

Figure S1. The relative abundances of bacterial genera between different N gradients (N1, N2, N3 and N4) and the control (N0) (at 95% confidence intervals, Student's *t*-test, equal variance). N0, N1, N2, N3, and N4 represent N fertilizer was used at a level of 0, 90, 150, 210, and 270 kg ha⁻¹, respectively.

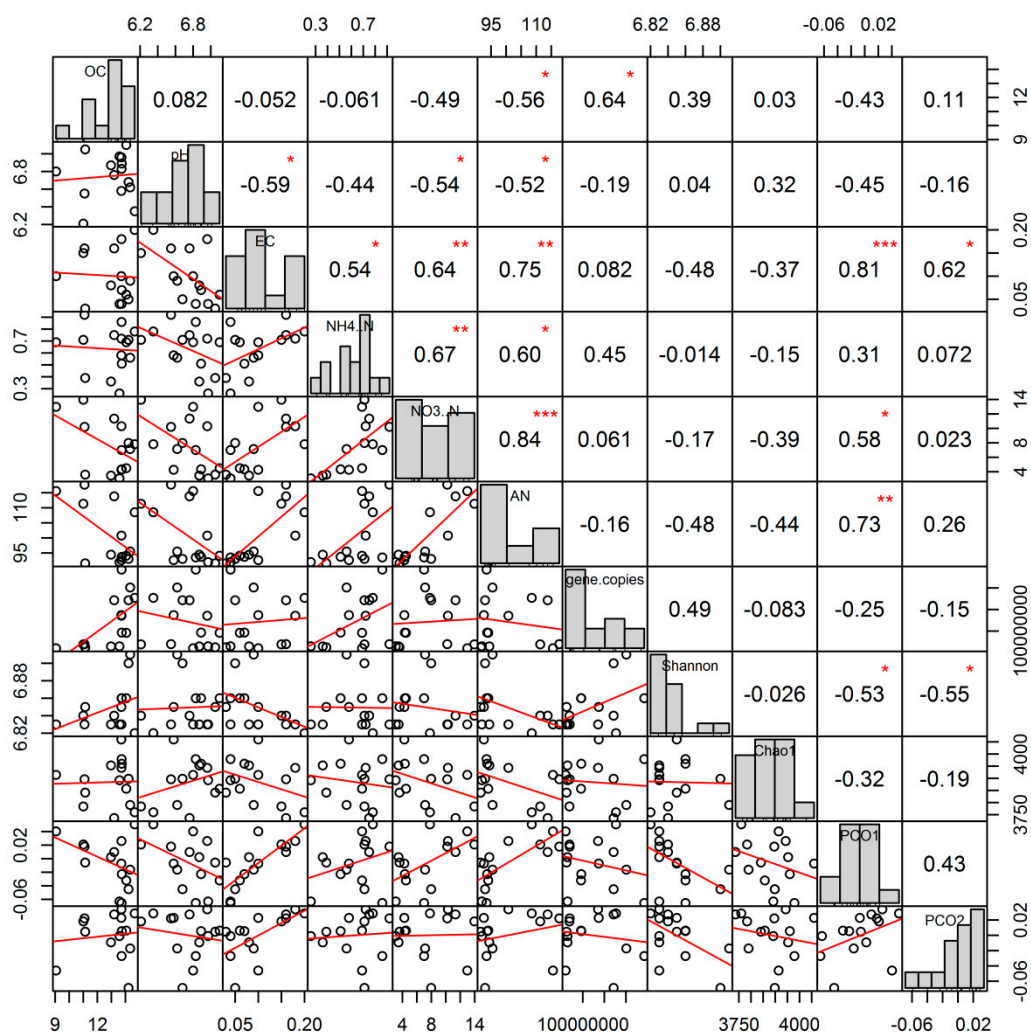


Figure S2. Correlation coefficients between soil properties and bacterial community significant correlations (* $0.01 < P < 0.05$, ** $0.001 < P < 0.01$, *** $P < 0.001$).

OC: soil organic carbon, EC: soil electrical conductivity, NH₄⁺-N: soil ammonium nitrogen, NO₃⁻-N: soil nitrate nitrogen, AN: soil available nitrogen.