

Table 1 Test of significance of A, B, C, and D scales for different characters in bitter gourd

Cross	Scales	Vine length (m)	No. of laterals/vine	Days to 1 st female flower	Node at 1 st female flower	No. of fruits/vine	Average fruit weight (g)	Fruit length (cm)	Fruit girth (cm)	Yield/vine (kg)
IC-044417× C-045339	A	0.04±	-0.29±	-3.13**±	-2.42**±	0.20 ±	-0.98±	-0.31 ±	0.80**±	-0.01±
		0.11	0.28	1.44	0.76	1.05	2.61	0.47	0.28	0.08
	B	0.41**±	-0.22±	-11.40**±	-3.96**±	6.20**±	9.35**±	1.63**±	1.42**±	0.58**±
		0.09	0.30	1.86	0.81	0.98	3.35	0.49	0.38	0.08
	C	-1.53**±	-3.53**±	3.47±	-6.20**±	-12.00**±	-34.36**±	-3.69**	-6.71**±	-1.52**±
		0.19	0.52	2.8	1.39	1.82	4.91	±1.06	0.68	0.12
	D	-0.99**±	-1.51**±	9.00**±	0.09±	-9.20**±	-21.37**±	-2.51**±	-4.46**±	-1.05**±
		0.08	0.24	1.28	0.57	0.77	1.94	0.57	0.29	0.06
	A	0.52**±	0.00±	-11.16**±	-4.22**±	5.93**±	25.72**±	3.56**±	0.65±0.39	0.95**±
		0.02	0.31	1.61	0.71	1.13	3.78	0.47		0.11
IC-045339× C-470560	B	-0.27**±	0.11±	0.29±	0.18±	2.82**±	12.61**±	4.90**±	1.10**±	0.49**±
		0.08	0.29	1.12	0.63	0.76	2.36	0.49	0.34	0.08
	C	-0.50**±	-1.00±	2.60±	4.67**±	-0.53±	-6.42±	4.93**±	6.05**±	-0.24±
		0.25	0.52	2.10	1.28	1.91	4.60	0.91	0.76	0.15
	D	-0.40**±	-0.56**±	6.73**±	4.36**±	-4.64**±	-22.37**±	-1.76**±	2.15**±	-0.84**±
		0.11	0.23	1.00	0.58	0.88	2.04	0.43	0.32	0.08

Note: * Significant at 0.05% probability; ** Significant at 0.01% probability