Supplementary Figures

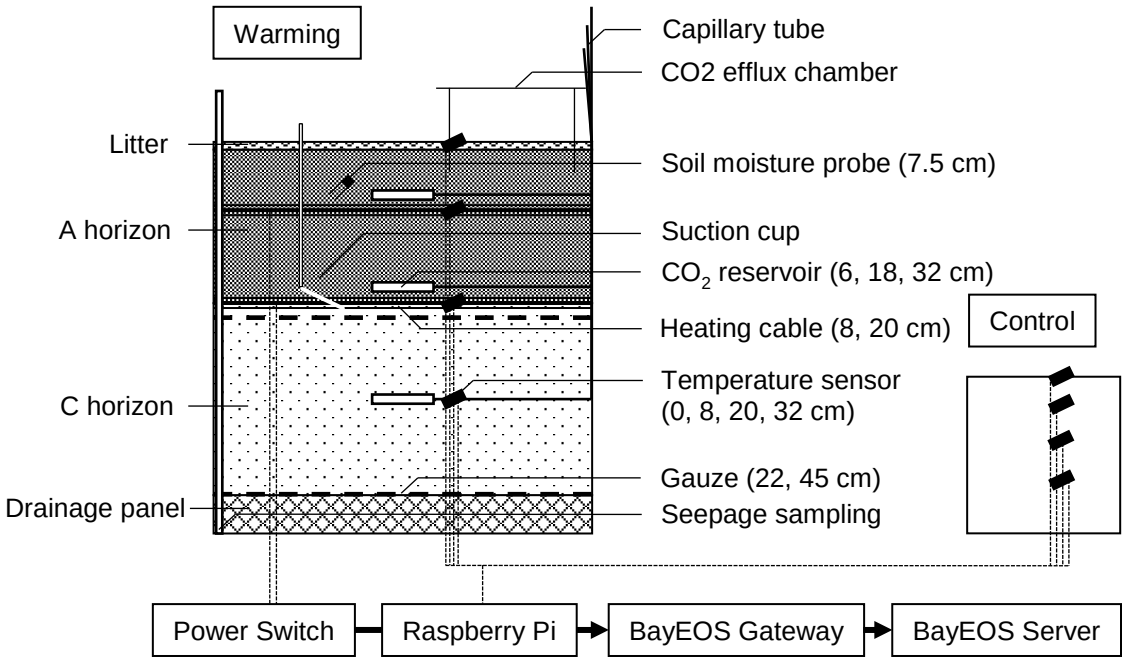

Figure S1: Setup of a lysimeter with temperature regulation by heating cables at two depths for soil warming. Temperature regulation refers to soil temperatures at same depths in a control lysimeter. All depths are referred to the mineral soil surface.

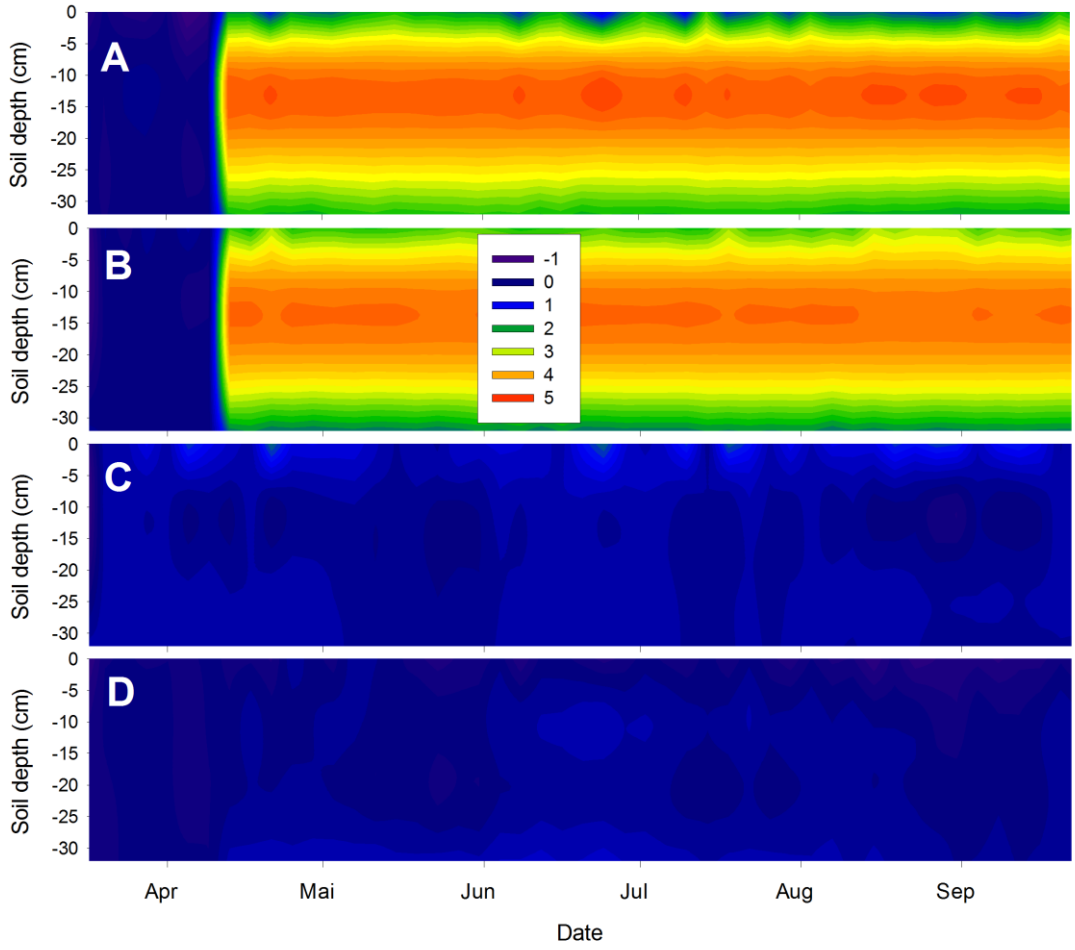

Figure S2: Performance of the soil warming system. Contour plots show soil temperature differences of (A) H versus C, (B) H+I versus I, (C) C versus I, and (D) H versus H+I at soil depths ranging from 0 to 32 cm. Soil warming started at April 11, 2016.

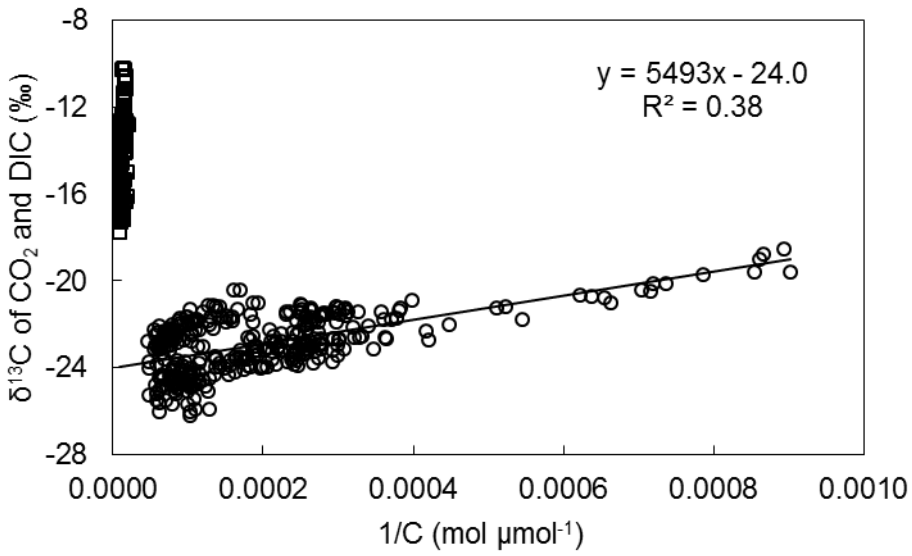

Figure S3: Isotope ratios plotted against the inverse of CO_2 concentrations (1/C) at 6, 18 and 32 cm depth (open circle) and DIC in seepage (open squares) after Keeling (1961). The linear regression line includes only values of CO_2 at 6, 18 and 32 cm depth. DIC concentrations (mg L^{-1}) were converted to gaseous concentration (µmol mol^{-1}) at 0°C and 100 kPa.