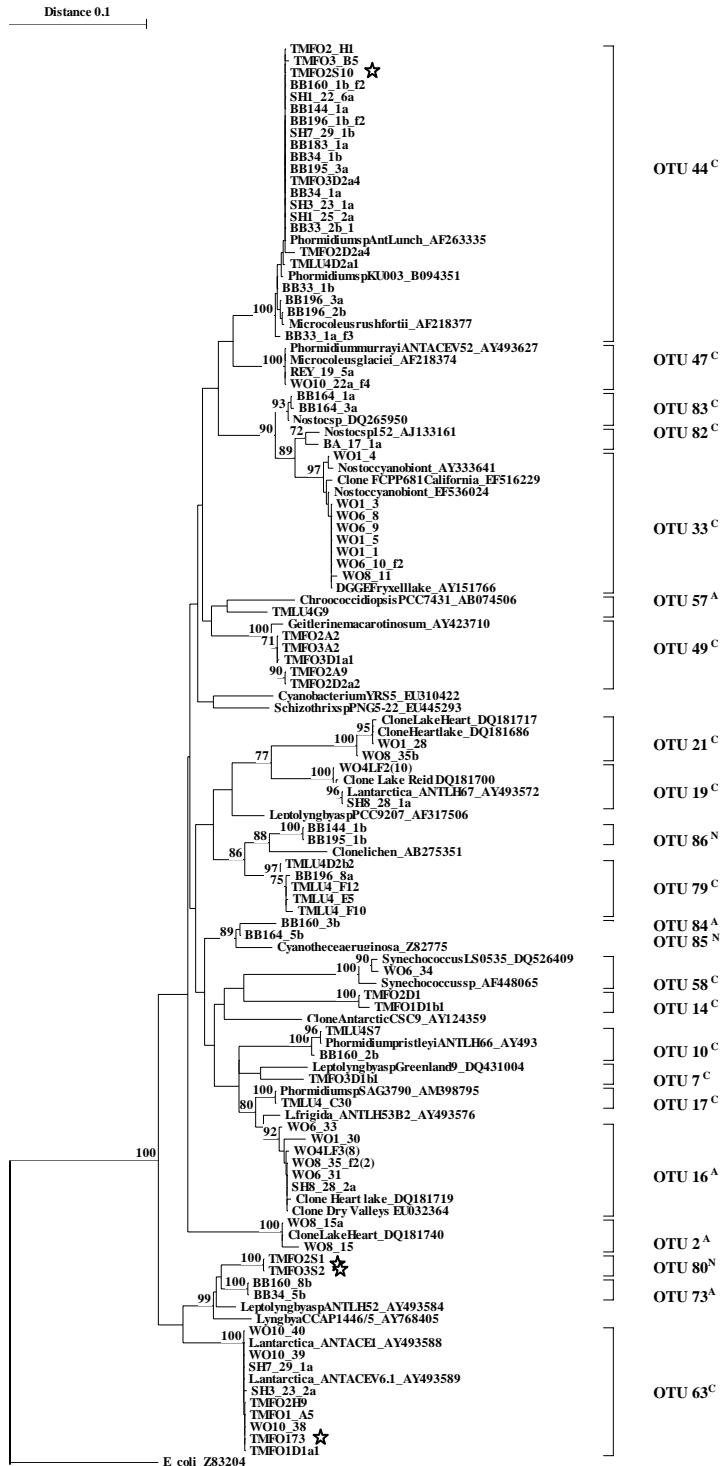


## **Appendix 1, figures**

### **List of figures:**

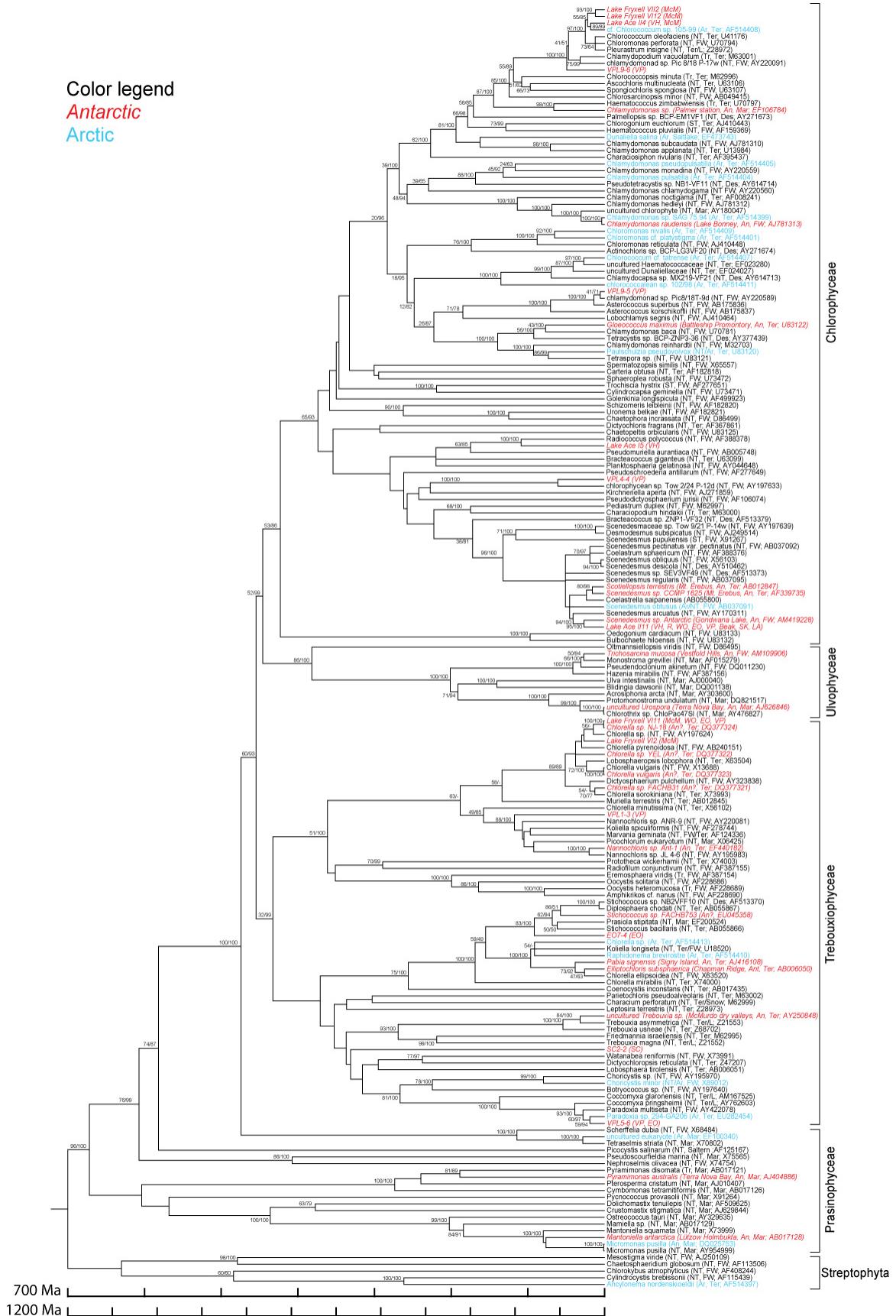
**Figure 1.** Neighbor joining tree based on cyanobacterial partial 16S rRNA gene sequences.

**Figure 2.** Phylogenetic tree with molecular clock. Timescale divided in 100 Ma intervals.



**Fig. 1.** A phylogenetic tree based on cyanobacterial partial 16S rRNA gene sequences constructed with the TREECON software. Clones and DGGE sequences from different Antarctic samples are grouped into OTUs. A: Antarctic, C: cosmopolitan and N: new. The Neighbor joining method was used, bootstrap values equal or higher than 70 % are indicated besides the nodes.

Color legend  
**Antarctic**  
**Arctic**



**Fig. 2 App. 1** Phylogenetic tree with molecular clock. Timescale divided in 100 Ma intervals.