



Fig. S1: Age model of core SL99. Ages were derived from a graphic correlation of the  $\delta^{18}\text{O}$  record of SL99 (below) with the LR04 isotope stack (above; Lisiecki and Raymo 2005) and AMS  $^{14}\text{C}$  dates (asterisks). Grey shaded areas mark sapropels in SL99.