

Table 3 Phenotypic correlation coefficients for twelve quantitative characters in single and double cross F5 populations

Characters	Populations	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12
X1	SCH	1	0.327*	-0.647**	-0.564**	0.625**	-0.571**	-0.543**	-0.387*	-0.084	-0.591**	-0.571**	-0.894**
	DCH	1	0.321	-0.533**	-0.407**	0.503**	-0.311	-0.046	0.318	0.199	0.232	-0.631**	-0.672**
X2	SCH		1	0.215	-0.086	0.103	-0.021	-0.126	-0.073	0.033	0.015	-0.199	-0.187
	DCH		1	-0.154	-0.241	-0.125	-0.013	0.0311	0.035	-0.060	0.095	-0.149	-0.134
X3	SCH			1	0.643**	-0.672**	0.641**	0.550**	0.461**	0.037	0.694**	0.753**	0.823**
	DCH			1	0.284	-0.581**	0.367*	0.133	-0.541**	-0.012	0.101	0.524**	0.781**
X4	SCH				1	-0.581**	0.693**	0.621**	0.209	-0.111	0.638**	0.629**	0.741**
	DCH				1	-0.218	0.523**	0.562**	-0.084	0.249	0.504**	0.362*	0.473**
X5	SCH					1	-0.561**	-0.469**	-0.508**	-0.0773	-0.644**	-0.761**	-0.783**
	DCH					1	-0.252	0.195	0.364*	-0.137	0.113	-0.522**	-0.511**
X6	SCH						1	0.619**	0.341	-0.0742	0.593**	0.513**	0.811**
	DCH						1	0.596**	-0.461**	0.172	0.352	-0.296	0.672**
X7	SCH							1	-0.249	0.266	0.511**	0.233	0.431**
	DCH							1	-0.249	0.266	0.511**	0.233	0.431**
X8	SCH								1	0.029	0.394*	0.441**	0.452**
	DCH								1	-0.182	-0.105	-0.241	-0.612**
X9	SCH									1	0.174	0.114	0.193
	DCH									1	-0.045	0.497**	0.229
X10	SCH										1	0.649**	0.727**
	DCH										1	0.236	0.310
X11	SCH											1	0.891**
	DCH											1	0.921**
X12	SCH												1
	DCH												1

Note: \* Significant @ 5%; \*\*Significant @ 1%; X1: Days to first flowering; X2: Days to 50 per cent flowering; X3: Plant height; X4: Number of branches per plant; X5: Internodal length; X6: Fruit weight; X7: Fruit length; X8: Fruit diameter; X9: Number of seeds per fruit; X10: 100 seed weight; X11: Number of fruits per plant; X12: Fruit yield per plant