Limited Physical Protection Leads To High Organic Carbon Reactivity in Anoxic Baltic Sea Sediments

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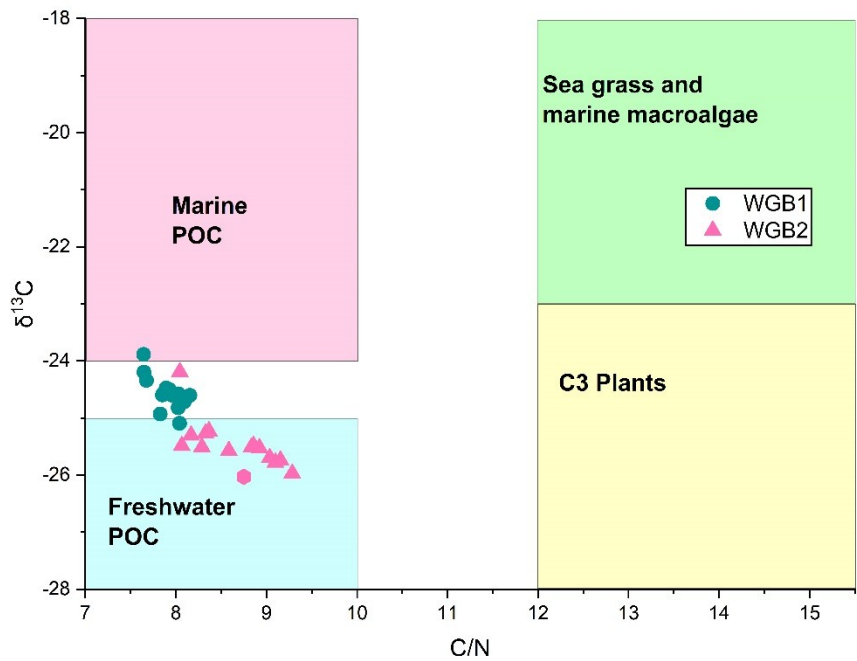
Figure S1: δ¹³C and C/N ranges for organic inputs to coastal environment (data compiled from Lamb et al., 2006 and Khan et al., 2015), and WGB1 and WGB2 organic matter signature.

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Table S1: Steps for OC-Fe extractions. On the left the citrate bicarbonate dithionite extraction (CBD) and on the right the control extraction

	Citrate bicarbonate dithionite extraction	Control extraction
Step 1	250 mg of sample + 15 mL of 0.27 M $Na_3C_6H_5O_7 \cdot H_2O$ and 0.11 M $NaHCO_3$ (water bath at 80°C)	250 mg of sample + 15 mL of 1.6 M NaCl and 0.11 M $NaHCO_3$ (water bath at 80°C)
Step 2	+ 250 mg $Na_2S_2O_4$, 15 minutes at 80°C	+ 220 mg NaCl, 15 minutes at 80°C
	Centrifuge and collect supernatant	Centrifuge and collect supernatant
Step 3	+10 mL ASW x3	+10 mL ASW x3
	Centrifuge and collect supernatant	Centrifuge and collect supernatant
	The solutions were mixed all together (45 ml total) and acidified with 100 µL HCl 32%	The solutions were mixed all together (45 ml total) and acidified with 100 µL HCl 32%