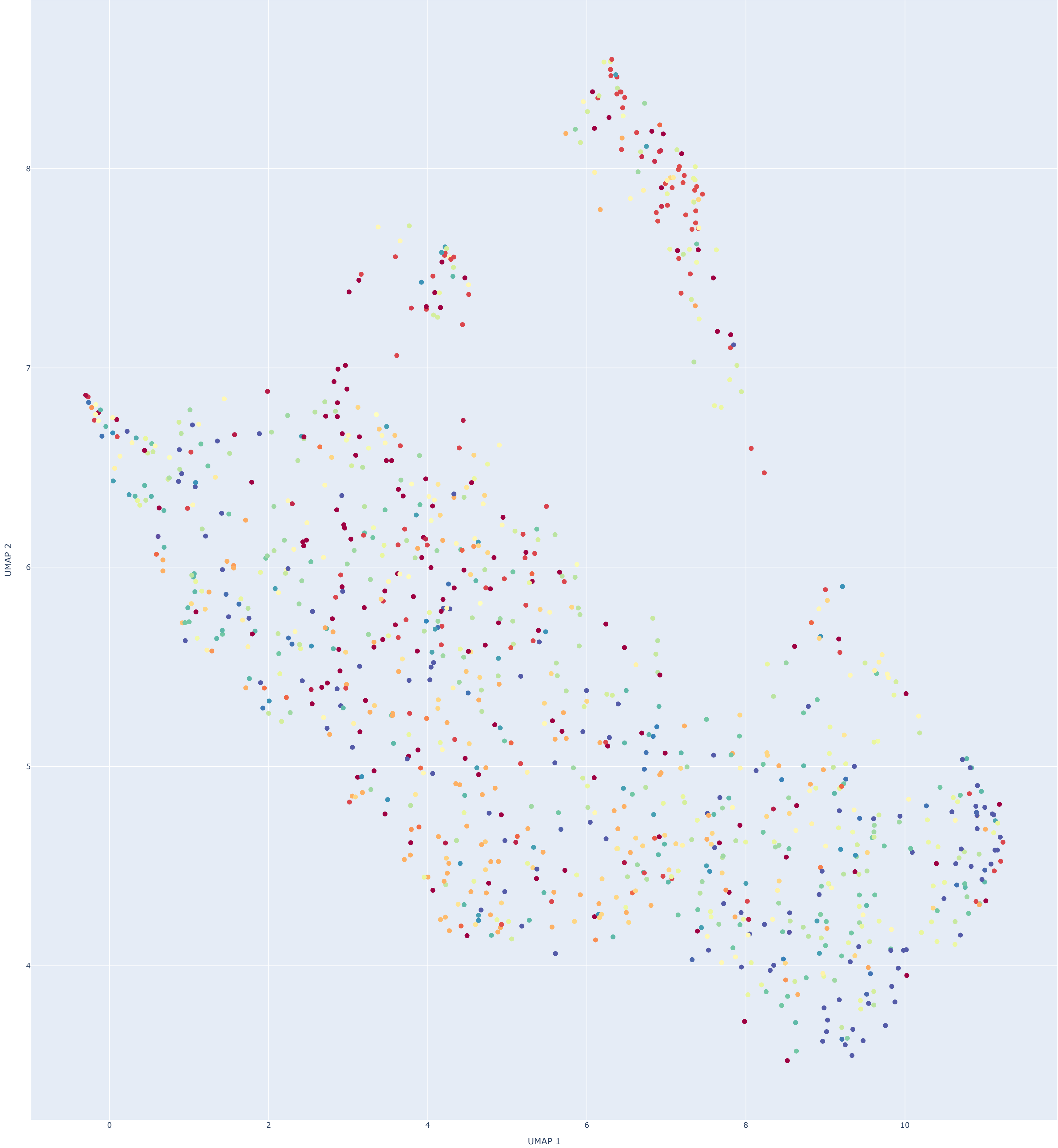


UMAP of GCA\_902601895\_1, source:COG20\_CATEGORY



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