

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



Decrease Increase