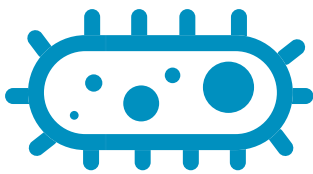


Five **bacterial** populations of the phylum *Peregrinibacteria* from an aquifer near Rifle, CO, USA were genomically characterized.

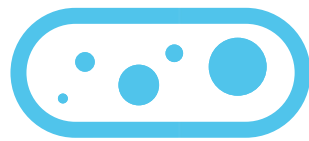
Researchers produced the **first complete genomes** of the phylum *Peregrinibacteria*.

The genomes are small, suggesting a **symbiotic lifestyle**.



#### **PEREGRINIBACTERIA**

Synthesis of some cell envelope components, cell wall, & nucleotides.



#### **OTHER BACTERIA**

Synthesis of cofactors, fatty acids, and most amino acids

Strain variation occurred in large, **extracellular proteins**. These proteins probably function in **attachment** to other cells.

#### **CONCLUSION**