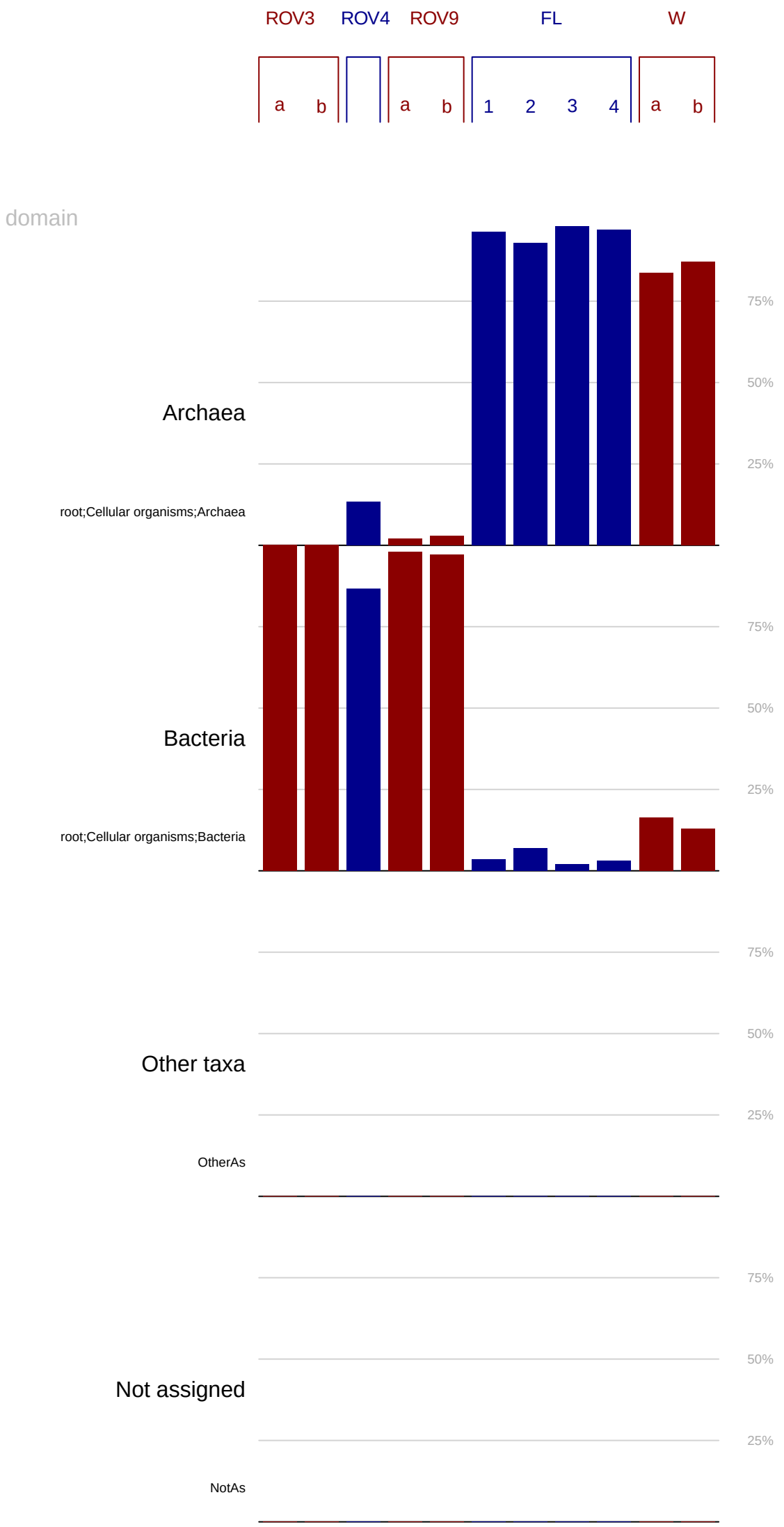
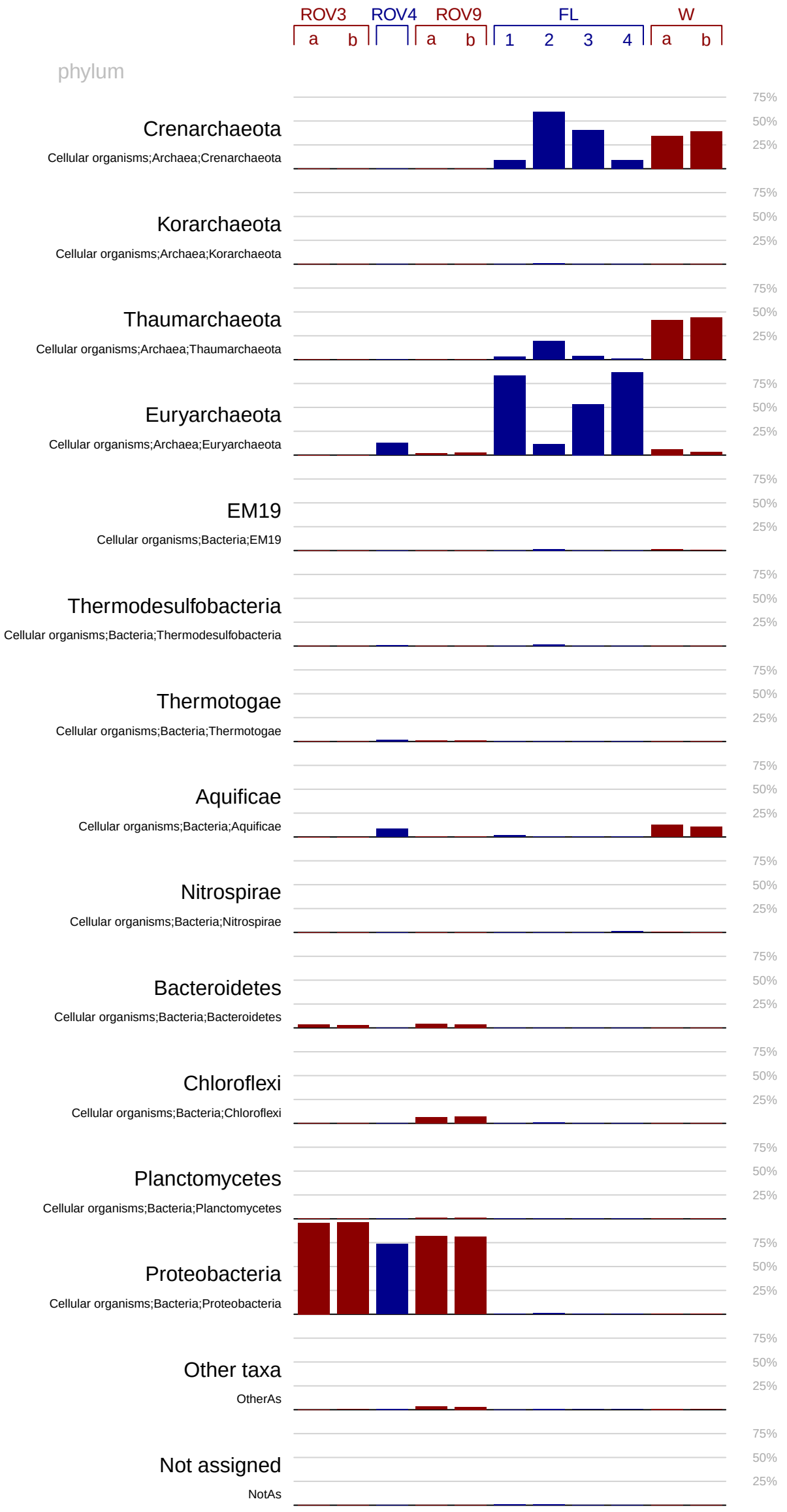
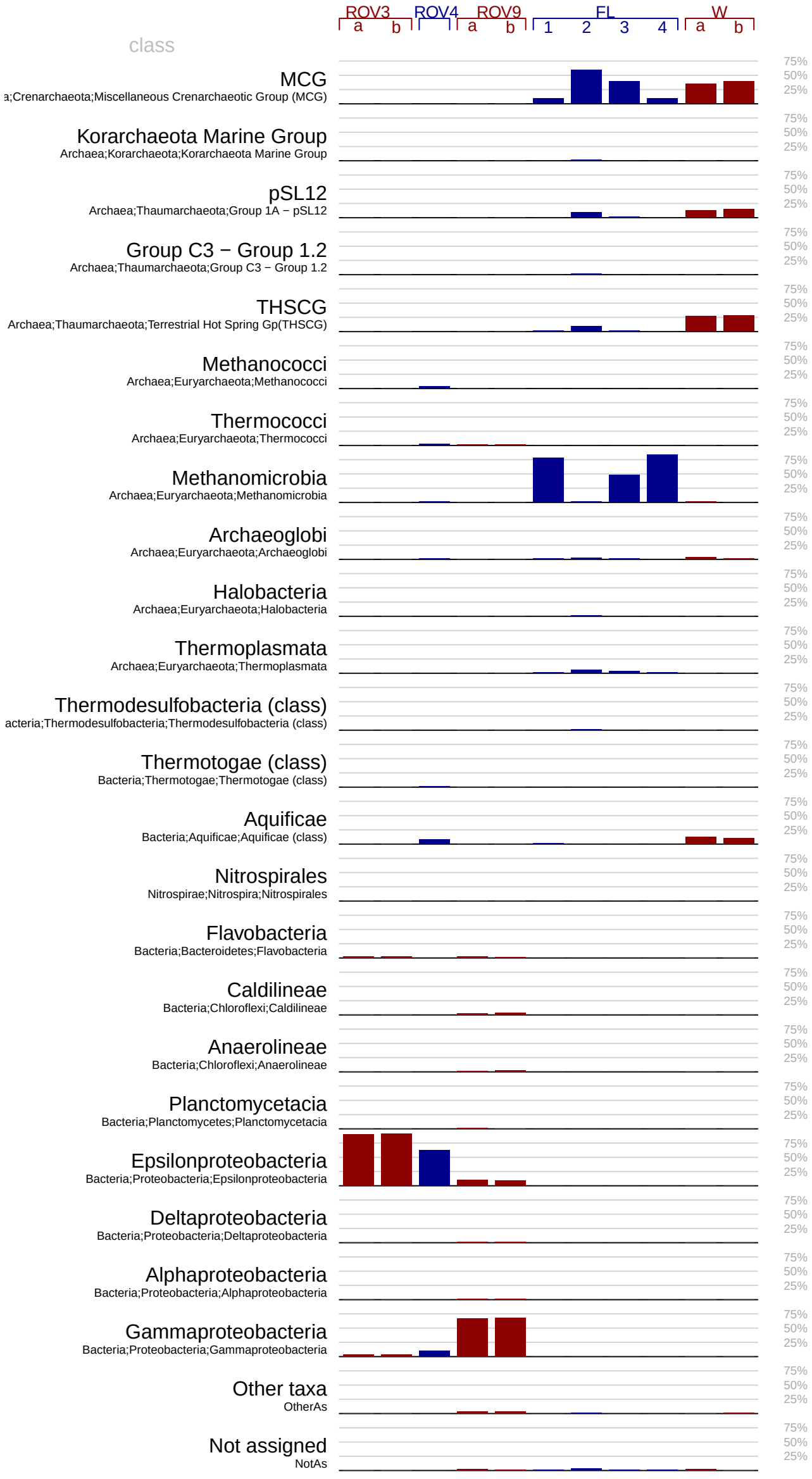
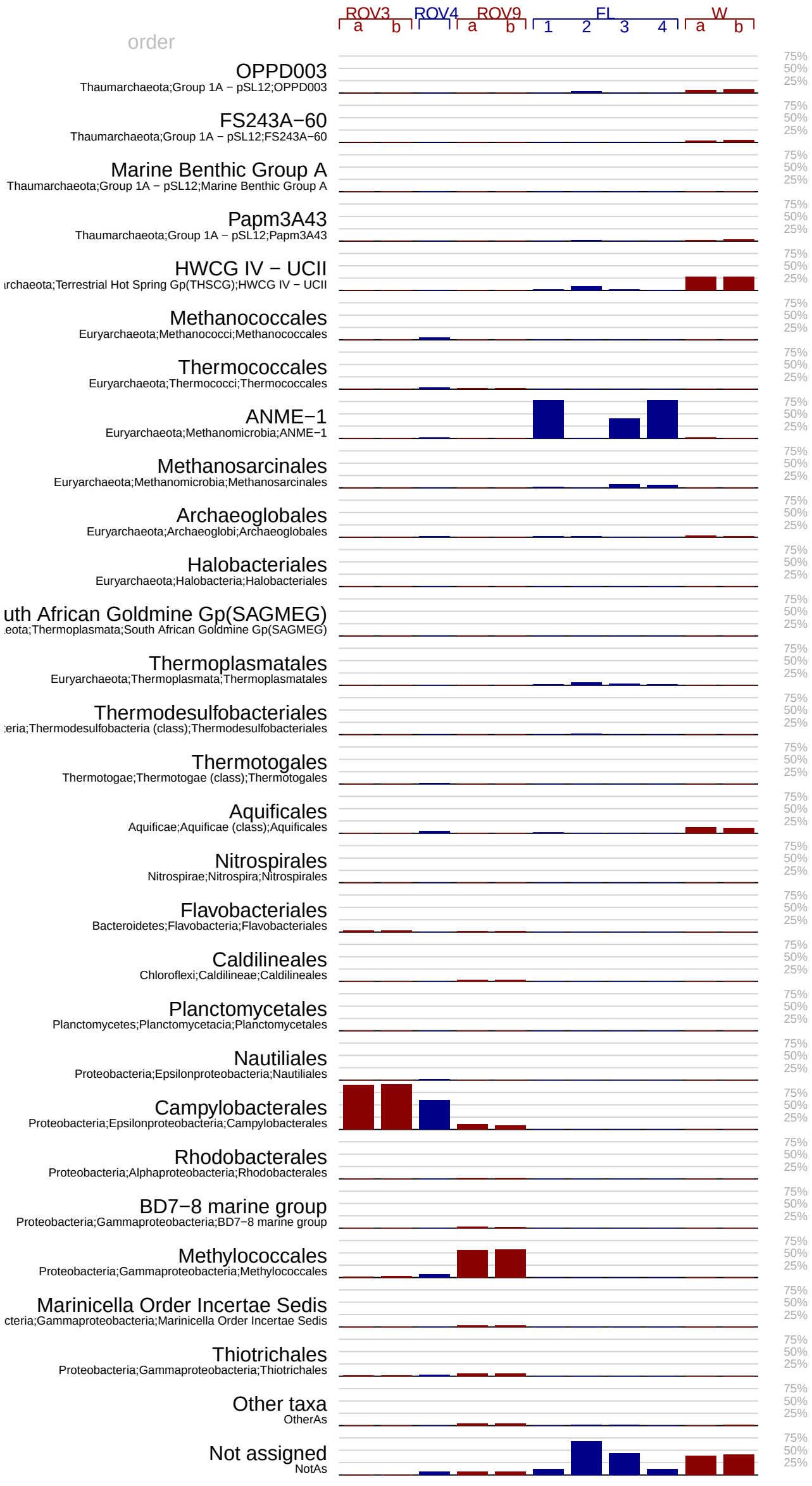
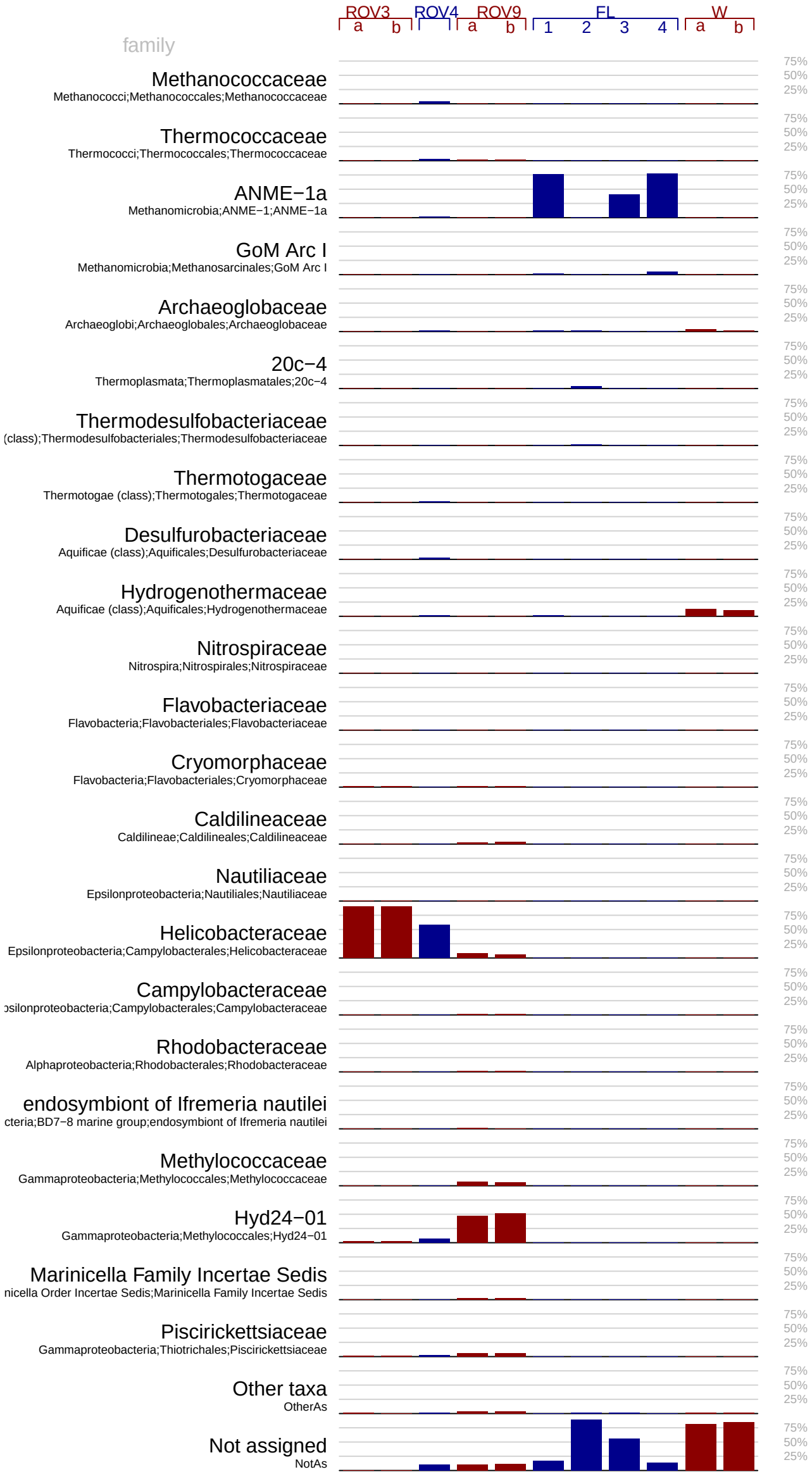
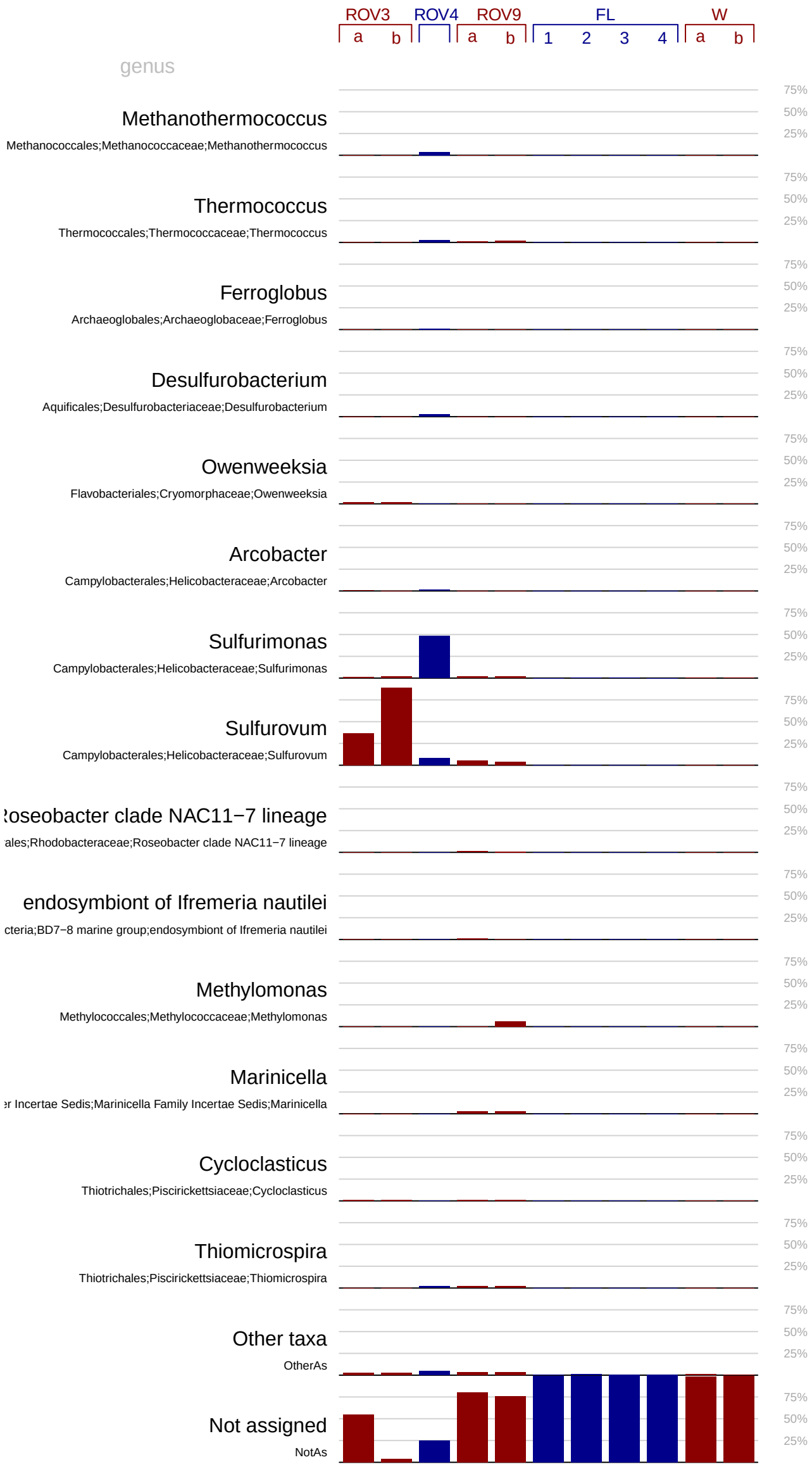

ROV3
ROV4
ROV9
FL
W
a
b
a
b
1
2
3
4
a
b
domain
Archaea
root;Cellular organisms;Archaea
Bacteria
root;Cellular organisms;Bacteria
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%


ROV3
ROV4
ROV9
FL
W
a
b
a
b
1
2
3
4
a
b
phylum
Crenarchaeota
Cellular organisms;Archaea;Crenarchaeota
Korarchaeota
Cellular organisms;Archaea;Korarchaeota
Thaumarchaeota
Cellular organisms;Archaea;Thaumarchaeota
Euryarchaeota
Cellular organisms;Archaea;Euryarchaeota
EM19
Cellular organisms;Bacteria;EM19
Thermodesulfobacteria
Cellular organisms;Bacteria;Thermodesulfobacteria
Thermotogae
Cellular organisms;Bacteria;Thermotogae
Aquificae
Cellular organisms;Bacteria;Aquificae
Nitrospirae
Cellular organisms;Bacteria;Nitrospirae
Bacteroidetes
Cellular organisms;Bacteria;Bacteroidetes
Chloroflexi
Cellular organisms;Bacteria;Chloroflexi
Planctomycetes
Cellular organisms;Bacteria;Planctomycetes
Proteobacteria
Cellular organisms;Bacteria;Proteobacteria
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%


ROV3
a
b
ROV4
ROV9
a
b
FL
1
2
3
4
W
a
b
class
MCG
a;Crenarchaeota;Miscellaneous Crenarchaeotic Group (MCG)
Korarchaeota Marine Group
Archaea;Korarchaeota;Korarchaeota Marine Group
pSL12
Archaea;Thaumarchaeota;Group 1A − pSL12
Group C3 − Group 1.2
Archaea;Thaumarchaeota;Group C3 − Group 1.2
THSCG
Archaea;Thaumarchaeota;Terrestrial Hot Spring Gp(THSCG)
Methanococci
Archaea;Euryarchaeota;Methanococci
Thermococci
Archaea;Euryarchaeota;Thermococci
Methanomicrobia
Archaea;Euryarchaeota;Methanomicrobia
Archaeoglobi
Archaea;Euryarchaeota;Archaeoglobi
Halobacteria
Archaea;Euryarchaeota;Halobacteria
Thermoplasmata
Archaea;Euryarchaeota;Thermoplasmata
Thermodesulfobacteria (class)
acteria;Thermodesulfobacteria;Thermodesulfobacteria (class)
Thermotogae (class)
Bacteria;Thermotogae;Thermotogae (class)
Aquificae
Bacteria;Aquificae;Aquificae (class)
Nitrospirales
Nitrospirae;Nitrospira;Nitrospirales
Flavobacteria
Bacteria;Bacteroidetes;Flavobacteria
Caldilineae
Bacteria;Chloroflexi;Caldilineae
Anaerolineae
Bacteria;Chloroflexi;Anaerolineae
Planctomycetacia
Bacteria;Planctomycetes;Planctomycetacia
Epsilonproteobacteria
Bacteria;Proteobacteria;Epsilonproteobacteria
Deltaproteobacteria
Bacteria;Proteobacteria;Deltaproteobacteria
Alphaproteobacteria
Bacteria;Proteobacteria;Alphaproteobacteria
Gammaproteobacteria
Bacteria;Proteobacteria;Gammaproteobacteria
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%


ROV3
a
b
ROV4
ROV9
a
b
FL
1
2
3
4
W
a
b
order
OPPD003
Thaumarchaeota;Group 1A − pSL12;OPPD003
FS243A−60
Thaumarchaeota;Group 1A − pSL12;FS243A−60
Marine Benthic Group A
Thaumarchaeota;Group 1A − pSL12;Marine Benthic Group A
Papm3A43
Thaumarchaeota;Group 1A − pSL12;Papm3A43
HWCG IV − UCII
rchaeota;Terrestrial Hot Spring Gp(THSCG);HWCG IV − UCII
Methanococcales
Euryarchaeota;Methanococci;Methanococcales
Thermococcales
Euryarchaeota;Thermococci;Thermococcales
ANME−1
Euryarchaeota;Methanomicrobia;ANME−1
Methanosarcinales
Euryarchaeota;Methanomicrobia;Methanosarcinales
Archaeoglobales
Euryarchaeota;Archaeoglobi;Archaeoglobales
Halobacteriales
Euryarchaeota;Halobacteria;Halobacteriales
uth African Goldmine Gp(SAGMEG)
eota;Thermoplasmata;South African Goldmine Gp(SAGMEG)
Thermoplasmatales
Euryarchaeota;Thermoplasmata;Thermoplasmatales
Thermodesulfobacteriales
eria;Thermodesulfobacteria (class);Thermodesulfobacteriales
Thermotogales
Thermotogae;Thermotogae (class);Thermotogales
Aquificales
Aquificae;Aquificae (class);Aquificales
Nitrospirales
Nitrospirae;Nitrospira;Nitrospirales
Flavobacteriales
Bacteroidetes;Flavobacteria;Flavobacteriales
Caldilineales
Chloroflexi;Caldilineae;Caldilineales
Planctomycetales
Planctomycetes;Planctomycetacia;Planctomycetales
Nautiliales
Proteobacteria;Epsilonproteobacteria;Nautiliales
Campylobacterales
Proteobacteria;Epsilonproteobacteria;Campylobacterales
Rhodobacterales
Proteobacteria;Alphaproteobacteria;Rhodobacterales
BD7−8 marine group
Proteobacteria;Gammaproteobacteria;BD7−8 marine group
Methylococcales
Proteobacteria;Gammaproteobacteria;Methylococcales
Marinicella Order Incertae Sedis
cteria;Gammaproteobacteria;Marinicella Order Incertae Sedis
Thiotrichales
Proteobacteria;Gammaproteobacteria;Thiotrichales
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%


ROV3
a
b
ROV4
ROV9
a
b
FL
1
2
3
4
W
a
b
family
Methanococcaceae
Methanococci;Methanococcales;Methanococcaceae
Thermococcaceae
Thermococci;Thermococcales;Thermococcaceae
ANME−1a
Methanomicrobia;ANME−1;ANME−1a
GoM Arc I
Methanomicrobia;Methanosarcinales;GoM Arc I
Archaeoglobaceae
Archaeoglobi;Archaeoglobales;Archaeoglobaceae
20c−4
Thermoplasmata;Thermoplasmatales;20c−4
Thermodesulfobacteriaceae
(class);Thermodesulfobacteriales;Thermodesulfobacteriaceae
Thermotogaceae
Thermotogae (class);Thermotogales;Thermotogaceae
Desulfurobacteriaceae
Aquificae (class);Aquificales;Desulfurobacteriaceae
Hydrogenothermaceae
Aquificae (class);Aquificales;Hydrogenothermaceae
Nitrospiraceae
Nitrospira;Nitrospirales;Nitrospiraceae
Flavobacteriaceae
Flavobacteria;Flavobacteriales;Flavobacteriaceae
Cryomorphaceae
Flavobacteria;Flavobacteriales;Cryomorphaceae
Caldilineaceae
Caldilineae;Caldilineales;Caldilineaceae
Nautiliaceae
Epsilonproteobacteria;Nautiliales;Nautiliaceae
Helicobacteraceae
Epsilonproteobacteria;Campylobacterales;Helicobacteraceae
Campylobacteraceae
ɔsilonproteobacteria;Campylobacterales;Campylobacteraceae
Rhodobacteraceae
Alphaproteobacteria;Rhodobacterales;Rhodobacteraceae
endosymbiont of Ifremeria nautilei
cteria;BD7−8 marine group;endosymbiont of Ifremeria nautilei
Methylococcaceae
Gammaproteobacteria;Methylococcales;Methylococcaceae
Hyd24−01
Gammaproteobacteria;Methylococcales;Hyd24−01
Marinicella Family Incertae Sedis
nicella Order Incertae Sedis;Marinicella Family Incertae Sedis
Piscirickettsiaceae
Gammaproteobacteria;Thiotrichales;Piscirickettsiaceae
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%


ROV3
ROV4
ROV9
FL
W
a
b
a
b
1
2
3
4
a
b
genus
Methanothermococcus
Methanococcales;Methanococcaceae;Methanothermococcus
Thermococcus
Thermococcales;Thermococcaceae;Thermococcus
Ferroglobus
Archaeoglobales;Archaeoglobaceae;Ferroglobus
Desulfurobacterium
Aquificales;Desulfurobacteriaceae;Desulfurobacterium
Owenweeksia
Flavobacteriales;Cryomorphaceae;Owenweeksia
Arcobacter
Campylobacterales;Helicobacteraceae;Arcobacter
Sulfurimonas
Campylobacterales;Helicobacteraceae;Sulfurimonas
Sulfurovum
Campylobacterales;Helicobacteraceae;Sulfurovum
Roseobacter clade NAC11−7 lineage
ales;Rhodobacteraceae;Roseobacter clade NAC11−7 lineage
endosymbiont of Ifremeria nautilei
cteria;BD7−8 marine group;endosymbiont of Ifremeria nautilei
Methylomonas
Methylococcales;Methylococcaceae;Methylomonas
Marinicella
er Incertae Sedis;Marinicella Family Incertae Sedis;Marinicella
Cycloclasticus
Thiotrichales;Piscirickettsiaceae;Cycloclasticus
Thiomicrospira
Thiotrichales;Piscirickettsiaceae;Thiomicrospira
Other taxa
OtherAs
Not assigned
NotAs
75%
50%
25%