

**IOF 219357 PPEPSI
FINAL REPORT**

**ATTACHED DOCUMENT TO SECTION 1. FINAL PUBLISHABLE
SUMMARY REPORT**

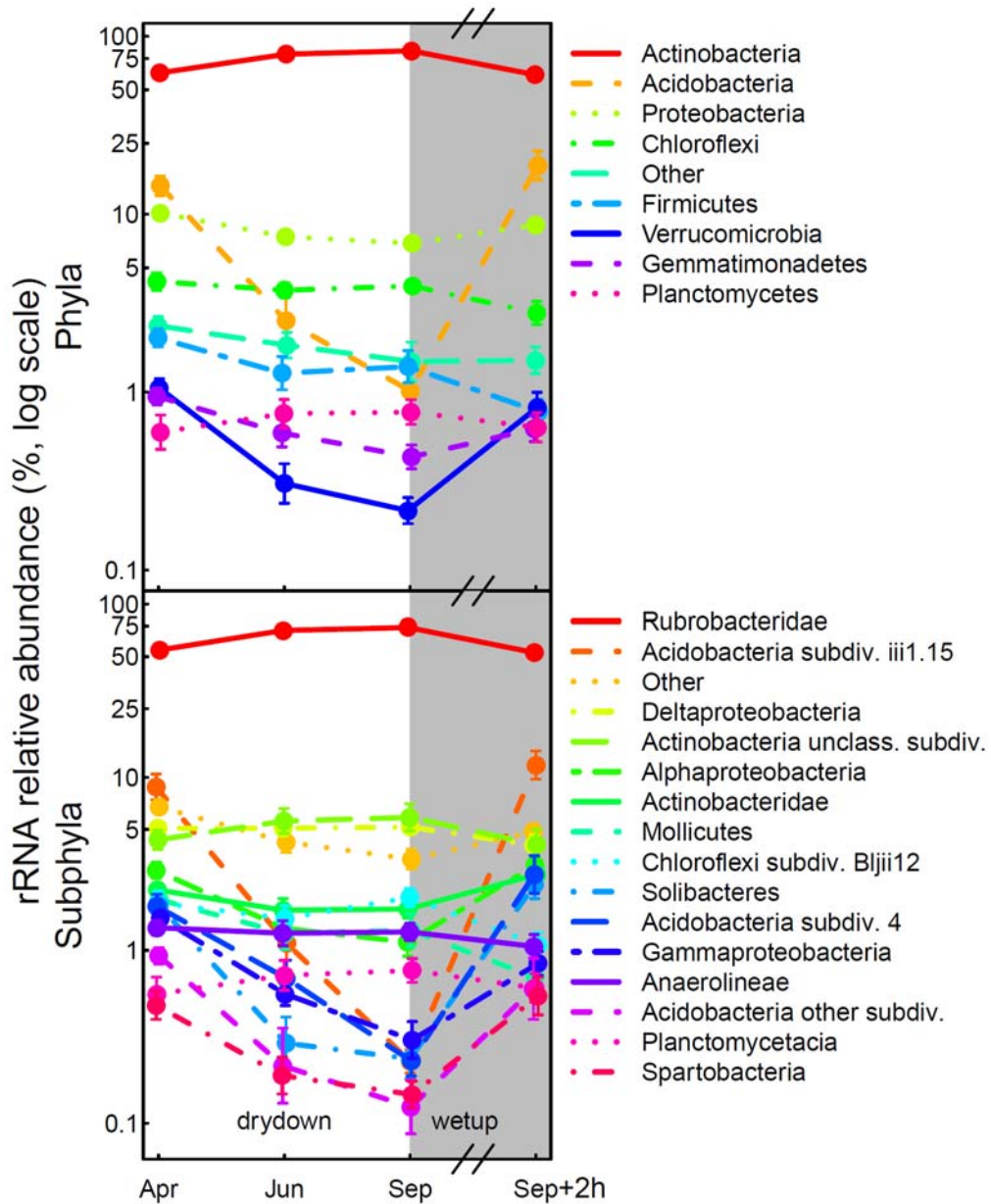


Figure 1. Relative abundance of the bacterial phyla (a) and subphyla (b) that amount to more than 1% relative abundance, sequenced over dry-down in the field and 2 hours after controlled wet-up in the laboratory. Bars indicate $\pm 1SE$ (n=9).

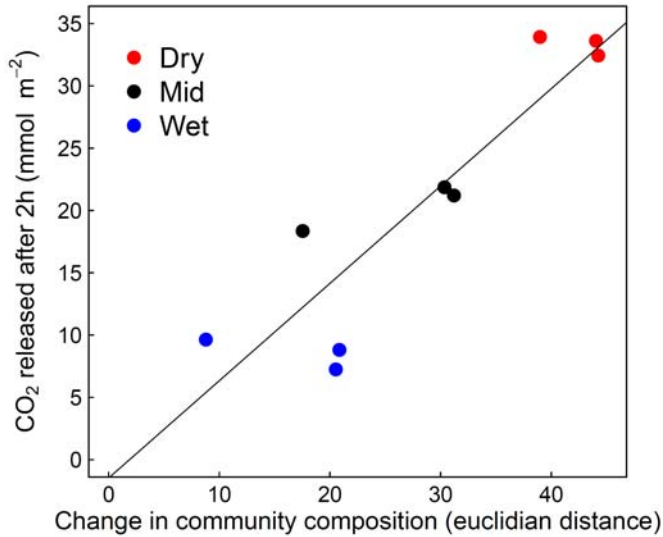


Figure 2. Relation between changes in bacterial community composition (phylum level) and the amount of CO₂ emitted from soils 2 hours after rewetting. The soils were subjected to 4 months without water input (“Dry”), with weekly water inputs (“Wet”) or to 2 months with weekly water inputs followed by 2 months without input (“Mid”). Note that soil water content was similar in the Dry and Mid treatments prior to rewetting.

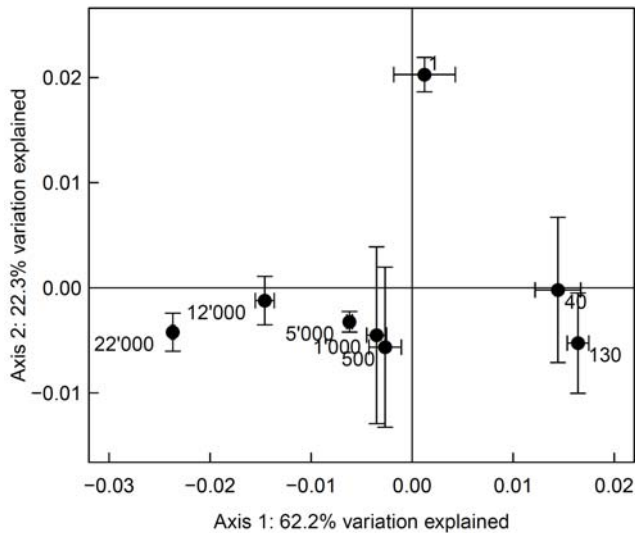


Figure 3. Principal coordinates analysis (PcoA, weighted UniFrac distance metric) of the bacterial community structure along the Franz-Josef chronosequence. Bars indicate SE, numbers indicate the age of the soil.