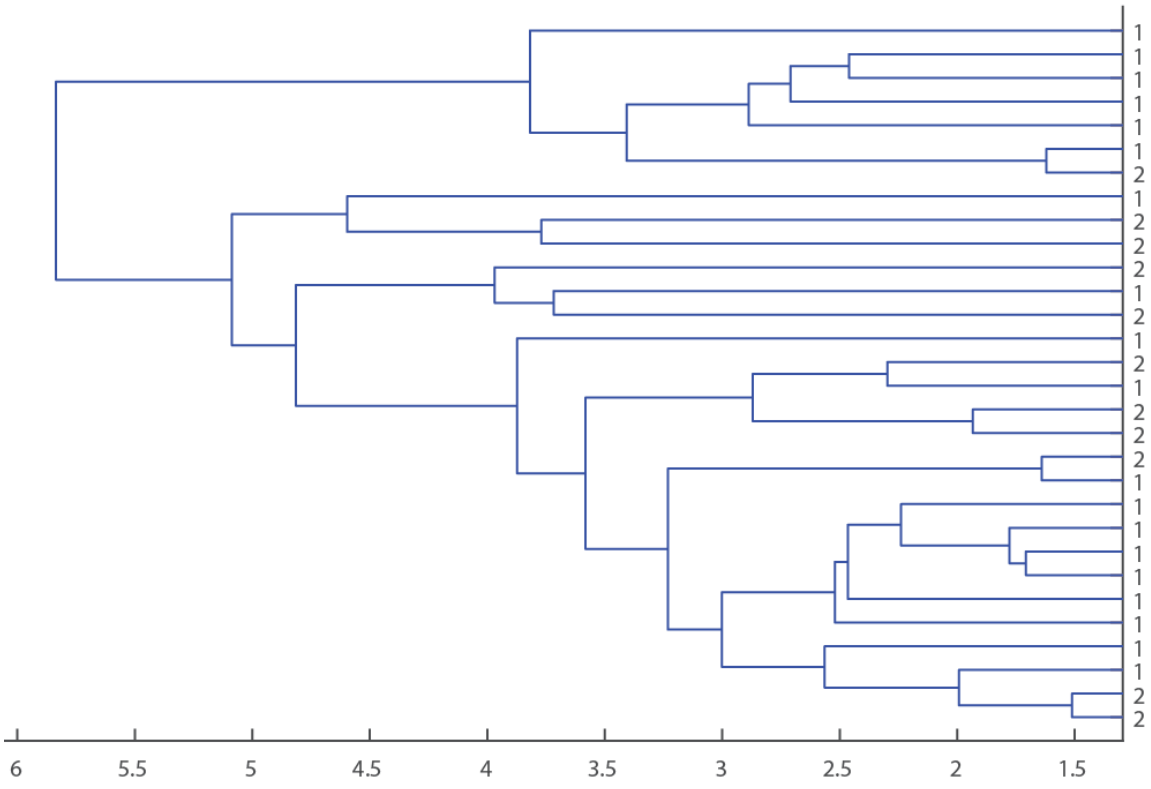
Appendix A – seasonal differences in REY incorporation in *Crassostrea gigas* and *Ostrea edulis* shells.

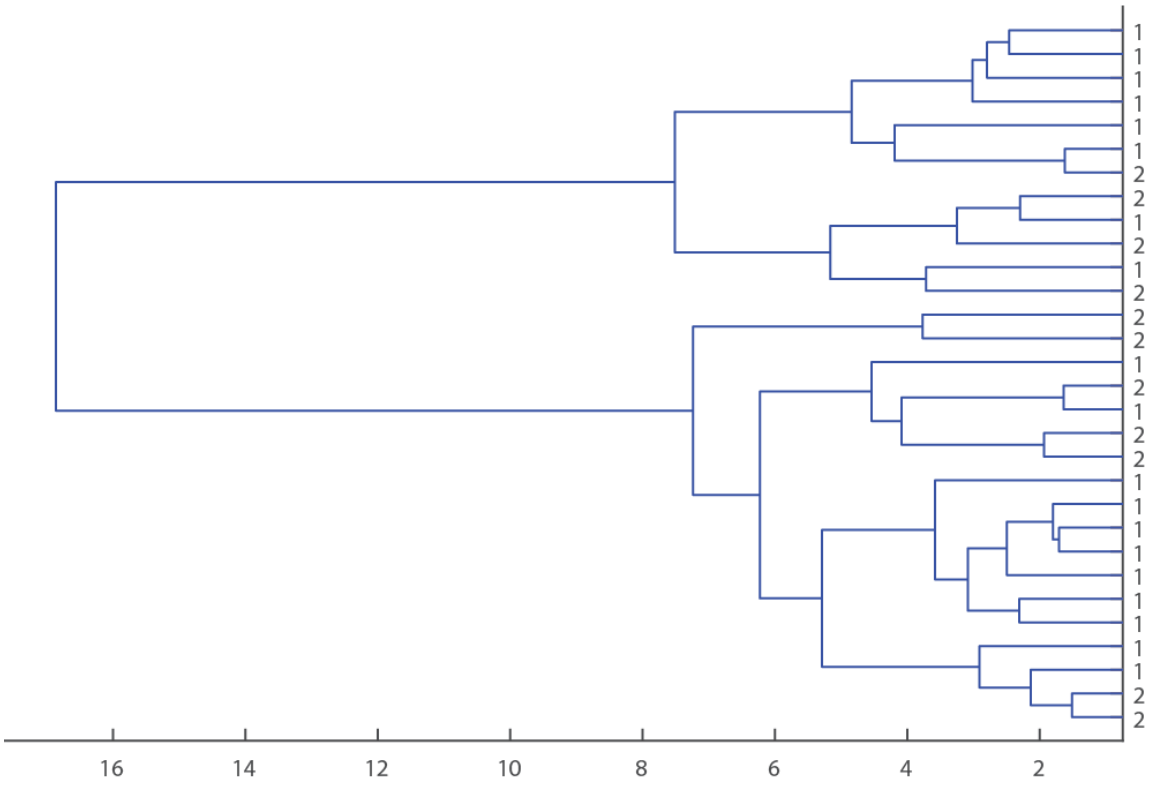
Mouchi et al., 'Rare Earth Elements in oyster shells: provenance discrimination and potential vital effects'

The dendrograms indicate for each species (*C. gigas* and *O. edulis*) that seasonal clusters don't exist in REY concentrations in the shell. Both methods for calculating the cophenetic distances (average and Ward) are unable to identify winter (1) and summer (2) periods.

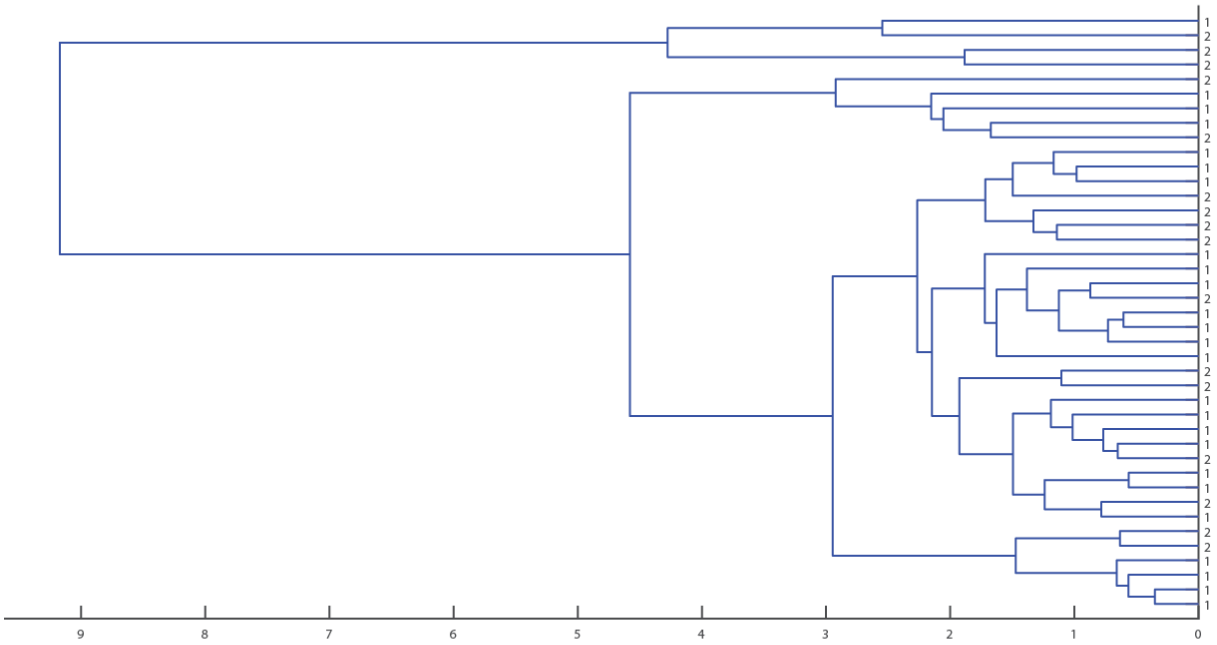
Crassostrea gigas - seasonal differences on REY incorporation
Average method



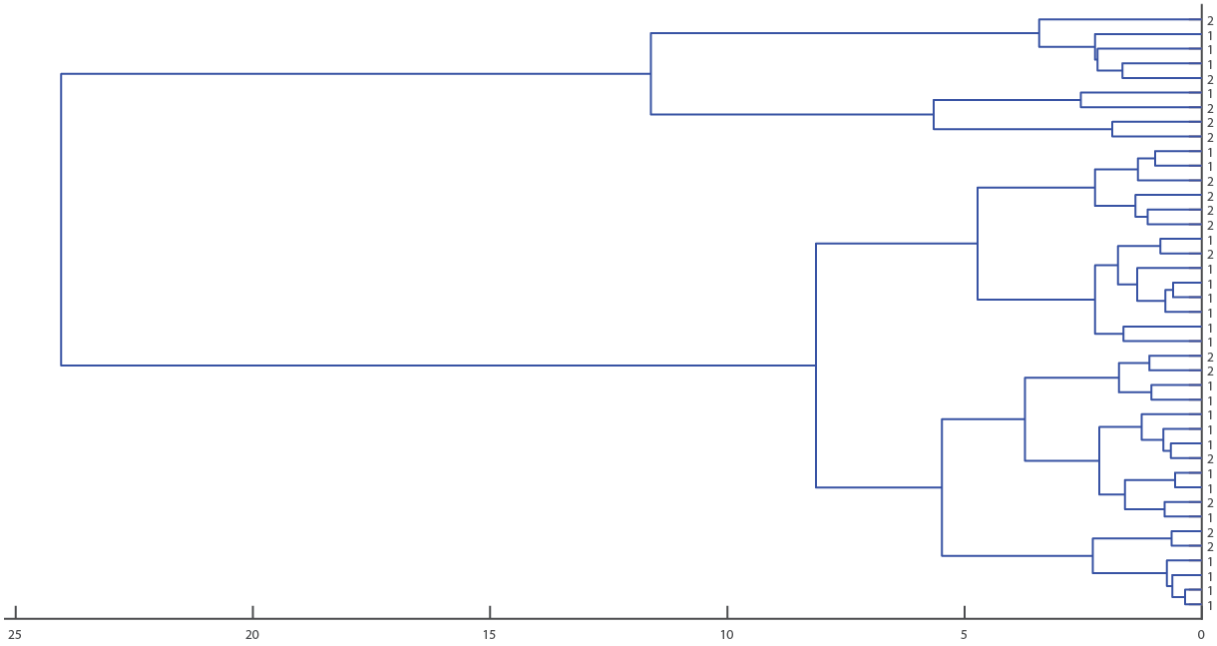
Crassostrea gigas - seasonal differences on REY incorporation
Ward method



Ostrea edulis - seasonal differences on REY incorporation
Average method



Ostrea edulis - seasonal differences on REY incorporation
Ward method



Appendix B – p-values from the Kruskal-Wallis tests on the Y/Ho ratios.

Mouchi et al., 'Rare Earth Elements in oyster shells: provenance discrimination and potential vital effects'

The p-values below 0.01 are highlighted.

	Cybèle-1	Cybèle-2	La Molène	Leucate	Baie des Veys *- C. gigas*	Baie des Veys *- O. edulis*
Tès	**3.80E-08**	0.93438844	**8.58E-07**	0.53240929	0.865682589	**1.08E-06**
Cybèle-1		**0.00013008**	0.9593278	**6.90E-08**	**3.74E-08**	0.967499097
Cybèle-2			**0.00562455**	0.1892663	0.389055685	**0.005769928**
La Molène				**1.96E-06**	**1.53E-07**	1
Leucate					0.985593341	**2.07E-06**
Baie des Veys *- C. gigas*						**1.75E-07**