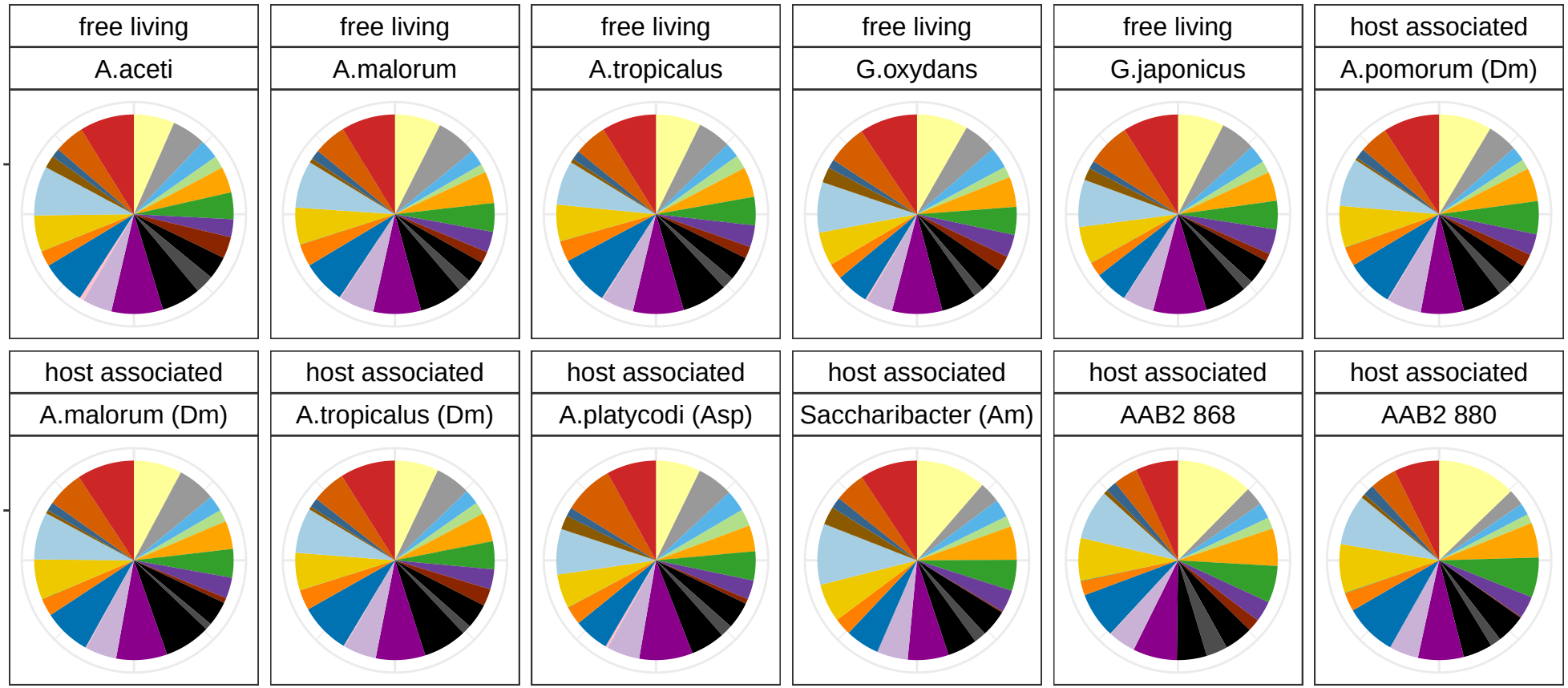

- Translation, ribosomal structure and biogenesis
- Transcription
- Signal transduction mechanisms
- Secondary metabolites biosynthesis, transport and catabolism
- Replication, recombination and repair
- Posttranslational modification, protein turnover, chaperones
- Nucleotide transport and metabolism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

COG