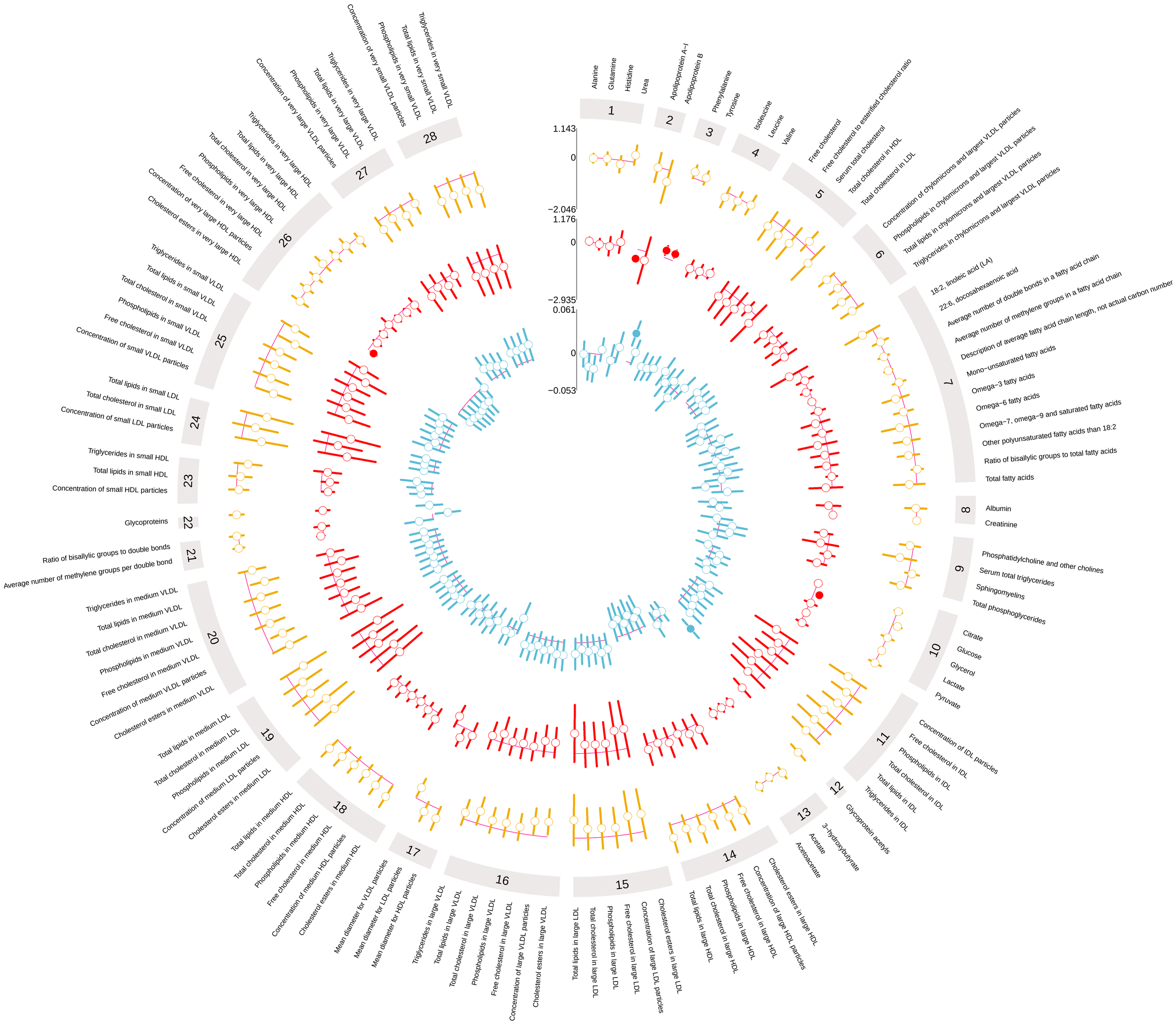
1.143
0
−2.046
1.176
0
−2.935
0.061
0
−0.053
1
Alanine
Glutamine
Histidine
Urea
2
Apolipoprotein A−I
Apolipoprotein B
3
Phenylalanine
Tyrosine
4
Isoleucine
Leucine
Valine
5
Free cholesterol
Free cholesterol to esterified cholesterol ratio
Serum total cholesterol
Total cholesterol in HDL
Total cholesterol in LDL
6
Concentration of chylomicrons and largest VLDL particles
Phospholipids in chylomicrons and largest VLDL particles
Total lipids in chylomicrons and largest VLDL particles
Triglycerides in chylomicrons and largest VLDL particles
7
18:2, linoleic acid (LA)
22:6, docosahexaenoic acid
Average number of double bonds in a fatty acid chain
Average number of methylene groups in a fatty acid chain
Description of average fatty acid chain length, not actual carbon number
Mono−unsaturated fatty acids
Omega−3 fatty acids
Omega−6 fatty acids
Omega−7, omega−9 and saturated fatty acids
Other polyunsaturated fatty acids than 18:2
Ratio of bisallylic groups to total fatty acids
Total fatty acids
8
Albumin
Creatinine
9
Phosphatidylcholine and other cholines
Serum total triglycerides
Sphingomyelins
Total phosphoglycerides
10
Citrate
Glucose
Glycerol
Lactate
Pyruvate
11
Concentration of IDL particles
Free cholesterol in IDL
Phospholipids in IDL
Total cholesterol in IDL
Total lipids in IDL
Triglycerides in IDL
12
Glycoprotein acetyls
13
3−hydroxybutyrate
Acetate
Acetoacetate
14
Cholesterol esters in large HDL
Concentration of large HDL particles
Free cholesterol in large HDL
Phospholipids in large HDL
Total cholesterol in large HDL
Total lipids in large HDL
15
Cholesterol esters in large LDL
Concentration of large LDL particles
Free cholesterol in large LDL
Phospholipids in large LDL
Total cholesterol in large LDL
Total lipids in large LDL
16
Cholesterol esters in large VLDL
Concentration of large VLDL particles
Free cholesterol in large VLDL
Phospholipids in large VLDL
Total cholesterol in large VLDL
Total lipids in large VLDL
Triglycerides in large VLDL
17
Mean diameter for HDL particles
Mean diameter for LDL particles
Mean diameter for VLDL particles
18
Cholesterol esters in medium HDL
Concentration of medium HDL particles
Free cholesterol in medium HDL
Phospholipids in medium HDL
Total cholesterol in medium HDL
Total lipids in medium HDL
19
Cholesterol esters in medium LDL
Concentration of medium LDL particles
Phospholipids in medium LDL
Total cholesterol in medium LDL
Total lipids in medium LDL
20
Cholesterol esters in medium VLDL
Concentration of medium VLDL particles
Free cholesterol in medium VLDL
Phospholipids in medium VLDL
Total cholesterol in medium VLDL
Total lipids in medium VLDL
Triglycerides in medium VLDL
21
Average number of methylene groups per double bond
Ratio of bisallylic groups to double bonds
22
Glycoproteins
23
Concentration of small HDL particles
Total lipids in small HDL
Triglycerides in small HDL
24
Concentration of small LDL particles
Total cholesterol in small LDL
Total lipids in small LDL
25
Concentration of small VLDL particles
Free cholesterol in small VLDL
Phospholipids in small VLDL
Total cholesterol in small VLDL
Total lipids in small VLDL
Triglycerides in small VLDL
26
Cholesterol esters in very large HDL
Concentration of very large HDL particles
Free cholesterol in very large HDL
Phospholipids in very large HDL
Total cholesterol in very large HDL
Total lipids in very large HDL
Triglycerides in very large HDL
27
Concentration of very large VLDL particles
Phospholipids in very large VLDL
Total lipids in very large VLDL
Triglycerides in very large VLDL
28
Concentration of very small VLDL particles
Phospholipids in very small VLDL
Total lipids in very small VLDL
Triglycerides in very small VLDL
BF_Lu_7
BF_Lu_5
BF_Hubel_76
P > 0.05/22
1. Amino acids
2. Apolipoproteins
3. Aromatic amino acids
4. Branched−chain amino acids
5. Cholesterol
6. Extremely large VLDL
7. Fatty acids
8. Fluid balance
9. Glycerides and phospholipids
10. Glycolysis related metabolites
11. IDL
12. Inflammation
13. Ketone bodies
14. Large HDL
15. Large LDL
16. Large VLDL
17. Lipoprotein particle size
18. Medium HDL
19. Medium LDL
20. Medium VLDL
21. Metabolites ratio
22. Protein
23. Small HDL
24. Small LDL
25. Small VLDL
26. Very large HDL
27. Very large VLDL
28. Very Small VLDL