



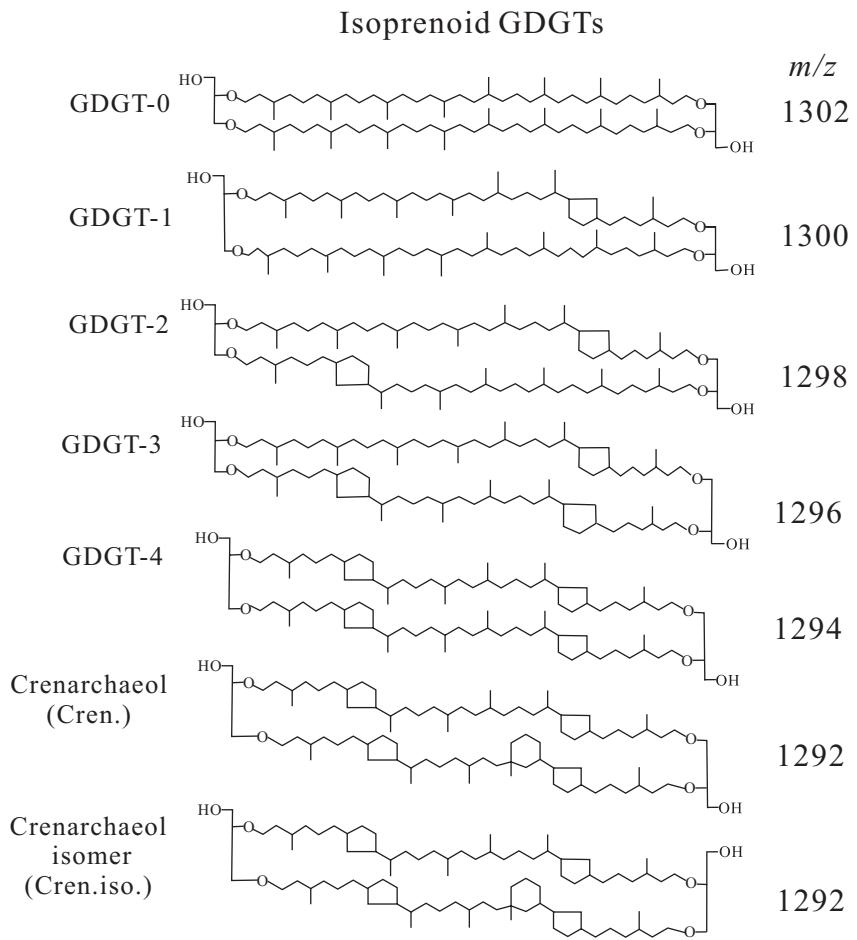
Supplement of

Contribution of Marine Group II *Euryarchaeota* to cyclopentyl tetraethers in the Pearl River estuary and coastal South China Sea: impact on the TEX₈₆ paleothermometer

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3 Fig. S1. Structures of archaeal core GDGTs described in the text.

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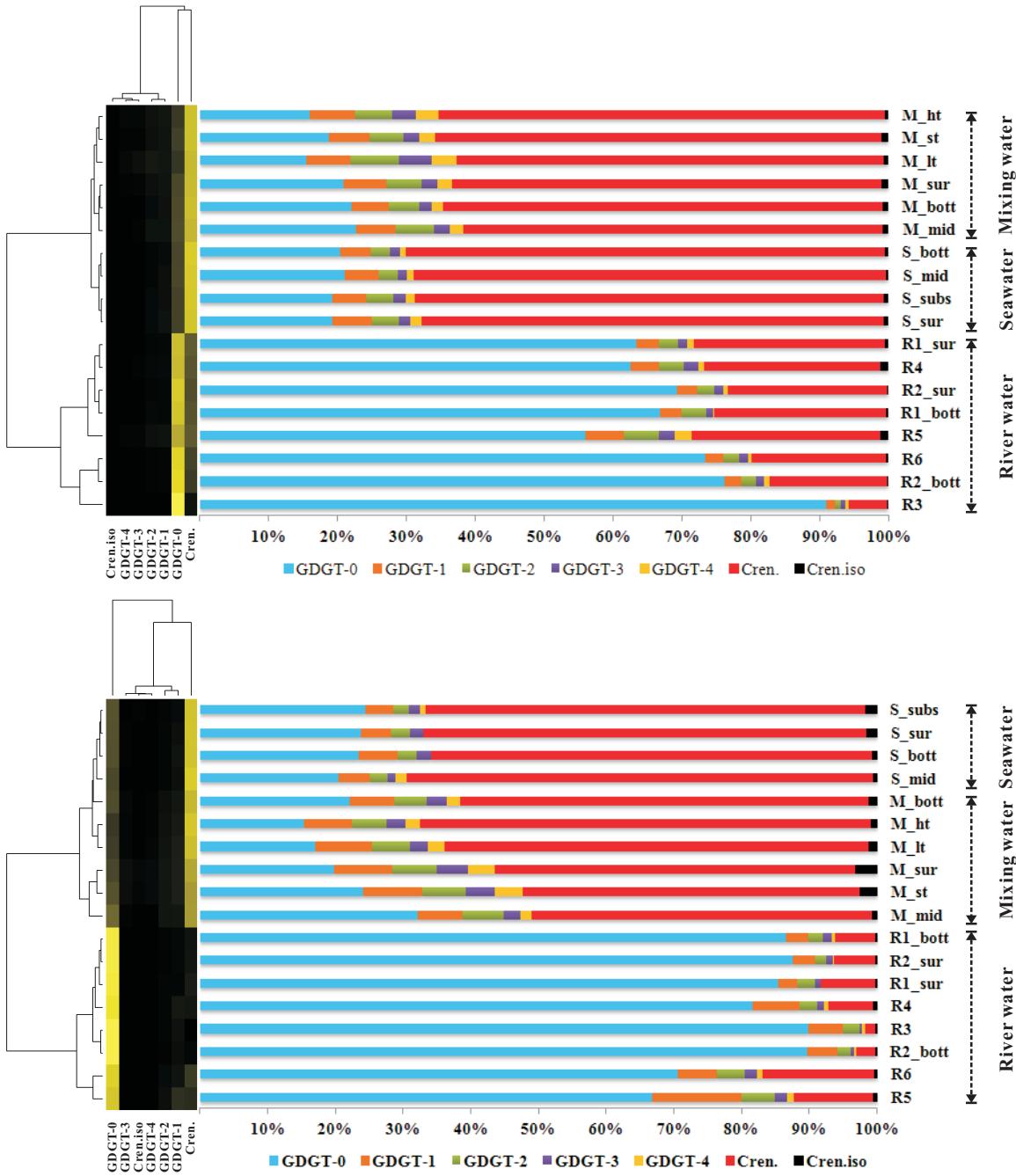
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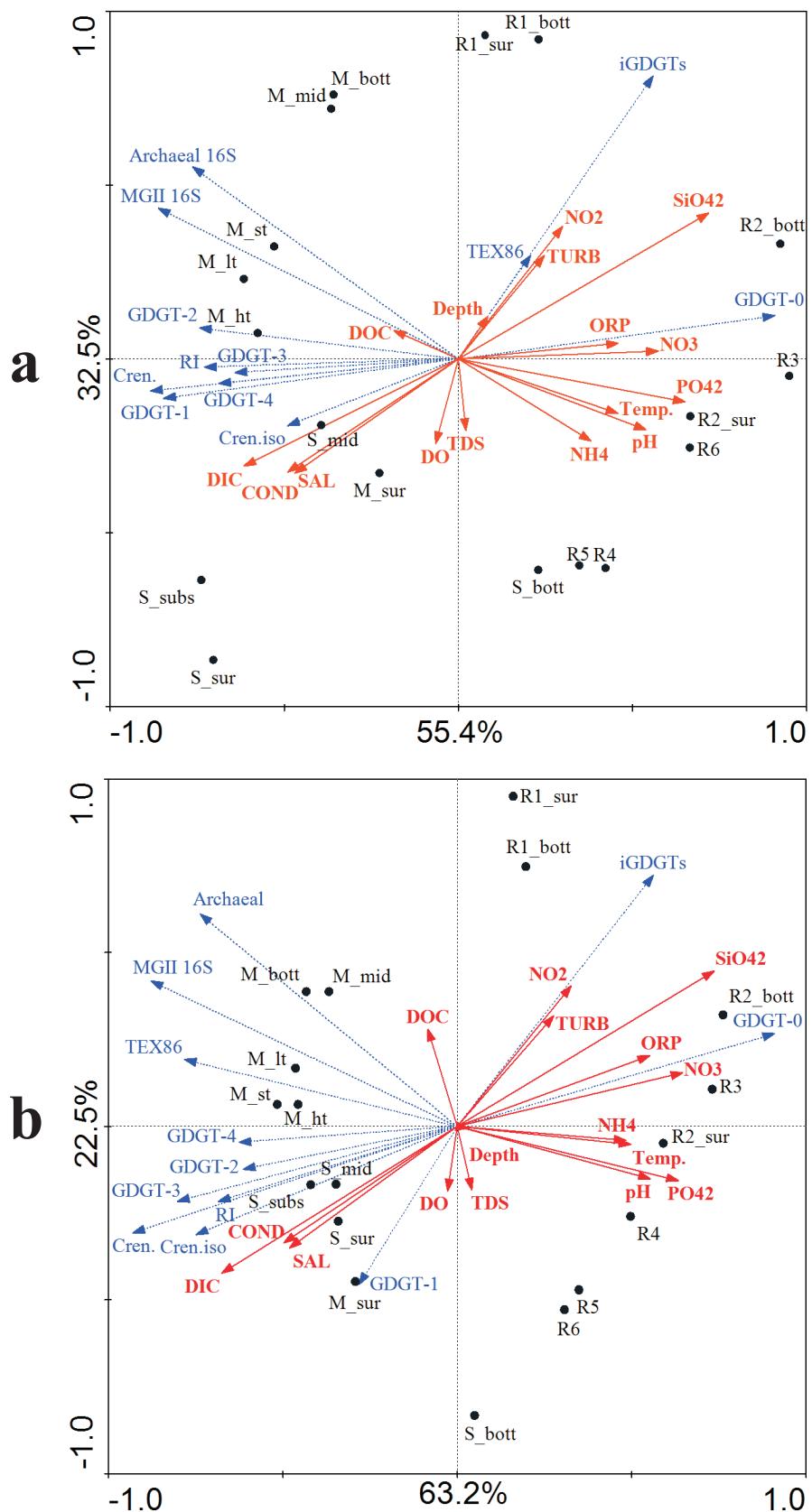
3 Fig. S2. Cluster analysis of the fractional abundance of iGDGTs in SPM samples

4 collected from the lower Pearl River, the PR estuary, and coastal South China Sea. A,

5 CL-GDGT-based cluster; B, IPL-OH GDGT-based cluster.

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2 Fig. S3. RDA ordination plots for the first two principal dimensions of the relationship
3 between archaeal membrane lipids (blue line) and the environmental parameters (red line)
4 in the Pearl River, the Pearl River estuary, and coastal South China Sea. Solid dots
5 represents the sample points with the same label as shown in Fig. 1.