

Table 4 Correlation coefficients of genetic distance (GD) with F₁ performance and heterosis

Traits	Mid parent heterosis	F ₁ performance	Heterosis over Mrc6918 check	Heterosis over DCH32 check
Number of bolls per plant	-0.347	-0.181	-0.177	-0.177
Mean boll weight (g)	-0.222	-0.297	-0.290	-0.290
Seed index (g)	0.193	0.170	0.164	0.164
Ginning outturn (%)	0.237*	0.277**	0.279**	0.279**
Lint index (g)	0.227*	0.251*	0.250*	0.250*
Seed cotton yield (kg/ha)	0.226*	0.359**	0.336**	0.362**
Fibre length (mm)	0.210*	0.120	0.120	0.120
Fibre strength (g/t)	-0.179	-0.130	-0.130	-0.130
Fibre micronair value (µg/inch)	0.266**	0.241*	0.241*	0.241*
Fibre uniformity ratio %	-0.036	-0.056	-0.056	-0.056
Fibre maturity ratio	0.221*	0.141	0.148	0.148
Fibre elongation %	-0.241	-0.119	-0.118	-0.118

* Significant at P = 0.05 ** Significant at P = 0.01