

Table 2 Phenotypic correlation coefficients for twelve quantitative characters in single and double cross F₄ populations

Characters	Populations	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12
X1	SCH	1	0.510**	-0.512**	-0.365*	0.425**	-0.430**	-0.541**	0.205	-0.067	-0.310	-0.415**	-0.511**
	DCH	1	0.362*	-0.515**	-0.571**	0.514**	-0.361*	-0.412**	0.387*	0.441**	-0.211	-0.345*	-0.441**
X2	SCH		1	-0.208	0.225	0.033	0.085	-0.295	0.065	-0.121	0.128	-0.118	-0.091
	DCH		1	-0.120	-0.371*	-0.174	0.167	-0.252	-0.104	-0.291	-0.184	-0.312	-0.143
X3	SCH			1	0.212	-0.512**	0.541**	0.534**	-0.038	-0.141	0.421**	0.642**	0.705**
	DCH			1	0.621**	-0.611**	0.454**	0.541**	-0.507**	-0.141	0.254	0.624**	0.656**
X4	SCH				1	-0.214	0.417**	0.352*	-0.147	0.189	0.211	0.201	0.481**
	DCH				1	-0.414**	0.410**	0.457**	-0.402**	0.229	0.351*	0.447**	0.521**
X5	SCH					1	-0.421**	-0.565**	0.109	0.285	-0.119	-0.442**	-0.455**
	DCH					1	-0.425**	-0.362*	0.533**	-0.057	-0.212	-0.428**	-0.581**
X6	SCH						1	0.515**	0.113	0.132	0.242	0.429**	0.658**
	DCH						1	0.414**	-0.261	0.152	0.127	0.289	0.462**
X7	SCH							1	-0.132	0.125	0.214	0.454**	0.543**
	DCH							1	-0.211	0.089	0.161	0.392*	0.455**
X8	SCH								1	-0.202	-0.182	-0.137	-0.384*
	DCH								1	-0.201	-0.181	-0.471**	-0.542**
X9	SCH									1	0.062	0.223	0.124
	DCH									1	-0.0885	0.099	0.124
X10	SCH										1	0.484**	0.491**
	DCH										1	0.282	0.494**
X11	SCH											1	0.911**
	DCH											1	0.923**
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