

Table 8 Direct (diagonal) and indirect effects of component characters on grain yield in low plant density (D<sub>4</sub>: 45 cm × 30 cm)

Characters	PH	DFF	LAF	LI	DI	FWI	NR	LR	NSB	TCC	PC	r <sub>g</sub> with grain yield
PH	-1.597	0.127	-0.246	0.005	-0.567	-0.120	0.022	-0.012	0.285	-0.001	-0.247	0.526
DFF	0.005	-0.656	0.101	0.058	-0.515	0.024	-0.327	0.135	-0.264	0.121	-0.132	-0.358
LAF	0.124	0.092	0.428	-0.059	-0.001	-0.097	-0.029	-0.042	-0.427	-0.107	0.005	0.351
LI	-0.207	0.130	0.002	0.958	-0.297	-0.102	-0.042	0.084	0.007	-0.368	-1.015	0.466
DI	-0.027	0.114	-0.098	-2.420	0.627	-0.087	-0.002	0.835	-0.102	0.000	-0.002	0.547
FWI	0.175	0.256	0.026	0.017	-0.247	0.986	-0.004	-0.062	0.588	-0.002	-0.004	0.652**
NR	-1.287	0.234	0.728	0.182	0.252	-0.167	-1.105	0.057	0.002	-0.578	-0.007	0.088
LR	0.164	0.387	0.557	0.087	0.002	0.184	-0.012	0.528	0.768	-0.001	-1.167	0.056
NSB	0.228	0.183	-0.084	0.128	0.009	-0.524	0.027	0.085	0.964	-0.285	-0.014	0.519
TCC	0.064	0.173	0.586	-1.124	0.000	-0.031	-0.068	-0.018	-0.138	-0.008	-0.200	0.348
PC	0.142	0.134	0.114	-0.088	0.006	0.058	-0.701	0.014	-0.647	-0.342	0.157	-0.111

Note: \*Significance at 5 per cent level; \*\*Significance at 1 per cent level; Residual effect = 0.559; 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