Table S1. Market yield GCA and SCA effects for Set 1 and 2.

Set 1								
	4	**5**	**6**	**7**	**8**	**11**	**13**	**20**
4	-0.01343174	-0.032512267	0.05798099	0.01555957	-0.11011693	-0.14525772	0.23344659	0.075650301
5		0.000970195	-0.06183123	0.03871956	-0.05572399	0.20122925	0.08296120	-0.082867014
6			-0.05361276	0.03238161	0.06430393	-0.17818780	0.03859035	0.006245872
7				-0.06984518	-0.04438179	-0.09443829	0.14055987	-0.054551644
8					-0.02575845	0.46420786	-0.08790360	-0.008805054
11						0.06016011	-0.16336972	-0.207595399
13							0.09859477	0.047529236
8								0.002923045
Set 2								
	1	**3**	**6**	**10**	**12**	**13**	**20**	
1	-0.02525358	-0.05132639	-0.02832862	0.0003331554	0.24801154	-0.004431514	0.06229845	
3		-0.01966922	0.03057423	0.0076975880	0.07597847	0.154294382	-0.08714052	
6			-0.12330797	0.0508192068	-0.04483147	-0.007187389	-0.04133082	
10				-0.0650637996	0.11562953	-0.173644369	0.23522849	
12					0.17804416	0.551371836	-0.15766445	
13						0.074561589	-0.04570949	
20							-0.01931118	

Table S2. Genetic distances (Dice) between parental accessions from SRAP markers analysis (See codes in Table 1).

	1	3	4	5	6	7	8	10	11	12	13
3	0.51										
4	0.51	0.44									
5	0.55	0.53	0.49								
6	0.59	0.58	0.56	0.55							
7	0.60	0.64	0.57	0.59	0.38						
8	0.65	0.65	0.67	0.66	0.60	0.62					
10	0.69	0.71	0.72	0.72	0.62	0.66	0.57				
11	0.74	0.74	0.75	0.74	0.65	0.69	0.57	0.45			
12	0.71	0.74	0.73	0.74	0.72	0.73	0.66	0.64	0.64		
13	0.71	0.73	0.73	0.73	0.67	0.70	0.61	0.52	0.55	0.53	
20	0.75	0.77	0.77	0.76	0.76	0.82	0.75	0.73	0.71	0.67	0.67