

Bengalon: Tortonian 3D Reefs (TF511)



Pliocene
Pleistocene
Tortonian
Serravallian



Sangatta: Orangutan garden (TF516)



Messinian
Tortonian
Serravallia
Langhia
Burdigalia



Sangatta: Orangutan garden (TF516)



Recent
Messinian
Tortonian
Serravallian
Langhian
Burdigalian



Sangatta: Orangutan garden (TF516)



ocen

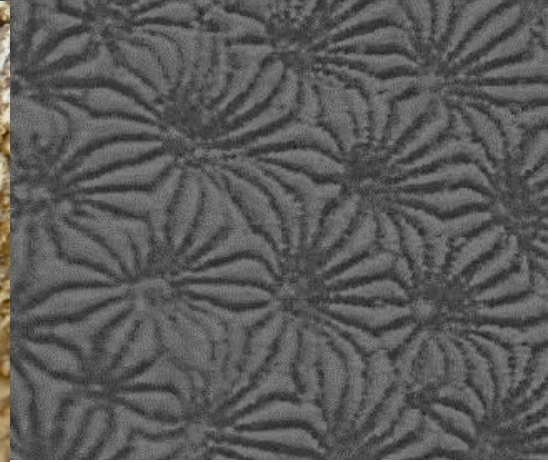
Messinian

Tortonian

Serravallian

Langhian

Burdigalian



Sangatta: Orangutan garden (TF516)



Messinian
Tortonian
Serravallian
Langhian
Burdigalian



Sangkulirang Bay: TF530



Pliocene

Messinian

Tortonian

Serravallian

Langhian

Burdigalian



Sangkulirang Bay: TF530



Pliocene

Messinian

Tortonian

Serravallian

Langhian

Burdigalian



Sangkulirang Bay: TF530



Pliocene

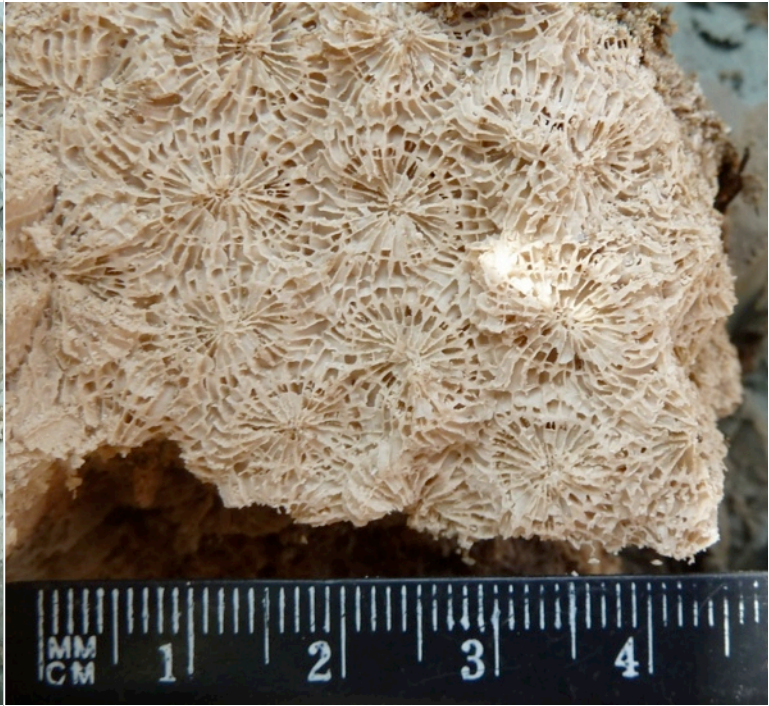
Messinian

Tortonian

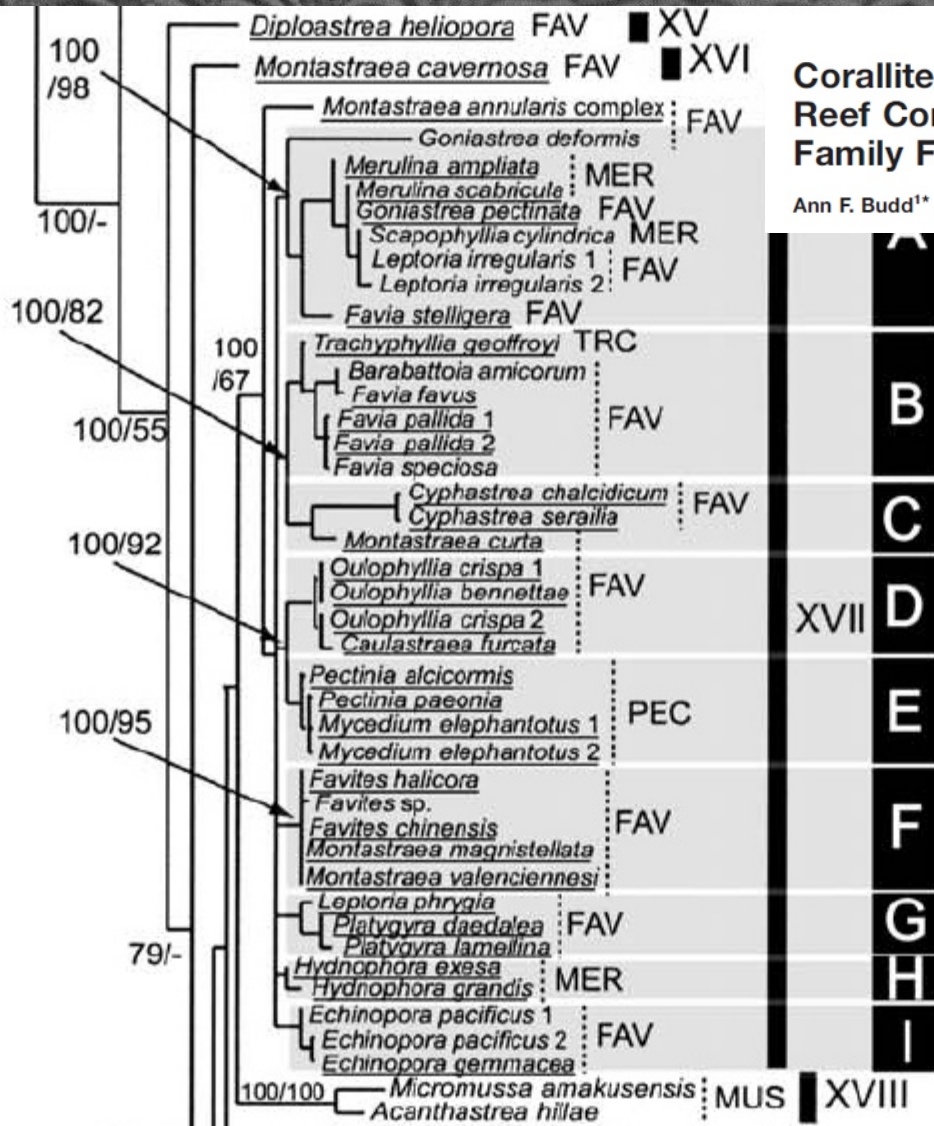
Serravallian

Langhian

Burdigalian

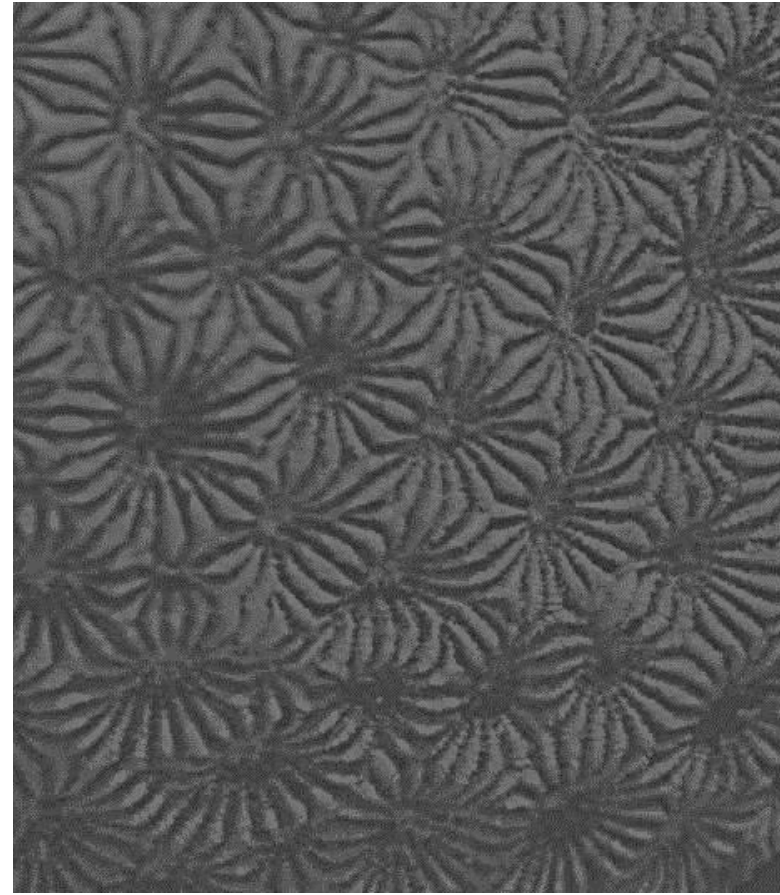


Objective 3: Origins of IP diversity. Adding fossils to the Scleractinia phylogenetic analysis



Corallite Wall and Septal Microstructure in Scleractinian Reef Corals: Comparison of Molecular Clades Within the Family Faviidae

Ann F. Budd^{1*} and Jaroslaw Stolarski²



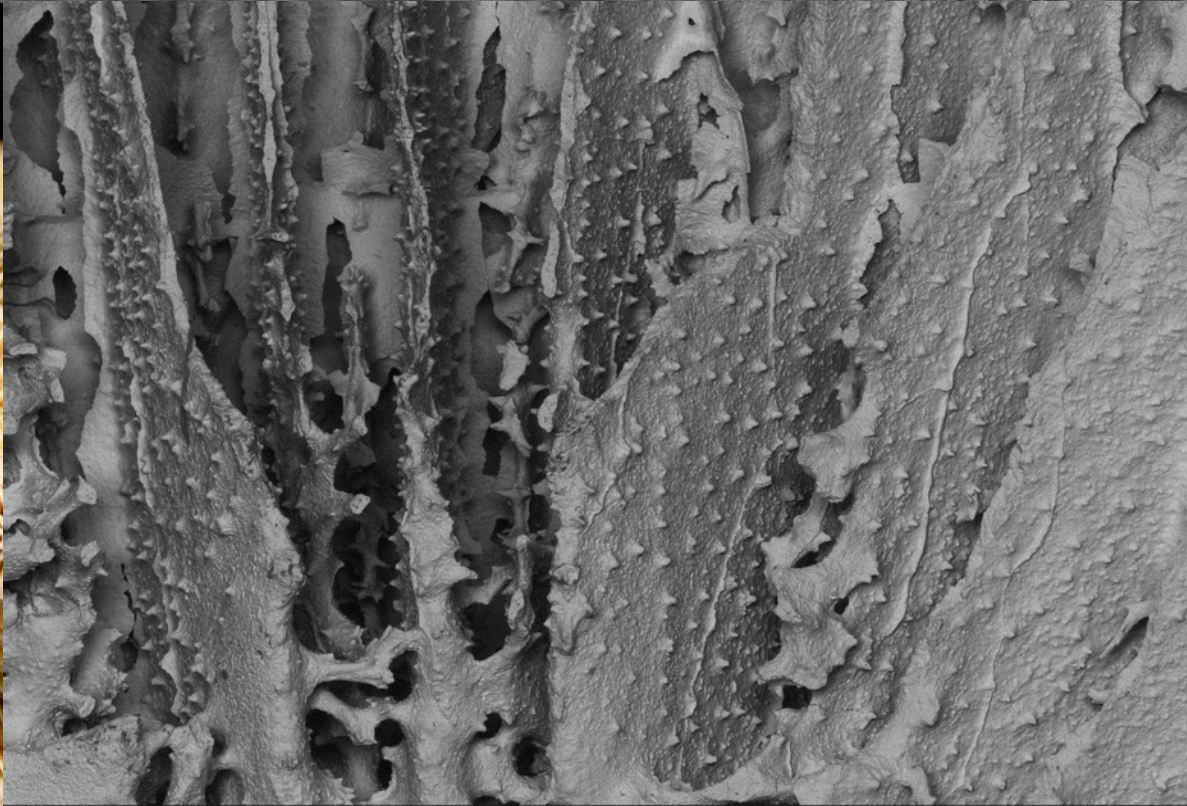
Objective 3:

Origins of IP diversity.

Adding fossils to the Scleractinia phylogenetic analysis



Objective 3: Origins of IP diversity. Adding fossils to the Scleractinia phylogenetic analysis



200 μ m Mag = 50 X EHT = 25.00 kV Signal A = BSD File Name = nsa0016.tif
WD = 50 mm Spot Size = 500 Chamber = 14 Pa

Summary



SAMPLES PROCESSING

- KJ: Exploratory collections 100%
- NTA's 60 %
- NS: NTA-2: 75%
- NTA-4: 10%

TAXONOMY

- 66 morphospecies in 40 genera
 - (~1500 specimens about 15% Total)
- Dictyraea, Anisocoenia, Cyathoseris, and Fungophyllia* extinct

Summary

PALAEOECOLOGY

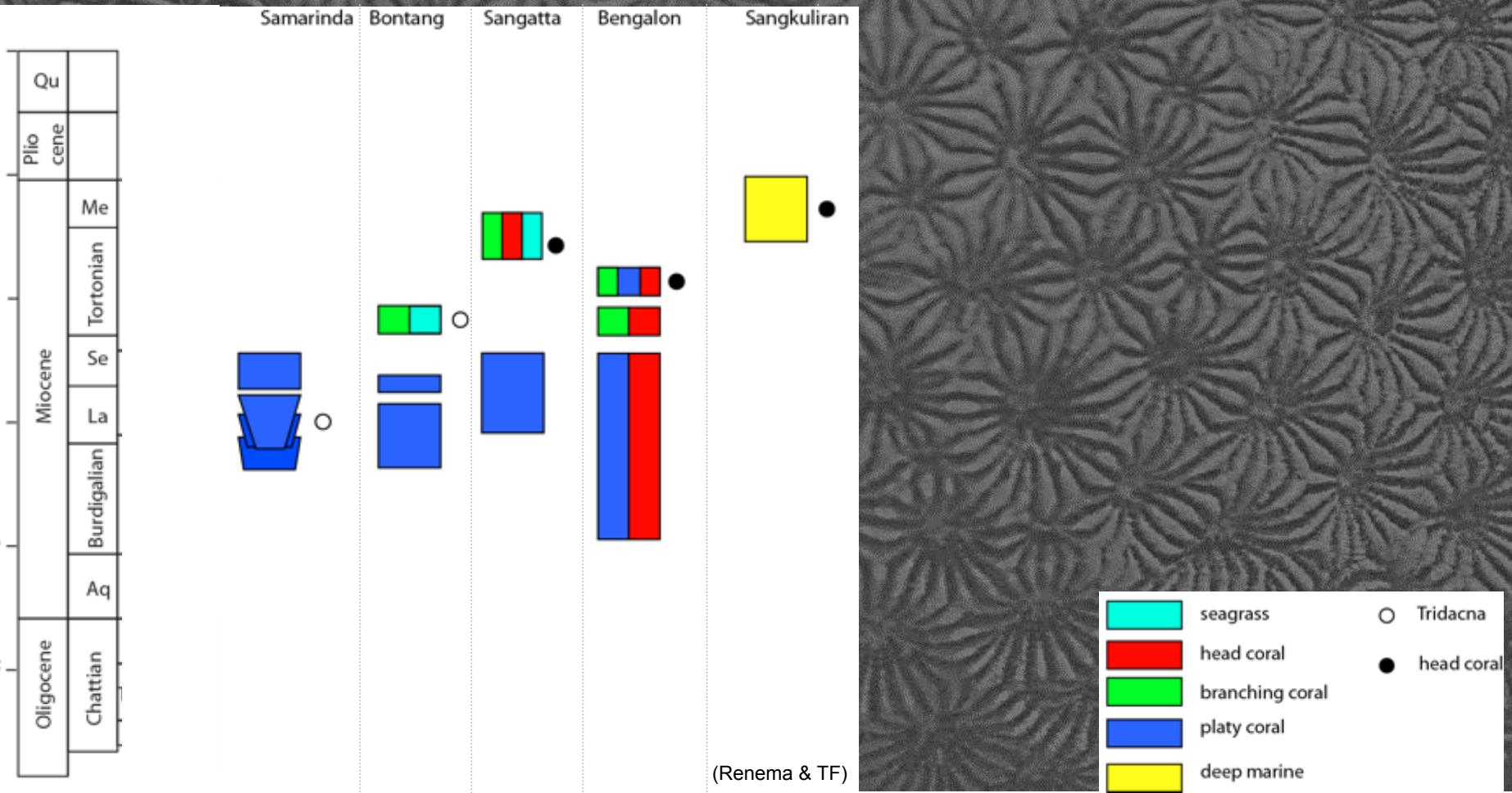


Summary



PALAEOECOLOGY

- Corals in a variety of palaeoenvironments



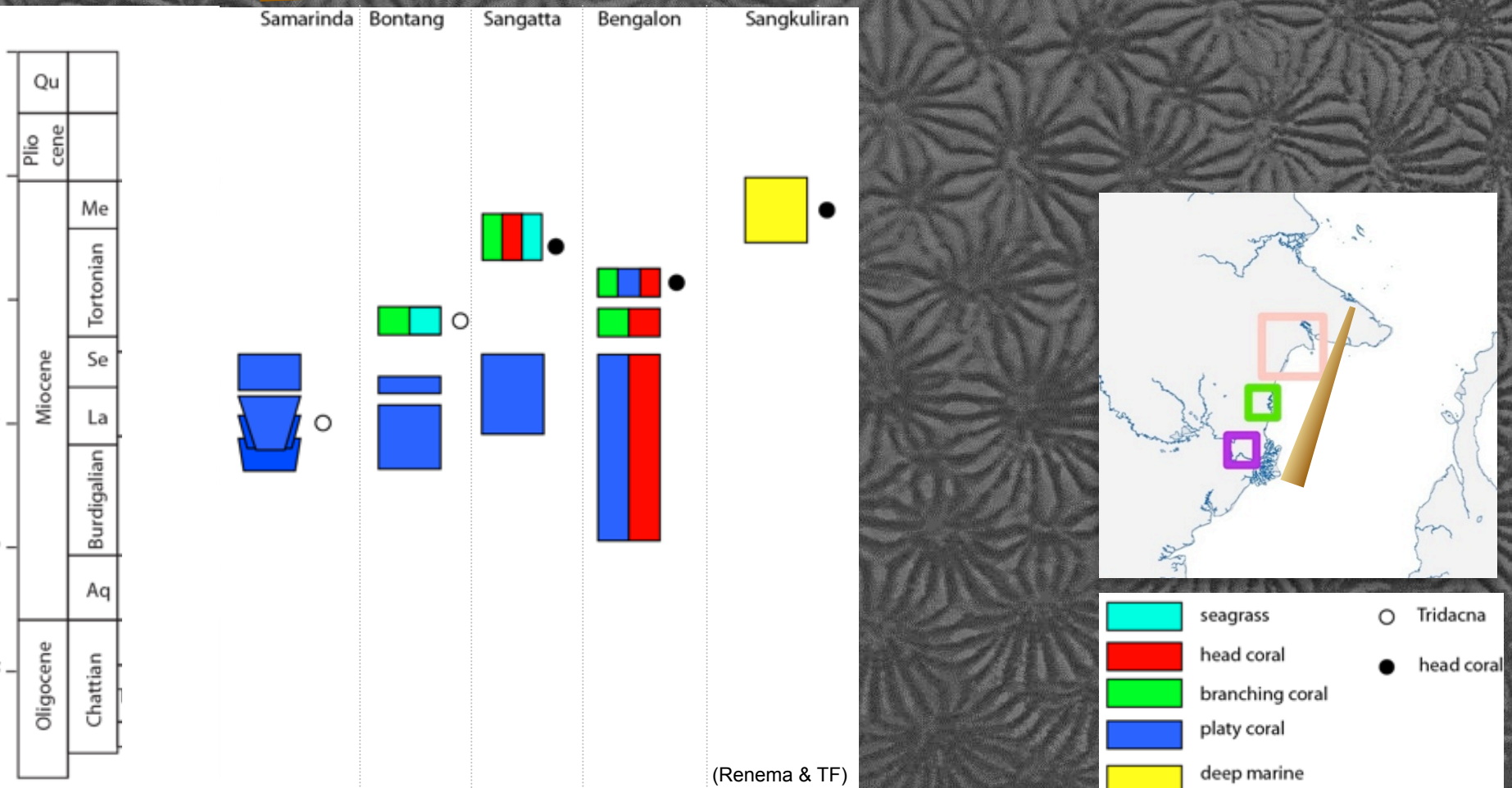
Summary



PALAEOECOLOGY

- Corals in a variety of palaeoenvironments
- Morphologies coping with river influence

HIGH  low



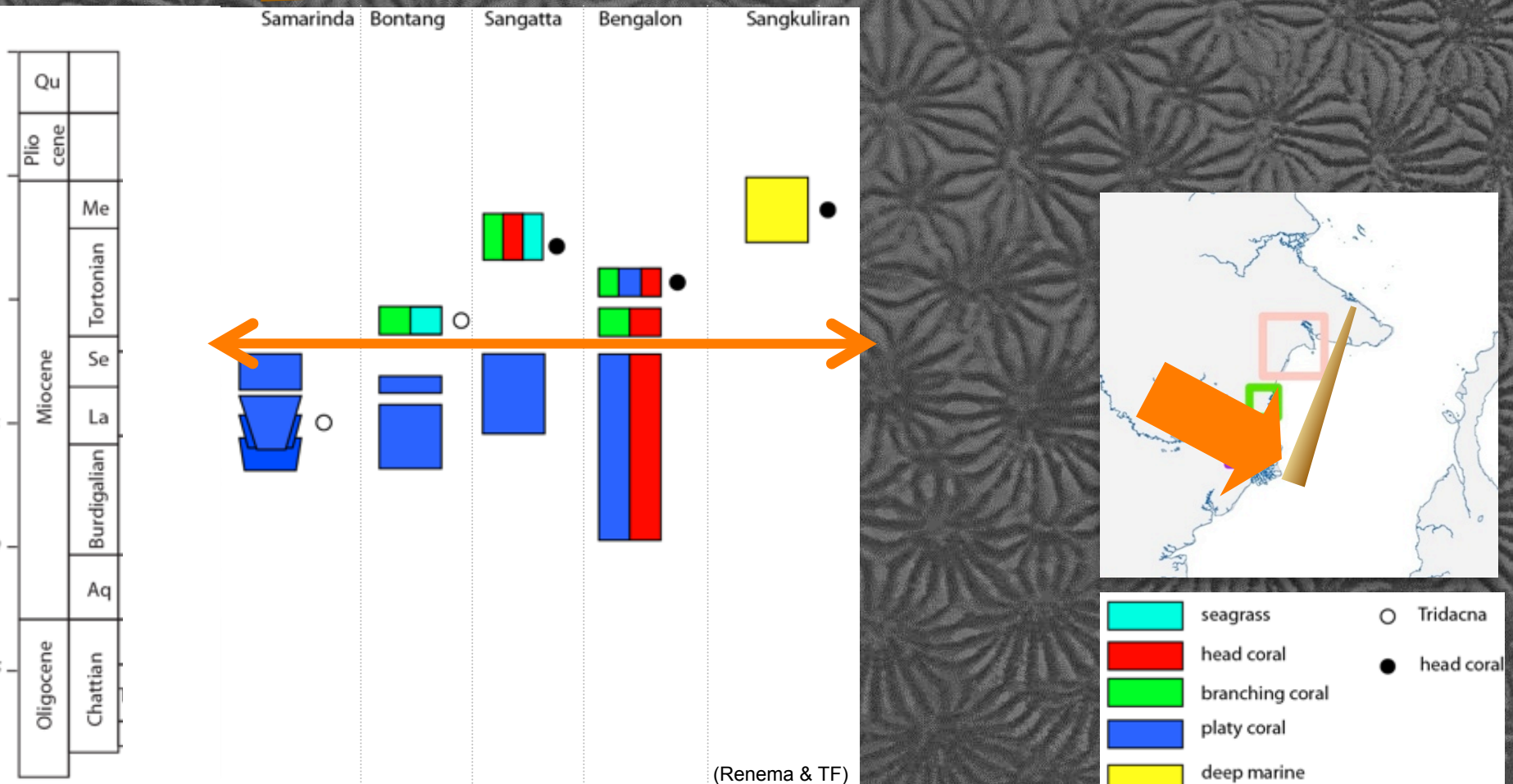
Summary



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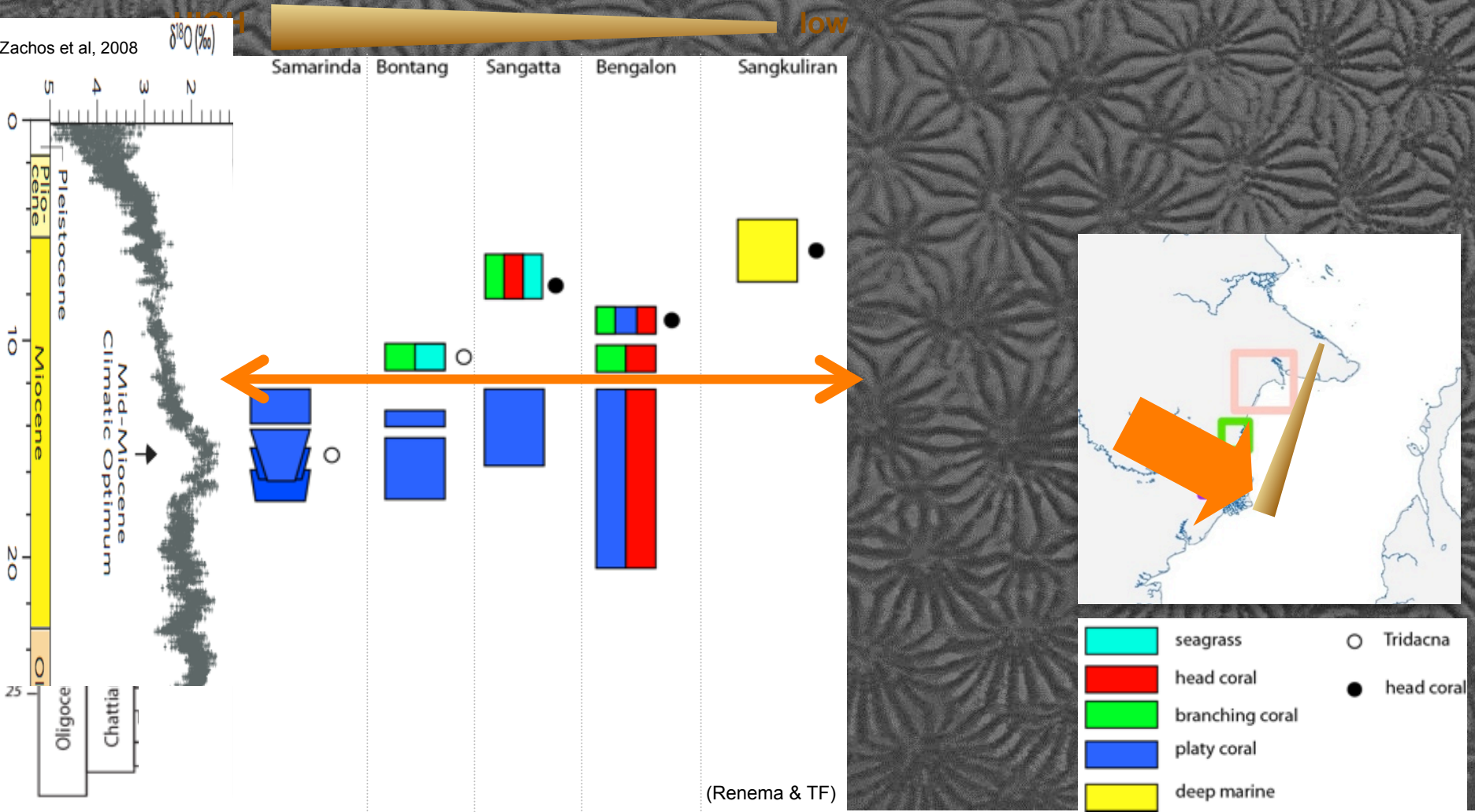


Summary



PALAEOECOLOGY

- Corals in a variety of palaeoenvironments
- Morphologies coping with river influence



Thanks to...



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