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Soil priming effects and involved microbial community along salt gradients

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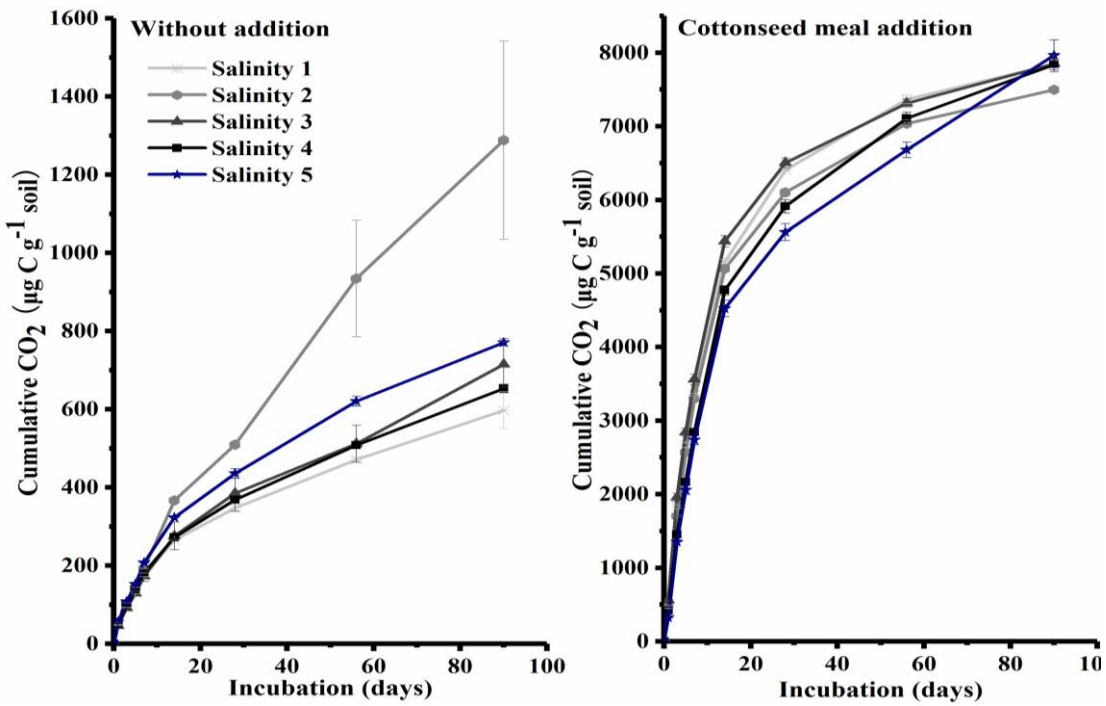


Fig. S1. Cumulative total amounts of CO_2 evolved in different five salinity soils during 90 days of incubation without addition and with cottonseed meal addition. Error bars represent standard errors of the means (n =3)

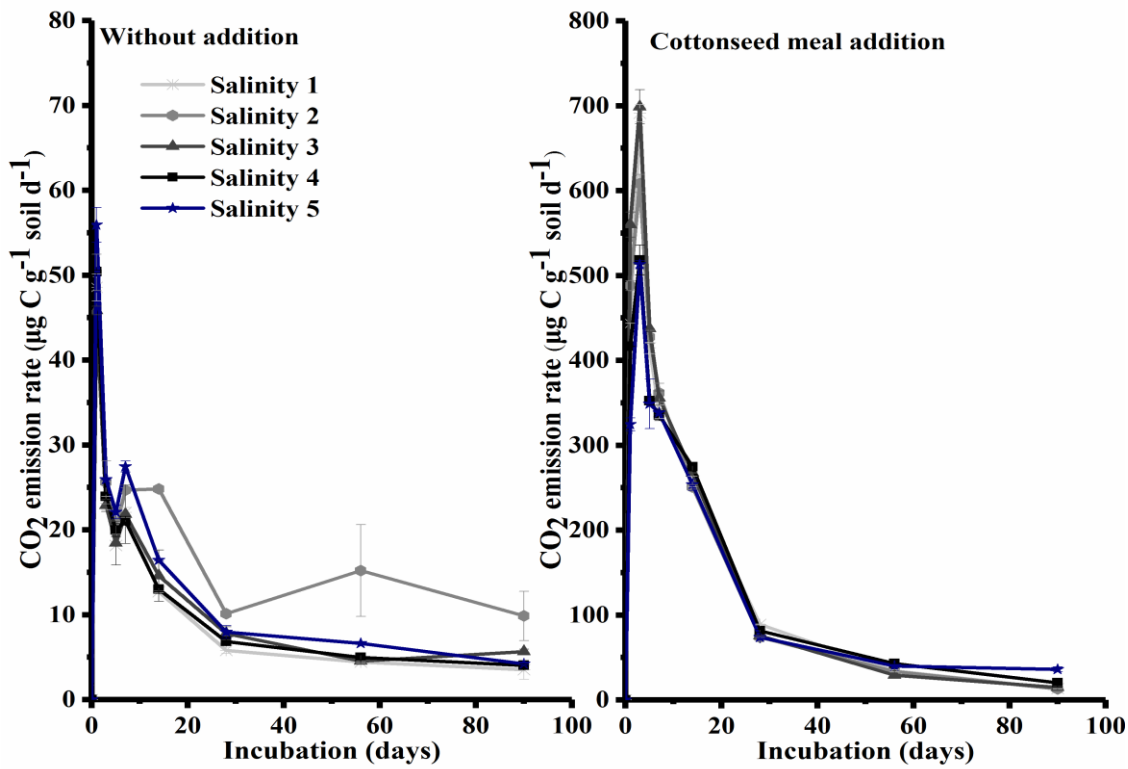


Fig. S2. Emission rate of CO_2 in different five salinity soils during 90 days incubation without addition and with cottonseed meal addition. Error bars represent standard errors of the means (n = 3).

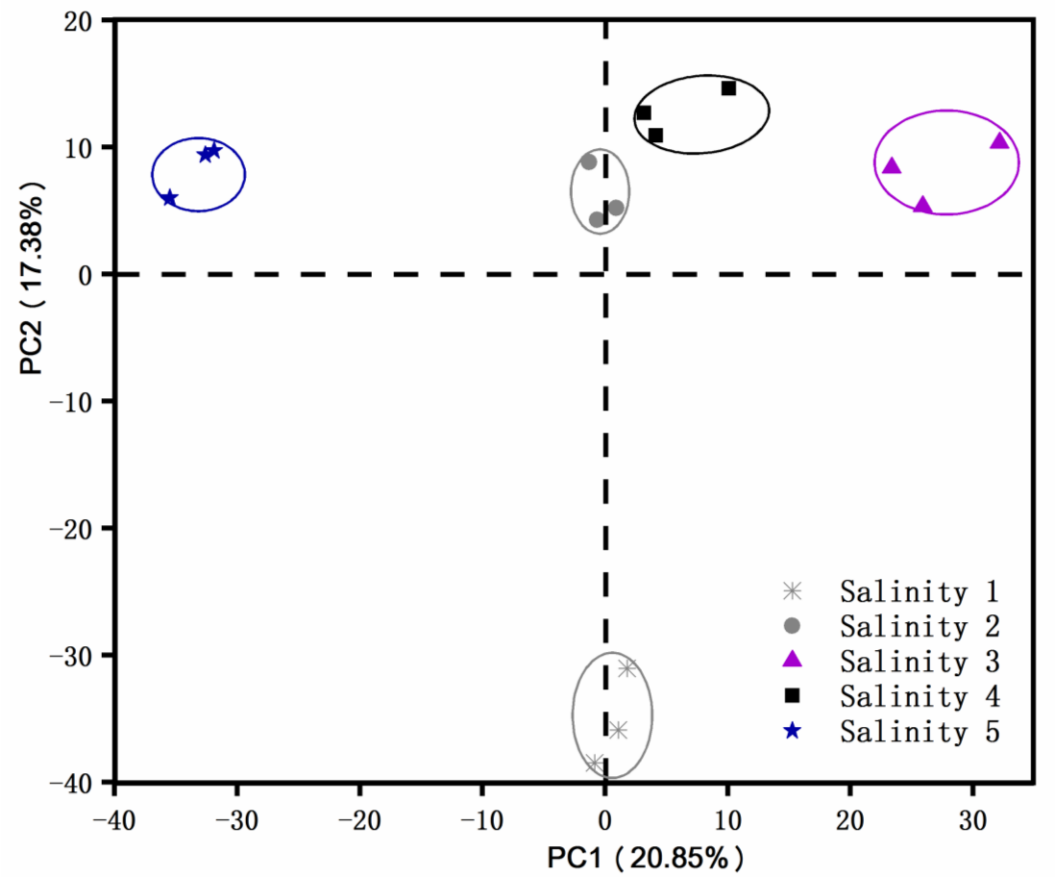
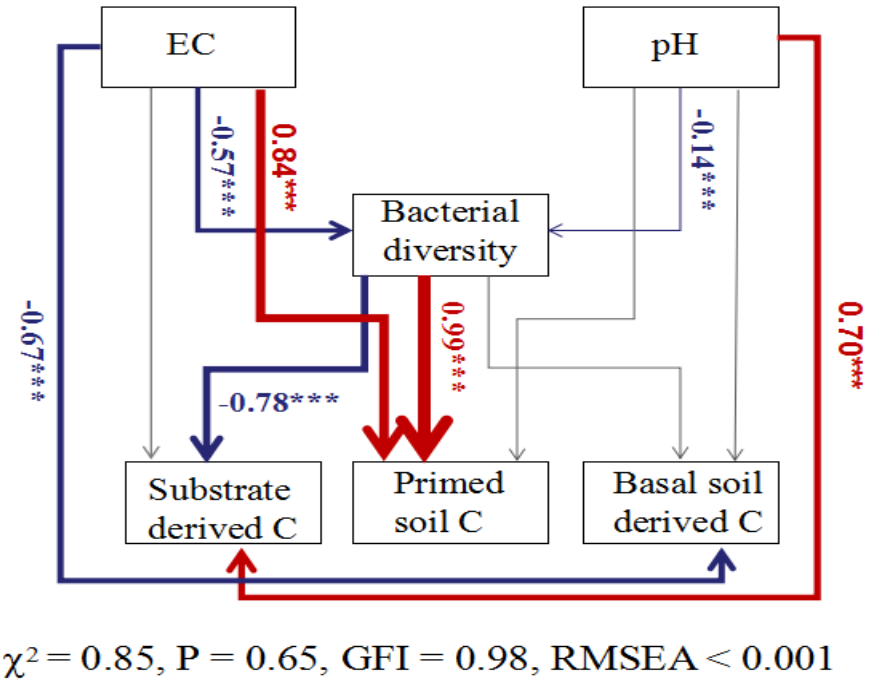


Fig. S3. PCA of the difference between five salinity soils, at 28 days.



$\chi^2 = 0.85$, P = 0.65, GFI = 0.98, RMSEA < 0.001

Fig. S4. Path analysis detecting the underlying causal relationships between soil salinity physicochemical factors and microbial community composition of carbon dynamics in the soilt system. Red lines indicate positive relationships, while blue lines indicate negative relationships. The width of arrows indicates the strength of significant standardized path coefficients (P < 0.05). Paths with non-significant coefficients are presented as gray lines. ****p < 0.001*; ***p < 0.01*; **p <0.05*.