



● IVW-MRE

● MR-Egger

● Weighted median

● Weighted mode

○ P > 0.05/22

1. Very Small VLDL

2. Small VLDL

3. Medium VLDL

4. Large VLDL

5. Very large VLDL

6. Extremely large VLDL

7. IDL

8. Small LDL

9. Medium LDL

10. Large LDL

11. Small HDL

12. Medium HDL

13. Large HDL

14. Very large HDL

15. Lipoprotein particle size

16. Protein

17. Metabolites ratio

18. Ketone bodies

19. Inflammation

20. Glycolysis related metabolites

21. Glycerides and phospholipids

22. Fluid balance

23. Fatty acids

24. Cholesterol

25. Apolipoproteins

26. Branched-chain amino acids

27. Aromatic amino acids

28. Amino acids