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*Supplement of*

## **Ice formation on lake surfaces in winter causes warm-season bias of lacustrine brGDGT temperature estimates**

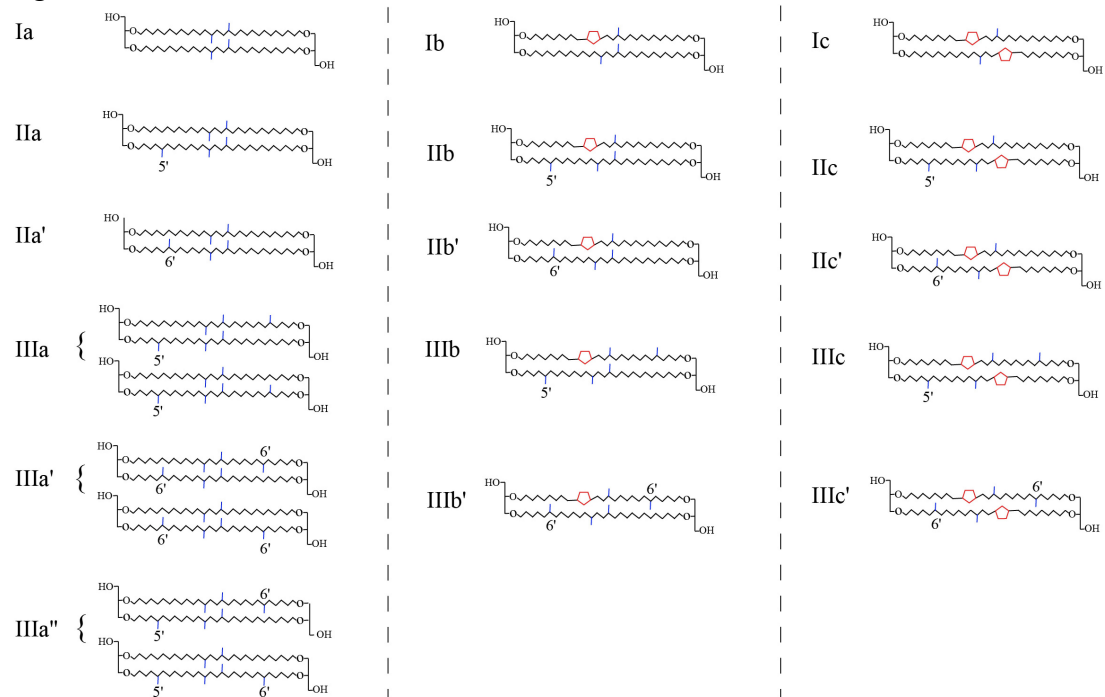
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## Supplementary

Fig. S1



**Fig. S1** Molecular structures of brGDGTs