

Table 1 Phenotypic correlation co-efficient of seed cotton yield per plant and different quantitative characters in Line×Tester inter specific crosses

Characters	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12
X1	1.00	-0.1146	0.5141**	0.0296	-0.0346	0.2229**	0.5214**	0.4779**	0.0534	0.0017	0.0222	0.0014
X2		1.00	-0.0433	0.1383	-0.0381	-0.1000	-0.1895**	-0.1055	-0.0246	0.0270	0.0151	0.0511
X3			1.00	0.2654**	0.0631	0.1880**	0.3137**	0.2179**	0.0970	0.1053	0.1510*	0.0371
X4				1.00	0.0848	0.0838	0.0945	-0.0957	0.1939**	0.1336	0.2316**	0.0364
X5					1.00	-0.0755	-0.0802	-0.0369	0.1198	-0.0634	0.0237	0.1123*
X6						1.00	0.6418**	0.1441*	-0.0348	-0.0477	-0.0798	-0.0631
X7							1.00	0.3424**	-0.0397	-0.0573	-0.0953	-0.028
X8								1.00	-0.1896**	0.0921	-0.0523	-0.0283
X9									1.00	-0.057	0.5508**	-0.0319
X10										1.00	0.7942**	0.1339*
X11											1.00	0.102*
X12												1.00

Note: * Significant at P=0.05; ** Significant at P=0.01; X1: Plant height (cm); X2: Number of monopodia; X3: Number of sympodia; X4: Number of bolls; X5: Mean boll weight (g); X6: Reproductive points; X7: Sympodial length at 50% plant height (cm); X8: Inter branch distance (cm); X9: Seed index (g); X10: Ginning outturn (%); X11: Lint index (g); X12: Seed cotton yield (kg/ha)