

CNB circineutral bacterial group

Cyano-bacterial mats up to 60°C

Aquificota and Chloroflexota autotrophy

Mesophilic and marine bacteria



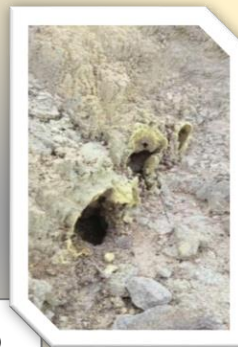
Uncultured:

- 'Ca. Bathyarchaeia' up to 8.7%
- 'Ca. Odinarchaeia' about 0.5%
- 'Ca. Alysiosphaera' up to 6%
- Anaerolineae SBR1031 up to 3%
- SVA0485 group up to 9%
- 'Ca. Kapabacteriales' up to 4%

AA acidic archaeal group

Extremely acidic conditions

Organic matter cycle is provided by Archaea



Uncultured Archaea:

- 'Ca. Marsarchaeales' (1.6-42.5%)
- 'Ca. Caldiarchaeales' (1.5-25%)
- BSLdp215 (1.1-20.4%)
- A10 (or ARK15) (6.25%)

AB acidic bacterial group

Thermoacidophiles of the sulfur cycle as a primary producers and organic matter degraders

Acidithiobacillus
Hydrogenobaculum
Desulfurella
Mesoaciditoga
Acidiphilium
Thiomonas

