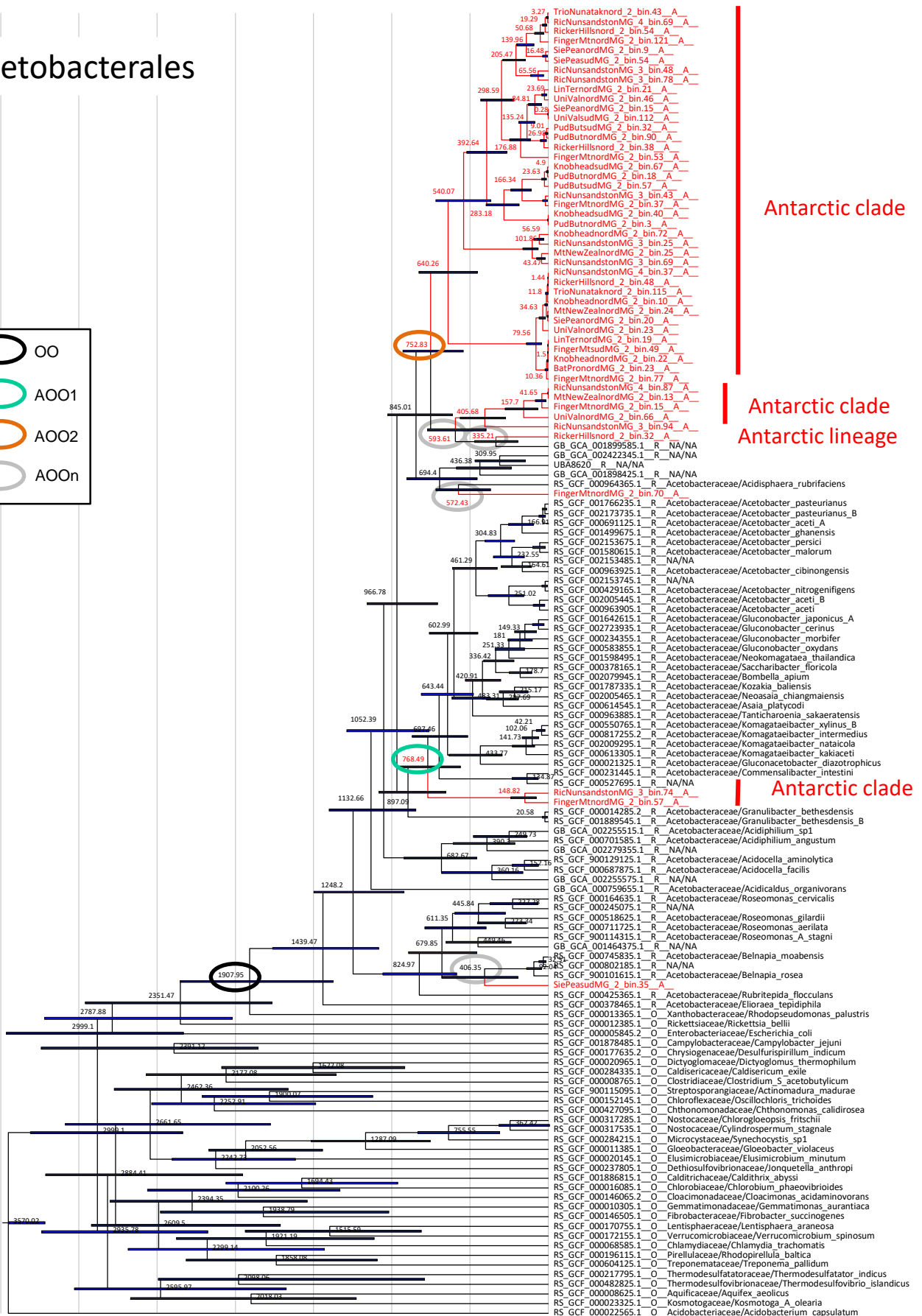
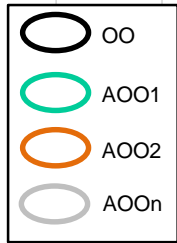


Bayesian posterior consensus trees of each of the 19 bacterial order datasets. For all nodes we provide the mean estimate (in million of years) and the 95% High Posterior densities of estimates (as bars). Uniquely Antarctic clades or lineages are depicted in red. For each of the orders we show the origin of the Order (OO: the split of the order from the closest order) with a black circle; the origin of the oldest uniquely Antarctic clade or lineage with a green circle (AOO1: the split of the Antarctic clade from a non-Antarctic lineage of the same order); where present, the origin of the second oldest Antarctic clade (AOO2) with a orange circle, and the origin of other eventual only Antarctic clades or lineages (A00n) with grey circle.

Acetobacterales



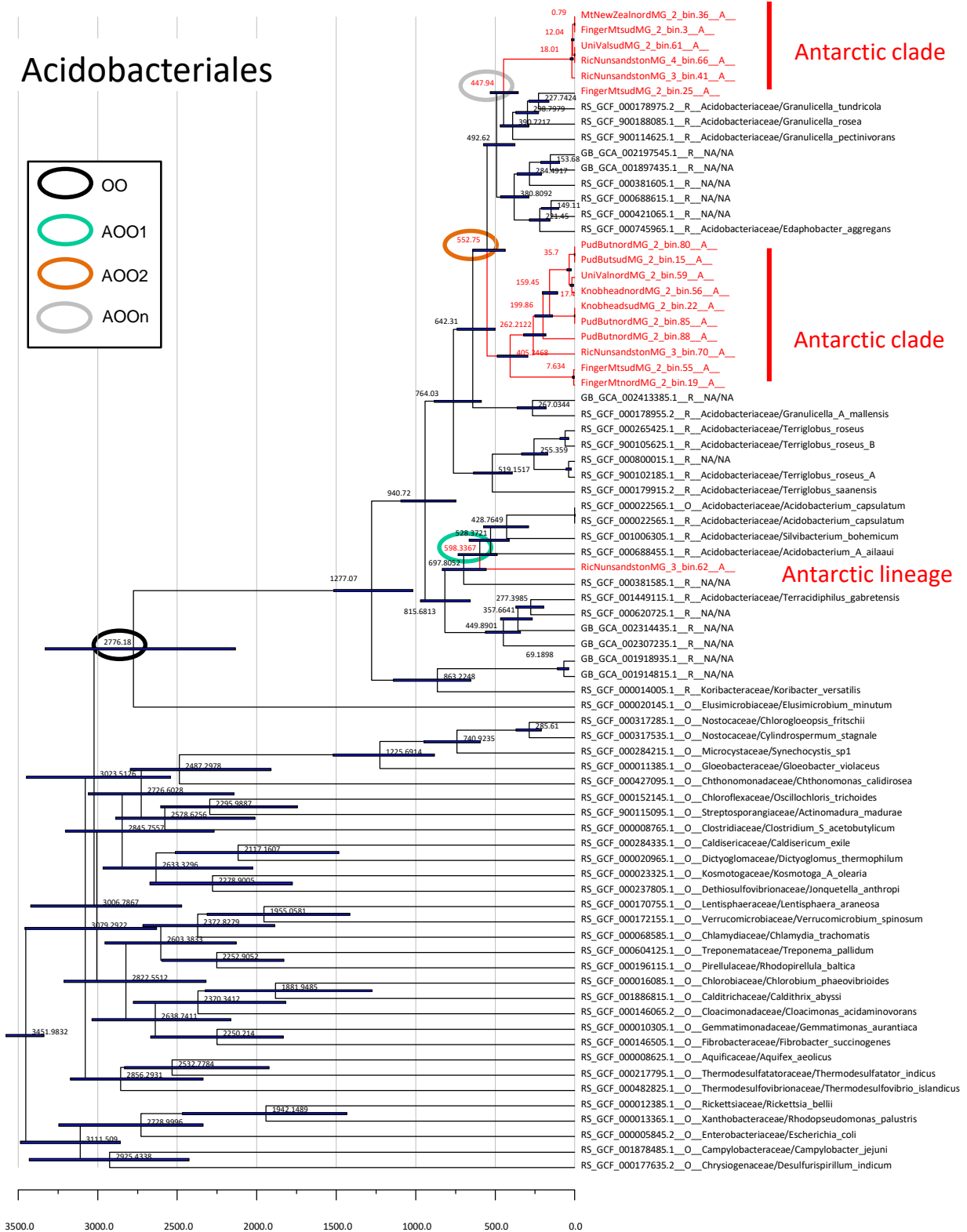
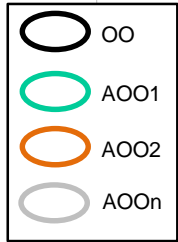
Antarctic clade

Antarctic clade
Antarctic lineage

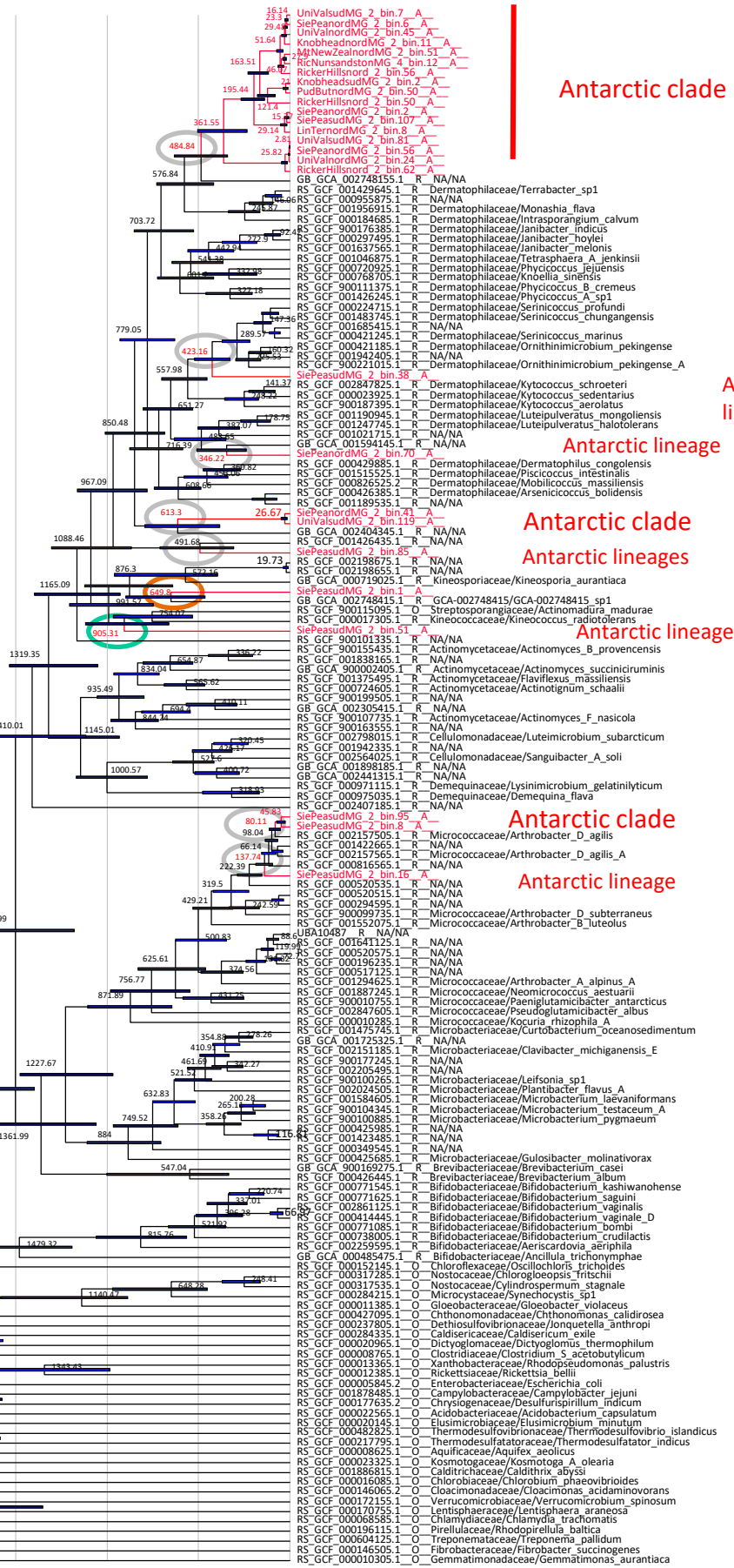
Antarctic clade

4000.0 3500.0 3000.0 2500.0 2000.0 1500.0 1000.0 500.0 0.0

Acidobacteriales

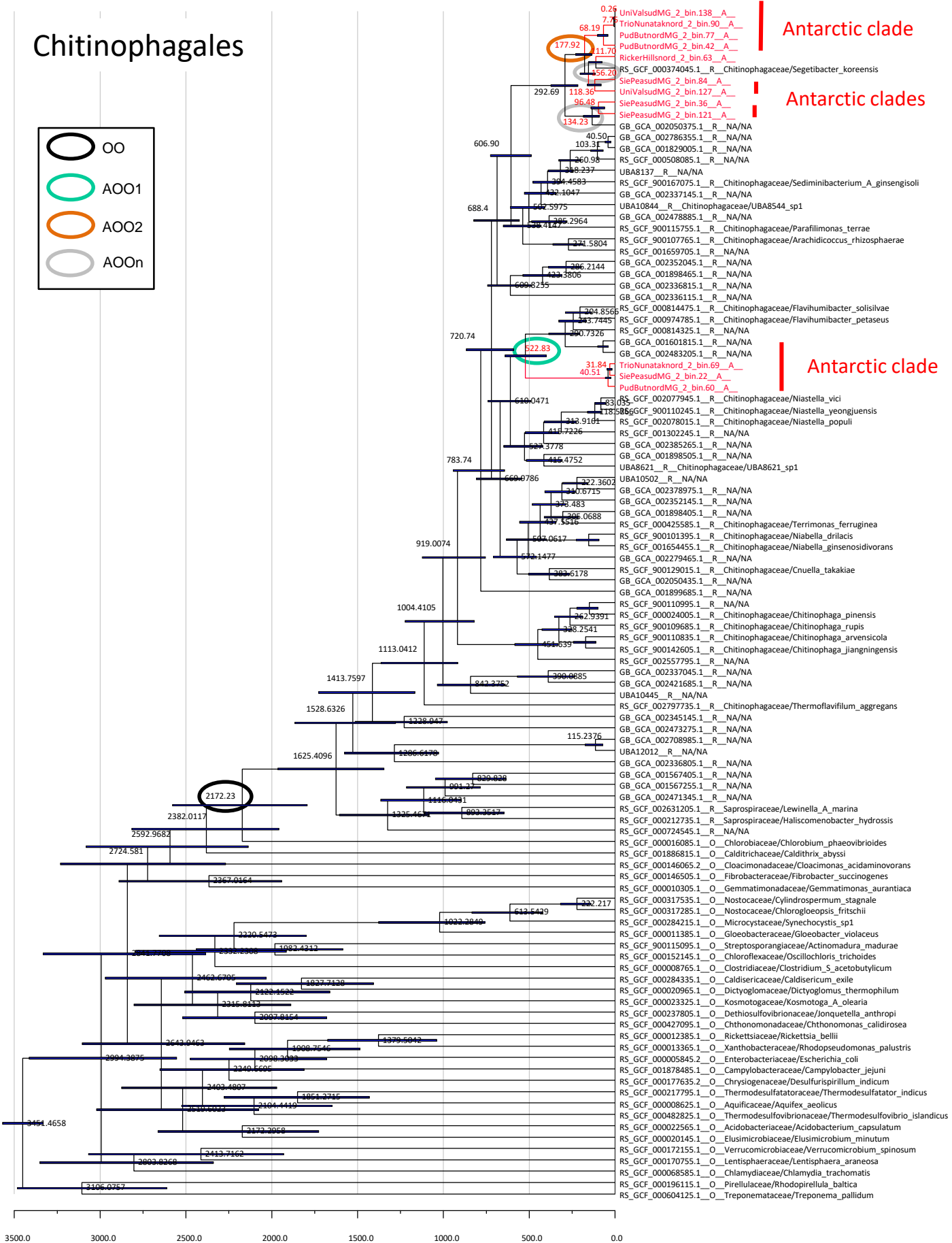
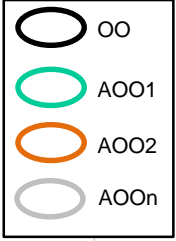


Actinomycetales

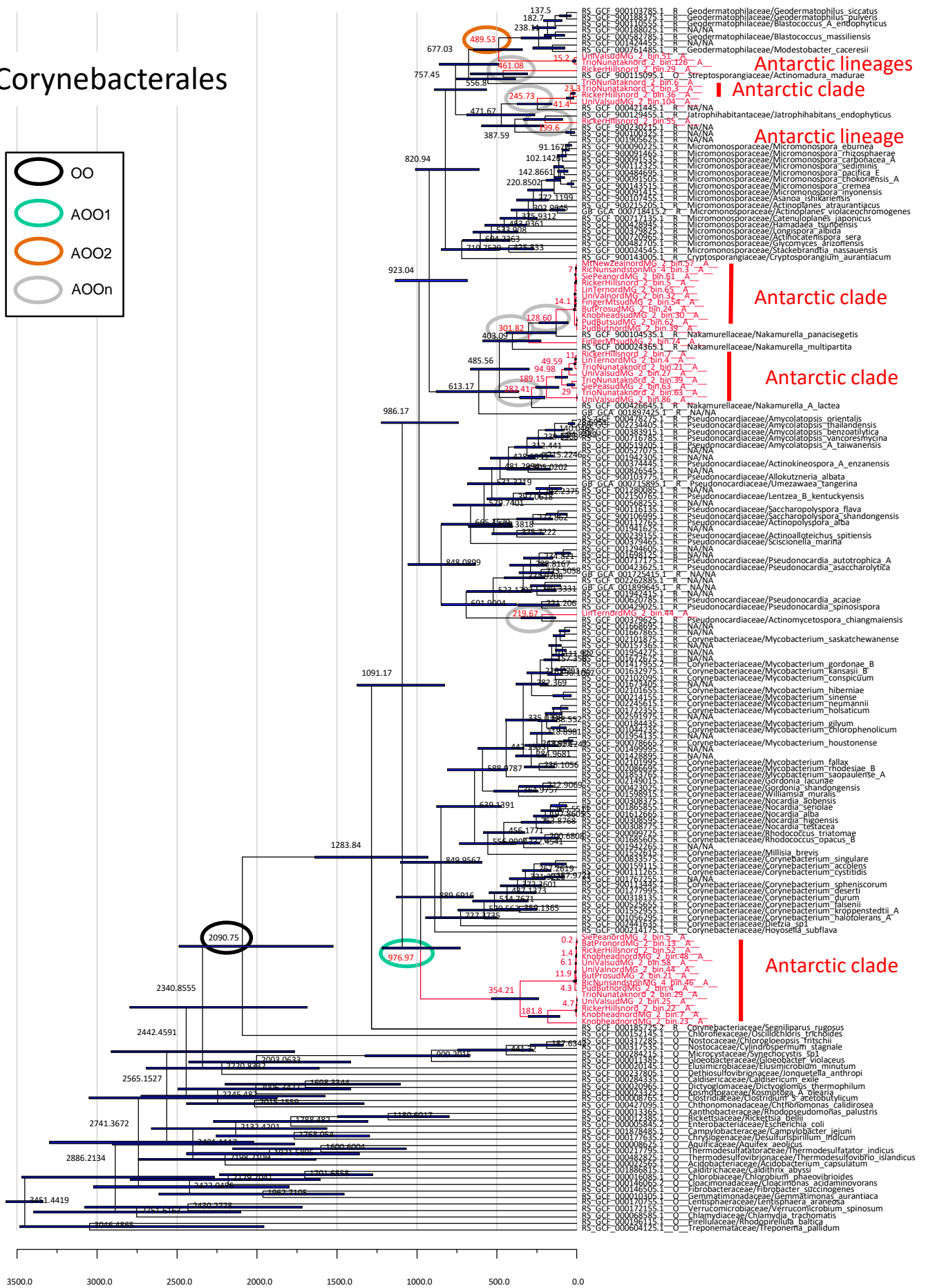
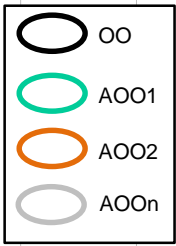


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Chitinophagales



Corynebacterales



Antarctic lineages

Antarctic clade

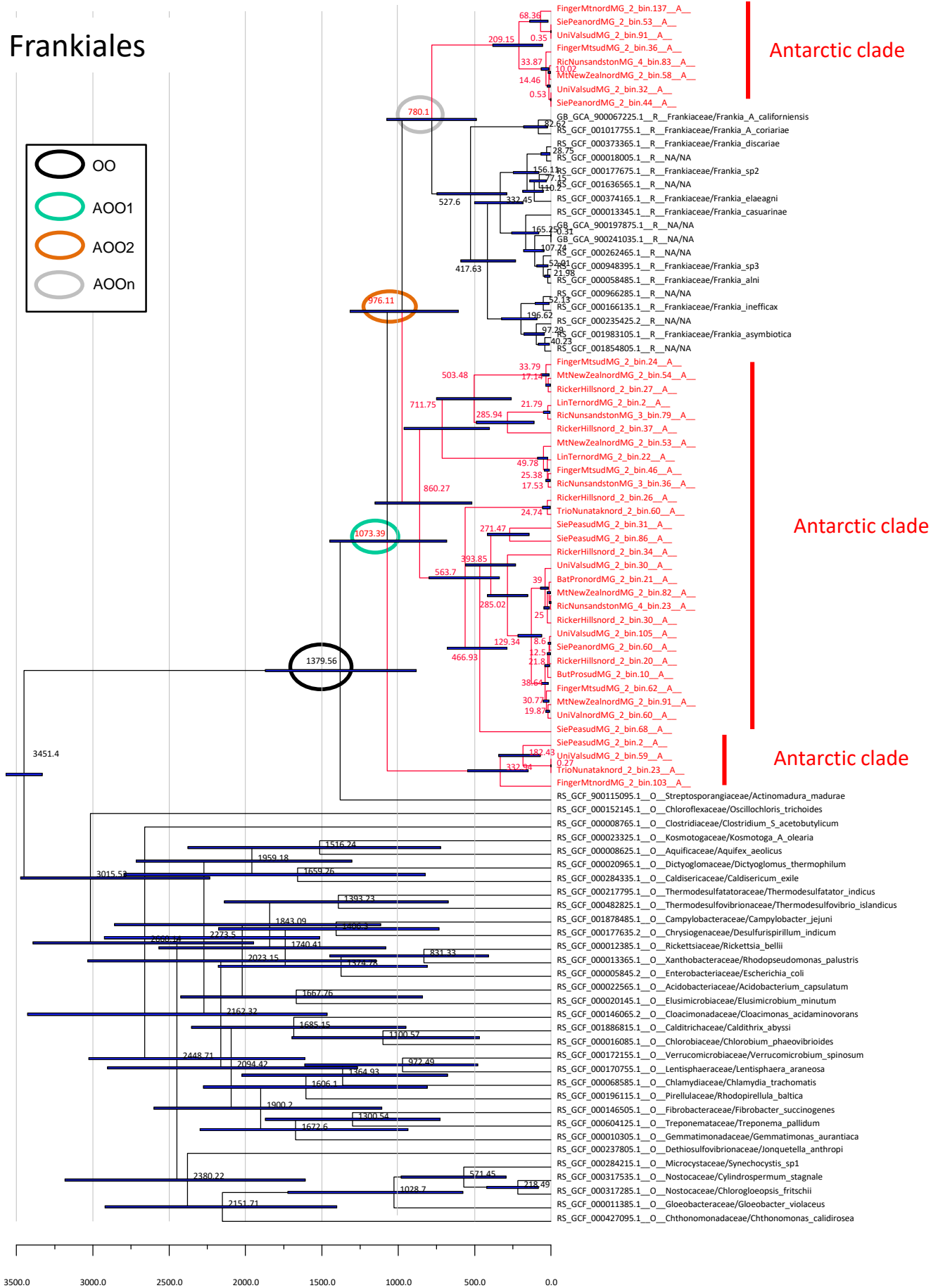
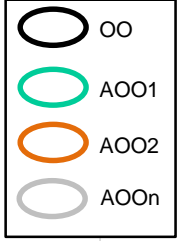
Antarctic lineage

Antarctic clade

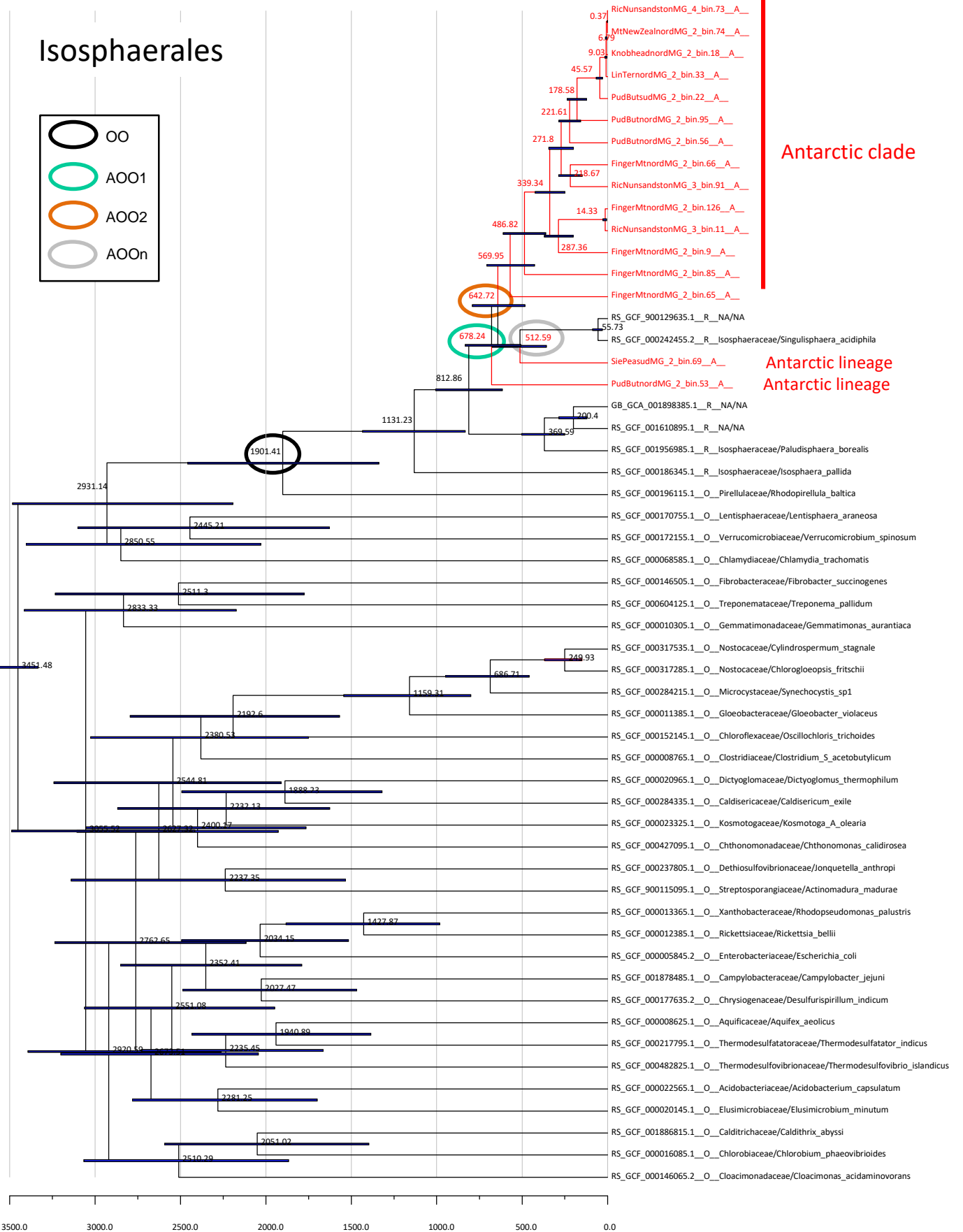
Antarctic clade

Antarctic clade

Frankiales



Isosphaerales



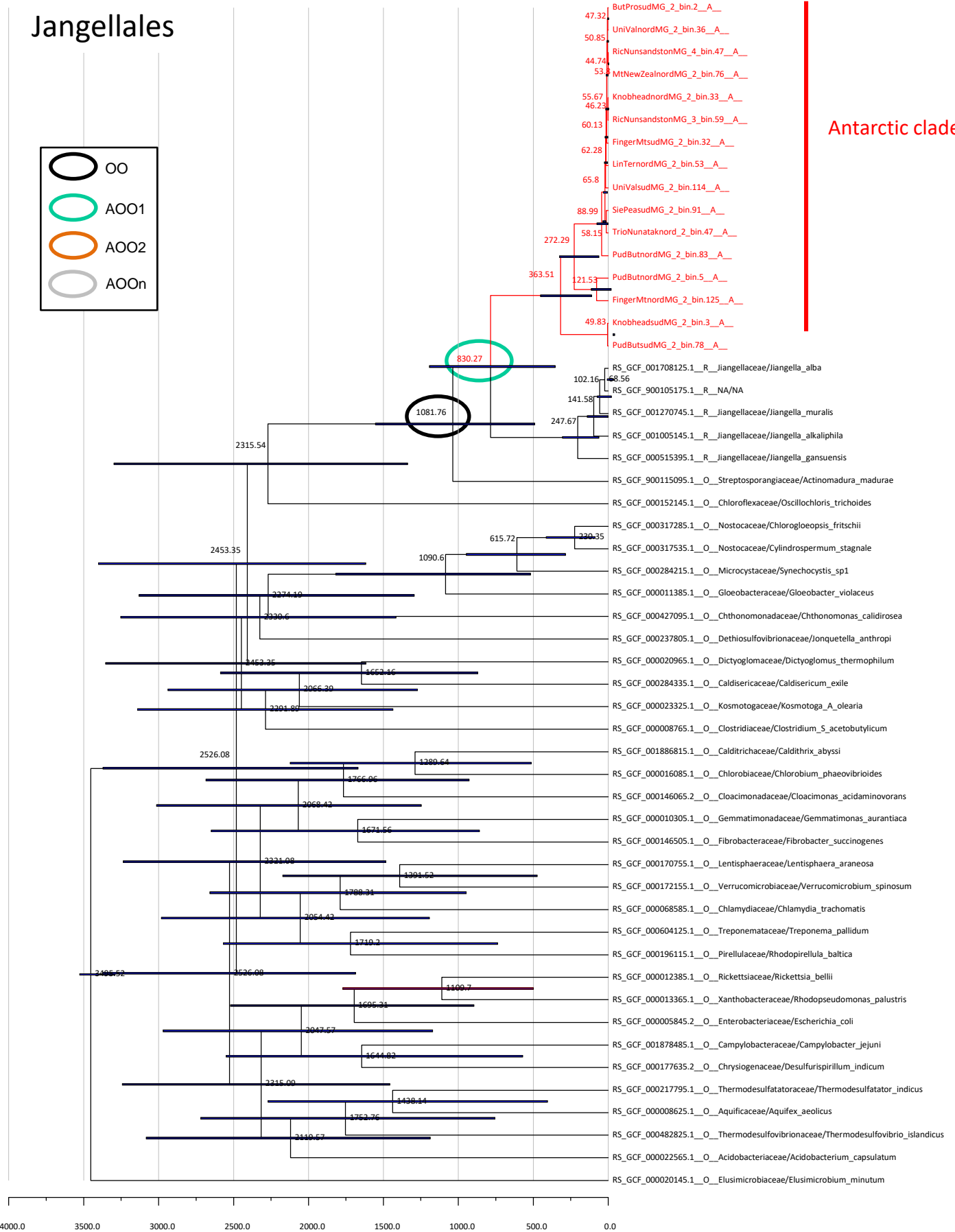
Antarctic clade

Antarctic lineage
Antarctic lineage

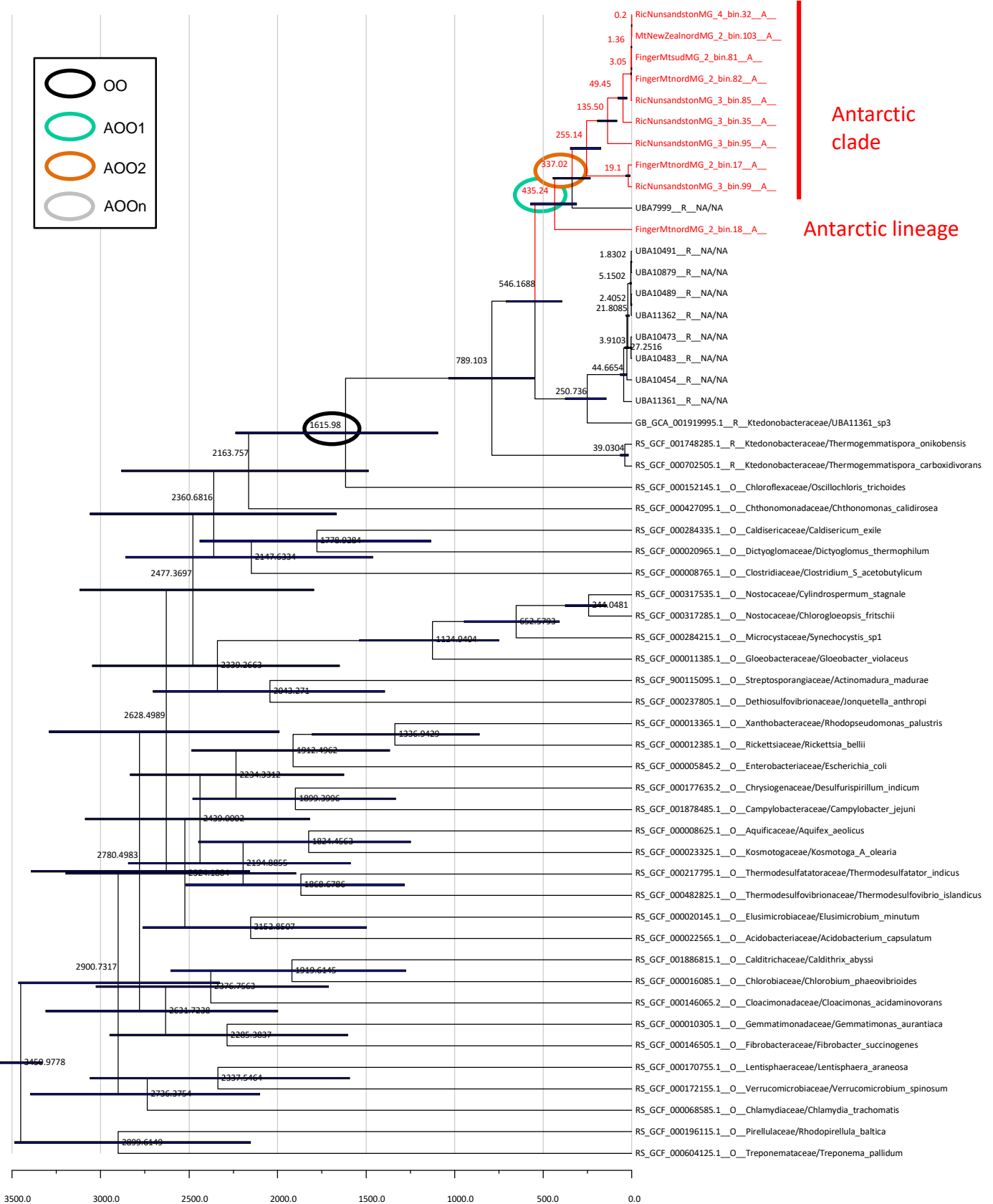
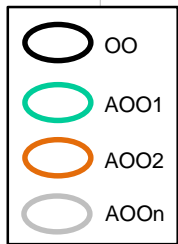
Jangellales



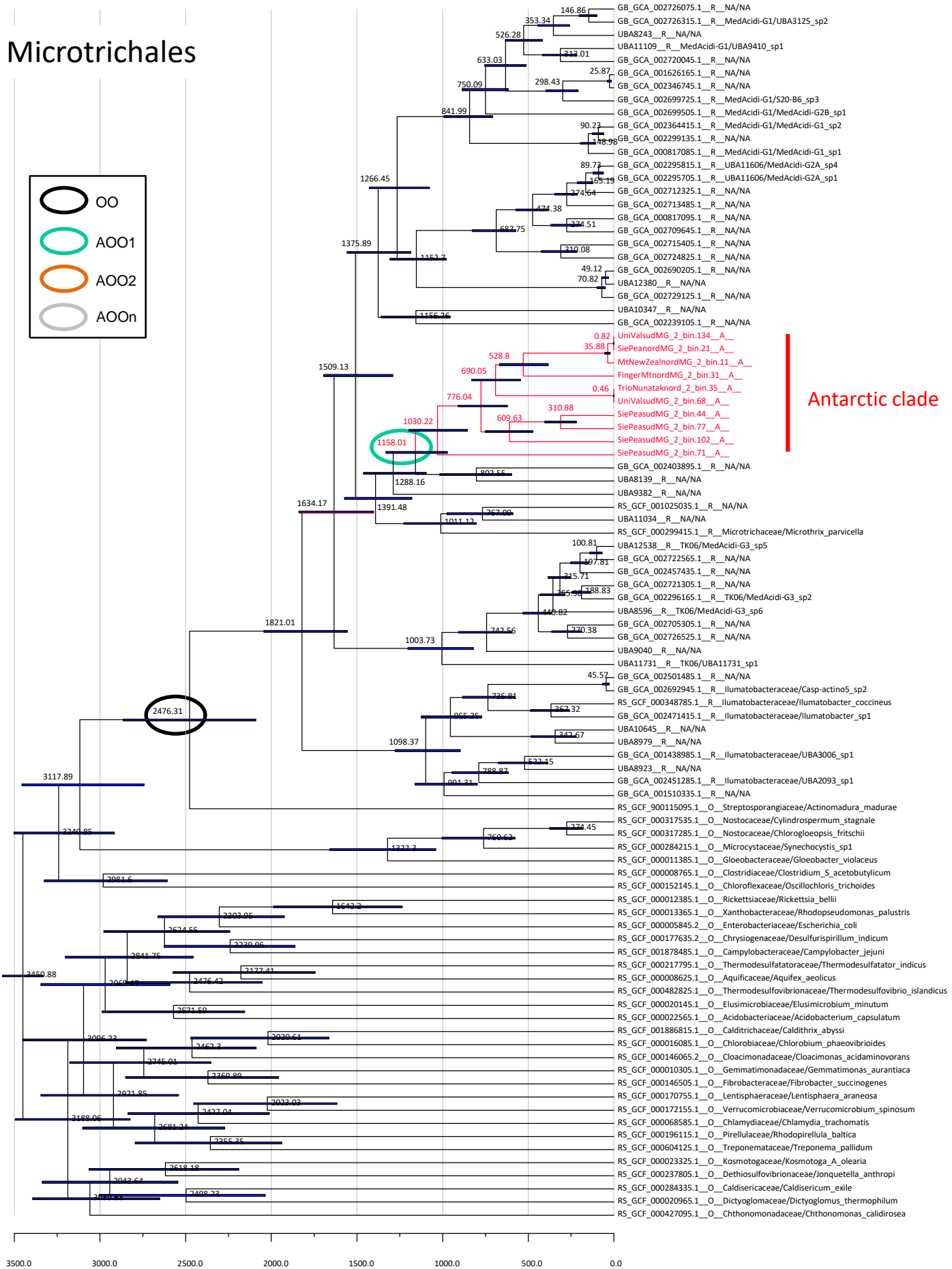
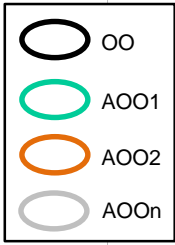
Antarctic clade



Ktedonobacterales

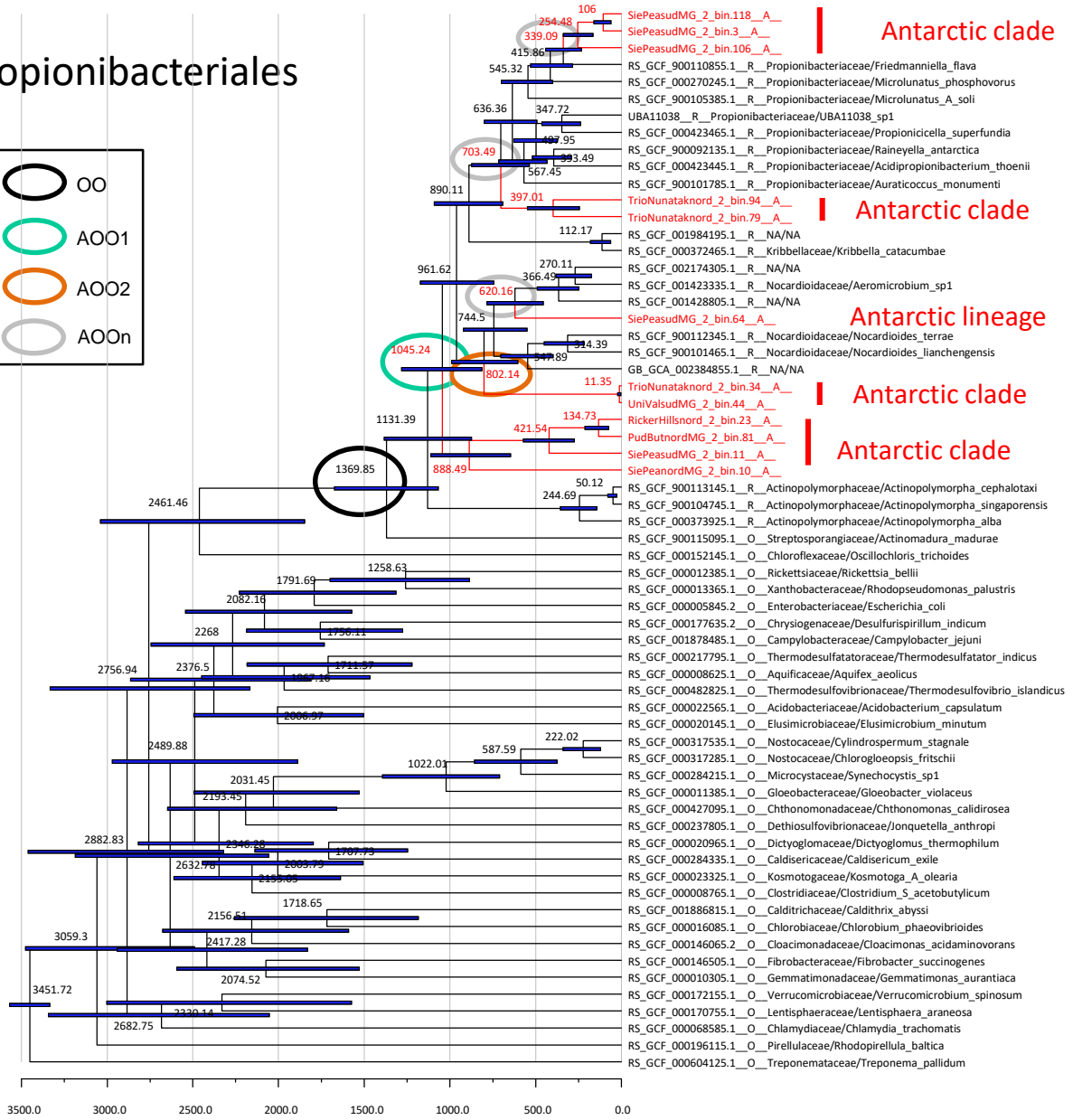
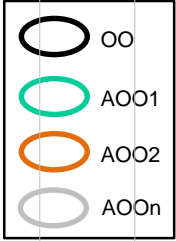


Microtrichales

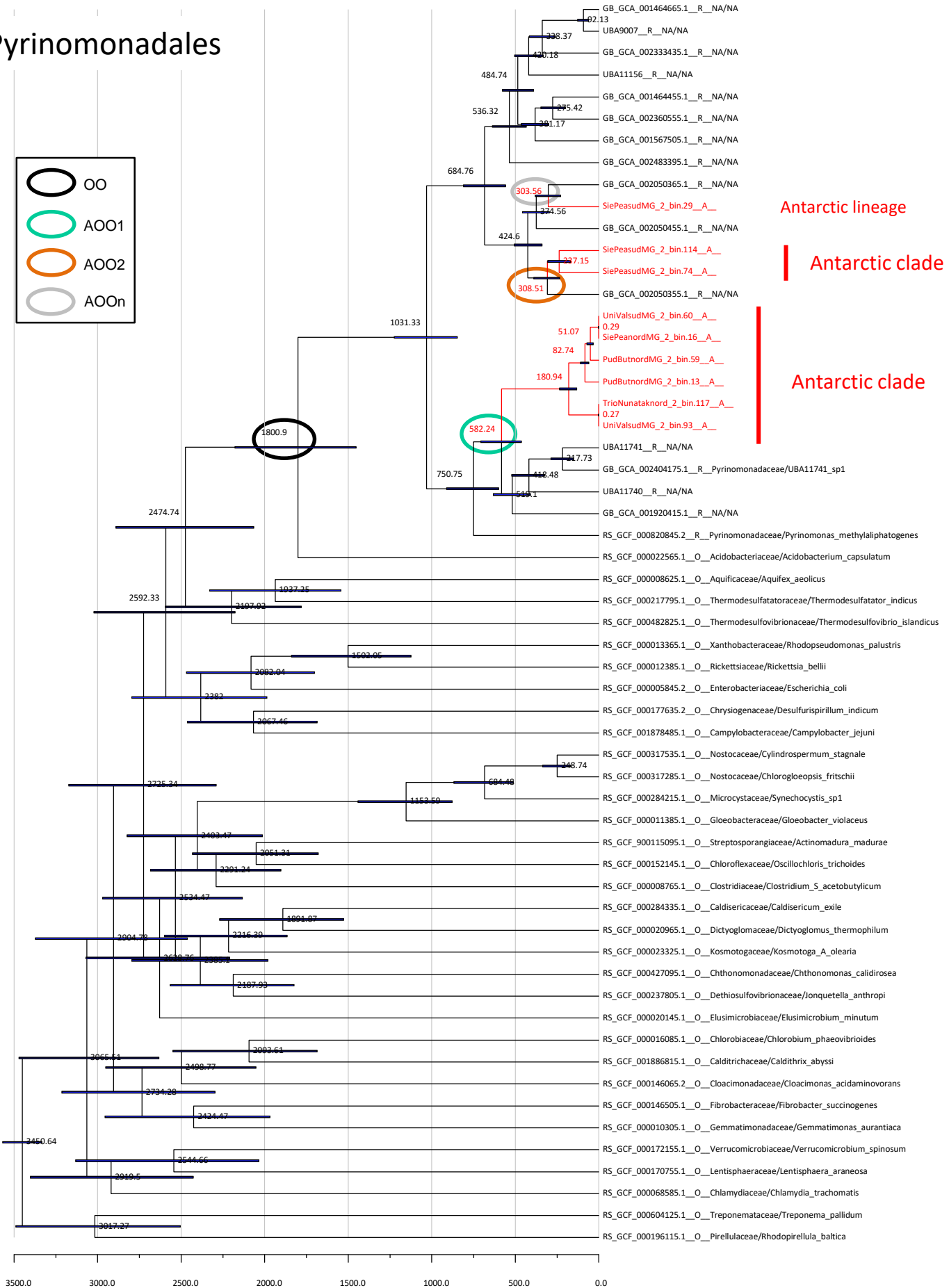
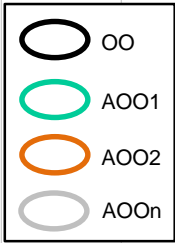


Antarctic clade

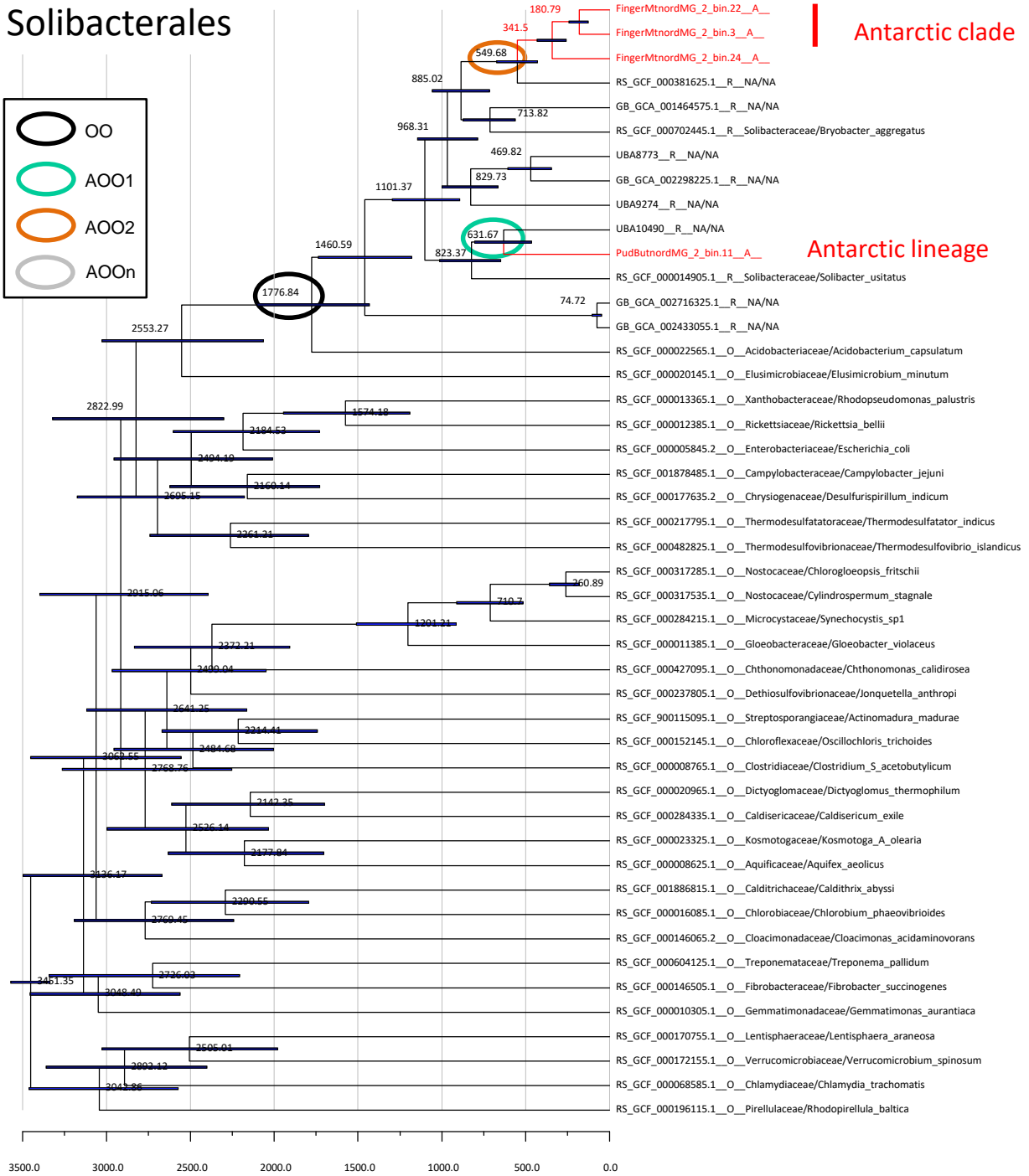
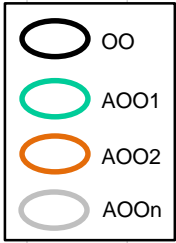
Propionibacteriales



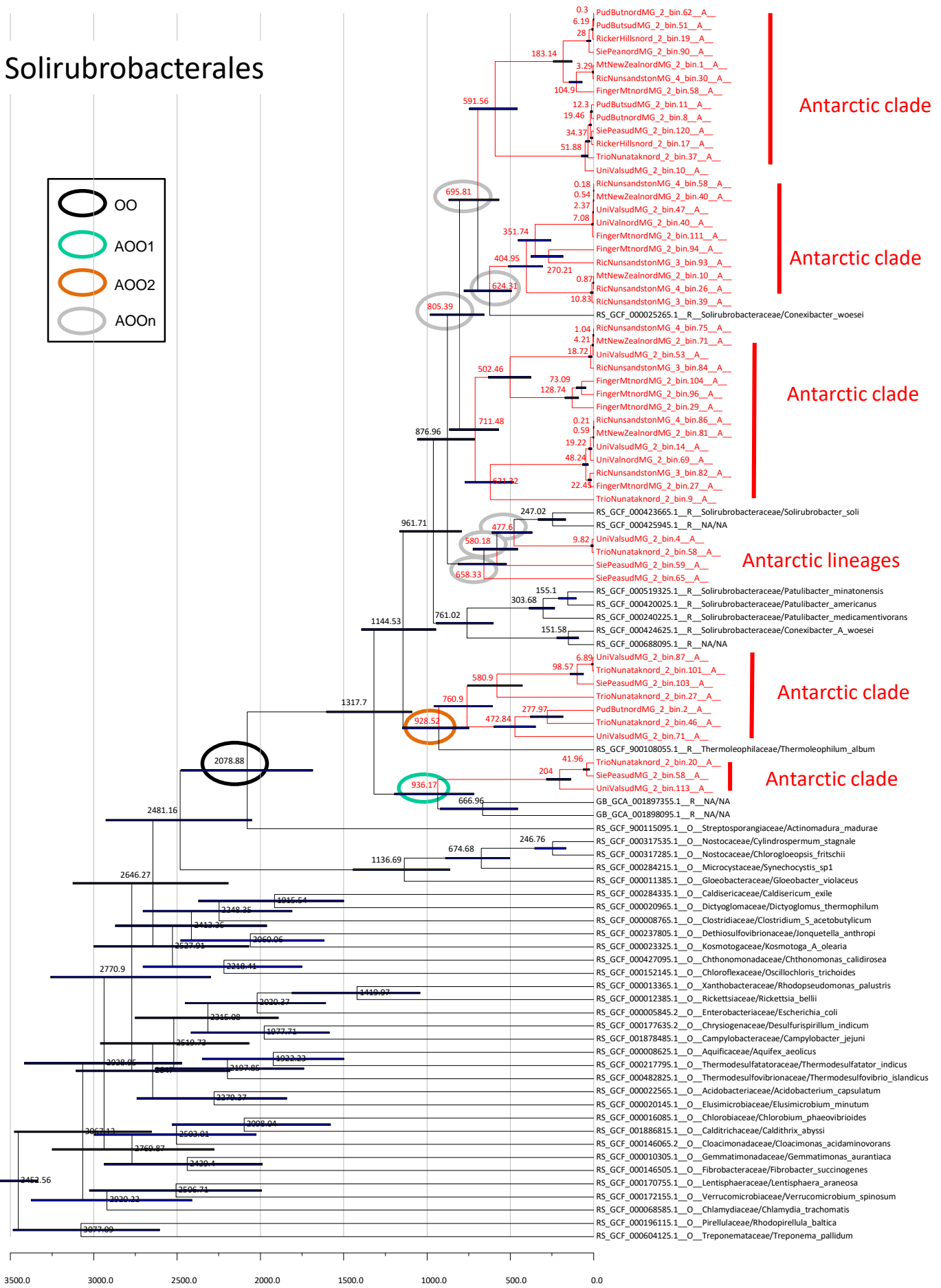
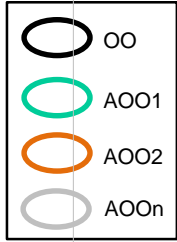
Pyrinomonadales



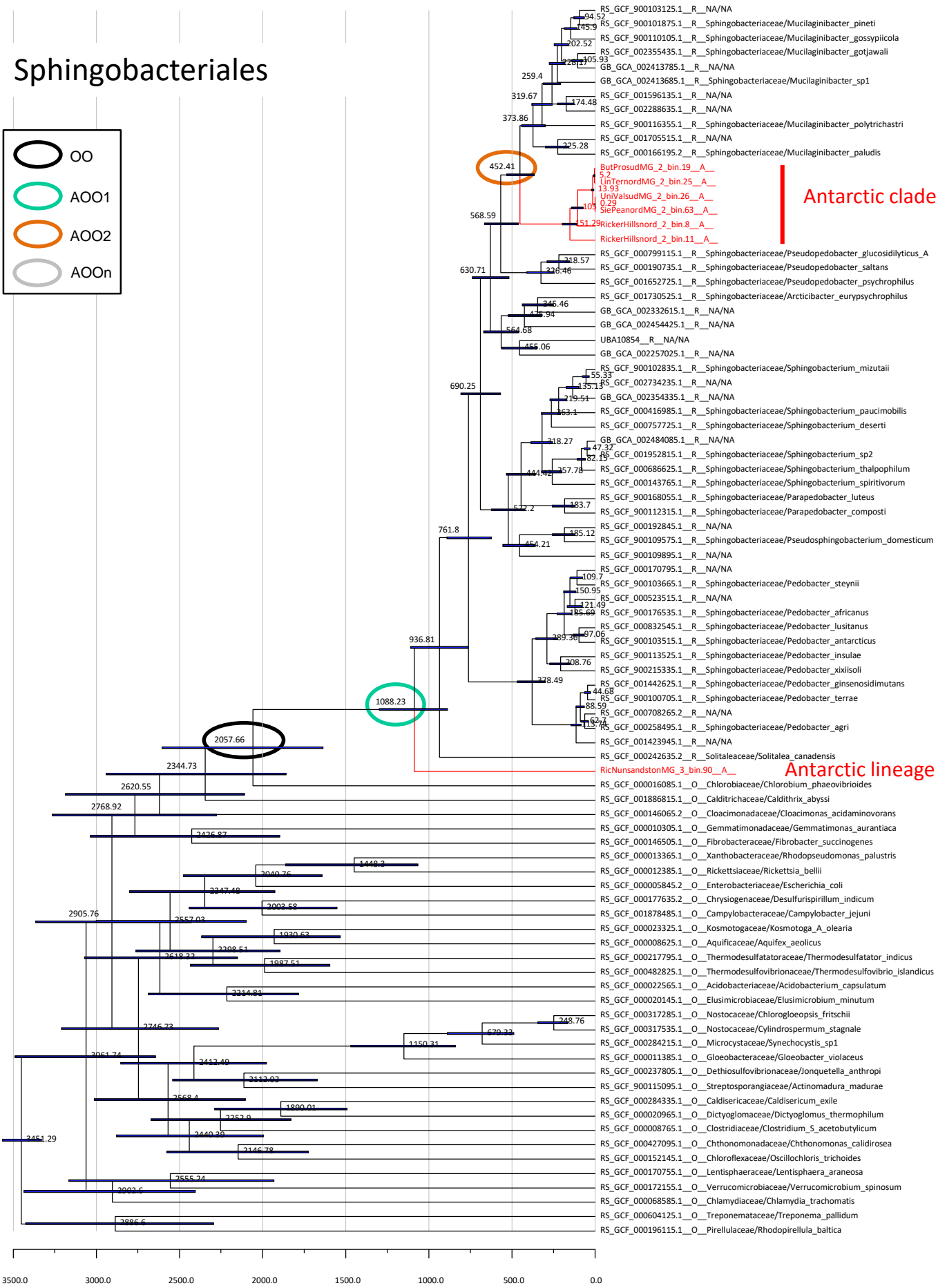
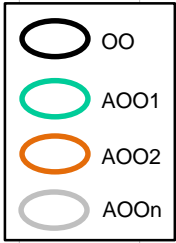
Solibacterales



Solirubrobacterales



Sphingobacteriales

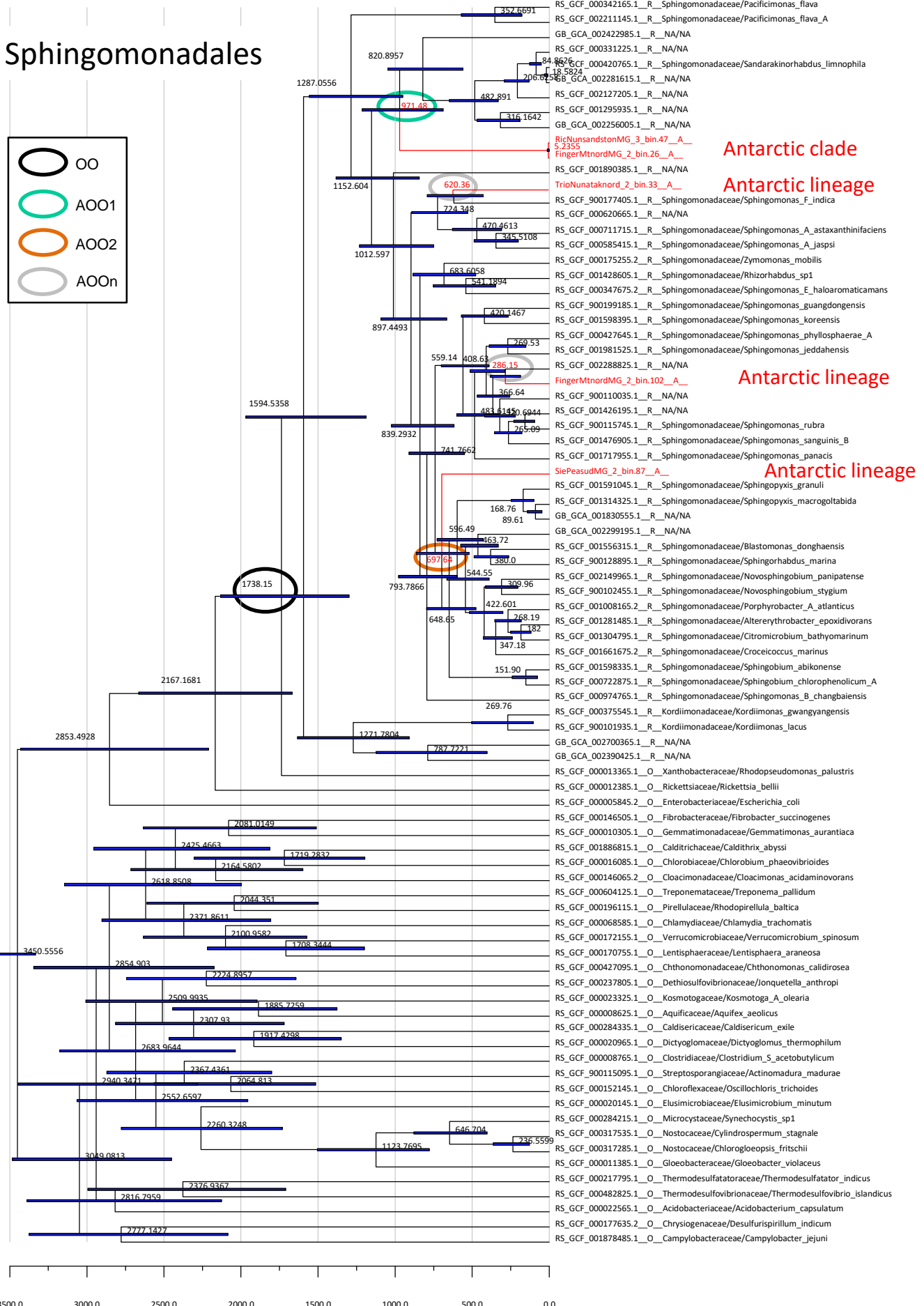
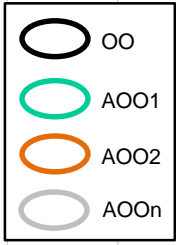


Antarctic clade

Antarctic lineage

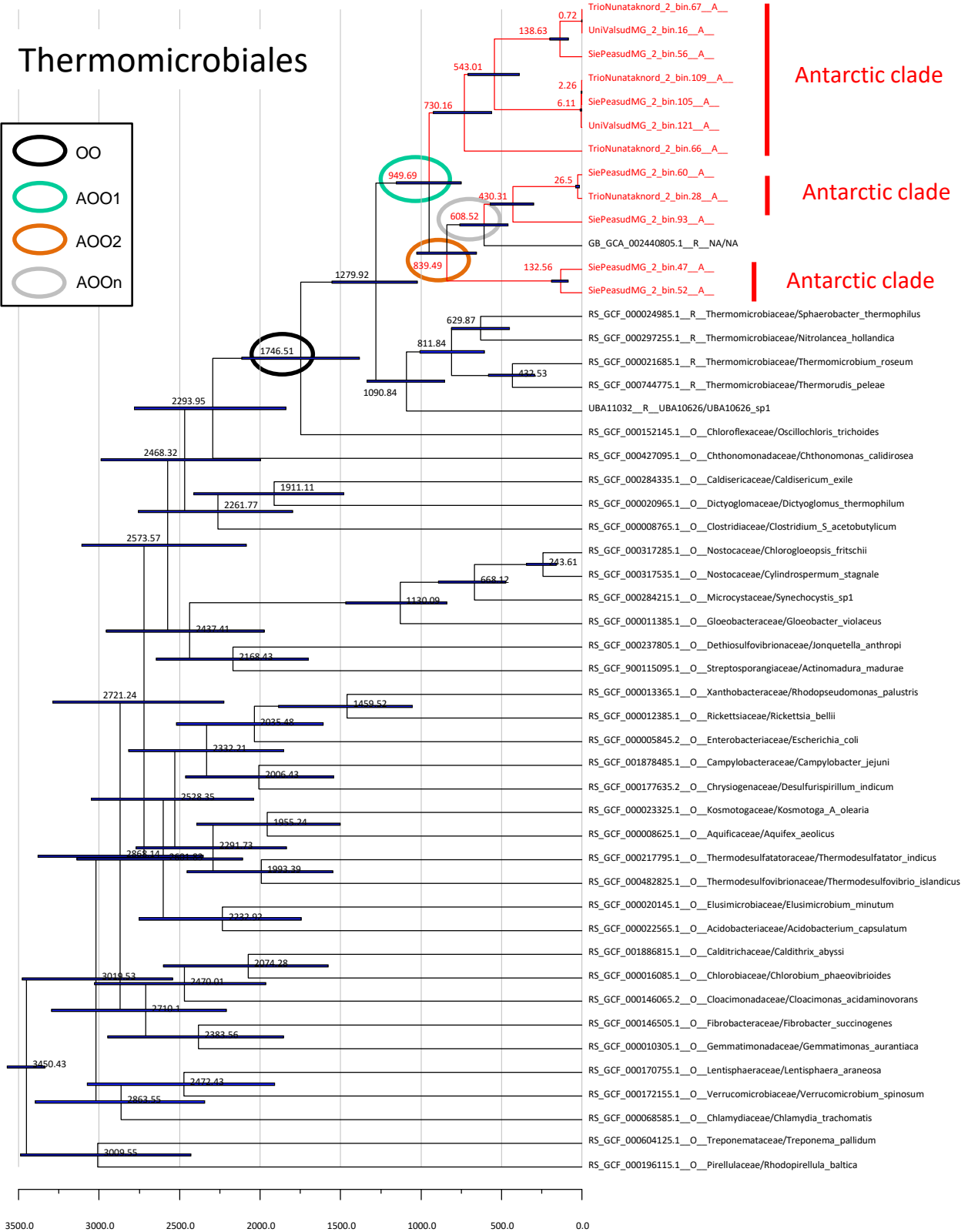
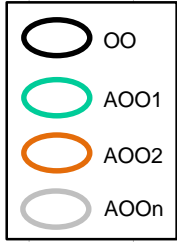
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Sphingomonadales



3500.0 3000.0 2500.0 2000.0 1500.0 1000.0 500.0 0.0

Thermomicrobiales



Uba5184

