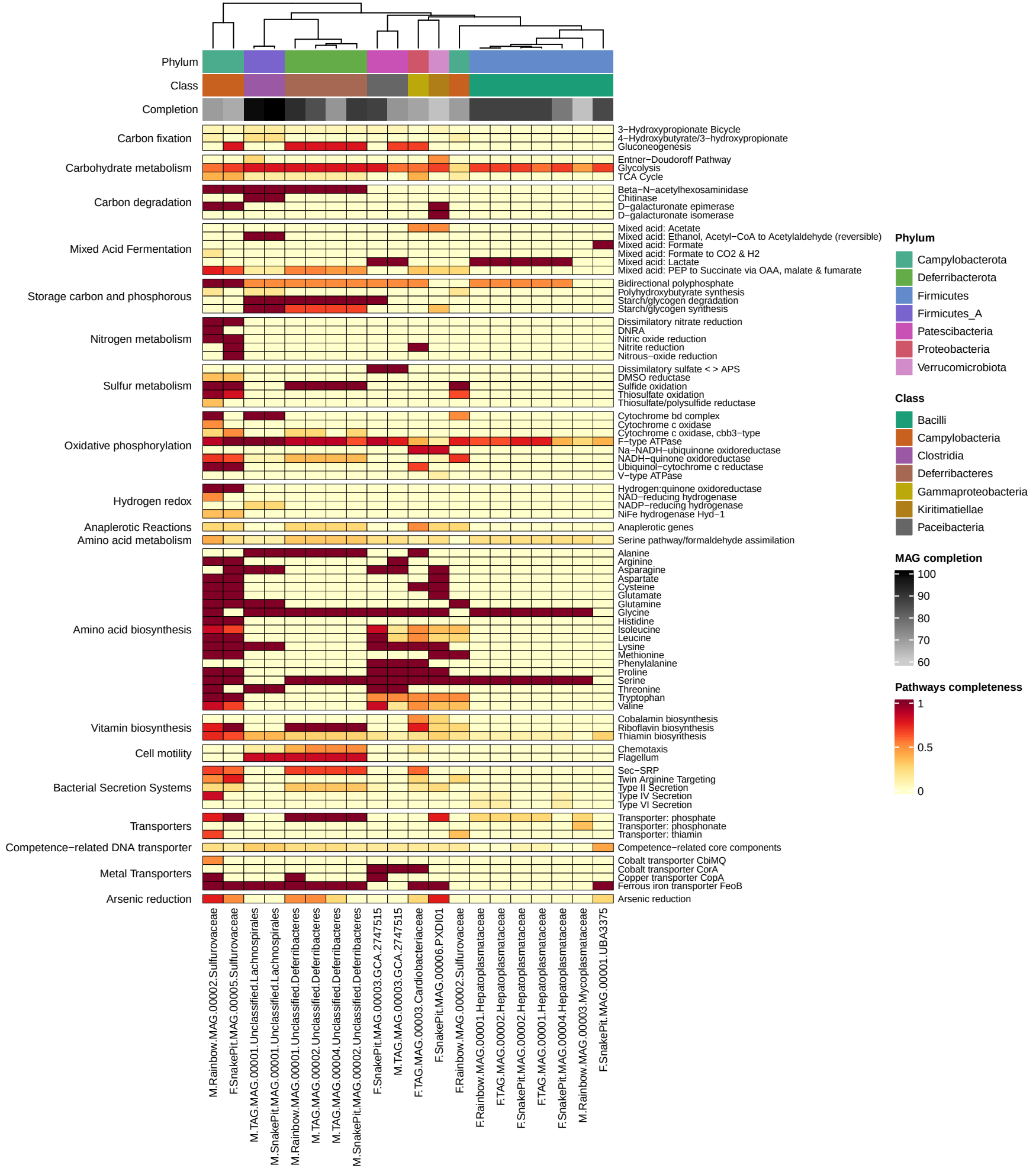
Phylum
Class
Completion
Carbon fixation
3−Hydroxypropionate Bicycle
4−Hydroxybutyrate/3−hydroxypropionate
Gluconeogenesis
Carbohydrate metabolism
Entner−Doudoroff Pathway
Glycolysis
TCA Cycle
Carbon degradation
Beta−N−acetylhexosaminidase
Chitinase
D−galacturonate epimerase
D−galacturonate isomerase
Mixed Acid Fermentation
Mixed acid: Acetate
Mixed acid: Ethanol, Acetyl−CoA to Acetylaldehyde (reversible)
Mixed acid: Formate
Mixed acid: Formate to CO2 & H2
Mixed acid: Lactate
Mixed acid: PEP to Succinate via OAA, malate & fumarate
Storage carbon and phosphorous
Bidirectional polyphosphate
Polyhydroxybutyrate synthesis
Starch/glycogen degradation
Starch/glycogen synthesis
Nitrogen metabolism
Dissimilatory nitrate reduction
DNRA
Nitric oxide reduction
Nitrite reduction
Nitrous−oxide reduction
Sulfur metabolism
Dissimilatory sulfate < > APS
DMSO reductase
Sulfide oxidation
Thiosulfate oxidation
Thiosulfate/polysulfide reductase
Oxidative phosphorylation
Cytochrome bd complex
Cytochrome c oxidase
Cytochrome c oxidase, cbb3−type
F−type ATPase
Na−NADH−ubiquinone oxidoreductase
NADH−quinone oxidoreductase
Ubiquinol−cytochrome c reductase
V−type ATPase
Hydrogen redox
Hydrogen:quinone oxidoreductase
NAD−reducing hydrogenase
NADP−reducing hydrogenase
NiFe hydrogenase Hyd−1
Anaplerotic Reactions
Anaplerotic genes
Amino acid metabolism
Serine pathway/formaldehyde assimilation
Amino acid biosynthesis
Alanine
Arginine
Asparagine
Aspartate
Cysteine
Glutamate
Glutamine
Glycine
Histidine
Isoleucine
Leucine
Lysine
Methionine
Phenylalanine
Proline
Serine
Threonine
Tryptophan
Valine
Vitamin biosynthesis
Cobalamin biosynthesis
Riboflavin biosynthesis
Thiamin biosynthesis
Cell motility
Chemotaxis
Flagellum
Bacterial Secretion Systems
Sec−SRP
Twin Arginine Targeting
Type II Secretion
Type IV Secretion
Type VI Secretion
Transporters
Transporter: phosphate
Transporter: phosphonate
Transporter: thiamin
Competence−related DNA transporter
Competence−related core components
Metal Transporters
Cobalt transporter CbiMQ
Cobalt transporter CorA
Copper transporter CopA
Ferrous iron transporter FeoB
Arsenic reduction
Arsenic reduction
M.Rainbow.MAG.00002.Sulfurovaceae
F.SnakePit.MAG.00005.Sulfurovaceae
M.TAG.MAG.00001.Unclassified.Lachnospirales
M.SnakePit.MAG.00001.Unclassified.Lachnospirales
M.Rainbow.MAG.00001.Unclassified.Deferribacteres
M.TAG.MAG.00002.Unclassified.Deferribacteres
M.TAG.MAG.00004.Unclassified.Deferribacteres
M.SnakePit.MAG.00002.Unclassified.Deferribacteres
F.SnakePit.MAG.00003.GCA.2747515
M.TAG.MAG.00003.GCA.2747515
F.TAG.MAG.00003.Cardiobacteriaceae
F.SnakePit.MAG.00006.PXDI01
F.Rainbow.MAG.00002.Sulfurovaceae
F.Rainbow.MAG.00001.Hepatoplasmataceae
F.TAG.MAG.00002.Hepatoplasmataceae
F.SnakePit.MAG.00002.Hepatoplasmataceae
F.TAG.MAG.00001.Hepatoplasmataceae
F.SnakePit.MAG.00004.Hepatoplasmataceae
M.Rainbow.MAG.00003.Mycoplasmataceae
F.SnakePit.MAG.00001.UBA3375
Phylum
Campylobacterota
Deferribacterota
Firmicutes
Firmicutes_A
Patescibacteria
Proteobacteria
Verrucomicrobiota
Class
Bacilli
Campylobacteria
Clostridia
Deferribacteres
Gammaproteobacteria
Kiritimatiellae
Paceibacteria
MAG completion
100
90
80
70
60
Pathways completeness
1
0.5
0