





### Appendix B. Number of both CLAs and CTV positive sweet orange seedlings with time course

**a**, trees were co-inoculated with any two of CTV-B2, CTV-B6 and CLas-B232 simultaneously; **b**, trees were pre-inoculated with CLas-B232, and 12 weeks later CTV-B2 and CTV-B6 were inoculated separately, plus 10 replicates inoculated with both CTV-B2 and CTV-B6; **B2/B232 (+)**, trees are both CTV-B2 and CLas-B232 positive; **B6/B232 (+)**, trees are both CTV-B6 and CLas-B232 positive; **B2/B6 (+)**, trees are both CTV-B2 and CTV-B6 positive; arrow, CTV-B2 and/or CTV-B6 were inoculated.

**Appendix C.** Fisher's exact test to evaluate the presence of CTV-B2 or CLas-B232 on the subsequent establishment of the other

**Group \* result Crosstabulation**

		result		Total
		B2/232 CLas(+)	B2/232 CLas (-)	
Group I	Count	3	7	10
	Expected Count	6.0	4.0	10.0
Group II	Count	9	1	10
	Expected Count	6.0	4.0	10.0
Total	Count	12	8	20
	Expected Count	12.0	8.0	20.0

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	7.500 <sup>a</sup>	1	.006		
Continuity Correction <sup>b</sup>	5.208	1	.022		
Likelihood Ratio	8.202	1	.004		
Fisher's Exact Test				<b>.020</b>	.010
Linear-by-Linear Association	7.125	1	.008		
N of Valid Cases <sup>b</sup>	20				

**Group \* result Crosstabulation**

		Result		Total
		B2/232 B2 (+)	B2/232 B2 (-)	
Group I	Count	9	1	10
	Expected Count	9.0	1.0	10.0
Group II	Count	9	1	10
	Expected Count	9.0	1.0	10.0
Total	Count	18	2	20
	Expected Count	18.0	2.0	20.0

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.000 <sup>a</sup>	1	1.000		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.000	1	1.000		
Fisher's Exact Test				<b>1.000</b>	.763
Linear-by-Linear Association	.000	1	1.000		
N of Valid Cases <sup>b</sup>	20				

**Appendix D.** Fisher's exact test to evaluate the presence of CTV-B6 or CLas-B232 on the subsequent establishment of the other

**Group \* result Crosstabulation**

		result		Total
		B6/232 CLas (+)	B6/232 CLas (-)	
Group I	Count	4	6	10
	Expected Count	6.0	4.0	10.0
Group II	Count	8	2	10
	Expected Count	6.0	4.0	10.0
Total	Count	12	8	20
	Expected Count	12.0	8.0	20.0

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	3.333 <sup>a</sup>	1	.068		
Continuity Correction <sup>b</sup>	1.875	1	.171		
Likelihood Ratio	3.452	1	.063		
Fisher's Exact Test				<b>.170</b>	.085
Linear-by-Linear Association	3.167	1	.075		
N of Valid Cases <sup>b</sup>	20				

**Group \* result Crosstabulation**

		result	Total
		B6/232 B6 (+)	
Group I	Count	10	10
	Expected Count	10.0	10.0
Group II	Count	9	9
	Expected Count	9.0	9.0
Total	Count	19	19
	Expected Count	19.0	19.0

**Chi-Square Tests**

	Value
Pearson Chi-Square	. <sup>a</sup>
N of Valid Cases	19

**Appendix E. Fisher's exact test to verify the presence of CTV-B2 on subsequent establishment of CLas-B438**

**Result \* Treatment Crosstabulation**

Count

		Treatment		Total
		CTV-B2/ CLas-438	CLas-438/ CTV-B2	
Result	Alive	26	16	42
	Dead	4	15	19
Total		30	31	61

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	8.735 <sup>a</sup>	1	.003		
Continuity Correction <sup>b</sup>	7.177	1	.007		
Likelihood Ratio	9.170	1	.002		
Fisher's Exact Test				.005	.003
Linear-by-Linear Association	8.592	1	.003		
N of Valid Cases <sup>b</sup>	61				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 9.34.

b. Computed only for a 2x2 table