

表 1 组合 I 定向选择后代表型性状分析

Table 1 Analysis on property of directional selection progeny in combination I

性状 Property	组合 I Combination I							
	直链淀粉含量选择后代 Amylose content progeny				蛋白质含量选择后代 Protein content progeny			
	变幅 Range	平均值 Mean	变异系数 (%) CV(%)	F 值 F value	变幅 Range	平均值 Mean	变异系数 (%) CV(%)	F 值 F value
直链淀粉含量(%) Amylose content(%)	9.0~19.3	14.8	25.9	42.17**	15.35~21.22	17.71	9.85	6.61**
蛋白质含量(%) Protein content(%)	6.78~8.85	7.95	7.6	16.8**	9.37~12.67	10.8	10.0	5.8**
食味值 Taste meter value	34~63	47.2	16.8	16.1**	42~62	50.3	14.5	14.4**
最高粘度 Peak viscosity	245.9~337.4	279.9	10.5	176.51**	152.2~317.7	218.6	21.9	443.1**
最低粘度 Through viscosity	154.1~198.4	179.9	7.6	93.26**	173.0~252.0	192.6	15.9	27.3**
最终粘度 Final viscosity	221.4~337.6	291.1	13.9	786.59**	232.9~360.3	291.3	13.6	22.6**
下降粘度值 Breakdown viscosity	65.1~169.7	100.1	31.9	644.16**	79.1~215.7	126.5	34.9	42.9**
粘滞峰消减值 Setback viscosity	-116~80.5	11.1	525.6	602.32**	-107.4~13.9	-27.8	134.3	14.2**
回冷粘滞性恢复值 Recovery value of glutinousness	53.8~145.5	111.2	26.1	852.98**	82.5~108.3	95.3	9.3	2.1
糊化开始温度(℃) Gelatinization start temperature(℃)	52.9~63	60.4	5.0	11.61**	64.9~71.1	69.4	6.8	61.8**
每株穗数 Ears a plant	4.33~15.33	8.76	33.5	5.27*	5.3~8.7	6.7	15.3	2.26
每穗粒数 Grains a ear	24~152	95	48.3	31.19**	43.3~131	87.2	28.7	6.70*
结实率(%) Seed set propagation coefficient(%)	77.19~94.13	85.62	10.3	4.80*	49.8~92.9	77.4	18.2	3.48*
千粒重(克) 1 000-seed weight(g)	18.11~31.09	24.60	19.4	15.9**	23.0~30.5	26.7	10.2	10.8**
单株粒重(克) Grain weight(g)	6.45~26.83	17.99	39.0	11.4**	9.0~23.1	15.5	33.3	4.41**

注: \*\*表示 1% 的显著水平, \*表示 5% 的显著水平, 表 2 同表 1

Note: \*\*indicate significance at 1% level, \* indicate significance at 5% level