

Table S3. Monokaryons and the fruiting body color of backcross population

Monokaryotic strain number of mapping population	Backcrossed with ACW001-33	Backcrossed with ACP004-33	Color of fruiting body
1	+	—	P
2	+	—	W
3	+	—	W
4	+	—	W
5	—	+	P
6	+	—	P
7	—	+	P
8	—	+	P
9	—	+	P
10	—	+	P
12	—	+	P
13	—	+	P
14	—	+	P
15	—	+	P
17	+	—	W
18	—	+	P
19	+	—	P
21	+	—	W
22	+	—	W
23	+	—	W
26	—	+	P
27	—	+	P
30	—	+	P
31	—	+	P
32	—	+	P
34	+	—	W
35	—	+	P
36	—	+	P
37	+	—	W
38	—	+	P
39	—	+	P
40	+	—	W
41	—	+	P
42	—	+	P
43	—	+	P
45	—	+	P
46	—	+	P
47	+	—	W
48	—	+	P
49	—	+	P
50	+	—	W
51	—	+	P
52	+	—	W
53	—	+	P

54	+	—	W
55	—	+	P
56	—	+	P
57	—	+	P
58	—	+	P
59	—	+	P
60	—	+	P
61	+	—	P
62	+	—	W
63	+	—	P
65	+	—	P
66	—	+	P
67	—	+	P
68	+	—	W
69	—	+	P
71	—	+	P
72	+	—	W
73	—	+	P
74	—	+	P
76	—	+	P
77	—	+	P
79	—	+	P
80	+	—	W
81	—	+	P
82	—	+	P
83	—	+	P
84	—	+	P
85	—	+	P
86	—	+	P
87	—	+	P
88	+	—	P
89	+	—	W
91	—	+	P
92	—	+	P
93	+	—	W
94	+	—	W
95	+	—	P
96	+	—	W
97	+	—	W
98	—	+	P
99	+	—	W
100	+	—	W
101	—	+	P

* “P” represents the color of the fruiting body is purple. “W” represents the color of the fruiting body is white.