

**Table S3 P-values for model factors, heritabilities, and tests of normality for the traits measured in this study.**

Phenotype	Env	Rep (Env)	Line	Line*Env	Shapiro-Wilk Test <sup>1</sup>	Heritability	
						Line	
						Plot-Basis	Mean-Basis
LES	ns	ns	****	****	0.99	0.700	0.930
HTR	ns	ns	****	****	0.98	0.731	0.944
SWR	ns	ns	****	****	0.98	0.473	0.853
PCTLES4	ns	ns	****	****	0.87	0.425	0.829
NULES4	ns	ns	****	****	0.84	0.082	0.358
LESSIZ4	ns	ns	***	****	0.22	0.074	0.355
PCTLES7	ns	ns	****	****	0.79	0.246	0.651
NULES7	ns	ns	****	****	0.90	0.129	0.493
LESSIZE7	ns	ns	ns	ns	0.09	0.004	0.034
PCTLESAV	ns	ns	****	****	0.87	0.432	0.815
NULESAV	ns	ns	****	****	0.91	0.134	0.497
LESSZAV	ns	ns	ns	ns	0.16	0.048	0.283

Note: LES - Lesion score from field, HTR - Height ratio, SWR - Stalk width ratio, PCTLES4 - Percent necrotic lesions on the 3rd or 4th leaf, NULES4 - Number of necrotic lesions on the 3rd or 4th leaf, LESSIZ4 - Average necrotic lesions size on the 3rd or 4th leaf, NULES7 - Number of necrotic lesions on the 7th or 8th leaf, LESSIZE7 - Average necrotic lesions size on the 7th or 8th leaf, PCTLESAV - Average of Percent necrotic lesions, NULESAV - Average of necrotic lesions, LESSZAV - Average necrotic lesions size. Env = Environment and Rep = Replicates; ns = not significant; and \*\*\*, and \*\*\*\* indicate p-values less than 0.001 and 0.0001, respectively.

<sup>1</sup>Shapiro-Wilk parameter is measured between 0 and 1. Small values are evidence for departure from normality, while high values imply normality