

O : Posttranslational modification, protein turnover, chaperones  
 C : Energy production and conversion  
 S : Function unknown  
 J : Translation, ribosomal structure and biogenesis  
 T : Signal transduction mechanisms  
 F : Nucleotide transport and metabolism  
 K : Transcription  
 W : Extracellular structures  
 H : Coenzyme transport and metabolism  
 E : Amino acid transport and metabolism  
 U : Intracellular trafficking, secretion, and vesicular transport  
 P : Inorganic ion transport and metabolism  
 D : Cell cycle control, cell division, chromosome partitioning  
 Z : Cytoskeleton  
 Q : Secondary metabolites biosynthesis, transport and catabolism  
 M : Cell wall/membrane/envelope biogenesis  
 G : Carbohydrate transport and metabolism  
 L : Replication, recombination and repair  
 V : Defense mechanisms  
 I : Lipid transport and metabolism  
 N : Cell motility

