



Supplementary Figure 1. a) Nitrate and chloride ion concentrations measured in the brine and porewater samples. Error bars show the standard deviation and the number of replicate measurements are given next to the data points. * In one out of three samples a clear nitrate peak was observed, but the area was outside of the calibration range. ** For one out of two samples, the chloride peak failed. **b) Inorganic carbon content of dried sediment samples with depth.** For each depth, two replicate measurements were performed. Error bars show the standard deviation.