





Green nonsulfur
bacteria

Mitochondrion

Gram-
positive
bacteria

Proteobacteria

Chloroplast

Cyanobacteria

Flavobacteria

Thermotoga

Thermodesulfobacterium

Aquifex

Korarchaeota

Crenarchaeota

Thermoproteus

Pyrodictium

Marine
Crenarchaeota

Methanococcus

Thermococcus

Pyrolobus

Methanopyrus

Euryarchaeota

Methanosarcina

Methanobacterium

Extreme
Halophiles

Thermoplasma