

paste(phylum, class, sep = ";")

- Actinobacteriota;Acidimicrobiia
- Actinobacteriota;Actinobacteria
- Actinobacteriota;Coriobacteriia
- Actinobacteriota;Thermoleophilia
- Actinobacteriota;UBA9087
- Bacteroidota;Bacteroidia
- Bacteroidota;Chlorobia
- Bacteroidota;Ignavibacteria
- Bacteroidota;Kryptonia
- Bacteroidota;Rhodothermia
- Bacteroidota;UBA10030
- Cyanobacteria;Cyanobacteriia
- Cyanobacteria;Vampirovibrionia
- Firmicutes;Bacilli
- Patescibacteria;ABY1
- Patescibacteria;Dojkabacteria
- Patescibacteria;Doudnabacteria
- Patescibacteria;Gracilibacteria
- Patescibacteria;Microgenomatia
- Patescibacteria;Paceibacteria
- Patescibacteria;Paceibacteria_A
- Patescibacteria;Saccharimonadia
- Patescibacteria;UBA1384
- Patescibacteria;WWE3
- Proteobacteria;Alphaproteobacteria
- Proteobacteria;Gammaproteobacteria
- Proteobacteria;Zetaproteobacteria

set

- freshwater MAGs
- gtdb

nb_genomes

- 10
- 20
- 30
- 40
- 50