

Table 5 Mean values of agronomic traits for selected BC₃F₁ families

Family	PL	1000-GW	GN	PSS	PPN	SD	GL	DTH	PH	TN	GNP	SN	SNP	GYP	GY	GW	LW
G3306	29.0	18.40	168.15	71.52	24.0	8.20	8.40	64	136.00	27.00	4590	237.70	6418	83.54	3.09	2.33	3.61
G3345	27.0	27.20	138.01	78.88	10.8	8.07	8.60	65	81.22	17.70	1460	187.24	1942	38.43	2.34	2.38	3.61
G3165	27.1	20.20	153.27	70.53	12.4	8.23	8.61	61	101.40	13.50	1950	223.04	2765	38.39	3.10	2.38	3.62
G3314	26.7	18.60	199.14	84.42	15.3	8.97	8.30	59	121.00	17.00	3236	239.60	3833	59.25	3.70	2.35	3.53
G3206	25.0	20.80	147.31	80.20	13.1	7.54	8.97	61	90.90	14.80	1979	188.44	2468	40.14	3.06	2.40	3.74
G3162	26.0	19.80	165.15	77.41	14.1	8.27	8.40	77	105.00	51.00	5995	215.14	7745	45.78	3.27	2.40	3.50
G3269	25.0	24.20	147.70	75.86	14.7	7.97	8.43	78	153.20	15.60	2221	199.18	2928	52.54	3.57	2.66	3.18
G3341	25.6	19.89	170.85	80.11	14.2	8.48	8.58	57	102.56	18.10	2476	214.99	3053	48.25	3.40	2.42	3.55
G3170	22.2	21.80	146.06	74.12	11.7	9.14	8.54	63	102.80	14.17	1759	202.83	2373	37.25	3.18	2.51	3.40
G3288	26.5	20.20	154.42	77.42	11.8	7.72	9.24	66	99.78	14.00	1872	204.94	2418	36.81	3.12	2.26	4.09
G3231	23.3	21.40	151.96	79.57	11.7	8.43	9.18	71	90.60	15.80	1828	196.36	2297	38.05	3.25	2.49	3.69
G3315	23.6	19.80	109.60	72.84	19.9	6.52	9.11	65	83.70	21.10	2231	153.91	3063	43.18	2.17	2.44	3.73
G3197	26.0	21.40	188.32	91.28	13.3	8.09	8.66	65	103.10	14.56	2555	210.44	2799	53.60	4.03	2.41	3.59
G3346	20.8	21.20	157.67	82.84	14.3	9.35	8.91	69	106.20	17.90	2305	194.55	2782	47.80	3.34	2.39	3.73
G3196	22.2	20.60	128.06	89.96	10.1	6.65	8.66	59	88.22	11.50	1343	147.85	1493	26.64	2.64	2.38	3.64
G3239	19.8	18.80	116.70	89.59	19.3	6.72	8.51	56	77.50	20.80	2302	133.15	2570	42.34	2.19	2.45	3.47
G3245	23.1	20.80	161.54	76.70	12.9	9.33	8.72	65	99.00	16.10	2134	215.66	2782	43.34	3.36	2.44	3.57
Mean																	
Selected BC ₃ F ₁	24.6	20.89	153.17	79.60	14.3	8.10	8.70	65	102.48	18.86	2484	197.94	3160	45.61	3.12	2.47	3.60
Yuexiang Zhan	22.1	19.10	125.00	89.50	11.7	6.31	8.00	63	96.14	18.17	1463	139.60	1633	27.14	2.32	2.35	3.40

Note: Abbreviations: DTH days to heading; PH plant height; PL panicle length; TN tiller number per plant; GL grain length; GW grain width; LW grain length/grain width; 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; PSS percentage seed set; PPN productive panicle number; SD Spikelet density; GY grain yield per panicle; GYP grain yield per plant