

Supplementary Table 4: Epistatic interactions identified in RILs with QTLNetwork-2.0

trait	Interval_1 ^e	Interval_2 ^e	AA effect \pm SE ^f	P-Value	R ² (%)	
per se ^a	DW15 ^c	1/36-47	5/41-54	0.031 \pm 0.010	0.002	2.0
	LA08 ^d	1/36-43	5/38-52	0.226 \pm 0.068	0.001	2.4
Z ₁ ^b	DW15 ^c	1/84-93	4/4-8	-0.039 \pm 0.017	0.022	1.0
	LA08 ^d	1/82-93	4/1-8	-0.175 \pm 0.071	0.013	1.3
	LA10 ^d	1/83-93	4/1-8	-0.344 \pm 0.152	0.024	1.1

^a QTL for RIL performance *per se*

^b QTL for augmented additive effect for each trait

^c DW15: Shoot dry weight at 15 DAS in mg plant⁻¹

^d LAn: leaf area at n DAS in mm² plant⁻¹

^e Confidence interval of each of the two QTL involved in the digenic epistasis, given as chromosome/cM.

^f Estimated additive by additive effect \pm standard error (SE); a negative value indicates an increasing effect of recombined genotypes.