

Supplementary Table 3. Tumor formation on rose cultivars after inoculation with *Agrobacterium tumefaciens* strain RC12 after inoculation

No.	Cultivar	No. of tumors	Tumor formation (%)	The first day of tumor formation (day)	The last day of tumor formation (day)
1	11-305	0	0.0	-	-
2	12-376	6	18.8	19	43
3	13-251	3	12.0	16	28
4	A-Pink	0	0.0	-	-
5	G12-46	9	22.5	15	33
6	G13-194	1	3.1	19	-
7	G13-335	14	21.9	26	43
8	S-Pink	0	0.0	-	-
9	Green Beauty	3	6.3	16	28
10	Green Star	0	0.0	-	-
11	Deep Silver	18	30.0	14	28
12	Deep Purple	3	6.8	23	25
12-2 ^a	Deep Purple	2	4.3	13	21
12-3 ^b	Deep Purple	2	5.6	12	-
13	Rock Fire	2	5.6	21	-
13-2 ^a	Rock Fire	0	0.0	-	-
13-3 ^b	Rock Fire	1	6.7	12	-
14	Love Letter	7	19.4	25	29
15	Redliner	0	0.0	-	-
16	Redbi	3	25.0	18	20
16-2 ^a	Redbi	1	7.1	15	-
17	Red Square	0	0.0	-	-
18	Redwing	0	0.0	-	-
19	Red Pocket	1	3.3	36	-
19-2 ^a	Red Pocket	0	0.0	-	-
19-3 ^b	Red Pocket	1	1.7	28	-
20	Red Fit	0	0.0	-	-
21	Rich	0	0.0	-	-
22	Missha	0	0.0	-	-
23	Mystic Blue	2	5.3	24	-
24	Violetta	1	3.4	21	-
25	Bobos	22	45.8	23	25
25-2 ^a	Bobos	3	6.4	15	21
25-3 ^b	Bobos	10	25.6	14	17
26	Brocante ^c	0	0.0	-	-
27	Blondy	1	2.9	31	-
28	Beast	2	6.3	31	37
29	Sharbet	1	3.1	38	-
30	Show Girl	0	0.0	-	-
30-2 ^a	Show Girl	1	1.9	15	-

30-3 ^b	Show Girl	2	13.3	13	-
31	Show Flow ^c	3	7.5	11	12
32	Sugar Ball	0	0.0	-	-
32-2 ^a	Sugar Ball	0	0.0	-	-
32-3 ^b	Sugar Ball	0	0.0	-	-
33	Swai	0	0.0	-	-
34	Sweet Skin	0	0.0	-	-
35	Silver Shadow	0	0.0	-	-
36	Ice Bear	4	11.1	18	23
37	Ice Wing	1	2.6	26	-
38	Ever Spring	0	0.0	-	-
39	Antique Curl	3	13.0	18	30
40	Yellow Sun	1	3.3	20	-
41	Yellow Eye	0	0.0	-	-
42	Yellow Pop	0	0.0	-	-
43	Orange Eye	1	2.7	24	-
44	Ocean Song ^c	1	1.6	29	-
45	Wedding March	3	5.8	20	21
46	Wedding Cake	4	11.8	18	44
47	Jinii	12	30.8	21	37
48	Candy Party	1	3.1	29	-
49	Coral Natural ^c	0	0.0	-	-
50	Fascinar	0	0.0	-	-
51	Fuego ^c	1	2.4	26	-
52	Peach Valley	3	7.5	26	35
53	Feel Lip	6	16.7	20	40
54	Pink Baby	4	11.4	15	28
55	Pink Beauty	0	0.0	-	-
56	Pink Shine	11	31.4	20	26
57	Pink Yar	0	0.0	-	-
58	Pink Condor	0	0.0	-	-
59	Pink Fire	0	0.0	-	-
60	Pink Pop	6	30.0	23	27
61	Pink Heart	2	4.5	18	21
61-2 ^a	Pink Heart	0	0.0	-	-
61-3 ^b	Pink Heart	1	2.2	33	-
62	Henney Leon	1	2.4	26	-
63	Hera ^a	3	4.2	19	22
64	White Beauty	13	32.5	20	34
64-2 ^a	White Beauty	1	3.8	27	-
64-3 ^b	White Beauty	7	14.3	14	32
	Average		11.2	21.1	28.6

^aRose cultivars which had been cultured *in vitro* in the second experiment were inoculated with *A. tumefaciens* strain RC12.

^bRose cultivars which had been cultured *in vitro* in the third experiment were inoculated with *A. tumefaciens* strain RC12.

^cForeign cultivar.