




Supplementary material

Table S1. Treatments used in olfactometry assays. Statistical results regarding olfactometry assays are shown.

n	Treatment	Melon cv.	Virus infection	Aphids infestation	Sex	Election	No election	chi2	df	p value
1	Control Healthy C311 Vs. Healthy Bazán	C311 and Bazán	no	no	males	26	35	0.15	1	0.694
2					females	28	36	0	1	1
3	Air Vs. Healthy Bazán	Bazán	yes	no	males	26	34	0.15	1	0.694
4					females	49	66	0.02	1	0.886
5	CMV Air Vs. CMV	Bazán	yes	no	males	25	32	0.04	1	0.815
6					females	29	37	5.82	1	0.015
7	Mock Vs. CMV	Bazán	yes	no	males	20	26	0.2	1	0.654
8					females	14	50	0.61	1	0.434
9	CABYV Air Vs. CABYV	Bazán	yes	no	males	21	28	1.19	1	0.275
10					females	21	24	0.42	1	0.512
11	Mock Vs. CABYV	Bazán	yes	no	males	24	24	0.04	1	0.827
12					females	22	24	0.18	1	0.669
13	Mixed Air Vs. mixed	Bazán	yes	no	males	23	26	0.39	1	0.531
14					females	29	33	12.44	1	0.0004
15	Mock Vs. mixed	Bazán	yes	no	males	26	32	0.15	1	0.694
16					females	23	32	0.39	1	0.531
17	Control Air Vs. Healthy C311	C311	yes	no	males	23	28	1.08	1	0.297
18					females	20	25	3.2	1	0.07
19	CMV Air Vs. CMV	C311	yes	no	males	21	25	5.76	1	0.016
20					females	21	25	0.81	1	0.369
21	Mock Vs. CMV	C311	yes	no	males	21	25	1.19	1	0.275
22					females	22	31	1.63	1	0.2
23	CABYV Air Vs. CABYV	C311	yes	no	males	21	21	0.42	1	0.512
24					females	20	22	0.2	1	0.654
25	Mock Vs. CABYV	C311	yes	no	males	20	25	0	1	1
26					females	27	31	0.9	1	0.335
27	Mixed Air Vs. mixed	C311	yes	no	males	23	33	0.04	1	0.834
28					females	22	30	0.18	1	0.669
29	Mock Vs. mixed	C311	yes	no	males	20	26	0.2	1	0.6547
30					females	22	26	0.18	1	0.669
31	Control Healthy C311 Vs. Healthy Bazán	C311 and Bazán	no	yes	females	31	40	5.45	1	0.02
32	Air Vs. Healthy Bazán	Bazán	yes	yes	males	30	44	1.2	1	0.273
33					females	30	38	6.53	1	0.01
34	Healthy + aphids Vs. Healthy Bazán	Bazán	yes	yes	females	31	40	7.25	1	0.007
35	CMV Air Vs. CMV	Bazán	yes	yes	females	31	40	0.81	1	0.369
36	Mock Vs. CMV	Bazán	yes	yes	females	30	40	0.53	1	0.465
37	CABYV Air Vs. CABYV	Bazán	yes	yes	females	33	40	1.48	1	0.223
38	Mock Vs. CABYV	Bazán	yes	yes	females	48	60	8.02	1	0.004
39	CABYV + aphids Vs. CABYV	Bazán	yes	yes	females	32	40	0.12	1	0.723
40	Mixed Air Vs. mixed	Bazán	yes	yes	females	31	40	0.03	1	0.857
41	Mock Vs. mixed	Bazán	yes	yes	females	30	40	0.13	1	0.715
42	Control Air Vs. Healthy C311	C311	yes	yes	males	32	44	1.12	1	0.288
43					females	34	40	11.76	1	0.0006
44	Healthy + aphids Vs. Healthy C311	C311	yes	no	females	48	57	3	1	0.08
45	CMV Air Vs. CMV	C311	yes	yes	females	36	40	5.44	1	0.01
46	Mock Vs. CMV	C311	yes	yes	females	39	49	3.1	1	0.007
47	CABYV Air Vs. CABYV	C311	yes	yes	females	42	50	6.09	1	0.013
48	Mock Vs. CABYV	C311	yes	yes	females	40	50	0.9	1	0.342
49	CABYV c311 Vs. CABYV Bazán	C311 and Bazán	yes	yes	females	33	41	0.87	1	0.601
50	CABYV + aphids Vs. CABYV	C311	yes	yes	females	31	56	0.03	1	0.857
51	Mixed Air Vs. mixed	C311	yes	yes	females	42	50	6.09	1	0.013
52	Mock Vs. mixed	C311	yes	yes	females	40	50	0.9	1	0.342

Figure S1. Treatment photos used in olfactometry assays using both varieties of melon.

Cv. Bazán, treatment: Mock (left) Vs. CMV (right)	
	
Cv. Bazán, treatment: Mock (left) Vs. CABYV (right)	
	
Cv. Bazán, treatment: Mock (left) Vs. Mix (right)	
	
C311, treatment: Mock (left) Vs. CMV (right)	



C311, treatment: Mock (left) Vs. CABYV (right)



C311, treatment: Mock (left) Vs. Mix (right)



Healthy cv. Bazán Vs. healthy C311

Aphidius colemani behavior Changes Depending on Volatile Organic Compounds Emitted by Plants Infected with Viruses with Different Modes of Transmission. Clemente-Orta, G., Cabello, A., Garzo, E., Moreno, A., Fereres, A.

