



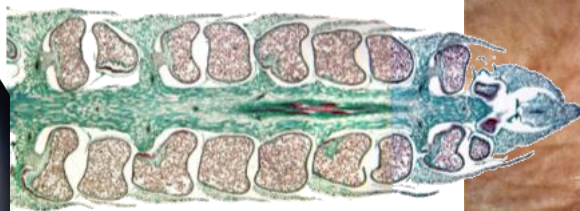


data expeditions november 2017

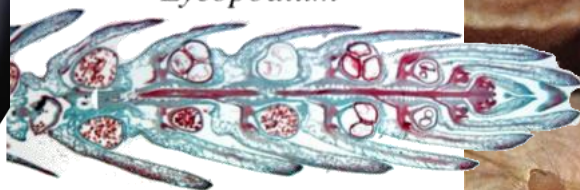


Photo: Firdia Lisnawati





*Lycopodium*



*Selaginella*



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[MakeAGIF.com](http://MakeAGIF.com)

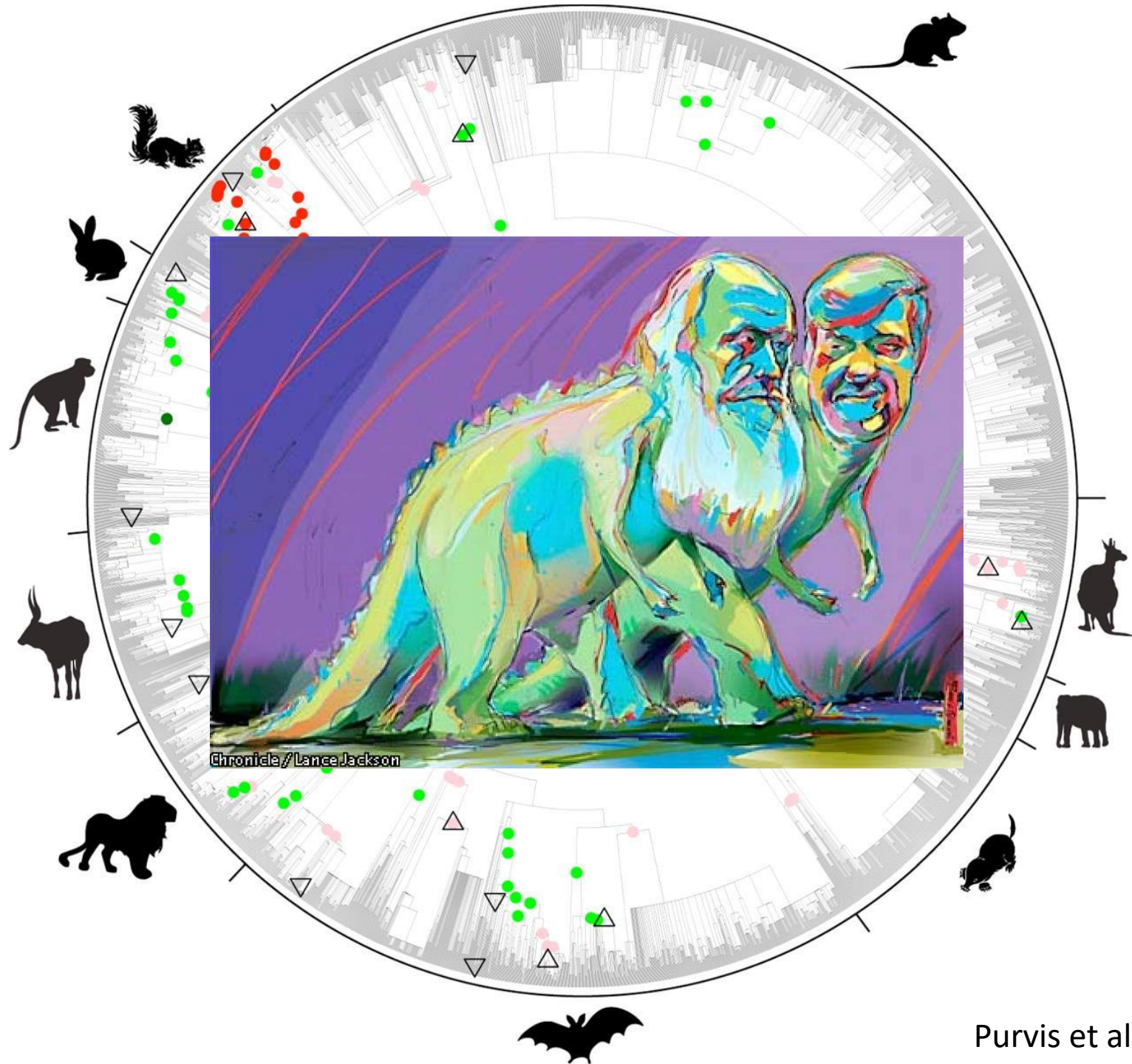


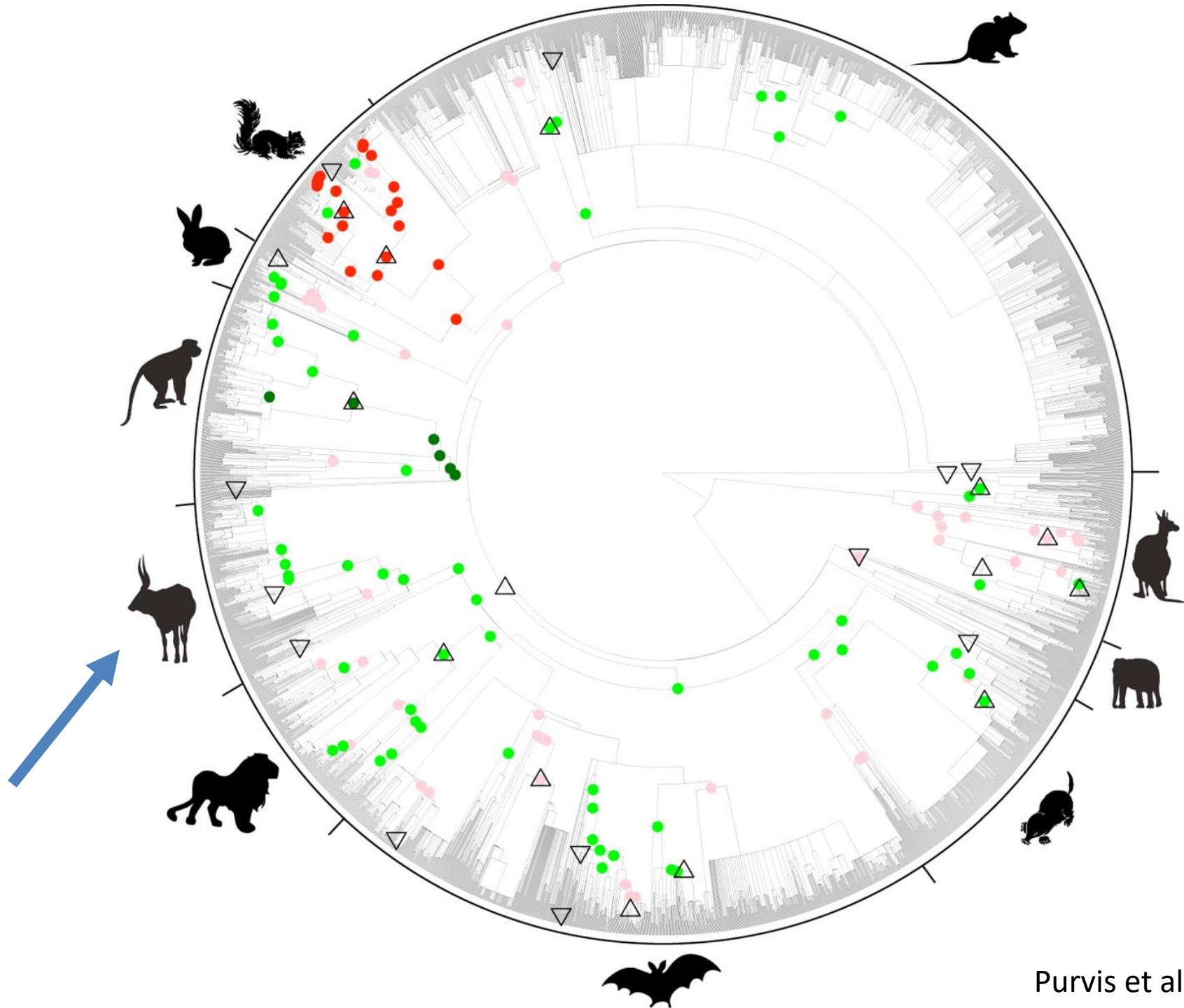
Eric LoPresti



[rodalorganiclif.com](http://rodalorganiclif.com)









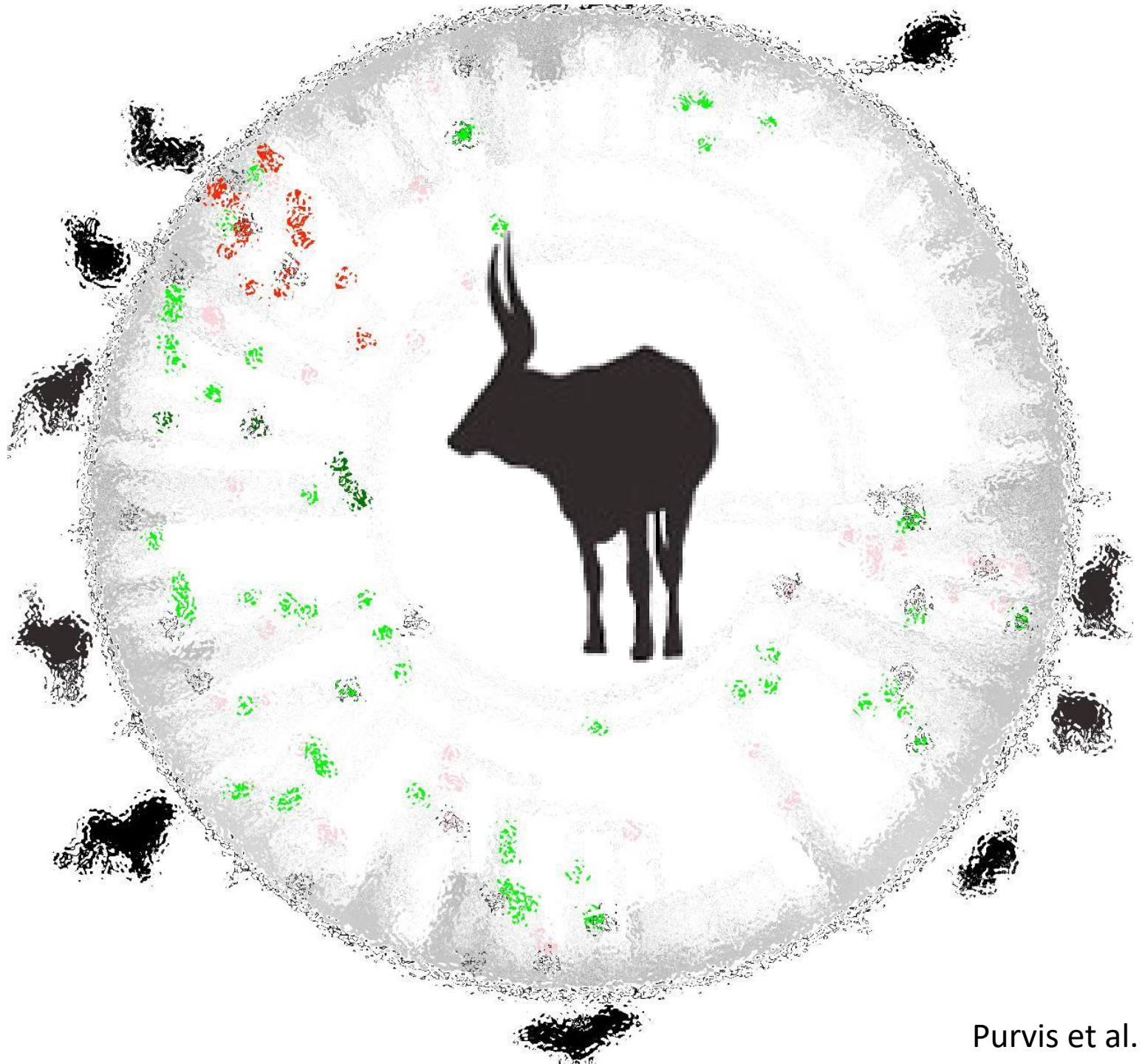


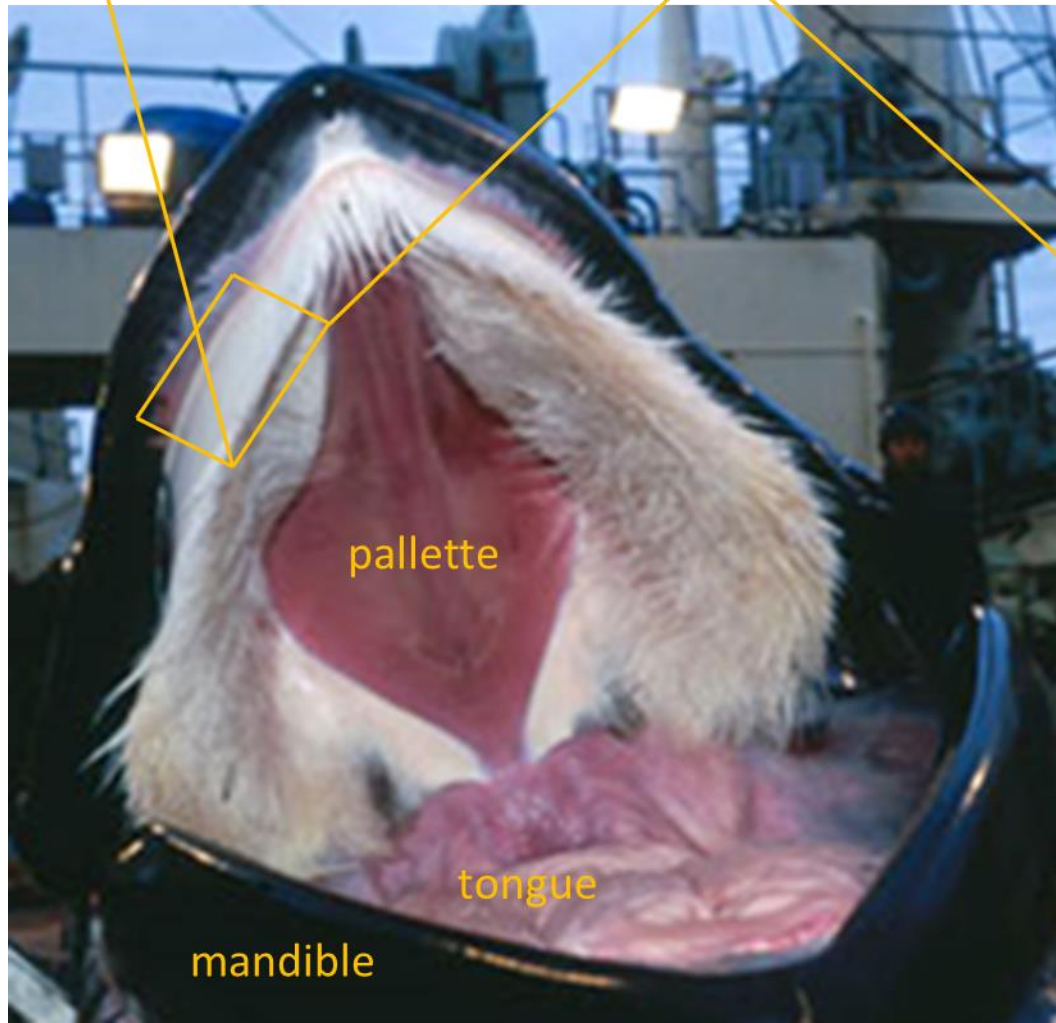
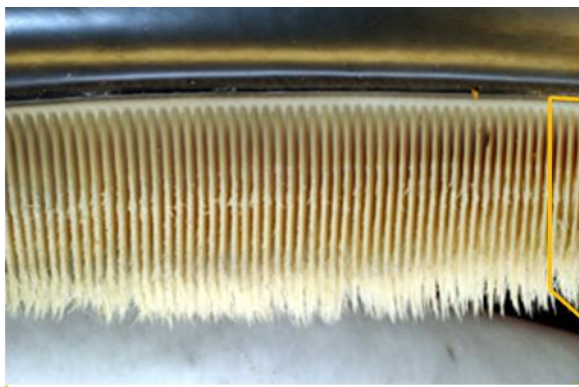


Photo: Stuart Altmann







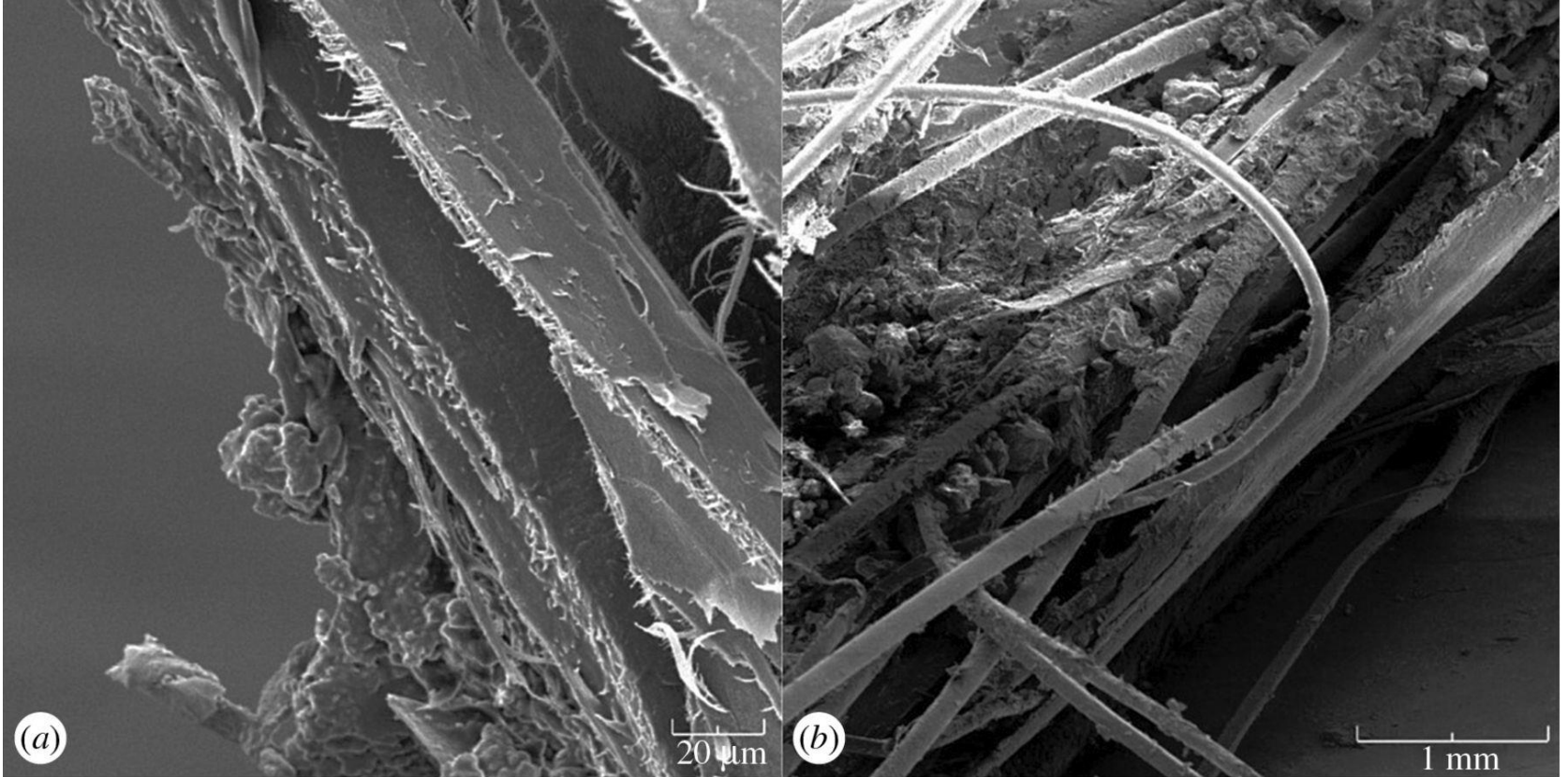


palette

tongue

mandible







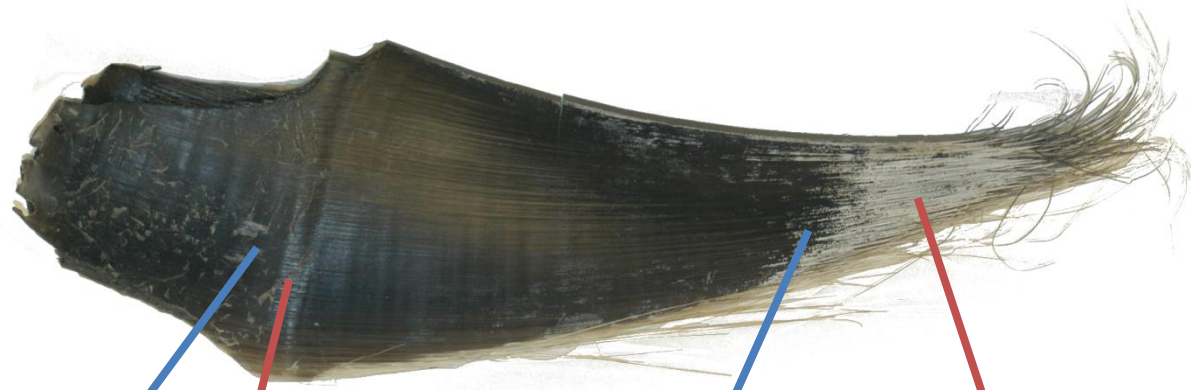
Proximal  
(newest)

distal  
(oldest)



Proximal  
(newest)

distal  
(oldest)



$^{13}\text{C}$

$^{15}\text{N}$

cortisol

progesterone



Proximal  
(newest)

distal  
(oldest)



$^{13}\text{C}$

$^{15}\text{N}$

Proximal  
(newest)

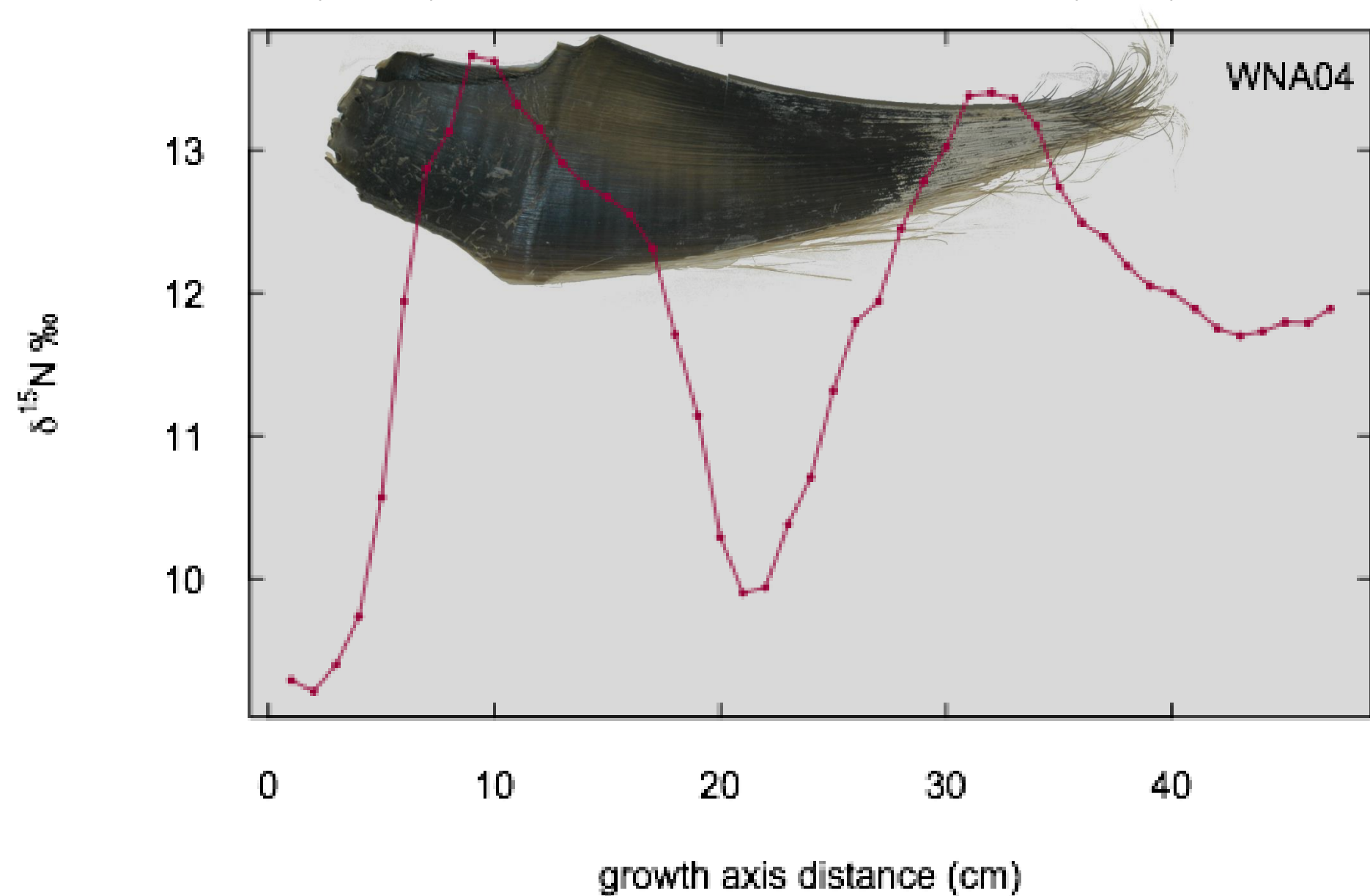
distal  
(oldest)





Proximal  
(newest)

distal  
(oldest)



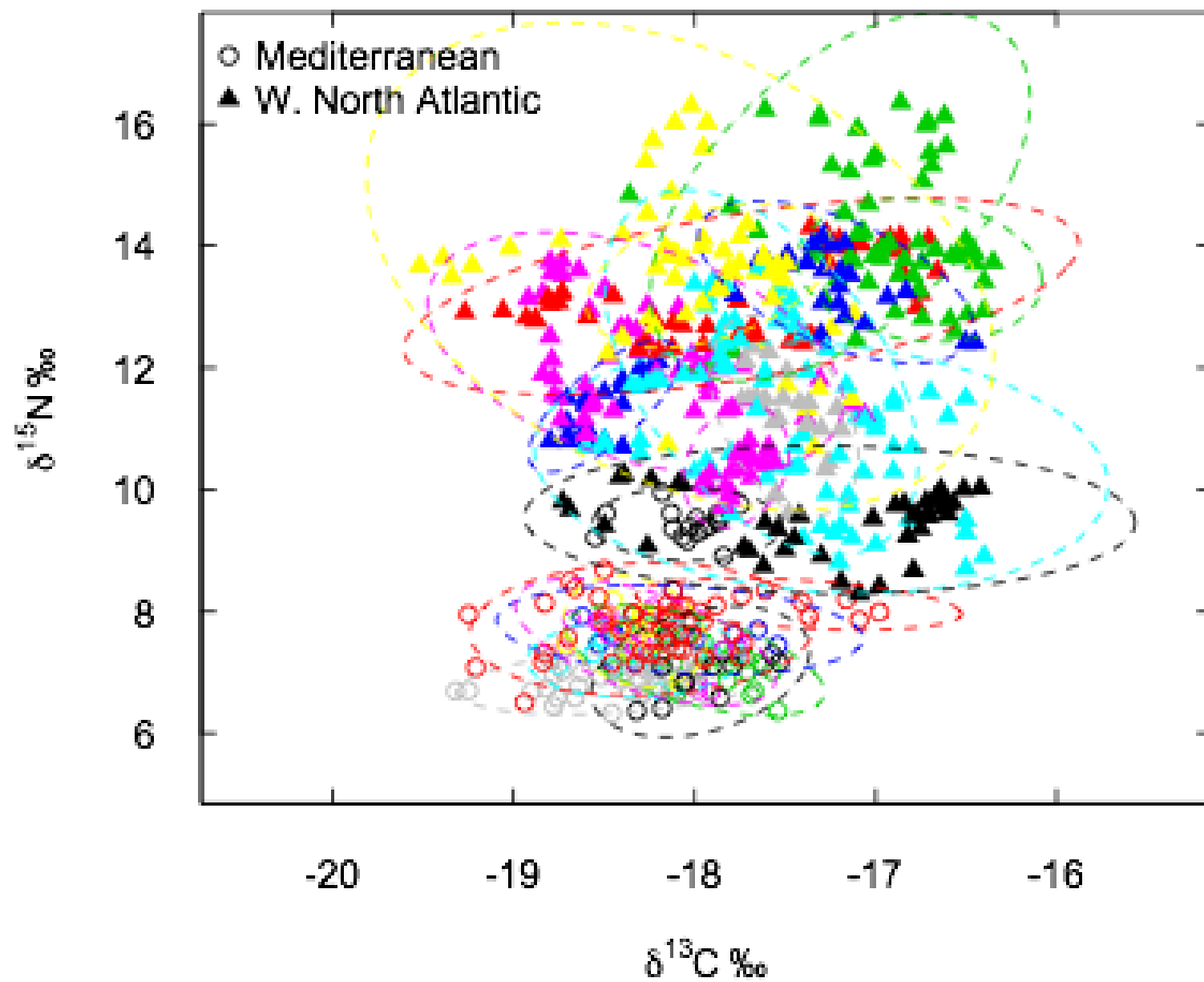
Bentaleb et al. 2011

id	year	id	year
MS01	1975	WNA01	1873
MS02	1980	WNA02	1875
MS03	1989	WNA03	1899
MS04	1989	WNA04	1914
MS05	1990	WNA05	1952
MS06	1992	WNA06	1961
MS07	1993	WNA07	1975
MS08	1996	WNA08	1975
MS09	2000	WNA09	1977
MS10	2002	WNA10	1992
		WNA11	1994
		WNA12	1995
		WNA13	2010

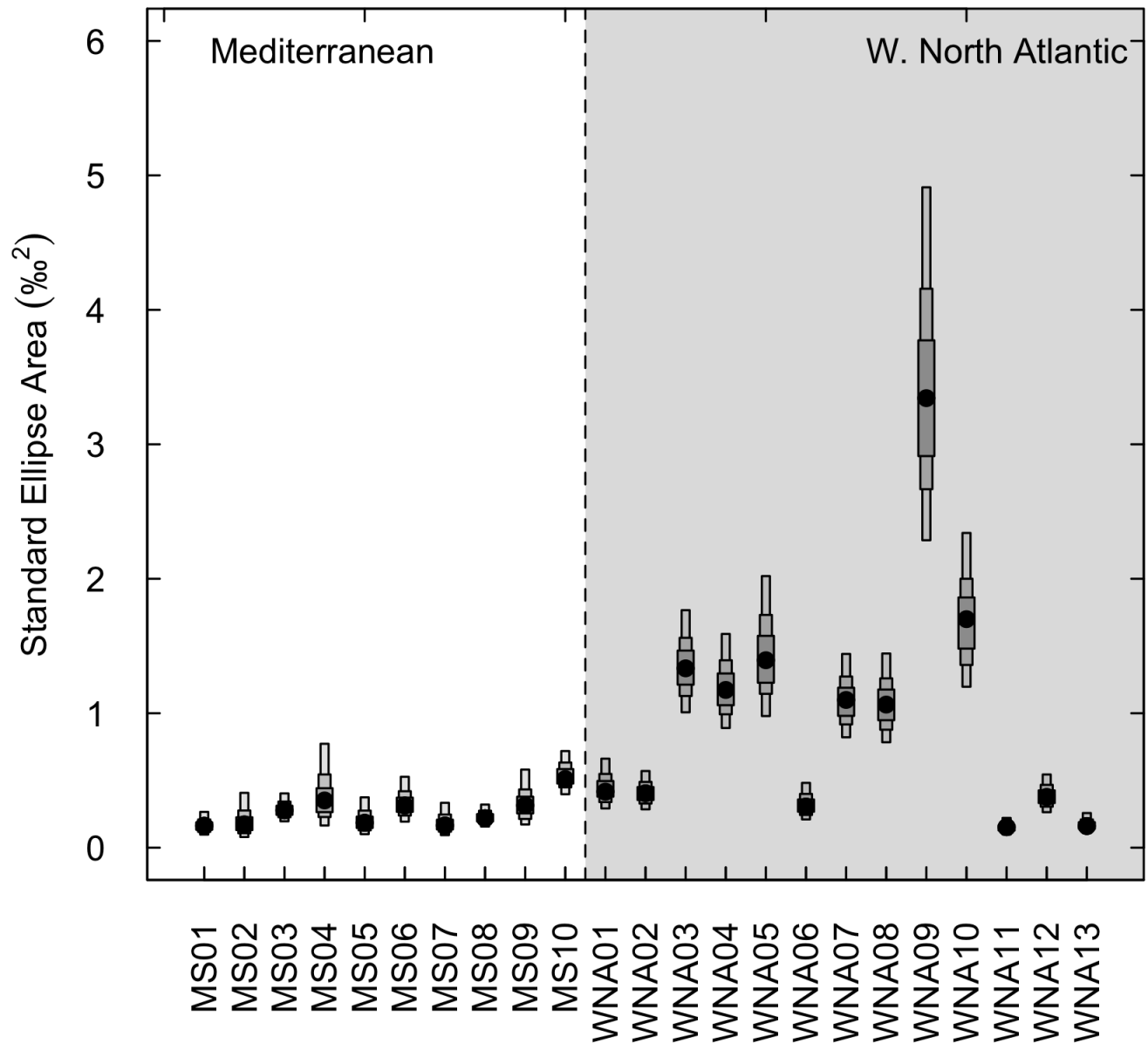
This study

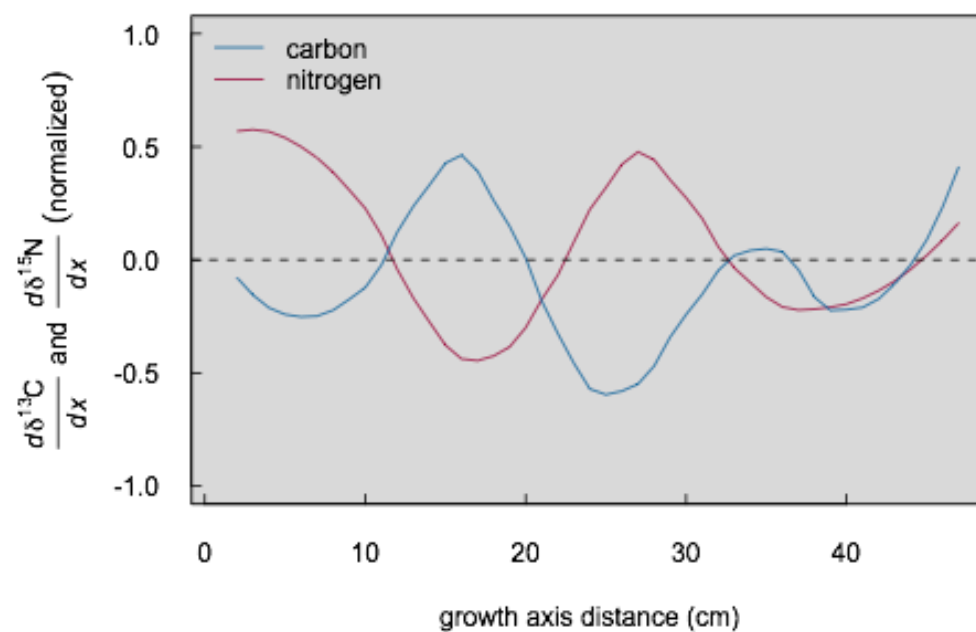
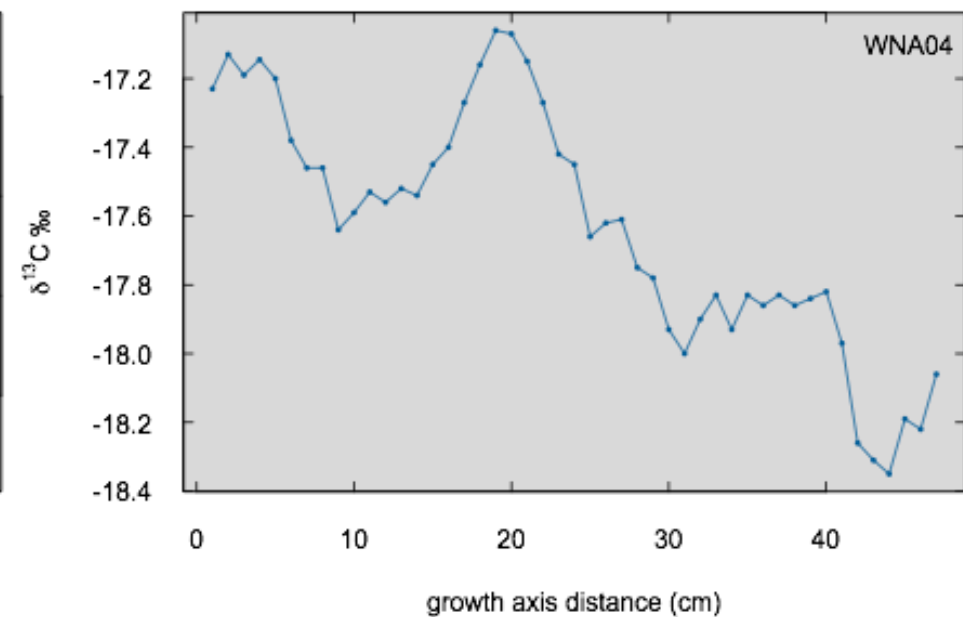
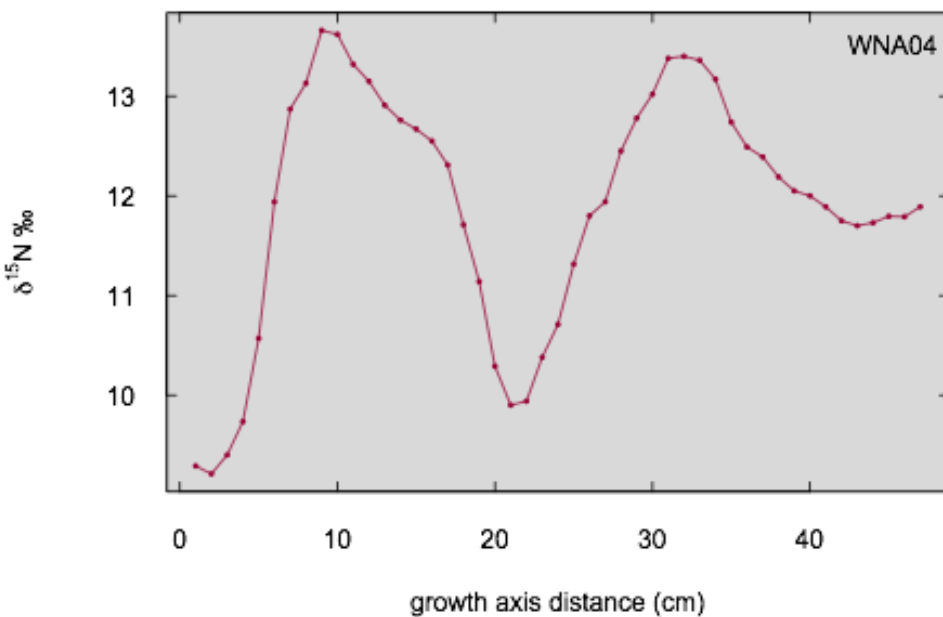




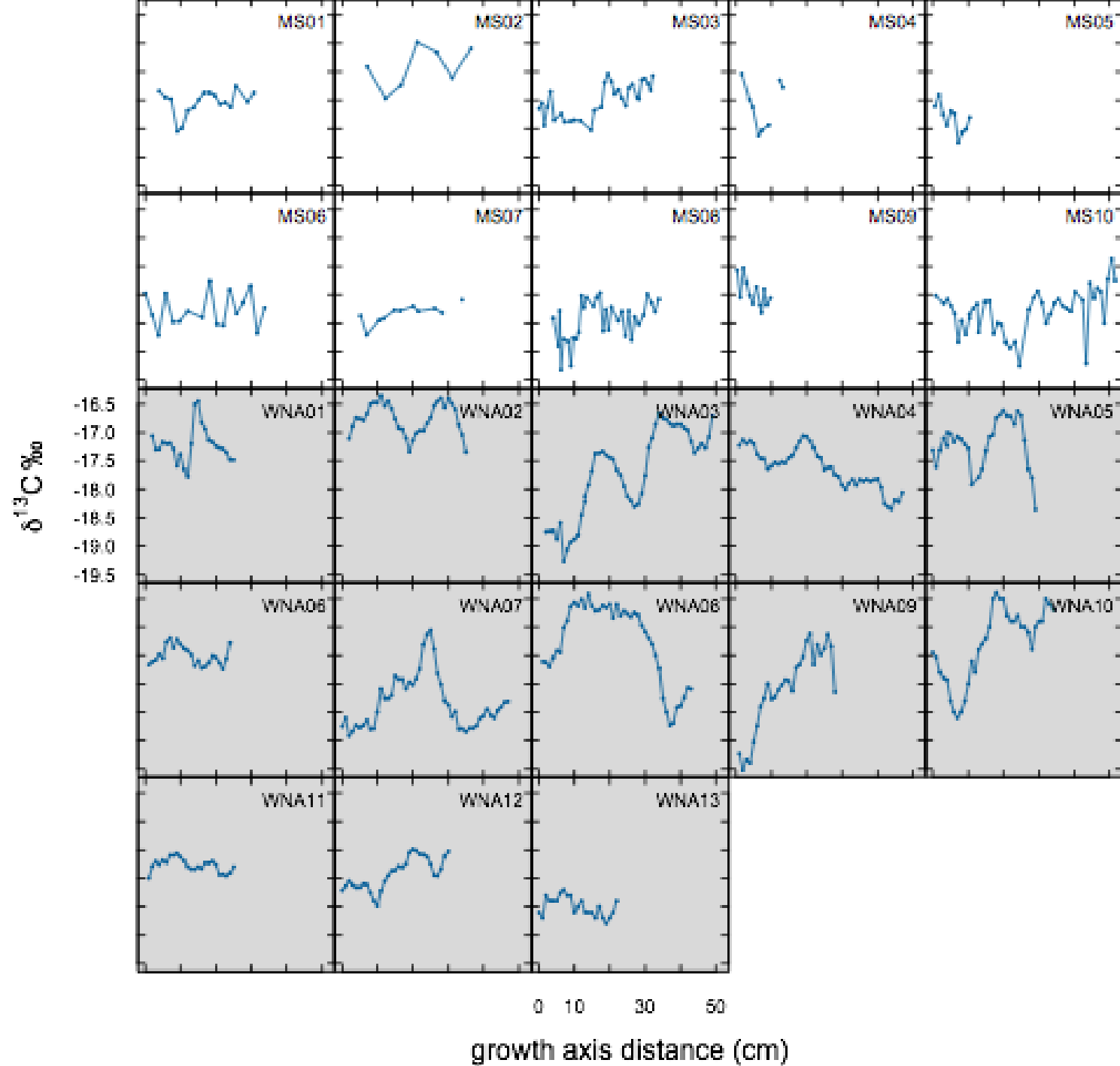


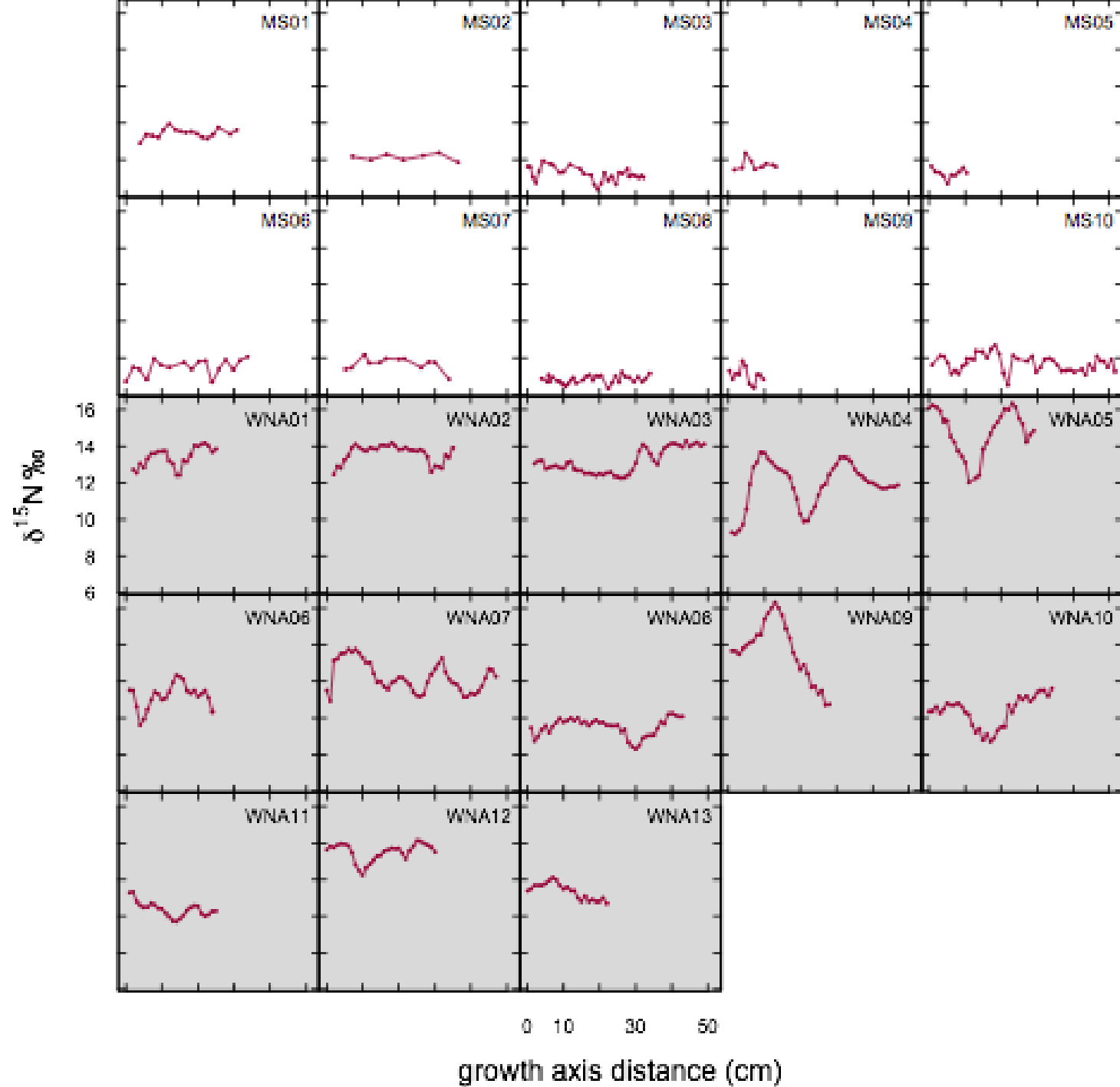




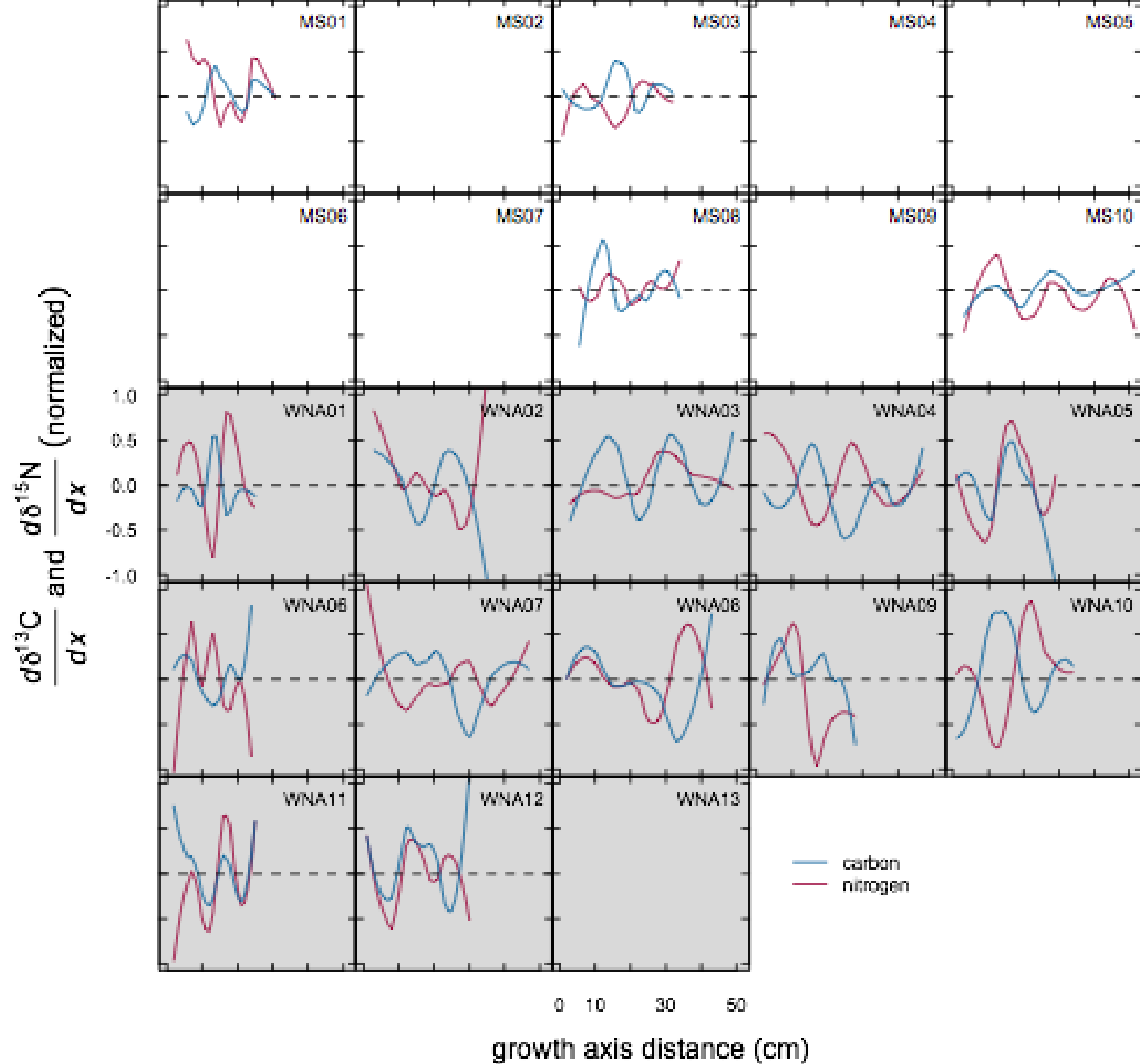


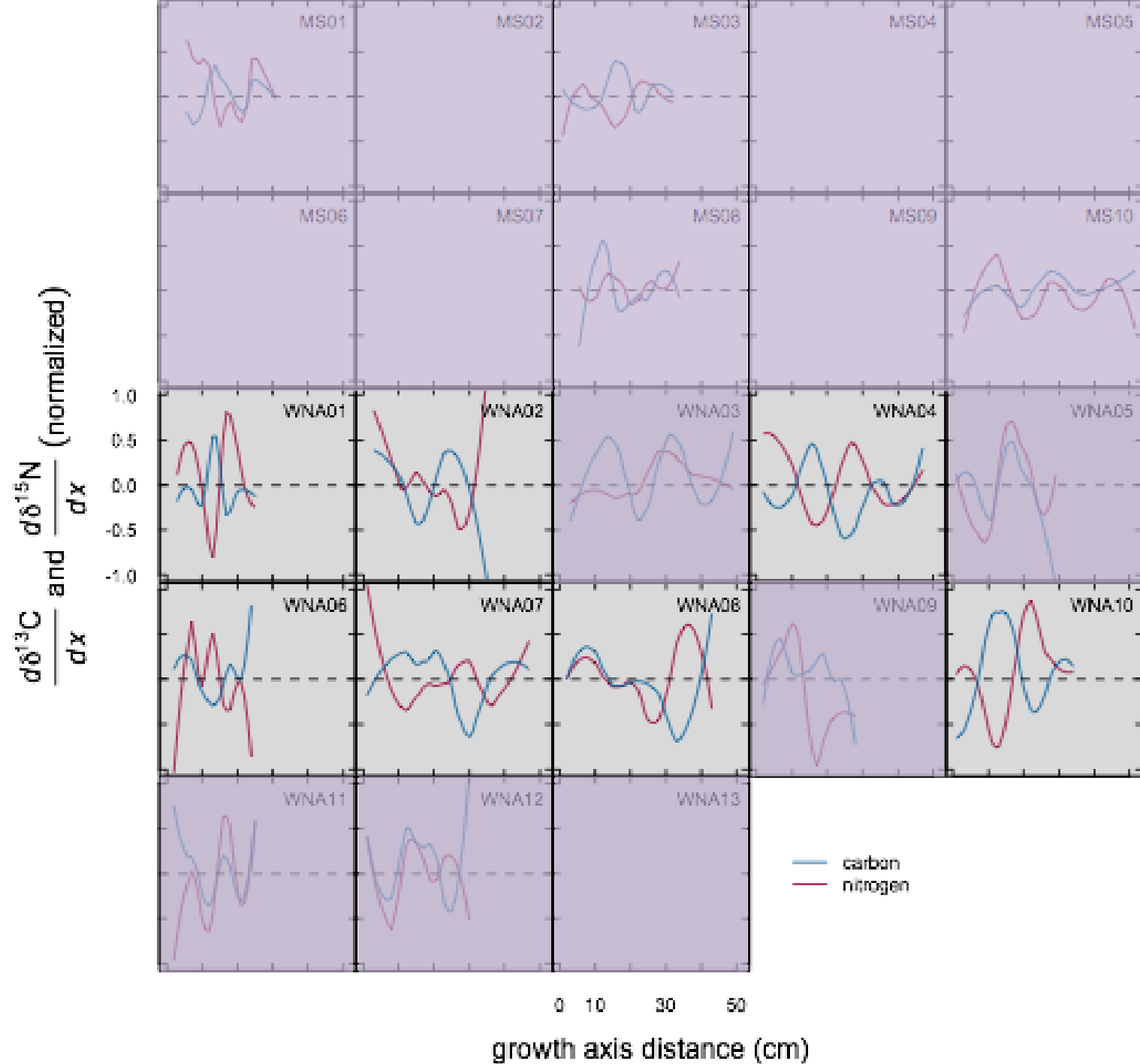






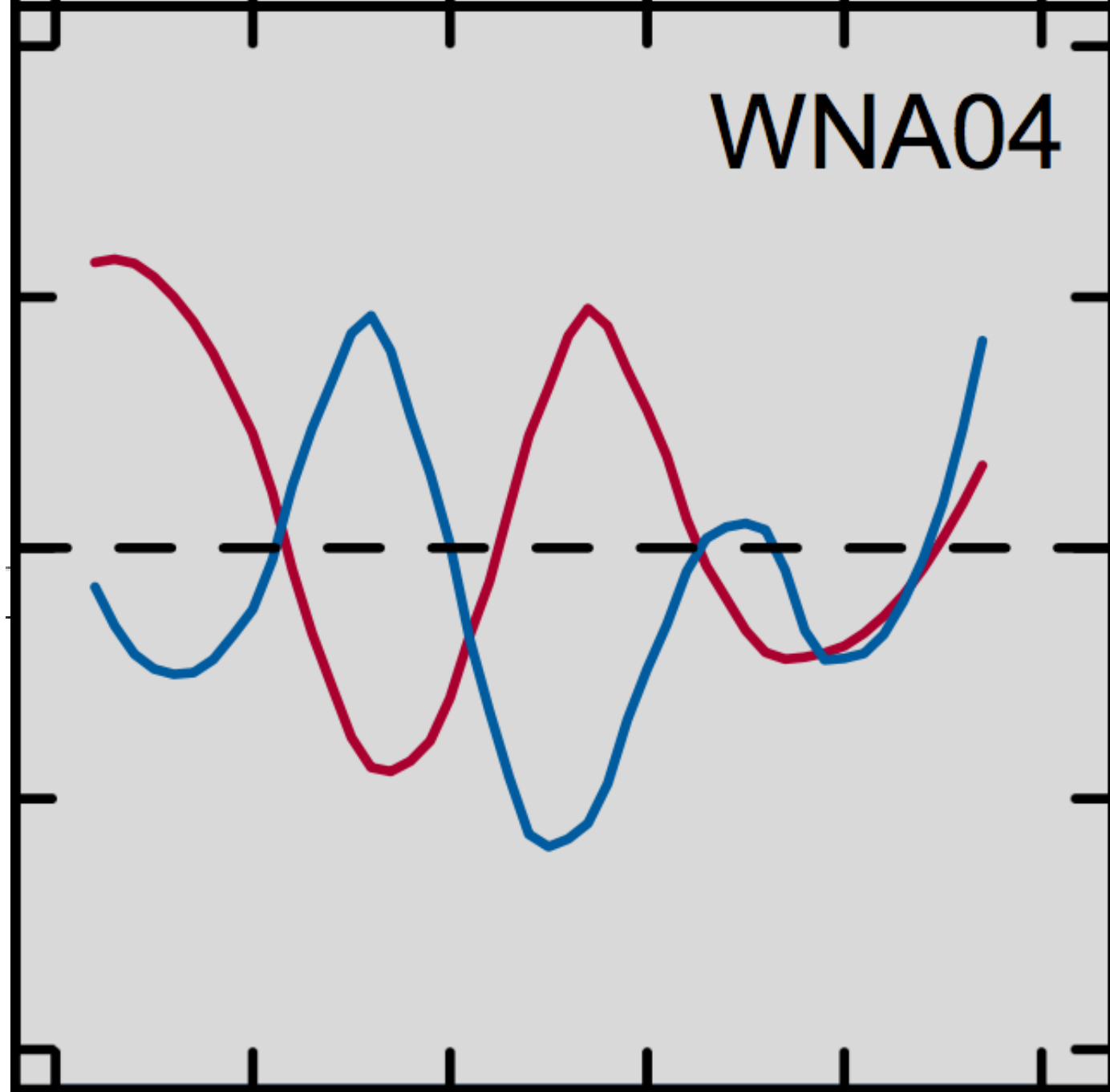






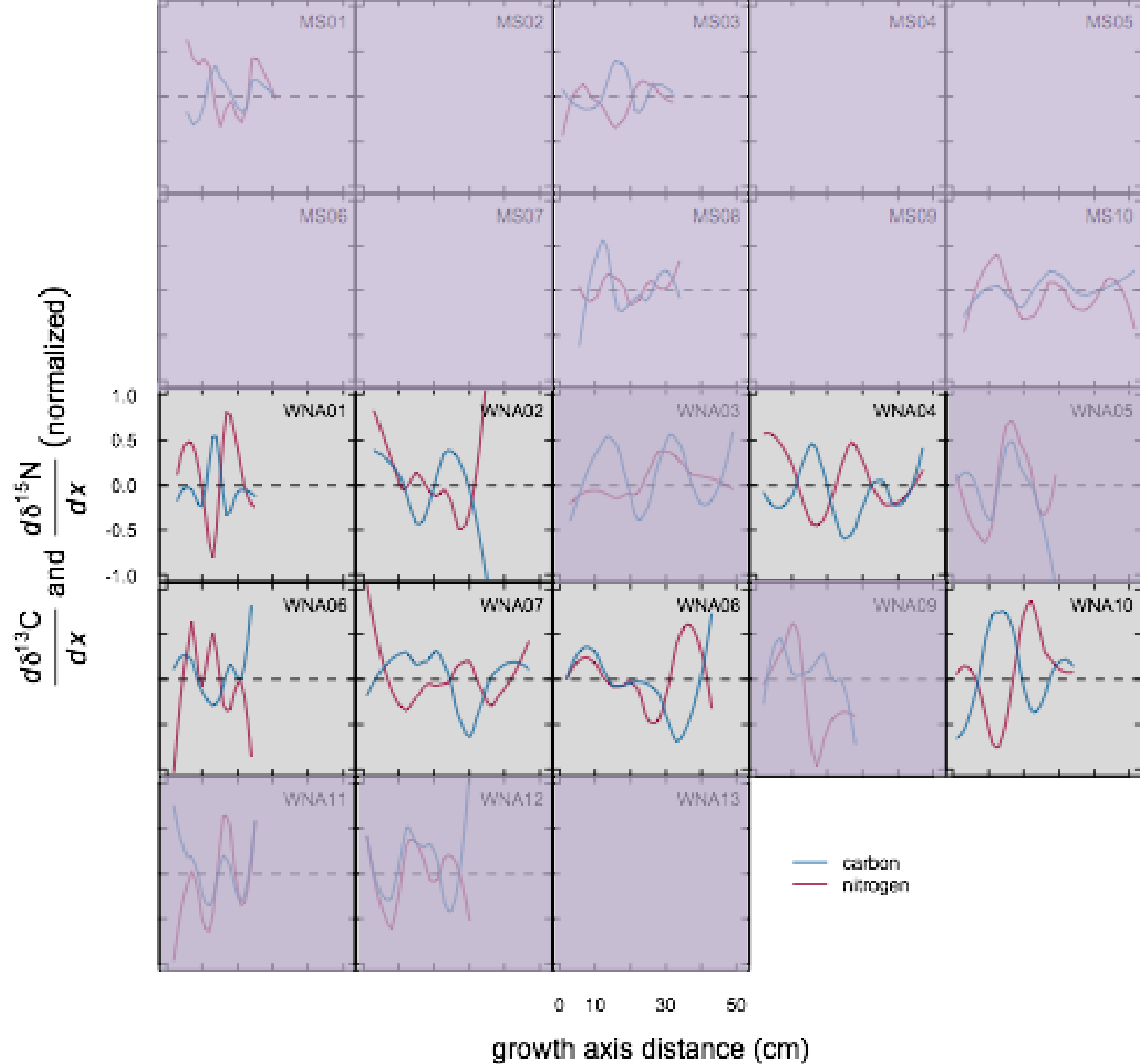
WNA04

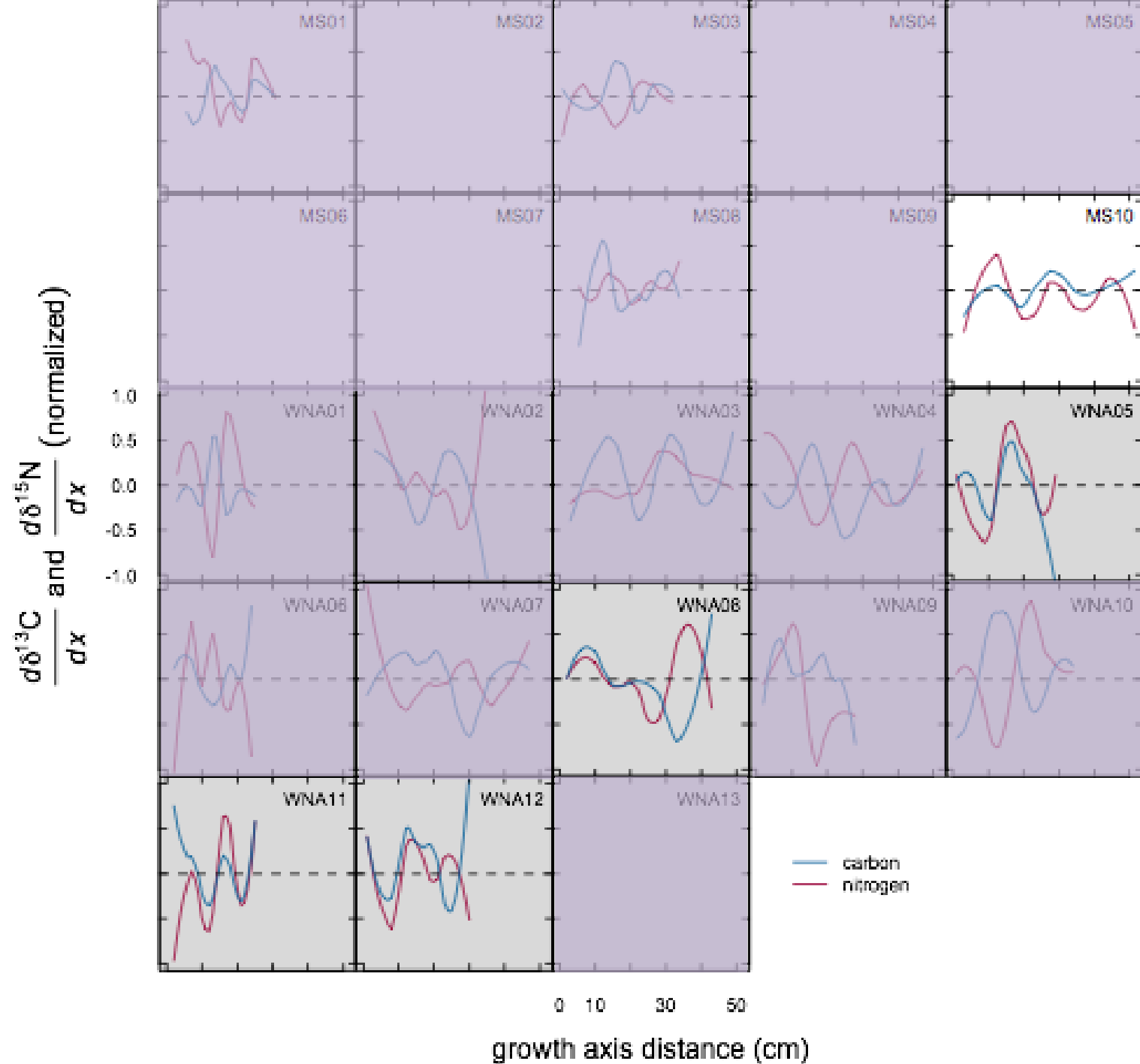
$\frac{d\delta^{13}\text{C}}{dx}$  and  $\frac{d\delta^{15}\text{N}}{dx}$  (normalized)



growth axis distance (cm)



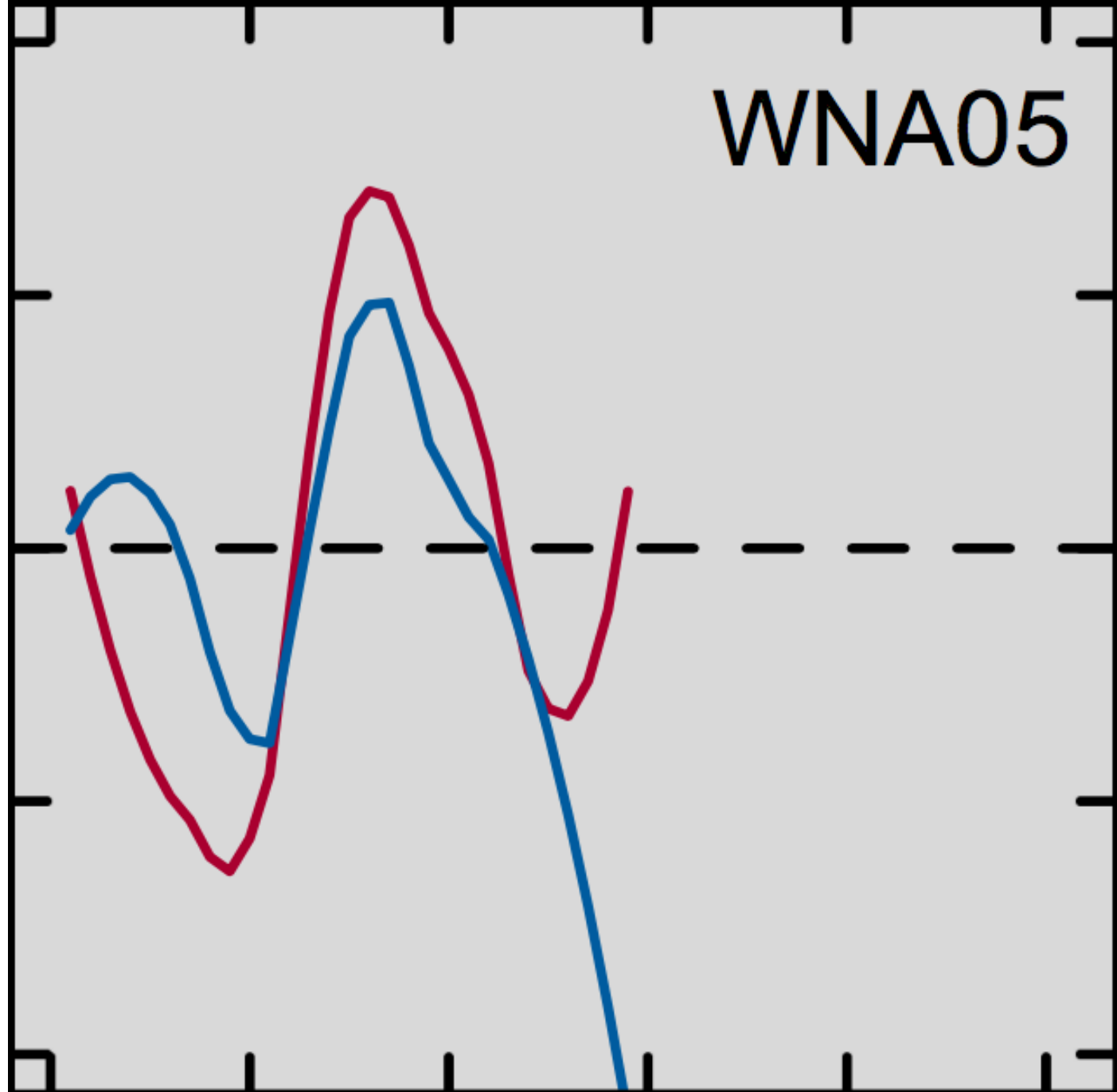




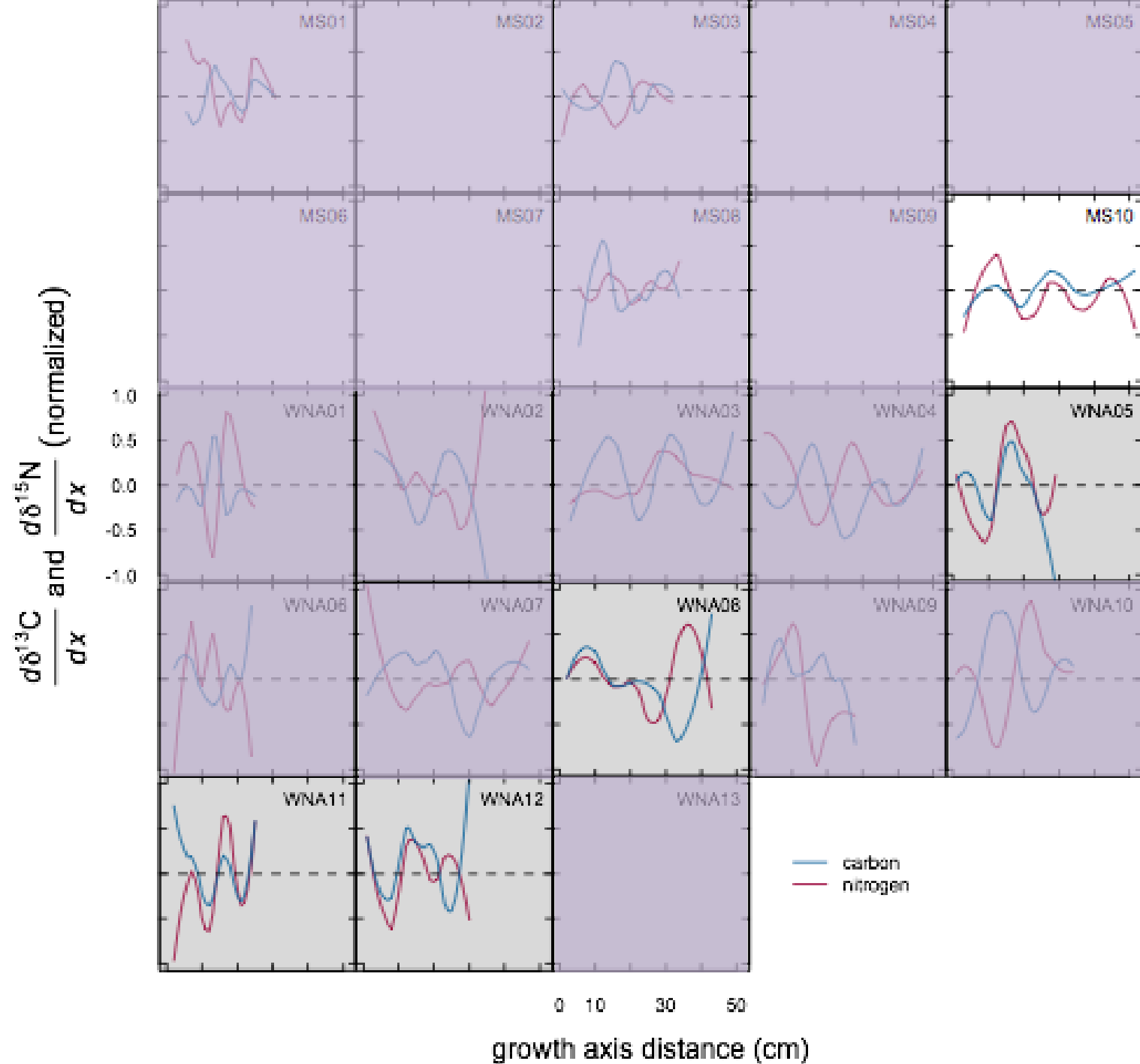
WNA05

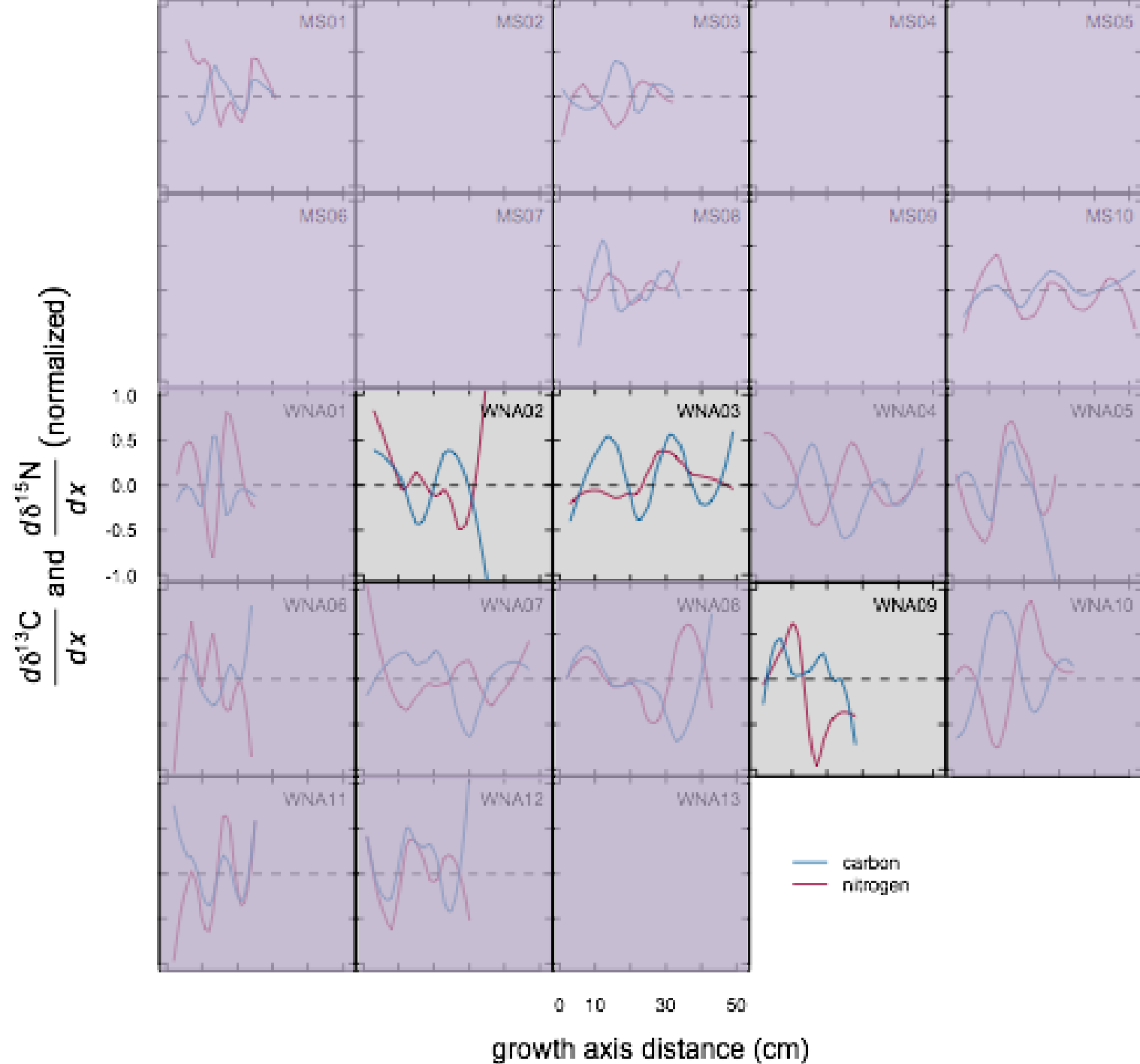
$\frac{d\delta^{13}\text{C}}{dx}$  and  $\frac{d\delta^{15}\text{N}}{dx}$  (normalized)

growth axis distance (cm)









WNA03

$\frac{d\delta^{13}\text{C}}{dx}$  and  $\frac{d\delta^{15}\text{N}}{dx}$  (normalized)

1.0  
0.5  
0.0  
-0.5  
-1.0

0 10 30 50

growth axis distance (cm)

