

Figure S1. Blue point is the location of the soil sampling area

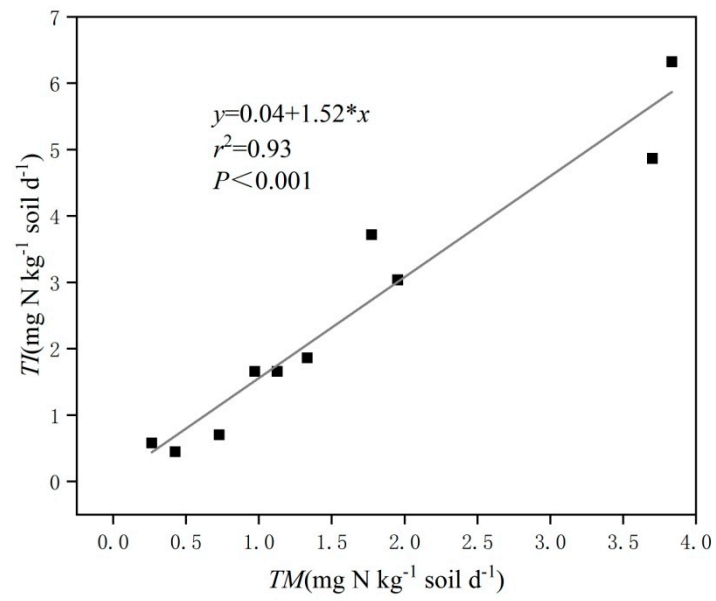


Figure S2. The relationship between TM and TI . The standard errors of the means ($n=3$) are shown as vertical bars. Where TM = the gross mineralization rates; TI = the gross NH_4^+ immobilization rates.

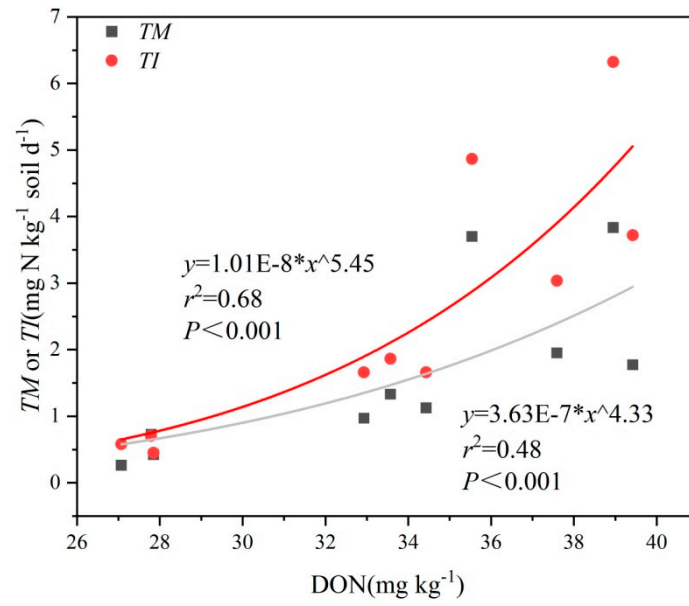


Figure S3. The relationship between DON and *TM* (*TI*) . The standard errors of the means (n=3) are shown as vertical bars. Where *TM* = mineralization of organic N to NH_4^+ ; *TI*= immobilization of NH_4^+ to organic N.

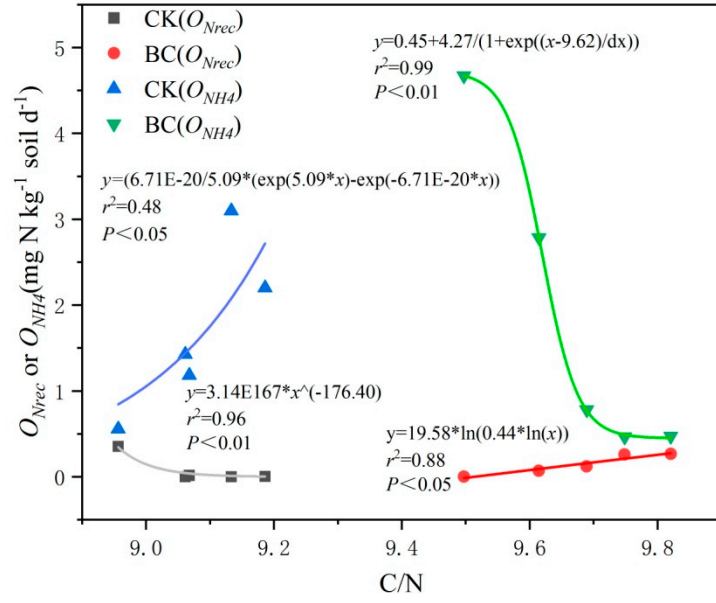


Figure S4. The relationship between C/N and O_{Nrec} . The standard errors of the means ($n=3$) are shown as vertical bars. Where O_{Nrec} =oxidation of recalcitrant organic N to NO_3^- ; O_{NH4} = oxidation of NH_4^+ to NO_3^- .