Table S3: Transcript (cDNA; mRNA copy) abundance detected in sediments of all stations in March and August.

Station	Sediment depth [cm]	nirS gene denitrifying bacteria cDNA [copy g-1]		16S rRNA gene anammox bacteria cDNA [copy g ⁻¹]		$aprA$ gene SOB and SRB cDNA [copy g $^{-1}$]									
								March	August	March	August	March	August		
								1	0–1	1.8×10^{2}	n.d.	1.9×10^{5}	8.1×10^{5}	n.d.	3.8×10^{3}
									1–2	1.1×10^{4}	n.d.	1.8×10^{5}	1.3×10^{3}	n.d.	n.d.
		2–3	n.d.	1.0×10^{2}	1.0×10^{5}	2.8×10^{5}	5.4×10^{2}		2.5×10^{4}						
3–4	n.d.	n.d.	6.5×10^{4}	6.9×10^{5}	n.d.	1.1×10^{4}									
4–5	n.d.	n.d.	2.5×10^{4}	2.3×10^{5}	n.d.	n.d.									
2	0–1	1.9×10^{2}	n.d.	8.5×10^{4}	3.0×10^{5}	n.d.	n.d.								
	1–2	1.5×10^{3}	n.d.	6.0×10^{5}	1.1×10^{6}	7.0×10^{3}	7.4×10^{2}								
	2–3	6.7×10^{2}	n.d.	9.6×10^{5}	1.7×10^{6}	1.4×10^{4}	3.4×10^{3}								
	3–4	n.d.	n.d.	1.9×10^{5}	1.3×10^{5}	1.6×10^{3}	5.9×10^{2}								
	4–5	n.d.	n.d.	4.8×10^{4}	5.5×10^{4}	n.d.	n.d.								
3	0–1	1.5×10^{2}	n.d.	4.9×10^{6}	2.9×10^{5}	n.d.	n.d.								
	1–2	n.d.	1.1×10^{2}	3.1×10^{6}	5.1×10^{6}	3.5×10^{3}	1.8×10^{4}								
	2–3	n.d.	n.d.	4.1×10^{5}	3.1×10^{6}	5.0×10^{2}	4.3×10^{2}								
	3–4	n.d.	1.8×10^{3}	2.2×10^{5}	1.3×10^{5}	1.4×10^{3}	3.7×10^{3}								
	4–5	n.d.	n.d.	8.5×10^{4}	3.7×10^{4}	n.d.	n.d.								

qPCR conditions: 95°C 4 min; 40 × [95°C 30 s, Tm 40 s, 72°C 30 s]; 80°C 25 s. nd: non detectable, i.e. values were under the detection limit of the qPCR approach.