

BC ₁ F ₂ plant	1BS markers									1PS markers						1PS introgression
	Xgwm11	Xgwm273	Xgwm413	Xwmc619	Xwmc230	Xwmc406	Xwmc798	GluB3a	Xpsp-3000 (Gli-B1)	AgC69174	AgC5870	AgC29588	AgC64023	AgC26797	AgC27774	
1	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
2	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+	Yes, RECOMBINANT type 1
3	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
4	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
5	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
7	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
8	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
9	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
10	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
11	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
12	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
15	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
20	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
22	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
23	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
25	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
27	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
28	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
29	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
30	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
33	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	No
34	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)
35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)
37	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	Yes (2T-1PS-1BL)

Table S3: Cont.

BC ₁ F ₂ plant	1BS markers										1PS markers						1PS introgression
	<i>Xgwm11</i>	<i>Xgwm273</i>	<i>Xgwm413</i>	<i>Xwmc619</i>	<i>Xwmc230</i>	<i>Xwmc406</i>	<i>Xwmc798</i>	<i>GluB3a</i>	<i>Xpwp-3000 (Gli-B1)</i>	<i>AgC69174</i>	<i>AgC5870</i>	<i>AgC29588</i>	<i>AgC64023</i>	<i>AgC26797</i>	<i>AgC27774</i>		
38	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
42	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
43	-	-	-	-	-	-	-	+	+	+	+	+	+	+	Yes, RECOMBINANT type 2		
44	-	-	-	-	-	-	-	-	-	+	+	+	+	+	Yes (2T-1PS-1BL)		
45	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
46	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
47	-	-	-	-	-	-	-	-	-	+	+	+	+	+	Yes (2T-1PS-1BL)		
48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
50	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
52	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
55	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
56	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
58	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
59	-	-	-	-	-	-	-	-	-	+	+	+	+	+	Yes (2T-1PS-1BL)		
60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
61	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
62	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
63	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
64	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
66	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
67	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
68	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
69	+	+	+	+	+	+	+	+	+	-	-	-	-	-	No		
70	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
72	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Yes (1T-1PS-1BL)		
74	-	-	-	-	-	-	-	-	-	+	+	+	+	+	Yes (2T-1PS-1BL)		

Table S3: Cont.

[illegible]