Report on Second Batch of Samples for 454 Analysis (July 14, 2008)

The samples originate from Sta. 18 (January-summer) and from Stas. 1, 4, 7 and 18 (April-autumn).

Sampling procedure and storage

Samples were obtained from the upper 5 cm of a sub-sampling corer to which PBS and glycerol 20% were added. After homogenization they were stored at -80°C until extraction.

DNA Extraction Procedure

Samples were transferred to Eppendorf vials to a final weight of 0.3 g of sediment. These samples were then washed twice with PBS (pH 7.4) to eliminate glycerol residues from the samples. Subsequently the procedure followed the commercial MOBIO kit protocol.

The DNA genomic extract thus obtained was quantified with a spectrophotometer (ND1000 Nanodrop Techonologies). Samples were afterwards lyophilized during 12 hr (CHRIST ALPHA 1-2). The results from DNA absorbance and concentration are shown in Table I. The total ngs shown in the last column are those obtained after liofilization.

Table I. Summary data corresponding to the extracted DNA from the second sample batch for 454 analyses.

Sample	g/sediment	ng/µL	260/280	260/230	Total ng
Sta. 1 (autumn)	0.14	11.07	1.79	0.17	1107
Sta. 4 (autumn)	0.23	8.57	1.71	0.20	857
Sta. 7 (autumn)	0.34	12.90	1.62	0.19	1290
Sta. 18 (autumn)	0.51	7.30	1.49	0.12	730
Sta. 18 (summer)	0.58	10.56	1.82	0.37	1056

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