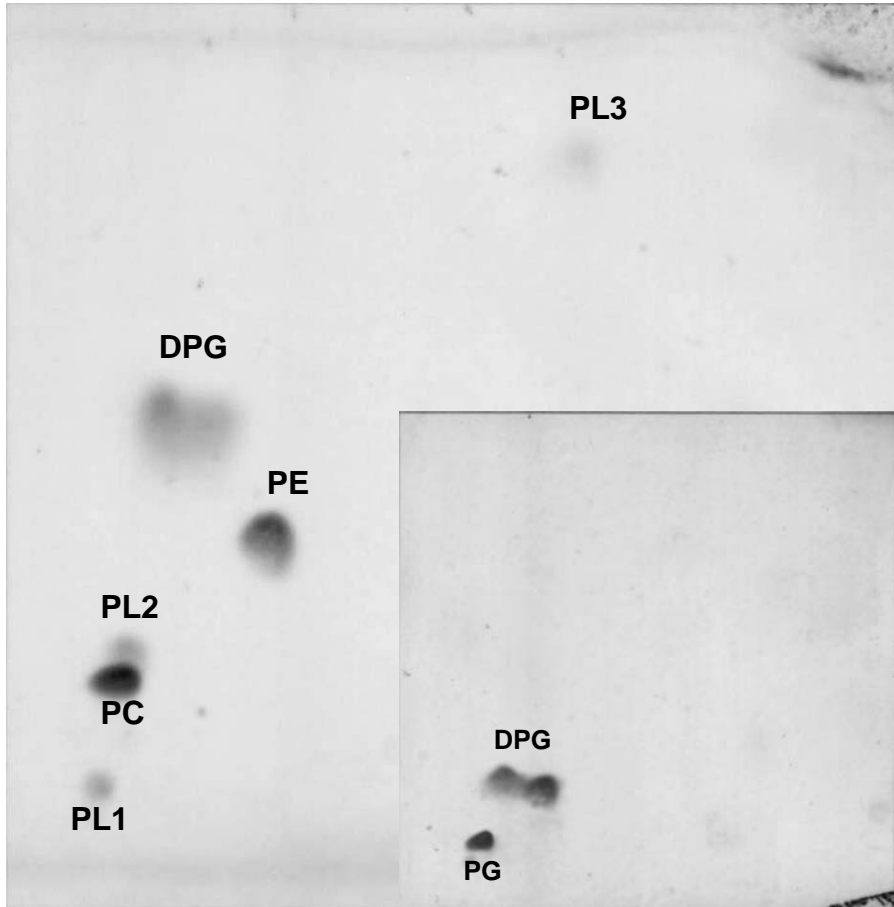


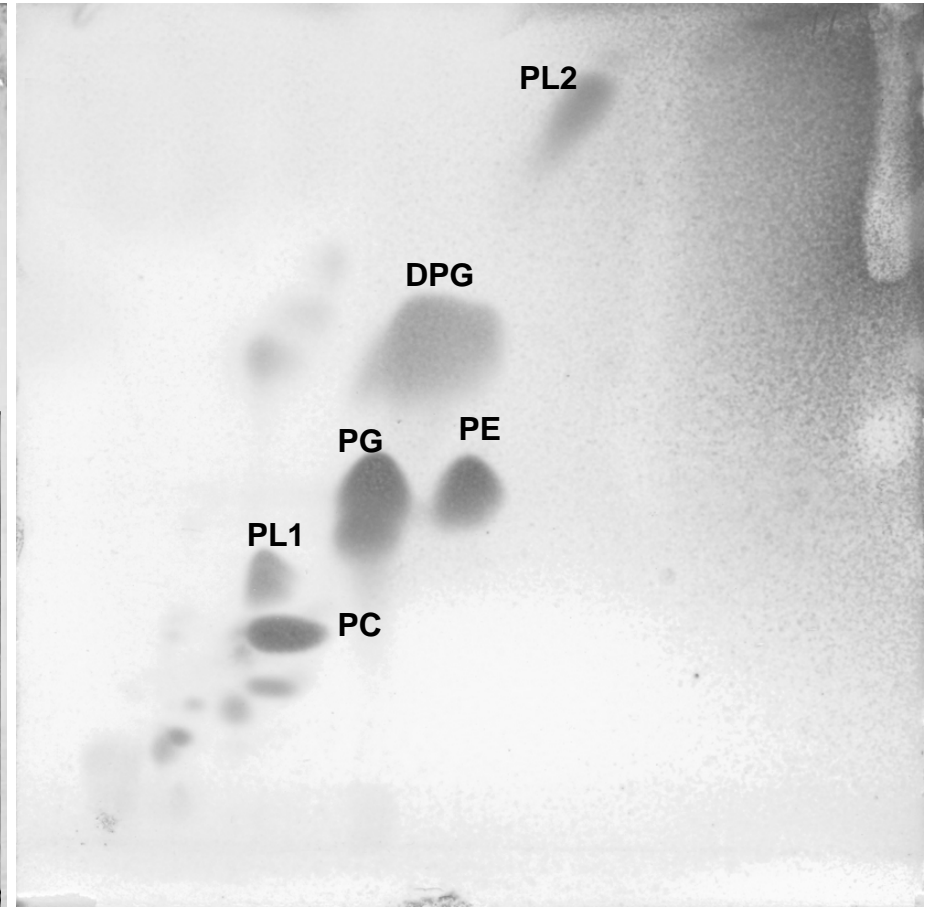
Supplementary Table S1. Composition of PLFA in haloalkaliphilic heterotrophic SRB from soda lakes. Strain APT3 was grown at pH 9.5 and 2 M total Na⁺, *Desulfonatronobacter acetioxydans* APT2 was grown at pH 10 and 0.6 M total Na⁺, temperature was 30°C. The cells were harvested at late logarithmic stage. The values above 5% from the total are in bold. Only components present at the level above 0.5% are shown

FA	APT3 ^T	<i>Desulfonatronobacter acetioxydans</i> APT2 ^T
10:0	0.5	
12:0	1.0	
14:0	2.7	0.7
i14	8.6	1.1
16:0	25.4	13.2
i16:0	2.7	1.2
16:1ω7	3.3	7.2
18:0	1.3	1.9
i18:0	0.5	0.2
18:1ω7	49.5	65.8
11Me18:1	1.0	6.5
19cyc ω7	1.7	0.6

APT3



Desulfonatronobacter acidivorans



Supplementary fig S1: Membrane polar lipid profiles (2-dimensional TLC) of strain APT3 in comparison with the closest phylogenetic relative. Strains were grown with butyrate+thiosulfate at pH 10 and 0.6 M total Na⁺ (*D.acidivorans*) or 2 M (APT3).