Supplementary Tables

Table 1. Morpho-physiological features measured and measuring unit

Parameter name	Stage	Description	Unit
Total number of seeds	Germination	Total number of seeds used (both for submerged and control sample)	
No. of seeds germinated		Submerged + control sample	
Coleoptile length		Submerged + control	cm
Root length		Submerged + control	cm
Plant height	Early seedling	From the base to the leaf tip	cm
Total number of plants		For control sample	
No. plants emerging above water		Number of seedlings above the water surface (For submerged sample)	
Total number of leaves		Total number of leaves per seedling (For control sample)	
No. leaves above water		For control sample	
Leaf portion above water		Length of the leaf portion emerging above water level (submerged samples only)	cm
Plant height	Vegetative stage	From the base to the longest leaf tip	cm
Internode length		Length of 1st internode	cm

Table 2. t-Test for two samples assuming unequal variances for different parameters for each stage. If t stat>tcrt, p value<0.05, value is significant.

Stage	parameter	t Stat	t Critical two-tail	P(T<=t) two-tail
Germination	% germination	-0.08029	2.160369	0.937227
	coleoptile length	3.285076*	2.228139	0.008218*
	root length	6.426004*	2.262157	0.000122*
Early seedling	Plant height(7D)	1.135312	2.160369	0.276743
	Plant height(14D)	0.859057	2.178813	0.407142
	no.of seedlings above water out of total seedlings(7D)	0	2.144787	1
	no.of seedlings above water out of total seedlings(14D)	4.602533*	2.144787	0.00041*
	No. of leaves above water out of total(7D)	-2.44949	2.178813	0.030622*
	No. of leaves above water out of total(14D)	1.032373	2.144787	0.319403
Vegetative	plant height (7D)	-3.73348	2.262157	0.004672*
	plant height (14D)	-4.04877	2.178813	0.001614*
	plant height (21D)	-5.81069	2.144787	4.52E-05*
	Internode length(7D)	-7.93975	2.306004	4.61E-05*
	Internode length(14D)	-7.56847	2.364624	0.00013*
	Internode length(21D)	-7.81248	2.364624	0.000106*
Aerenchyma character	total area of air space(7D)	-0.92103	2.228139	0.378717
	total area of air space(14D)	-0.42277	2.228139	0.681408
	total area of air space(21D)	-1.18681	2.262157	0.265683

N.B: Asterisk (*) values are significant at 5% significant level (i.e.p<=0.05)