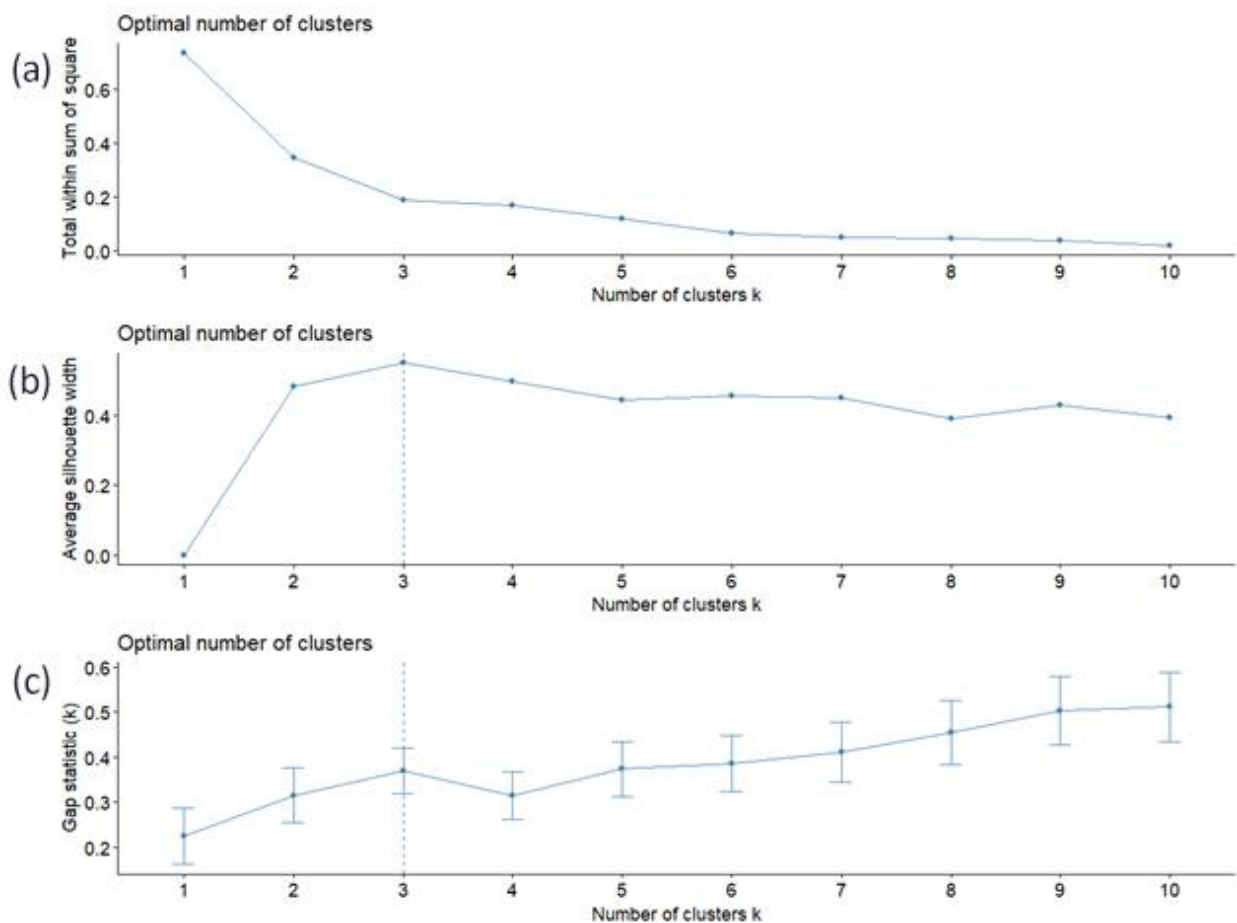


Supplementary material for: Gabsteiger M., Pyko I., Wisshak M. & Teichert S. 2025. Quantifying floridean starch storage patterns in Arctic rhodoliths: blue carbon implications. *Polar Research* 44. Correspondence: Sebastian Teichert, GeoZentrum Nordbayern, Friedrich-Alexander-Universität Erlangen-Nürnberg, Loewenichstraße 28, DE-91054 Erlangen, Germany. E-mail: sebastian.teichert@fau.de



Supplementary Fig. S1. Determination of optimal number of clusters. Results of the three chosen methods—(a) within-cluster sums of squares, (b) the average silhouette width and (c) gap statistic—indicate three clusters for the k-mean analysis.