

Supplementary Information

Title: Classical biological control of the African citrus psylla *Trioza erythrae*, a major threat to the European citrus industry

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Supplementary Table S1. Sampling dates and sites, number and variety of sampled trees per site and symptoms and presence of *T. erythrae*. Asterisks are used when *T. erythrae* was parasitized.

Sampling date	Locality	Province	Coordinates	Type of orchard	Rutacea Host	No. trees sampled	<i>Trioza</i> symptoms	Presence of <i>Trioza</i>
21/09/2017	Citrusdal	Western Cape	32°36'27.3"S 18°56'37.8"E	Commercial	<i>Citrus sinensis</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'31.6"S 18°56'39.9"E	Commercial	<i>Citrus reticulata</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'23.3"S 18°56'51.7"E	Commercial	<i>Citrus sinensis</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'37.2"S 18°56'32.1"E	Commercial	<i>Citrus limon</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°35'43.2"S 19°00'50.2"E	Private garden	<i>Citrus sinensis</i>	2	No	No
21/09/2017	Citrusdal	Western Cape	32°51'18.0"S 19°05'55.8"E	Commercial	<i>Citrus sinensis</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°51'19.0"S 19°05'40.4"E	Commercial	<i>Citrus sinensis</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'37.3"S 19°00'01.2"E	Organic commercial	<i>Citrus limon</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'27.2"S 18°59'55.5"E	Organic commercial	<i>Citrus limon</i>	50	No	No
21/09/2017	Citrusdal	Western Cape	32°36'42.4"S 19°00'05.5"E	Organic commercial	<i>Citrus reticulata</i>	50	No	No
22/09/2017	Citrusdal	Western Cape	32°37'03.5"S 18°57'20.6"E	Organic commercial	<i>Citrus reticulata</i>	10	No	No
22/09/2017	Citrusdal	Western Cape	32°37'03.5"S 18°57'20.6"E	Private garden	<i>Citrus sinensis</i>	4	No	No
22/09/2017	Citrusdal	Western Cape	32°37'03.5"S 18°57'20.6"E	Private garden	<i>Citrus limon</i>	2	No	No
22/09/2017	Citrusdal	Western Cape	32°21'23.4"S 18°55'52.5"E	Organic commercial	<i>Citrus sinensis</i>	50	No	No
22/09/2017	Citrusdal	Western Cape	32°21'28.7"S 18°55'56.2"E	Organic commercial	<i>Citrus sinensis</i>	50	No	No
22/09/2017	Stellenbosch	Western Cape	33°49'21.8"S 18°55'48.1"E	Private garden	<i>Citrus sinensis</i>	100	No	No
22/09/2017	Stellenbosch	Western Cape	33°56'11.0"S 18°51'56.3"E	Private garden	<i>Citrus sinensis</i>	5	No	No
26/09/2017	Nelspruit	Mpumalanga	25°27'09.0"S 30°58'06.4"E	Organic commercial	<i>Citrus sinensis</i>	50	No	No
26/09/2017	Nelspruit	Mpumalanga	25°27'07.9"S 30°58'16.1"E	Organic commercial	<i>Citrus limon</i>	50	No	No
27/09/2017	Nelspruit	Mpumalanga	25°23'04.3"S 30°32'33.8"E	Nursery	<i>Citrus sinensis</i>	20	Yes	No
27/09/2017	Nelspruit	Mpumalanga	25°23'06.7"S 30°32'34.1"E	Commercial	<i>Citrus sinensis</i>	20	No	No
27/09/2017	Nelspruit	Mpumalanga	25°22'44.2"S 30°31'50.7"E	Organic commercial	<i>Citrus limon</i>	50	No	No
27/09/2017	Nelspruit	Mpumalanga	25°22'44.2"S 30°31'50.7"E	Abandoned orchard	<i>Citrus reticulata</i>	10	No	No
27/09/2017	Nelspruit	Mpumalanga	25°22'35.5"S 30°32'30.8"E	Private garden	<i>Citrus limon</i>	1	No	No
27/09/2017	Nelspruit	Mpumalanga	25°22'49.1"S 30°34'03.0"E	Private garden	<i>Citrus limon</i>	1	No	No
27/09/2017	Nelspruit	Mpumalanga	25°22'35.7"S 30°32'33.0"E	Commercial	<i>Citrus limon</i>	1	No	No
27/09/2017	Nelspruit	Mpumalanga	25°26'42.8"S 30°57'57.4"E	Public garden	<i>Citrus aurantium</i>	0	No	No
28/09/2017	Nelspruit	Mpumalanga	25°27'31.5"S 31°02'46.5"E	Commercial	<i>Citrus sinensis</i>	0	Yes	No
28/09/2017	Nelspruit	Mpumalanga	25°27'12.2"S 31°01'58.2"E	Abandoned orchard	<i>Citrus sinensis</i>	20	No	No
28/09/2017	Nelspruit	Mpumalanga	25°27'30.2"S 31°02'35.0"E	Abandoned orchard	<i>Citrus limon</i>	20	No	No
28/09/2017	Nelspruit	Mpumalanga	25°27'58.2"S 31°02'32.4"E	Commercial	<i>Citrus limon</i>	50	No	No
28/09/2017	Nelspruit	Mpumalanga	25°28'48.4"S 30°59'38.2"E	Experimental farm	<i>Citrus limon</i>	30	Yes	Yes*

29/09/2017	Nelspruit	Mpumalanga	25°27'07.7"S 30°58'09.5"E	Nursery	<i>Citrus sinensis</i>	50	No	No
29/09/2017	Nelspruit	Mpumalanga	25°27'07.4"S 30°58'15.9"E	Assay	<i>Citrus limon</i>	50	Yes	Yes*
29/09/2017	Nelspruit	Mpumalanga	25°28'21.9"S 30°59'29.8"E	Public garden	<i>Citrus aurantium</i>	10	Yes	No
29/09/2017	Nelspruit	Mpumalanga	25°28'45.8"S 30°59'38.0"E	colony	<i>Citrus sinensis</i>	20	No	No
03/10/2017	Letsitele	Limpopo	23°52'01.0"S 30°23'20.0"E	Privat garden	<i>Murraya exotica</i>	1	No	No
03/10/2017	Letsitele	Limpopo	23°52'07.0"S 30°23'29.6"E	Privat garden	<i>Murraya exotica</i>	3	No	No
03/10/2017	Letsitele	Limpopo	23°51'44.7"S 30°23'01.9"E	Commercial	<i>Citrus sinensis</i>	50	No	No
03/10/2017	Tzaneen	Limpopo	23°55'11.8"S 30°13'58.4"E	Private garden	<i>Citrus limon</i>	3	No	No
03/10/2017	Tzaneen	Limpopo	23°50'24.0"S 30°18'07.2"E	Commercial	<i>Citrus sinensis</i>	150	No	No
04/10/2017	Tzaneen	Limpopo	23°55'11.8"S 30°13'58.4"E	Organic commercial	<i>Citrus sinensis</i>	150	Yes	No
04/10/2017	Tzaneen	Limpopo	23°54'42.1"S 30°13'28.0"E	Organic commercial	<i>Citrus sinensis</i>	150	Yes	No
04/10/2017	Tzaneen	Limpopo	23°53'14.7"S 30°19'44.8"E	Organic commercial	<i>Citrus sinensis</i>	150	Yes	No
04/10/2017	Tzaneen	Limpopo	23°55'06.3"S 30°13'59.5"E	Organic commercial	<i>Citrus sinensis</i>	150	Yes	No
04/10/2017	Tzaneen	Limpopo	23°55'07.9"S 30°13'55.4"E	Organic commercial	<i>Citrus sinensis</i>	150	Yes	No
04/10/2017	Nkowankowa-C	Limpopo	23°53'24.4"S 30°19'40.7"E	Private garden	<i>Citrus limon</i>	2	No	No
04/10/2017	Nkowankowa-C	Limpopo	23°53'27.9"S 30°19'39.6"E	Private garden	<i>Citrus limon</i>	3	Yes	No
04/10/2017	Nkowankowa-C	Limpopo	23°53'25.6"S 30°19'42.1"E	Private garden	<i>Citrus limon</i>	1	No	No
04/10/2017	Nkowankowa-C	Limpopo	23°53'19.3"S 30°19'43.8"E	Private garden	<i>Citrus limon</i>	2	No	No
04/10/2017	Nkowankowa-C	Limpopo	23°53'31.0"S 30°19'45.3"E	Private garden	<i>Citrus limon</i>	1	Yes	No
05/10/2017	Tzaneen	Limpopo	23°50'13.7"S 30°09'37.8"E	Private garden	<i>Citrus limon/reticulata</i>	5	Yes	Yes*
05/10/2017	Tzaneen	Limpopo	23°47'56.8"S 30°26'11.0"E	Private garden	<i>Citrus limon</i>	5	No	No
05/10/2017	Tzaneen	Limpopo	23°47'54.1"S 30°26'07.9"E	Private garden	<i>Citrus limon</i>	50	No	No
05/10/2017	Pretoria	Gauteng	25°44'52.8"S 28°15'32.1"E	Experimental farm	<i>Citrus limon</i>	10	No	No
05/10/2017	Pretoria	Gauteng	25°44'52.1"S 28°15'33.6"E	Experimental farm	<i>Citrus limon</i>	25	Yes	Yes*
09/10/2017	Pretoria	Gauteng	25°45'40.6"S 28°14'12.5"E	Private garden	<i>Citrus sinensis</i>	4	No	No
09/10/2017	Pretoria	Gauteng		Private garden	<i>Citrus limon</i>	3	Yes	Yes
09/10/2017	Pretoria	Gauteng		Private garden	<i>Murraya exotica</i>			
09/10/2017	Pretoria	Gauteng	25°44'21.4"S 28°16'24.7"E	Public garden	<i>Citrus aurantium</i>	10	No	No

10/10/2017	Pretoria	Gauteng		Private garden	<i>Citrus limon</i>	5	Yes	No
20/10/2017	Pretoria	Gauteng	25°45'30.5"S 28°14'31.4"E	Public garden	<i>Citrus sinensis</i>	3	No	No
01/11/2017	Pretoria	Gauteng		Private garden	<i>Citrus limon</i>	1	Yes	No
17/11/2017	Pretoria	Gauteng	25°49'55.6"S 27°53'20.3"E	Public garden	<i>Citrus sinensis</i>	5	No	No
09/12/2017	Pretoria	Gauteng		Private garden	<i>Citrus limon</i>	6	Yes	Yes*

Supplementary Figure S1. Nucleotide sequence of COI barcode fragment for *Trioza erythrae* generated in the present work. Deduced amino acid (aa) sequence of the corresponding polypeptide is shown under each triplet. The coding region (cds) of *T. erythrae* COI gene and specific primers position used for the amplification of the barcode fragment –714 bp including the sequence primers– are shown for schematic purposes. Coordinates of COI cds are given with respect to the mitochondrial nucleotide sequence of *T. erythrae* (GeneBank accession number: NC_038142).

