

Figure 2A

### INFORMATION STORAGE AND PROCESSING

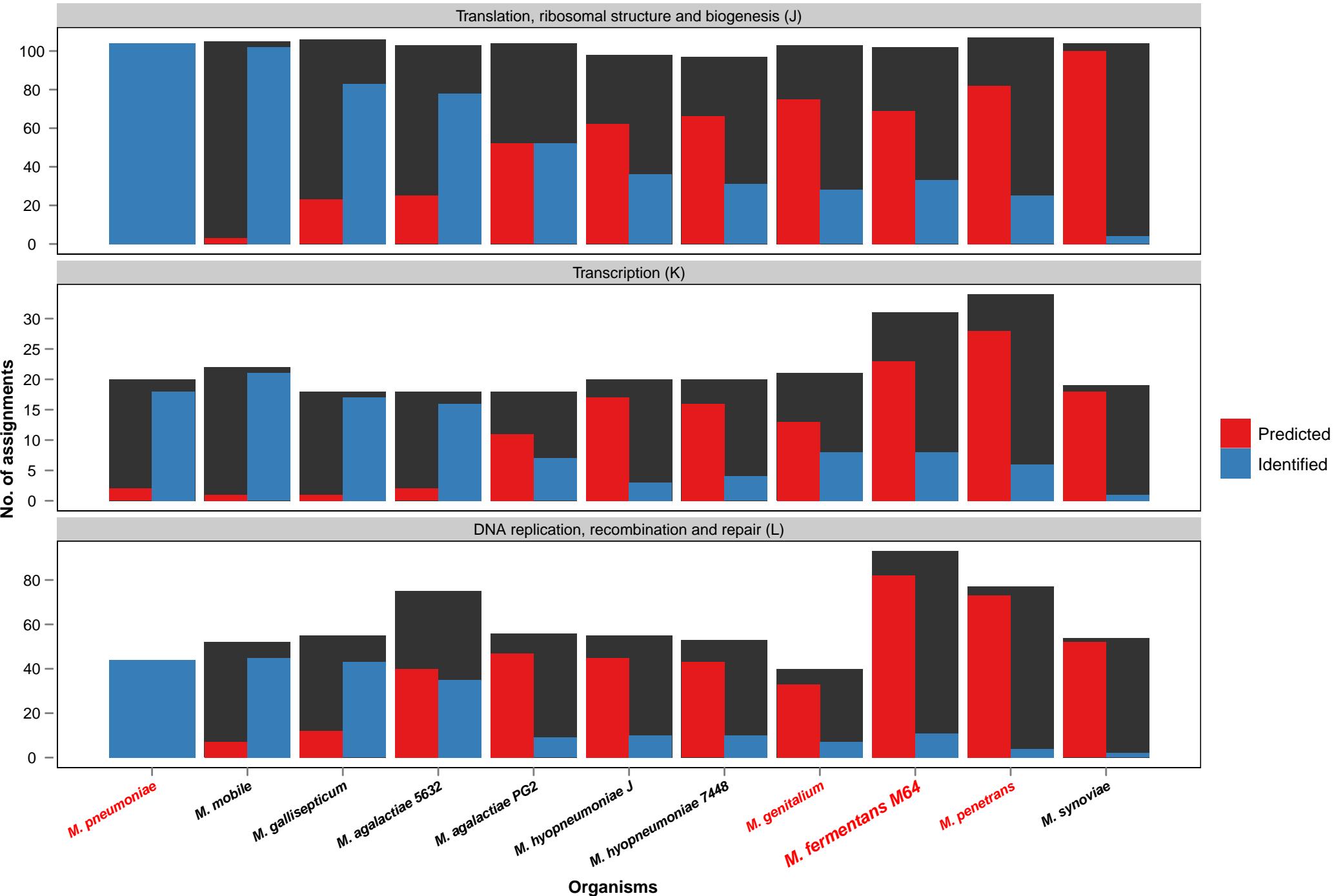
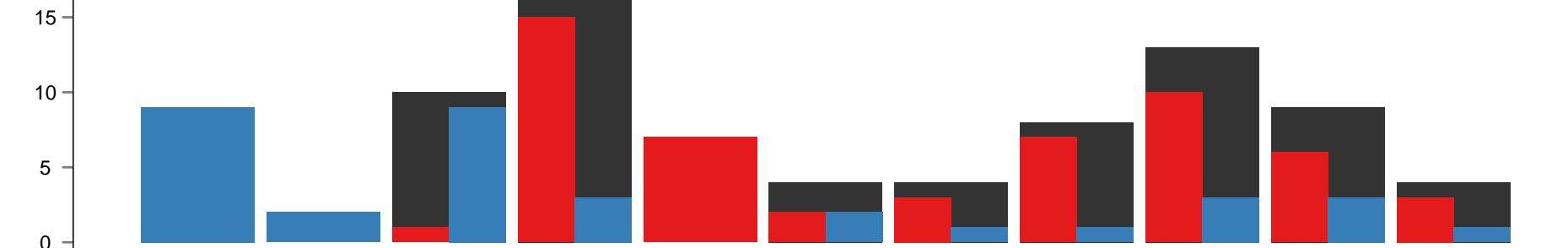


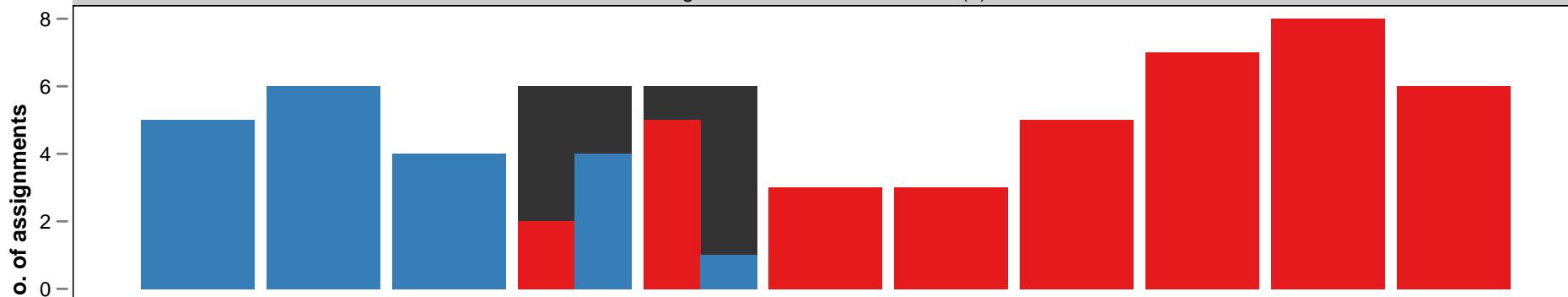
Figure 2B

### CELLULAR PROCESSES (1)

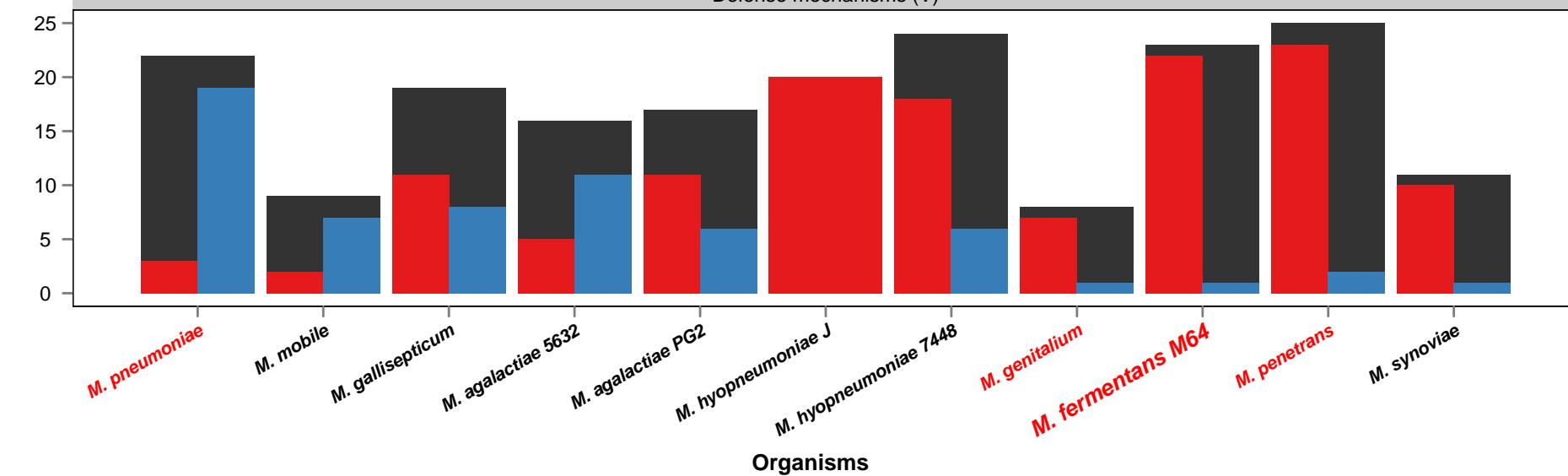
Cell division and chromosome partitioning (D)



Signal transduction mechanisms (T)



Defense mechanisms (V)



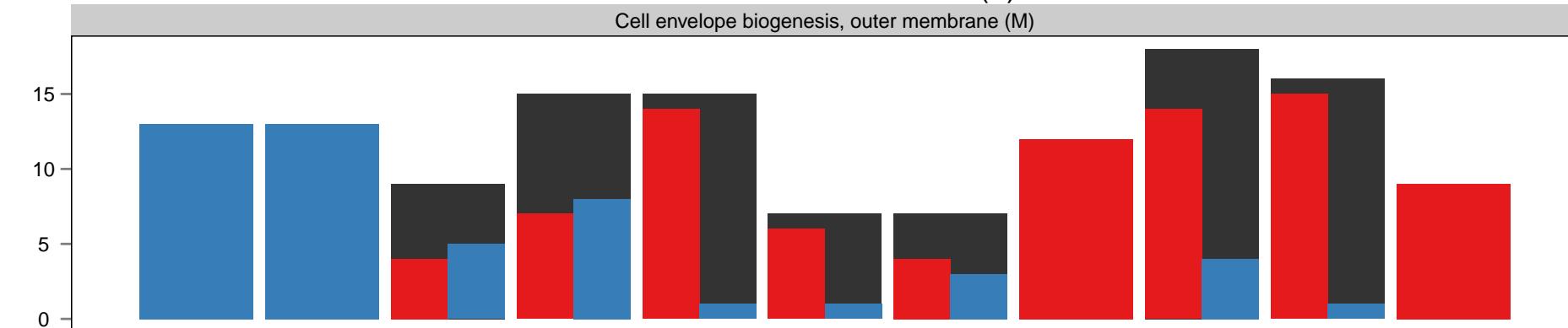
Organisms

Predicted  
Identified

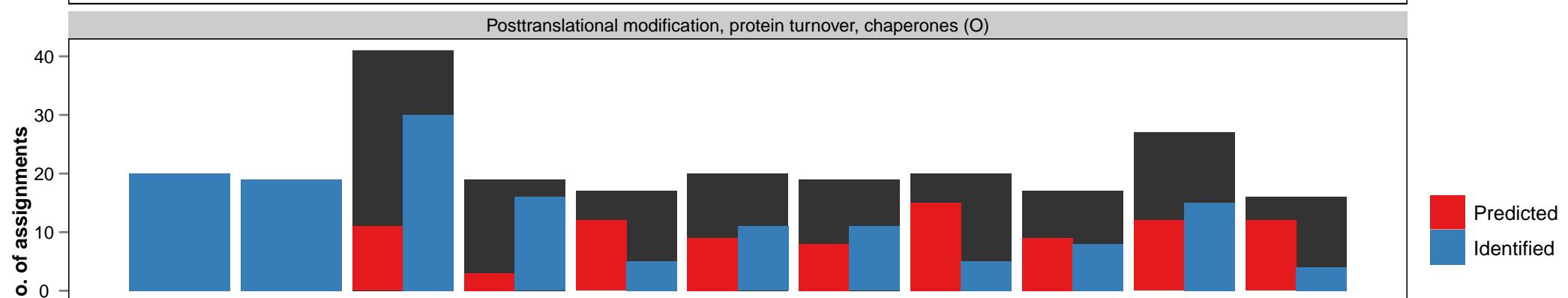
Figure 2C

### CELLULAR PROCESSES (2)

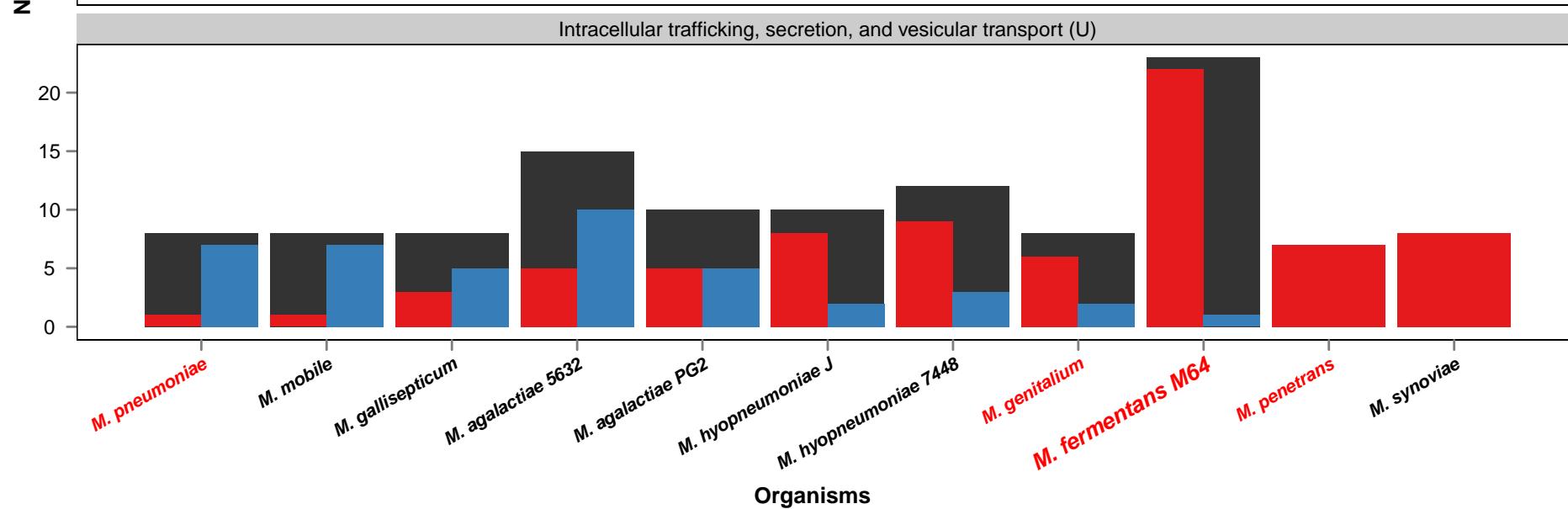
Cell envelope biogenesis, outer membrane (M)



Posttranslational modification, protein turnover, chaperones (O)



Intracellular trafficking, secretion, and vesicular transport (U)



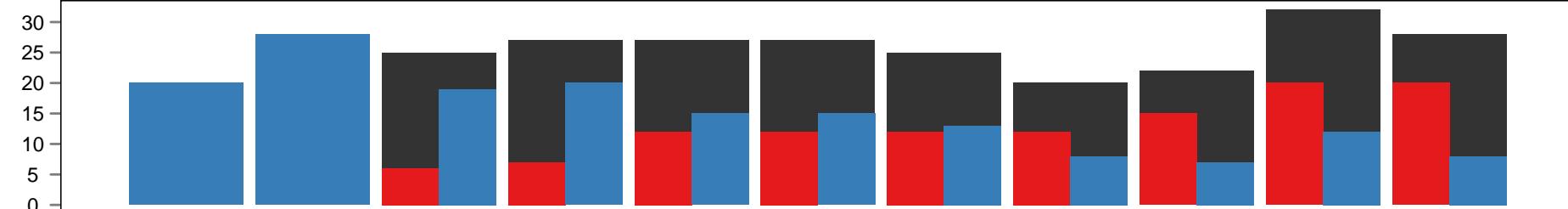
Organisms

Predicted  
Identified

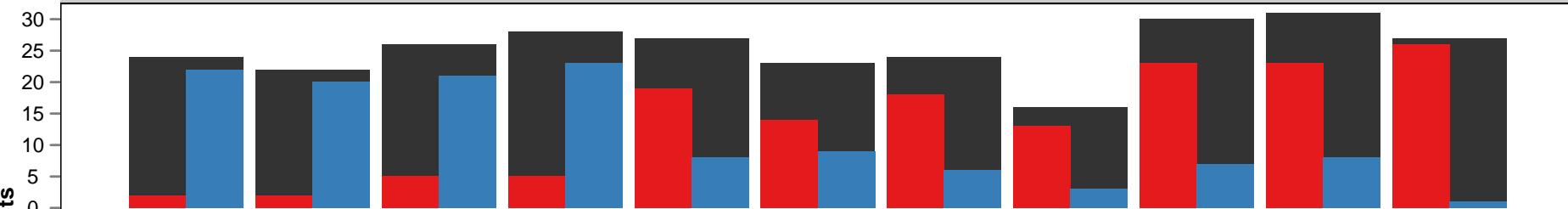
Figure 2D

### METABOLISM (1)

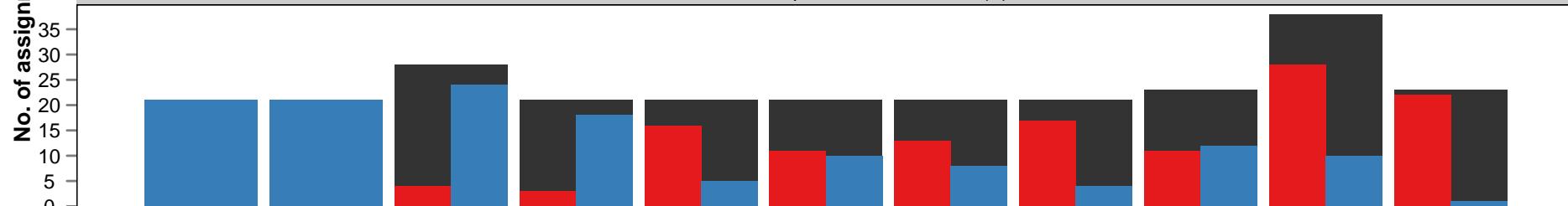
Energy production and conversion (C)



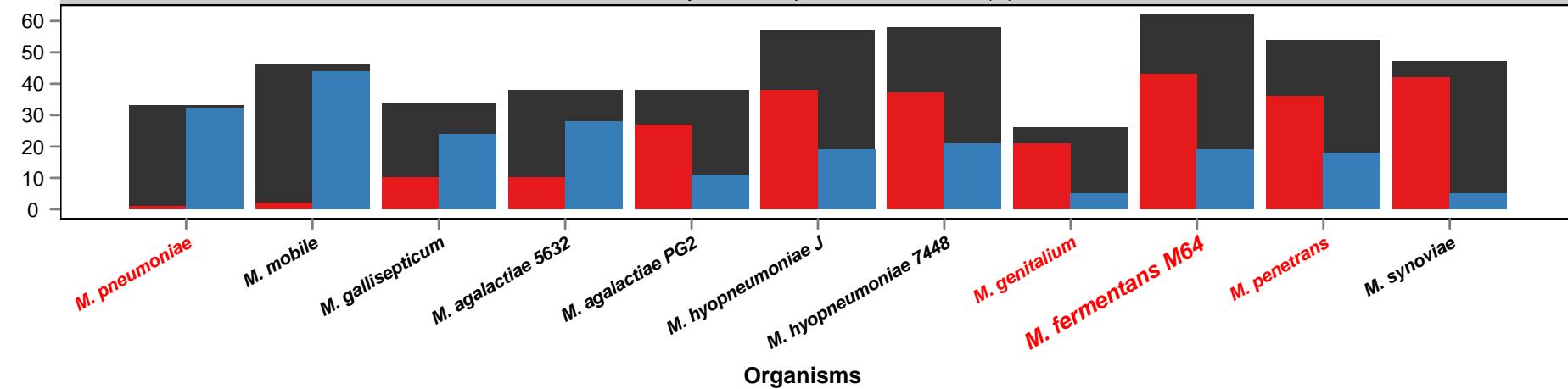
Nucleotide transport and metabolism (F)



Amino acid transport and metabolism (E)



Carbohydrate transport and metabolism (G)

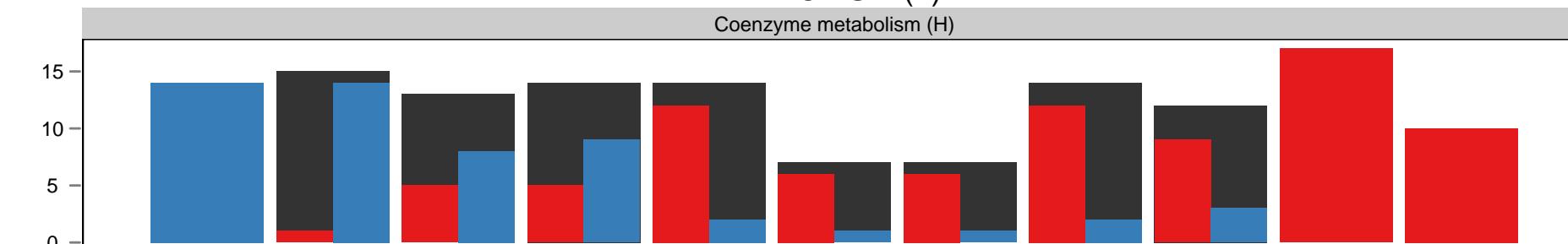


Predicted  
Identified

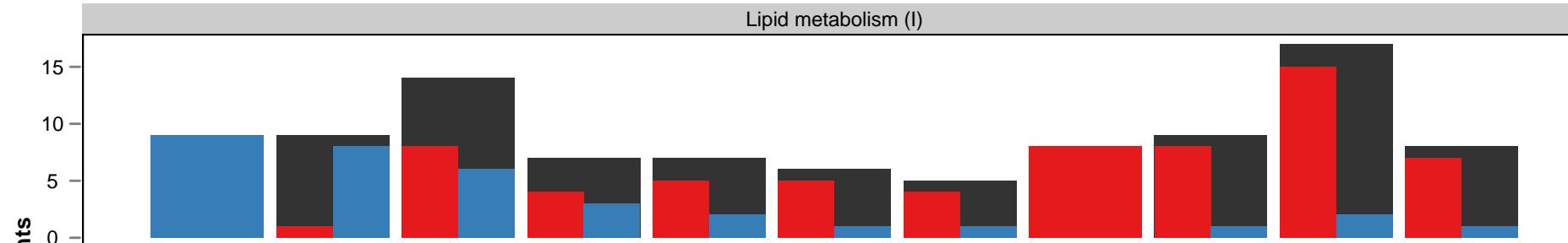
Figure 2E

### METABOLISM (2)

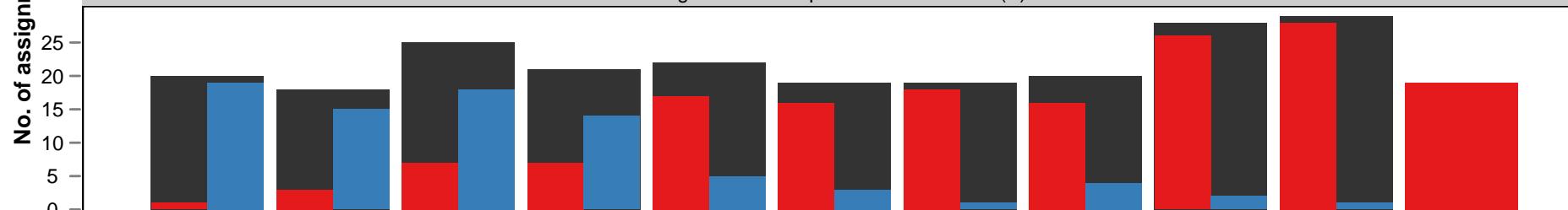
Coenzyme metabolism (H)



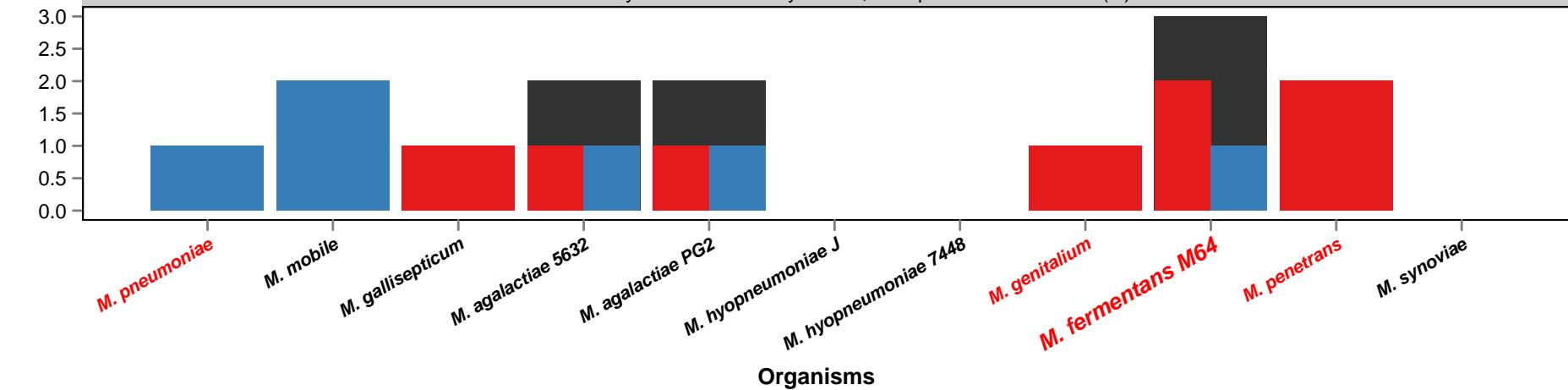
Lipid metabolism (I)



Inorganic ion transport and metabolism (P)



Secondary metabolites biosynthesis, transport and catabolism (Q)



Organisms

Predicted  
Identified

Figure 2F

