

Supplementary Table S1: Heritabilities of the observed phenotypes

Broad-sense heritabilities (h^2) in the 4 RIL sets (BlaxCol, CvixCol, BurxCol and YoxCol) for PRA29, RER16-29 and Compactness29 in WW and WD conditions. $H^2 > 0.4$ are highlighted in bold. Broad-sense heritabilities were calculated with the following equation $h^2 = \text{Var}(G)/\text{Var}(P)$ with $\text{Var}(P)=\text{Var}(G)+\text{Var}(E)$

	BlaxCol	CvixCol	BurxCol	YoxCol
PRA29 WW	0.23	0.67	0.62	0.48
PRA29 WD	0.12	0.45	0.55	0.26
RER16-29 WW	0.17	0.13	0.66	NA
RER16-29 WD	0.22	NA	0.42	NA
Compactness29 WW	0.75	0.60	0.65	0.54
Compactness29 WD	0.50	0.40	0.37	0.34