



Figure S1: Chromatograms showing distribution of (a) $C_{37:2}$ and $C_{37:3}$ alkenones by GC, (b) C_{28} and C_{30} 1,13 diols, C_{28} , C_{30} and $C_{30:1}$ 1,14 diols, and C_{30} and C_{32} 1,15 diols by GC-MS, and (c) iGDGTs 0 to 4, crenarchaeol (Cren), the crenarchaeol isomer (Cren'), brGDGTs Ia to Ic, and OH-GDGTs 0 to 2 by HPLC-MS.