

■ Discovery ■ Replication ■ Combined

### Lipids

22:6, docosahexaenoic acid (A)



### Proteins

Glutamine (B)



Ornithine (C)



Glycoprotein acetyls (D)



### LDL-subfractions

Medium-LDL-triglycerides (E)



Large-LDL-triglycerides (F)



### Total HDL-subfractions

Total cholesterol (G)



Free cholesterol (H)



Phospholipids (I)



### Small HDL-subfractions

Free cholesterol (J)



### Medium HDL-subfractions

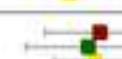
Total cholesterol (K)



Cholesterol esters (L)



Phospholipids (M)



### Large HDL-subfractions

Total cholesterol (N)



Cholesterol esters (O)



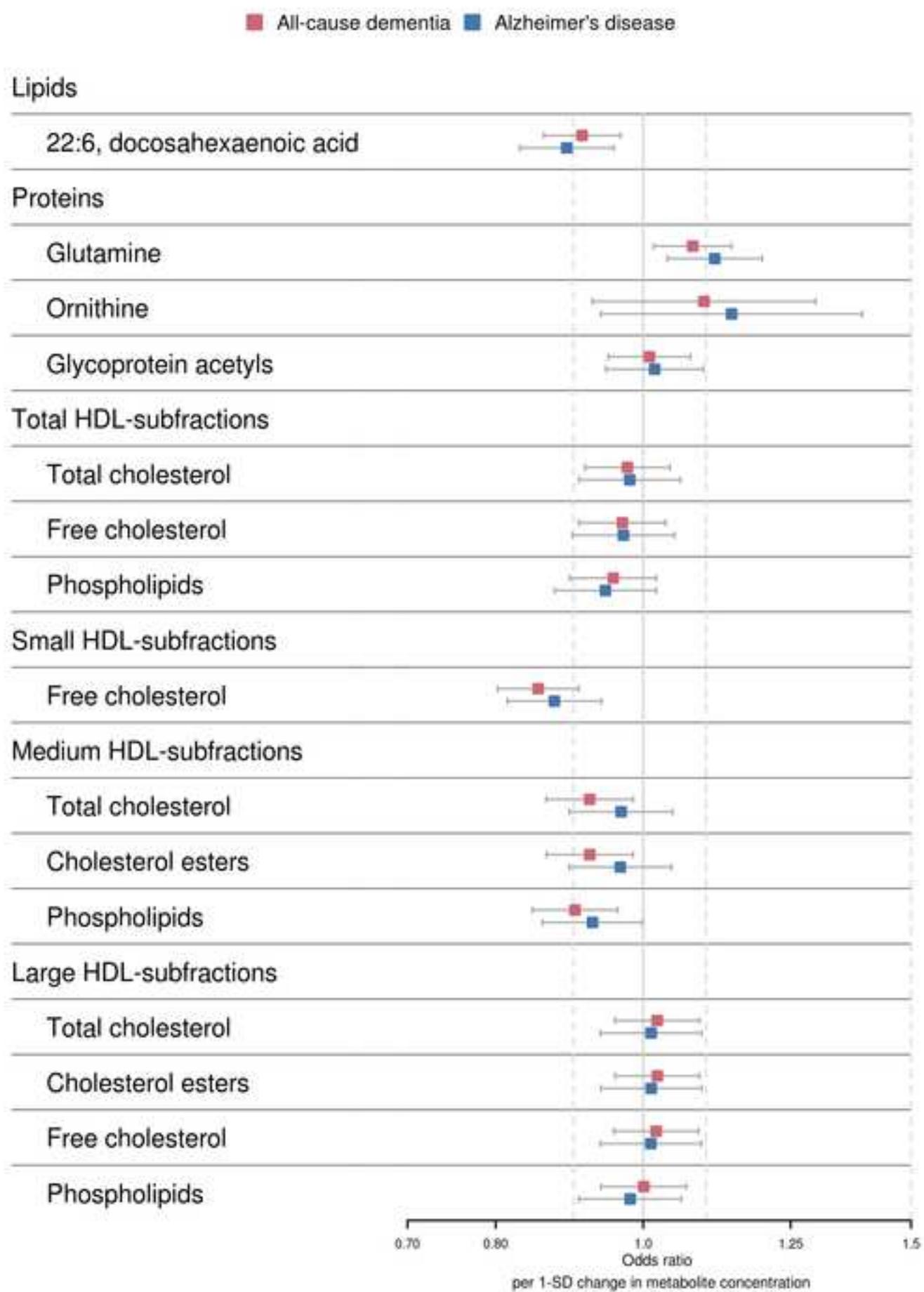
Free cholesterol (P)

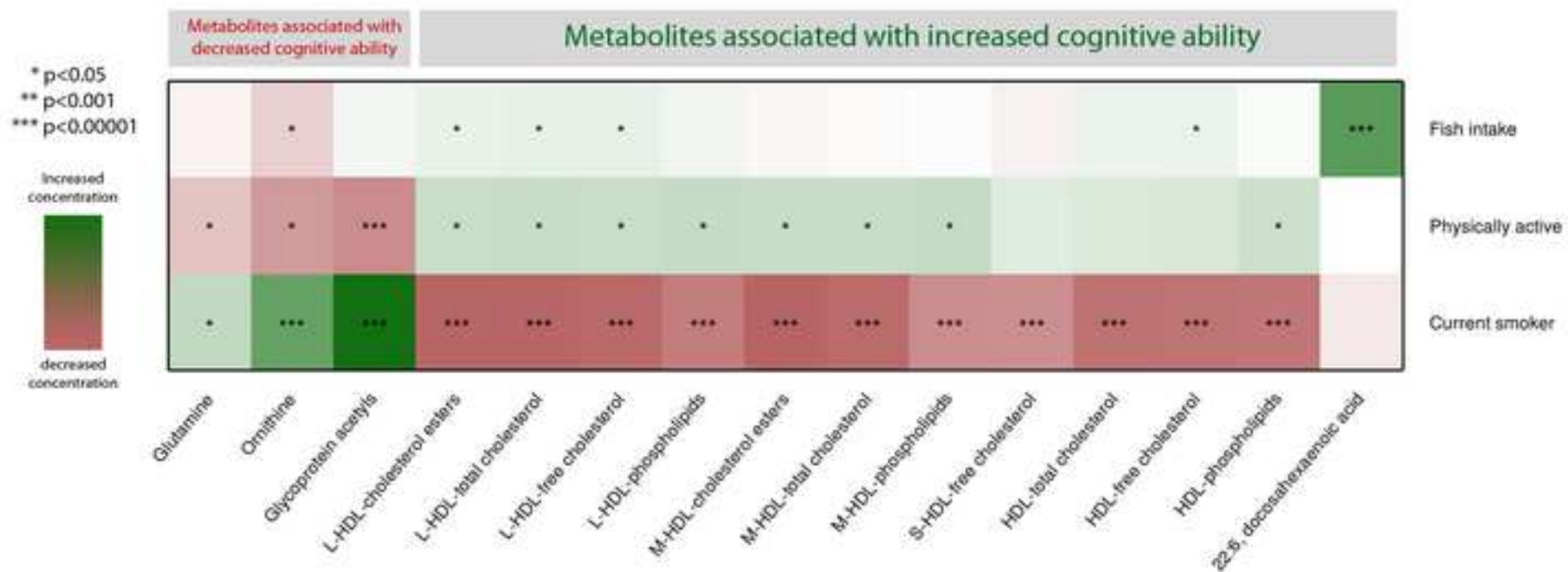


Phospholipids (Q)



-0.15 -0.1 -0.05 0 0.05 0.1 0.15  
SD increase in general cognitive ability per  
1-SD increase metabolite concentration







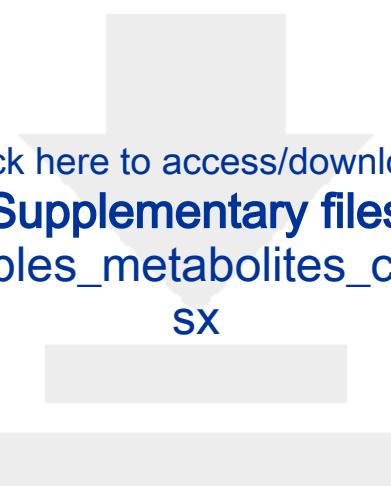
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**Supplementary files**

Supplementary\_tables\_metabolites\_cognition\_revised.xls  
SX