

Table 2 Direct and indirect phenotypic effects of seed cotton yield and different quantitative characters in Line×Tester inter specific crosses

Char- acters	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	Phenotypic corre- lation with seed cotton yield
X1	0.0274	-0.0031	0.0141	0.0008	-0.0009	0.0061	0.0143	0.0131	0.0015	0.0000	0.0006	0.0014
X2	-0.0055	0.0480	-0.0021	0.0066	-0.0018	-0.0048	-0.0091	-0.0051	-0.0012	0.0013	0.0007	0.0511
X3	0.0053	-0.0004	0.0103	0.0027	0.0007	0.0019	0.0032	0.0022	0.0010	0.0011	0.0016	0.0371
X4	-0.0001	-0.0003	-0.0006	-0.0024	-0.0002	-0.0002	-0.0002	0.0002	-0.0005	-0.0003	-0.0005	0.0364
X5	-0.0043	-0.0047	0.0078	0.0105	0.1241	-0.0094	-0.0100	-0.0046	0.0149	-0.0079	0.0029	0.1123*
X6	-0.0153	0.0069	-0.0129	-0.0058	0.0052	-0.0687	-0.0441	-0.0099	0.0024	0.0033	0.0055	-0.0631
X7	0.0313	-0.0114	0.0189	0.0057	-0.0048	0.0386	0.0601	0.0206	-0.0024	-0.0034	-0.0057	-0.028
X8	-0.0273	0.0060	-0.0124	0.0055	0.0021	-0.0082	-0.0195	-0.0571	0.0108	-0.0053	0.0030	-0.0283
X9	-0.0247	0.0114	-0.0448	-0.0896	-0.0554	0.0161	0.0184	0.0876	-0.4620	0.0263	-0.2545	-0.0319
X10	-0.0007	-0.0116	-0.0451	-0.0572	0.0271	0.0204	0.0245	-0.0394	0.0244	-0.4280	-0.3400	0.1339*
X11	0.0153	0.0104	0.1039	0.1594	0.0163	-0.0549	-0.0656	-0.0360	0.3792	0.5468	0.6884	0.102*

Note: Residual effect=0.9754; 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)