

UMAP 1

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Translation, ribosomal structure and biogenesis!!!Translation, ribosomal structure and biogenesis!!!General function prediction only
  ranslation, ribosomal structure and biogenesis!!!Translation, ribosomal structure and biogenesis
  Franslation, ribosomal structure and biogenesis!!!Transcription
  Franslation, ribosomal structure and biogenesis!!!Replication, recombination and repair!!!Transcription
  Franslation, ribosomal structure and biogenesis!!!Posttranslational modification, protein turnover, chaperones
  Translation, ribosomal structure and biogenesis!!!Lipid transport and metabolism
   ranslation, ribosomal structure and biogenesis!!!General function prediction only
   ranslation, ribosomal structure and biogenesis!!!Coenzyme transport and metabolism!!!Posttranslational modification, protein turnover, chaperones!!!Inorganic ion transport and metabolism!!!Energy production and conversion
  ranslation, ribosomal structure and biogenesis!!!Coenzyme transport and metabolism!!!Posttranslational modification, protein turnover, chaperones
  Franslation, ribosomal structure and biogenesis
  ranscription!!!Translation, ribosomal structure and biogenesis
  Franscription!!!Transcription!!!Defense mechanisms
  Transcription!!!Transcription
  Franscription!!!Signal transduction mechanisms!!!Signal transduction mechanisms
  Franscription!!!Signal transduction mechanisms
  ranscription!!!Replication, recombination and repair!!!Function unknown
  Franscription!!!Replication, recombination and repair
   ranscription!!!Mobilome: prophages, transposons
  Franscription!!!General function prediction only
  Transcription!!!Defense mechanisms
  Franscription!!!Amino acid transport and metabolism
  Franscription
   Signal transduction mechanisms!!!Translation, ribosomal structure and biogenesis
  Signal transduction mechanisms!!!Transcription
   ignal transduction mechanisms!!!Signal transduction mechanisms!!!Transcription
  Signal transduction mechanisms!!!Signal transduction mechanisms!!!Signal transduction mechanisms
   Signal transduction mechanisms!!!Signal transduction mechanisms!!!Lipid transport and metabolism!!!Signal transduction mechanisms
  Signal transduction mechanisms!!!Signal transduction mechanisms!!!Amino acid transport and metabolism!!!Signal transduction mechanisms
  Signal transduction mechanisms!!!Signal transduction mechanisms
   Signal transduction mechanisms!!!General function prediction only
  Signal transduction mechanisms!!!Cell wall/membrane/envelope biogenesis
 Signal transduction mechanisms!!!Carbohydrate transport and metabolism
  Signal transduction mechanisms!!!Amino acid transport and metabolism
  Signal transduction mechanisms
 Secondary metabolites biosynthesis, transport and catabolism!!!Secondary metabolites biosynthesis, transport and catabolism
 Secondary metabolites biosynthesis, transport and catabolism
 Replication, recombination and repair!!!Transcription
 Replication, recombination and repair!!!Replication, recombination and repair
 Replication, recombination and repair!!!Intracellular trafficking, secretion, and vesicular transport
Replication, recombination and repair
Posttranslational modification, protein turnover, chaperones!!!Transcription
 Posttranslational modification, protein turnover, chaperones!!!Posttranslational modification, protein turnover, chaperones
Posttranslational modification, protein turnover, chaperones
Nucleotide transport and metabolism!!!Translation, ribosomal structure and biogenesis
Nucleotide transport and metabolism!!!Signal transduction mechanisms
Nucleotide transport and metabolism!!!Nucleotide transport and metabolism
Nucleotide transport and metabolism!!!General function prediction only
Nucleotide transport and metabolism!!!Defense mechanisms
Nucleotide transport and metabolism
Mobilome: prophages, transposons
Lipid transport and metabolism!!!Secondary metabolites biosynthesis, transport and catabolism
Lipid transport and metabolism!!!Nucleotide transport and metabolism
Lipid transport and metabolism!!!General function prediction only
 Lipid transport and metabolism!!!Function unknown
Lipid transport and metabolism!!!Energy production and conversion
 Lipid transport and metabolism
Intracellular trafficking, secretion, and vesicular transport!!!Mobilome: prophages, transposons!!!General function prediction only
Intracellular trafficking, secretion, and vesicular transport!!!Intracellular trafficking, secretion, and vesicular transport
Intracellular trafficking, secretion, and vesicular transport
Inorganic ion transport and metabolism!!!Signal transduction mechanisms!!!Amino acid transport and metabolism
Inorganic ion transport and metabolism!!!Signal transduction mechanisms
Inorganic ion transport and metabolism!!!Intracellular trafficking, secretion, and vesicular transport
Inorganic ion transport and metabolism!!!Inorganic ion transport and metabolism
Inorganic ion transport and metabolism!!!General function prediction only
Inorganic ion transport and metabolism!!!Coenzyme transport and metabolism
Inorganic ion transport and metabolism
General function prediction only!!!Transcription
General function prediction only!!!Signal transduction mechanisms!!!General function prediction only General function prediction only!!!Secondary metabolites biosynthesis, transport and catabolism
General function prediction only!!!Function unknown
General function prediction only!!!Energy production and conversion
General function prediction only
Function unknown!!!Function unknown
Function unknown
Energy production and conversion!!!Inorganic ion transport and metabolism

Energy production and conversion!!!Energy production and conversion!!!
Energy production and conversion!!!Energy production and conversion!!!Energy production and conversion
Energy production and conversion!!!Energy production and conversion
Energy production and conversion!!!Coenzyme transport and metabolism!!!General function prediction only Energy production and conversion!!!Amino acid transport and metabolism
 Energy production and conversion
 Defense mechanisms!!!Transcription
 Defense mechanisms!!!Signal transduction mechanisms
 Defense mechanisms!!!Lipid transport and metabolism
 Defense mechanisms!!!Cell wall/membrane/envelope biogenesis
 Defense mechanisms
  Coenzyme transport and metabolism!!!Translation, ribosomal structure and biogenesis
Coenzyme transport and metabolism!!!Transcription
 Coenzyme transport and metabolism!!!Signal transduction mechanisms
 Coenzyme transport and metabolism!!!Nucleotide transport and metabolism
Coenzyme transport and metabolism!!!Lipid transport and metabolism
Coenzyme transport and metabolism!!!Inorganic ion transport and metabolism!!!Coenzyme transport and metabolism
 Coenzyme transport and metabolism!!!Inorganic ion transport and metabolism
 Coenzyme transport and metabolism!!!General function prediction only!!!Function unknown
Coenzyme transport and metabolism!!!General function prediction only
Coenzyme transport and metabolism!!!Energy production and conversion
Coenzyme transport and metabolism!!!Coenzyme transport and metabolism Coenzyme transport and metabolism!!!Amino acid transport and metabolism
 Coenzyme transport and metabolism
Cell wall/membrane/envelope biogenesis!!!Posttranslational modification, protein turnover, chaperones!!!Cell wall/membrane/envelope biogenesis
 Cell wall/membrane/envelope biogenesis!!!Posttranslational modification, protein turnover, chaperones
 Cell wall/membrane/envelope biogenesis!!!Mobilome: prophages, transposons
Cell wall/membrane/envelope biogenesis!!!Lipid transport and metabolism
Cell wall/membrane/envelope biogenesis!!!Intracellular trafficking, secretion, and vesicular transport
Cell wall/membrane/envelope biogenesis!!!General function prediction only
Cell wall/membrane/envelope biogenesis!!!Function unknown
Cell wall/membrane/envelope biogenesis!!!Defense mechanisms
 Cell wall/membrane/envelope biogenesis!!!Cell wall/membrane/envelope biogenesis!!!Lipid transport and metabolism
 Cell wall/membrane/envelope biogenesis!!!Cell wall/membrane/envelope biogenesis
 Cell wall/membrane/envelope biogenesis!!!Cell cycle control, cell division, chromosome partitioning!!!Signal transduction mechanisms
Cell wall/membrane/envelope biogenesis
Cell motility!!!Intracellular trafficking, secretion, and vesicular transport!!!Extracellular structures Cell motility!!!Intracellular trafficking, secretion, and vesicular transport
 Cell motility!!!Extracellular structures
 Cell cycle control, cell division, chromosome partitioning!!!Transcription
 Cell cycle control, cell division, chromosome partitioning!!!Signal transduction mechanisms
 Cell cycle control, cell division, chromosome partitioning!!!Secondary metabolites biosynthesis, transport and catabolism
 Cell cycle control, cell division, chromosome partitioning!!!Replication, recombination and repair
 Cell cycle control, cell division, chromosome partitioning!!!Posttranslational modification, protein turnover, chaperones
 Cell cycle control, cell division, chromosome partitioning!!!Lipid transport and metabolism
 Cell cycle control, cell division, chromosome partitioning!!!General function prediction only
Cell cycle control, cell division, chromosome partitioning!!!Coenzyme transport and metabolism

Cell cycle control, cell division, chromosome partitioning!!!Coenzyme transport and metabolism

Cell cycle control, cell division, chromosome partitioning!!!Cell wall/membrane/envelope biogenesis!!!Cell wall/membrane/envelope biogenesis

Cell cycle control, cell division, chromosome partitioning!!!Cell wall/membrane/envelope biogenesis
 Cell cycle control, cell division, chromosome partitioning!!!Cell motility
 Cell cycle control, cell division, chromosome partitioning!!!Amino acid transport and metabolism
 Cell cycle control, cell division, chromosome partitioning
 Carbohydrate transport and metabolism!!!Transcription!!!Transcription
 Carbohydrate transport and metabolism!!!Transcription
 Carbohydrate transport and metabolism!!!General function prediction only
 Carbohydrate transport and metabolism!!!Cell wall/membrane/envelope biogenesis
 Carbohydrate transport and metabolism!!!Carbohydrate transport and metabolism
Carbohydrate transport and metabolism!!!Amino acid transport and metabolism!!!General function prediction only
 Carbohydrate transport and metabolism
Amino acid transport and metabolism!!!Signal transduction mechanisms!!!Signal transduction mechanisms
 Amino acid transport and metabolism!!!Signal transduction mechanisms
 Amino acid transport and metabolism!!!Nucleotide transport and metabolism
 Amino acid transport and metabolism!!!General function prediction only
 Amino acid transport and metabolism!!!Coenzyme transport and metabolism
  Amino acid transport and metabolism!!!Cell wall/membrane/envelope biogenesis
 Amino acid transport and metabolism!!!Carbohydrate transport and metabolism
 Amino acid transport and metabolism!!!Amino acid transport and metabolism
  Amino acid transport and metabolism
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