

Phylogenetic tree showing the relationship between various archaeal groups. The tree is rooted at the top left with 'd__Archaea' and branches out to various groups. Bootstrap values are indicated at the nodes. The groups are: p__Undinarchaeota, p__Thermoproteota, p__Asgardarchaeota, p__Thermoplasmata, p__Halobacteriota, p__Methanobacteriota, p__Hadarchaeota, p__Methanobacteriota, p__Hydrothermarchaeota, p__JACRDV01, p__Micrarchaeota, p__B1Sed10-29, p__lainarchaeota, p__Altarchaeota, p__JAADDD01, p__SpSt-1190, p__Aenigmataarchaeota, p__Nanohaloarchaeota, p__EX4484-52, p__Huberarchaeota, and p__Nanoarchaeota.

Phylogenetic tree showing the relationships between various bacterial lineages. The tree is rooted at N0 and branches out into several major groups. The top group (N1) includes p_EX4484-52, p_Huberarchaeota, p_Micrarchaeota, p_Nanoarchaeota, and p_Thermoplasmatota. The middle group (N2) includes p_SpSt-1190 and p_JAADD001. The bottom group (N6) includes p_Undinarchaeota, p_Nanohaloarchaeota, p_Aenigmataarchaeota, p_Iainarchaeota, p_B1 Sed10-29, p_Asgardarchaeota, p_Thermoproteota, p_Altiarchaeota, p_JACRDV01, p_Hadarchaeota, p_Methanobacteriota, p_Hydrothermarchaeota, p_Halobacteriota, and p_Methanobacteriota_B.

Phylogenetic tree showing the relationships between various bacterial and archaeal groups. The tree is rooted at N0 and branches out into several major clades. The groups are labeled with 'p_' followed by a name, and the nodes are labeled with 'N' followed by a number. The groups include: p_EX4484-52, p_Huberarchaeota, p_Micrarchaeota, p_Nanoarchaeota, p_Thermoplasmatota, p_SpSt-1190, p_JAADD001, p_Undinarchaeota, p_Nanohaloarchaeota, p_Aenigmataarchaeota, p_lainarchaeota, p_B1Sed10-29, p_Asgardarchaeota, p_Thermoproteota, p_Altiarchaeota, p_JACRDV01, p_Hadarchaeota, p_Methanobacteriota, p_Hydrothermarchaeota, p_Halobacteriota, and p_Methanobacteriota_B.