**Table S3** Variance components, phenotypic means and heritability  $(h^2)$  estimates are shown for relative net root growth (RNRG) assessed in hydroponics after five days of AI exposure and grain yield (ton ha<sup>-1</sup>) in control conditions and under high-AI saturation (AI) in the field.

Effects	RNRG -	Grain yield (ton ha <sup>-1</sup> )	
		Control	Al
$\widehat{\sigma}_g^2$	0.09	1.12	0.44
$\widehat{\sigma}_e^2$	0.01	0.62	0.55
Mean	48.49	3.15	2.31
$h^2$	0.95	0.85	0.71