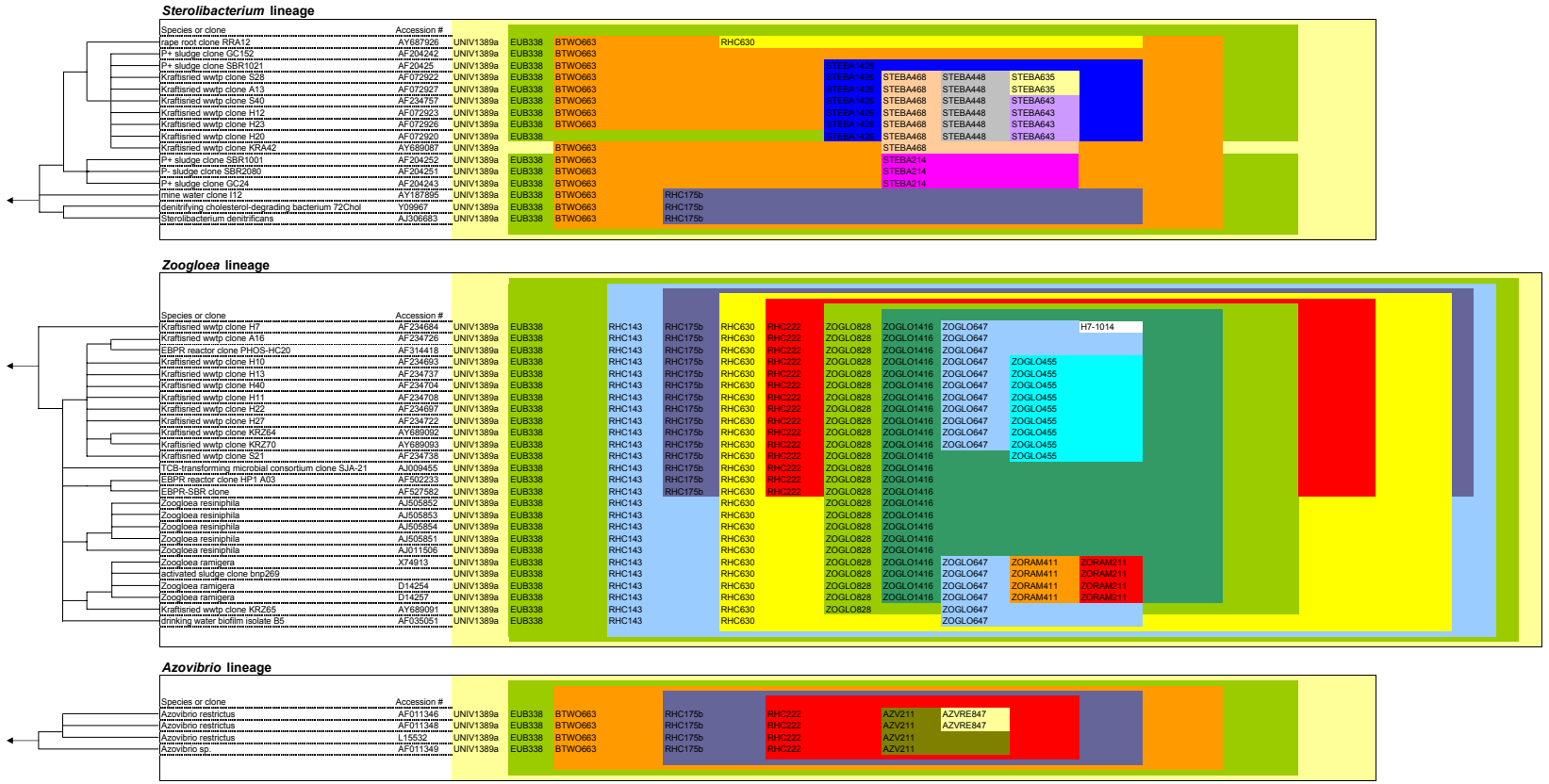
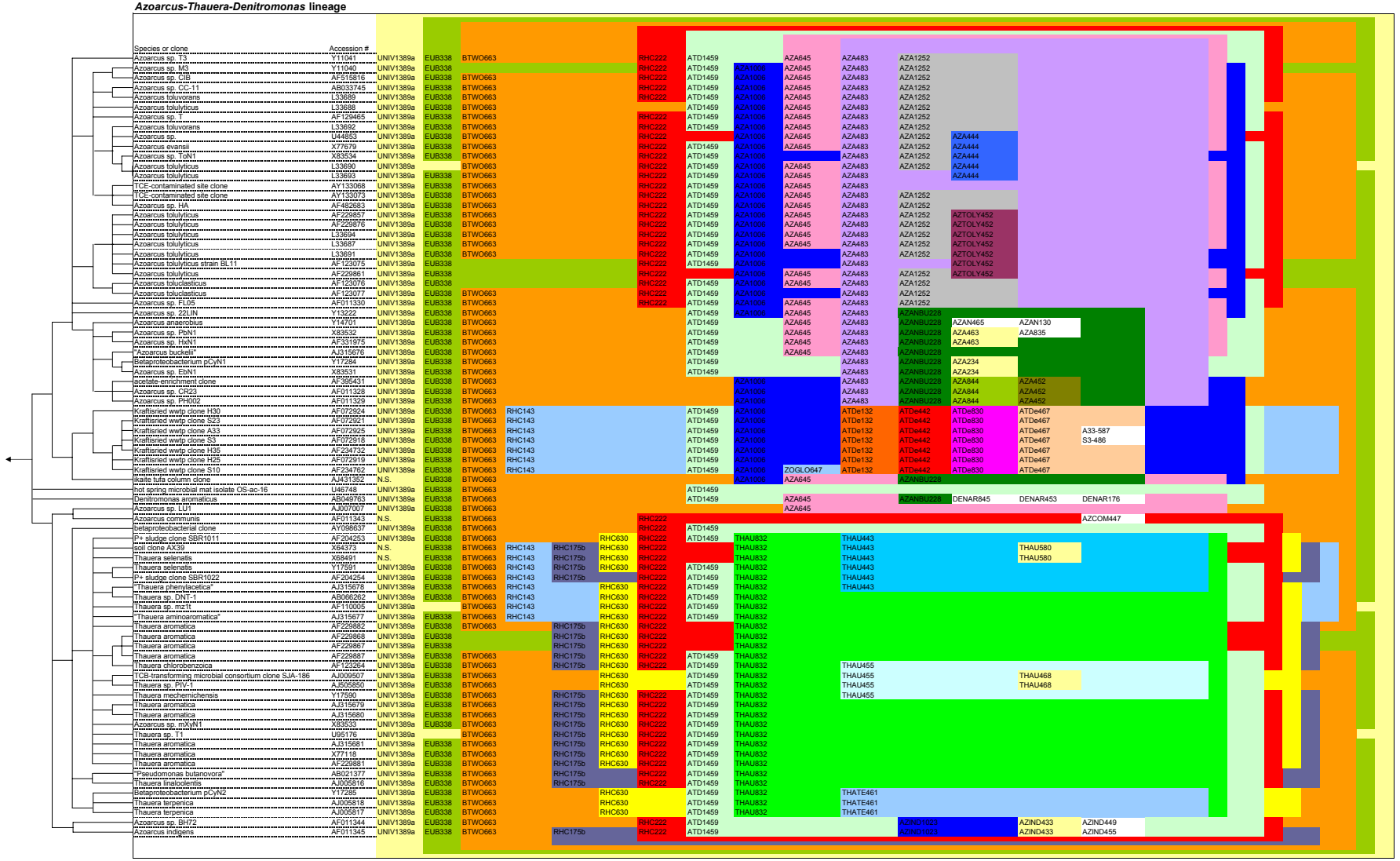
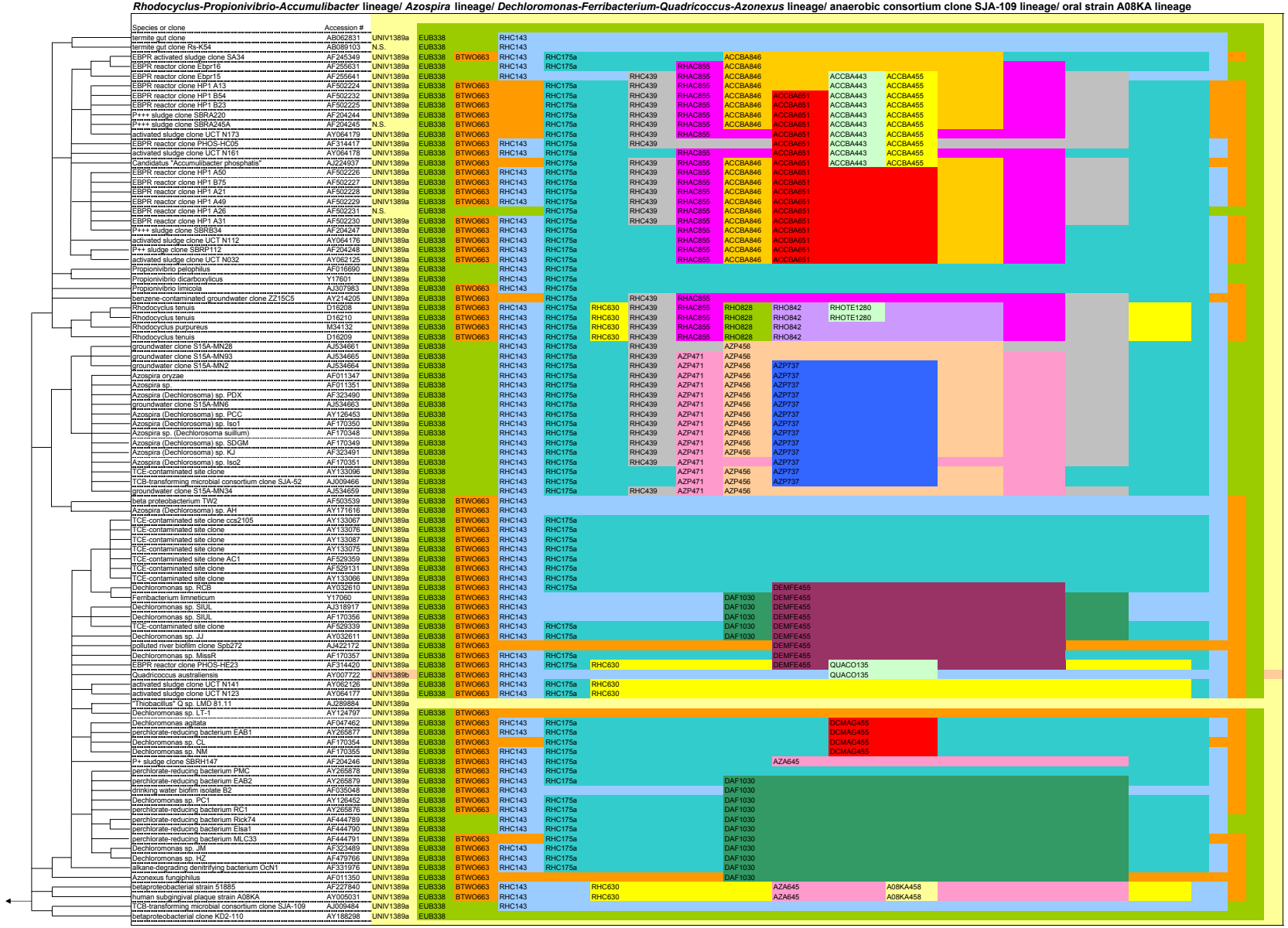
Supplementary web Figure 2. Schematic phylogenetic trees of the nine *"Rhodocyclales"* lineages illustrating the hierarchical and parallel specificities (perfectly matching target organisms) of RHC-PhyloChip probes (colored boxes). N.S. organism not sequenced at the probe target site.



***Azoarcus-Thauera-Denitromonas* lineage**



Rhodocyclus-Propionivibrio-Accumulibacter **lineage/** ***Azospira*** **lineage/** ***Dechloromonas-Ferribacterium-Quadricoccus-Azonexus*** **lineage/ anaerobic consortium clone SJA-109 lineage/ oral strain A08KA lineage**