

Table 2 Genotypic and phenotypic correlation coefficient between yield and yield contributing traits in brinjal

		NPB/P	NSB/P	SD	DFF	DFFr	HP	NFrI/P	NFrS/P	FL	FSL	FC	FW/Fr	F/P	Y/P
PH	G	0.655**	0.514*	0.708***	-0.067	-0.057	-0.076	0.236	-0.473*	0.577**	0.628**	-0.274	-0.034	0.109	-0.013
	P	0.471*	0.458*	0.572**	-0.004	0.077	-0.102	0.097	-0.286	0.380	0.402	-0.262	-0.041	-0.003	-0.109
NPB/P	G		0.919***	0.729***	-0.687**	-0.580**	-0.590**	0.251	0.276	0.417	0.295	0.114	0.083	0.323	0.346
	P		0.658**	0.416	-0.498*	-0.363	-0.372	0.147	0.172	0.224	0.186	0.061	0.042	0.207	0.227
NSB/P	G			0.464*	-0.509*	-0.576**	-0.163	0.285	0.381	0.295	0.386	0.074	0.157	0.381	0.508*
	P			0.343	-0.486*	-0.449*	-0.079	0.259	0.186	0.199	0.363	0.049	0.100	0.323	0.420
SD	G				-0.367	-0.236	-0.407	-0.149	0.120	0.164	0.175	0.285	0.289	-0.114	-0.009
	P				-0.236	-0.124	-0.351	-0.151	0.005	0.133	0.043	0.182	0.248	-0.147	-0.061
DFF	G					0.995***	0.589**	-0.276	-0.468*	-0.303	0.310	-0.496*	-0.403	-0.396	-0.644**
	P					0.896***	0.433	-0.256	-0.415	-0.248	0.114	-0.435	-0.323	-0.401	-0.616**
DFFr	G						0.448*	-0.344	-0.410	-0.396	0.159	-0.403	-0.410	-0.446*	-0.713***
	P						0.314	-0.353	-0.359	-0.323	0.044	-0.386	-0.347	-0.477*	-0.706***
HP	G							0.238	-0.031	-0.124	0.099	-0.562*	-0.491*	0.225	-0.128
	P							0.249	-0.037	-0.126	0.110	-0.536*	-0.481*	0.233	-0.097
NFrI/P	G								-0.072	0.510*	0.090	-0.418	-0.341	0.965***	0.474*
	P								-0.160	0.404	0.092	-0.390	-0.316	0.938***	0.482*
NFrS/P	G									-0.668**	-0.510*	0.488*	0.153	0.194	0.390
	P									-0.401	-0.299	0.407	0.134	0.193	0.377
FL	G										0.592**	-0.374	-0.011	0.326	0.184
	P										0.465*	-0.310	0.029	0.260	0.170
FSL	G											-0.573**	-0.233	-0.047	-0.187
	P											-0.449*	-0.252	-0.014	-0.149
FC	G												0.894***	-0.283	0.445*
	P												0.857***	-0.244	0.433*
FW/Fr	G													-0.296	0.514*
	P													-0.267	0.491*
F/P	G														0.568**
	P														0.612**

PH = Plant height (cm), NPB/P = No. of primary branches/plant, NSB/P = No. of secondary branches/plant, SD = Stem diameter (cm), DFF = Days to first flowering, DFFr = Days to first fruiting, HP = Harvesting period, NFrI/P = No. of fruits in inflorescence/plant, NFrS/P = No. of fruits in solitary/plant, FL = Fruit length (cm), FSL = Fruit stalk length (cm), FC = Fruit circumference(cm), FW/Fr = Fresh weight/fruit (g), F/P = Fruits/plant, Y/P = Yield/plant (g) Significance Levels (Pearson's Correlation Coefficient r (Critical Values) at d.f. (n-2) = 19 [0.05 (*), 0.01 (**), 0.001 (***)] (G = Genotypic Correlation; P = Phenotypic Correlation