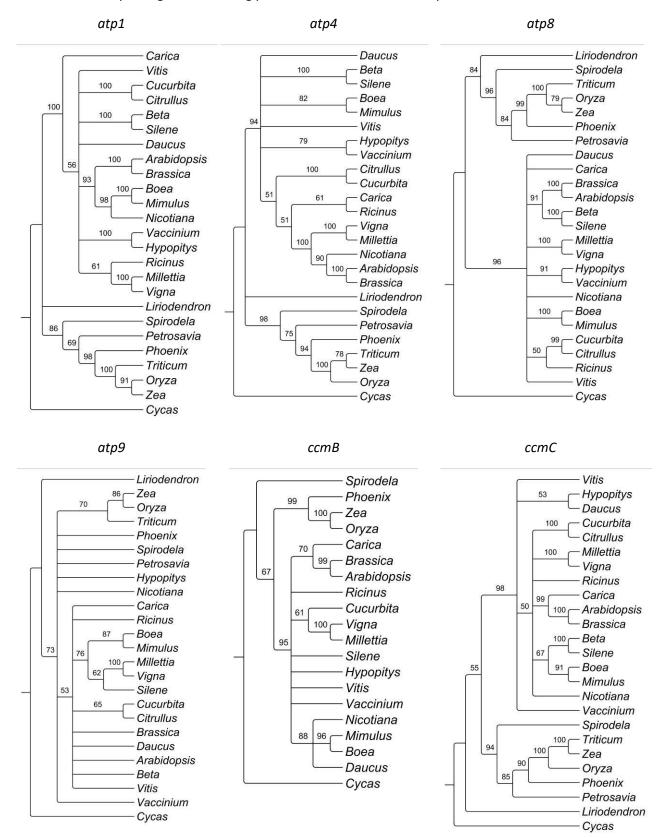
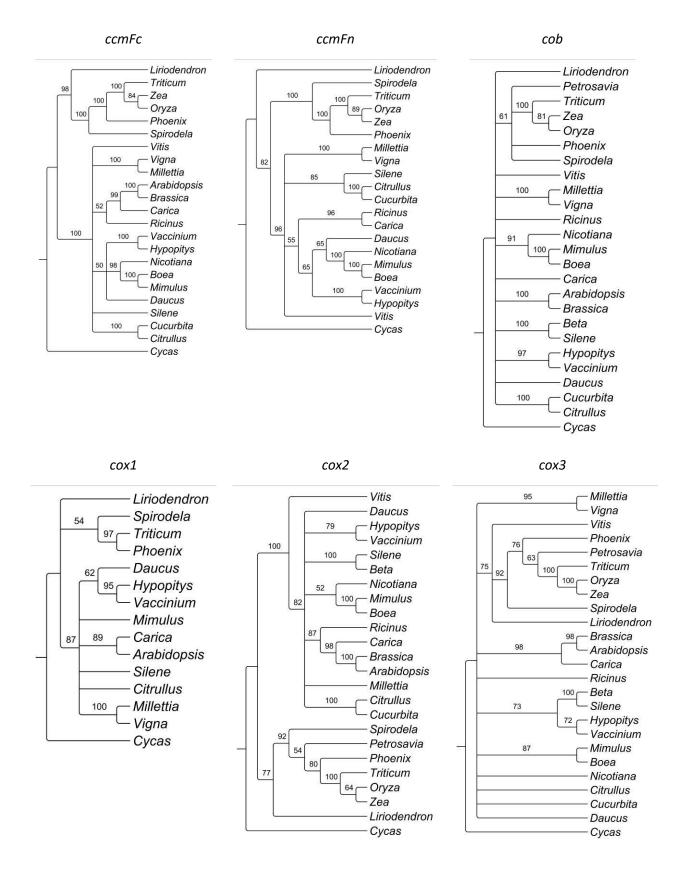
## Supplementary figure 5.

Phylogenetic trees inferred from ML analysis of single mitochondrial genes. Protein coding genes that were annotated in mitochondrial genomes of *Hypopitys monotropa*, *Vaccinium macrocarpon* and all main evolutionary lineages of flowering plants are included in the analysis.





Hypopitys Vaccinium

Spirodela

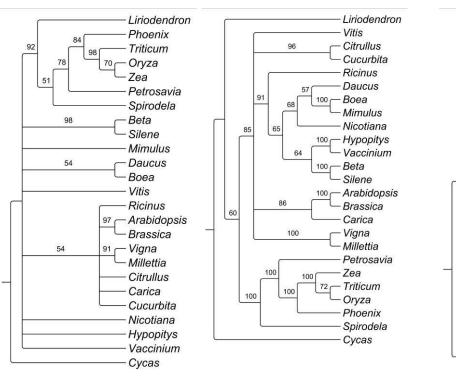
Petrosavia Cycas Zea

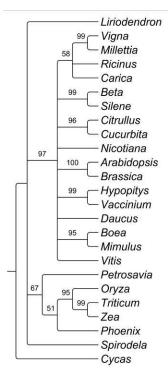
Phoenix

Cycas

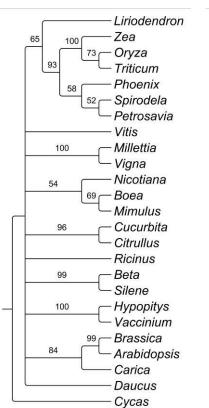
Petrosavia Spirodela

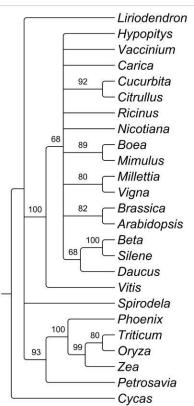
Cycas

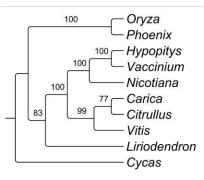


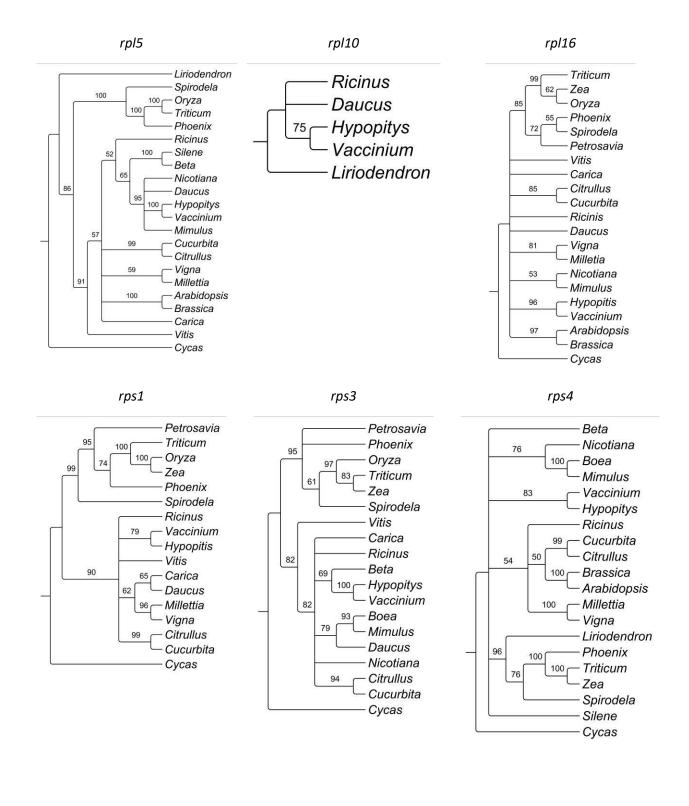


nad7 nad9 rpl2









rps12

rps13

rps10

Cycas