

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: AMS-radiocarbon dating results from Tayma sediment cores. Bold font: sample age included in Bayesian age model (Bacon with implemented outlier analysis); normal font: sample material is suitable (pollen concentration $\geq 50\%$), but age is rejected from the Bacon age model; italic font: sample material is not suitable (pollen concentration $< 50\%$, dated material is affected by hard-water effect, or amount of datable carbon is too low) and age is rejected from the Bacon age model; na – information not available; *modelled age of the S1-tephra as defined in the Dead Sea record [Neugebauer, I. et al. Implications of S1 tephra findings in Dead Sea and Tayma palaeolake sediments for marine reservoir age estimation and palaeoclimate synchronisation. Quat. Sci. Rev. 170, 269-275 (2017)].