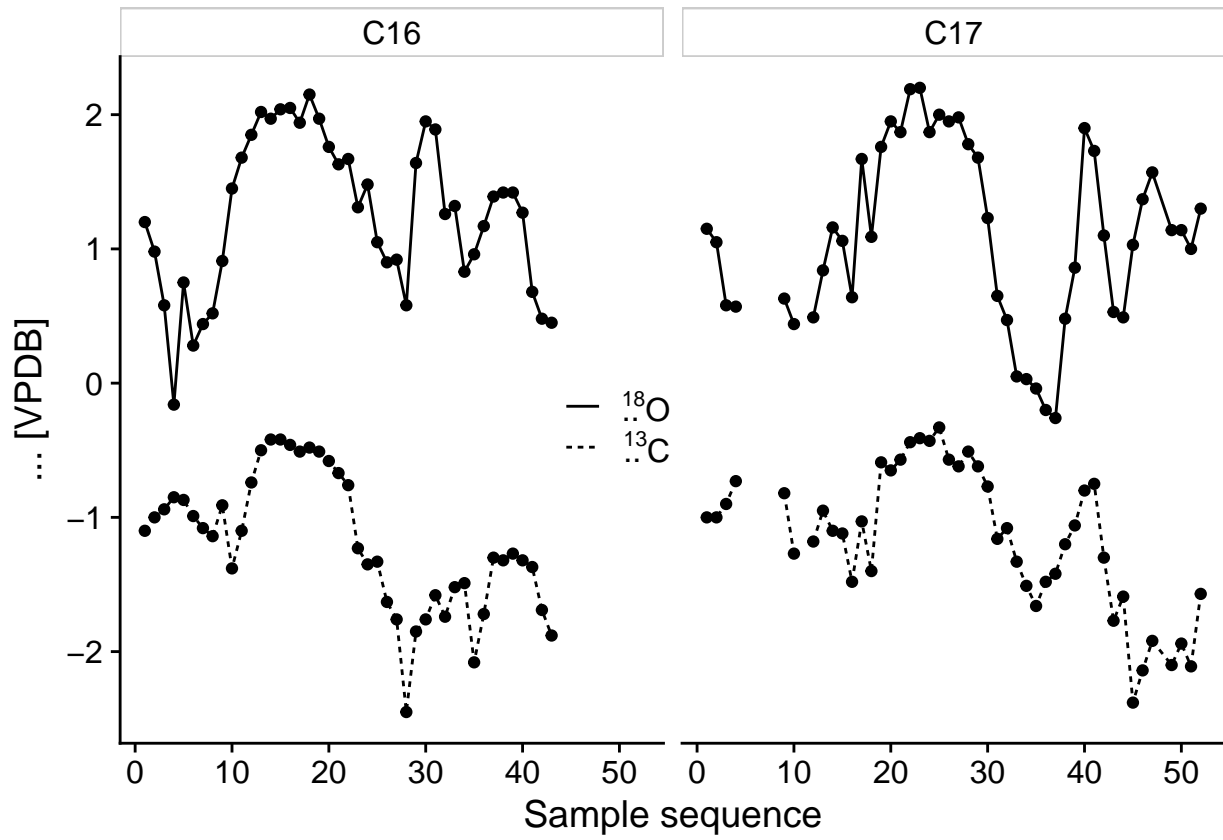


# Cellana test Mg/Ca and d18O

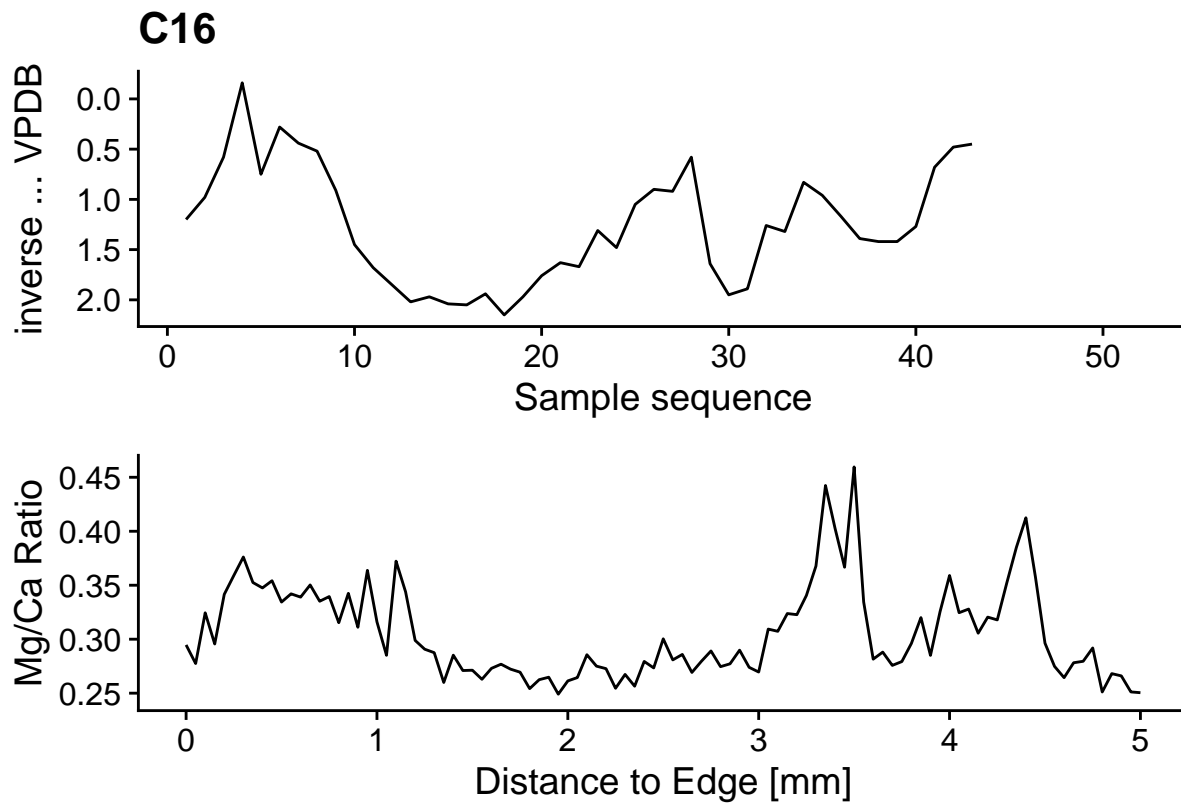
## Plots

Unchanged stable carbon and oxygen isotope data

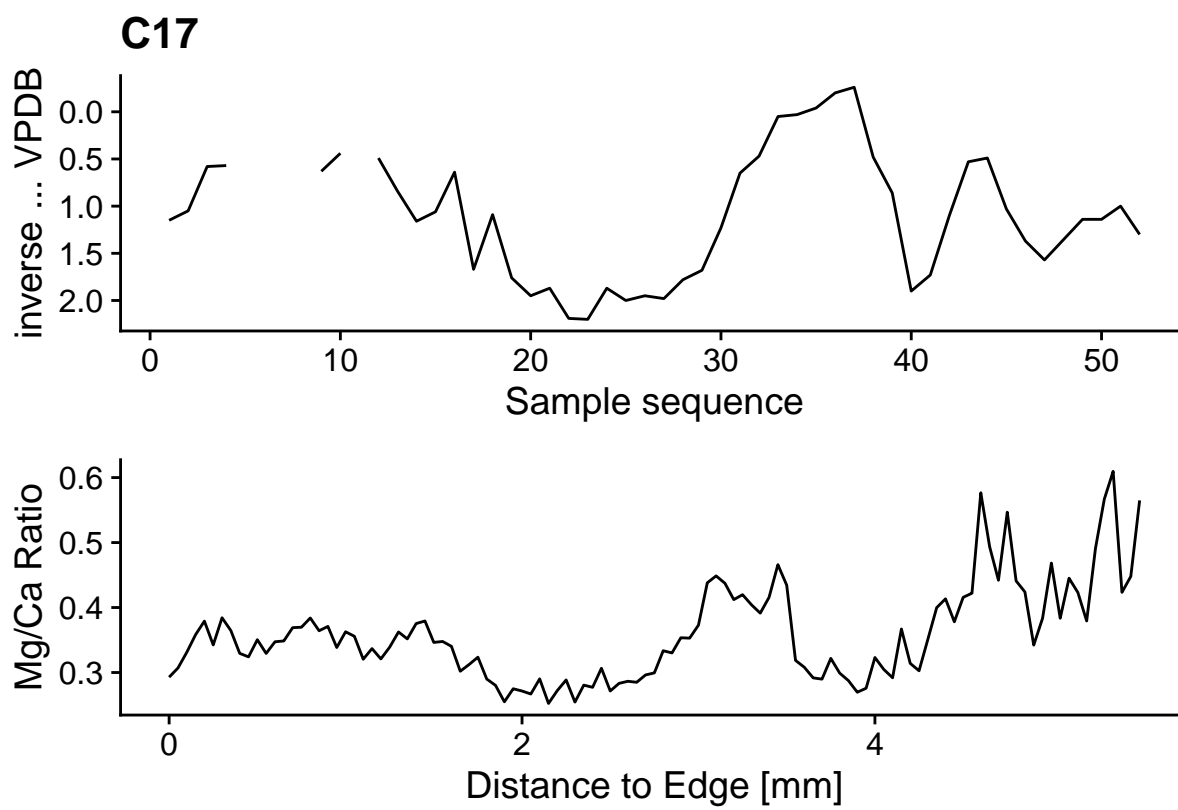


## Comparison of Oxygen Isotopes with Mg/Ca data

C16 unaligned



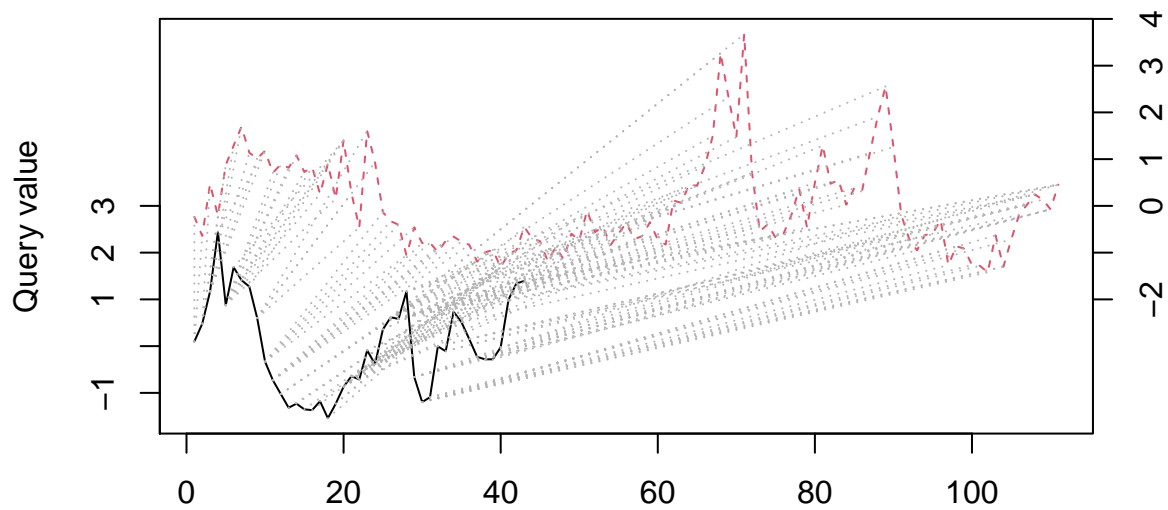
C17 unaligned



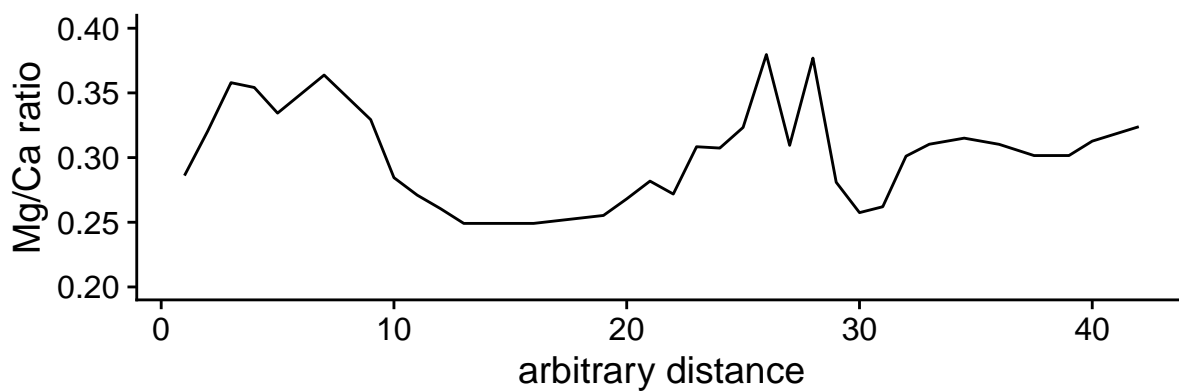
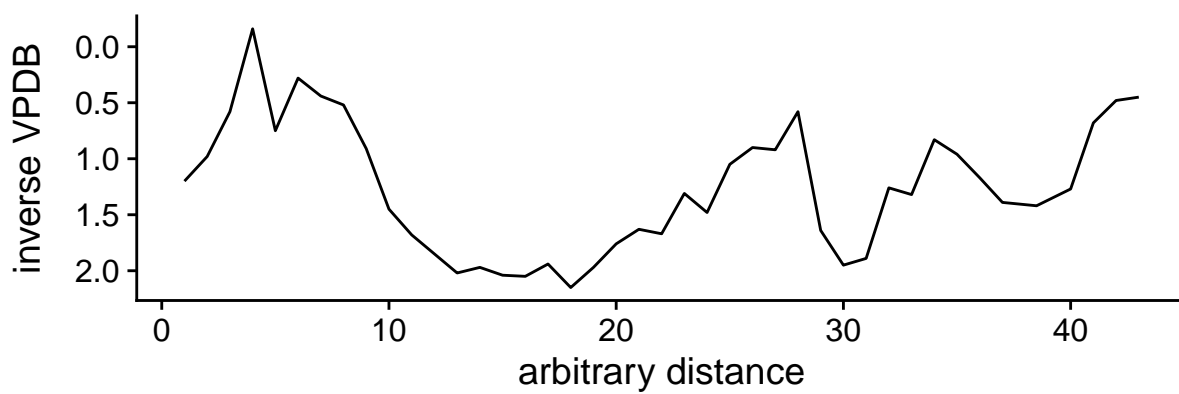
# Dynamic Time Warping and correlation graphs

Aligning d18O with Mg/Ca records

C16

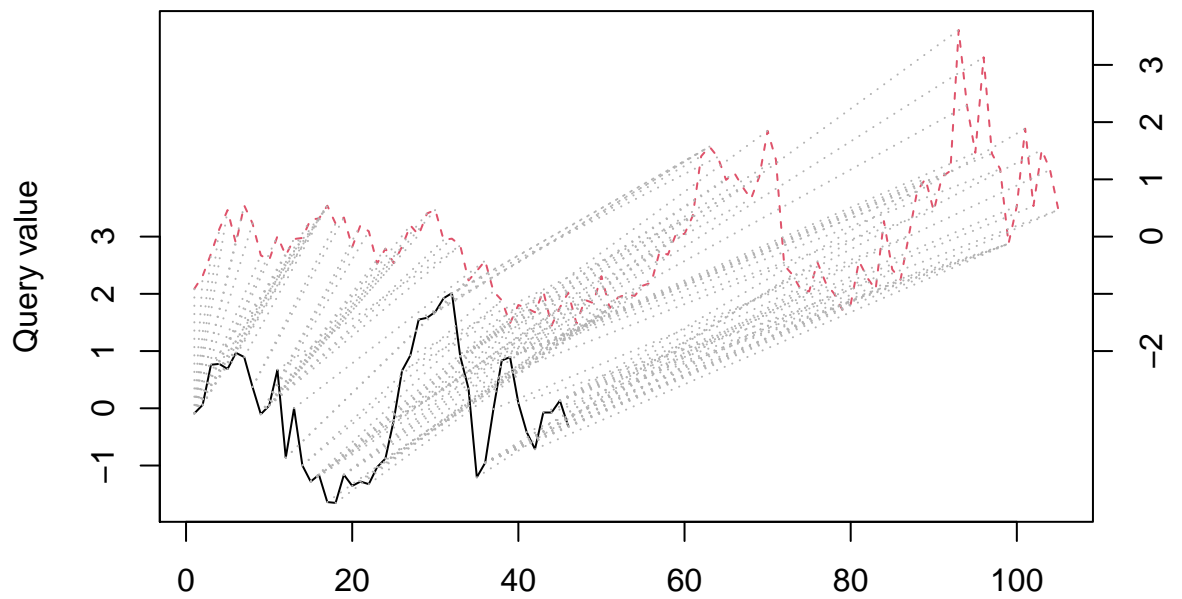


Warp data

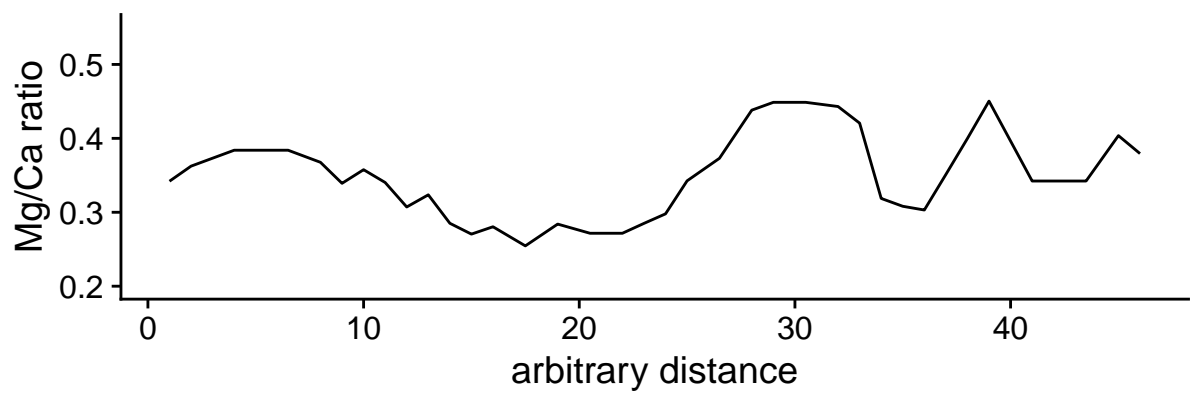
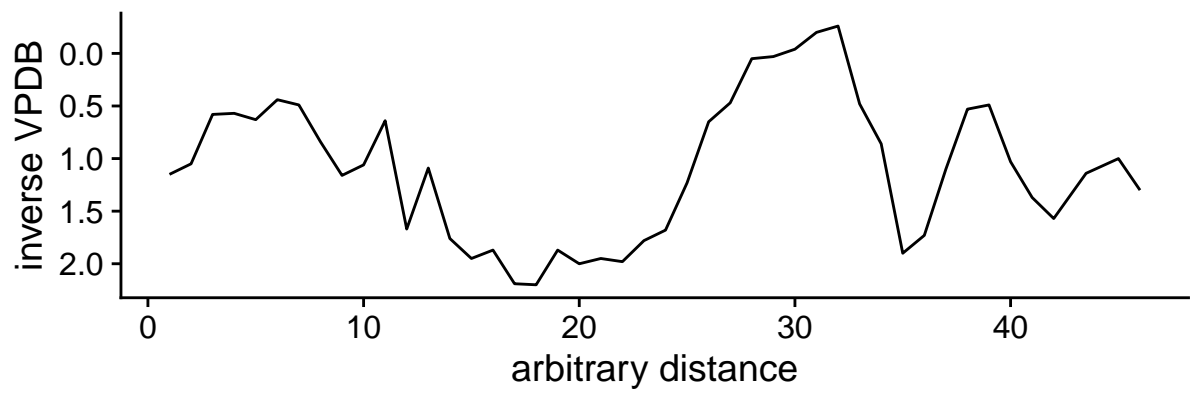


Adjust data

C17



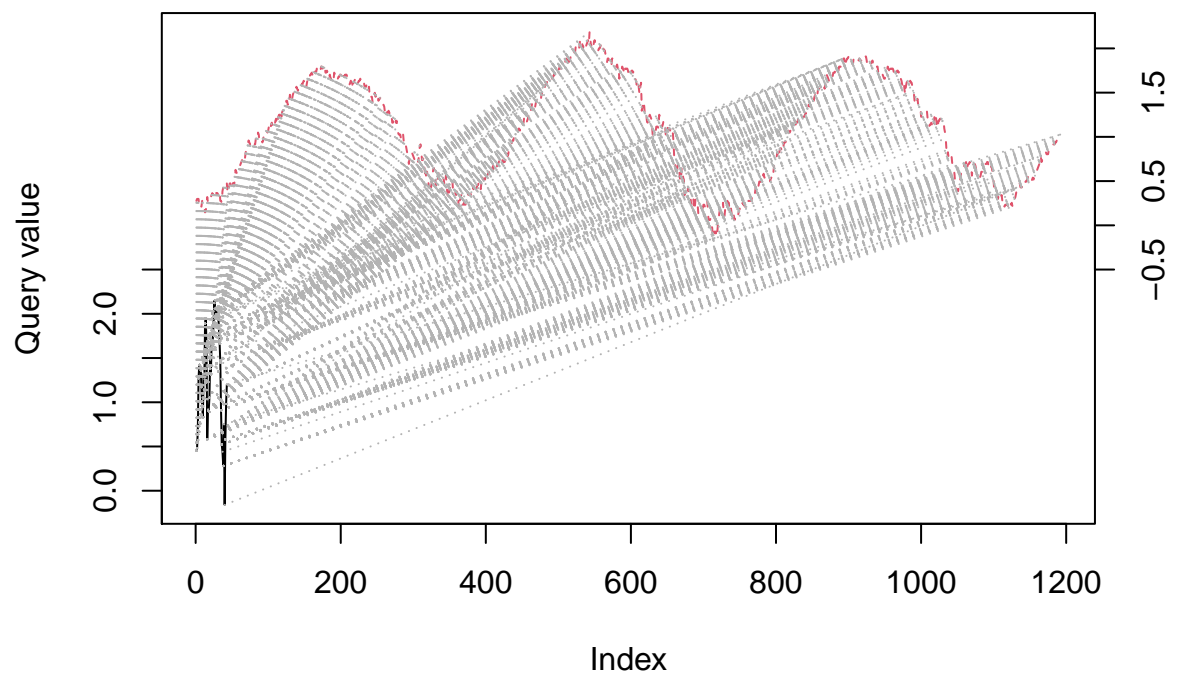
Warp data



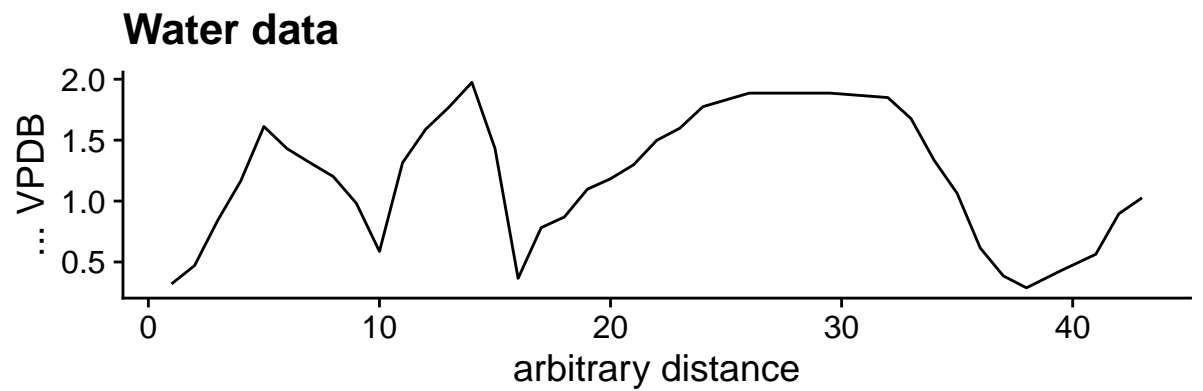
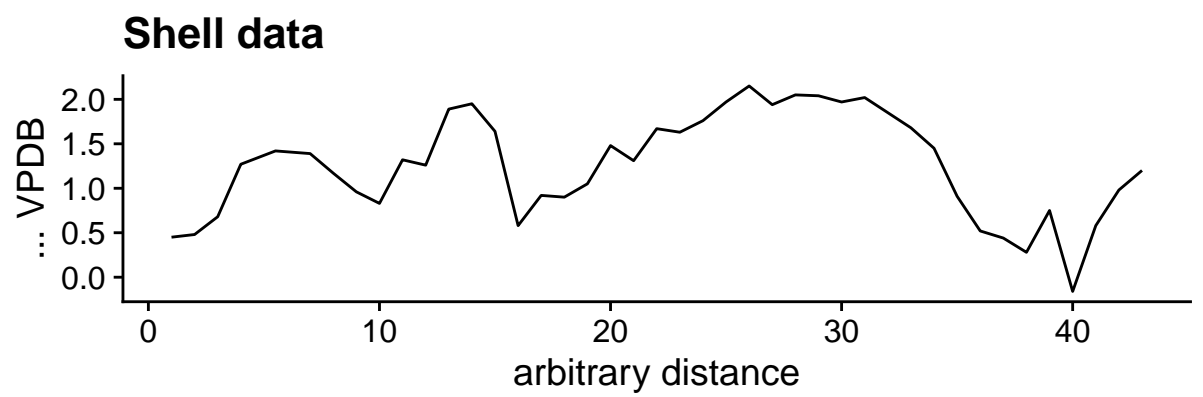
Adjust data

## Aligning SST\_O data

C16

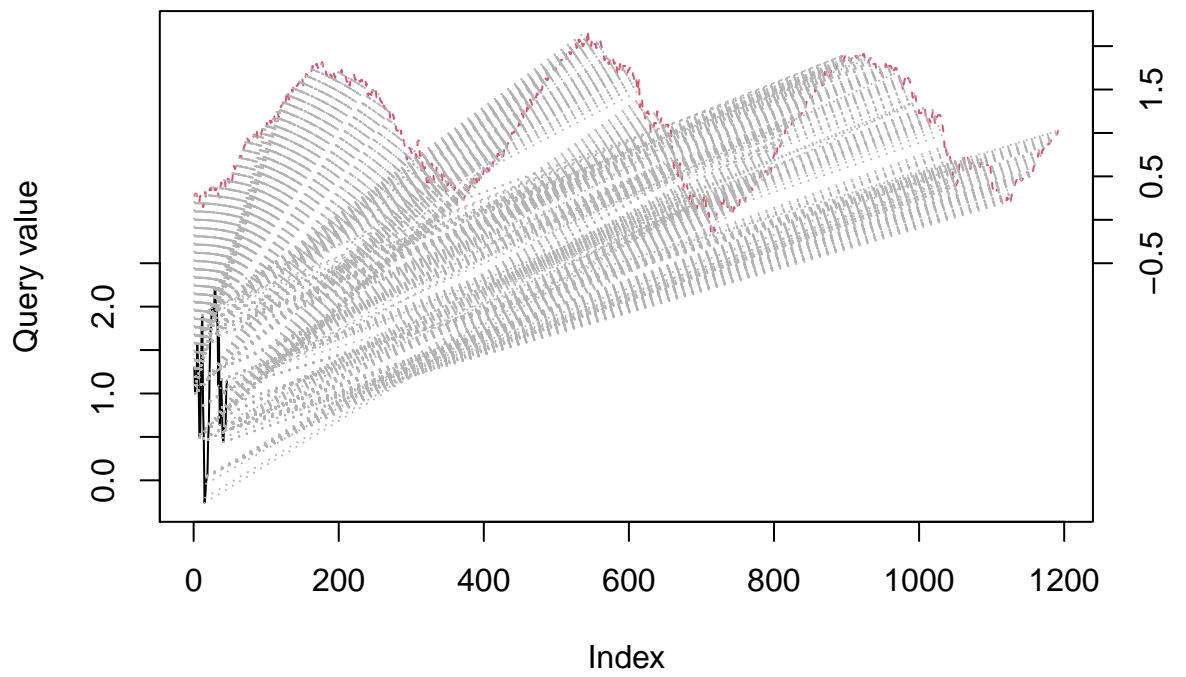


Warp data

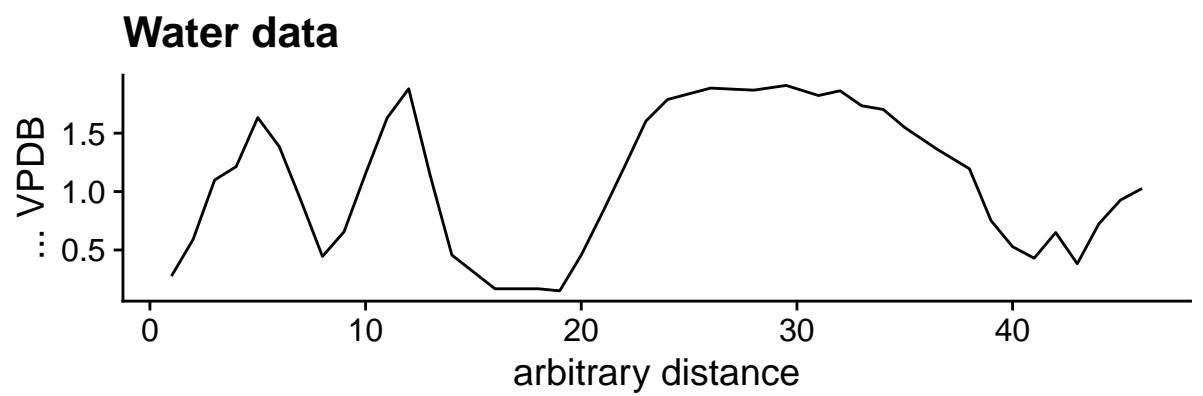
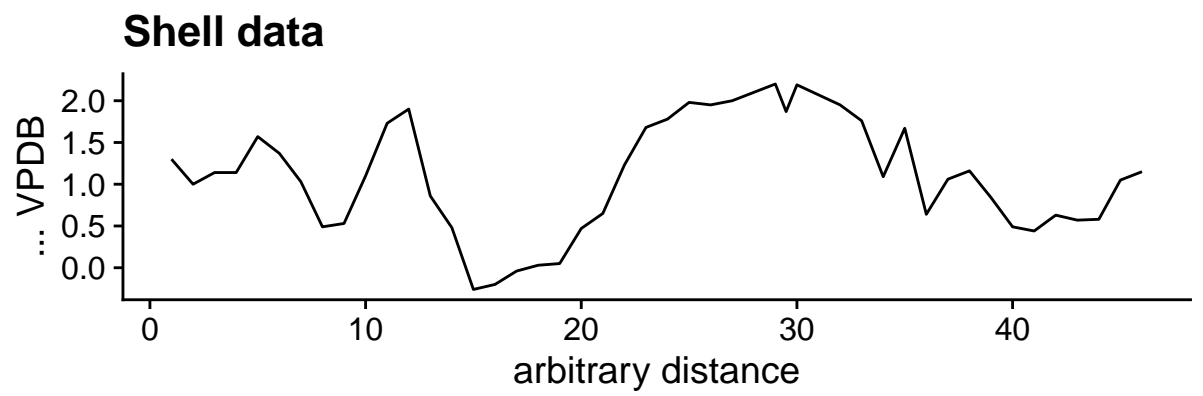


Adjust data

C17



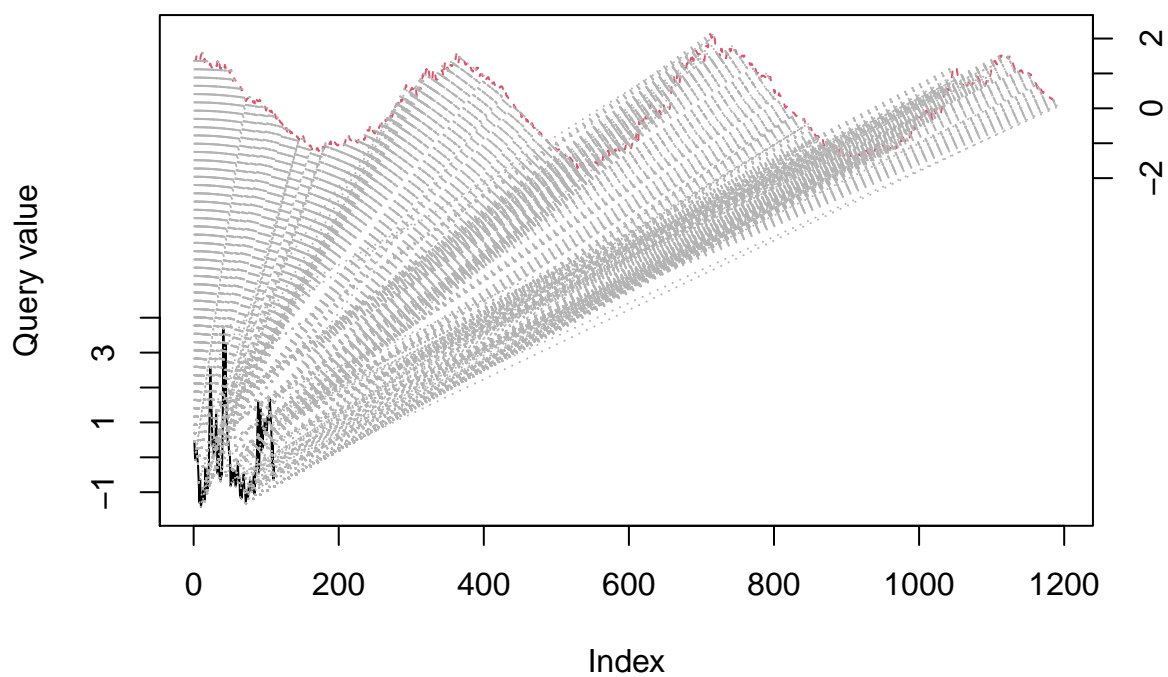
Warp data



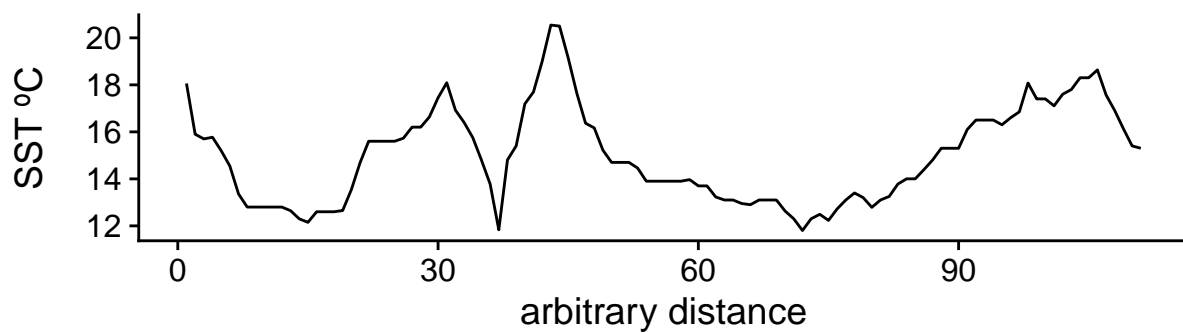
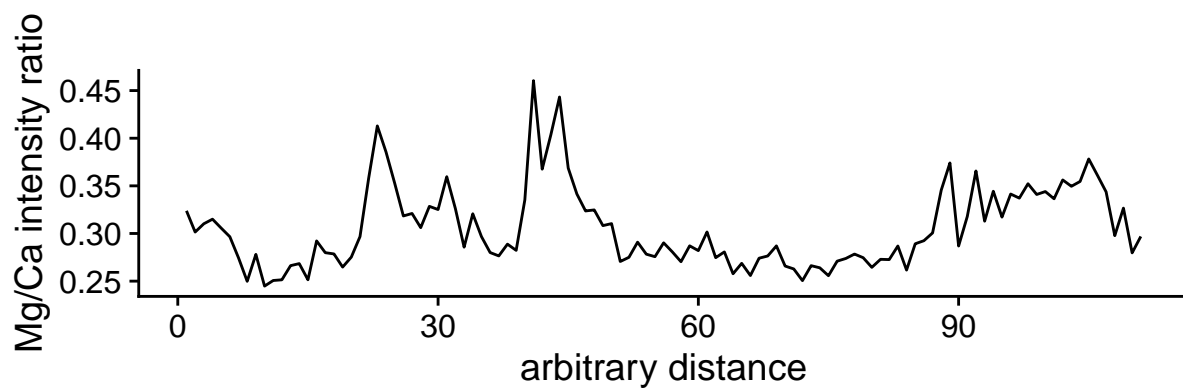
Adjust data

## Aligning SST\_MgCa data

C16



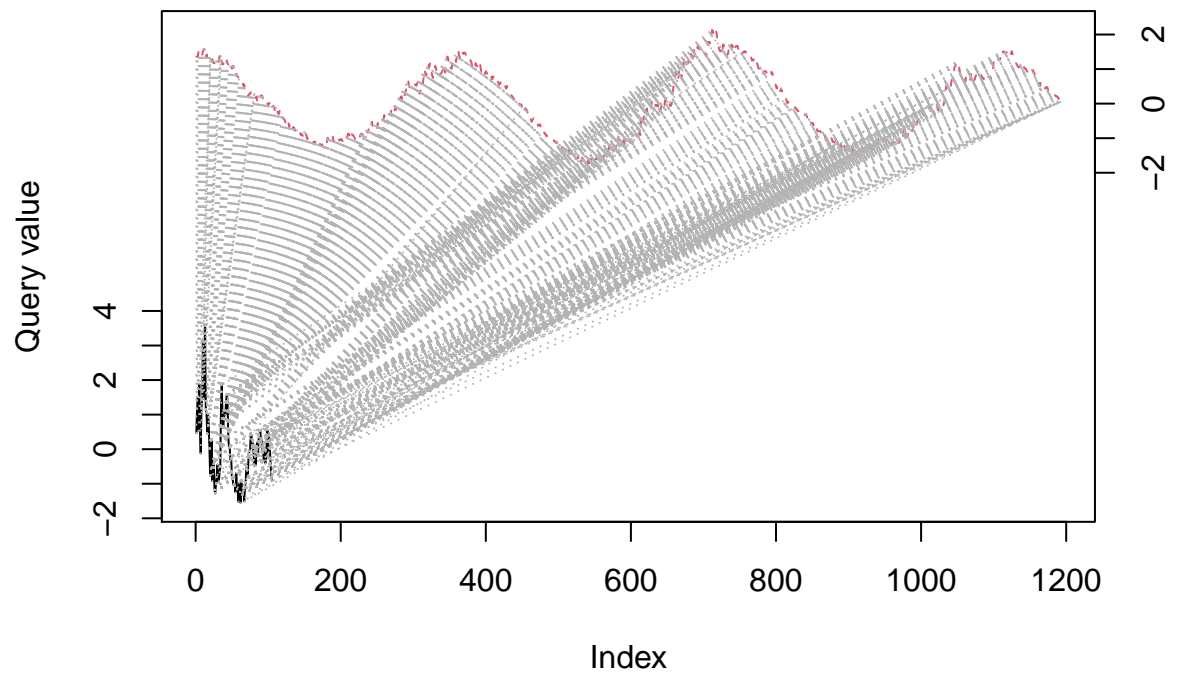
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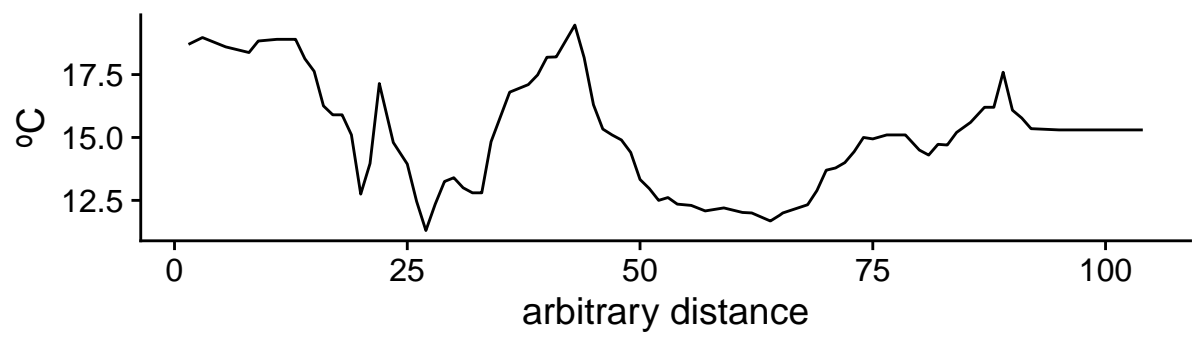
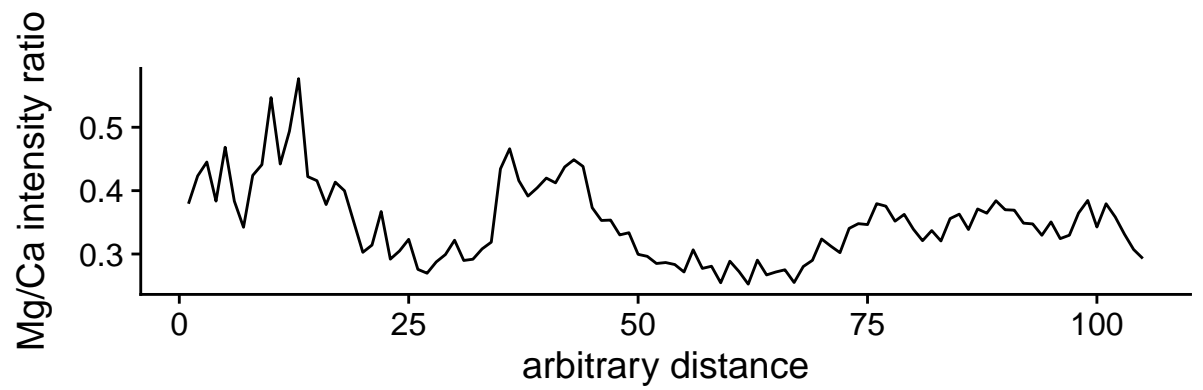
Adjust data



C17



Warp data

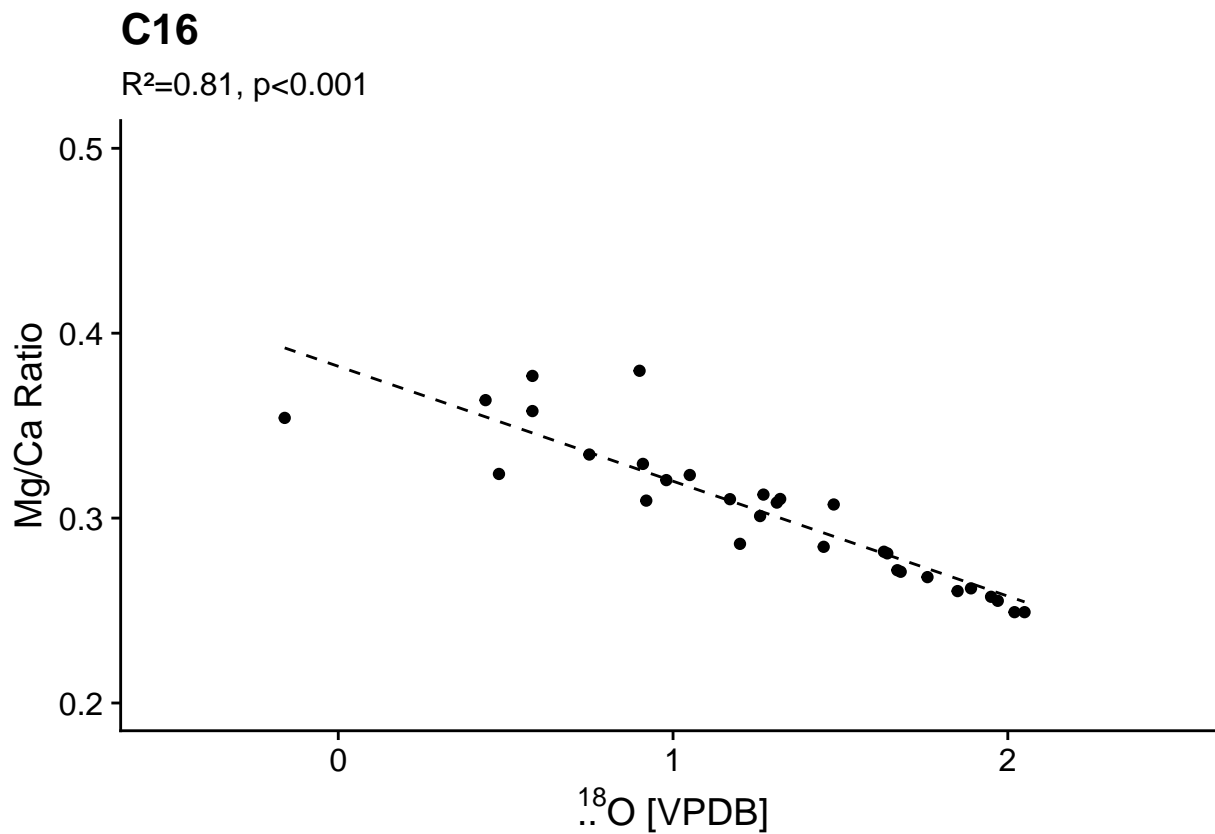


Adjust data

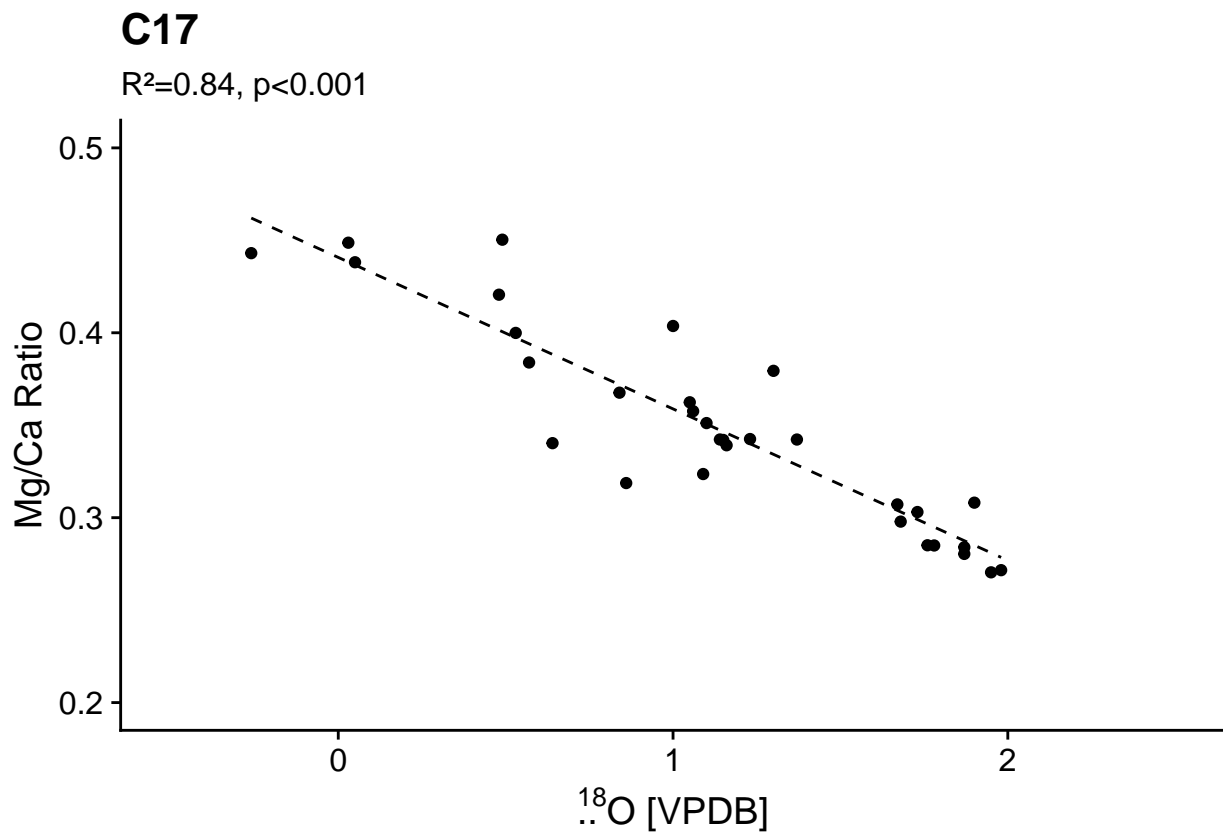
## Correlation Graphs

d18O to Mg/Ca

C16

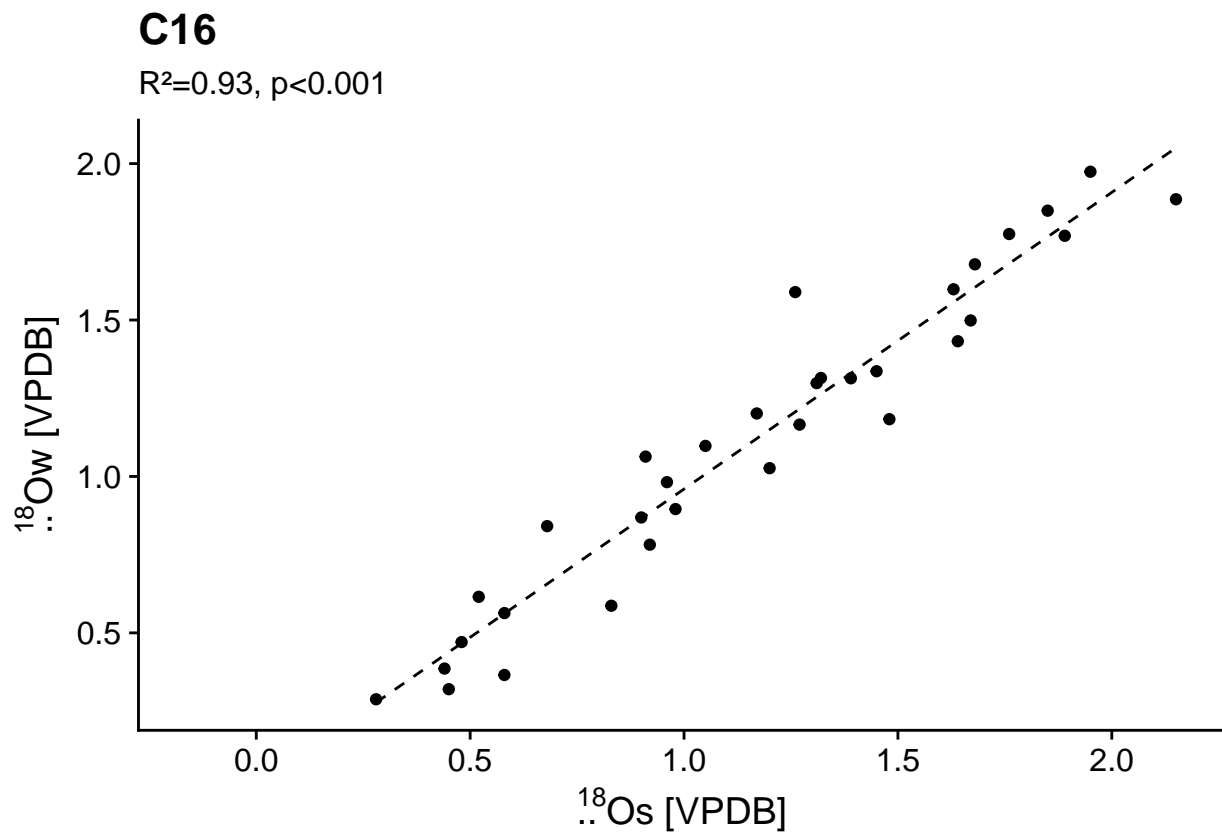


C17

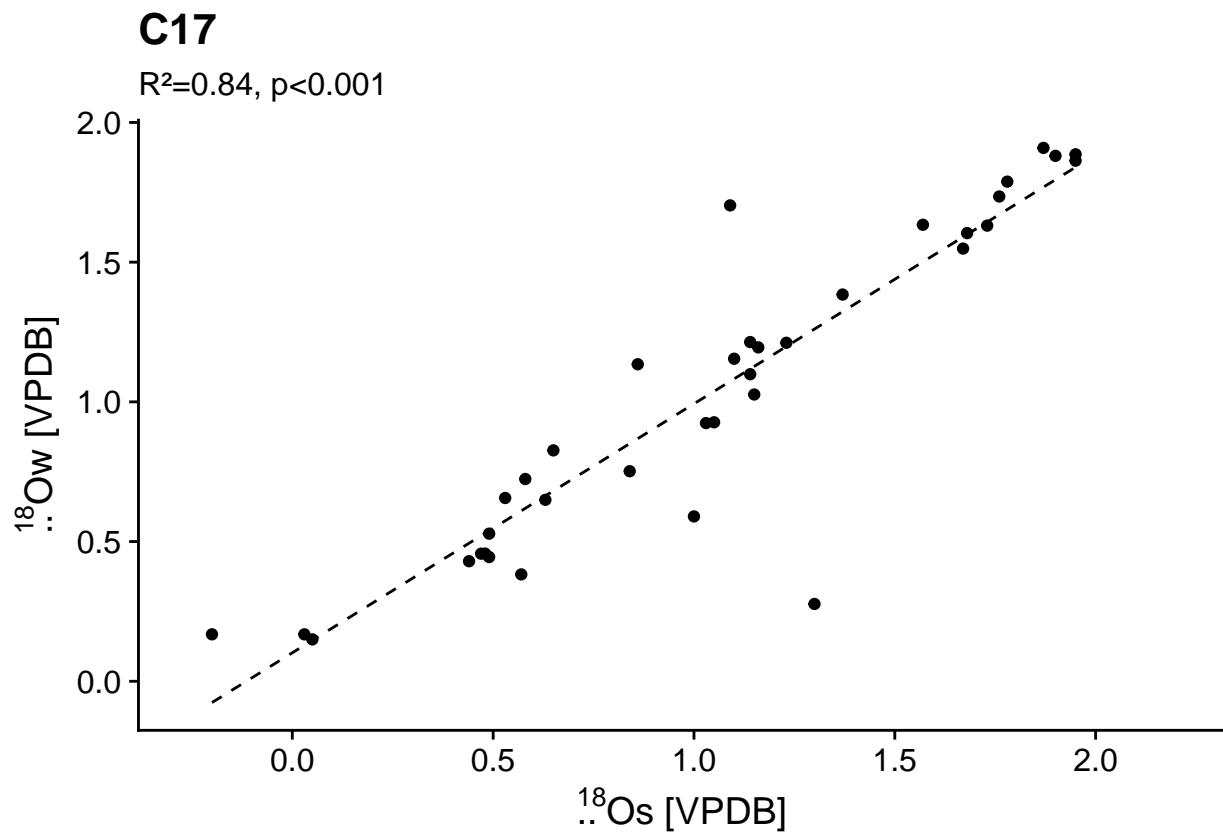


## SST to d18O correlations

C16

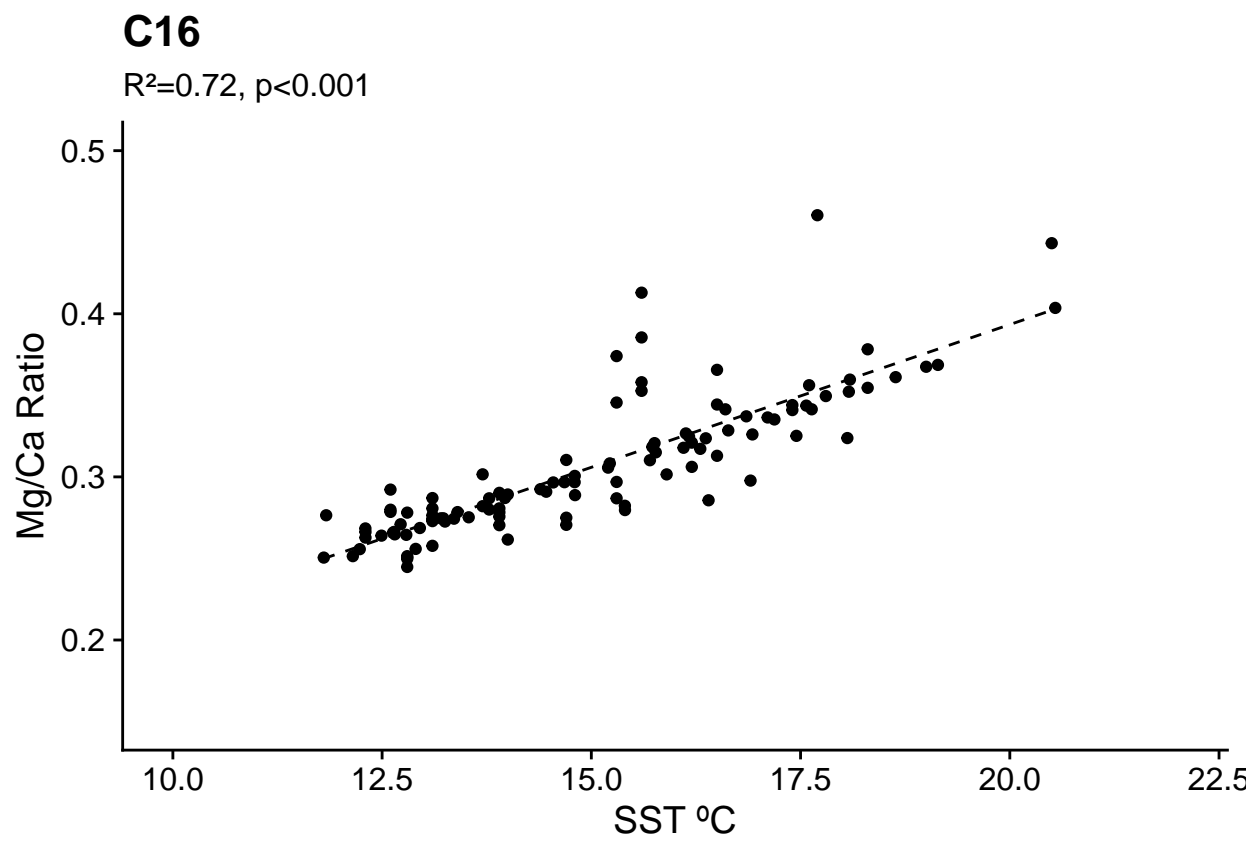


C17



Mg/Ca to SST

C16



C17

**C17**

$R^2=0.87$ ,  $p<0.001$

