COG function classification

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