

Table S1 Evaluation of the natural incidence and resistance of 100 *G. hybrida* germplasm

NO.	Cultivars	Origin	Incidence Rate (%)	Disease index	Resistance level
76	Giant Orange BC	the Netherlands	88.3	78.75	S
81	JQ-08	Fujian, China	83.3	77.5	S
82	JQ-23	Fujian, China	85	77.08	S
29	Midi Lavender BC	the Netherlands	90	75.42	S
14	Giant Coral	the Netherlands	78.3	75	S
55	Micro Pink	the Netherlands	76.7	75	S
89	JQ-04	Fujian, China	85	74.17	S
96	JQ-02	Fujian, China	73.3	72.5	S
15	Giant Red	the Netherlands	73.3	72.08	S
77	Giant White	the Netherlands	81.7	71.67	S
93	JQ-22	Fujian, China	76.7	70.83	S
58	Micro Red	the Netherlands	80	70	S
99	JQ-13	Fujian, China	75	69.17	S
16	Midi dark purple	the Netherlands	73.3	68.33	S
95	JQ-01	Fujian, China	73.3	67.92	S
6	MAXI Eyecatcher Red	the Netherlands	70	67.5	S
87	JQ-06	Fujian, China	68.3	67.08	S
94	JQ-16	Fujian, China	68.3	66.25	S
83	JQ-03	Fujian, China	73.3	65.42	S
5	MAXI Yellow	the Netherlands	68.3	64.58	S
78	JQ-14	Fujian, China	66.7	63.33	S
90	JQ-11	Fujian, China	68.3	62.92	S
100	JQ-19	Fujian, China	65	62.92	S
2	MAXI Lilac	the Netherlands	68.3	62.5	S
8	MAXI Fireball	the Netherlands	68.3	62.5	S
28	Midi Eyecatcher Red BC	the Netherlands	61.7	61.25	S
62	Micro Orange BC	the Netherlands	61.7	61.25	S
91	JQ-20	Fujian, China	63.3	61.25	S
74	Maxi Pink BC	the Netherlands	65	60.83	S
97	JQ-05	Fujian, China	60	57.08	MS
10	MAXI Eyecatcher Pueple	the Netherlands	58.3	56.67	MS
26	Midi Eyecatcher Dark purple BC	the Netherlands	61.7	55.42	MS
19	Midi Pink	the Netherlands	58.4	55.4	MS
57	Micro Yellow	the Netherlands	56.7	55	MS
37	Midi Fireball BC	the Netherlands	60	53.33	MS
70	Maxi Lilac BC	the Netherlands	58.3	51.67	MS
84	DGM-04	Fujian, China	55	51.67	MS
80	JQ-10	Fujian, China	50	47.5	MR
98	JQ-09	Fujian, China	48.3	46.67	MR
86	JQ-17	Fujian, China	50	45.42	MR
48	Mini Eyecathcher Hot Pink BC	the Netherlands	48.3	45	MR
11	Giant Yellow	the Netherlands	45	44.17	MR
54	Micro Orange	the Netherlands	45	43.75	MR

67	Maxi Purple	the Netherlands	43.3	42.92	MR
4	MAXI Red	the Netherlands	46.7	42.5	MR
44	Mini White	the Netherlands	43.3	42.5	MR
7	SUNGAYZ MAX IMIX	the Netherlands	46.7	41.25	MR
88	JQ-18	Fujian, China	43.3	41.25	MR
60	Micro Yellow BC	the Netherlands	38.3	38.33	R
59	Micro Red BC	the Netherlands	41.7	37.5	R
46	Mini Pink	the Netherlands	36.7	35.83	R
49	Mini Lilac BC	the Netherlands	36.7	35.42	R
39	Mini Lilac	the Netherlands	36.7	34.58	R
56	Micro White	the Netherlands	33.3	33.33	R
68	Maxi Red BC	the Netherlands	33.3	33.33	R
75	Giant Coral BC	the Netherlands	33.3	33.33	R
61	Micro Lilac BC	the Netherlands	36.7	32.08	R
69	Maxi White BC	the Netherlands	33.3	32.08	R
22	Midi White	the Netherlands	33.3	31.67	R
41	Mini Hot Pink	the Netherlands	35.	31.67	R
52	Mini White BC	the Netherlands	33.3	31.67	R
66	Maxi White	the Netherlands	31.7	31.67	R
71	Maxi Light Pink BC	the Netherlands	31.7	31.67	R
42	Mini Red	the Netherlands	31.7	30.83	R
65	Maxi Dark purple	the Netherlands	31.7	30.83	R
25	Midi Dark Fireball BC	the Netherlands	31.7	30.42	R
31	Midi Lilac BC	the Netherlands	31.7	30.42	R
40	Mini Orange	the Netherlands	31.7	30	R
73	Maxi Orange BC	the Netherlands	30	27.92	R
1	MAXI Orange	the Netherlands	35	27.5	R
13	Giant Pink	the Netherlands	28.3	26.25	R
17	Midi Lilac	the Netherlands	26.7	25.83	R
64	Maxi Coral	the Netherlands	26.7	25	R
18	Midi Orange	the Netherlands	28.3	24.58	R
3	MAXI Pink	the Netherlands	25	22.92	R
34	Midi Yellow BC	the Netherlands	23.3	22.92	R
45	Mini Eyecatcher Red BC	the Netherlands	23.3	22.92	R
43	Mini Yellow	the Netherlands	26.7	22.5	R
38	Mini Dark purple BC	the Netherlands	23.3	22.08	R
35	Midi Monet BC	the Netherlands	26.7	21.67	R
23	Midi White BC	the Netherlands	23.3	21.25	R
50	Mini Pink BC	the Netherlands	21.7	21.25	R
33	Midi Orange BC	the Netherlands	21.7	20.83	R