

Table 4 Genotypic path matrix of seed yield in recombinant lines (F₄) of Gulyal white × Maruti cross in pigeonpea

Traits	Days to 50% flowering	Days of maturity	Plant height (cm)	No of primary branches	No of secondary branches	No. of seeds/ pod	No. of seeds/ plant	No of pods/ plant	Pod bearing length (cm)	Test weight (gm)	Corr.seed yield/ plant
Days to 50% flowering	0.2597	-0.1283	0.1356	-0.1281	-0.1424	-0.0889	-0.1235	0.1187	0.0464	-0.0783	-0.1291
Days of maturity	0.1216	0.2676	0.0596	-0.0778	0.1138	0.0738	-0.1269	0.0575	-0.1779	0.0439	0.3552**
Plant height (cm)	0.0582	0.0945	0.1407	0.0478	0.0895	0.0465	0.0453	0.0467	0.0275	-0.1276	0.4691**
No of primary branches	-0.0765	-0.1278	0.0759	0.1589	0.0769	-0.1655	-0.0866	0.0977	0.087	-0.1628	-0.1228
No of secondary branches	-0.1779	0.0585	0.0679	0.0886	0.2543	0.0457	0.1398	0.1279	-0.1459	0.1148	0.5737**
No. of seeds/pod	-0.1175	0.0627	0.1185	-0.1847	0.1548	0.2391	0.1741	0.1685	-0.0886	0.1468	0.6737**
No. of seeds/plant	-0.1725	-0.1266	0.1425	-0.1644	0.1655	0.1466	0.3501	0.1656	-0.1378	0.1945	0.5635**
No of pod/plant	0.0456	0.0349	0.0432	-0.1443	0.0732	0.0645	0.1437	0.4134	-0.0539	0.1245	0.7448**
Pod bearing length (cm)	-0.0578	-0.0339	0.1668	-0.1295	-0.0687	0.0715	-0.0956	-0.0592	0.1965	-0.0987	-0.1086
Test weight (gm)	-0.0964	0.0788	-0.1256	-0.0529	0.1245	0.1328	0.1459	0.1263	-0.0878	0.4081	0.6537**

Note: Residual effect=0.162