



Fig. S1. Standardized postnatal $\delta^{15}\text{N}_{\text{fitted}}$ ('loess' transformed) profiles for 31 individual narwhals harvested near Pond Inlet, Nunavut, Canada, in 1982 & 1983 and 2015 & 2017. Change-point analysis was used to detect a 1 ‰ change in mean $\delta^{15}\text{N}_{\text{fitted}}$. The horizontal red lines represent the mean $\delta^{15}\text{N}_{\text{fitted}}$ of the GLG samples and breaks in red lines indicate 1 ‰ change in mean values. The first break was interpreted as the completion of nursing. Note the axis ranges for individual whales may vary.