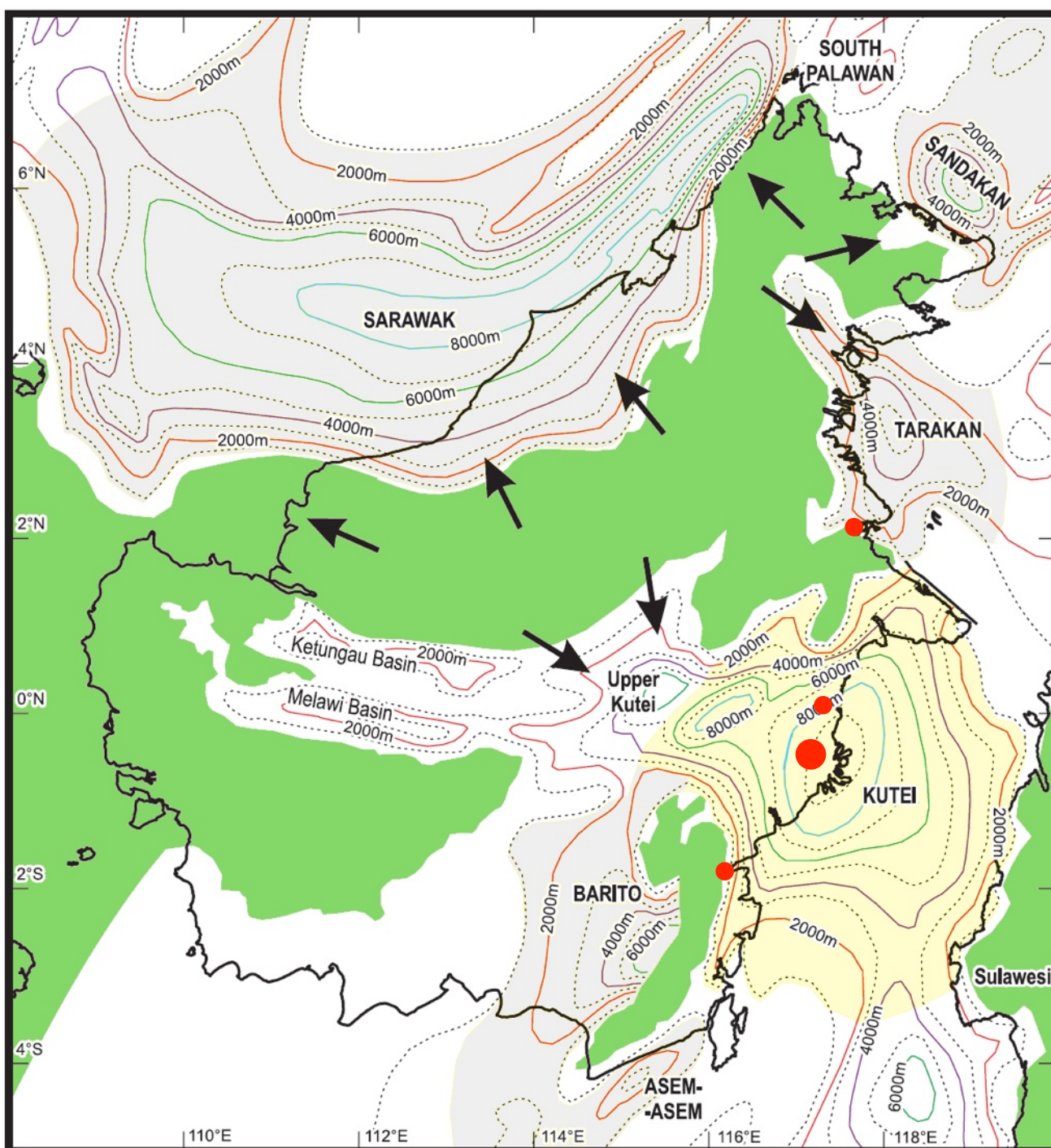


# An Age Model for the Mahakam Delta's Beginning

Nathan Marshall



THROUGH**FLOW**



TF50

TF51  
TF57

1-2hm Gap

TF100

2-3hm Gap

TF78

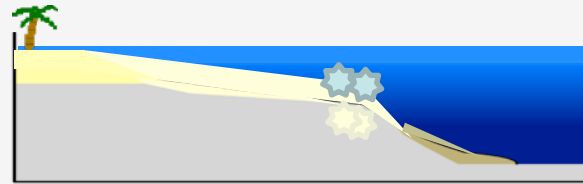
TF130 TF52  
TF77 TF76  
TF79

TF101

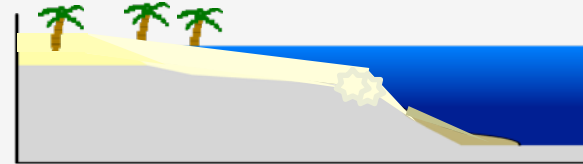
TF258

100m Gap

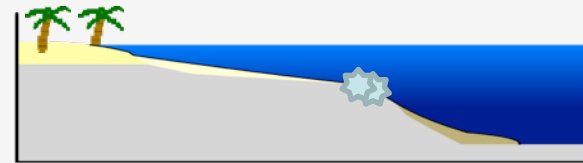
### Sea level rise ?



### progradation

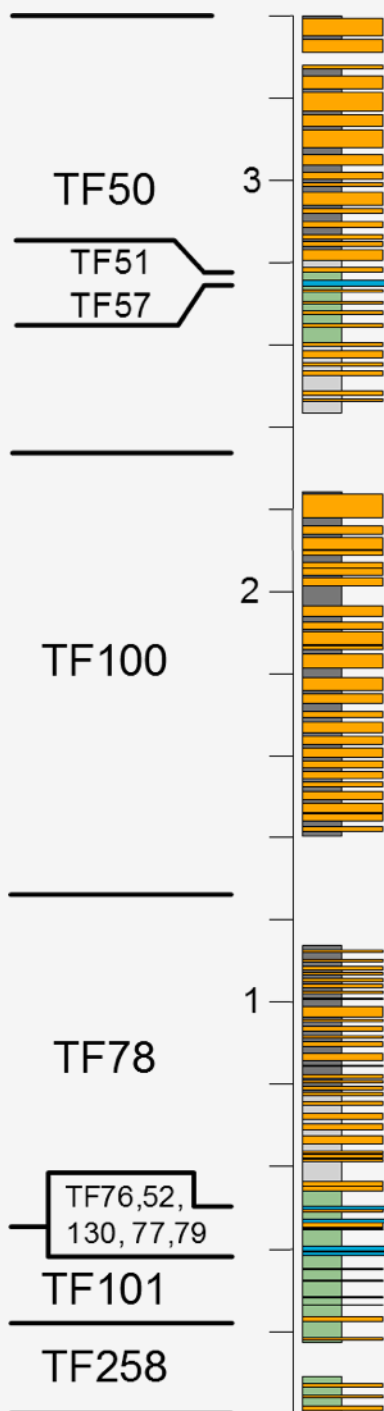


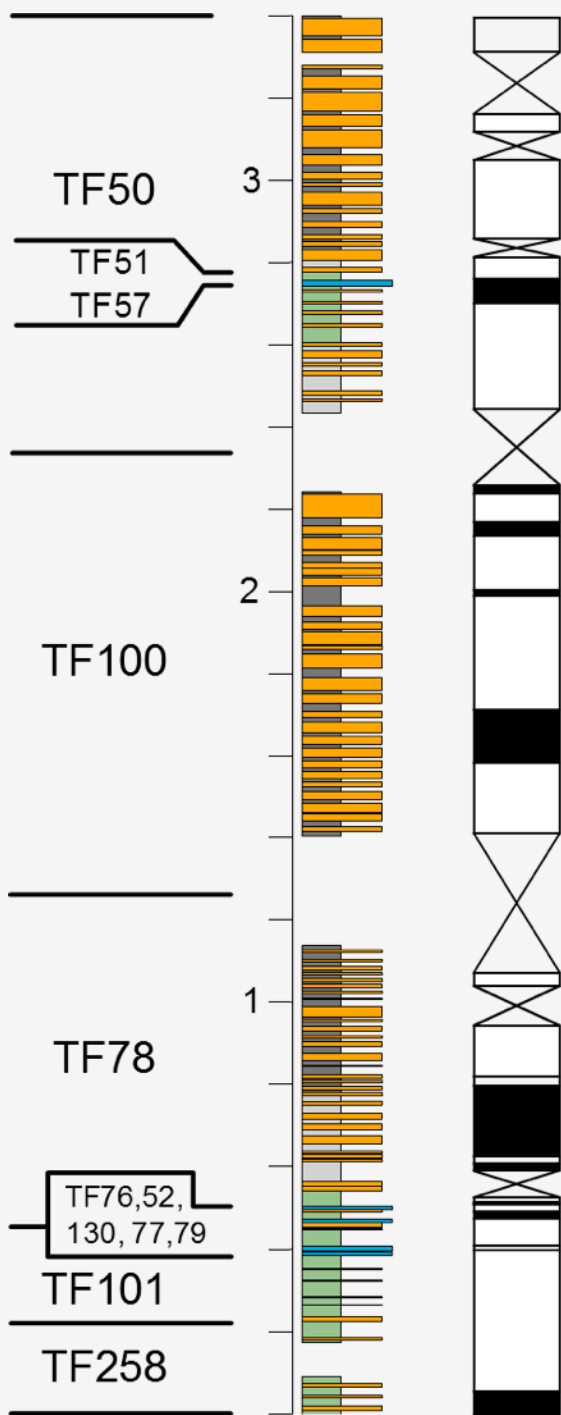
### Slope & Reef

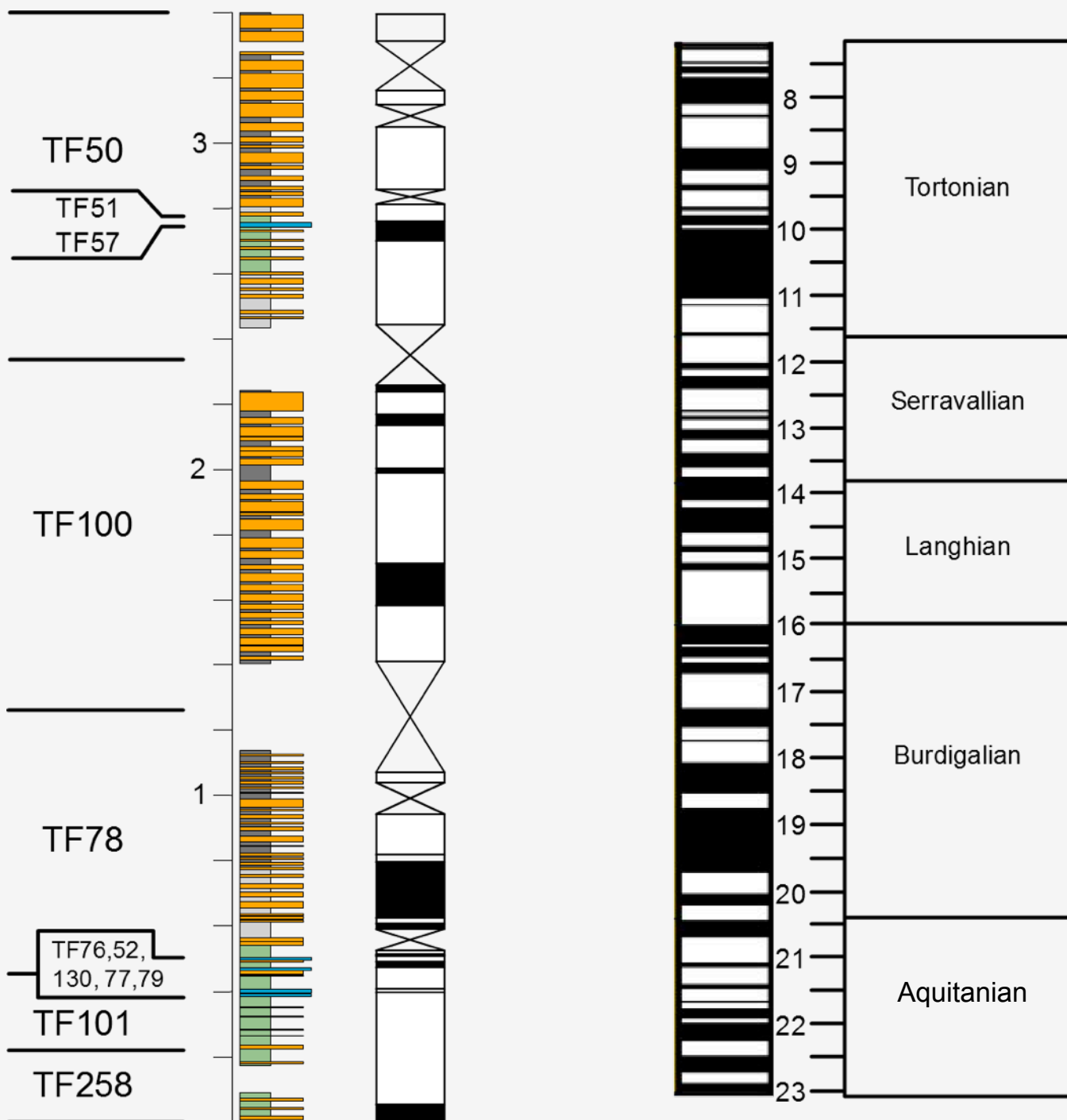


# Paleomagnetism

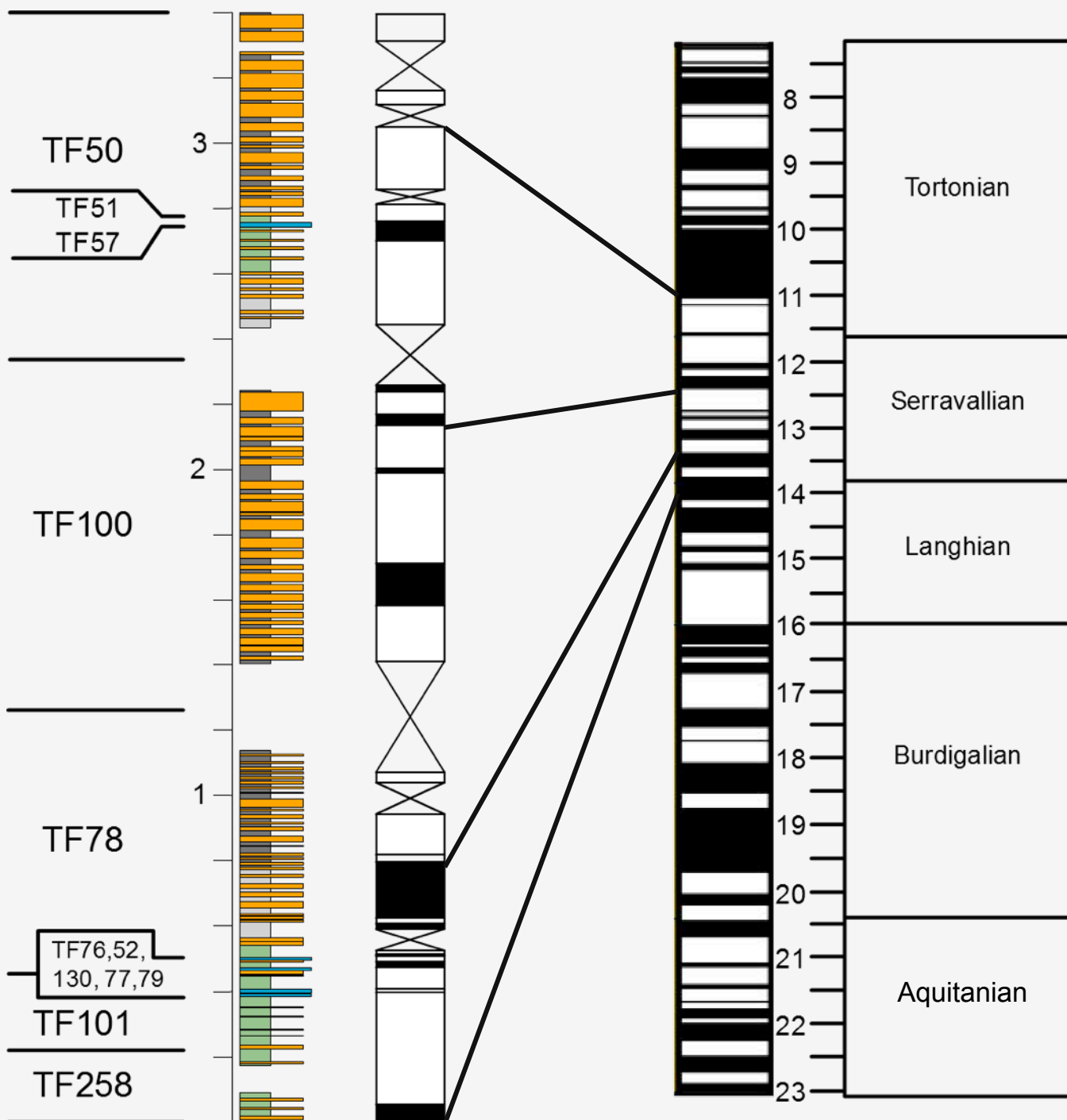




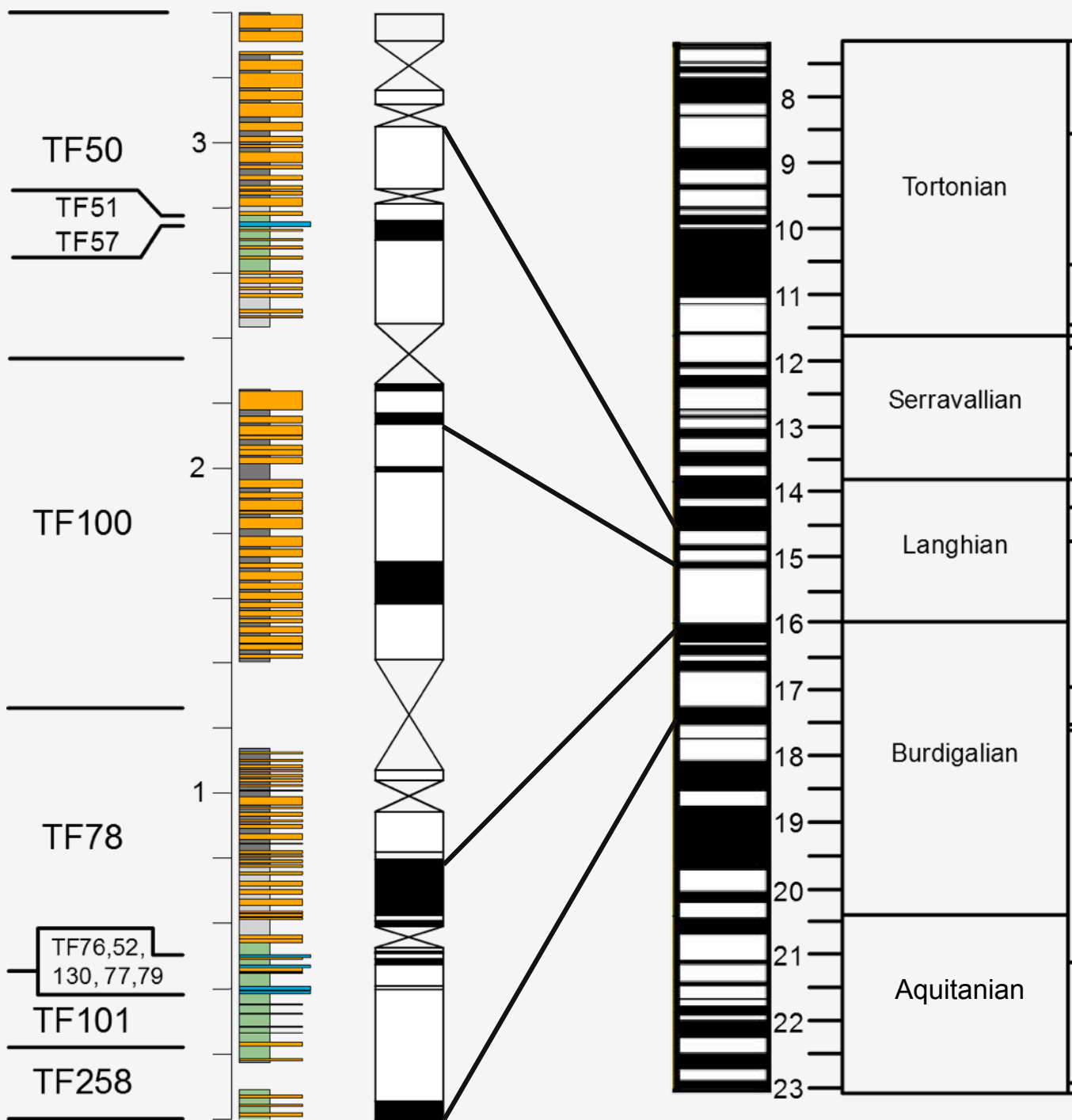


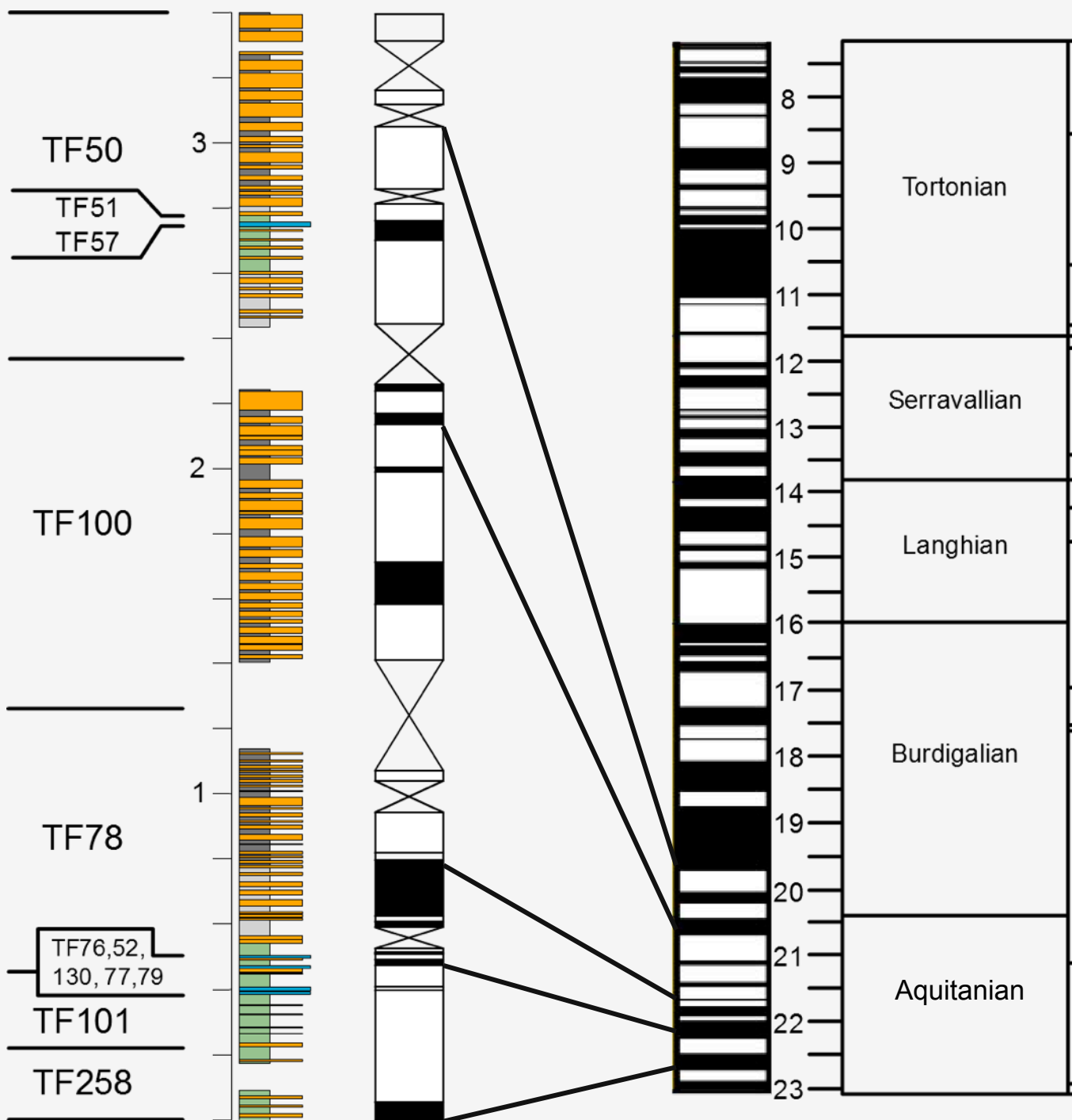


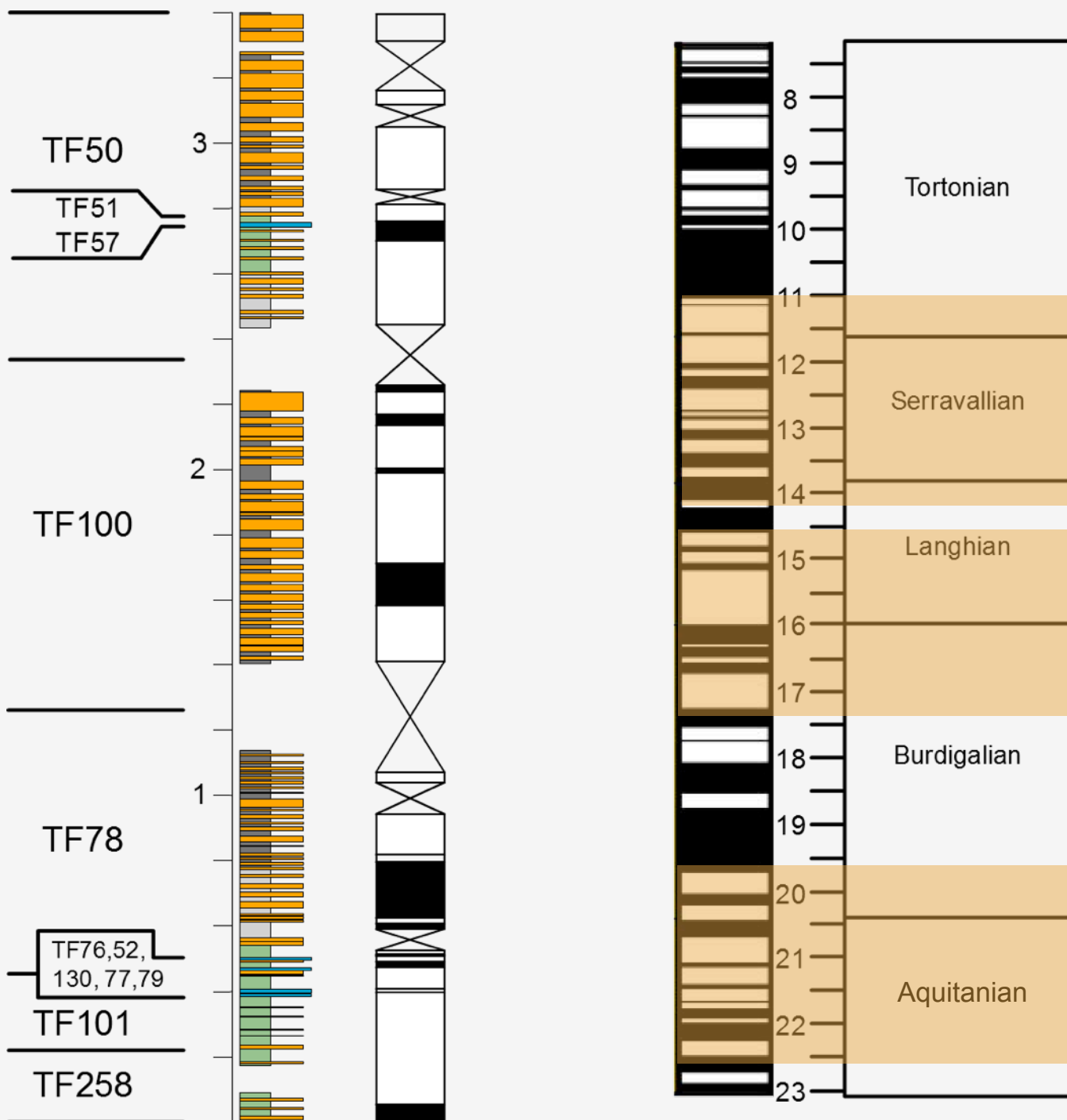
modified from  
Hilgen et al. in press

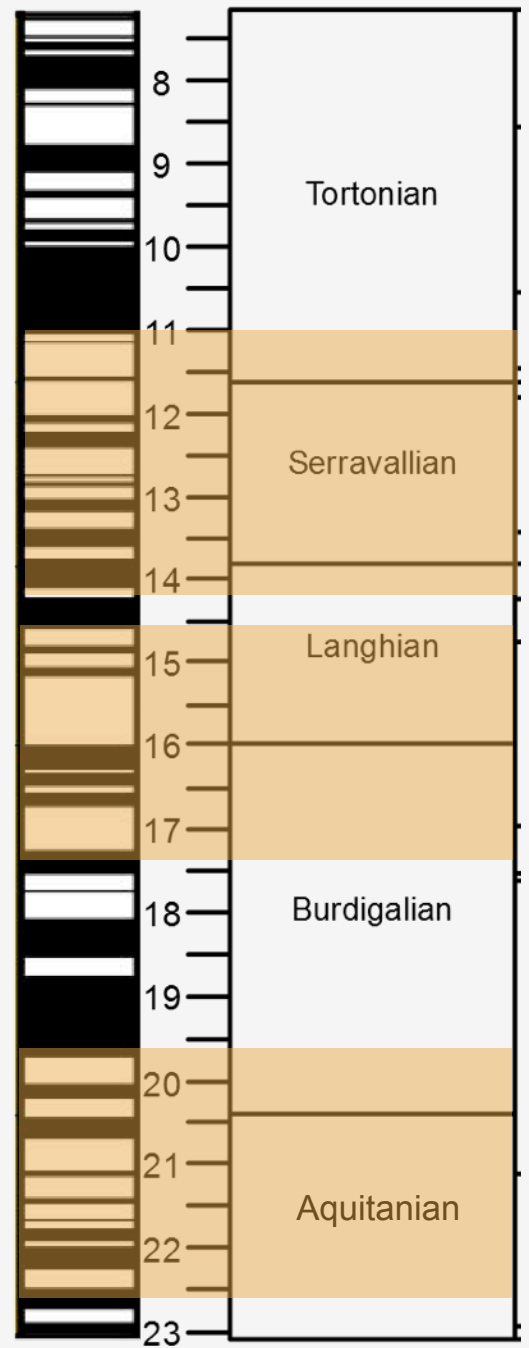
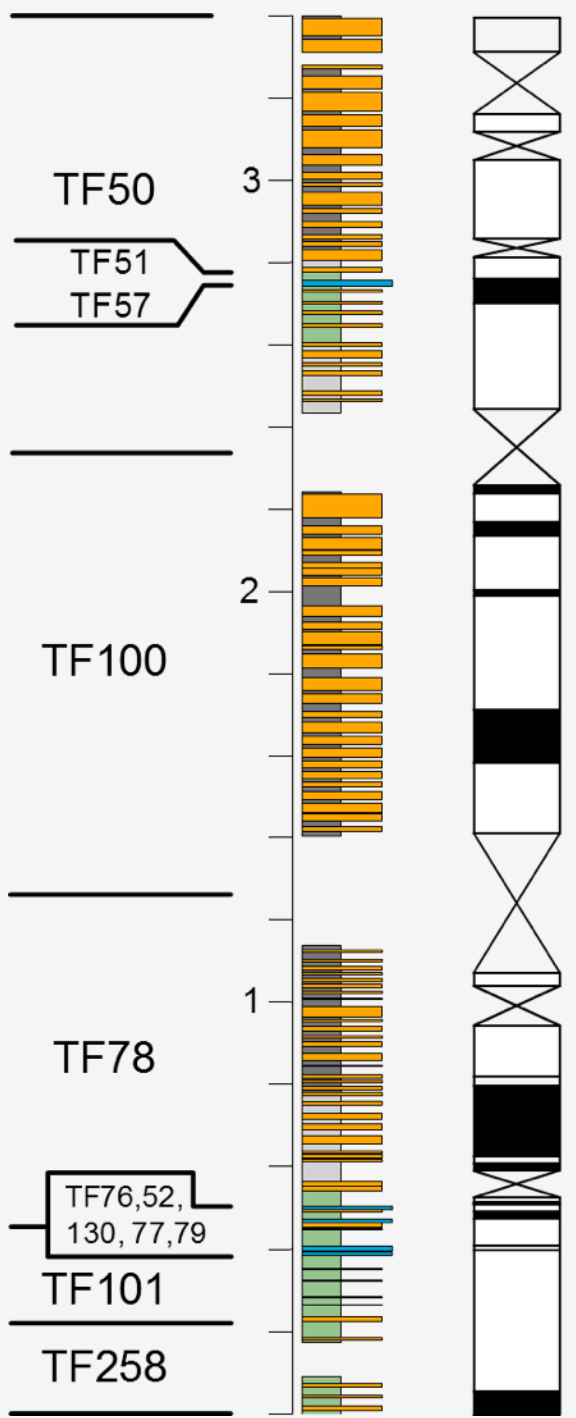




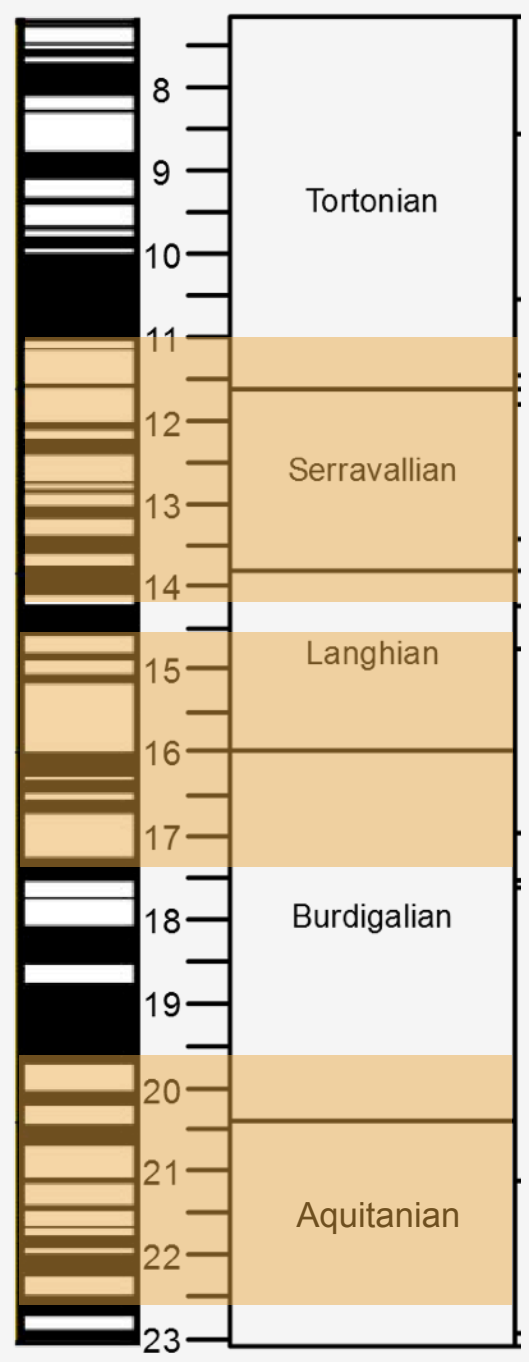
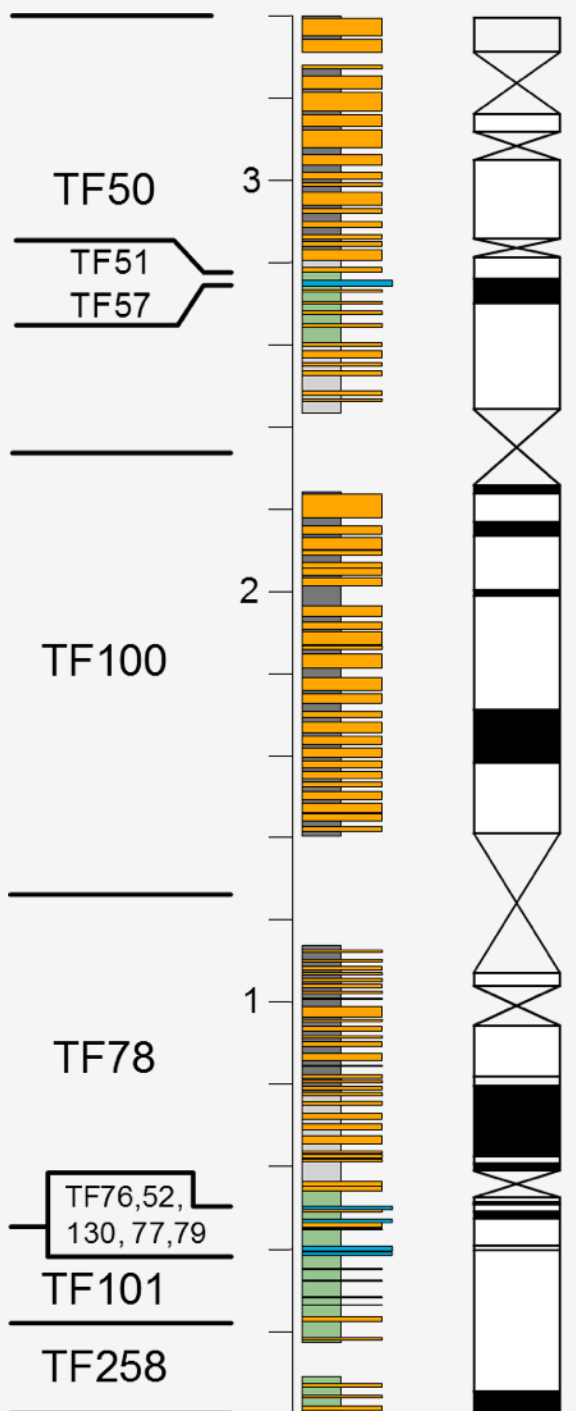








Estimated  
 Sedimentation Rate  
 for the last 20Ma  
 in  
 the Kutai Basin:  
**326 m/Ma**



Estimated  
 Sedimentation Rate  
 for the last 20Ma in  
 the Kutai Basin:  
**326 m/Ma**

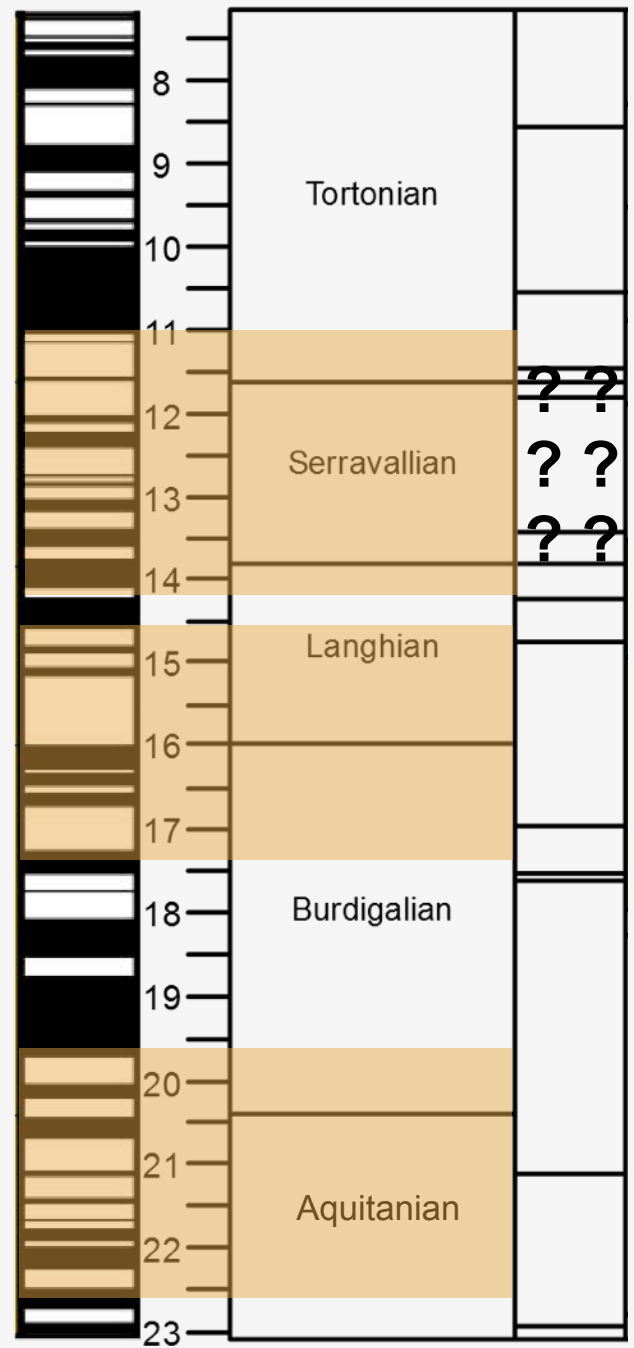
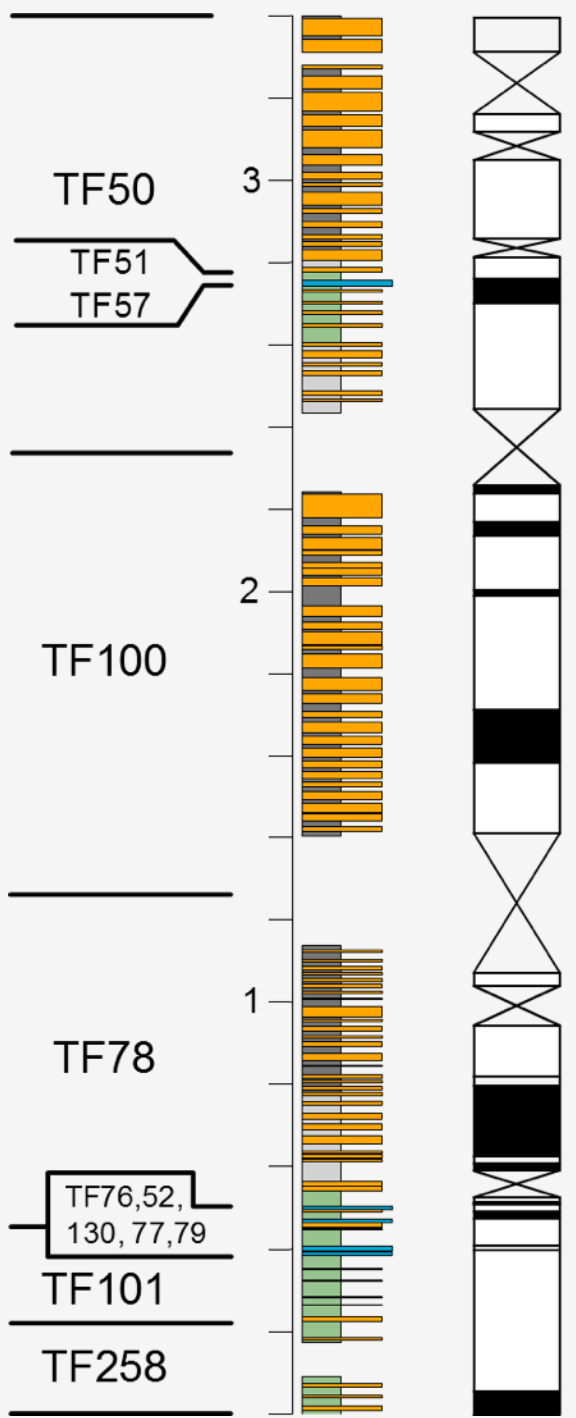
≈ 3.2Ma  
**937.6 m/Ma**

≈ 2.8Ma  
**1071 m/Ma**

≈ 3.0Ma  
**1000 m/Ma**



LONG LASTING  
PLANKTONIC FORAM  
FLAVOR



# NANNOS *of the* HIGH SEAS





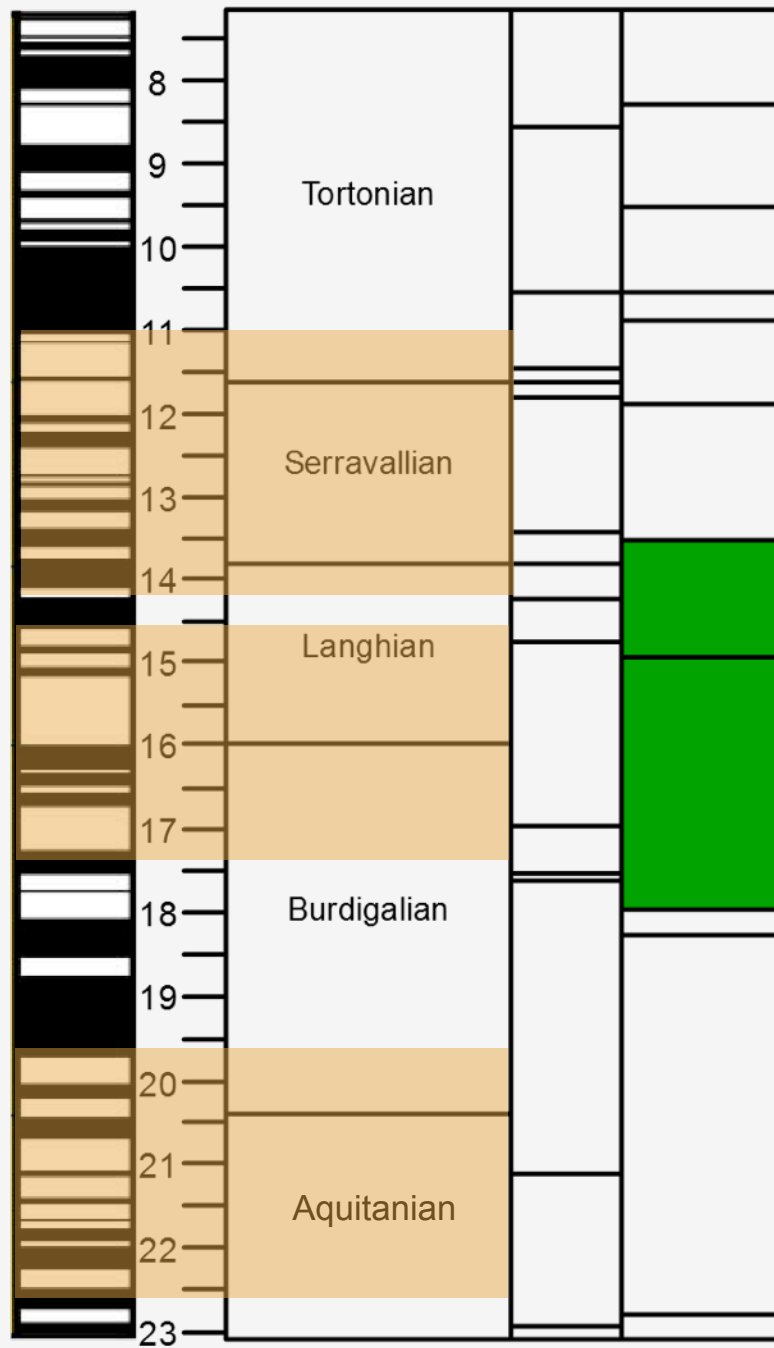
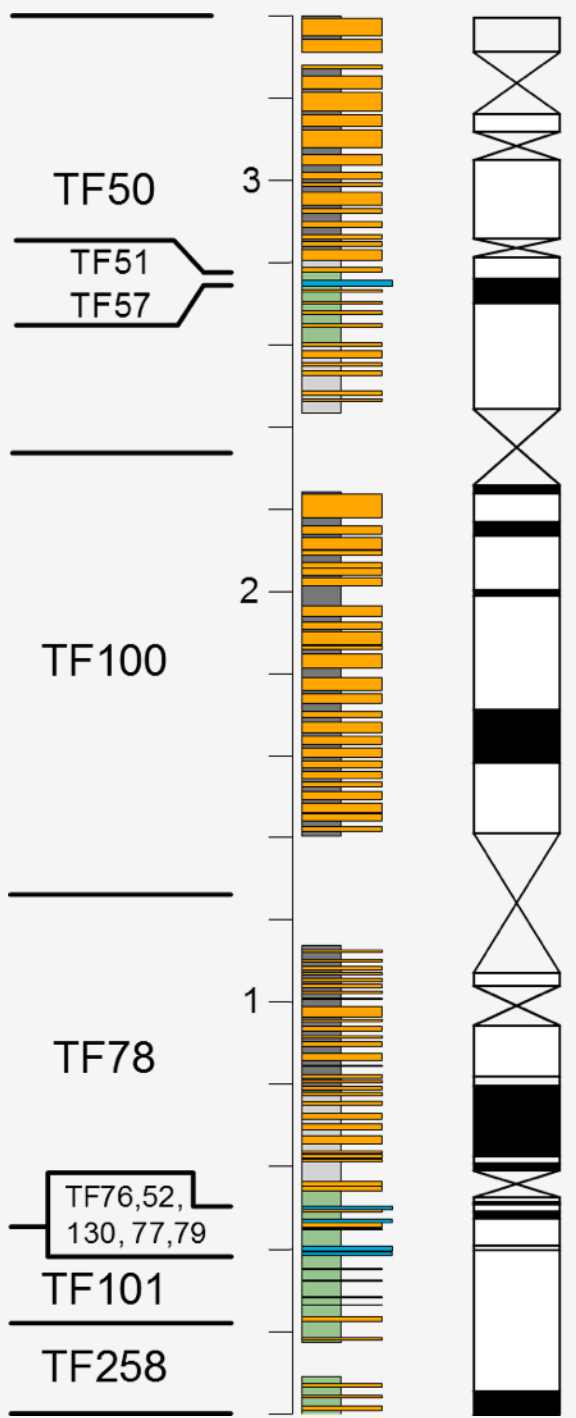
NANNOS

*of the*

HIGH SEAS

NEAR SHORE



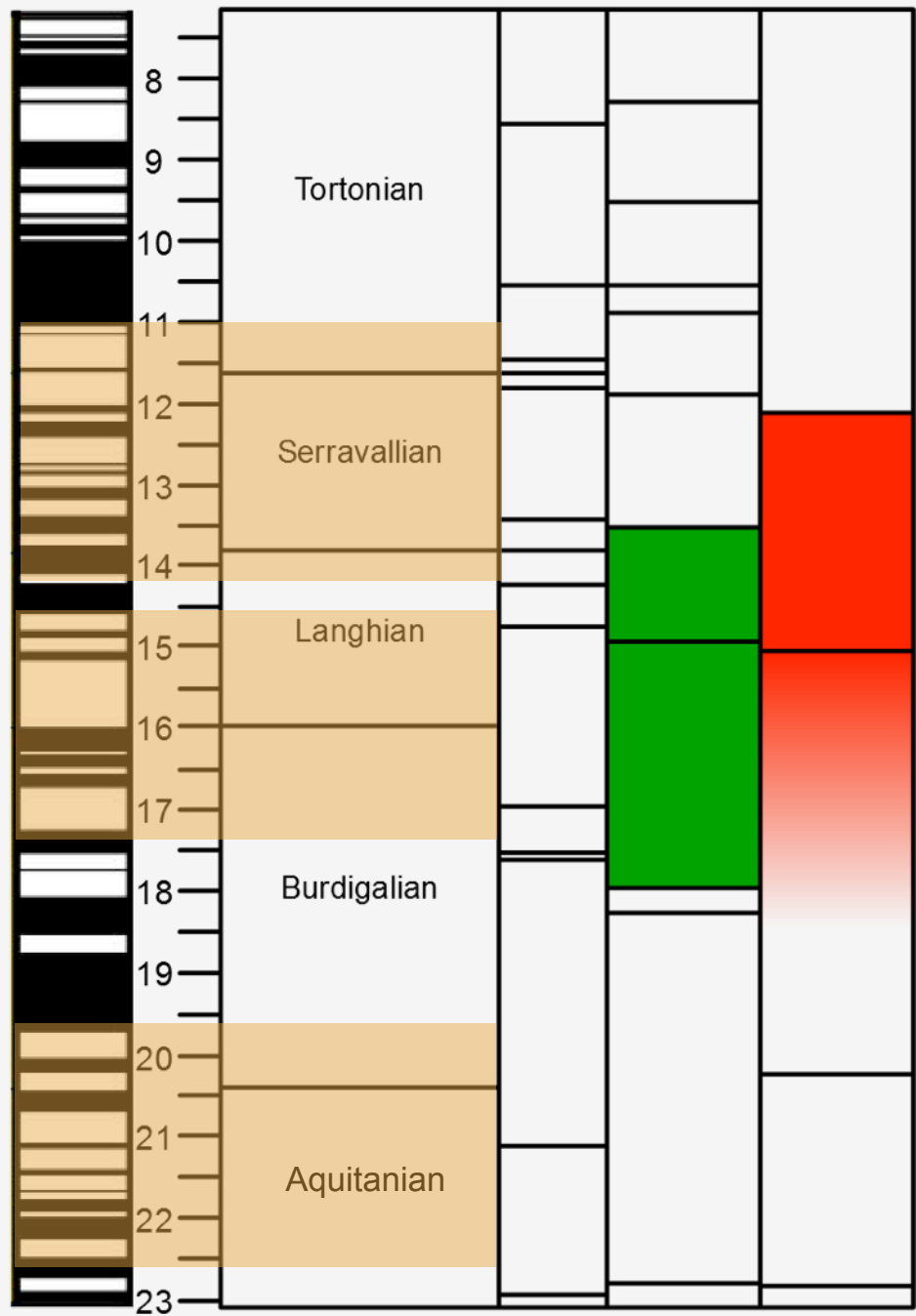
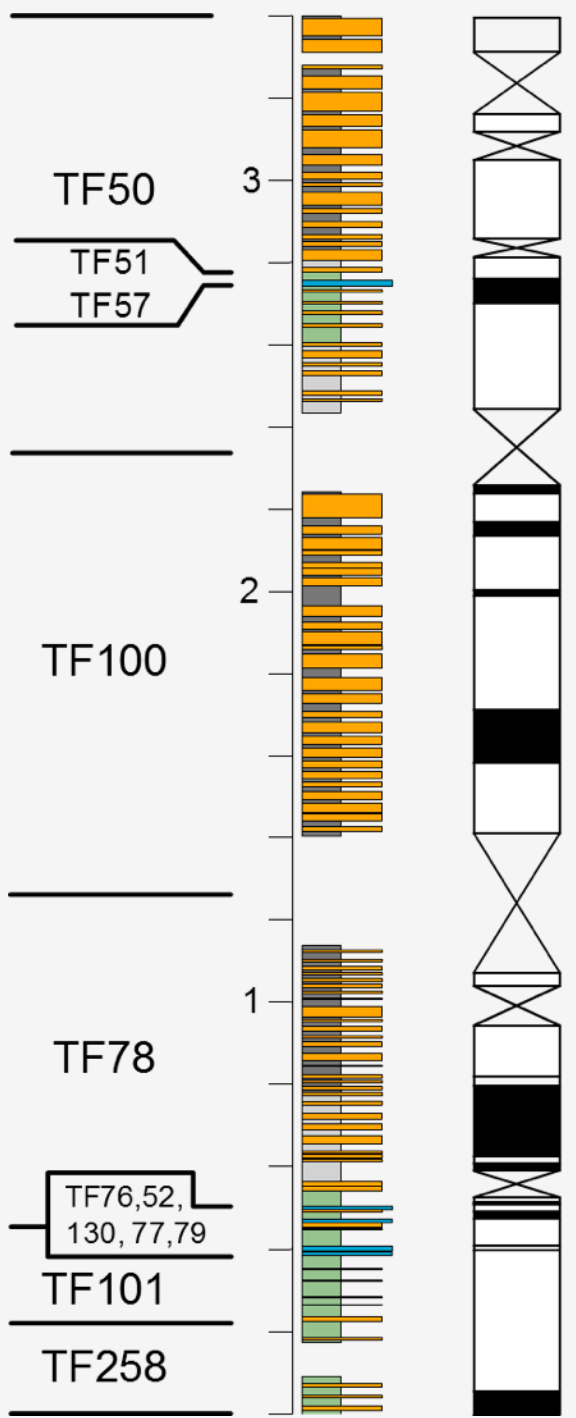


Large Benthic  
Foram Padang



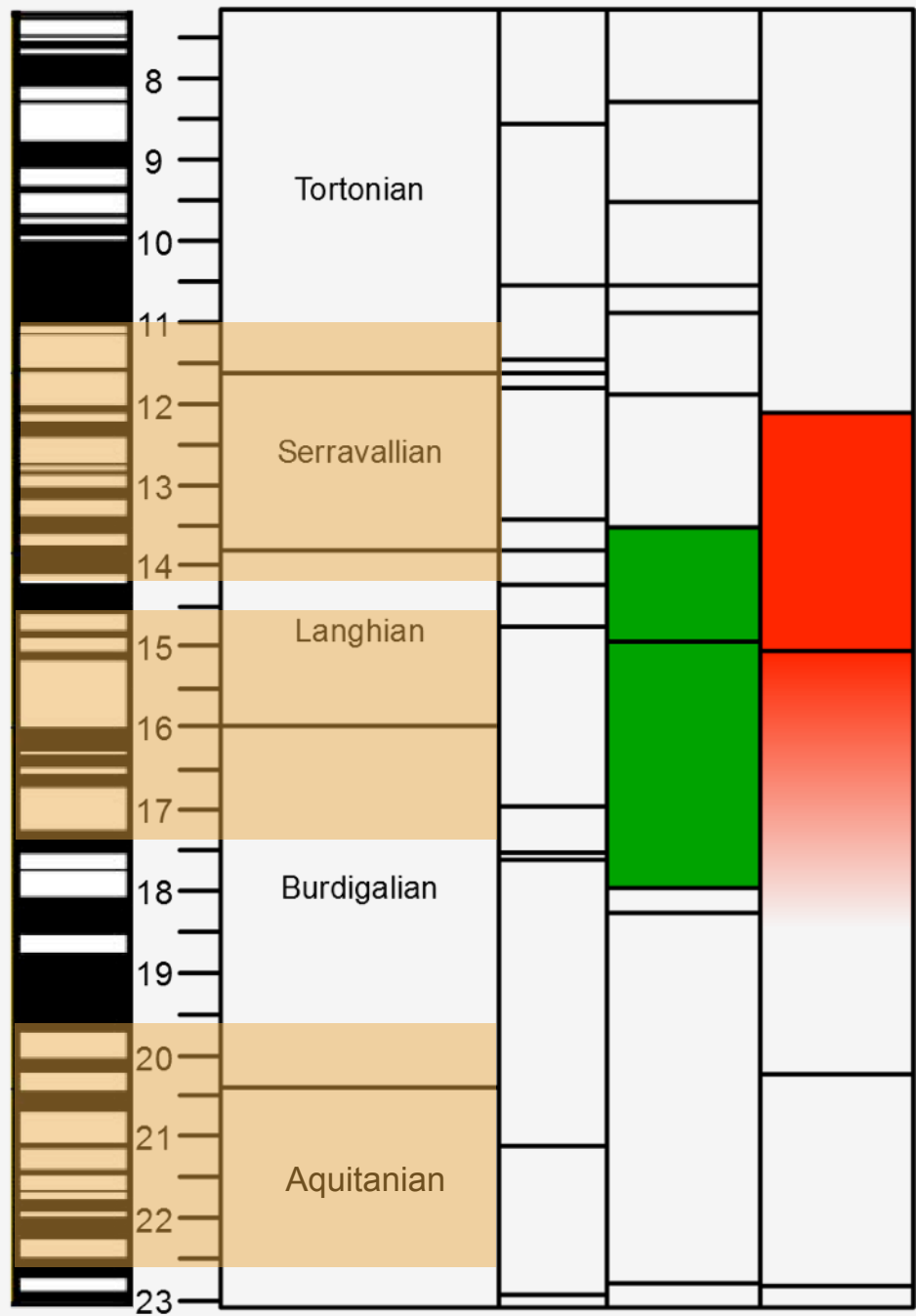
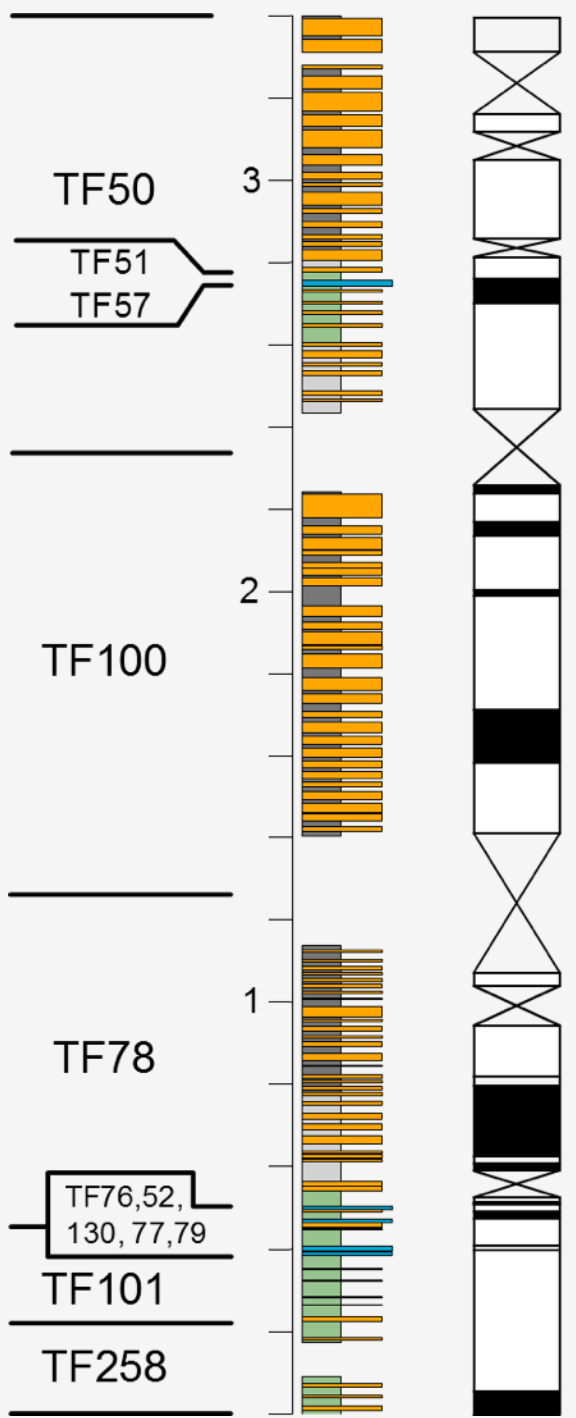
Large Benthic  
Foram Padang

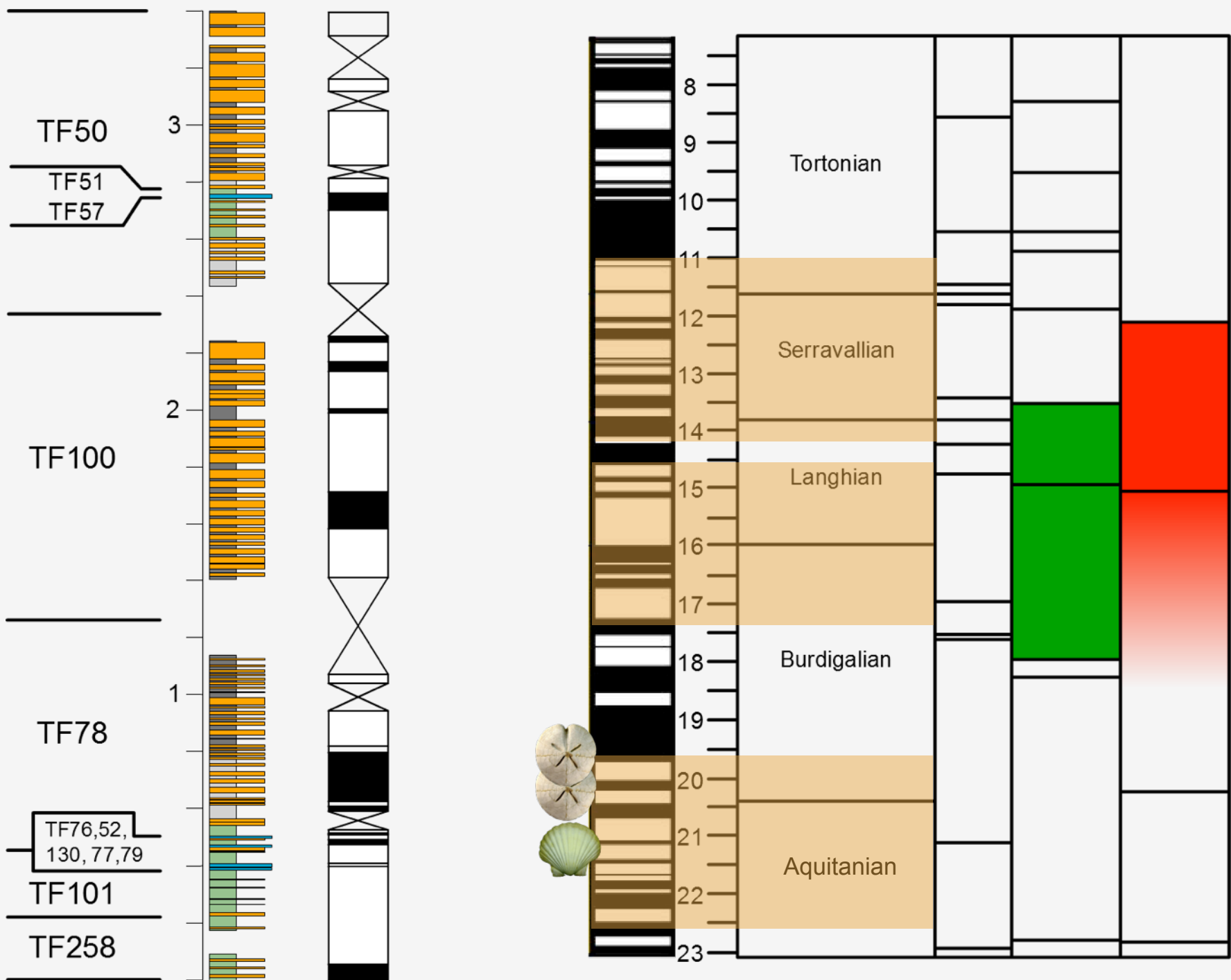




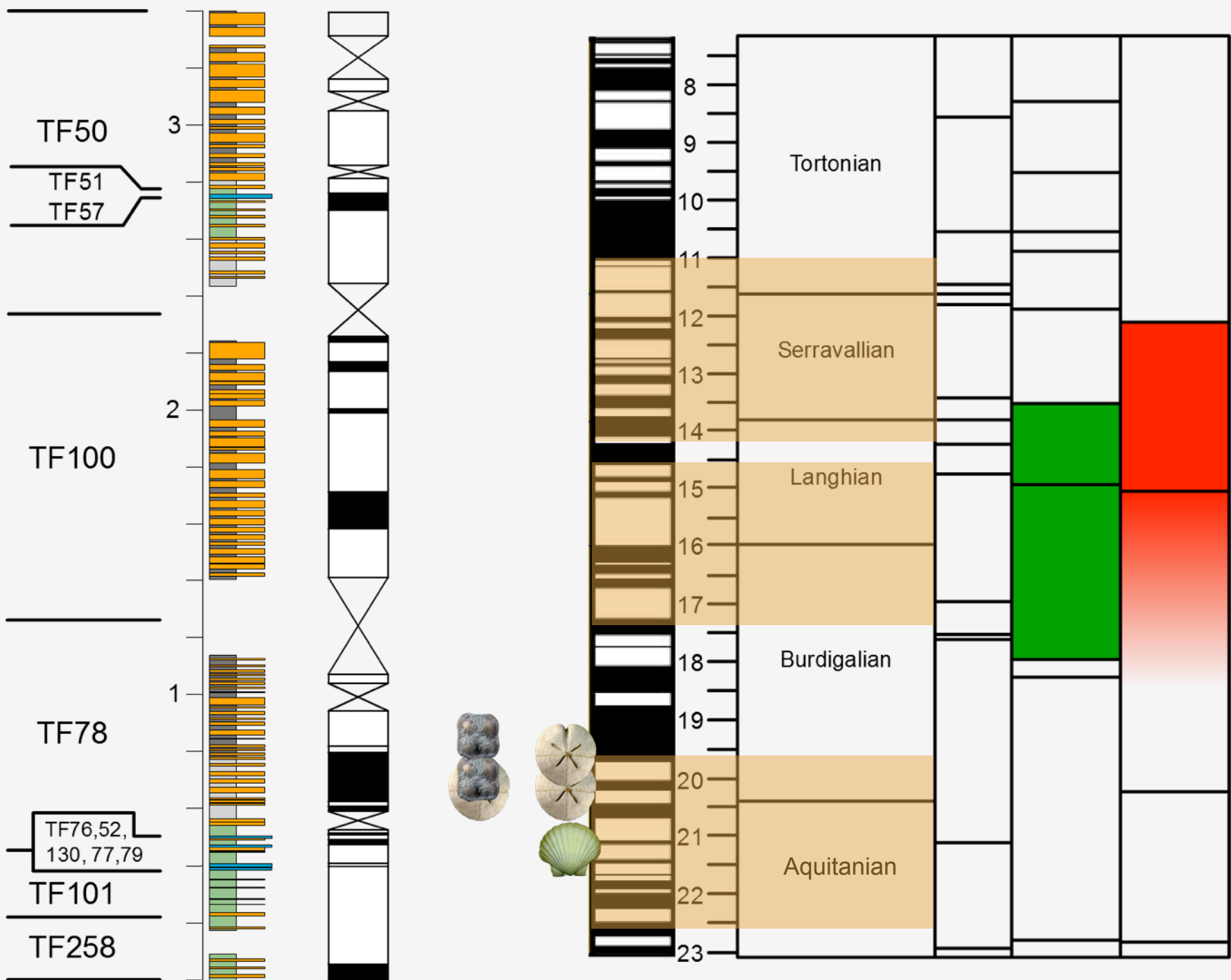
# Strontium

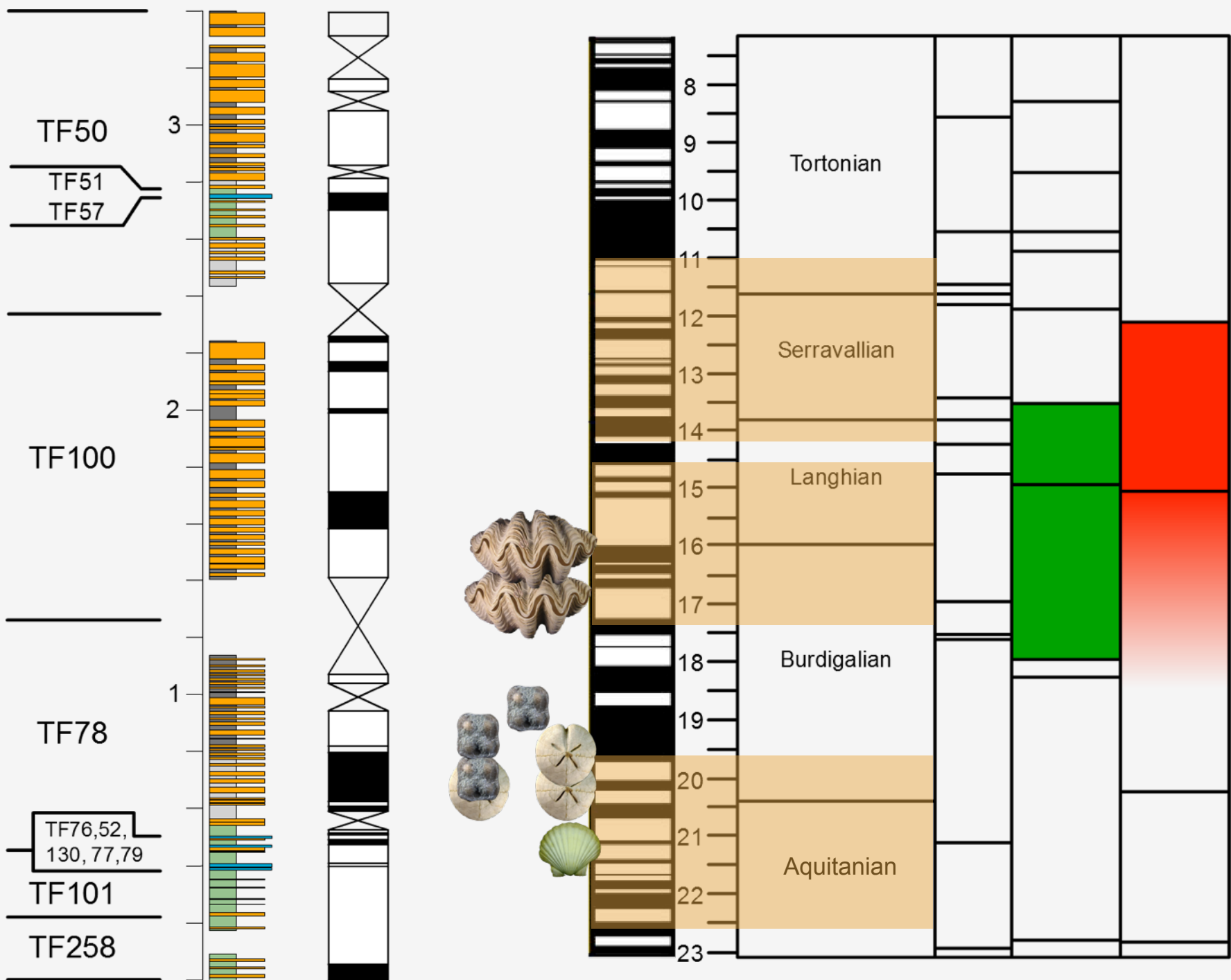


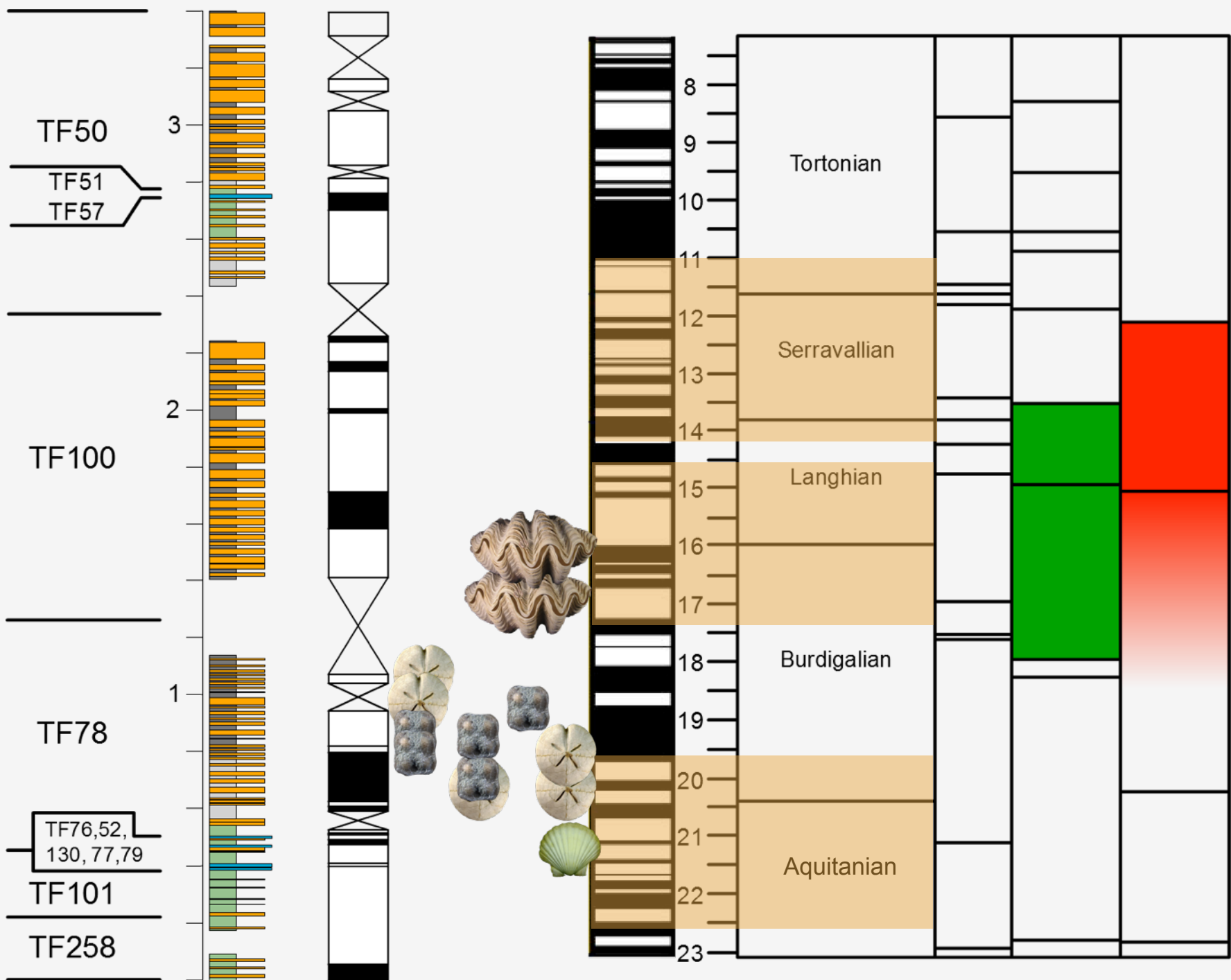


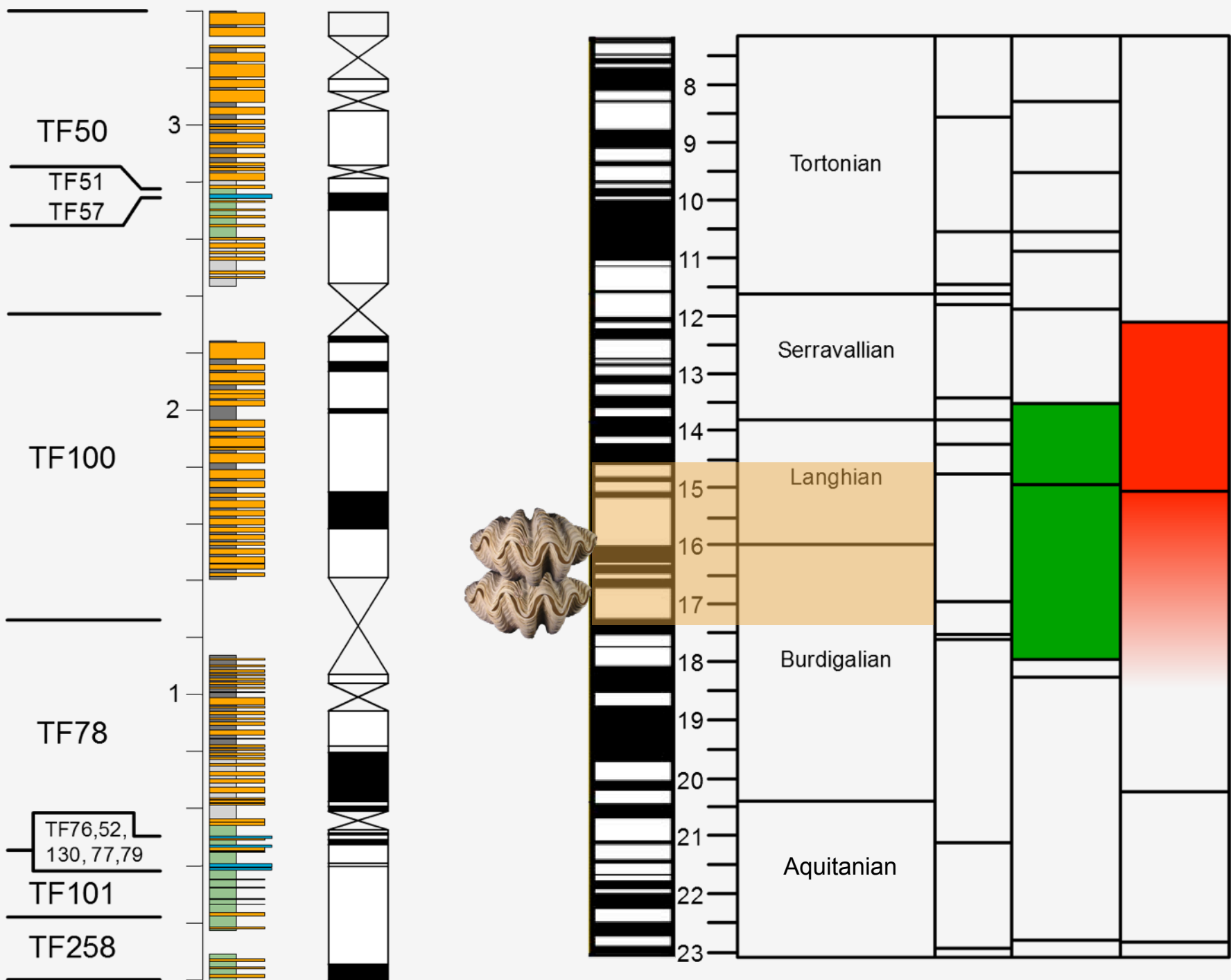


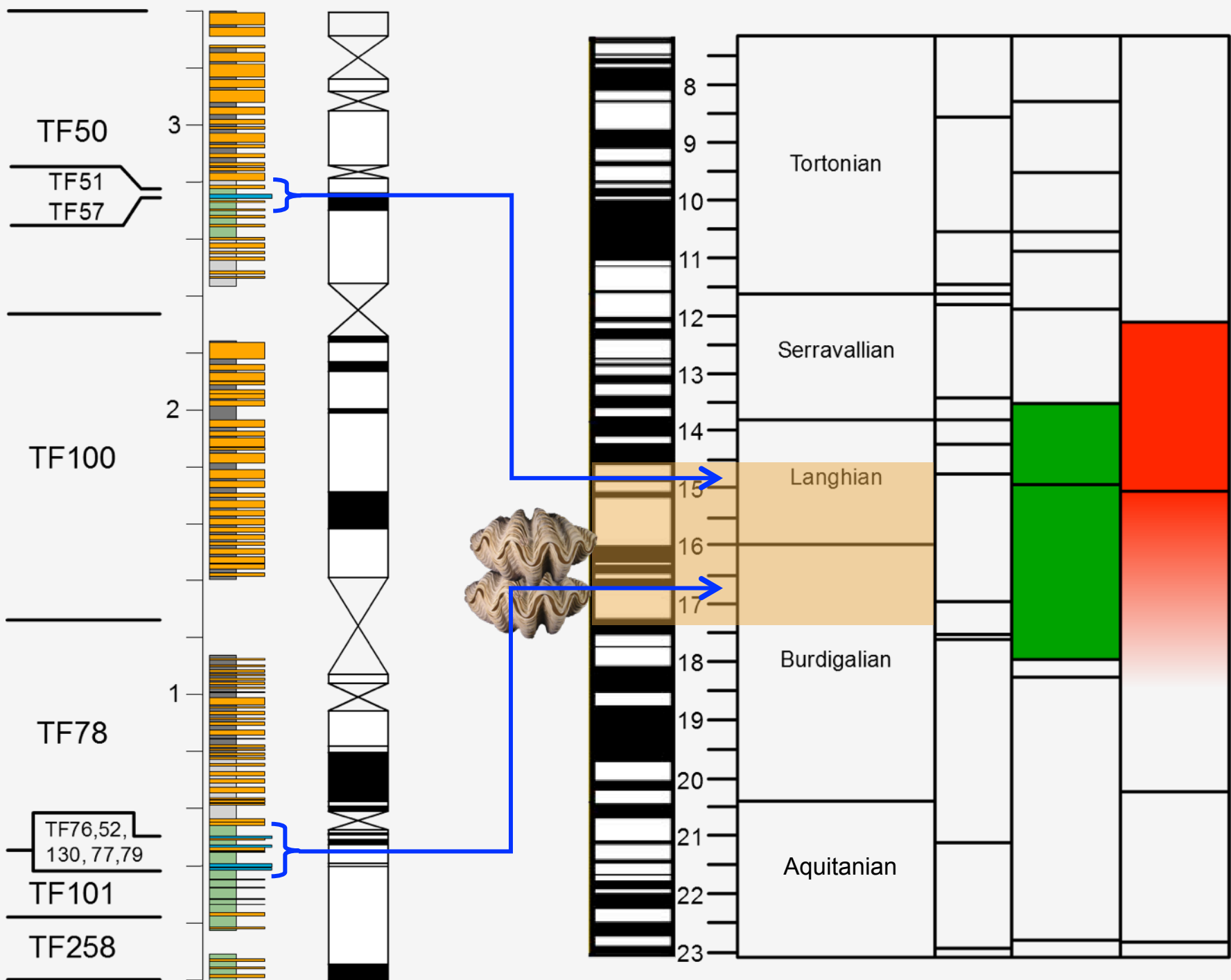


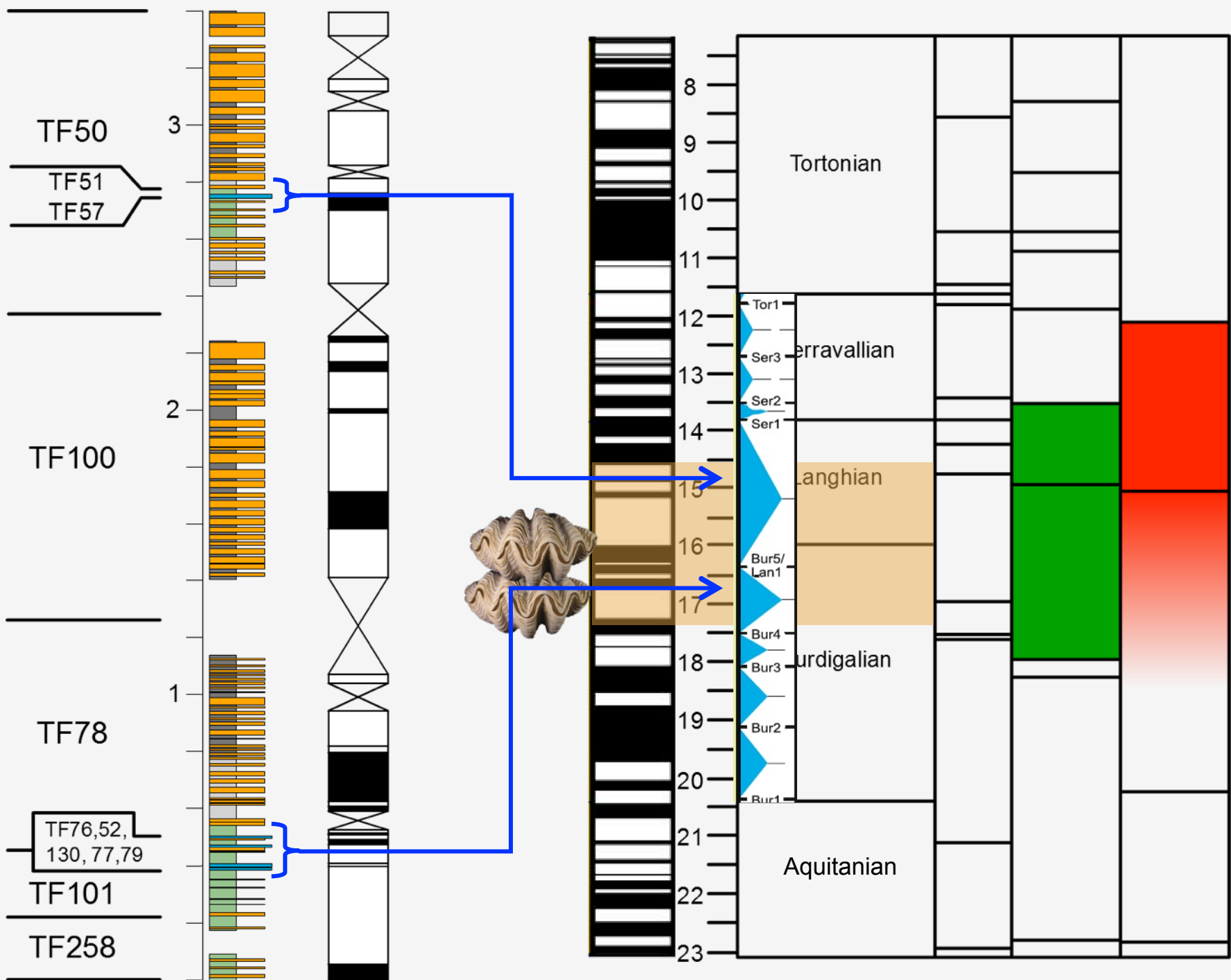














**Herzlichen Glückwunsch zum Geburtstag!**