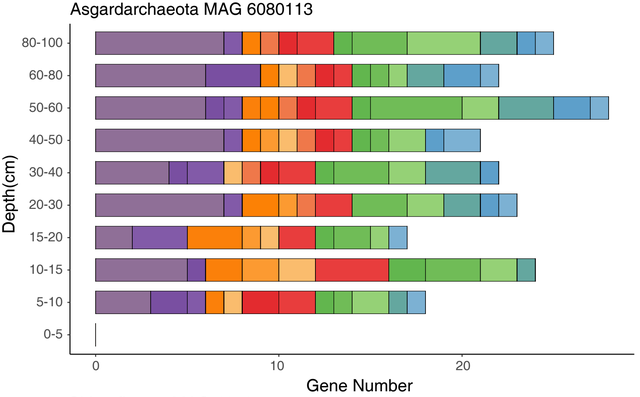


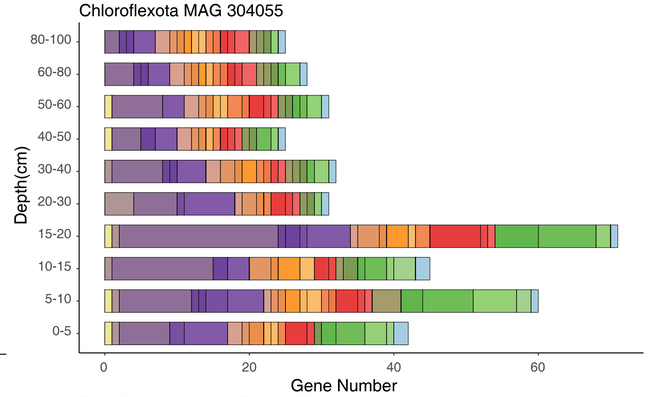


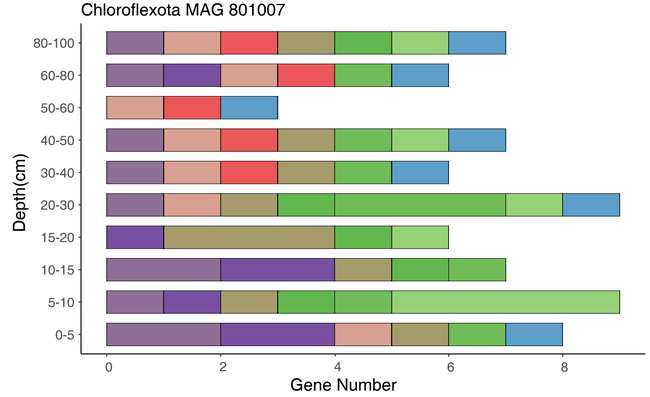


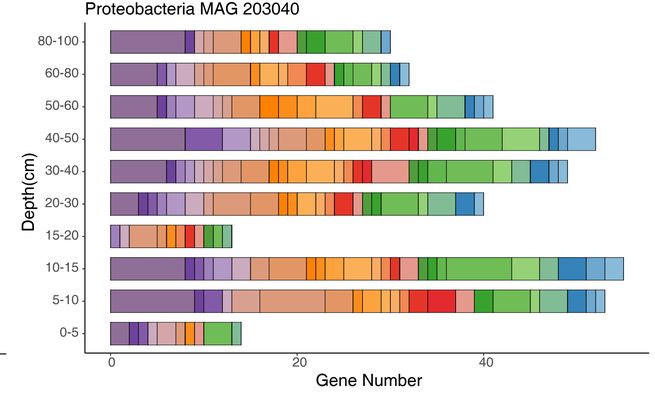


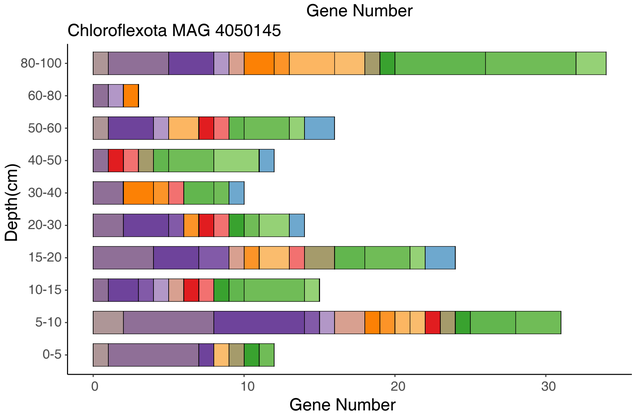


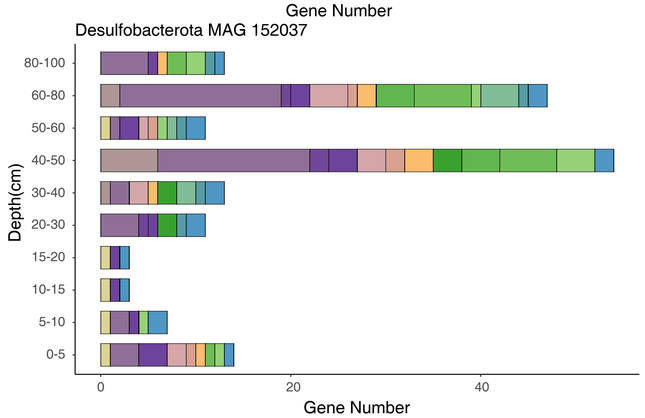


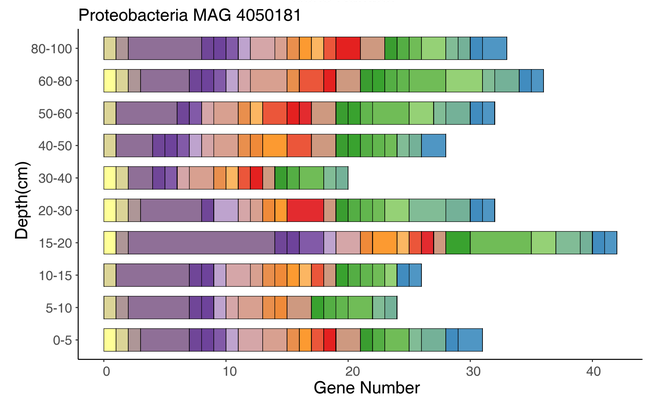


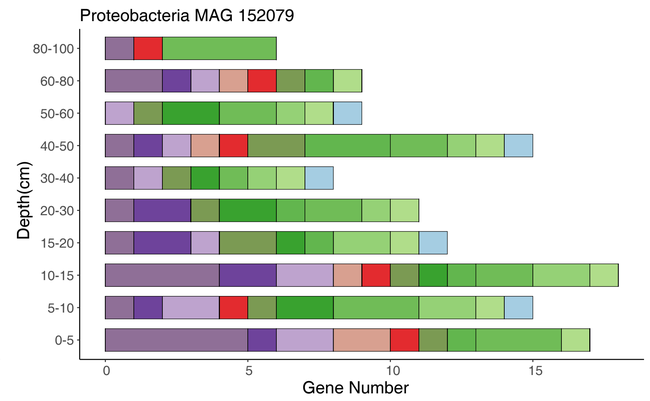


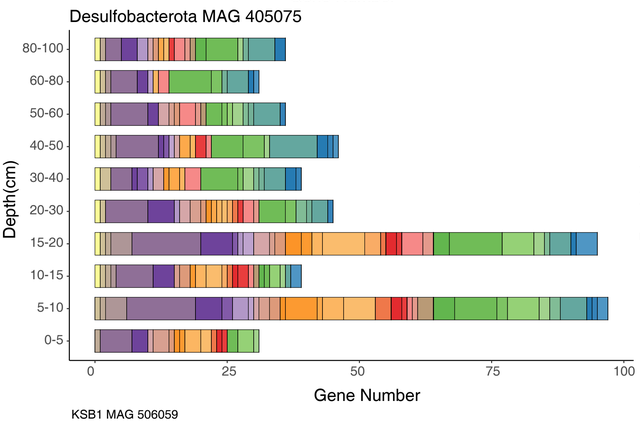


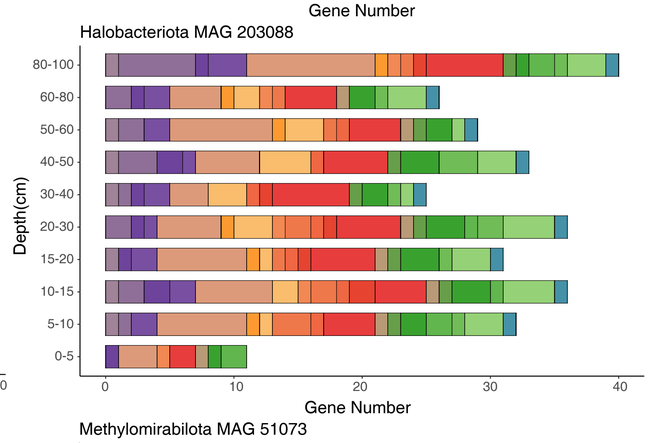


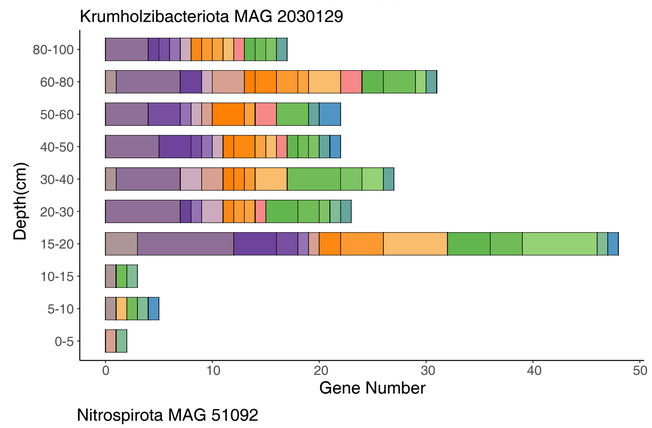


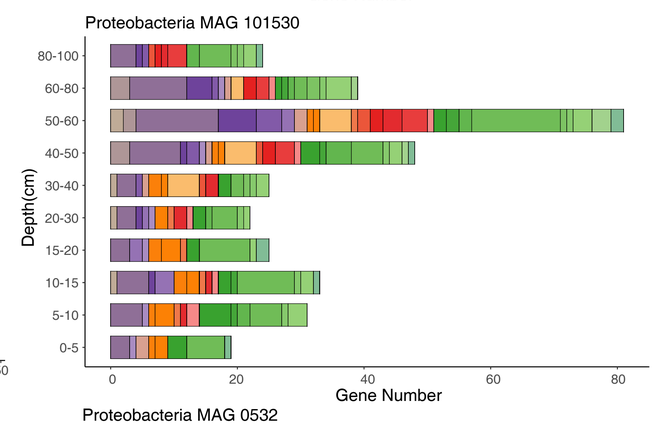


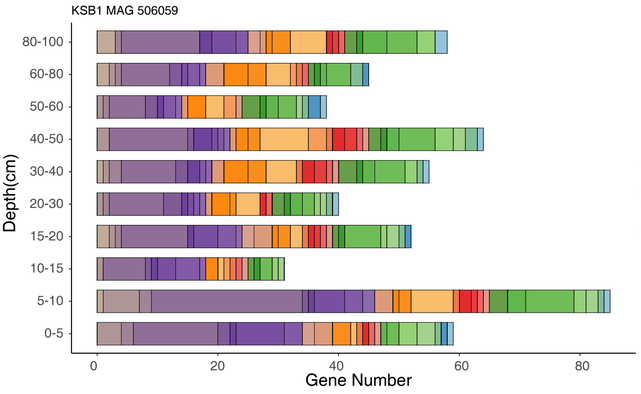


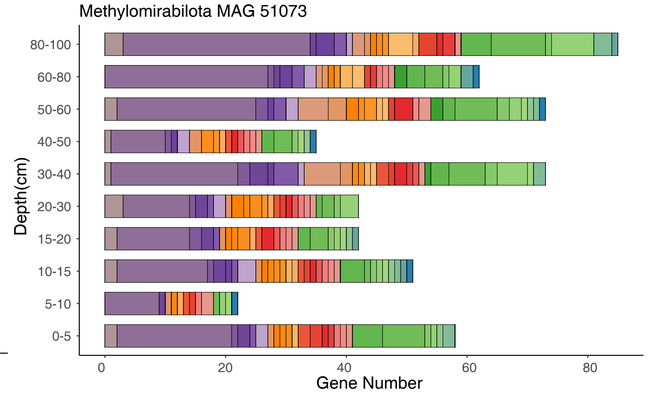


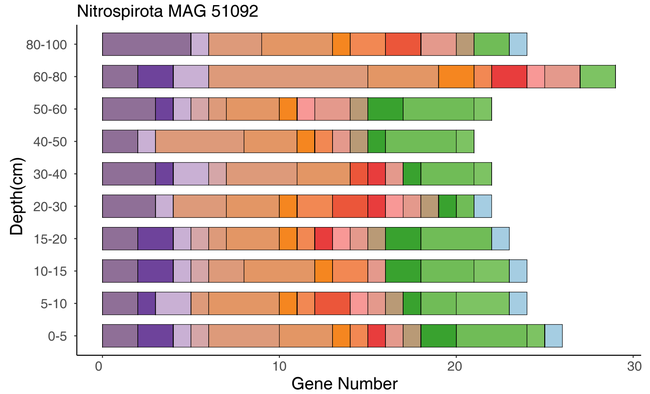


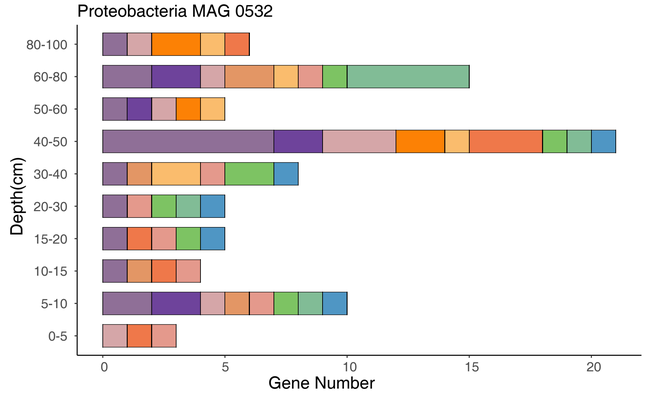


## Functions

- Amino acid related enzymes [BR:ko01007]
- Amino sugar and nucleotide sugar metabolism [PATH:ko00520]
- Aminobenzoate degradation [PATH:ko00627]
- Antifolate resistance [PATH:ko01523]
- Antimicrobial resistance genes [BR:ko01504]
- Arginine and proline metabolism [PATH:ko0030]
- Bacterial motility proteins [BR:ko02035]
- Bacterial toxins [BR:ko02042]
- Benzoate degradation [PATH:ko00362]
- Biofilm formation - Pseudomonas aeruginosa [PATH:ko02025]
- Biosynthesis of ansamycins [PATH:ko01051]
- Biosynthesis of various secondary metabolites [PATH:ko00998]
- C5-Branched dibasic acid metabolism [PATH:ko00660]
- Carbohydrate metabolism
- Carbon fixation pathways in prokaryotes [PATH:ko00720]
- Cell growth
- Chaperones and folding catalysts [BR:ko03110]
- Chemical carcinogenesis - reactive oxygen species
- Chromosome and associated proteins [BR:ko03036]
- Cysteine and methionine metabolism [PATH:ko00270]
- Dioxin degradation [PATH:ko00621]
- DNA repair and recombination proteins [BR:ko03400]
- Drug metabolism - other enzymes [PATH:ko00983]
- Energy metabolism
- Enzymes with EC numbers
- Exosome [BR:ko04147]
- Fluid shear stress and atherosclerosis [PATH:ko05418]
- Folate biosynthesis [PATH:ko00790]
- General function prediction only
- Glutathione metabolism [PATH:ko00480]
- Glycerolipid metabolism [PATH:ko00561]
- Glycerophospholipid metabolism [PATH:ko00564]
- Glycine, serine and threonine metabolism [PATH:ko00260]
- Glycosylphosphatidylinositol (GPI)-anchored proteins
- Glycosyltransferases [BR:ko01003]
- Glyoxylate and dicarboxylate metabolism [PATH:ko00630]
- Inositol phosphate metabolism [PATH:ko00562]
- Lipid biosynthesis proteins [BR:ko01004]
- Lipoic acid metabolism [PATH:ko00785]
- Lipopolysaccharide biosynthesis proteins [BR:ko01005]
- Longevity regulating pathway - multiple species [PATH:ko04213]
- Lysine biosynthesis [PATH:ko00300]
- Lysosome [PATH:ko04142]
- Membrane trafficking [BR:ko04131]
- Messenger RNA biogenesis [BR:ko03019]
- Methane metabolism [PATH:ko00680]
- Mitochondrial biogenesis [BR:ko03029]
- Neomycin, kanamycin and gentamicin biosynthesis [PATH:ko00524]
- Nicotinate and nicotinamide metabolism [PATH:ko00760]
- Nitrogen metabolism [PATH:ko00910]
- Nitrotoluene degradation [PATH:ko00633]
- O-Antigen nucleotide sugar biosynthesis [PATH:ko00541]
- One carbon pool by folate [PATH:ko00670]
- Oxidative phosphorylation [PATH:ko00190]
- Pantothenate and CoA biosynthesis [PATH:ko00770]
- Pentose and glucuronate interconversions [PATH:ko00040]
- Pentose phosphate pathway [PATH:ko00030]
- Peptidases and inhibitors [BR:ko01002]
- Peptidoglycan biosynthesis and degradation proteins [BR:ko01011]
- Phenylalanine metabolism [PATH:ko00360]
- Phenylalanine, tyrosine and tryptophan biosynthesis [PATH:ko00400]
- Photosynthesis proteins [BR:ko00194]
- Porphyrin and chlorophyll metabolism [PATH:ko00860]
- PPAR signaling pathway [PATH:ko03320]
- Prokaryotic defense system [BR:ko02048]
- Protein kinases [BR:ko01001]
- Protein processing
- Purine metabolism [PATH:ko00230]
- Pyrimidine metabolism [PATH:ko00240]
- Pyruvate metabolism [PATH:ko00620]
- Quorum sensing [PATH:ko02024]
- Replication and repair
- Ribosome [BR:ko03011]
- Ribosome biogenesis [BR:ko03009]
- Secretion system [BR:ko02044]
- Selenocompound metabolism [PATH:ko00450]
- Signaling proteins
- Structural proteins
- Styrene degradation [PATH:ko00643]
- Sulfur metabolism [PATH:ko00920]
- Sulfur relay system [PATH:ko04122]
- Thiamine metabolism [PATH:ko00730]
- Toluene degradation [PATH:ko00623]
- Transcription factors [BR:ko03000]
- Transcription machinery [BR:ko03021]
- Transfer RNA biogenesis [BR:ko03016]
- Translation factors [BR:ko03012]
- Transport
- Transporters [BR:ko02000]
- Tryptophan metabolism [PATH:ko00380]
- Two-component system [BR:ko02022]
- Two-component system [PATH:ko02020]
- Tyrosine metabolism [PATH:ko00350]
- Ubiquinone and other terpenoid-quinone biosynthesis [PATH:ko00130]
- Valine, leucine and isoleucine degradation [PATH:ko00280]
- Vitamin B6 metabolism [PATH:ko00750]