

Additional file 4: Table S4: Significant digenic/ epistatic interactions ($P \leq 1.0 \times 10^{-5}$) and LOD values for agronomic and physiological traits in an F_{2:3} population from a cross between Capsule/BR29.

Trait	Chr-A	Locus-A	Chr-B	Locus-B	Total LOD for association (LODt)	Interaction LOD (IX)	LOD for Locus-A main effect (Main-A)	LOD for Locus-B main effect (Main-B)	Type of interaction
Survival	3	RM5928	3	RM6329	8.15	3.07	1.07	3.65	Between QTL and Background
	3	RM14795	3	RM6329	10.17	5.35	0.24	3.70	Between QTL and Background
	3	RM251	3	RM6329	8.15	3.59	0.37	3.70	Between QTL and Background
SES	3	RM5928	3	RM6329	10.13	3.24	1.04	5.18	Between QTL and Background
	3	RM14795	3	RM6329	10.76	4.43	0.39	5.26	Between QTL and Background
	3	RM251	3	RM6329	9.78	3.13	0.80	5.26	Between QTL and Background