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## Data S1

Biomass, enzymatic, genetic, biogeochemical and environmental data of control and experimentally warmed plots in the 100 datasets (94 studies) reviewed in this meta-analysis. Details of each experimental site (i.e. coordinates, MAT, MAP, soil depths, biome classification, averaged temperature and moisture difference between control and treatment plots, duration of warming experiment, and references) are also included.

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# File list

raw\_data.csv

## Description

Abbreviations

- All headings contain the letter c Control plots
- All headings contain the letter w Warmed plots
- n (columns E and DS) Number of replicates
- se standard error
- sd standard deviation
- MicN Microbial biomass N
- DON Dissolved Organic N
- NH4 Ammonium
- NO3 Nitrate
- TSN Total soil N
- Nfix N fixation
- Nmin N mineralization
- Nnit N nitrification
- Namo -N ammonification
- N20  $N_2O$  emissions
- Ure Urease activity

#### Pro - Protease activity

- LAP Leucine aminopeptidase (LAP) activity
- NAG N-acetylglucosaminidase (NAG) activity
- PO Phenoloxidase (PO) activity
- POX Peroxidase (POX) acitivity
- Bac Bacterial biomass
- GramP Gram positive
- GramN Gram negative
- Act Actinobacteria
- Aci Acidobacteria
- Apro  $\alpha$ -proteobacteria
- Fun Fungal biomass
- AMF Arbuscular mycorrhiza
- EM Ectomycorrhizae
- Arch Archaea
- BacF Bacterivore
- FunF Fungivore
- BamoA Bacterial amoA
- AamoA Archaeal amoA
- nosZ nosZ
- nifH nifH
- nirK nirK

nirS - nirS

- root Root biomass
- root N Root N content
- ST Soil temperature
- SM Soil moisture
- рн Soil pH