

Table 6 Direct (diagonal) and indirect effects of component characters on grain yield in high plant density (D<sub>2</sub>: 30 cm × 30 cm)

Characters	PH	DFF	LAF	LI	DI	FWI	NR	LR	NSB	TCC	PC	r <sub>g</sub> with grain yield
PH	0.453	-0.001	0.194	-0.405	-0.361	-0.177	0.056	-0.260	0.580	-0.003	-0.041	0.499
DFF	0.000	-0.641	0.143	0.112	0.259	0.063	0.007	-0.250	-0.564	0.006	0.049	-0.583
LAF	0.152	-0.159	0.576	-0.164	0.144	-0.067	-0.150	-0.148	-0.211	-0.007	-0.015	0.177
LI	0.300	0.117	0.154	1.611	-0.398	-0.220	-0.075	-0.013	0.955	-0.003	-0.051	0.375
DI	0.297	0.302	-0.151	-0.442	-0.550	-0.129	0.160	0.052	0.753	0.001	-0.034	0.364
FWI	0.383	0.194	0.187	-0.644	-0.341	2.209	-0.029	-0.069	0.888	-0.003	-0.552	0.624
NR	-0.105	0.018	0.358	-0.190	0.363	-0.025	-0.242	0.148	0.100	-0.005	-0.023	0.301
LR	-0.262	0.358	-0.090	0.018	-0.064	0.332	-0.080	0.449	0.362	0.001	-0.002	0.235
NSB	0.209	0.287	-0.097	-0.464	-0.329	-0.147	-0.019	0.129	1.258	0.003	-0.636	0.415
TCC	0.087	0.251	0.262	-0.145	0.059	-0.051	-0.089	-0.048	-0.237	-0.006	-0.300	0.311
PC	0.241	0.411	0.114	-0.403	0.248	0.049	-0.072	0.128	0.600	-0.015	-0.077	0.131

Note: \*Significance at 5 per cent level; \*\*Significance at 1 per cent level; Residual effect = 0.266; r<sub>g</sub> = Genotypic correlation; PH: Plant height; DFF: Days to 50 per cent flowering; LAF: Leaf area at 50 per cent flowering; LI: Length of the primary inflorescence; DI: Diameter of the inflorescence; FWI: Fresh weight of the inflorescence; NR: Number of rachis per inflorescence; LR: Length of the rachis per inflorescence; NSB: Number of secondary branches per inflorescence; TCC: Total carbohydrates content; PC: Protein content

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