# TME4 - PHYG

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- 1 Exercise 1
- 1.1 Question 1
- 1.2 Question 2
- 2 Exercise 2

Tree scale: 0.1

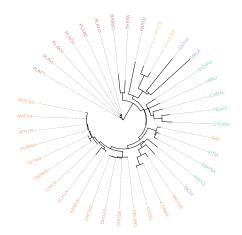


Figure 1: The tree inferred with the Neighbor-Joining algoritm on one gene familly

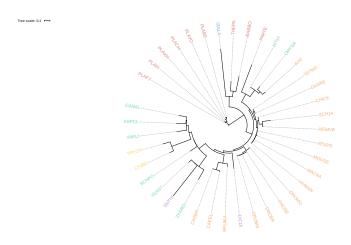


Figure 2: The tree inferred with the Most-Likelihood algoritm on one gene familly

## 3 Exercise 3

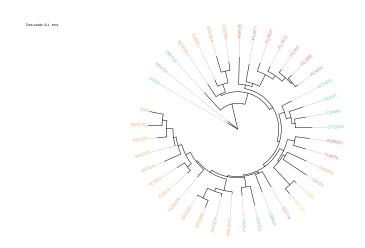


Figure 3: The tree inferred with the Neighbor-Joining algoritm on all gene famillies  ${\bf J}$ 

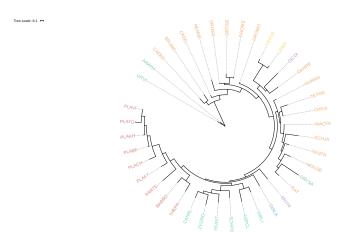


Figure 4: The tree inferred with the Most-Likelihood algoritm on all gene famillies  $\,$ 

# 4 Exercise 4

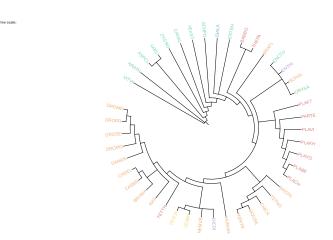


Figure 5: The tree inferred with the Neighbor-Joining algoritm and a supertree combination algoritm on all gene famillies

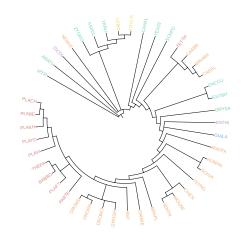


Figure 6: The tree inferred with the Most-Likelihood algoritm and a supertree combination algoritm on all gene famillies

# 5 Exercise 5