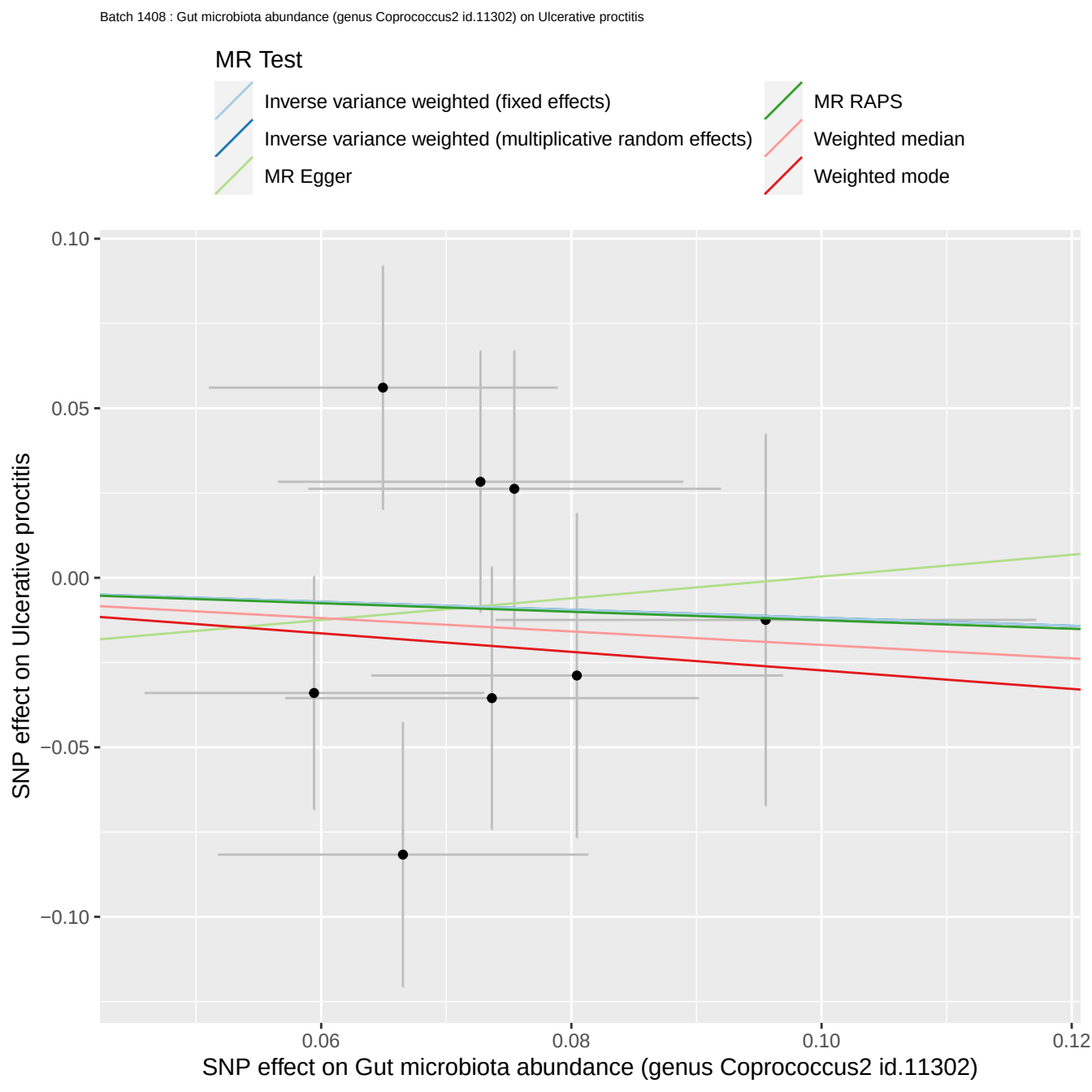

Batch 1403 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

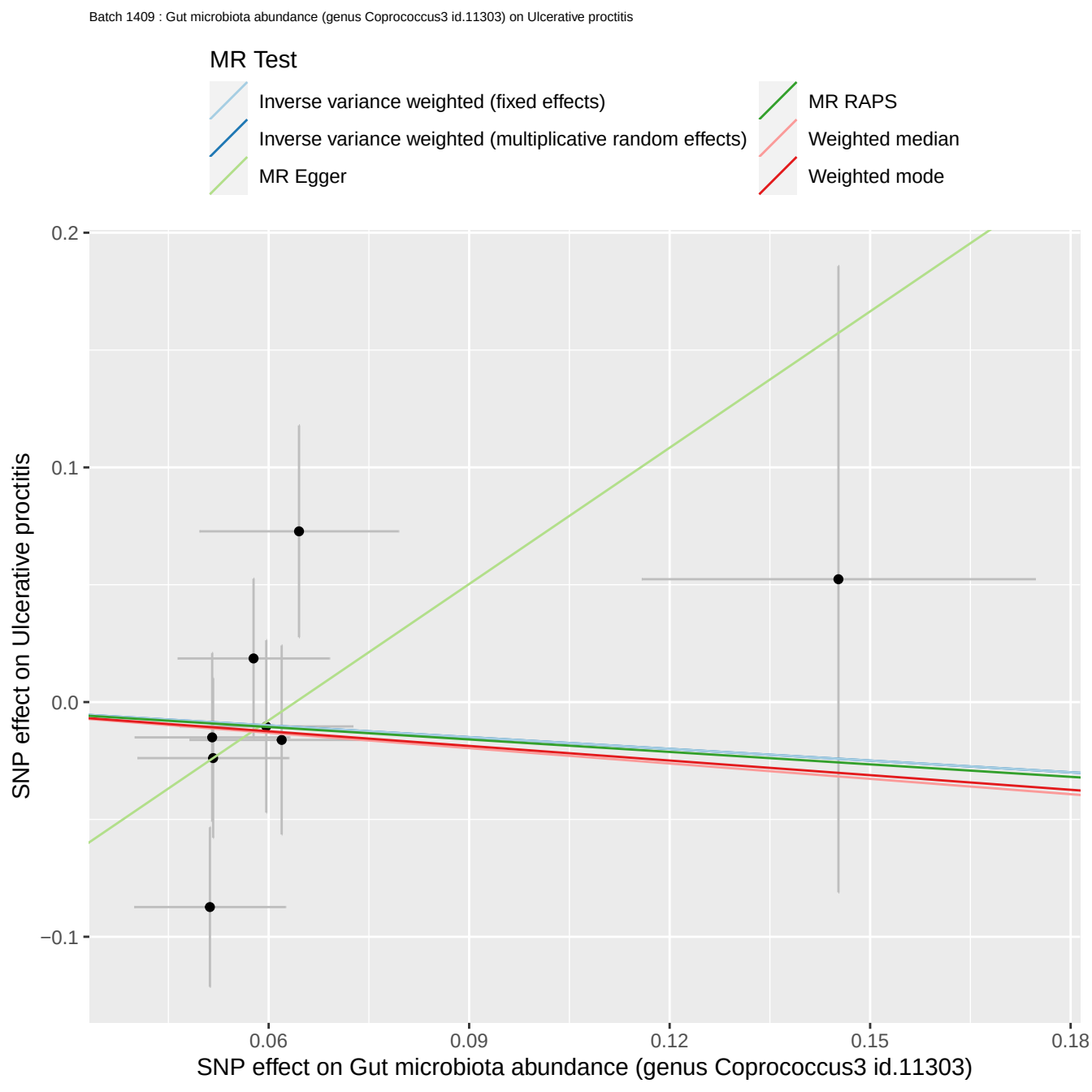

Batch 1404 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

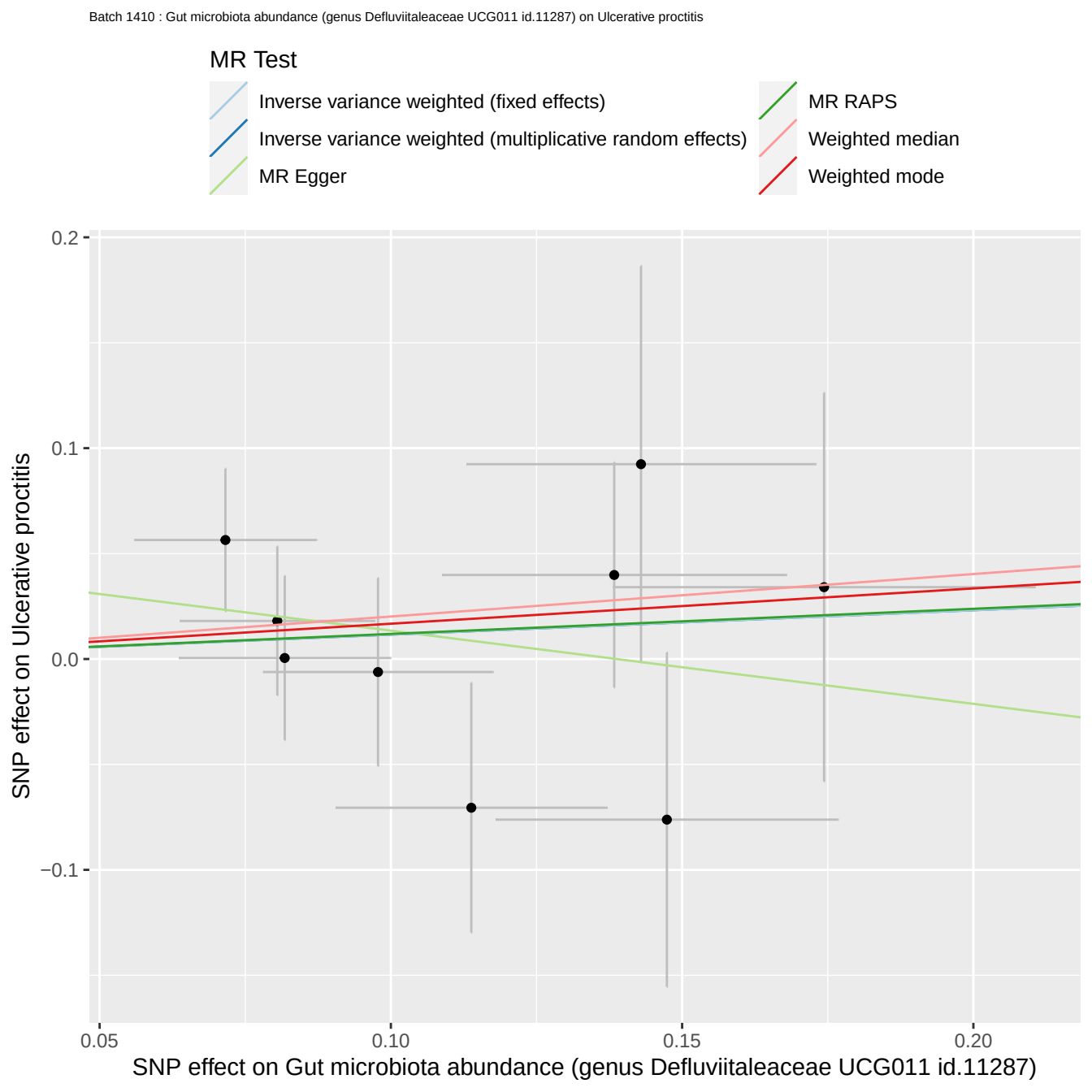

Batch 1405 : Gut microbiota abundance (genus Collinsella id.815) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.0
−0.1
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

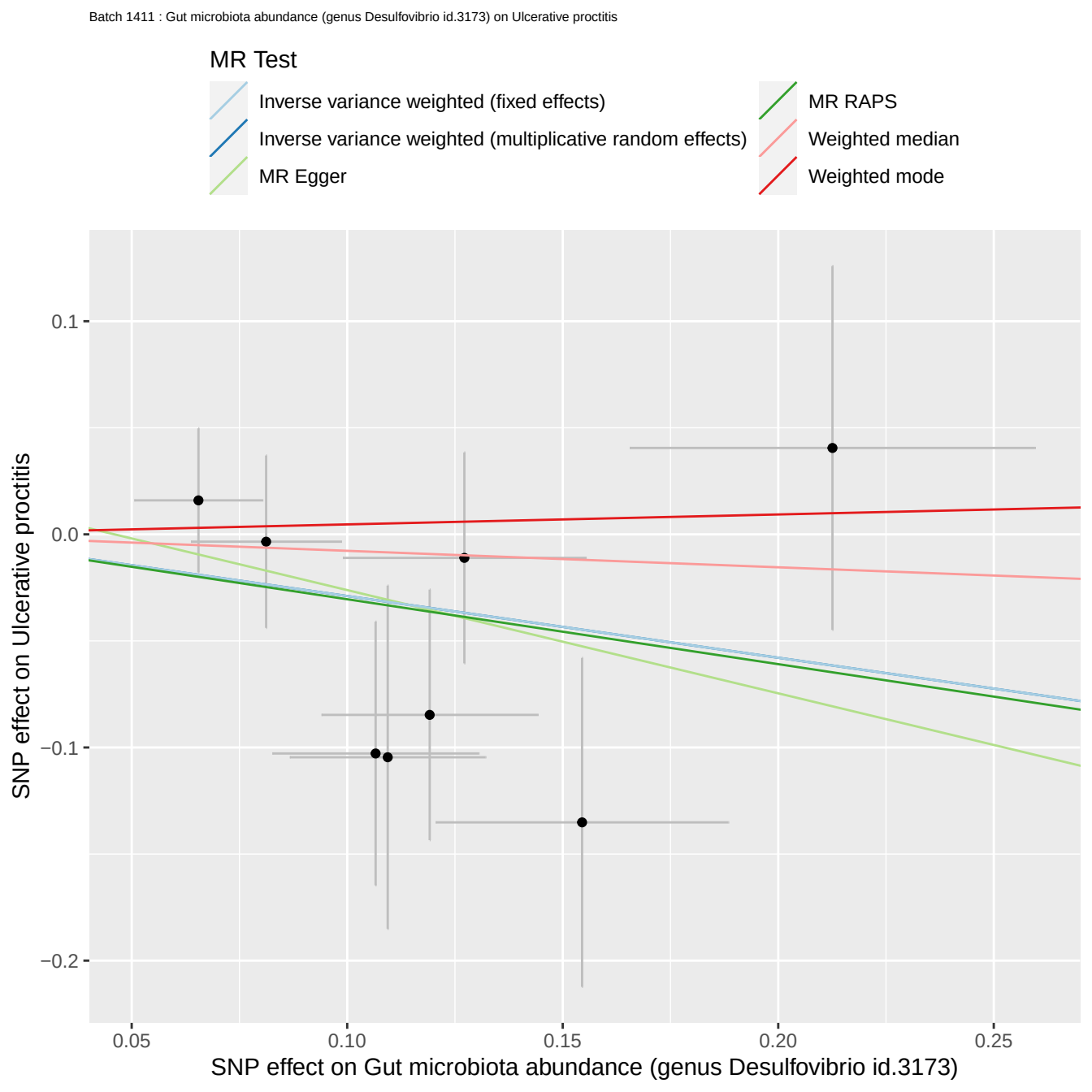

Batch 1406 : Gut microbiota abundance (genus Coprobacter id.949) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

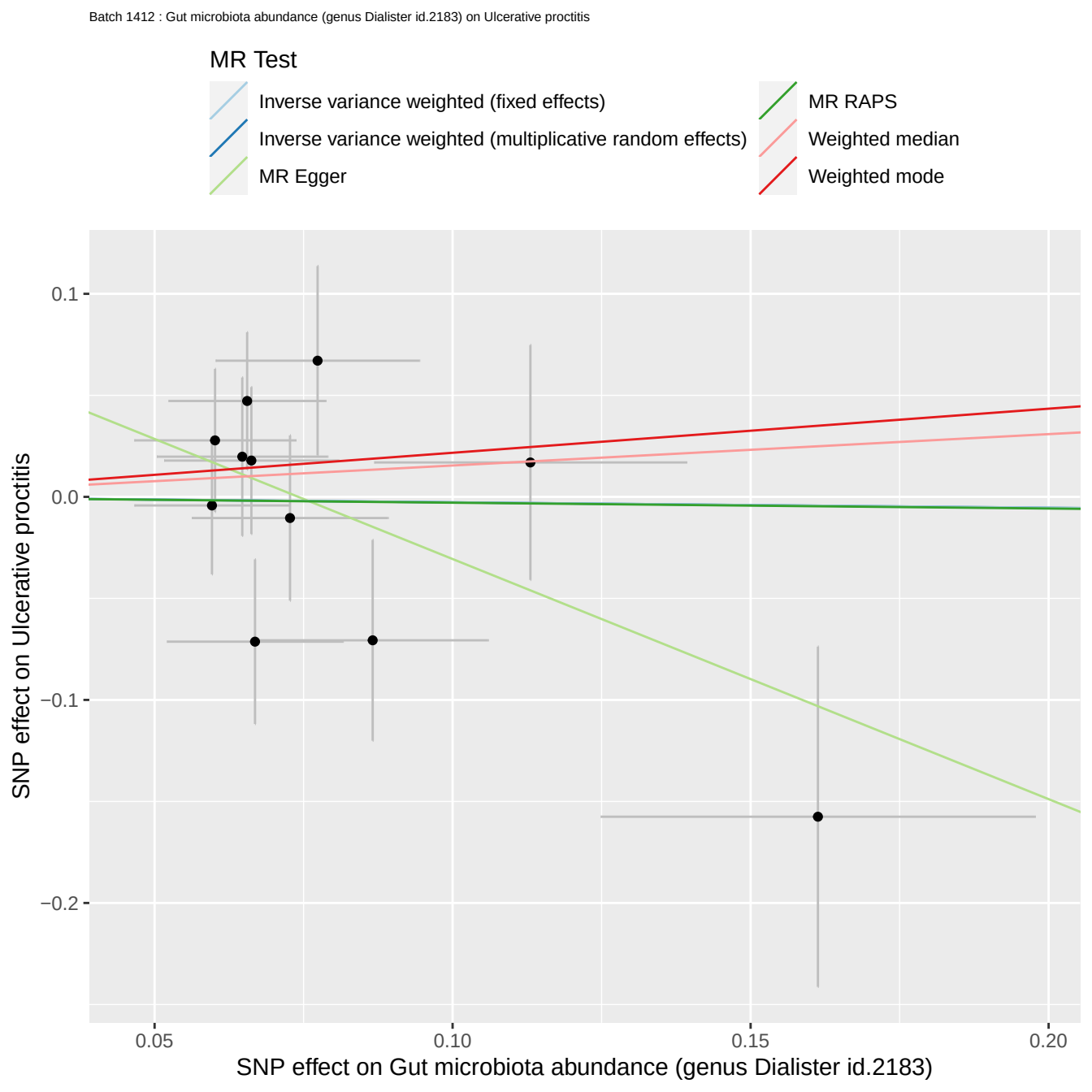

Batch 1407 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

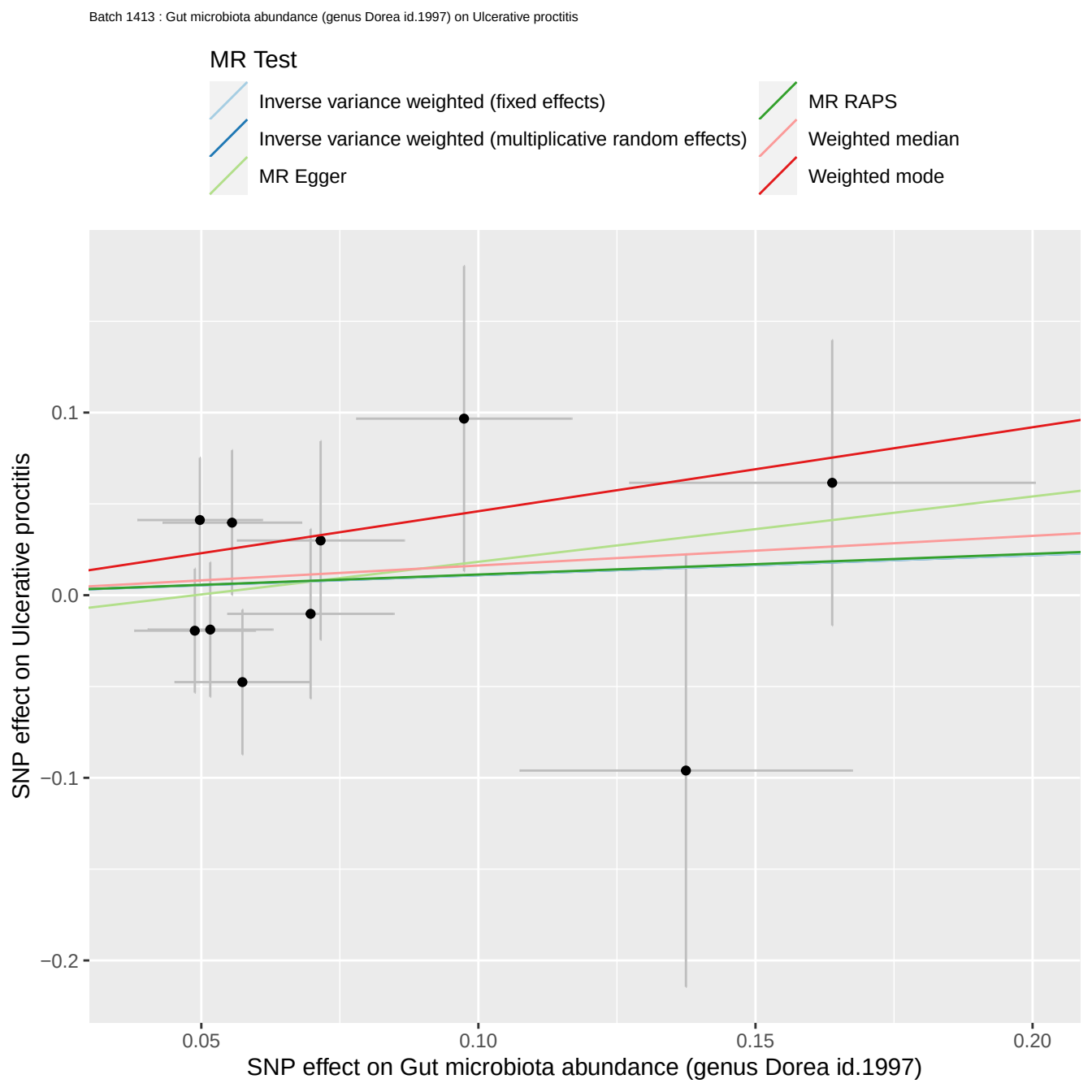

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)

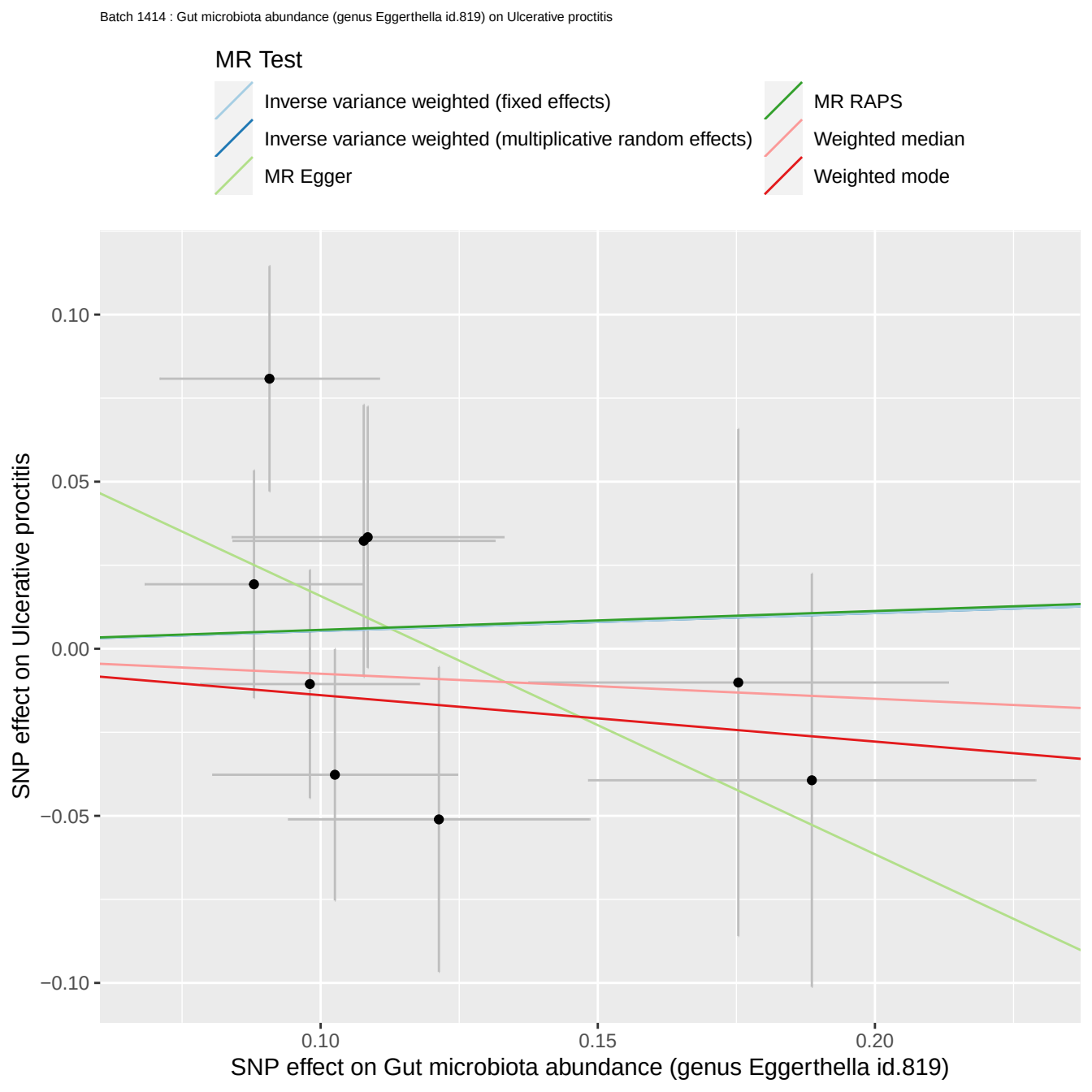

Batch 1409 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

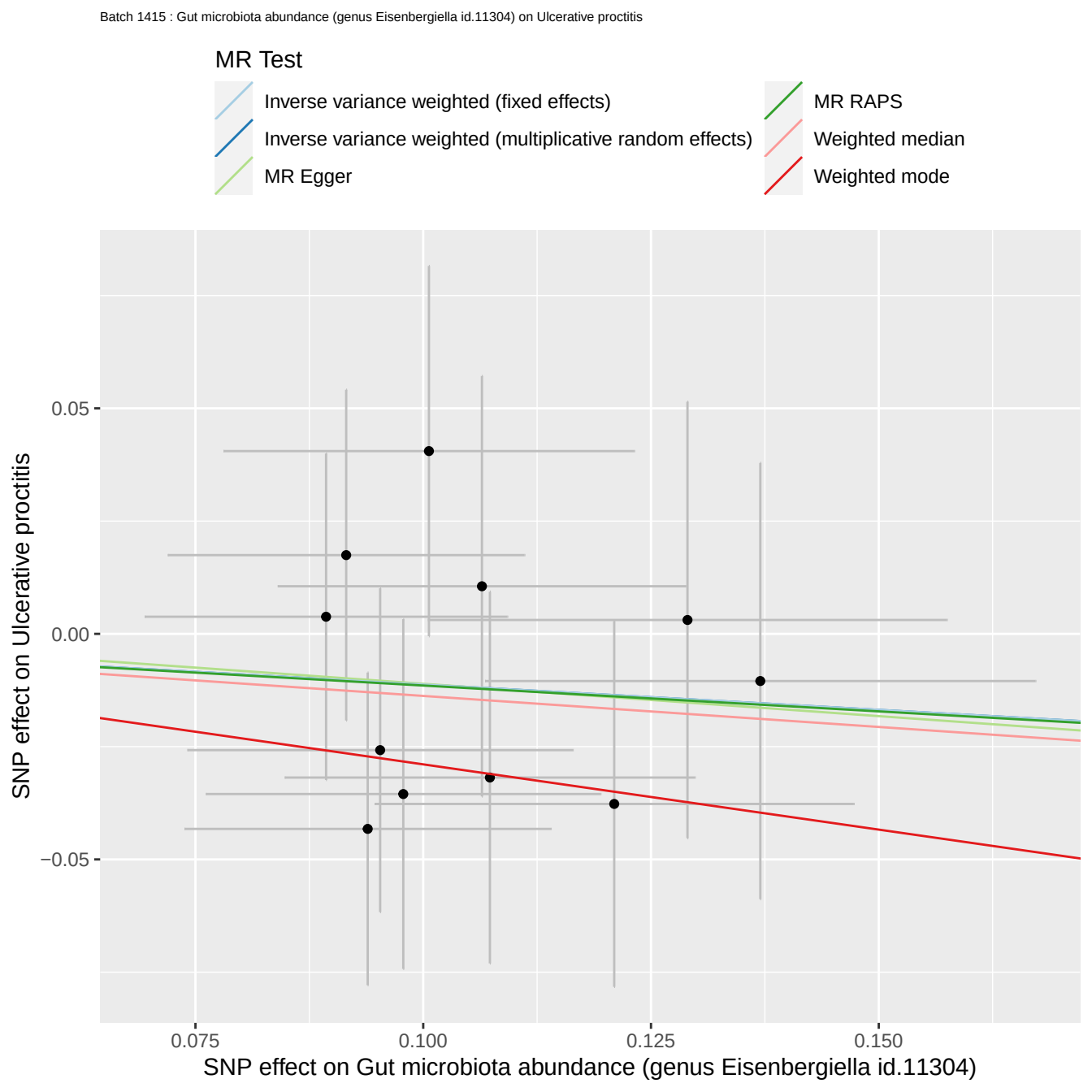

Batch 1410 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

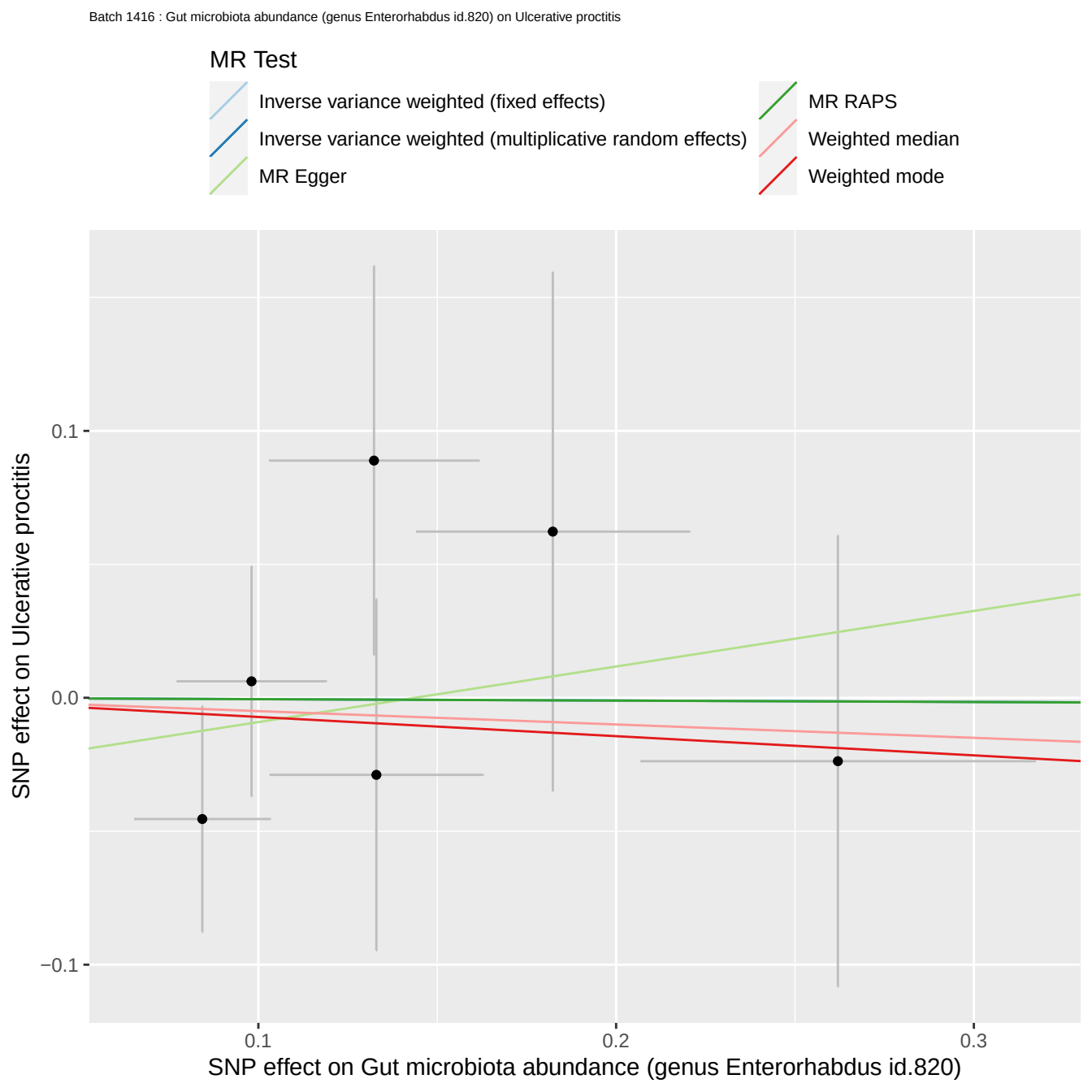

Batch 1411 : Gut microbiota abundance (genus Desulfovibrio id.3173) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)

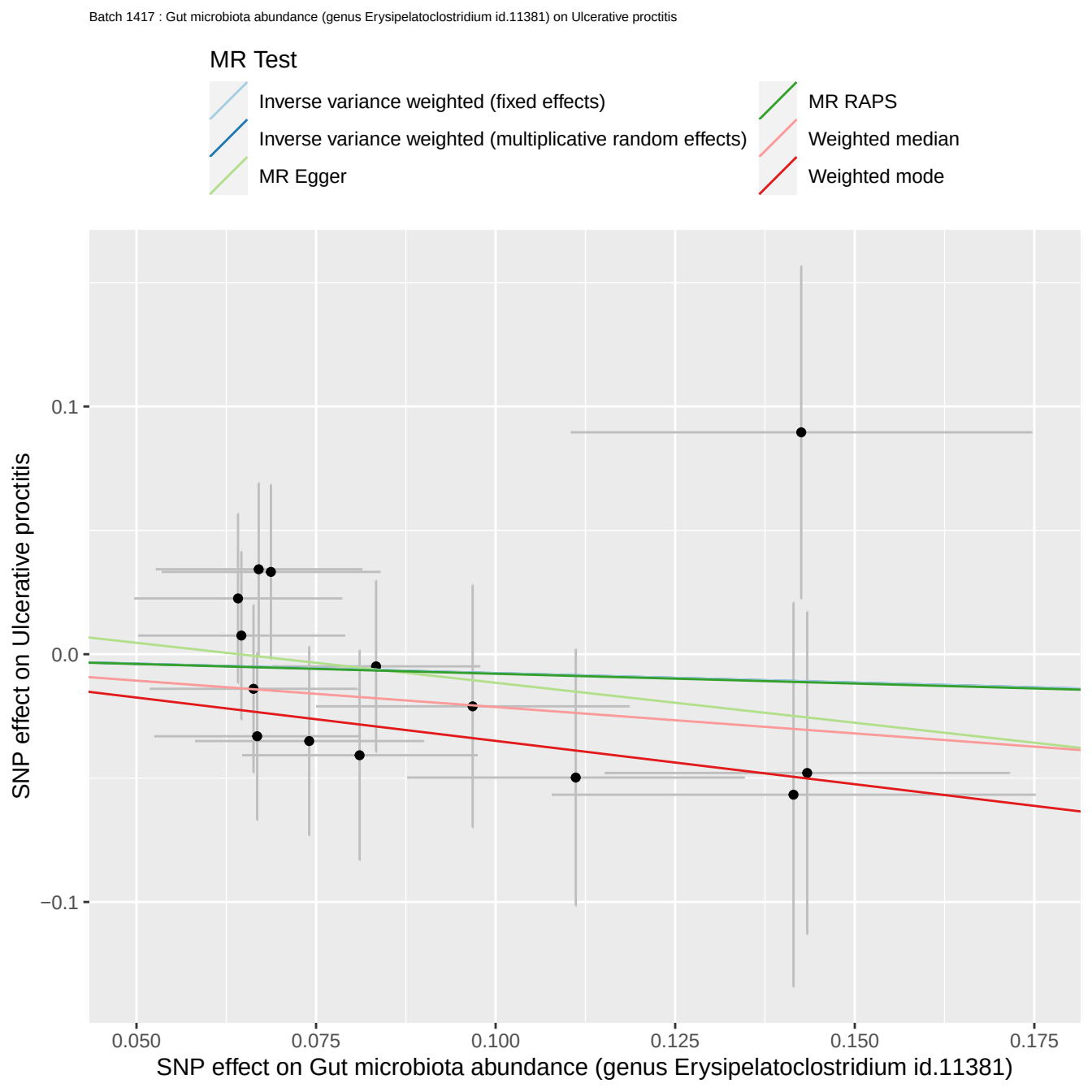

Batch 1412 : Gut microbiota abundance (genus Dialister id.2183) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)


Batch 1413 : Gut microbiota abundance (genus Dorea id.1997) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)

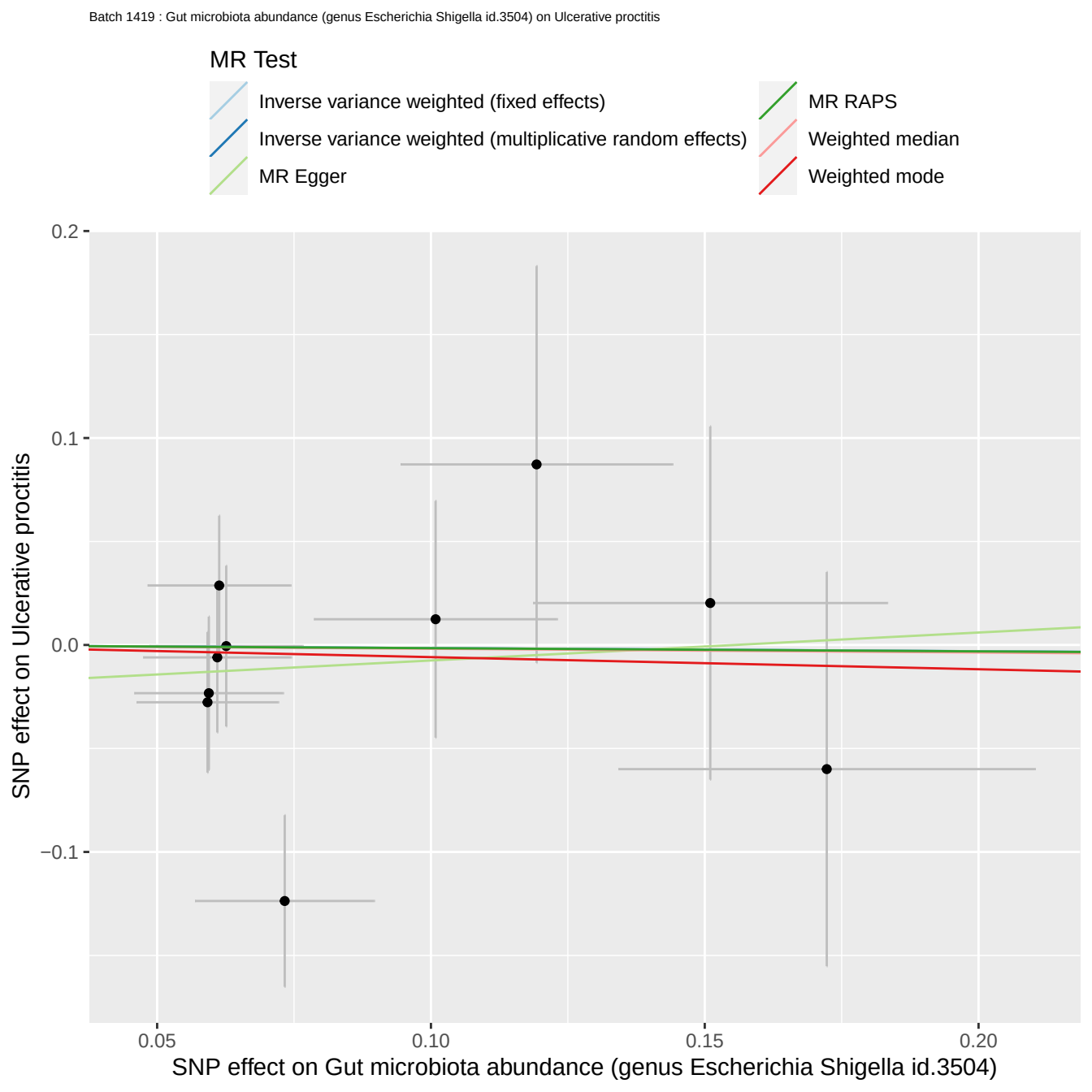

Batch 1414 : Gut microbiota abundance (genus Eggerthella id.819) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Eggerthella id.819)

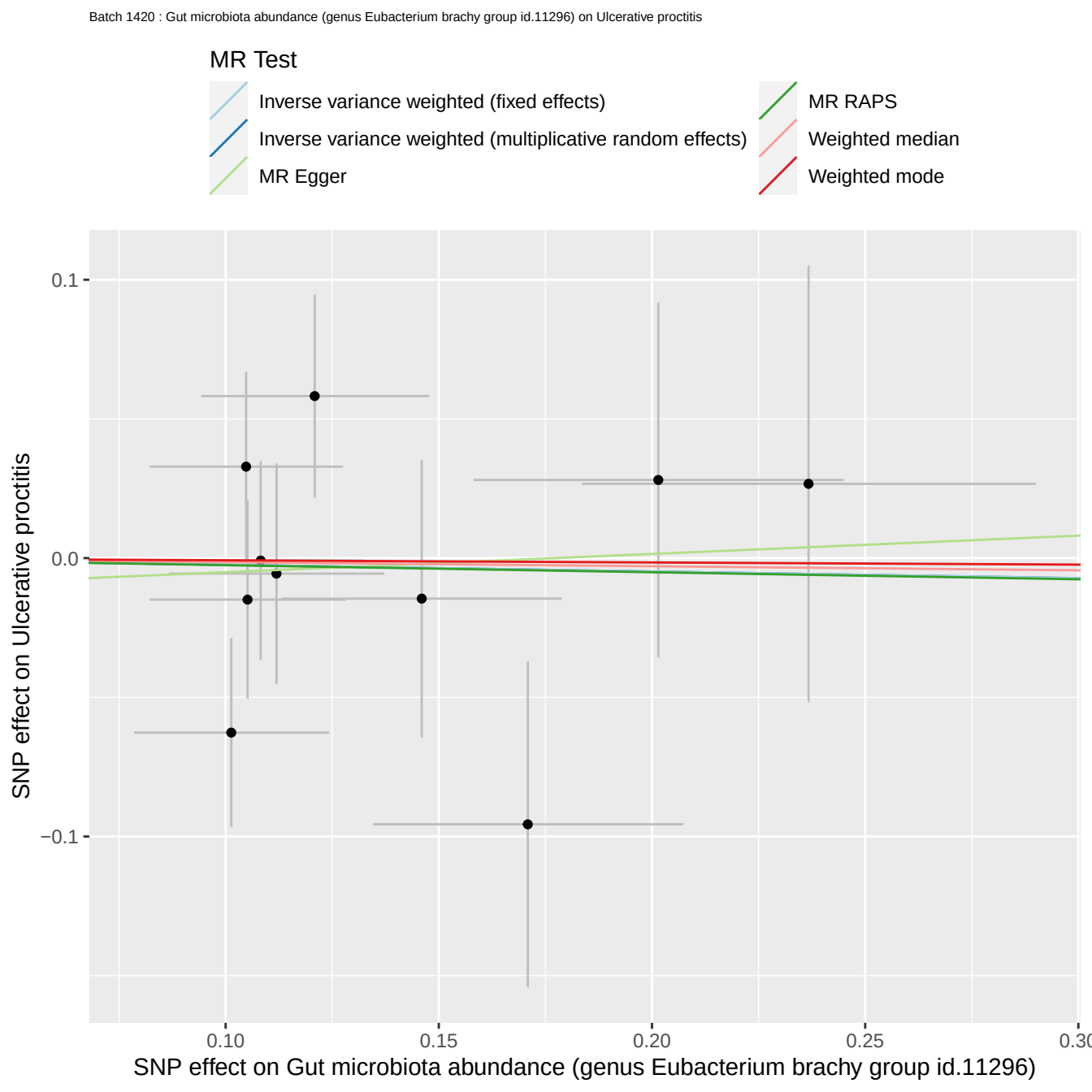

Batch 1415 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

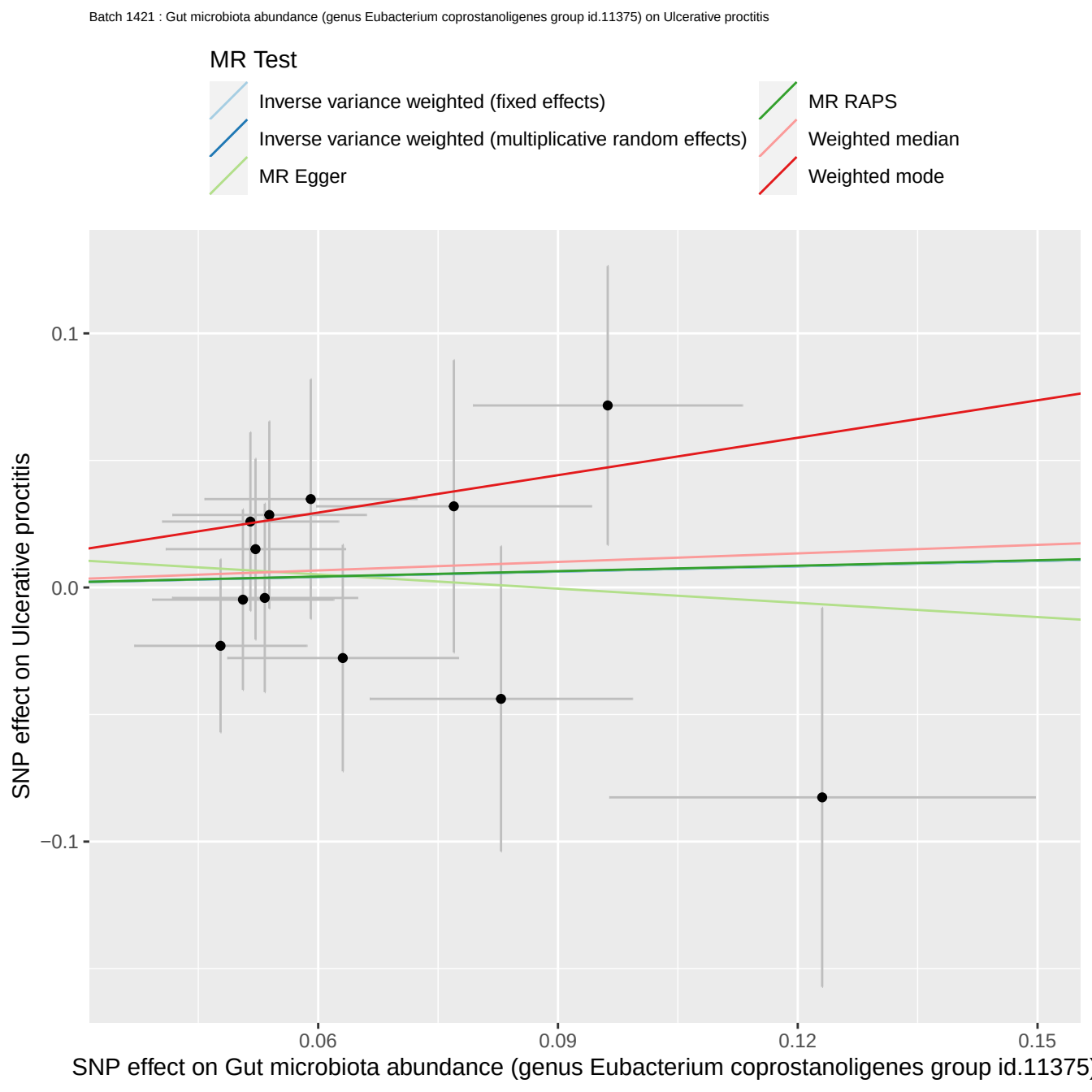

Batch 1416 : Gut microbiota abundance (genus Enterorhabdus id.820) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Enterorhabdus id.820)

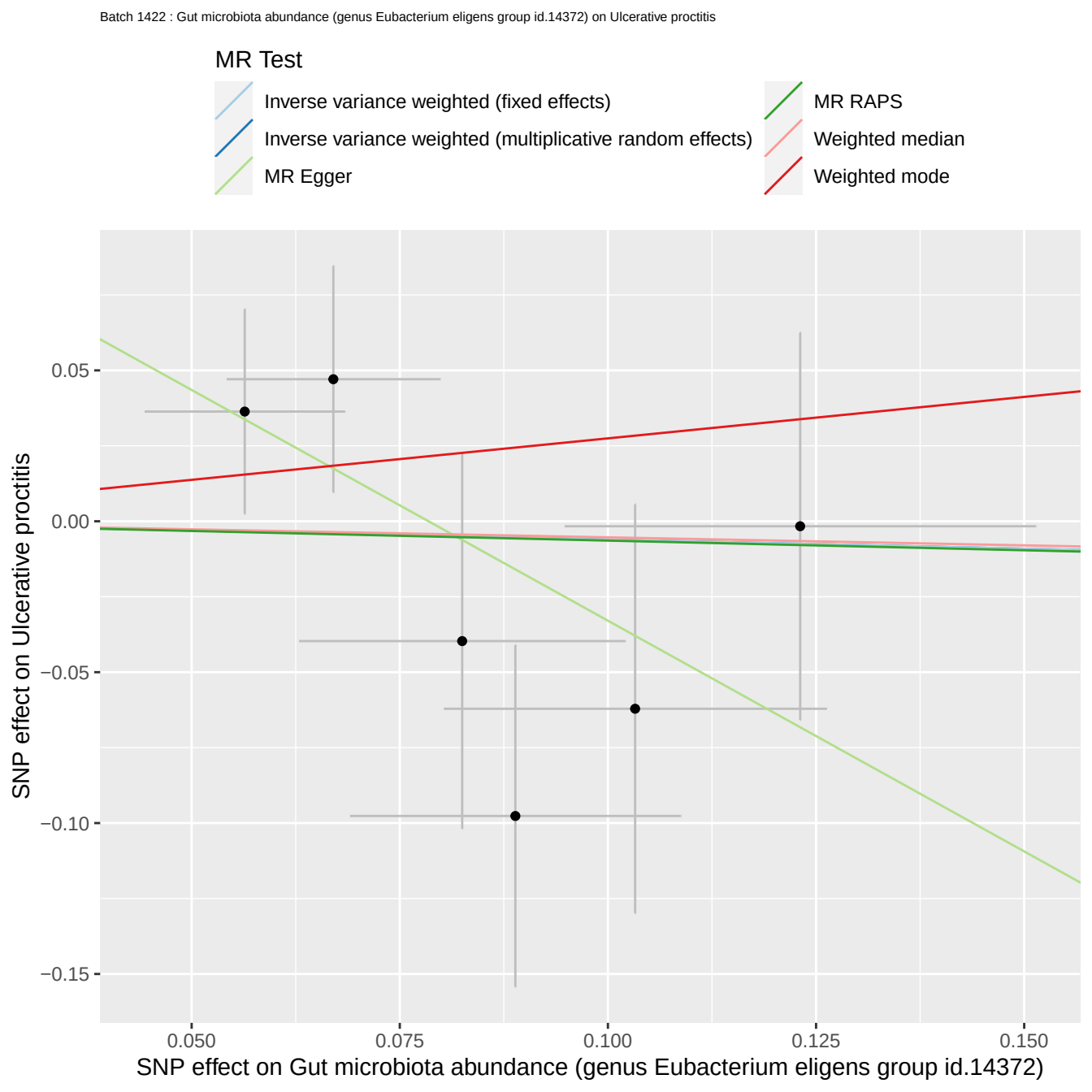

Batch 1417 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

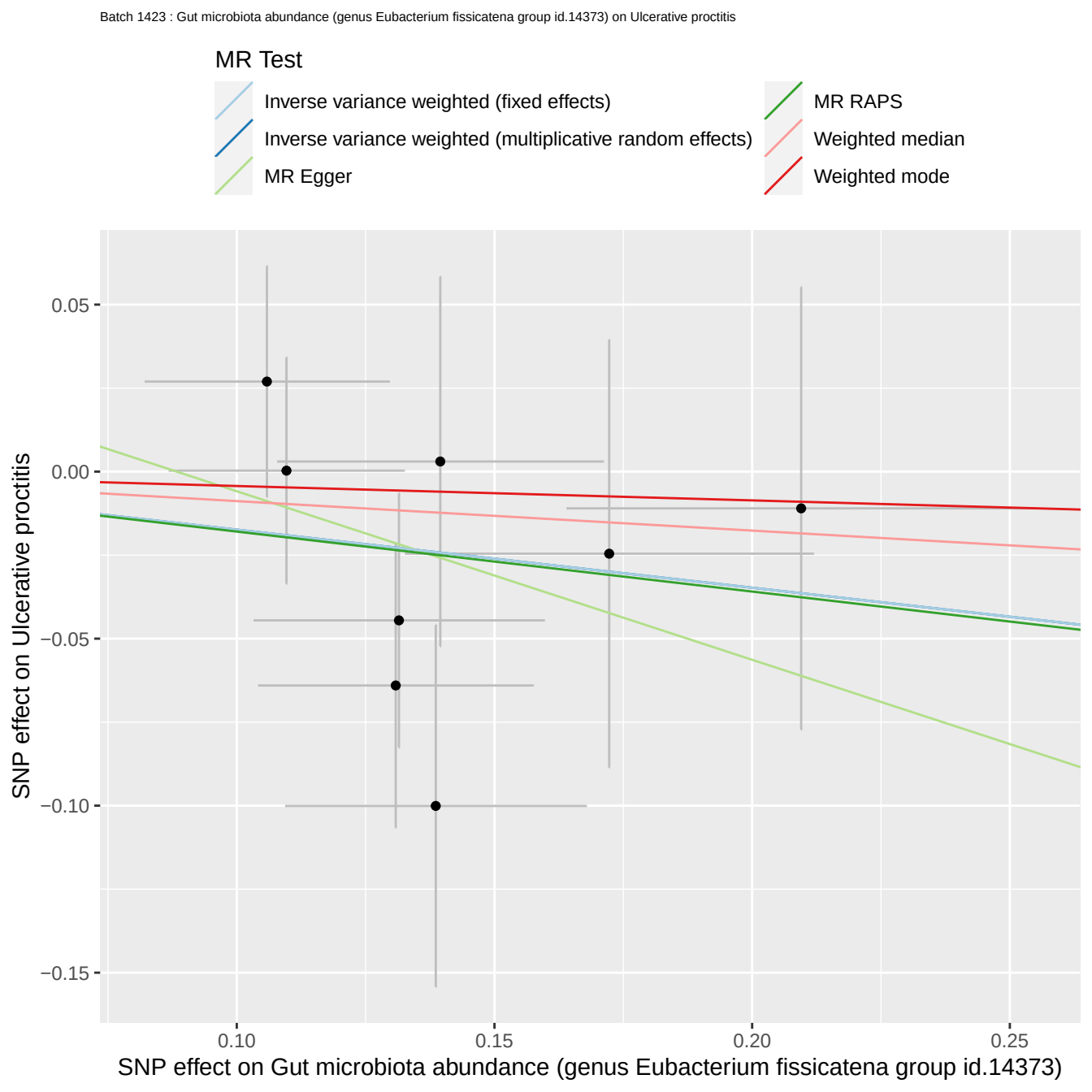
Insufficient number of SNPs

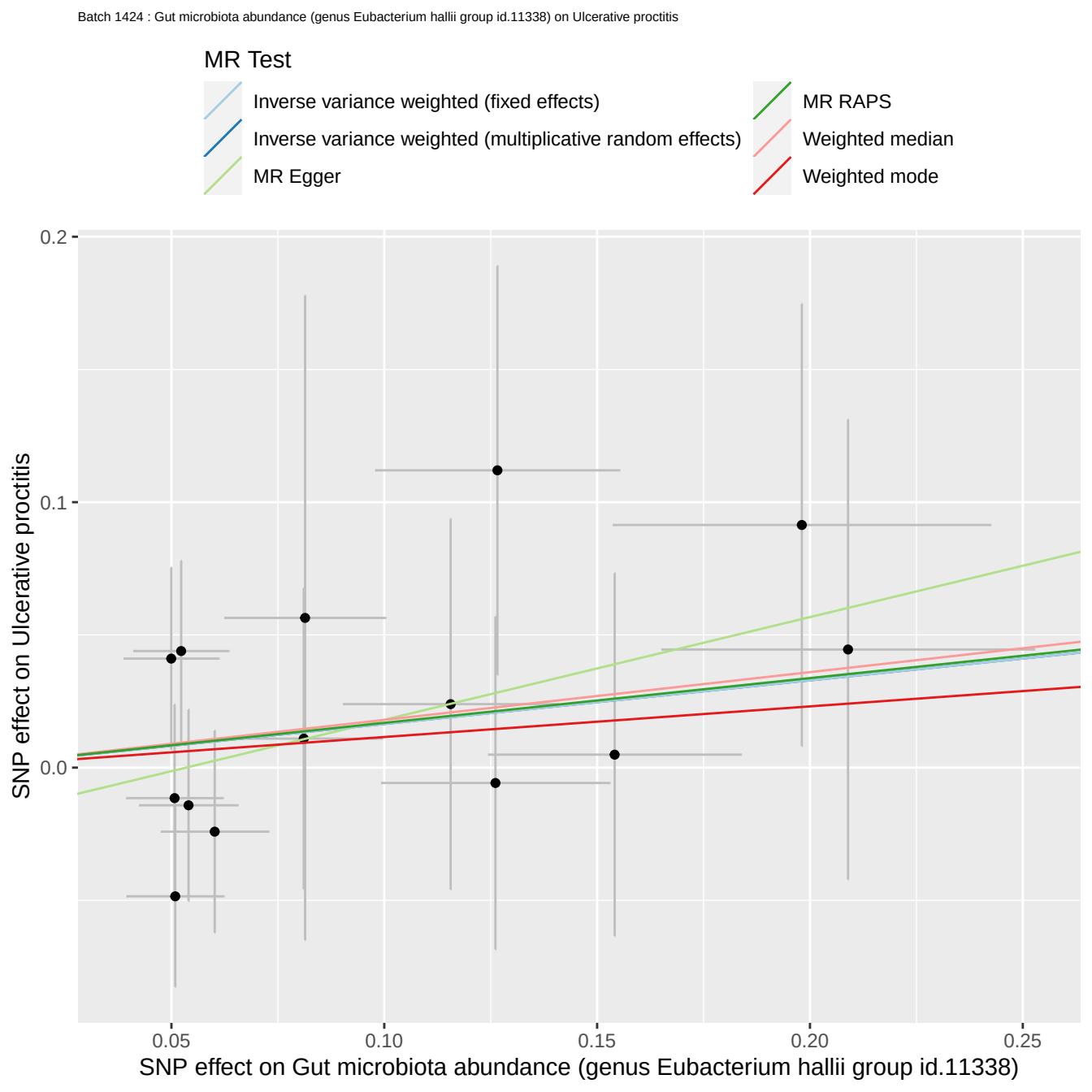

Batch 1419 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Escherichia Shigella id.3504)

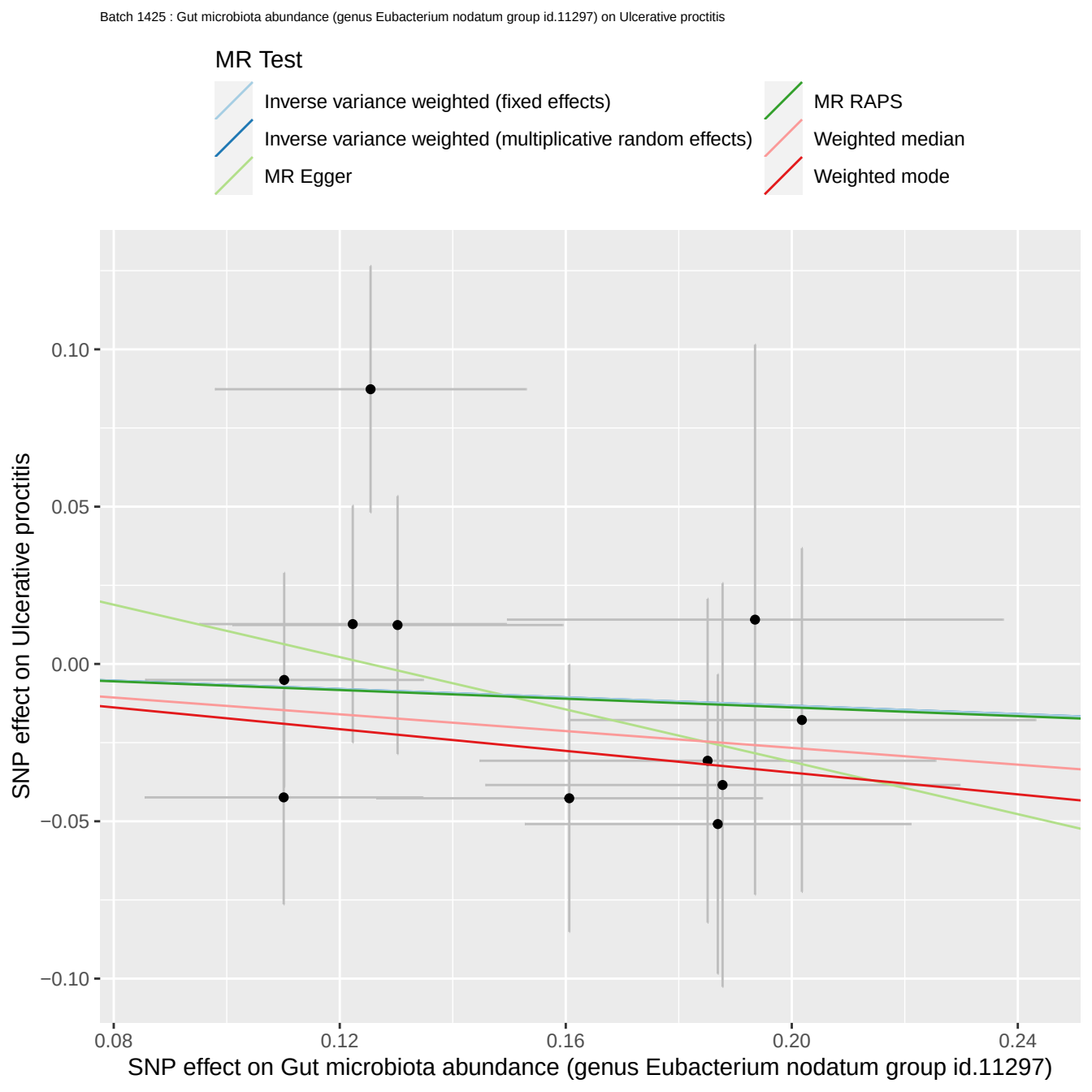

Batch 1420 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)

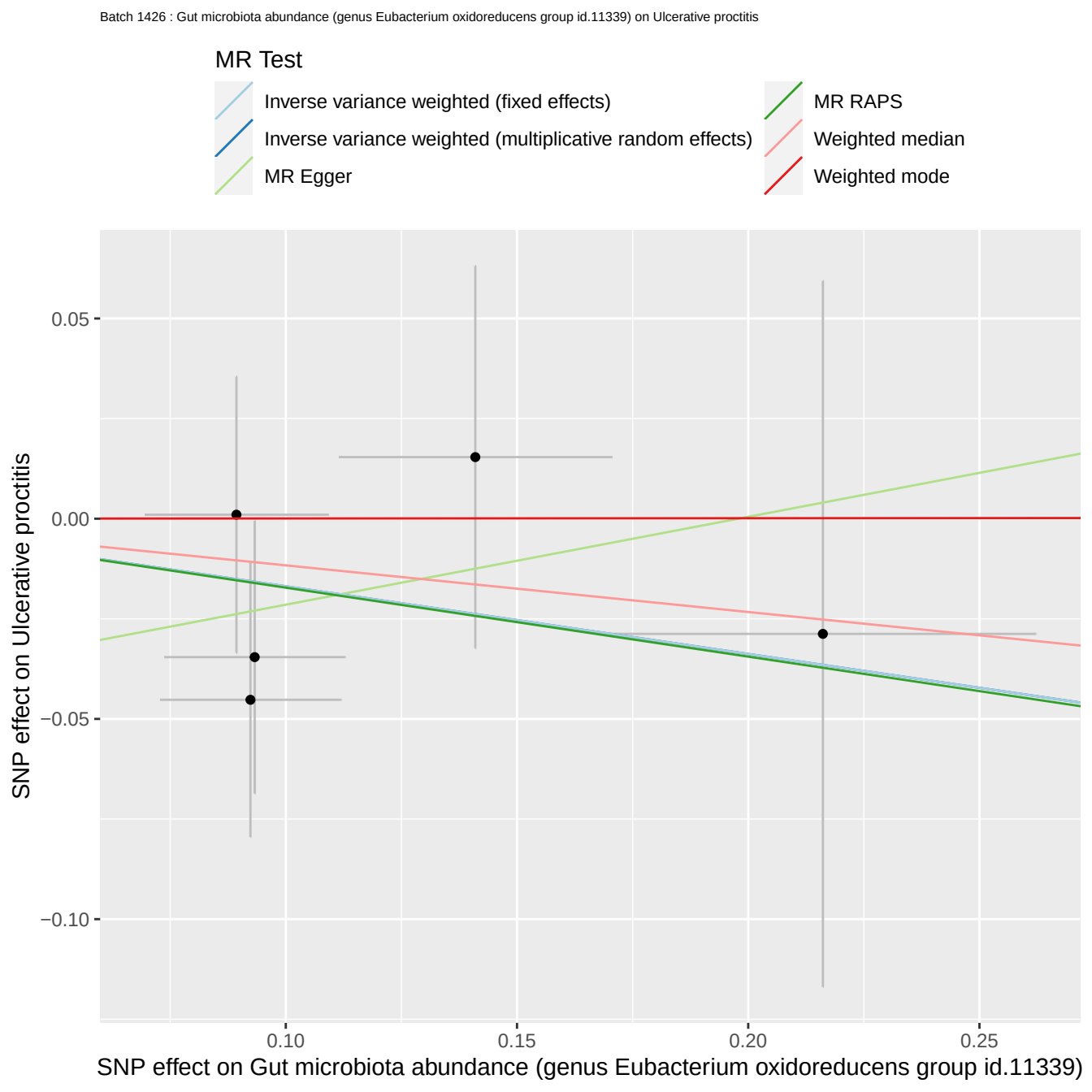

Batch 1421 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375)

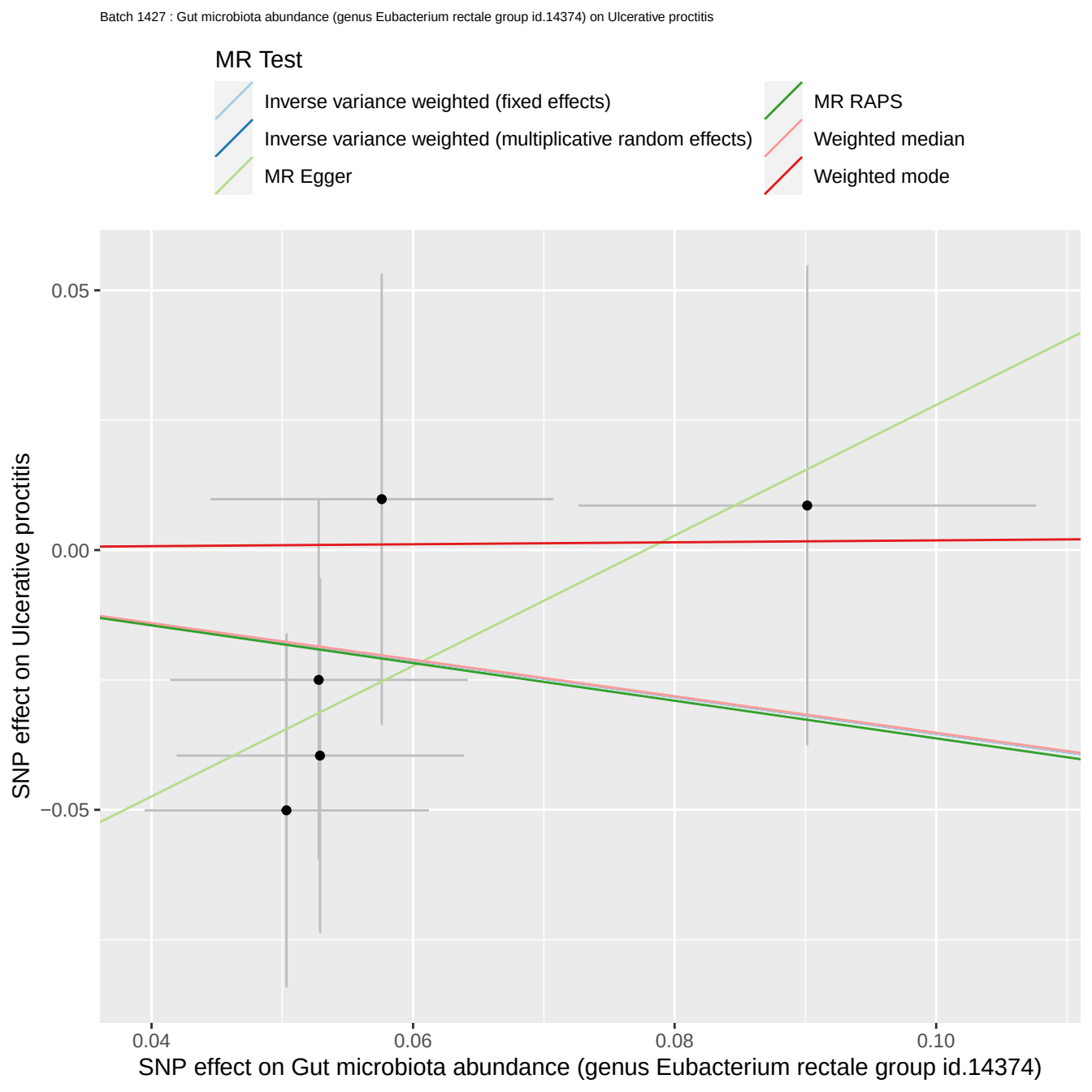

Batch 1422 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
−0.15
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

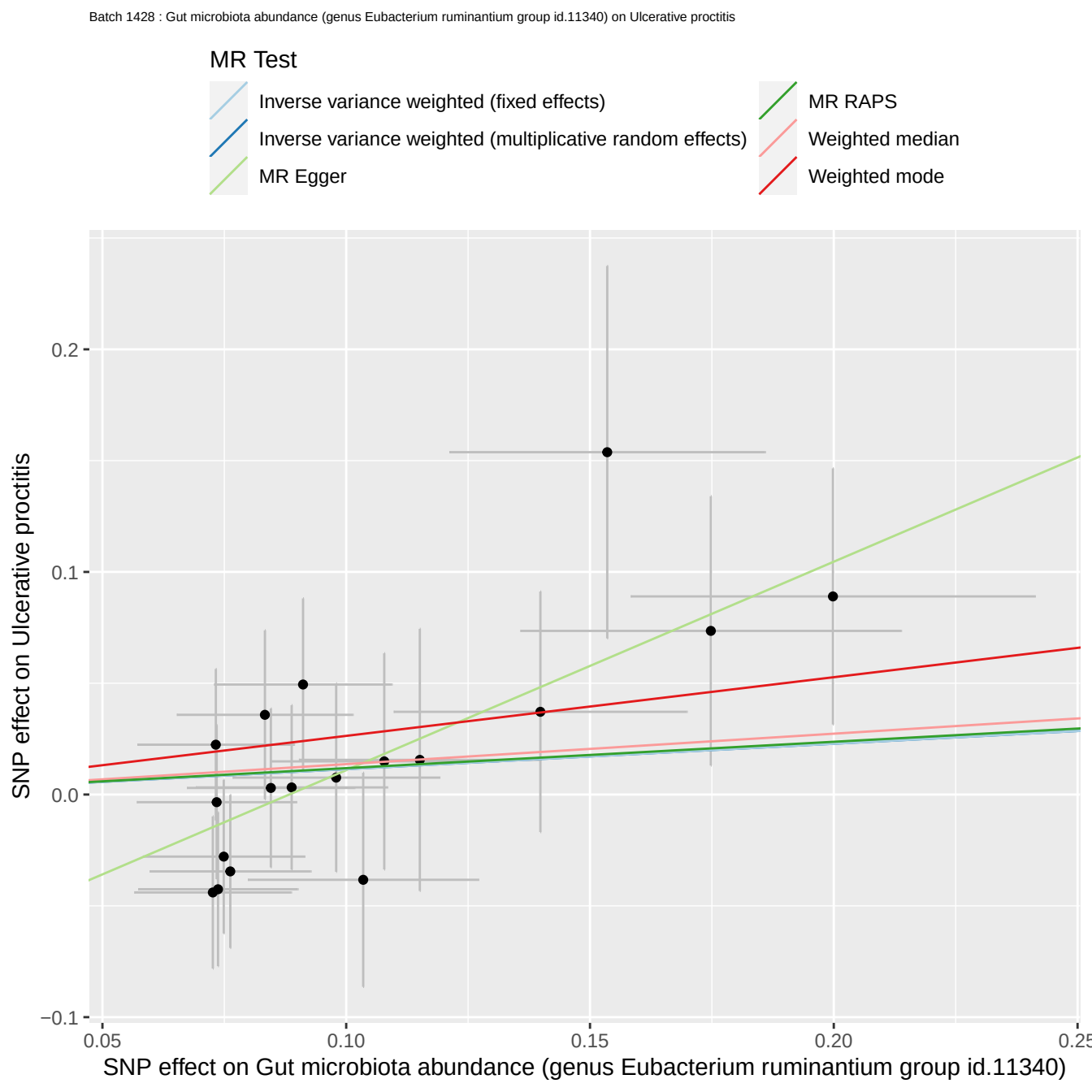

Batch 1423 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium fissicatena group id.14373)

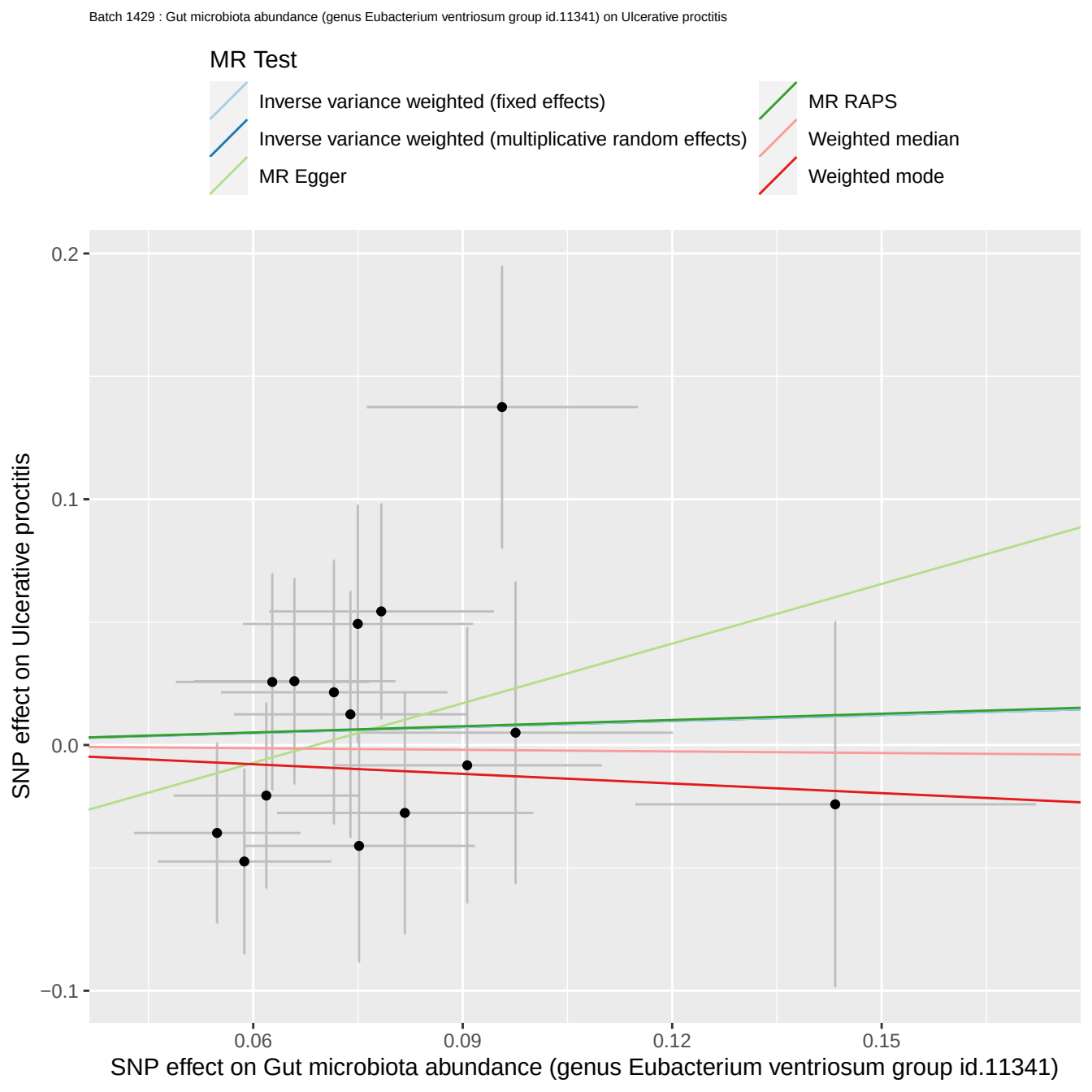

Batch 1424 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium hallii group id.11338)

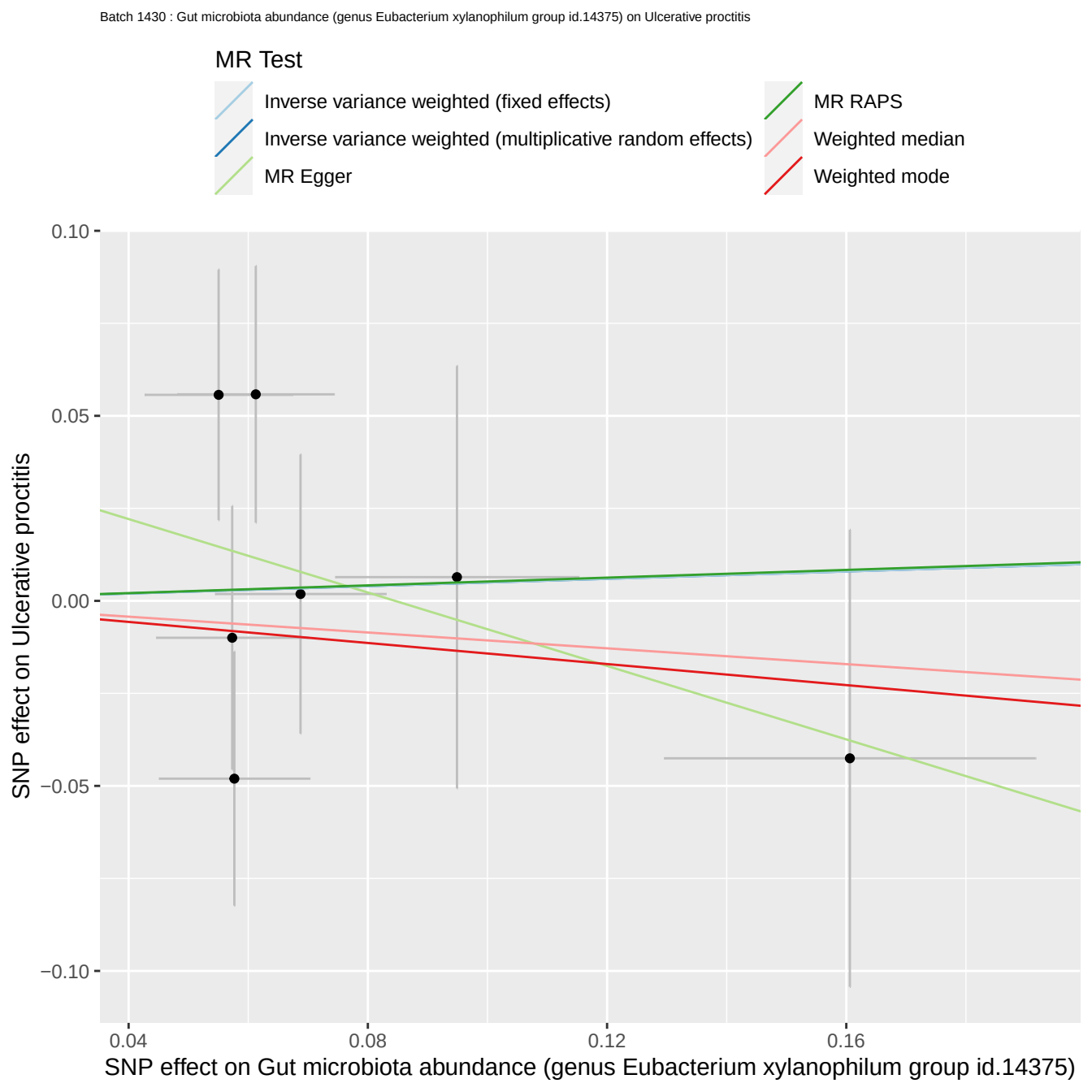

Batch 1425 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Eubacterium nodatum group id.11297)

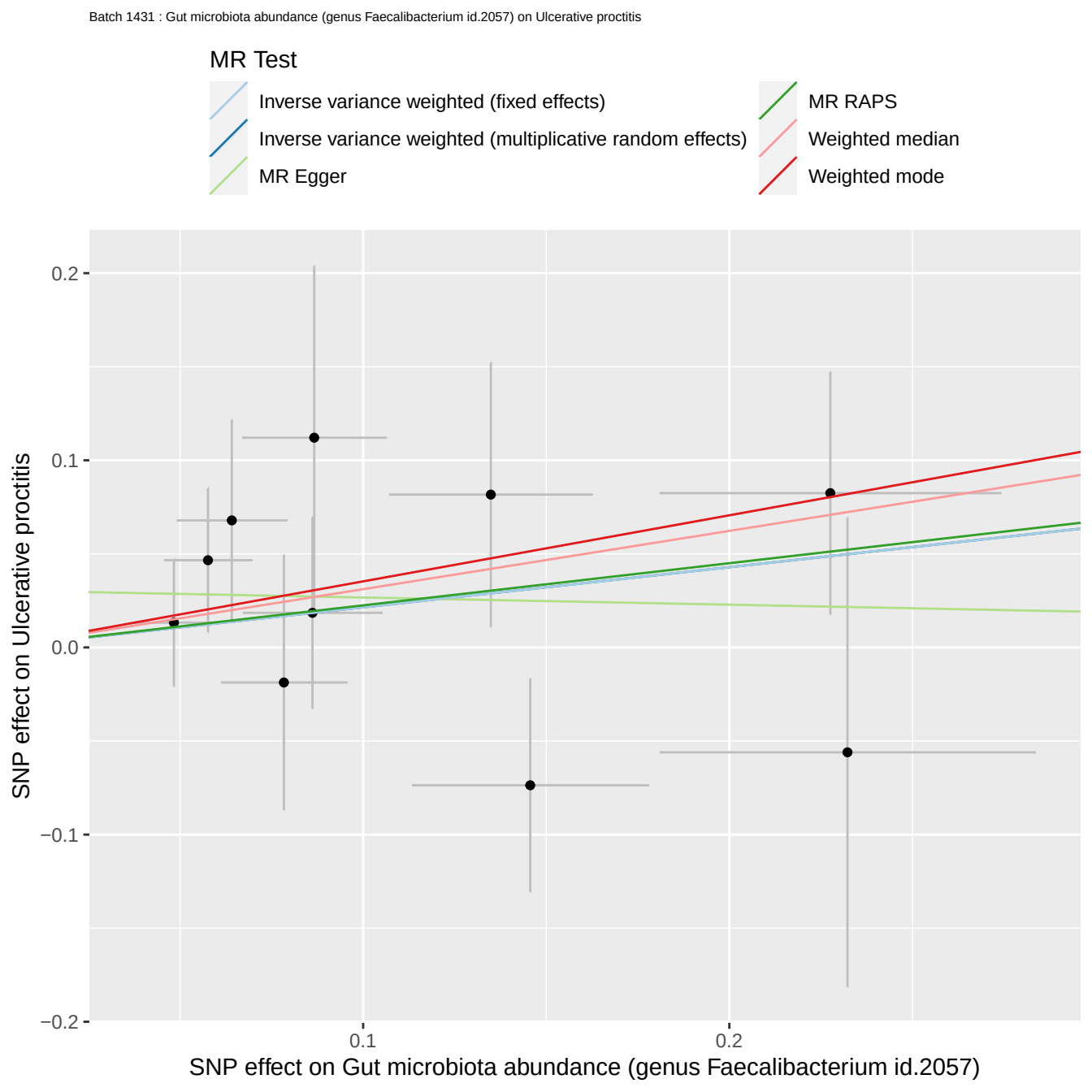

Batch 1426 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339)

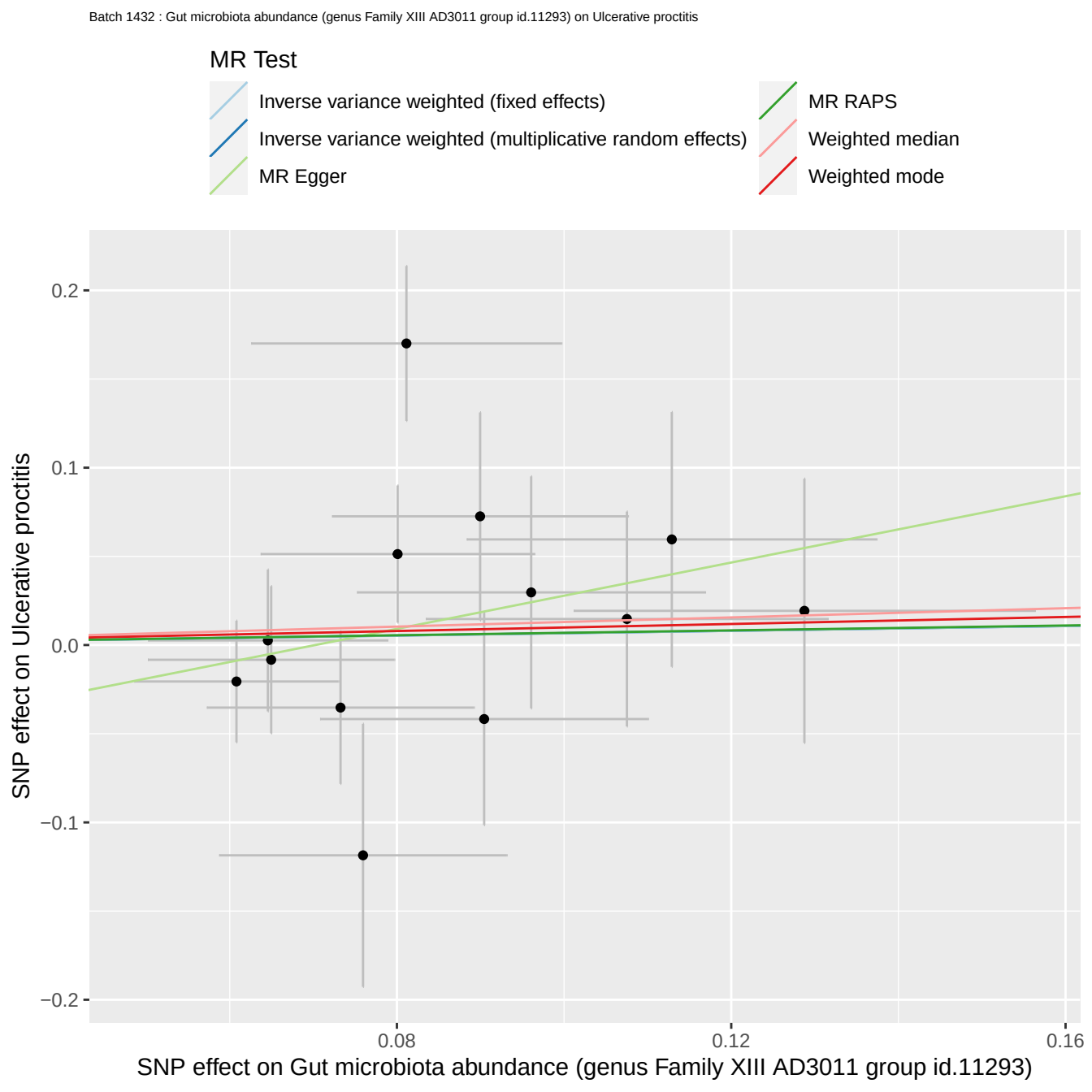

Batch 1427 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Ulcerative proctitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

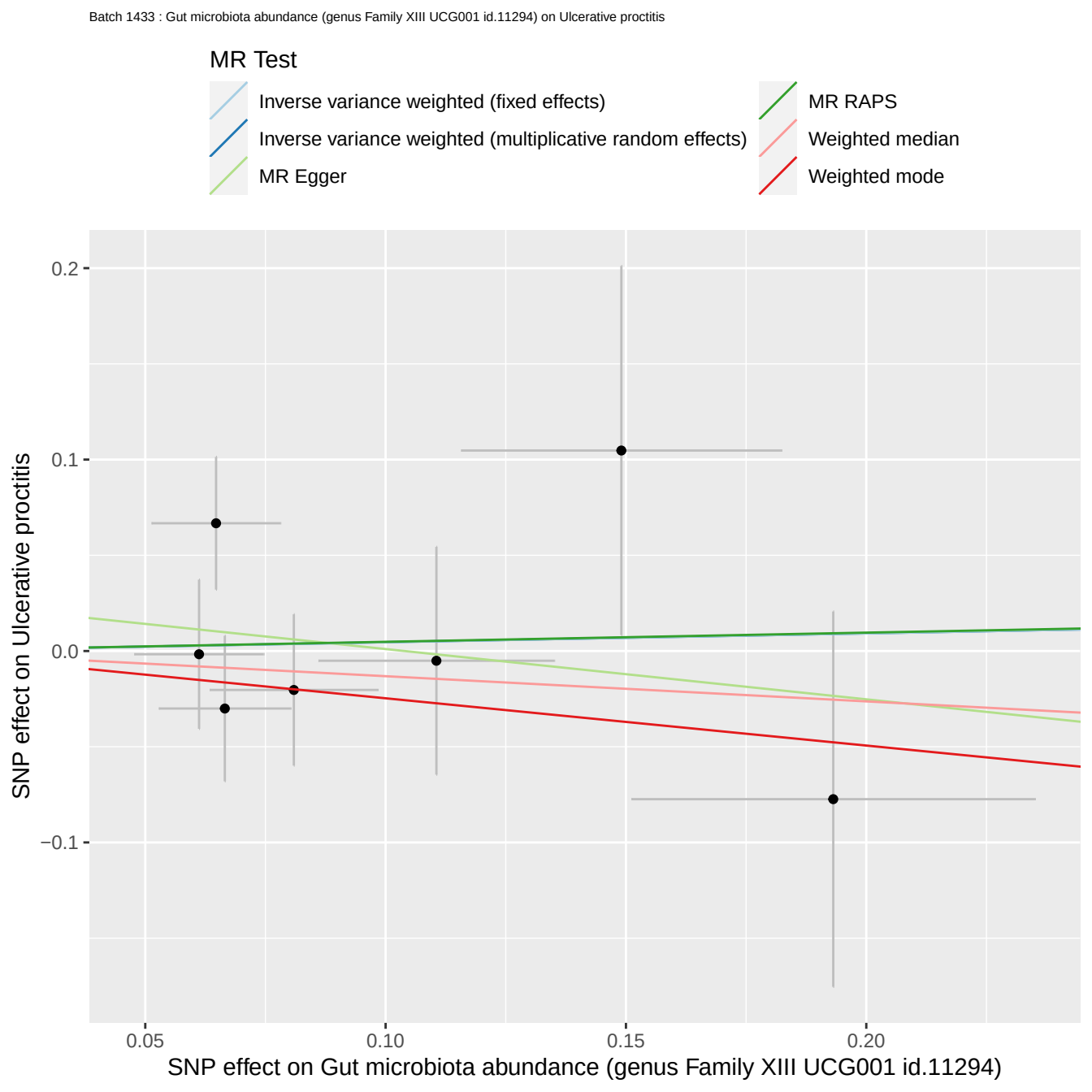

Batch 1428 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium ruminantium group id.11340)

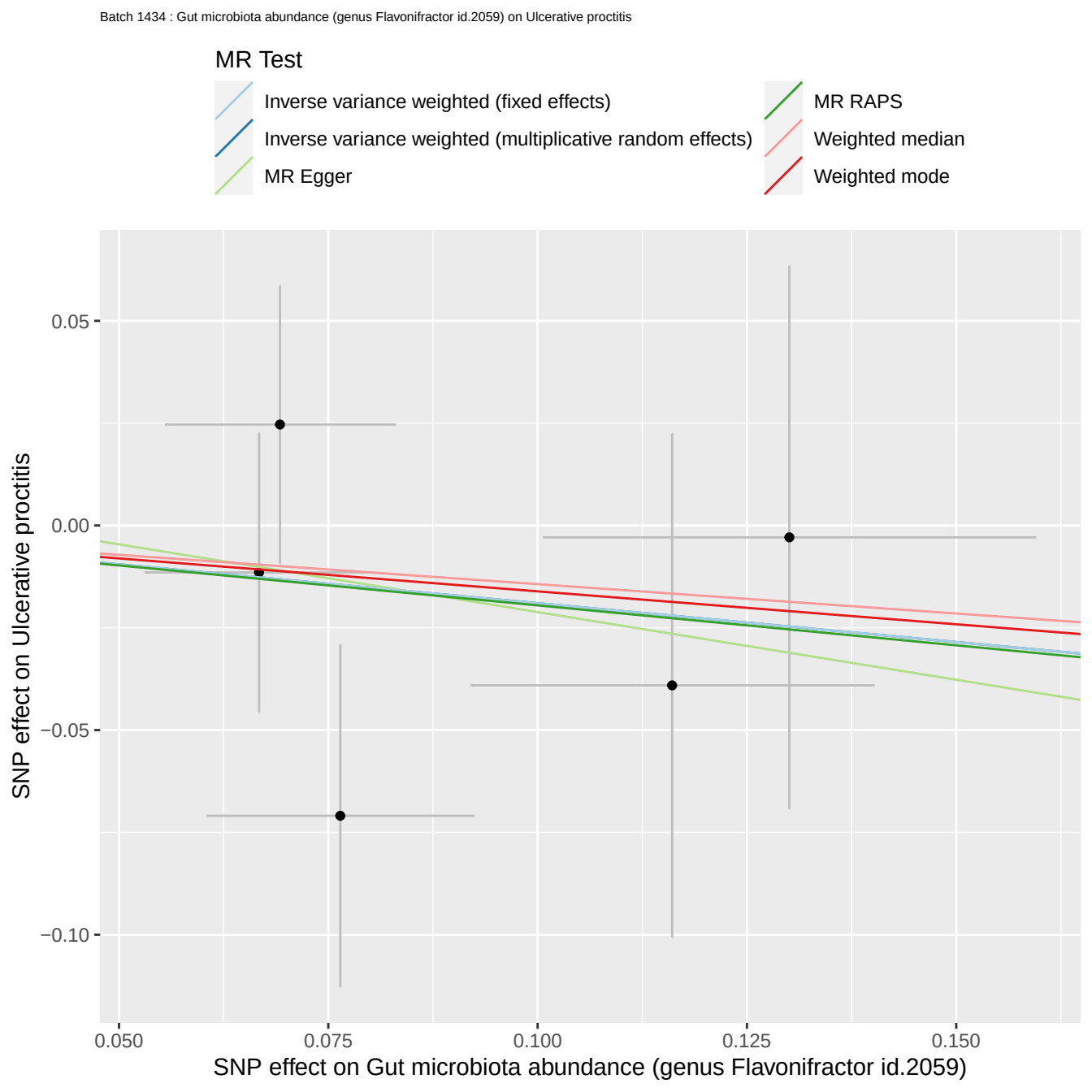

Batch 1429 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

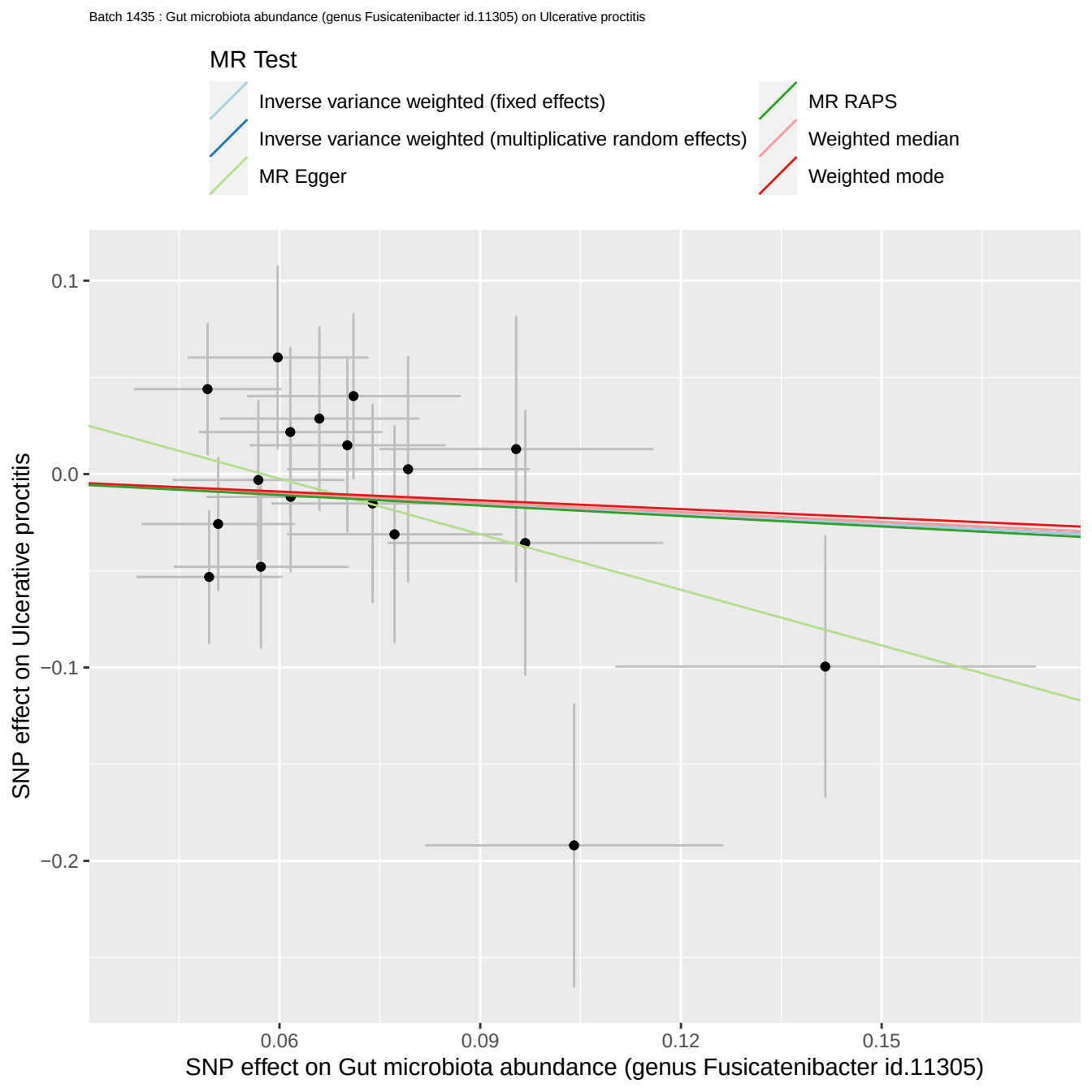

Batch 1430 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

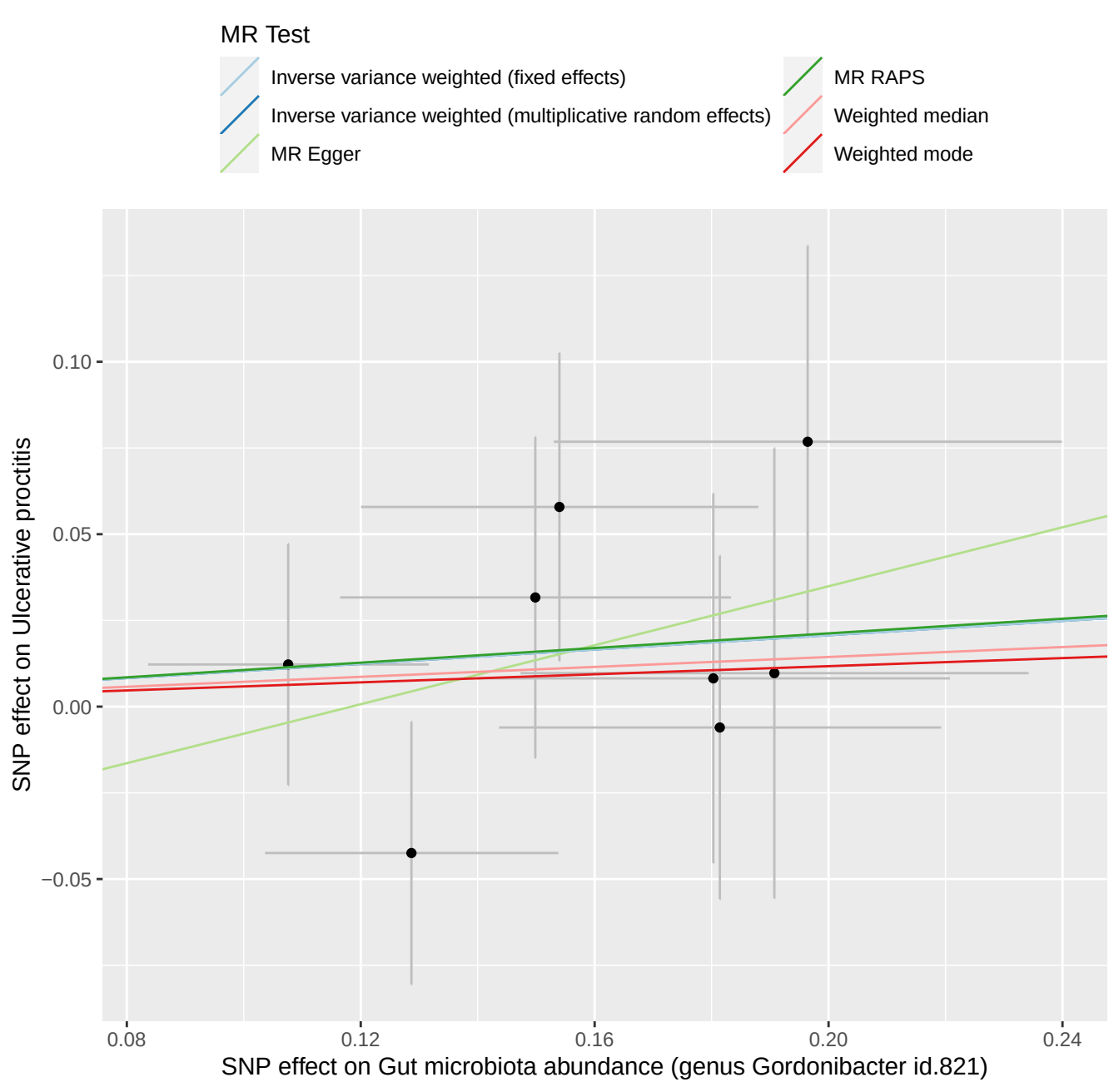

Batch 1431 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

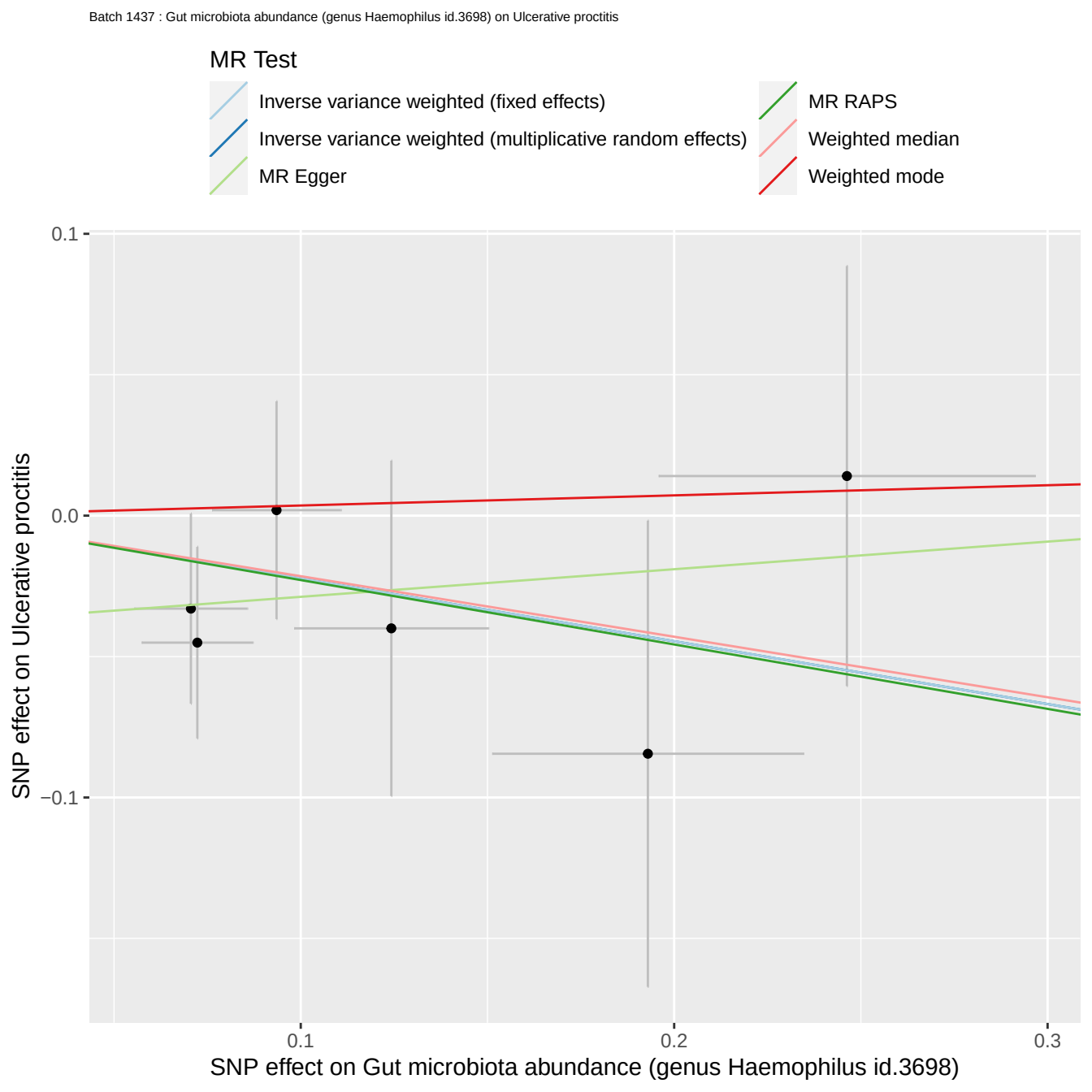

Batch 1432 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
−0.2
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Family XIII AD3011 group id.11293)

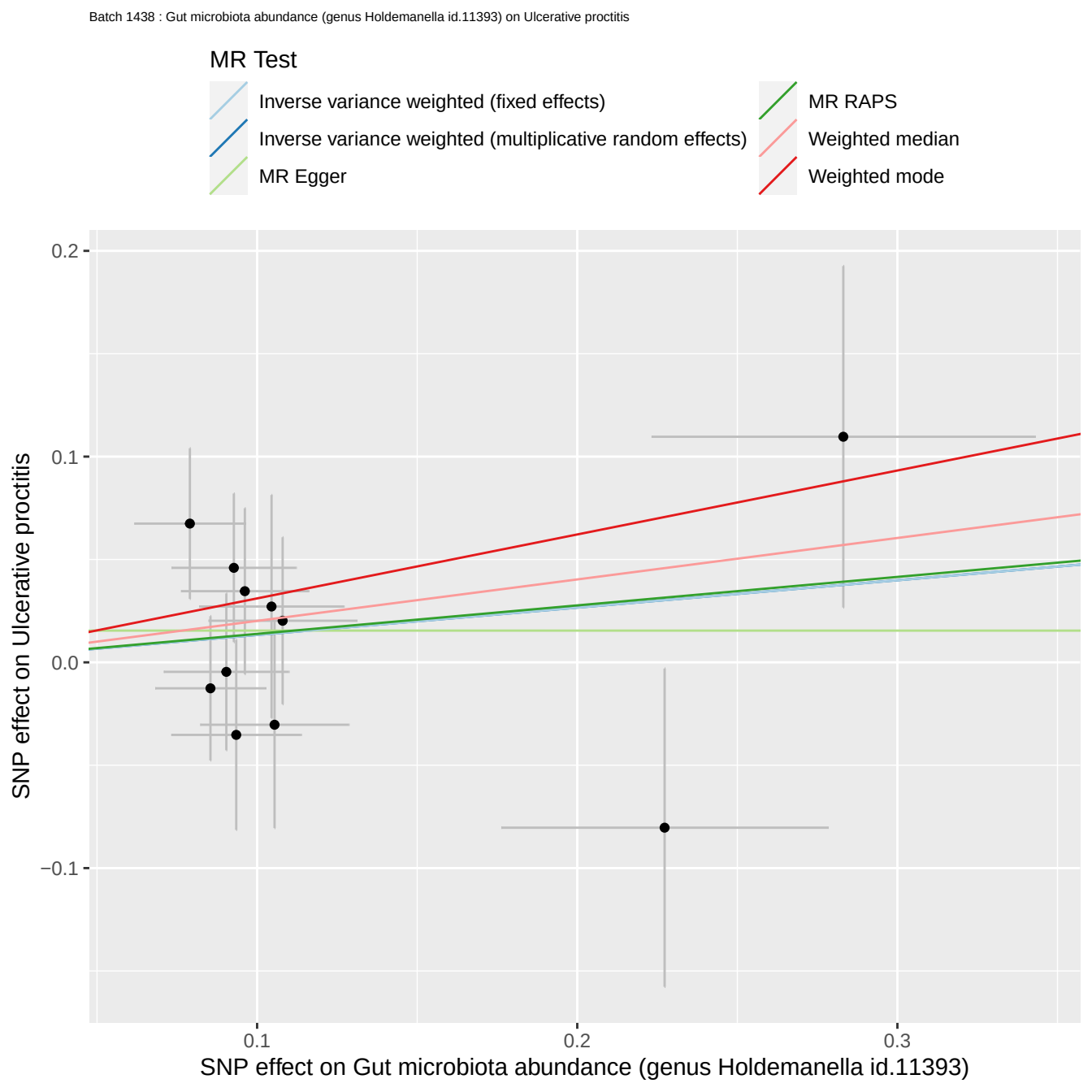

Batch 1433 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)

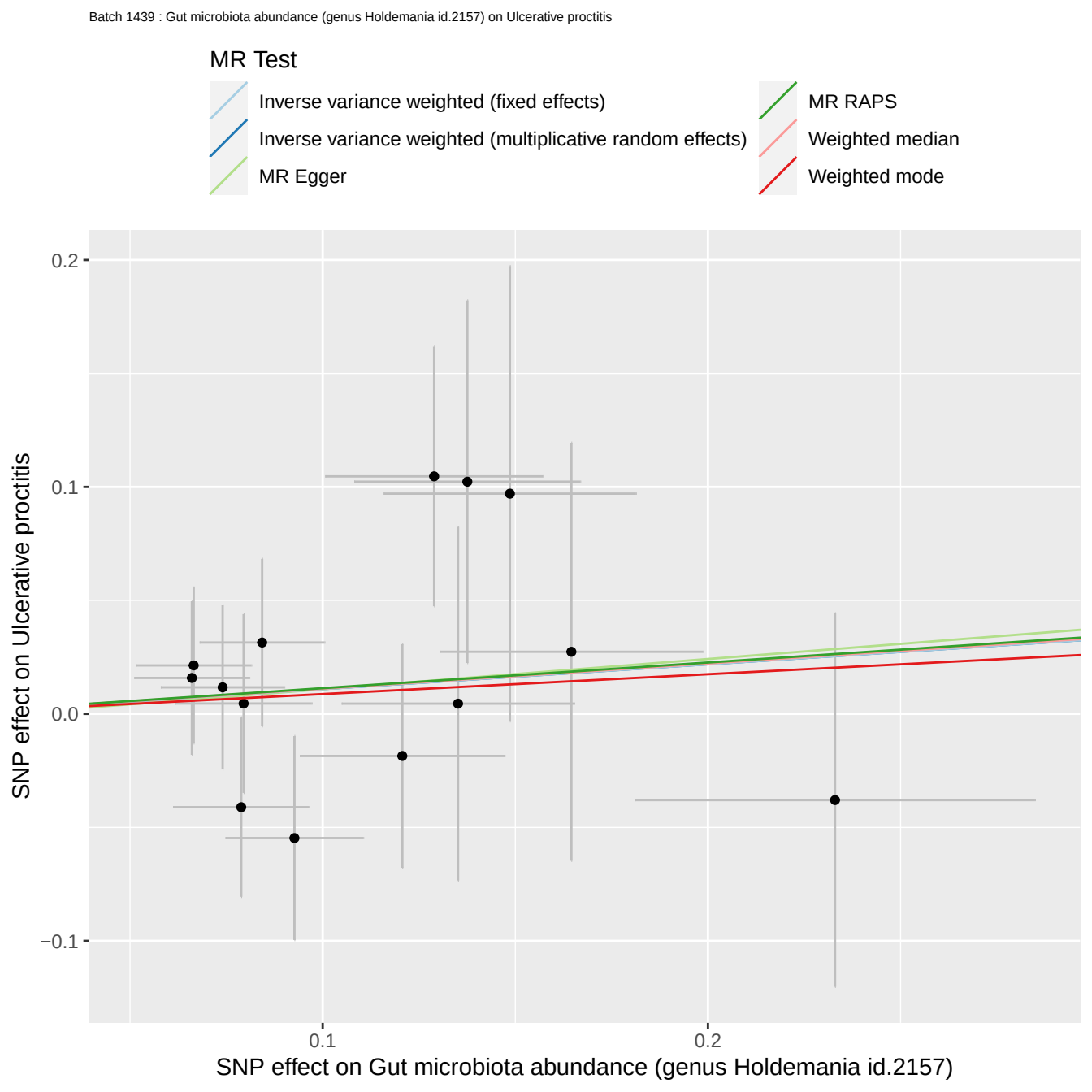

Batch 1434 : Gut microbiota abundance (genus Flavonifractor id.2059) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

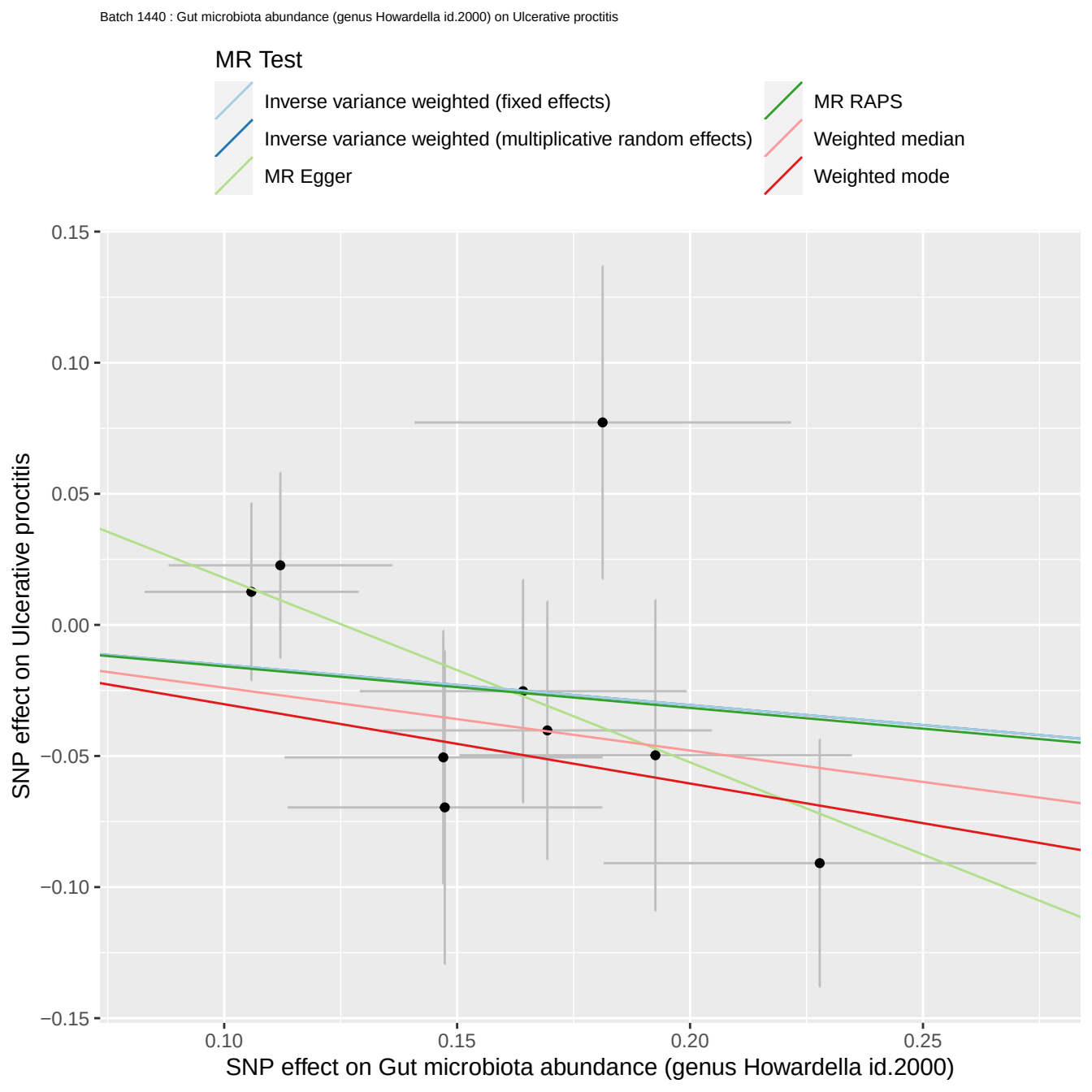

Batch 1435 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

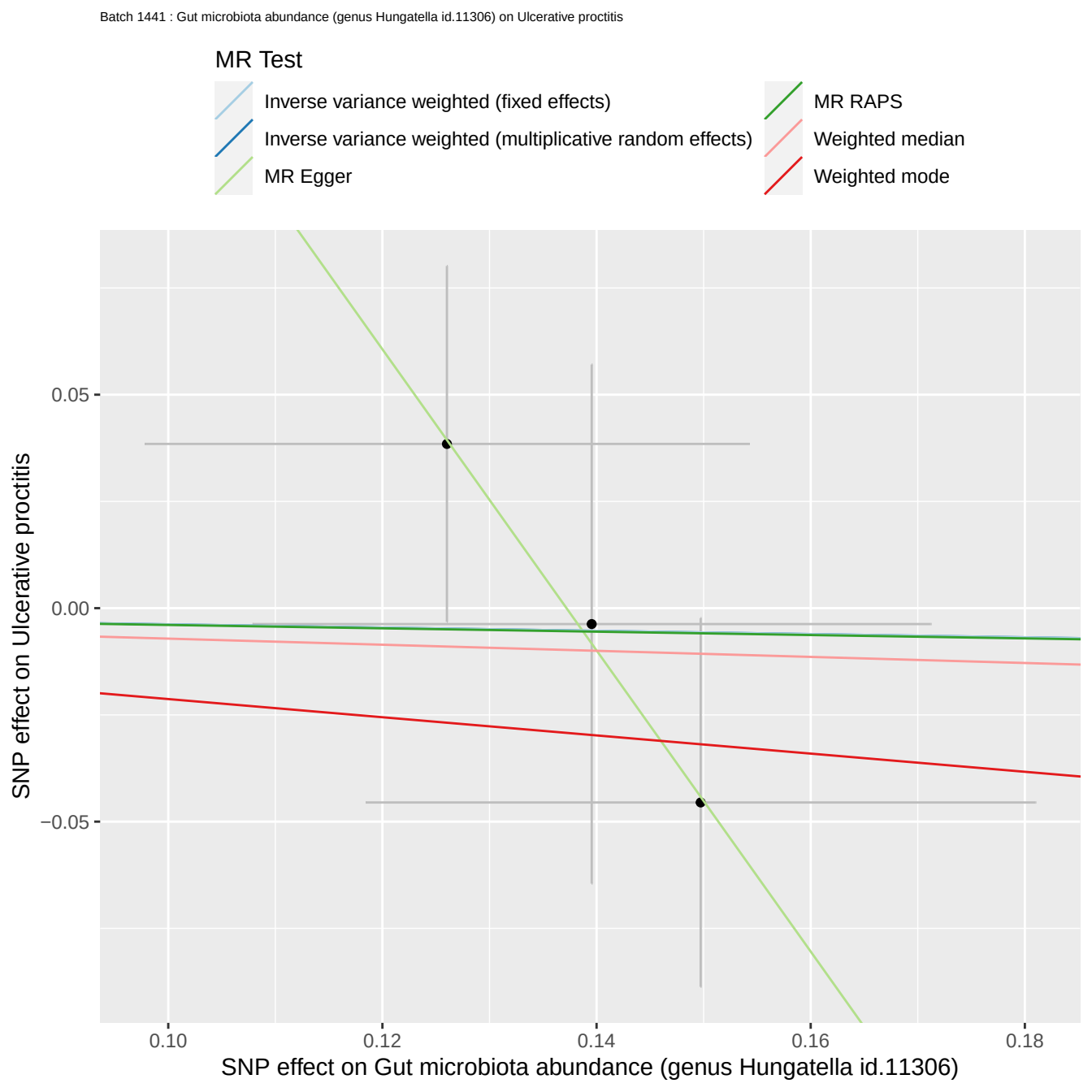

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

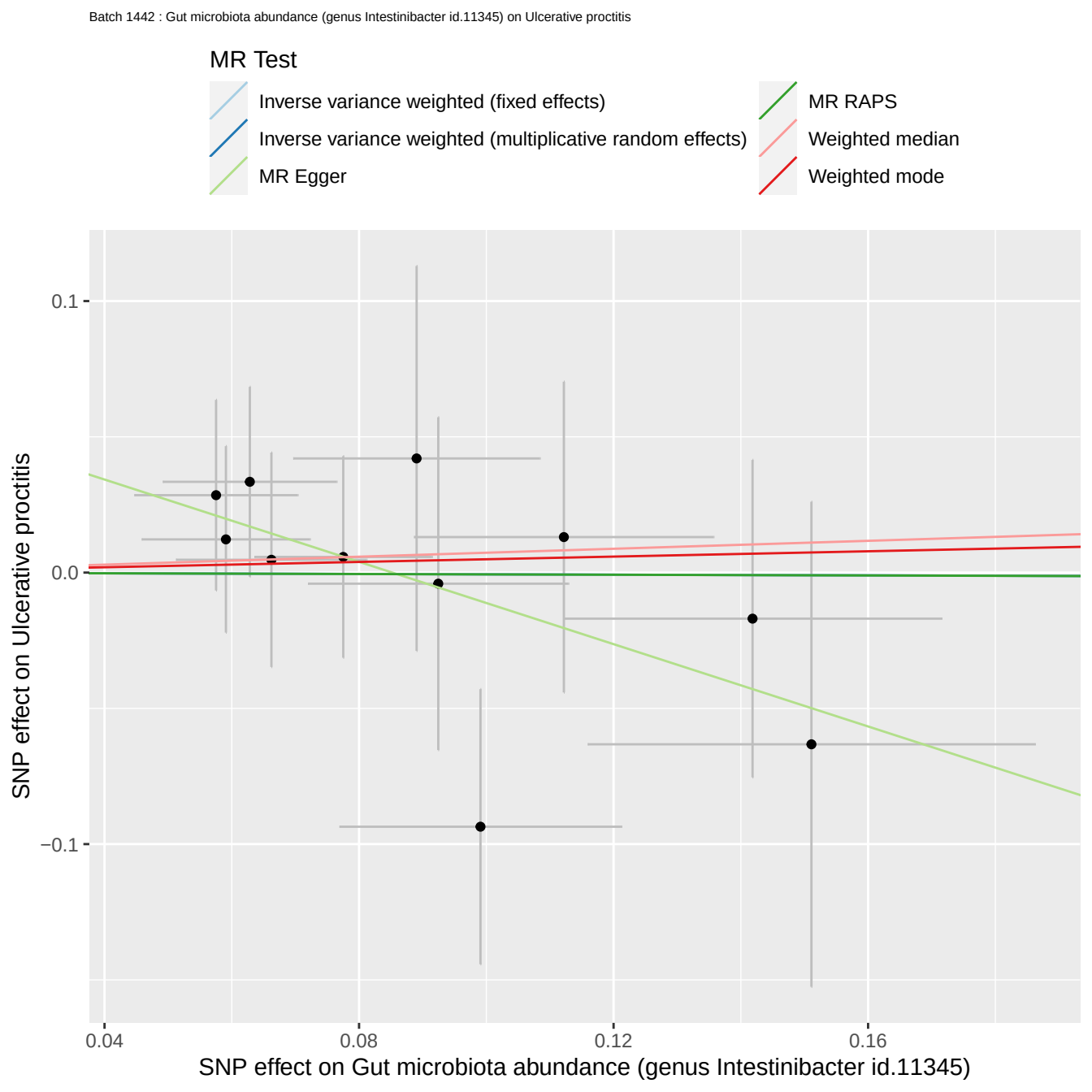

Batch 1437 : Gut microbiota abundance (genus Haemophilus id.3698) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)

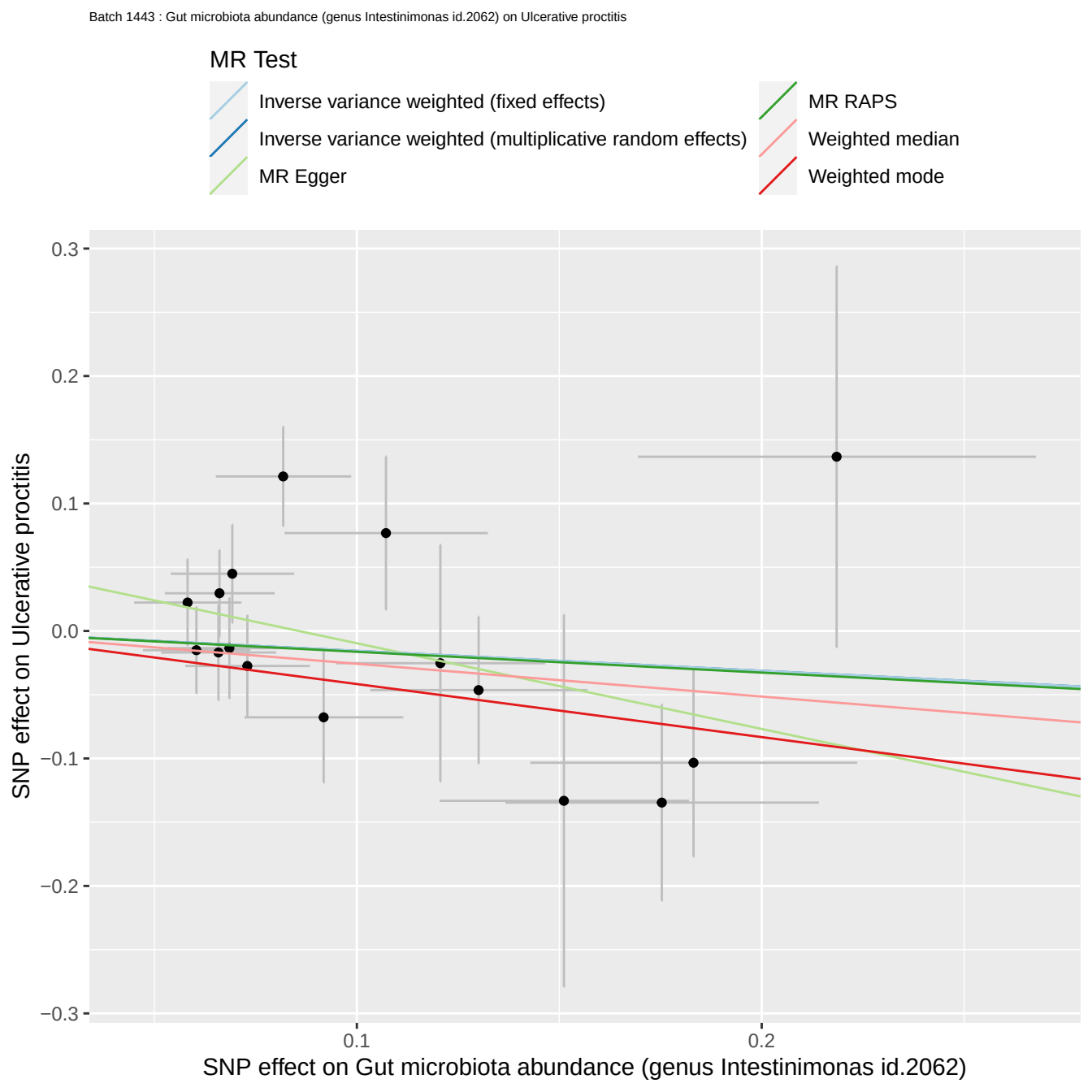

Batch 1438 : Gut microbiota abundance (genus Holdemanella id.11393) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Holdemanella id.11393)


Batch 1439 : Gut microbiota abundance (genus Holdemania id.2157) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Holdemania id.2157)

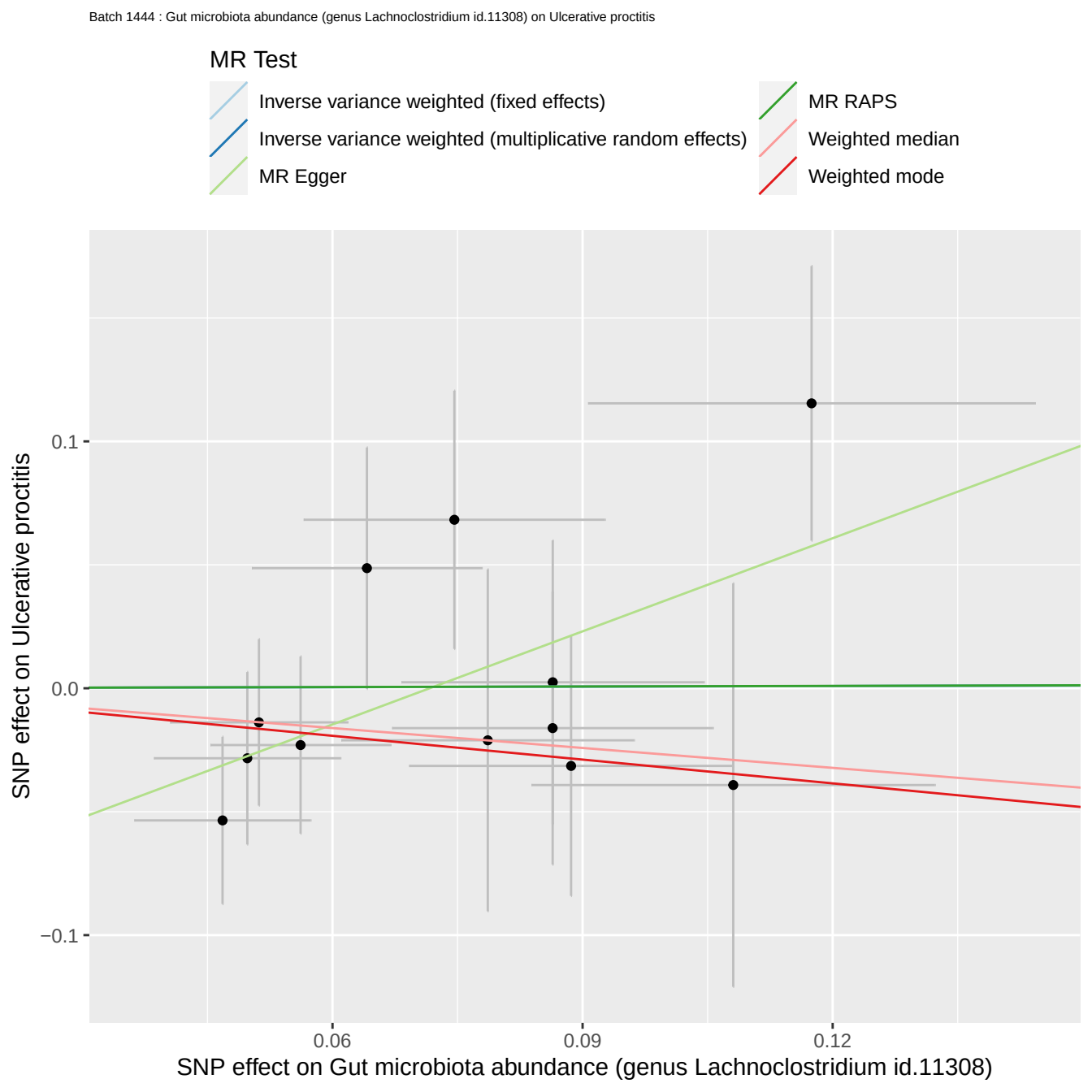

Batch 1440 : Gut microbiota abundance (genus Howardella id.2000) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

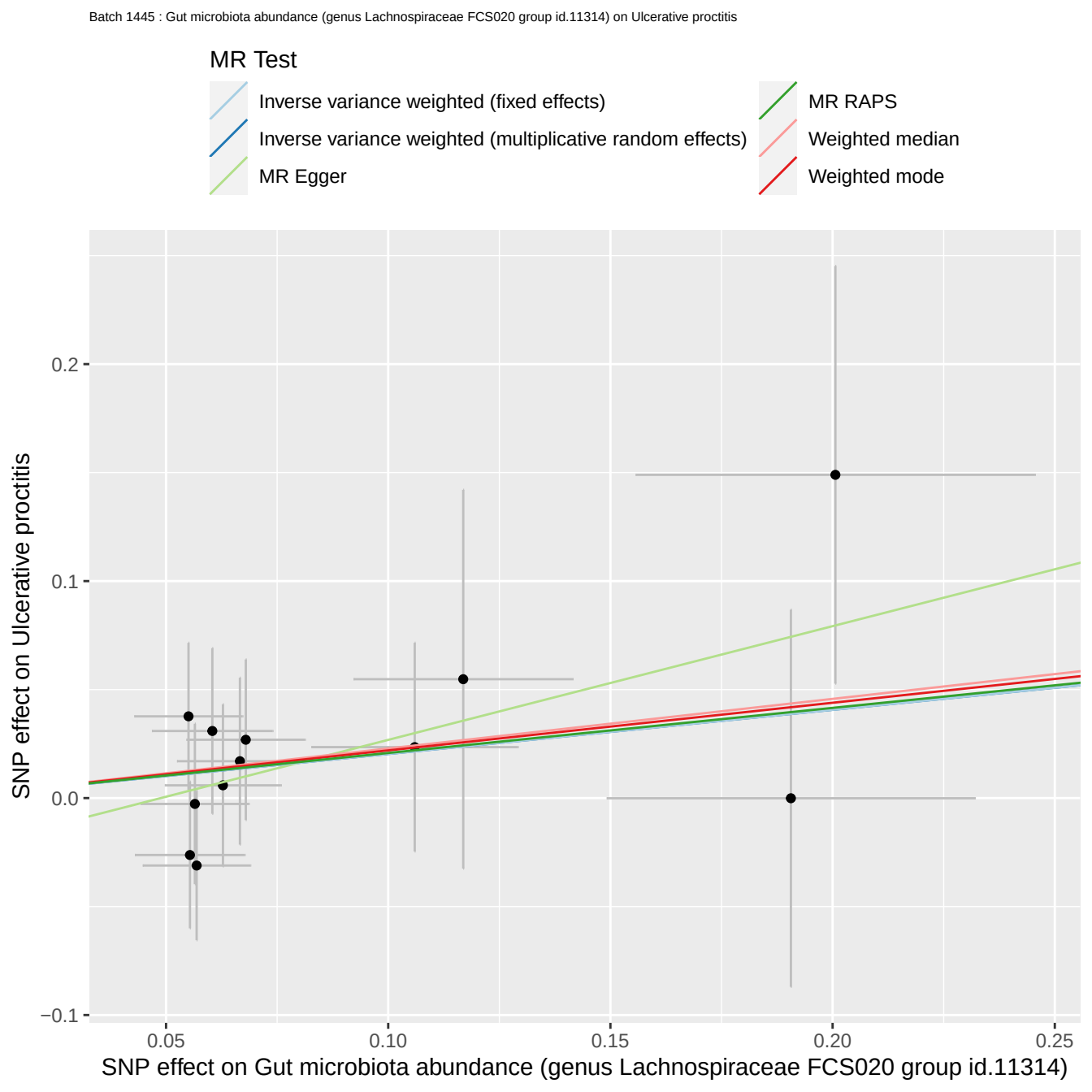

Batch 1441 : Gut microbiota abundance (genus Hungatella id.11306) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)

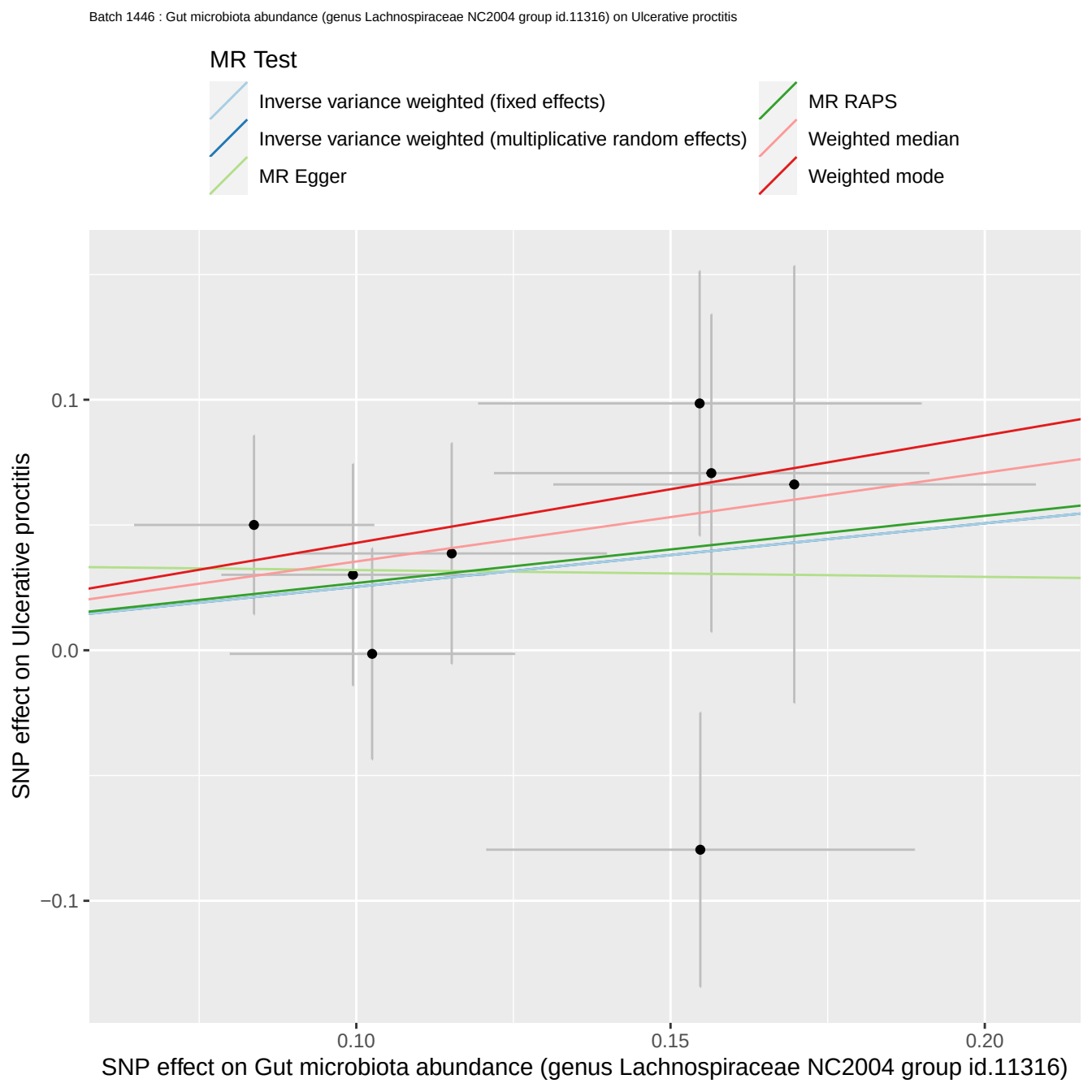

Batch 1442 : Gut microbiota abundance (genus Intestinibacter id.11345) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Intestinibacter id.11345)

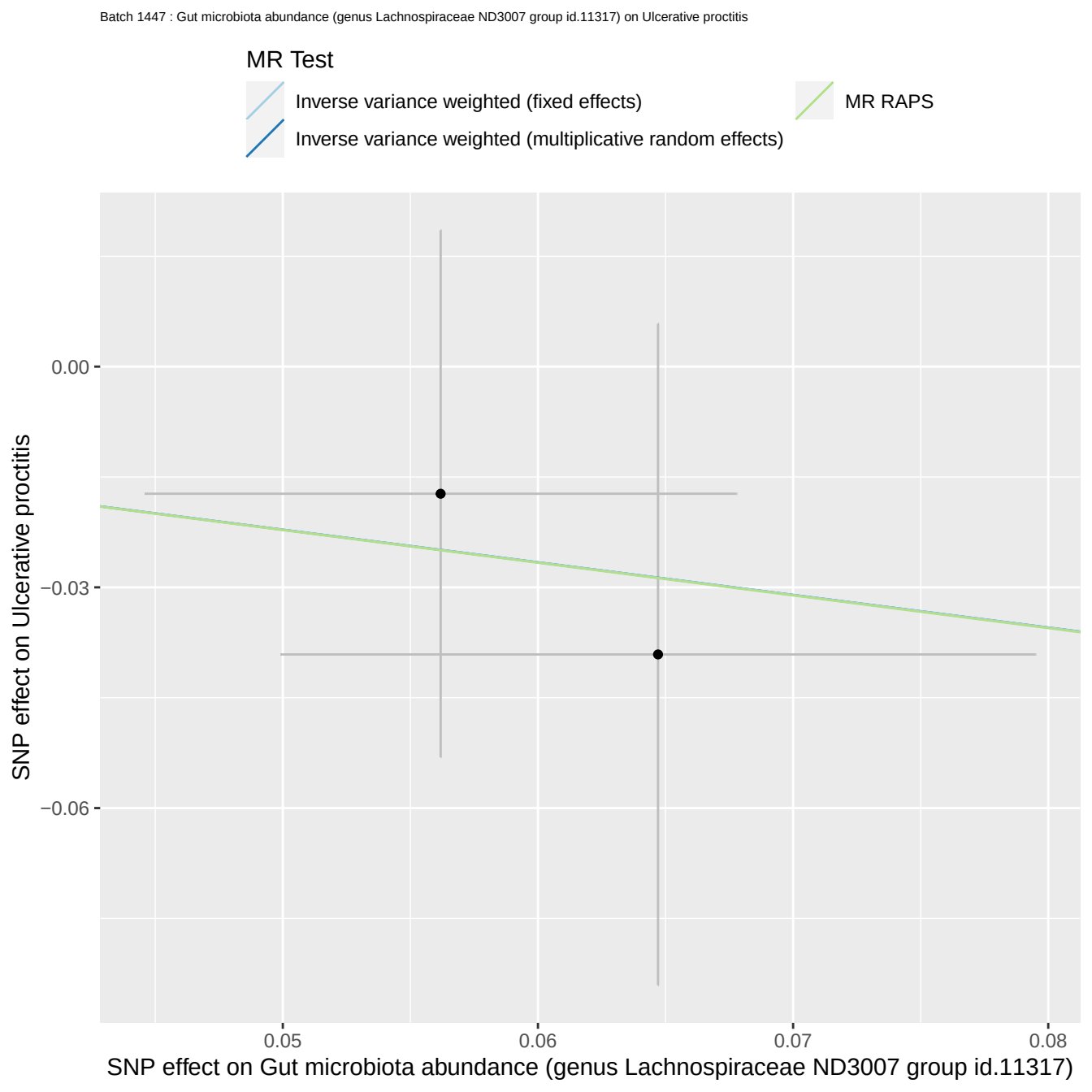

Batch 1443 : Gut microbiota abundance (genus Intestinimonas id.2062) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

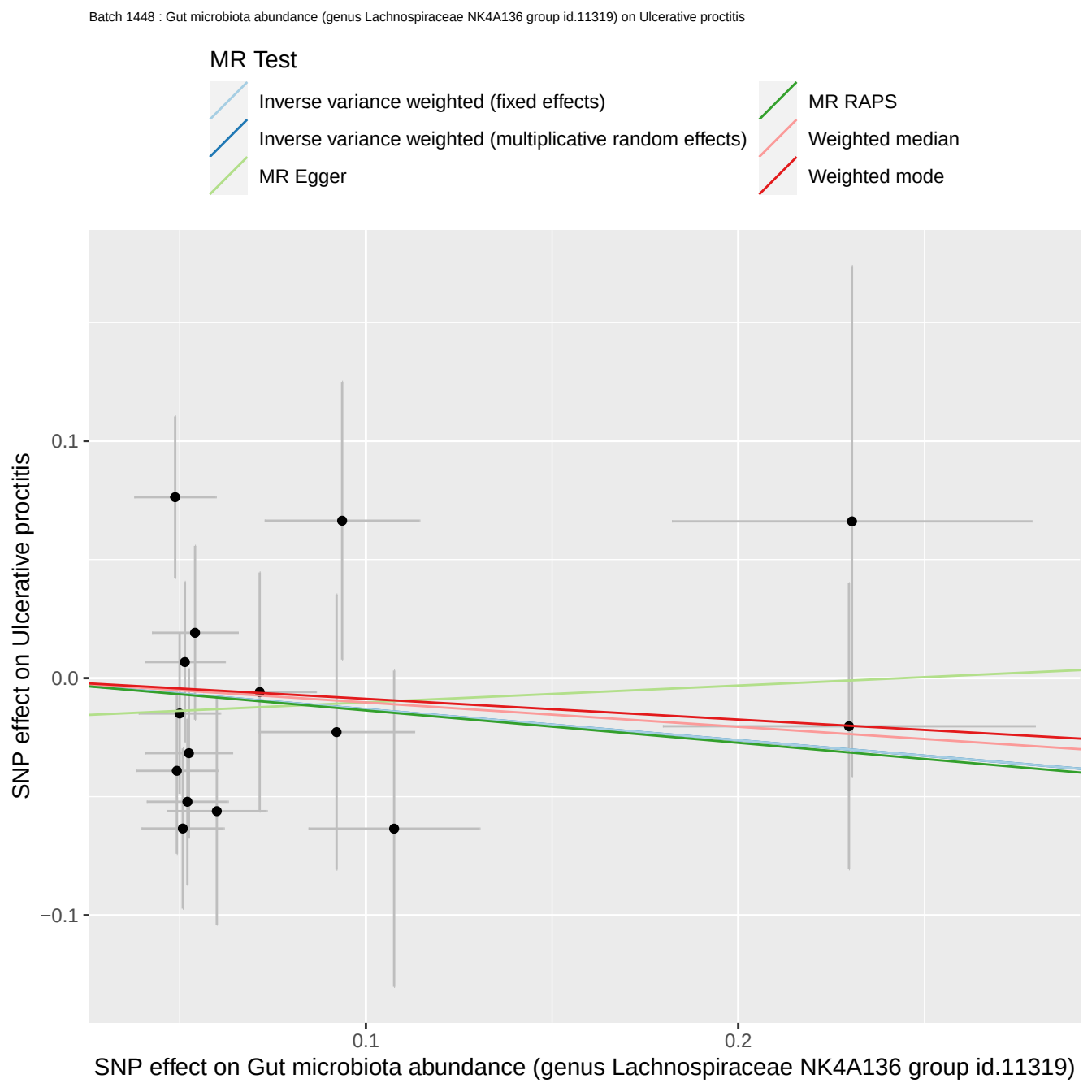
Batch 1444 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Ulcerative proctitis



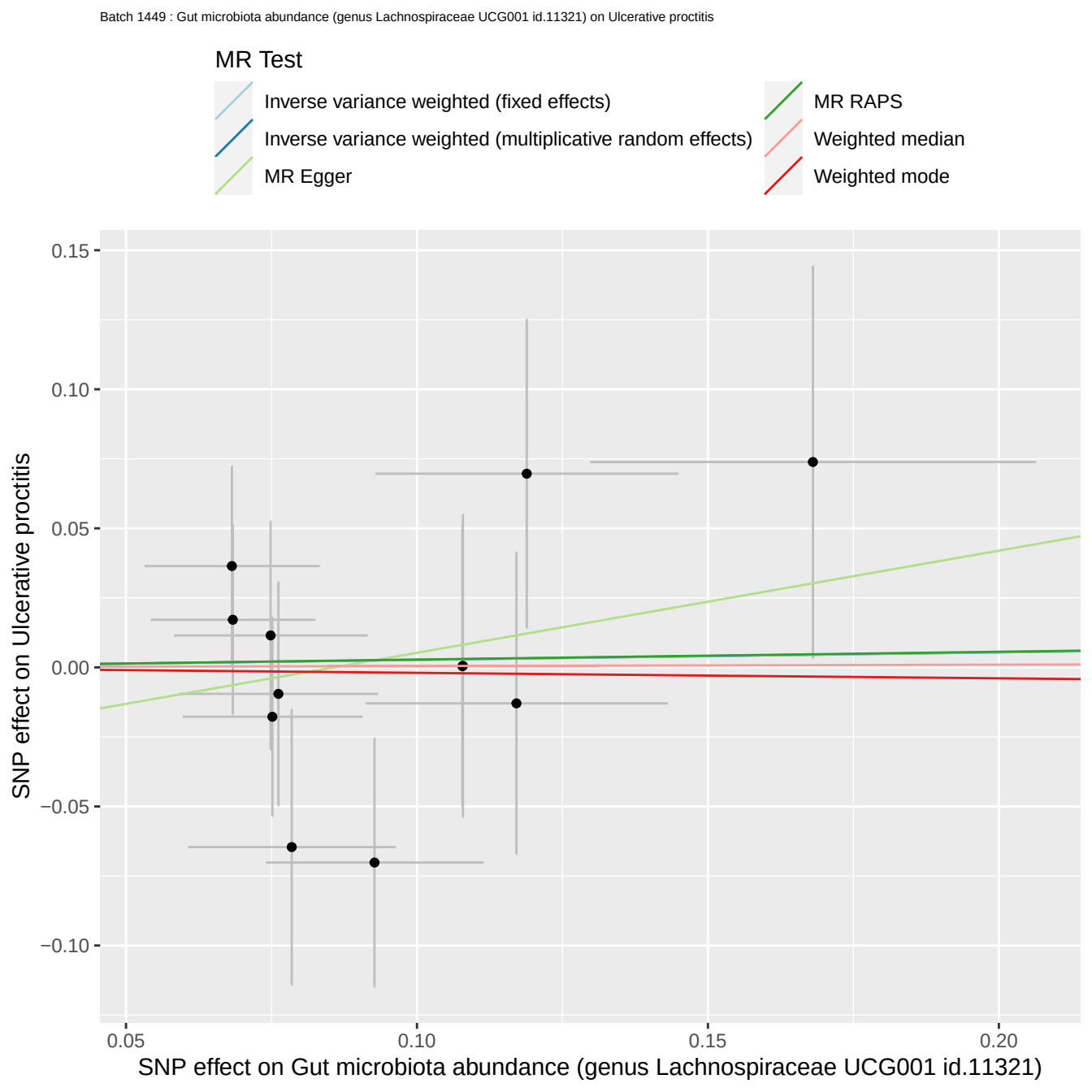

Batch 1445 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

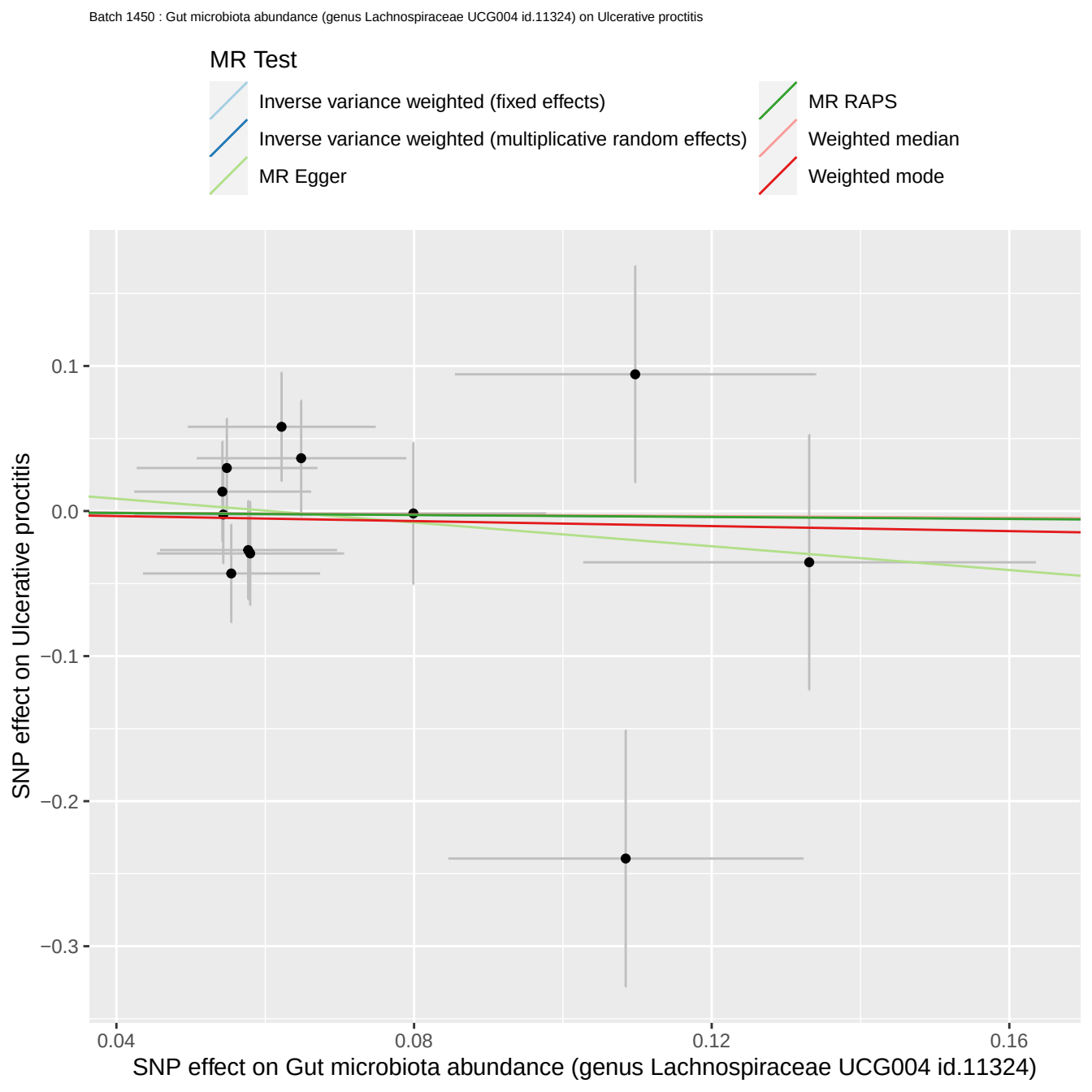

Batch 1446 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316)

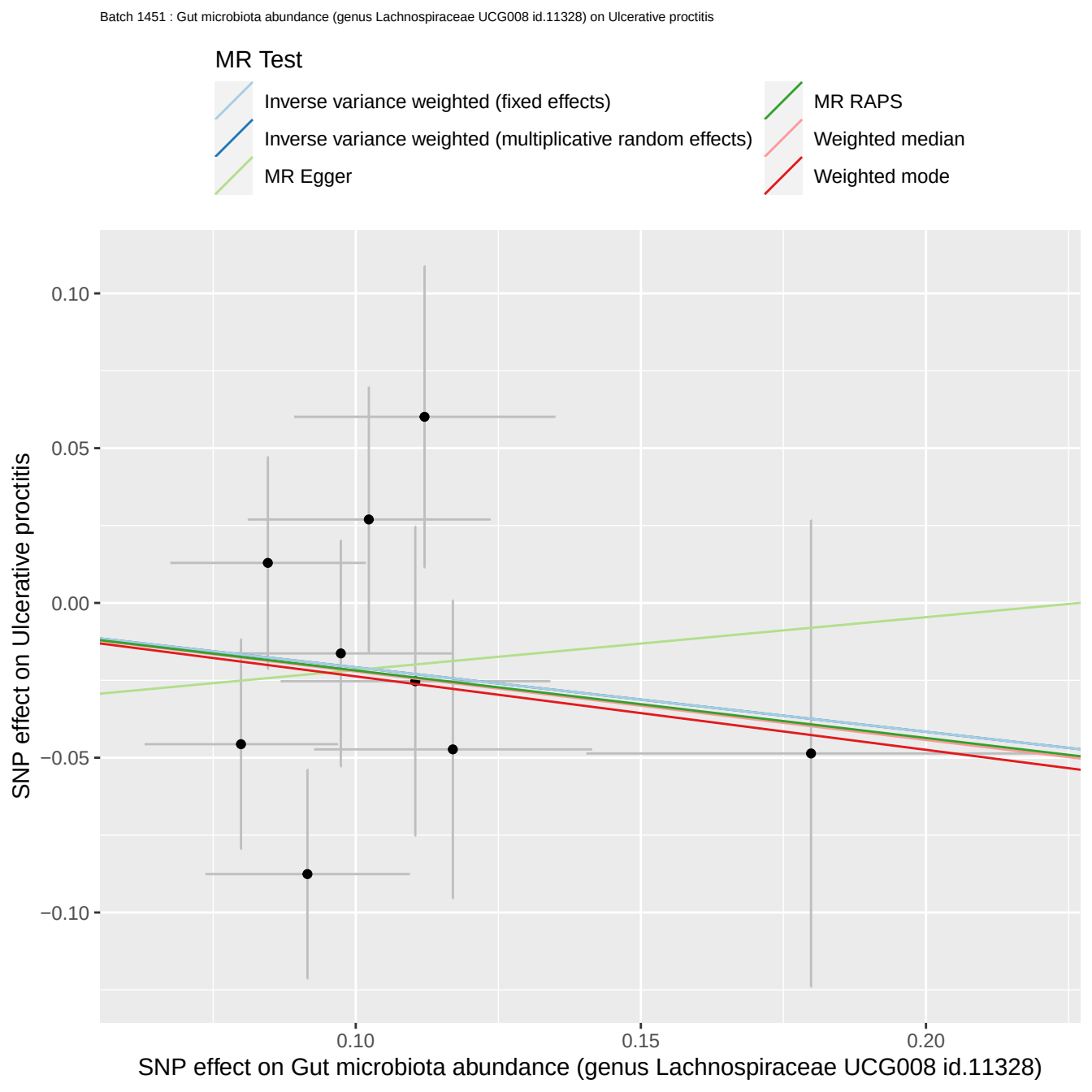

Batch 1447 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
SNP effect on Ulcerative proctitis
0.00
−0.03
−0.06
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)

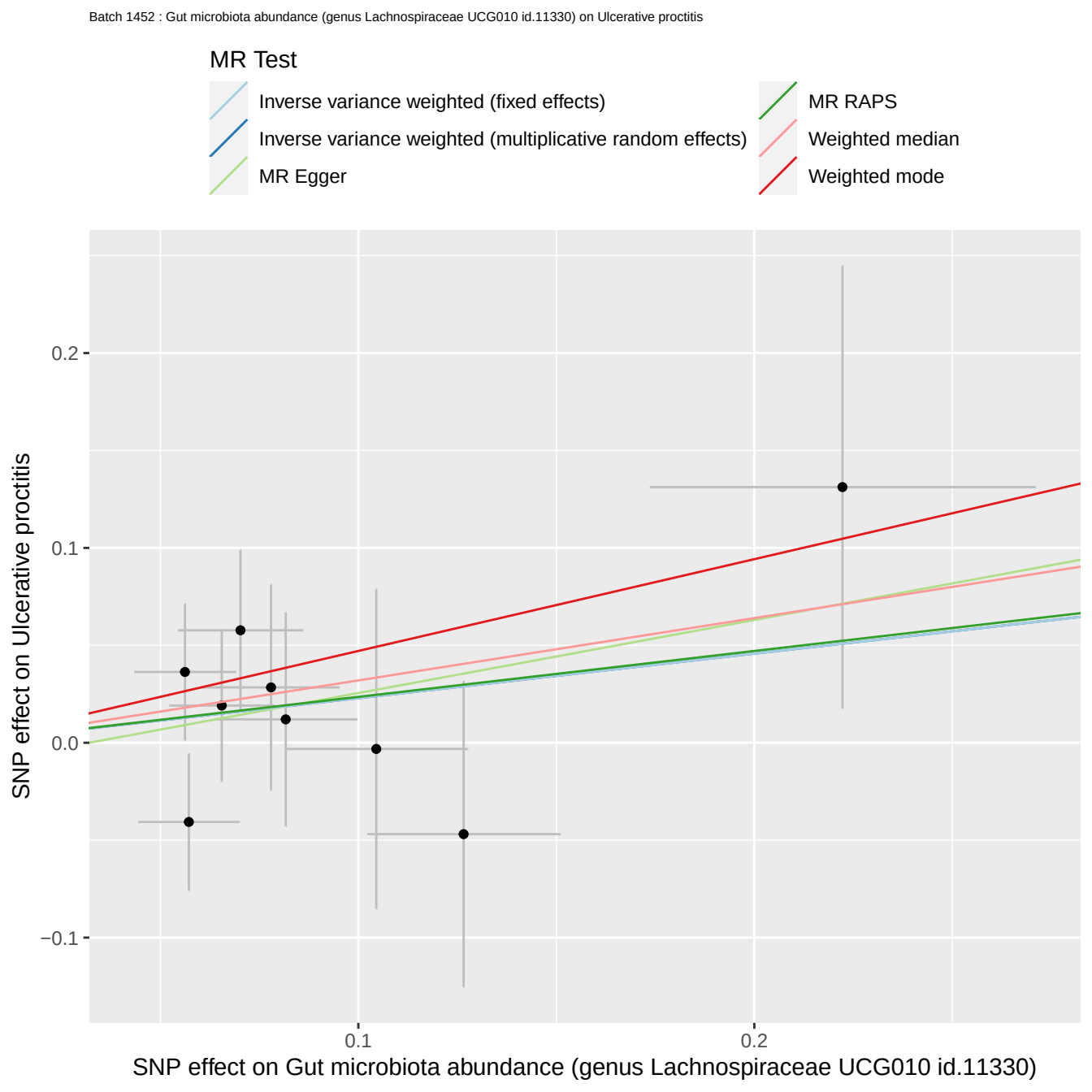

Batch 1448 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319)

Batch 1449 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Ulcerative proctitis

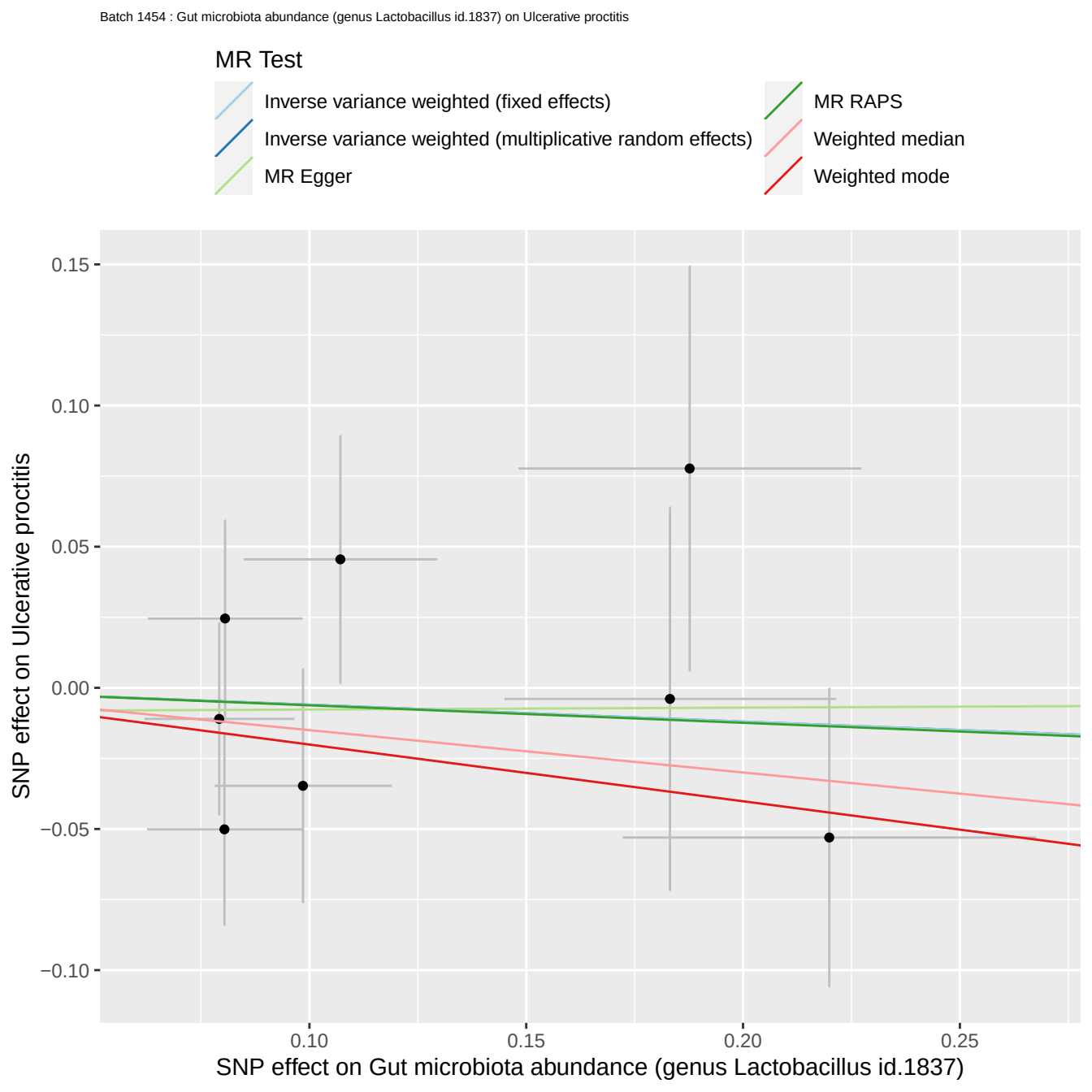


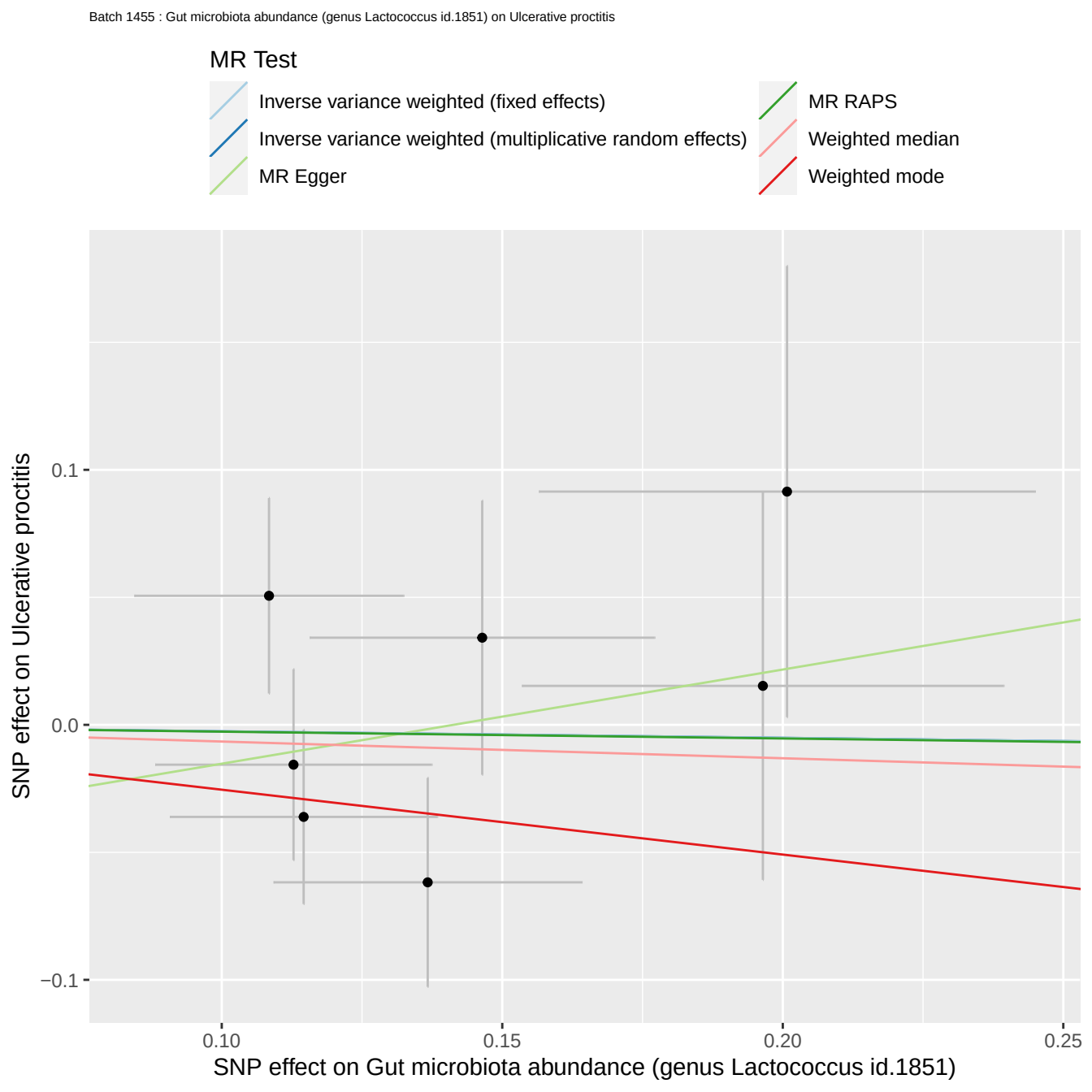

Batch 1450 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
−0.3
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

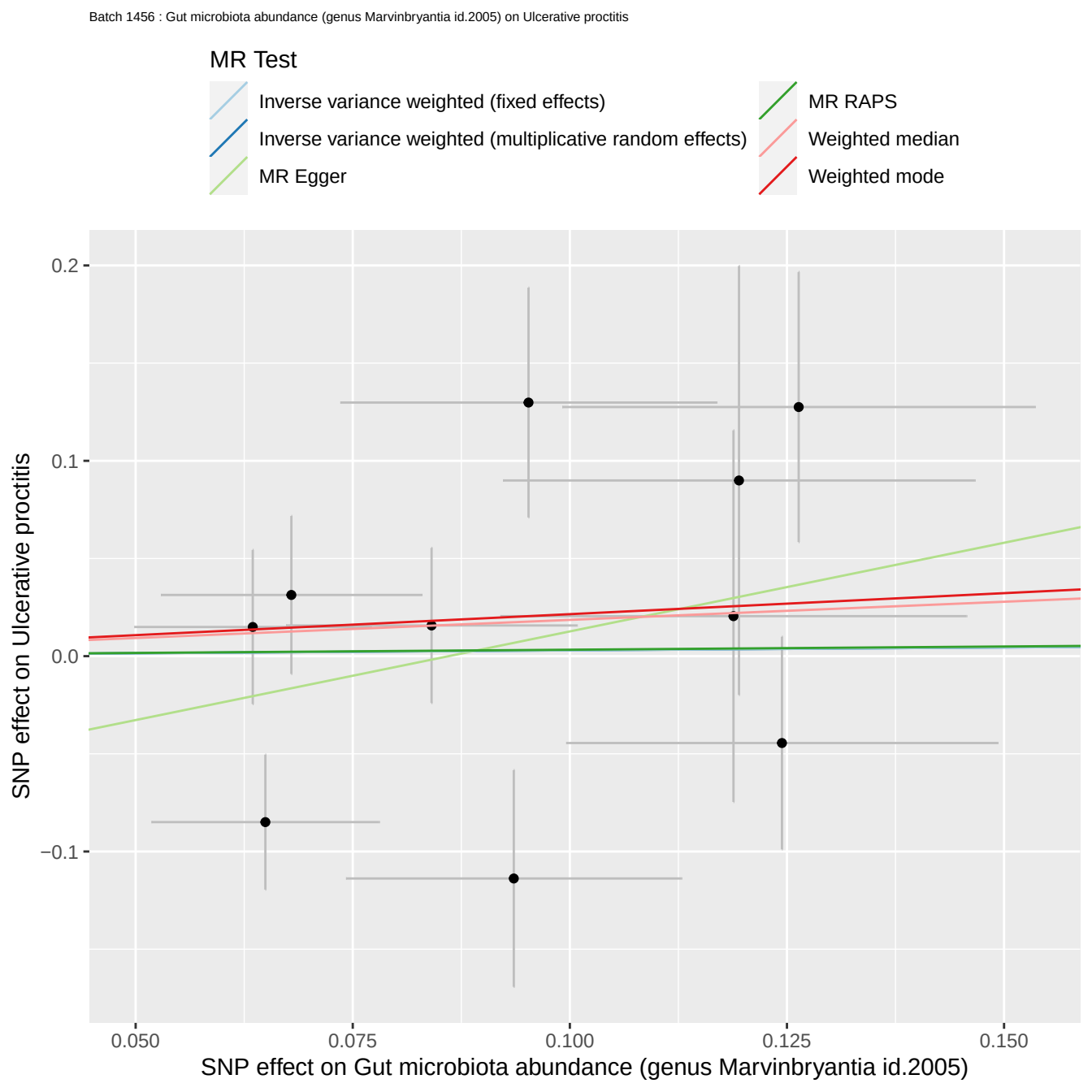

Batch 1451 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)

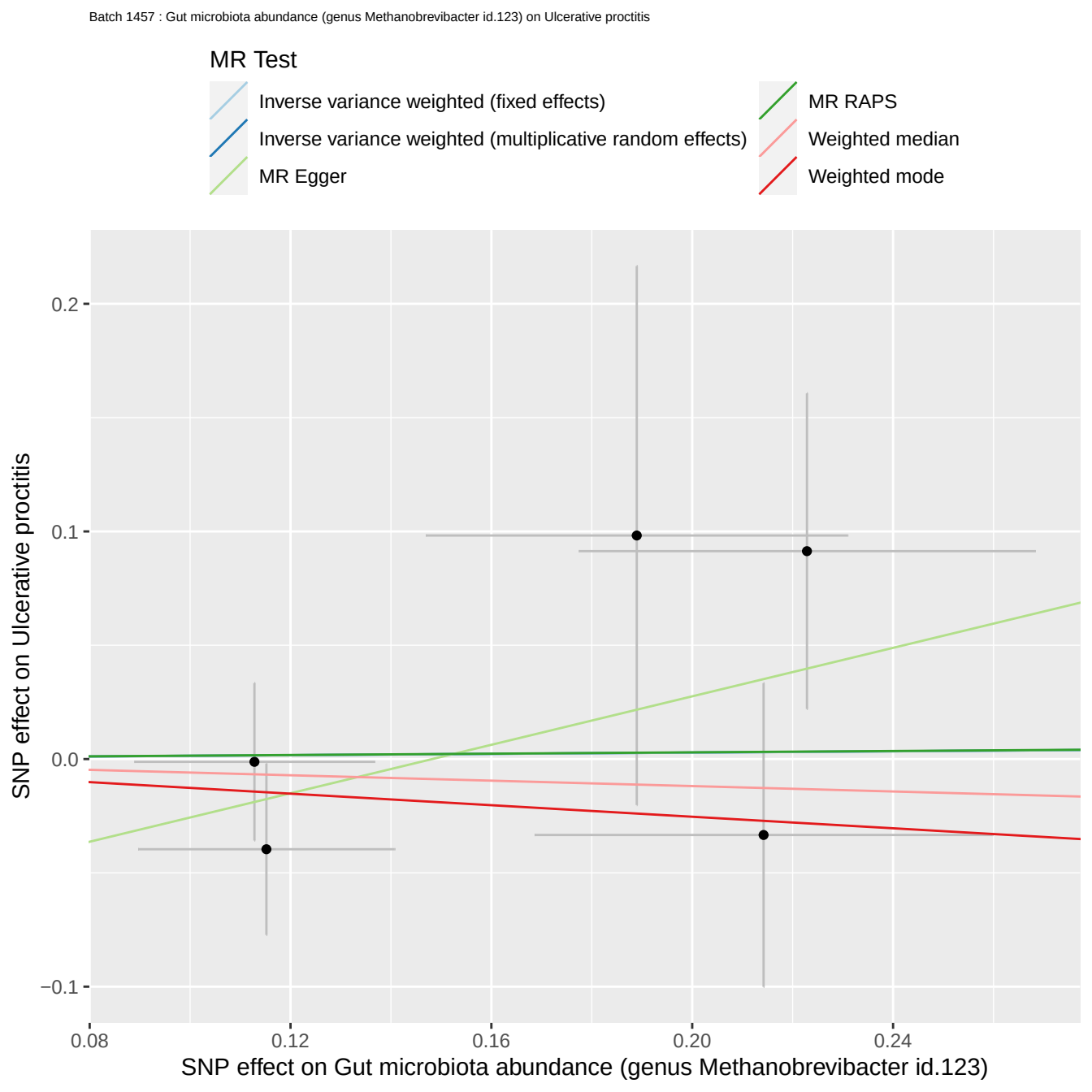

Batch 1452 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330)

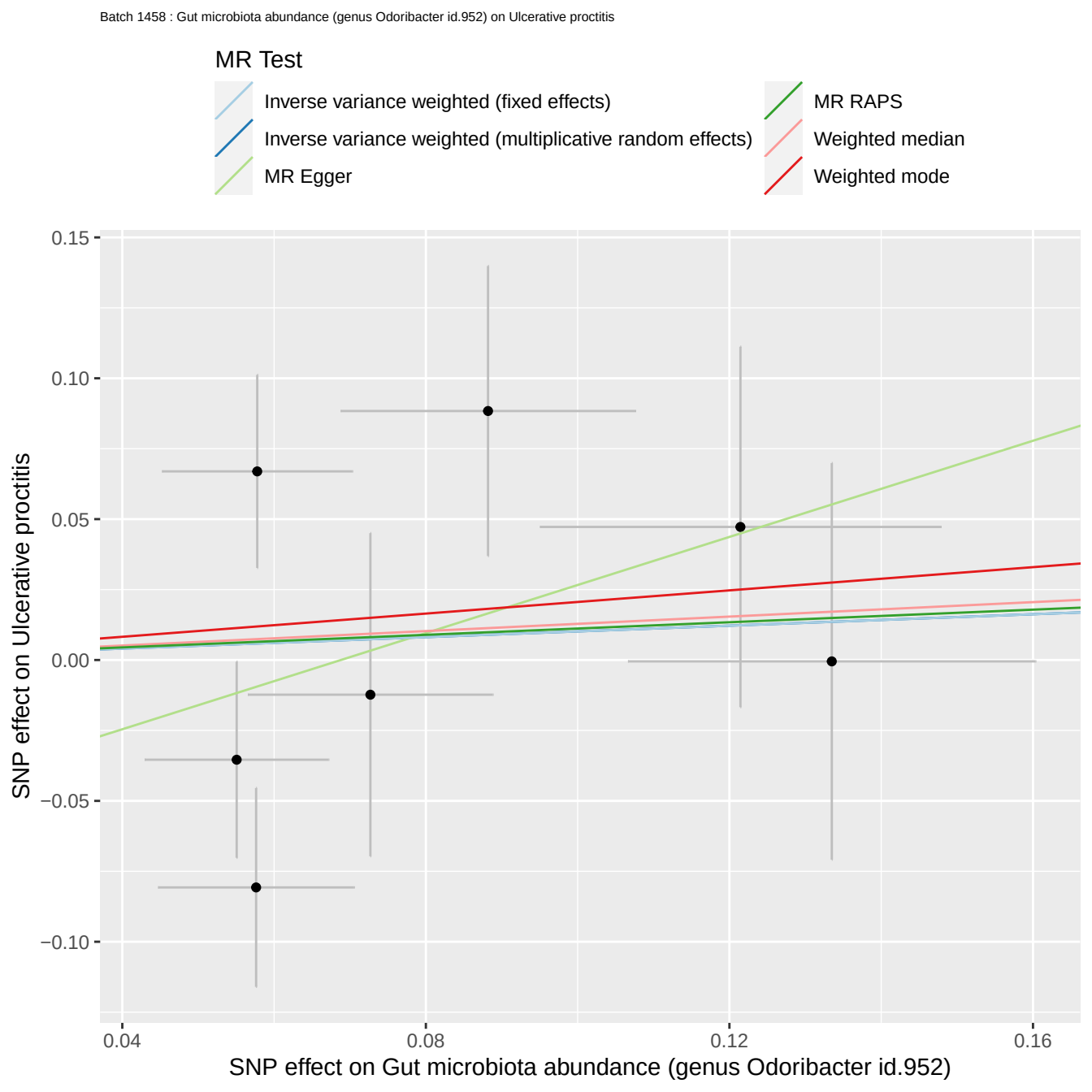
Insufficient number of SNPs

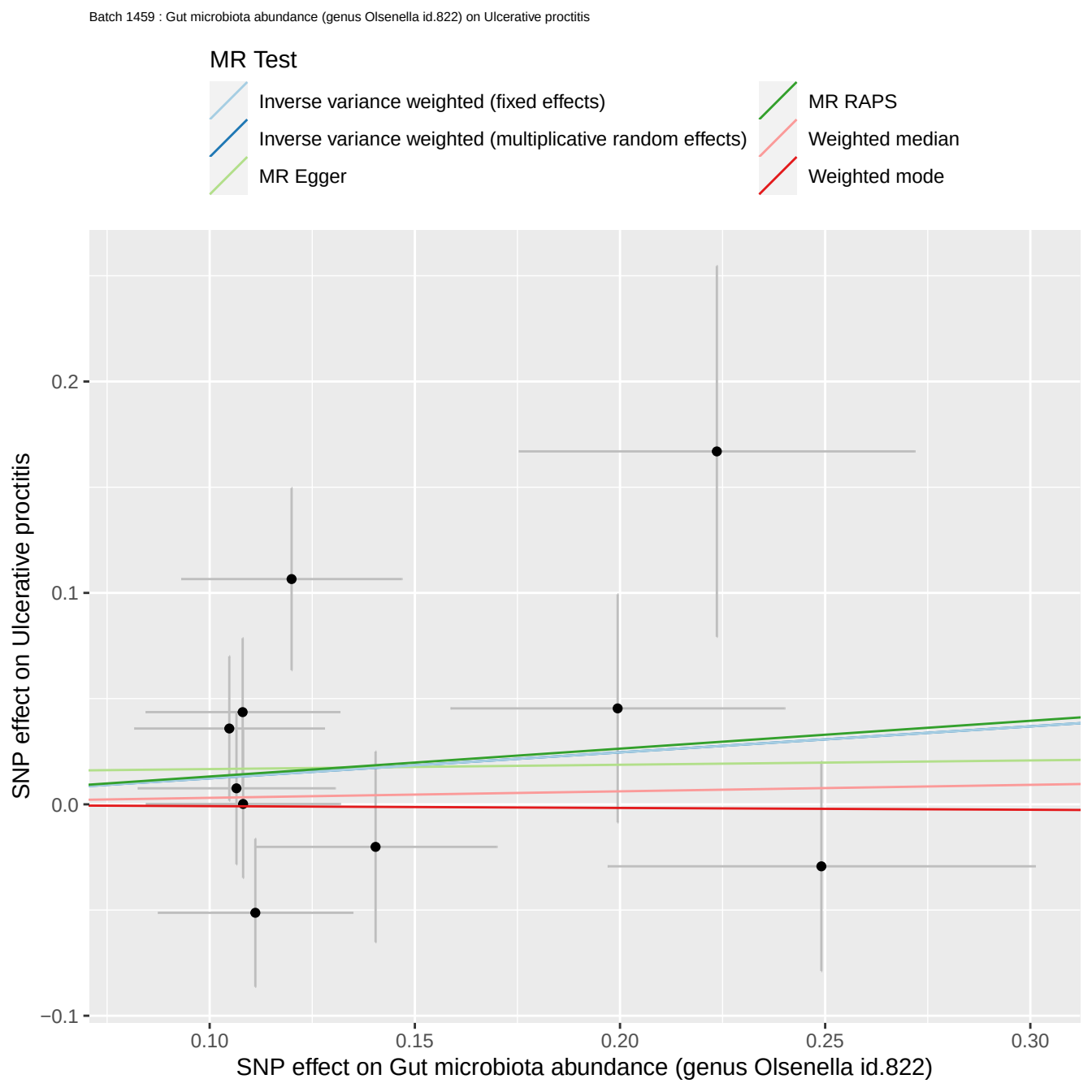

Batch 1454 : Gut microbiota abundance (genus Lactobacillus id.1837) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

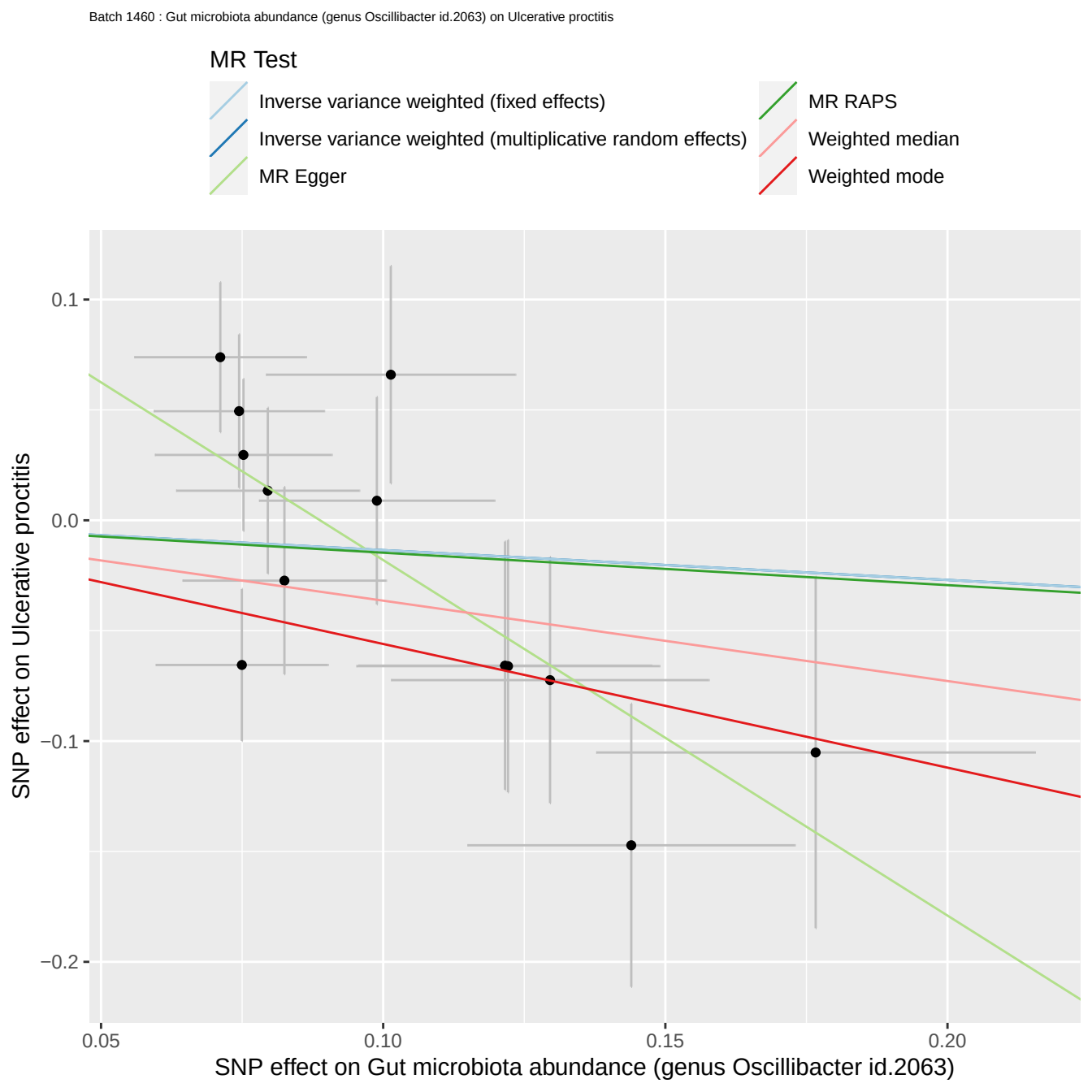

Batch 1455 : Gut microbiota abundance (genus Lactococcus id.1851) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)

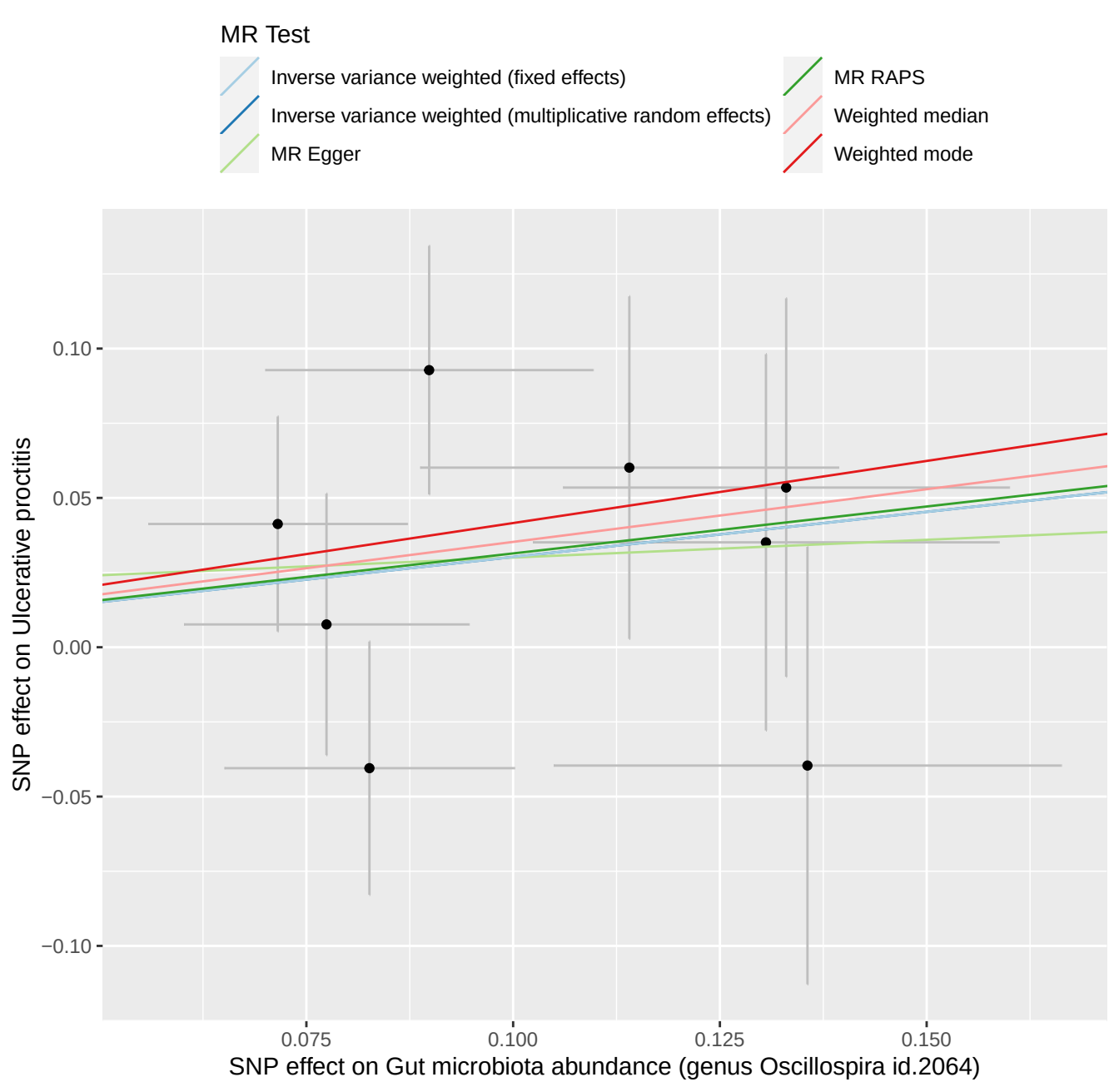

Batch 1456 : Gut microbiota abundance (genus Marvinbryantia id.2005) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)


Batch 1457 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Methanobrevibacter id.123)

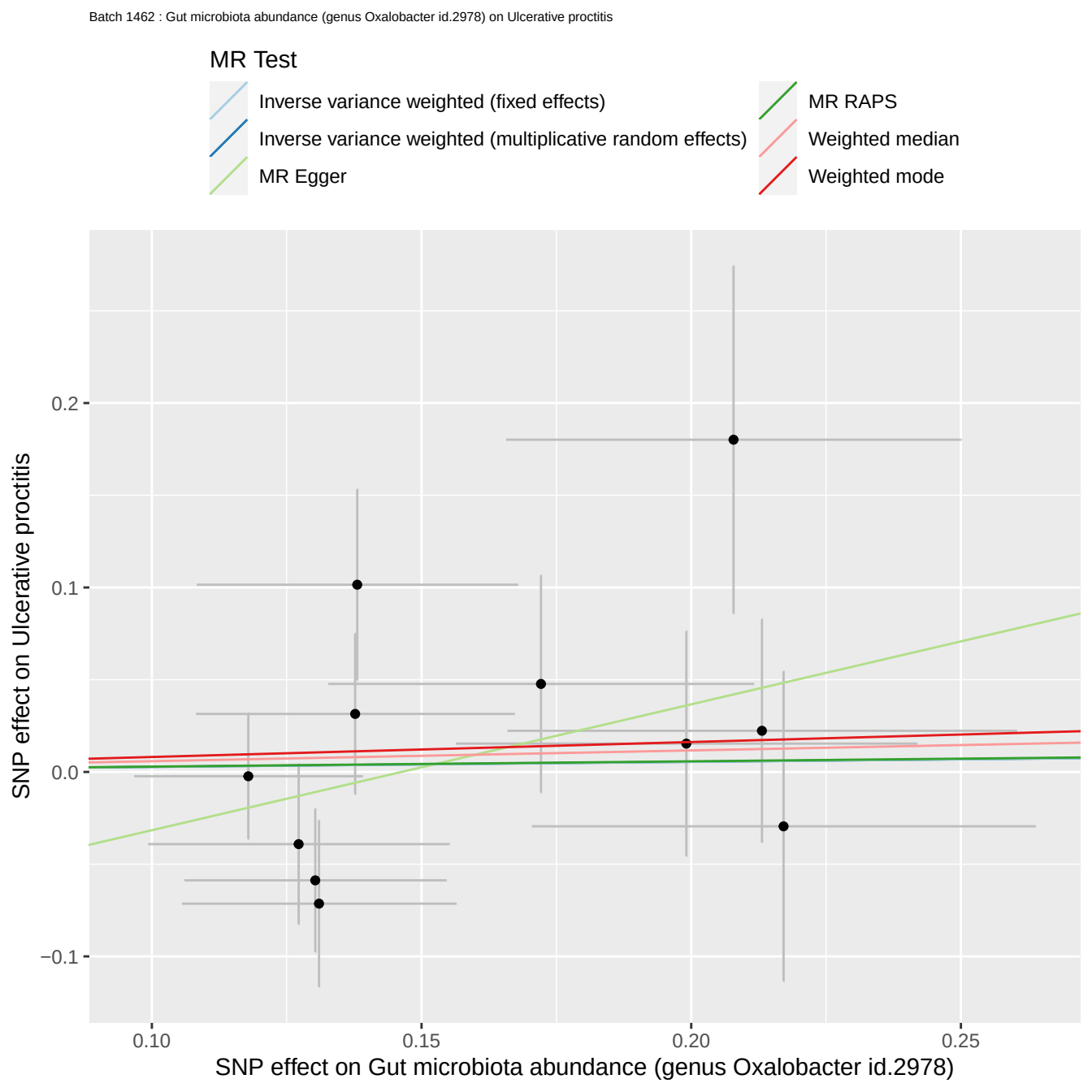

Batch 1458 : Gut microbiota abundance (genus Odoribacter id.952) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Odoribacter id.952)

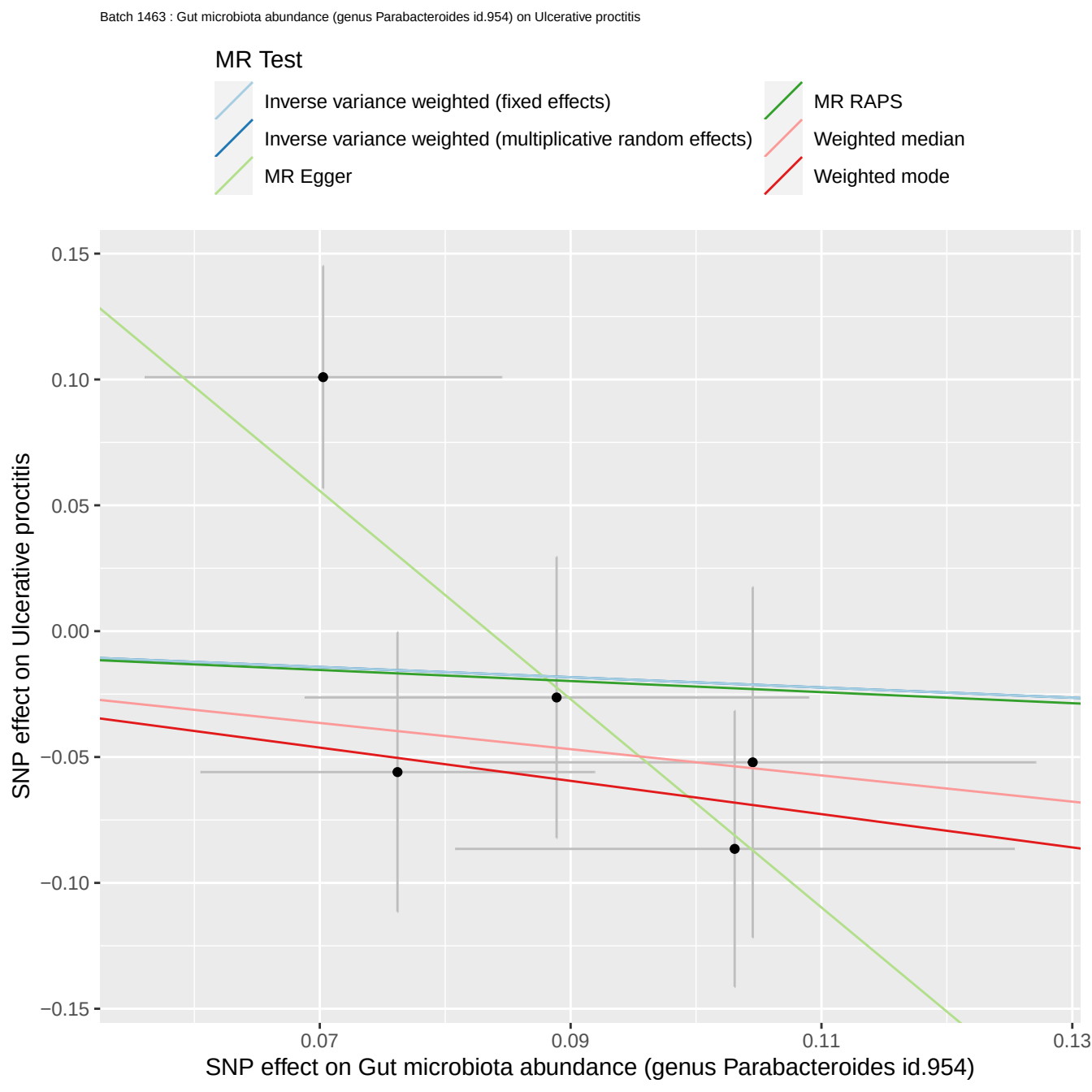

Batch 1459 : Gut microbiota abundance (genus Olsenella id.822) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Olsenella id.822)

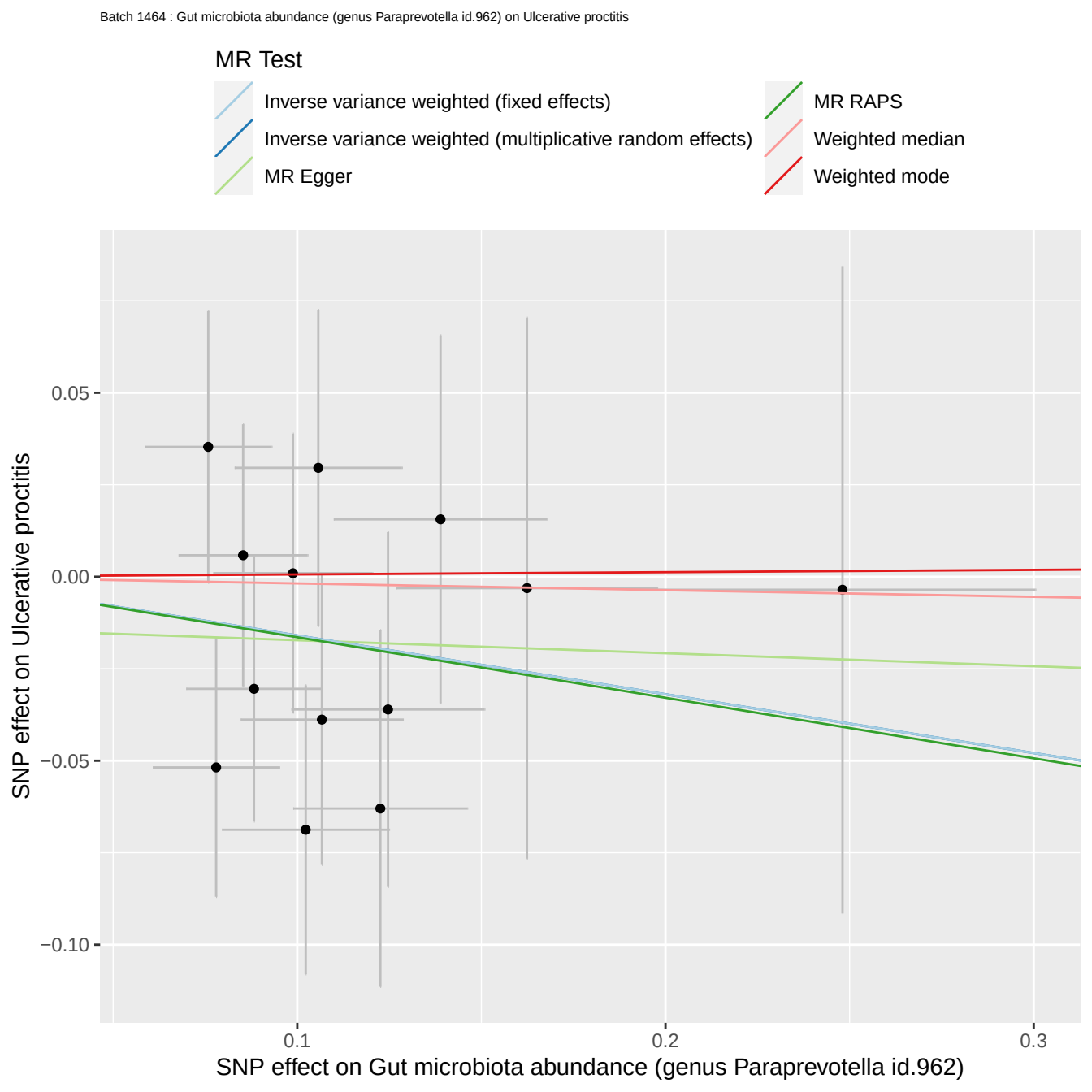

Batch 1460 : Gut microbiota abundance (genus Oscillibacter id.2063) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

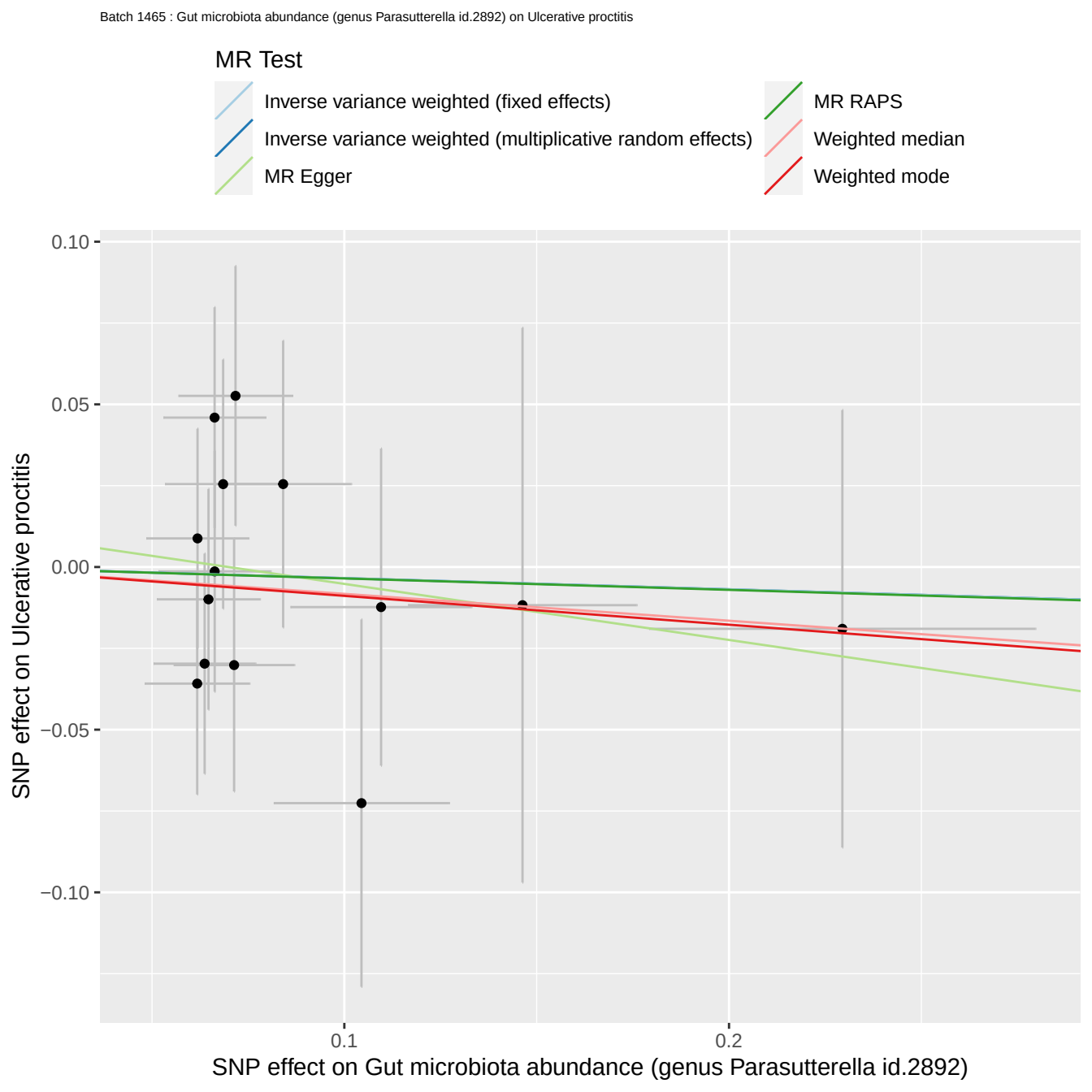

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

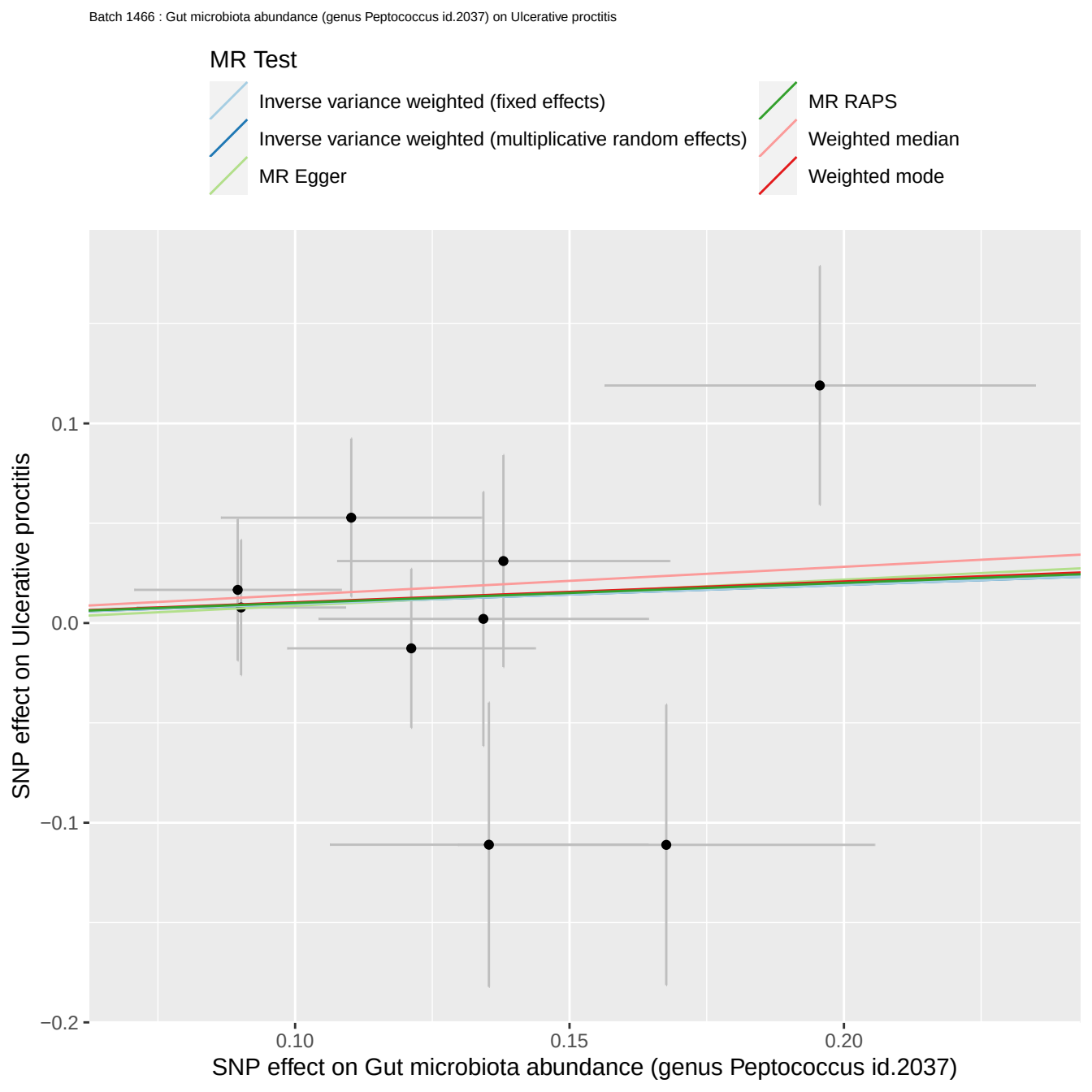
Batch 1462 : Gut microbiota abundance (genus Oxalobacter id.2978) on Ulcerative proctitis

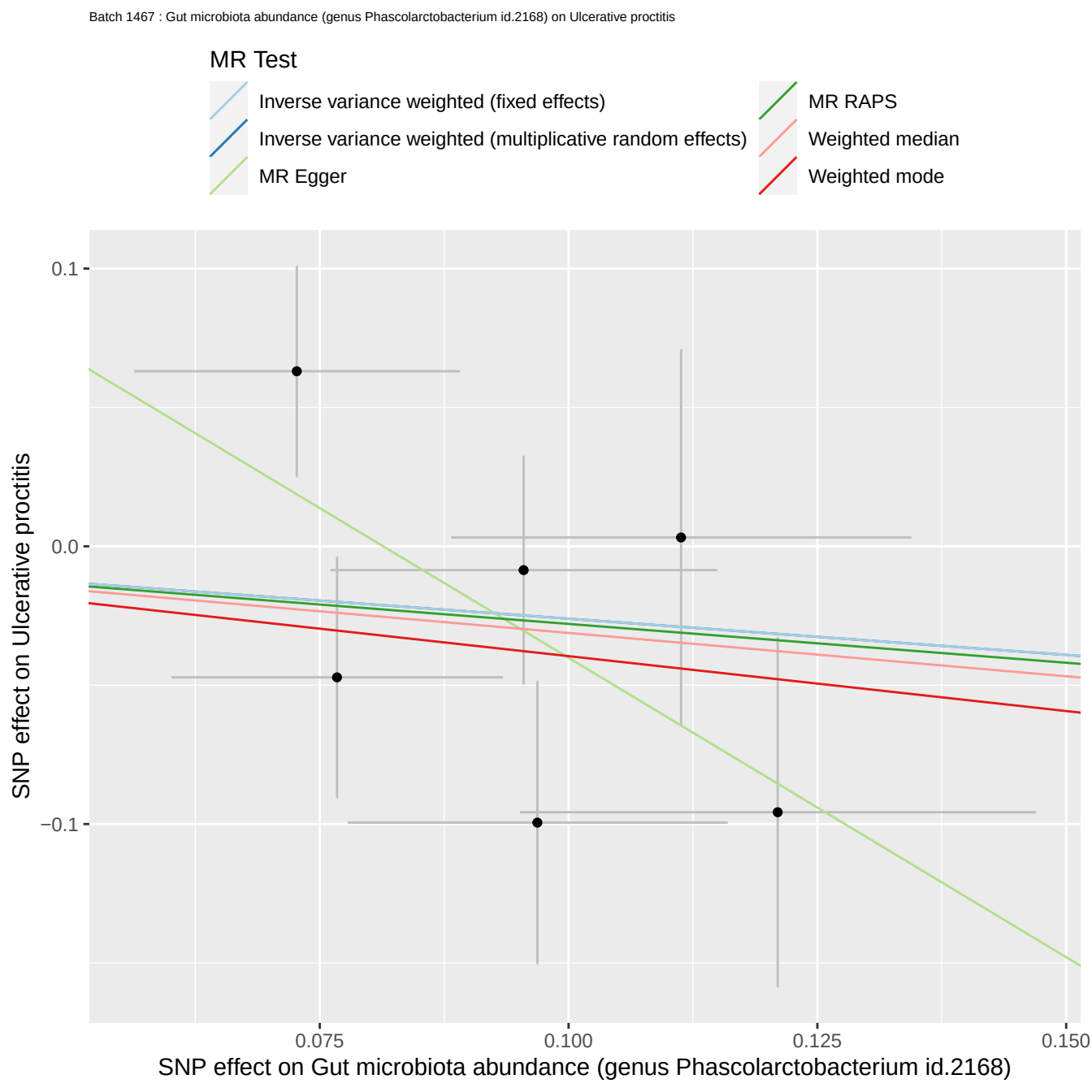


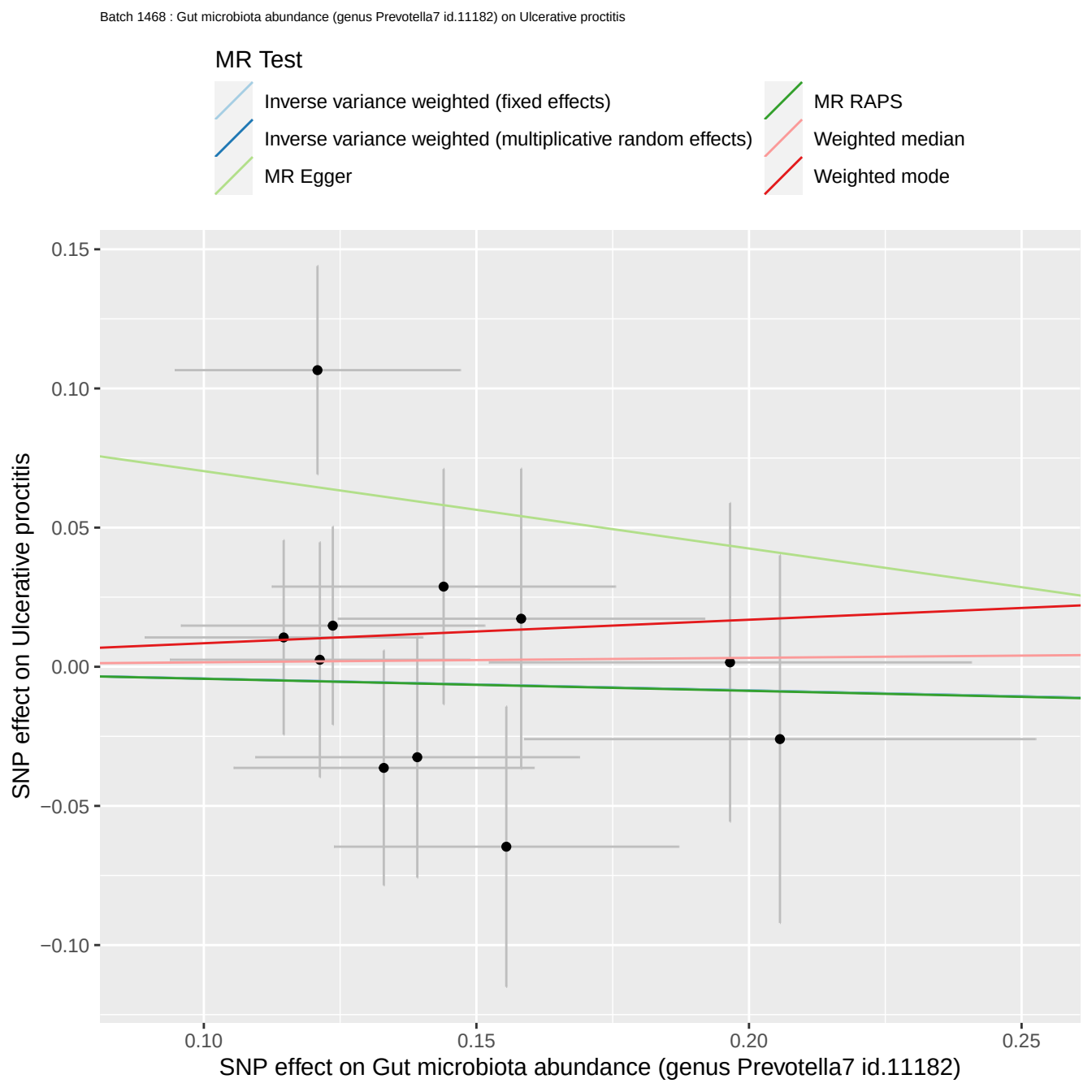

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

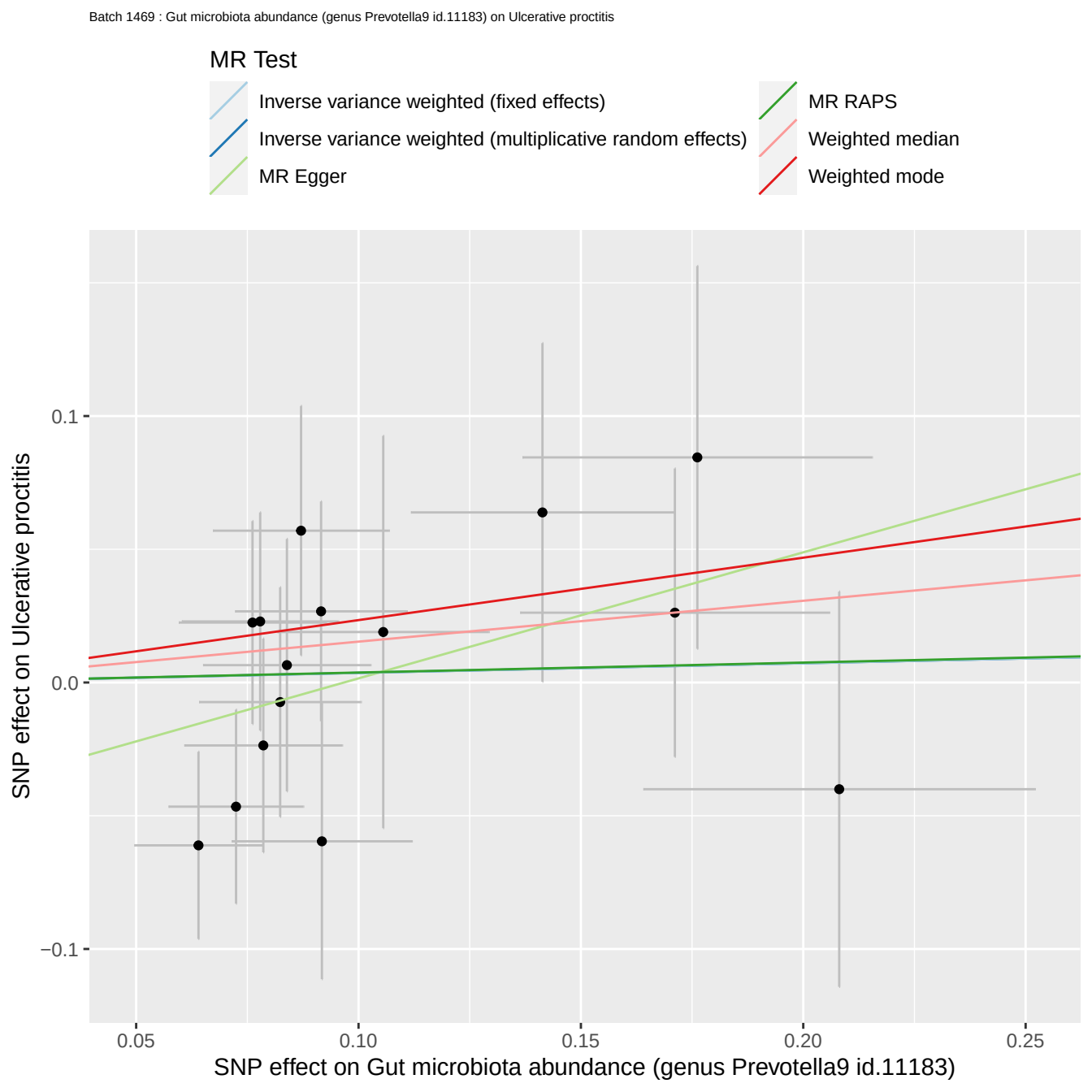

Batch 1464 : Gut microbiota abundance (genus Paraprevotella id.962) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)

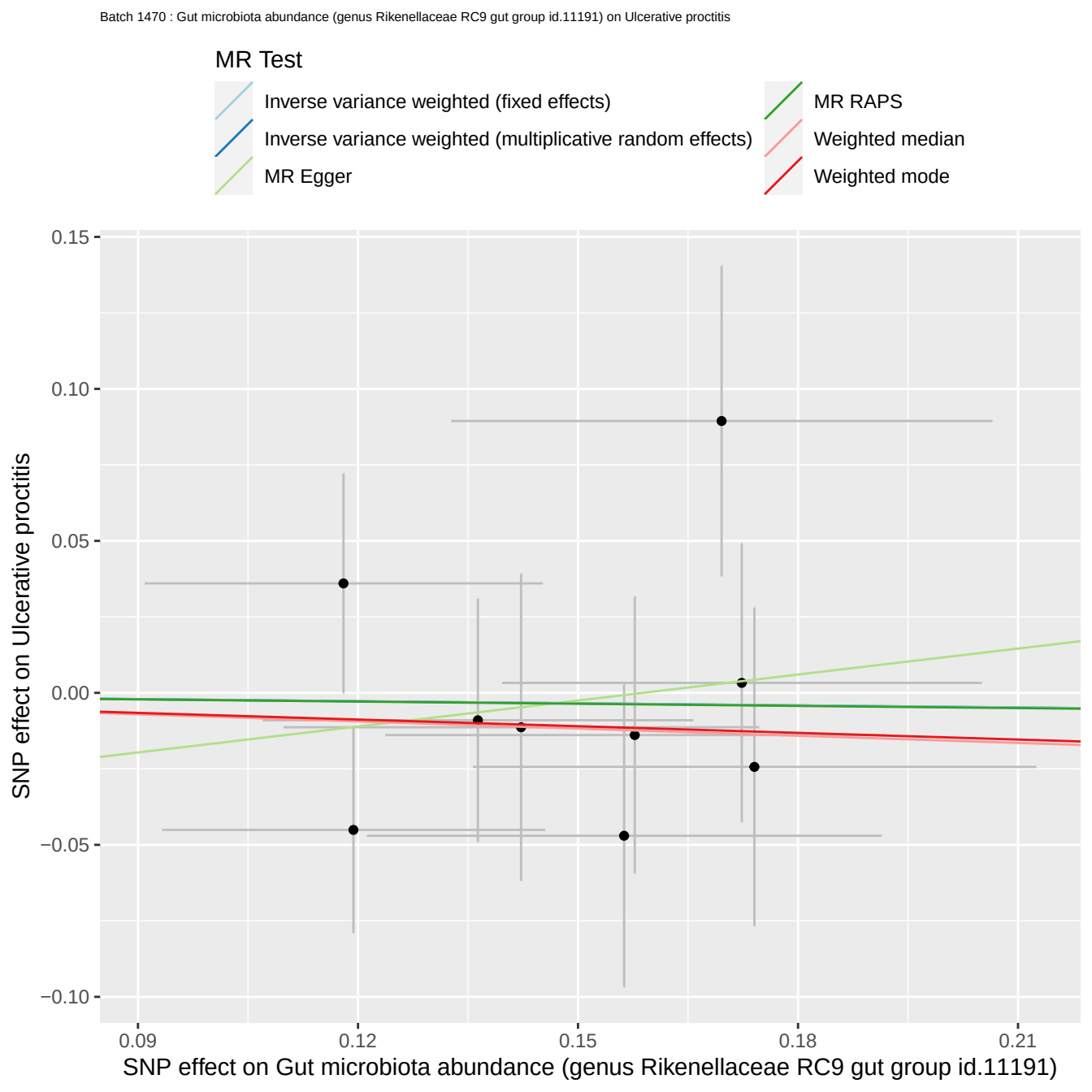

Batch 1465 : Gut microbiota abundance (genus Parasutterella id.2892) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

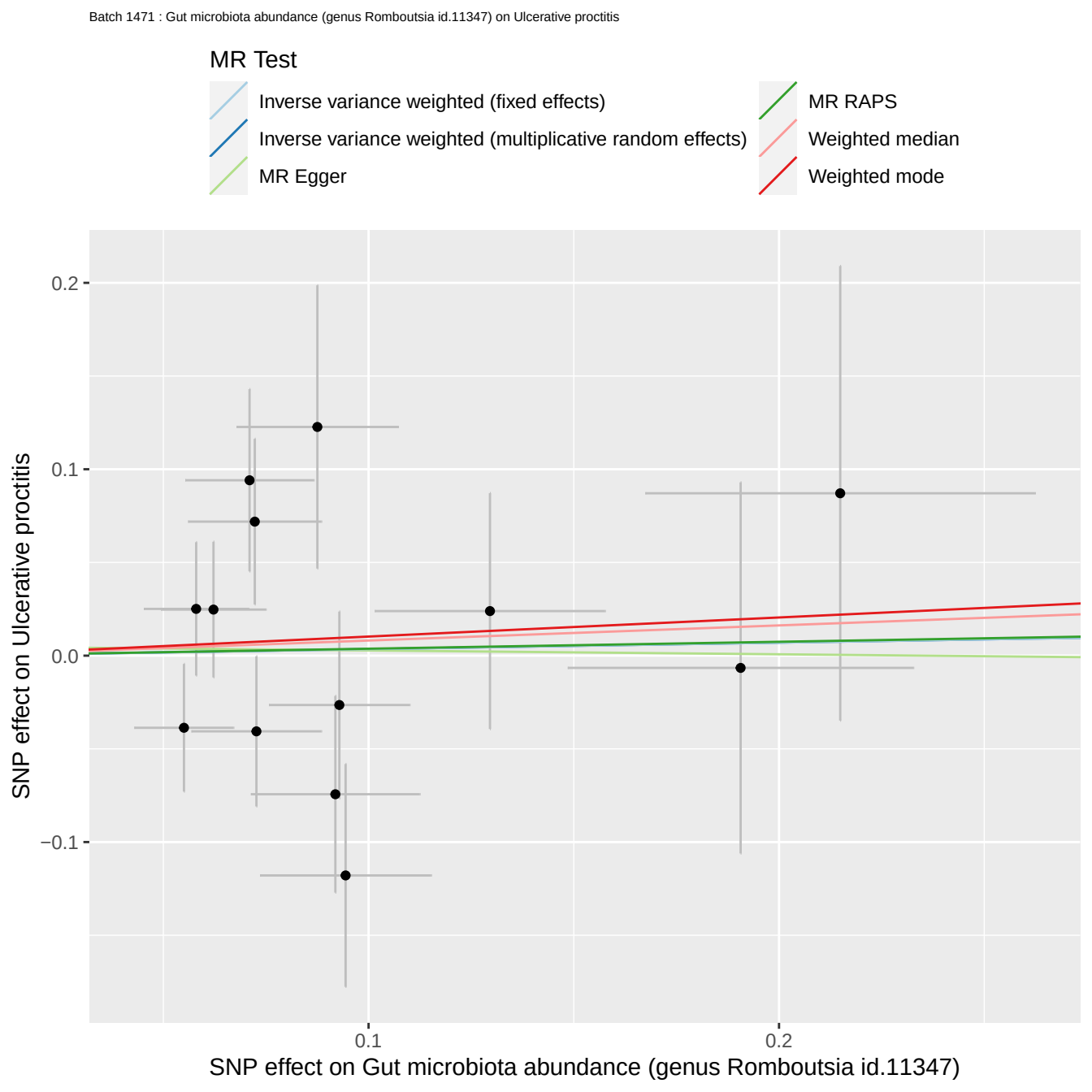

Batch 1466 : Gut microbiota abundance (genus Peptococcus id.2037) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
−0.2
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

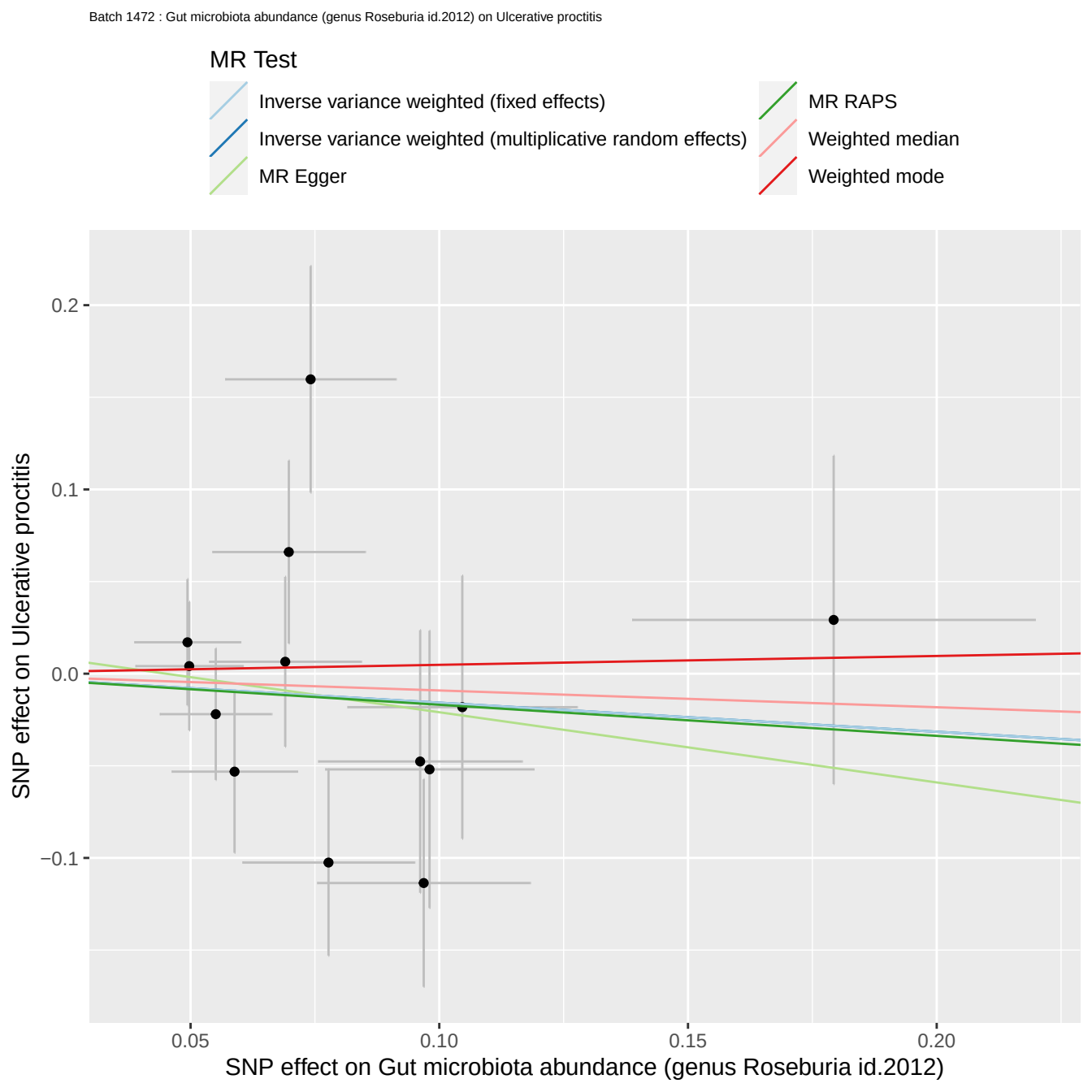

Batch 1467 : Gut microbiota abundance (genus Phascolarctobacterium id.2168) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

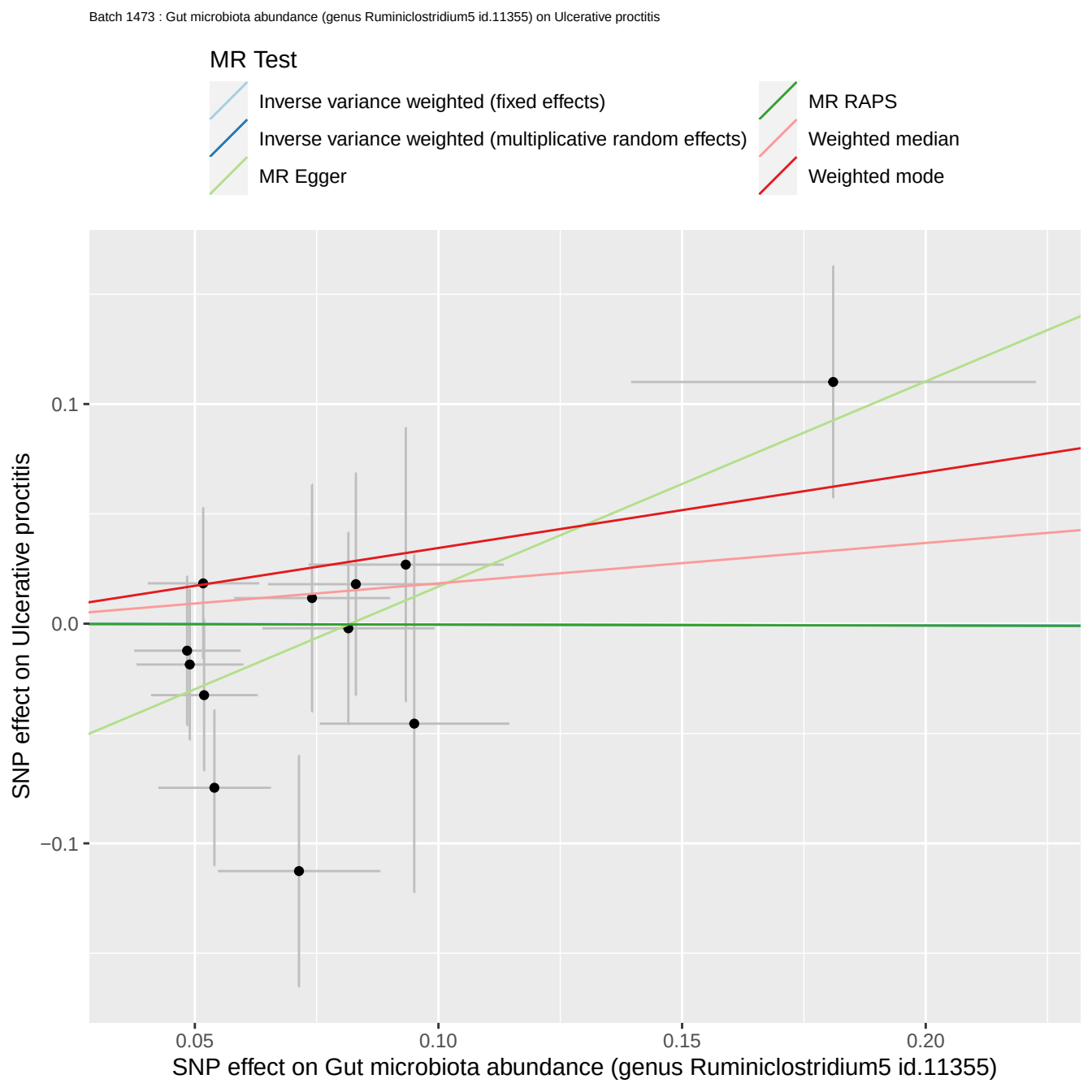

Batch 1468 : Gut microbiota abundance (genus Prevotella7 id.11182) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

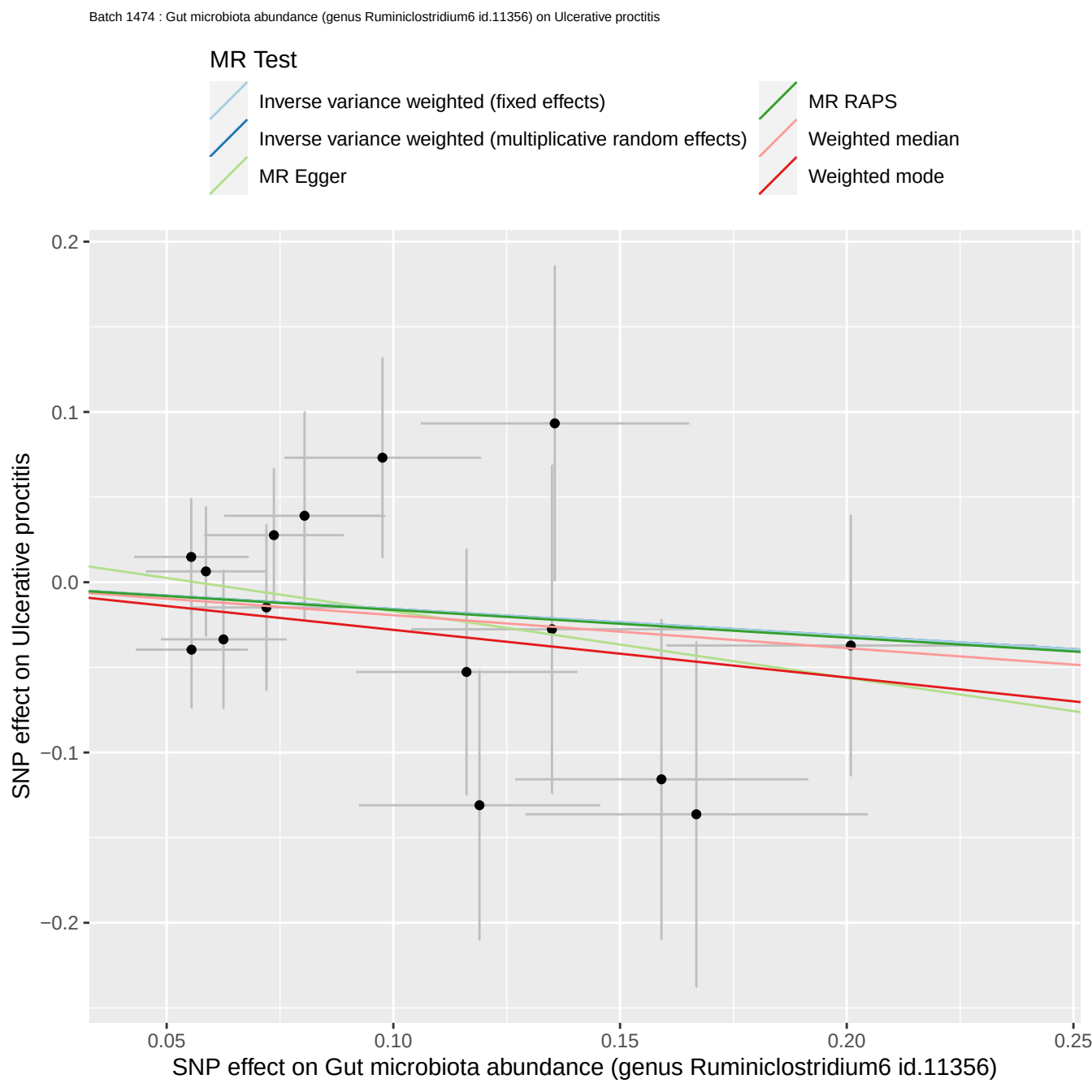

Batch 1469 : Gut microbiota abundance (genus Prevotella9 id.11183) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

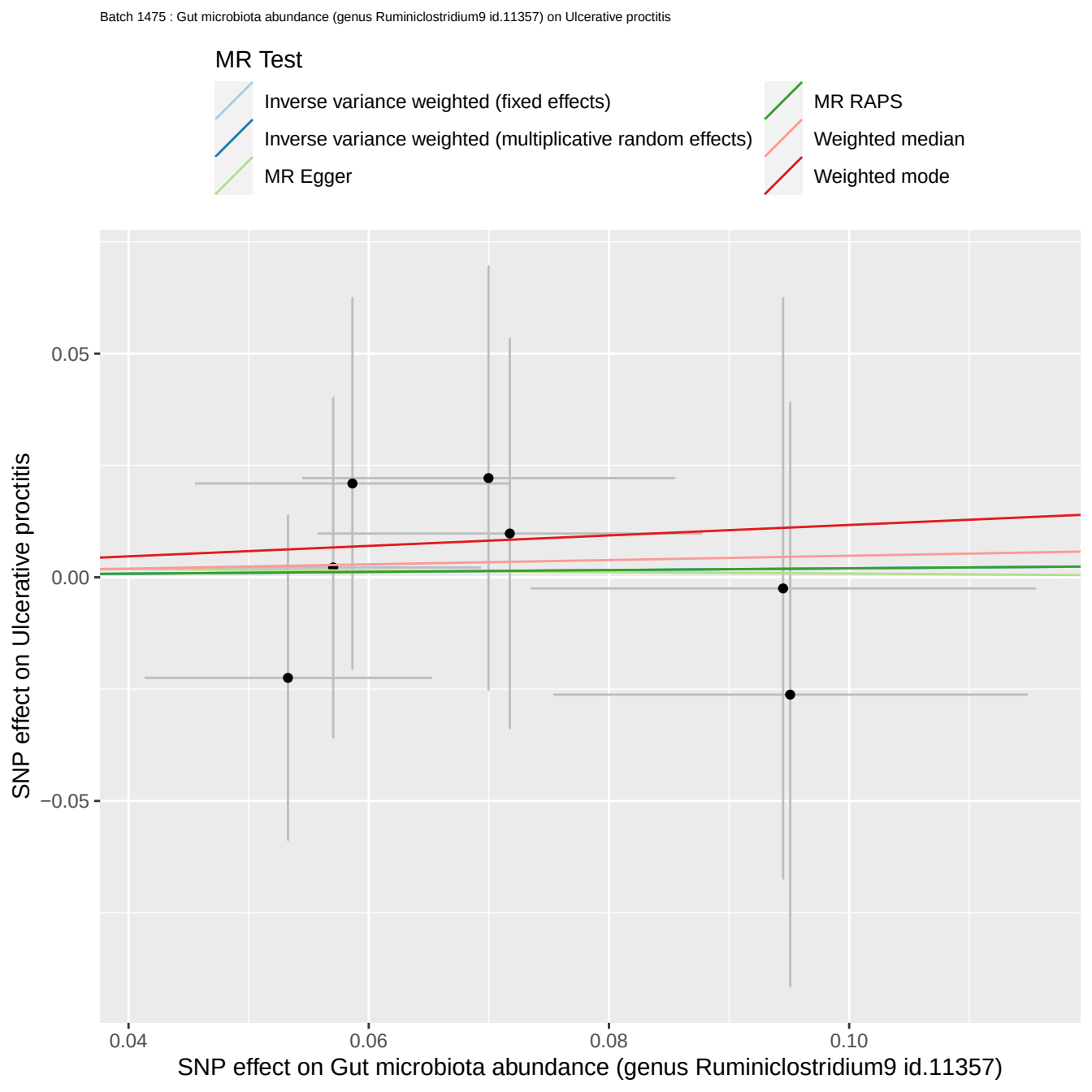

Batch 1470 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191)

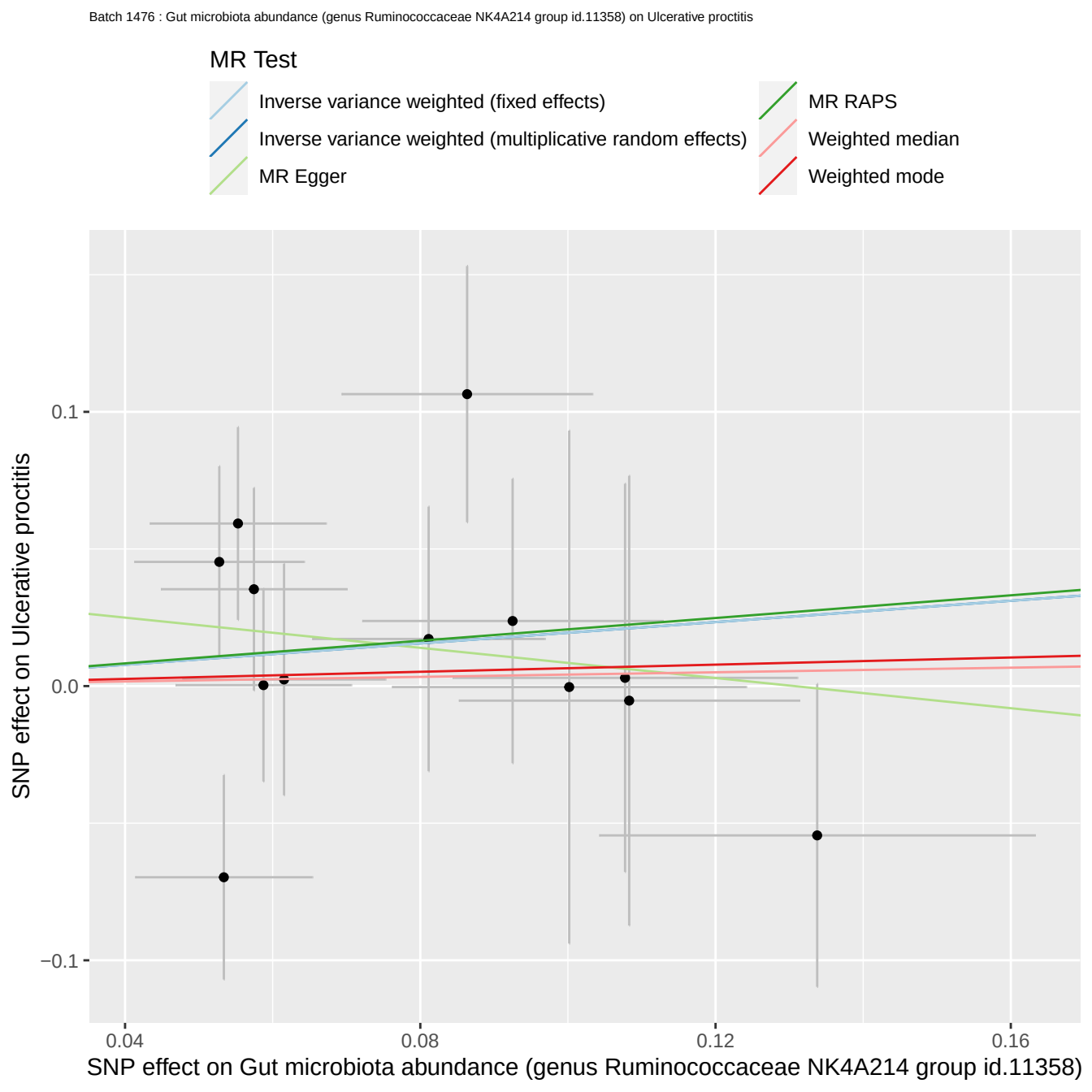

Batch 1471 : Gut microbiota abundance (genus Romboutsia id.11347) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

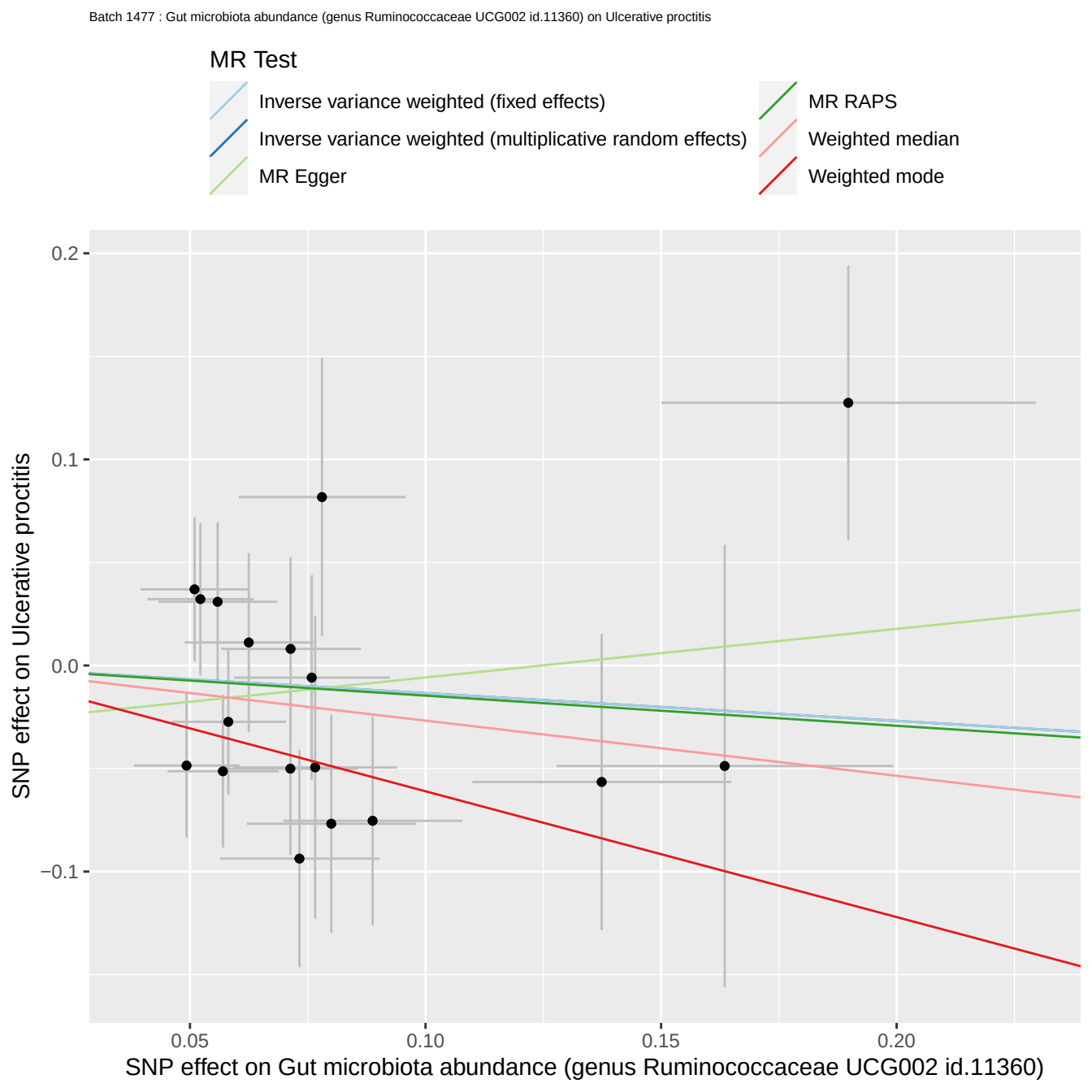

Batch 1472 : Gut microbiota abundance (genus Roseburia id.2012) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)


Batch 1473 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

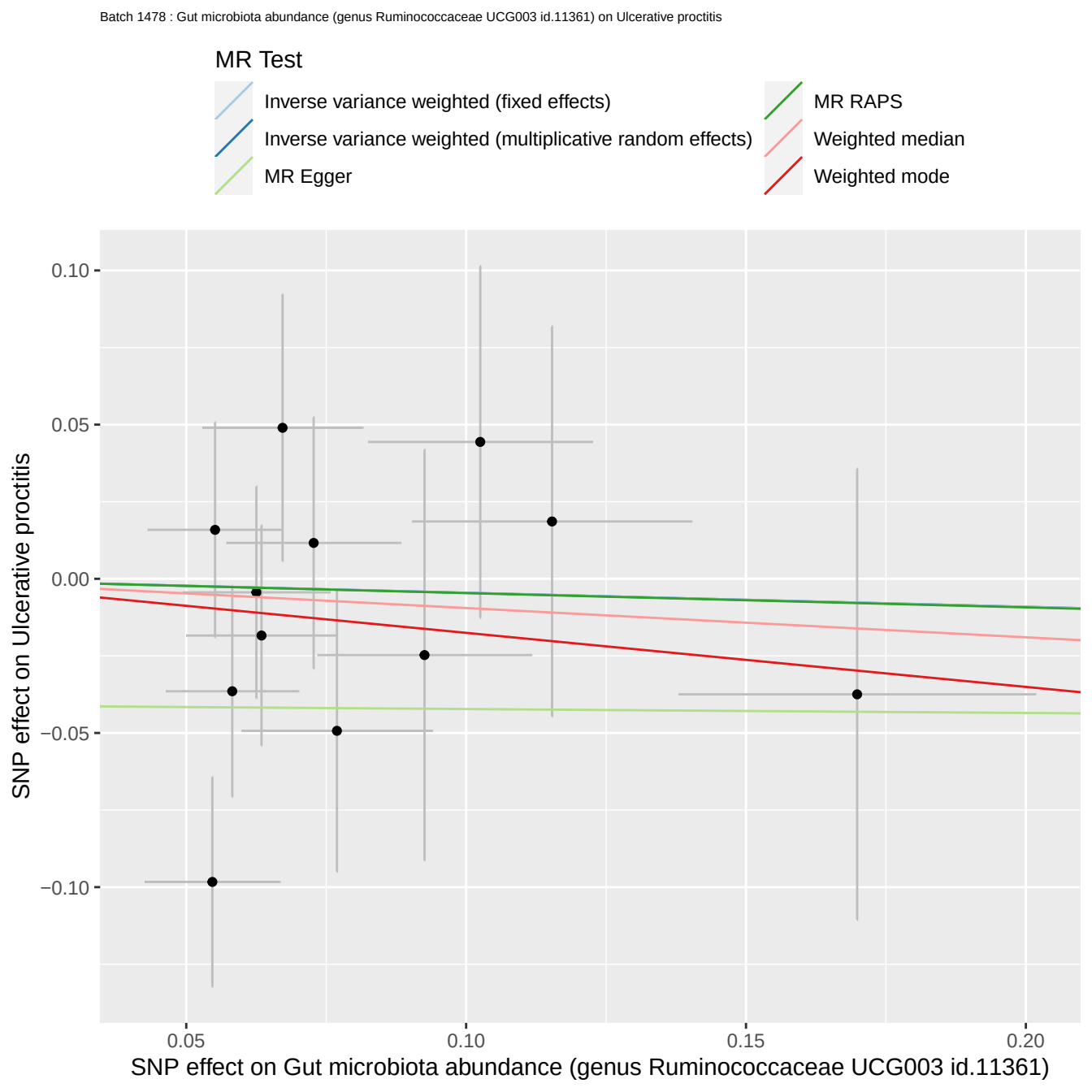

Batch 1474 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

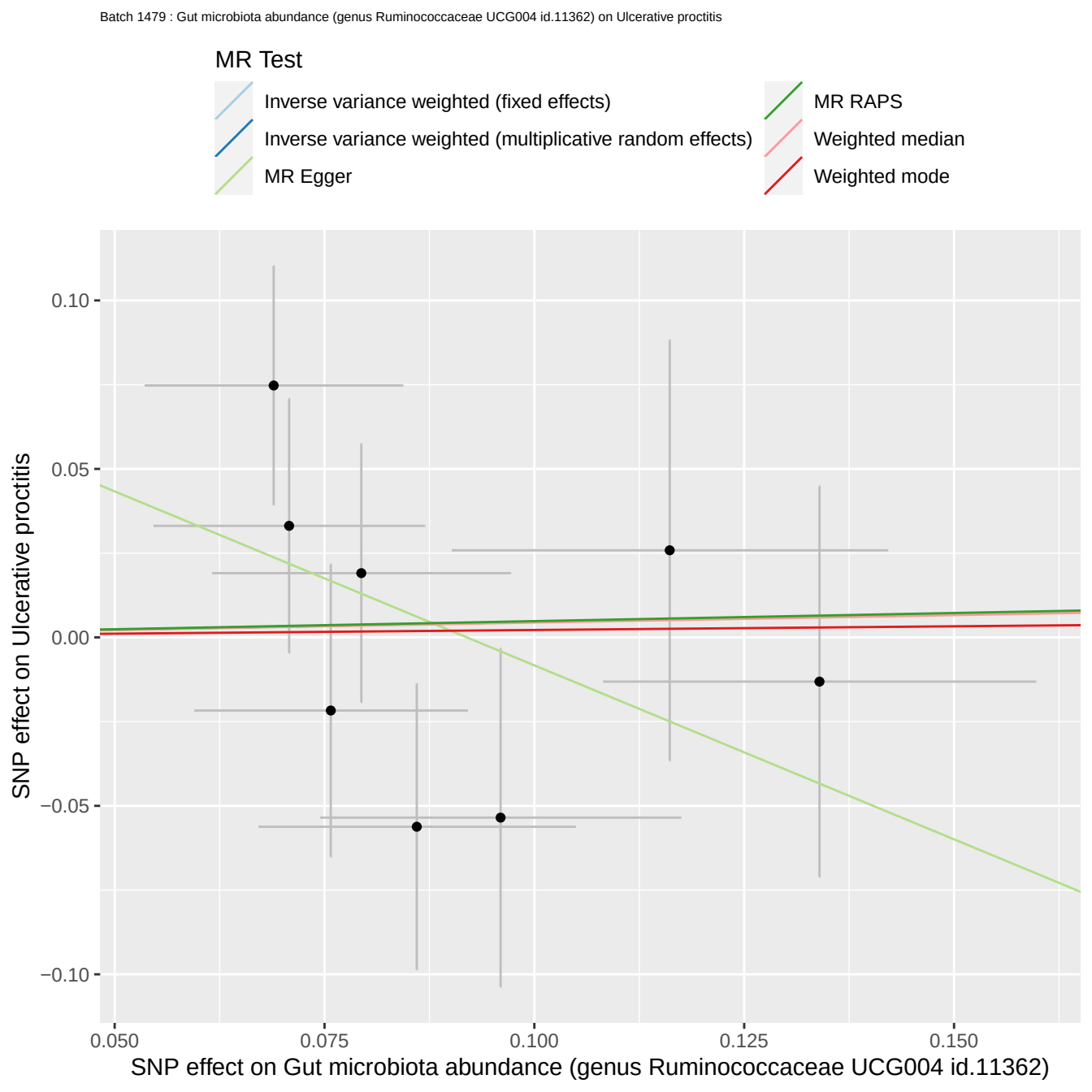

Batch 1475 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Ulcerative proctitis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

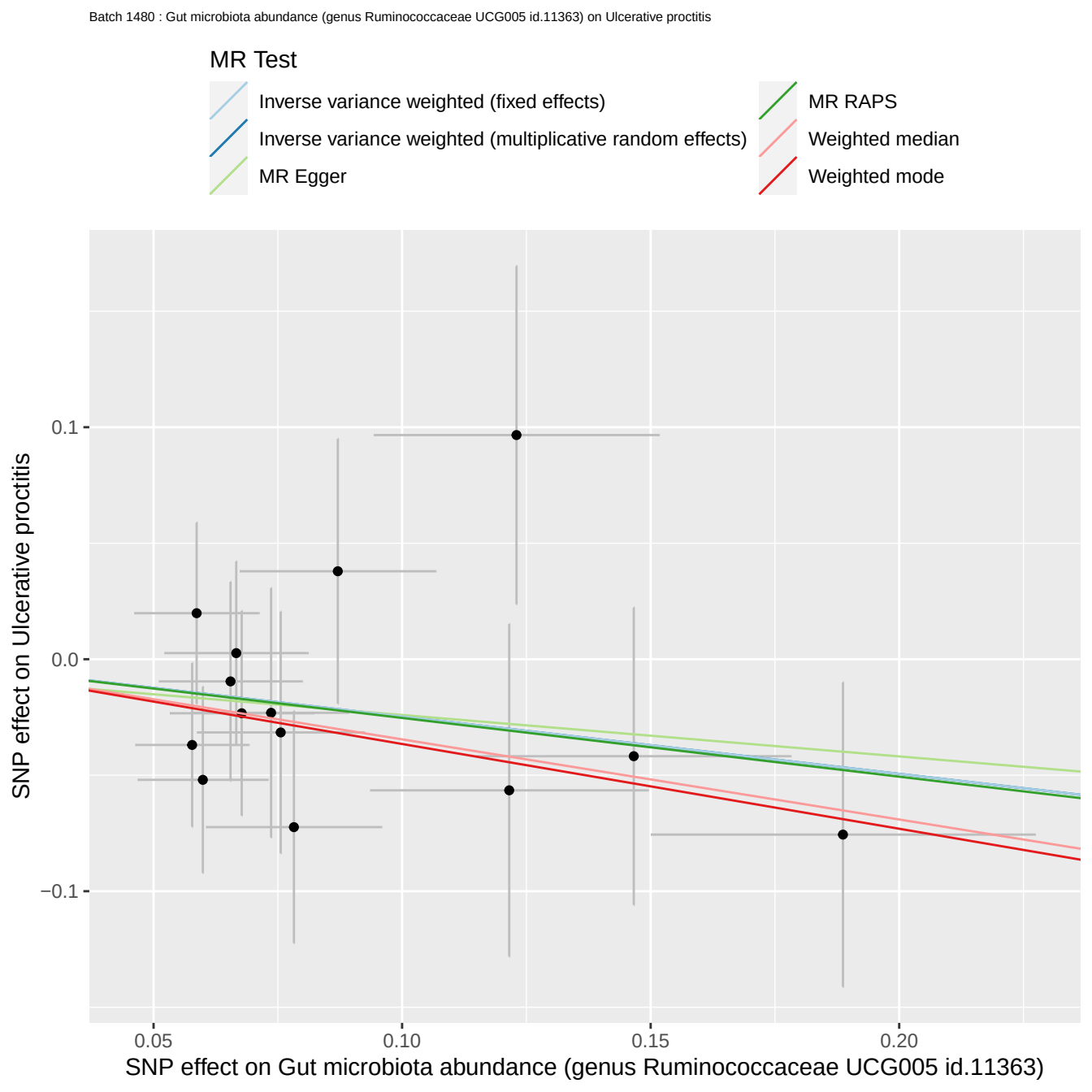

Batch 1476 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)

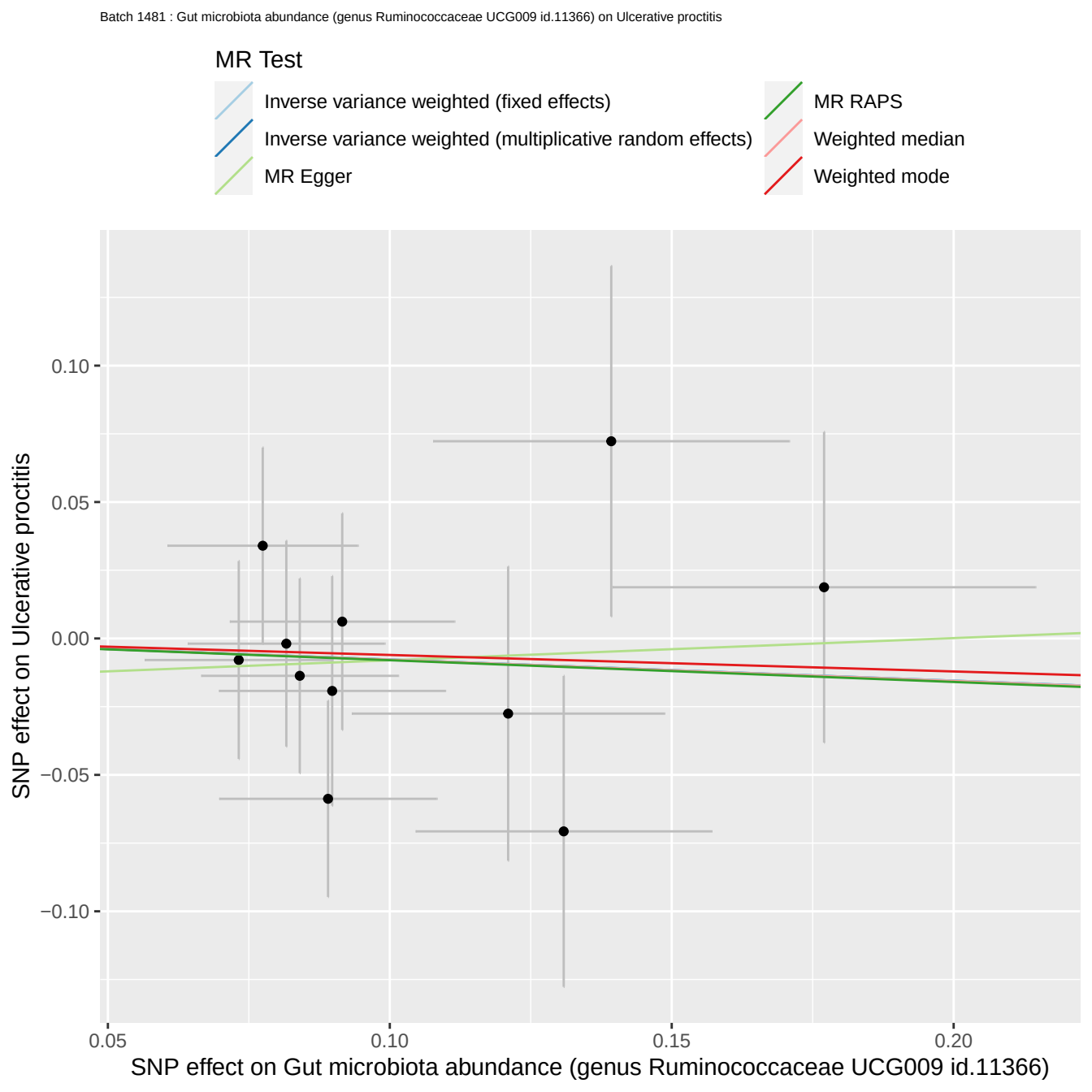

Batch 1477 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

Batch 1478 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Ulcerative proctitis

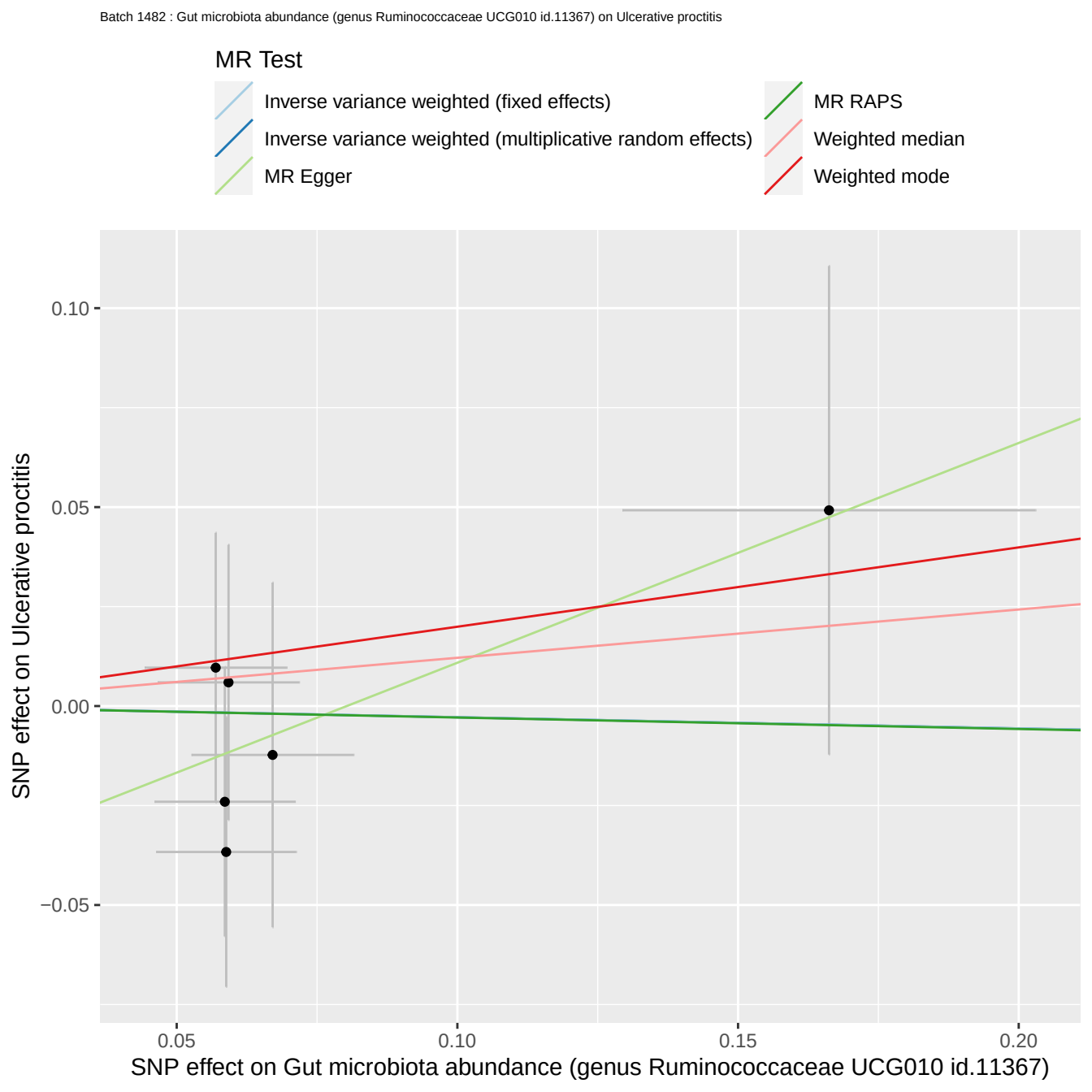


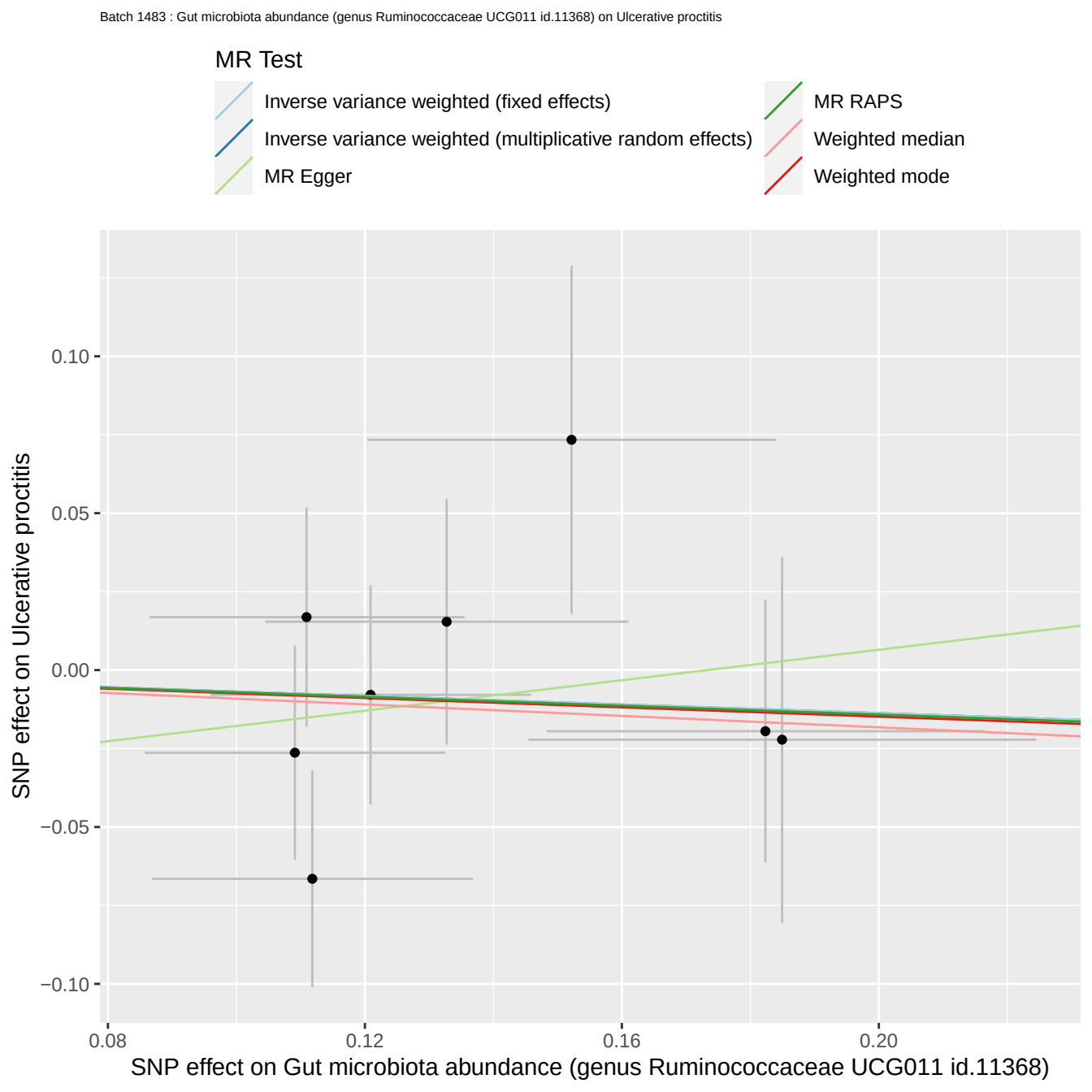

Batch 1479 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative proctitis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)

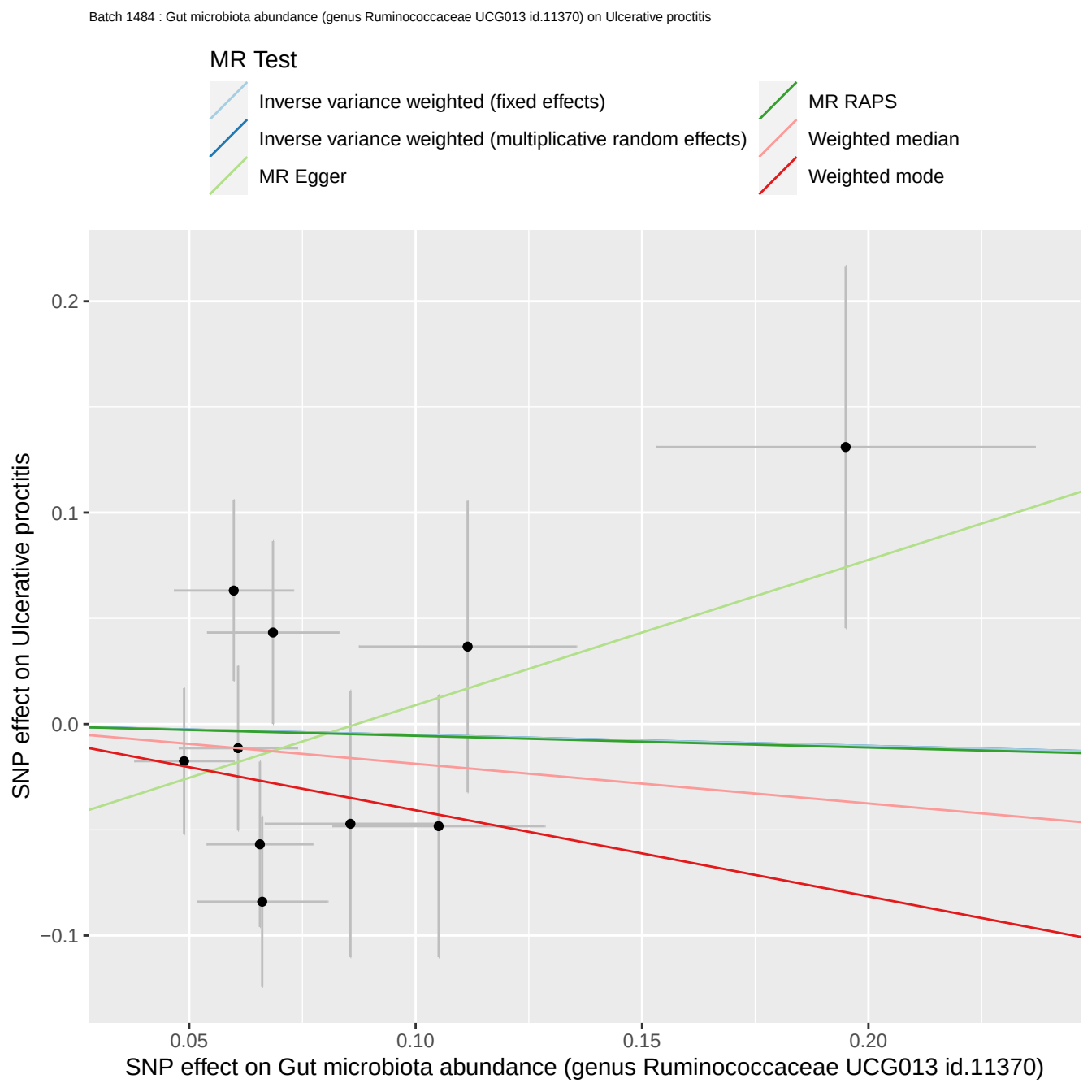

Batch 1480 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

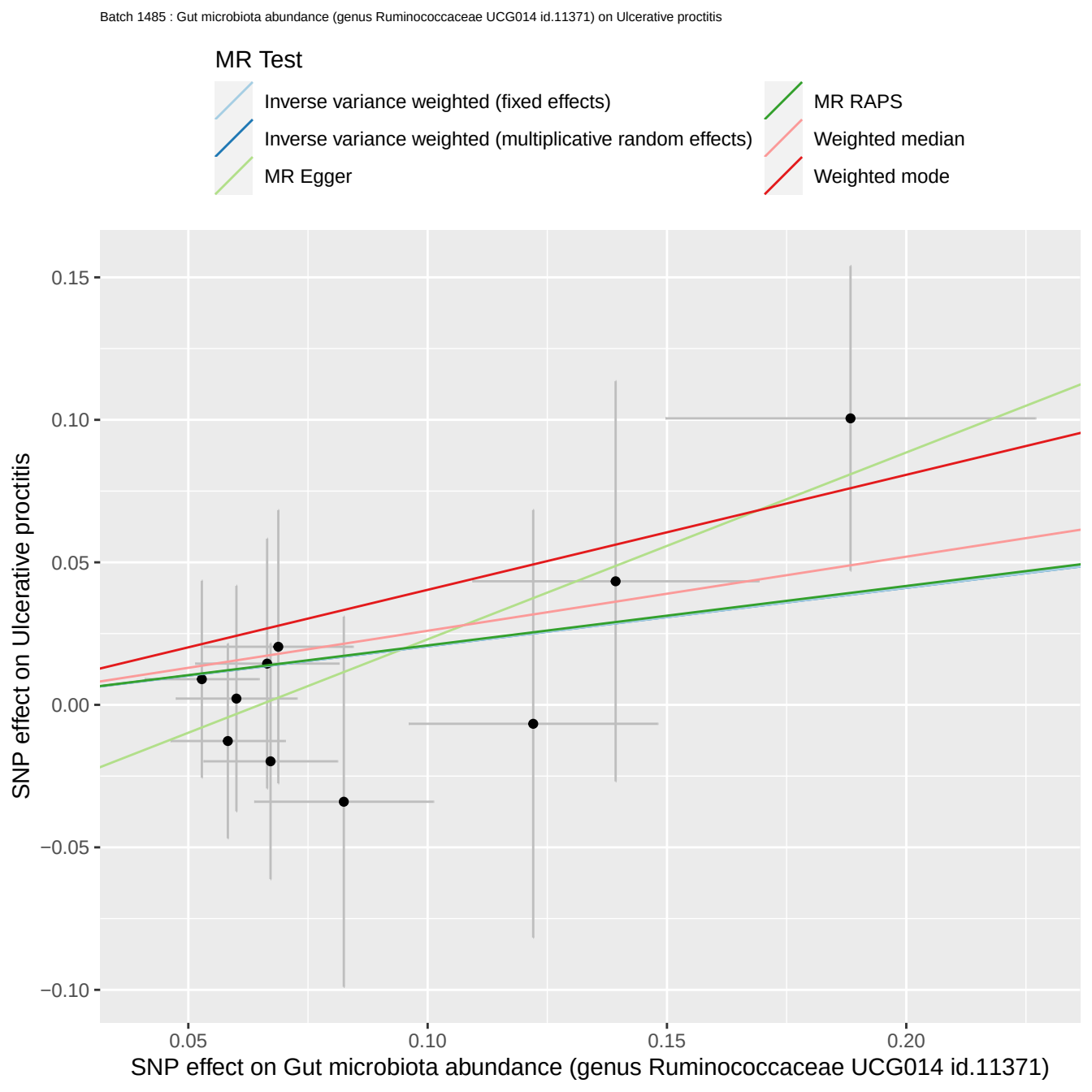

Batch 1481 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

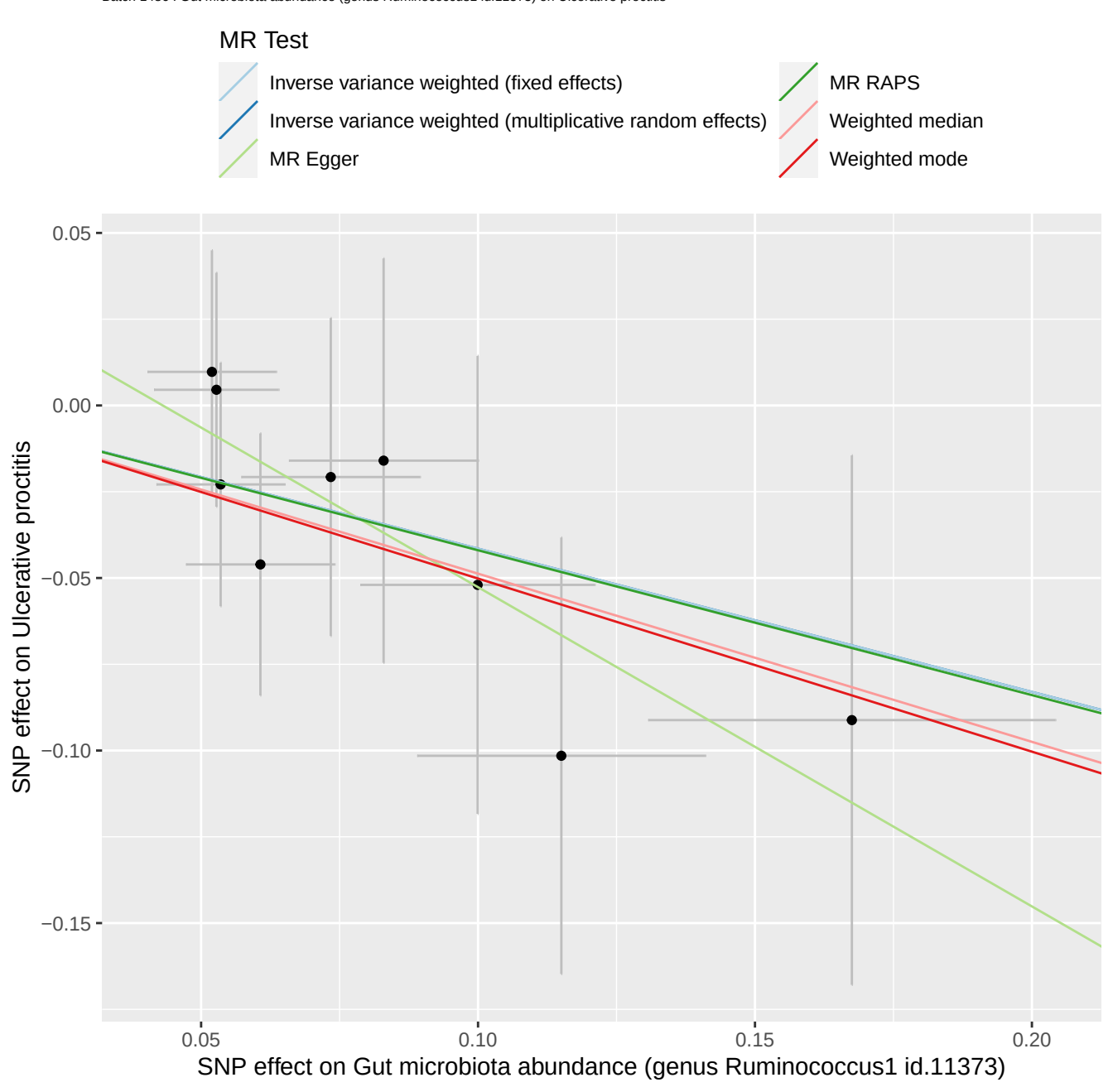
Batch 1482 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Ulcerative proctitis

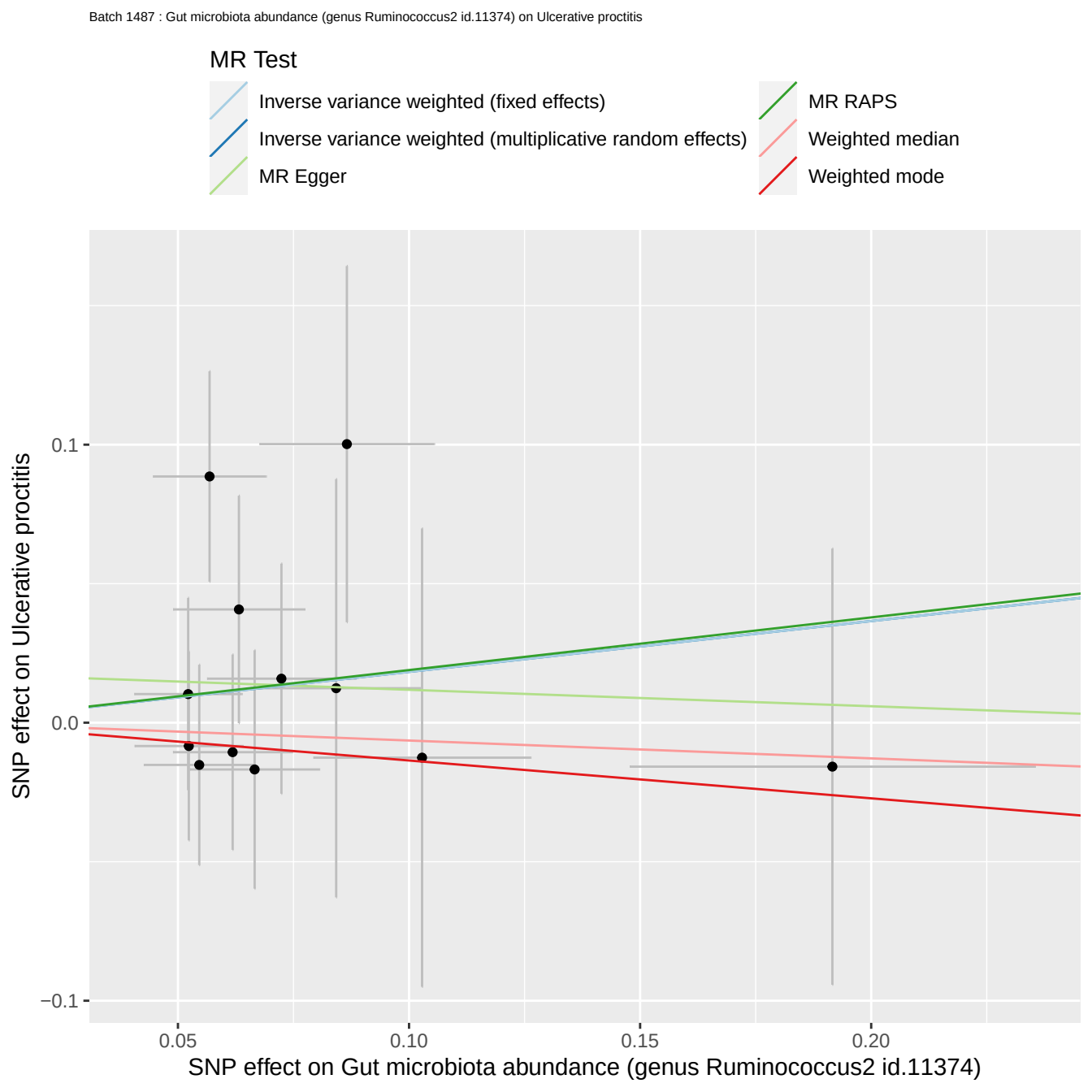


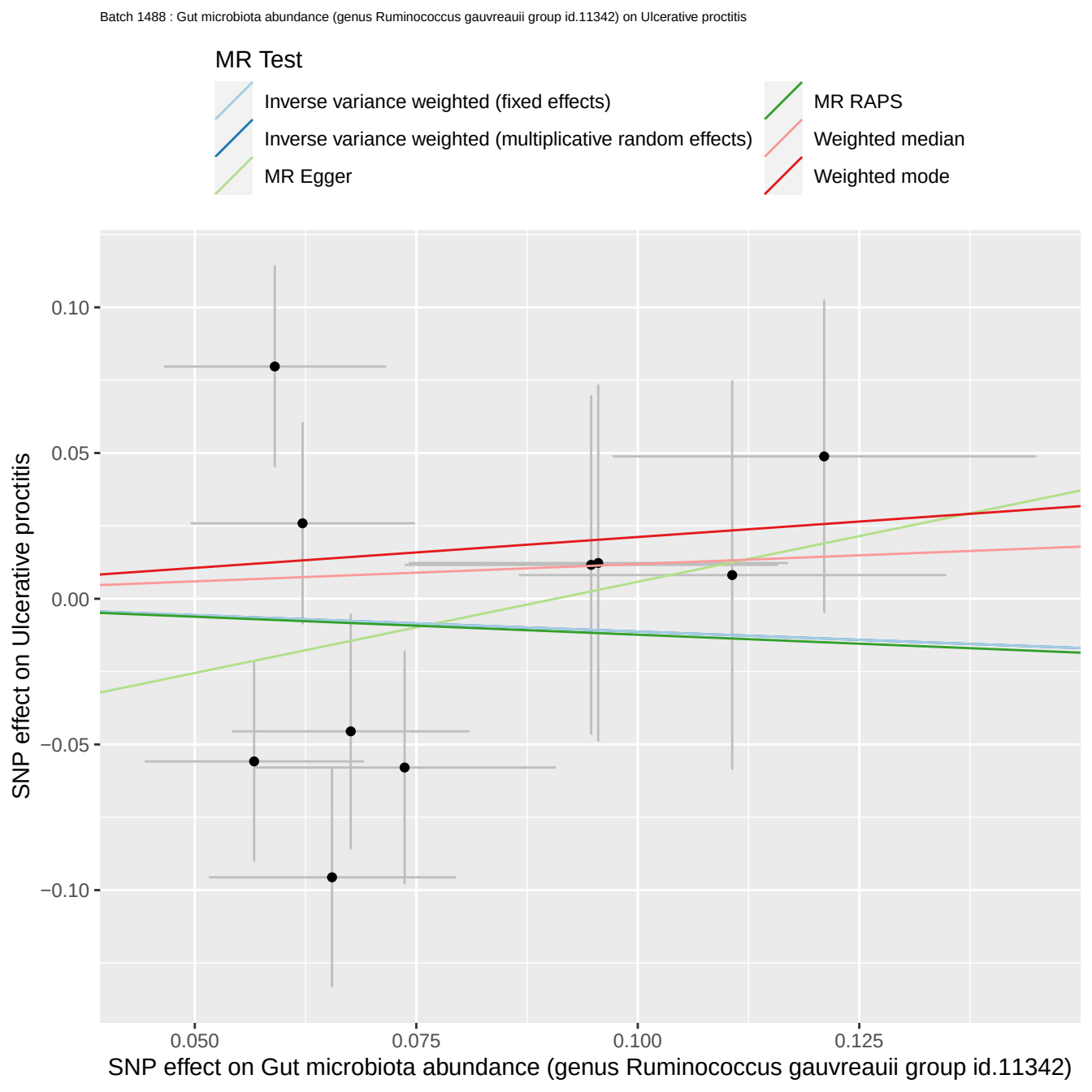

Batch 1483 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

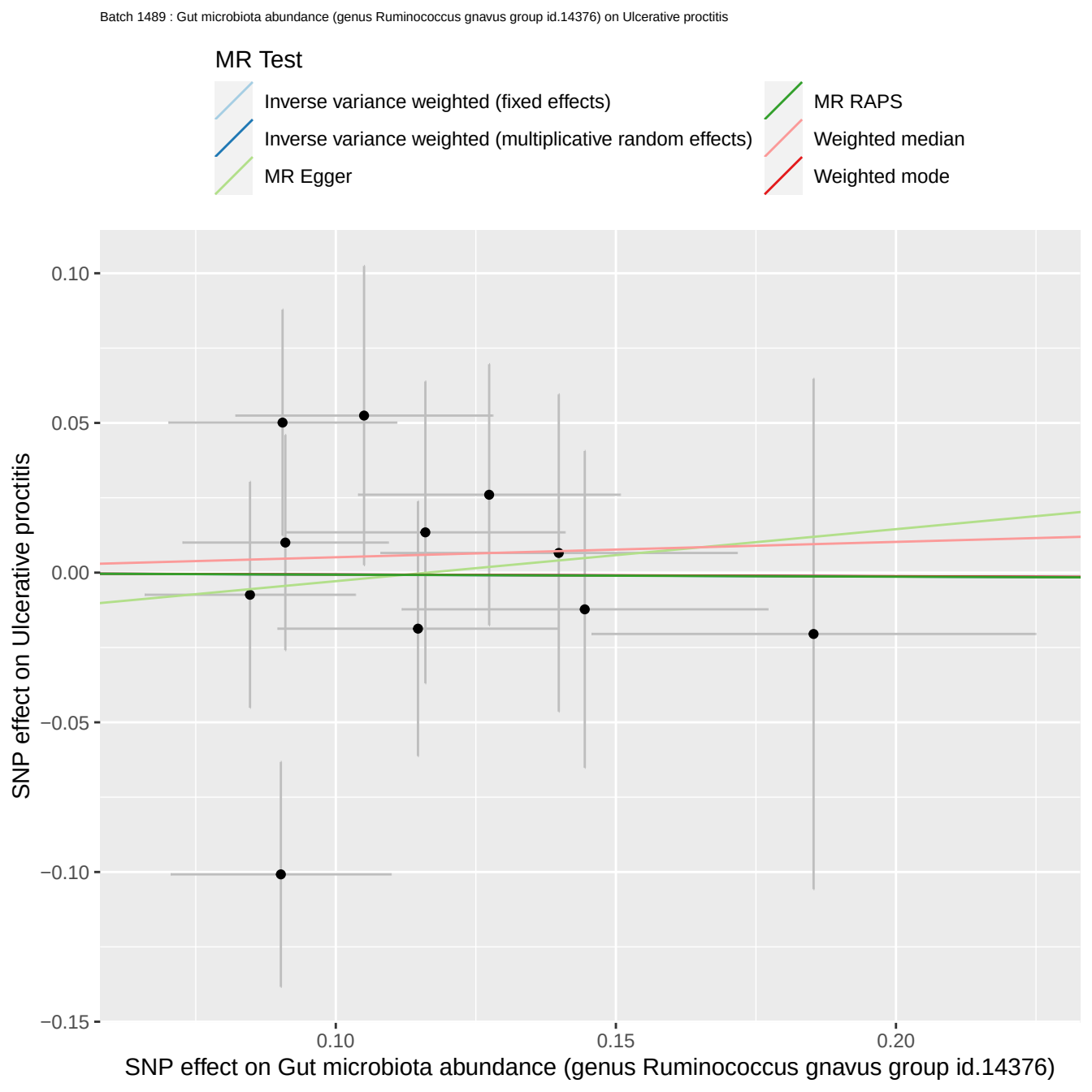

Batch 1484 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370)


Batch 1485 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

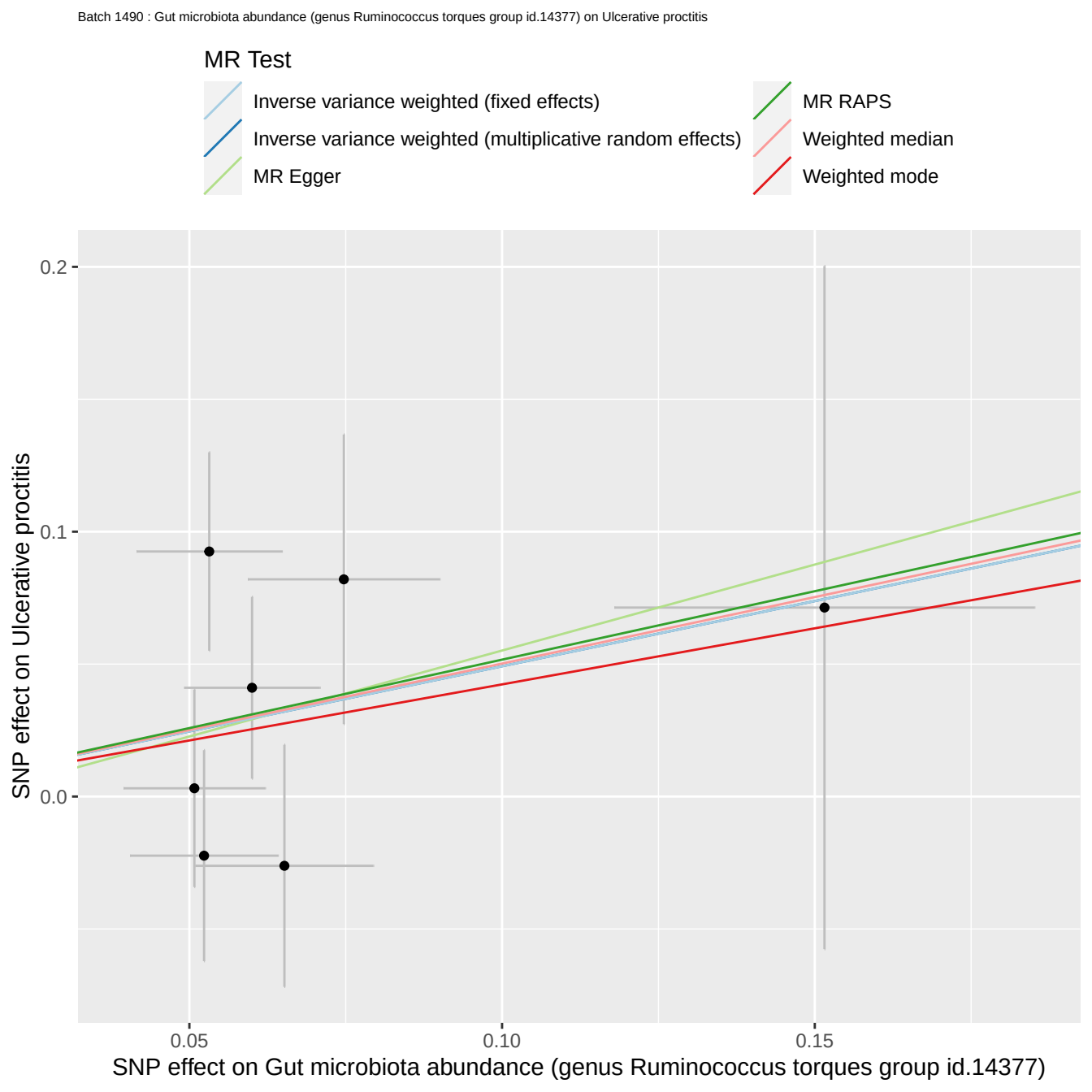

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

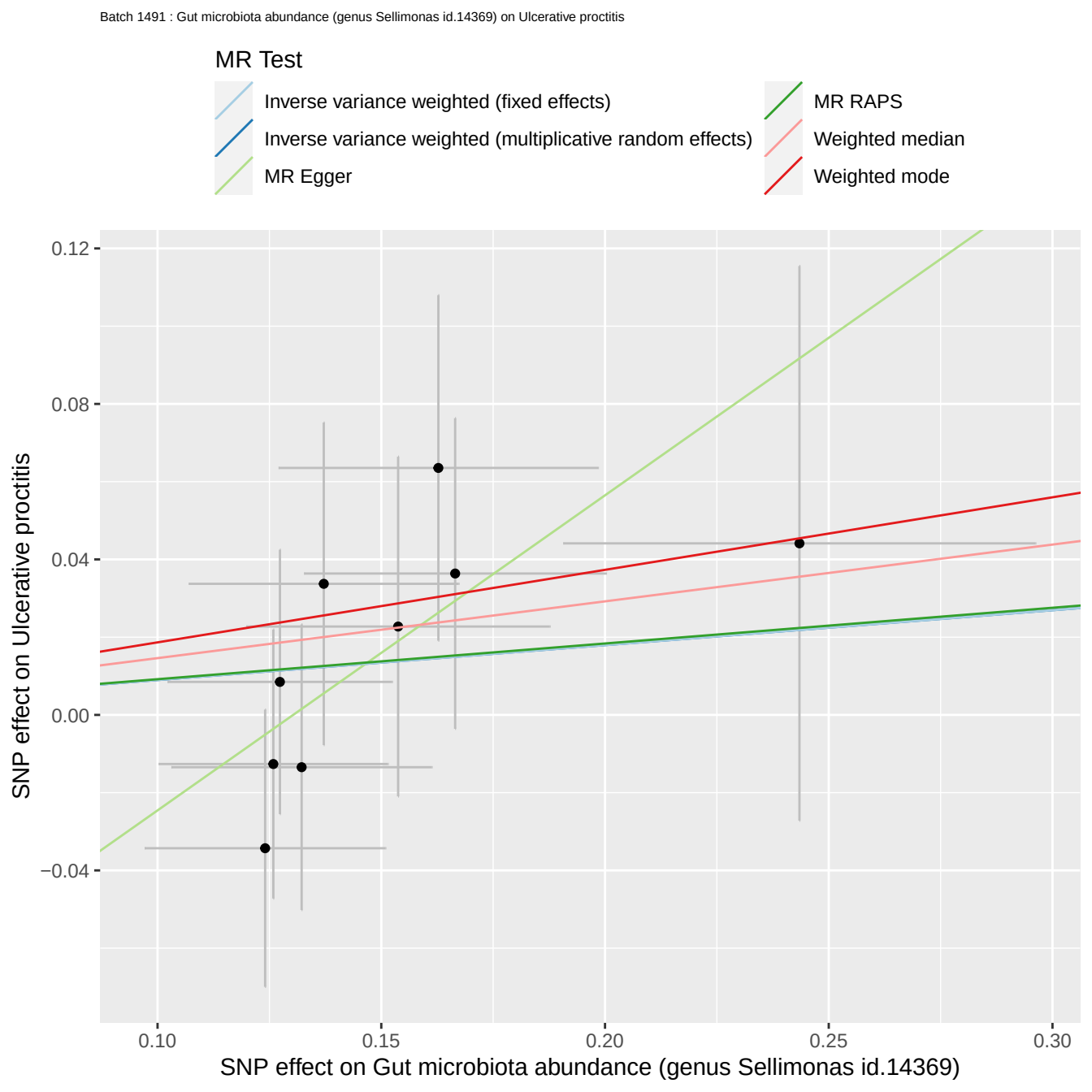

Batch 1487 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)


Batch 1488 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

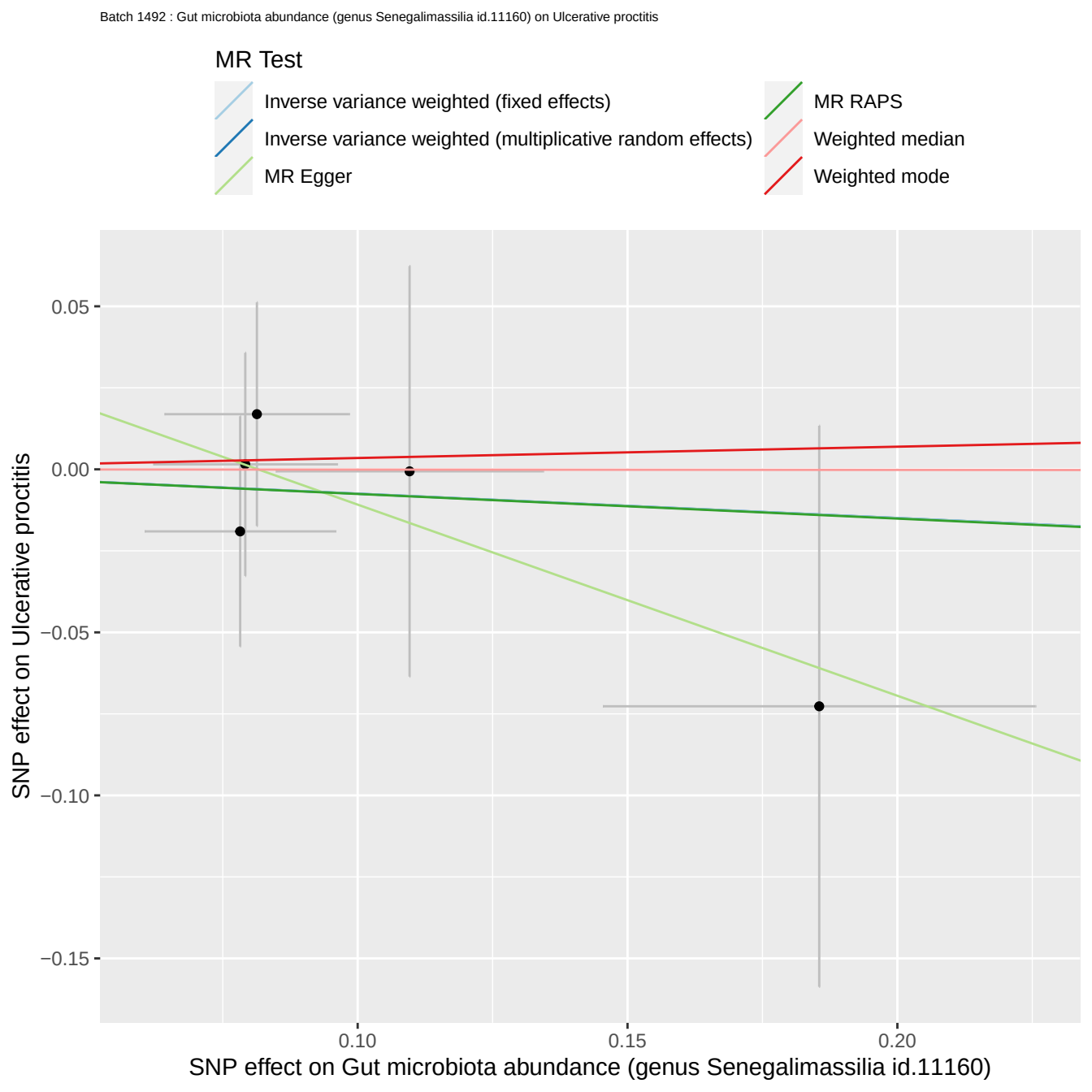

Batch 1489 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

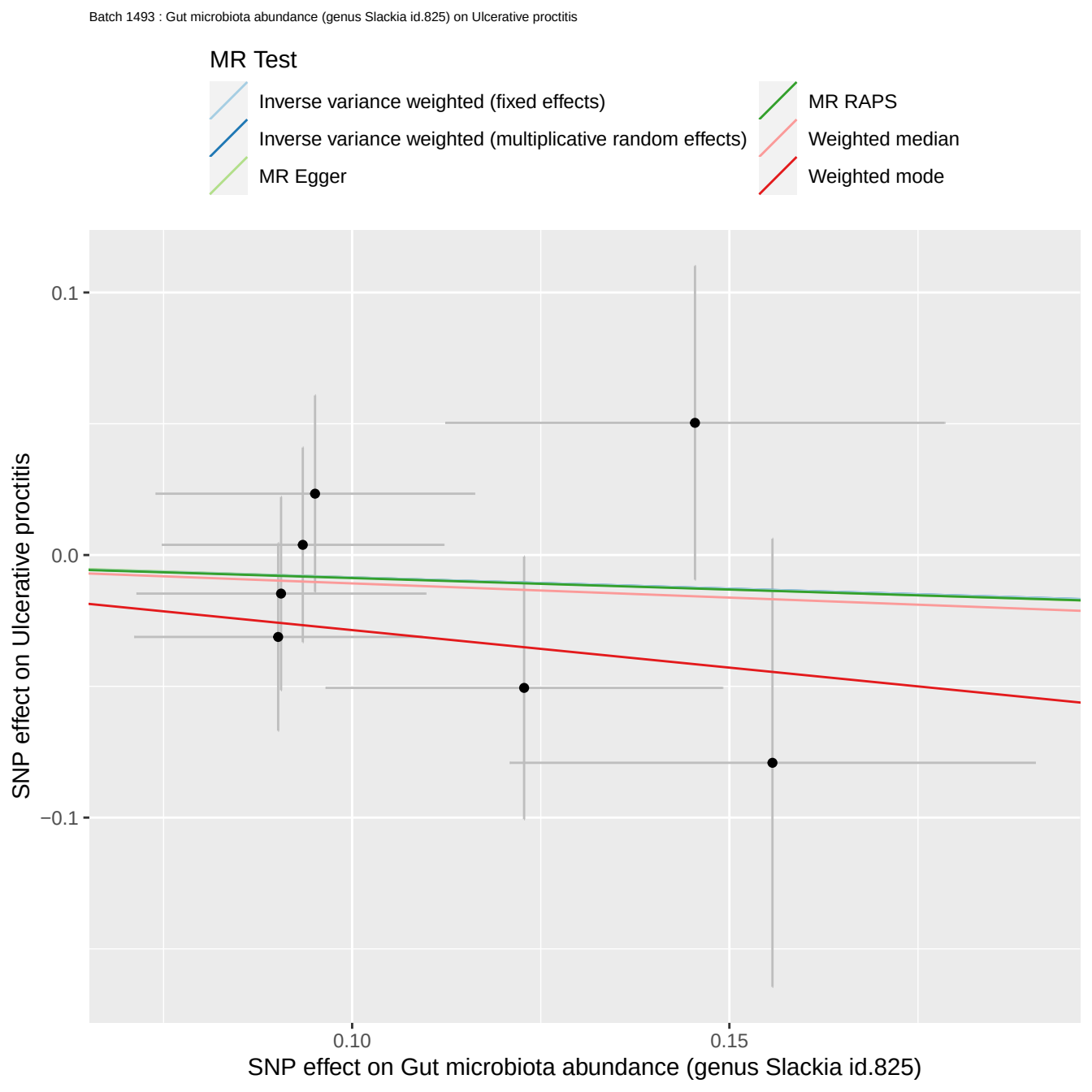
Batch 1490 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Ulcerative proctitis

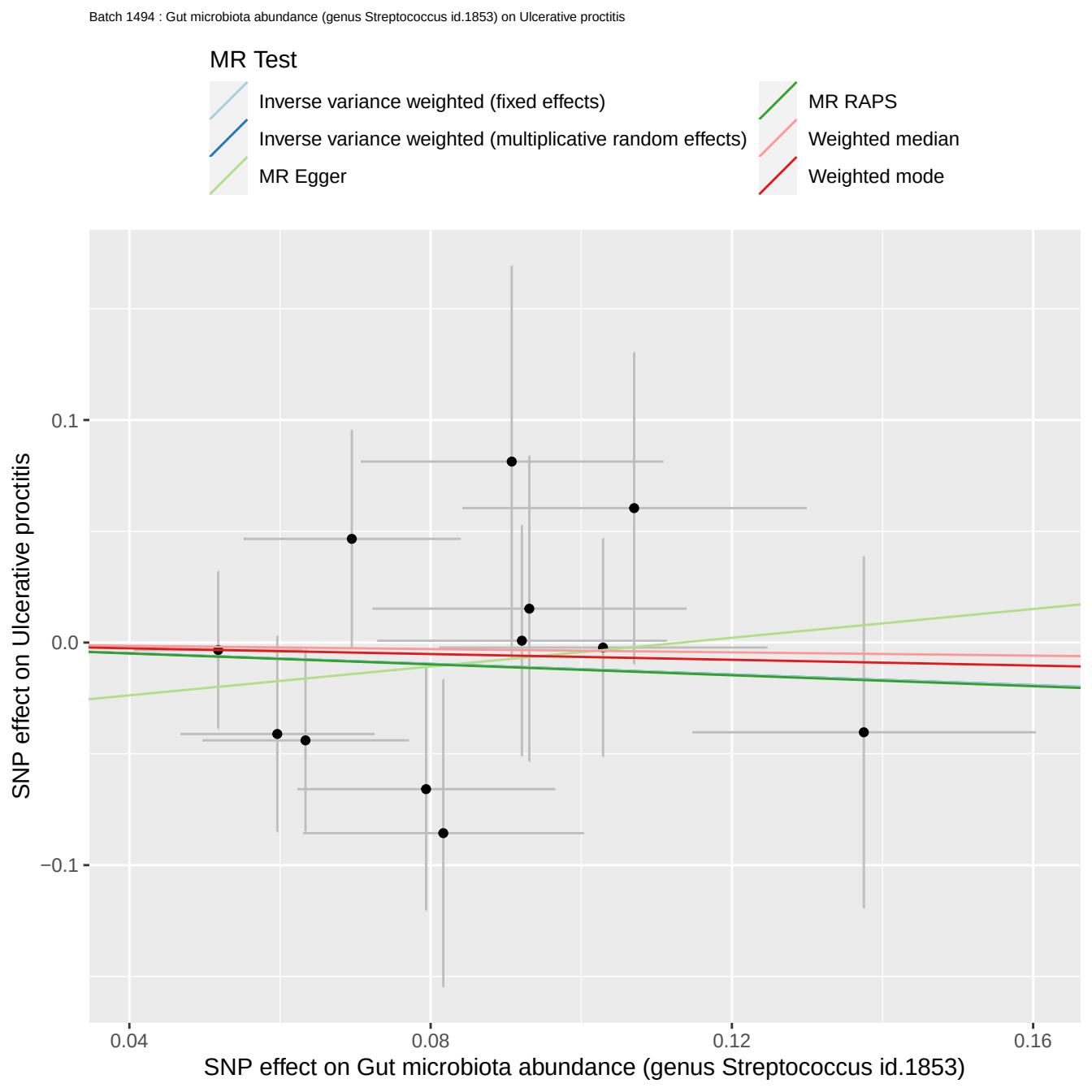


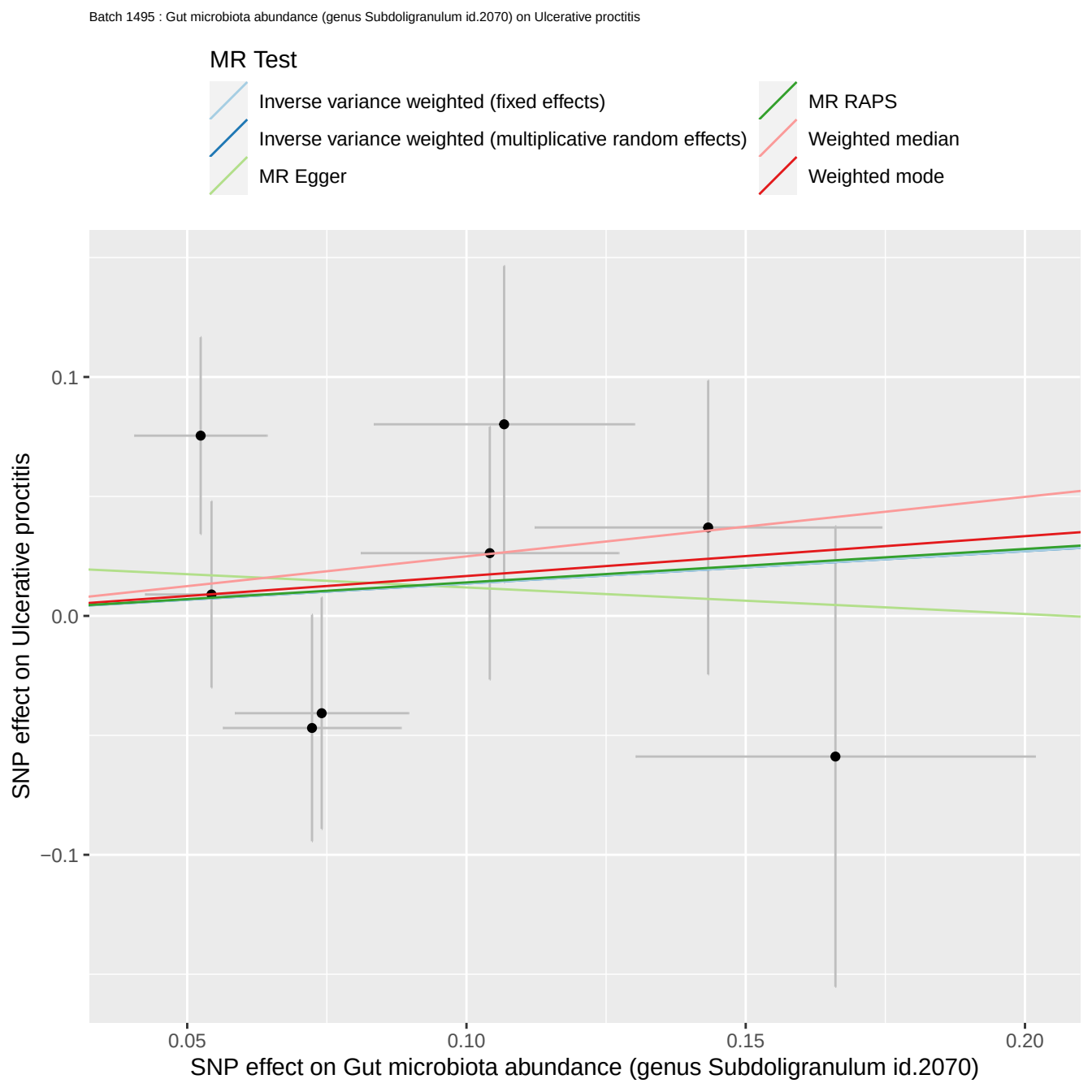

Batch 1491 : Gut microbiota abundance (genus Sellimonas id.14369) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.12
0.08
0.04
0.00
−0.04
SNP effect on Ulcerative proctitis
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

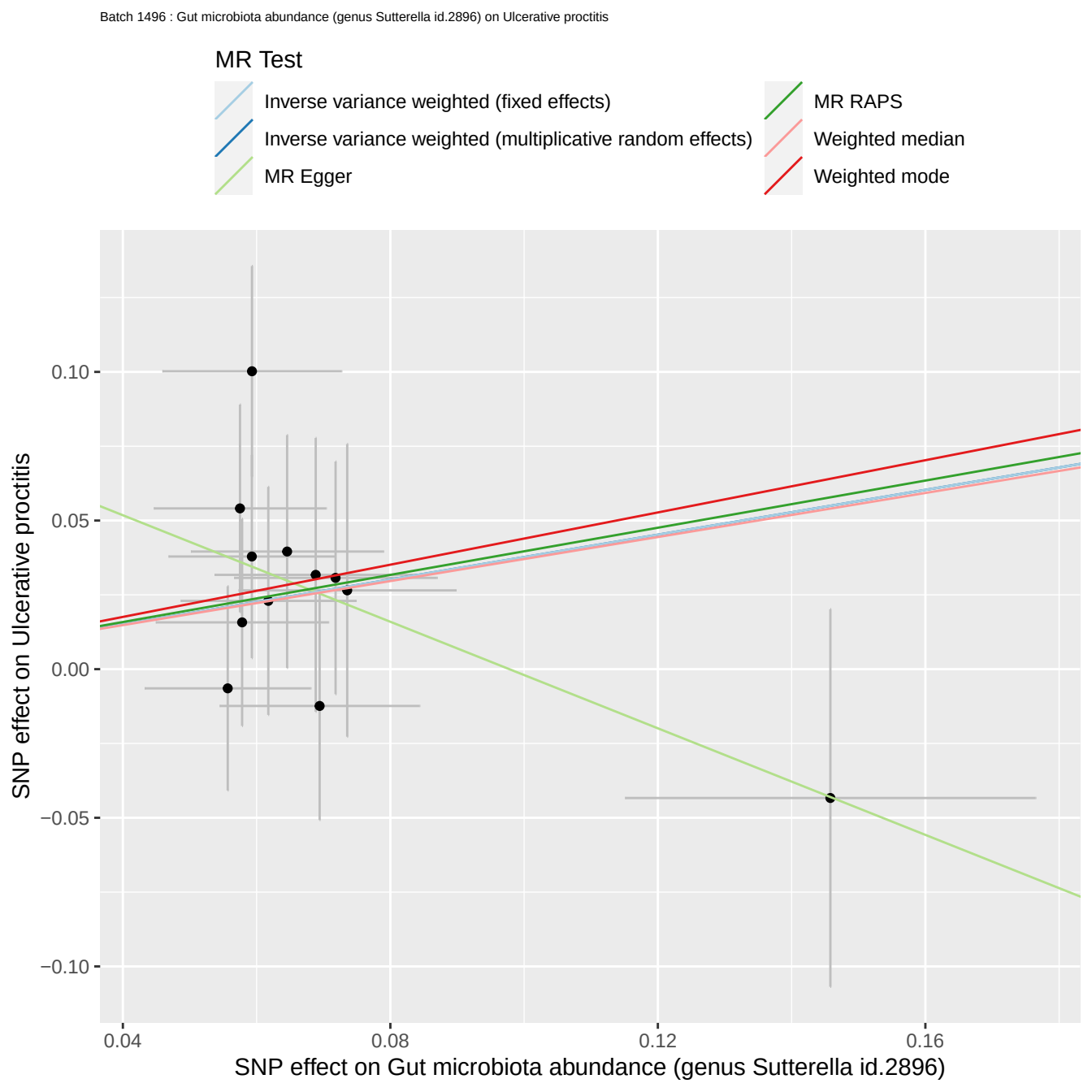
Batch 1492 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Ulcerative proctitis

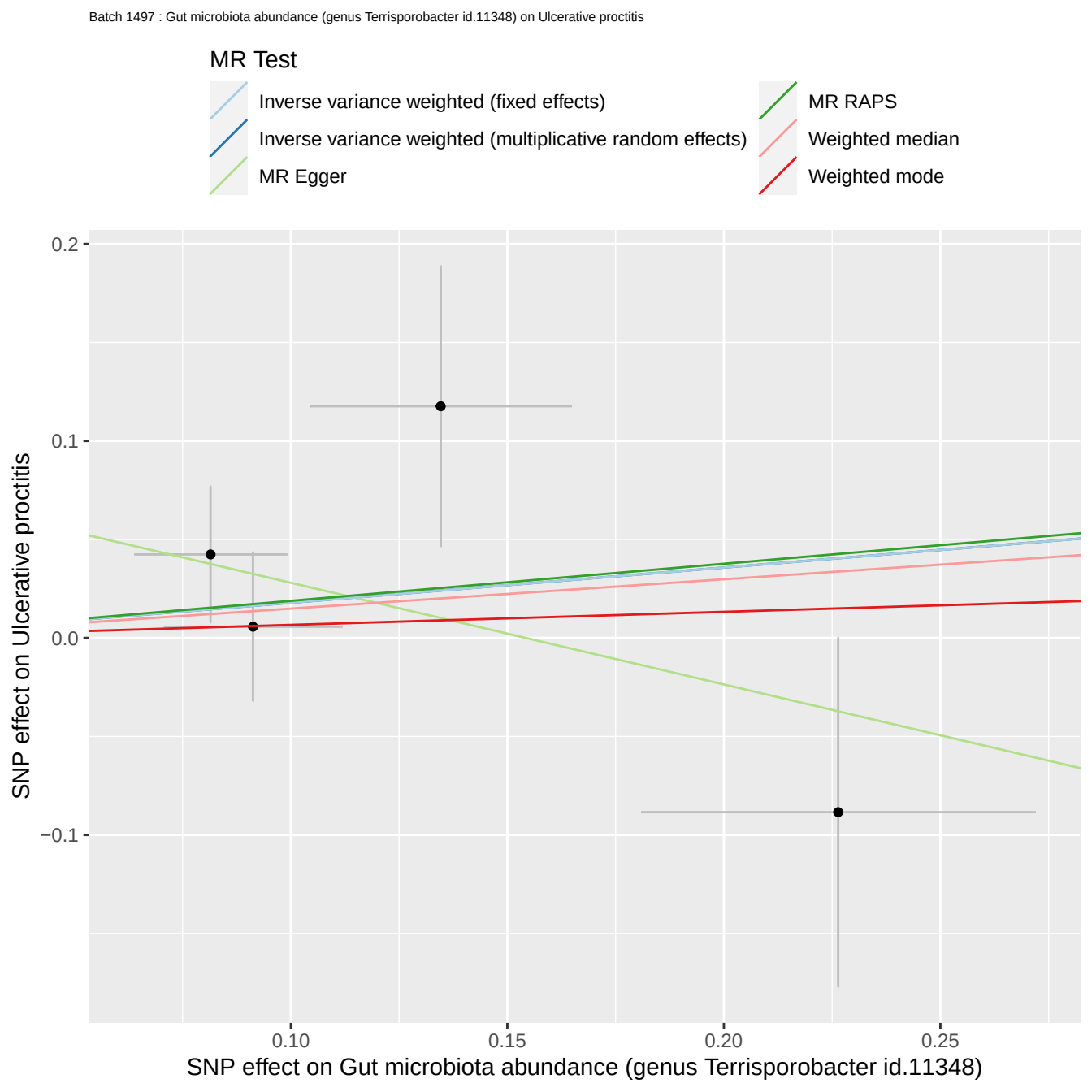


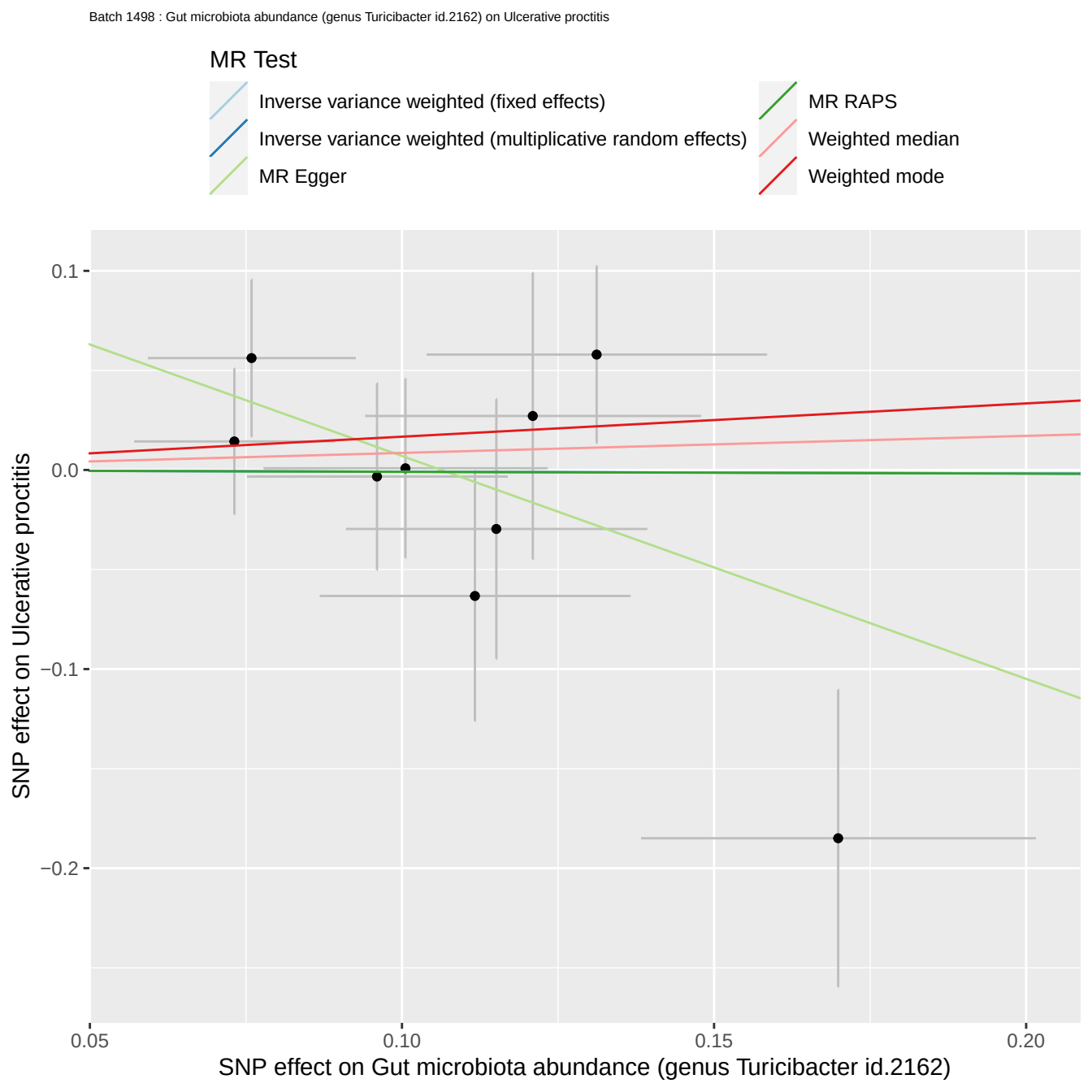

Batch 1493 : Gut microbiota abundance (genus Slackia id.825) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative proctitis
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

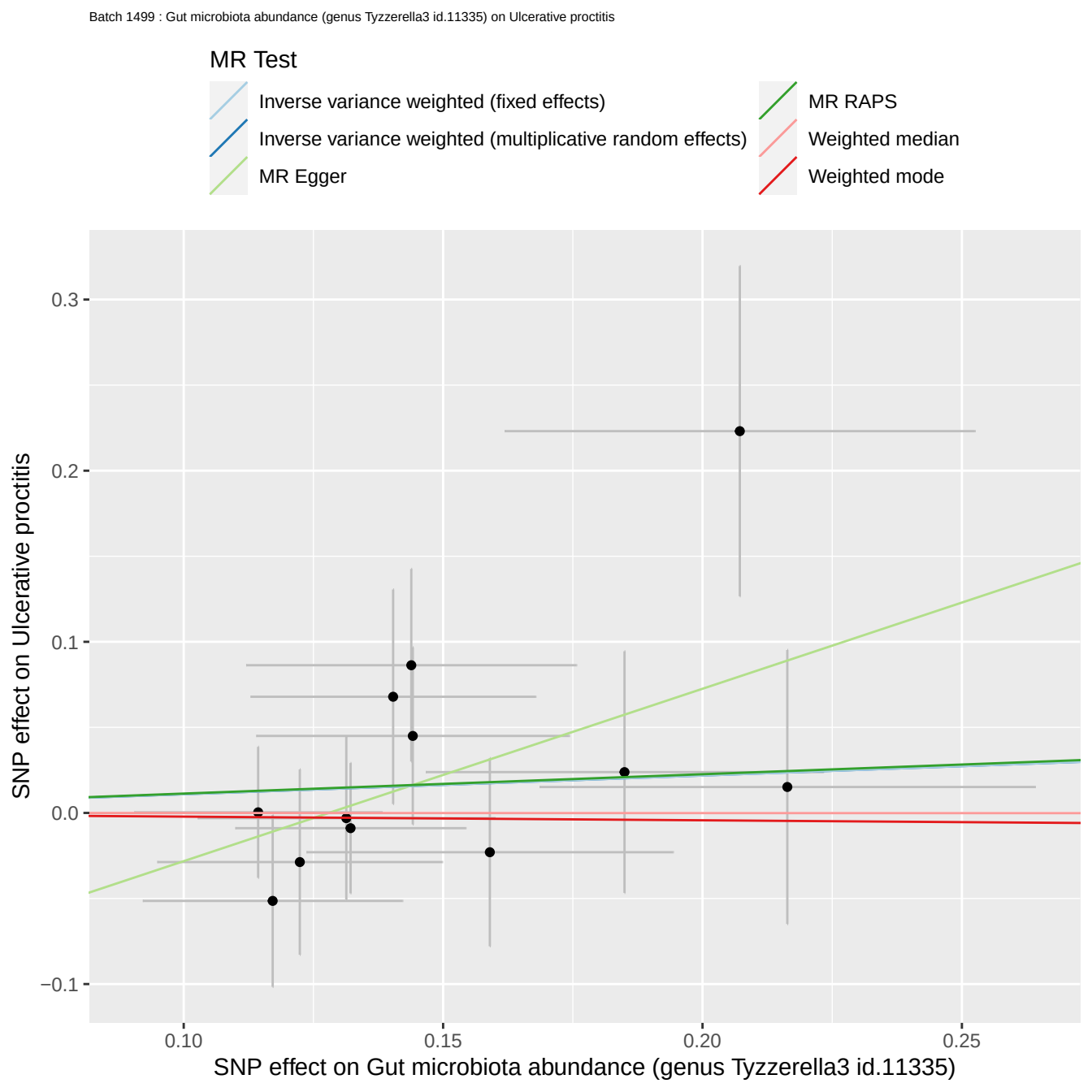

Batch 1494 : Gut microbiota abundance (genus Streptococcus id.1853) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)

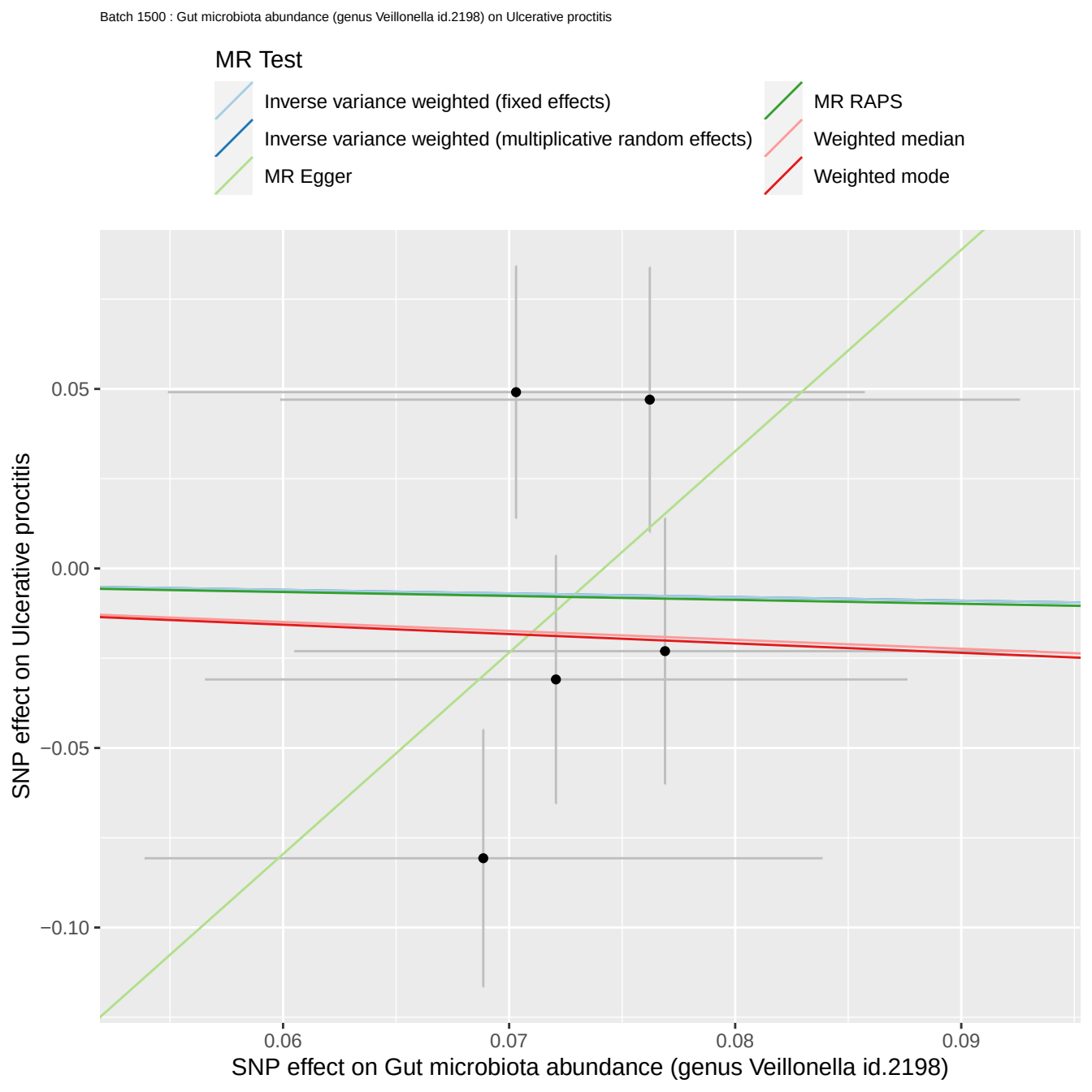

Batch 1495 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

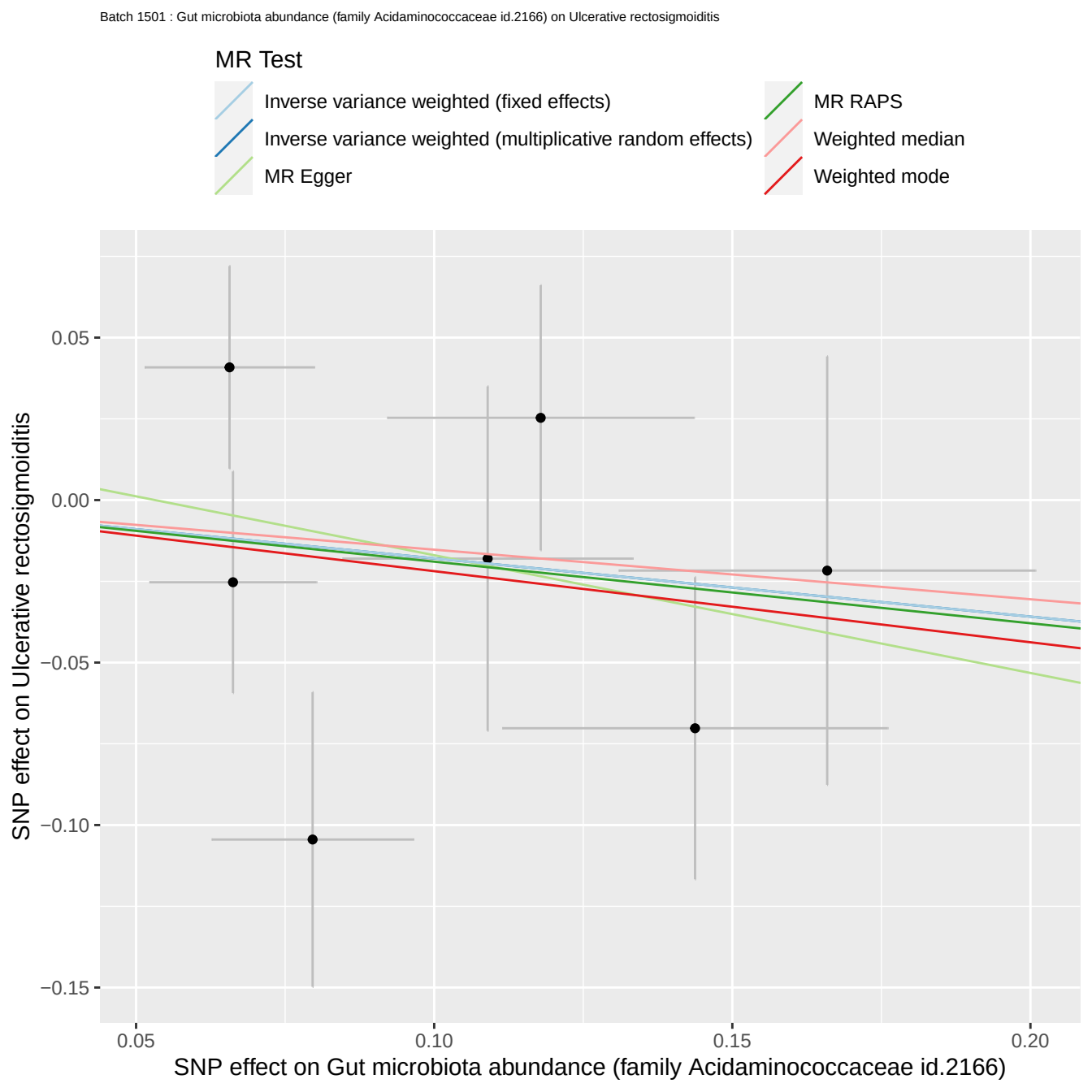

Batch 1496 : Gut microbiota abundance (genus Sutterella id.2896) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

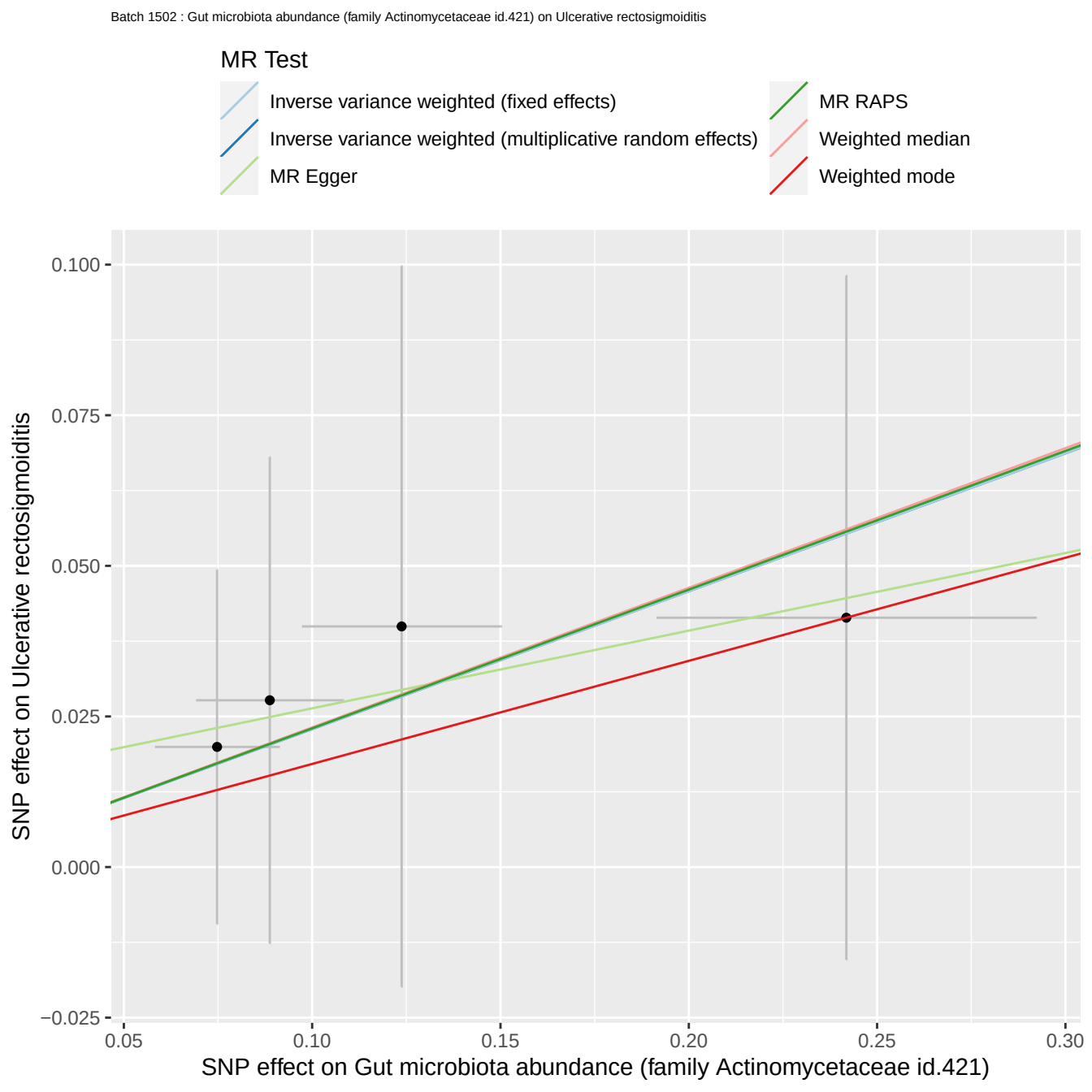

Batch 1497 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Terrisporobacter id.11348)

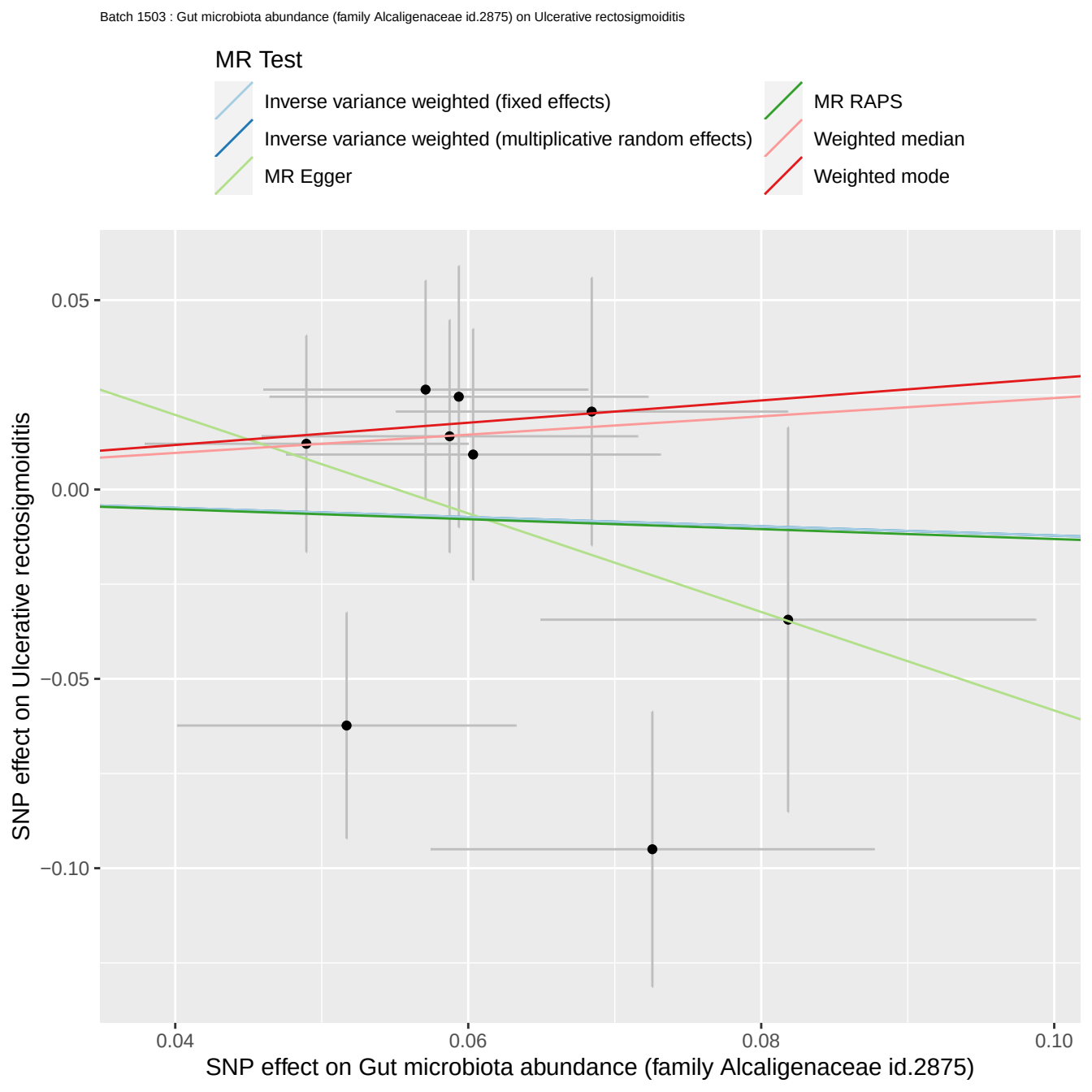

Batch 1498 : Gut microbiota abundance (genus Turicibacter id.2162) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative proctitis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)


Batch 1499 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.3
0.2
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)

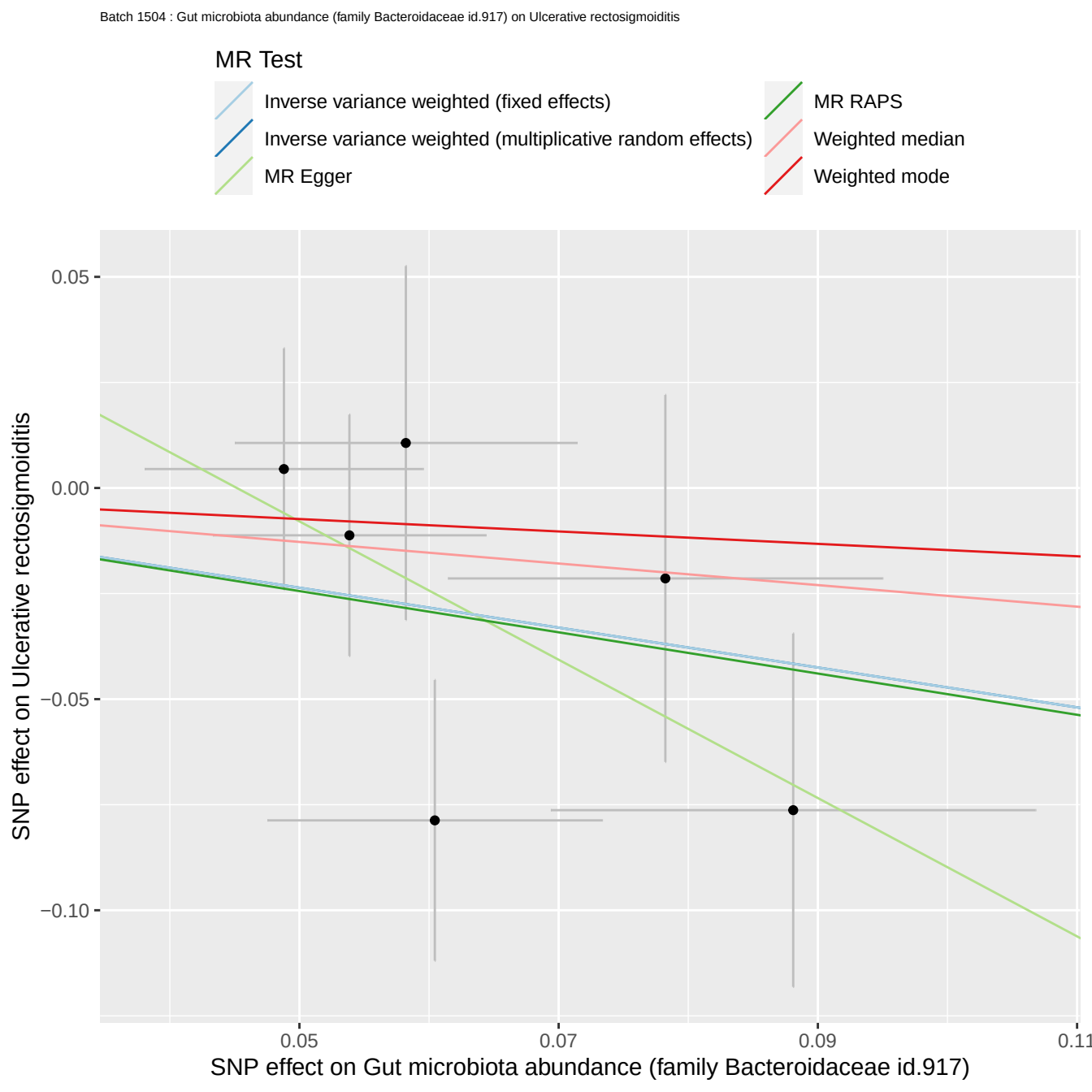

Batch 1500 : Gut microbiota abundance (genus Veillonella id.2198) on Ulcerative proctitis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative proctitis
0.05
0.00
−0.05
−0.10
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)

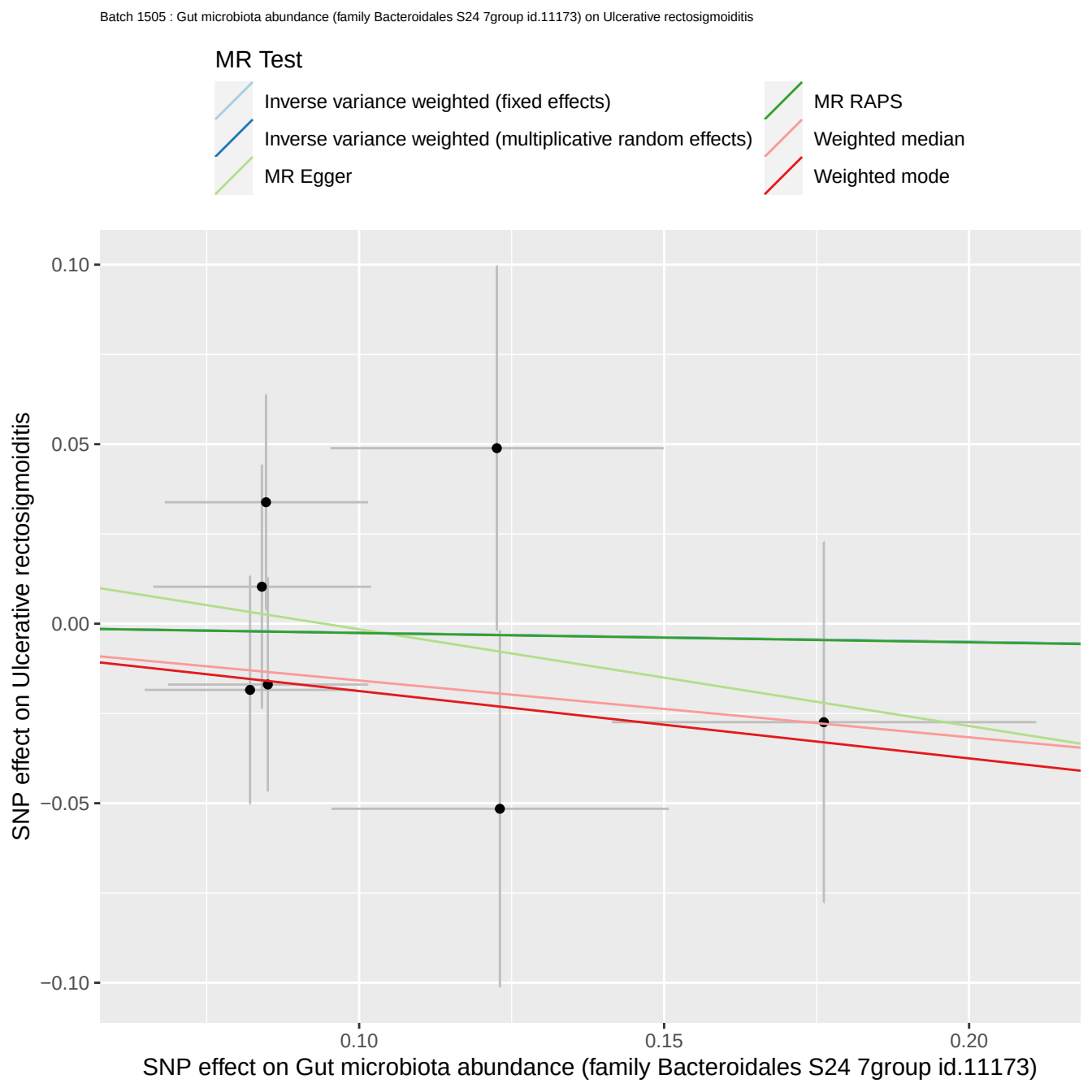

Batch 1501 : Gut microbiota abundance (family Acidaminococcaceae id.2166) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Acidaminococcaceae id.2166)

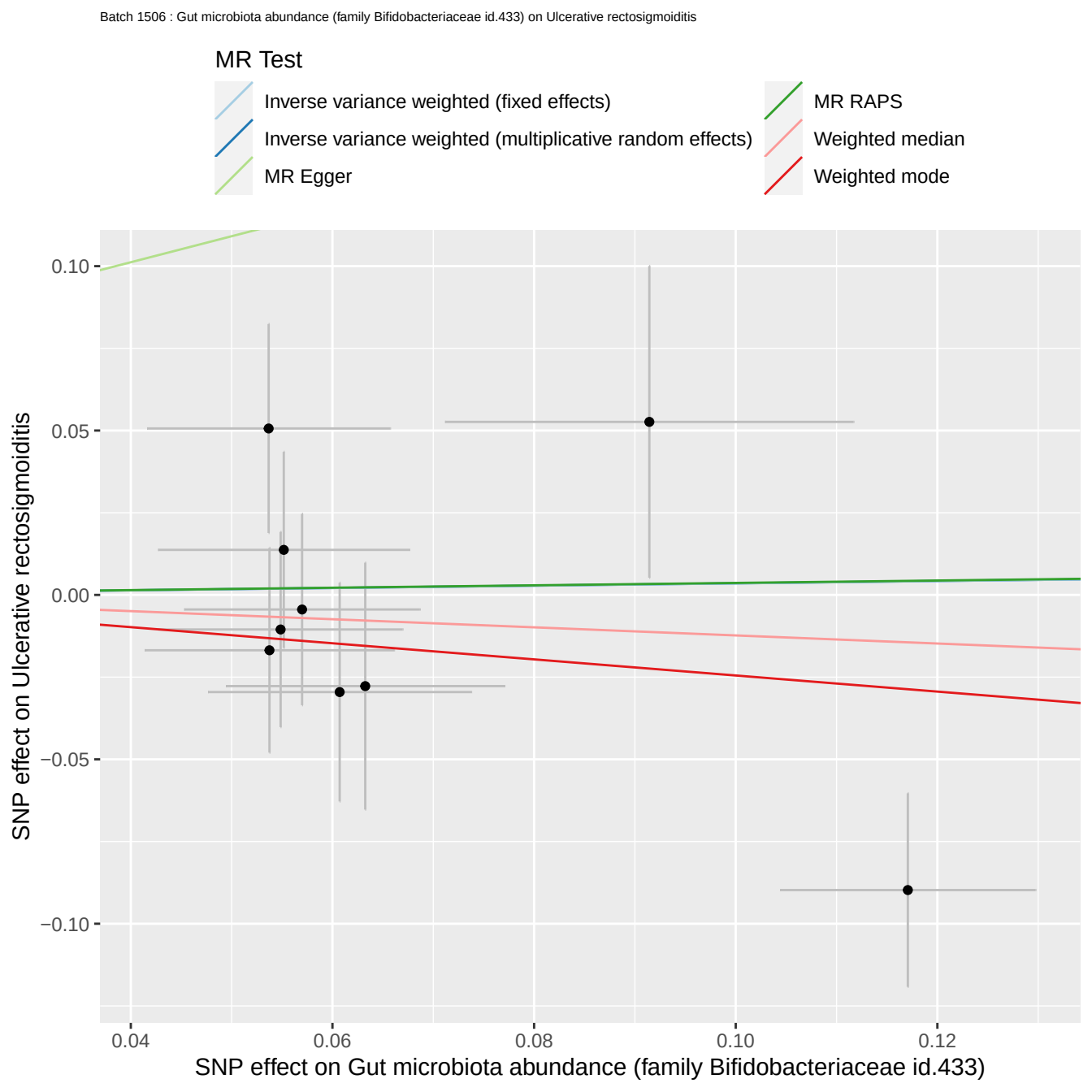

Batch 1502 : Gut microbiota abundance (family Actinomycetaceae id.421) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.100
0.075
0.050
0.025
0.000
−0.025
0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Actinomycetaceae id.421)

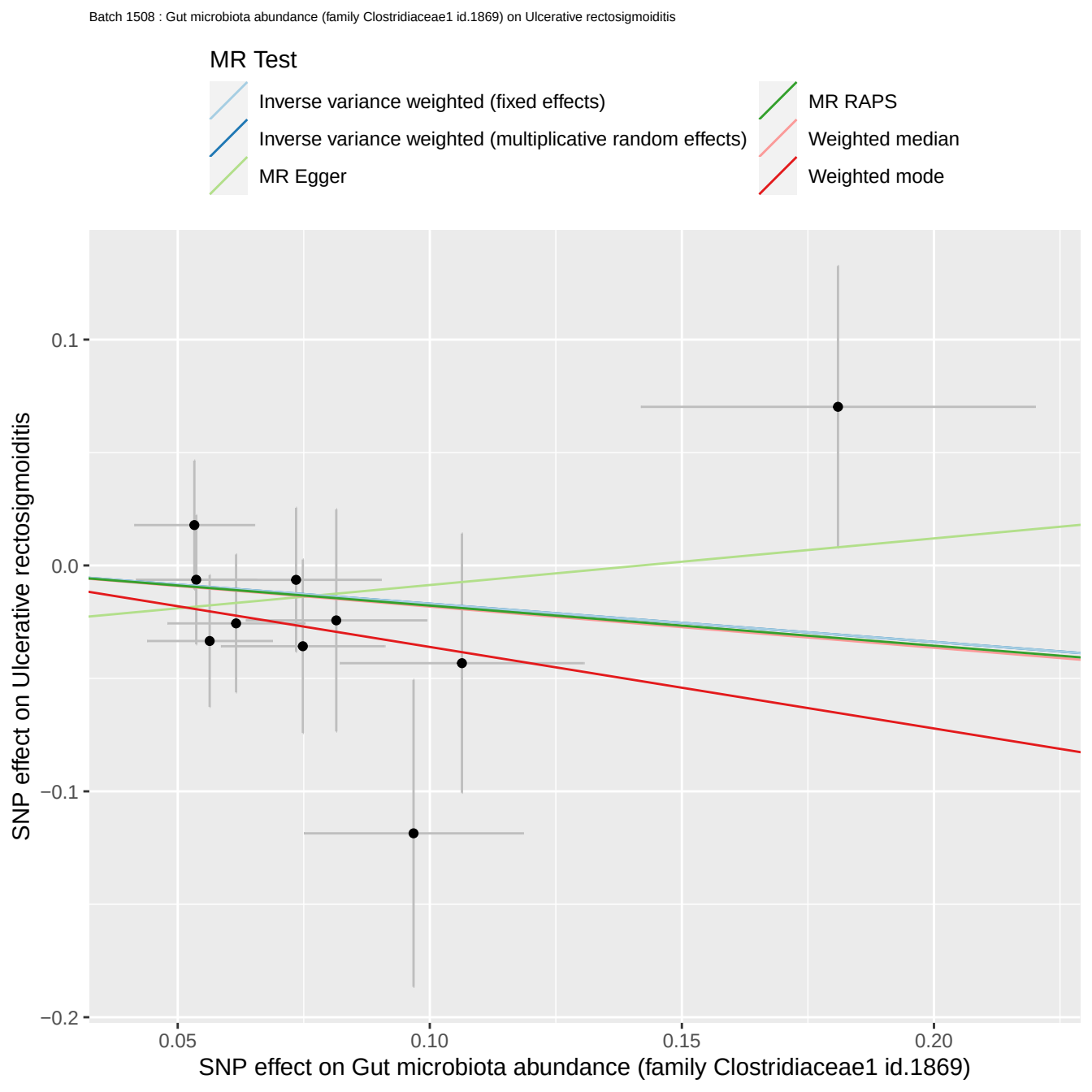

Batch 1503 : Gut microbiota abundance (family Alcaligenaceae id.2875) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Alcaligenaceae id.2875)

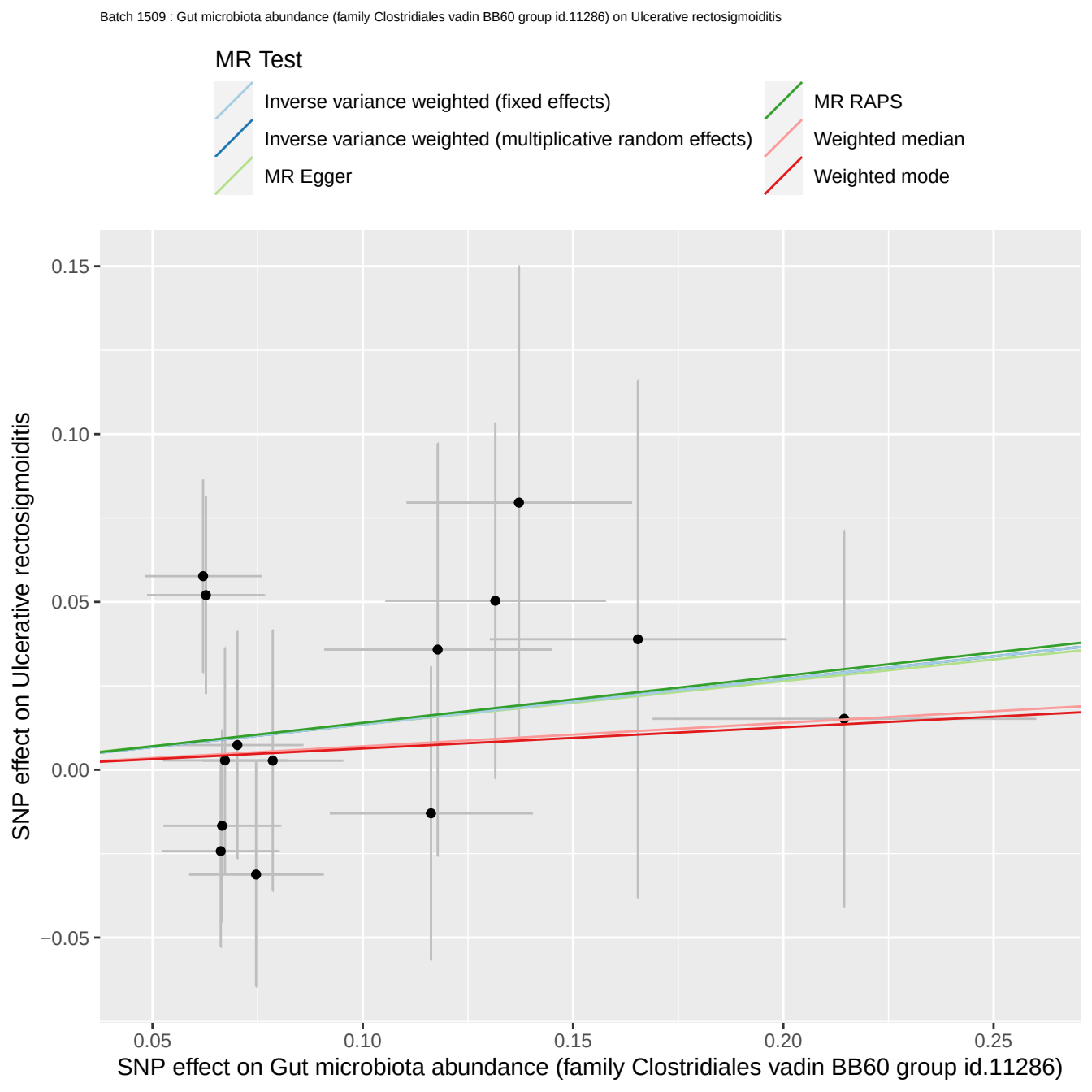
Batch 1504 : Gut microbiota abundance (family Bacteroidaceae id.917) on Ulcerative rectosigmoiditis

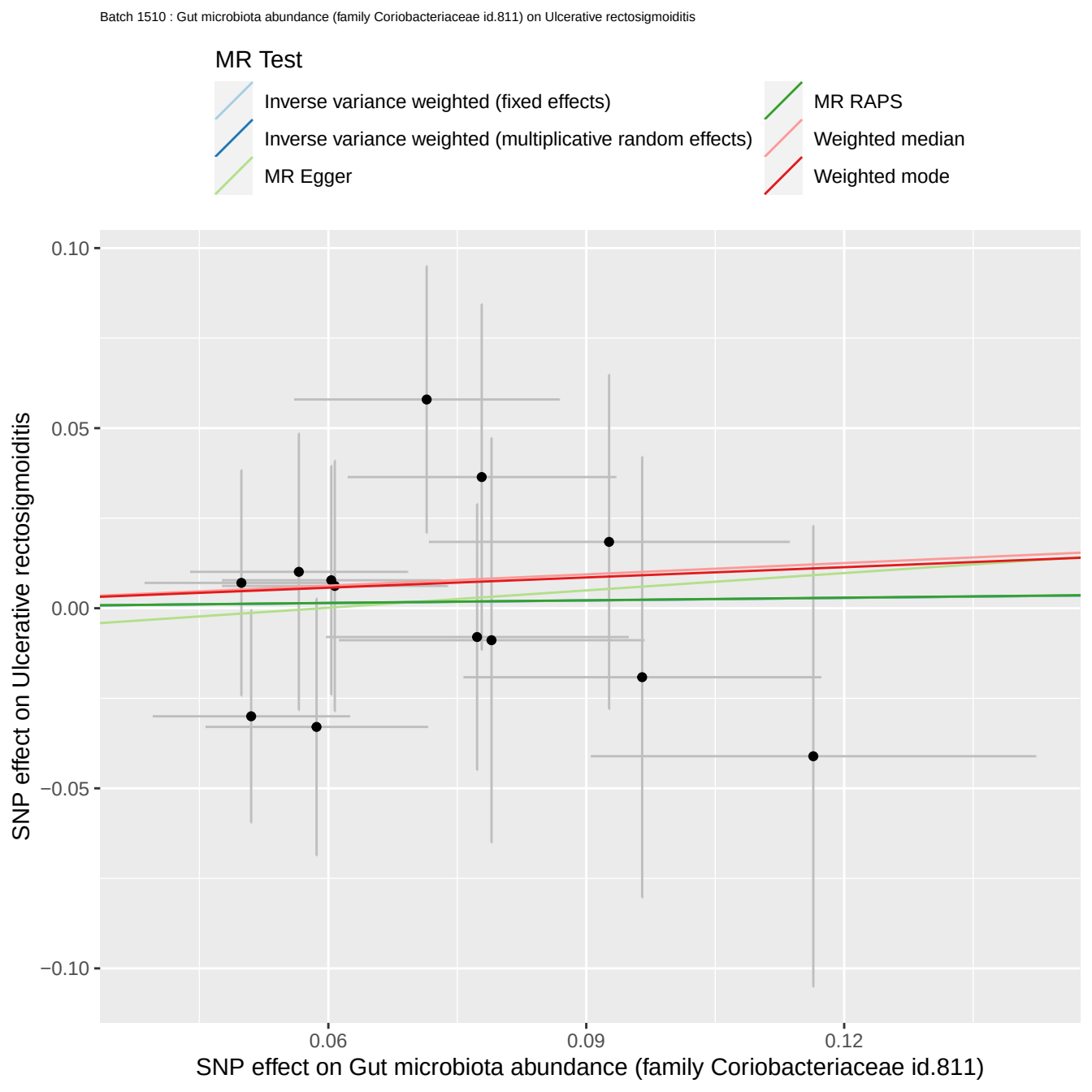


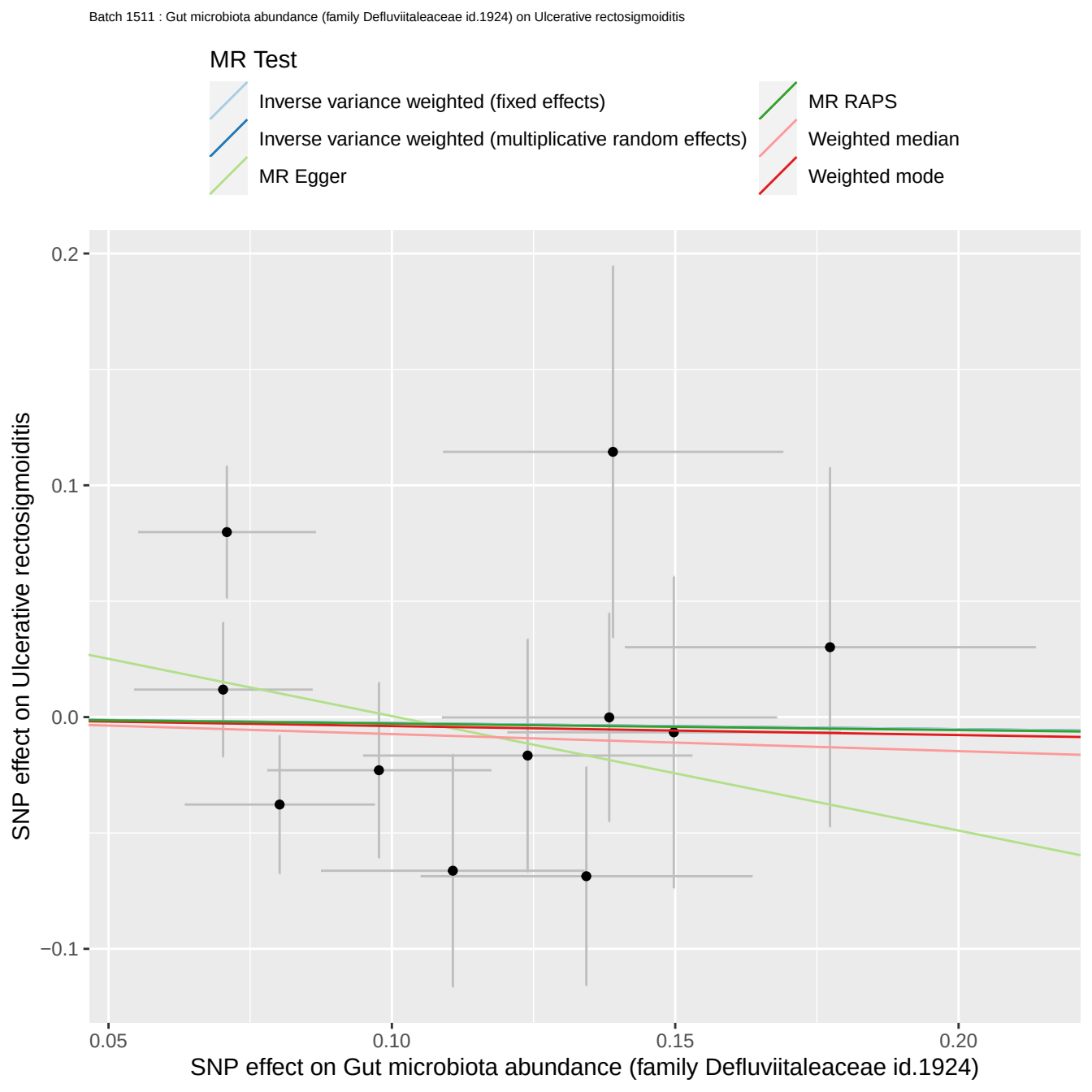

Batch 1505 : Gut microbiota abundance (family Bacteroidales S24 7group id.11173) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Bacteroidales S24 7group id.11173)


Batch 1506 : Gut microbiota abundance (family Bifidobacteriaceae id.433) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (family Bifidobacteriaceae id.433)

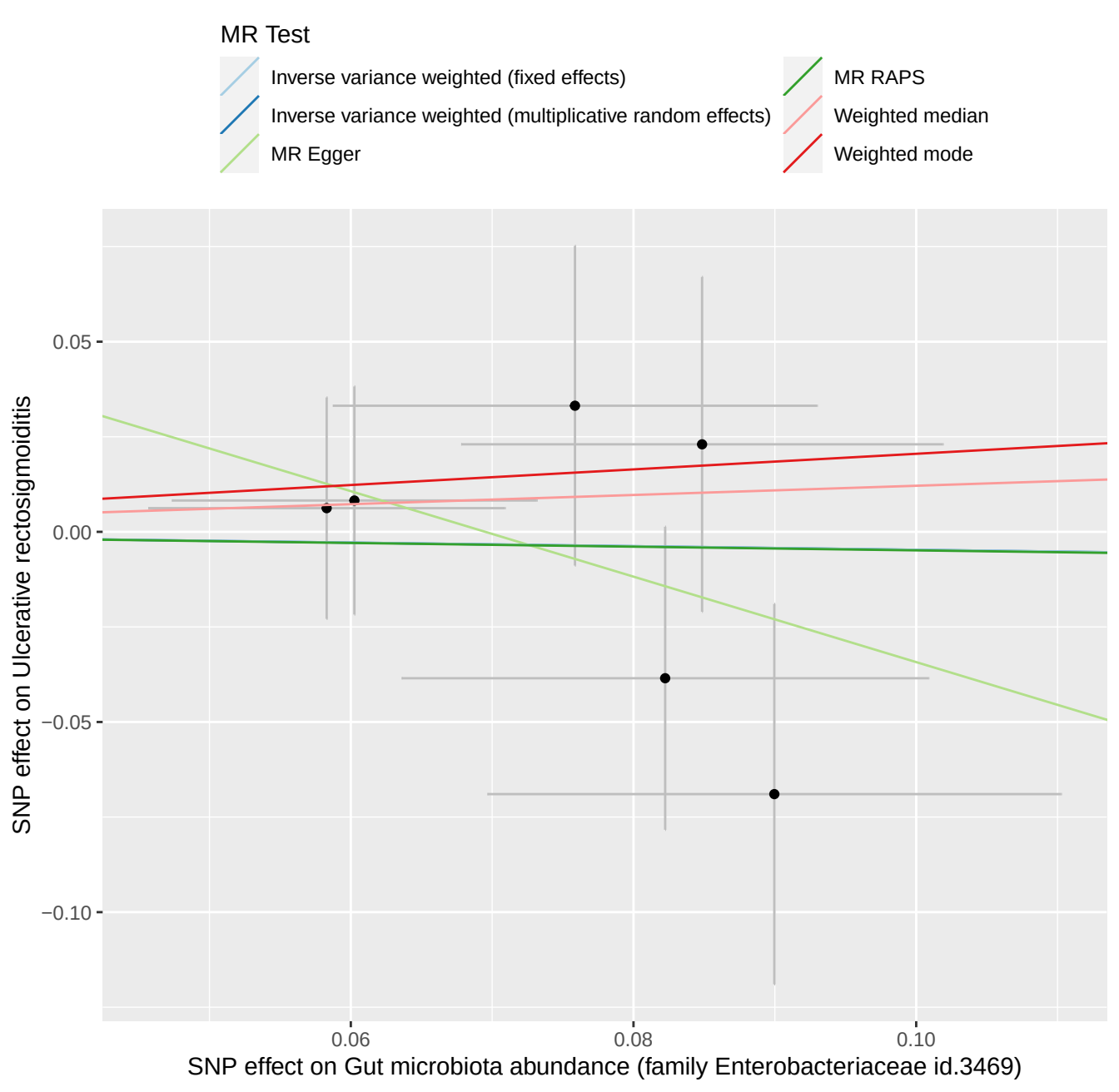

Batch 1508 : Gut microbiota abundance (family Clostridiaceae1 id.1869) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Clostridiaceae1 id.1869)

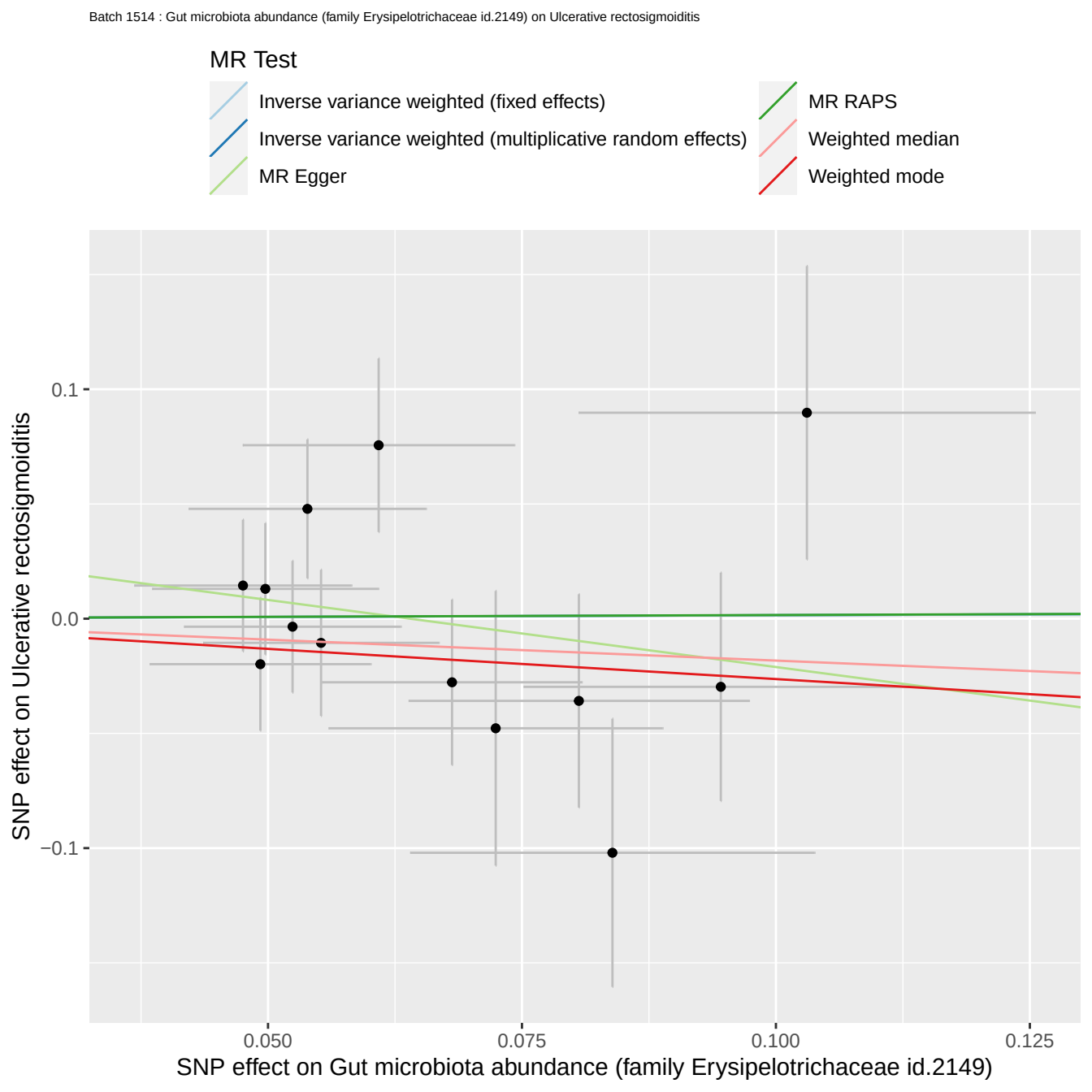

Batch 1509 : Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.15
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Clostridiales vadin BB60 group id.11286)

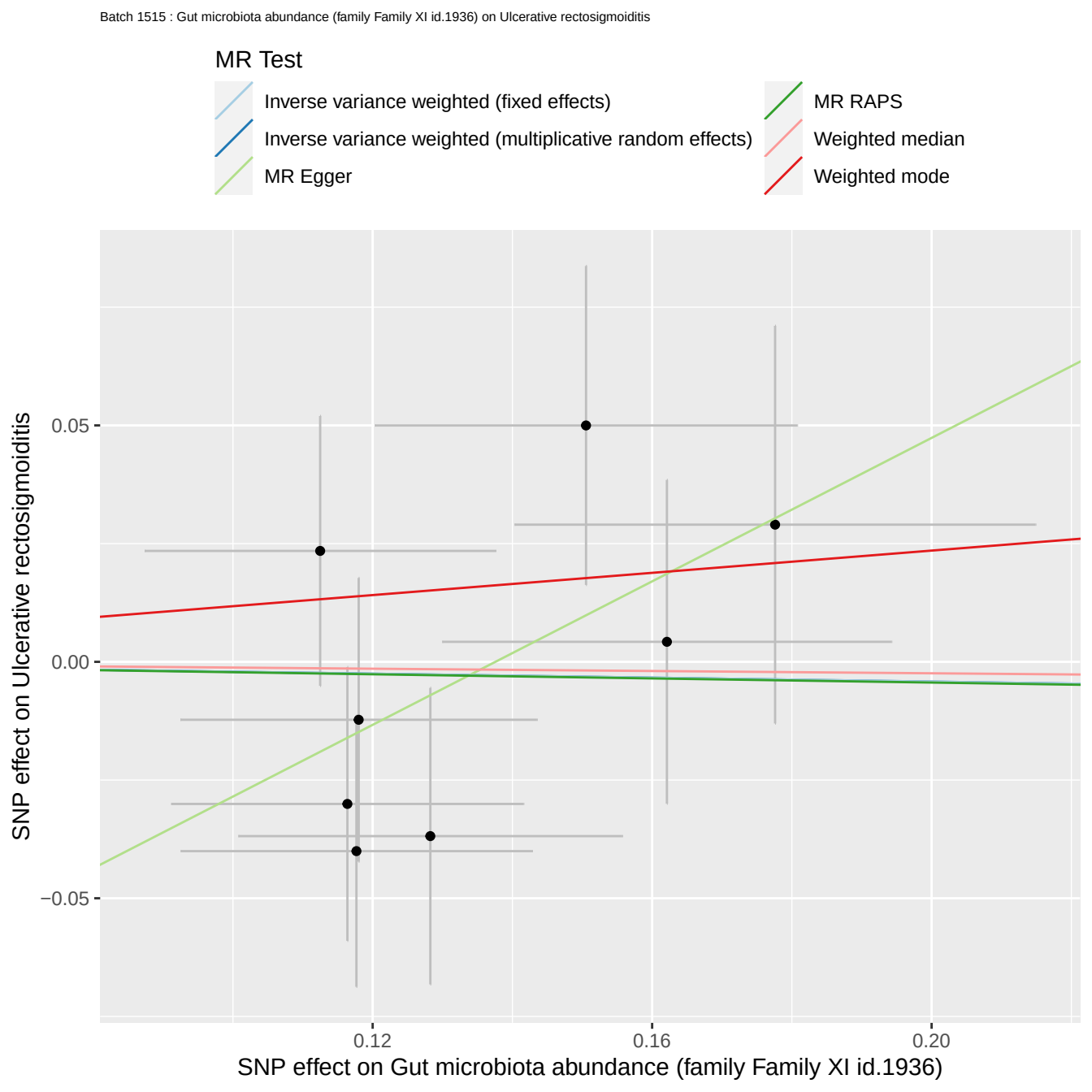

Batch 1510 : Gut microbiota abundance (family Coriobacteriaceae id.811) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Coriobacteriaceae id.811)


Batch 1511 : Gut microbiota abundance (family Defluviitaleaceae id.1924) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (family Defluviitaleaceae id.1924)

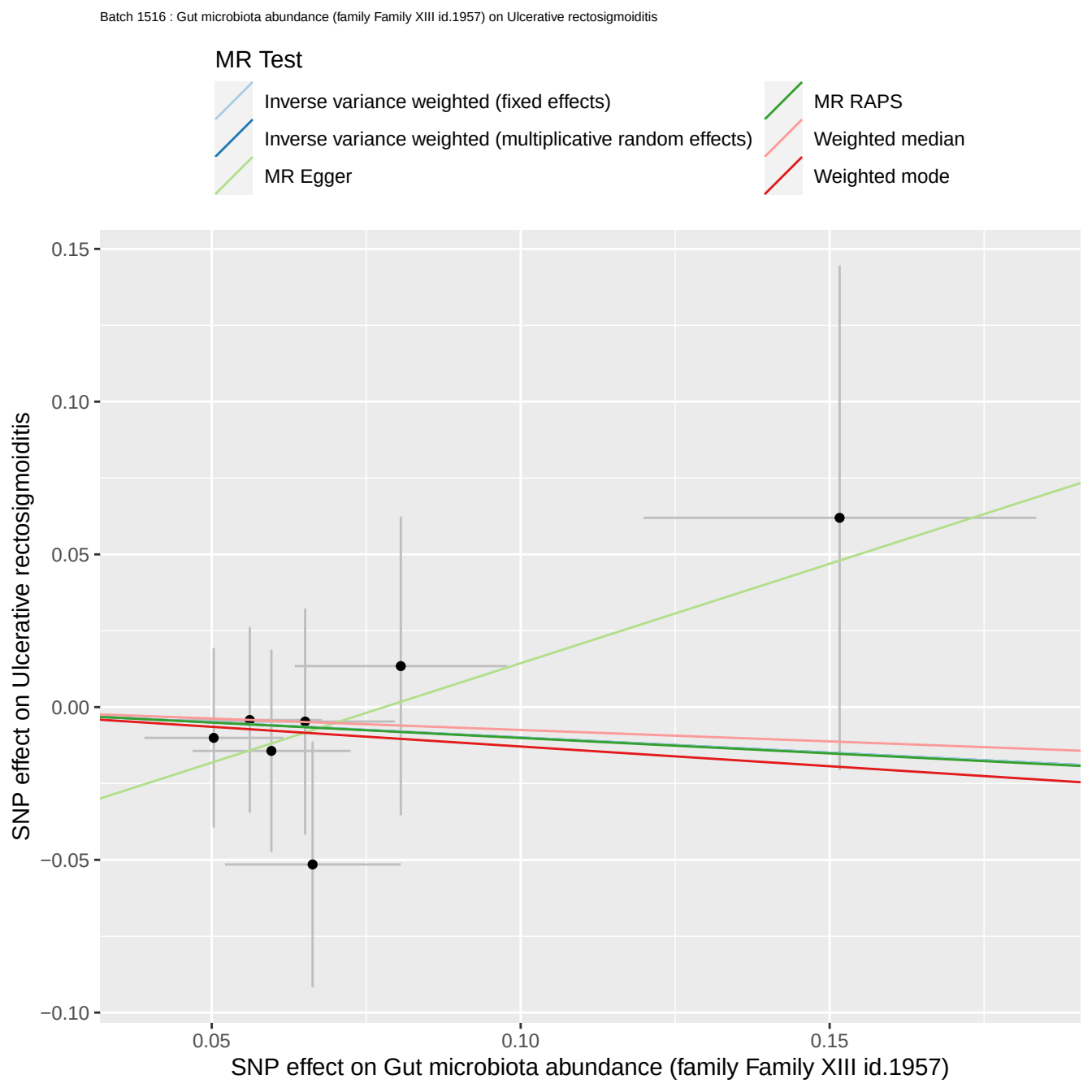
Batch 1512 : Gut microbiota abundance (family Desulfovibrionaceae id.3169) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
SNP effect on Gut microbiota abundance (family Desulfovibrionaceae id.3169)

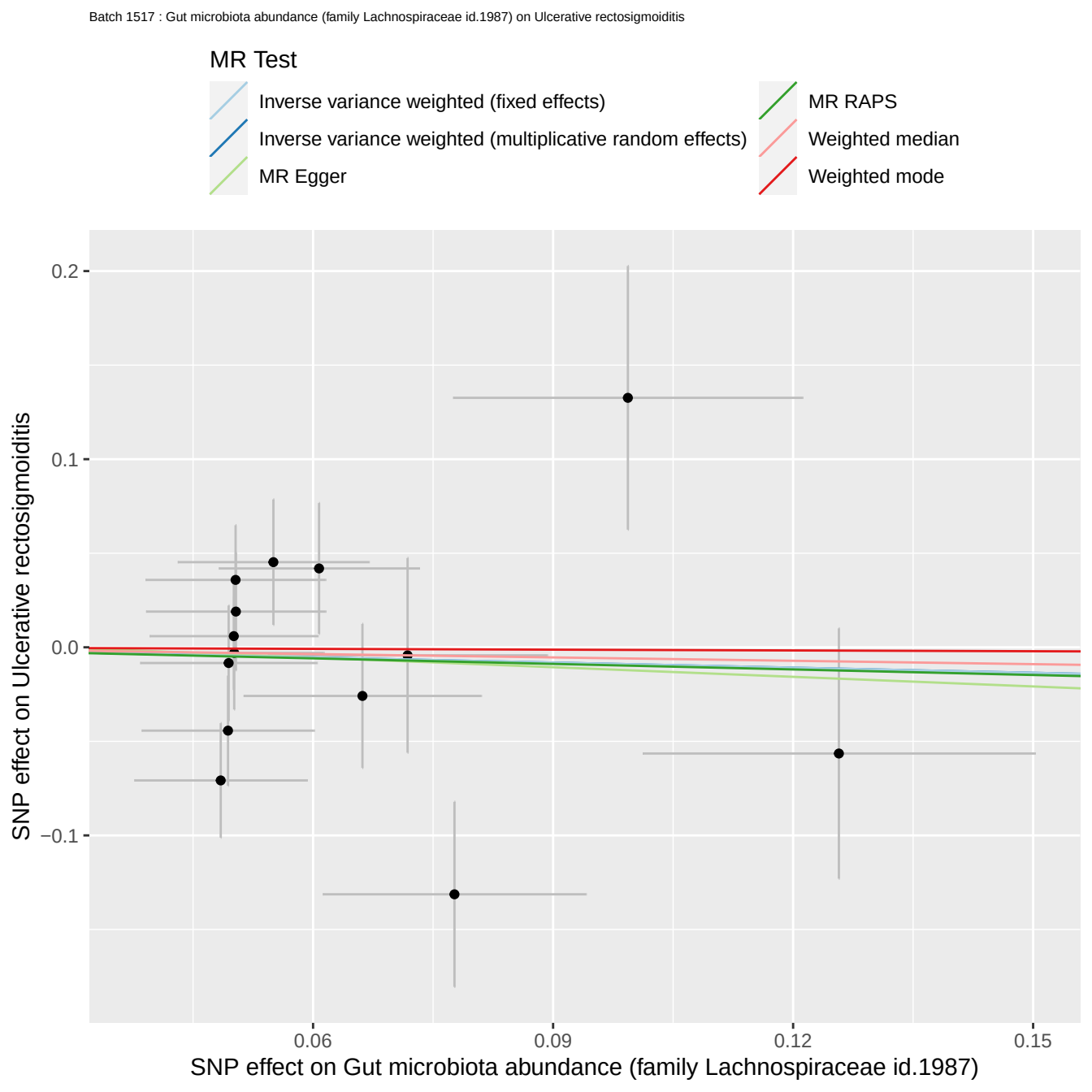

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (family Enterobacteriaceae id.3469)


Batch 1514 : Gut microbiota abundance (family Erysipelotrichaceae id.2149) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Erysipelotrichaceae id.2149)

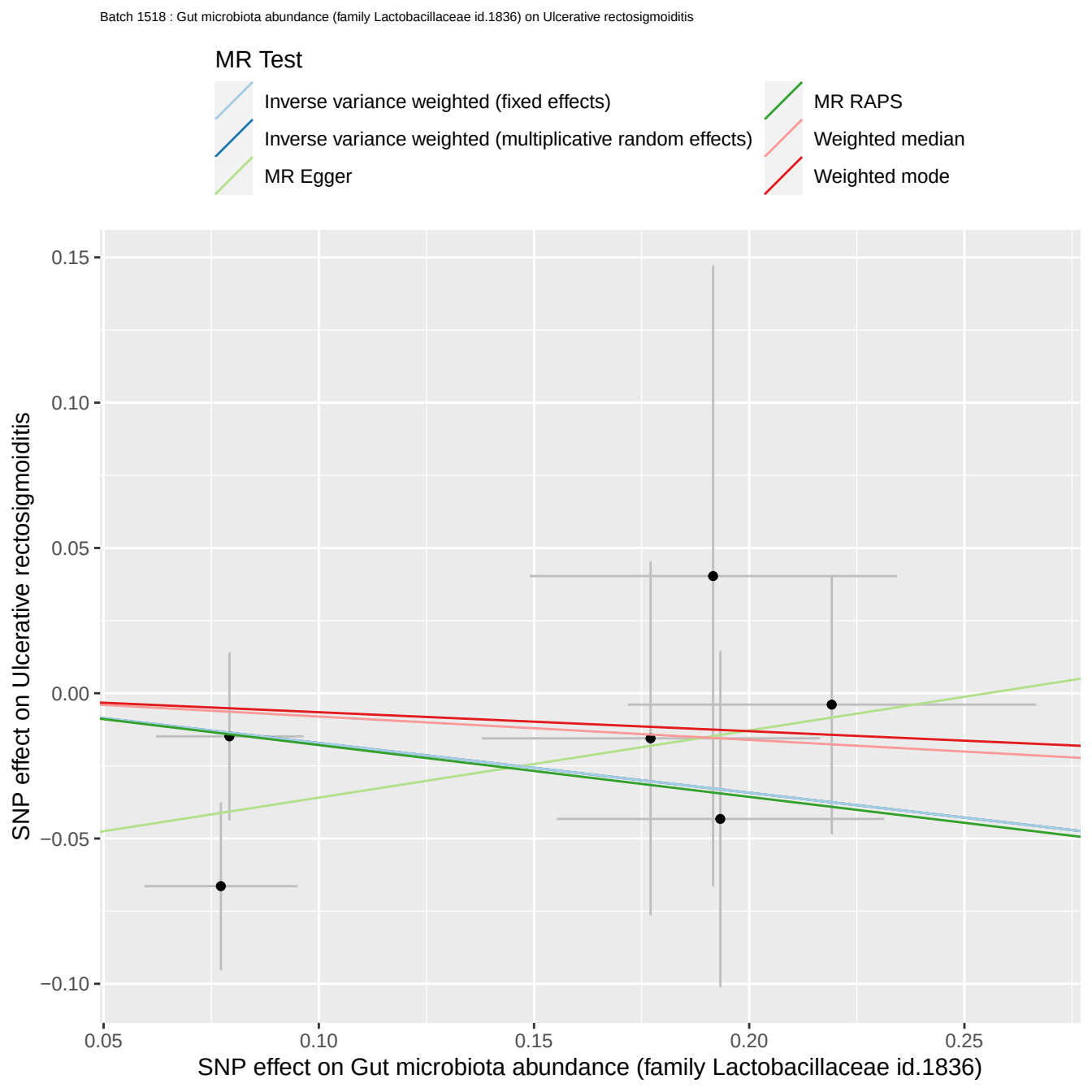

Batch 1515 : Gut microbiota abundance (family Family XI id.1936) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (family Family XI id.1936)

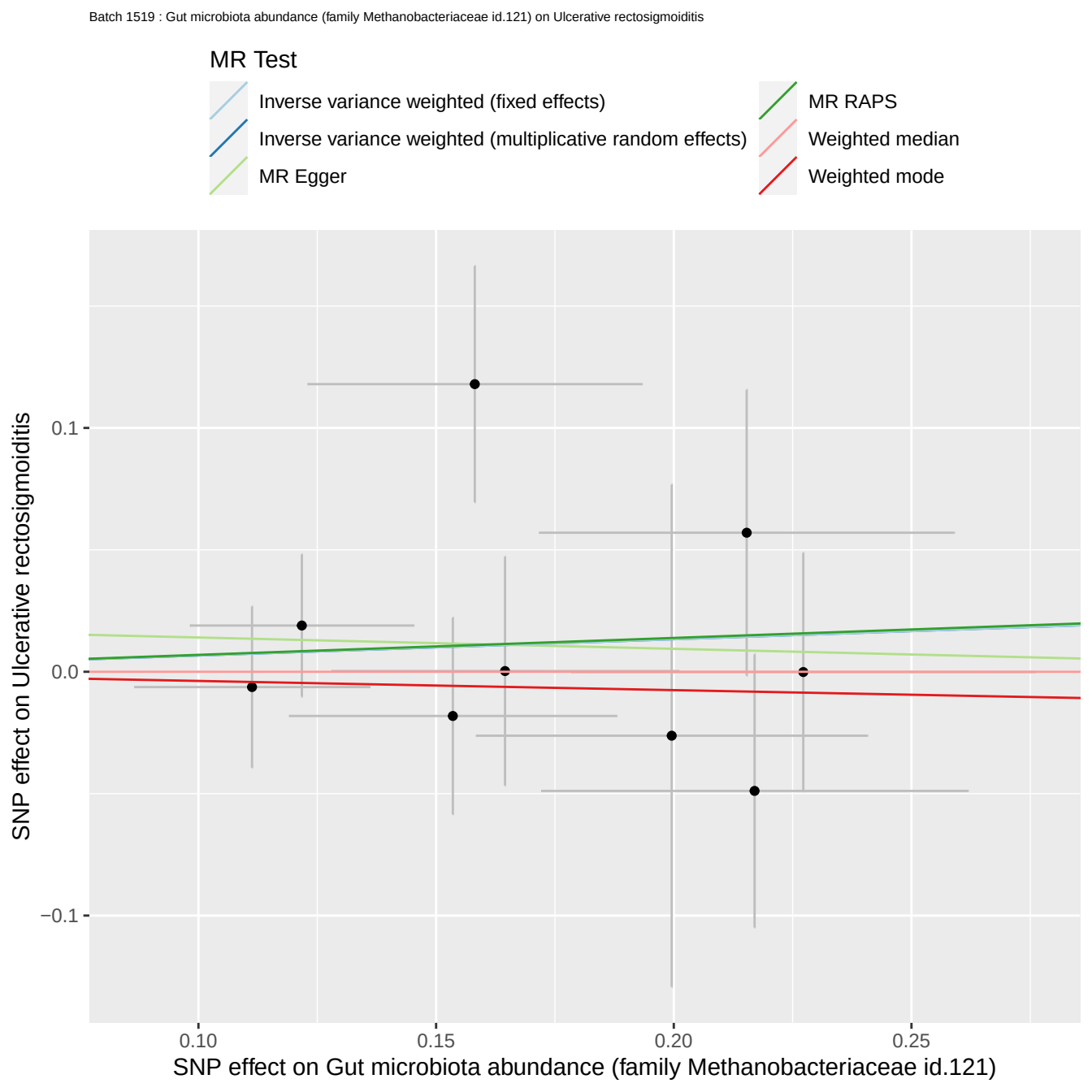
Batch 1516 : Gut microbiota abundance (family Family XIII id.1957) on Ulcerative rectosigmoiditis



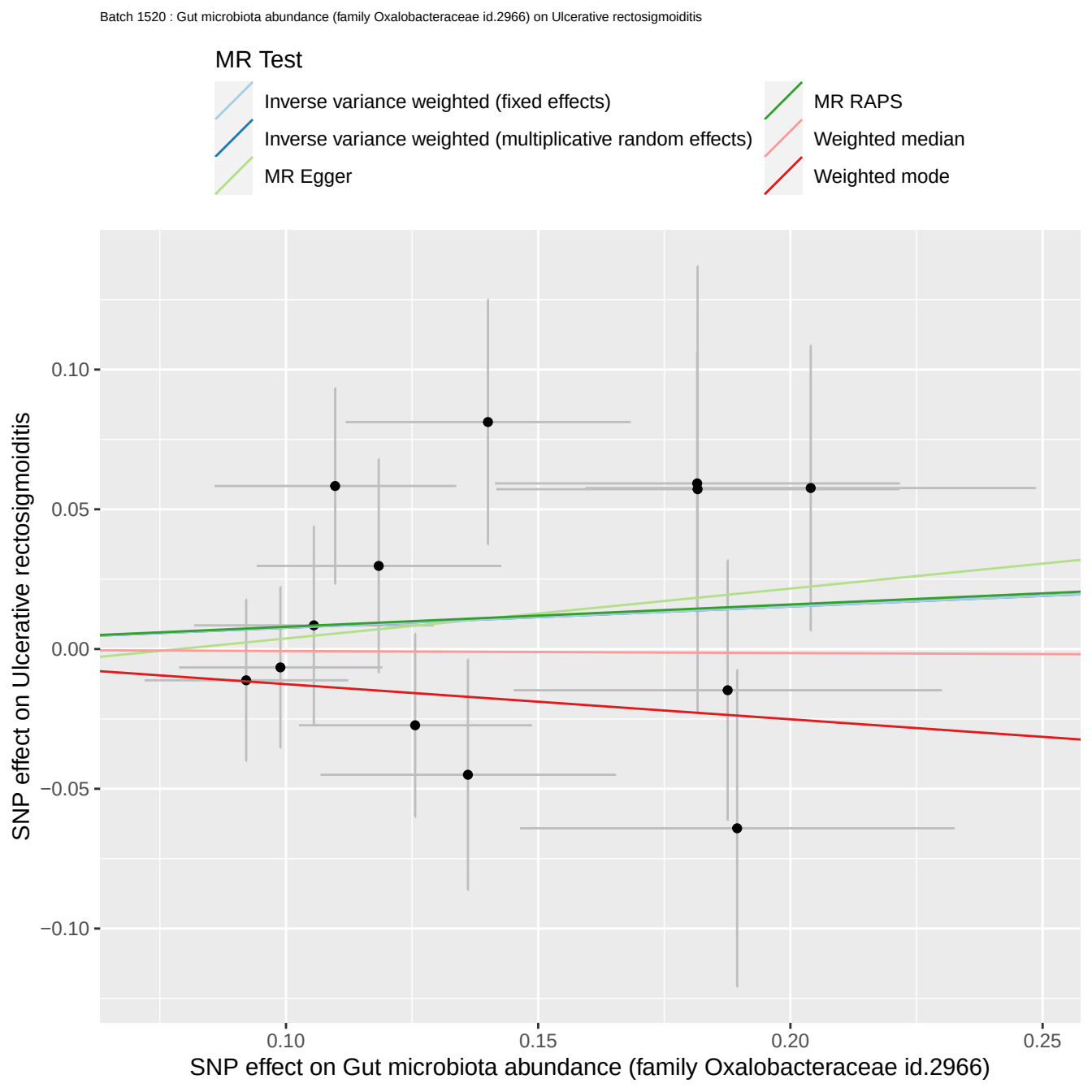

Batch 1517 : Gut microbiota abundance (family Lachnospiraceae id.1987) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (family Lachnospiraceae id.1987)

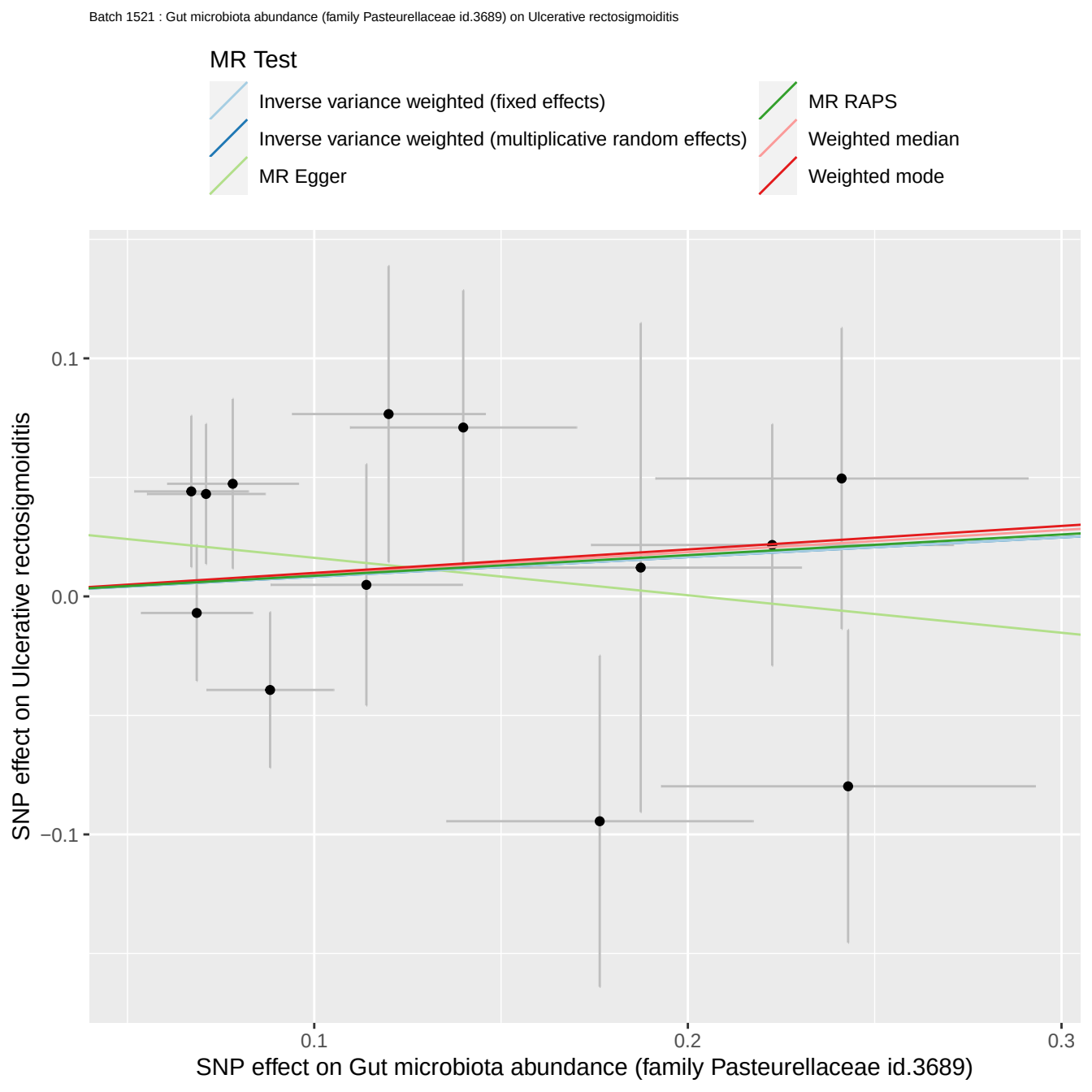
Batch 1518 : Gut microbiota abundance (family Lactobacillaceae id.1836) on Ulcerative rectosigmoiditis

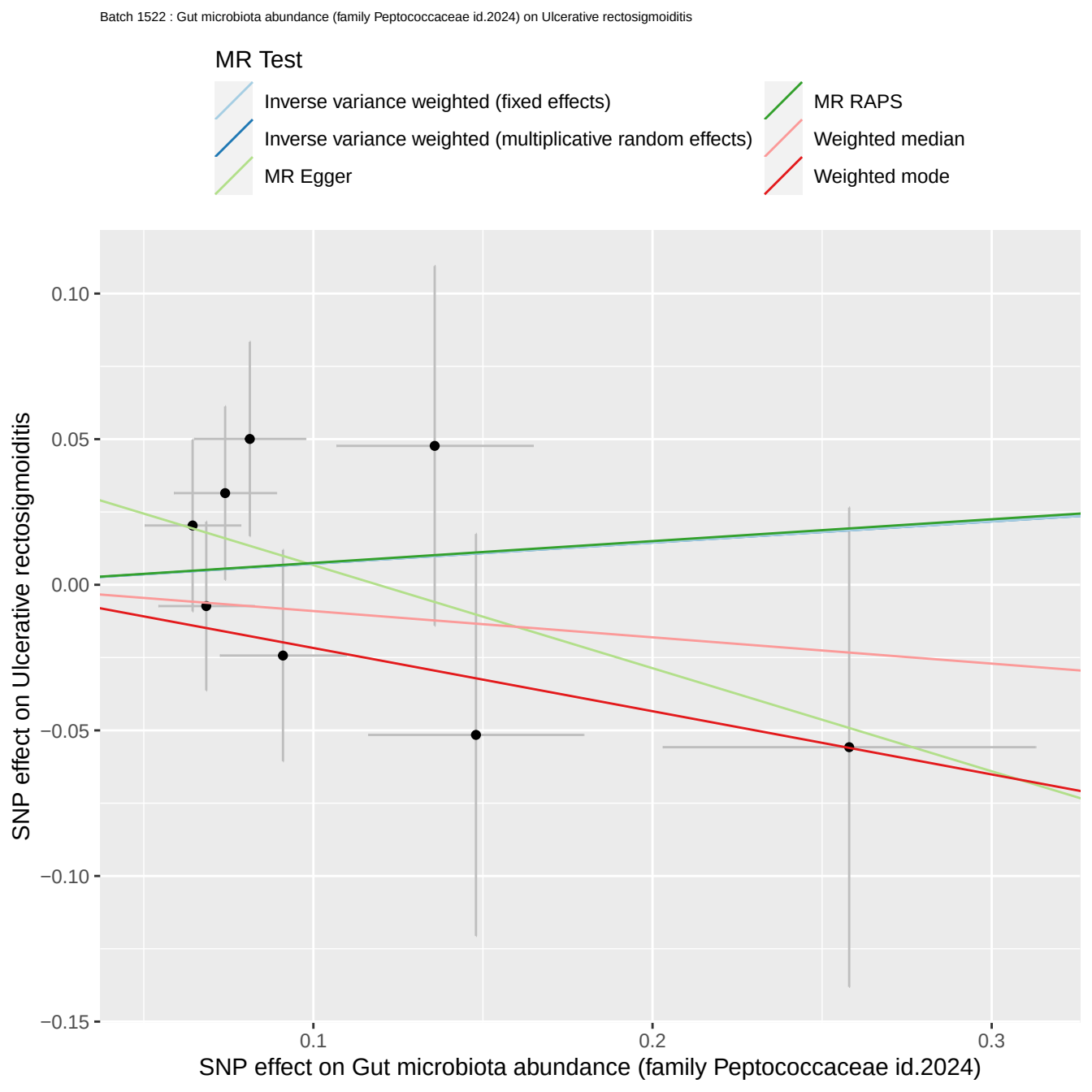


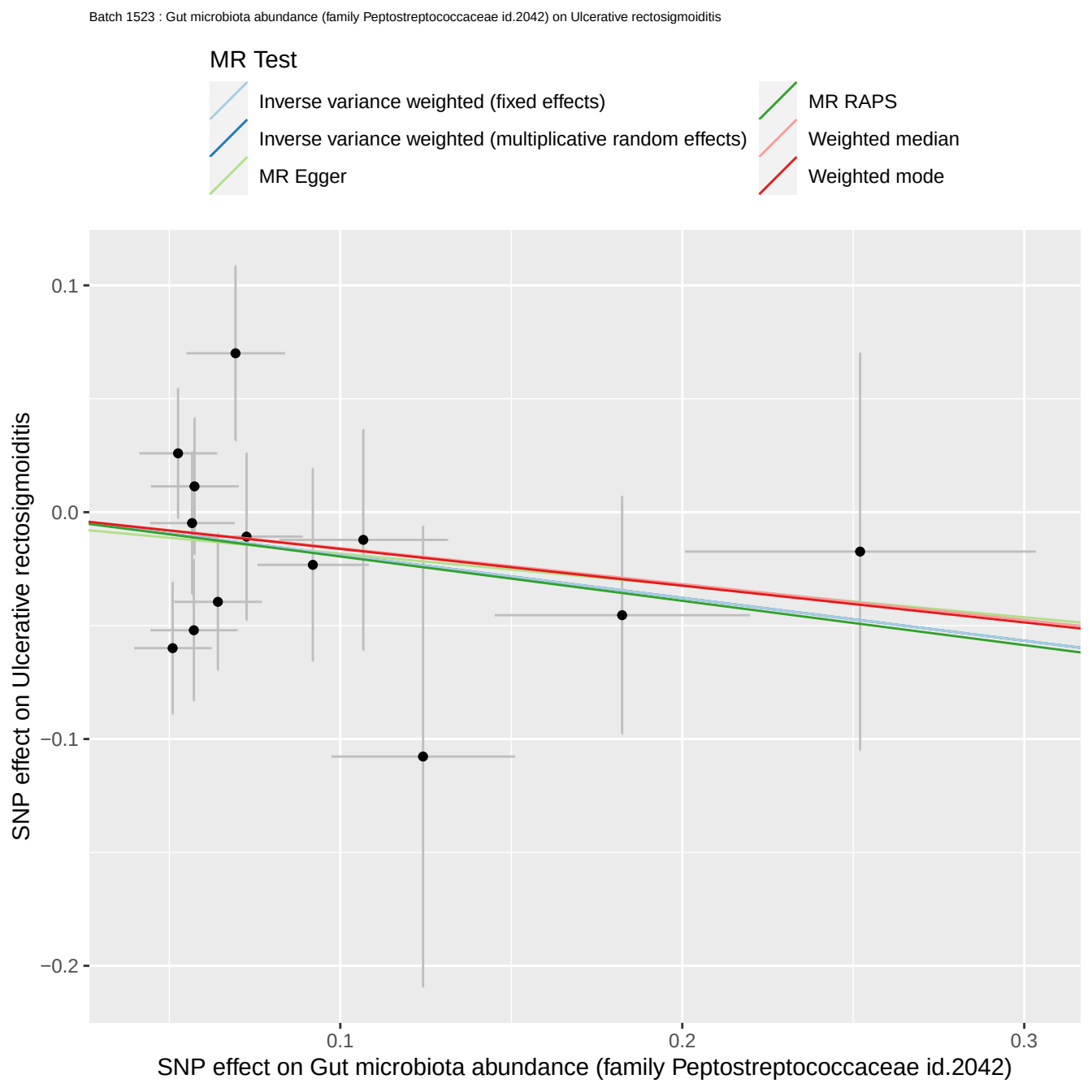

Batch 1519 : Gut microbiota abundance (family Methanobacteriaceae id.121) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Methanobacteriaceae id.121)

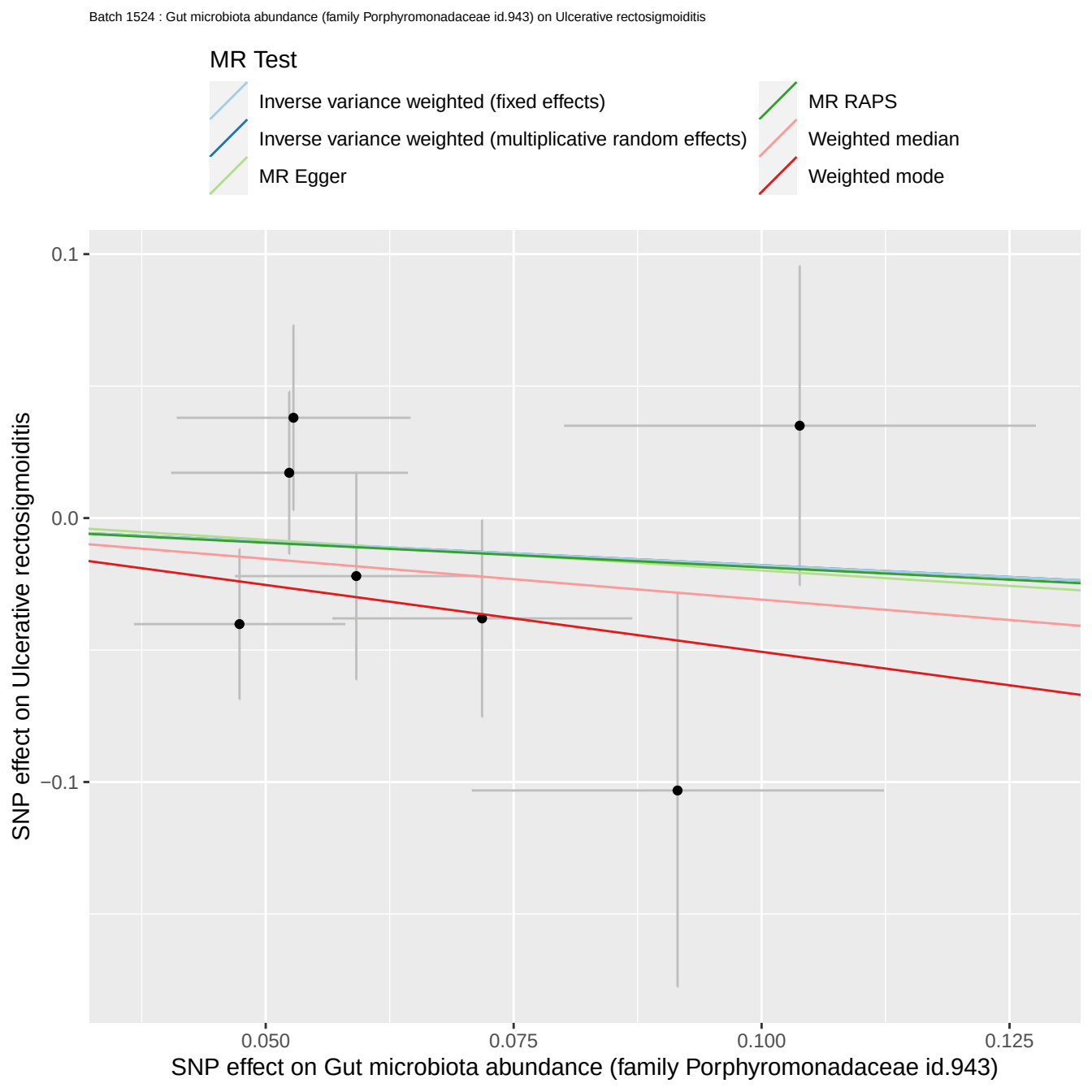
Batch 1520 : Gut microbiota abundance (family Oxalobacteraceae id.2966) on Ulcerative rectosigmoiditis

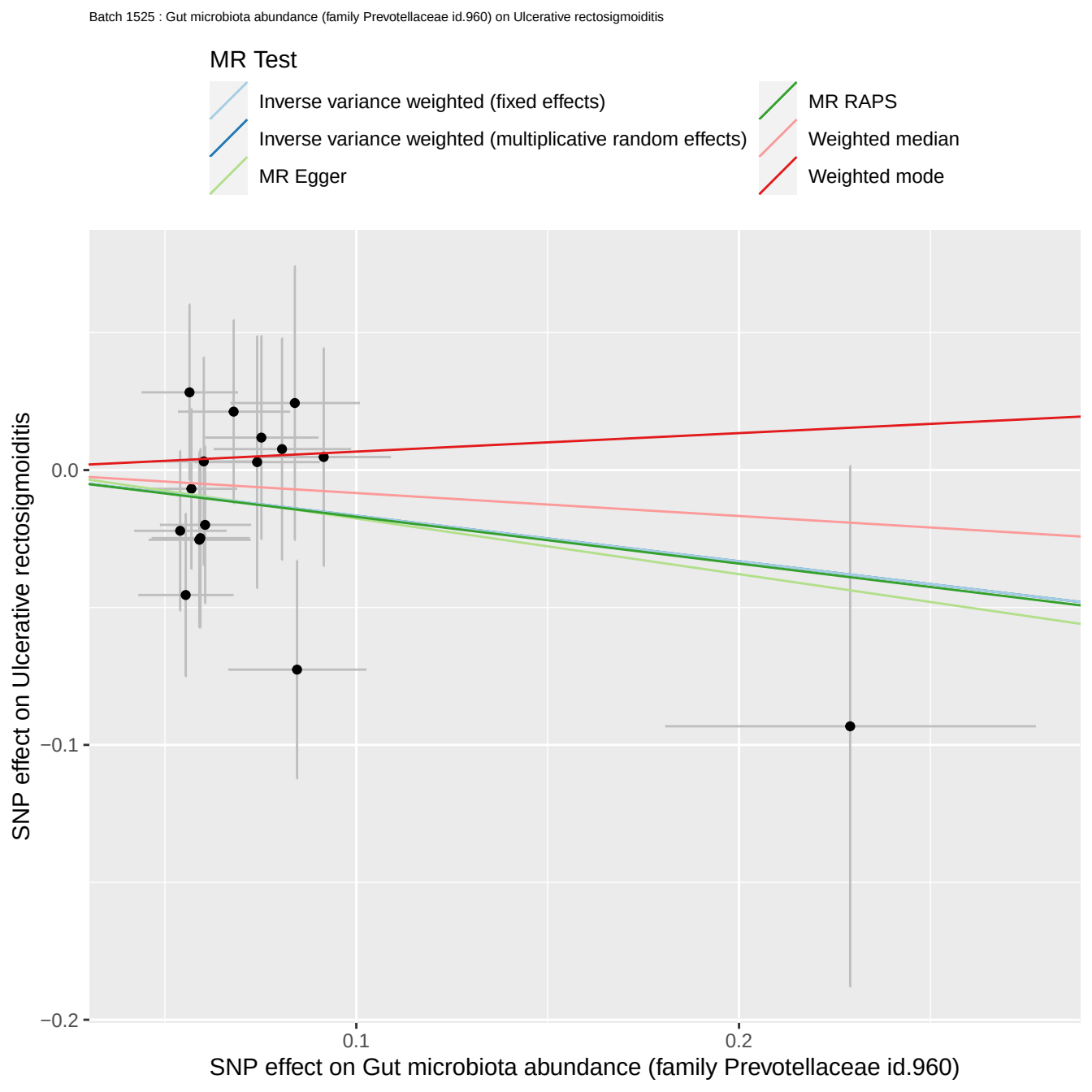



Batch 1521 : Gut microbiota abundance (family Pasteurellaceae id.3689) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Pasteurellaceae id.3689)

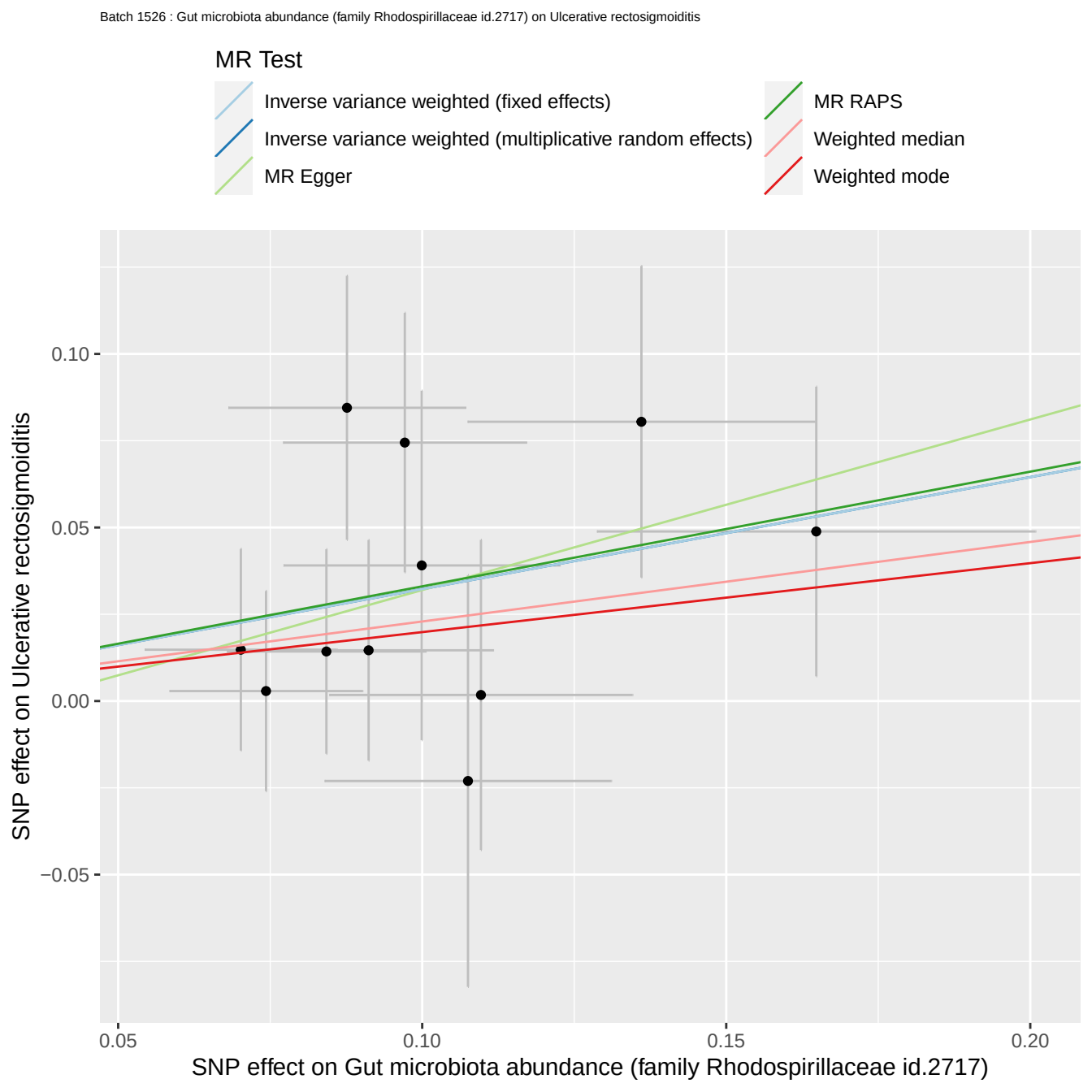

Batch 1522 : Gut microbiota abundance (family Peptococcaceae id.2024) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptococcaceae id.2024)

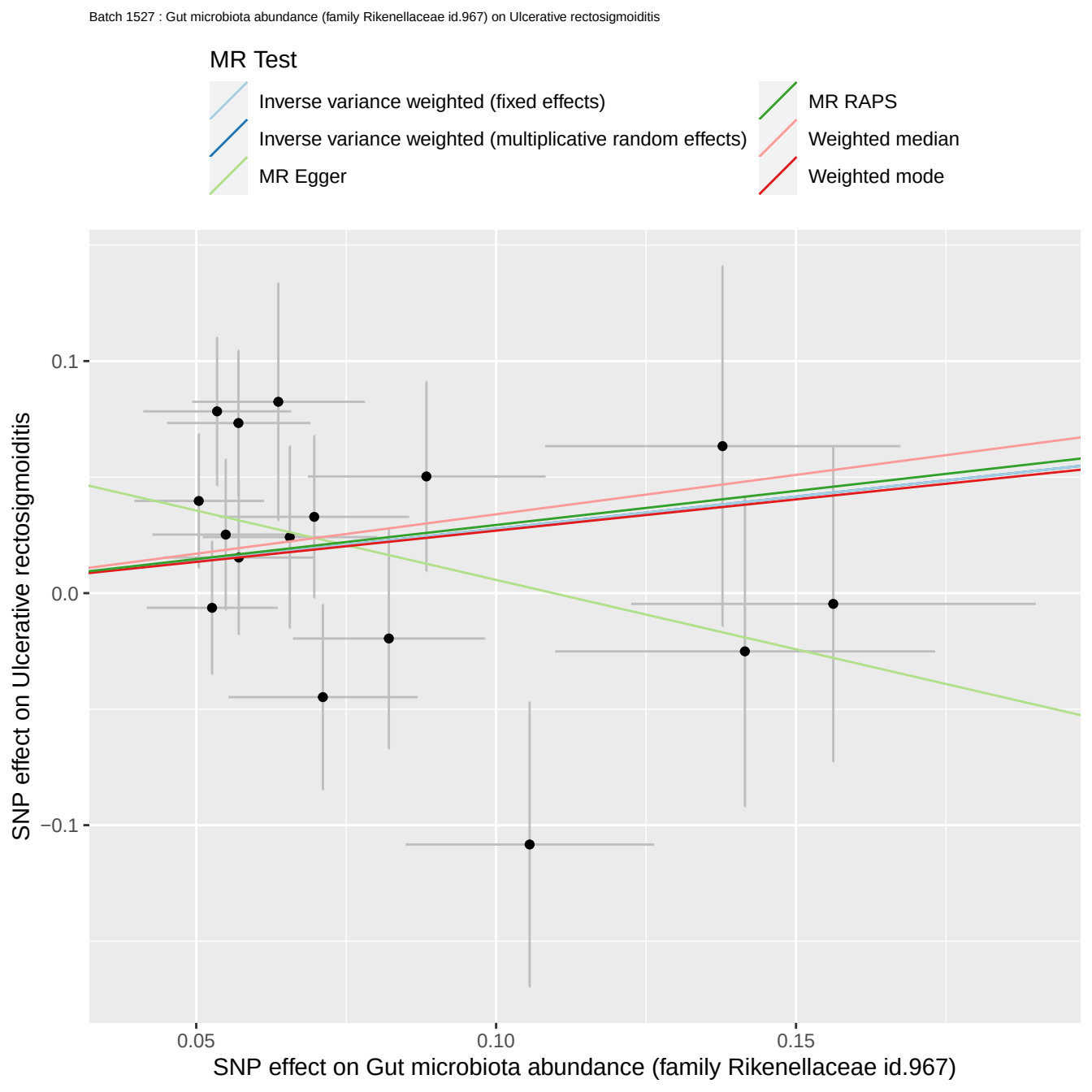

Batch 1523 : Gut microbiota abundance (family Peptostreptococcaceae id.2042) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Peptostreptococcaceae id.2042)

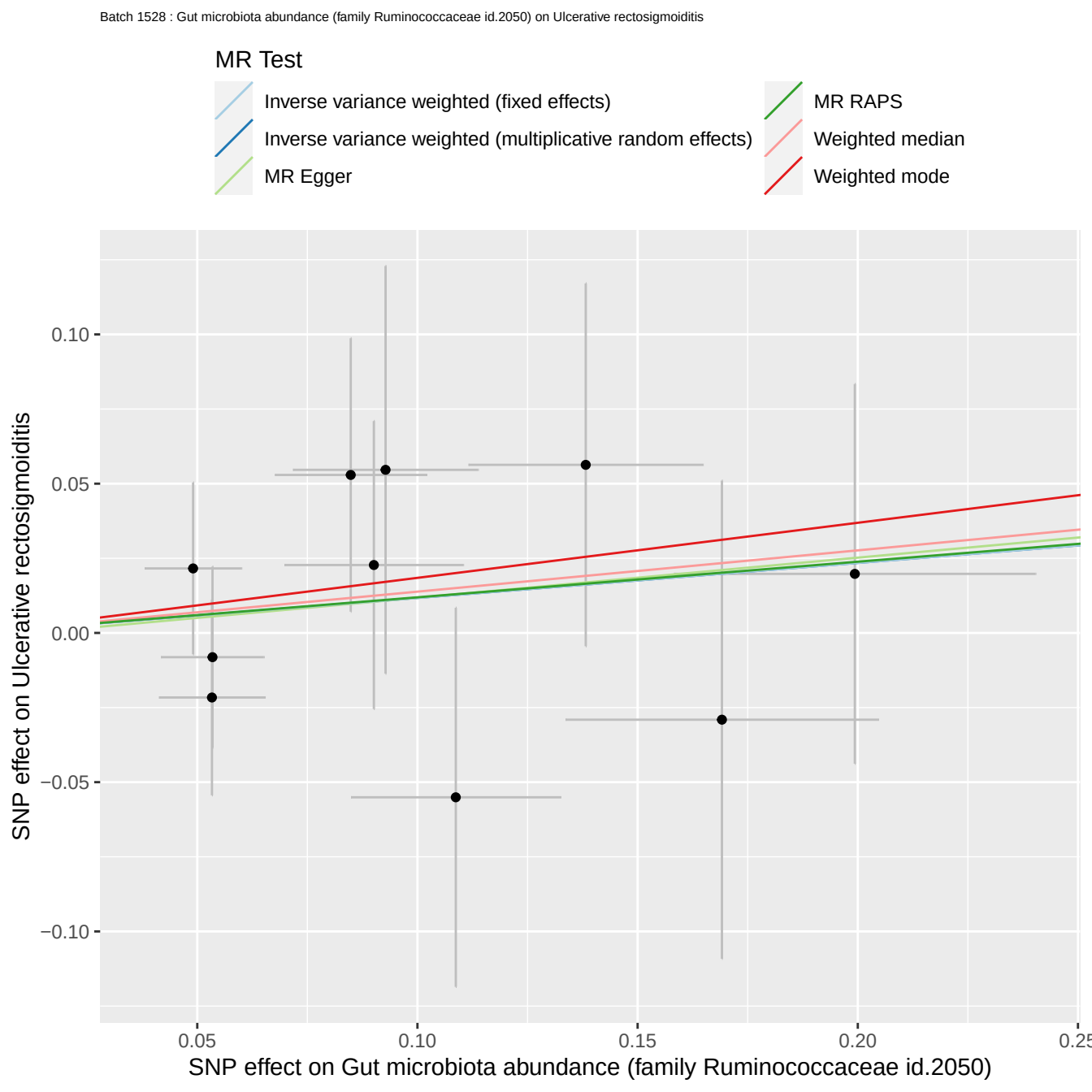

Batch 1524 : Gut microbiota abundance (family Porphyromonadaceae id.943) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (family Porphyromonadaceae id.943)

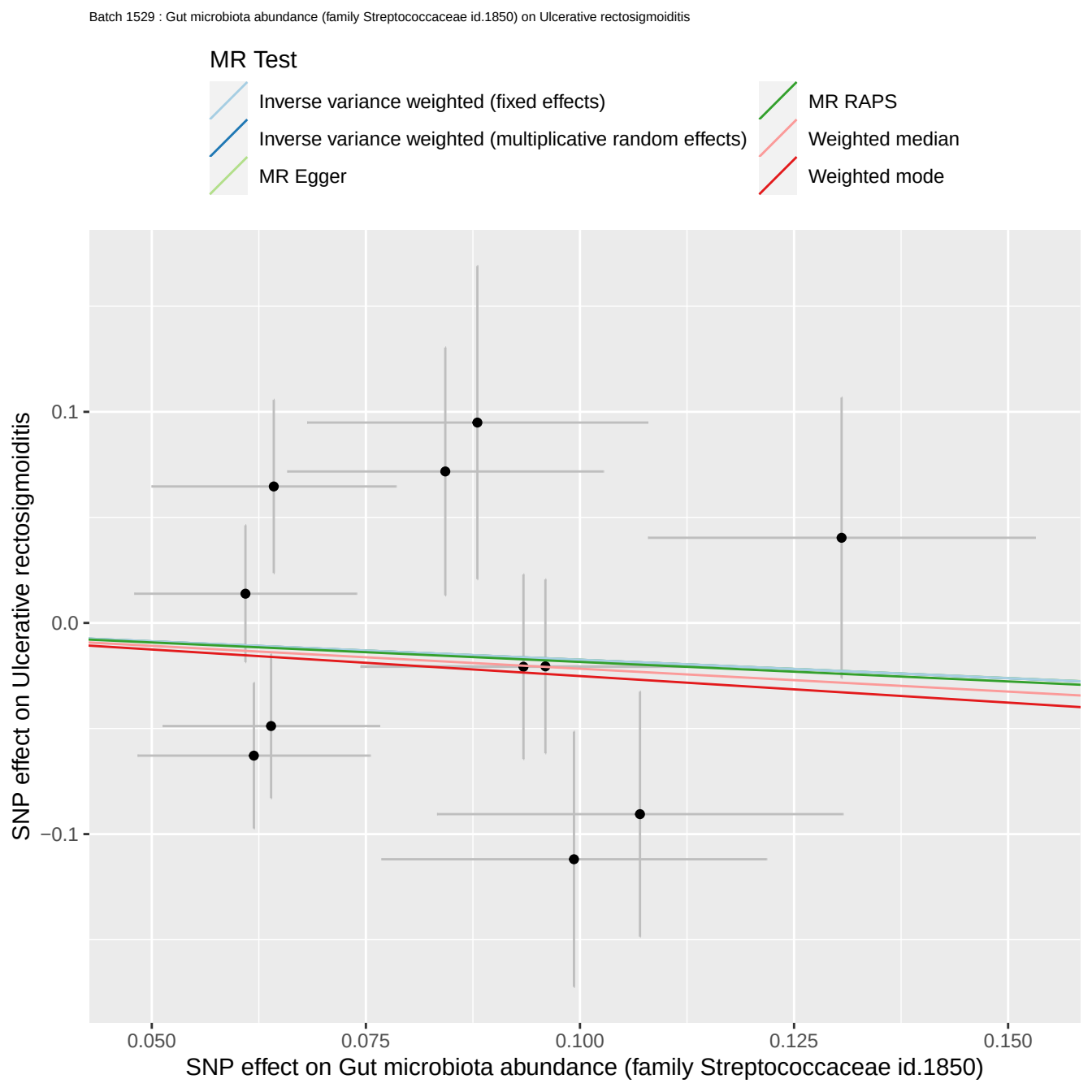

Batch 1525 : Gut microbiota abundance (family Prevotellaceae id.960) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (family Prevotellaceae id.960)

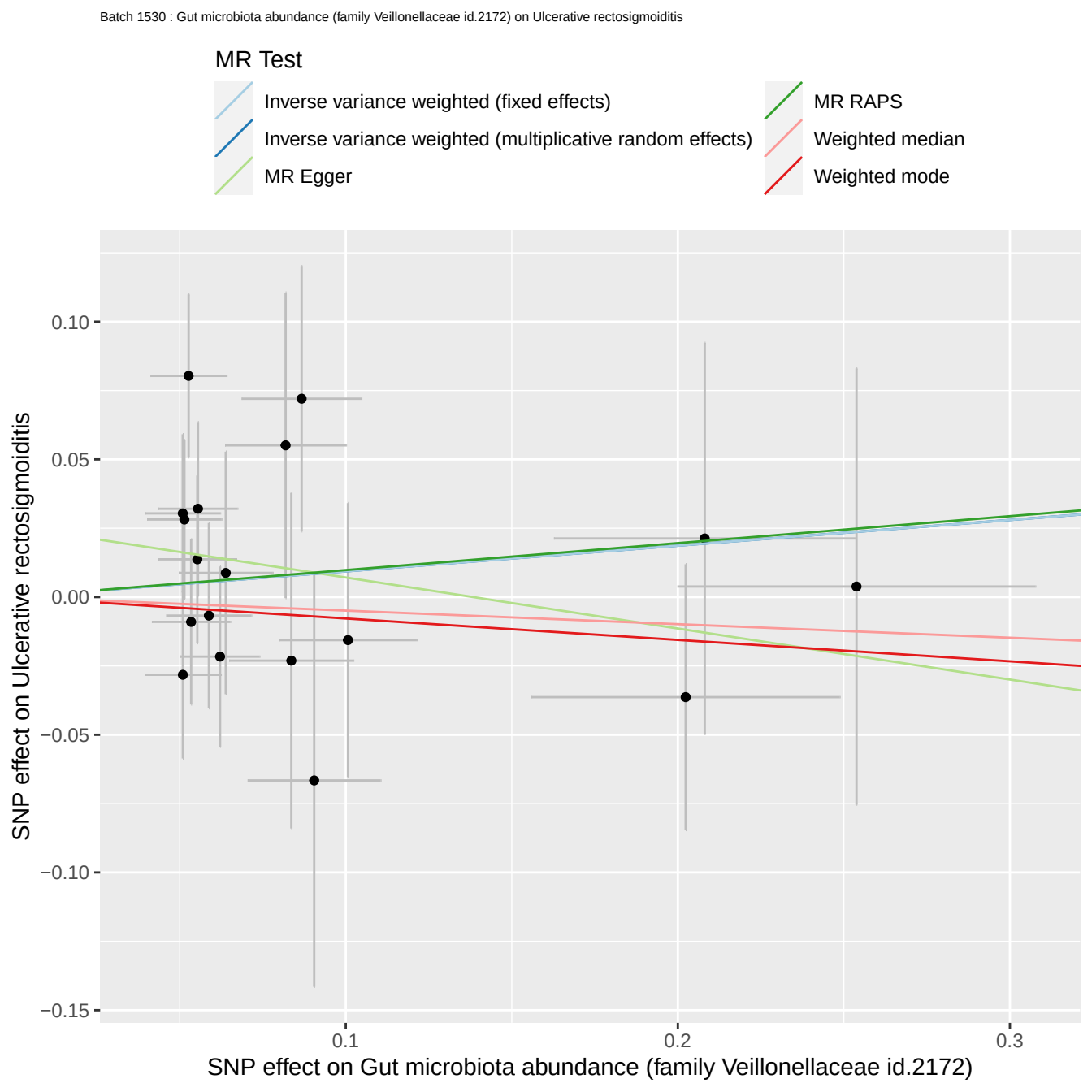
Batch 1526 : Gut microbiota abundance (family Rhodospirillaceae id.2717) on Ulcerative rectosigmoiditis

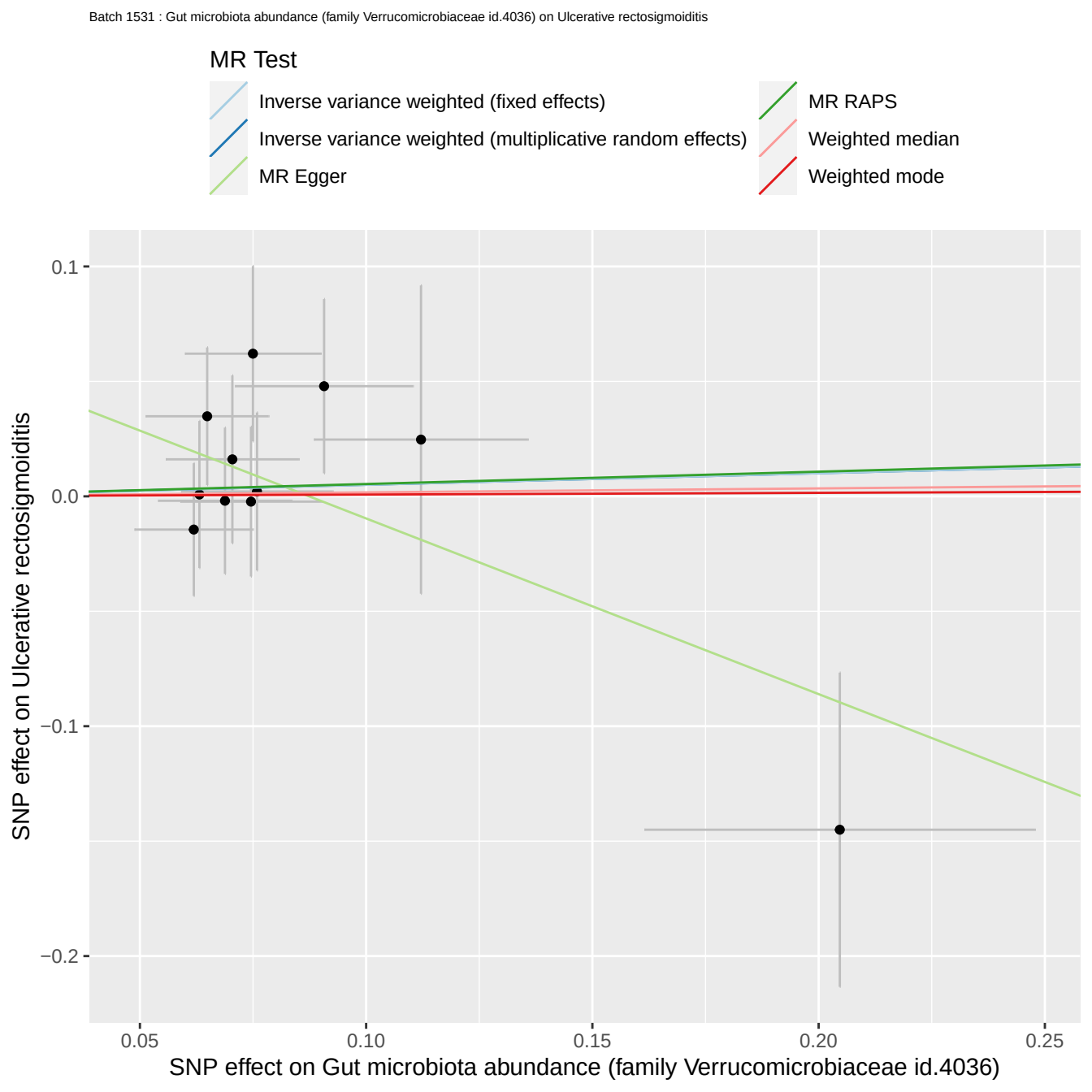


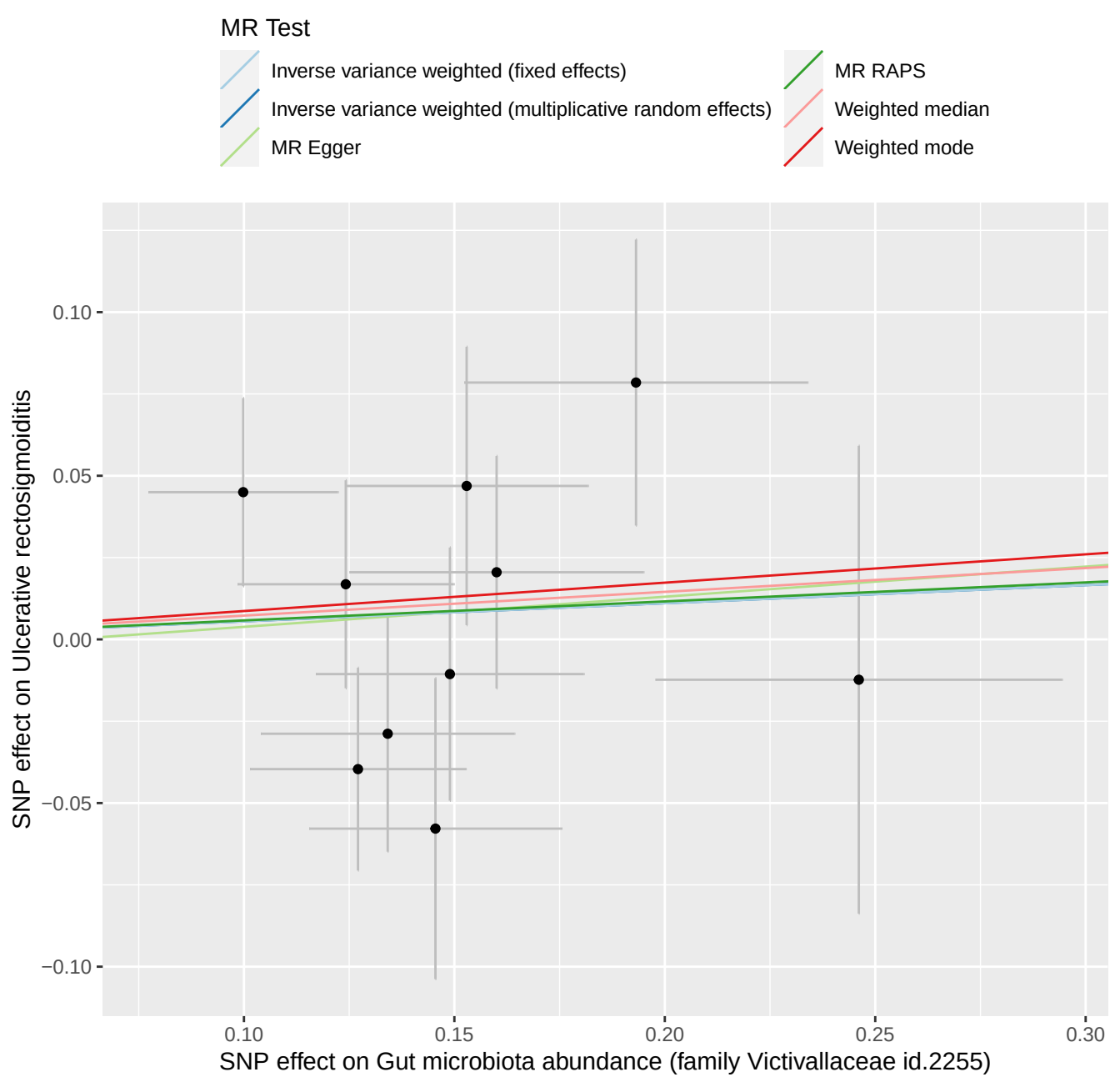

Batch 1527 : Gut microbiota abundance (family Rikenellaceae id.967) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
SNP effect on Gut microbiota abundance (family Rikenellaceae id.967)

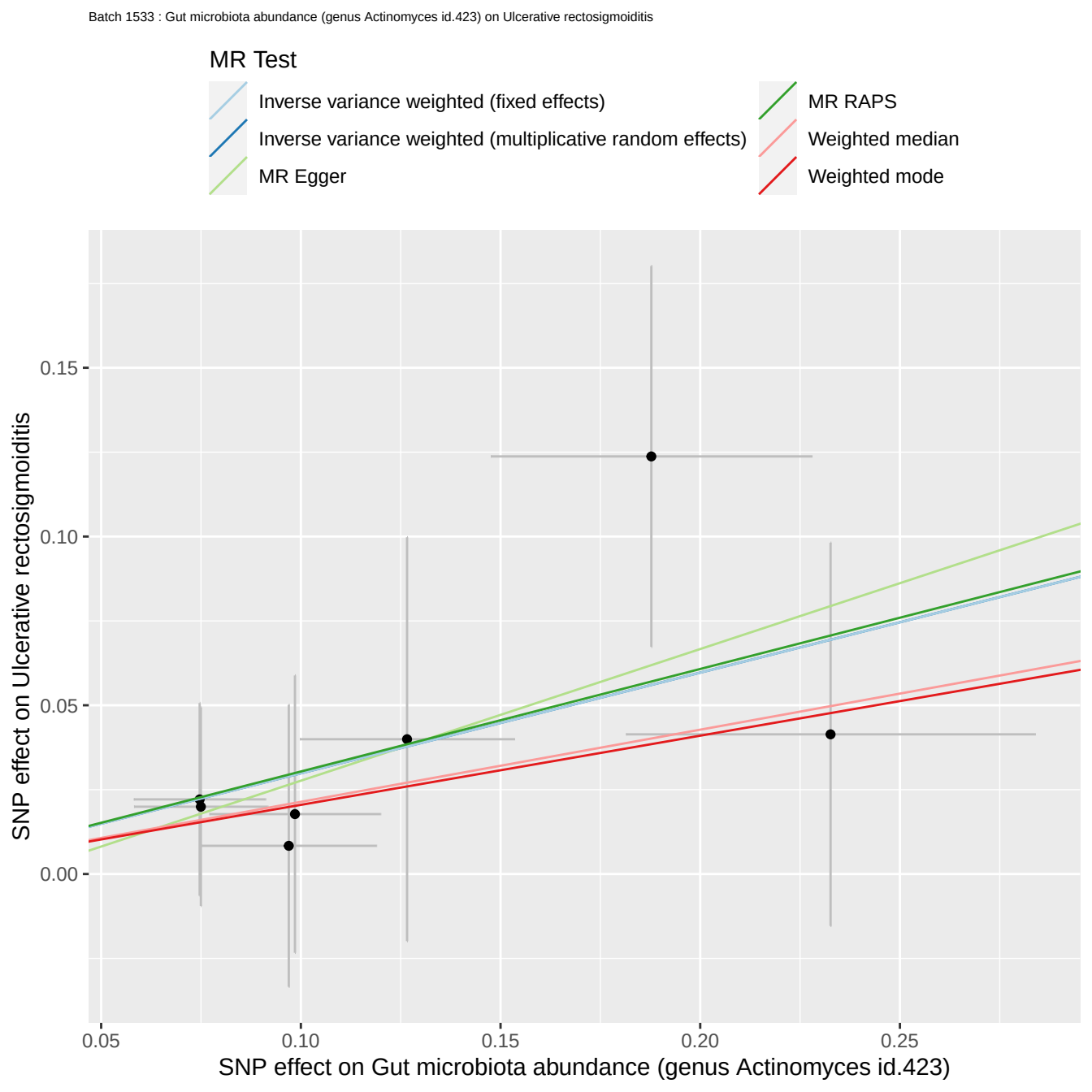

Batch 1528 : Gut microbiota abundance (family Ruminococcaceae id.2050) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Ruminococcaceae id.2050)


Batch 1529 : Gut microbiota abundance (family Streptococcaceae id.1850) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (family Streptococcaceae id.1850)

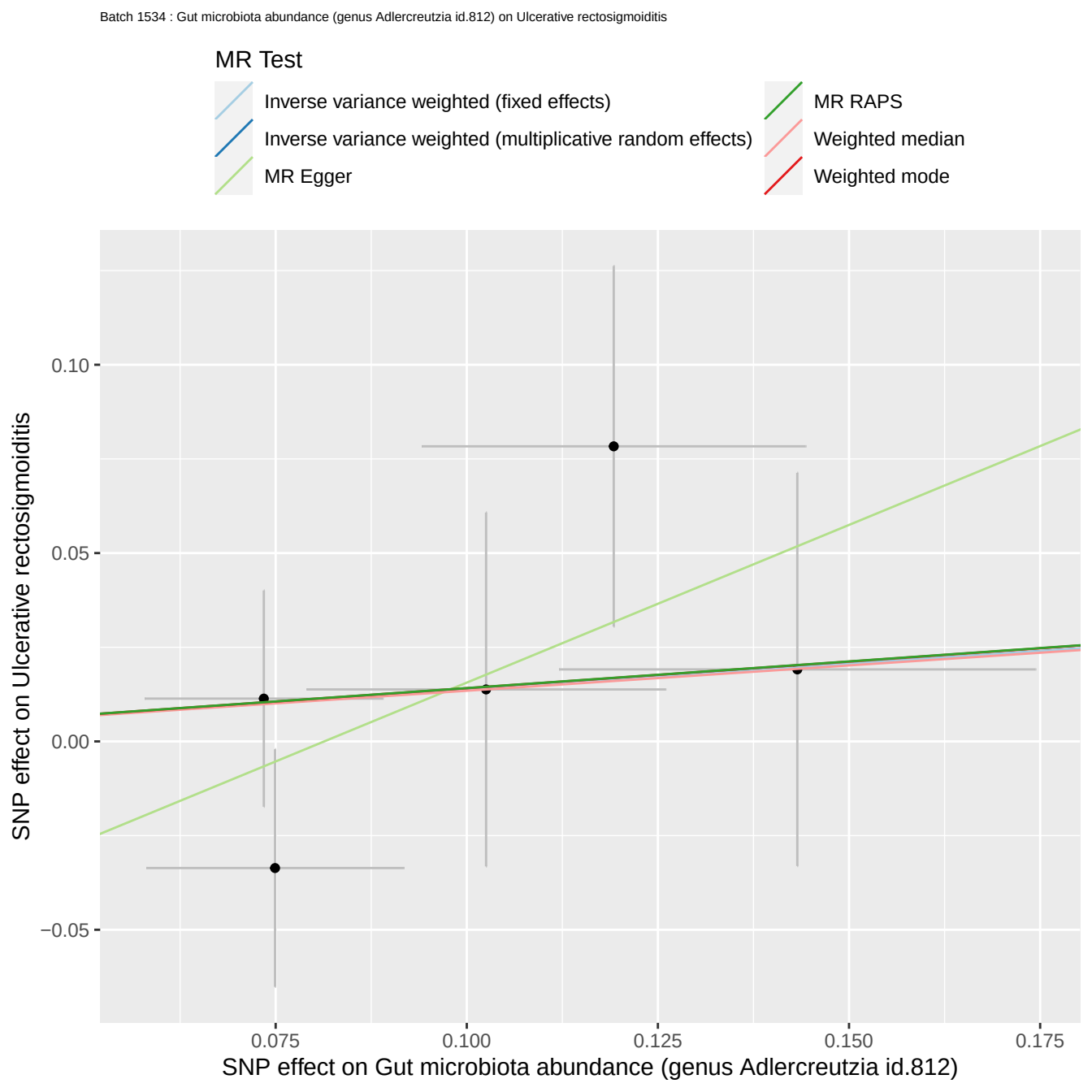

Batch 1530 : Gut microbiota abundance (family Veillonellaceae id.2172) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (family Veillonellaceae id.2172)

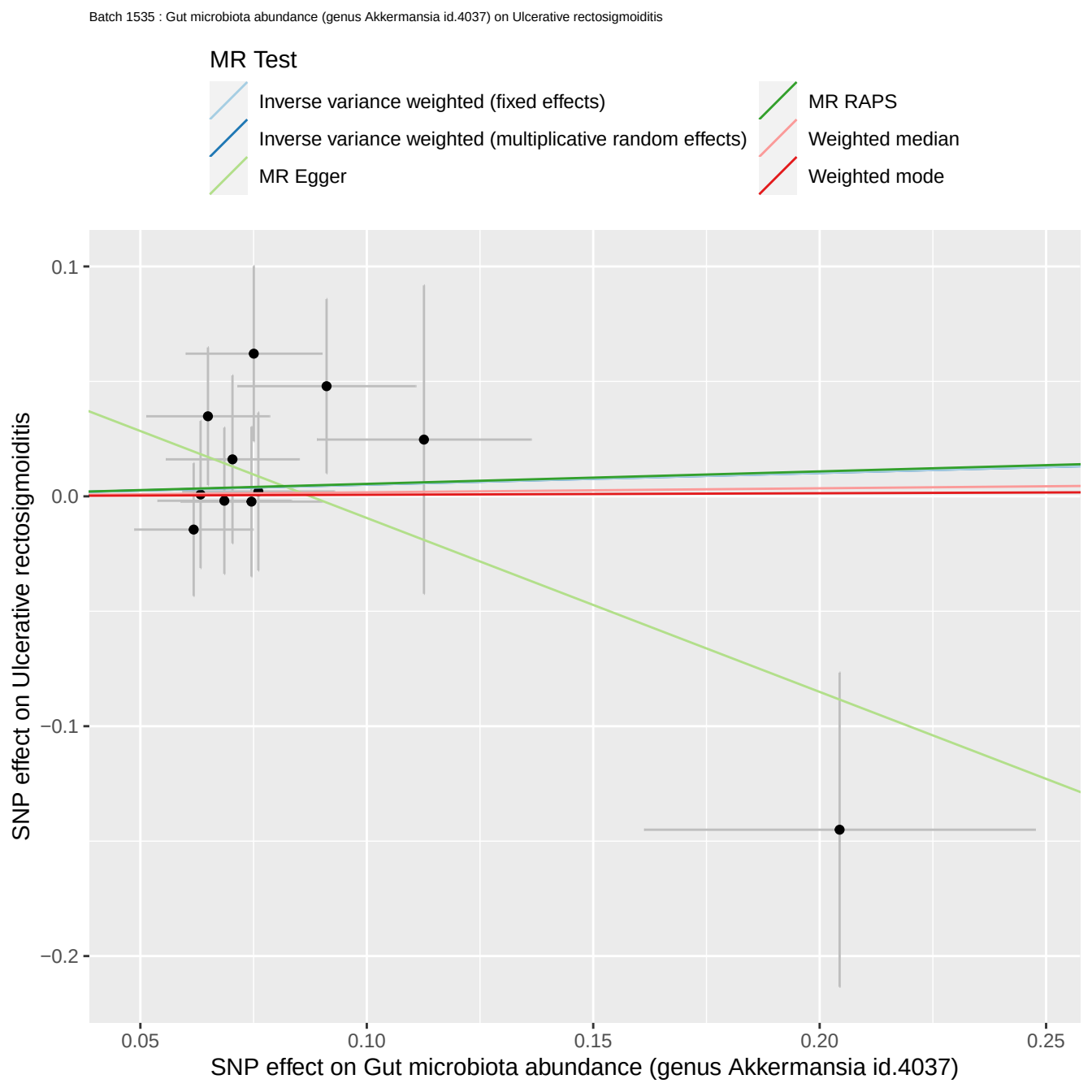

Batch 1531 : Gut microbiota abundance (family Verrucomicrobiaceae id.4036) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (family Verrucomicrobiaceae id.4036)

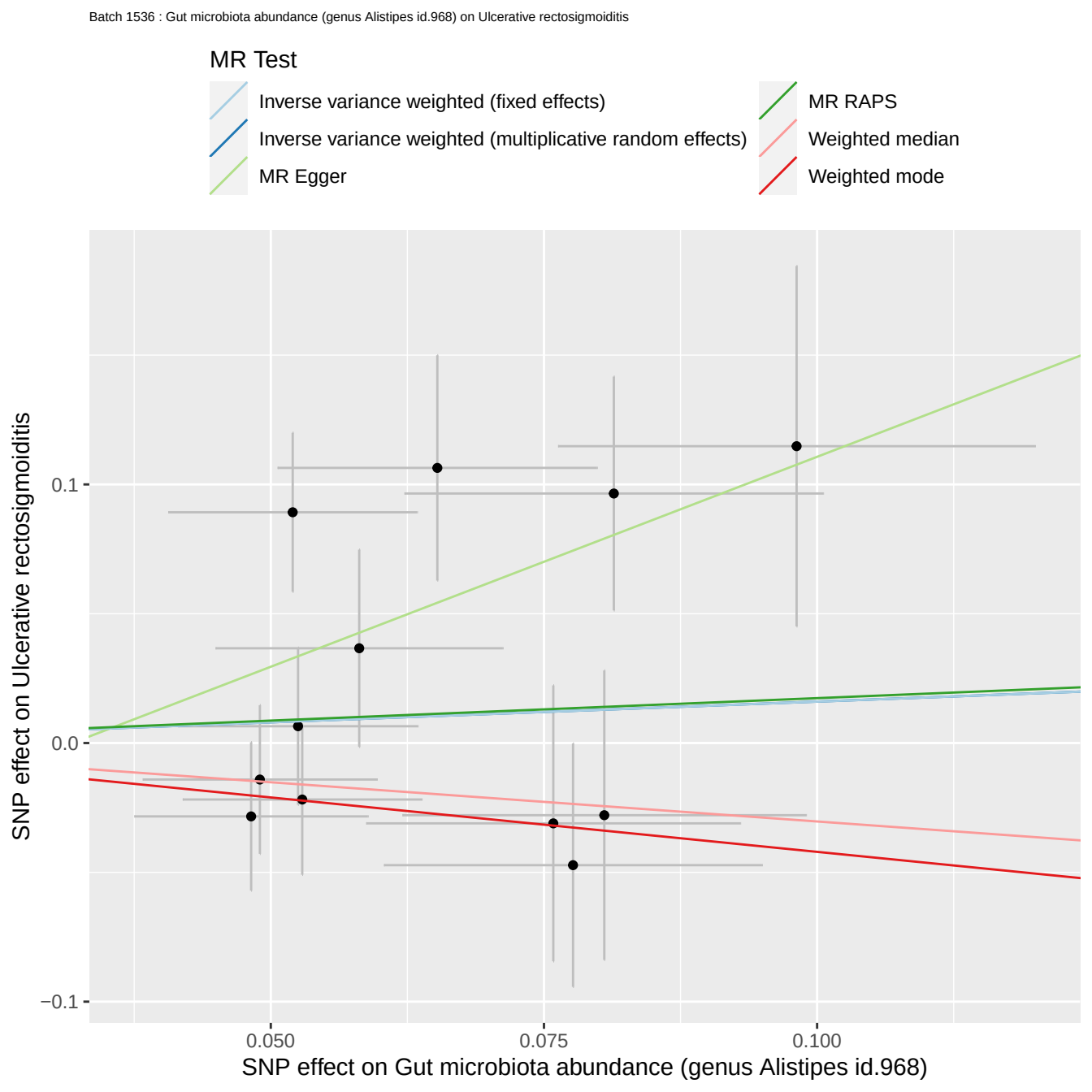

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (family Victivallaceae id.2255)

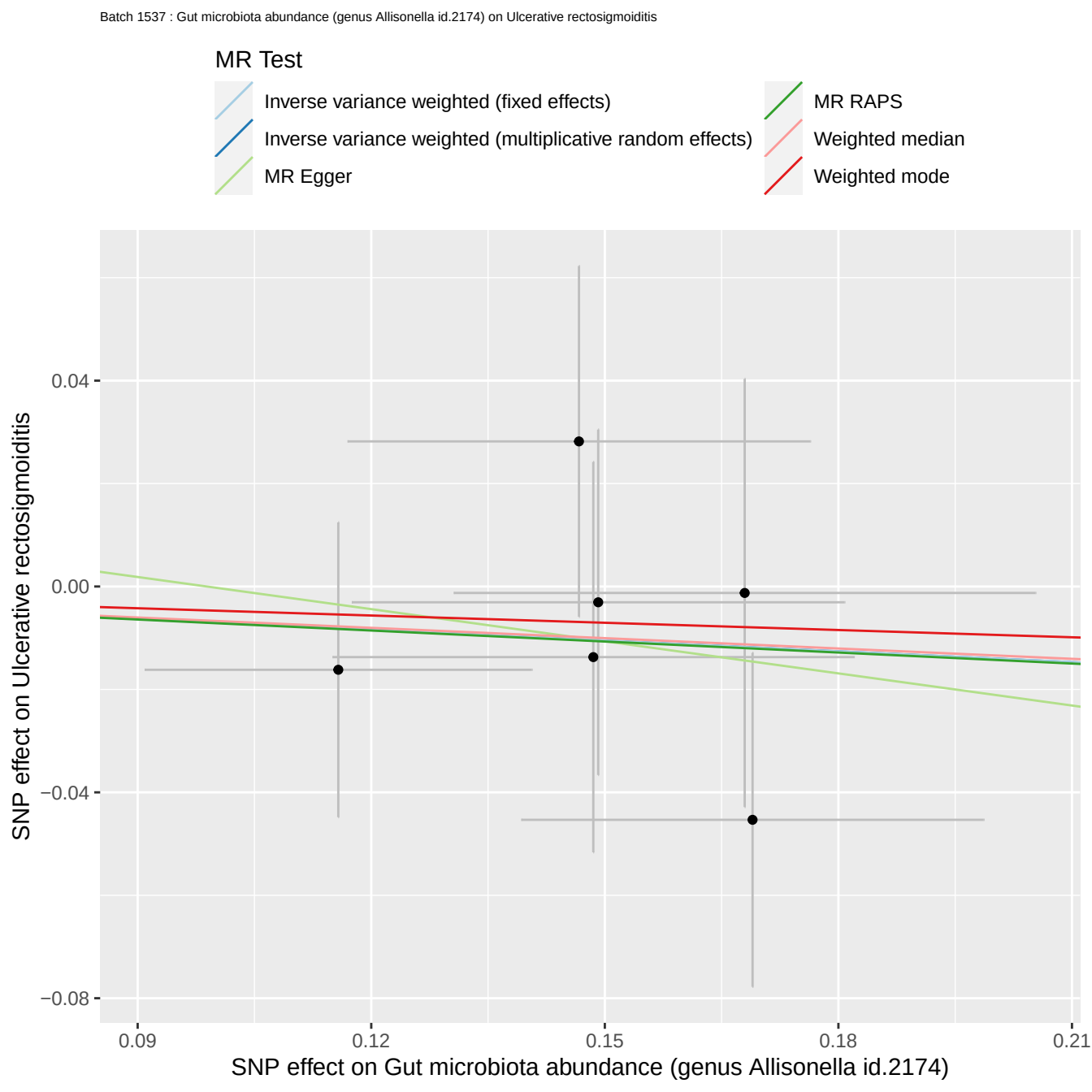

Batch 1533 : Gut microbiota abundance (genus Actinomyces id.423) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.15
0.10
0.05
0.00
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Actinomyces id.423)

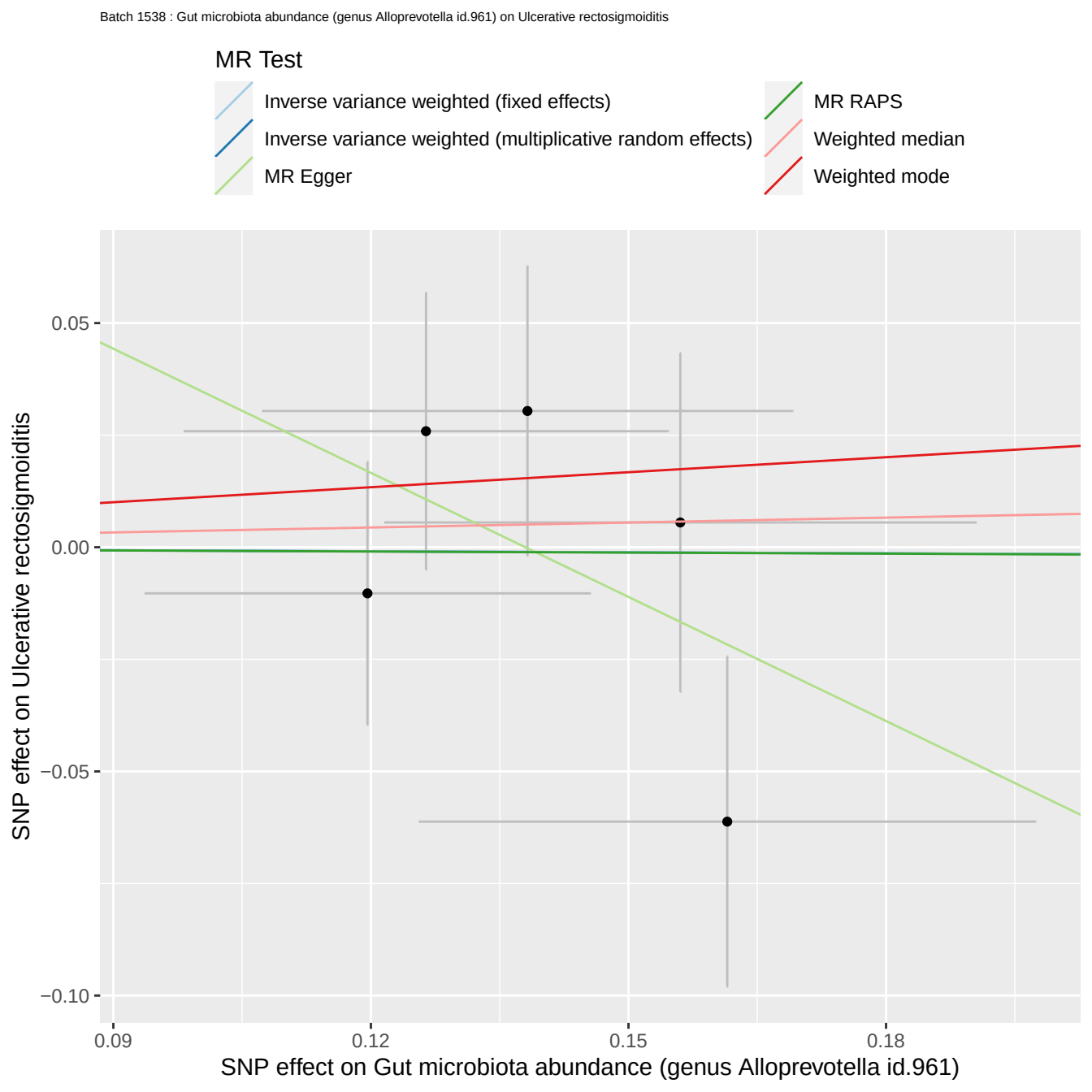
Batch 1534 : Gut microbiota abundance (genus Adlercreutzia id.812) on Ulcerative rectosigmoiditis



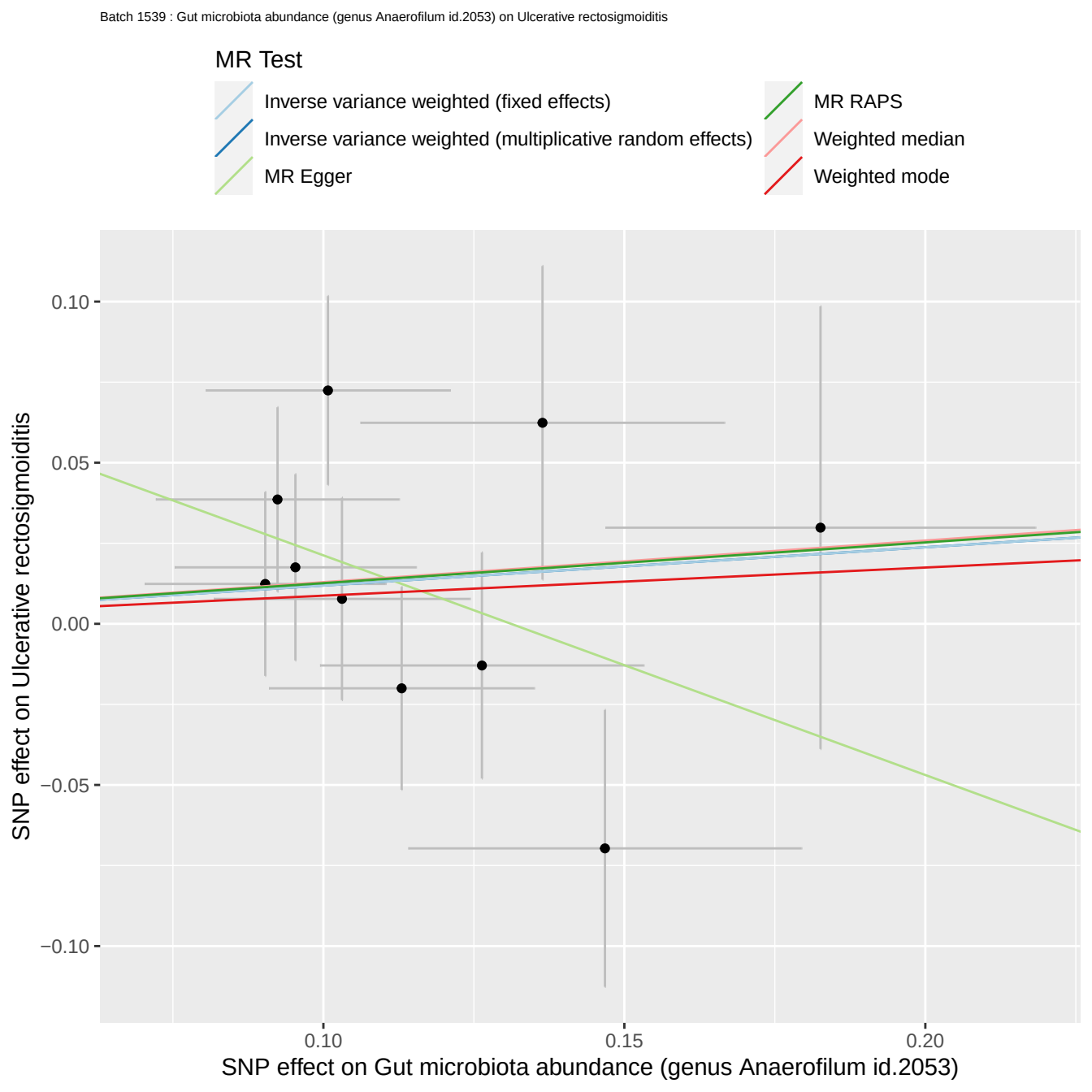

Batch 1535 : Gut microbiota abundance (genus Akkermansia id.4037) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
−0.2
SNP effect on Ulcerative rectosigmoiditis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Akkermansia id.4037)

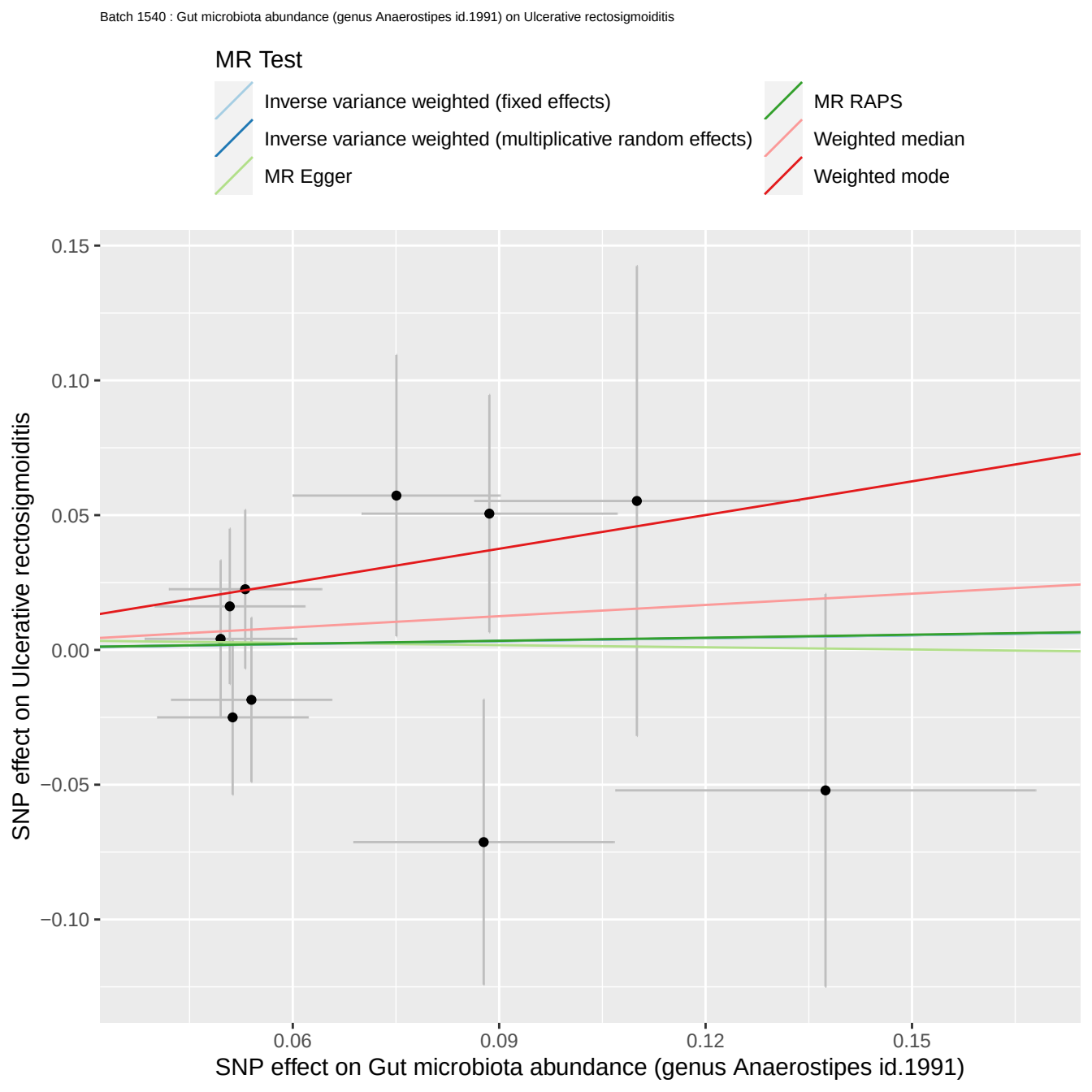

Batch 1536 : Gut microbiota abundance (genus Alistipes id.968) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.050
0.075
0.100
SNP effect on Gut microbiota abundance (genus Alistipes id.968)


Batch 1537 : Gut microbiota abundance (genus Allisonella id.2174) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.04
0.00
−0.04
−0.08
0.09
0.12
0.15
0.18
0.21
SNP effect on Gut microbiota abundance (genus Allisonella id.2174)

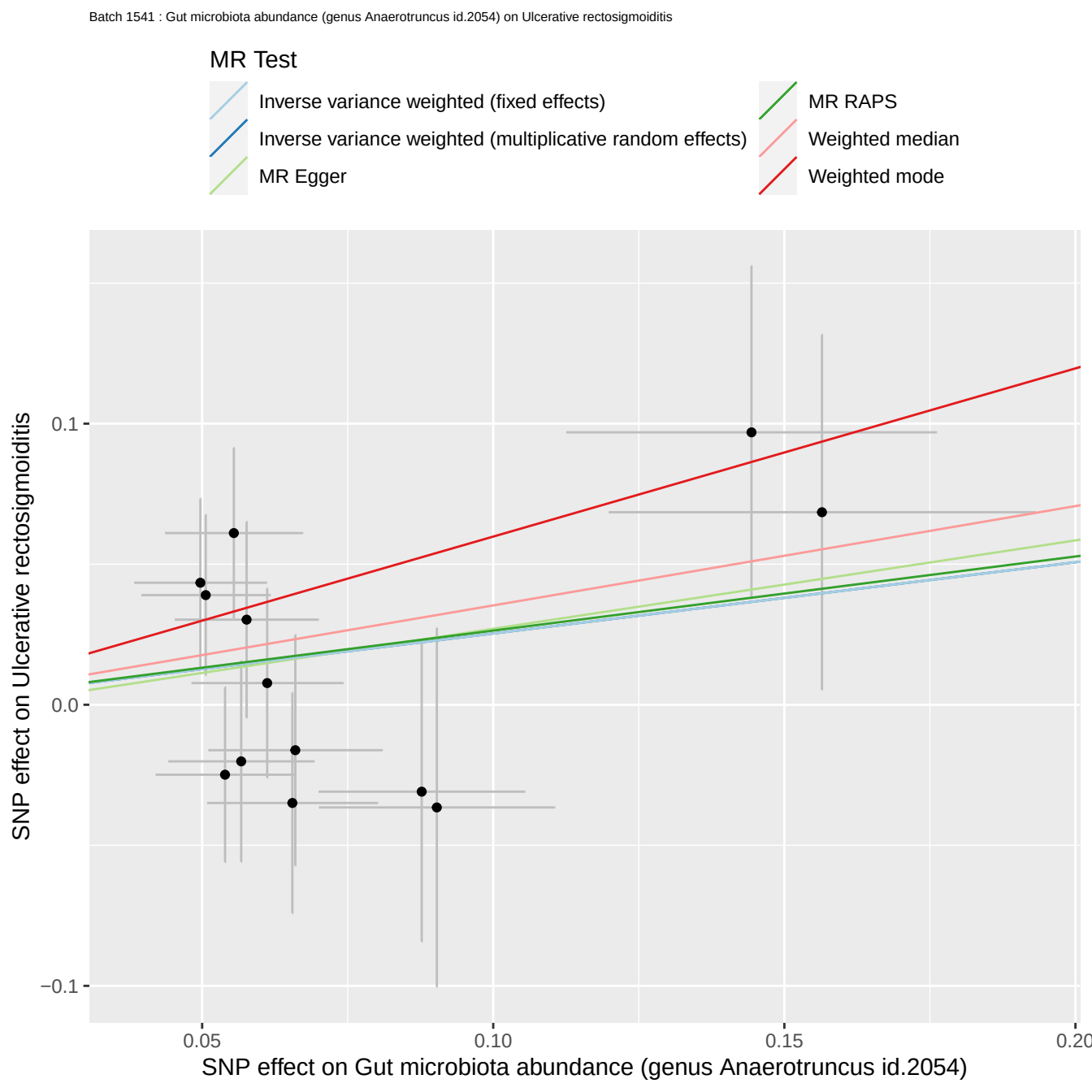

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
0.09
0.12
0.15
0.18
SNP effect on Ulcerative rectosigmoiditis
SNP effect on Gut microbiota abundance (genus Alloprevotella id.961)

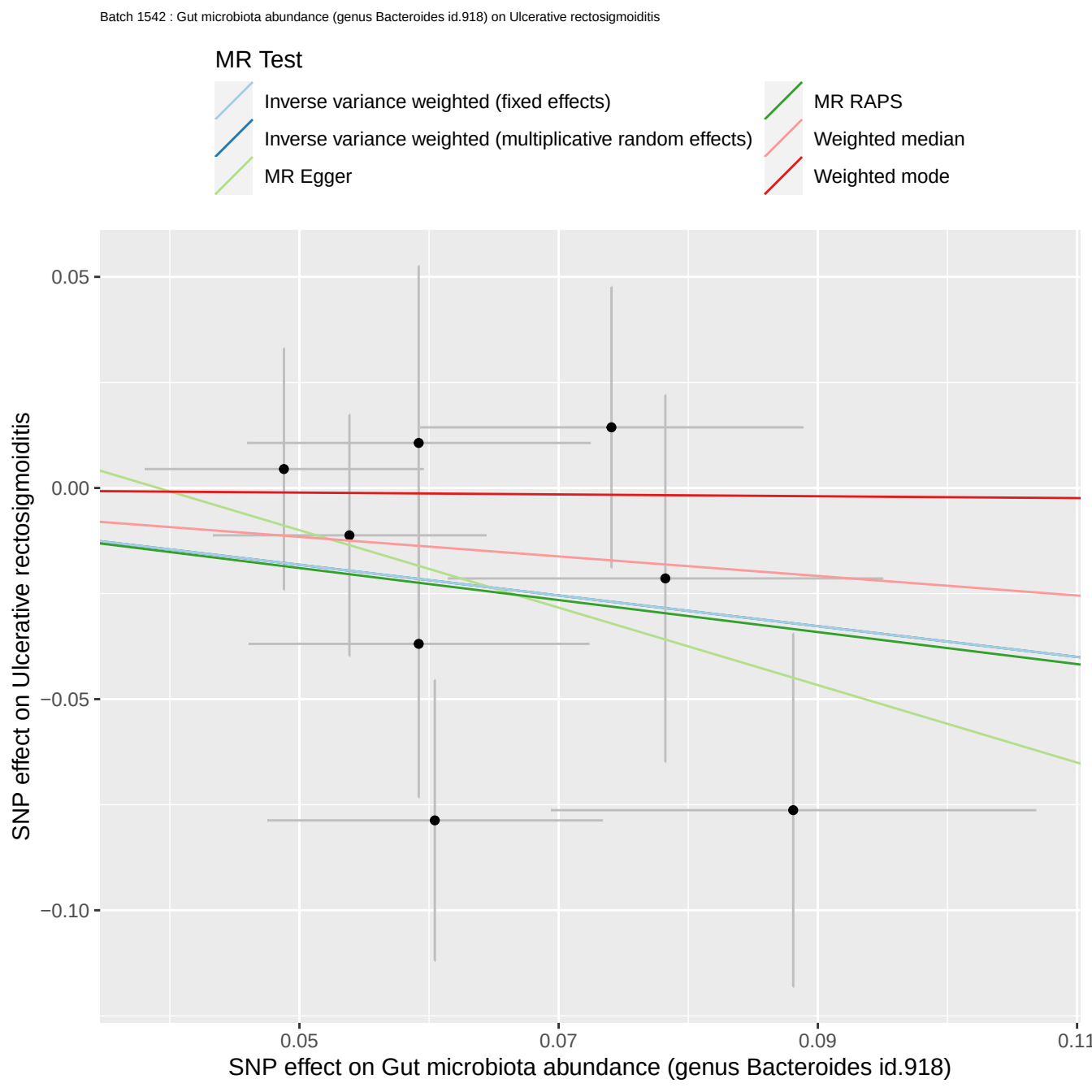
Batch 1539 : Gut microbiota abundance (genus Anaerofilum id.2053) on Ulcerative rectosigmoiditis

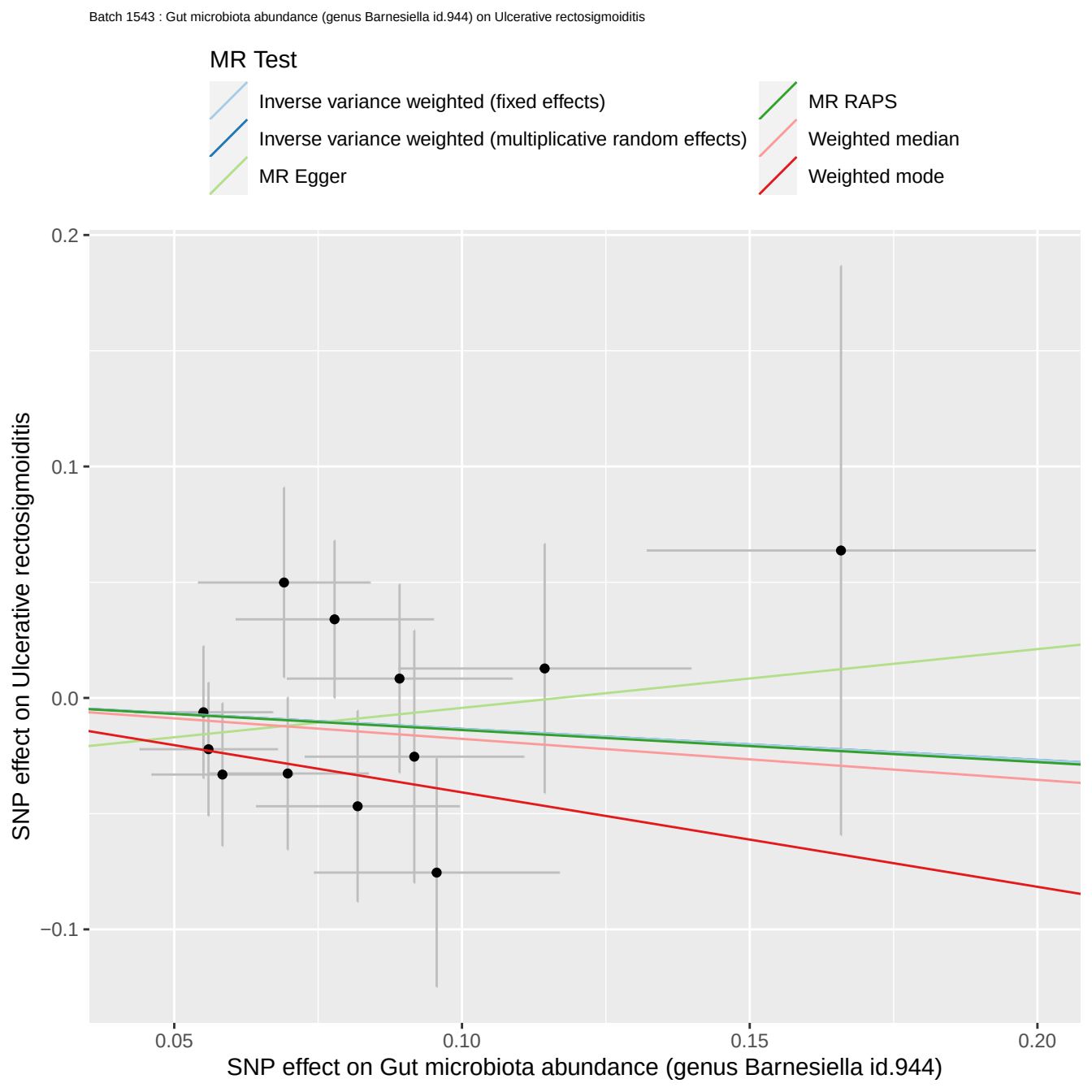


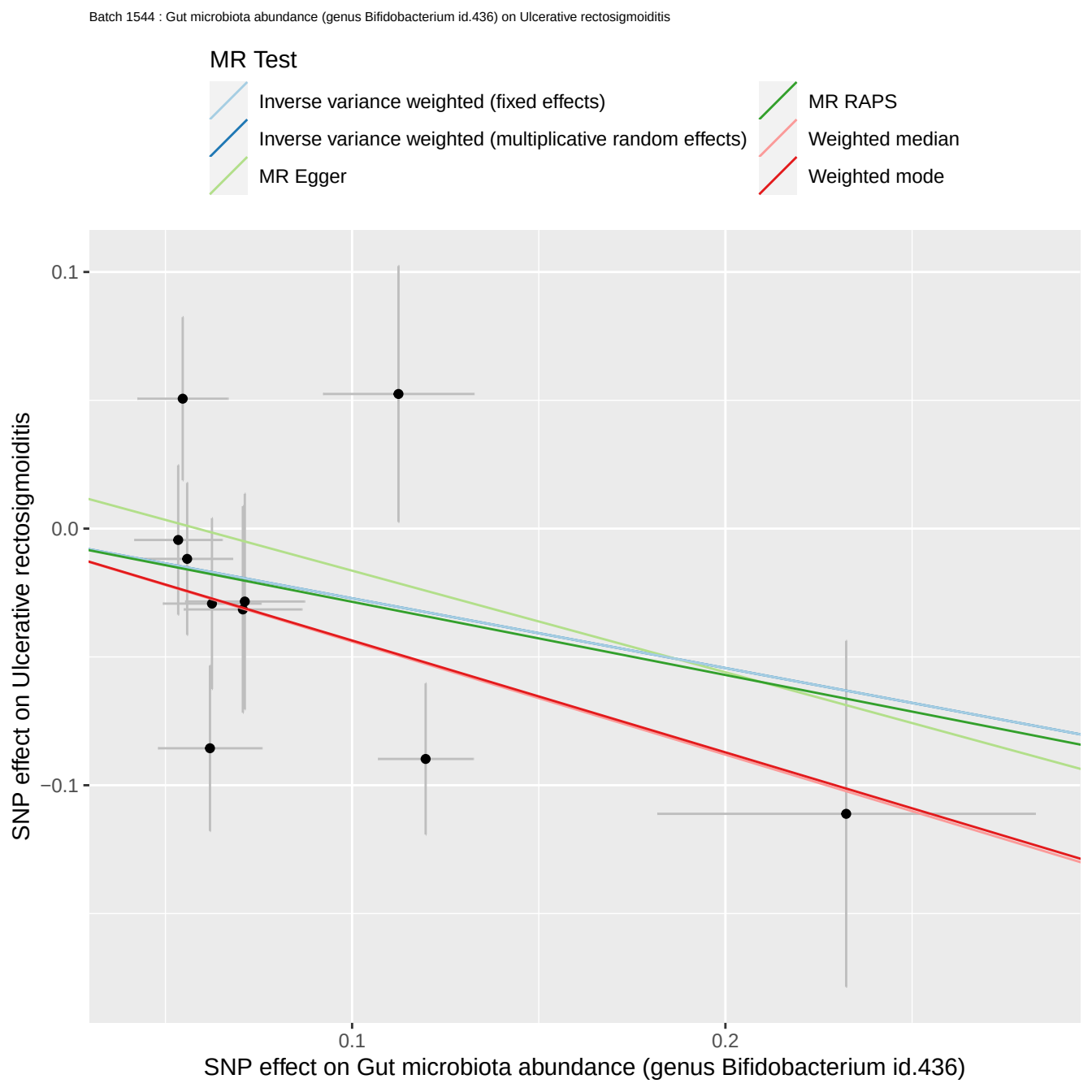

Batch 1540 : Gut microbiota abundance (genus Anaerostipes id.1991) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Anaerostipes id.1991)

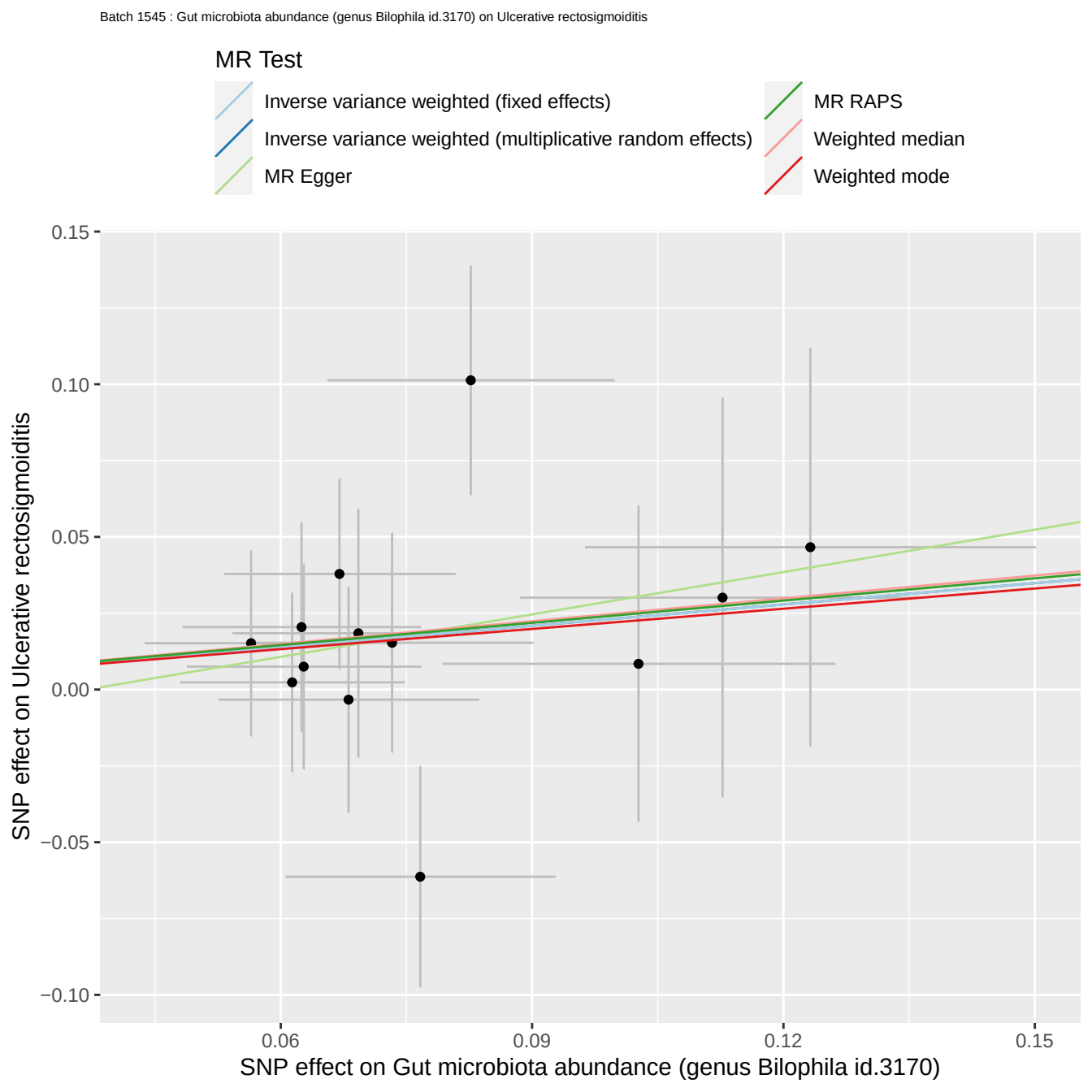
Batch 1541 : Gut microbiota abundance (genus Anaerotruncus id.2054) on Ulcerative rectosigmoiditis

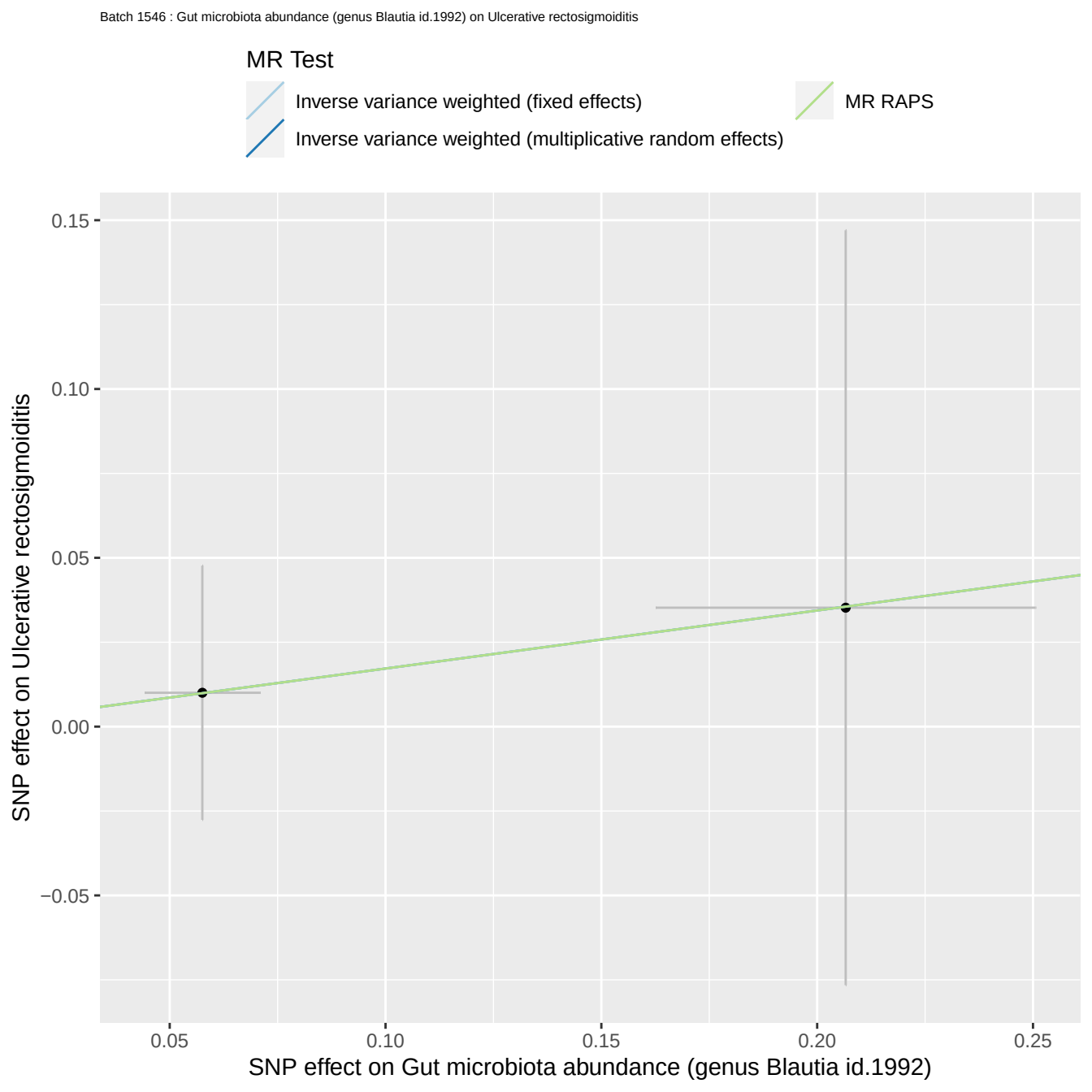


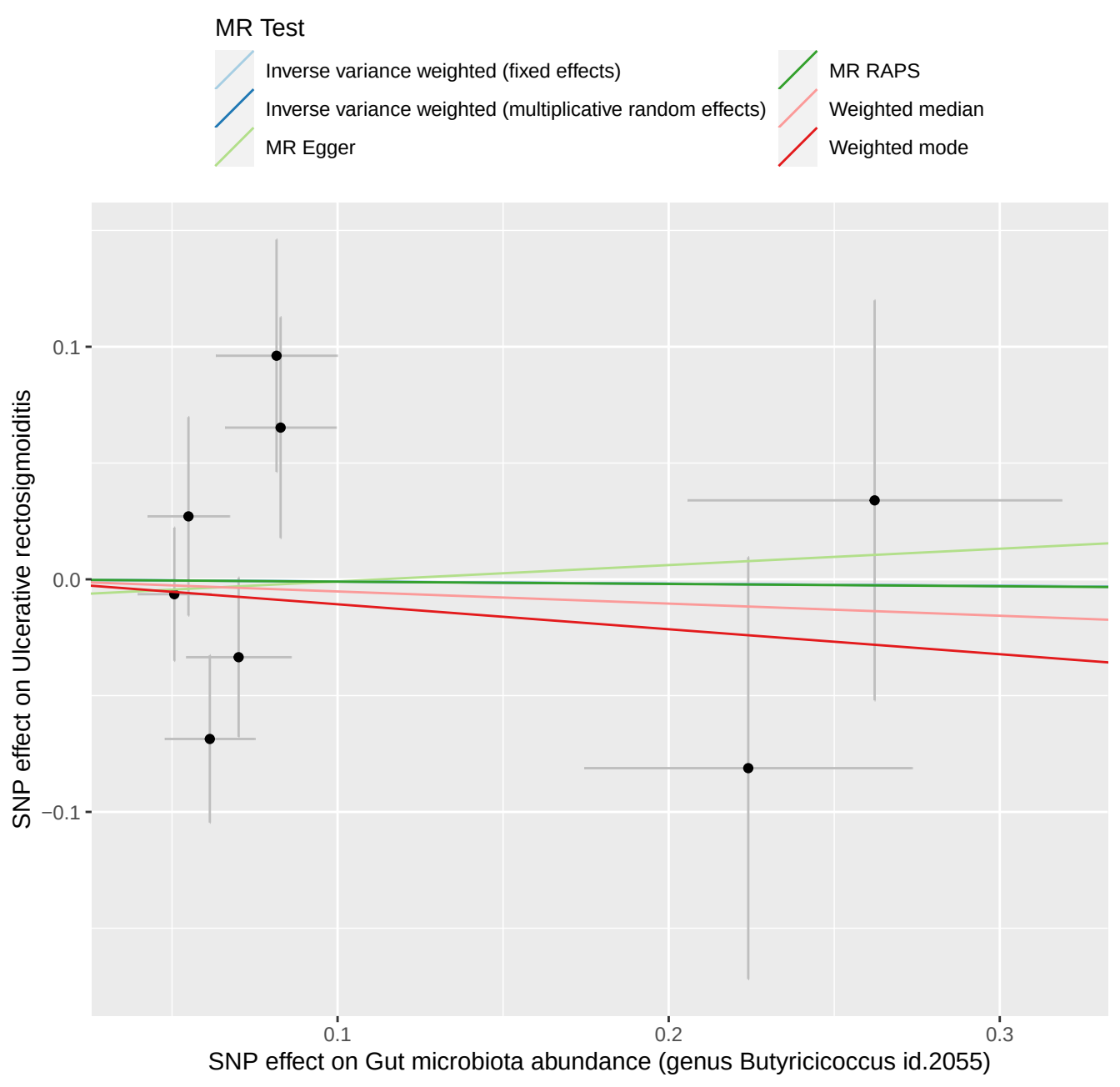

Batch 1542 : Gut microbiota abundance (genus Bacteroides id.918) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.05
0.07
0.09
0.11
SNP effect on Gut microbiota abundance (genus Bacteroides id.918)

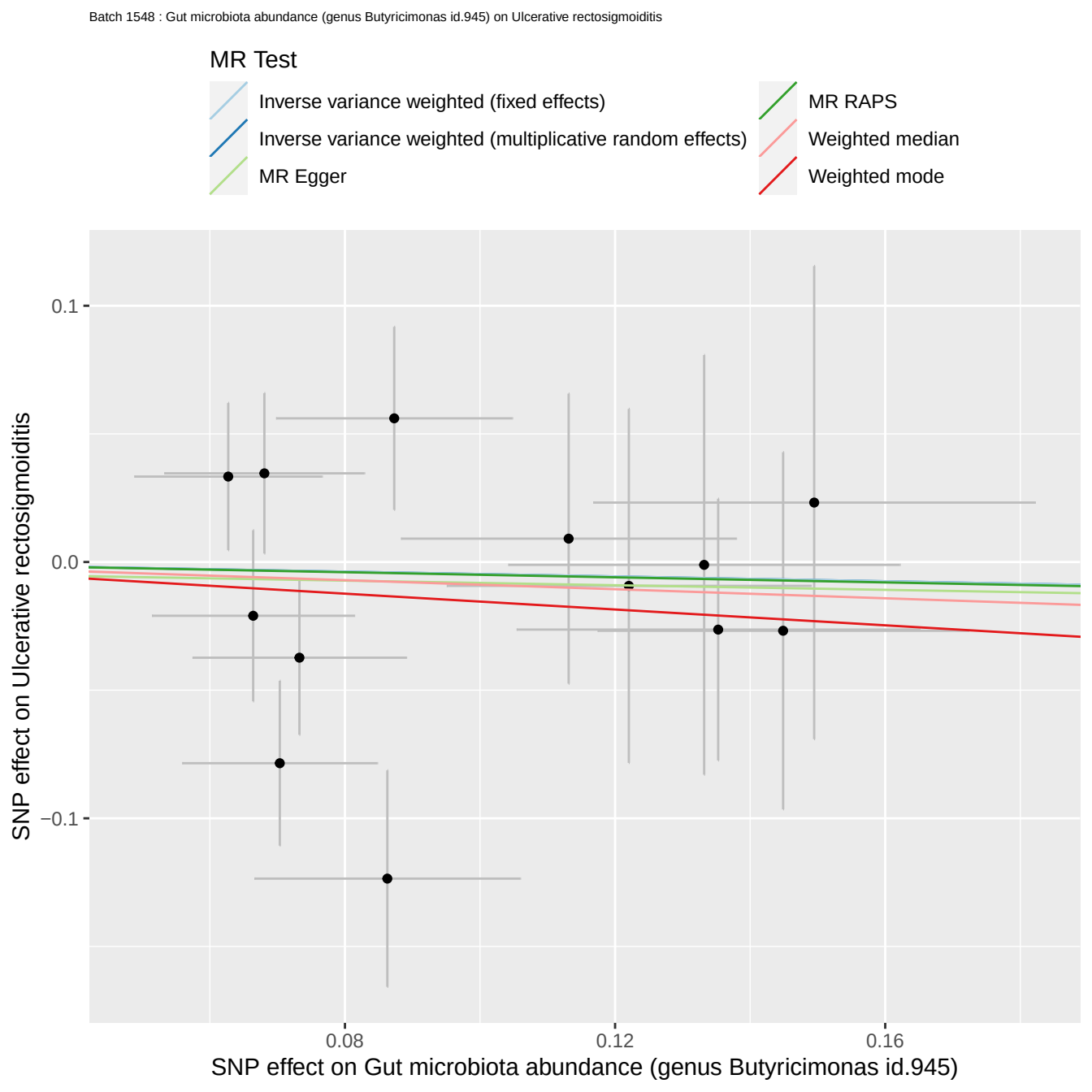

Batch 1543 : Gut microbiota abundance (genus Barnesiella id.944) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Barnesiella id.944)

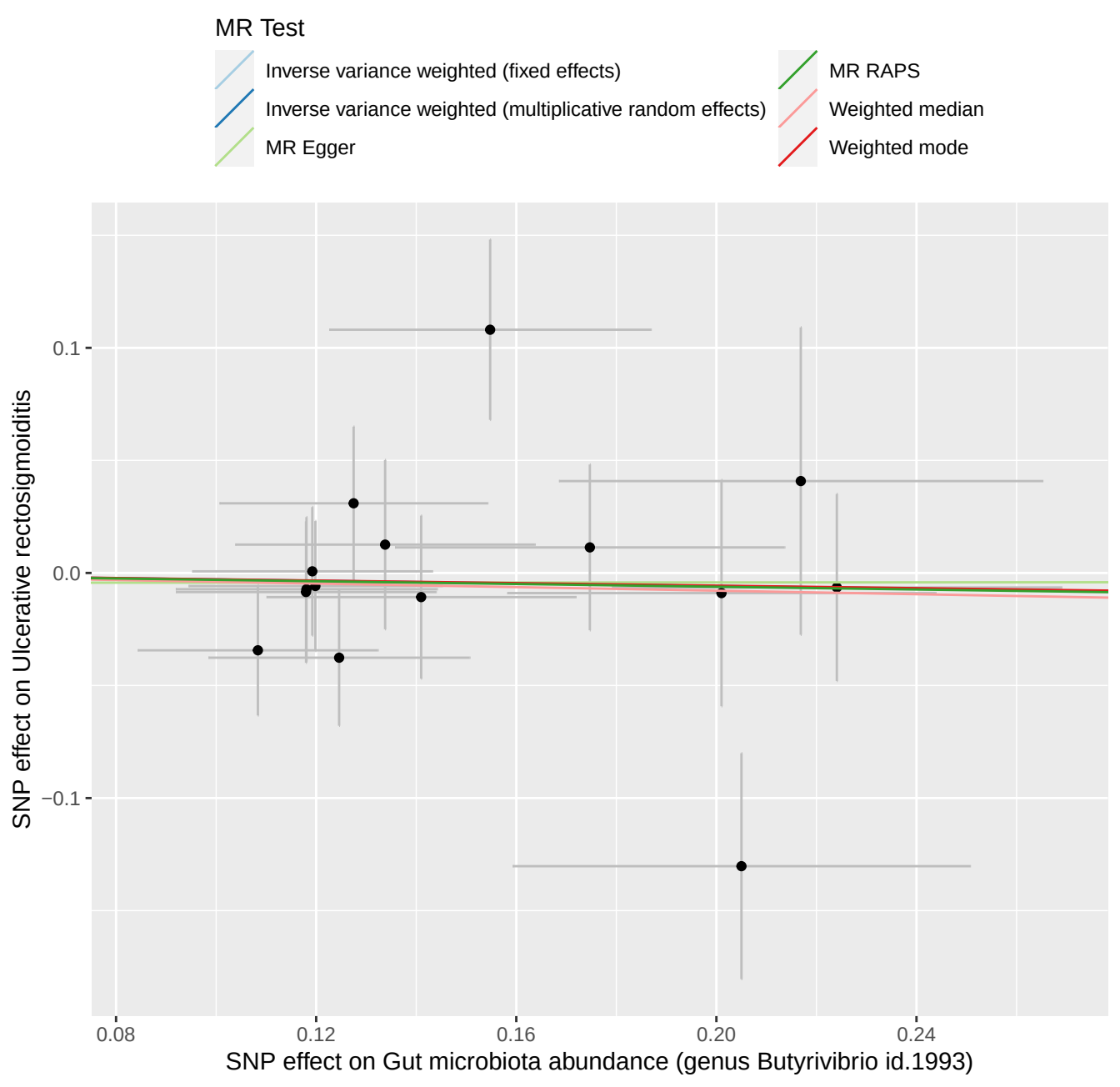

Batch 1544 : Gut microbiota abundance (genus Bifidobacterium id.436) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
0.1
0.2
SNP effect on Ulcerative rectosigmoiditis
SNP effect on Gut microbiota abundance (genus Bifidobacterium id.436)

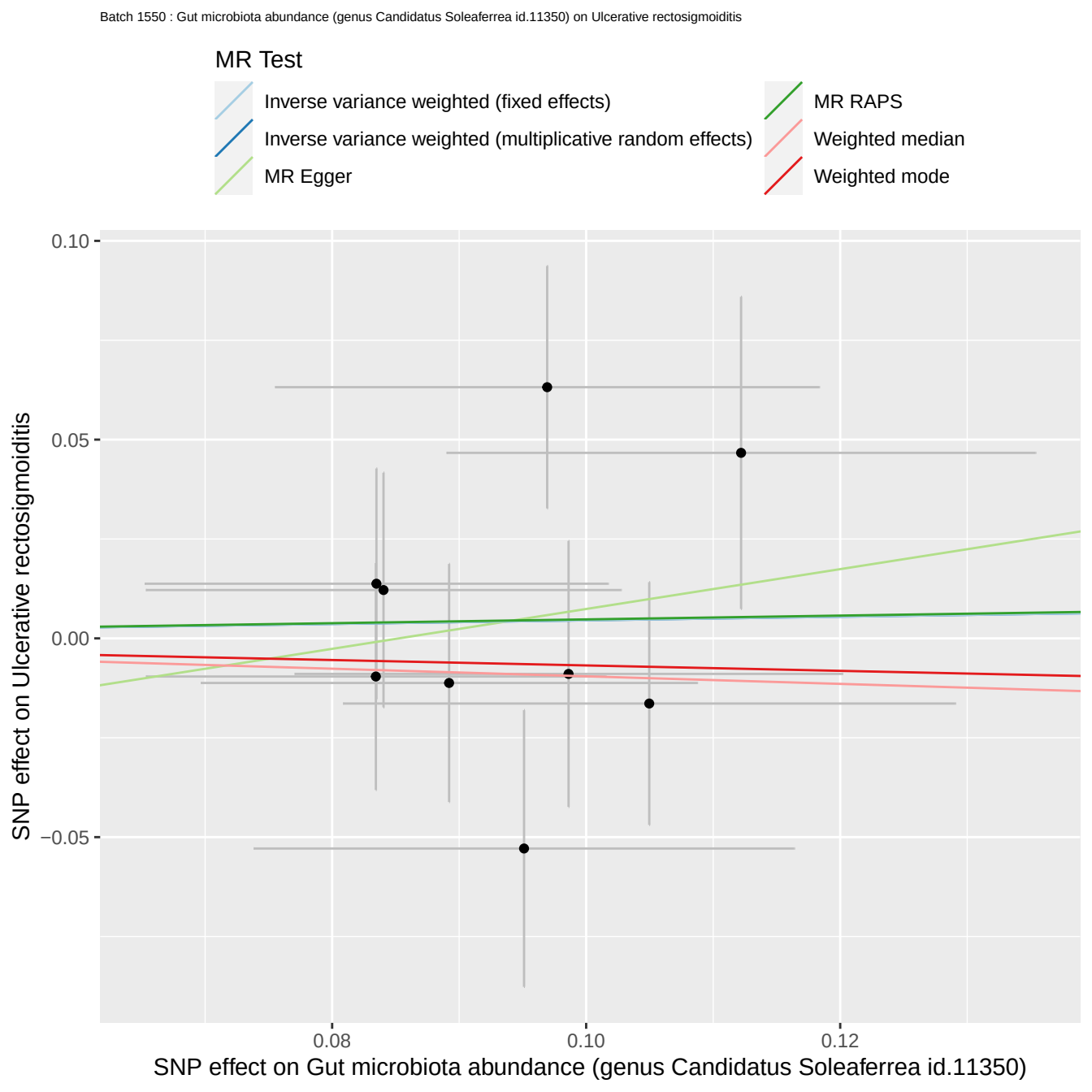

Batch 1545 : Gut microbiota abundance (genus Bilophila id.3170) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Bilophila id.3170)

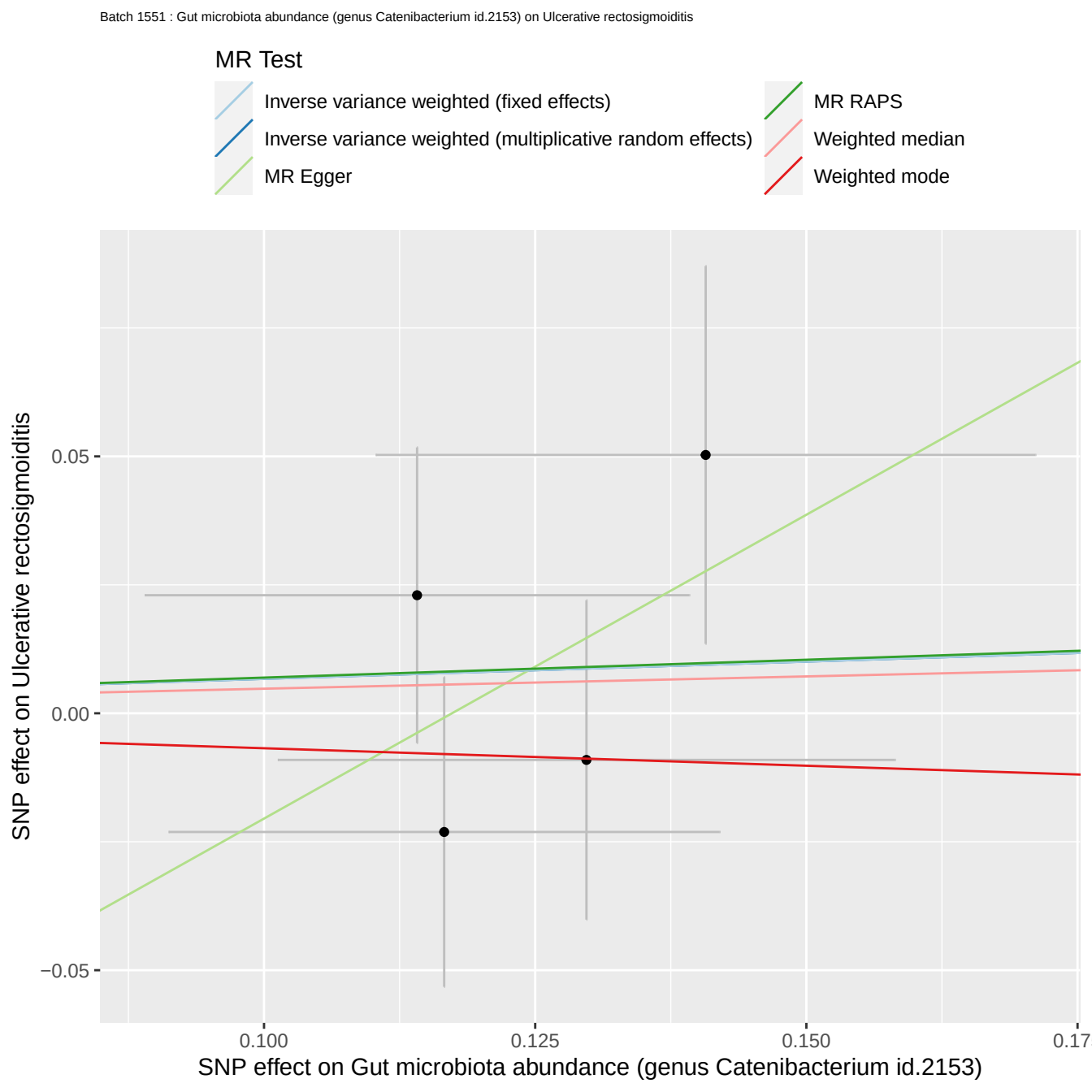

Batch 1546 : Gut microbiota abundance (genus Blautia id.1992) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
0.15
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative rectosigmoiditis
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Blautia id.1992)

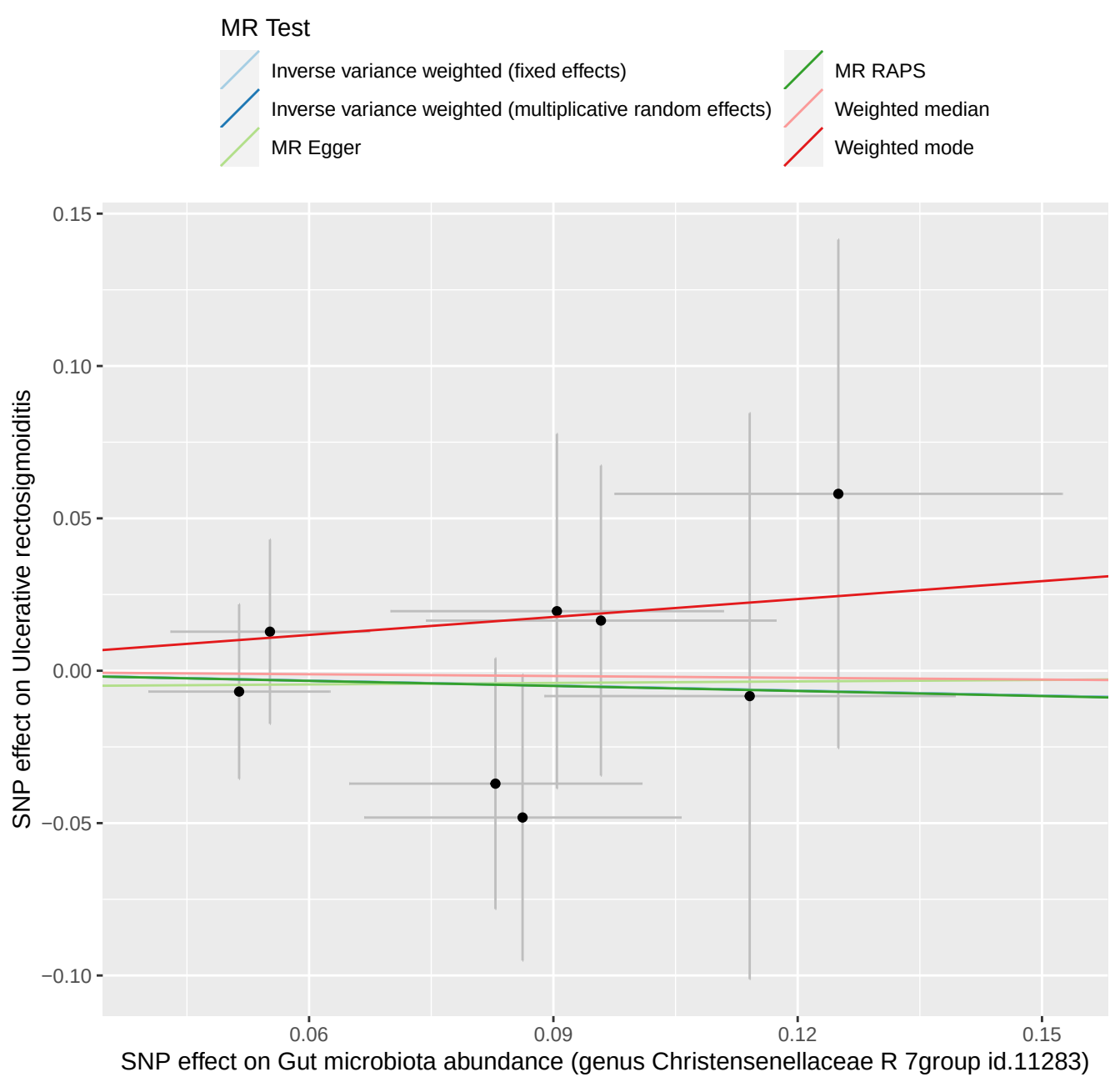

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Butyricicoccus id.2055)


Batch 1548 : Gut microbiota abundance (genus Butyricimonas id.945) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Butyricimonas id.945)

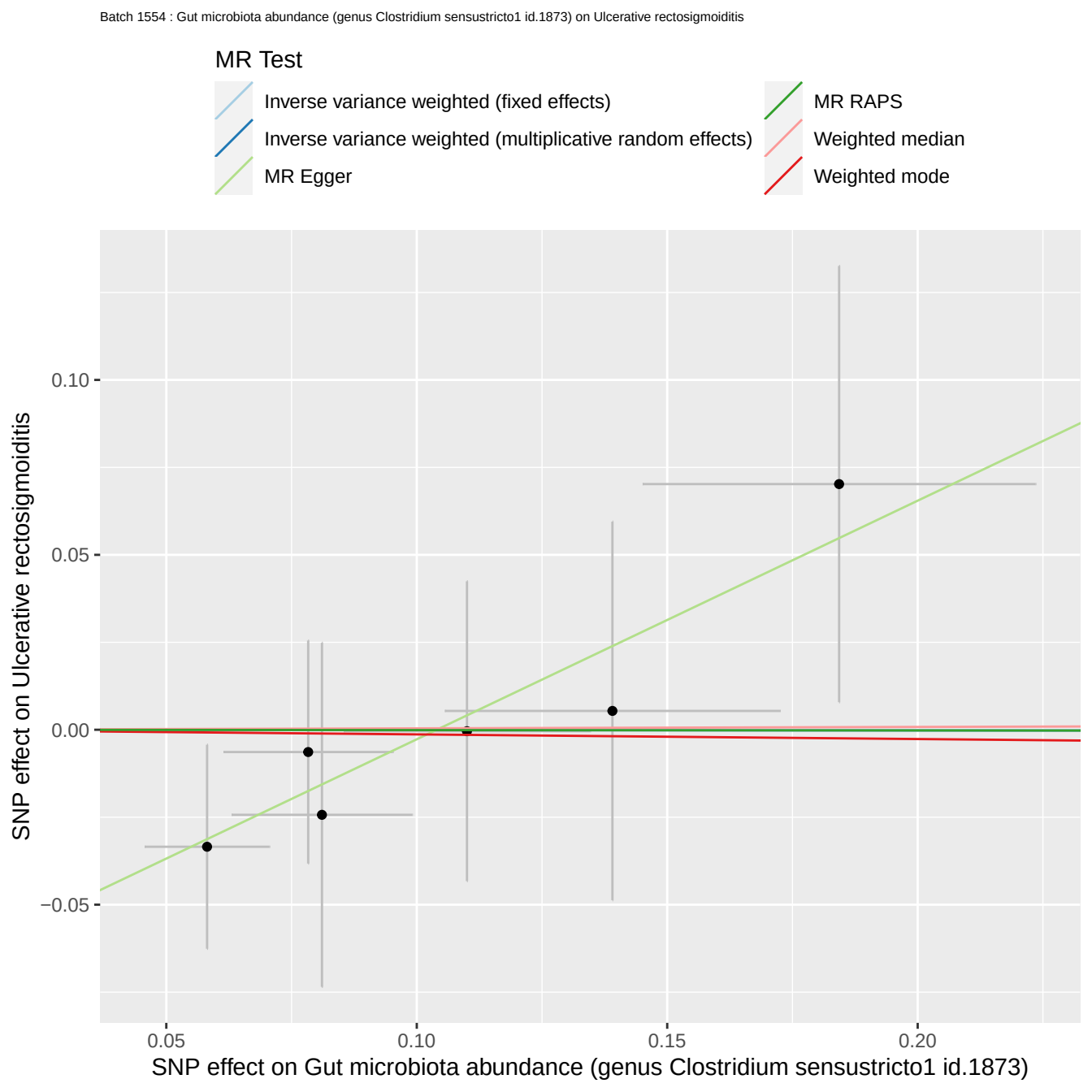

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Butyrivibrio id.1993)

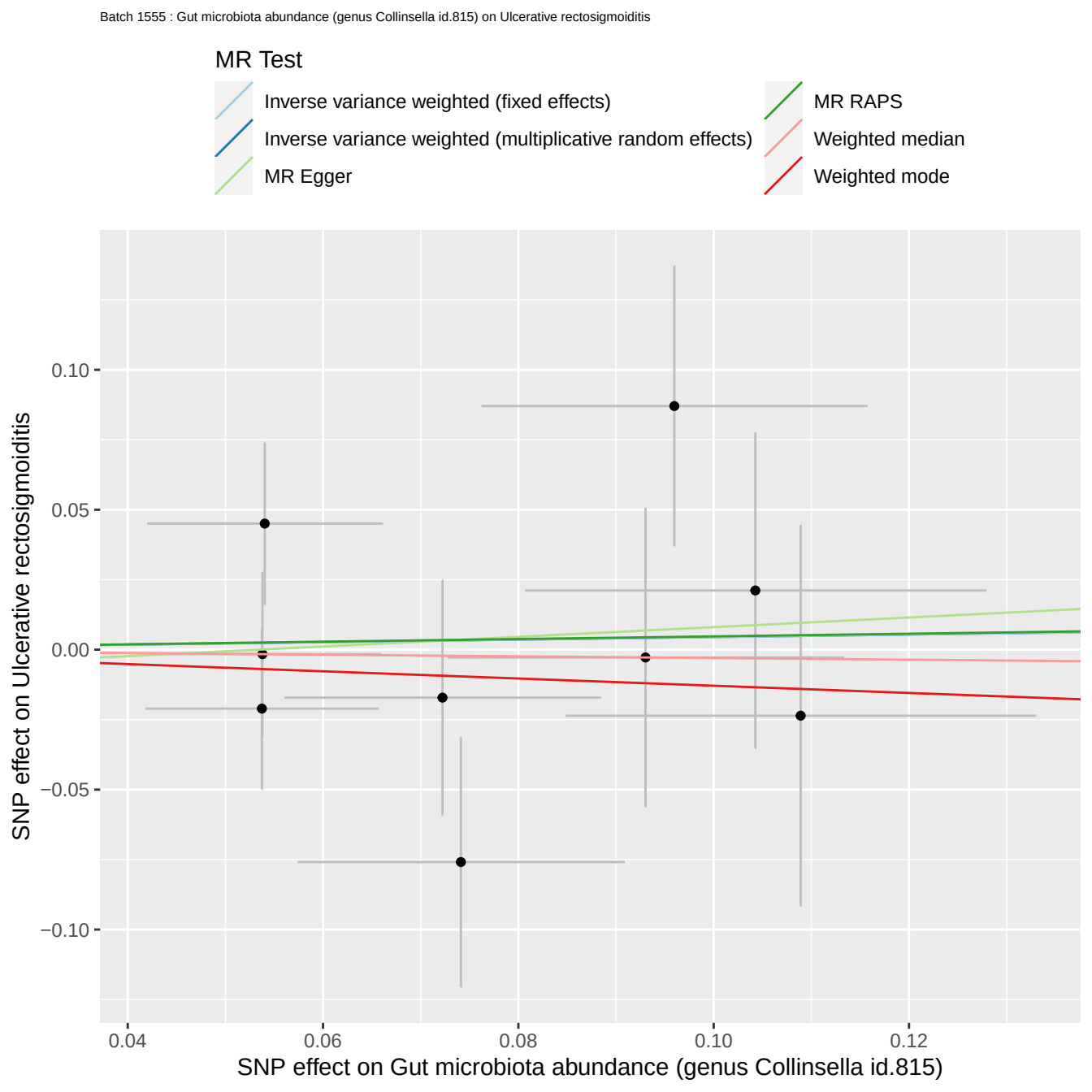

Batch 1550 : Gut microbiota abundance (genus Candidatus Soleaferrea id.11350) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
SNP effect on Ulcerative rectosigmoiditis
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Candidatus Soleaferrea id.11350)

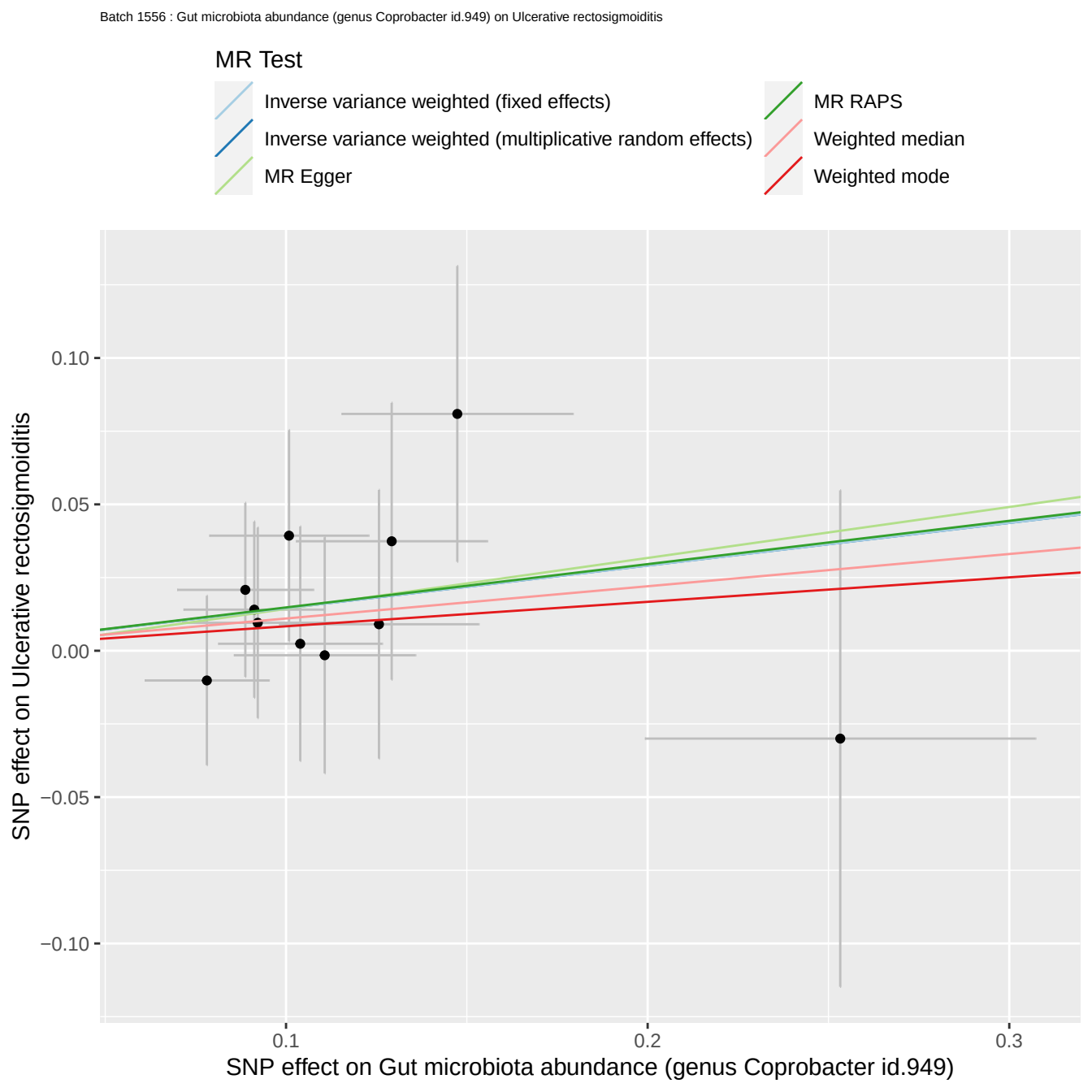

Batch 1551 : Gut microbiota abundance (genus Catenibacterium id.2153) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.100
0.125
0.150
0.17
SNP effect on Gut microbiota abundance (genus Catenibacterium id.2153)

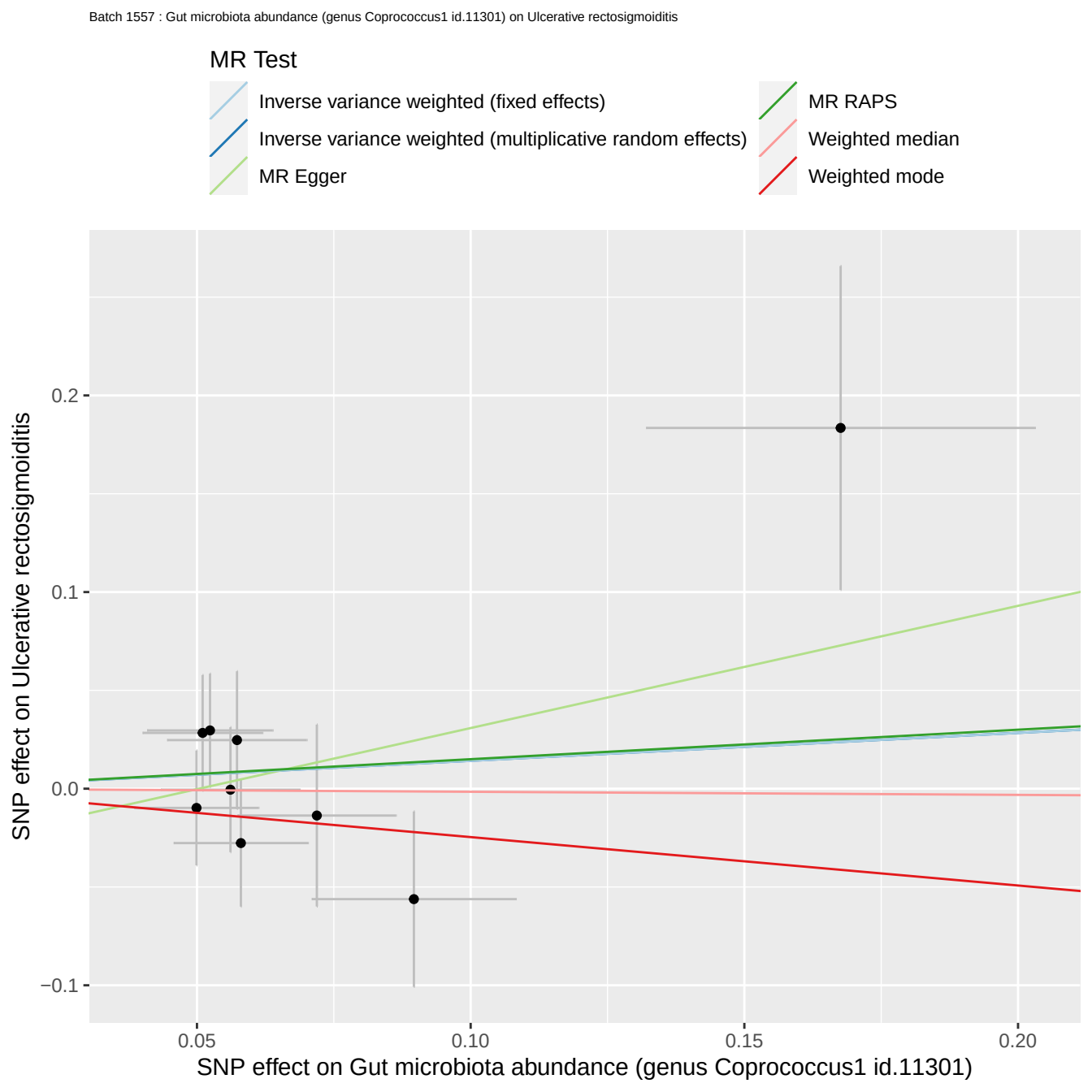

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.15
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Christensenellaceae R 7group id.11283)

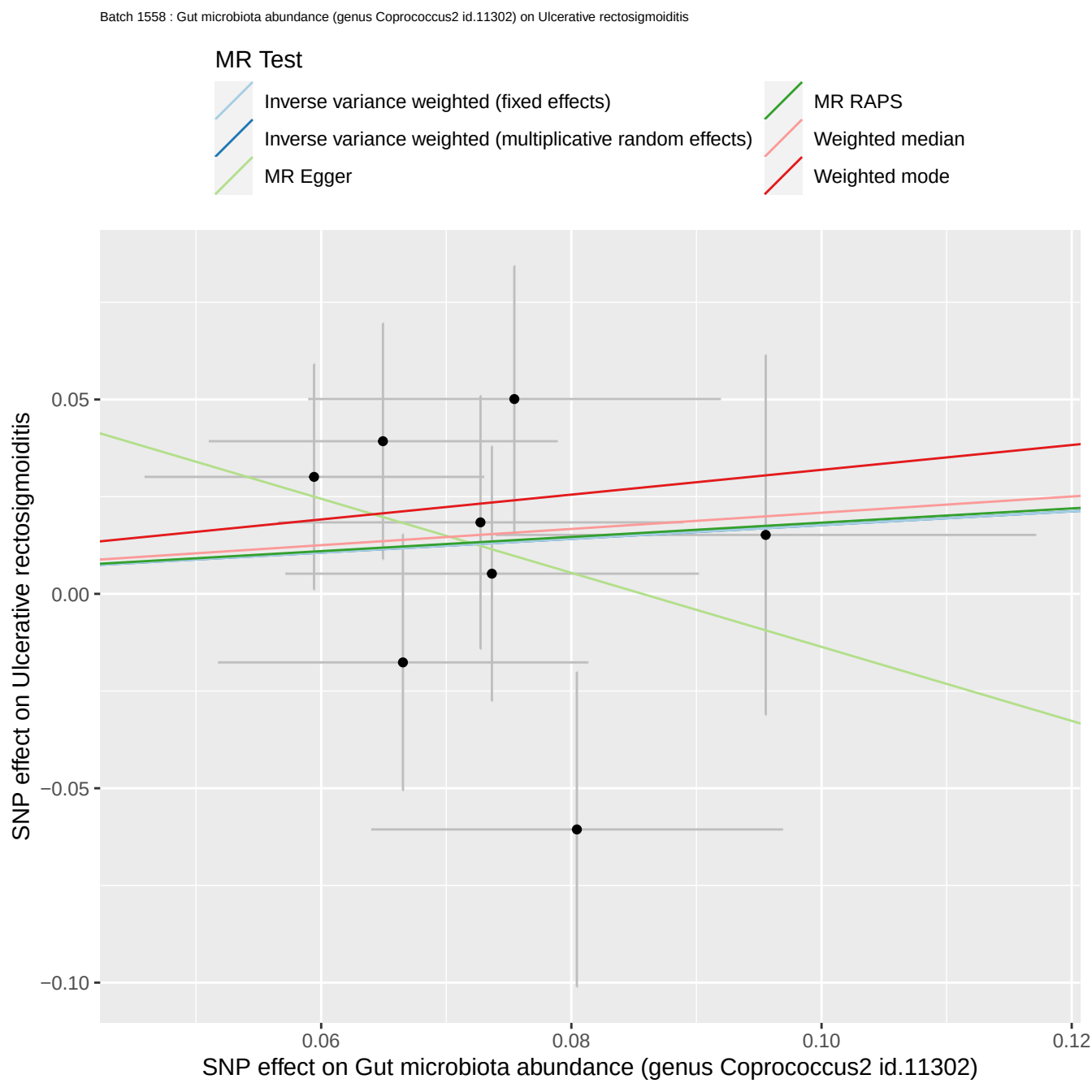
Batch 1553 : Gut microbiota abundance (genus Clostridium innocuum group id.14397) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Clostridium innocuum group id.14397)

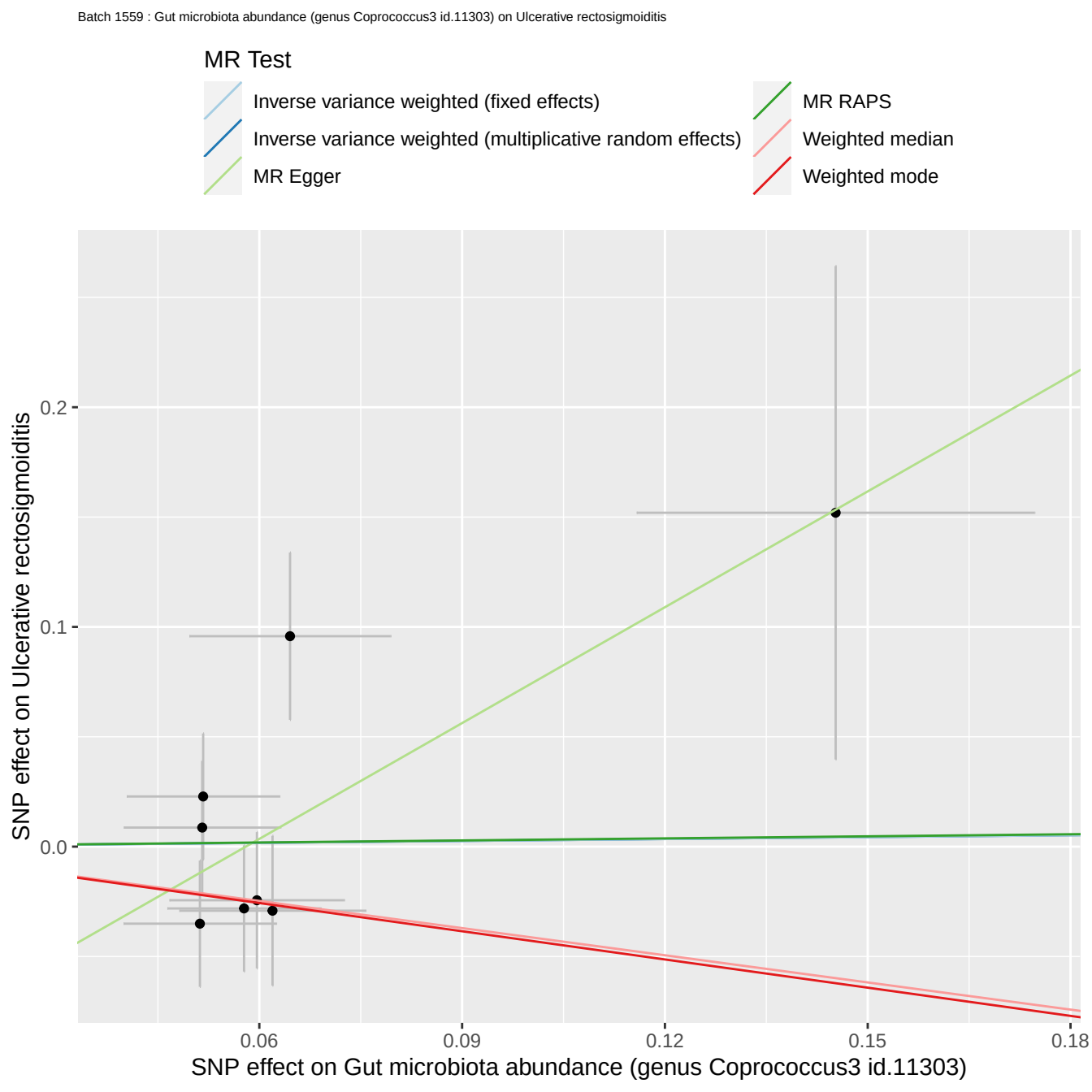

Batch 1554 : Gut microbiota abundance (genus Clostridium sensustricto1 id.1873) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Clostridium sensustricto1 id.1873)

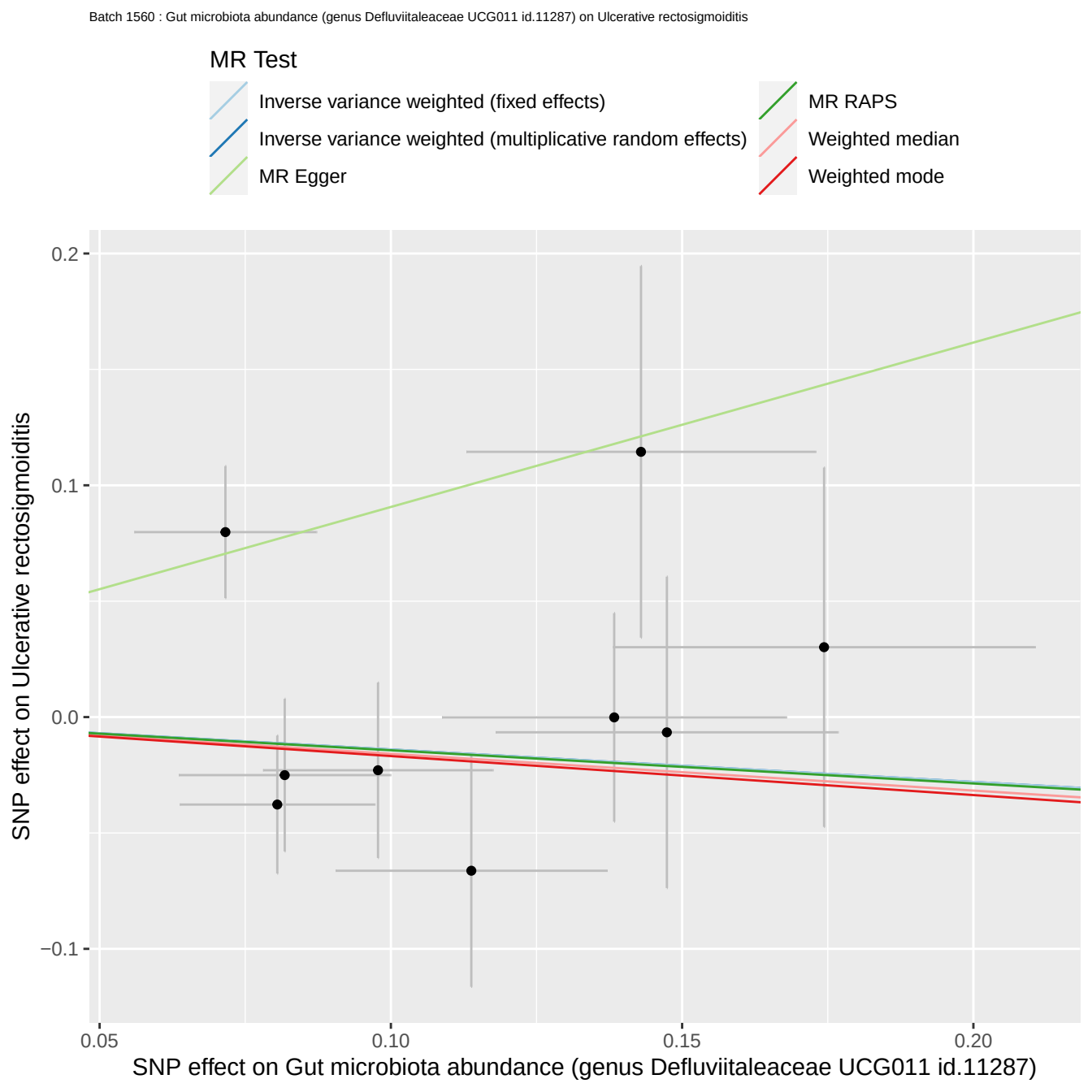

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.04
0.06
0.08
0.10
0.12
SNP effect on Gut microbiota abundance (genus Collinsella id.815)

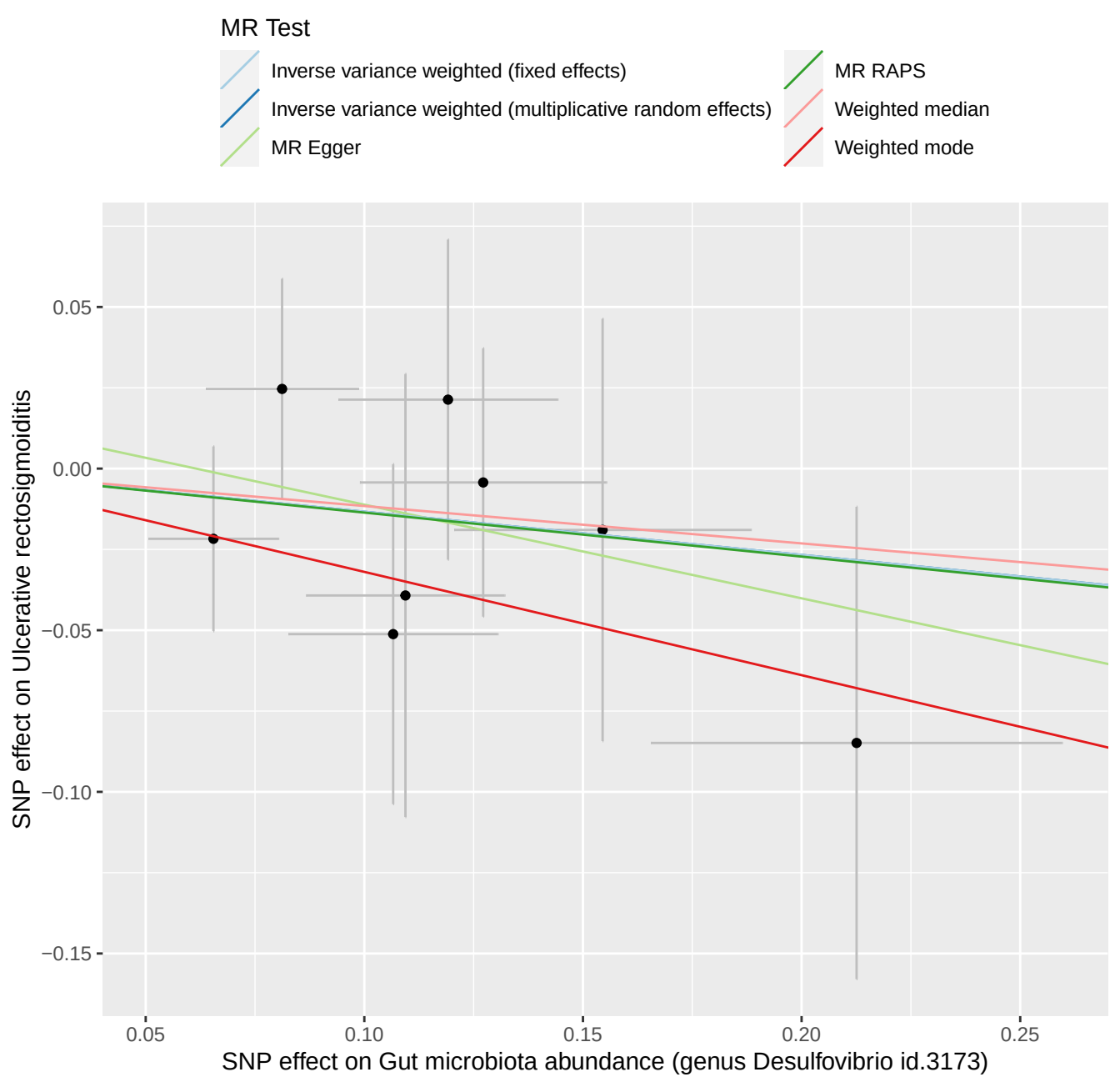

Batch 1556 : Gut microbiota abundance (genus Coprobacter id.949) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Coprobacter id.949)

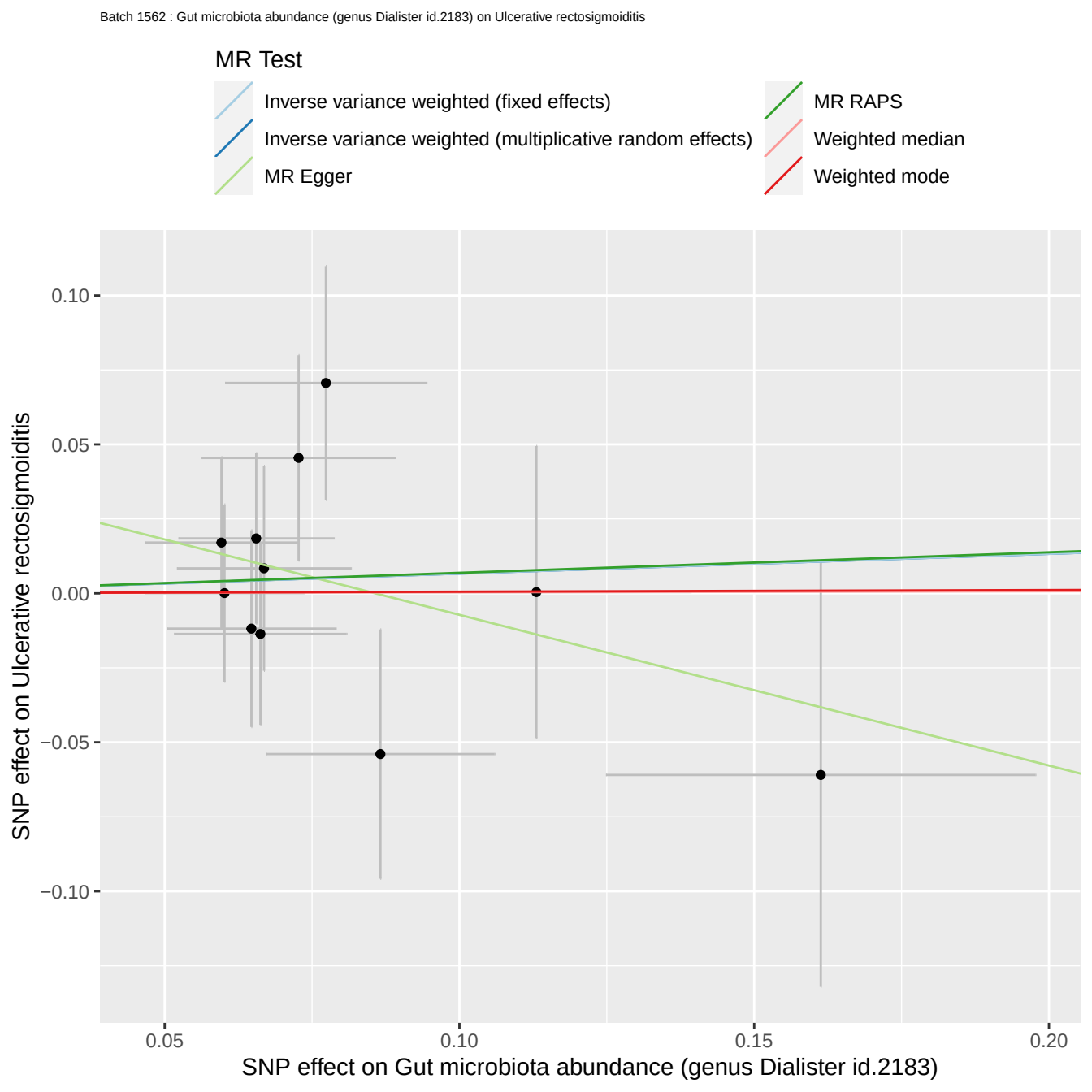

Batch 1557 : Gut microbiota abundance (genus Coprococcus1 id.11301) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Coprococcus1 id.11301)

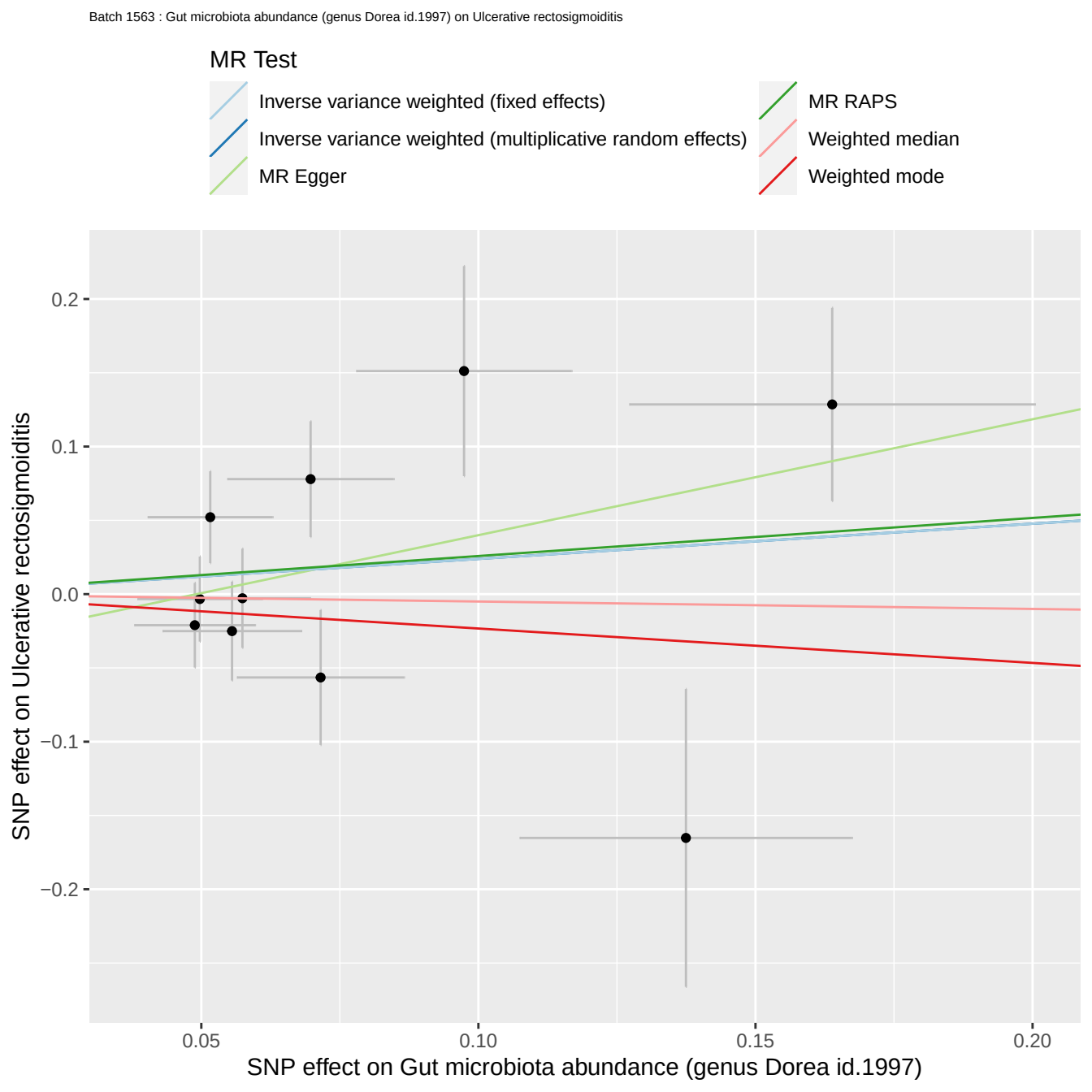

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
0.06
0.08
0.10
0.12
SNP effect on Ulcerative rectosigmoiditis
SNP effect on Gut microbiota abundance (genus Coprococcus2 id.11302)


Batch 1559 : Gut microbiota abundance (genus Coprococcus3 id.11303) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
0.06
0.09
0.12
0.15
0.18
SNP effect on Gut microbiota abundance (genus Coprococcus3 id.11303)

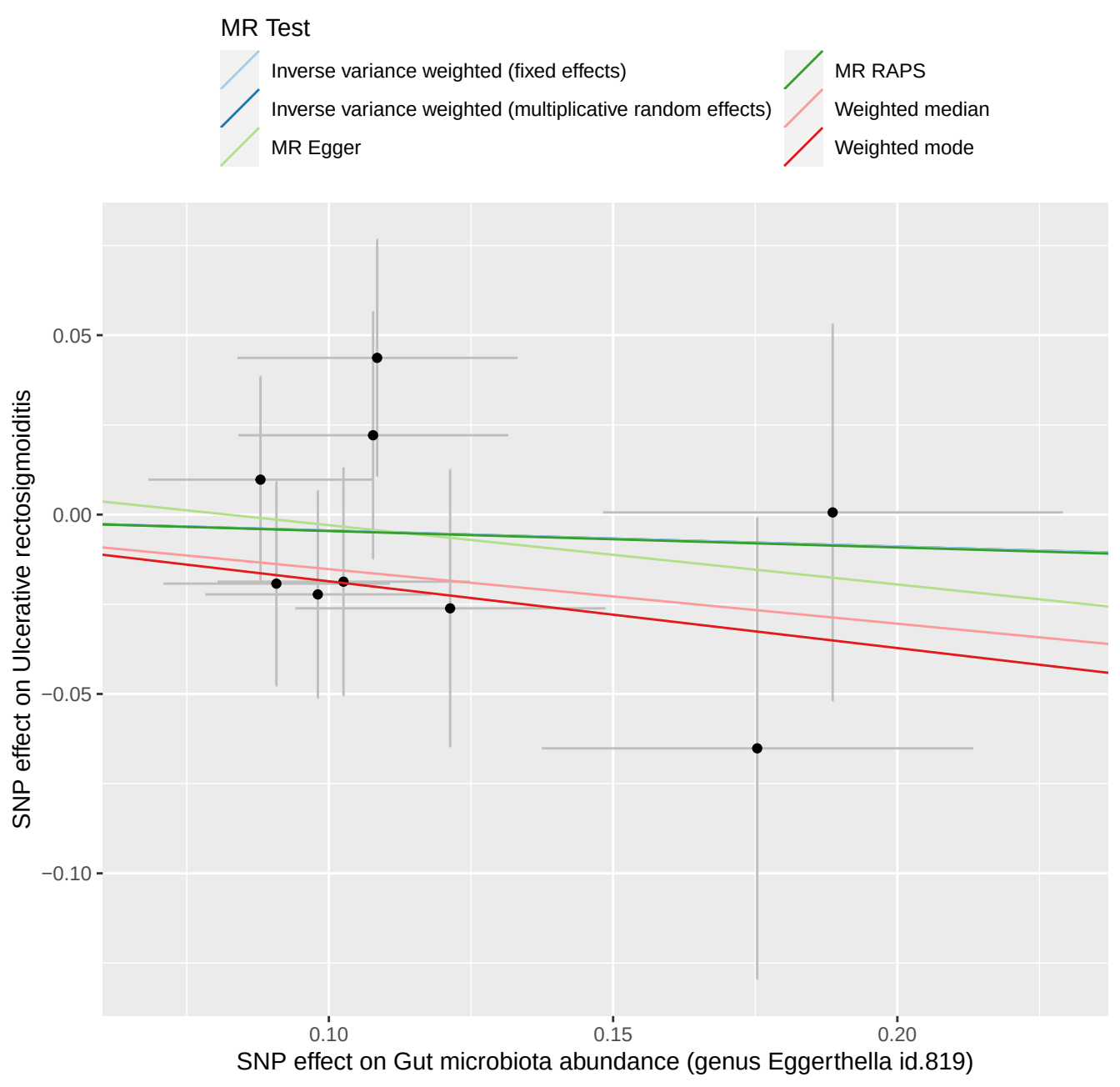

Batch 1560 : Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Defluviitaleaceae UCG011 id.11287)

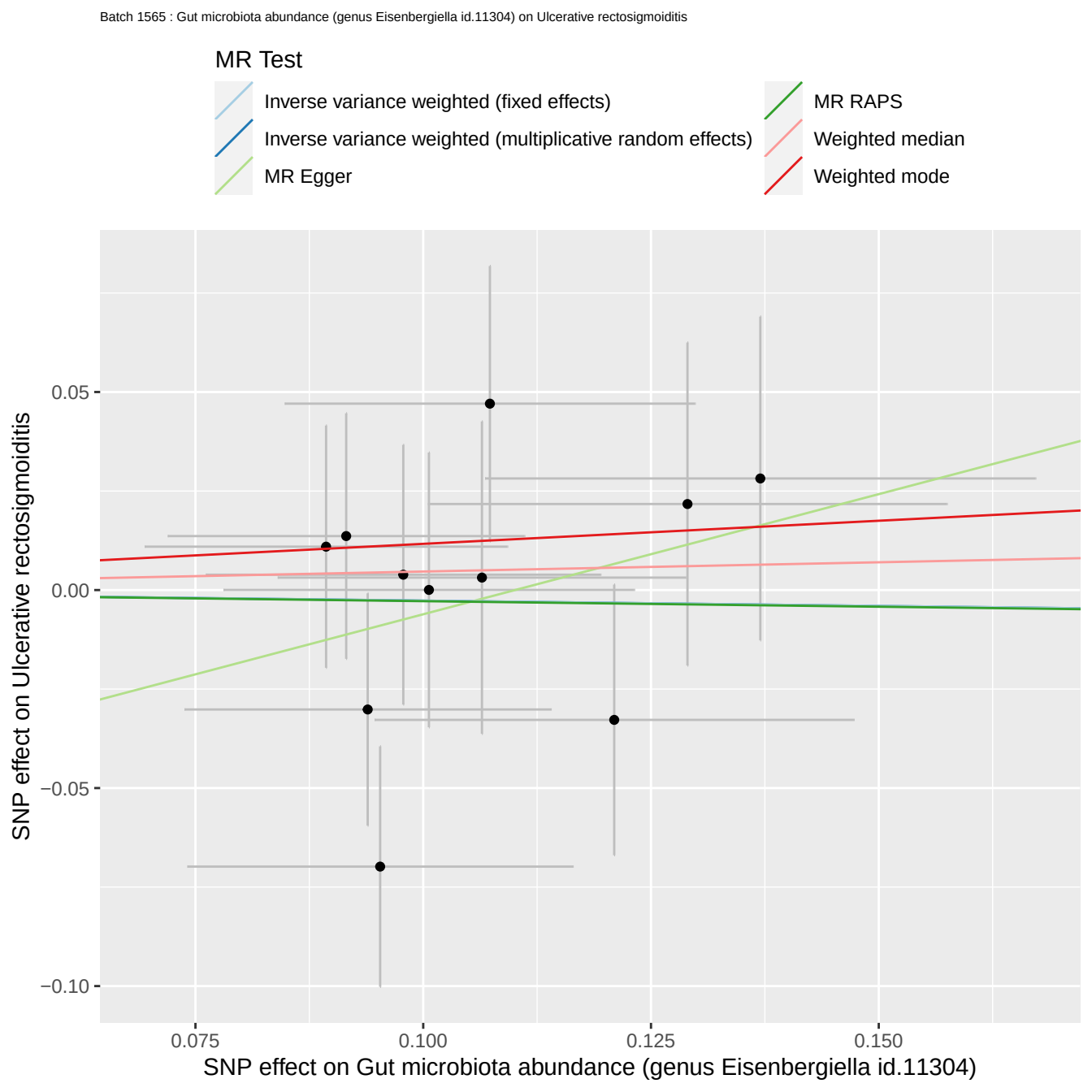

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
−0.15
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Desulfovibrio id.3173)


Batch 1562 : Gut microbiota abundance (genus Dialister id.2183) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dialister id.2183)

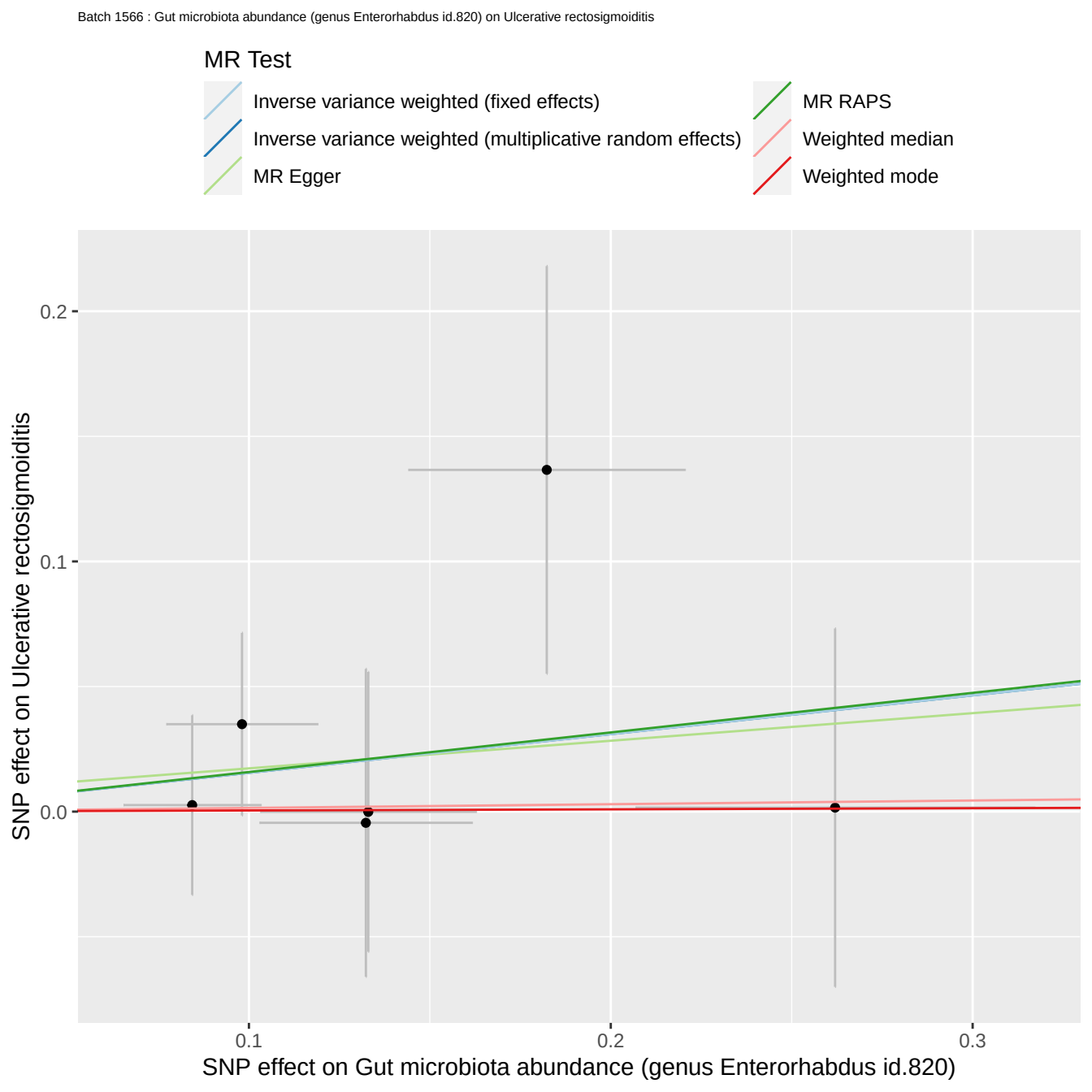

Batch 1563 : Gut microbiota abundance (genus Dorea id.1997) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Dorea id.1997)

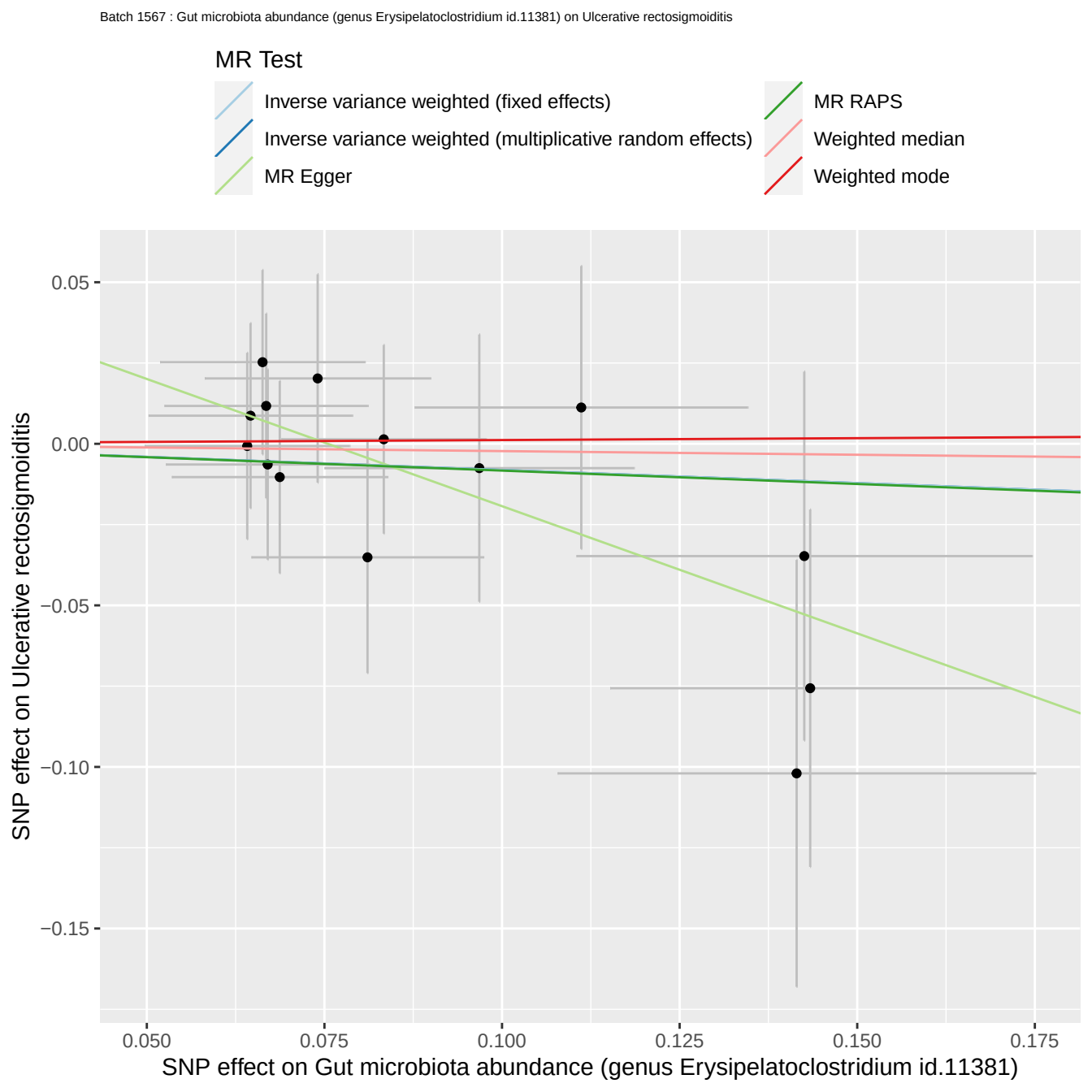
Batch 1564 : Gut microbiota abundance (genus Eggerthella id.819) on Ulcerative rectosigmoiditis




Batch 1565 : Gut microbiota abundance (genus Eisenbergiella id.11304) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eisenbergiella id.11304)

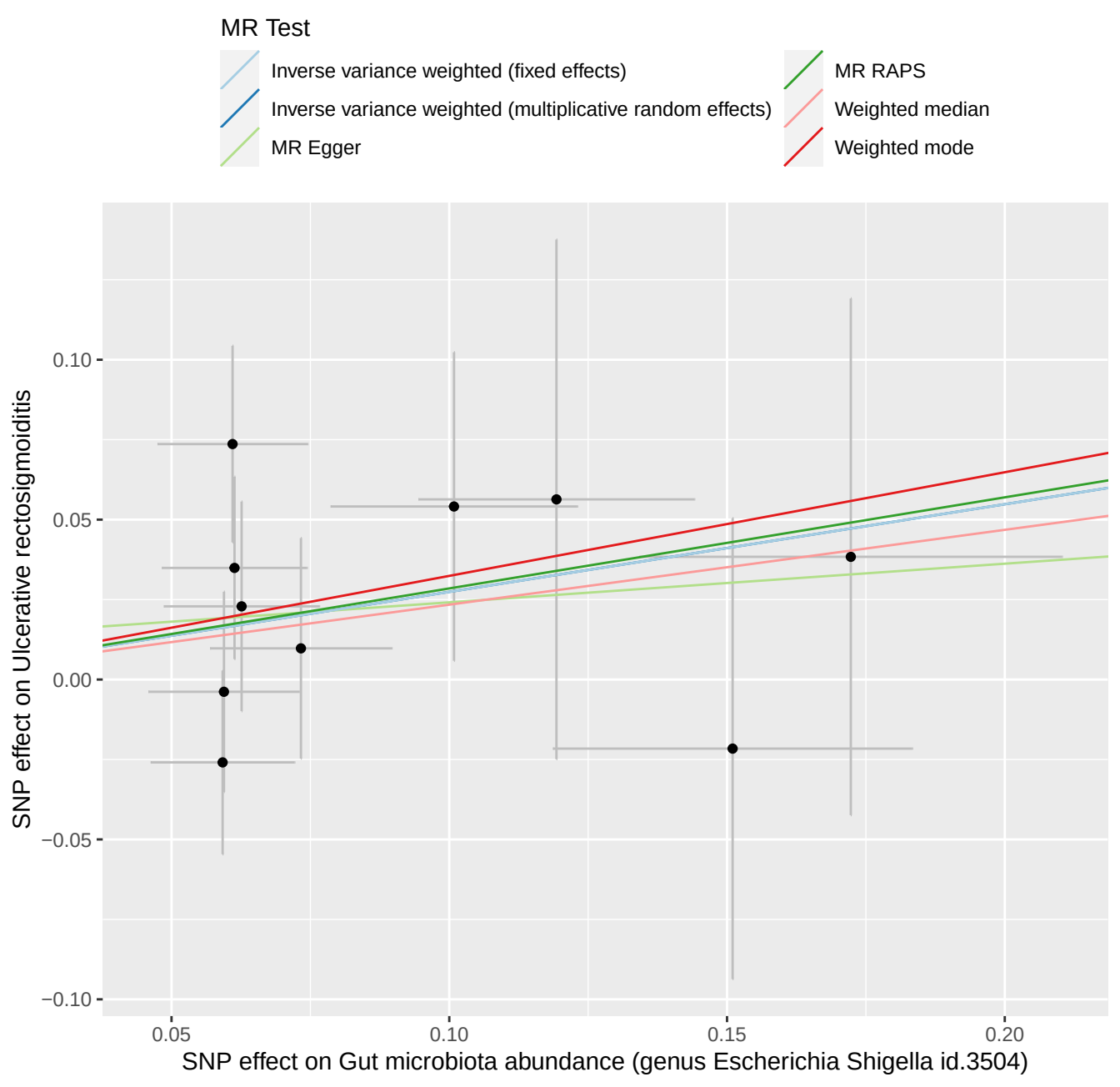
Batch 1566 : Gut microbiota abundance (genus Enterorhabdus id.820) on Ulcerative rectosigmoiditis

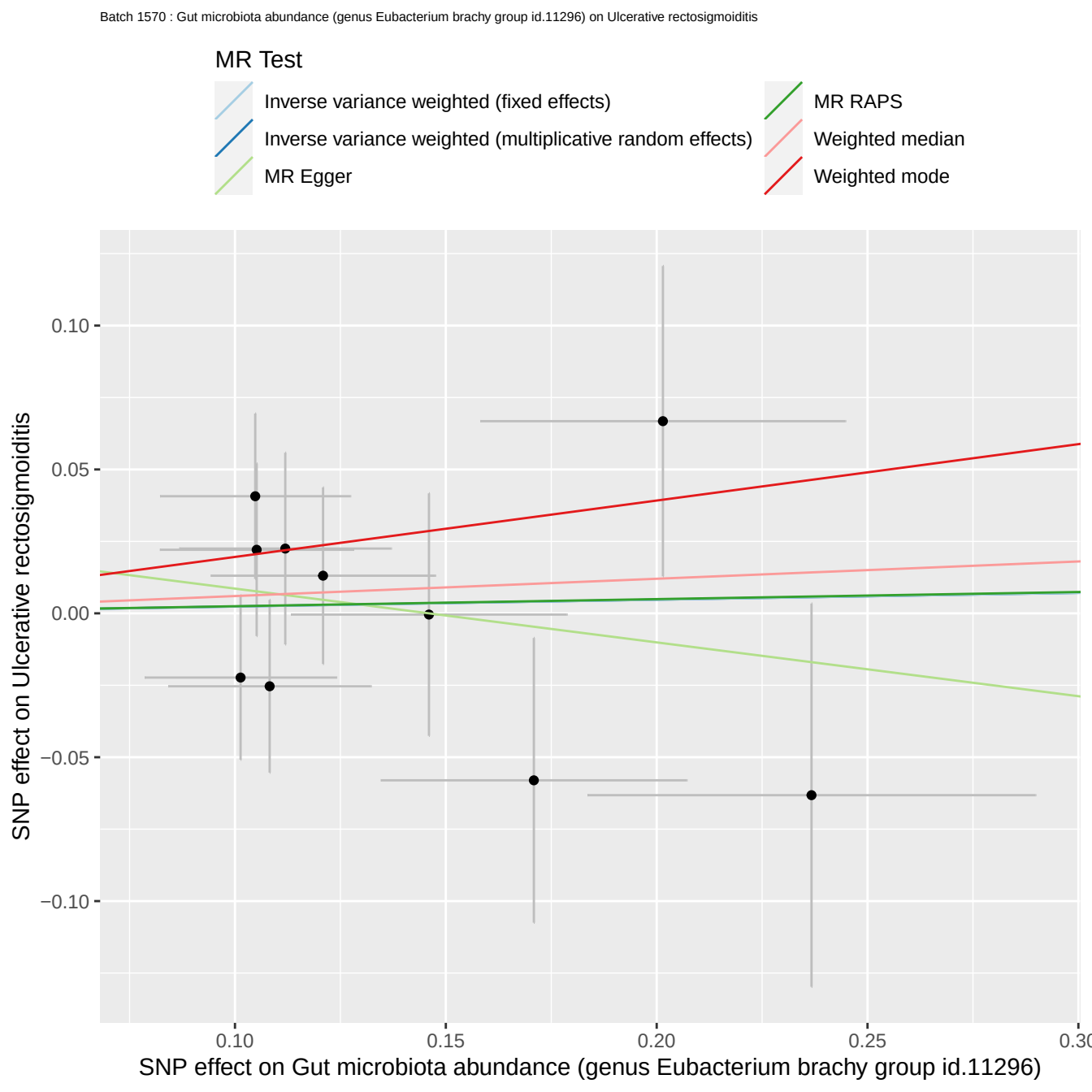


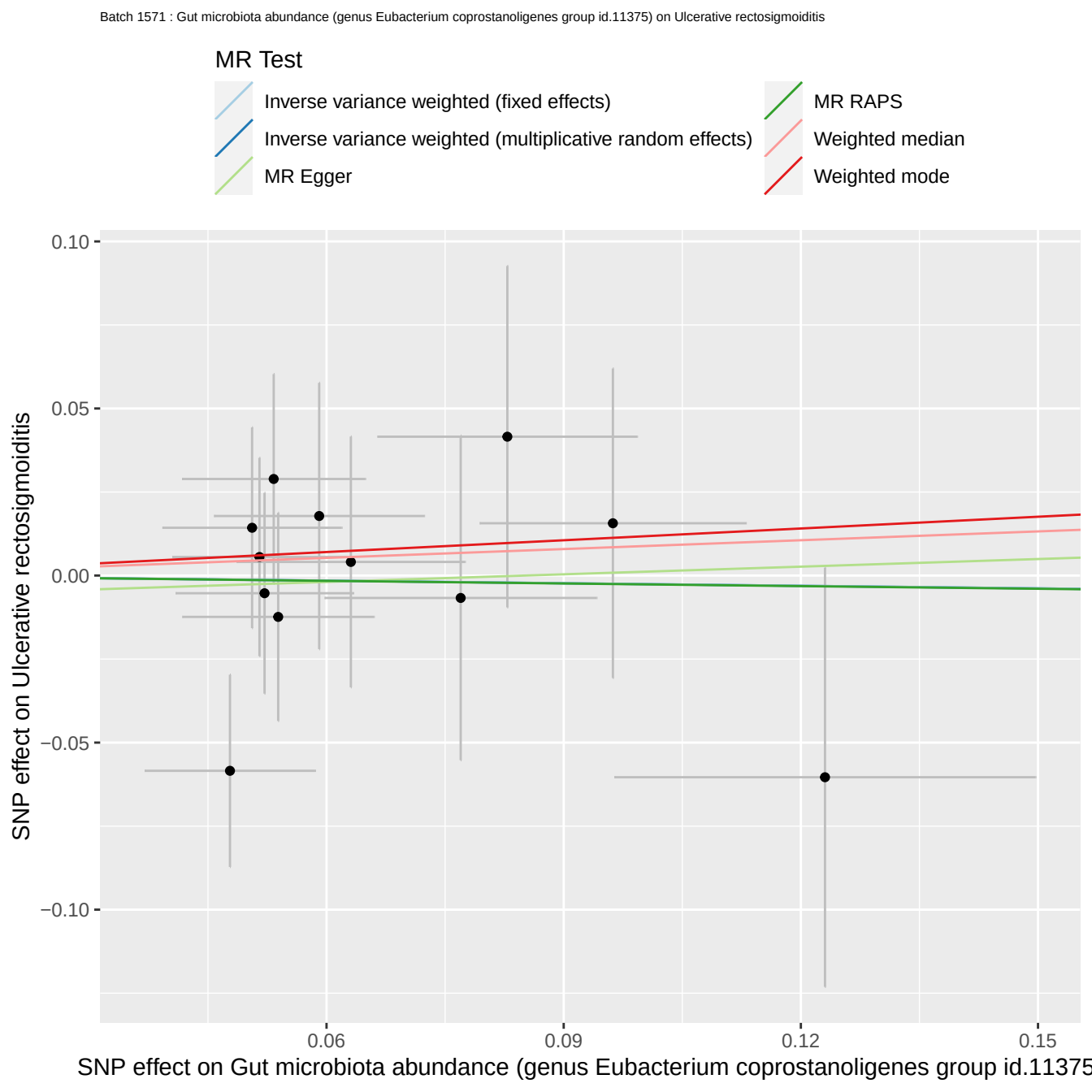

Batch 1567 : Gut microbiota abundance (genus Erysipelatoclostridium id.11381) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
−0.15
0.050
0.075
0.100
0.125
0.150
0.175
SNP effect on Gut microbiota abundance (genus Erysipelatoclostridium id.11381)

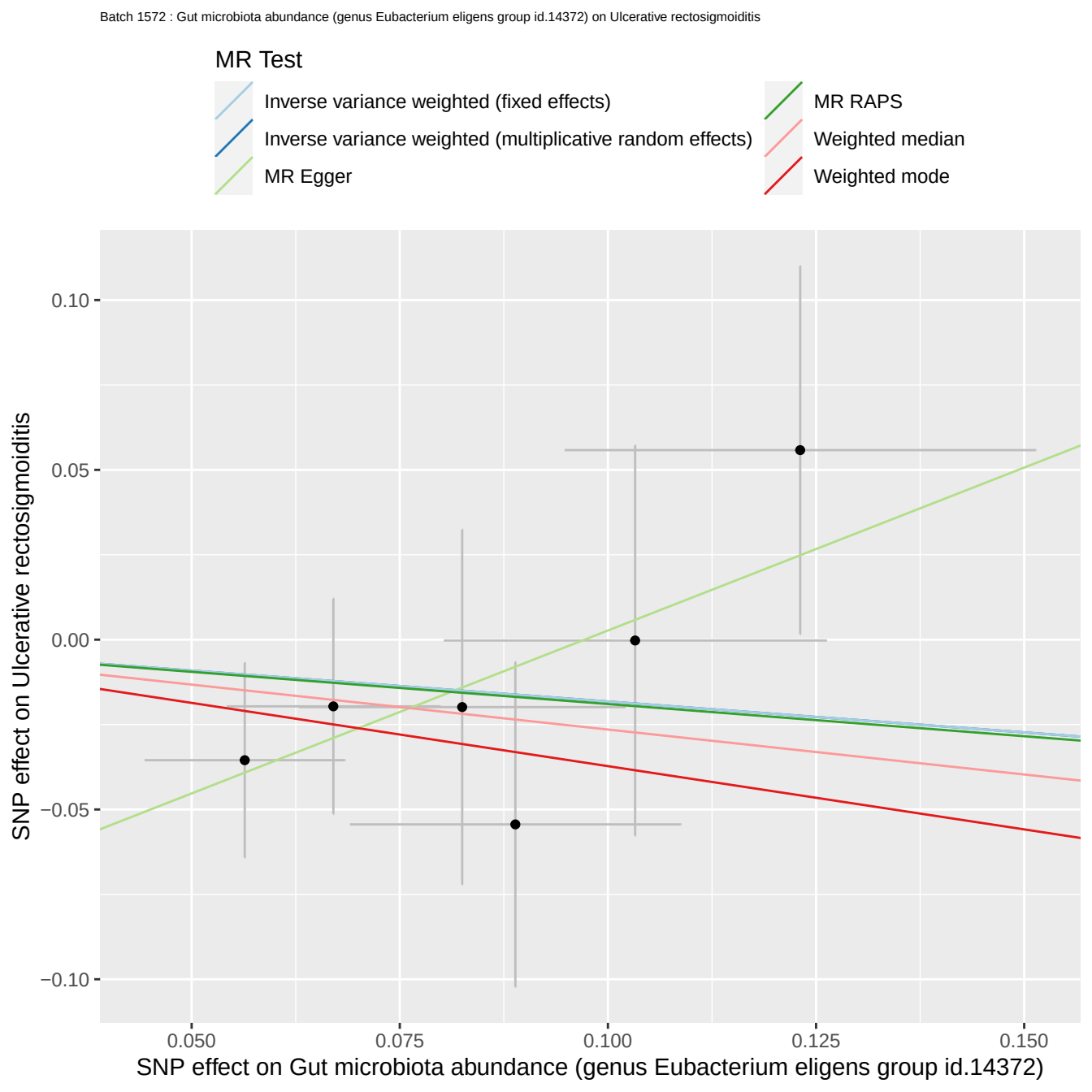
Insufficient number of SNPs

Batch 1569 : Gut microbiota abundance (genus Escherichia Shigella id.3504) on Ulcerative rectosigmoiditis

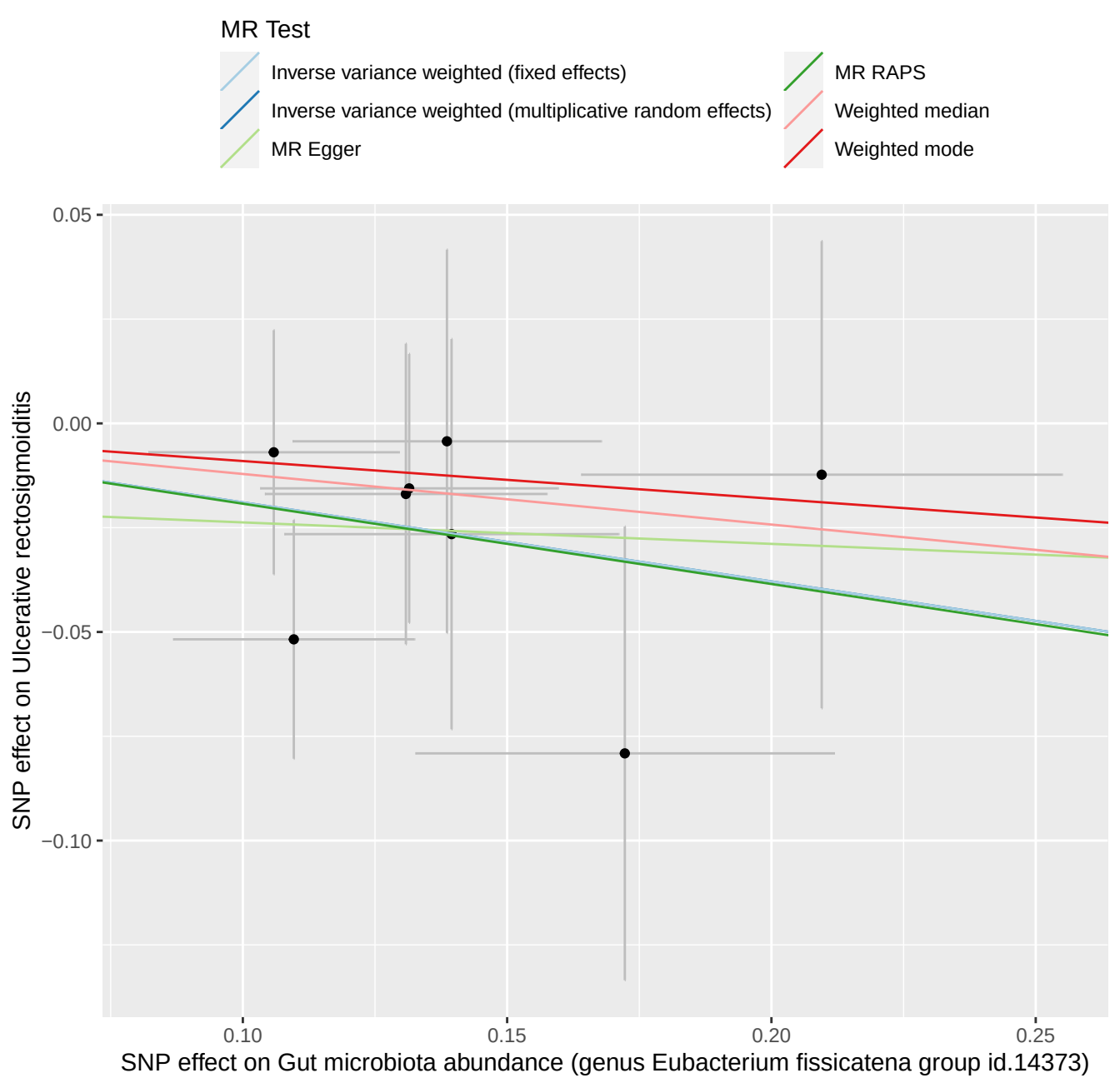


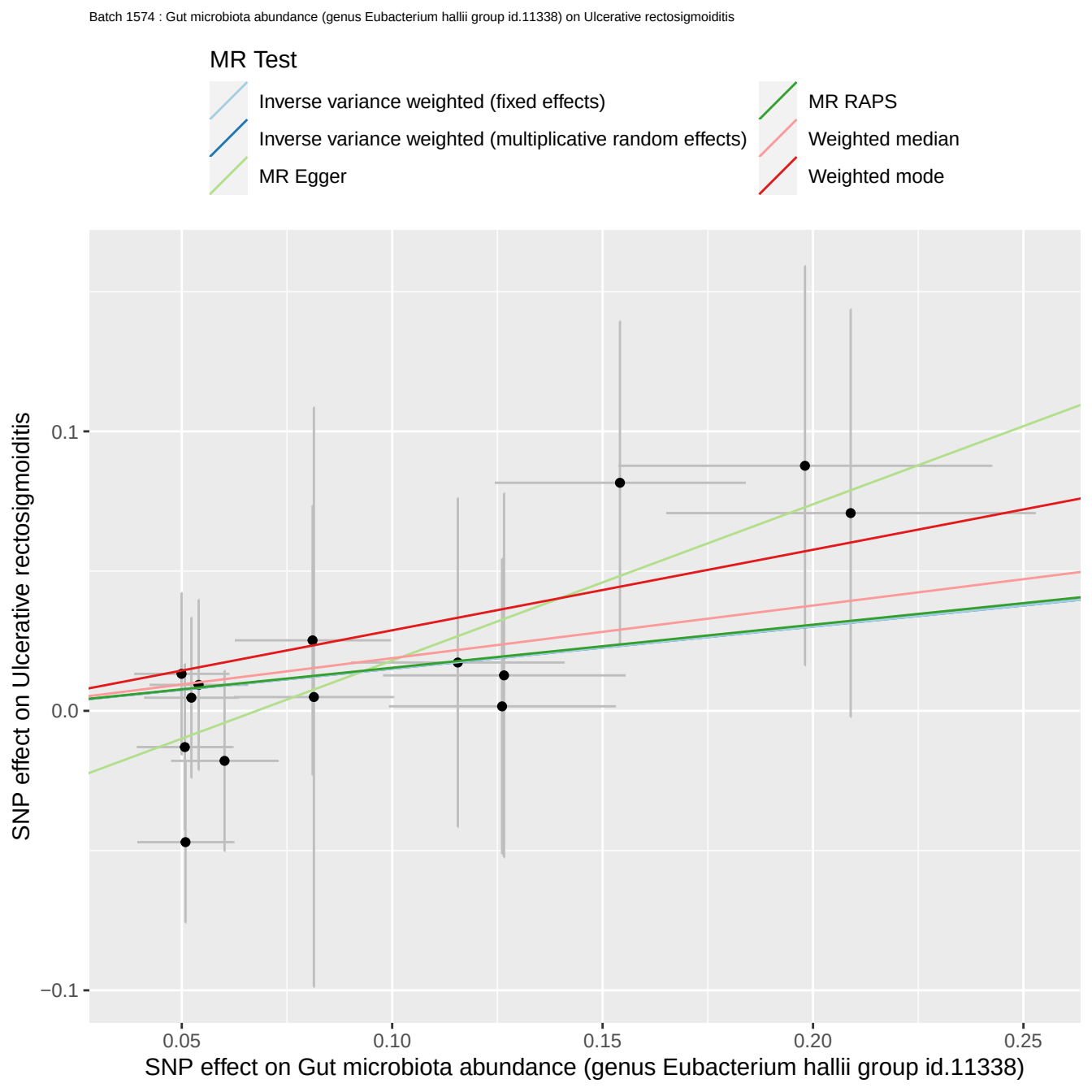

Batch 1570 : Gut microbiota abundance (genus Eubacterium brachy group id.11296) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Eubacterium brachy group id.11296)


Batch 1571 : Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium coprostanoligenes group id.11375

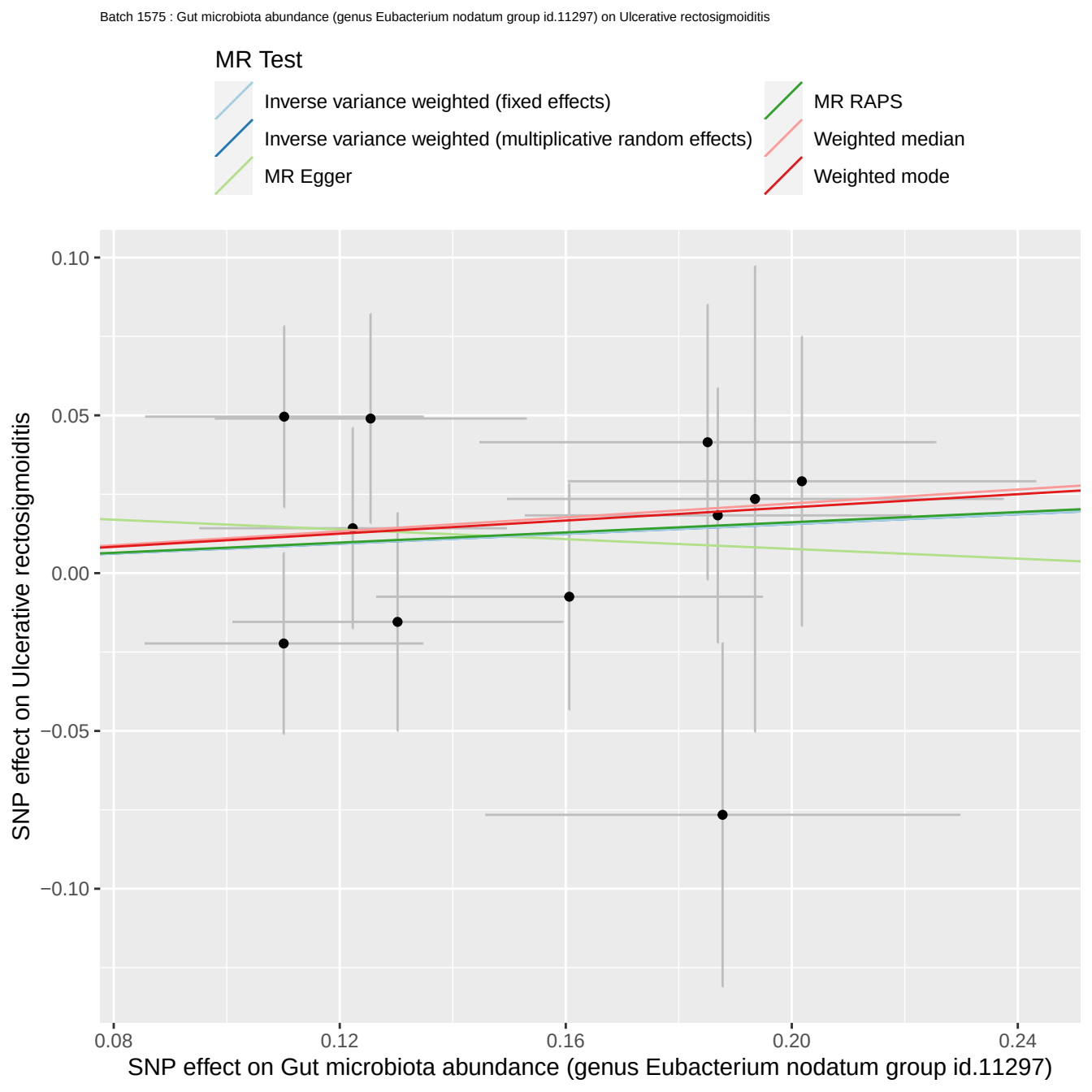

Batch 1572 : Gut microbiota abundance (genus Eubacterium eligens group id.14372) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Eubacterium eligens group id.14372)

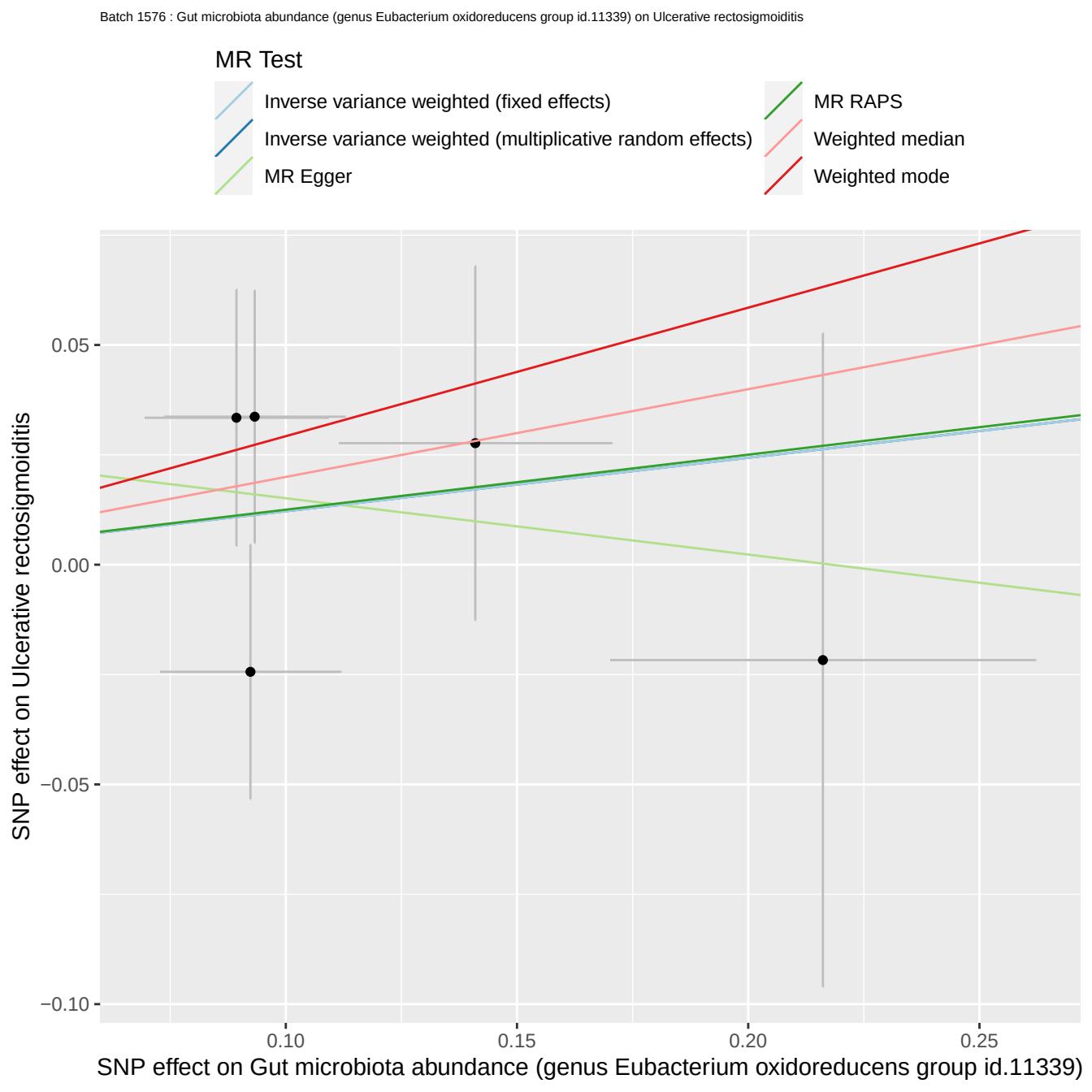
Batch 1573 : Gut microbiota abundance (genus Eubacterium fissicatena group id.14373) on Ulcerative rectosigmoiditis

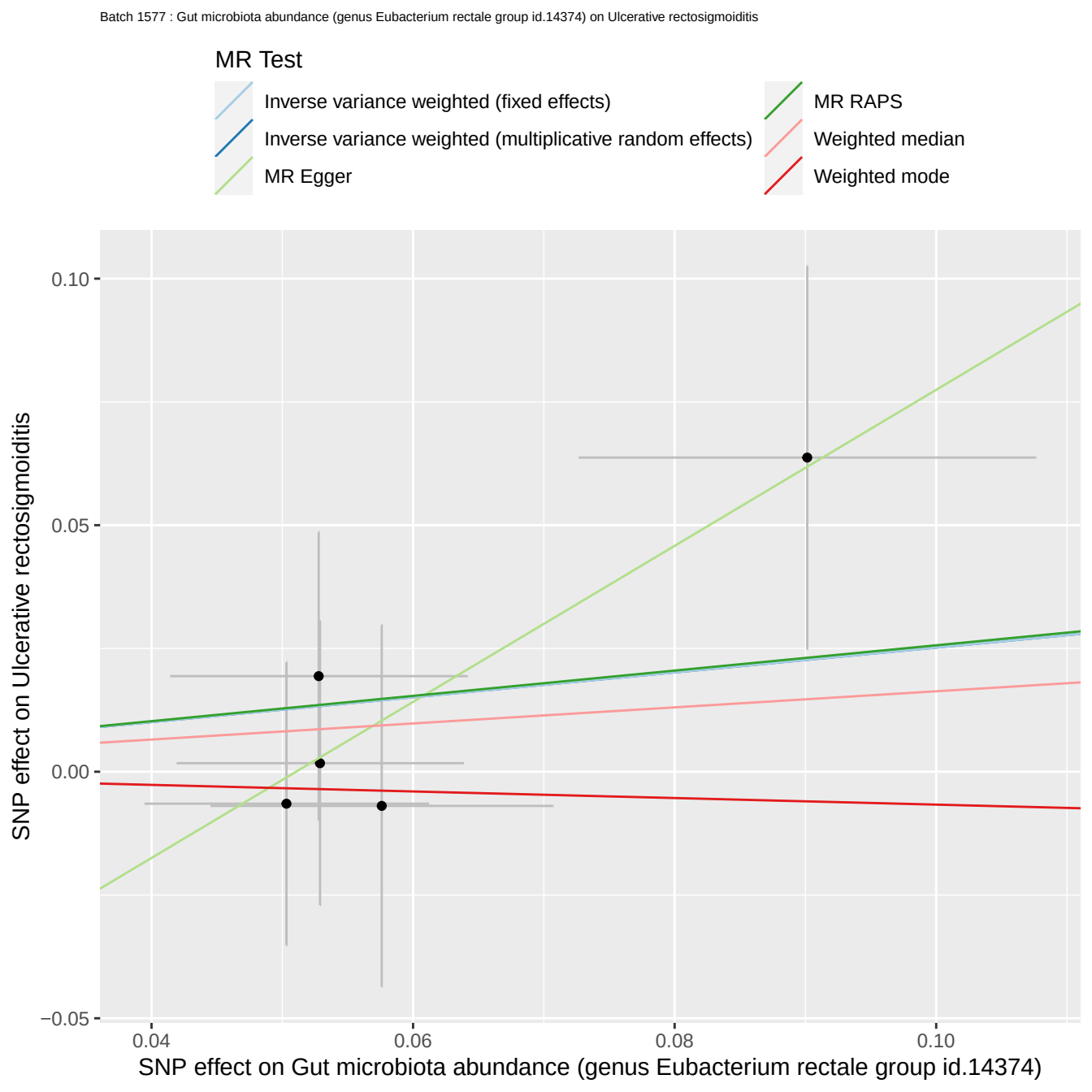



Batch 1574 : Gut microbiota abundance (genus Eubacterium hallii group id.11338) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium hallii group id.11338)

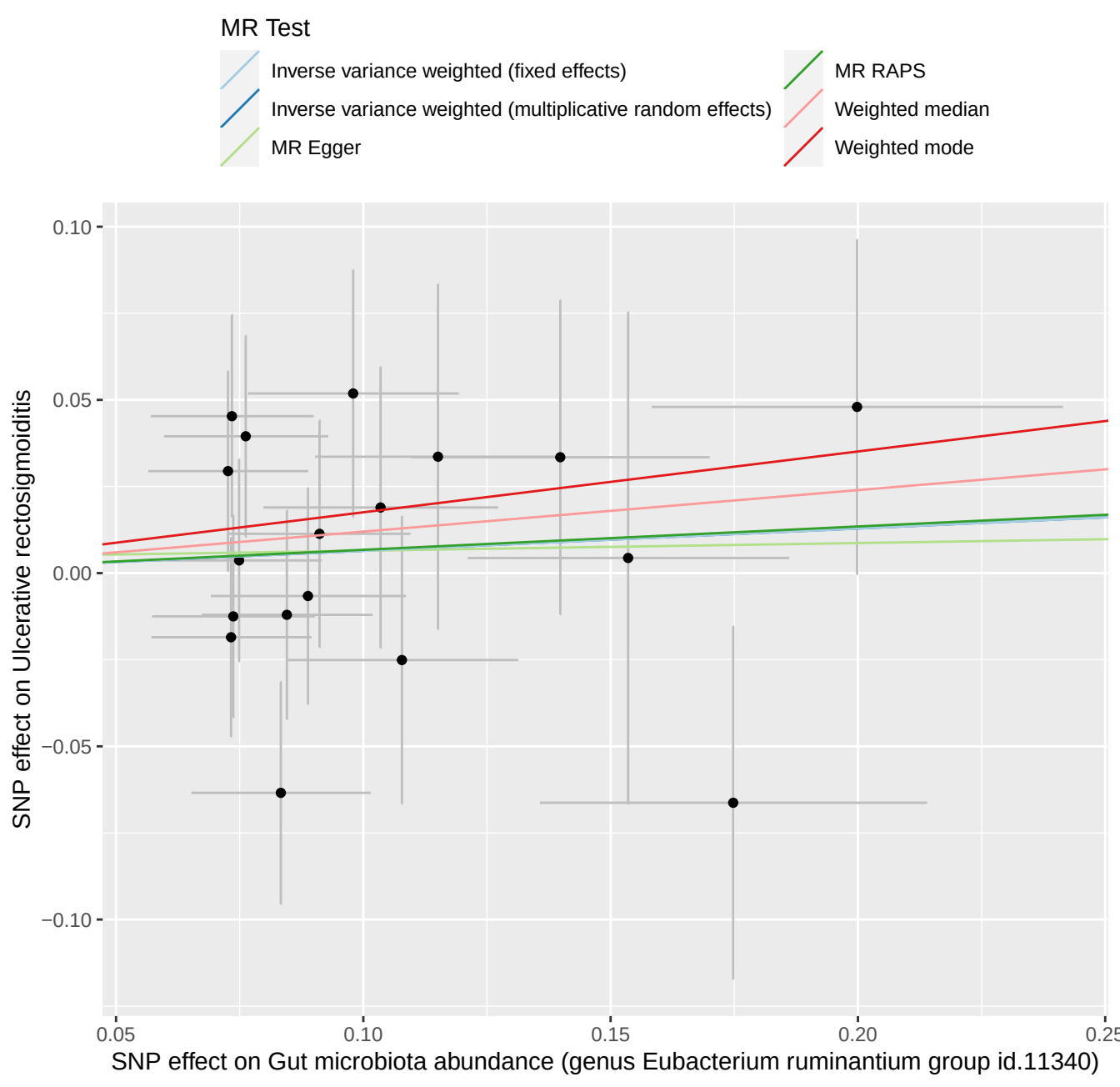
Batch 1575 : Gut microbiota abundance (genus Eubacterium nodatum group id.11297) on Ulcerative rectosigmoiditis

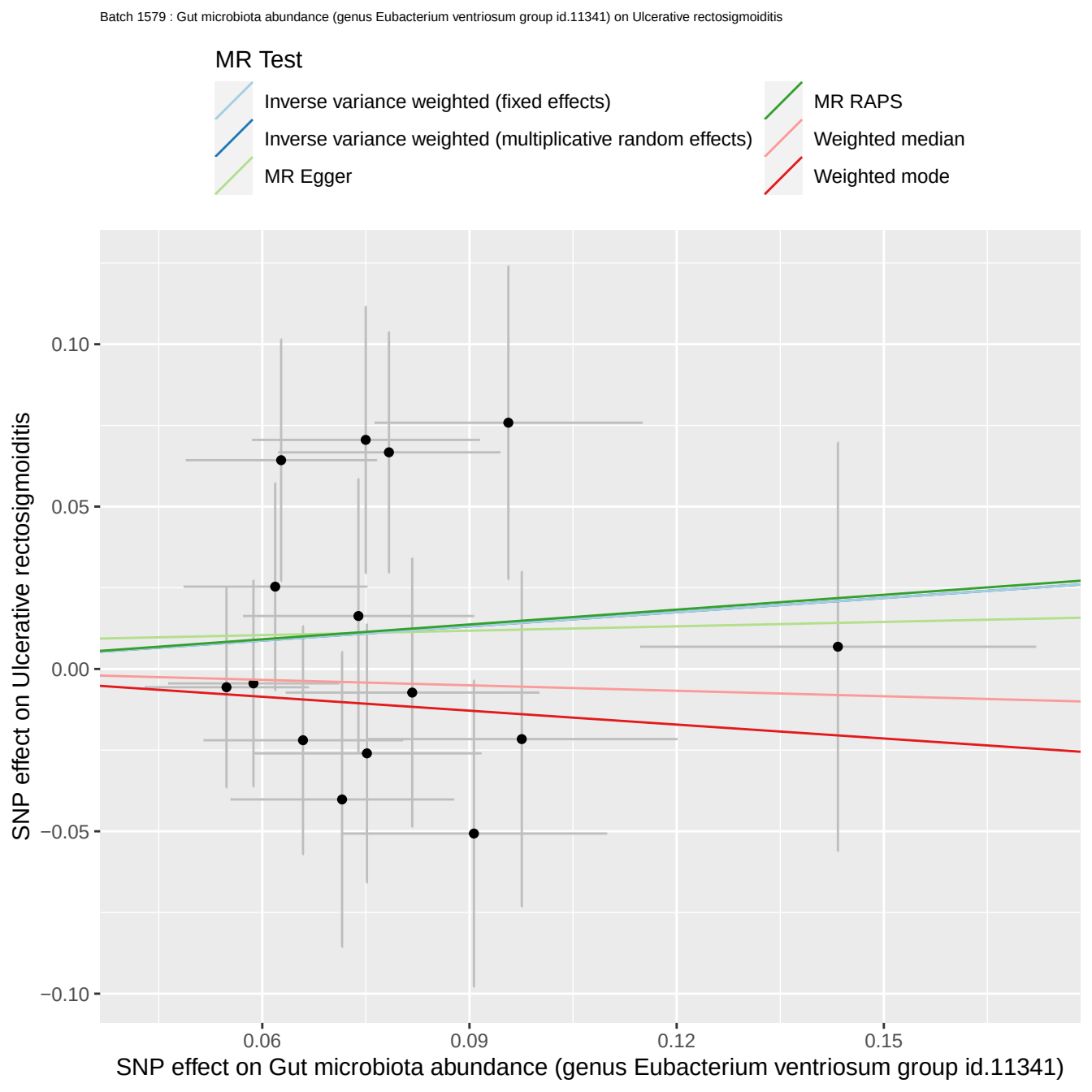


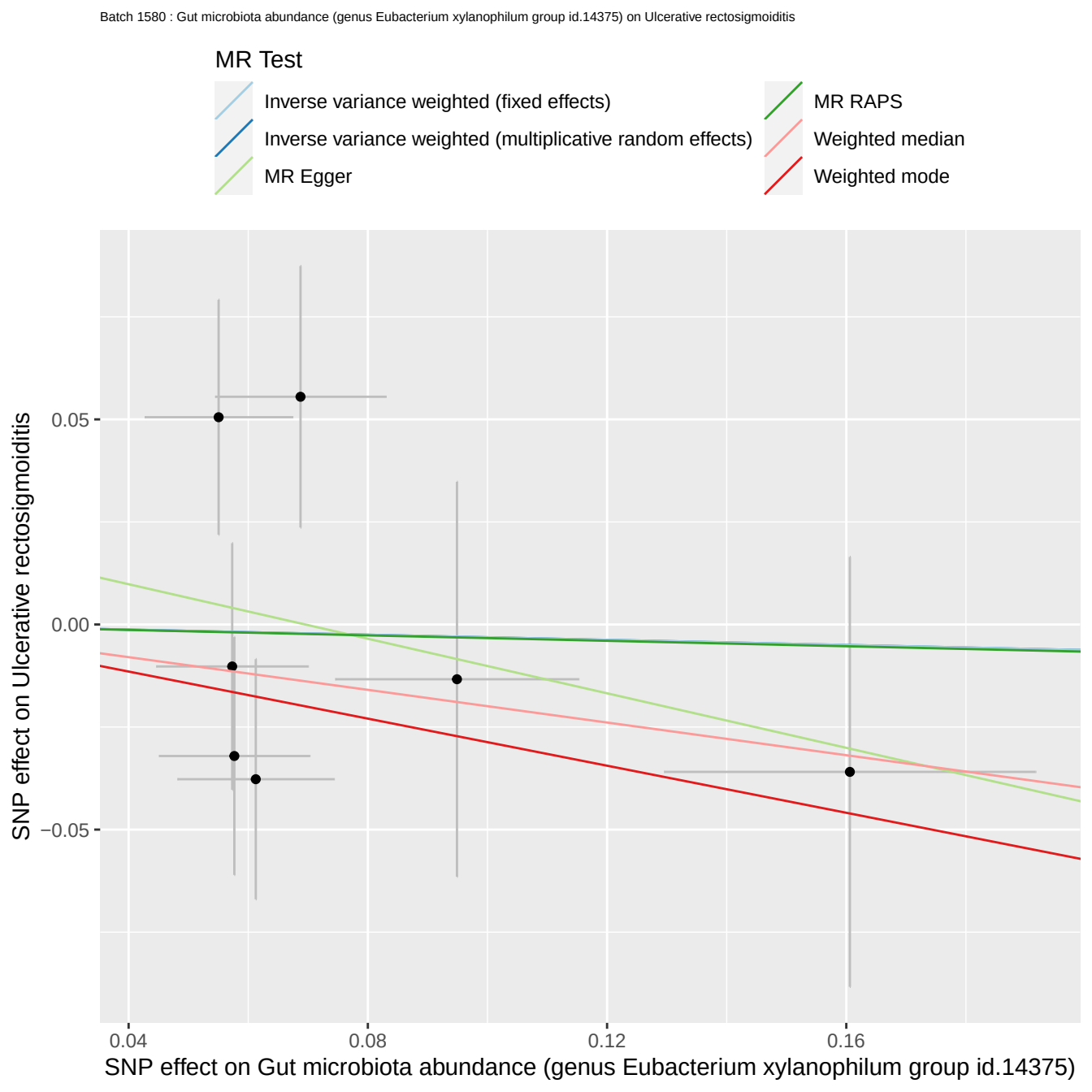

Batch 1576 : Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Eubacterium oxidoreducens group id.11339)

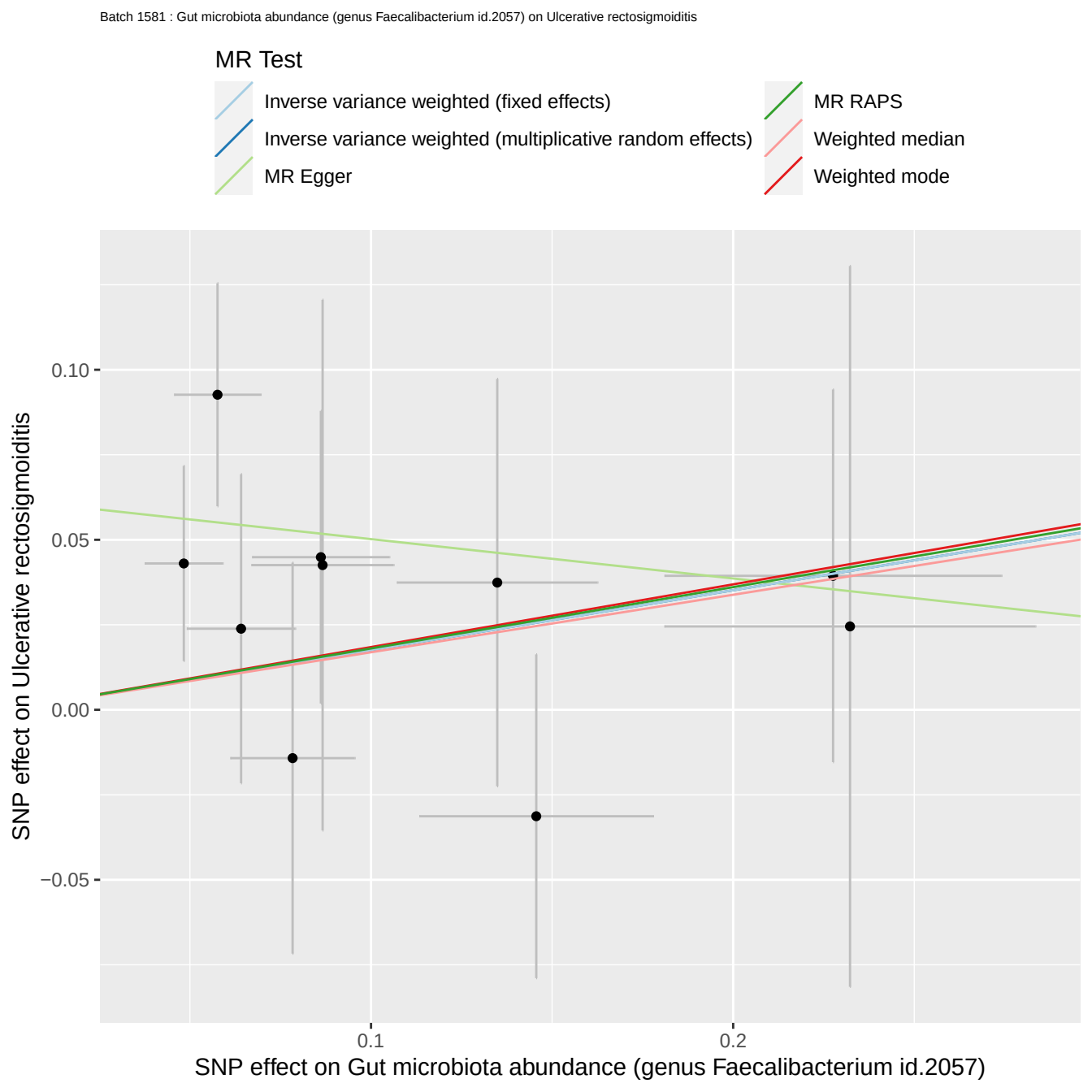

Batch 1577 : Gut microbiota abundance (genus Eubacterium rectale group id.14374) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Eubacterium rectale group id.14374)

Batch 1578 : Gut microbiota abundance (genus Eubacterium ruminantium group id.11340) on Ulcerative rectosigmoiditis

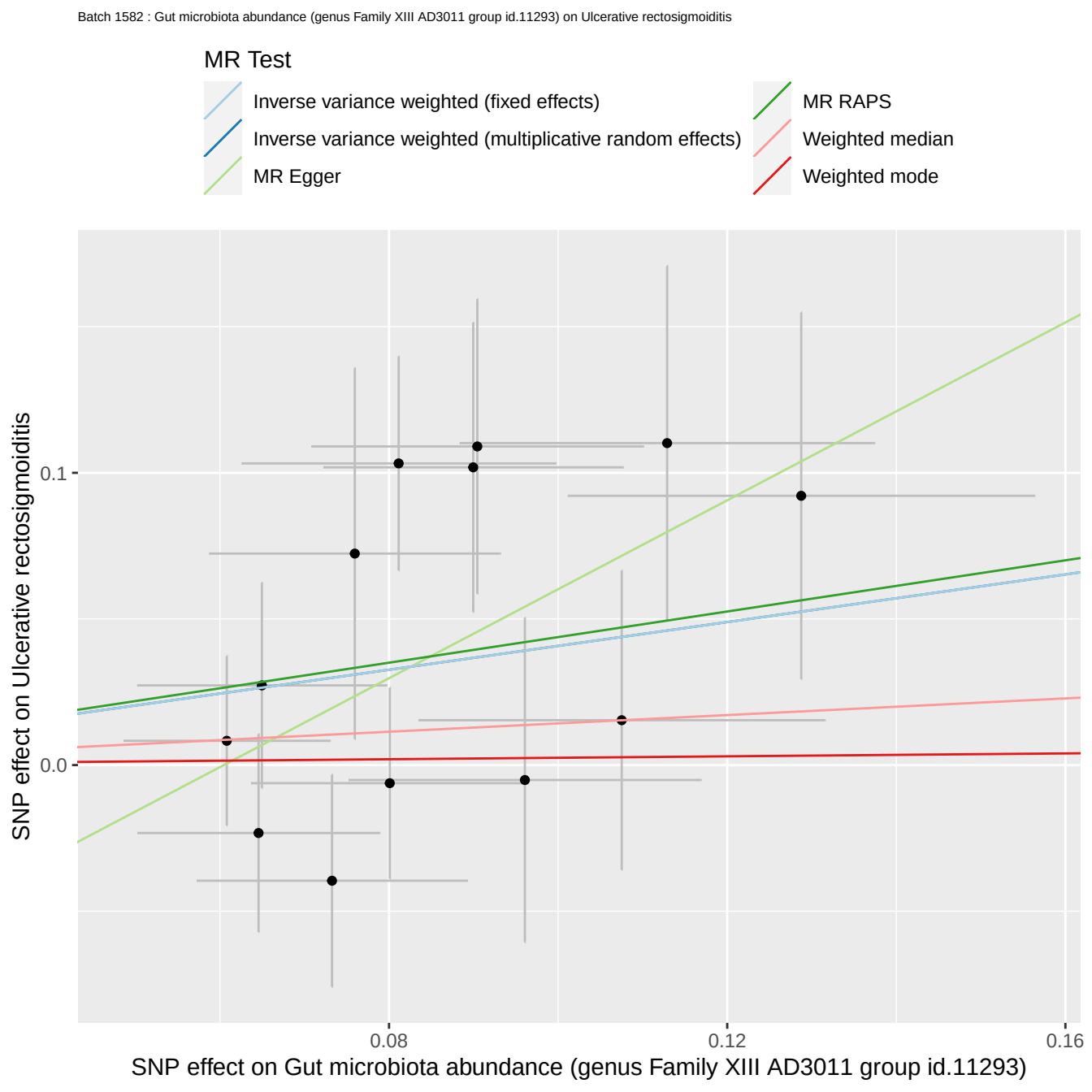


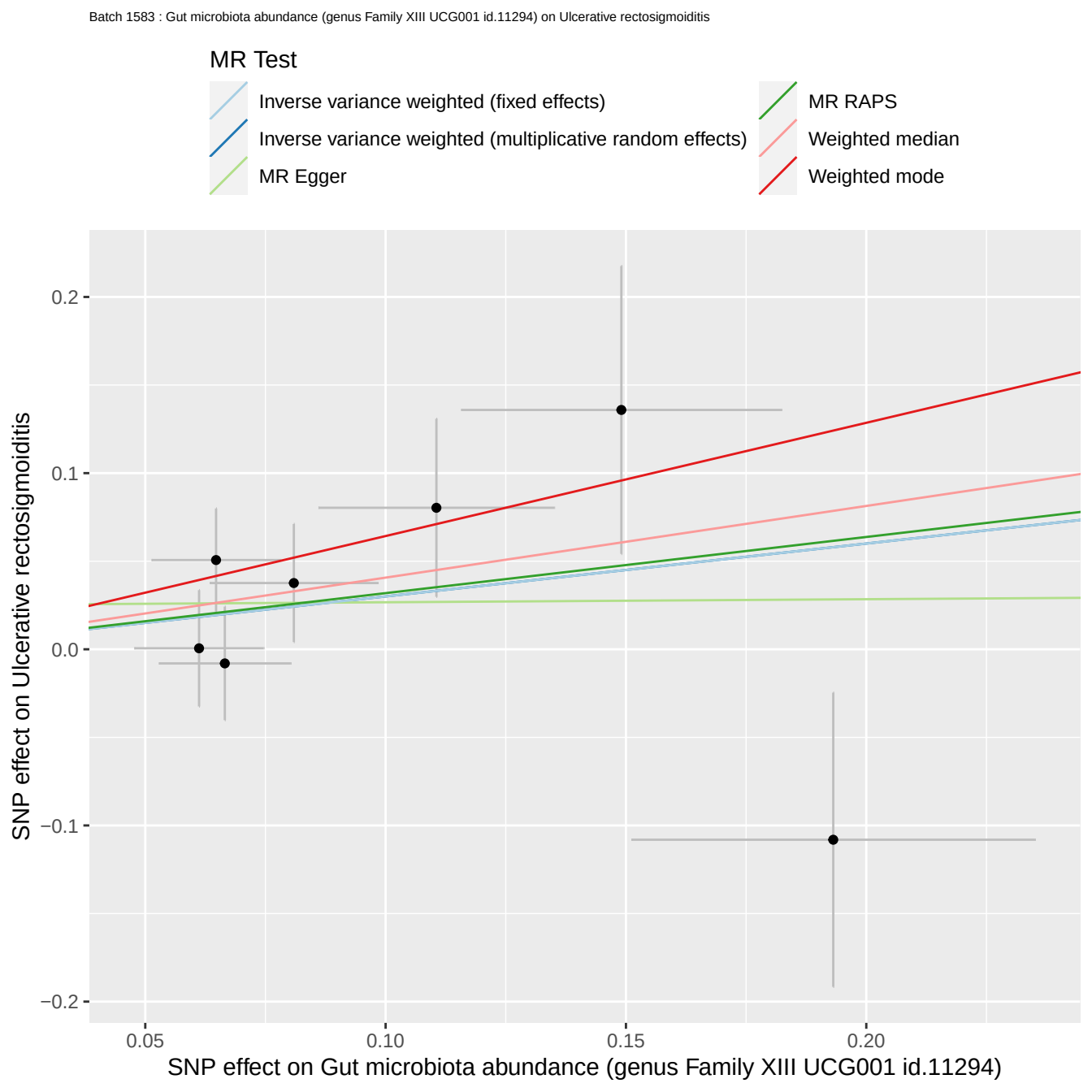

Batch 1579 : Gut microbiota abundance (genus Eubacterium ventriosum group id.11341) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Eubacterium ventriosum group id.11341)

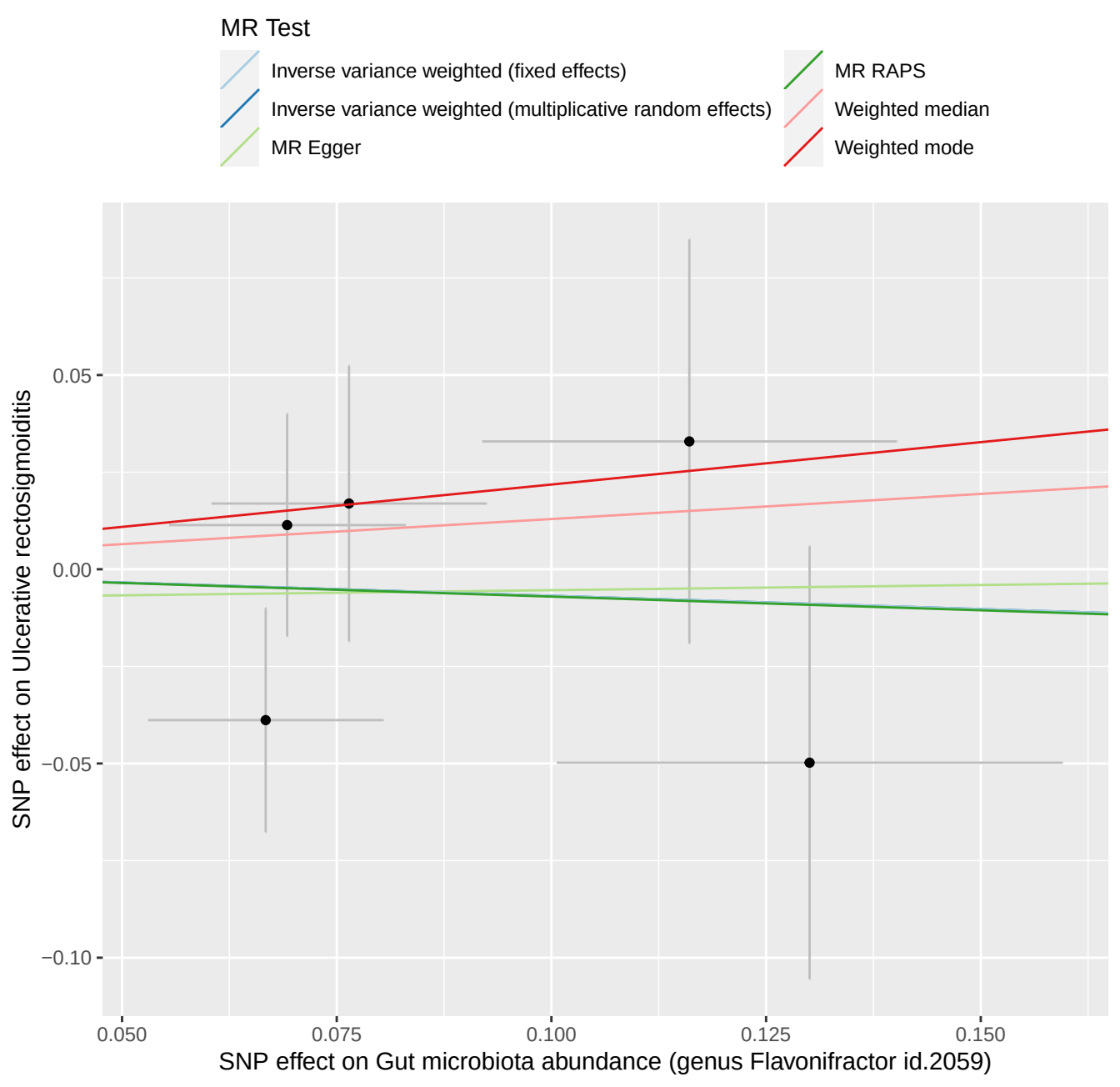

Batch 1580 : Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Eubacterium xylanophilum group id.14375)

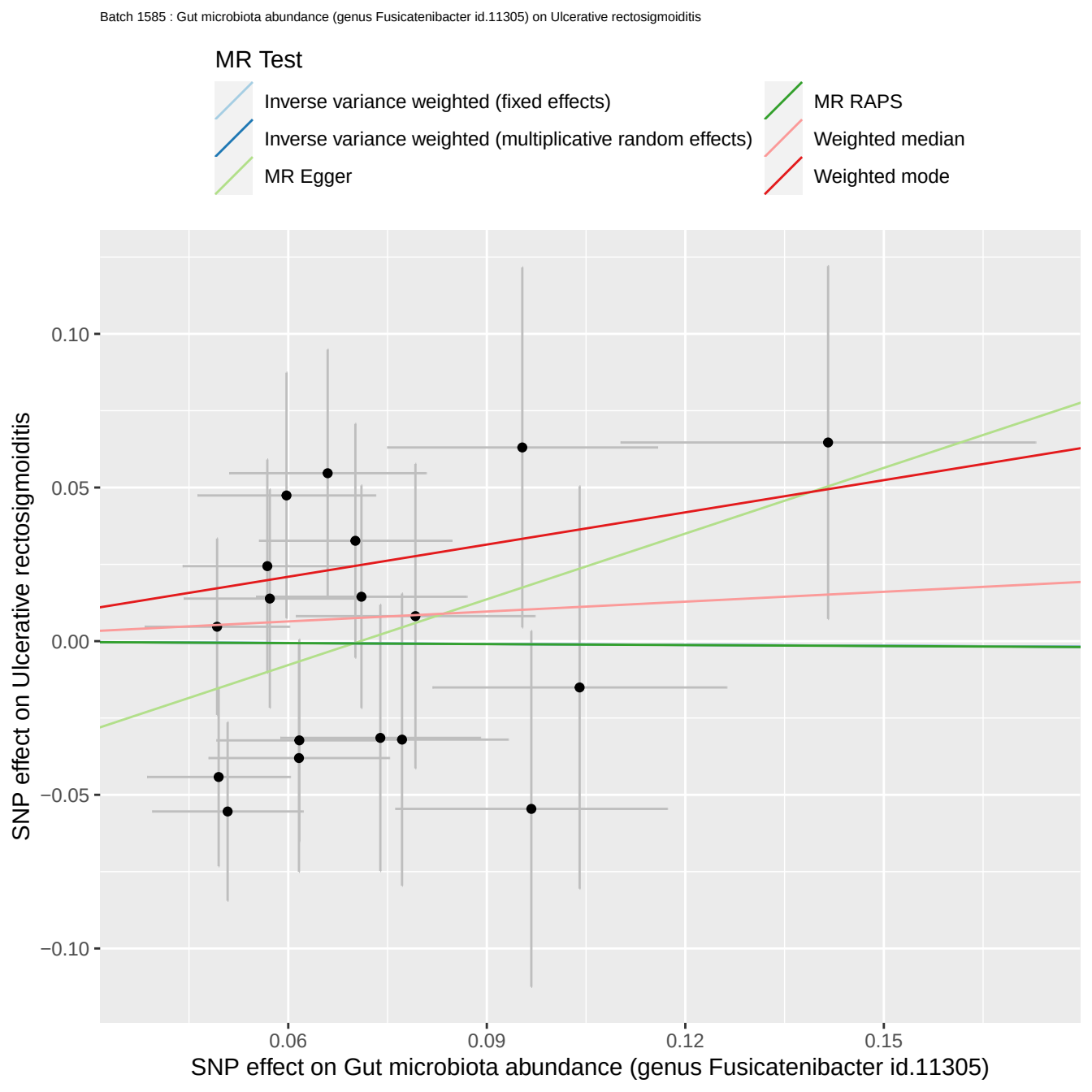

Batch 1581 : Gut microbiota abundance (genus Faecalibacterium id.2057) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.1
0.2
SNP effect on Gut microbiota abundance (genus Faecalibacterium id.2057)

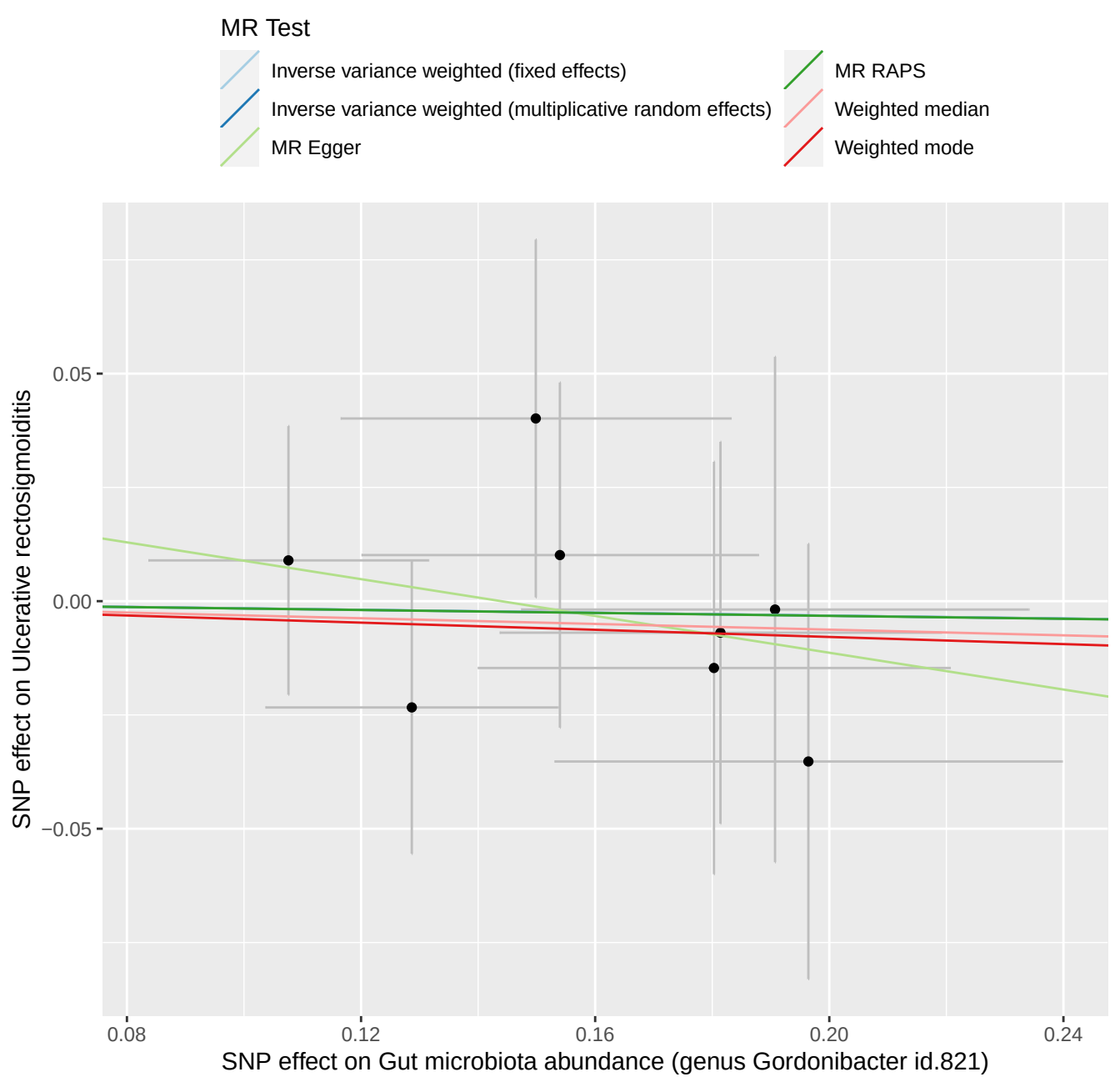
Batch 1582 : Gut microbiota abundance (genus Family XIII AD3011 group id.11293) on Ulcerative rectosigmoiditis

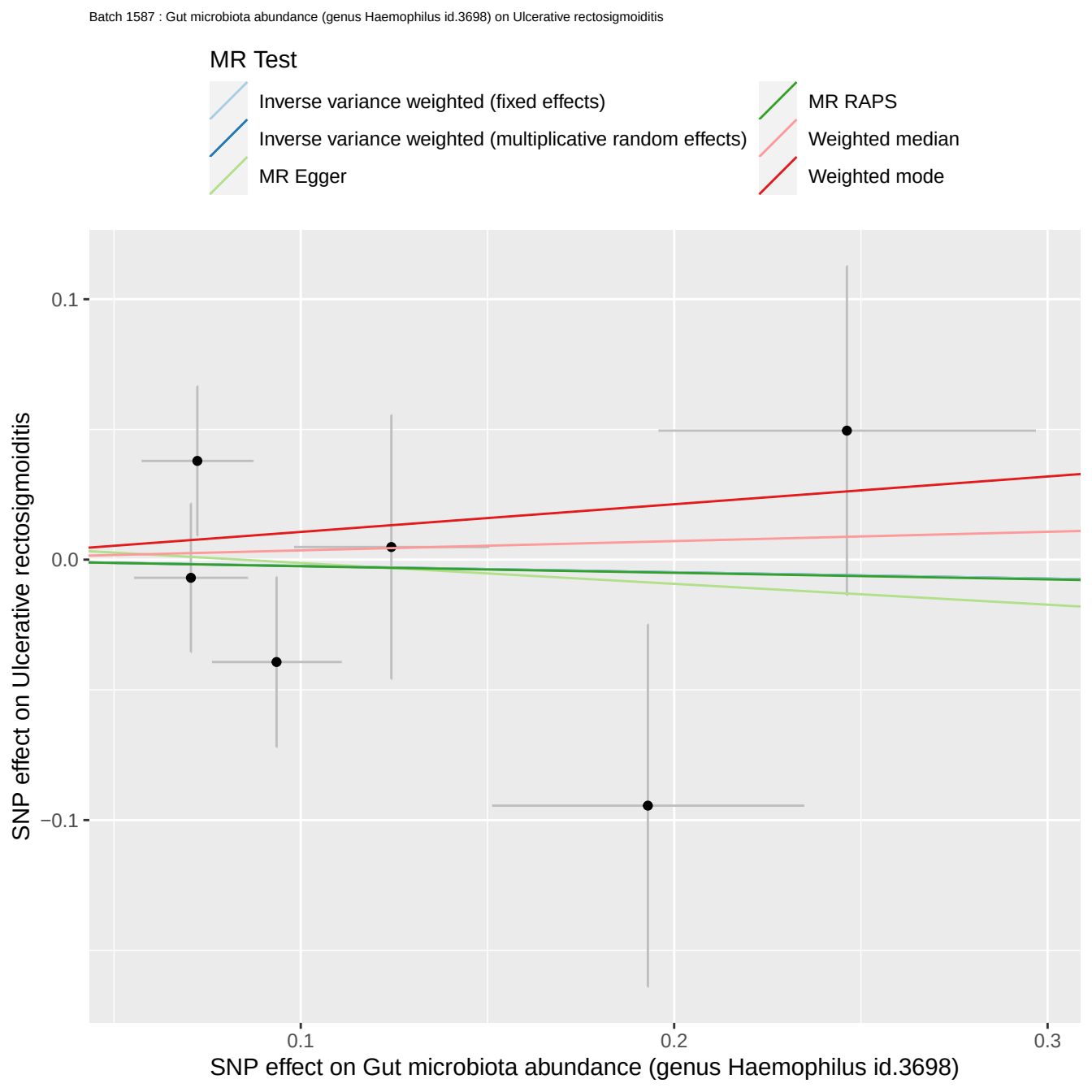


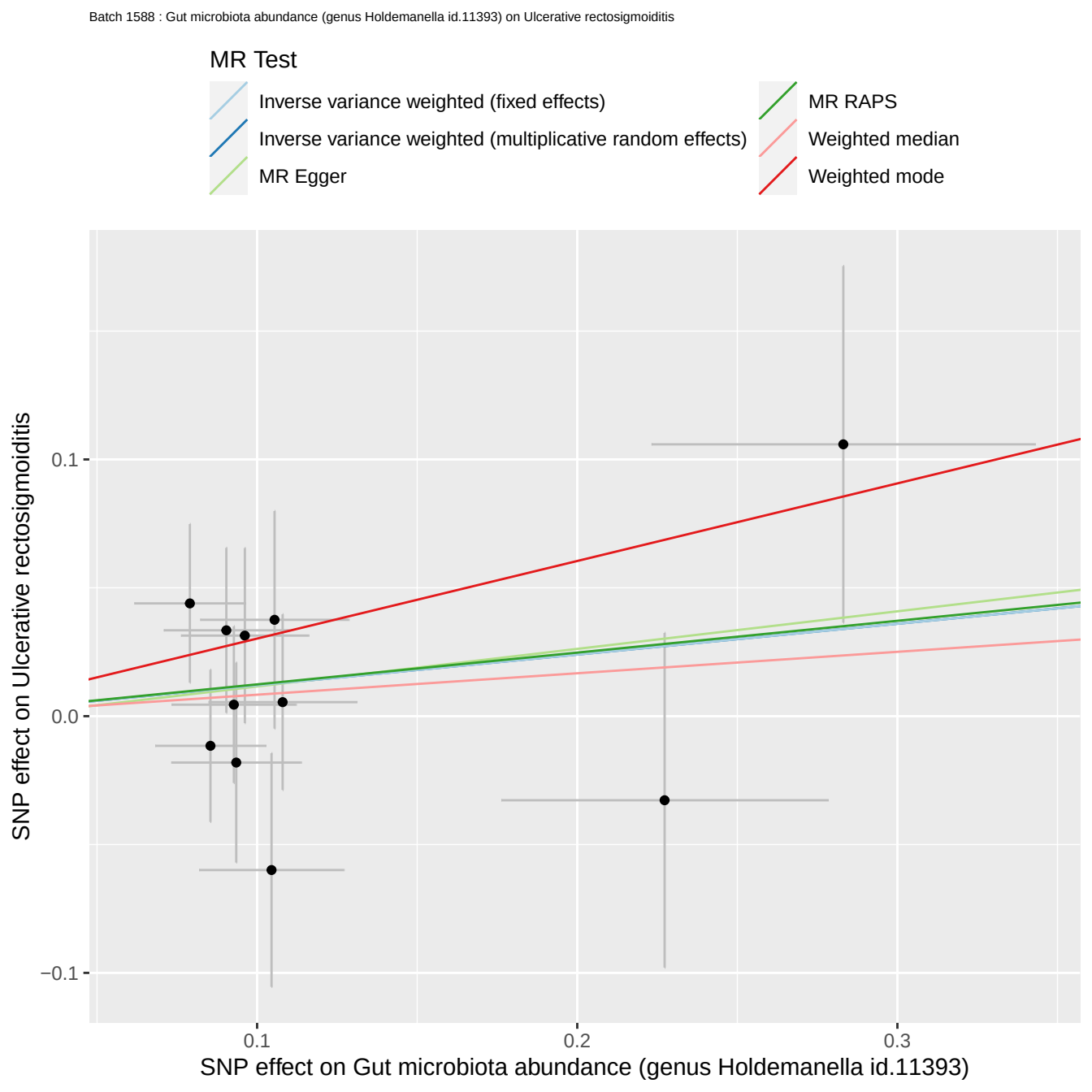

Batch 1583 : Gut microbiota abundance (genus Family XIII UCG001 id.11294) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Family XIII UCG001 id.11294)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Flavonifractor id.2059)

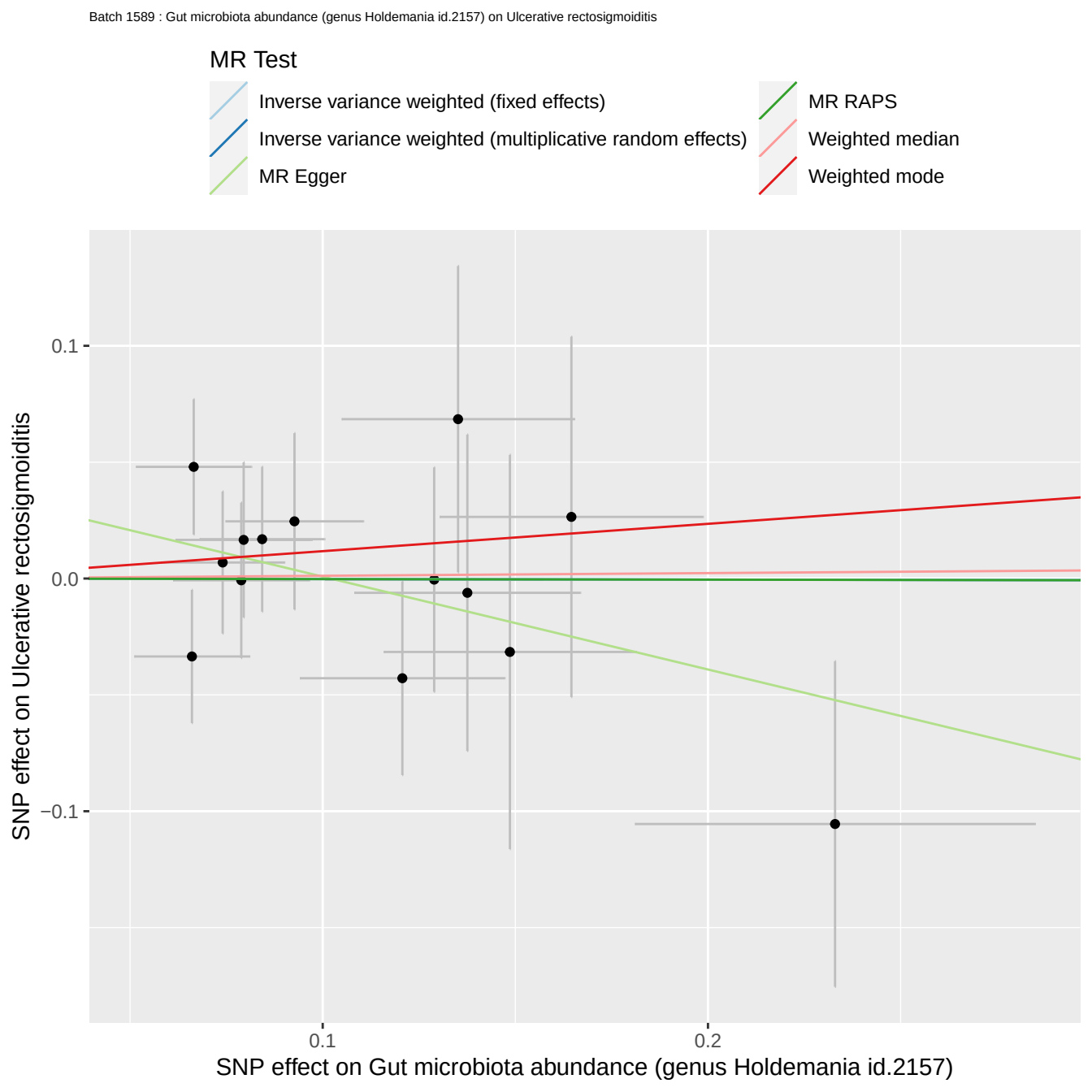

Batch 1585 : Gut microbiota abundance (genus Fusicatenibacter id.11305) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.06
0.09
0.12
0.15
SNP effect on Gut microbiota abundance (genus Fusicatenibacter id.11305)

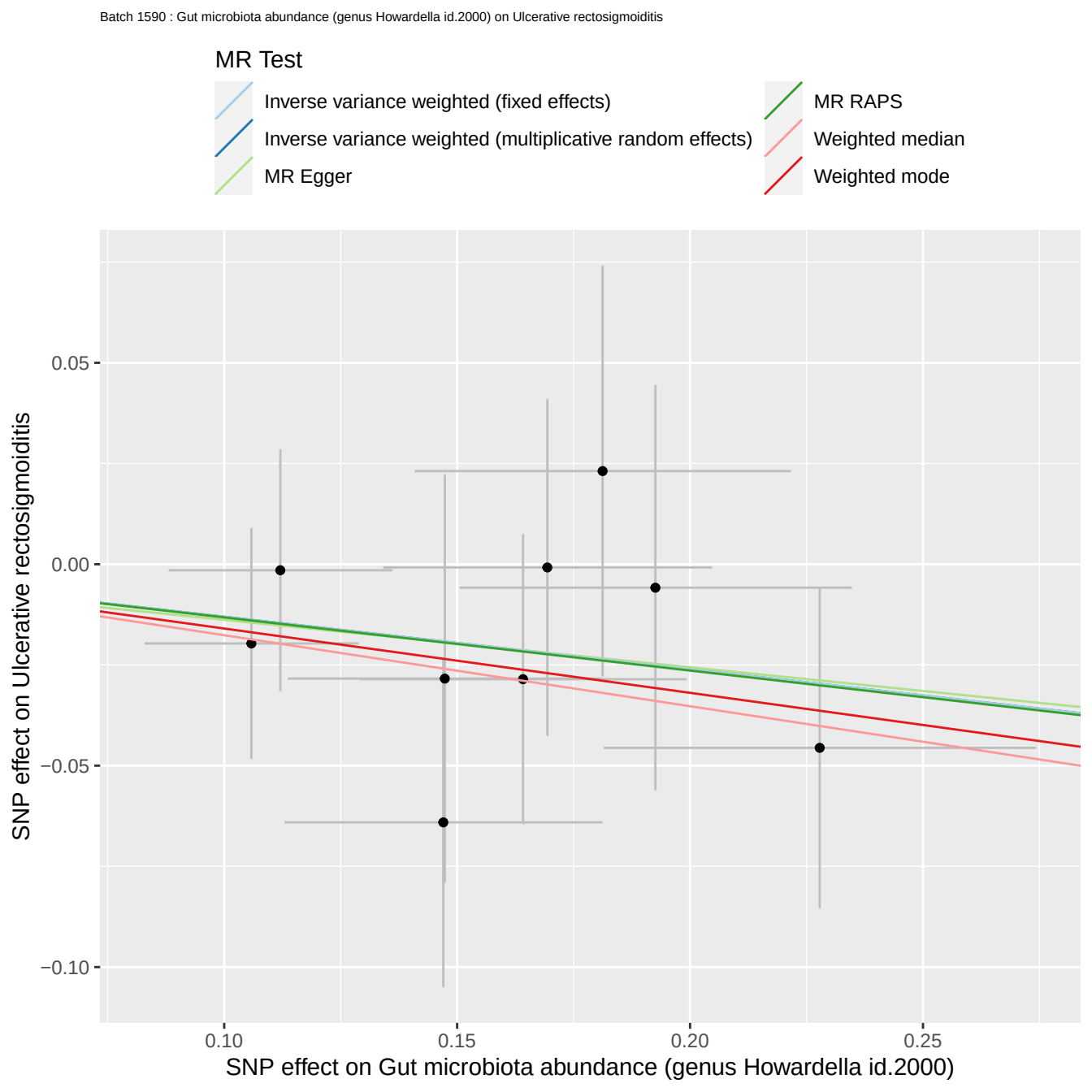

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.08
0.12
0.16
0.20
0.24
SNP effect on Gut microbiota abundance (genus Gordonibacter id.821)

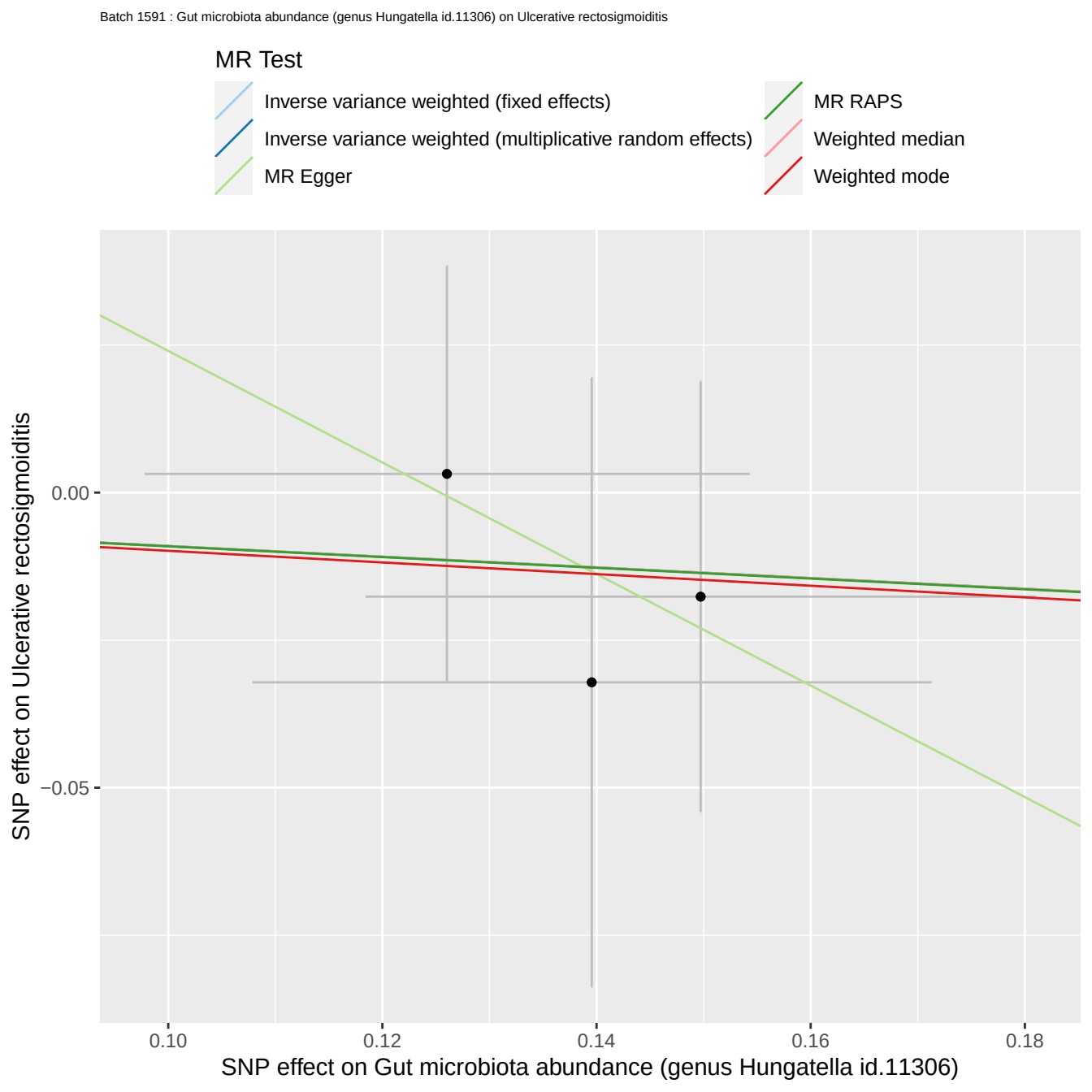

Batch 1587 : Gut microbiota abundance (genus Haemophilus id.3698) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Haemophilus id.3698)


Batch 1588 : Gut microbiota abundance (genus Holdemanella id.11393) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Holdemanella id.11393)

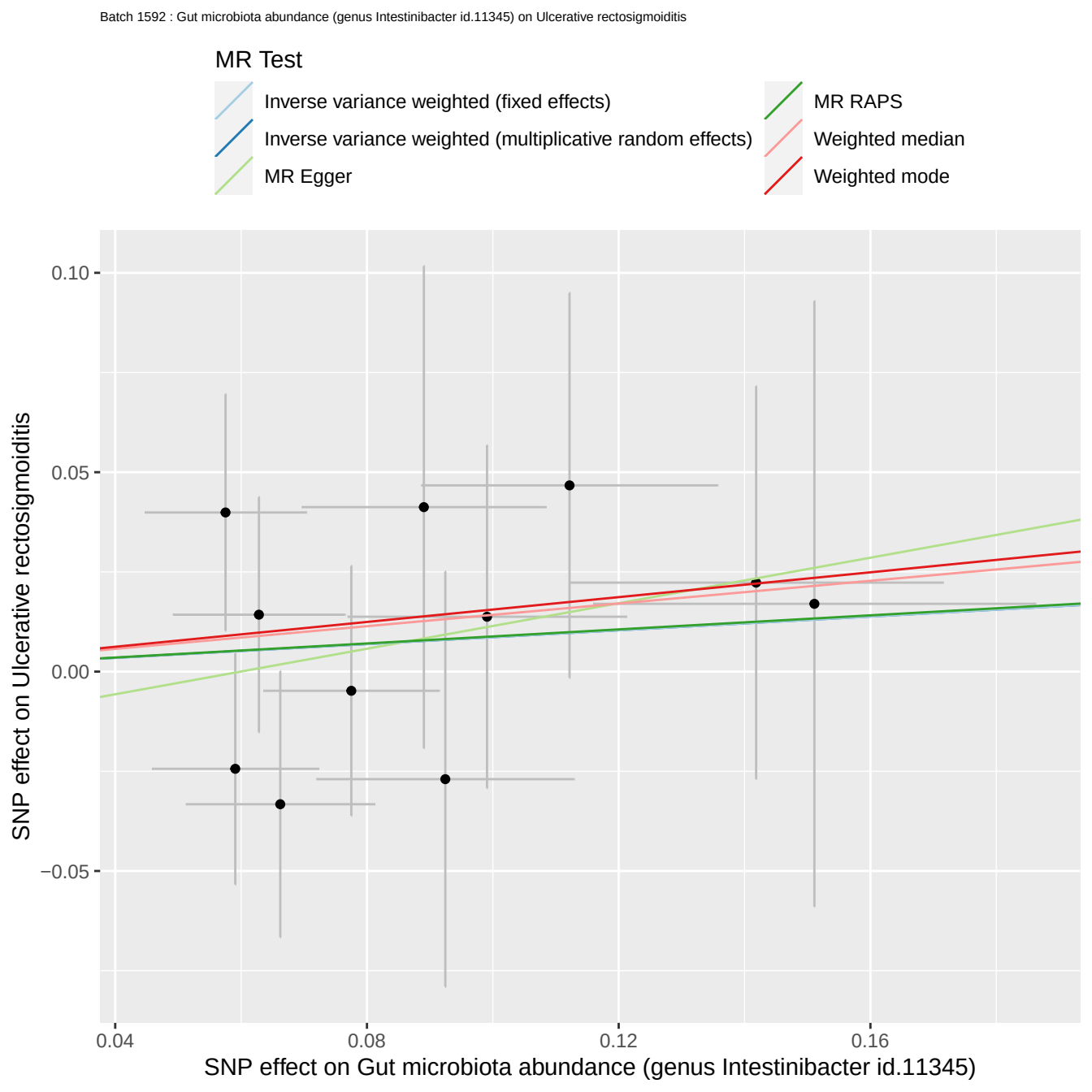
Batch 1589 : Gut microbiota abundance (genus Holdemania id.2157) on Ulcerative rectosigmoiditis

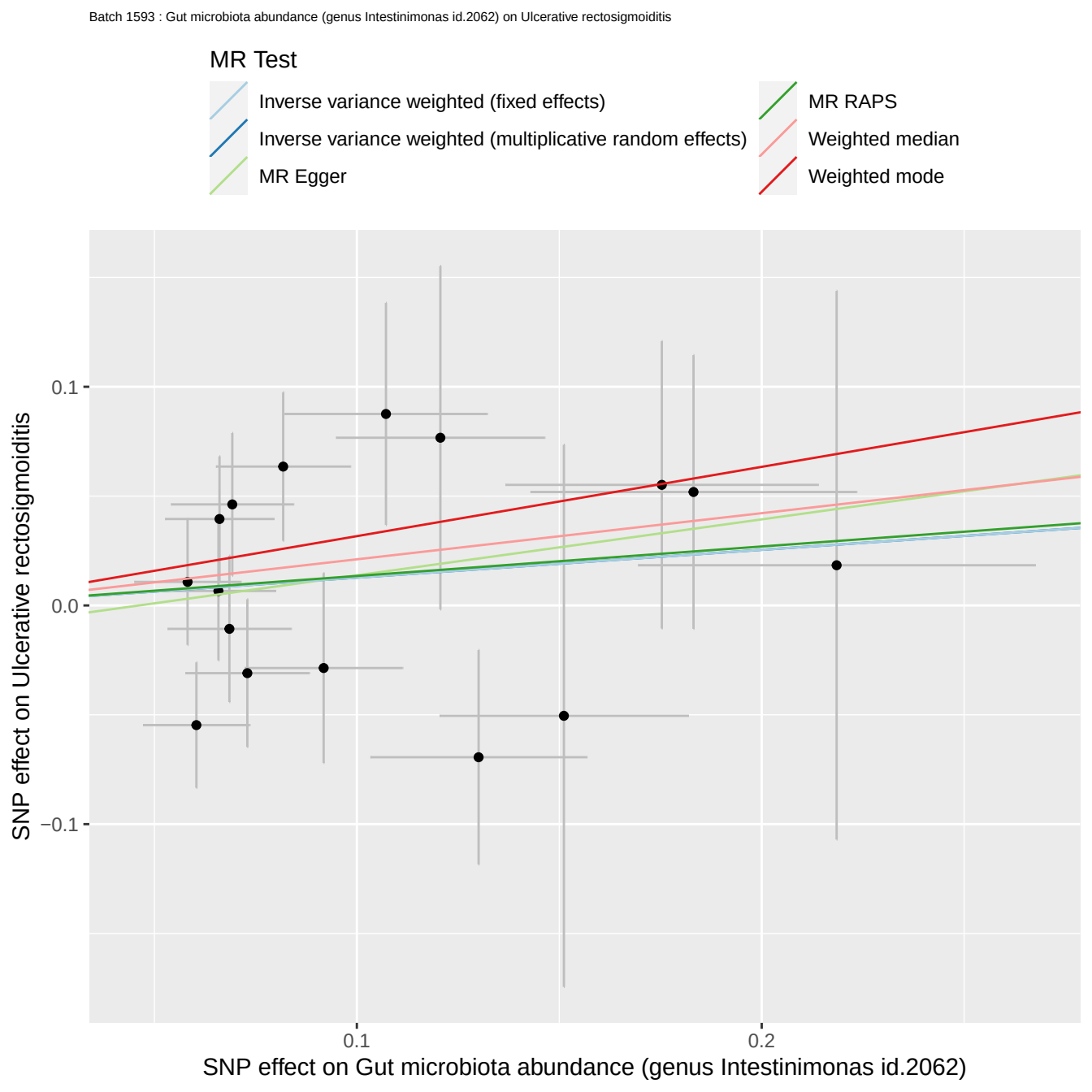



Batch 1590 : Gut microbiota abundance (genus Howardella id.2000) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Howardella id.2000)

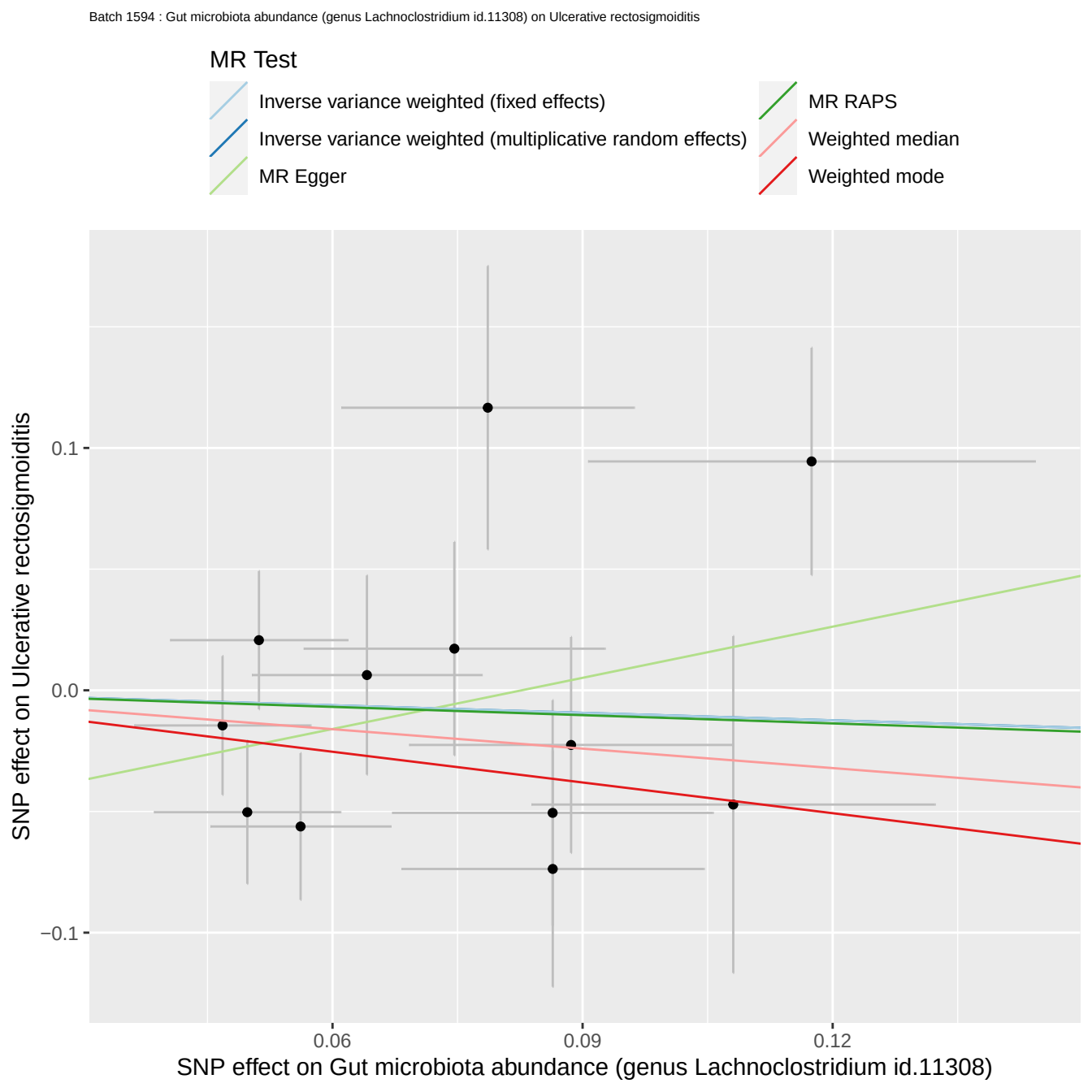

Batch 1591 : Gut microbiota abundance (genus Hungatella id.11306) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.00
−0.05
0.10
0.12
0.14
0.16
0.18
SNP effect on Gut microbiota abundance (genus Hungatella id.11306)

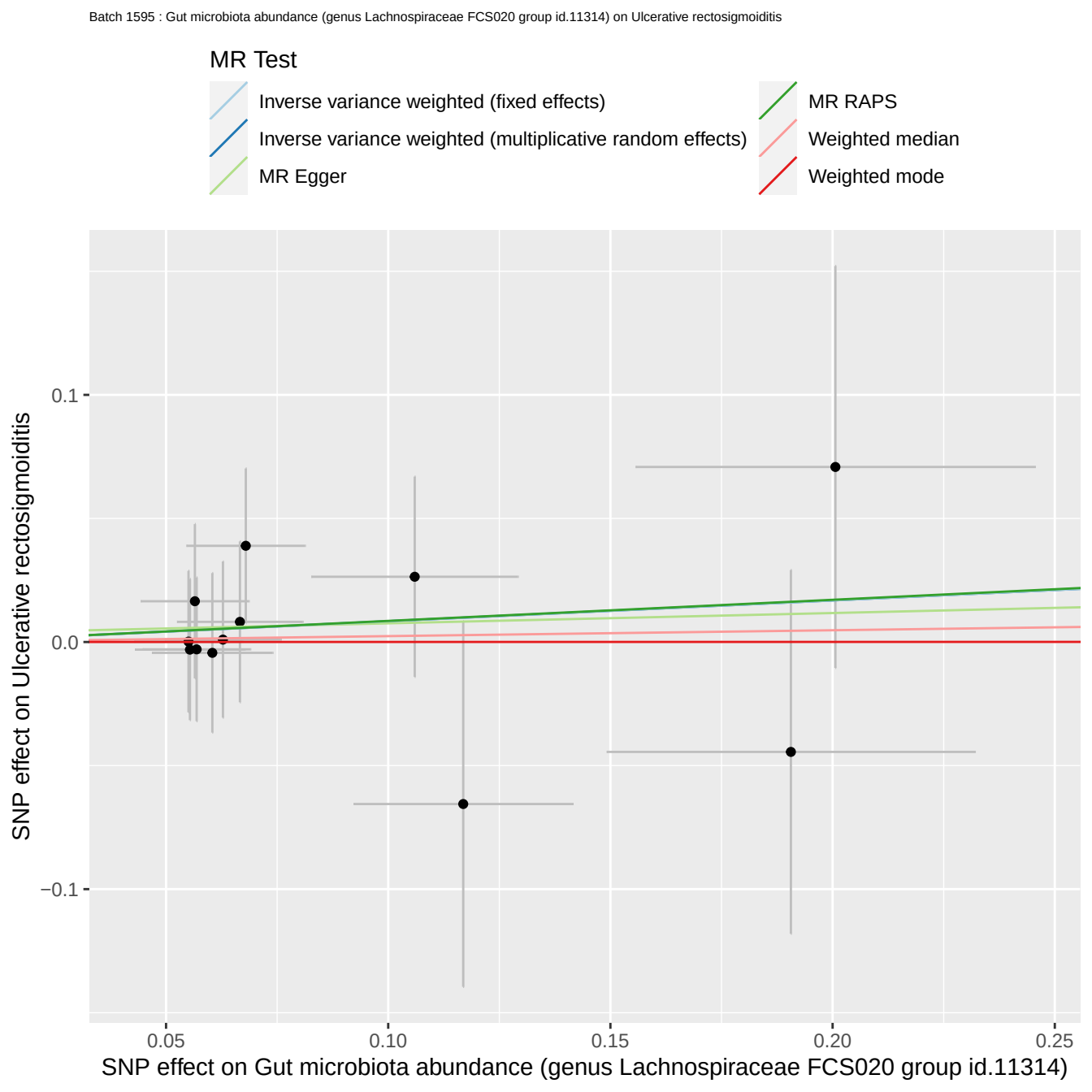
Batch 1592 : Gut microbiota abundance (genus Intestinibacter id.11345) on Ulcerative rectosigmoiditis



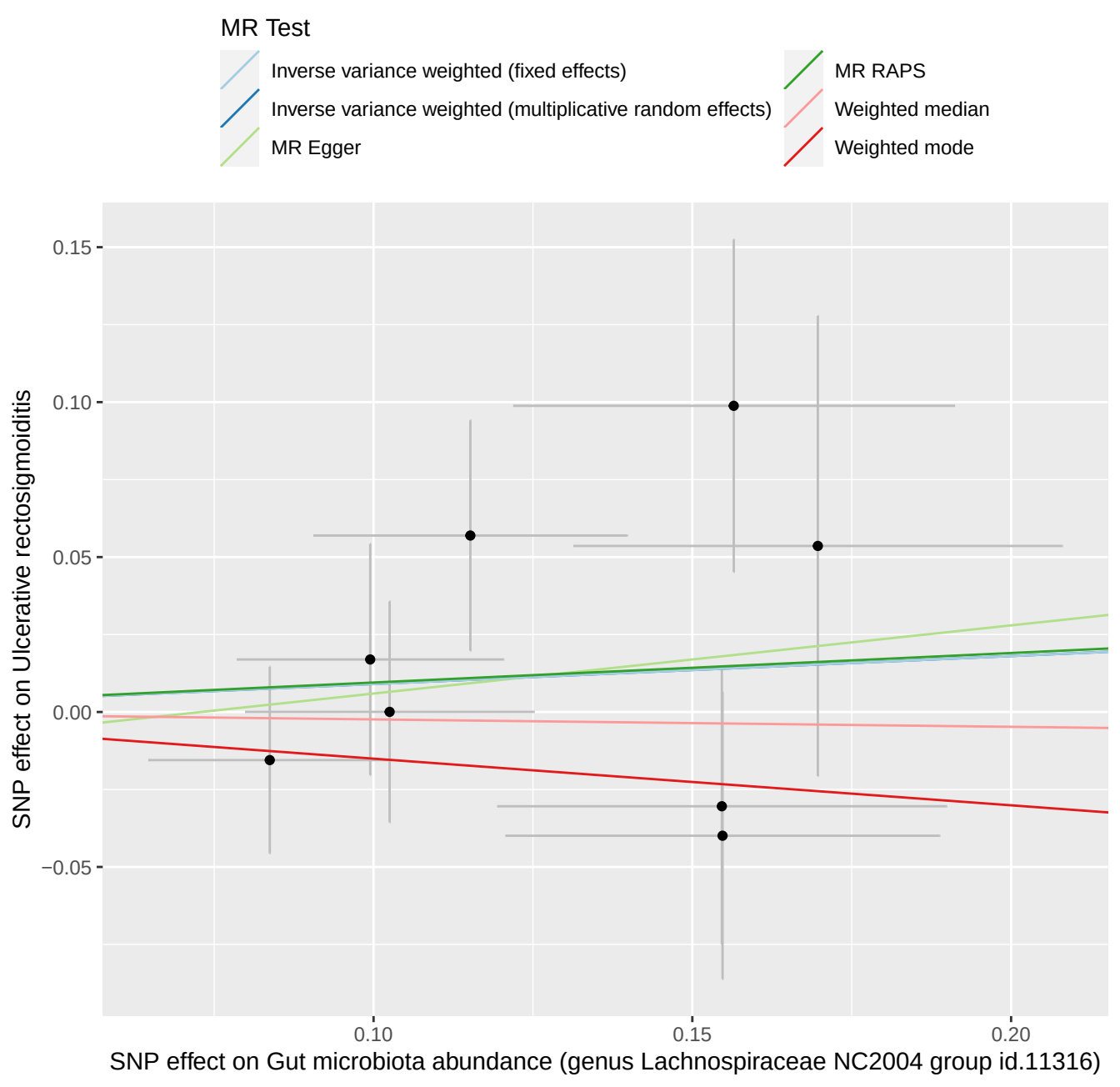

Batch 1593 : Gut microbiota abundance (genus Intestinimonas id.2062) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Intestinimonas id.2062)

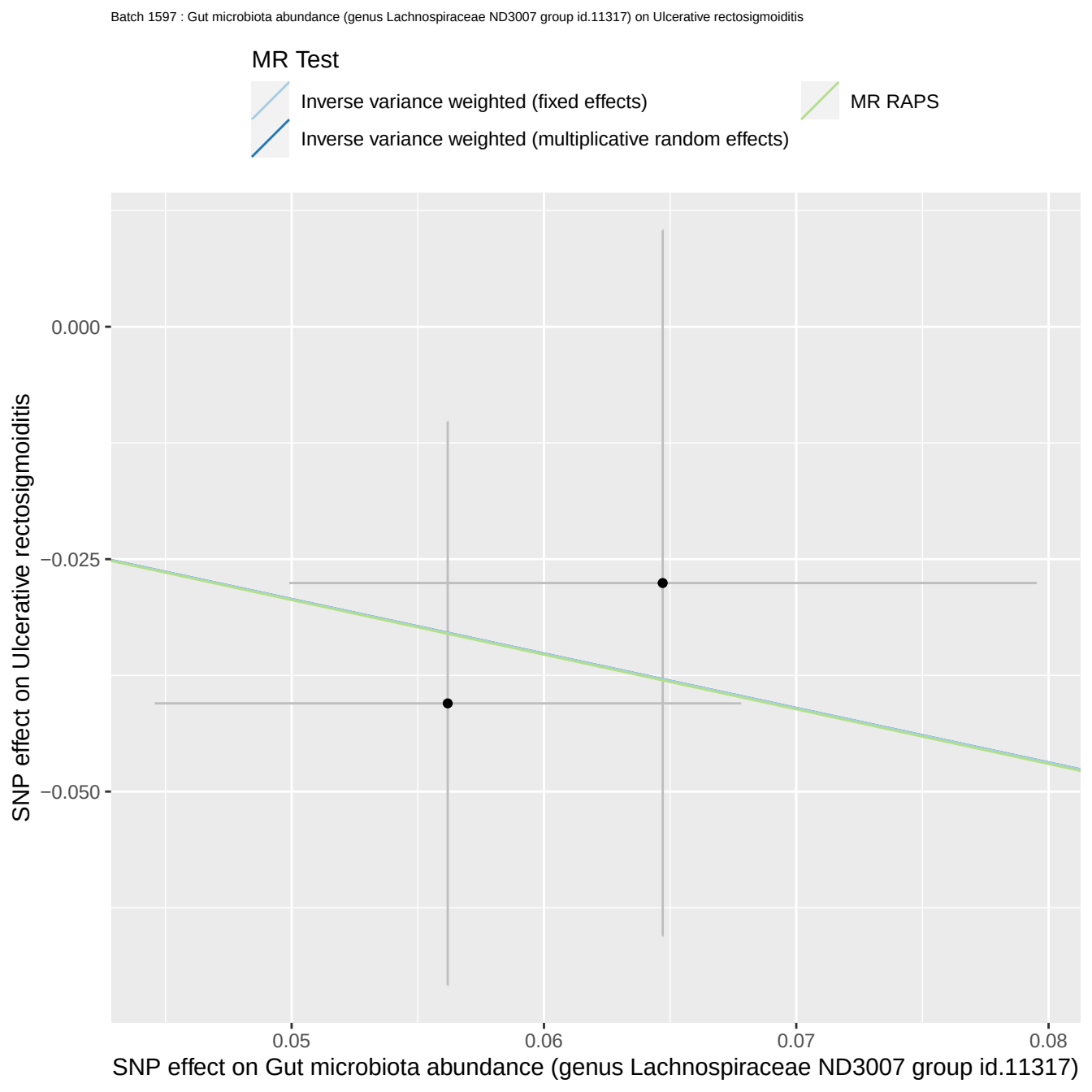
Batch 1594 : Gut microbiota abundance (genus Lachnoclostridium id.11308) on Ulcerative rectosigmoiditis

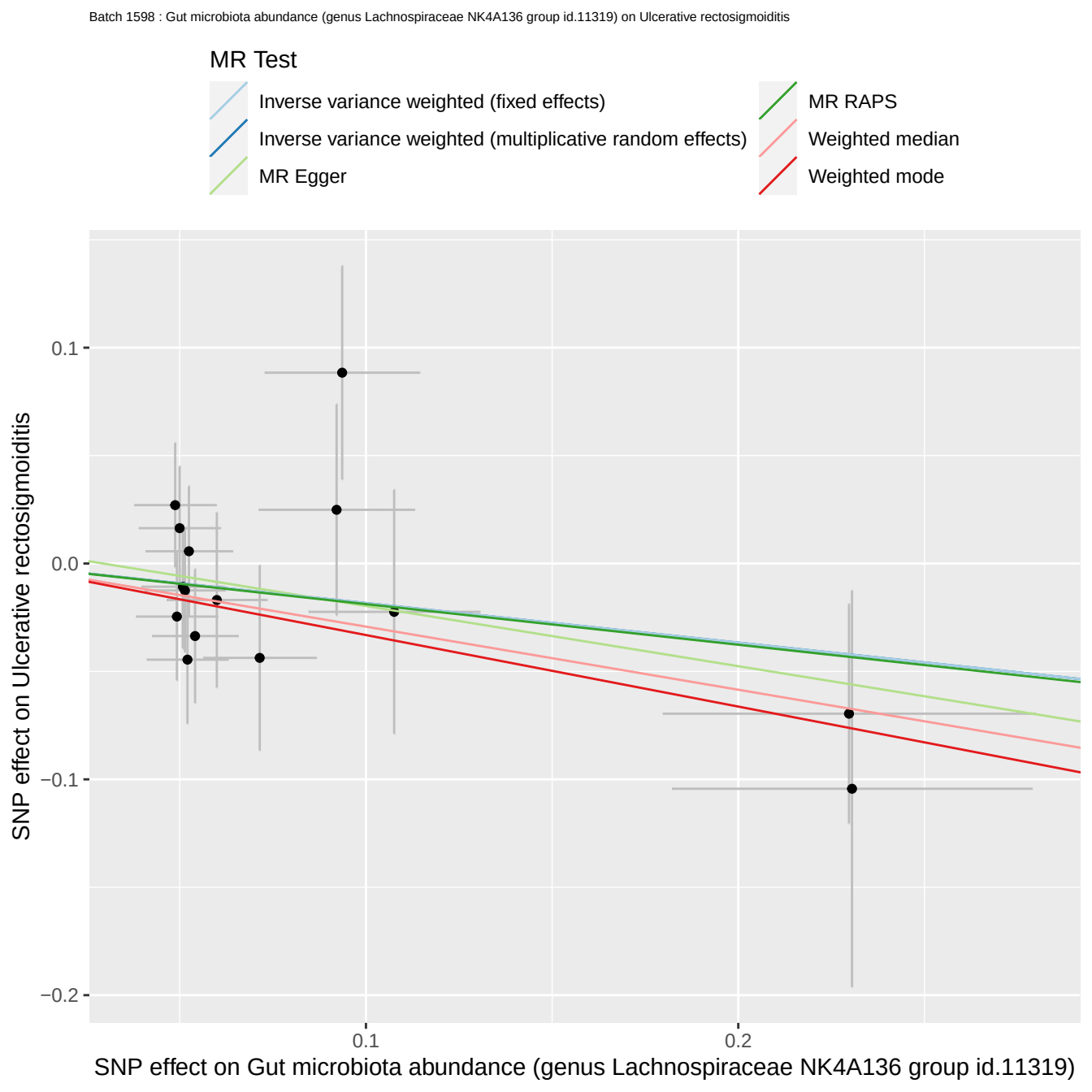


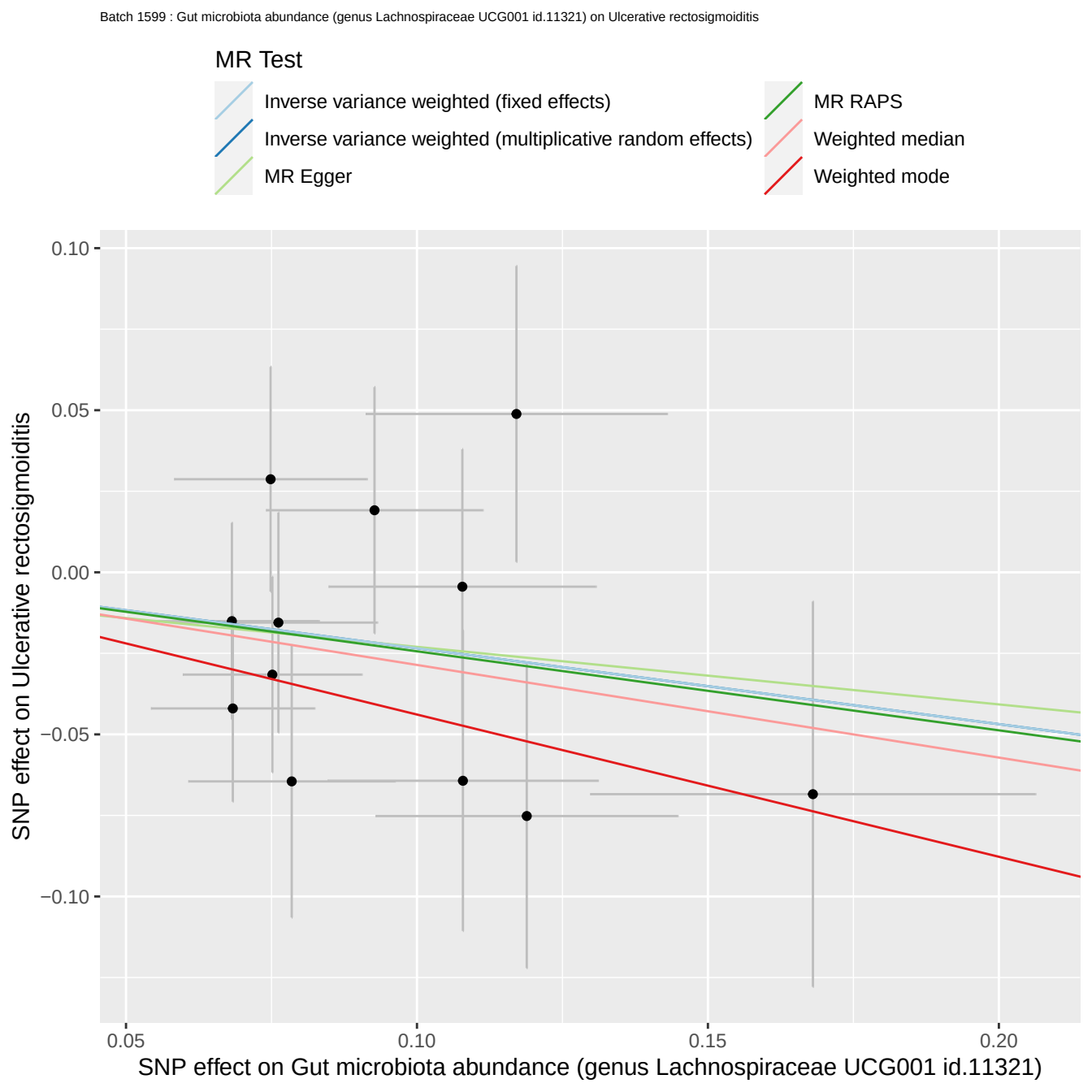

Batch 1595 : Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lachnospiraceae FCS020 group id.11314)

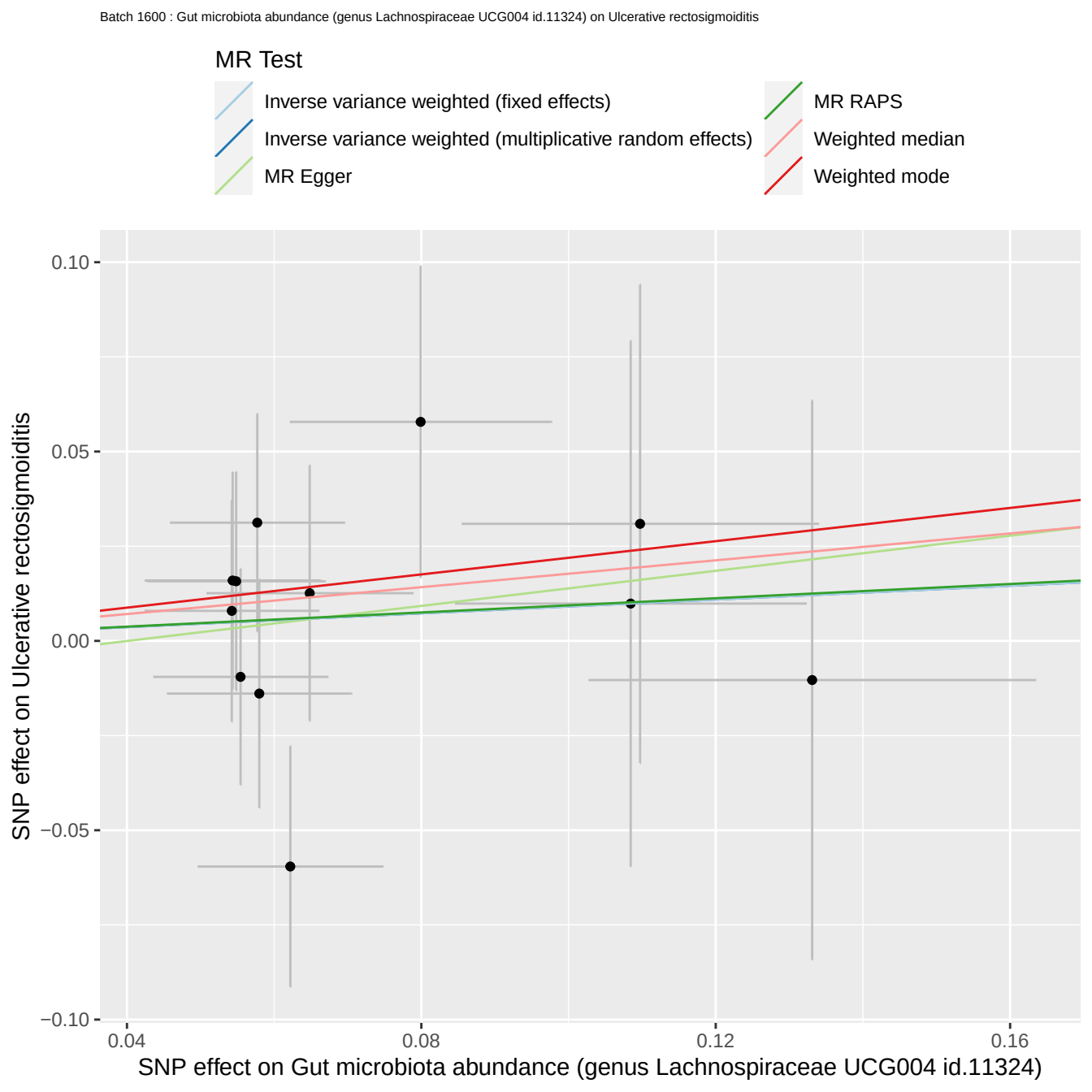
Batch 1596 : Gut microbiota abundance (genus Lachnospiraceae NC2004 group id.11316) on Ulcerative rectosigmoiditis

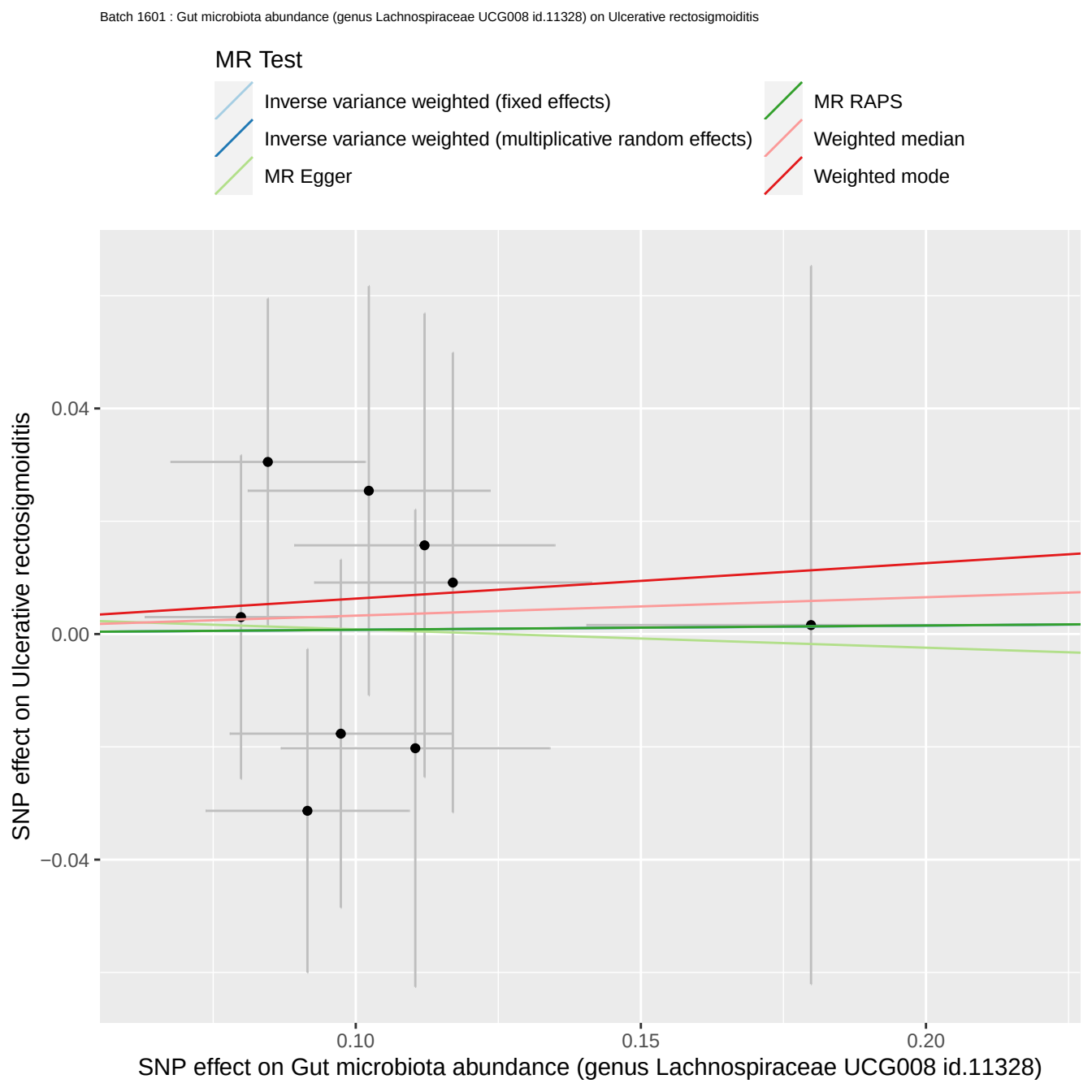


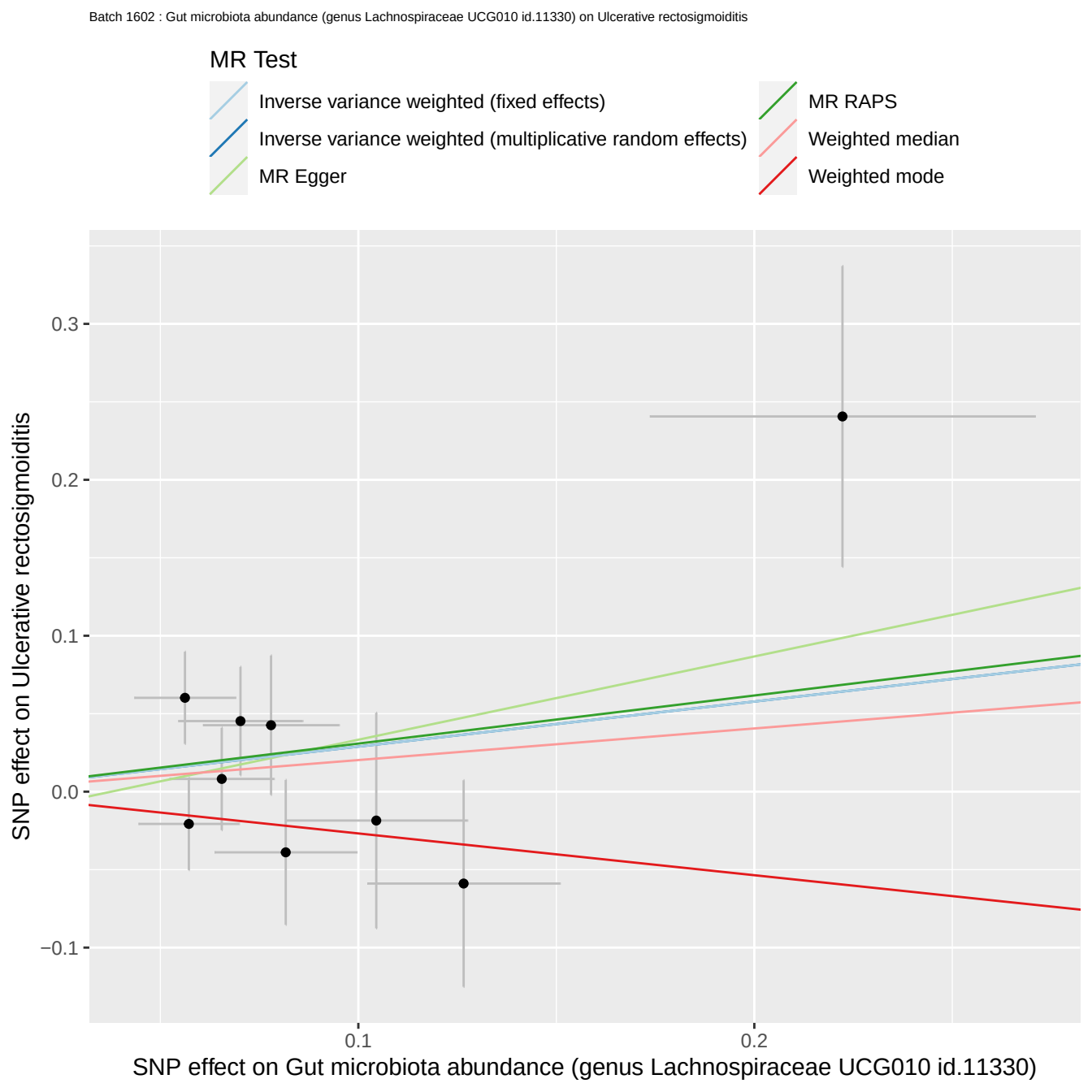

Batch 1597 : Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR RAPS
0.000
−0.025
−0.050
SNP effect on Ulcerative rectosigmoiditis
0.05
0.06
0.07
0.08
SNP effect on Gut microbiota abundance (genus Lachnospiraceae ND3007 group id.11317)


Batch 1598 : Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae NK4A136 group id.11319)

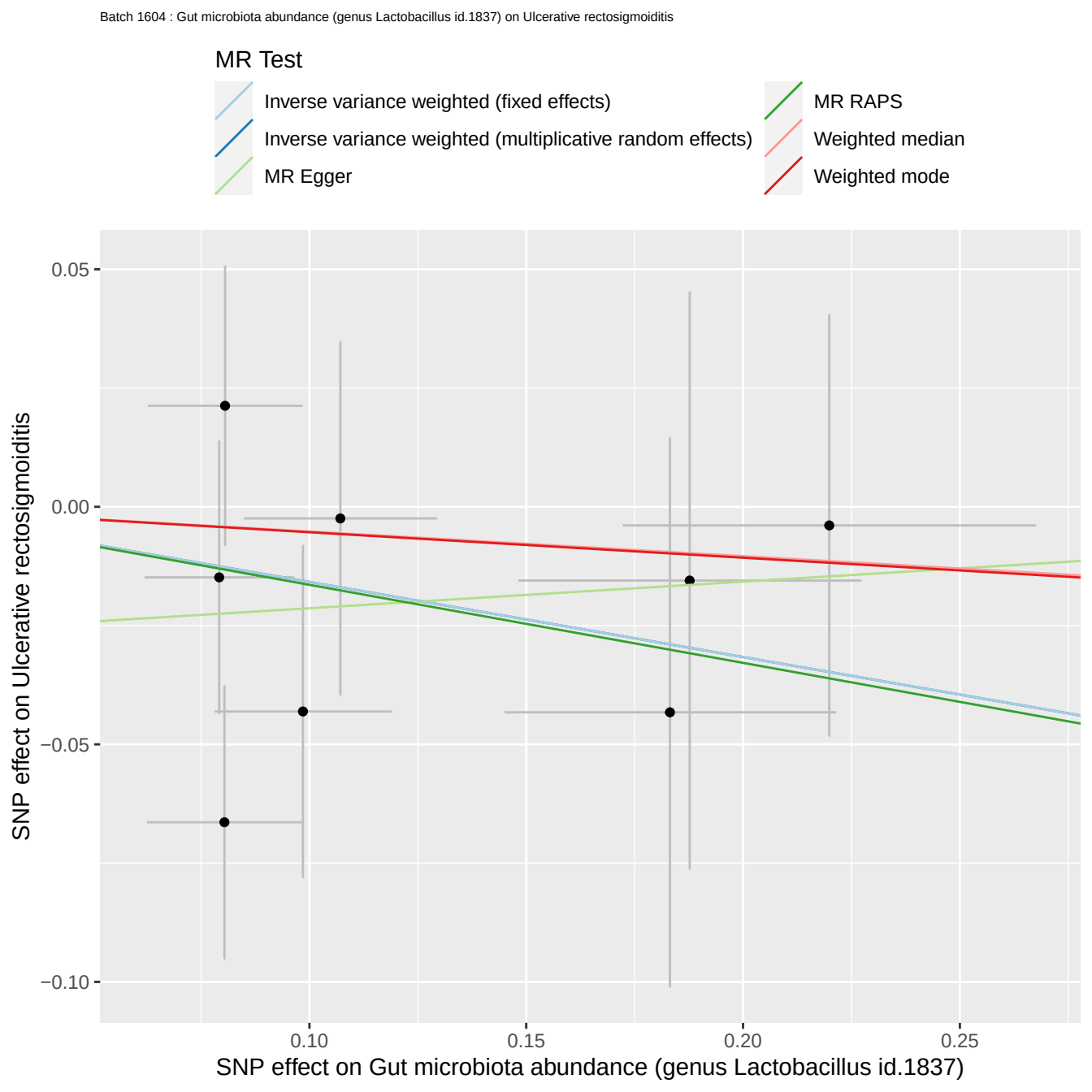

Batch 1599 : Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG001 id.11321)

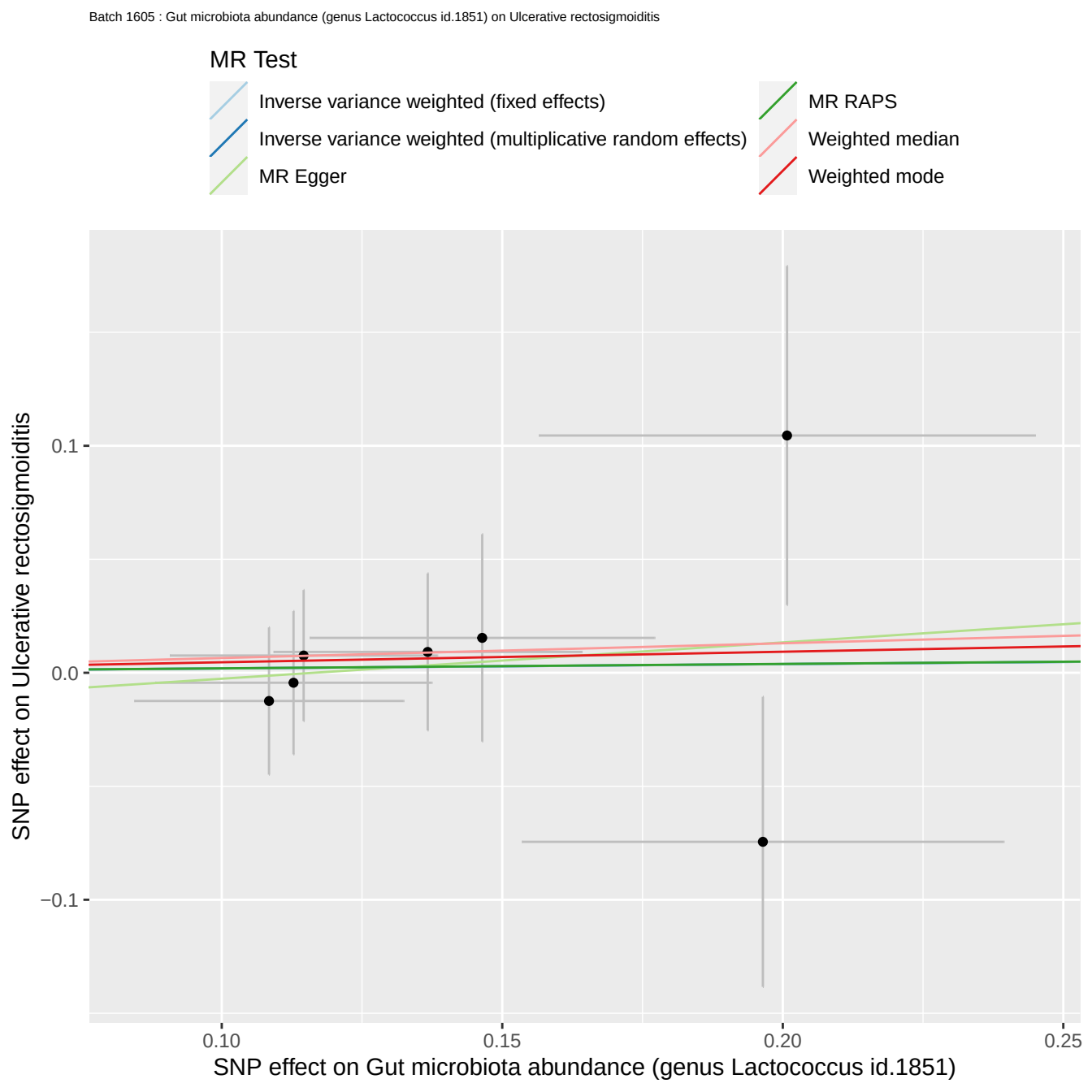

Batch 1600 : Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG004 id.11324)

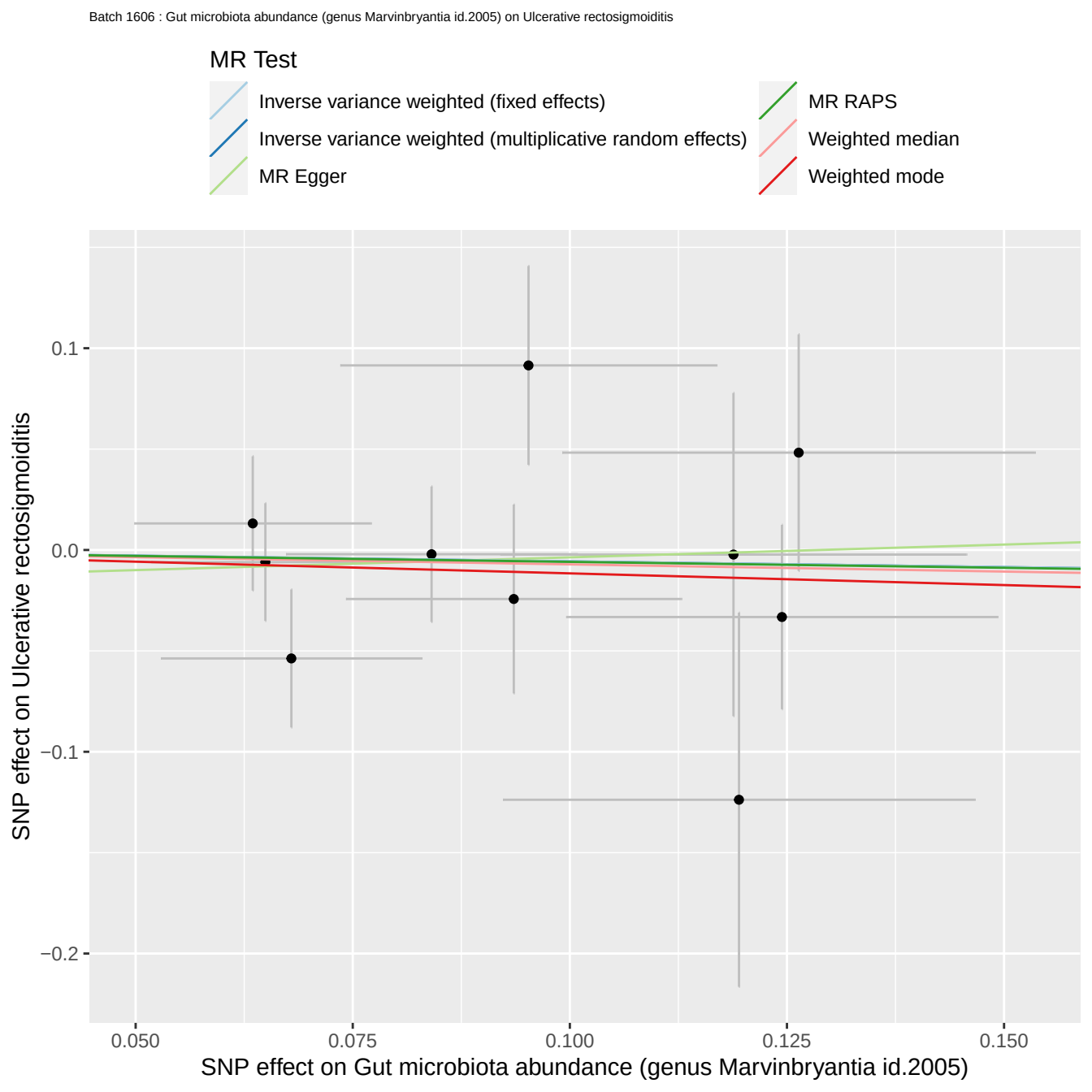

Batch 1601 : Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.04
0.00
−0.04
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG008 id.11328)


Batch 1602 : Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.3
0.2
0.1
0.0
−0.1
0.1
0.2
SNP effect on Gut microbiota abundance (genus Lachnospiraceae UCG010 id.11330)

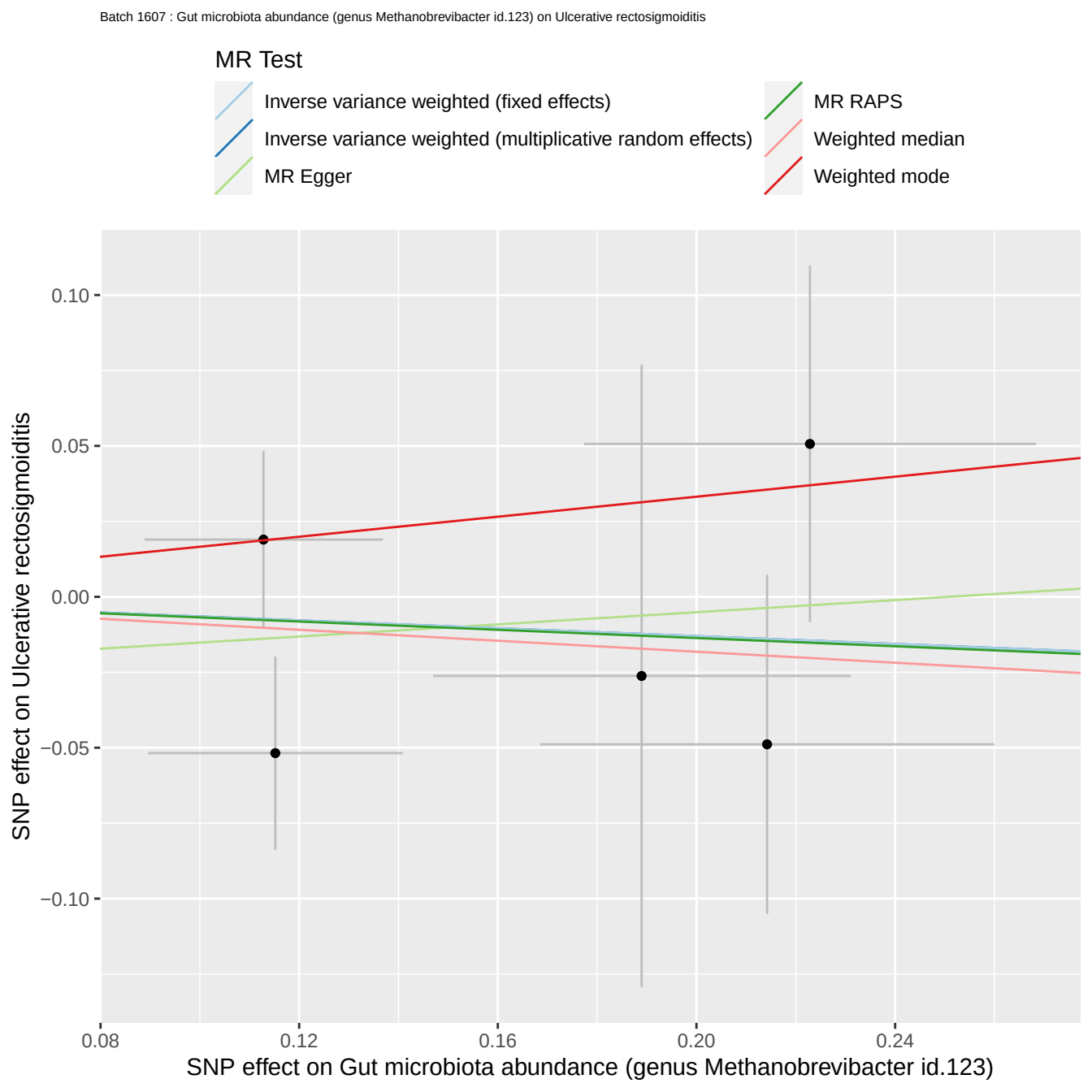
Insufficient number of SNPs


Batch 1604 : Gut microbiota abundance (genus Lactobacillus id.1837) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactobacillus id.1837)

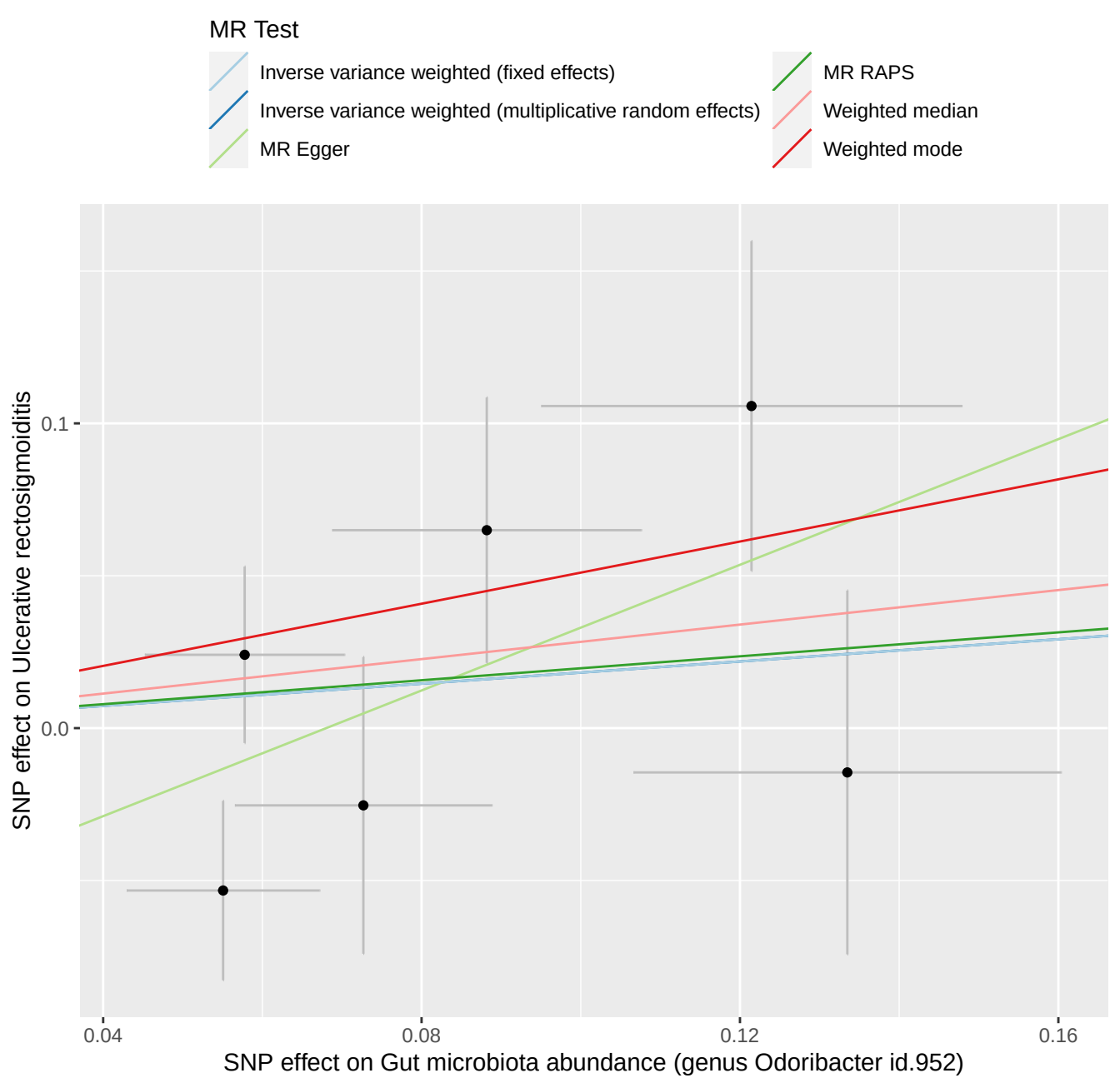

Batch 1605 : Gut microbiota abundance (genus Lactococcus id.1851) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Lactococcus id.1851)


MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Marvinbryantia id.2005)

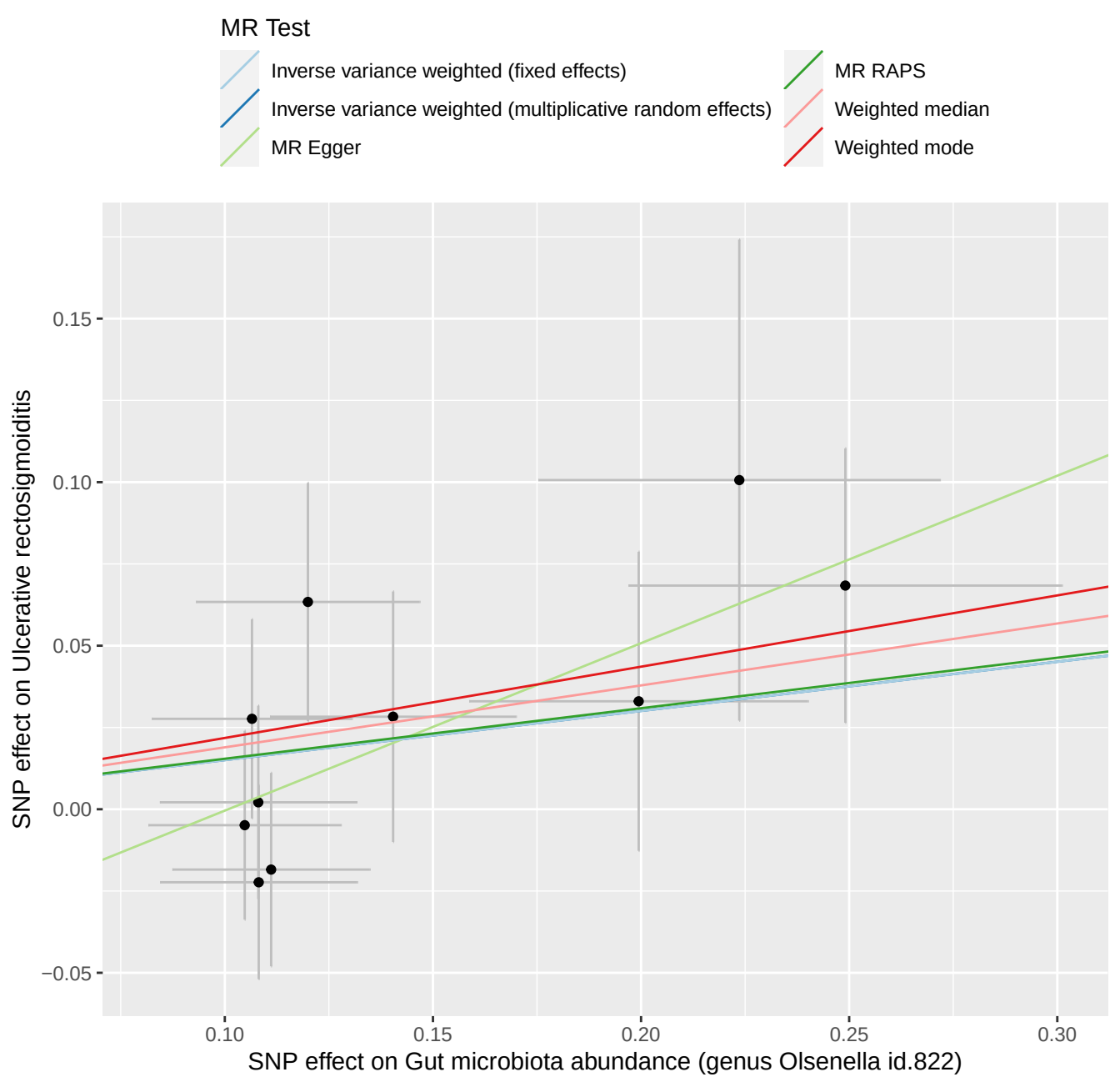
Batch 1607 : Gut microbiota abundance (genus Methanobrevibacter id.123) on Ulcerative rectosigmoiditis

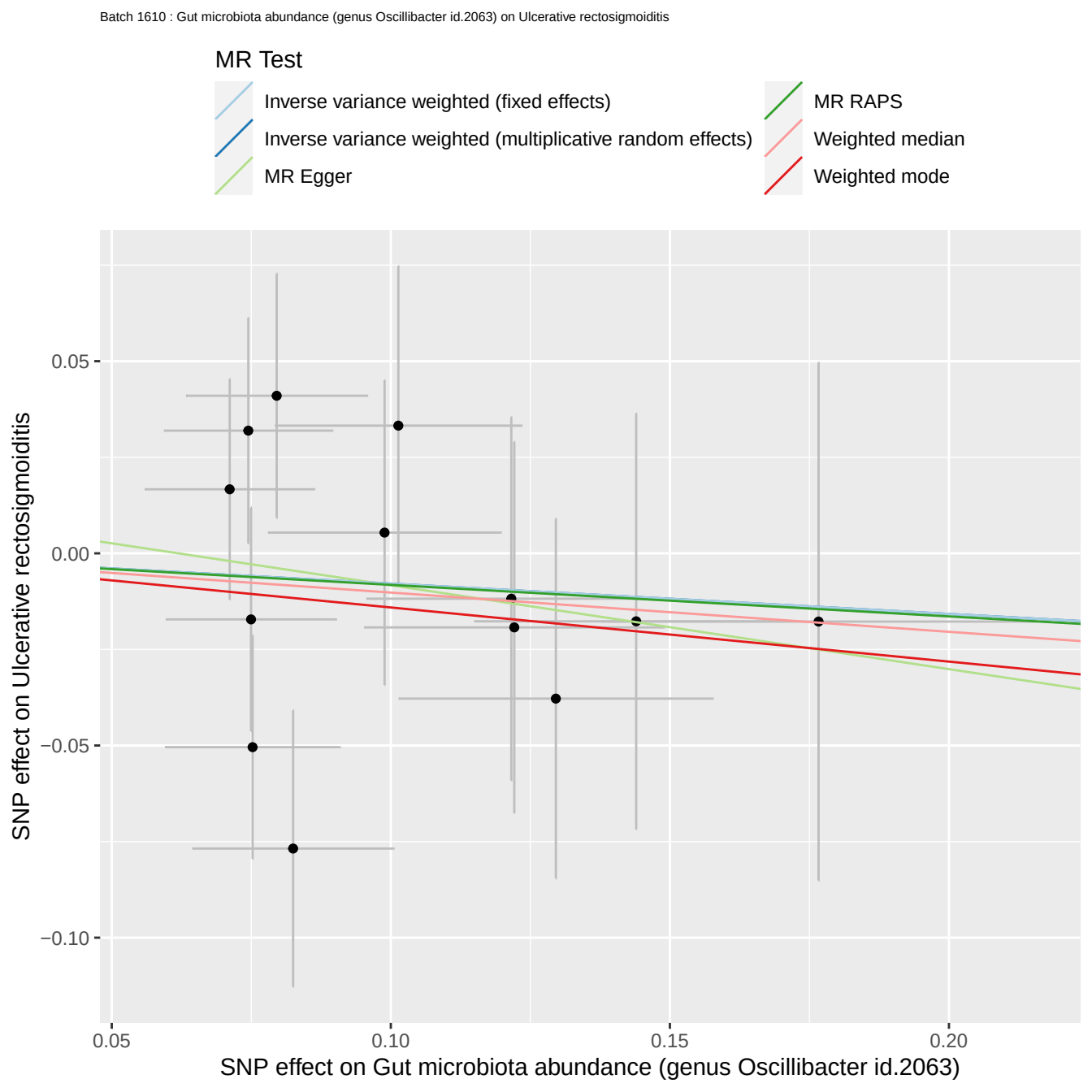


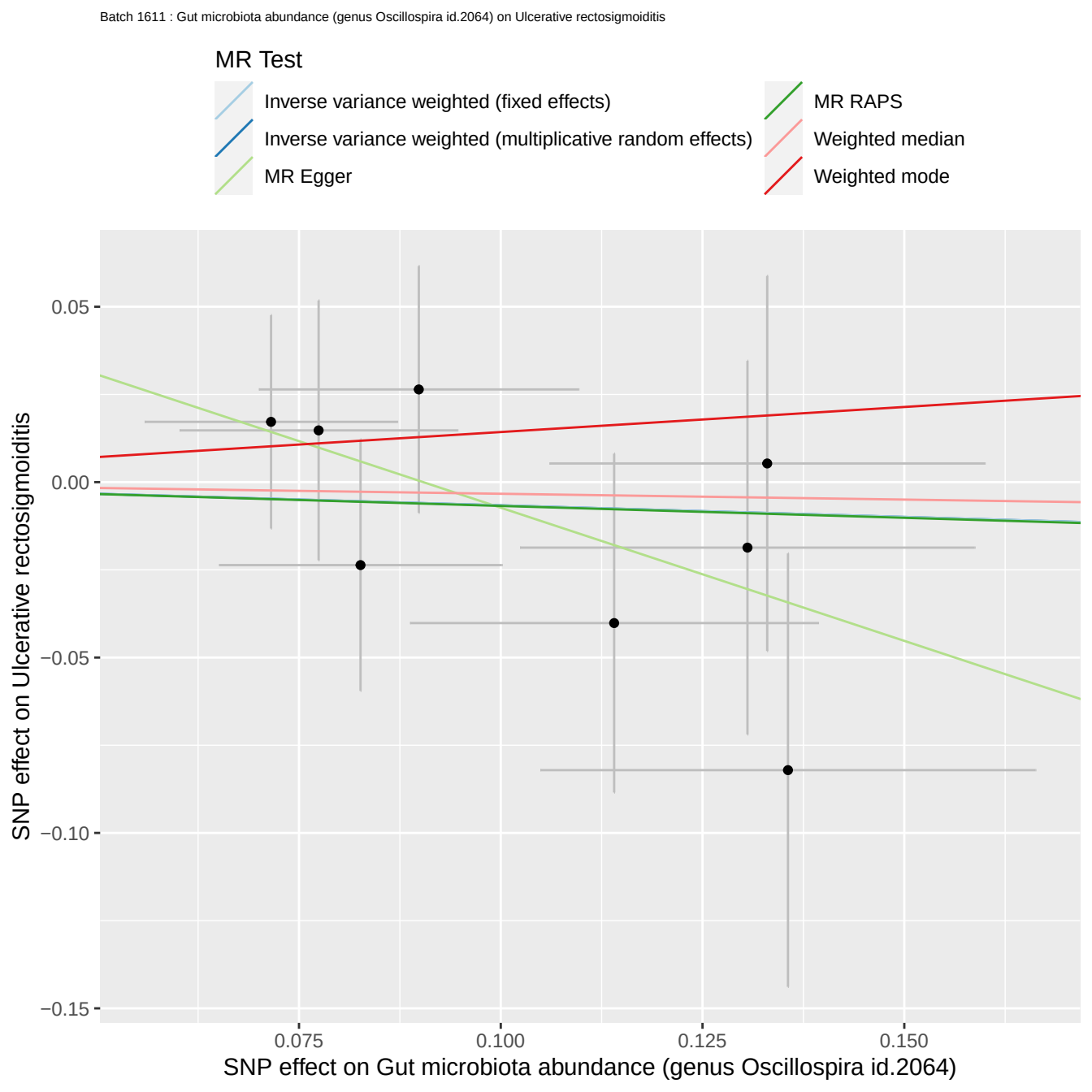
Batch 1608 : Gut microbiota abundance (genus Odoribacter id.952) on Ulcerative rectosigmoiditis

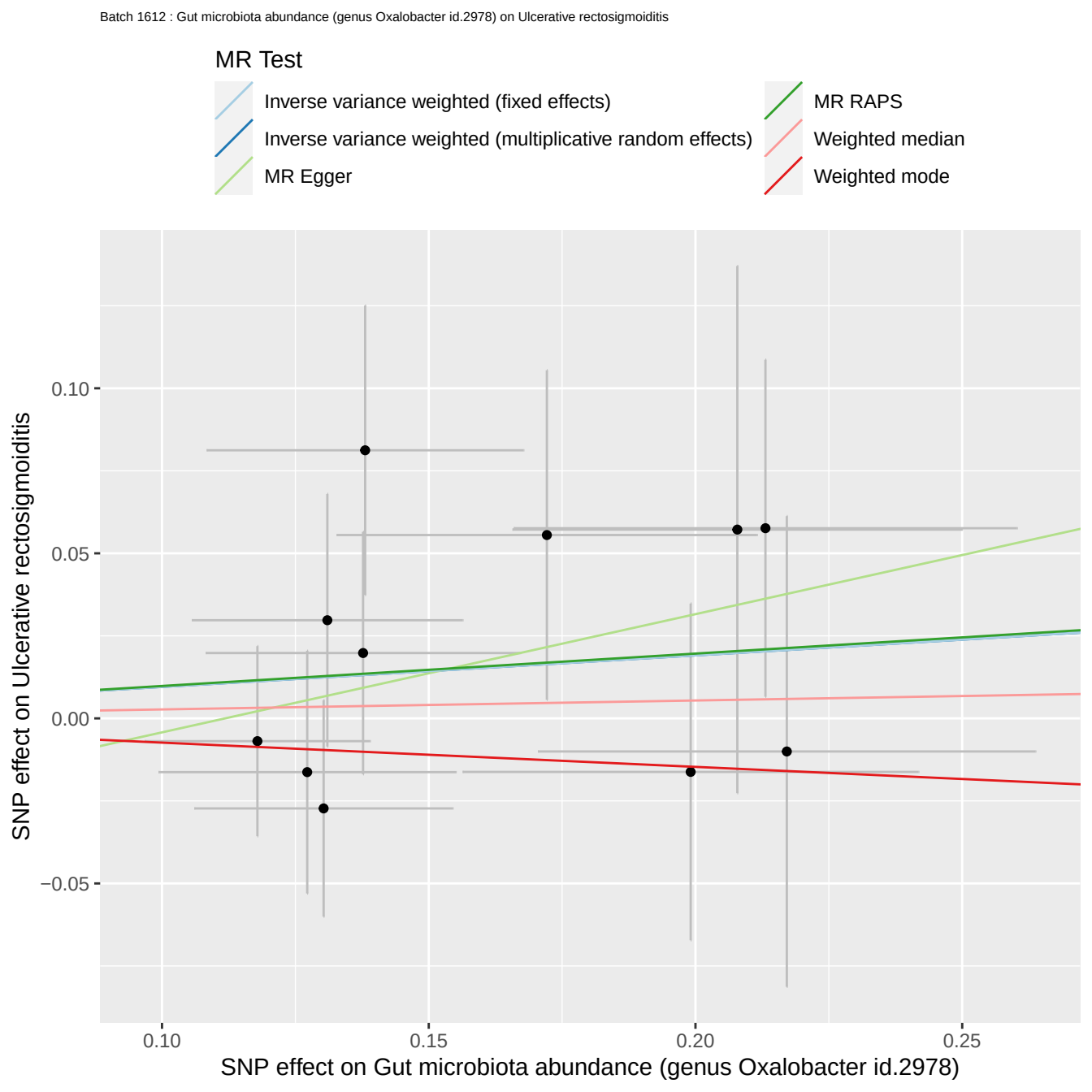


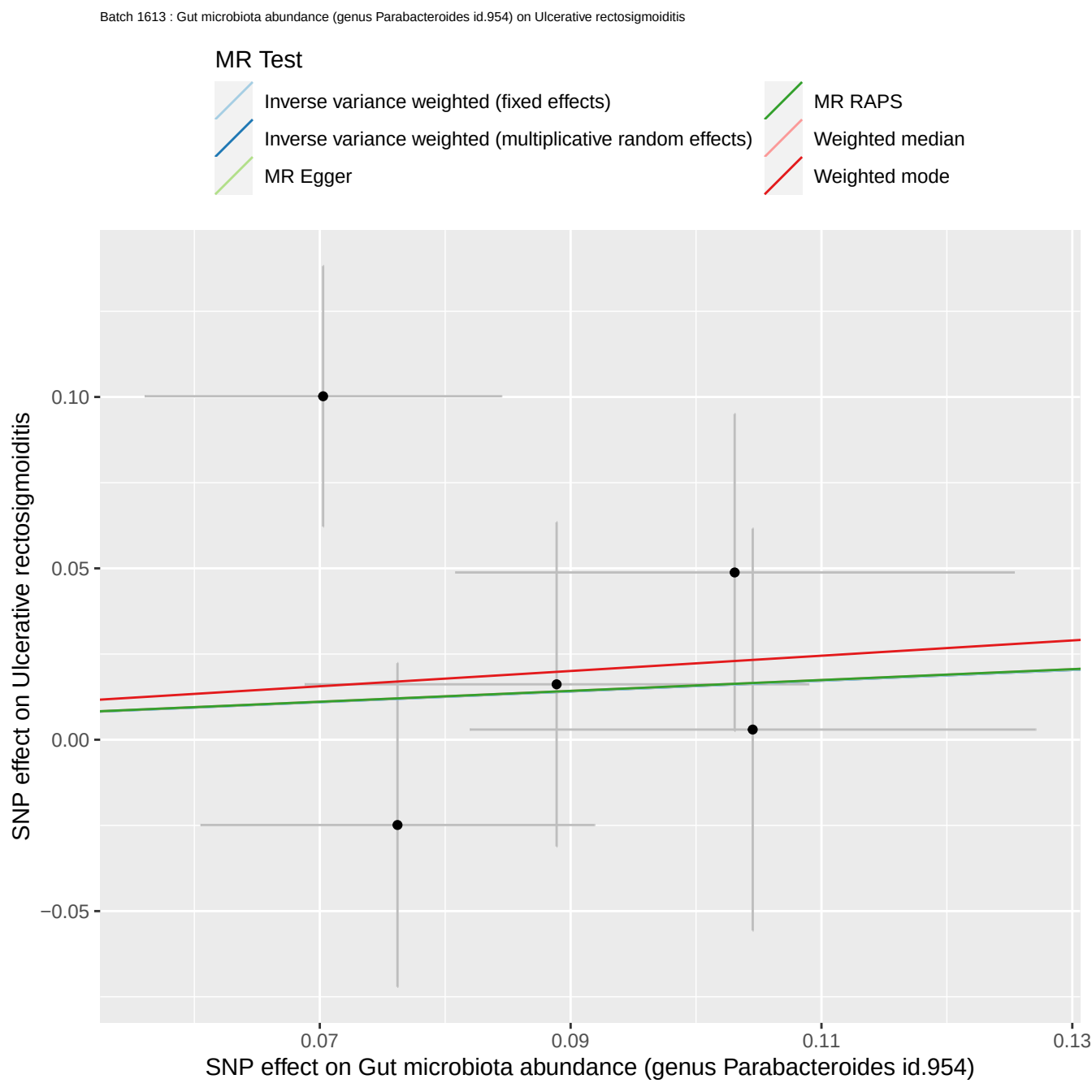
Batch 1609 : Gut microbiota abundance (genus Olsenella id.822) on Ulcerative rectosigmoiditis

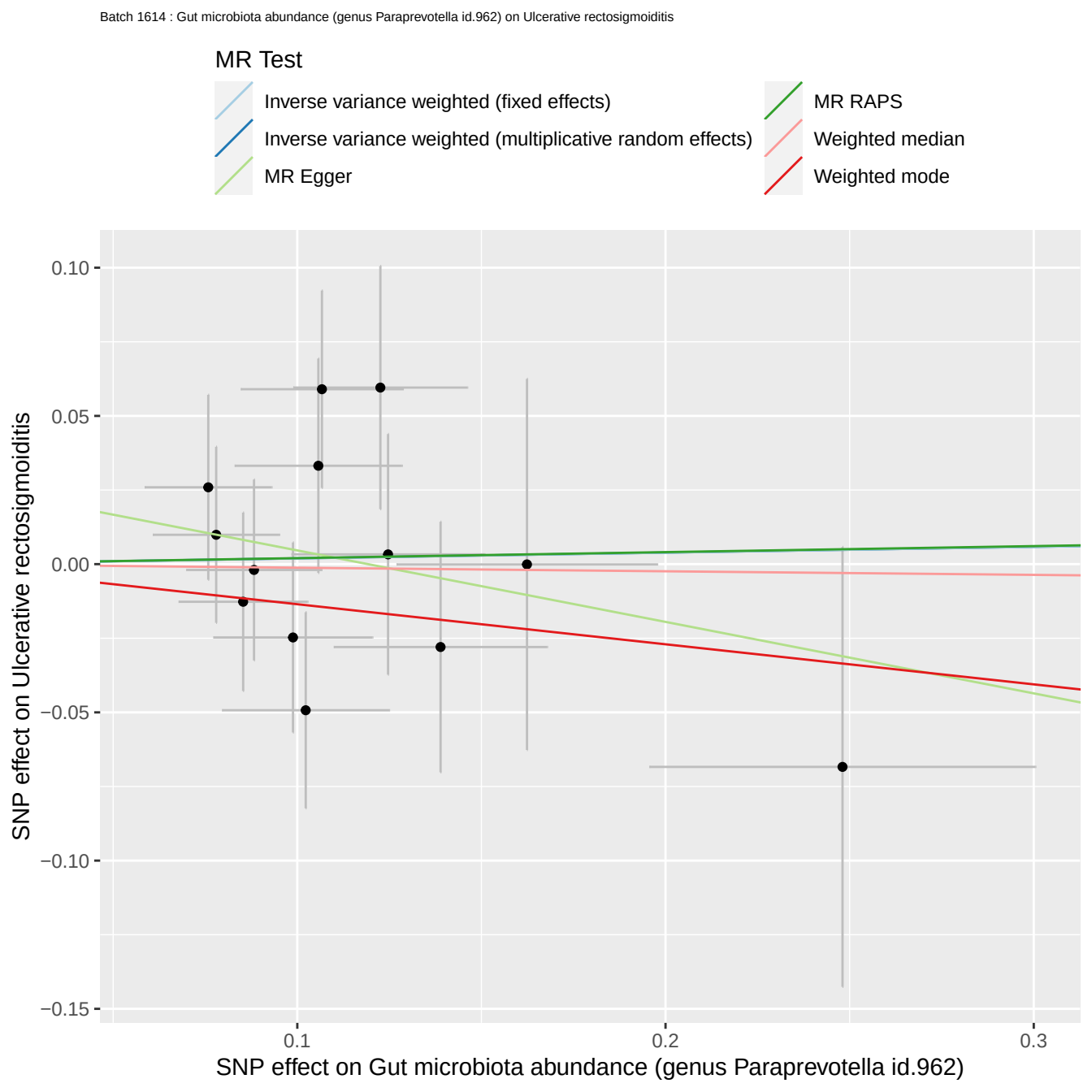


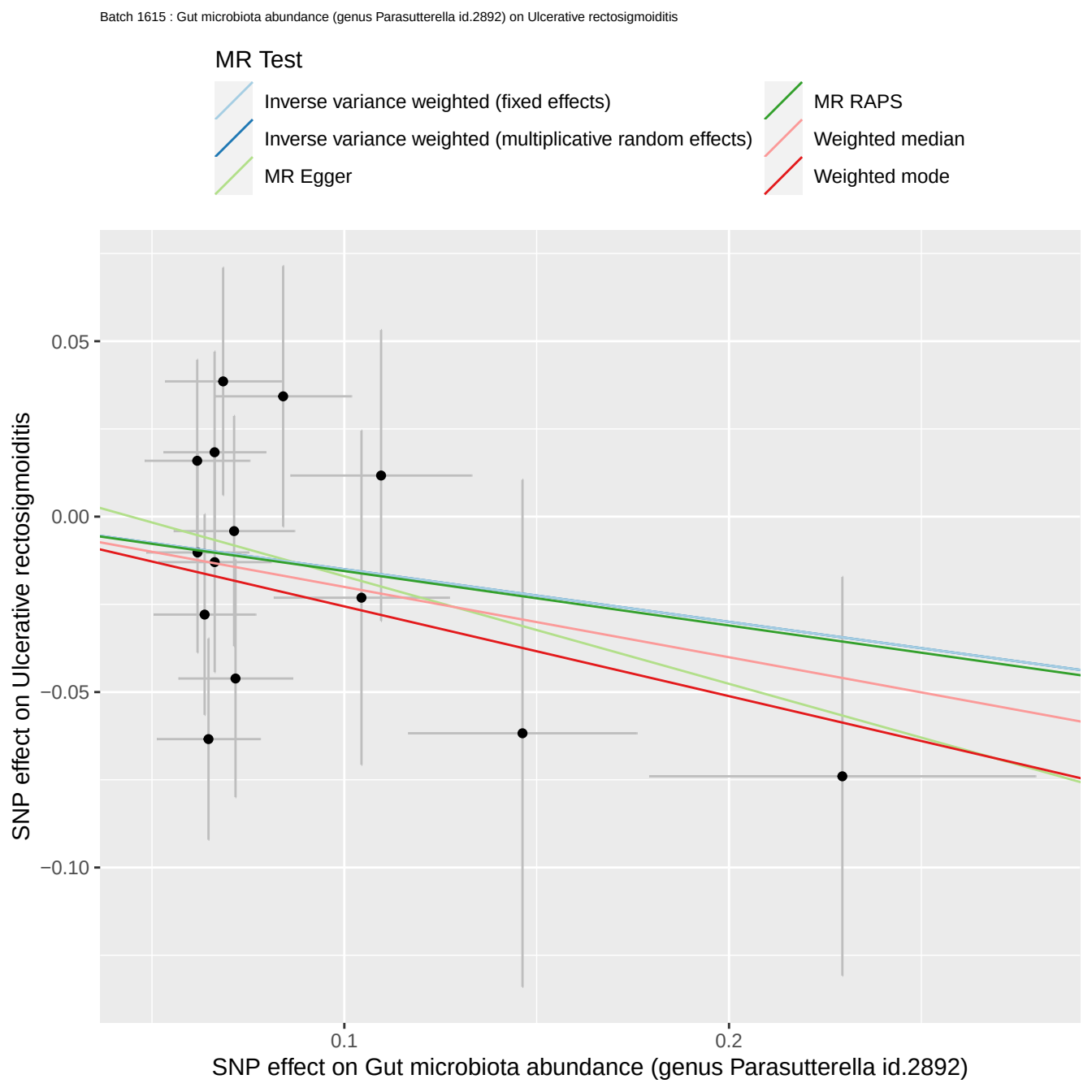

Batch 1610 : Gut microbiota abundance (genus Oscillibacter id.2063) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Oscillibacter id.2063)

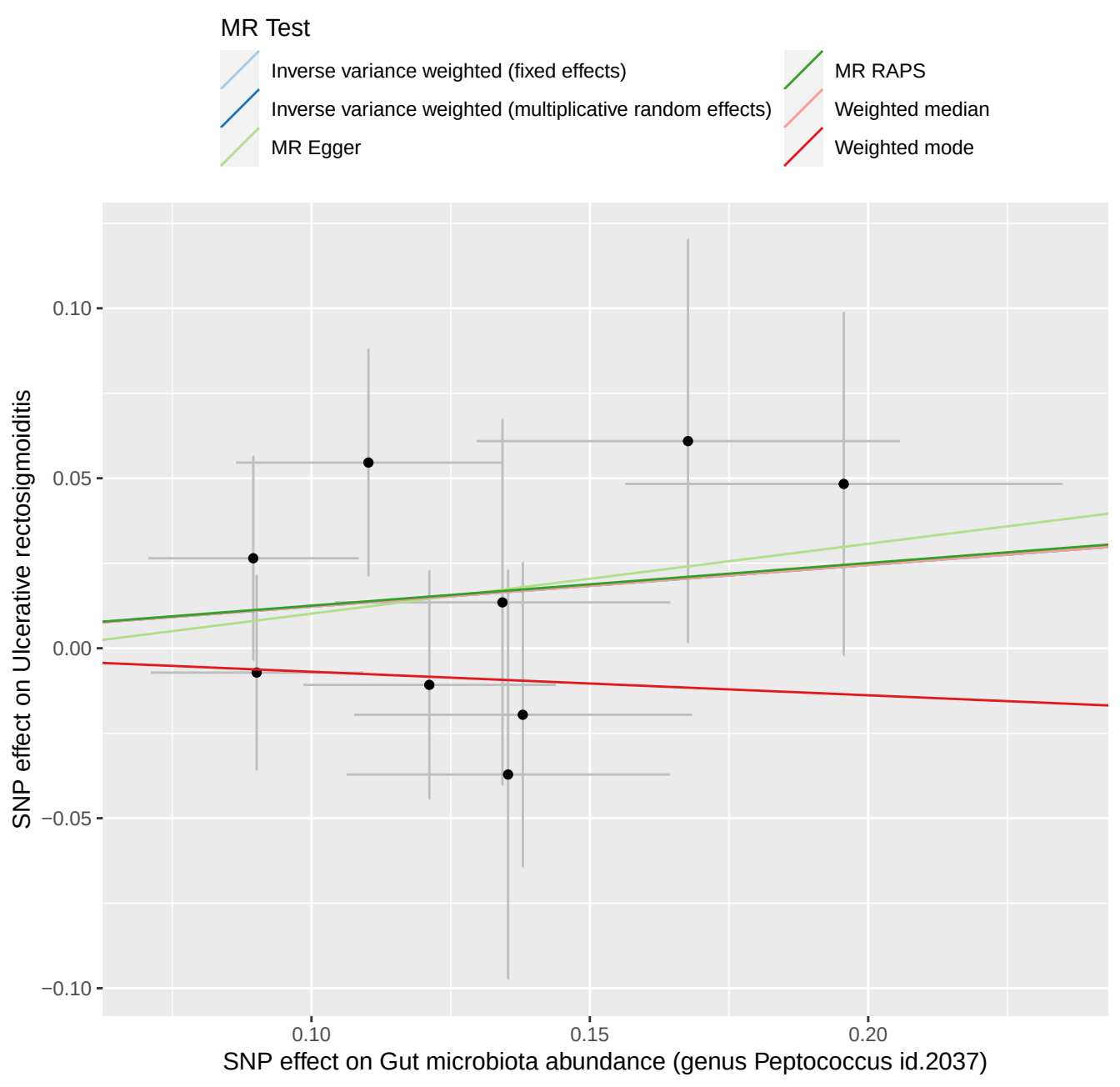

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
−0.15
SNP effect on Ulcerative rectosigmoiditis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Oscillospira id.2064)

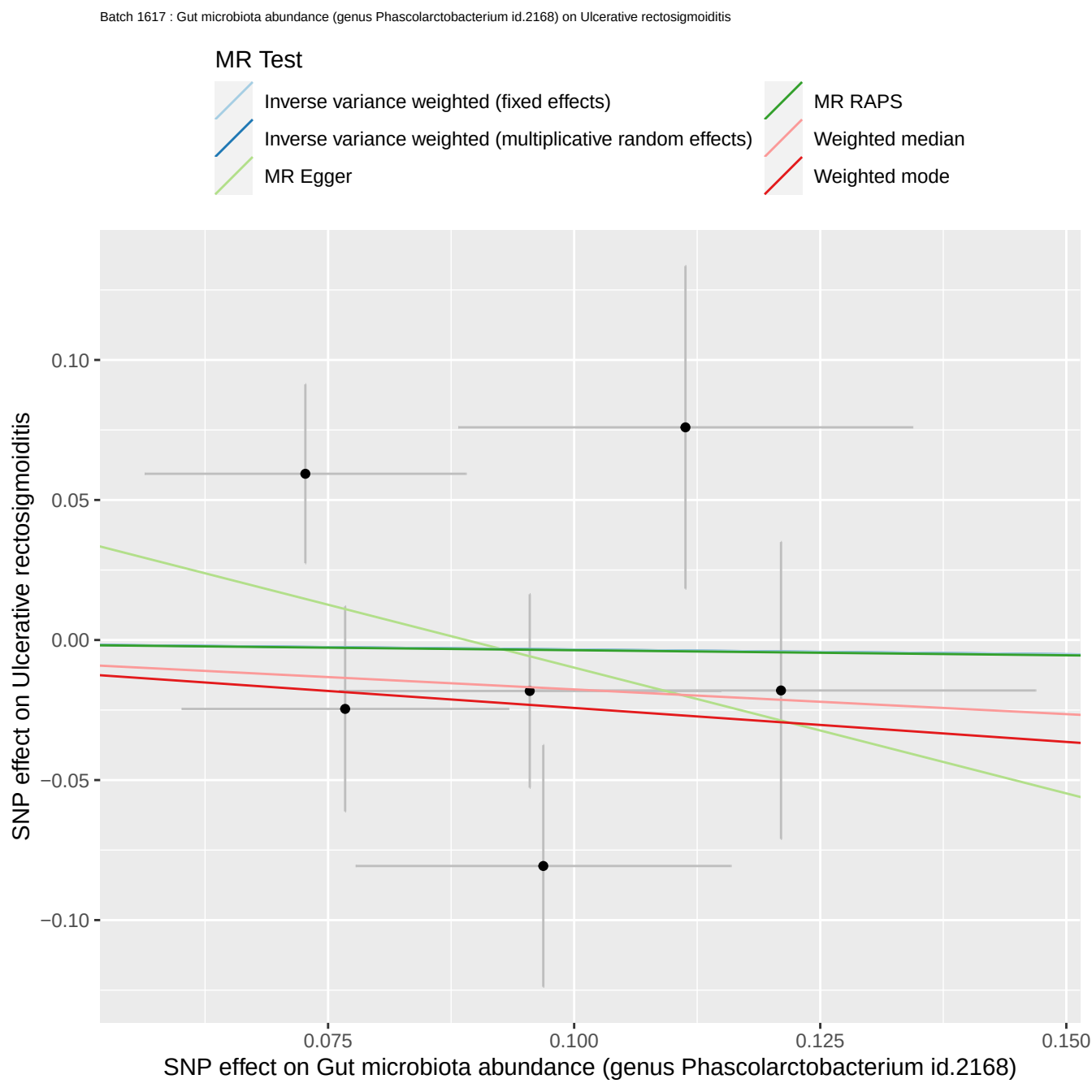

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Oxalobacter id.2978)

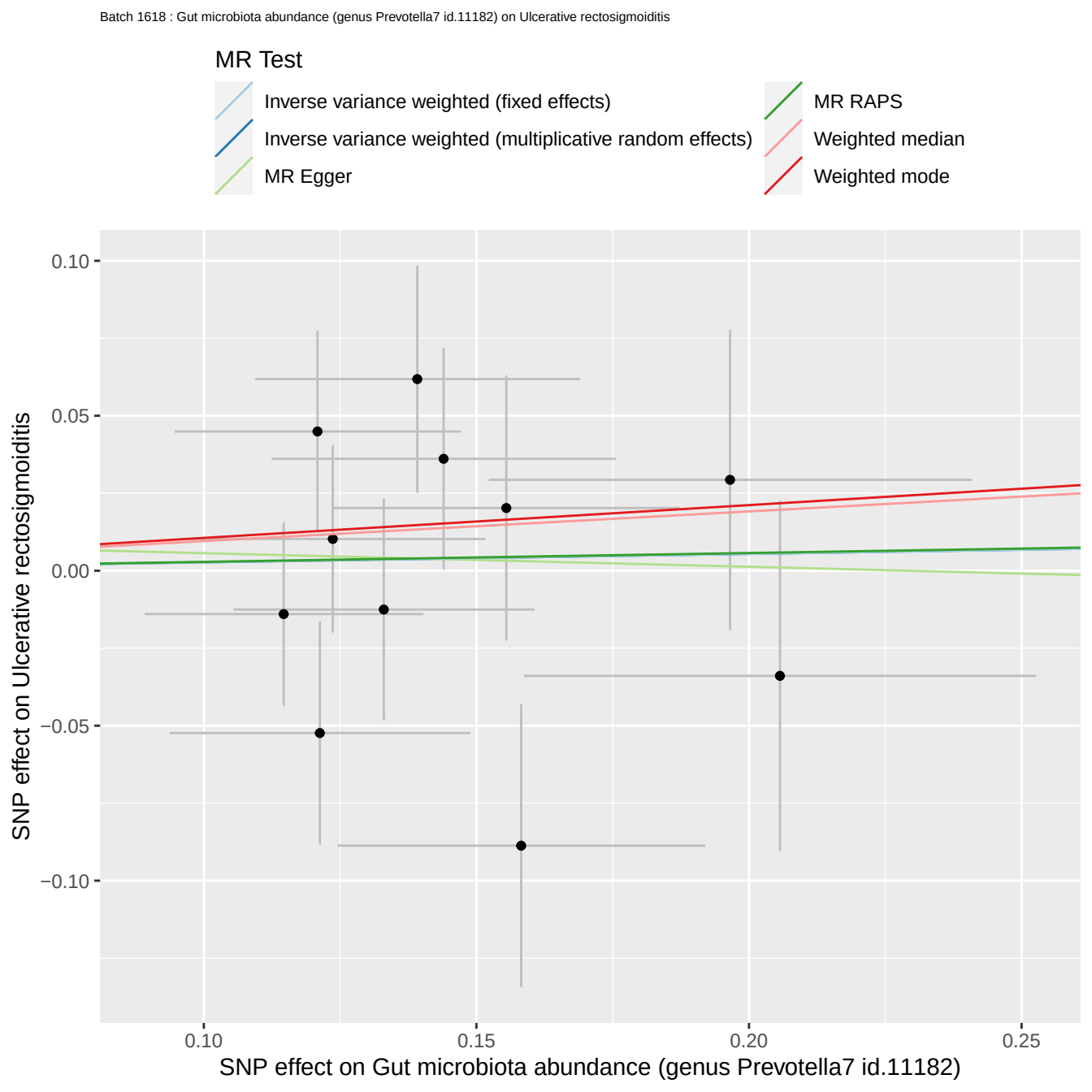

Batch 1613 : Gut microbiota abundance (genus Parabacteroides id.954) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.07
0.09
0.11
0.13
SNP effect on Gut microbiota abundance (genus Parabacteroides id.954)

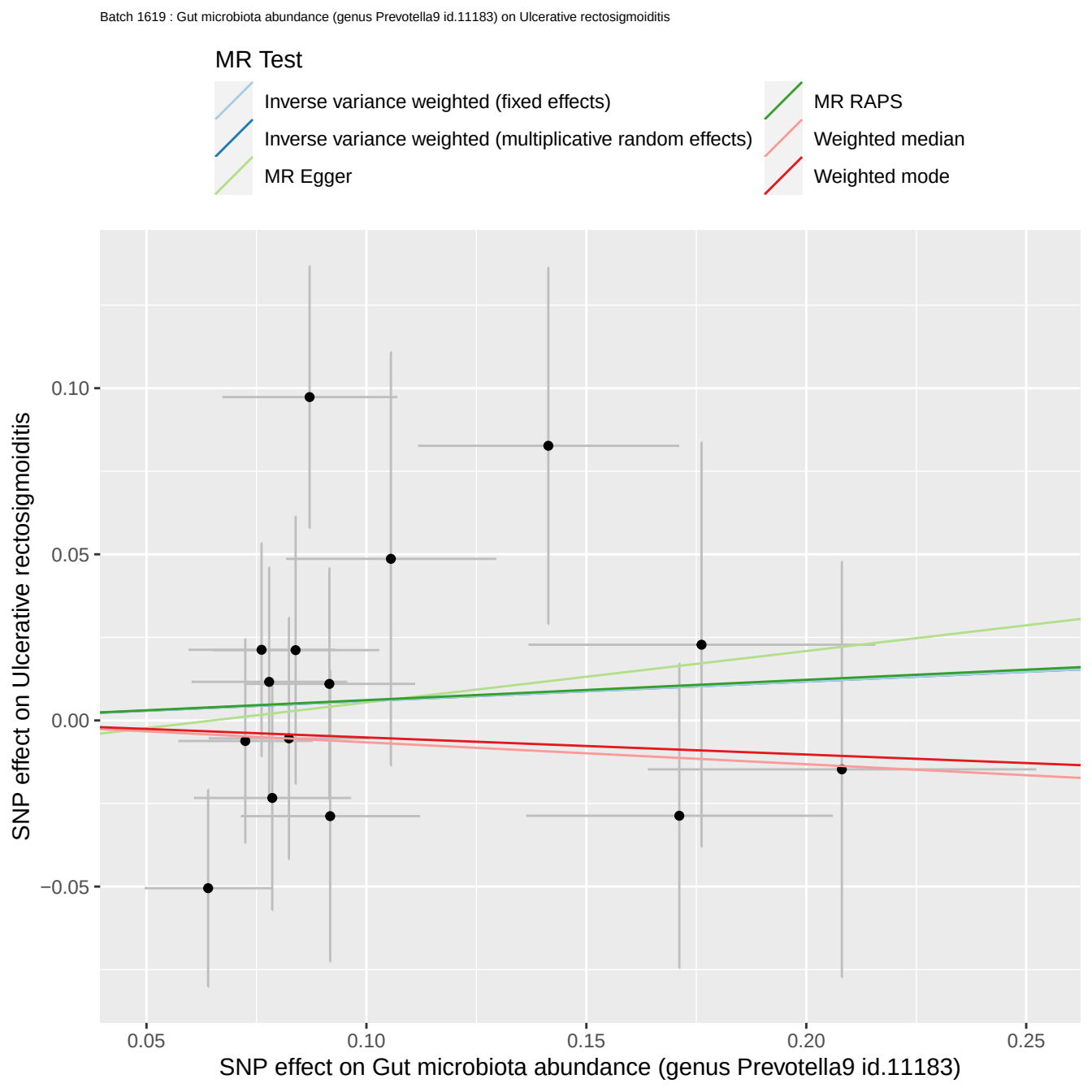

Batch 1614 : Gut microbiota abundance (genus Paraprevotella id.962) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
−0.15
0.1
0.2
0.3
SNP effect on Gut microbiota abundance (genus Paraprevotella id.962)


Batch 1615 : Gut microbiota abundance (genus Parasutterella id.2892) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Parasutterella id.2892)

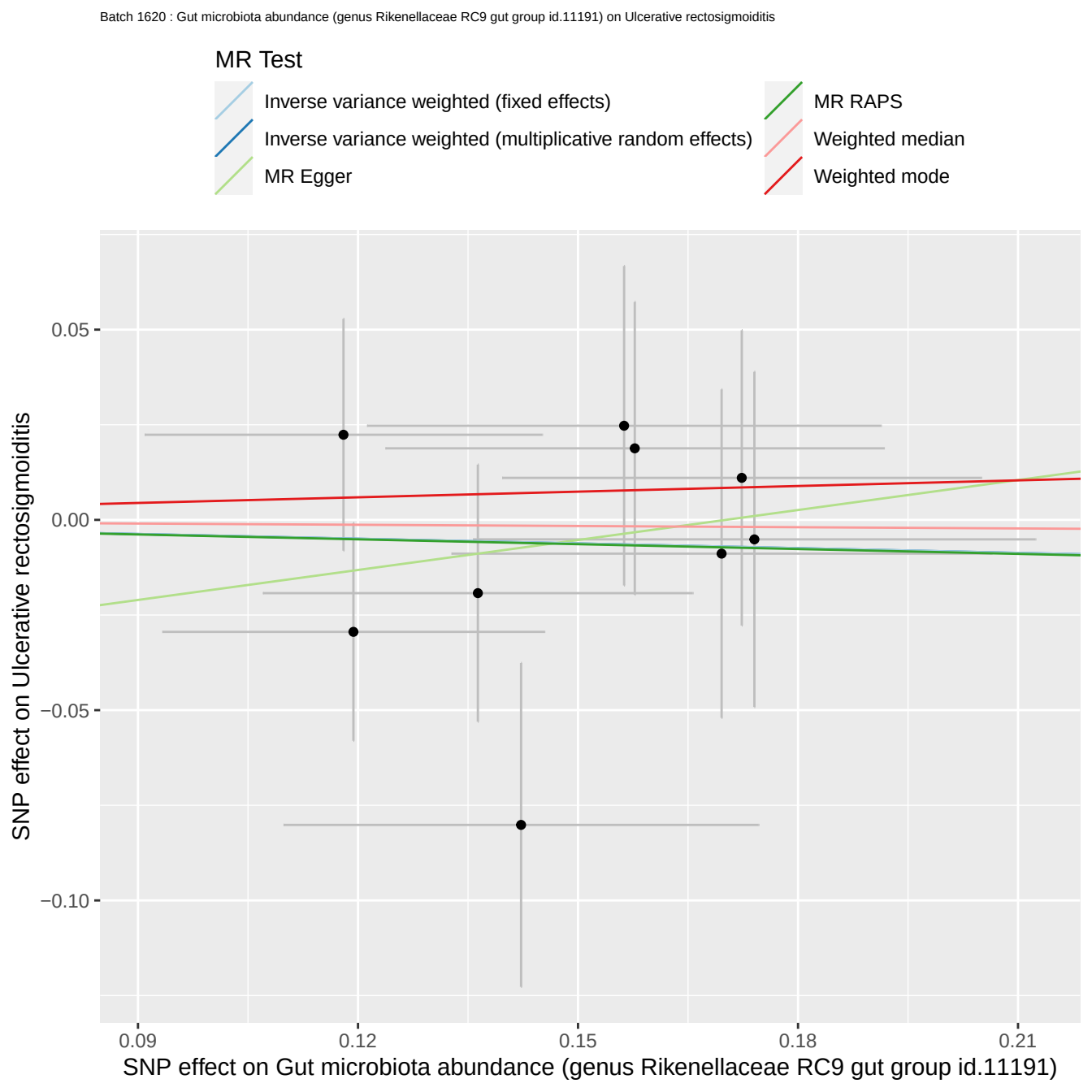

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Peptococcus id.2037)

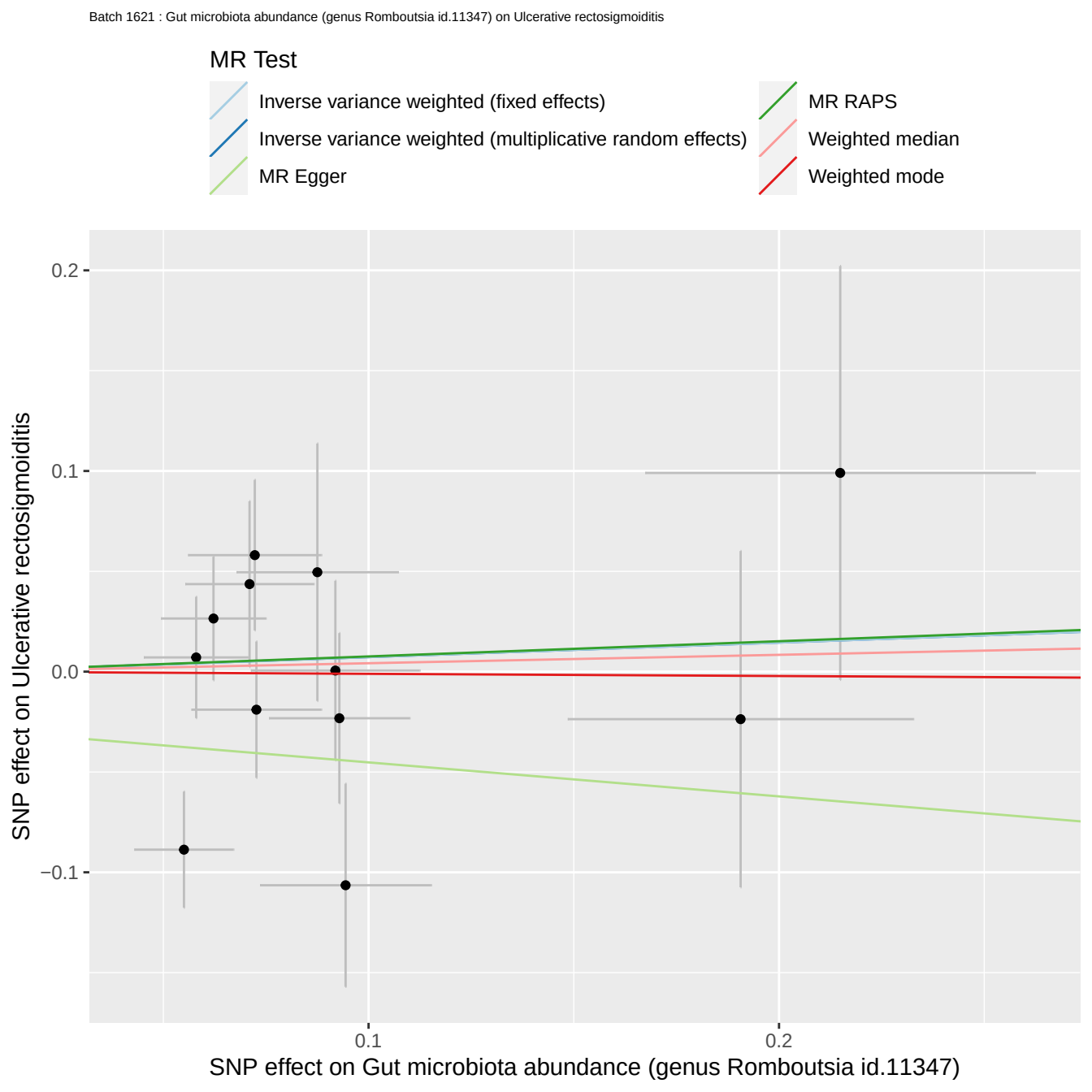

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Phascolarctobacterium id.2168)

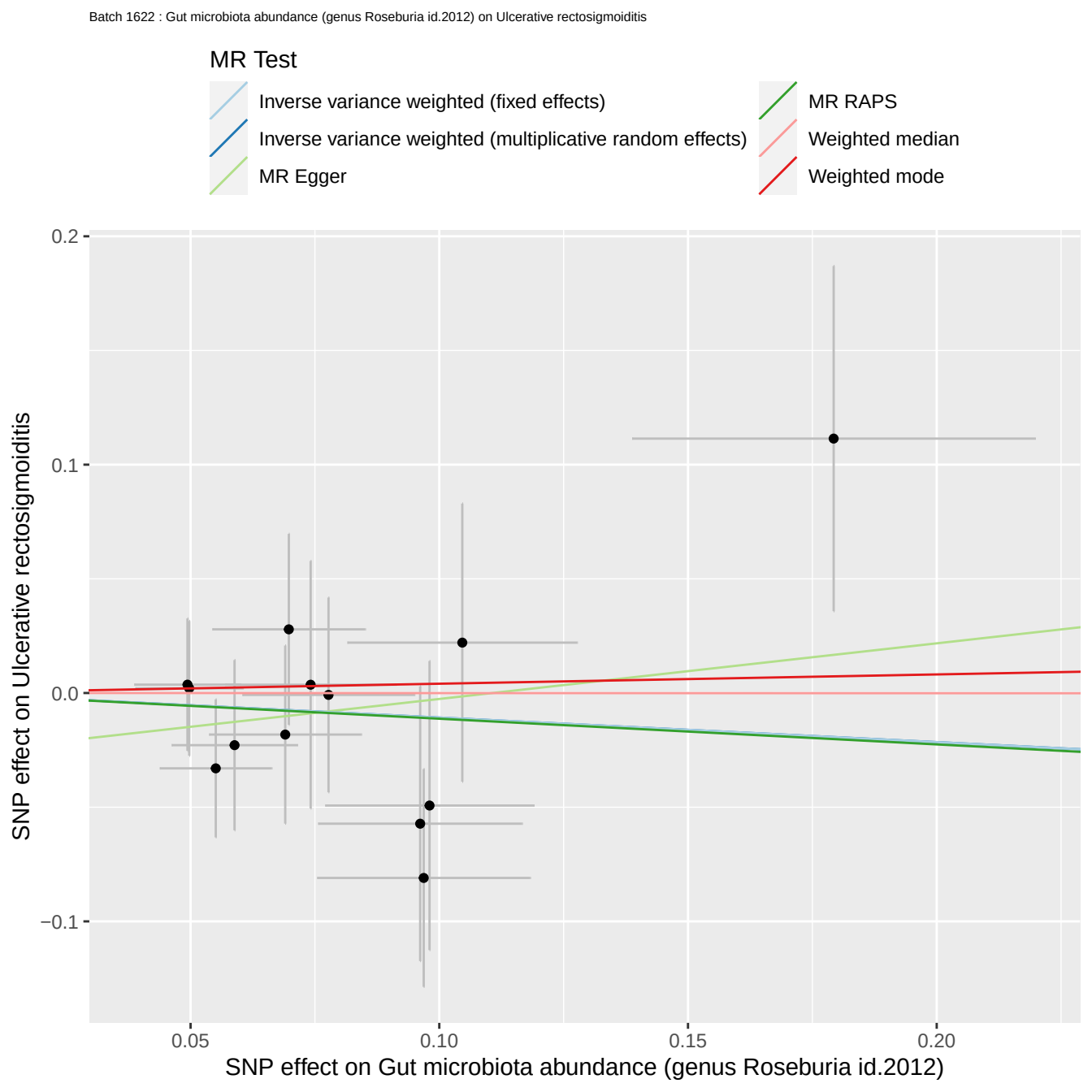

Batch 1618 : Gut microbiota abundance (genus Prevotella7 id.11182) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella7 id.11182)

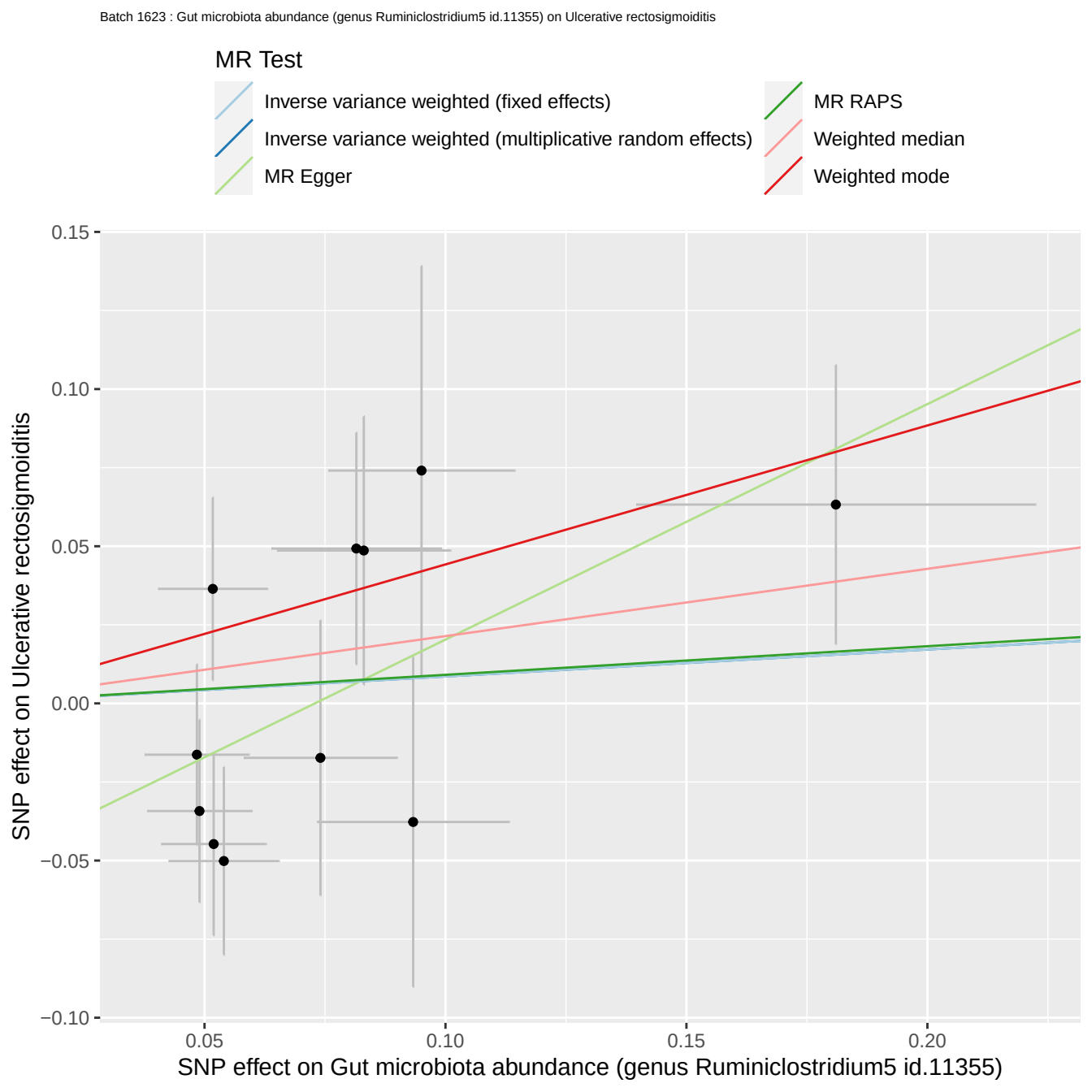

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Prevotella9 id.11183)

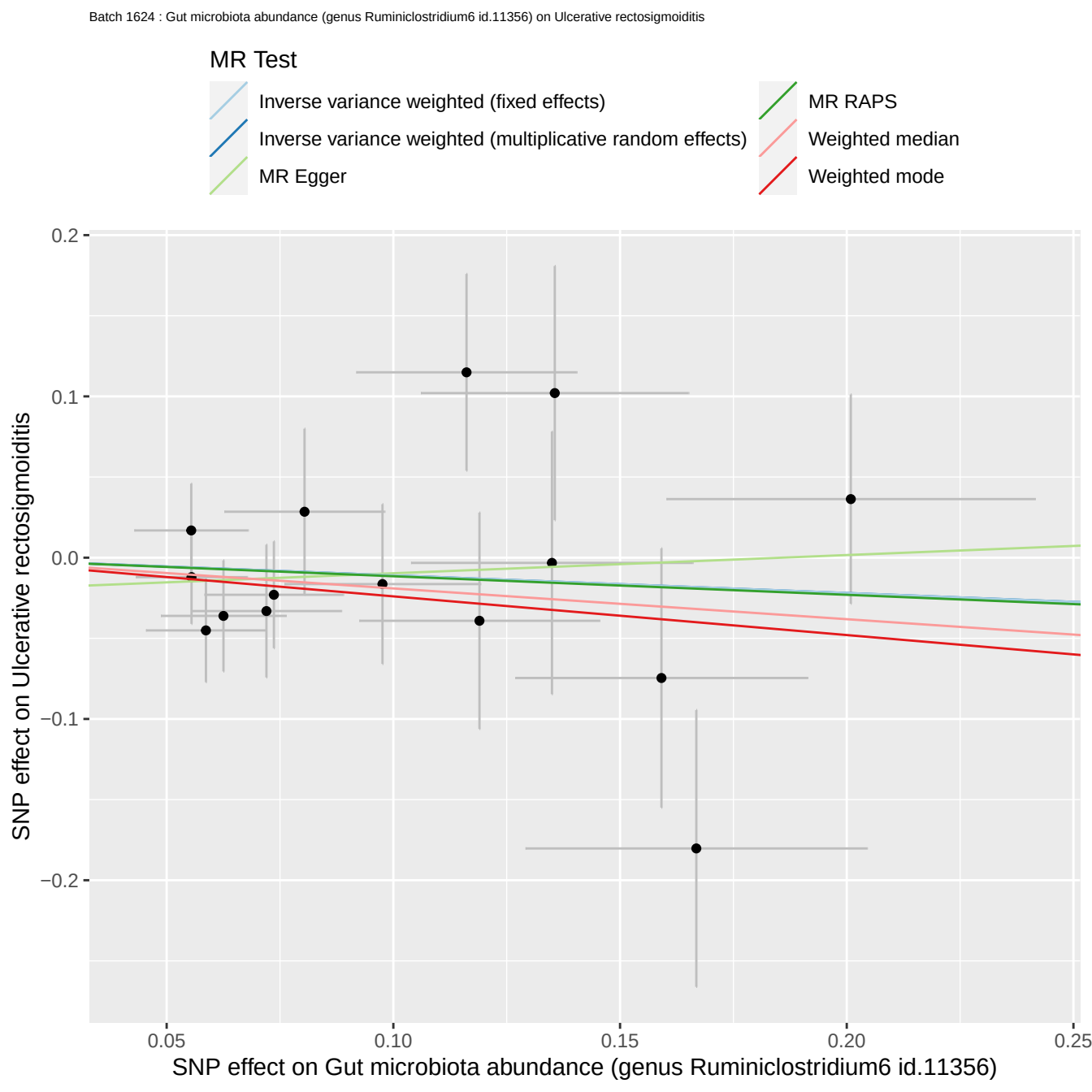
Batch 1620 : Gut microbiota abundance (genus Rikenellaceae RC9 gut group id.11191) on Ulcerative rectosigmoiditis

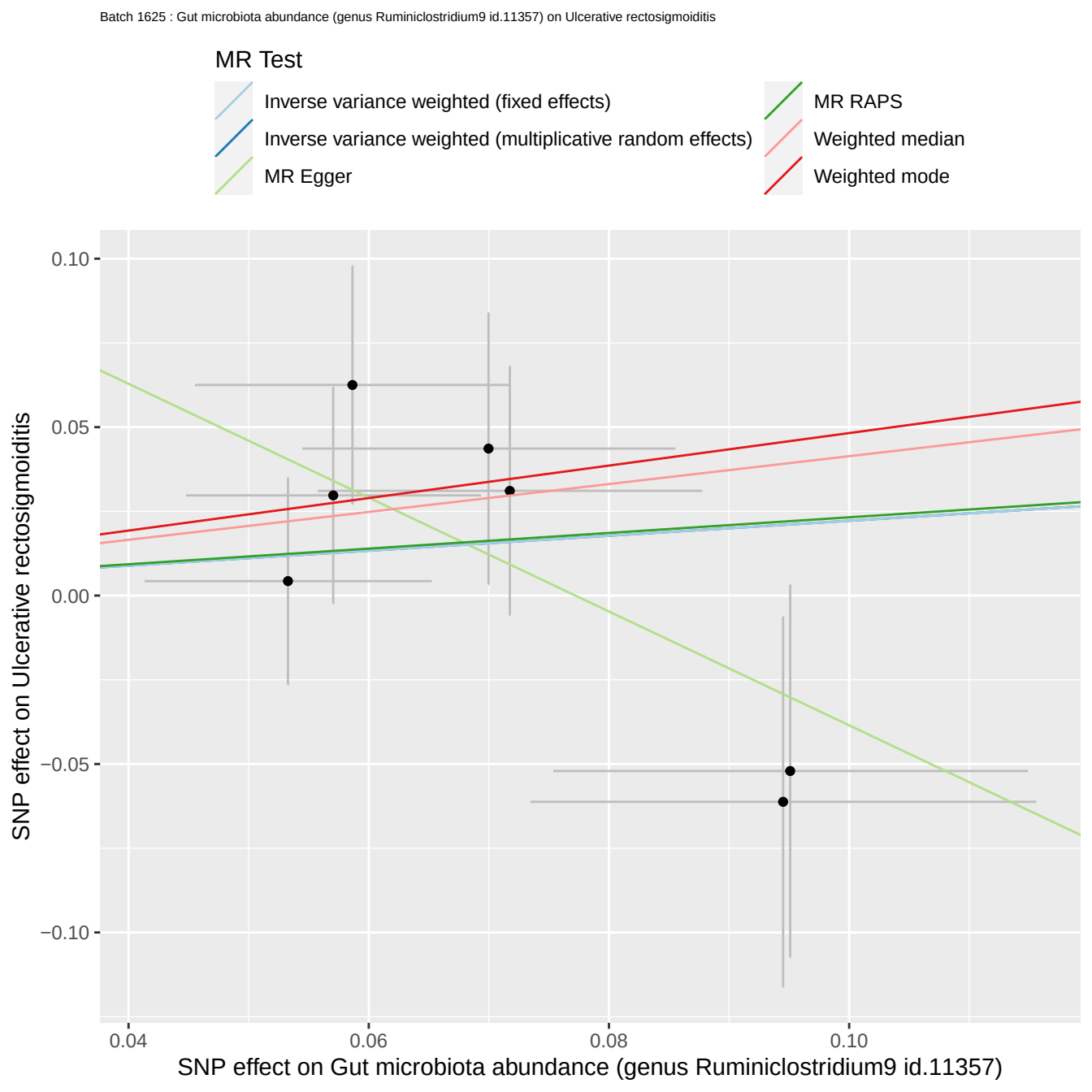


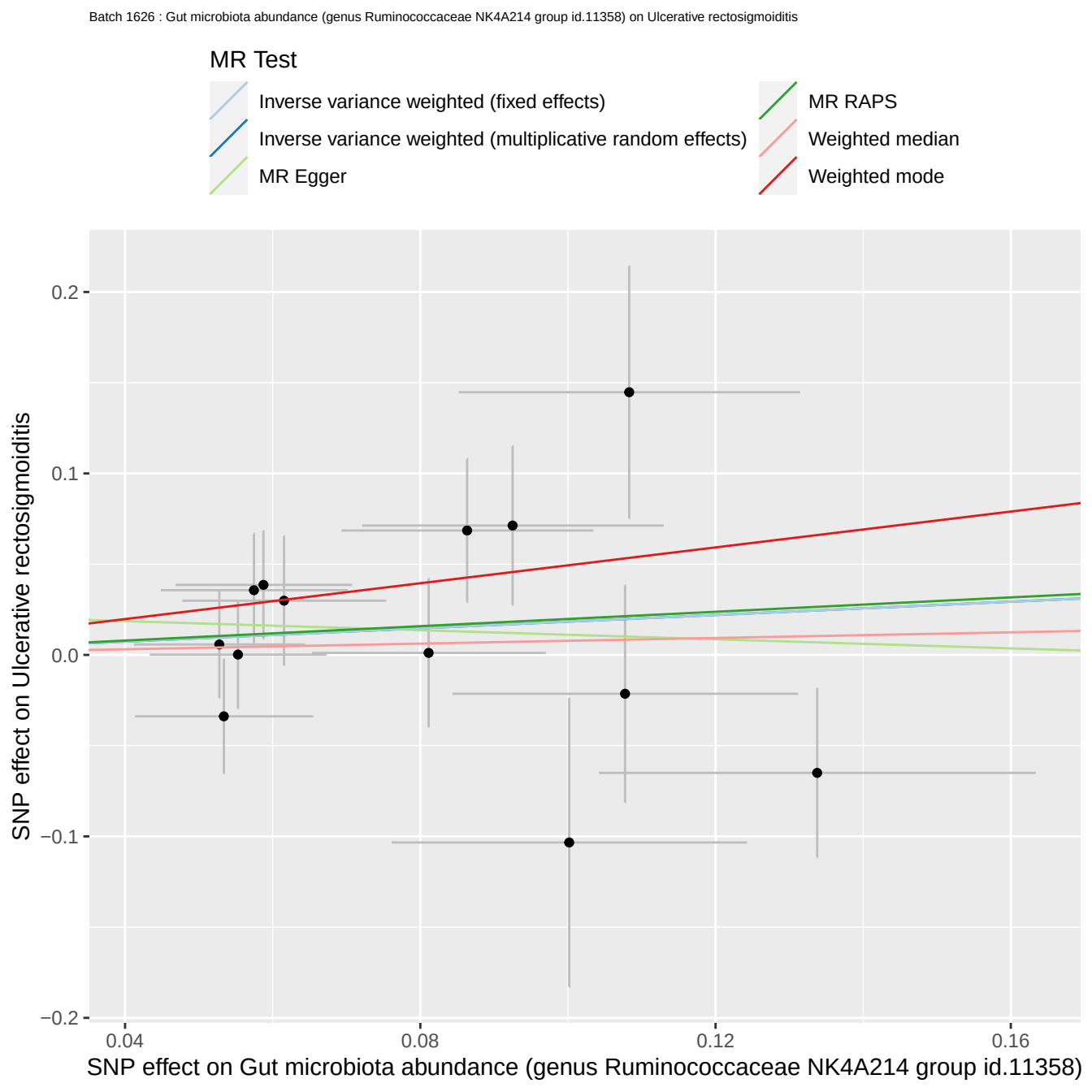

Batch 1621 : Gut microbiota abundance (genus Romboutsia id.11347) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.1
0.2
SNP effect on Gut microbiota abundance (genus Romboutsia id.11347)

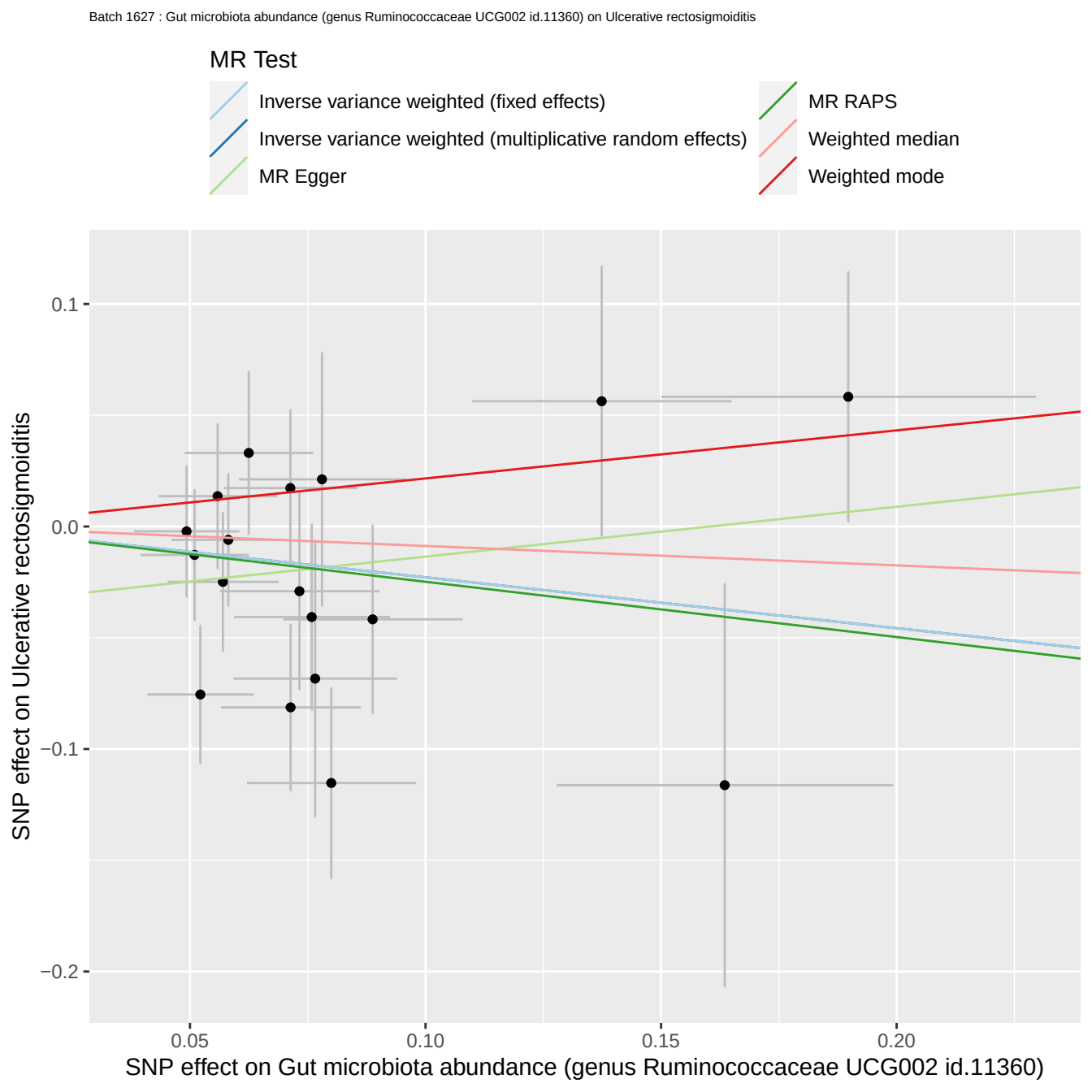

Batch 1622 : Gut microbiota abundance (genus Roseburia id.2012) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Roseburia id.2012)

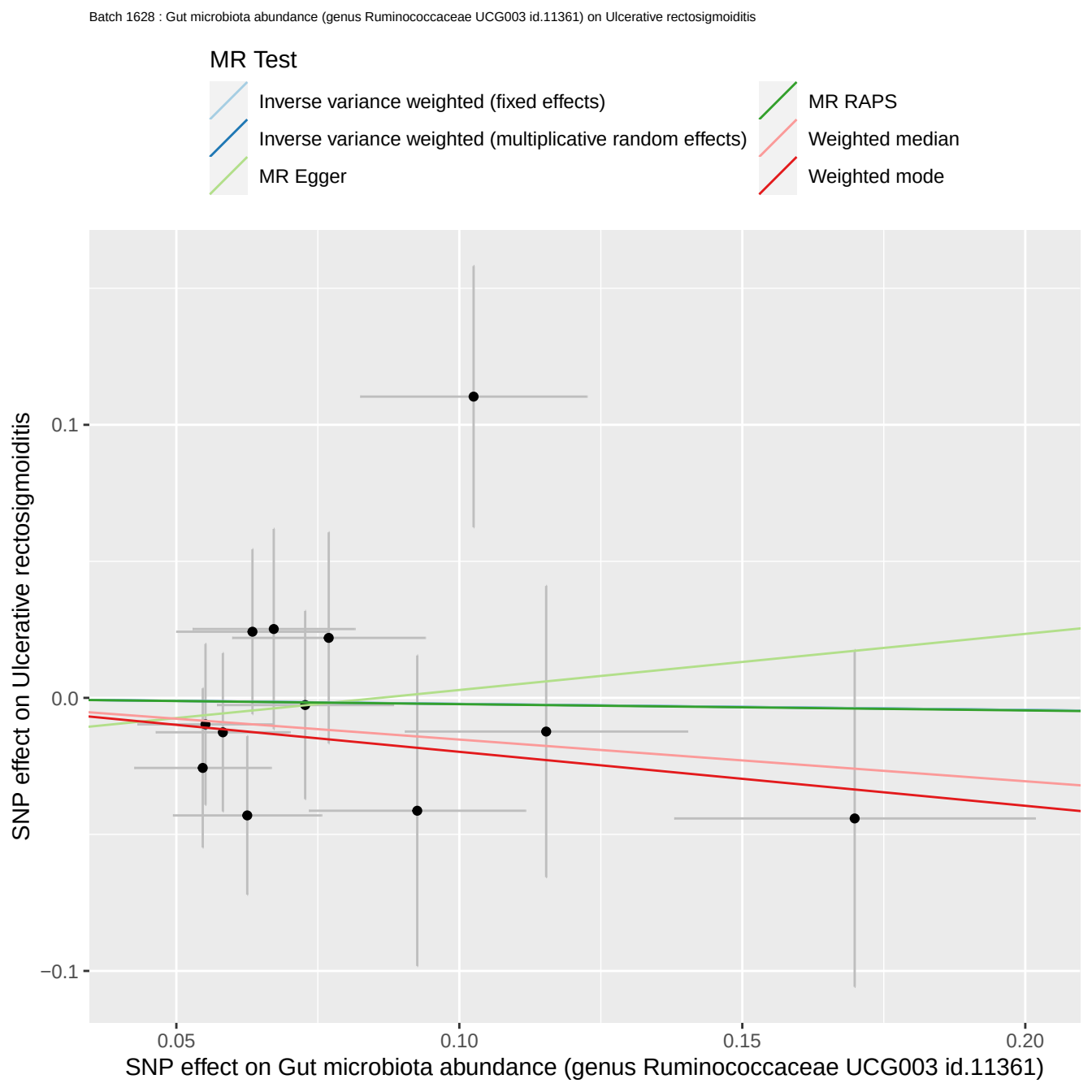

Batch 1623 : Gut microbiota abundance (genus Ruminiclostridium5 id.11355) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminiclostridium5 id.11355)

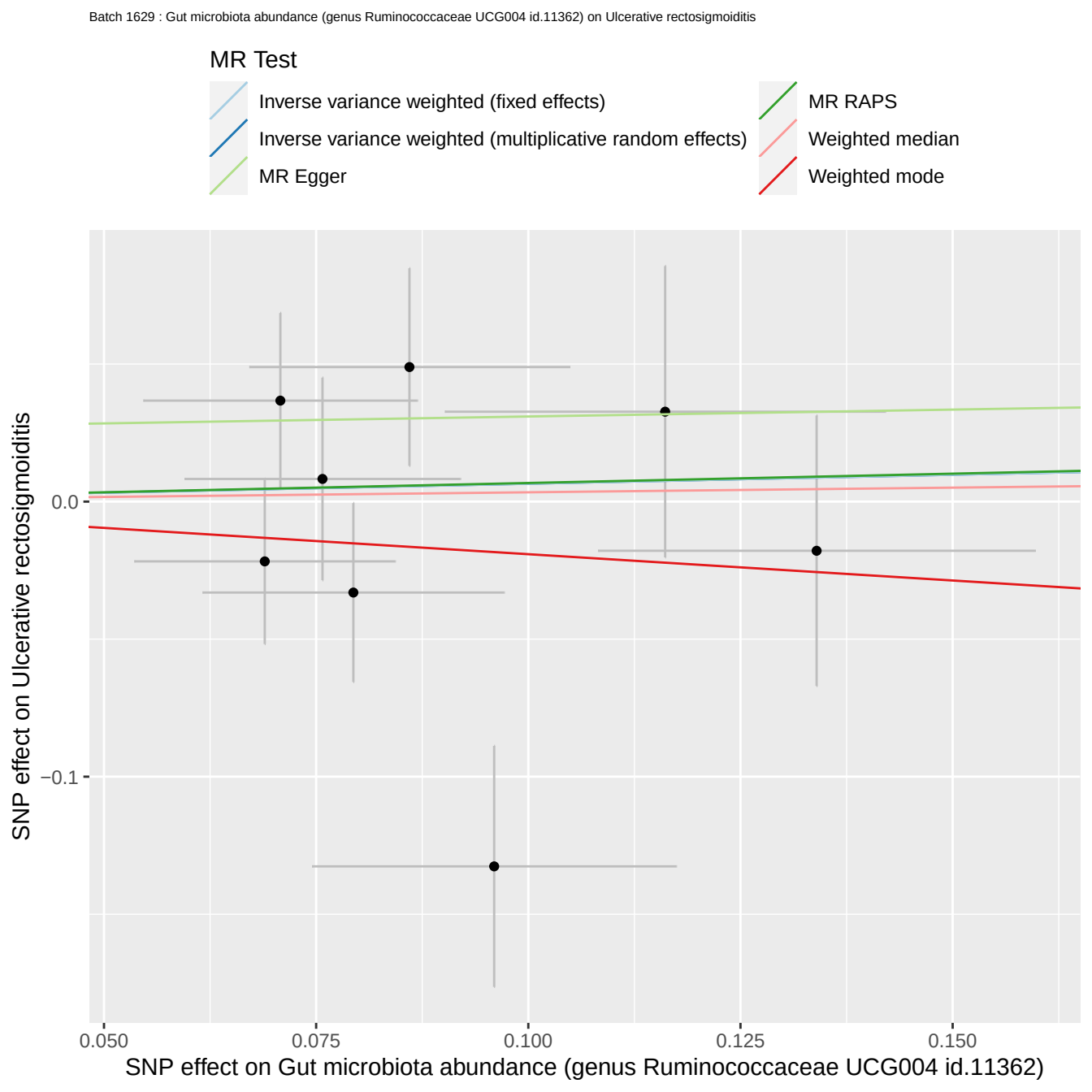

Batch 1624 : Gut microbiota abundance (genus Ruminiclostridium6 id.11356) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Ruminiclostridium6 id.11356)

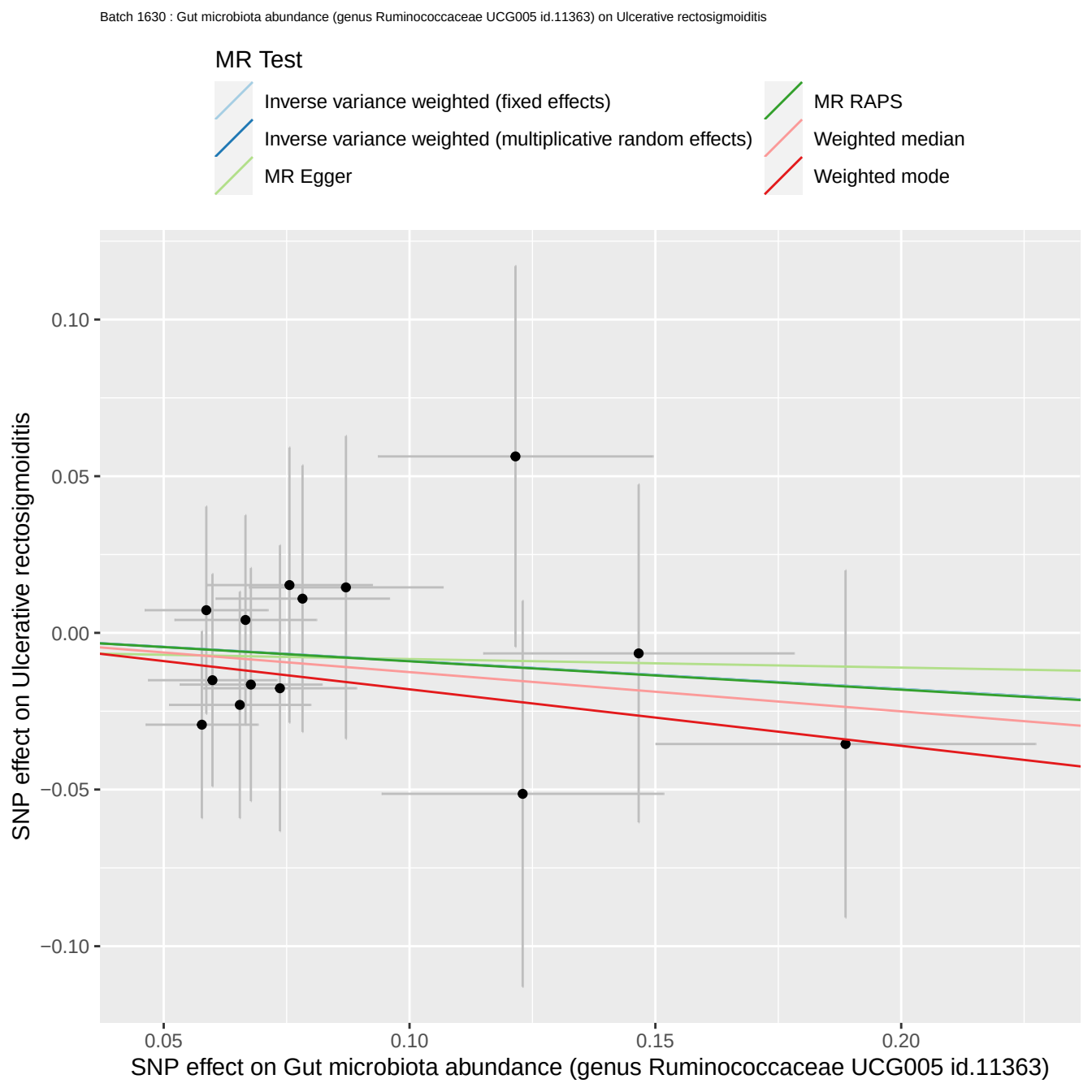

Batch 1625 : Gut microbiota abundance (genus Ruminiclostridium9 id.11357) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.10
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.04
0.06
0.08
0.10
SNP effect on Gut microbiota abundance (genus Ruminiclostridium9 id.11357)

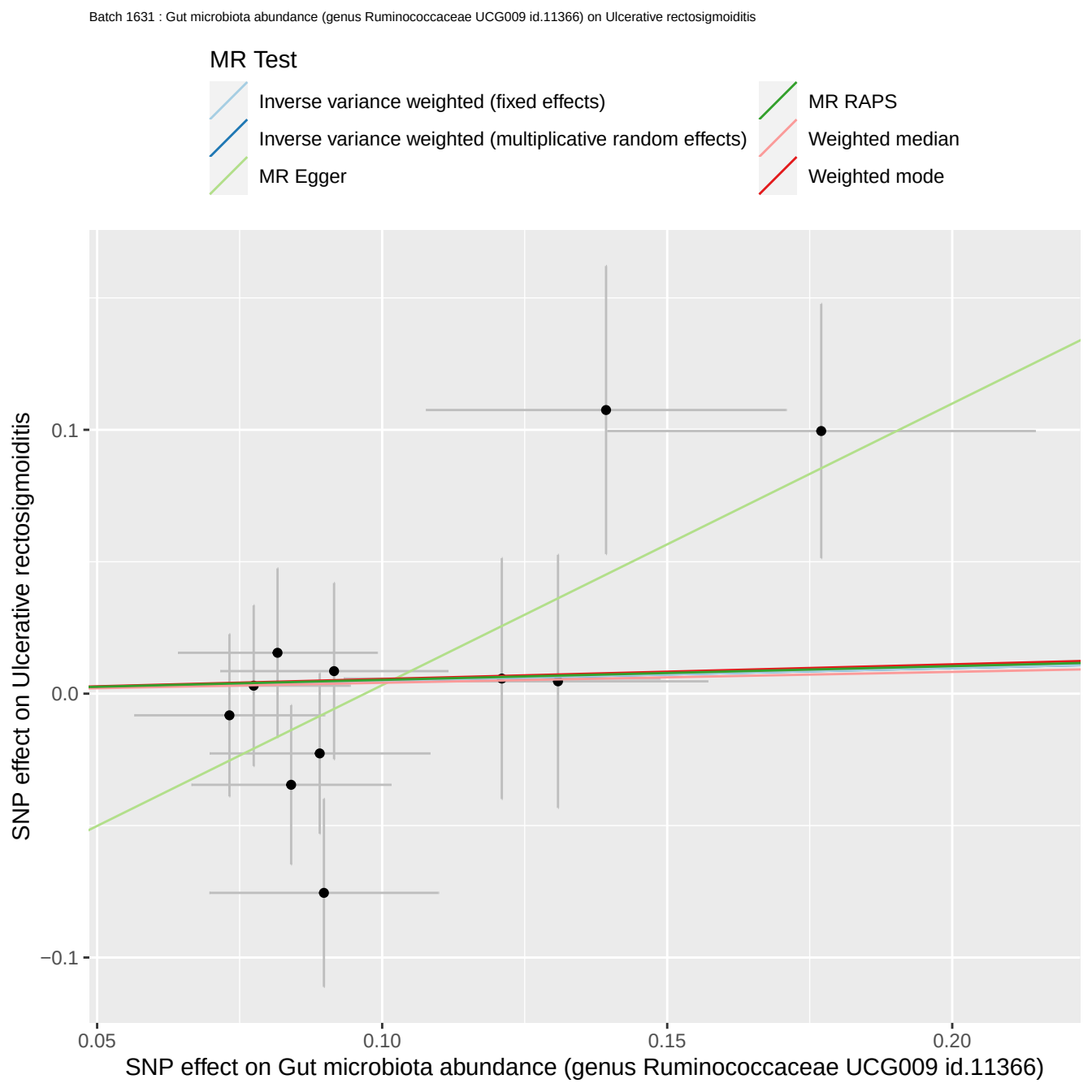

Batch 1626 : Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.2
0.1
0.0
−0.1
−0.2
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Ruminococcaceae NK4A214 group id.11358)


Batch 1627 : Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG002 id.11360)

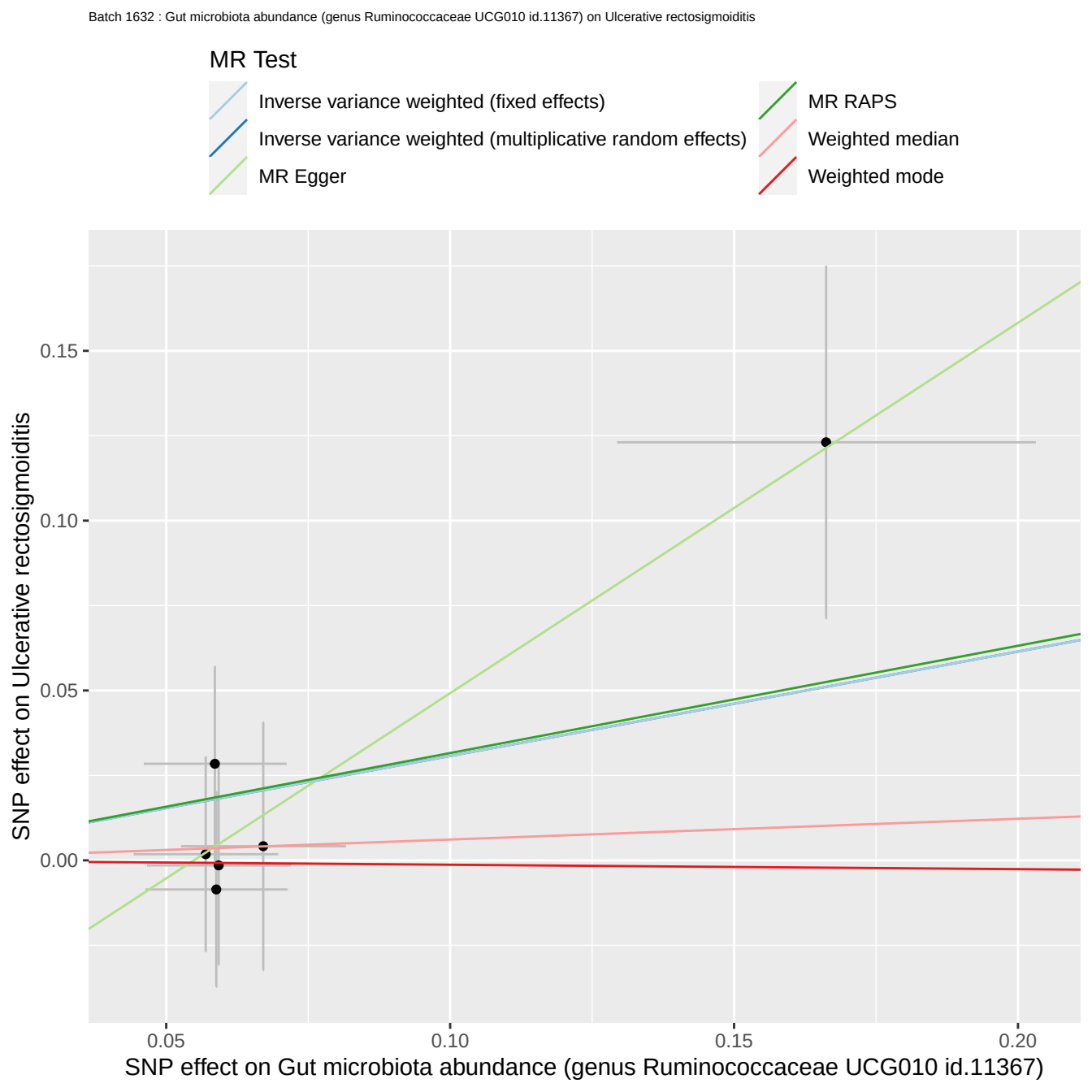

Batch 1628 : Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG003 id.11361)

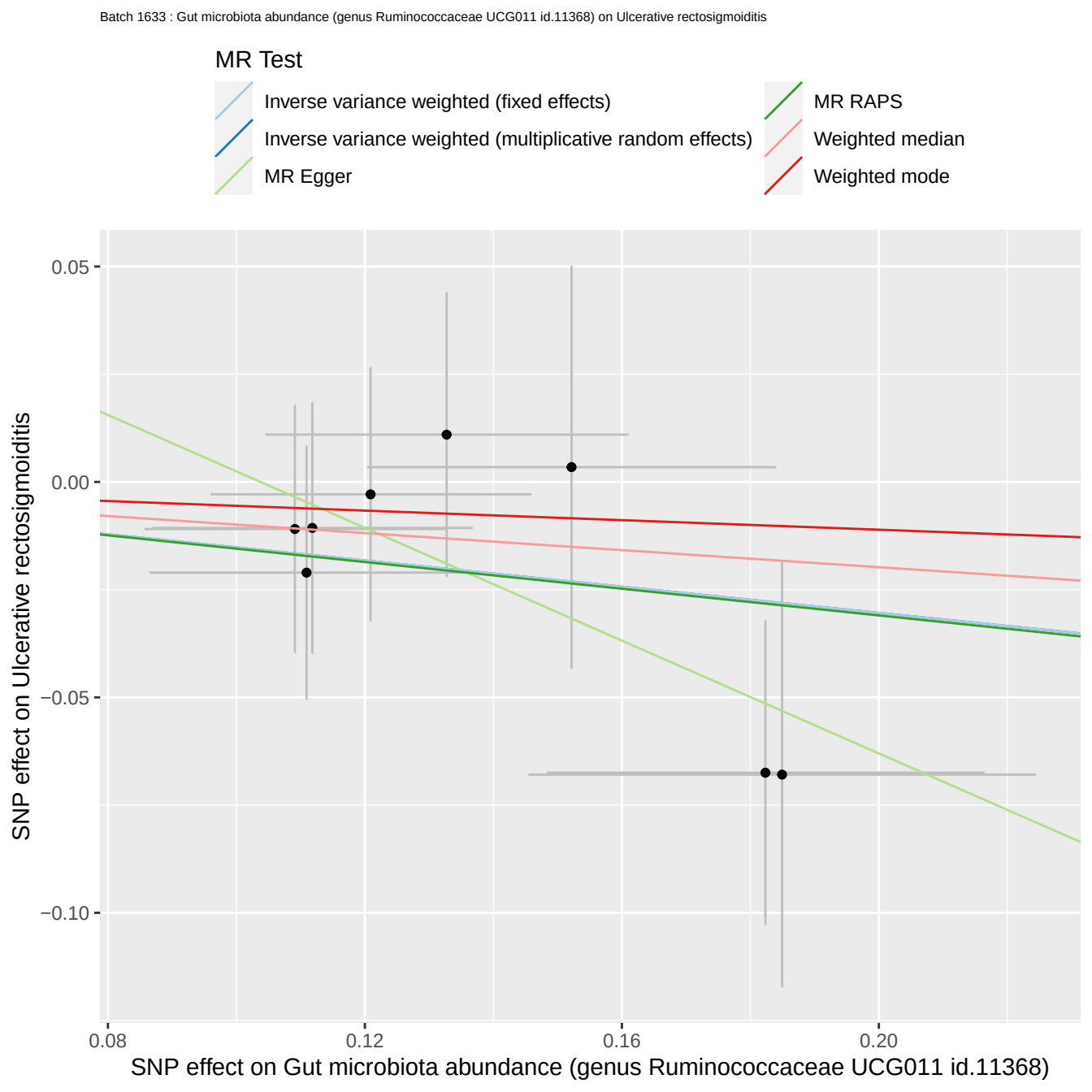

Batch 1629 : Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.0
−0.1
0.050
0.075
0.100
0.125
0.150
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG004 id.11362)


Batch 1630 : Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG005 id.11363)

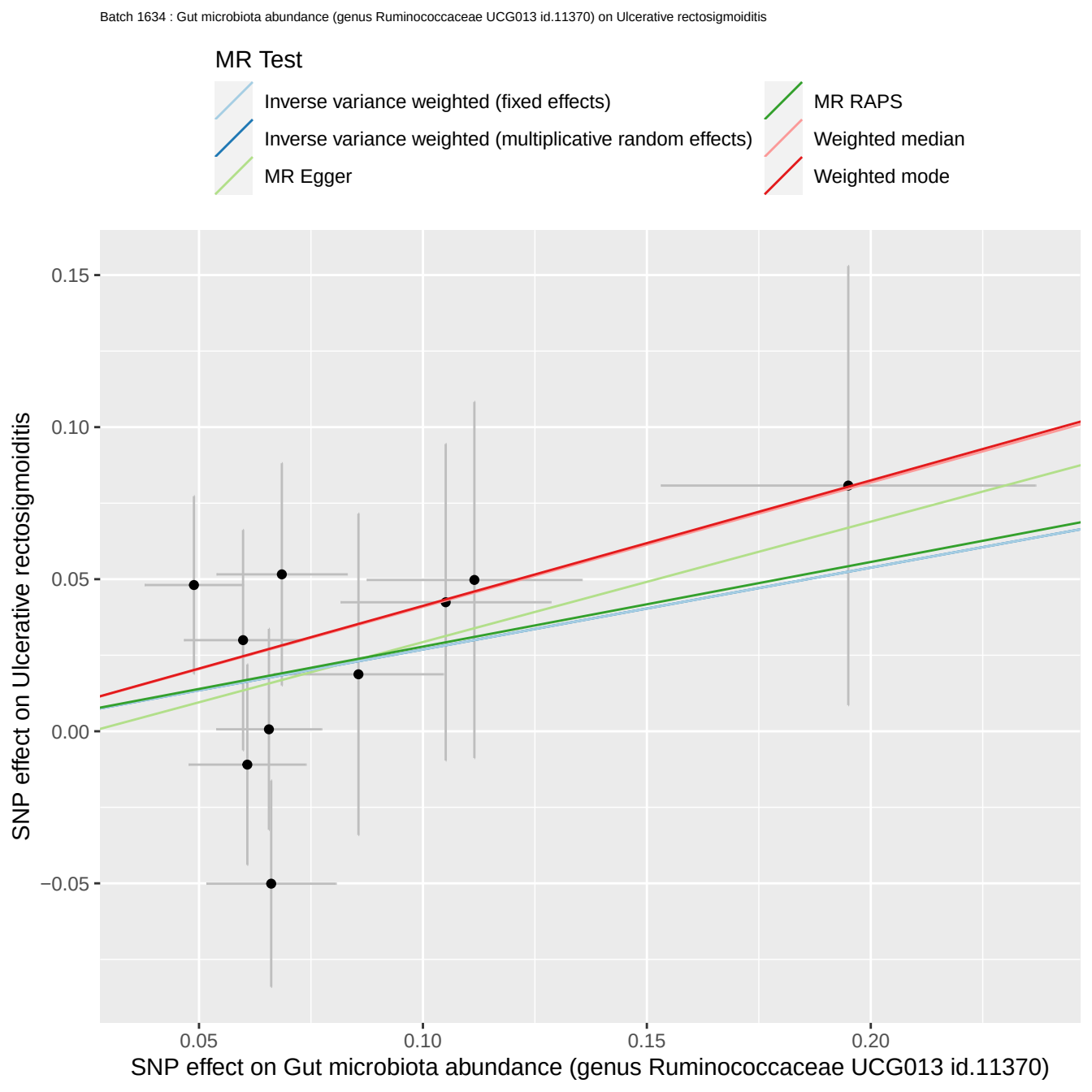

Batch 1631 : Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG009 id.11366)

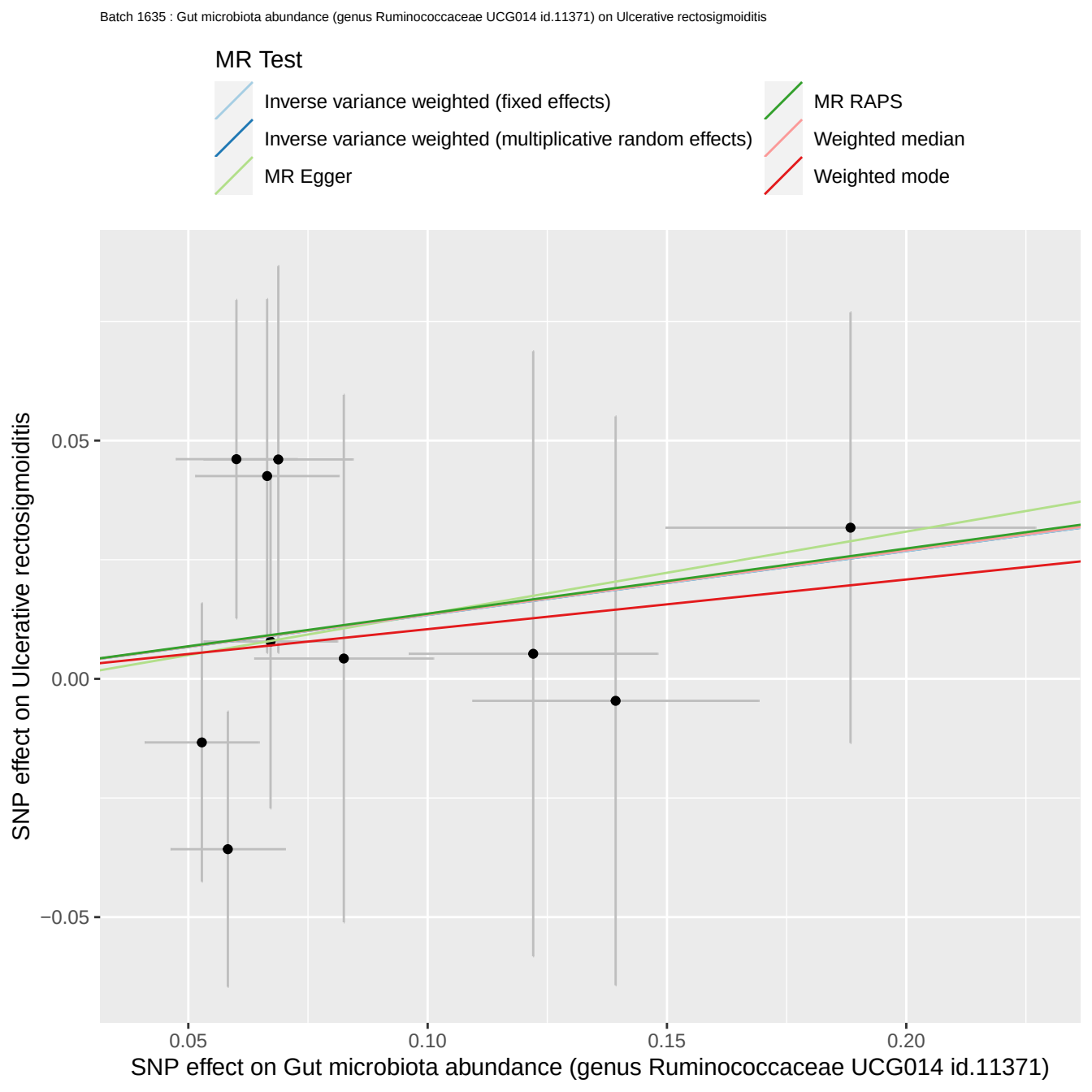
Batch 1632 : Gut microbiota abundance (genus Ruminococcaceae UCG010 id.11367) on Ulcerative rectosigmoiditis

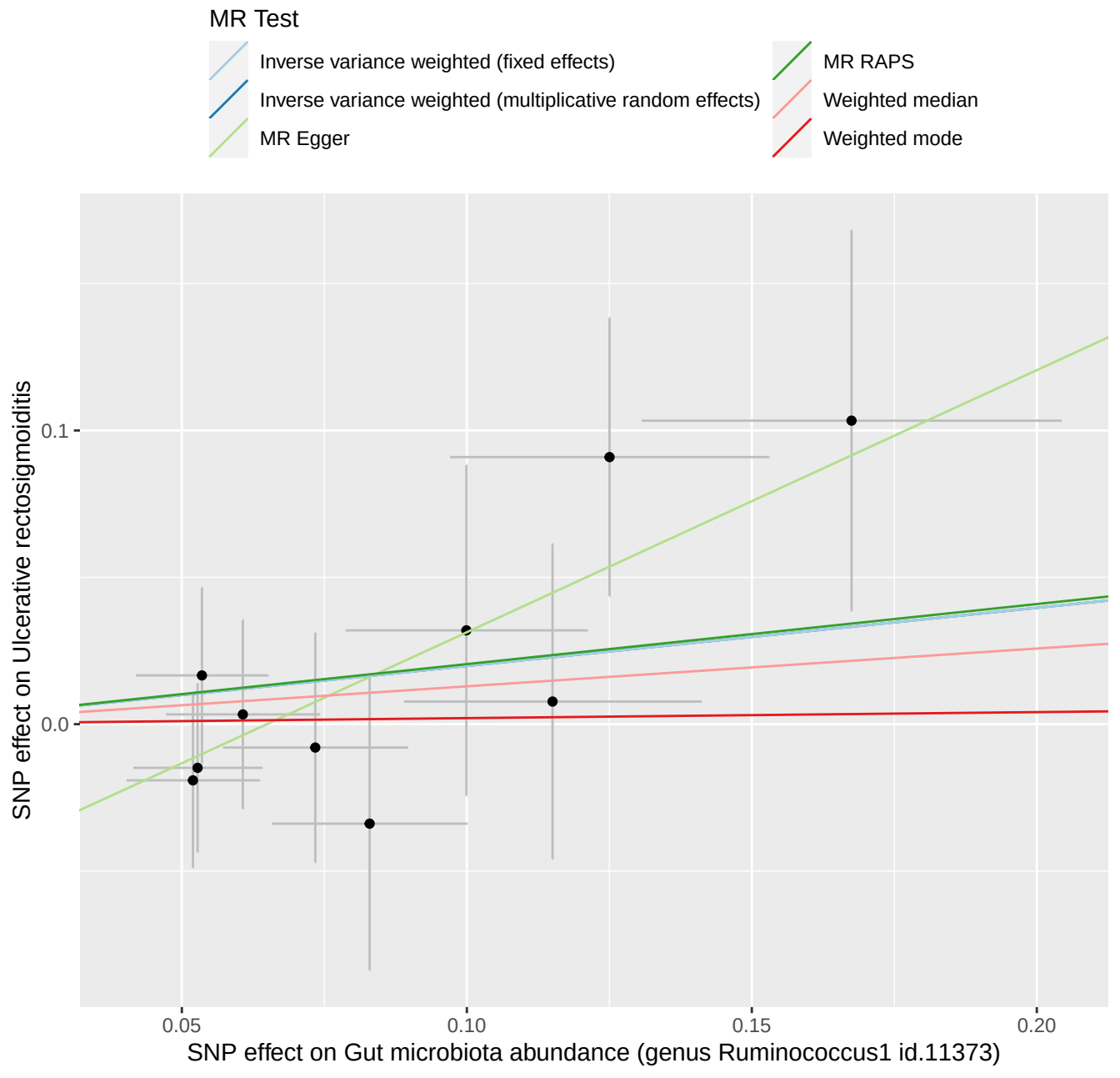


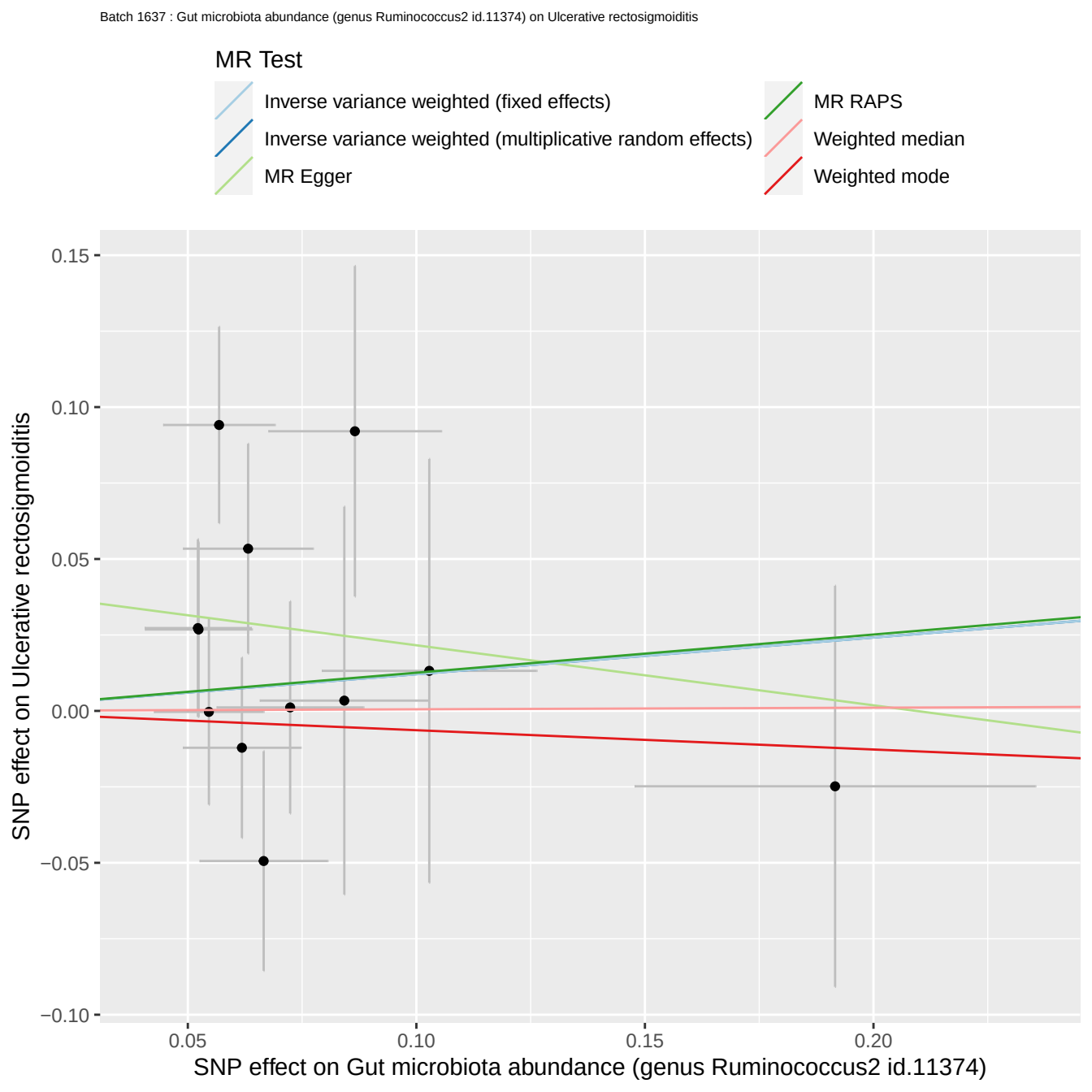

Batch 1633 : Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
−0.10
SNP effect on Ulcerative rectosigmoiditis
0.08
0.12
0.16
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG011 id.11368)

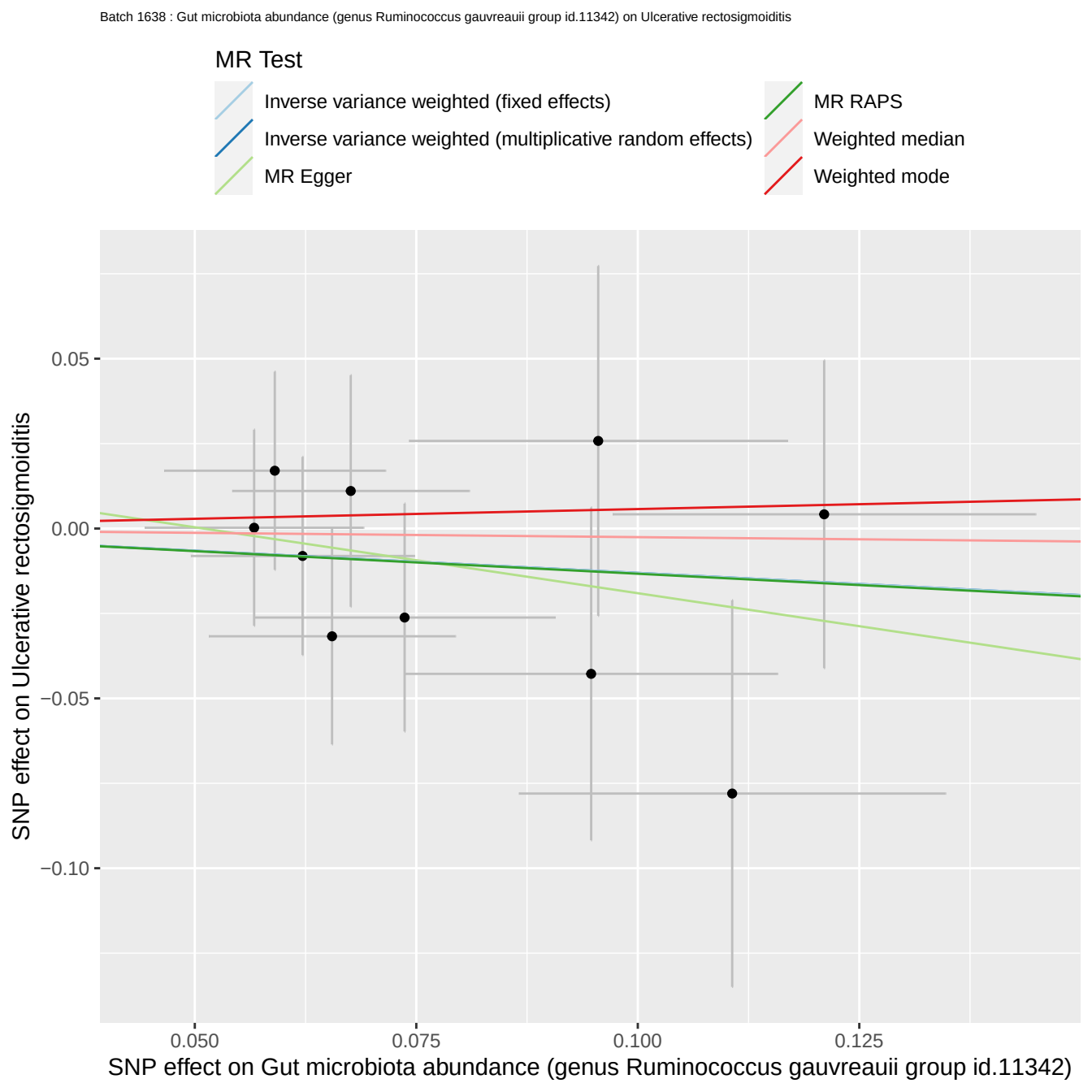
Batch 1634 : Gut microbiota abundance (genus Ruminococcaceae UCG013 id.11370) on Ulcerative rectosigmoiditis

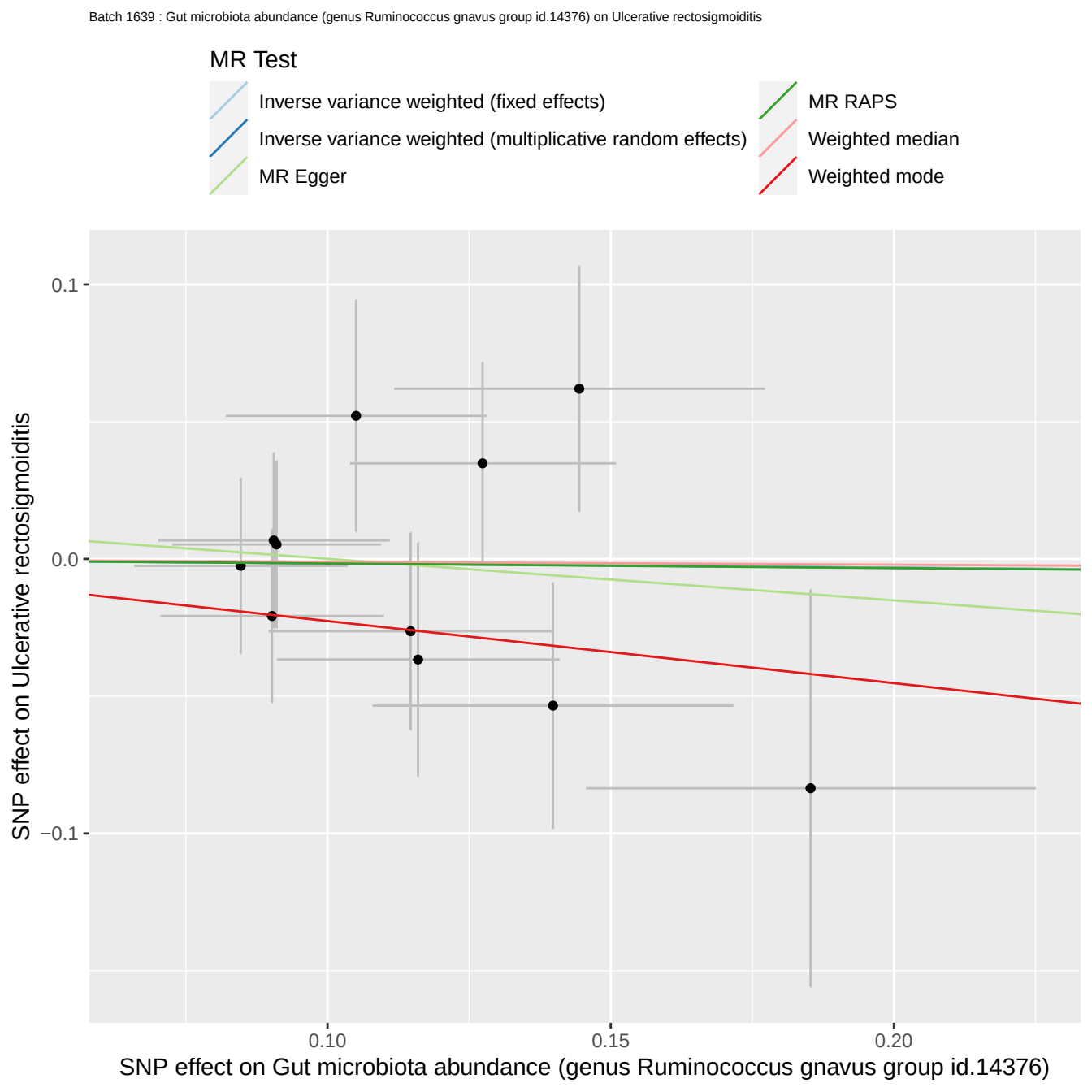



Batch 1635 : Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcaceae UCG014 id.11371)

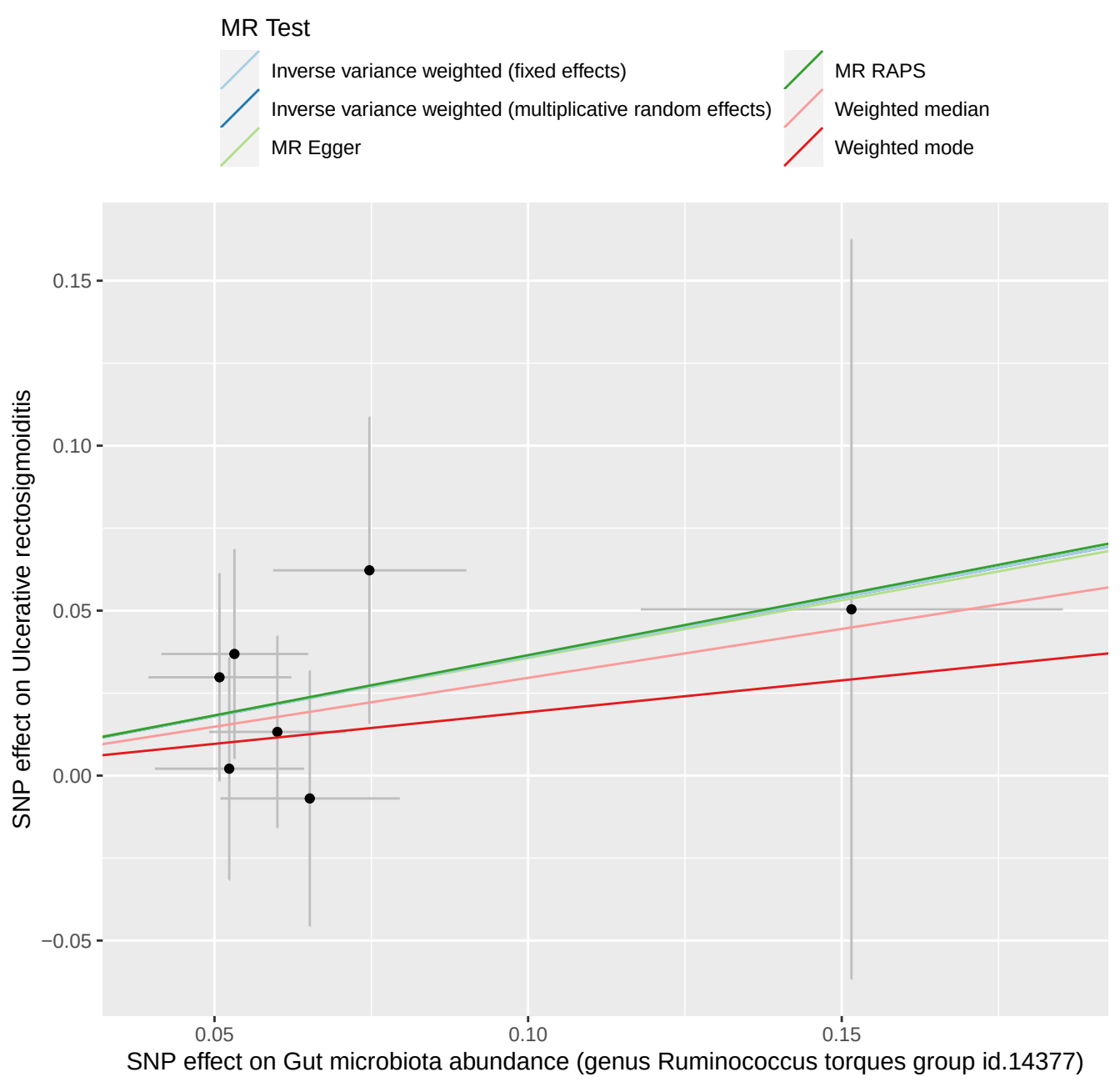

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus1 id.11373)

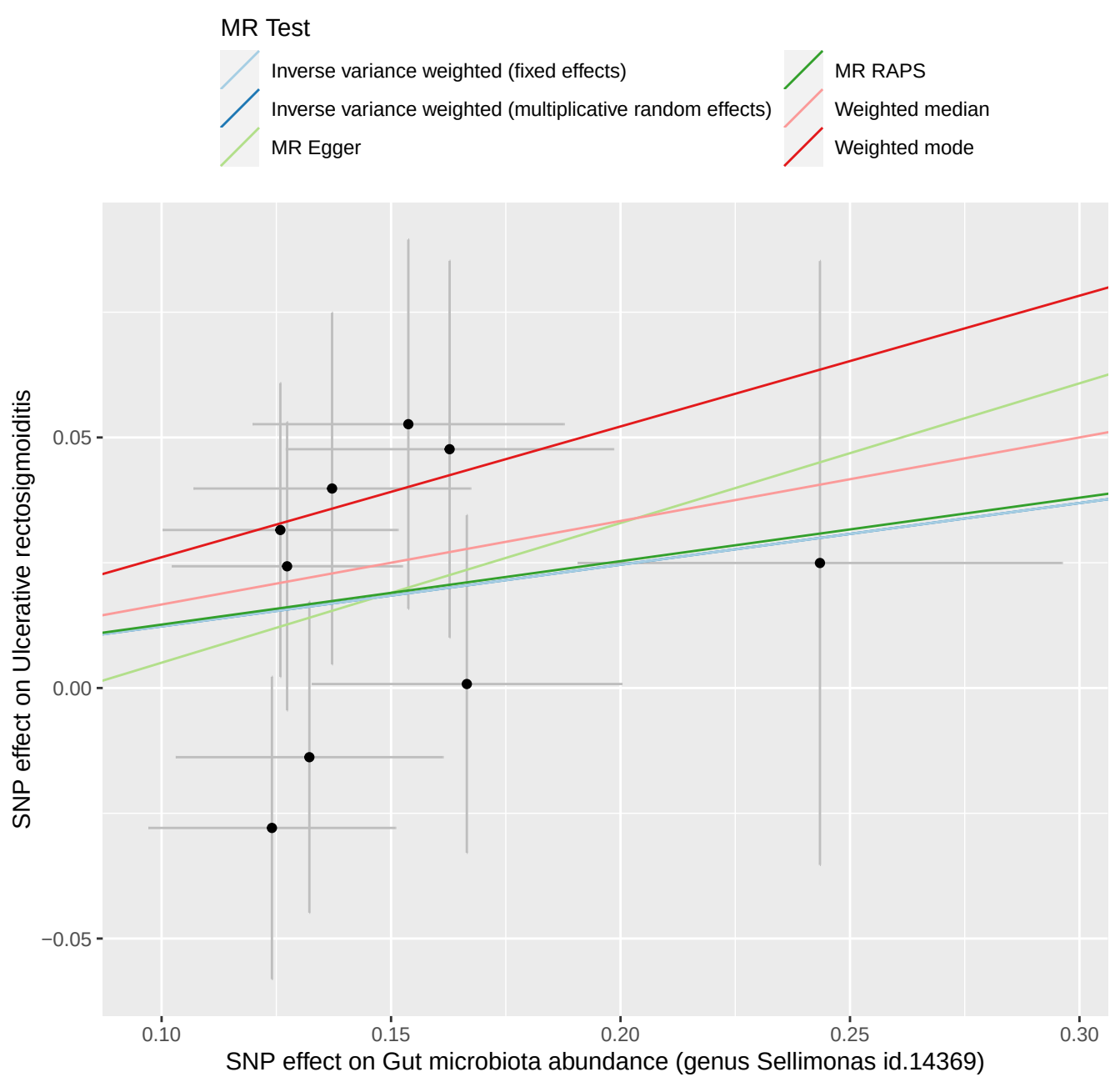

Batch 1637 : Gut microbiota abundance (genus Ruminococcus2 id.11374) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.15
0.10
0.05
0.00
−0.05
−0.10
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus2 id.11374)


Batch 1638 : Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.050
0.075
0.100
0.125
SNP effect on Gut microbiota abundance (genus Ruminococcus gauvreauii group id.11342)

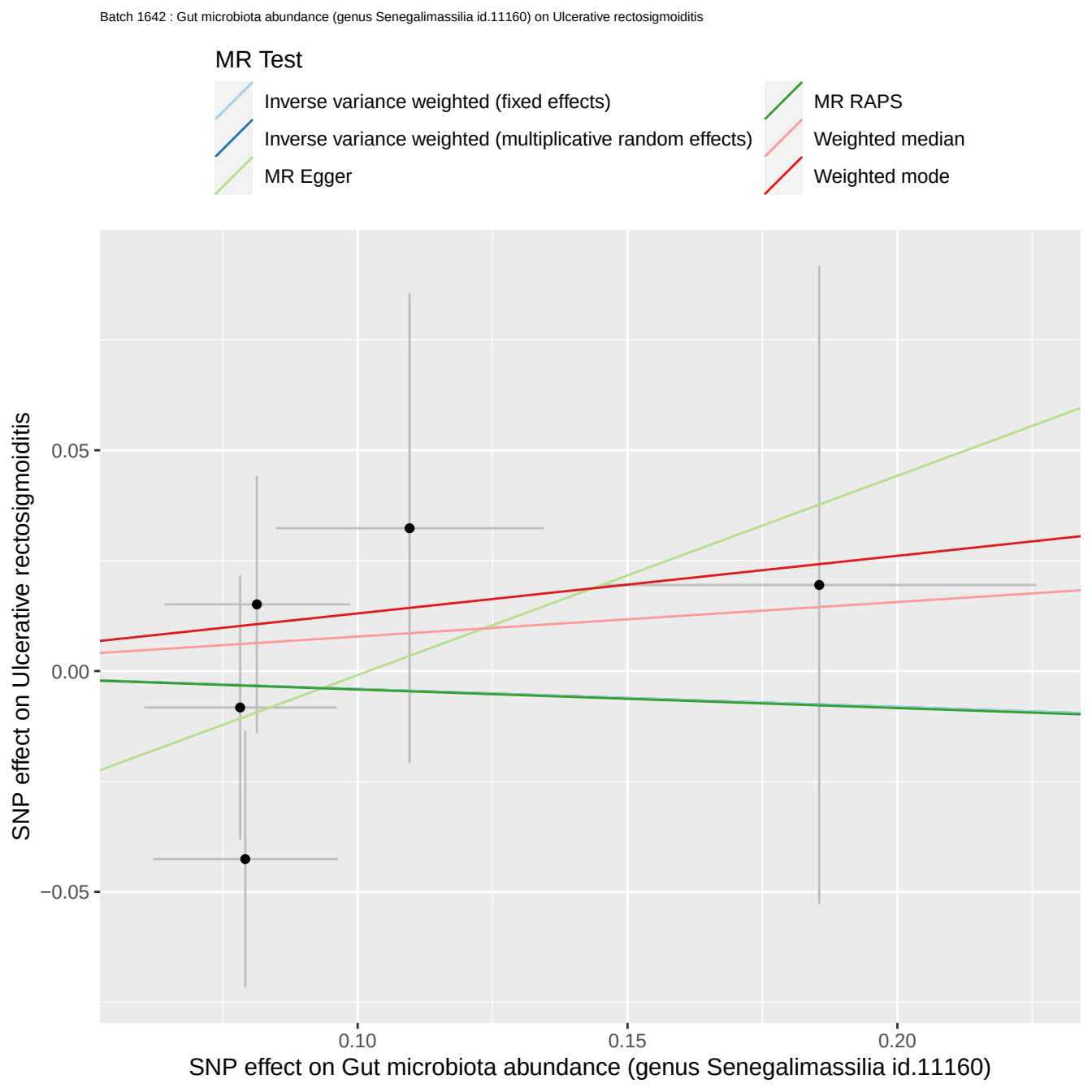

Batch 1639 : Gut microbiota abundance (genus Ruminococcus gnavus group id.14376) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Ruminococcus gnavus group id.14376)

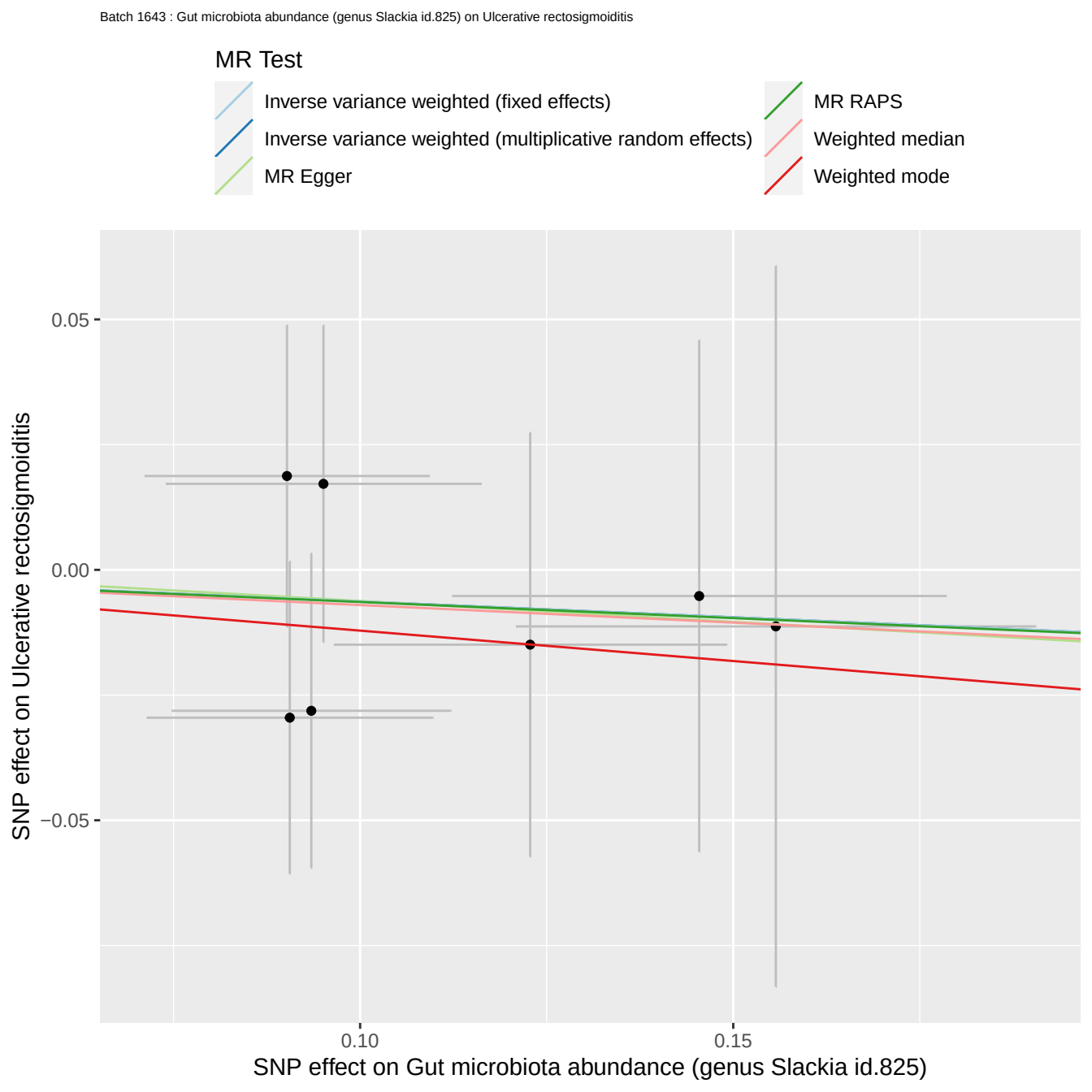
Batch 1640 : Gut microbiota abundance (genus Ruminococcus torques group id.14377) on Ulcerative rectosigmoiditis

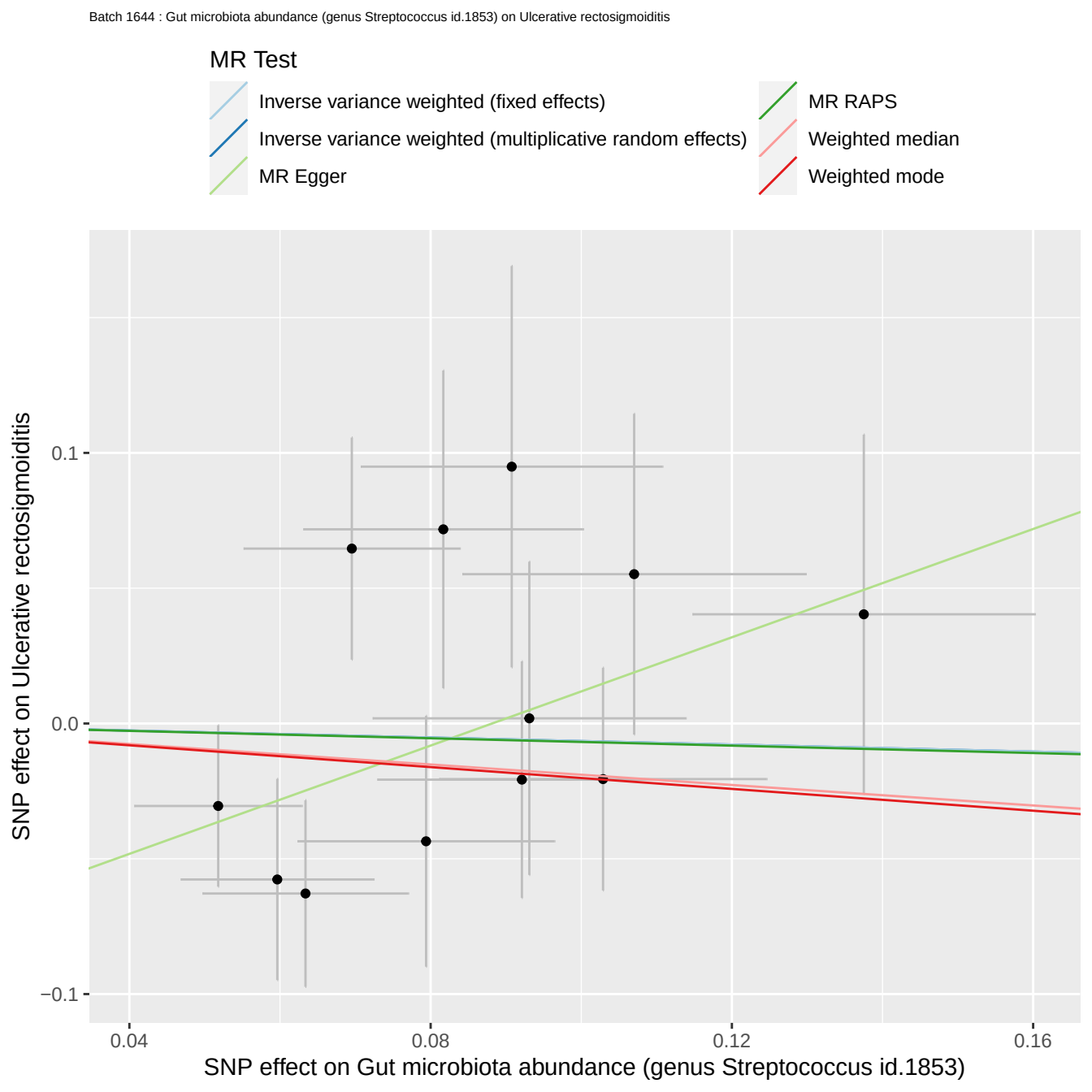


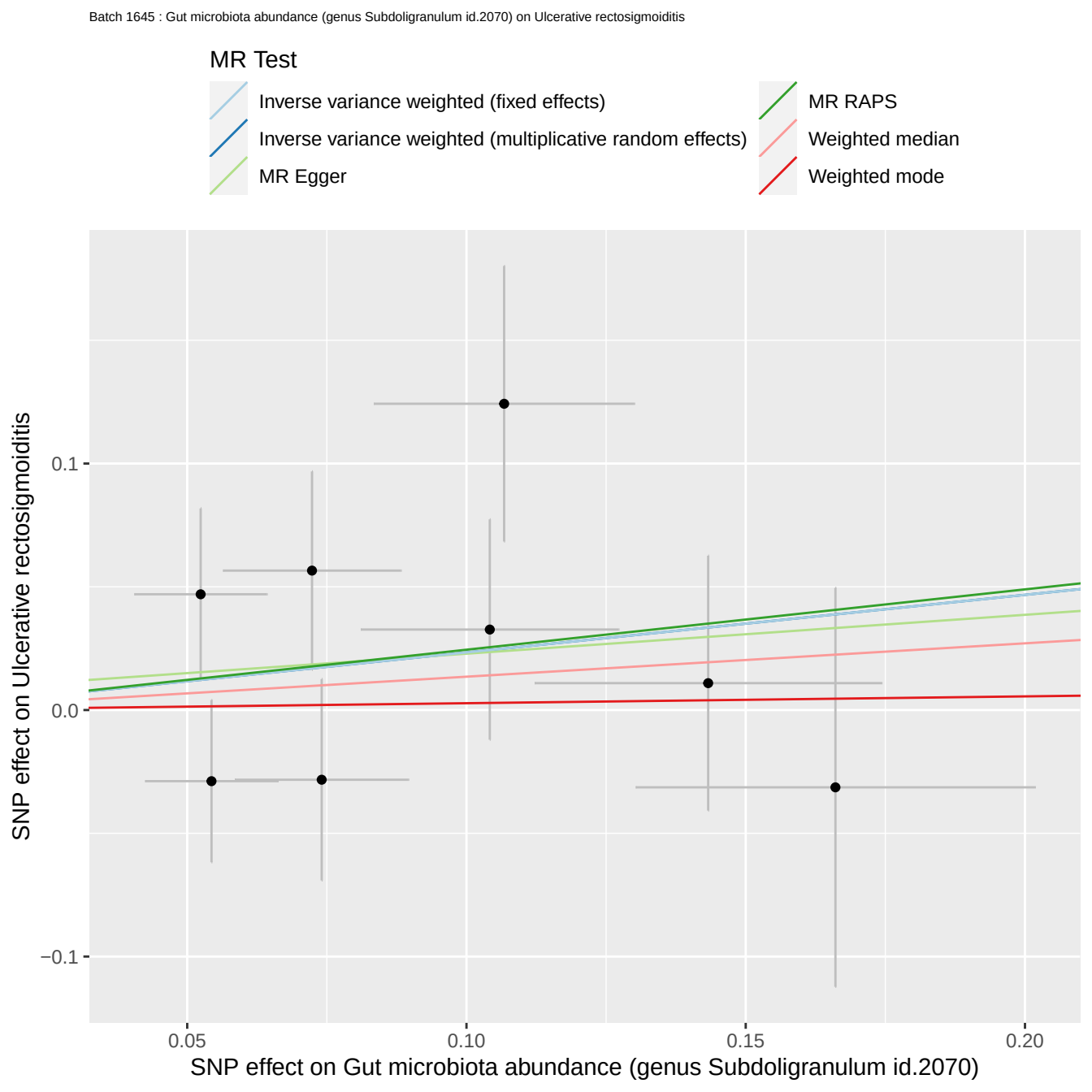

MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
0.10
0.15
0.20
0.25
0.30
SNP effect on Gut microbiota abundance (genus Sellimonas id.14369)

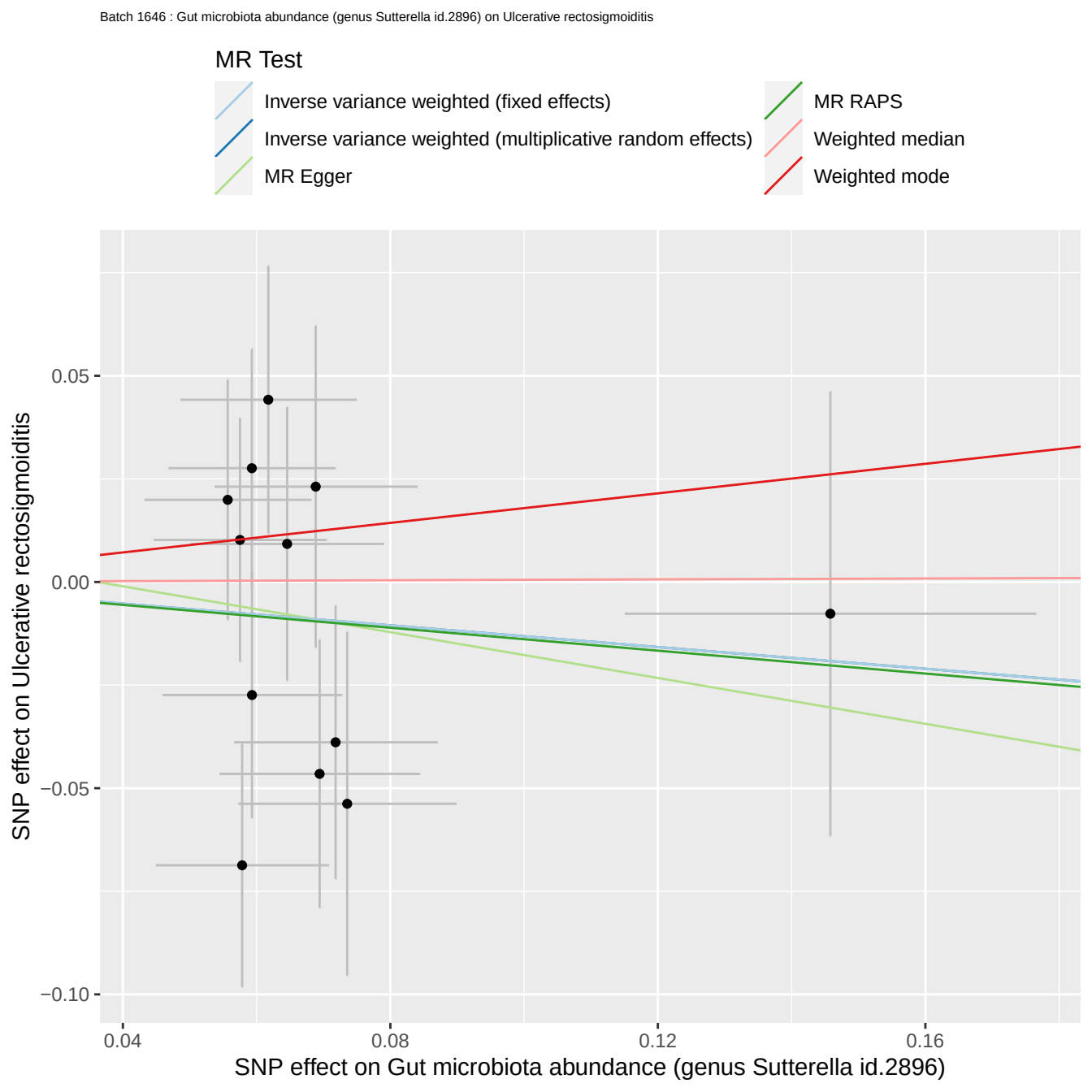
Batch 1642 : Gut microbiota abundance (genus Senegalimassilia id.11160) on Ulcerative rectosigmoiditis



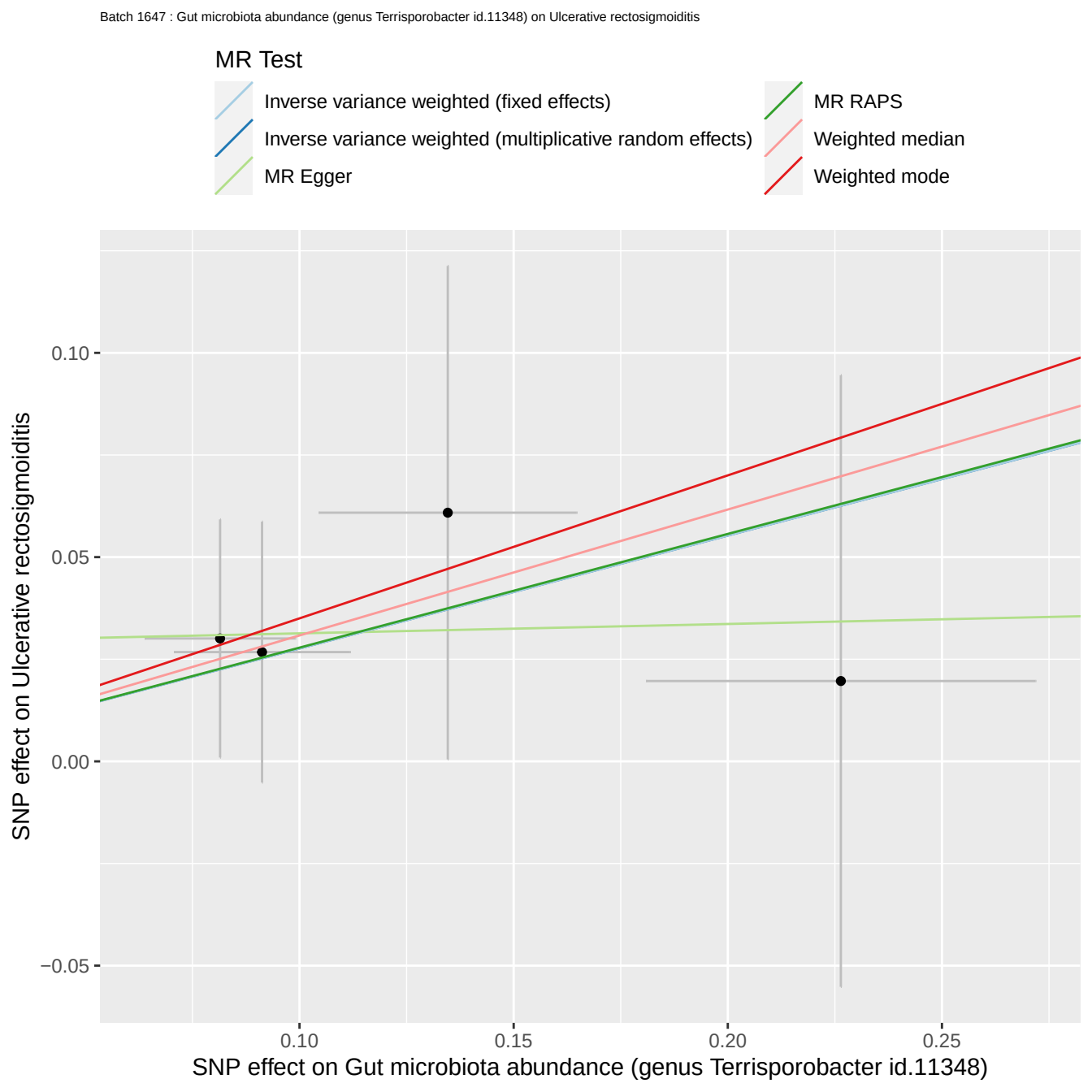

Batch 1643 : Gut microbiota abundance (genus Slackia id.825) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.05
0.00
−0.05
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
SNP effect on Gut microbiota abundance (genus Slackia id.825)

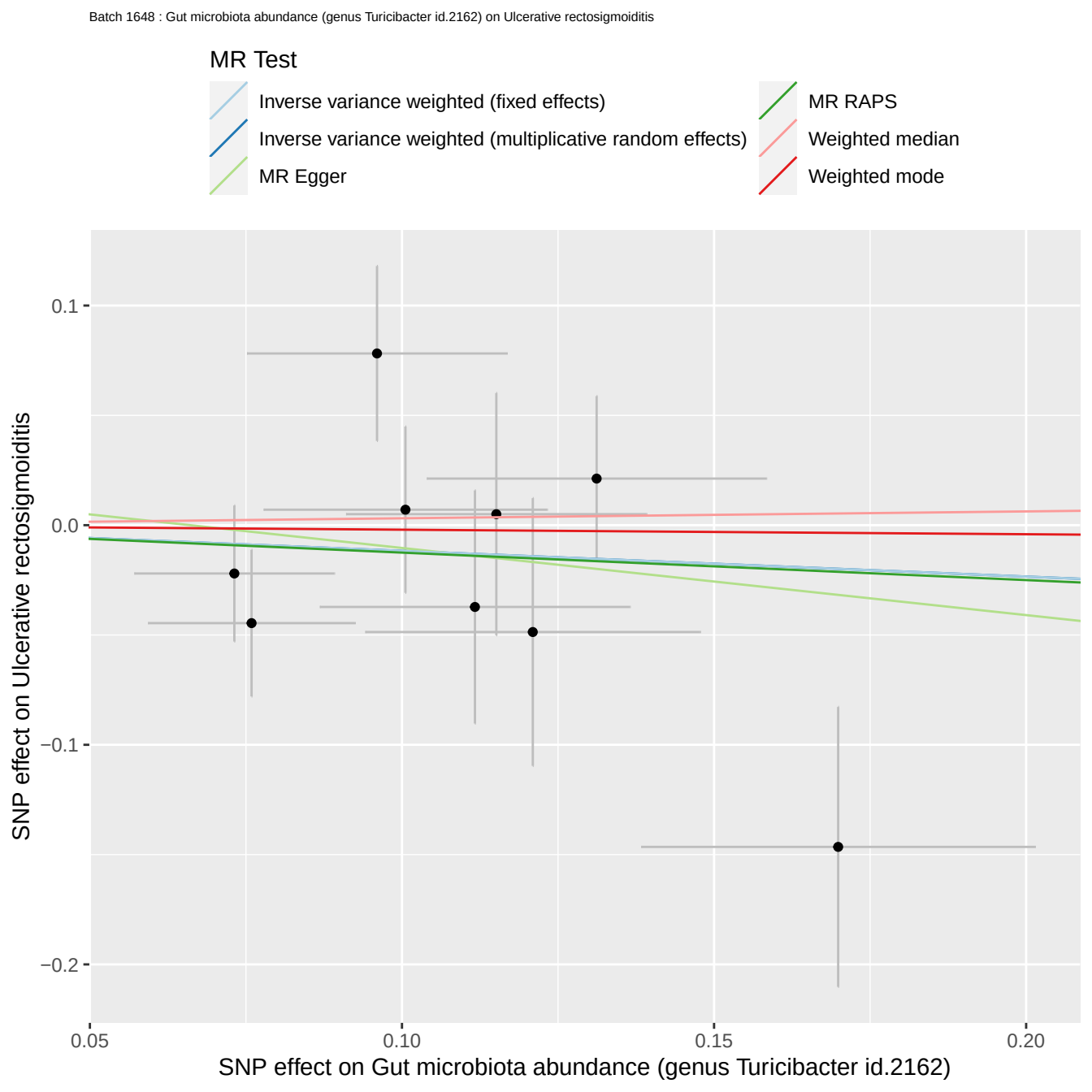

Batch 1644 : Gut microbiota abundance (genus Streptococcus id.1853) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Streptococcus id.1853)

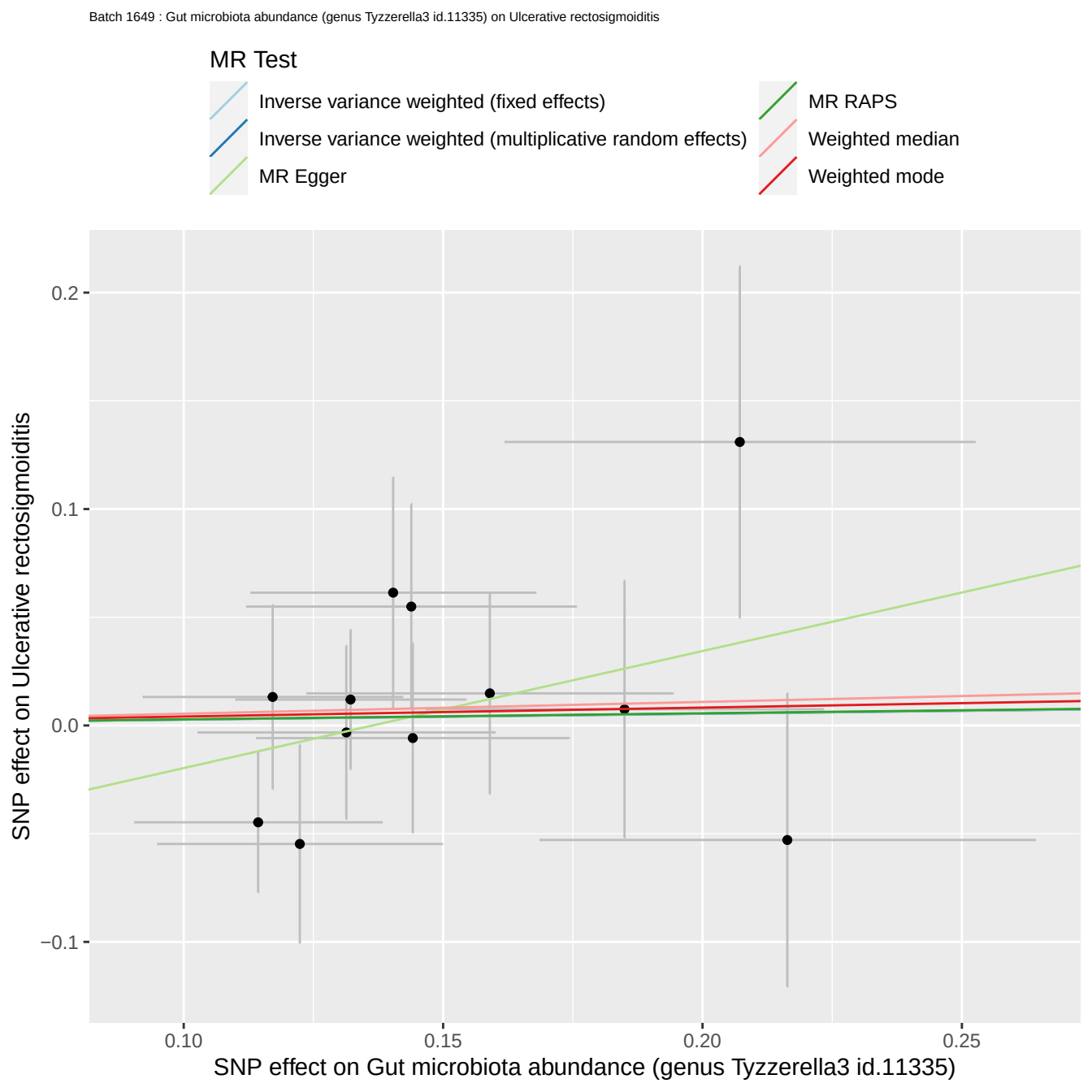

Batch 1645 : Gut microbiota abundance (genus Subdoligranulum id.2070) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Subdoligranulum id.2070)

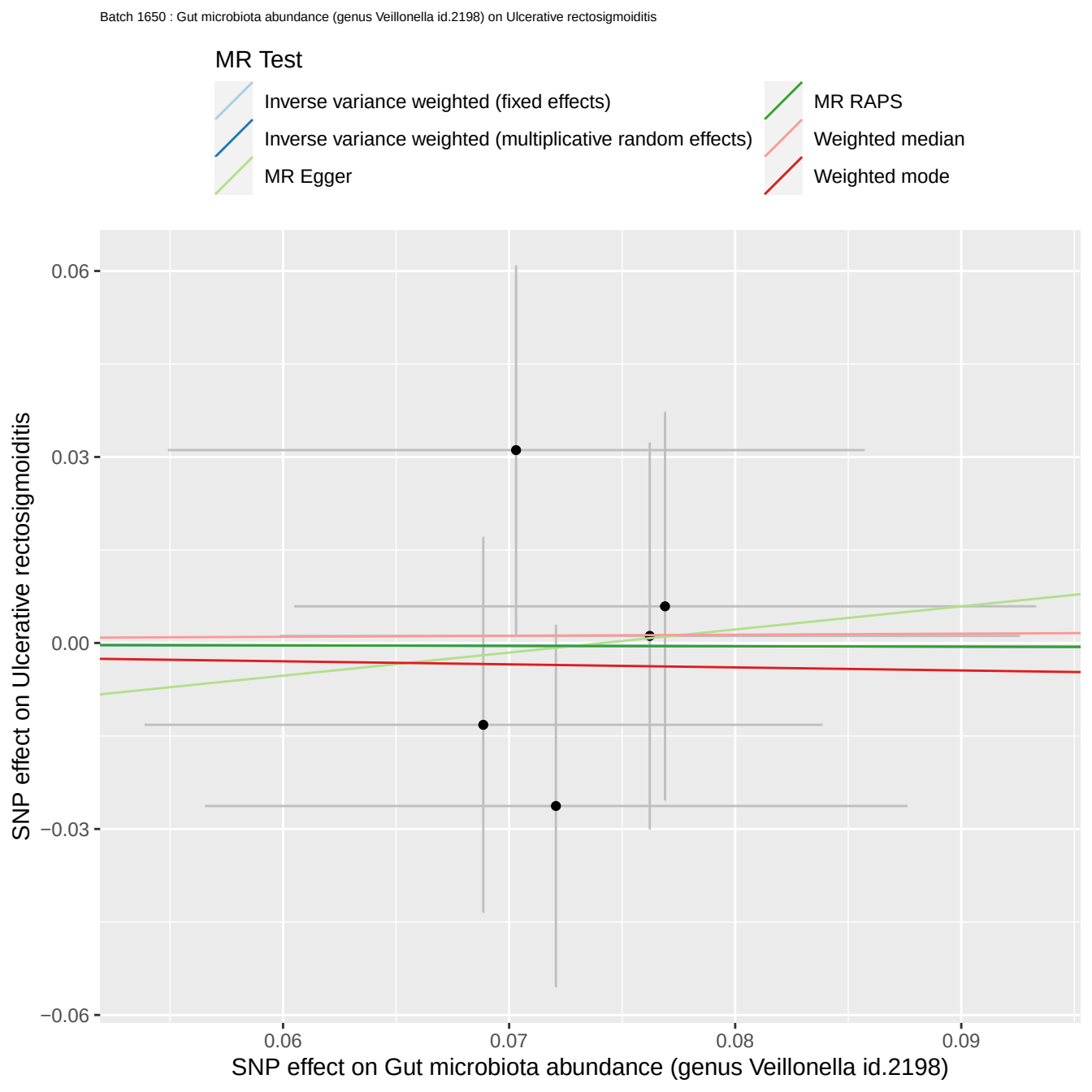

Batch 1646 : Gut microbiota abundance (genus Sutterella id.2896) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.05
0.00
−0.05
−0.10
0.04
0.08
0.12
0.16
SNP effect on Gut microbiota abundance (genus Sutterella id.2896)

Batch 1647 : Gut microbiota abundance (genus Terrisporobacter id.11348) on Ulcerative rectosigmoiditis




Batch 1648 : Gut microbiota abundance (genus Turicibacter id.2162) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.1
0.0
−0.1
−0.2
0.05
0.10
0.15
0.20
SNP effect on Gut microbiota abundance (genus Turicibacter id.2162)


Batch 1649 : Gut microbiota abundance (genus Tyzzerella3 id.11335) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
0.2
0.1
0.0
−0.1
SNP effect on Ulcerative rectosigmoiditis
0.10
0.15
0.20
0.25
SNP effect on Gut microbiota abundance (genus Tyzzerella3 id.11335)


Batch 1650 : Gut microbiota abundance (genus Veillonella id.2198) on Ulcerative rectosigmoiditis
MR Test
Inverse variance weighted (fixed effects)
Inverse variance weighted (multiplicative random effects)
MR Egger
MR RAPS
Weighted median
Weighted mode
SNP effect on Ulcerative rectosigmoiditis
0.06
0.03
0.00
−0.03
−0.06
0.06
0.07
0.08
0.09
SNP effect on Gut microbiota abundance (genus Veillonella id.2198)