

**Differential interactions of the reference isolates with the differential hosts.** Unlike the differential *Malus* hosts carrying a single specific resistance gene or QTL, which can be readily selected from germplasm or created through breeding, isolates that lack a single avirulence gene complementary to the resistance gene/QTL of interest will generally not be available. Most isolates will lack multiple avirulence genes, although in some cases a pathotype that overcomes a specific resistance gene can be selected from *V. inaequalis* crosses when available.

**Description of the host-pathogen interactions after inoculation of 23 isolates of *Venturia inaequalis* on susceptible host h(0) and 14 apple differential hosts (Caffier et al. 2015, Plant Disease / Vol. 99 No. 3: 370-375).** <http://dx.doi.org/10.1094/PDIS-07-14-0708-RE>

Isolate	h(0)			h(1)		h(2)		h(3)	h(4)		h(5)	h(6)		h(7)	h(8)	h(9)	h(10)		h(12)	h(13)	h(14)		h(15)
	F <sup>a</sup>	S	N	F	S	F	F	N	F	F	N	F	F	S	N	S	S	S	F	S	S		
104	+ <sup>b</sup>	+	na <sup>d</sup>	+	+	-	-	na	-	-	na	-	-	-	na	-	-	-	-	-	-	-	-
147	+	+	na	-	-	-	-	na	-	+	na	-	+	-	na	-	-	-	-	-	-	-	-
174	+	- <sup>c</sup>	(+)	+	(+)	-	-	-	-	(+)	-	-	+	+	-	(+)	-	+	-	-	-	-	-
301	+	+	na	+	+	-	na	na	-	-	na	-	-	-	na	-	-	-	-	-	-	-	-
302	+	+	na	+	+	-	na	na	-	-	na	+	-	-	na	-	-	-	-	-	-	-	-
405	+	+	na	+	+	-	-	na	(+)	-	na	-	-	-	na	-	-	-	-	-	-	-	-
413	+	+	na	+	na	+	na	na	-	-	na	-	-	-	na	+	-	-	na	-	-	-	-
1066c	+	(+)	+	-	-	-	-	-	-	-	-	+	+	+	-	(+)	-	(-)	-	-	-	-	-
1127	+	+	na	-	-	-	-	na	-	-	na	+	+	+	na	(+)	-	na	-	-	-	-	-
1634	+	+	na	+	+	-	-	na	(+)	-	na	-	-	-	na	-	-	-	-	-	-	-	-
1638	+	+	na	+	+	-	-	na	(+)	-	na	-	-	-	na	-	-	-	-	-	-	-	-
1639	+	+	+	+	+	+	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
1680	+	+	na	+	+	-	-	na	-	-	na	+	+	na	na	-	-	-	-	-	-	-	-
2199	+	+	na	+	+	-	-	na	-	-	na	+	-	-	na	-	-	-	-	-	-	-	-
2408	+	+	+	+	+	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-
2409	+	+	+	+	+	-	-	-	na	-	-	-	+	-	-	-	-	-	-	-	-	-	-
2410	(+)	- <sup>c</sup>	na	na	-	-	na	na	-	-	na	-	-	-	na	-	-	-	-	-	-	-	-
EU-B04	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-
EU-B05	+	+	+	+	+	-	na	-	-	-	-	-	na	-	-	-	-	-	-	-	-	-	-
EU-D42a	+	+	+	+	+	-	-	-	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-
EU-NL05	+	(+)	+	-	-	-	-	-	-	-	-	+	+	+	-	(+)	-	(+)	-	-	-	-	-
EU-NL19	+	+	+	+	+	-	na	-	-	-	-	-	na	-	-	+	-	-	-	-	-	-	-
EU-NL24	+	+	+	+	na	na	na	+	na	na	-	+	+	-	-	-	-	-	-	-	-	na	-

<sup>a</sup> Location where the experiment was done: F = France, S = Switzerland, N = The Netherlands, with the inoculation technique: spraying (in white columns) or droplets (in gray columns).

<sup>b</sup> +: Compatible/susceptible, -: incompatible/resistant; (-): moderately resistant (considered as an incompatible reaction); (+): moderately susceptible (considered as a compatible reaction).

<sup>c</sup> See Figure 1.

<sup>d</sup> Not assessed.