



Figure S2 Frequency distribution for relative net root growth (RNRG) after five days at $\{27\} \mu\text{M Al}^{3+}$ in nutrient solution **(A)** and grain yield (ton ha^{-1}) under 56% Al saturation stress in the field **(B)** for the RIL population derived from the cross between SC283 (Al tolerant) and BR007 (Al sensitive). Phenotypic means and standard deviations for the parents, homozygous tolerant (TT), homozygous sensitive (tt) progeny and the entire population (RILs) are shown.