



Fig. S1: Profiles of the Sr:Ca (black line) and Ba:Ca measurements (gray line) along the ablated transects showing one-time migration into the high salinity regime (A), multiple migrations into the high salinity regime (B) and residency within the low salinity habitat (C). The dashed horizontal line marks the Sr:Ca threshold between the low and high salinity regimes. Additional information on TL (cm), age (years), sex is given. All individuals were caught in freshwater except No. 8, which was caught in polyhaline water.