

Table 3 Phenotypic correlation coefficients between single plant yield and component characters

Characters	DF	PH	PT	PP	PL	SF	FG	HW	HI	PC	CC	CSI	RWC	BMY	DRW	DSW	R:S	RL	YLD
DF	1	-0.441*	-0.208	0.144	0.105	-0.141	0.766**	0.127	-0.349	-0.112	-0.227	-0.142	-0.291	0.164	0.053	0.237	-0.187	0.028	-0.153
PH		1	-0.201	-0.154	0.240	0.254	0.018	-0.084	0.296	0.330	-0.102	0.010	0.125	0.002	0.201	-0.156	0.355	-0.266	0.374
PT			1	-0.329	-0.467*	-0.249	0.103	0.420*	-0.086	0.310	-0.344	-0.055	-0.250	0.287	-0.418*	0.179	-0.688**	0.114	0.214
PP				1	0.286	0.165	0.028	-0.512*	0.065	-0.138	0.049	-0.030	0.018	-0.077	0.164	0.378	-0.061	-0.186	-0.105
PL					1	-0.263	0.083	0.169	0.484*	0.540**	0.217	-0.093	-0.210	0.249	0.389*	-0.248	0.504*	0.043	0.601**
SF						1	-0.021	-0.211	-0.186	-0.250	-0.194	0.272	0.353	0.098	0.634**	0.334	0.526**	-0.303	-0.238
FG							1	0.367	0.021	0.295	-0.422*	0.072	0.002	-0.102	0.364	0.243	0.204	-0.161	0.243
HW								1	0.077	0.371	-0.223	-0.388*	-0.424*	0.189	-0.142	-0.174	-0.236	-0.153	0.290
HI									1	0.700**	0.177	0.119	0.009	-0.529**	0.017	-0.155	-0.028	0.101	0.771**
PC										1	-0.024	0.087	-0.138	0.051	-0.151	-0.019	-0.282	0.240	0.987**
CC											1	0.160	-0.065	-0.112	-0.451*	-0.241	-0.361	0.598**	0.007
CSI												1	0.429*	-0.192	0.300	0.479*	0.006	0.148	0.136
RWC													1	-0.014	0.142	0.452*	-0.202	-0.193	-0.050
BMY														1	-0.212	0.361	-0.451*	-0.078	-0.016
DRW															1	0.336	0.802**	-0.533**	-0.120
DSW																1	-0.316	-0.225	-0.008
R:S																	1	-0.469*	-0.256
RL																		1	0.212
YLD																			1

Note: * significant at 5% level, ** significant at 1% level; DF: Days to 50% flowering; HI: Harvest index; BMY: Biomass yield; PH: Plant height; YLD: Single plant yield; DSW: Dry shoot weight; PT: Productive tillers per plant; HW: Hundred grain weight; DRW: Dry root weight; PP: Panicles per plant; PC: Proline content; R:S: Root: Shoot ratio; PL: Panicle length; CC: SPAD Chlorophyll meter reading; RL: Root length; FG: Filled grains per panicle; CSI: Chlorophyll stability index; SF: Spikelet fertility; RWC: Relative water content