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Supplement of

Reconstruction of warm-season temperatures in central Europe during the past 60 000 years from lacustrine branched glycerol dialkyl glycerol tetraethers (brGDGTs)

Paul D. Zander et al.

Correspondence to: Paul D. Zander (paul.zander@mpic.de)

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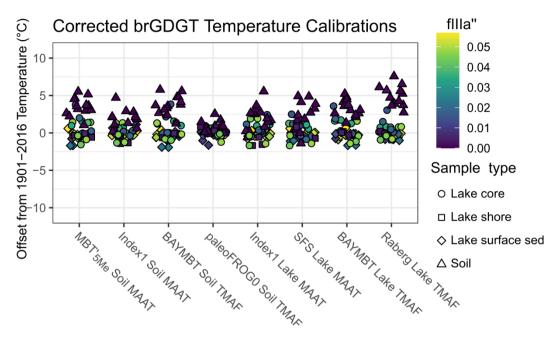


Figure S1: Offsets between brGDGT-inferred temperatures and 1901-2016 temperature data after applying corrections based on fIHa". Symbol shape corresponds to sample type, symbol fill corresponds to the fractional abundance of the IHa" isomer.

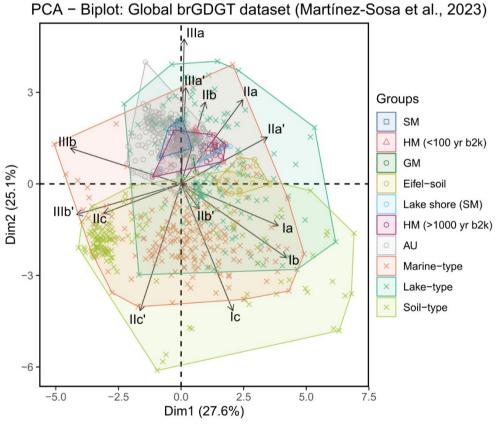


Figure S2: PCA of brGDGT data from Eifel samples and a global compilation (Martínez-Sosa et al., 2023).

Table S1: Summary of key indices and temperature estimates obtained from 17 separate extractions and measurements of a single sample to test reproducibility of the laboratory and analytical method.

	MBT' _{5Me}	BIT	fIIIa'' ¹	ΣΙΙΙα/ΣΙΙα	brGDGTs (ng/g)	isoGDGTs (ng/g) ²	Cren (ng/g) ²	BayMBT (° C)	BayMBT_adj (° C)	Raberg21 (° C)	Raberg21_adj (° C)
Mean (n=17)	0.193	0.591	0.018	2.225	1815.2	2749.1	1248.0	4.37	5.20	6.28	6.53
Standard Deviation (n=17)	0.006	0.018	0.002	0.193	298.7	585.4	256.0	0.18	0.24	0.10	0.14

¹ fIIIa" calculated as a fraction of all measured brGDGTs

² Includes crenarchaeol and crenarchaeol isomer