

Table 2 Estimates of components of generation means for different characters in bitter gourd

Character	Cross	Gene effects					
		<i>m</i>	<i>d</i>	<i>h</i>	<i>i</i>	<i>J</i>	<i>l</i>
Vine length (m)	IC-044417 × IC-045339	1.78** ±0.03	-0.08 ±0.04	2.82** ±0.17	1.98** ±0.15	-0.18** ±0.06	-2.43** ±0.26
	IC-045339 × IC-470560	2.18** ±0.05	0.11** ±0.04	1.50** ±0.23	0.81** ±0.22	0.45** ±0.04	-1.12** ±0.29
	IC-044417 × IC-470560	5.13** ±0.10	-0.27 ±0.15	3.92** ±0.52	3.02** ±0.49	-0.03 ±0.18	-2.51** ±0.79
	IC-045339 × IC-470560	6.00** ±0.09	-0.29* ±0.14	1.54** ±0.50	1.11** ±0.47	-0.06 ±0.19	-1.22 ±0.77
Days to 1 st female flower	IC-044417 × IC-045339	52.27** ±2.63	1.13 ±0.62	-19.07** ±6.62	-18.00** ±2.56	4.13** ±1.03	32.53** ±4.34
	IC-045339 × IC-470560	48.73** ±2.10	-0.96 ±0.64	-17.63** ±5.40	-13.47** ±1.20	-5.72** ±0.94	24.33** ±3.46
	IC-044417 × IC-470560	14.13** ±1.19	0.53 ±0.34	-2.08 ±2.94	-0.18 ±1.14	0.77 ±0.48	6.56** ±1.94
	IC-045339 × IC-470560	12.93** ±1.20	1.20** ±0.33	-12.11** ±2.85	-8.71** ±1.15	-2.20** ±0.44	12.76** ±1.74
No. of fruits/vine	IC-044417 × IC-045339	18.47** ±1.62	-2.00** ±0.47	24.80** ±4.00	18.40** ±1.55	-3.00** ±0.65	-24.80** ±2.53
	IC-045339 × IC-470560	21.20** ±1.82	-1.04* ±0.36	12.22** ±4.28	9.29** ±1.77	1.56** ±0.60	-18.04** ±2.68
	IC-044417 × IC-470560	59.83** ±4.22	0.98 ±1.69	53.53** ±10.59	42.73** ±3.87	-5.17** ±2.04	-51.10** ±6.69
	IC-045339 × IC-470560	61.57** ±4.34	4.65** ±1.46	53.54** ±11.47	44.74** ±4.09	6.55** ±2.09	-83.07** ±7.53
Average fruit weight (g)	IC-044417 × IC-045339	14.89** ±1.14	0.25 ±0.14	8.94** ±2.64	5.02** ±1.13	-1.00** ±0.32	-6.34** ±1.56
	IC-045339 × IC-470560	14.49** ±0.86	-1.28** ±0.15	3.58** ±2.09	3.53** ±0.85	-0.67* ±0.29	-11.99** ±1.35
	IC-044417 × IC-470560	10.55** ±0.59	1.28** ±0.12	10.62** ±1.40	8.92** ±0.58	-0.31 ±0.19	-11.14** ±0.90
	IC-045339 × IC-470560	12.69** ±0.66	-0.91** ±0.15	-2.87** ±1.53	-4.29** ±0.64	-0.23 ±0.21	2.54** ±0.97
Fruit length (cm)	IC-044417 × IC-045339	1.10** ±0.13	-0.12** ±0.03	2.76** ±0.32	2.09** ±0.12	-0.29** ±0.05	-2.67** ±0.21
	IC-045339 × IC-470560	1.30** ±0.16	0.04 ±0.03	2.04** ±0.39	1.67** ±0.15	0.23* ±0.06	-3.10** ±0.25
	IC-044417 × IC-470560	10.55** ±0.59	1.28** ±0.12	10.62** ±1.40	8.92** ±0.58	-0.31 ±0.19	-11.14** ±0.90
	IC-045339 × IC-470560	12.69** ±0.66	-0.91** ±0.15	-2.87** ±1.53	-4.29** ±0.64	-0.23 ±0.21	2.54** ±0.97
Fruit girth (cm)	IC-044417 × IC-045339	1.10** ±0.13	-0.12** ±0.03	2.76** ±0.32	2.09** ±0.12	-0.29** ±0.05	-2.67** ±0.21
	IC-045339 × IC-470560	1.30** ±0.16	0.04 ±0.03	2.04** ±0.39	1.67** ±0.15	0.23* ±0.06	-3.10** ±0.25
	IC-044417 × IC-470560	10.55** ±0.59	1.28** ±0.12	10.62** ±1.40	8.92** ±0.58	-0.31 ±0.19	-11.14** ±0.90
	IC-045339 × IC-470560	12.69** ±0.66	-0.91** ±0.15	-2.87** ±1.53	-4.29** ±0.64	-0.23 ±0.21	2.54** ±0.97
Yield/vine (kg)	IC-044417 × IC-045339	1.10** ±0.13	-0.12** ±0.03	2.76** ±0.32	2.09** ±0.12	-0.29** ±0.05	-2.67** ±0.21
	IC-045339 × IC-470560	1.30** ±0.16	0.04 ±0.03	2.04** ±0.39	1.67** ±0.15	0.23* ±0.06	-3.10** ±0.25
	IC-044417 × IC-470560	10.55** ±0.59	1.28** ±0.12	10.62** ±1.40	8.92** ±0.58	-0.31 ±0.19	-11.14** ±0.90
	IC-045339 × IC-470560	12.69** ±0.66	-0.91** ±0.15	-2.87** ±1.53	-4.29** ±0.64	-0.23 ±0.21	2.54** ±0.97

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