

O : Posttranslational modification, protein turnover, chaperones

J : Translation, ribosomal structure and biogenesis

N : Cell motility

S : Function unknown

C : Energy production and conversion

M : Cell wall/membrane/envelope biogenesis

G : Carbohydrate transport and metabolism

L : Replication, recombination and repair

K : Transcription

F : Nucleotide transport and metabolism

U : Intracellular trafficking, secretion, and vesicular transport

D : Cell cycle control, cell division, chromosome partitioning

T : Signal transduction mechanisms

H : Coenzyme transport and metabolism

E : Amino acid transport and metabolism

A : RNA processing and modification

W : Extracellular structures

V : Defense mechanisms

Q : Secondary metabolites biosynthesis, transport and catabolism

P : Inorganic ion transport and metabolism

B : Chromatin structure and dynamics

Z : Cytoskeleton

I : Lipid transport and metabolism

