

# From Little Plant TO Big Tree

**Miao Sun**

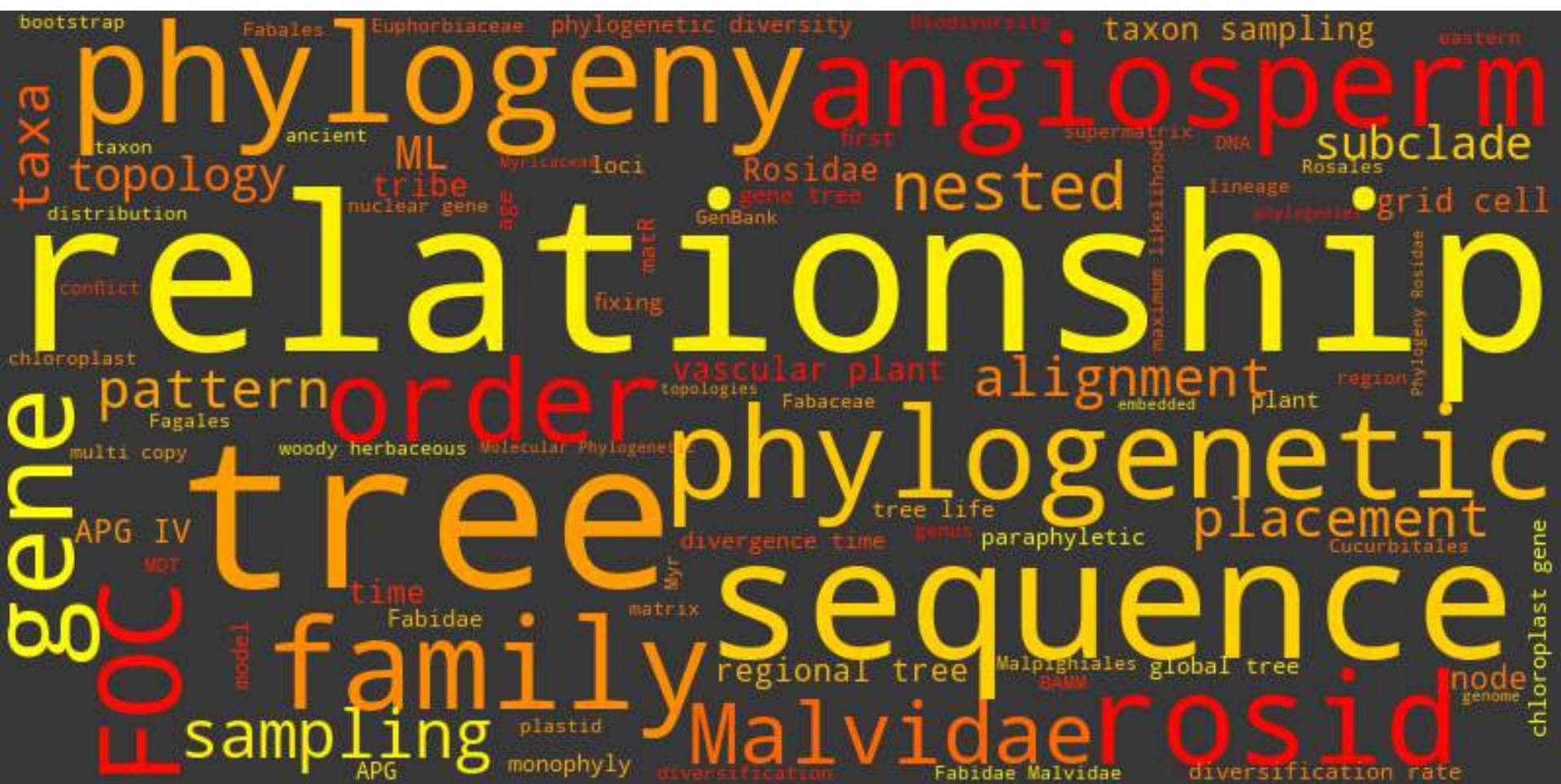
**孙苗**



**@Miao\_the\_Sun**

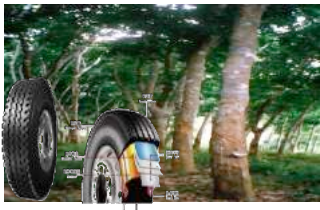
**02/01/2019**







# What is rosids



Journal of Systematics and Evolution

Volume 54 Number 4 July 2016

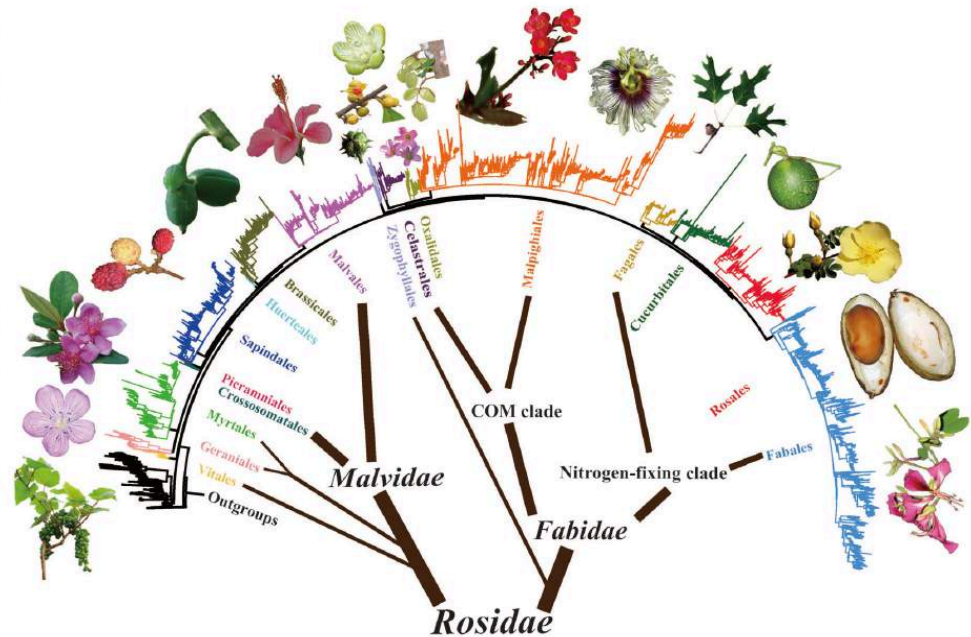
WILEY

# JSE

## Journal of Systematics and Evolution

Special Issue: The Tree of Life: China Project

Issue edited by: Zhi-Duan Chen, An-Ming Lu, Shou-Zhou Zhang, Qing-Feng Wang, Zhong-Jian Liu, De-Zhu Li, Hong Ma, Jian-Hua Li, Douglas E. Soltis, Pamela S. Soltis, Jun Wen, China Phylogeny Consortium



## Big Rosid "Fan"

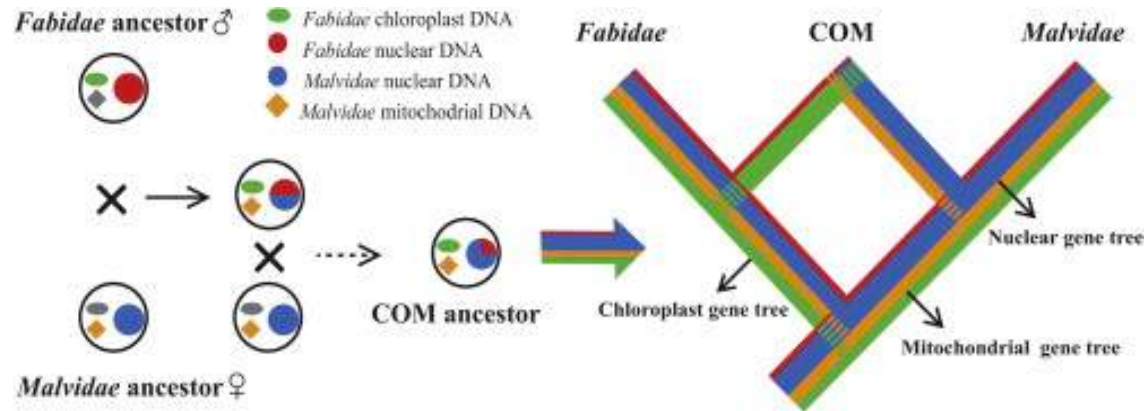
Volume 54

Number 4

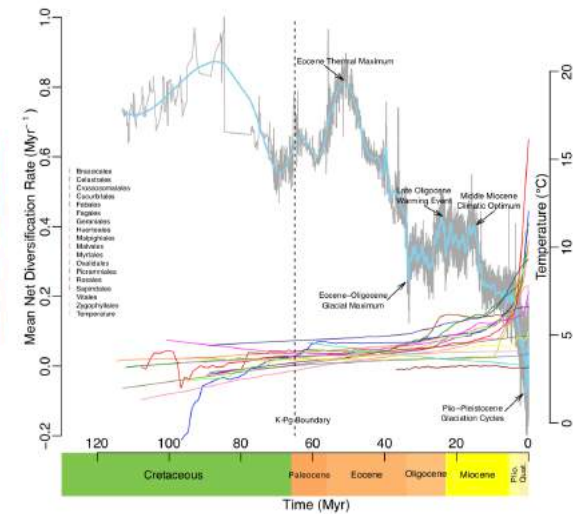
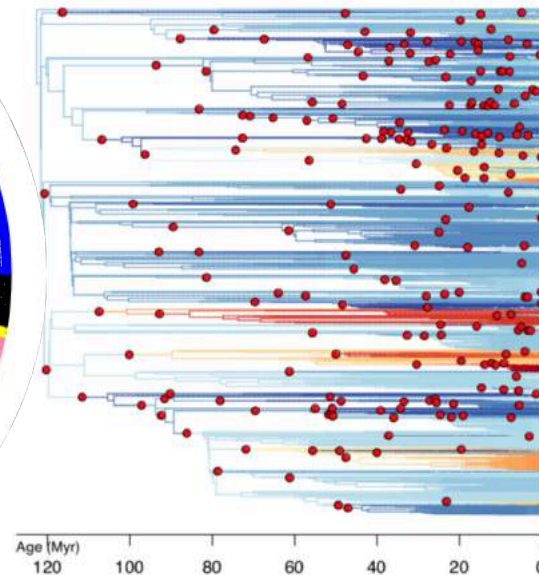
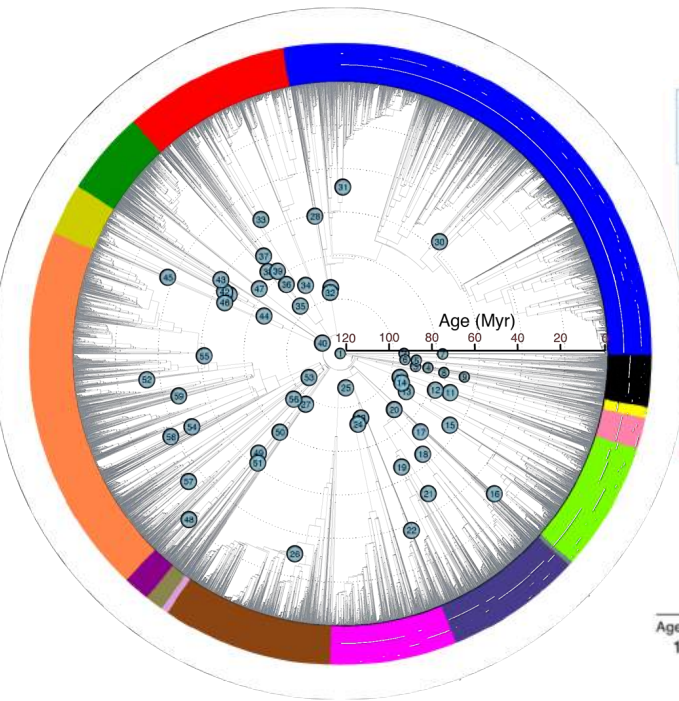
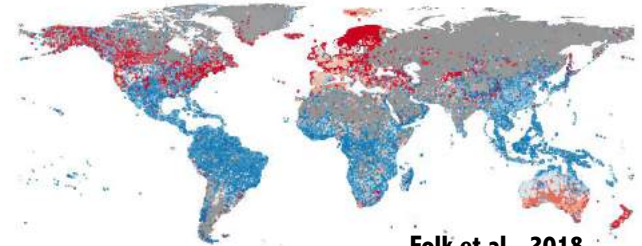
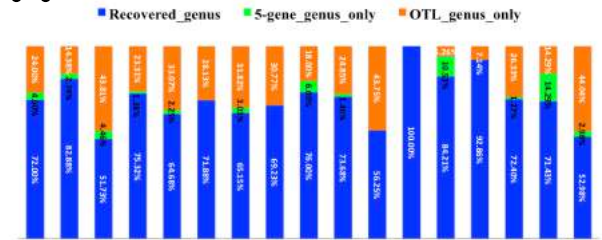
July 2016

Sun et al., 2016

# Phylogeny and Diversification



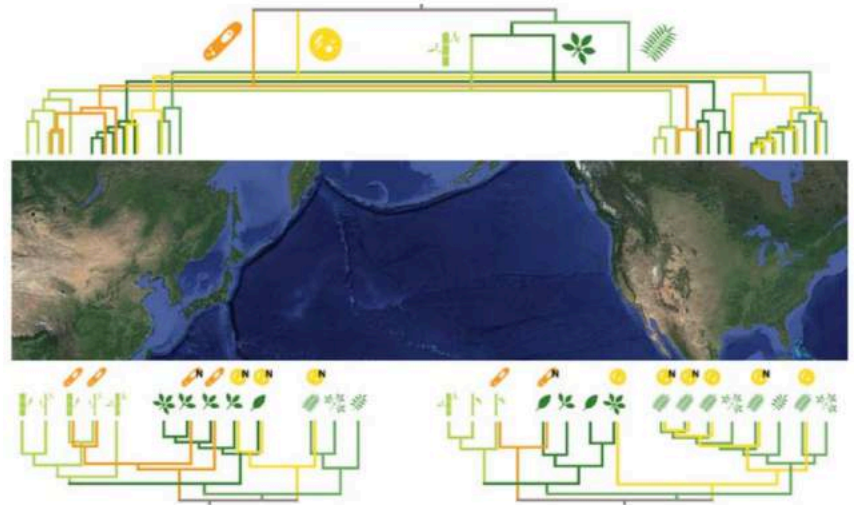
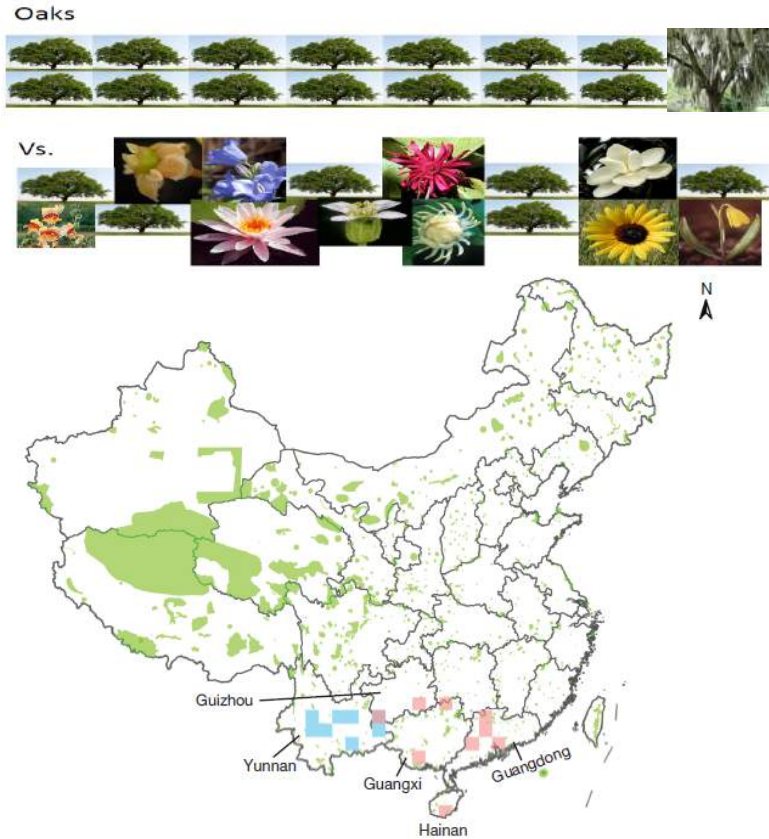
Sun et al., 2015



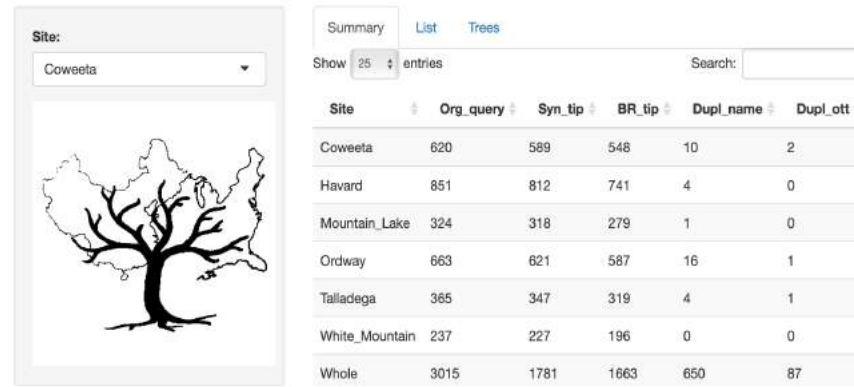
Sun et al., in prep.



# Phylogenetic diversity (PD)



## Community Phylogentic Trees for Dimention Project



**nature**  
International journal of science

Evolutionary history of the angiosperm  
flora of China

Lu et al., 2018

# Outreach





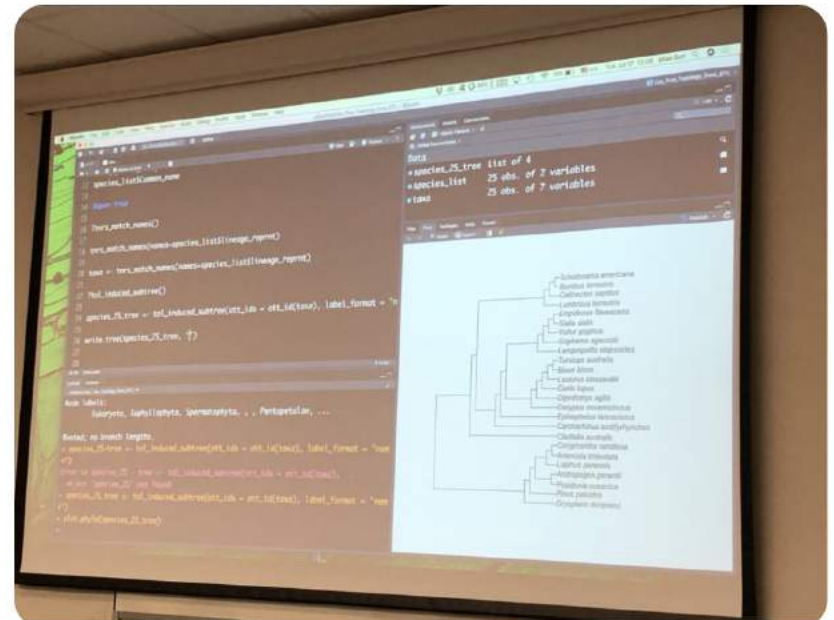
UF-CPET  
@UFCPET

From DNA to learning  
about trees. @soltislab  
@FloridaMuseum



UF-CPET  
@UFCPET

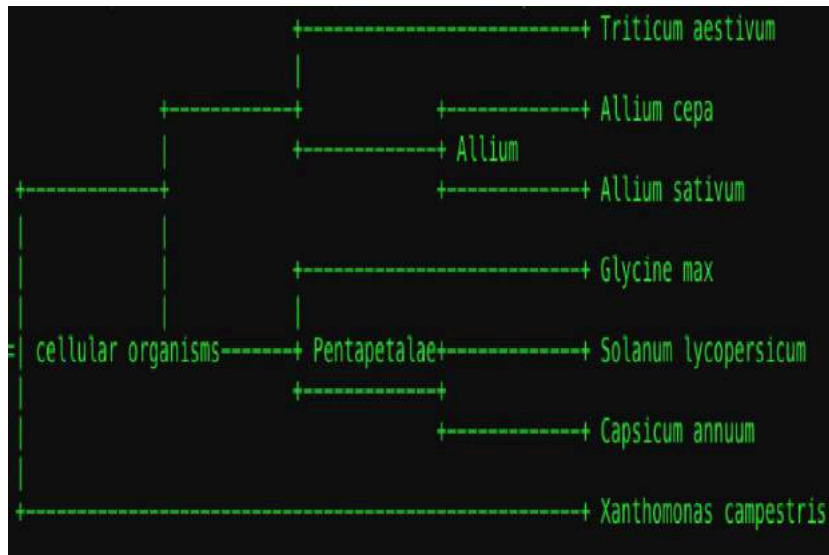
@Miao\_the\_Sun from  
@soltislab is the hero!!  
Using R to create a tree from  
@opentreeoflife.











C:/Users/cactus/Desktop/OpenTreeExtractor  
<http://127.0.0.1:3818> | [Open in Browser](#) | [Refresh](#)

## Open Tree Extractor

Choose csv file to upload

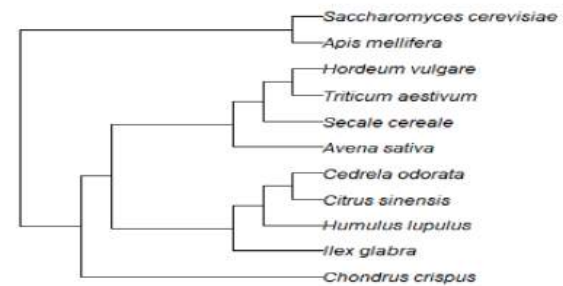
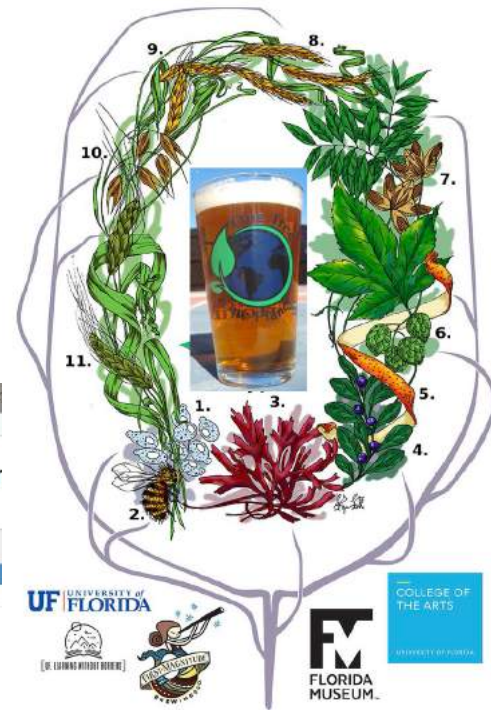
[Browse...](#) [One\\_tree\\_beer.csv](#)

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[Table](#) [Tree\\_Plot](#)

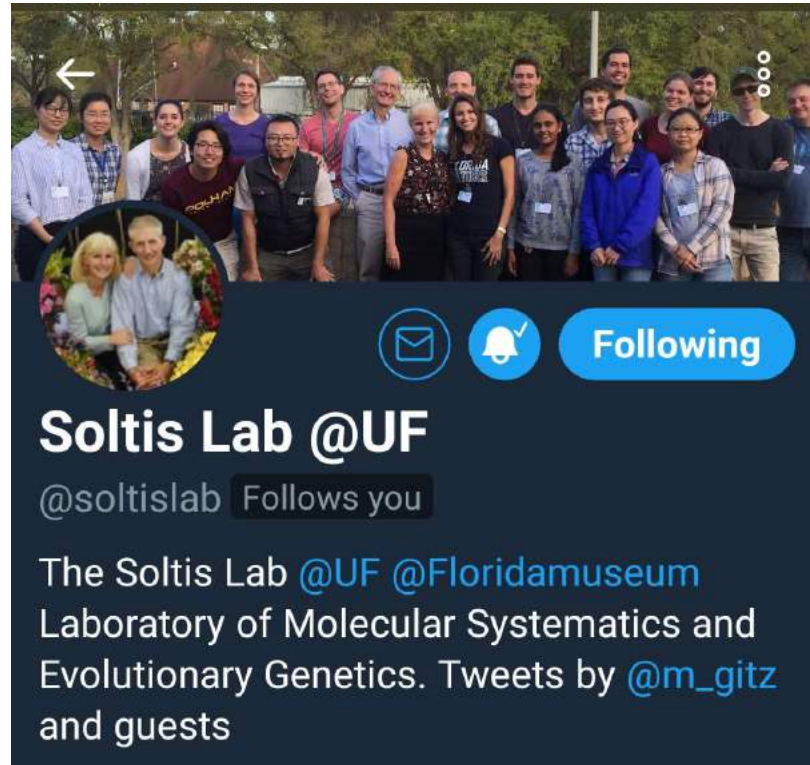



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# Thank you!



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