

Table 1 Statistics of agronomic traits variance of Yuexiangzhan and the BC<sub>3</sub>F<sub>1</sub> families

Trait Abbv.	Unit	Yuexiangzhan <i>O.sativa</i>	BC <sub>3</sub> F <sub>1</sub> families				
			Mean	Min.	Max.	Max.	C.V
1000-GW**	g	19.1	18.53	15	27.2	27.2	8.22
GN*	score	125	129.78	38.01	209.75	209.75	22.05
GNP**	score	1462.5	1772.73	460.56	5995.4	5995.4	32.32
SN**	score	139.6	177.41	81.88	312.21	312.21	19.22
SNP**	score	1633.3	2348.13	942.23	7745.1	7745.1	30.22
SSP**	percent	89.5	75.35	47.51	91.28	91.28	10.06
PPN**	score	11.7	13.22	8.5	27	27	20.66
SD**	cm	6.31	7.95	3.23	14.87	14.87	18.63
GY**	g	2.32	2.39	0.88	4.03	4.03	23
GYP*	g	27.14	31.53	11.17	83.53	83.53	29.99

Abbreviation of trait: 1000-GW: 1000-grain weight, GN: grain number per panicle, GNP: grain number per plant, SN: spikelet number per panicle, SNP: spikelet number per plant, SSP: seed set percentage, PPN: productive panicle number, SD: spikelet density, GY: grain yield per panicle, GYP: grain yield per plant; Marked with one asterisk \* means significance at P<0.01 level; two asterisk\*\* means significance at P<0.001 level