

Additional file 1: Table S1a: Correlation and path coefficients for direct and indirect effects of Na⁺ concentration, K⁺ concentration, survival, Na⁺-K⁺ ratio, and shoot biomass on SES scores in an F_{2,3} population of a cross between Capsule (salt tolerant) and BR29 (salt sensitive) grown under salt-stress at seedling stage.

Predictor variables	Correlation	Direct effects (D)	Indirect effects (I)					Total effects (D+I)	
			Na ⁺ concentration	Survival	K ⁺ concentration	Na ⁺ -K ⁺ ratio	Biomass (Shoot)		
Na ⁺ concentration	0.692	0.116		0.261	0.048	-0.004	0.270	0.575	0.691
Survival	-0.795	-0.368	0.083		-0.052	0.0036	-0.296	-0.427	-0.794
K ⁺ concentration	-0.184	-0.122	-0.112	0.072		-0.151	0.13	-0.061	-0.183
Na ⁺ -K ⁺ ratio	0.440	0.0085	0.051	0.152	0.033		0.191	0.427	0.436
Biomass (Shoot)	-0.815	-0.427	-0.074	-0.255	-0.063	0.004		-0.388	-0.815

Residual effects= 0.50

Additional file 1: Table S 1b: Correlation and path coefficients for direct and indirect effects of Na⁺ concentration, survival and K⁺ concentration on SES scores in an F_{2,3} population of a cross between Capsule (salt tolerant) and BR29 (salt sensitive) grown under salt-stress at seedling stage.

Predictor variables	Correlation	Direct effects (D)	Indirect effects (I)			Total effects (D+I)	
			Na ⁺ concentration	Survival	K ⁺ concentration		
Na ⁺ concentration	0.692	0.215		0.387	0.089	0.477	0.692
Survival	-0.794	-0.547	-0.153		-0.095	-0.248	-0.795
K ⁺ concentration	-0.184	-0.139	-0.125	0.081		-0.044	-0.183

Residual effect= 0.61