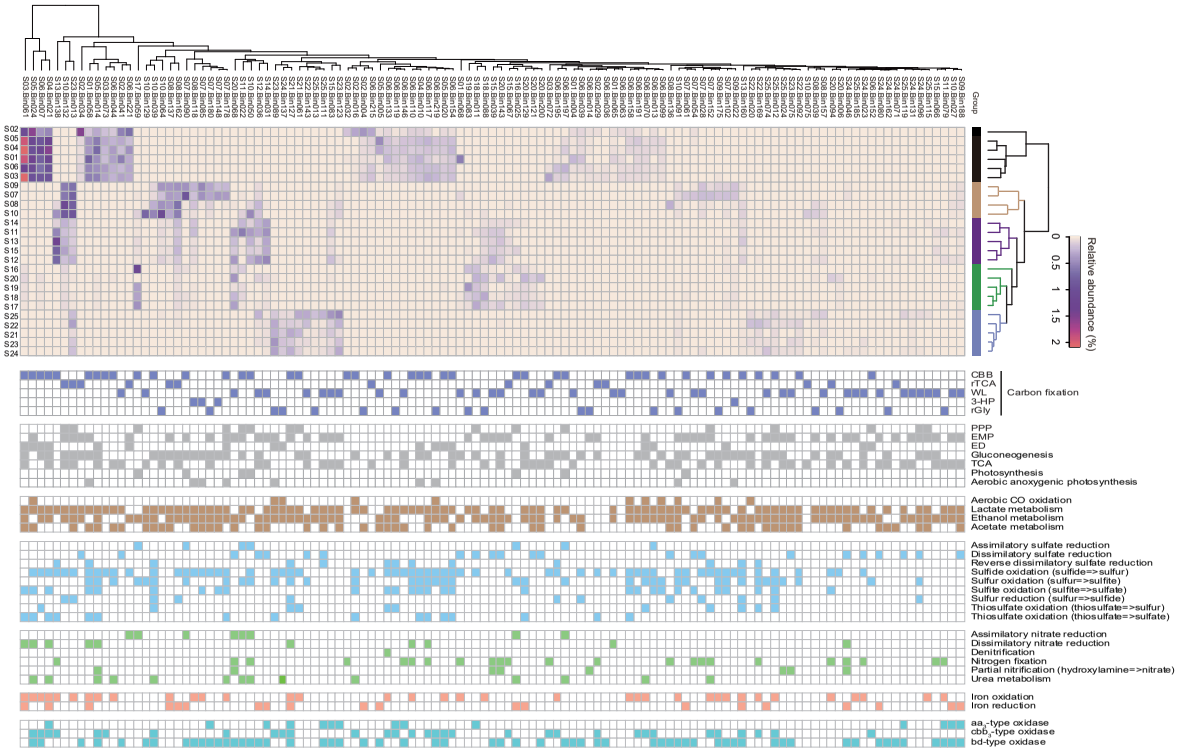
Group
S02
S05
S04
S01
S06
S03
S09
S07
S08
S10
S14
S11
S13
S15
S12
S16
S20
S19
S18
S17
S25
S22
S21
S23
S24
Relative abundance (%)
0
0.5
1
1.5
2
CBB
rTCA
WL
3-HP
rGly
Carbon fixation
PPP
EMP
ED
Gluconeogenesis
TCA
Photosynthesis
Aerobic anoxygenic photosynthesis
Aerobic CO oxidation
Lactate metabolism
Ethanol metabolism
Acetate metabolism
Assimilatory sulfate reduction
Dissimilatory sulfate reduction
Reverse dissimilatory sulfate reduction
Sulfide oxidation (sulfide=>sulfur)
Sulfur oxidation (sulfur=>sulfite)
Sulfite oxidation (sulfite=>sulfate)
Sulfur reduction (sulfur=>sulfide)
Thiosulfate oxidation (thiosulfate=>sulfur)
Thiosulfate oxidation (thiosulfate=>sulfate)
Assimilatory nitrate reduction
Dissimilatory nitrate reduction
Denitrification
Nitrogen fixation
Partial nitrification (hydroxylamine=>nitrate)
Urea metabolism
Iron oxidation
Iron reduction
aa3-type oxidase
cbb3-type oxidase
bd-type oxidase