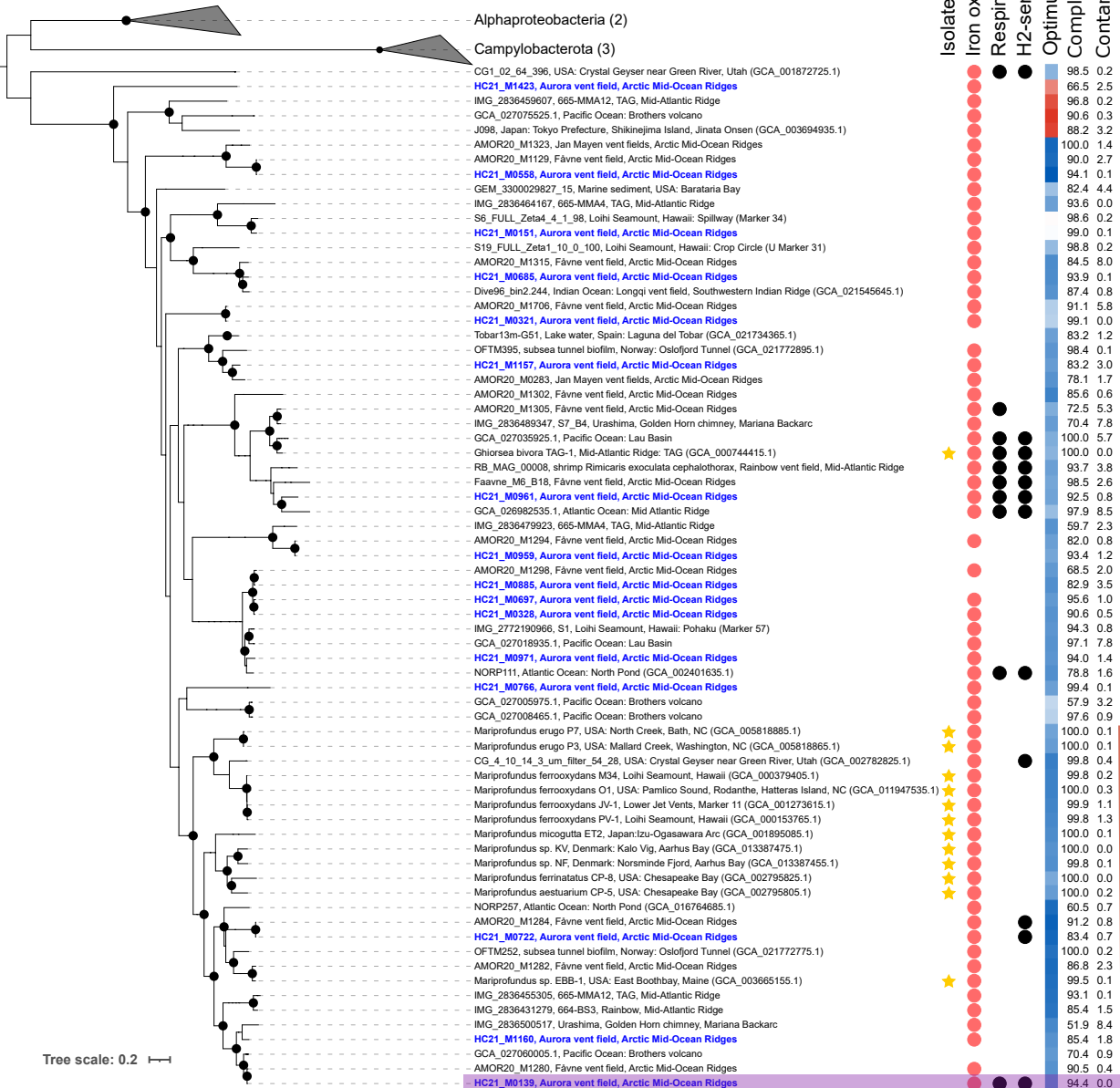
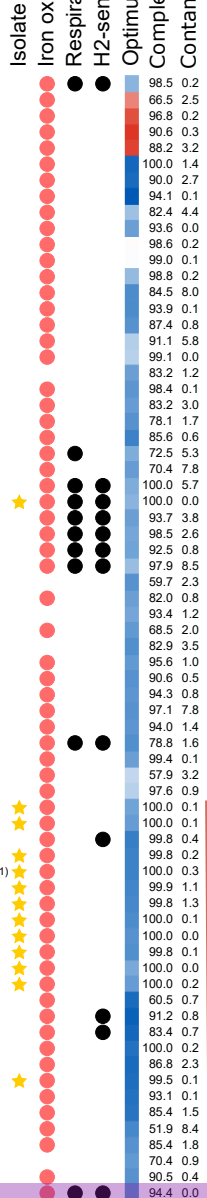


Optimum Growth Temperature (Predicted)



Alphaproteobacteria (2)  
Campylobacterota (3)

- CG1\_02\_64\_396, USA: Crystal Geyser near Green River, Utah (GCA\_001872725.1)
- HC21\_M1423, Aurora vent field, Arctic Mid-Ocean Ridges**
- IMG\_2836459607, 665-MMA12, TAG, Mid-Atlantic Ridge
- GCA\_027075525.1, Pacific Ocean: Brothers volcano
- J098, Japan: Tokyo Prefecture, Shikinejima Island, Jinata Onsen (GCA\_003694935.1)
- AMOR20\_M1323, Jan Mayen vent fields, Arctic Mid-Ocean Ridges
- AMOR20\_M1129, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0558, Aurora vent field, Arctic Mid-Ocean Ridges**
- GEM\_3300029827\_15, Marine sediment, USA: Barataria Bay
- IMG\_2836464167, 665-MMA4, TAG, Mid-Atlantic Ridge
- S6\_FULLL\_Zeta4\_4\_1\_98, Loihi Seamount, Hawaii: Spillway (Marker 34)
- HC21\_M0151, Aurora vent field, Arctic Mid-Ocean Ridges**
- S19\_FULLL\_Zeta1\_10\_0\_100, Loihi Seamount, Hawaii: Crop Circle (U Marker 31)
- AMOR20\_M1315, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0685, Aurora vent field, Arctic Mid-Ocean Ridges**
- Dive96\_bin2.244, Indian Ocean: Longqi vent field, Southwestern Indian Ridge (GCA\_021545645.1)
- AMOR20\_M1706, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0321, Aurora vent field, Arctic Mid-Ocean Ridges**
- Tobar13m-G51, Lake water, Spain: Laguna del Tobar (GCA\_021734365.1)
- OFTM395, subsea tunnel biofilm, Norway: Oslofjord Tunnel (GCA\_021772895.1)
- HC21\_M1157, Aurora vent field, Arctic Mid-Ocean Ridges**
- AMOR20\_M0283, Jan Mayen vent fields, Arctic Mid-Ocean Ridges
- AMOR20\_M1302, Fåvne vent field, Arctic Mid-Ocean Ridges
- AMOR20\_M1305, Fåvne vent field, Arctic Mid-Ocean Ridges
- IMG\_2836489347\_S7\_B4, Urashima, Golden Horn chimney, Mariana Backarc
- GCA\_027035925.1, Pacific Ocean: Lau Basin
- Ghiorsea bivora TAG-1, Mid-Atlantic Ridge: TAG (GCA\_000744415.1)
- RB\_MAG\_00008, shrimp Rimicaris excolulata cephalothorax, Rainbow vent field, Mid-Atlantic Ridge
- Faavne\_M6\_B18, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0961, Aurora vent field, Arctic Mid-Ocean Ridges**
- GCA\_026982535.1, Atlantic Ocean: Mid Atlantic Ridge
- AMOR20\_M1294, Fåvne vent field, Arctic Mid-Ocean Ridges
- IMG\_2836479923, 665-MMA4, TAG, Mid-Atlantic Ridge
- HC21\_M0959, Aurora vent field, Arctic Mid-Ocean Ridges**
- AMOR20\_M1298, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0885, Aurora vent field, Arctic Mid-Ocean Ridges**
- HC21\_M0697, Aurora vent field, Arctic Mid-Ocean Ridges**
- HC21\_M0328, Aurora vent field, Arctic Mid-Ocean Ridges**
- IMG\_2772190966, S1, Loihi Seamount, Hawaii: Pohaku (Marker 57)
- GCA\_027018935.1, Pacific Ocean: Lau Basin
- HC21\_M0971, Aurora vent field, Arctic Mid-Ocean Ridges**
- NORP111, Atlantic Ocean: North Pond (GCA\_002401835.1)
- HC21\_M0766, Aurora vent field, Arctic Mid-Ocean Ridges**
- GCA\_027005975.1, Pacific Ocean: Brothers volcano
- GCA\_027008465.1, Pacific Ocean: Brothers volcano
- Mariprofundus ergo P7, USA: North Creek, Bath, NC (GCA\_005818885.1)
- Mariprofundus ergo P3, USA: Mallard Creek, Washington, NC (GCA\_005818865.1)
- CG\_4\_10\_14\_3\_um\_filter\_54\_28, USA: Crystal Geyser near Green River, Utah (GCA\_002782825.1)
- Mariprofundus ferrooxydans M34, Loihi Seamount, Hawaii (GCA\_000379405.1)
- Mariprofundus ferrooxydans O1, USA: Pamlico Sound, Rodanthe, Hatteras Island, NC (GCA\_0011947535.1)
- Mariprofundus ferrooxydans JV-1, Lower Jet Vents, Marker 11 (GCA\_001273615.1)
- Mariprofundus ferrooxydans PV-1, Loihi Seamount, Hawaii (GCA\_000153765.1)
- Mariprofundus micoguttata ET2, Japan-Izu-Ogasawara Arc (GCA\_001895085.1)
- Mariprofundus sp. KV, Denmark: Kato Vig, Aarhus Bay (GCA\_013387475.1)
- Mariprofundus sp. NF, Denmark: Norsminde Fjord, Aarhus Bay (GCA\_013387455.1)
- Mariprofundus ferritatus CP-8, USA: Chesapeake Bay (GCA\_002795825.1)
- Mariprofundus aestuarium CP-5, USA: Chesapeake Bay (GCA\_002795805.1)
- NORP257, Atlantic Ocean: North Pond (GCA\_016764685.1)
- AMOR20\_M1284, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0722, Aurora vent field, Arctic Mid-Ocean Ridges**
- OFTM252, subsea tunnel biofilm, Norway: Oslofjord Tunnel (GCA\_021772775.1)
- AMOR20\_M1282, Fåvne vent field, Arctic Mid-Ocean Ridges
- Mariprofundus sp. EBB-1, USA: East Boothbay, Maine (GCA\_003665155.1)
- IMG\_2836455305, 665-MMA12, TAG, Mid-Atlantic Ridge
- IMG\_2836431279, 664-BS3, Rainbow, Mid-Atlantic Ridge
- IMG\_2836500517, Urashima, Golden Horn chimney, Mariana Backarc
- HC21\_M1160, Aurora vent field, Arctic Mid-Ocean Ridges**
- GCA\_027060005.1, Pacific Ocean: Brothers volcano
- AMOR20\_M1280, Fåvne vent field, Arctic Mid-Ocean Ridges
- HC21\_M0139, Aurora vent field, Arctic Mid-Ocean Ridges**



Tree scale: 0.2

Mariprofundus