



Fig. S1. Total NH₄⁺-N (a) and NO₃⁻-N (b) measured in soil during the 42-days incubation. **WS:** wheat straw; **B350:** biochar produced from WS by slow pyrolysis at highest heating temperature (HHT) of 350 °C; **B550** biochar produced from WS by slow pyrolysis at HHT of 550 °C. **UR:** Soil fertilized with urea only; **Control:** not fertilized soils. Urea fertilization (51 mg N kg⁻¹ soil) was performed at day 14 in BC550, BC350, WS and UR treatments; Glucose addition (0.7 mg C g soil⁻¹) performed at day 28 in all treatments (including Control). Error bars refer to standard errors (n=3 with the exception of the last sampling with n=4).