

Number of OGs involved in a GC-OG association

100

10

1

1e+01

1e+03

1e+04

Total number of OGs

Translation, ribosomal  
structure and biogenesis

Nucleotide transport and  
metabolism

Amino acid transport and  
metabolism

Cytoskeleton

Carbohydrate transport and  
metabolism

Energy production and  
conversion

Signal transduction mechanisms

Lipid transport and metabolism

Inorganic ion transport and  
metabolism

Defense mechanisms

Posttranslational  
modification, protein  
turnover, chaperones

Cell wall/membrane/envelope  
biogenesis

Intracellular trafficking,  
secretion, and vesicular  
transport

Transcription

Replication, recombination and  
repair

Function unknown

