



Figure S1. The root system stiffness was consistent across years. (A) The root system stiffness was highly correlated between years ( $r=0.91$ ). (B) There was an inbred genotype and year effect, but not interaction effect. In 2020, the root system stiffness was on average less than it was in 2021 regardless of genotype. (C) Inbred genotypes were ranked from lowest (1) to highest (13) root system stiffness within each year. Comparing rankings between years showed that inbred genotypes ranked similarly across years.