

Supporting information

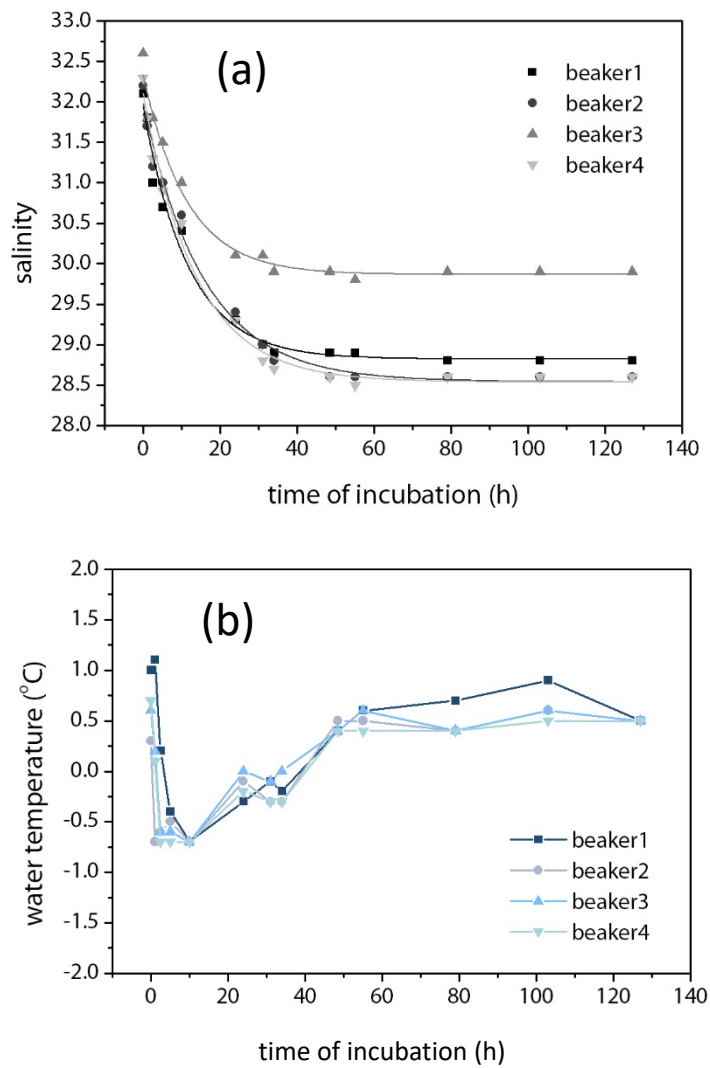


Fig. S1 Changes of salinity (a) and water temperature (b) in each beaker. Water temperature and salinity were measured and recorded before each sampling using a digital salinometer with a temperature sensor (TetraCon® 325, Wissenschaftlich-Technische Werkstätten GmbH, Germany).

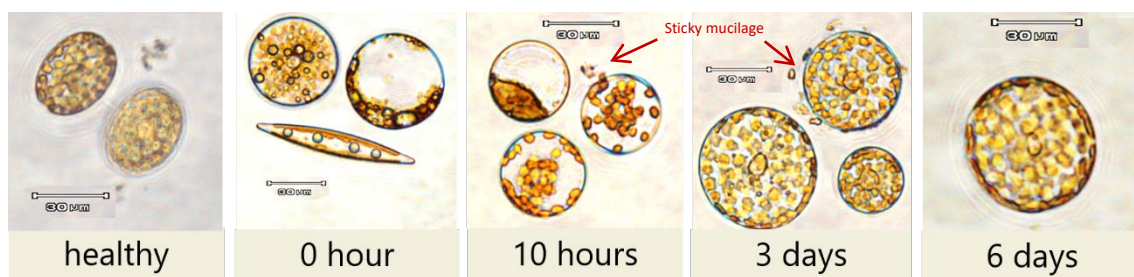


Fig. S2 Some typical-look cells under the light microscope during the incubation.

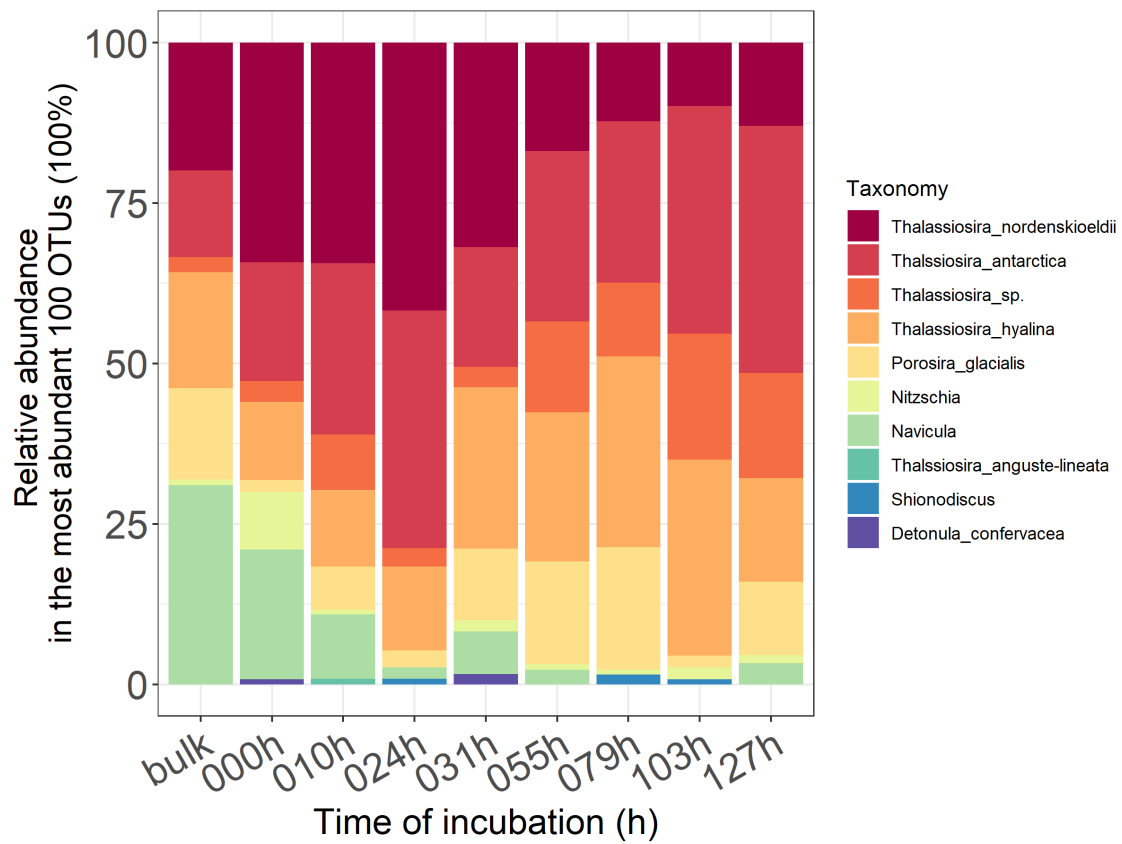


Fig. S3 The diatom composition in the top 100 most abundant OTUs after a local BLAST using the 18S rDNA library of the Okhotsk ice diatom isolates and the diatom sequences downloaded from the NCBI oligonucleotide database.