

Figure S1. The scatter plot of family Rikenellaceae on bladder cancer

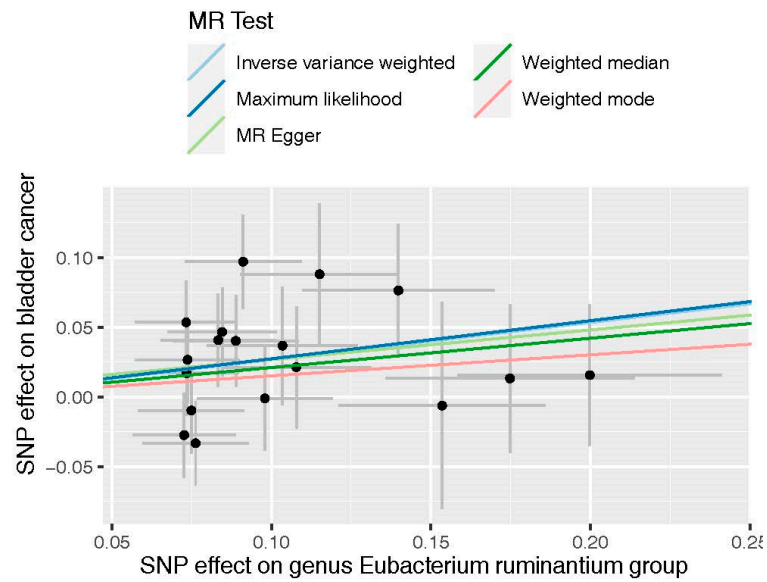


Figure S2. The scatter plot of genus Eubacterium ruminantium group on bladder cancer

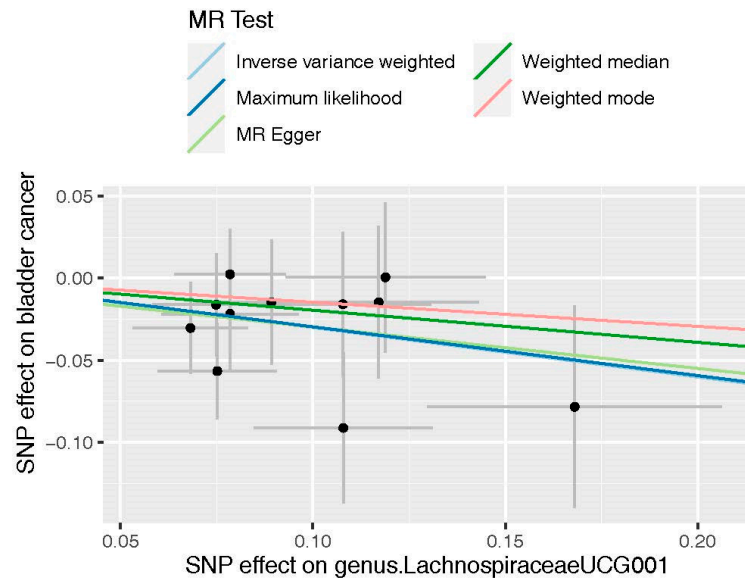


Figure S3. The scatter plot of genus Lachnospiraceae UCG001 on bladder cancer

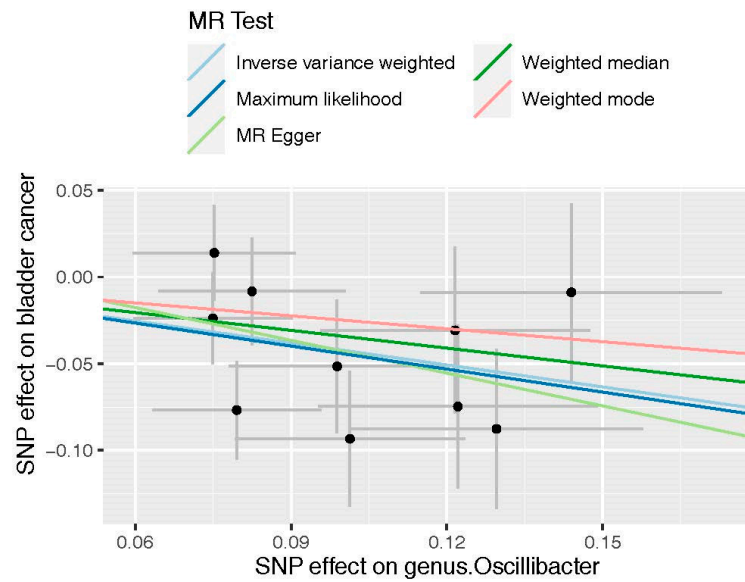


Figure S4. The scatter plot of genus Oscillibacte on bladder cancer

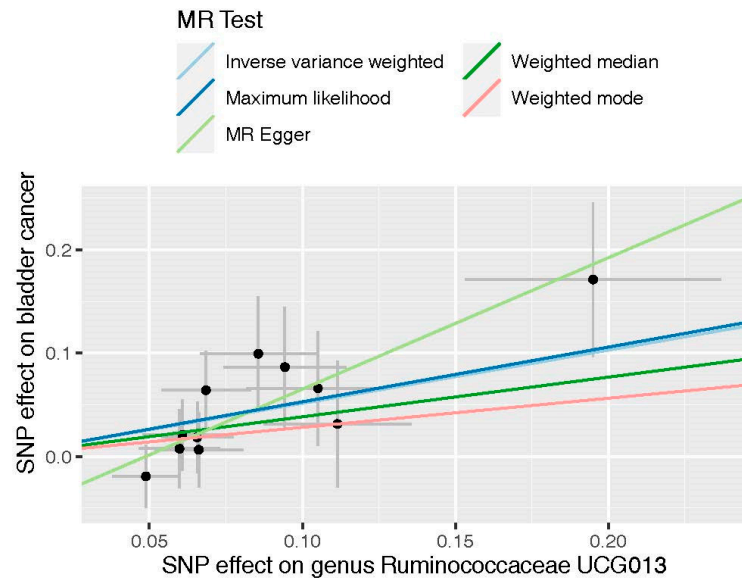


Figure S5. The scatter plot of genus Ruminococcaceae UCG013 on bladder cancer

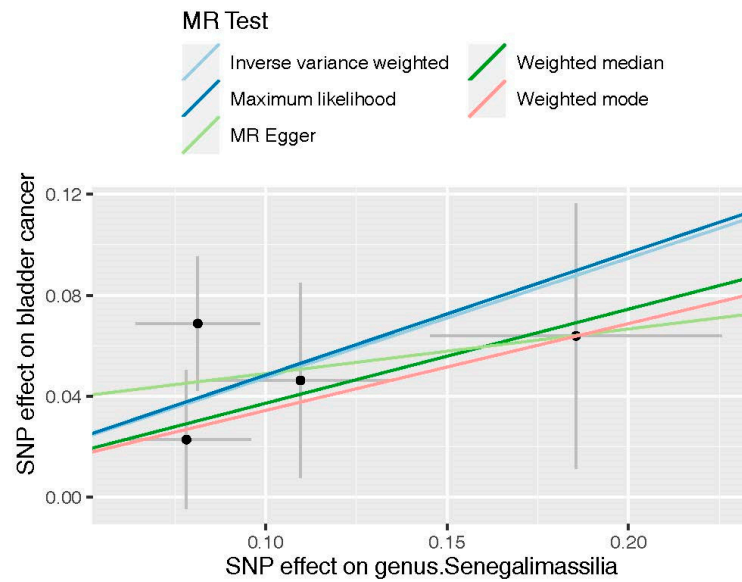


Figure S6. The scatter plot of genus Senegalimassilia on bladder cancer

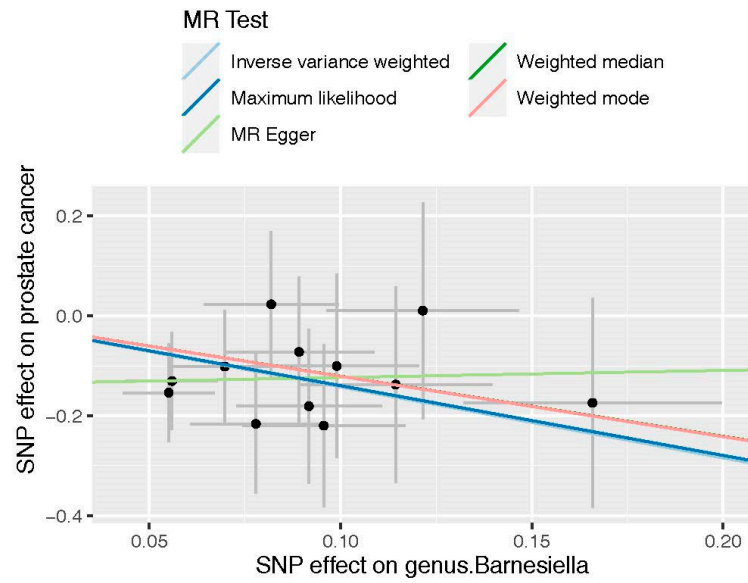


Figure S7. The scatter plot of genus Barnesiella on prostate cancer

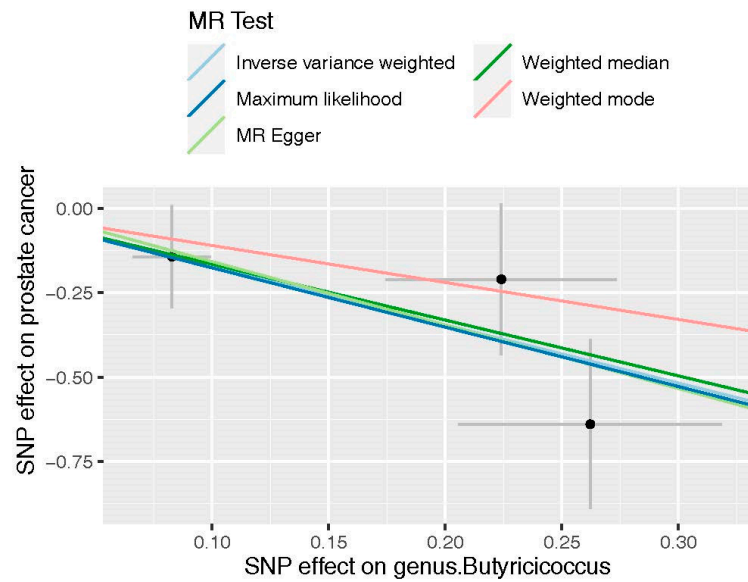


Figure S8. The scatter plot of genus Butyricoccus on prostate cancer

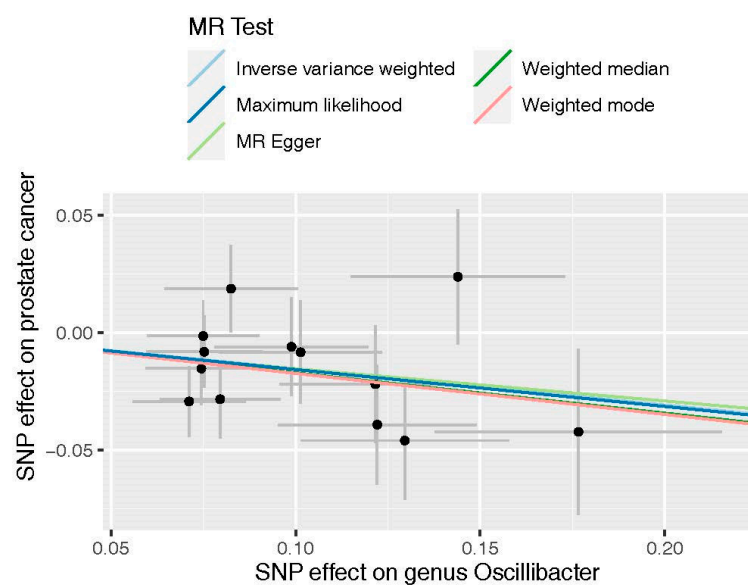


Figure S9. The scatter plot of genus Oscillibacter on prostate cancer

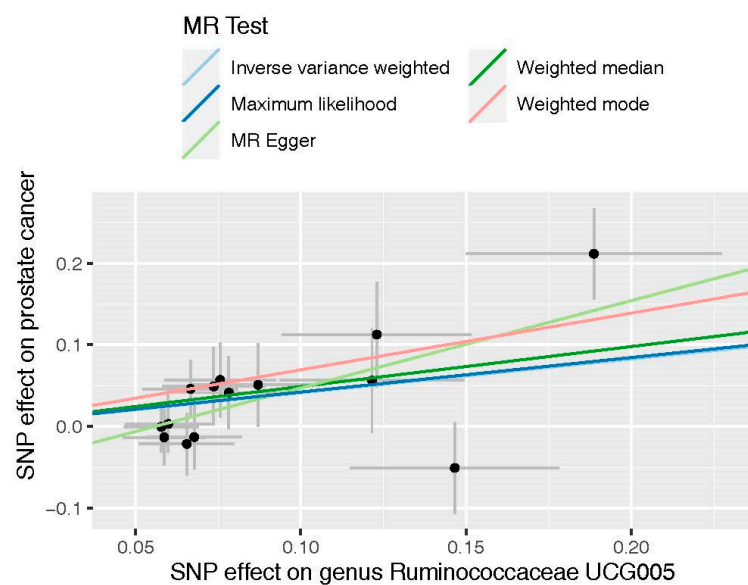


Figure S10. The scatter plot of genus Ruminococcaceae UCG005 on prostate cancer

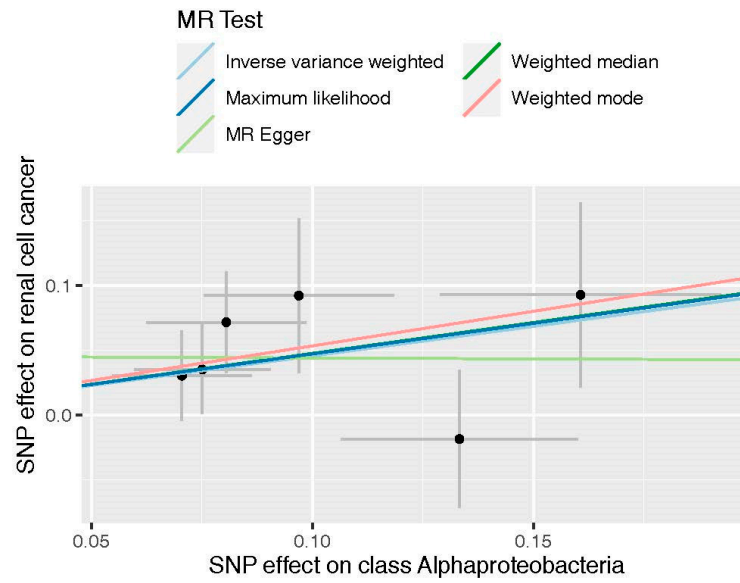


Figure S11. The scatter plot of class Alphaproteobacteria on renal cell cancer

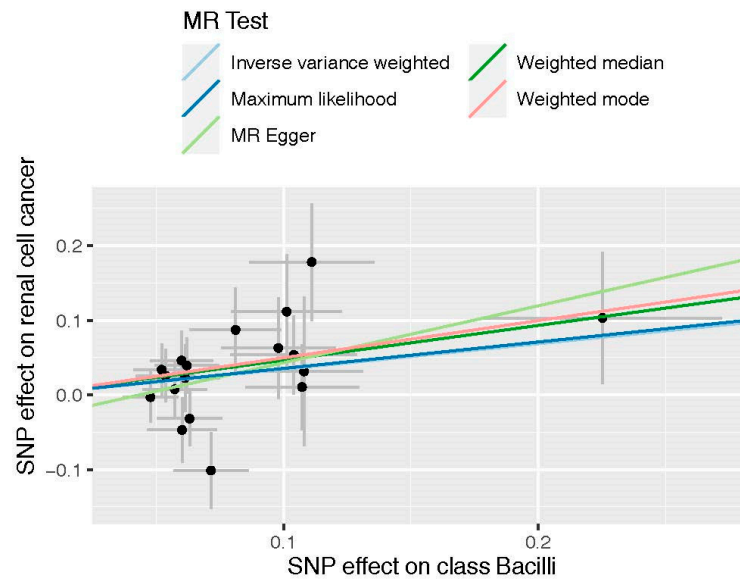


Figure S12. The scatter plot of class Bacilli on renal cell cancer

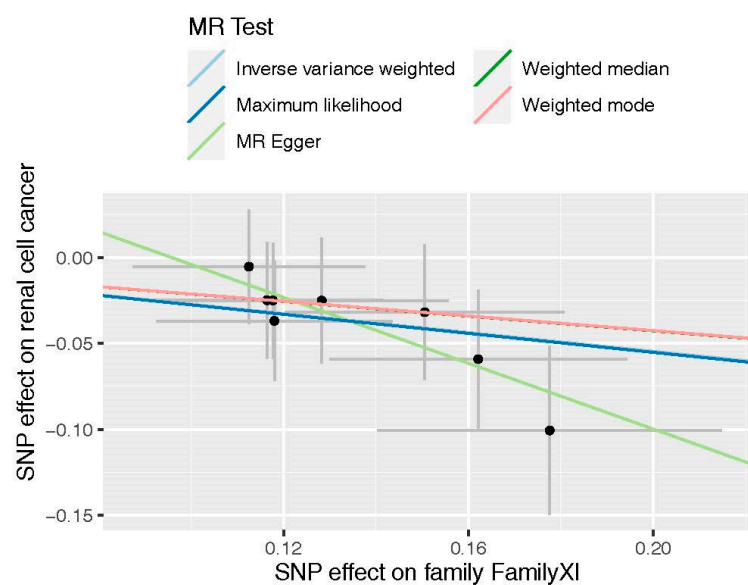


Figure S13. The scatter plot of family FamilyXI on renal cell cancer

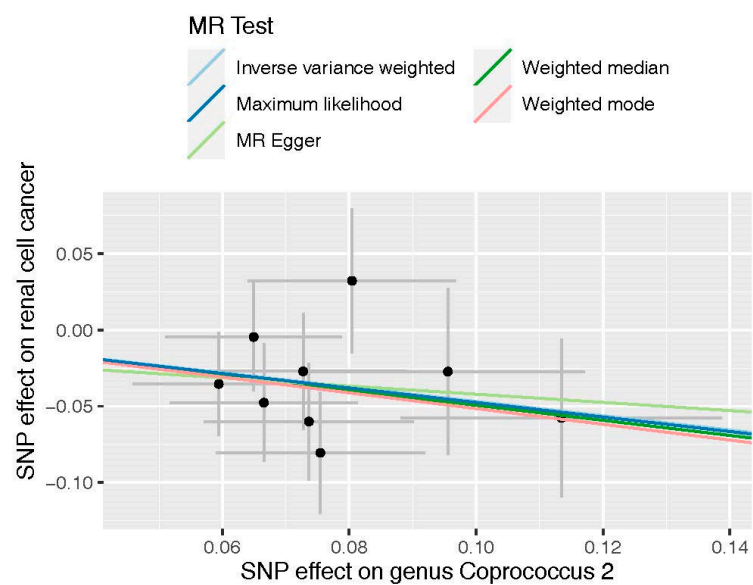


Figure S14. The scatter plot of genus Coprococcus 2 on renal cell cancer

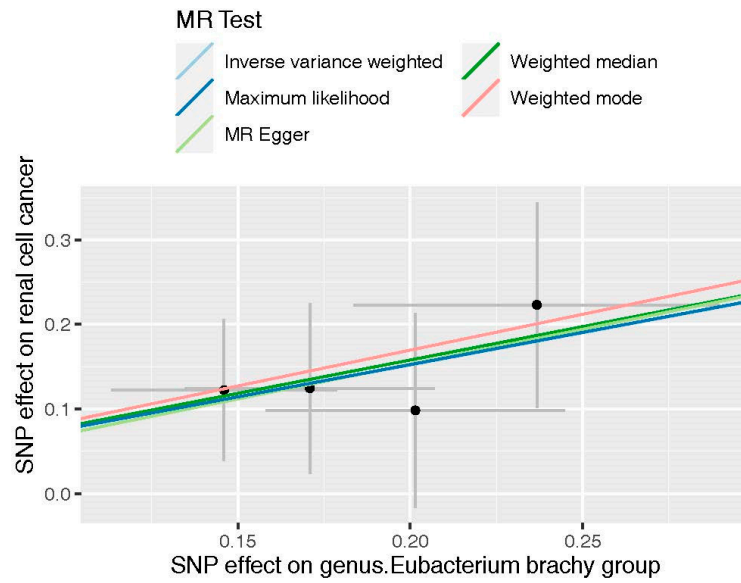


Figure S15. The scatter plot of genus Eubacterium brachy group on renal cell cancer

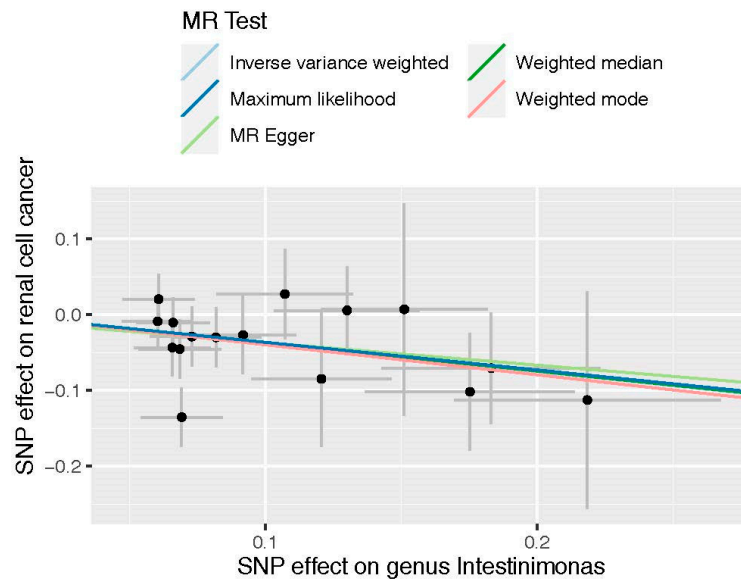


Figure S16. The scatter plot of genus Intestinimonas on renal cell cancer

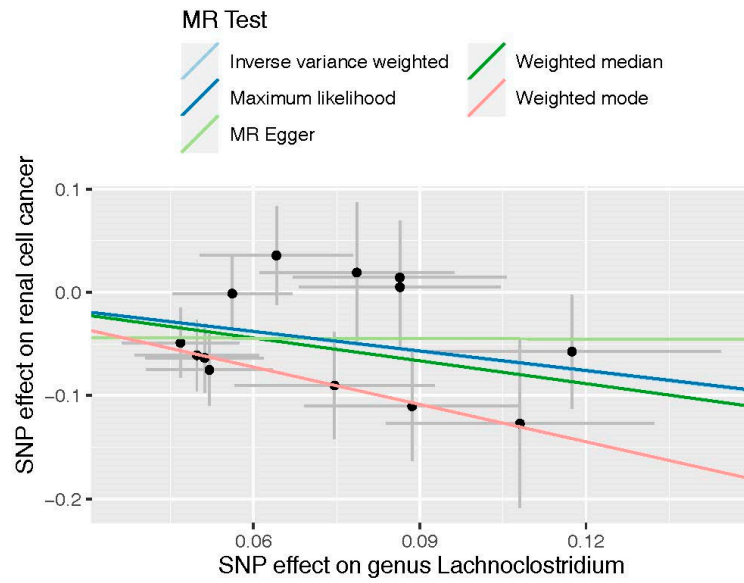


Figure S17. The scatter plot of genus Lachnospirillum on renal cell cancer

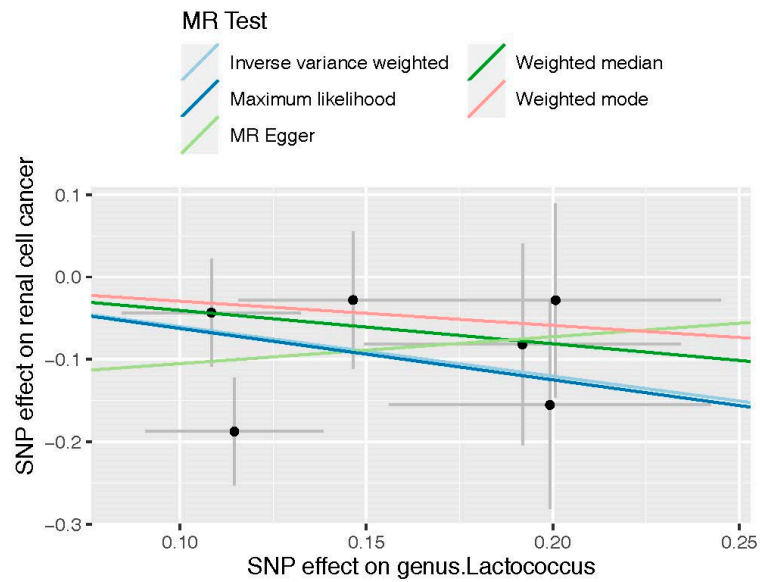


Figure S18. The scatter plot of genus Lactococcus on renal cell cancer

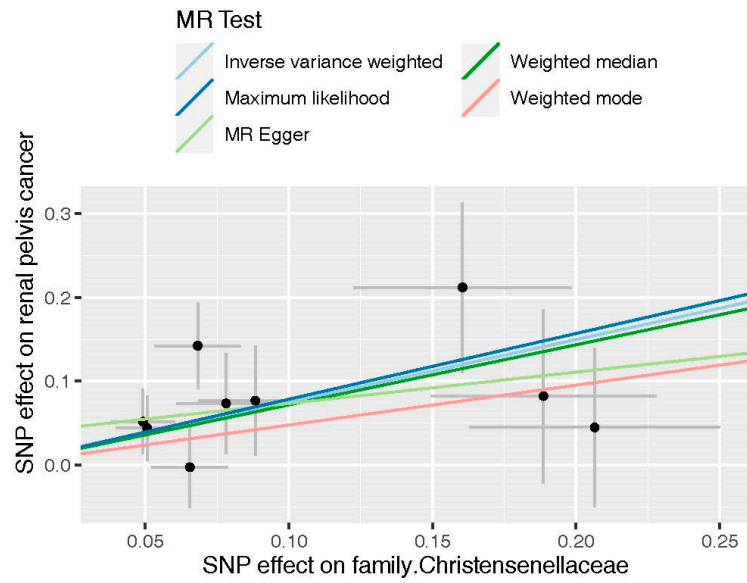


Figure S19. The scatter plot of family Christensenellaceae on renal pelvis cancer

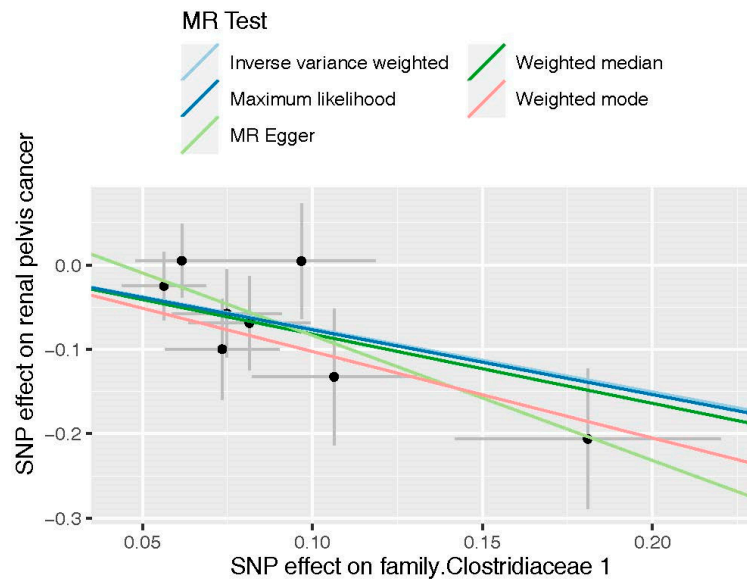


Figure S20. The scatter plot of family Clostridiaceae 1 on renal pelvis cancer

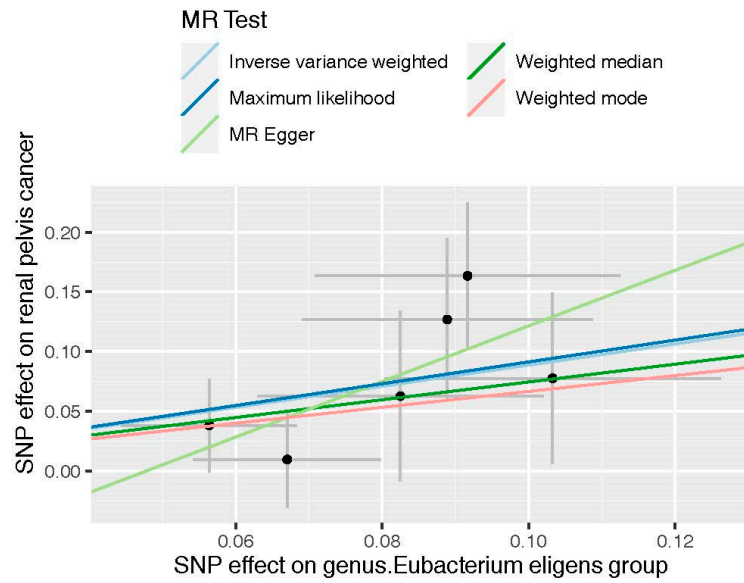


Figure S21. The scatter plot of genus Eubacterium eligens group on renal pelvis cancer

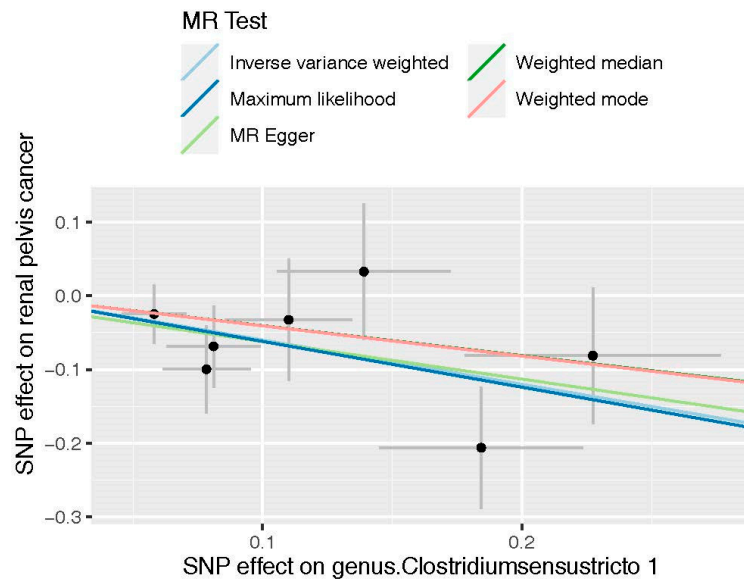


Figure S22. The scatter plot of genus Clostridium sensu stricto 1 on renal pelvis cancer

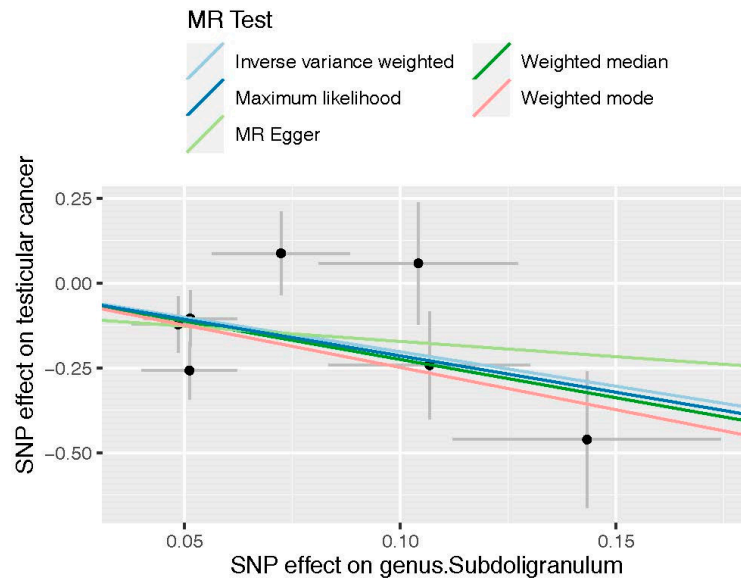


Figure S23. The scatter plot of genus Subdoligranulum on testicular cancer

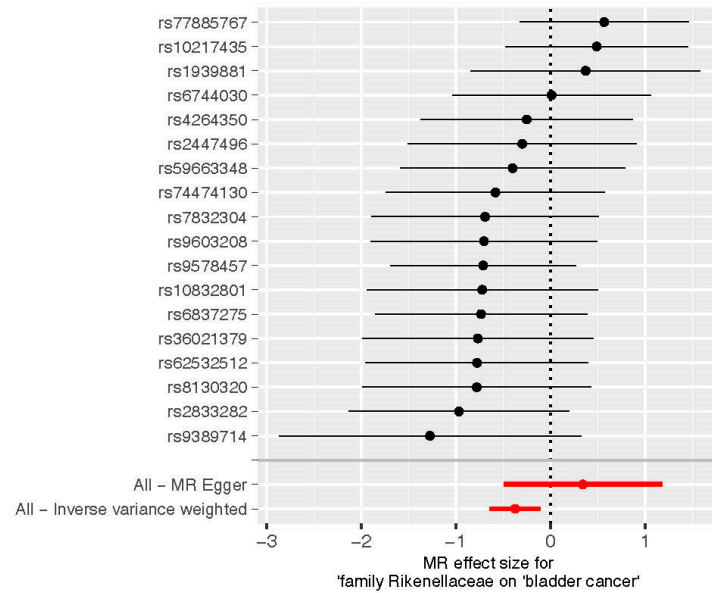


Figure S24. The forest plot of family Rikenellaceae on bladder cancer

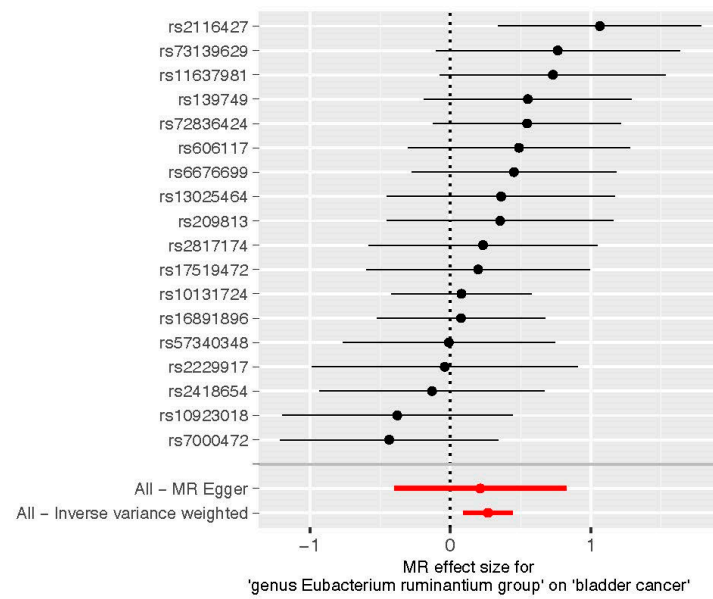


Figure S25. The forest plot of genus Eubacterium ruminantium group on bladder cancer

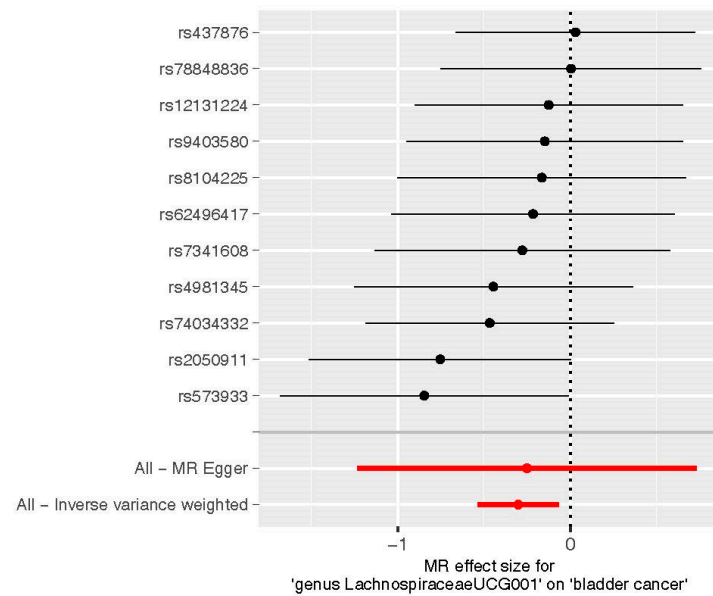


Figure S26. The forest plot of genus Lachnospiraceae UCG001 on bladder cancer

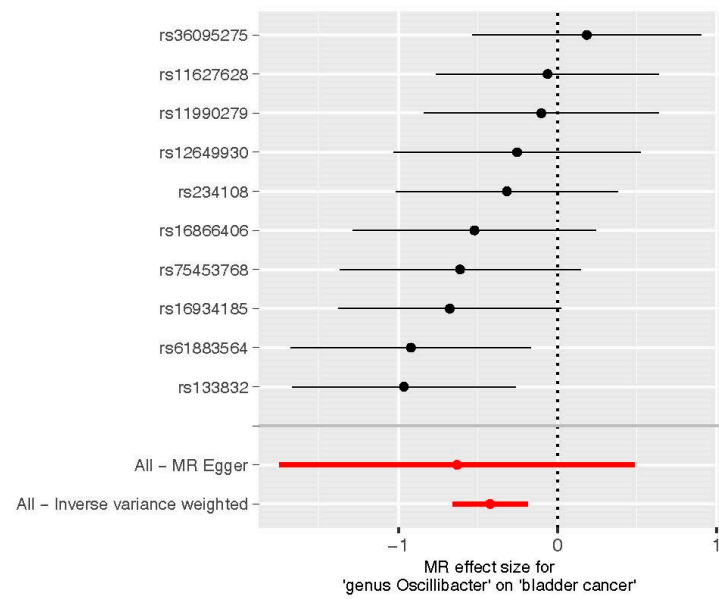


Figure S27. The forest plot of genus *Oscillibacter* on bladder cancer

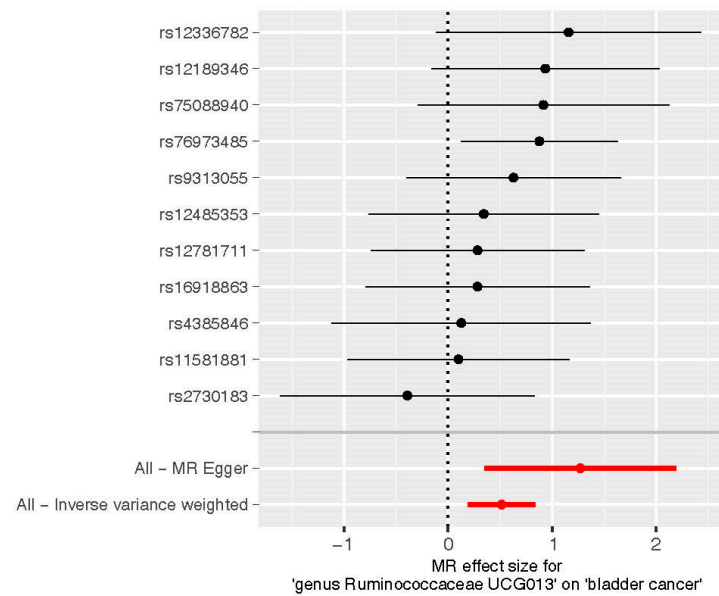


Figure S28. The forest plot of genus *Ruminococcaceae* UCG013 on bladder cancer

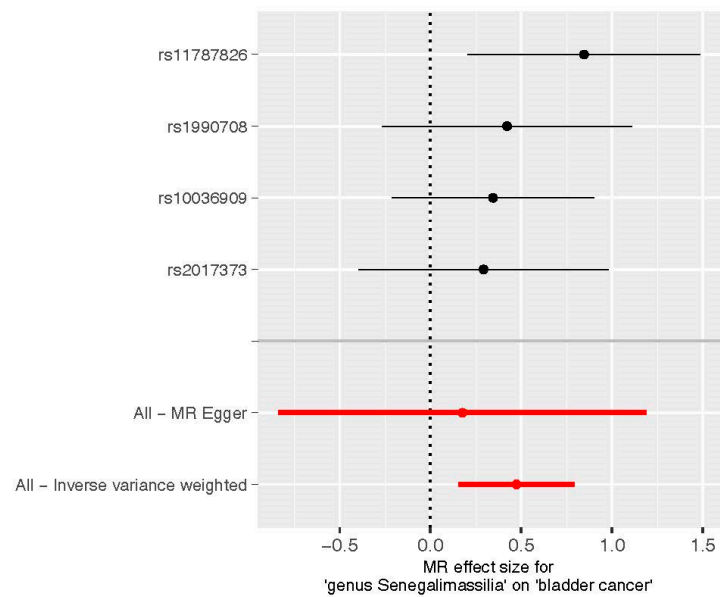


Figure S29. The forest plot of genus *Senegalimassilia* on bladder cancer

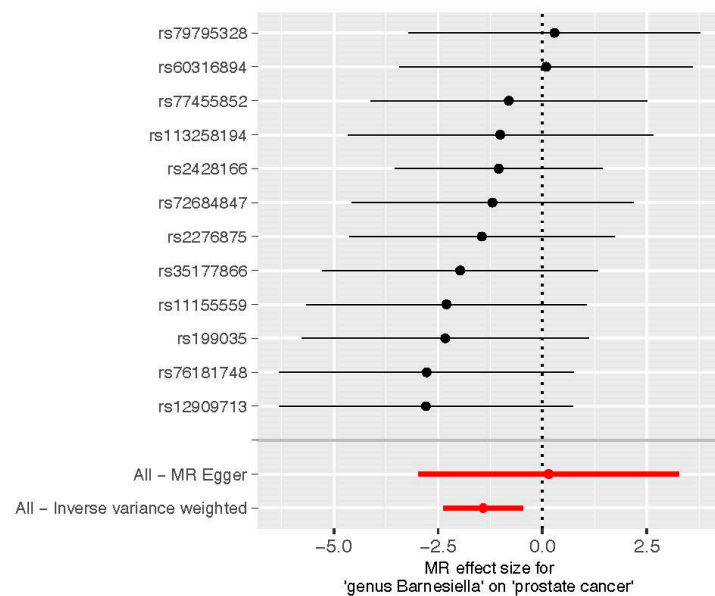


Figure S30. The forest plot of genus *Barnesiella* on prostate cancer

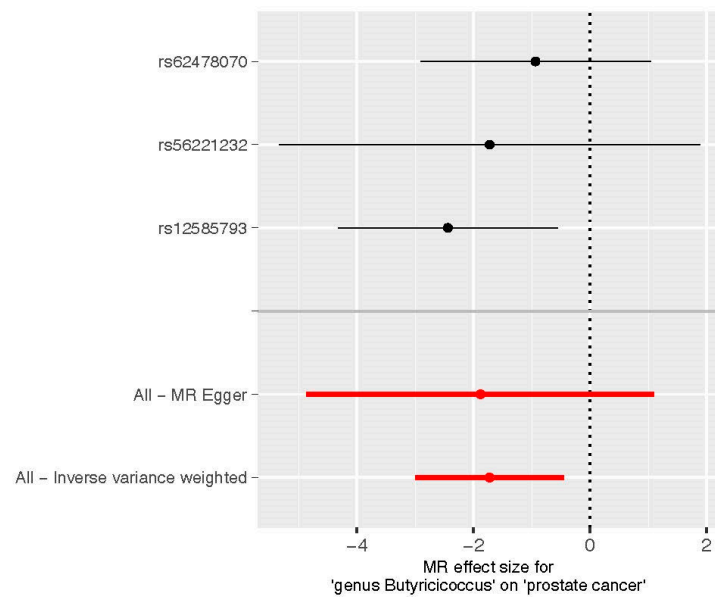


Figure S31. The forest plot of genus *Butyricicoccus* on prostate cancer

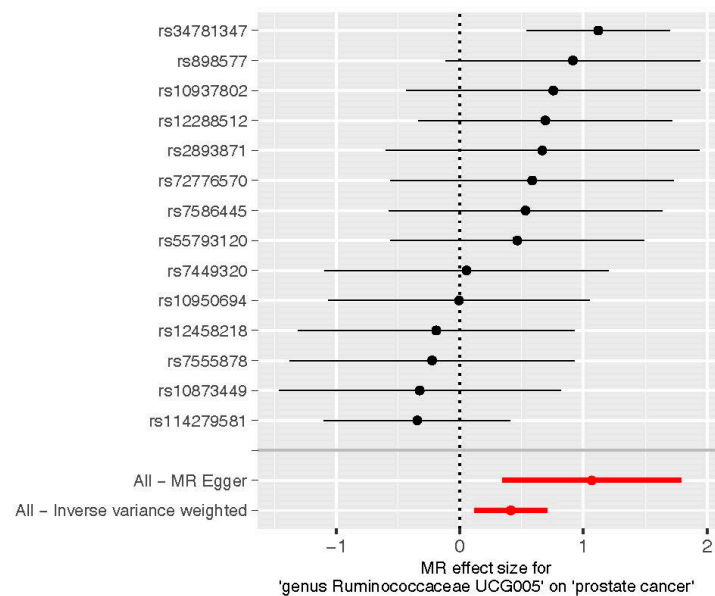


Figure S32. The forest plot of genus *Ruminococcaceae* UCG005 on prostate cancer

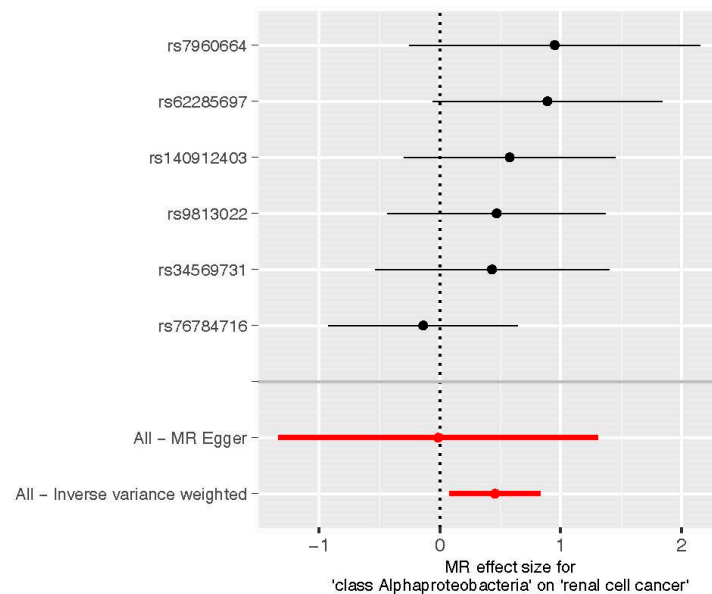


Figure S33. The forest plot of class Alphaproteobacteria on renal cell cancer

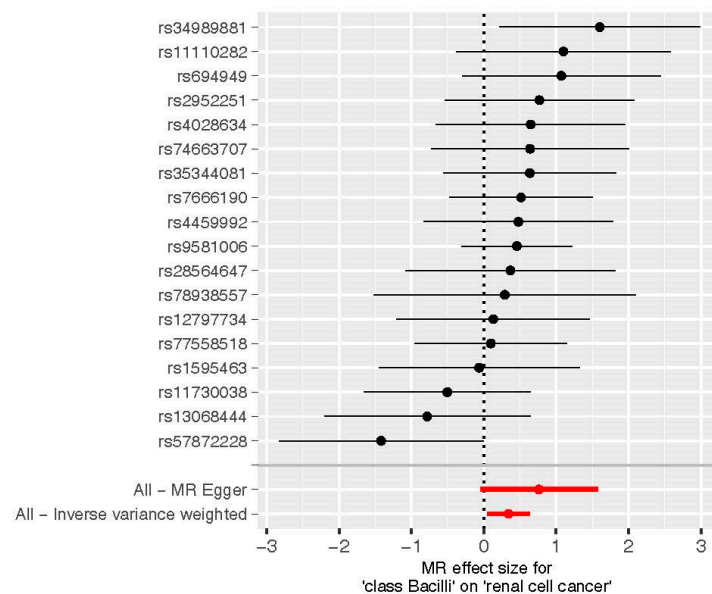


Figure S34. The forest plot of class Bacilli on renal cell cancer

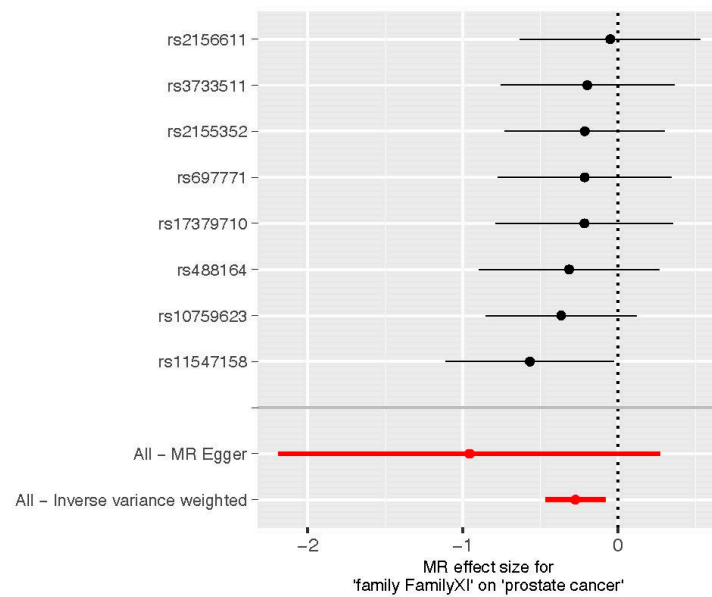


Figure S35. The forest plot of family FamilyXI on renal cell cancer

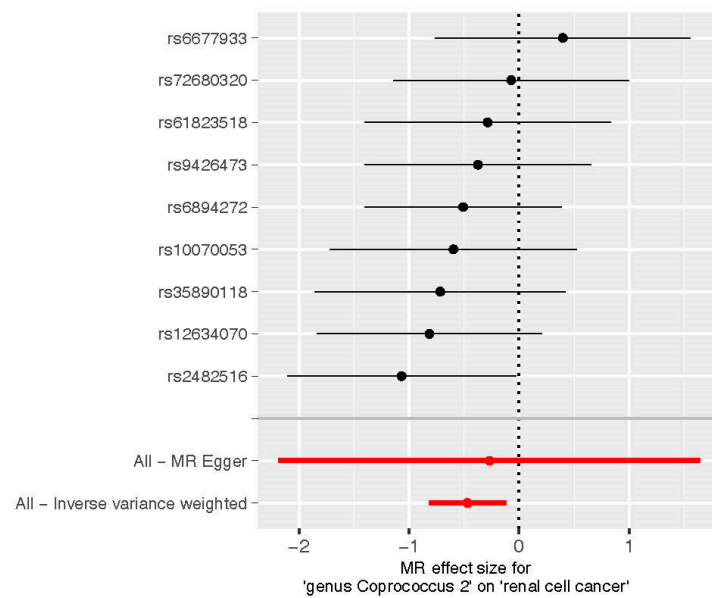


Figure S36. The forest plot of genus Coprococcus 2 on renal cell cancer

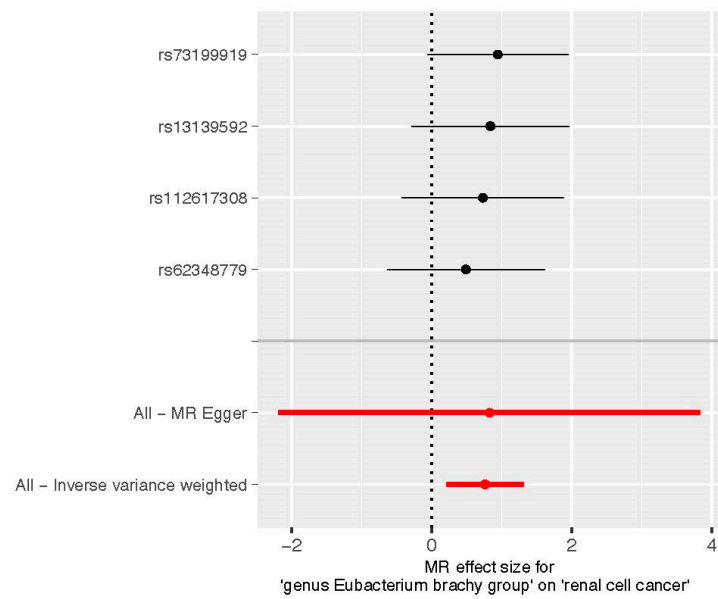


Figure S37. The forest plot of genus Eubacterium brachy group on renal cell cancer

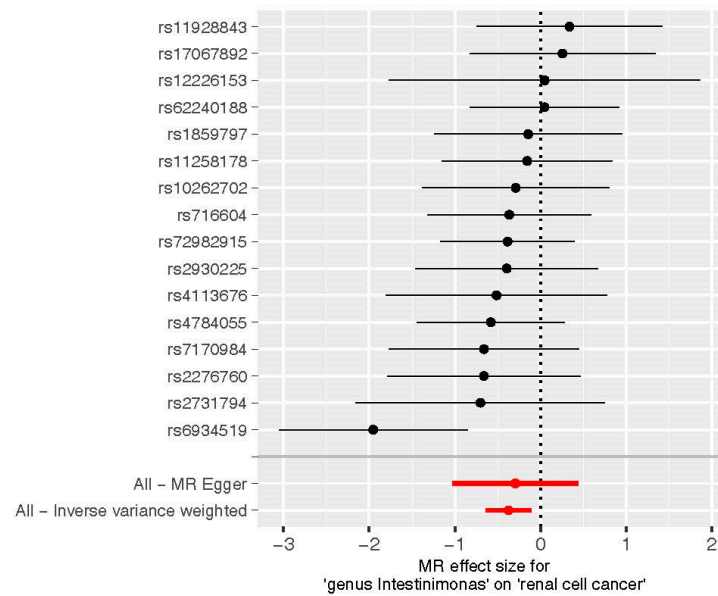


Figure S38. The forest plot of genus Intestinimonas on renal cell cancer

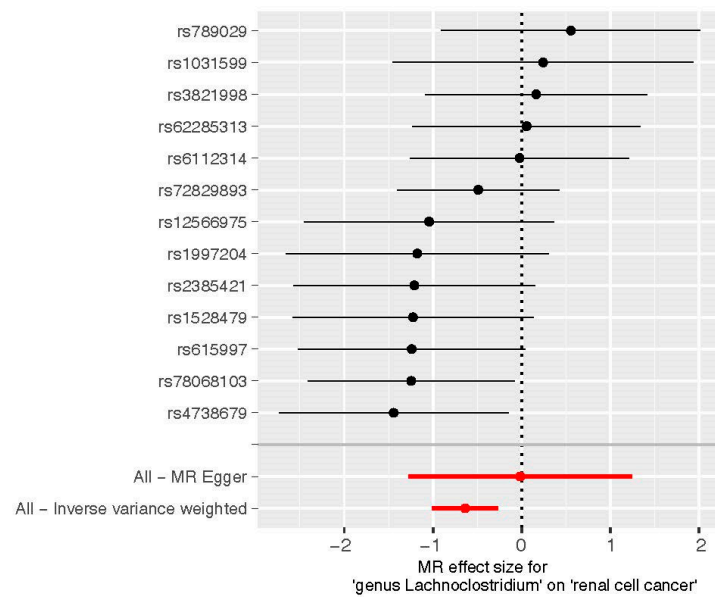


Figure S39. The forest plot of genus Lachnospirillum on renal cell cancer

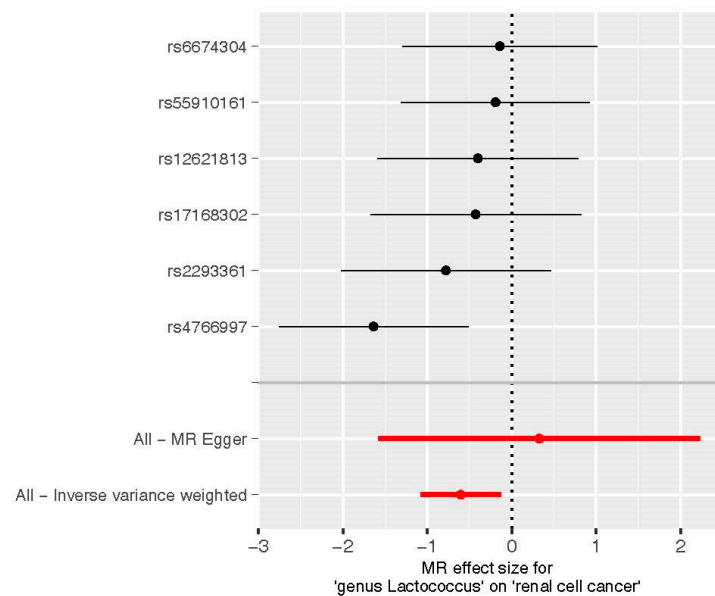


Figure S40. The forest plot of genus Lactococcus on renal cell cancer

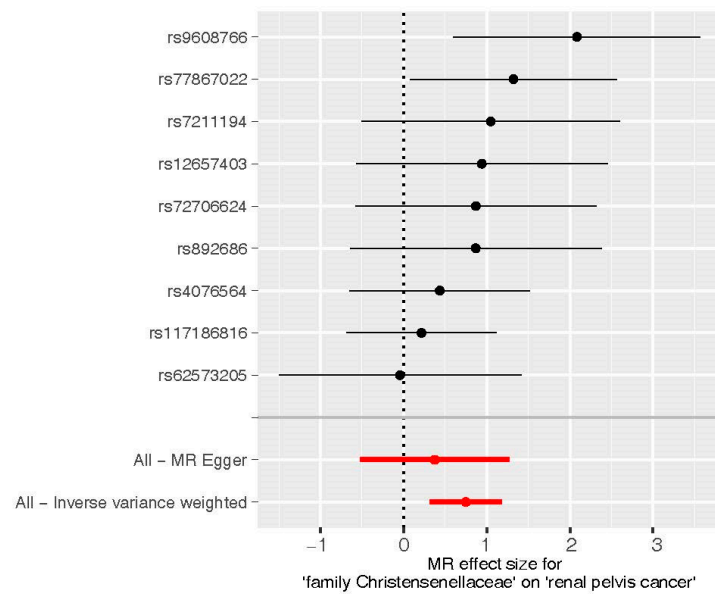


Figure S41. The forest plot of family Christensenellaceae on renal pelvis cancer

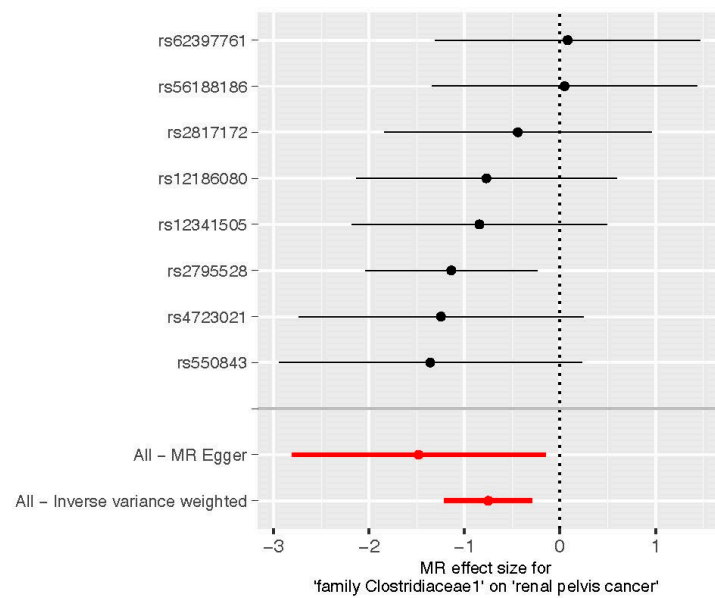


Figure S42. The forest plot of family Clostridiaceae 1 on renal pelvis cancer

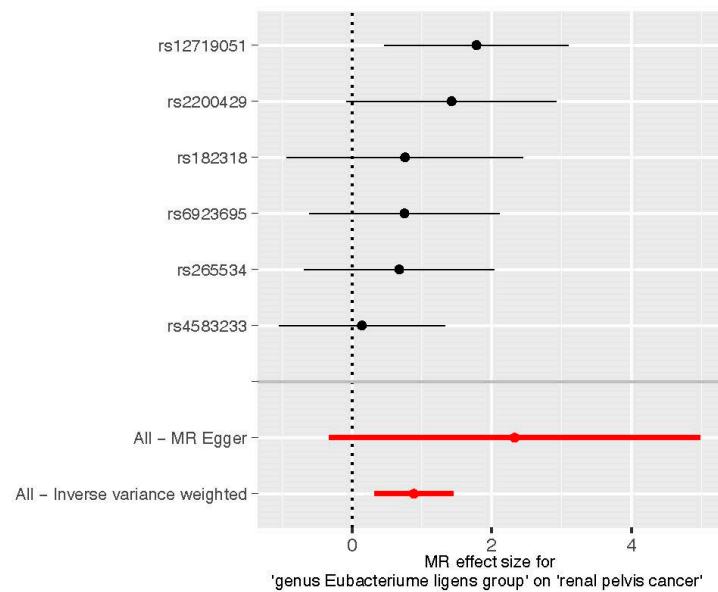


Figure S43. The forest plot of genus *Eubacterium eligens* group on renal pelvis cancer

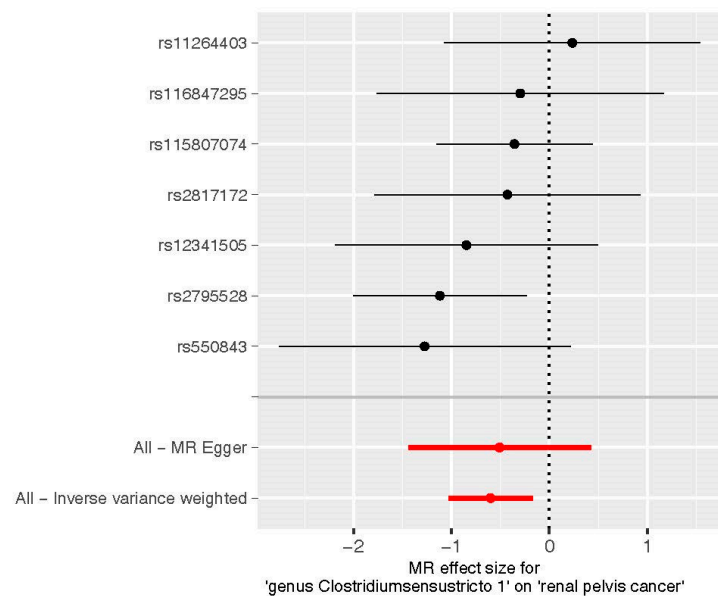


Figure S44. The forest plot of genus *Clostridium sensu stricto* 1 on renal pelvis cancer

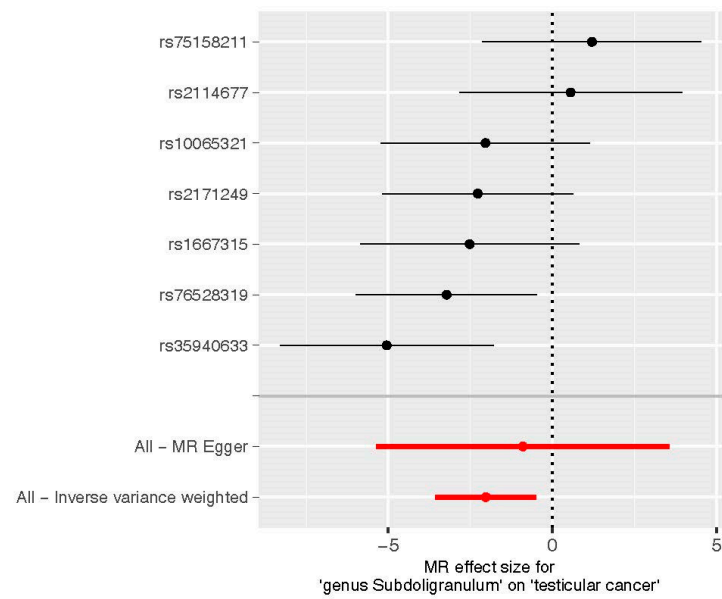


Figure S45. The forest plot of genus *Subdoligranulum* on testicular cancer

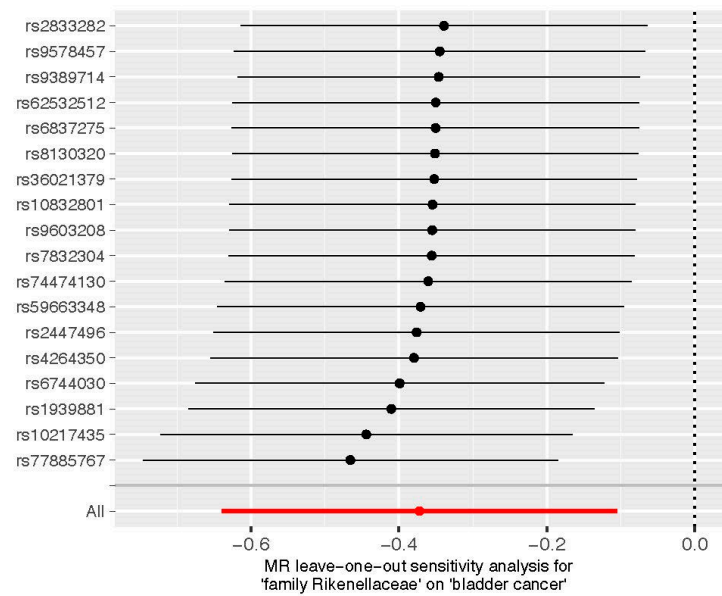


Figure S46. The leave-one-out test of family *Rikenellaceae* on bladder cancer

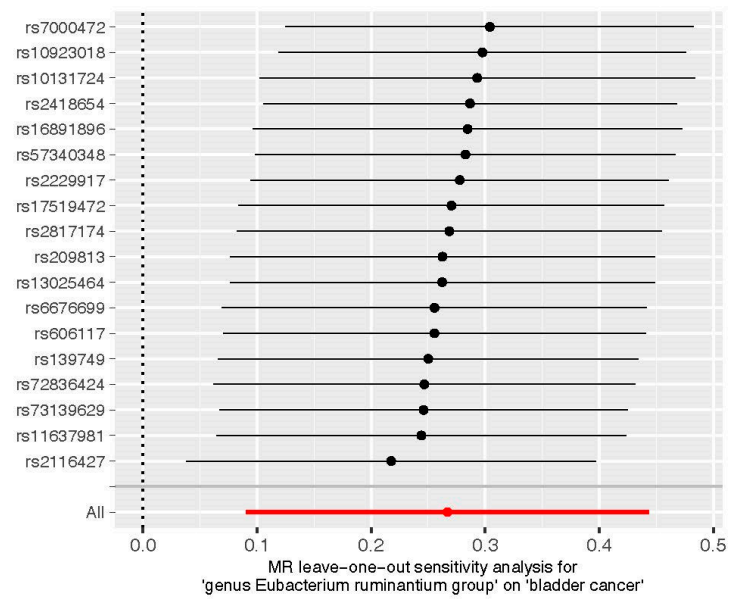


Figure S47. The leave-one-out test of genus *Eubacterium ruminantium* group on bladder cancer

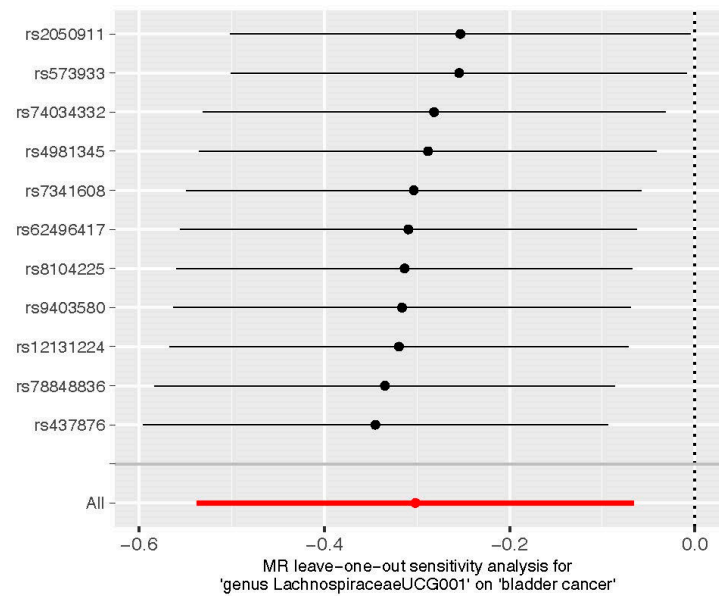


Figure S48. The leave-one-out test of genus *Lachnospiraceae* UCG001 on bladder cancer

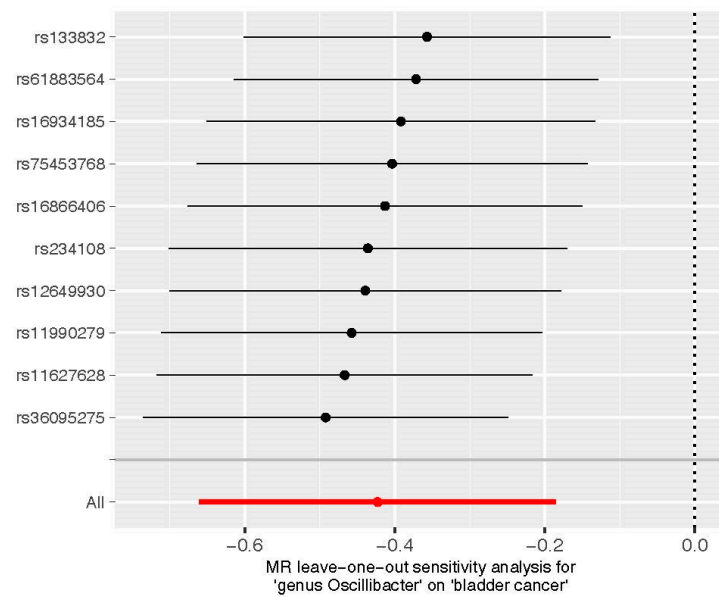


Figure S49. The leave-one-out test of genus *Oscillibacter* on bladder cancer

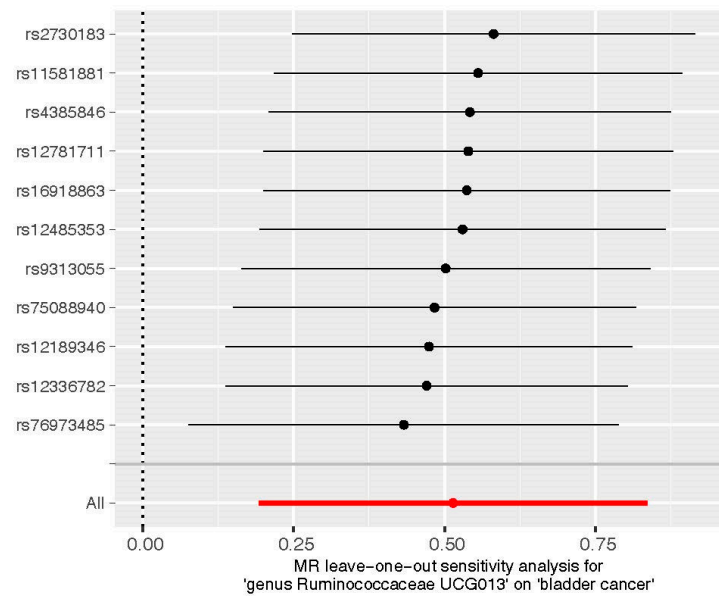


Figure S50. The leave-one-out test of genus *Ruminococcaceae* UCG013 on bladder cancer

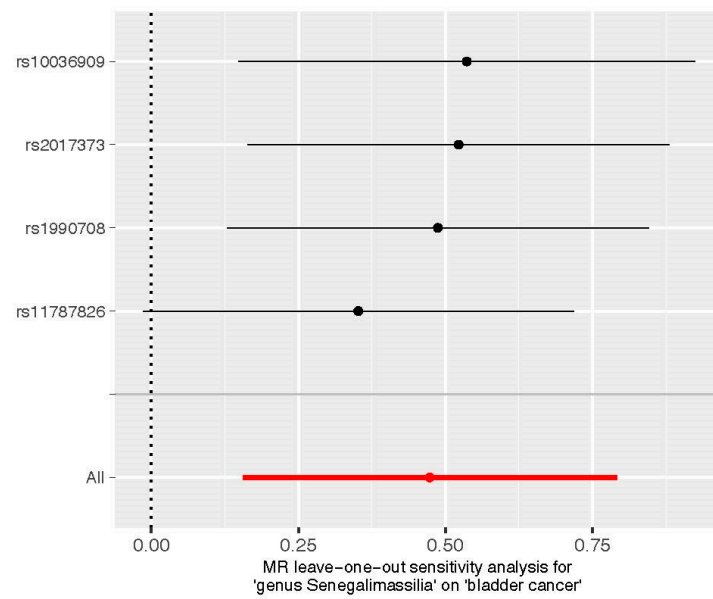


Figure S51. The leave-one-out test of genus *Senegalimassilia* on bladder cancer

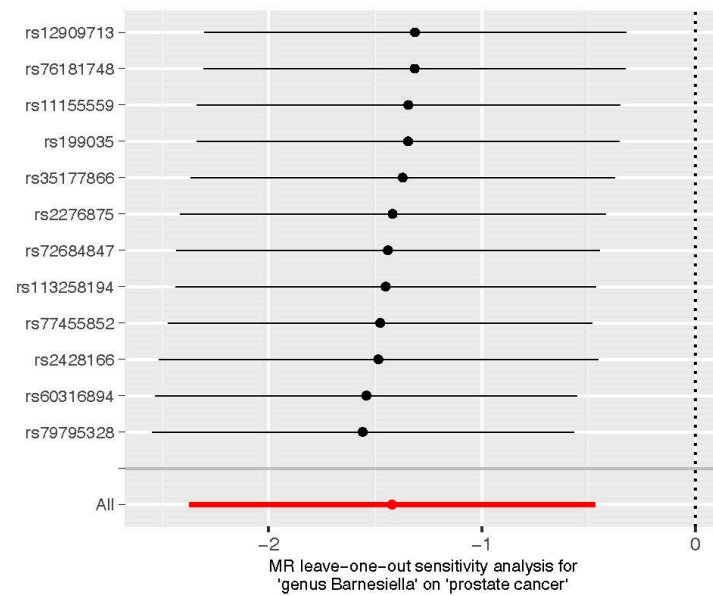


Figure S52. The leave-one-out test of genus *Barnesiella* on prostate cancer

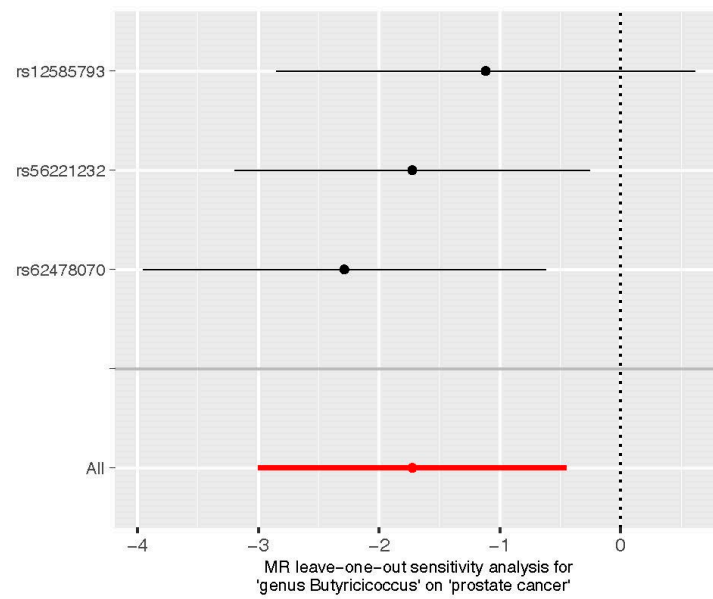


Figure S53. The leave-one-out test of genus *Butyricicoccus* on prostate cancer

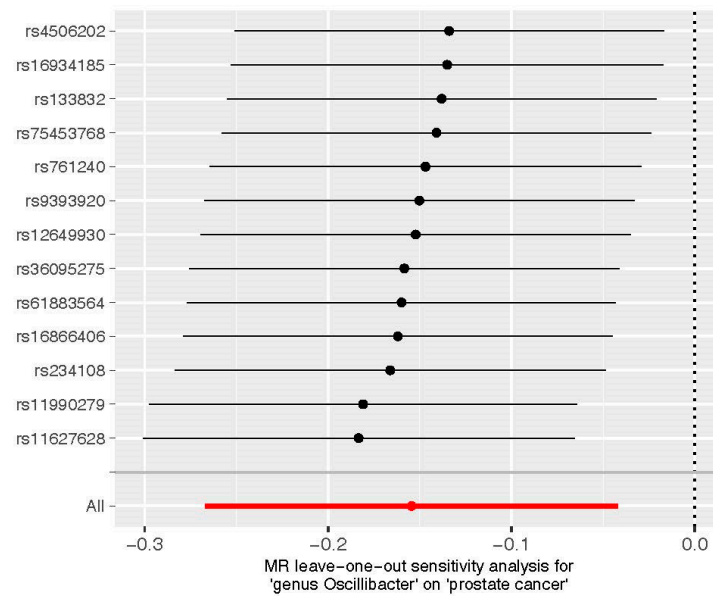


Figure S54. The leave-one-out test of genus *Oscillibacter* on prostate cancer

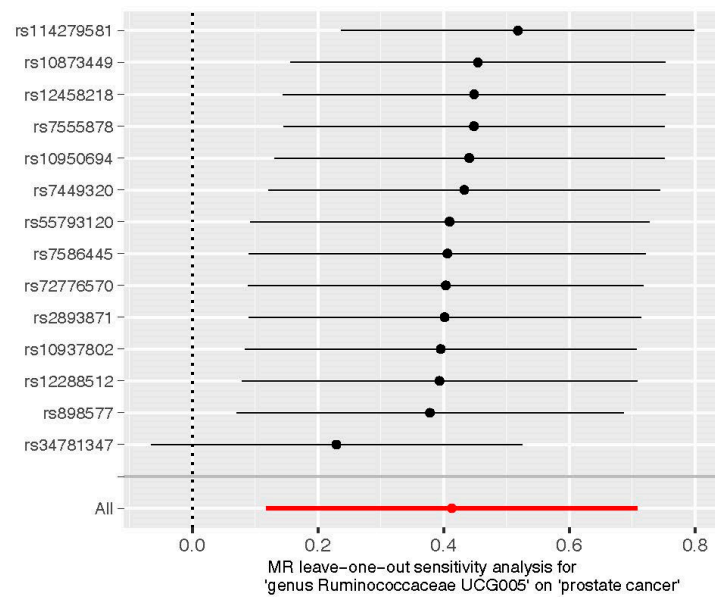


Figure S55. The leave-one-out test of genus Ruminococcaceae UCG005 on prostate cancer

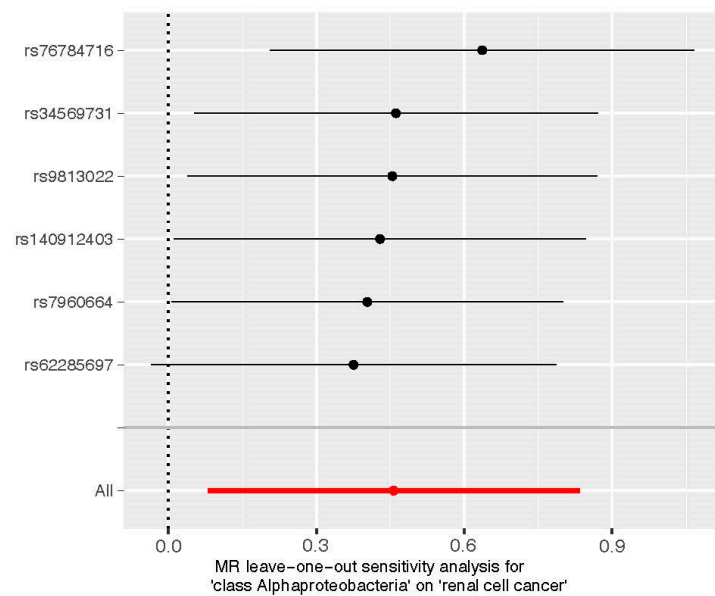


Figure S56. The leave-one-out test of class Alphaproteobacteria on renal cell cancer

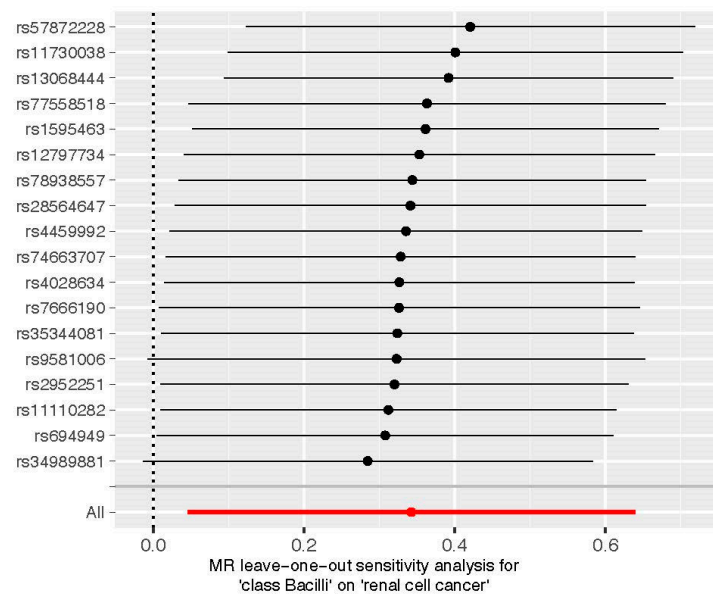


Figure S57. The leave-one-out test of class Bacilli on renal cell cancer

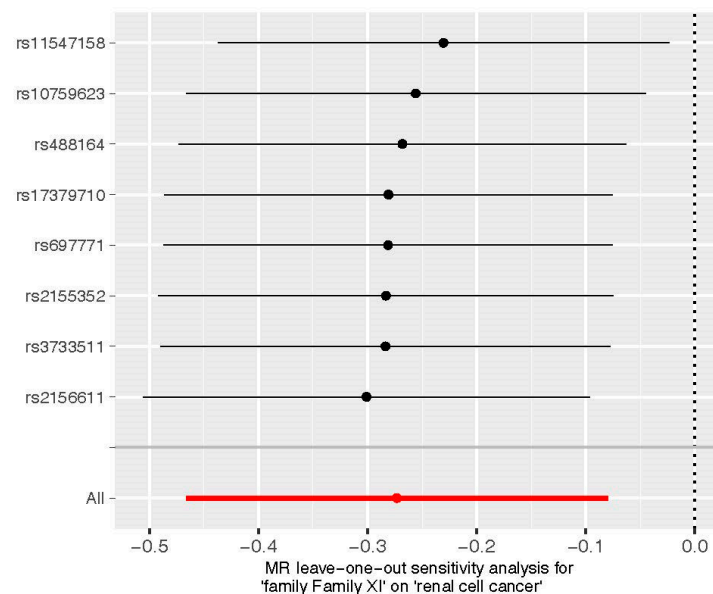


Figure S58. The leave-one-out test of family FamilyXI on renal cell cancer

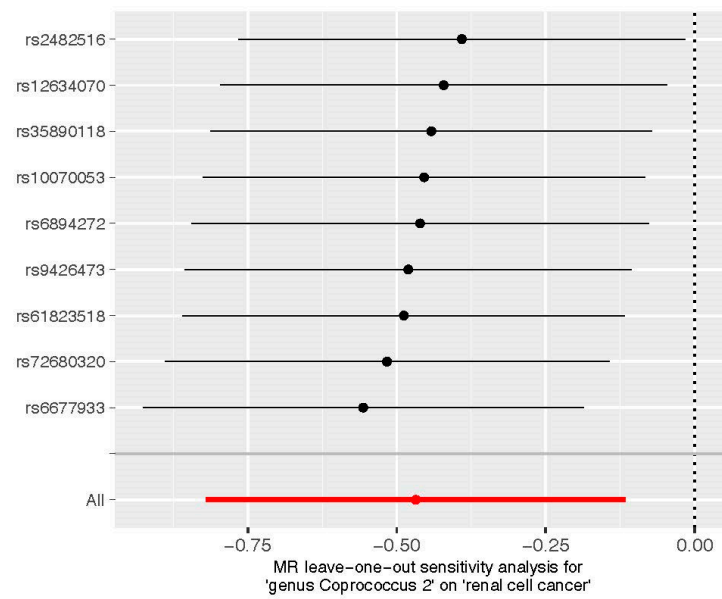


Figure S59. The leave-one-out test of genus *Coprococcus* 2 on renal cell cancer

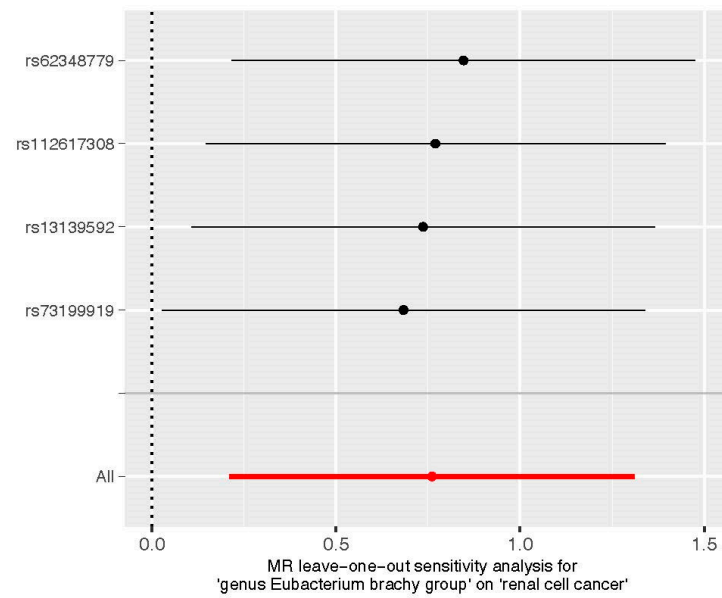


Figure S60. The leave-one-out test of genus *Eubacterium* brachy group on renal cell cancer

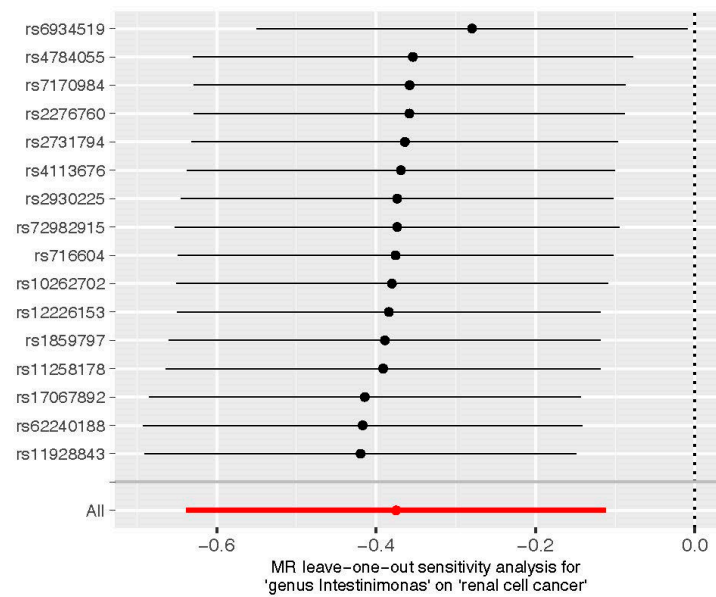


Figure S61. The leave-one-out test of genus *Intestinimonas* on renal cell cancer

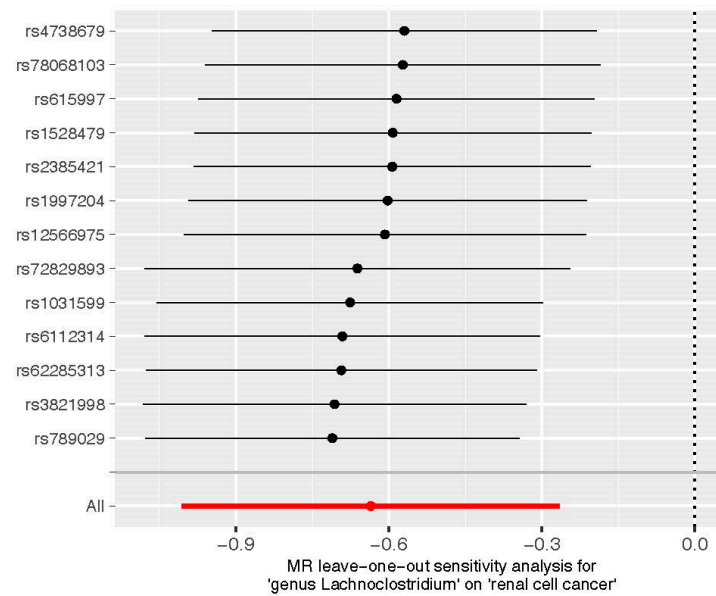


Figure S62. The leave-one-out test of genus *Lachnoclostridium* on renal cell cancer

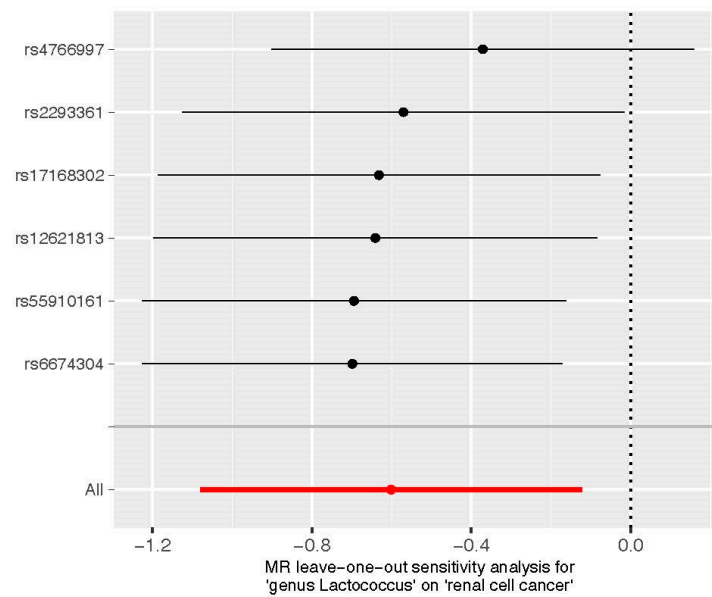


Figure S63. The leave-one-out test of genus *Lactococcus* on renal cell cancer

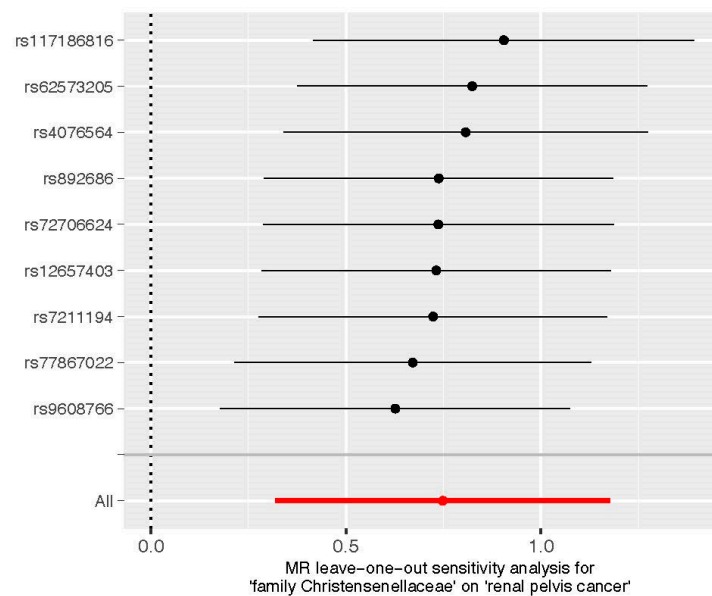


Figure S64. The leave-one-out test of family *Christensenellaceae* on renal pelvis cancer

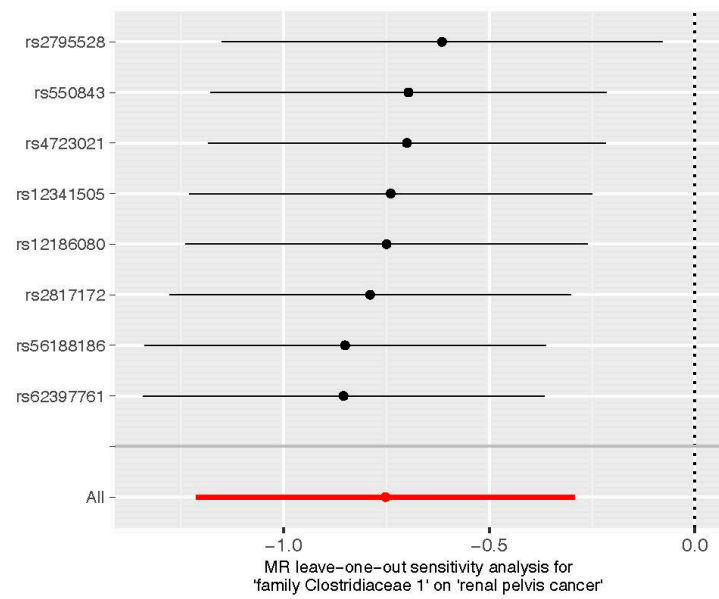


Figure S65. The leave-one-out test of family Clostridiaceae 1 on renal pelvis cancer

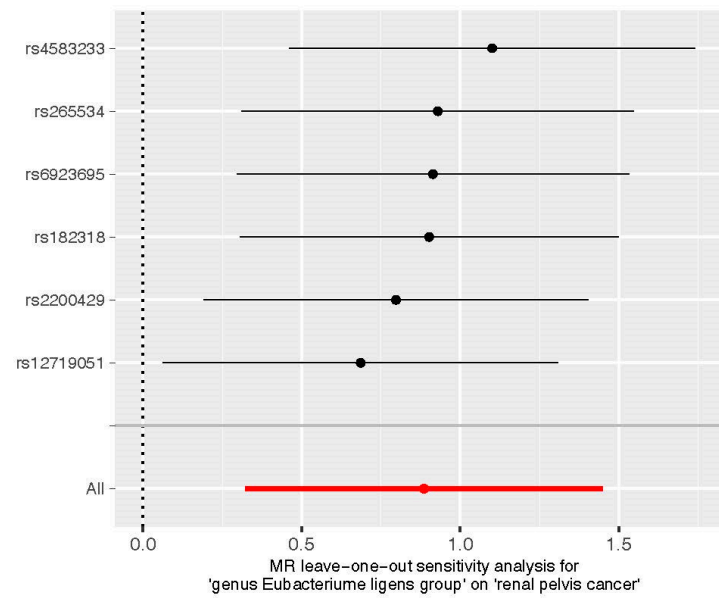


Figure S66. The leave-one-out test of genus Eubacterium eligens group on renal pelvis cancer

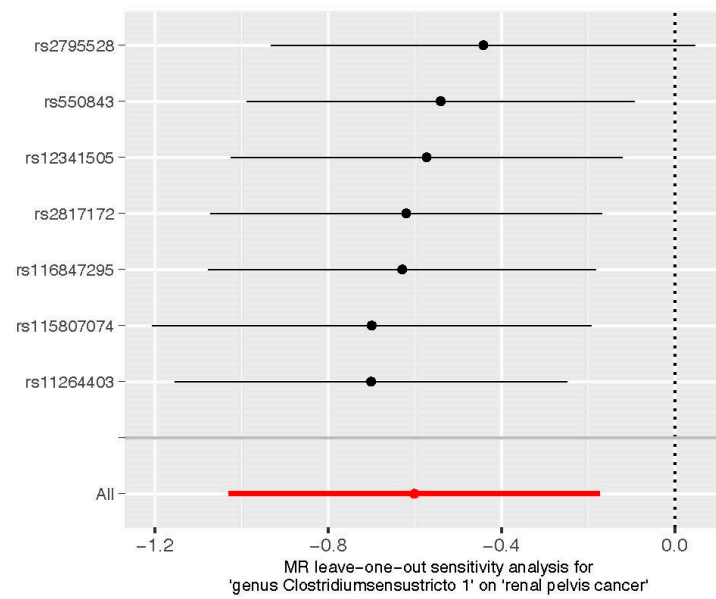


Figure S67. The leave-one-out test of genus *Clostridium sensu stricto 1* on renal pelvis cancer

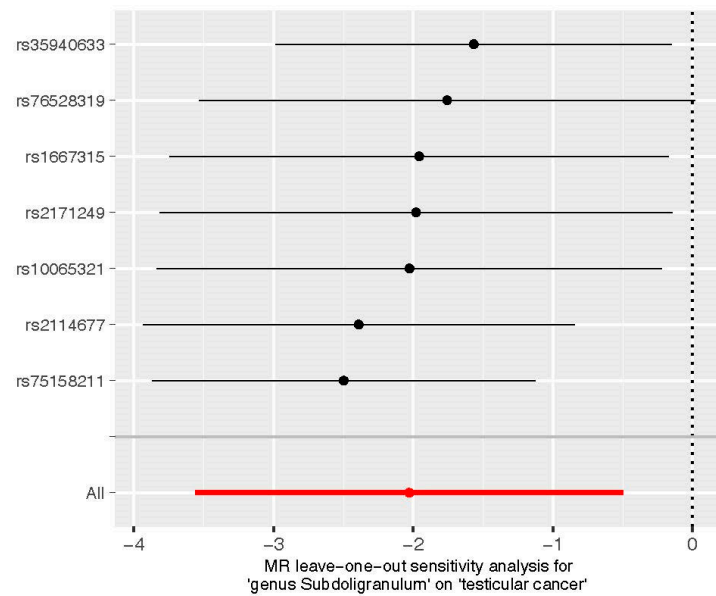


Figure S68. The leave-one-out test of genus *Subdoligranulum* on testicular cancer

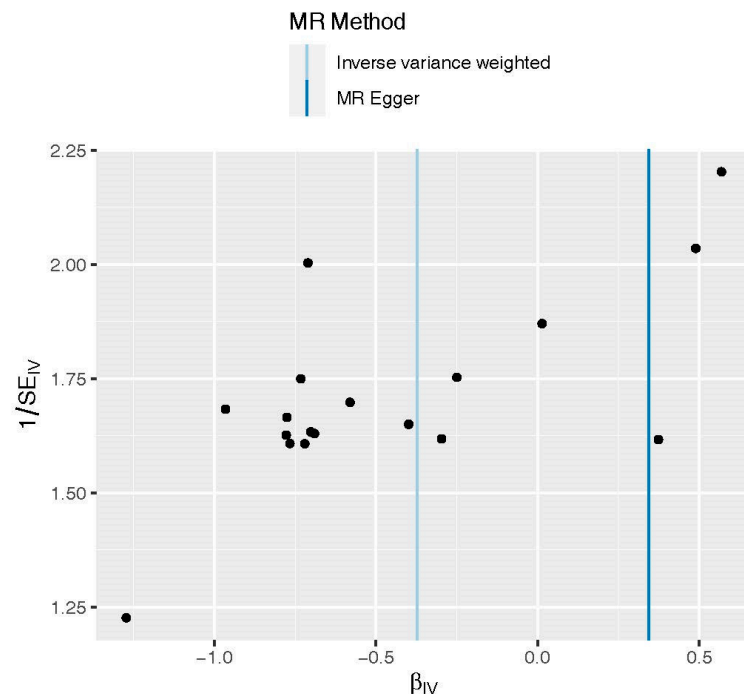


Figure S69. The funnel plot of family Rikenellaceae on bladder cancer

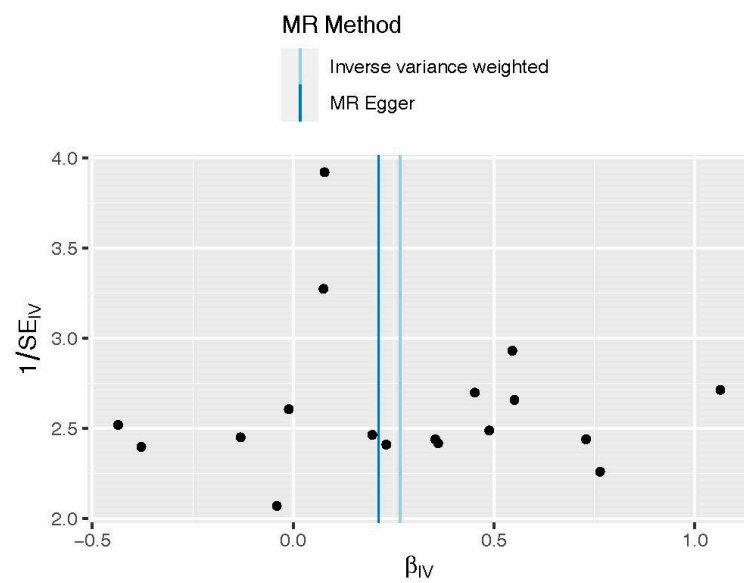


Figure S70. The funnel plot of genus Eubacterium ruminantium group on bladder cancer

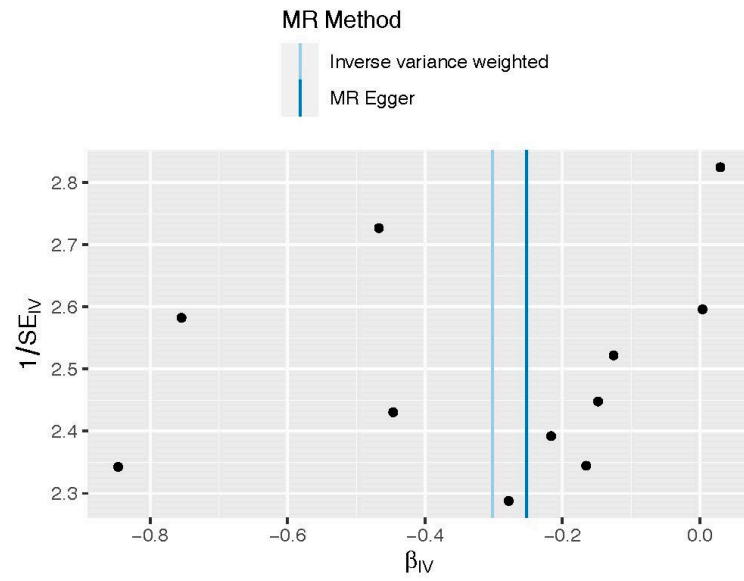


Figure S71. The funnel plot of genus *Lachnospiraceae* UCG001 on bladder cancer

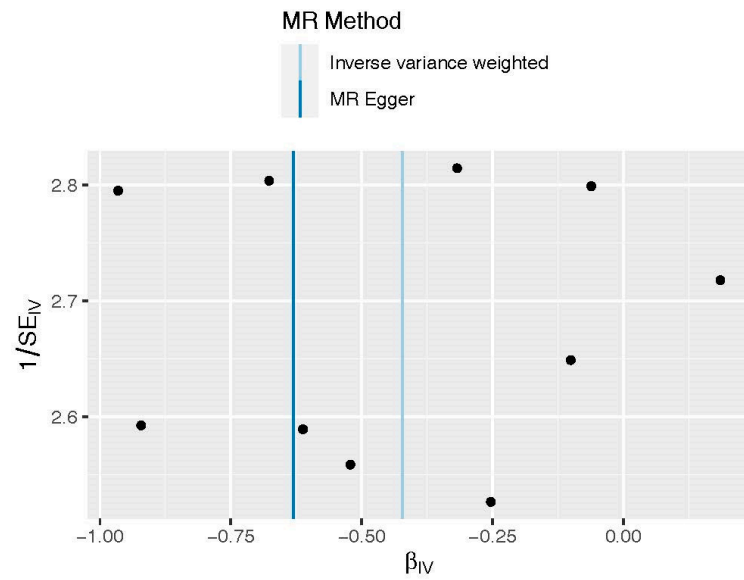


Figure S72. The funnel plot of genus *Oscillibacte* on bladder cancer

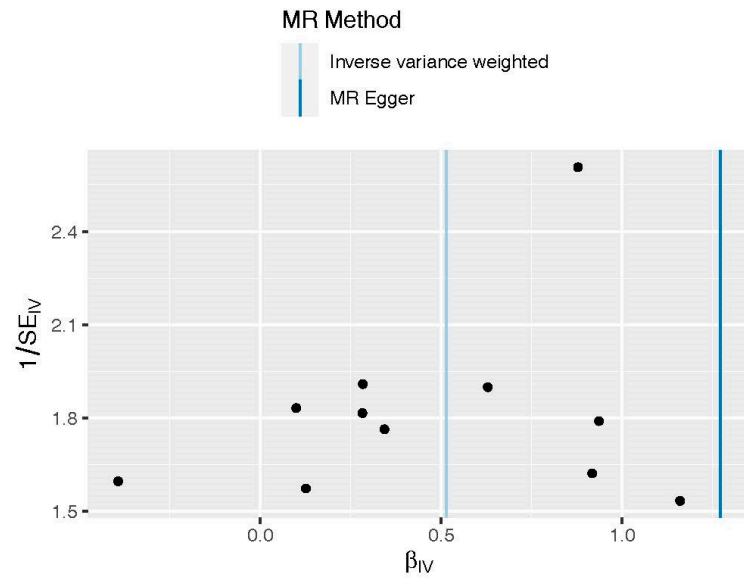


Figure S73. The funnel plot of genus Ruminococcaceae UCG013 on bladder cancer

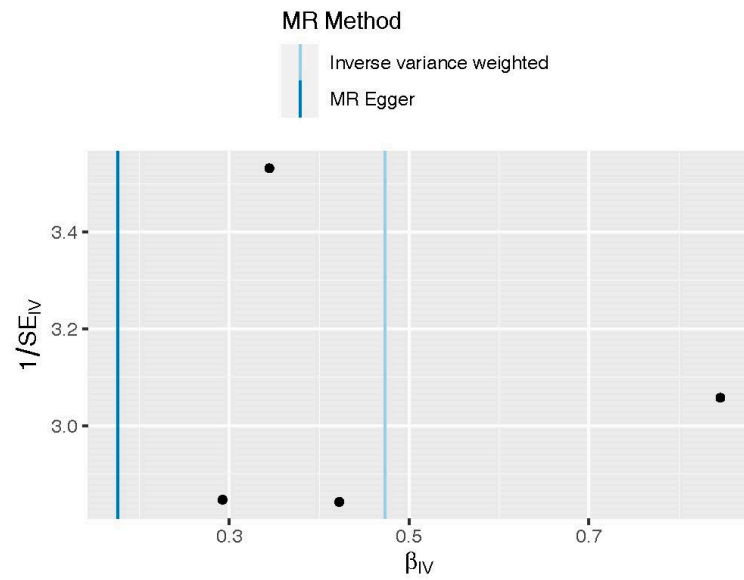


Figure S74. The funnel plot of genus Senegalimassilia on bladder cancer

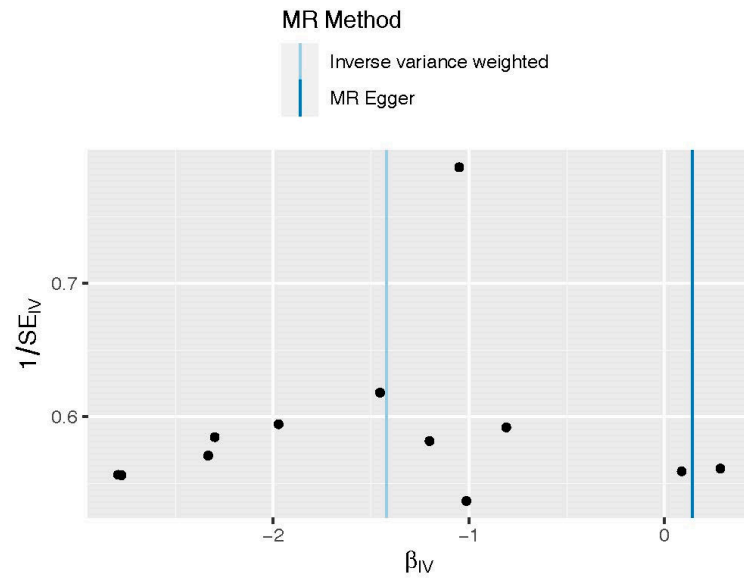


Figure S75. The funnel plot of genus Barnesia on prostate cancer

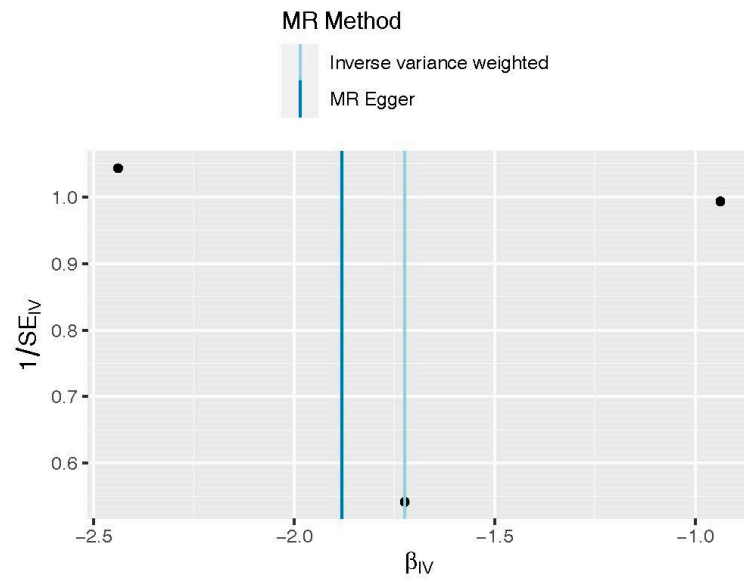


Figure S76. The funnel plot of genus Butyricoccus on prostate cancer

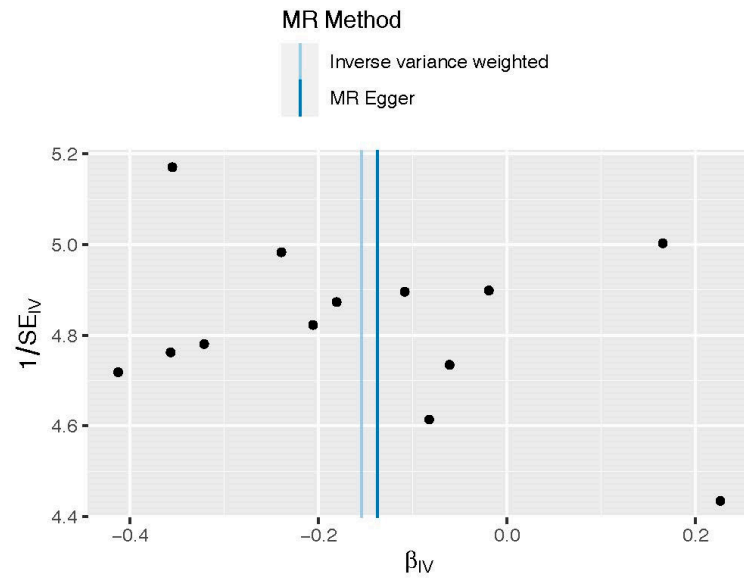


Figure S77. The funnel plot of genus *Oscillibacter* on prostate cancer

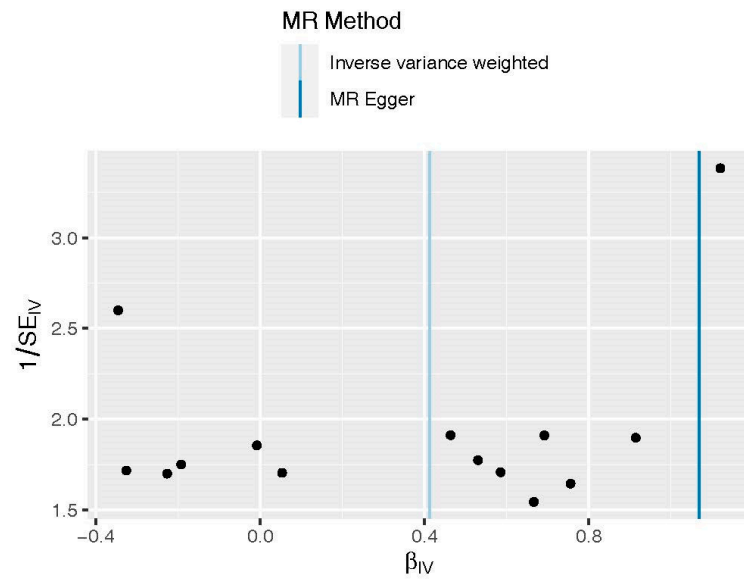


Figure S78. The funnel plot of genus *Ruminococcaceae* UCG005 on prostate cancer

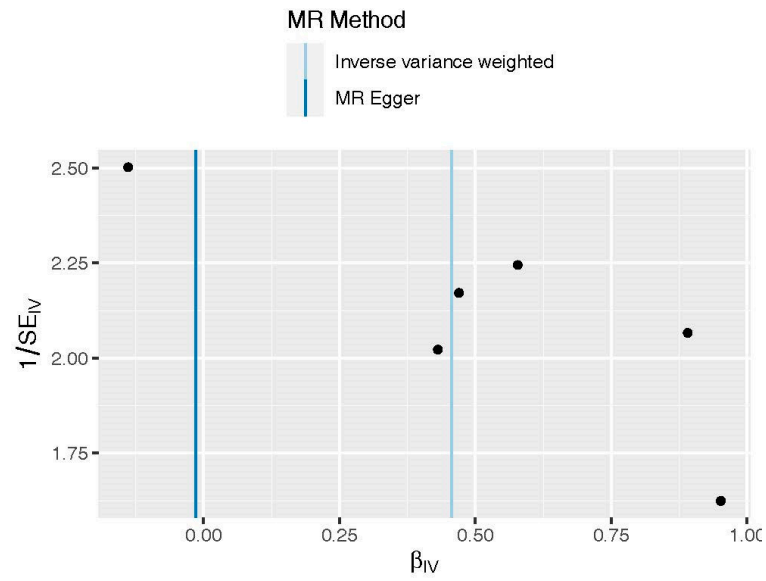


Figure S79. The funnel plot of class Alphaproteobacteria on renal cell cancer

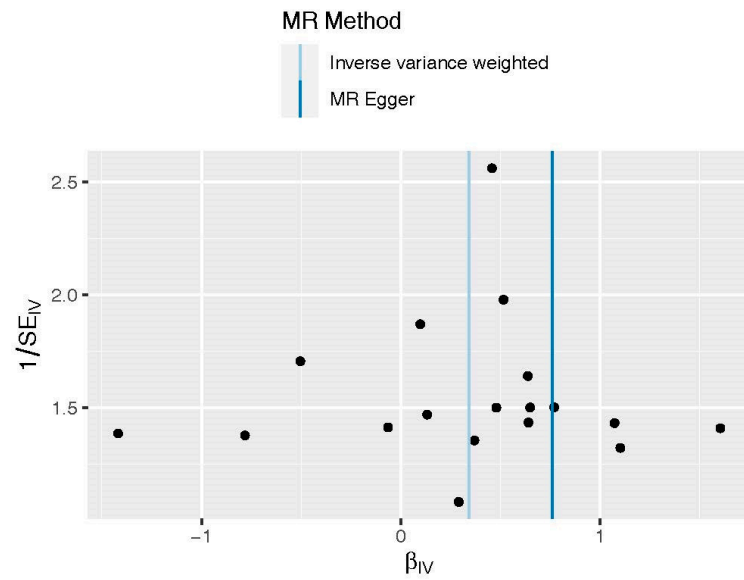


Figure S80. The funnel plot of class Bacilli on renal cell cancer

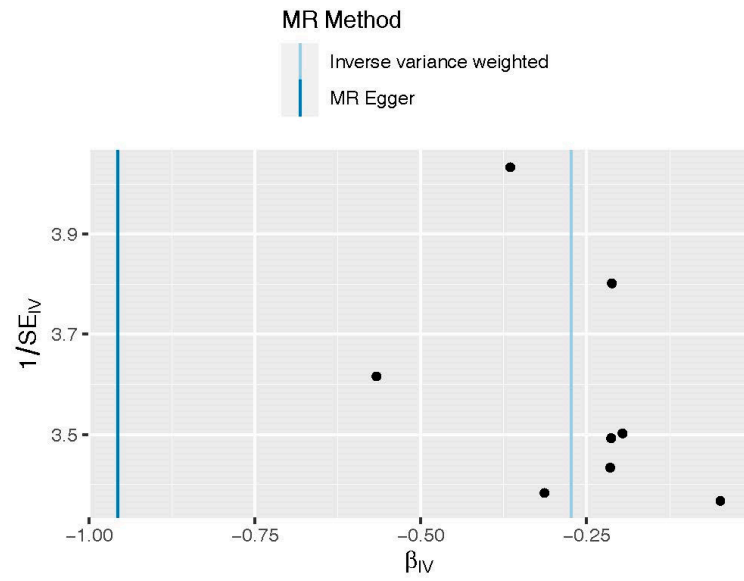


Figure S81. The funnel plot of family FamilyXI on renal cell cancer

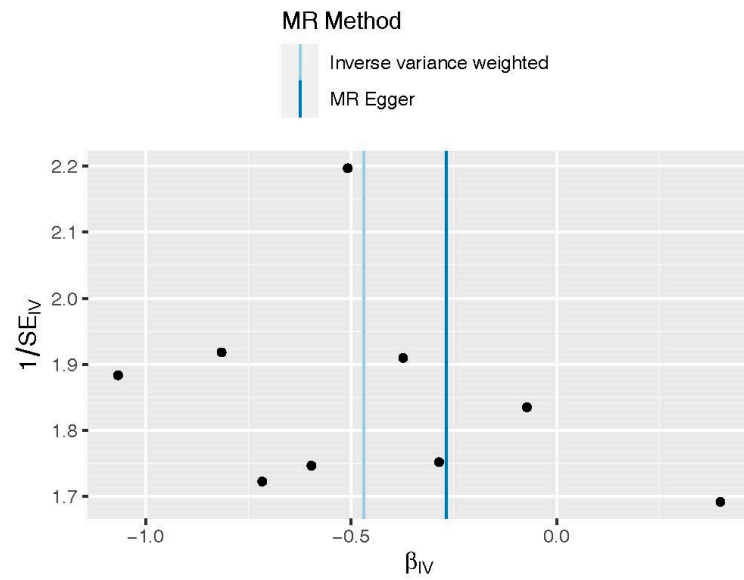


Figure S82. The funnel plot of genus Coprococcus 2 on renal cell cancer

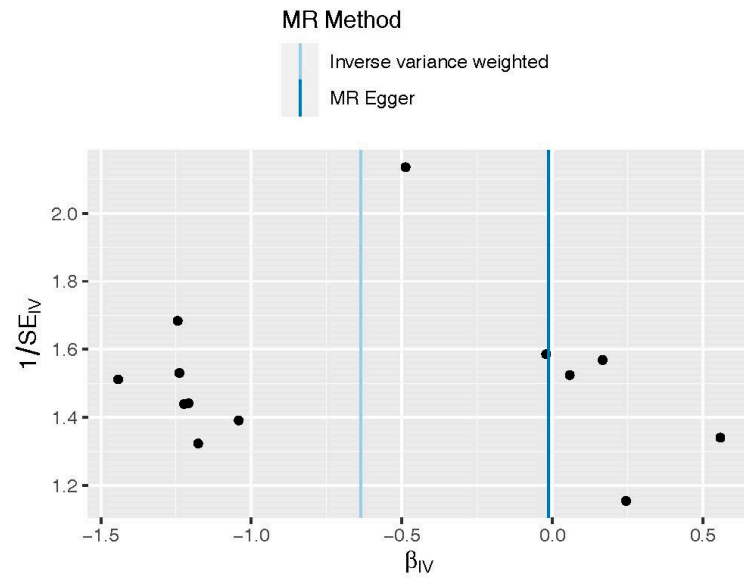


Figure S85. The funnel plot of genus *Lachnospirillum* on renal cell cancer

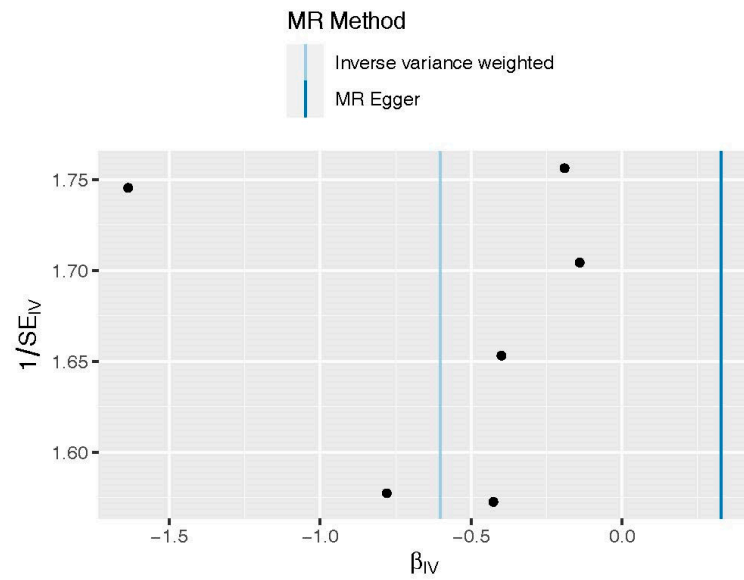


Figure S86. The funnel plot of genus *Lactococcus* on renal cell cancer

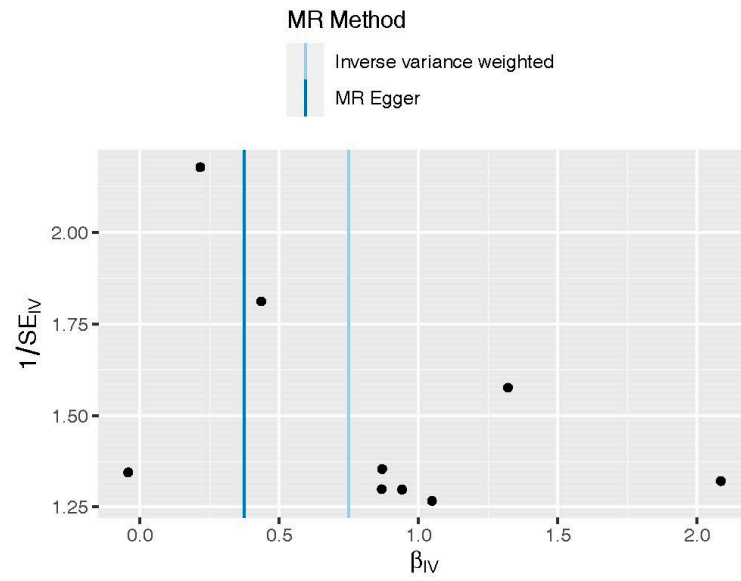


Figure S87. The funnel plot of family Christensenellaceae on renal cell cancer

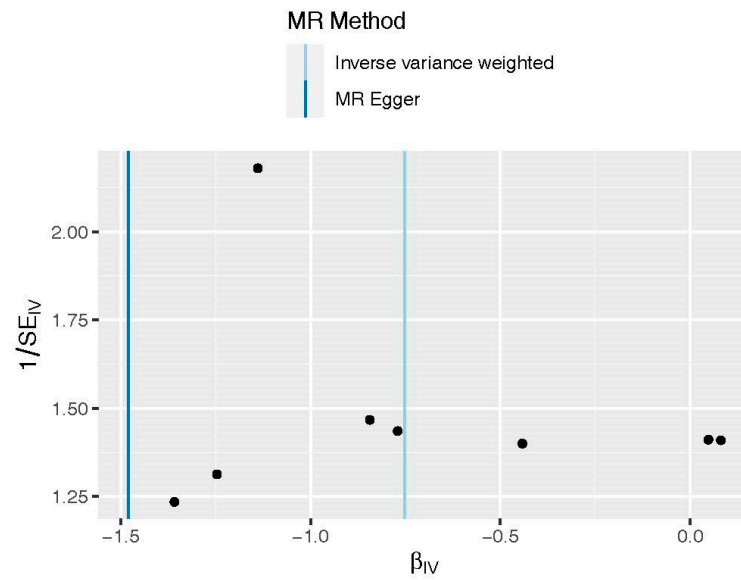


Figure S88. The funnel plot of family Clostridiaceae 1 on renal cell cancer

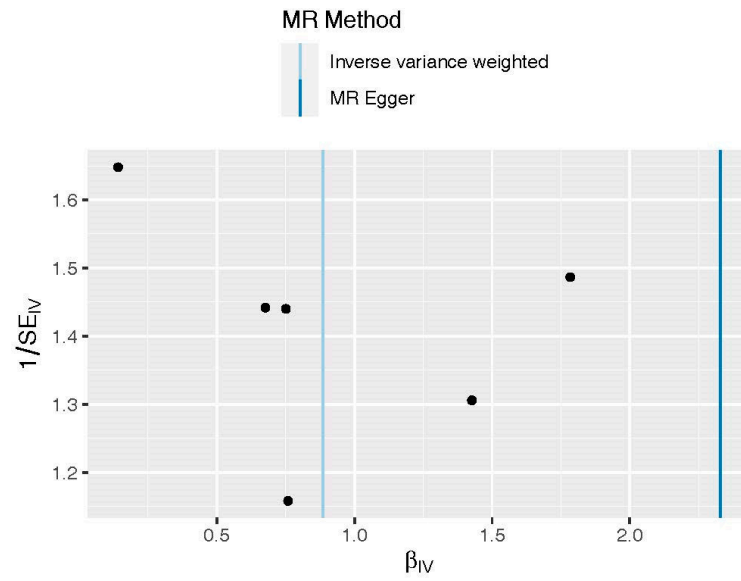


Figure S89. The funnel plot of genus *Eubacterium eligens* group on renal cell cancer

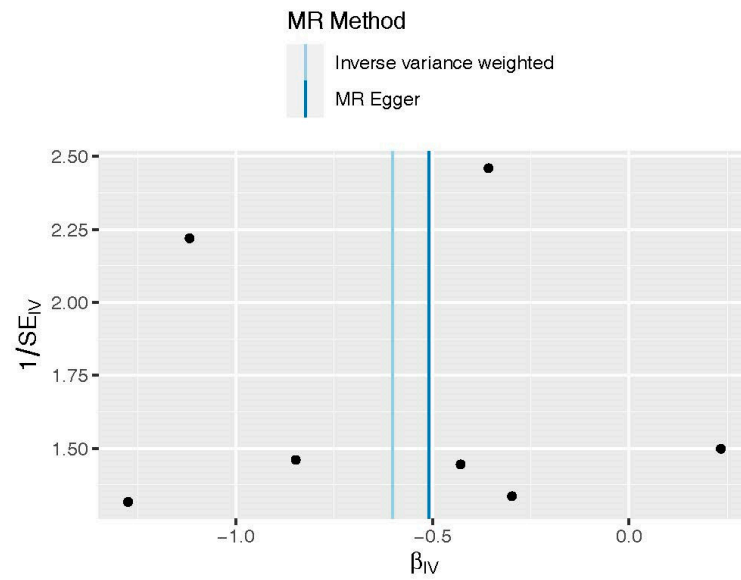


Figure S90. The funnel plot of genus *Clostridium sensu stricto* 1 on renal cell cancer

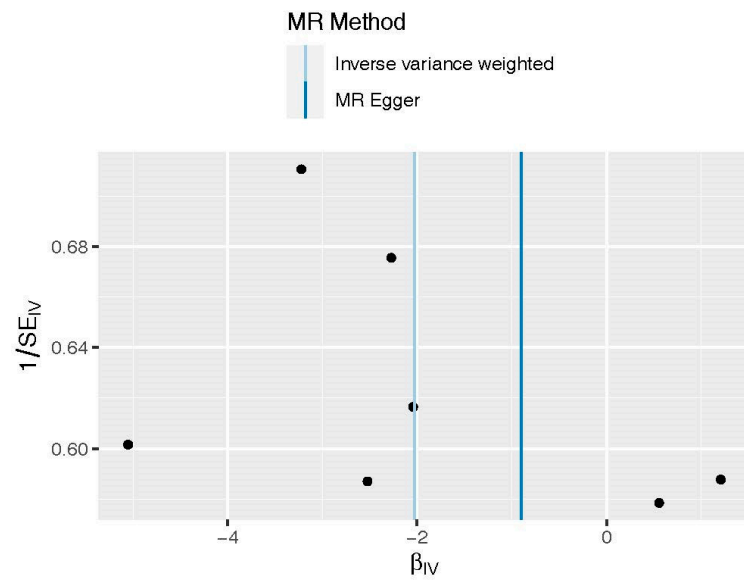


Figure S91. The funnel plot of genus Subdoligranulum on testicular cancer