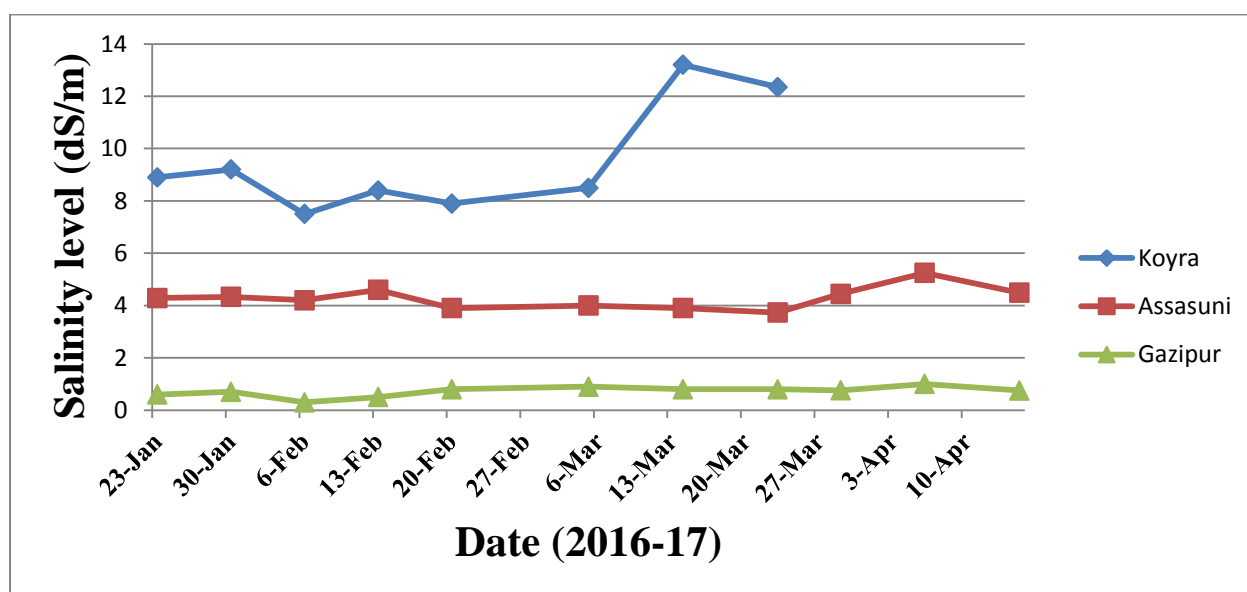


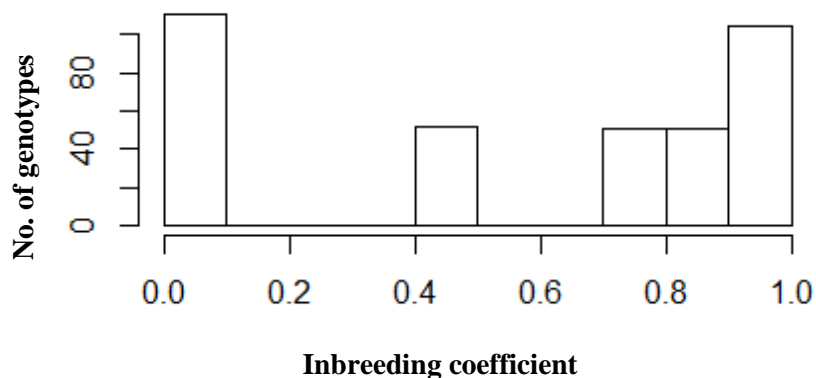
**Supplementary Table 1:** Correlation yield performance of three locations

	Assasuni (E1)	Gazipur (E2)
Gazipur (E2)	0.64	
Koyra (E3)	0.15	0.12

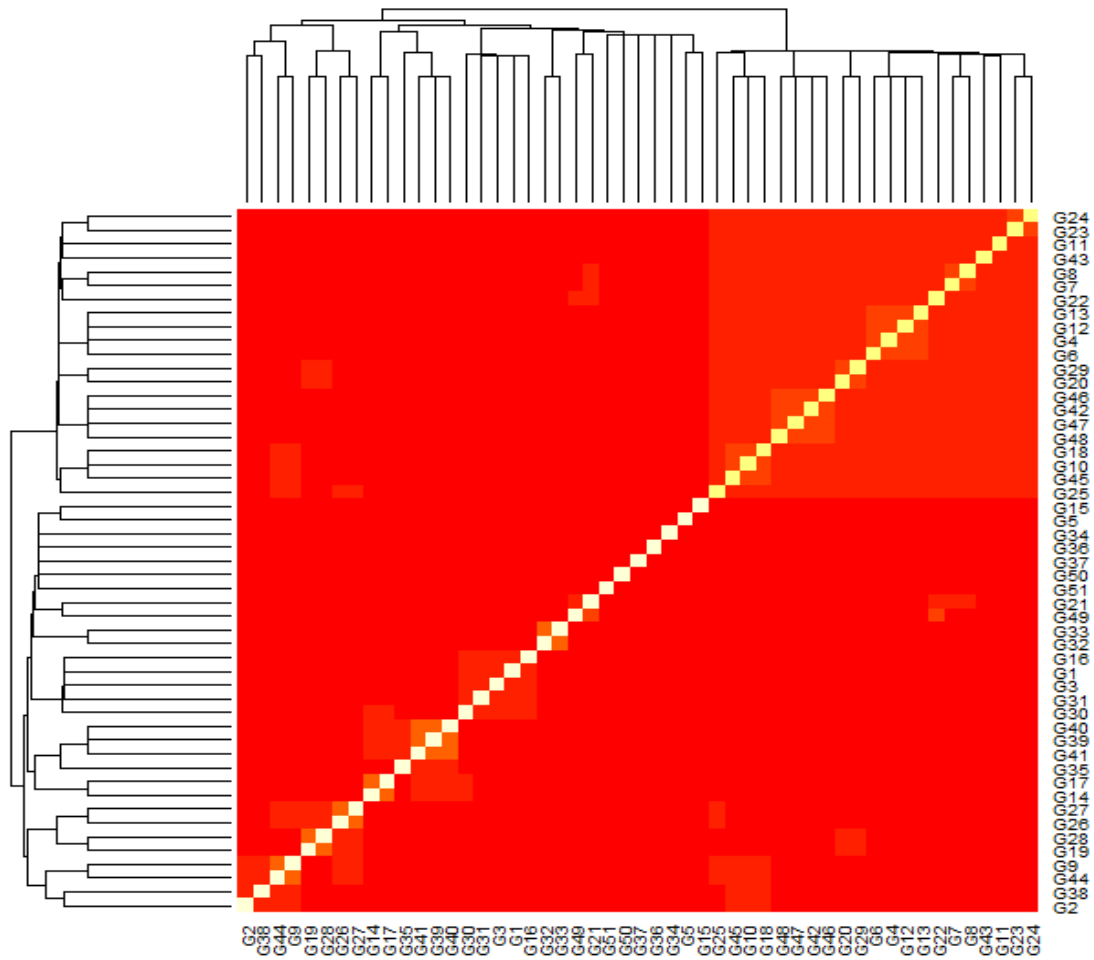
**Supplementary Figures**



**Supplementary Figure 1:** Salinity condition of the experimental plots



**Supplementary Figure 2:** Frequency distribution of 51 rice genotypes rice genotypes for inbreeding coefficient.



**Supplementary Figure 3:** The dendrograms of 51 genotypes generated by pedigree based analysis of the relationship matrix. Heatmap of the additive relationship matrix shows family structure. Individuals derived from the same full-sib family share a common symbol.