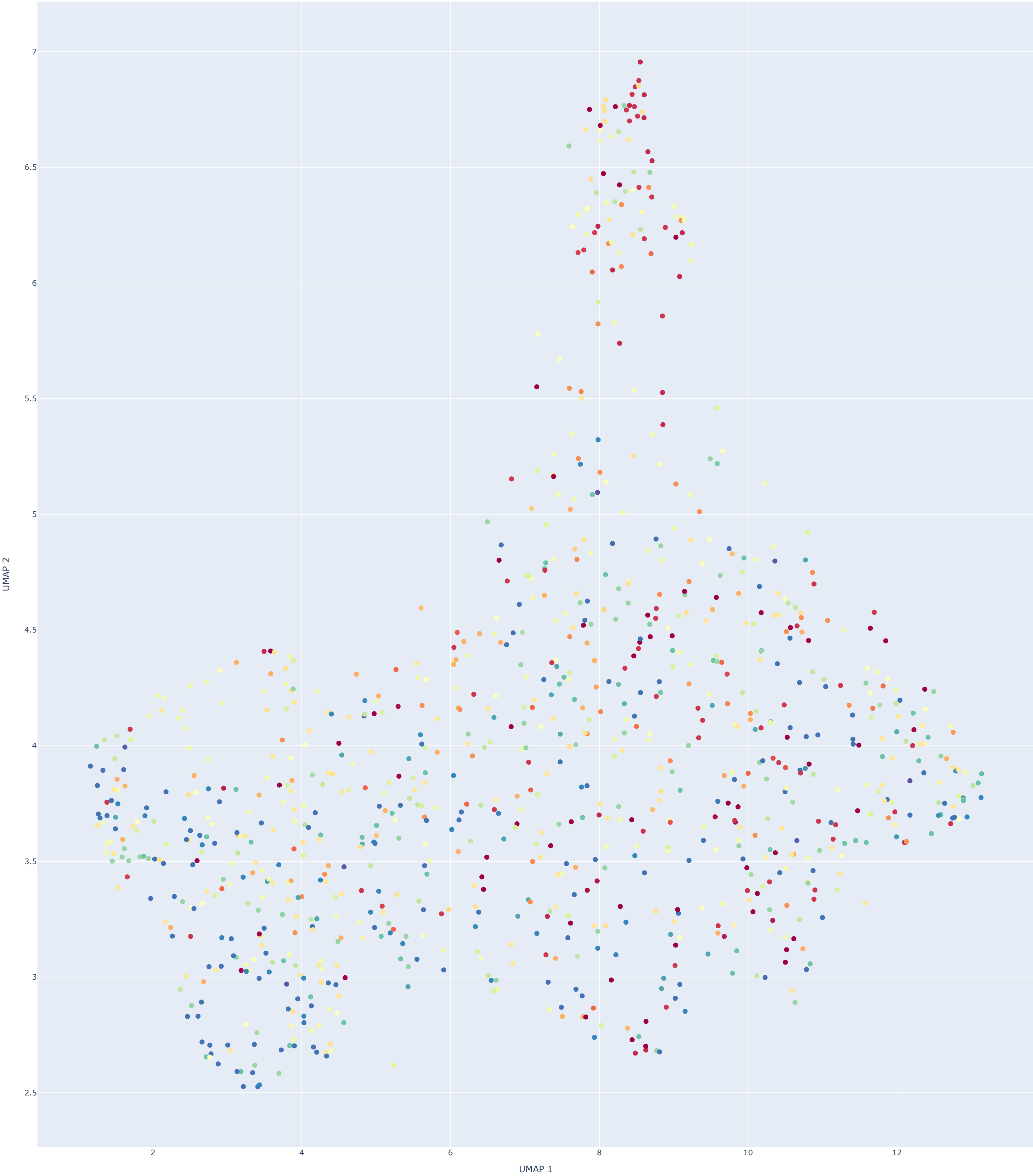


UMAP of GCA_023255835_1, source:COG20_CATEGORY



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