

## SCIENTIFIC REPORT

# Update of the *Xylella* spp. host plant database – systematic literature search up to 30 June 2023

European Food Safety Authority (EFSA) | Davide Gibin | Alicia Gutierrez Linares |  
Elisa Fasanelli | Luca Pasinato | Alice Delbianco

Correspondence: [plants@efsa.europa.eu](mailto:plants@efsa.europa.eu)

## Abstract

This scientific report provides an update of the *Xylella* spp. host plant database, aiming to provide information and scientific support to risk assessors, risk managers and researchers dealing with *Xylella* spp. Upon a mandate of the European Commission, EFSA created and regularly updates a database of host plant species of *Xylella* spp. The current mandate covers the period 2021–2026. This report is related to the ninth version of the database published in Zenodo in the EFSA Knowledge Junction community, covering literature published from 1 January 2023 up to 30 June 2023, and recent Europhyt outbreak notifications. Informative data have been extracted from 47 selected publications. Seven new host plants were identified and added to the database. These plant species were naturally infected by *X. fastidiosa* subsp. *multiplex* in France, Spain and the United States. No additional data were retrieved for *X. taiwanensis*, and no additional multilocus sequence types (STs) were identified worldwide. New information on the tolerant/resistant response of plant species to *X. fastidiosa* infection were added to the database. The *Xylella* spp. host plant species were listed in different categories based on the number and type of detection methods applied for each finding. The overall number of *Xylella* spp. host plants determined with at least two different detection methods or positive with one method (between sequencing and pure culture isolation (category A), reaches now 439 plant species, 200 genera and 69 families. Such numbers rise to 696 plant species, 307 genera and 88 families if considered regardless of the detection methods applied (category E).

## KEYWORDS

data extraction, database, host plants, sequence types, subspecies, *Xylella fastidiosa*, *Xylella* spp.

This is an open access article under the terms of the [Creative Commons Attribution-NoDerivs](https://creativecommons.org/licenses/by-nd/4.0/) License, which permits use and distribution in any medium, provided the original work is properly cited and no modifications or adaptations are made.

© 2023 European Food Safety Authority. *EFSA Journal* published by Wiley-VCH GmbH on behalf of European Food Safety Authority.

## CONTENTS

Abstract.....	1
1. Introduction .....	3
1.1. Background and Terms of Reference as provided by the requestor .....	3
1.2. Interpretation of the Terms of Reference .....	3
2. Data and Methodologies.....	3
2.1. Extensive literature search.....	3
2.1.1. Information sources.....	4
2.1.2. Search terms.....	4
2.2. Study selection .....	5
2.3. Data extraction .....	5
2.4. Data warehouse.....	7
2.4.1. Data management .....	7
2.4.2. Data reporting .....	7
3. Results.....	8
3.1. Results of the literature review .....	8
3.2. Update of records already included in the database.....	9
3.3. Host plant species of <i>Xylella</i> spp.....	10
3.4. <i>X. fastidiosa</i> sequence types and host plants association .....	11
3.5. Tolerant and resistant responses of plant species .....	11
4. Conclusions.....	14
Abbreviations .....	14
Acknowledgements .....	14
Conflict of Interest .....	15
Requestor .....	15
Question Number .....	15
Copyright for non-EFSA Content.....	15
References.....	15
Appendix A.....	16
Appendix B .....	32
Appendix C.....	41
Appendix D.....	43
Appendix E .....	67
Annex A.....	69

## 1 | INTRODUCTION

### 1.1 | Background and Terms of Reference as provided by the requestor

In the context of Article 31 of Regulation (EC) No 178/2002, EFSA was asked by the European Commission DG SANTE to provide technical assistance in the field of plant health as regards the regulated harmful organism *Xylella fastidiosa*, as per letter to EFSA's Director dated 30 June 2016 (Reference ARES (2016) 3126989).

EFSA was requested to further specify and update the host plants database of *X. fastidiosa* available in 2016 (EFSA, 2016) taking into account the different *X. fastidiosa* subspecies and strains (with particular reference to the European isolates), with the inclusion of information on non-susceptible plants and varieties and negative results of diagnostic tests when available. EFSA was requested to maintain and update this database periodically and to make new releases available on the EFSA website, together with a Scientific Report. The database should focus on plants confirmed to be infected by at least two detection methods in field conditions or via vector transmission under experimental conditions. Such request was for the period 2016–2020.

This mandate was extended by the European Commission DG SANTE for the period 2021–2026, with the aim to continue the update of that database. EFSA is requested to deliver two updates per year of the database.

### 1.2 | Interpretation of the Terms of Reference

EFSA delivered in September 2018 a renovated database of host plants of *Xylella* spp., taking into account both species of the genus *Xylella* (*X. fastidiosa* and *X. taiwanensis*) (EFSA, 2018), which was last updated in June 2023 (EFSA, 2023). Raw data and interactive reports were published in Zenodo<sup>1</sup> in the EFSA Knowledge Junction community and in Microstrategy<sup>2</sup> platform, together with a Scientific Report.

As per Terms of Reference (ToR), EFSA was requested to maintain and update the *Xylella* spp. host plant database for the period 2021–2026, and to publish new releases online together with a report twice per year. This Scientific Report provides a new update on the database of host plants of *Xylella* spp. published in June 2023 (EFSA, 2023). An extensive literature search was conducted to retrieve recent publications on the topic and new informative data on host plant species of *Xylella* spp. were collected. Such report provides information on the literature review and a detailed view on the currently known host plants of *Xylella* spp.

## 2 | DATA AND METHODOLOGIES

The methodologies developed for the *Xylella* spp. host plant database published in 2018 (EFSA, 2018) were applied in this report.

The process was divided in the following steps:

- Extensive literature search to identify relevant references.
- Selection of studies based on title, abstract and full text.
- Data extraction of relevant information.
- Data analysis and reporting.

### 2.1 | Extensive literature search

The review question, 'Which plant species can host *Xylella* / *Xylella* associated disease?' was broken down into key stages using the P/O conceptual model described in the EFSA systematic review guidance (EFSA, 2010):

- Population of interest (P)

The population of interest is that of plant species, worldwide.

- Outcome (condition of interest) (O)

The outcome (condition of interest) is that of *Xylella* spp. infection.

Two main elements were considered for the extensive literature search: the sources of information (Table 1) to be consulted and the search strategy (Table 2).

<sup>1</sup><https://doi.org/10.5281/zenodo.1339343>

<sup>2</sup><https://www.efsa.europa.eu/en/microstrategy/xylella>

## 2.1.1 | Information sources

The search strategy was run in all databases listed in Table 1 via the Web of Science (Clarivate Analytics) and Scopus platforms with no language or document type restriction.

**TABLE 1** Sources of information.

Database	Platform
Scopus	Scopus
BIOSIS Citation Index	Web of Science
CABI: CAB Abstracts®	
Chinese Science Citation DatabaseSM	
Current Contents Connect	
FSTA® - the food science resource	
KCI-Korean Journal Database	
MEDLINE®	
Russian Science Citation Index	
SciELO Citation Index	
Web of Science Core Collection	
• Science Citation Index Expanded	
• Social Sciences Citation Index	
• Arts & Humanities Citation Index	
• Conference Proceedings Citation Index- Science	
• Conference Proceedings Citation Index- Social Science & Humanities	
• Book Citation Index – Science	
• Book Citation Index – Social Sciences & Humanities	
• Emerging Sources Citation Index	
• Current Chemical Reactions	
• Index Chemicus	
Zoological Record	

## 2.1.2 | Search terms

The syntax of the search string, developed for the *Xylella* spp. host plants database published in 2018 (EFSA, 2018), was adapted and run into each platform databases listed in Table 1 on 18 September 2023. As the scope of the search was to retrieve references published after December 2022, the selected time span was from 1 January 2023 up to 30 June 2023. The search strings and the number of retrieved references are shown in Table 2.

**TABLE 2** Search strings and results.

Platform	Query	Results
Scopus	(TITLE-ABS-KEY (xylella OR xyllela OR xylela OR (pierce* W/2 disease) OR (((plum OR plums) AND "leaf scald*")) OR ((phony W/2 (peach* OR disease*))) OR ((citrus AND variegat* AND chlorosis)) OR crespere OR "almond leaf scorch*" OR "bacterial leaf scorch*" OR "coffee leaf scorch*" OR "mulberry leaf scorch*" OR "oleander leaf scorch*" OR "sycamore leaf scorch*" OR "Periwinkle wilt" OR "Ragweed stunt" OR ((olive W/50 "quick decline syndrome")) OR "Xylem inhabiting bacteri*" OR "Xylem limited bacteri*" OR fxib OR fxjb OR "rickettsialike bacteri*" OR "rickettsia like bacteri*")) AND (ORIG-LOAD-DATE >20230101 AND ORIG-LOAD-DATE <20230630))	87
Web of Science	TS=(xylella OR xyllela OR xylela OR (pierce* NEAR/2 disease) OR (((Plum OR plums) AND "leaf scald*")) OR ((Phony NEAR/2 (peach* OR disease*))) OR ((citrus AND variegat* AND chlorosis)) OR crespere OR "almond leaf scorch*" OR "bacterial leaf scorch*" OR "coffee leaf scorch*" OR "mulberry leaf scorch*" OR "oleander leaf scorch*" OR "sycamore leaf scorch*" OR "Periwinkle wilt" OR "Ragweed stunt" OR ((Olive NEAR "quick decline syndrome")) OR "Xylem inhabiting bacteri*" OR "Xylem limited bacteri*" OR FXIB OR FXJB OR "rickettsialike bacteri*" OR "rickettsia like bacteri*")	100

The collected references were downloaded and imported into an EndNote X9 library (Clarivate Analytics). Duplicates and references already included in the update published in June 2023 (EFSA, 2023) were removed using EndNote X9 and the remaining references were uploaded on DistillerSR online<sup>3</sup> together with the full texts in portable document format (pdf).

Sixteen Europhyt outbreak notifications<sup>4</sup> (accessed on 3 October 2023) were also included.

<sup>3</sup><https://www.evidencepartners.com/>

<sup>4</sup>[https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network\\_en](https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network_en)

## 2.2 | Study selection

The collected references were screened for relevance in two steps:

1. Title and abstract screening.
2. Full text screening of the references that passed the first step.

Inclusion/exclusion criteria were applied in each step and two reviewers worked in parallel screening the references.

The first step required the reviewers to answer two questions, listed in [Table 3](#), considering only title and abstract of the references. The aim of this step was to select only references presenting original research data on *Xylella* or *Xylella* associated disease.

**TABLE 3** Inclusion/exclusion criteria for title and abstract screening.

Question text	Type of answer	Answer text	Exclusion criteria
Is <i>Xylella</i> / a <i>Xylella</i> associated disease/a <i>Xylella</i> synonym the topic of the study?	Only one of the possible alternative answers can be selected	Yes No	Included Excluded
Is it a primary research study?	Only one of the possible alternative answers can be selected	Yes No	Included Excluded

The references that passed the first step, were submitted to the full text screening. This second step required the reviewers to answer four questions ([Table 4](#)): three of them are descriptive (neutral) whereas the fourth has an inclusion/exclusion role.

**TABLE 4** Inclusion/exclusion criteria at full text screening.

Question text	Type of answer	Answer text	Exclusion criteria
Is an English abstract present?	Only one of the possible alternative answers can be selected	Yes No	Neutral Neutral
Which is the type of the publication?	Only one of the possible alternative answers can be selected	Peer-reviewed article Article Book Conference proceedings Abstract Technical publication/ Report Other	Neutral Neutral Neutral Neutral Neutral Neutral Neutral
Is the <i>Xylella</i> host plant the main scope of the study?	Only one of the possible alternative answers can be selected	Yes No	Neutral Neutral
Is <i>Xylella</i> /a <i>Xylella</i> associated disease/a <i>Xylella</i> synonym studied in association with a host plant?	Only one of the possible alternative answers can be selected	Yes No	Included Excluded

## 2.3 | Data extraction

Informative data listed in [Table 5](#) were extracted from the selected references. For each reference the first reviewer performed the data extraction whereas the second reviewer conducted the quality check of the extracted data. Data extraction from each reference can generate one or several records. A record is defined as a unique combination of data related to a detection event, and it corresponds to a single Excel row of the files published in Zenodo (see [Section 2.4.1](#)).

**TABLE 5** Data extraction structure.

Extracted data	Description
<b>General information</b>	<i>In this section the general information about the study is reported</i>
RecordID	Unique number allocated to each row
RefID	Unique number allocated to each reference within the DistillerSR software
Reference	Full reference
Publication year	Year of the publication
Starting year	Starting year of the study, as reported in the publication
Ending year	Ending year of the study, as reported in the publication
<b>Botanical identification</b>	<i>The botanical identification of the plant, both as reported in the publication and according to the updated taxonomy of the EPPO Global Database<sup>a</sup>, is reported in this section</i>
Plant EPPO code	EPPO code of the plant species, from the EPPO global database. <sup>a</sup> For plant species not present in the EPPO global database a new code was created in the EFSA catalogue
Plant family	Plant family, from the EPPO global database <sup>a</sup>
Plant genus	Plant genus, from the EPPO global database <sup>a</sup>
Plant species	Plant species, from the EPPO global database <sup>a</sup>
Reported plant species	Name of the plant species as reported in the publication
Common name	Common name of the plant species, as reported in the publication
Cultivar	Cultivar or plant variety, as reported in the publication
<b>Infection information</b>	<i>Detailed information about the infection and location of the plant is reported in this section</i>
Infection method (Level 1)	The infection of the plant can be natural, artificial or not specified
Infection method (Level 2)	Subcategories of natural infection: during survey activity, during research activity. 'Research activity' is used when plants are planted under natural inoculum pressure and infection development was monitored without interfering. Subcategories of artificial infection: mechanical inoculation (detailed at level 3a), vector transmission (detailed at level 3b)
Mechanical inoculation (Level 3a)	Subcategories of mechanical inoculation: budding, grafting, needle, root uptake, stem absorption, syringe
Infection vector species (Level 3b)	Insect species used in artificial vector transmission
Location type	The place where the plant was placed: natural habitat, greenhouse, screenhouse, interception, not specified
<b>Geographic information</b>	<i>In this section the geographical location of the plant is reported, as detailed as possible. In case of intercepted plants, the reported location is the geographical origin of the plant and not the country and location where it was intercepted</i>
Country code	From the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Country	From the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Location	Location description (state/region/province/municipality) from the EFSA catalogue, based on NUTS (Eurostat) and GAUL (FAO) territorial unit nomenclature
Additional Location	Additional information on the location, as reported in the publication
Coordinates precision	Coordinates as reported in the publication
Latitude	Latitude, as reported in the publication
Longitude	Longitude, as reported in the publication
<b>Pest description</b>	<i>Information about the pest is reported in this section, together with genetic data</i>
Pest EPPO code	EPPO code of the pest, from the EPPO global database <sup>a</sup>
Pest species	Name of <i>Xylella</i> spp., from the EPPO global database <sup>a</sup>
Pest subspecies	<i>Xylella fastidiosa</i> subspecies, from the EPPO global database <sup>a</sup> . If the subspecies is inferred from another publication, a note is added to comment on the genotyping
Reported pest	Name of <i>Xylella</i> spp. as reported in the publication. Names used before the genus <i>Xylella</i> was established (up to 1987): Alfalfa dwarf virus, Morus suffodiens virus, Phony peach bacterium, Pierce's disease bacterium, Pierce's disease virus, <i>Rickettsia</i> -like bacteria, Rod-shaped bacteria, Xylem-inhabiting bacteria. Names used from 1987 (when the genus <i>Xylella</i> was established): <i>Xylella fastidiosa</i> , <i>Xylella taiwanensis</i>
Disease	Name of the disease caused by <i>Xylella</i> spp., as reported in the publication: Alfalfa dwarf, Almond leaf scorch, Bacterial leaf scorch, Blueberry bacterial leaf scorch, Citrus variegated chlorosis, Coffee leaf scorch, Coffee stem atrophy, Crespiera, Elm leaf scorch, Leaf scorch disease, Mulberry leaf scorch, Oleander leaf scorch, Olive quick decline syndrome, Pear leaf scorch, Pecan bacterial leaf scorch, Periwinkle wilt, Phony peach disease, Pierce's disease, Plum leaf scald, Potato purple top disease, Ragweed stunt, Sweetgum dieback, Sycamore leaf scorch
Strain	Name of the strain of <i>Xylella</i> spp., as reported in the publication

**TABLE 5** (Continued)

Extracted data	Description
MLST (Multilocus sequence type)	Sequence type (ST) of <i>Xylella fastidiosa</i> , as reported in the publication. If the ST is inferred from another publication, a note is added in the genotyping comment
Genotyping comment	Comment or additional information regarding the pest
<b>Methods of identification</b>	<i>In this section the identification methods applied to detect Xylella spp. infection are listed. Eight detection methods were considered and for each of them, the outcome of the analysis (positive or negative), together with the number of infected plants and the total number of analysed plants, were reported. Moreover, additional information could be added in the comment column beside each detection method</i>
Symptoms	Observation of symptoms in the plant, as reported in the publication
Symptoms expression in test plants	Observation of symptom development in test plants after an attempt to transmit the pathogen through vectors
Culture	Pure culture isolation (i.e. isolation of cultivable bacteria from tissue samples on solid culture media)
Microscopy	Observation of <i>Xylella</i> spp. bacteria through microscopic analysis techniques
ELISA	Enzyme-linked immunosorbent assay
Other immunological techniques	Immunological techniques other than ELISA
PCR-based methods	Polymerase chain reaction-based methods (PCR, nested PCR, qPCR, etc.)
Sequencing	Sequence analysis
<b>Host status</b>	<i>Information about the tolerance and resistance response of the plant</i>
Tolerance/Resistance reported	Tolerant/Resistant status of the plant, as reported in the publication
Tolerance/Resistance category	Categories describing the response of the tolerant/resistant plant: lack of infection or negative reading, lack of systemic movement, lack or reduction of symptoms, lack or reduction of symptoms – lower bacterial population, lack or reduction of symptoms – lower bacterial population – lower disease incidence, lack or reduction of symptoms – lower disease incidence, lower bacterial population, lower bacterial population – lower disease incidence, lower disease incidence, infection not persistent, reported as tolerant/resistant (no details)
Tolerance/Resistance comment	Comment on the tolerant/resistant response of the plant, as reported in the publication
<b>Additional information</b>	
Comment	Additional relevant information or comment on the study
Confirmed record	'Yes' for confirmed records, 'No' for unconfirmed/dubious records. Unconfirmed records were included in the data extraction but excluded from the data analysis

<sup>a</sup><https://gd.eppo.int/>

## 2.4 | Data warehouse

A harmonised data model has been established to collect data on *Xylella* spp. host plants. The aim was to establish a harmonised data flow for the collection and the collation of an extensive literature review generated data in the plant health domain. Data are stored in EFSA Scientific Data Warehouse (S-DWH), after that an ETL (Extract, Transform, Load) procedure is applied in order to harmonise and calculated the statistics.

### 2.4.1 | Data management

The collected data have been submitted to the EFSA Data Collection Framework (DCF). DCF is the upfront system in the EFSA pipeline of data collection tools and allows a first step of harmonisation against the EFSA controlled reference terminology (aka EFSA catalogues). Data have been then included in the S-DWH by means of a standardised ETL procedure and they have been further analysed and managed to generate needed statistics.

Data are available as interactive reports on the Microstrategy platform at the following link: <https://www.efsa.europa.eu/en/microstrategy/xylella>

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 9** (doi: [10.5281/zenodo.1339343](https://doi.org/10.5281/zenodo.1339343)).

### 2.4.2 | Data reporting

Data reporting was designed to distinguish the *Xylella* spp. host plant species, based on the number and type of detection methods applied for each finding. Different combinations of detection methods were considered:



**A.** Plant species positive with at least two detection methods (among: ELISA, other immunological techniques, PCR-based methods, symptoms observation on the test plant in experimental vector transmission) or positive with one method (between sequencing and pure culture isolation).

**B.** All plant species included in category A, plus plant species positive with at least two detection methods (including microscopy).

**C.** All plant species included in category B, plus plant species positive with at least one detection method (among: ELISA, other immunological techniques, PCR-based methods, symptoms observation on the test plant in experimental vector transmission).

**D.** All plant species included in category C, plus plant species positive with microscopy.

**E.** All positive plant species reported, regardless of the detection methods applied (including positive records but without the detection method specified, ELISA, microscopy, other immunological techniques, PCR-based methods, pure culture isolation, sequencing, symptom observations, symptoms observation on the test plant in experimental vector transmission).

## 3 | RESULTS

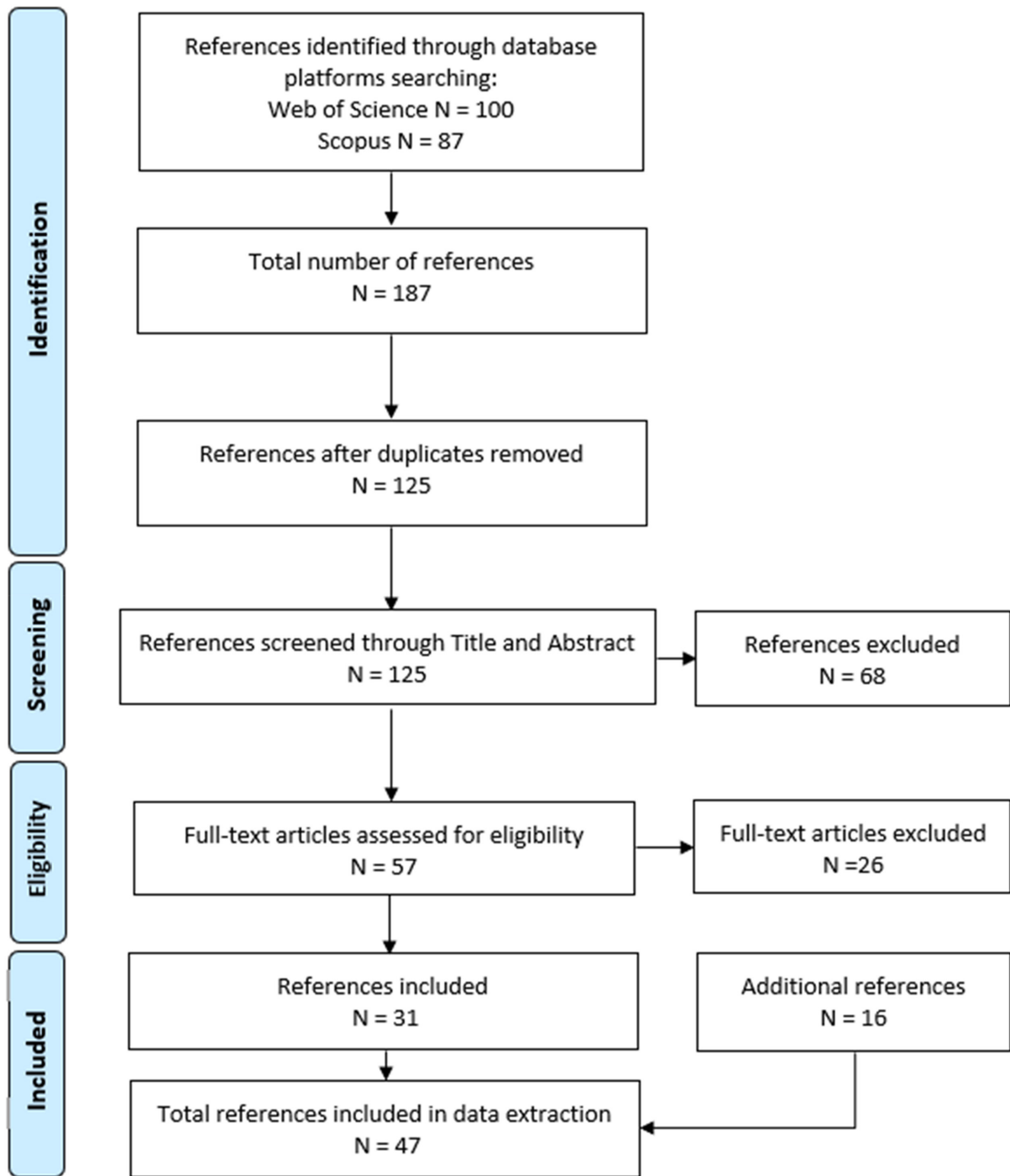
### 3.1 | Results of the literature review

The extensive literature search was conducted on 18 September 2023 on Web of Science and Scopus platforms and 187 references were collected. Duplicates and references already included in EFSA (2023) were removed and 125 references were uploaded in DistillerSR and screened for relevance. Results of the screening process are shown in Figure 1.

In the first step, i.e. title and abstract screening, 68 references were excluded either because they do not focus on *Xylella* or *Xylella* associated diseases and/or they are not primary research studies. The selected 57 references were subjected to the second step of the screening process, i.e. the full text screening. Thirty-one references, in which *Xylella* spp. are studied in association with a host plant, were selected. Sixteen Europhyt outbreak notifications<sup>5</sup> containing informative data were also included in the data extraction. Totally, 47 references (listed in Appendix E) were included in this update of the data-base and from which informative data listed in Table 5 were extracted.

<sup>5</sup>[https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network\\_en](https://food.ec.europa.eu/plants/plant-health-and-biosecurity/europhyt/network_en)





**FIGURE 1** Flow diagram of the screening process.

### 3.2 | Update of records already included in the database

Scientific names of plant species, genera and families are reported, as far as possible, accordingly to the taxonomy of the EPPO Global Database (EPPO, 2023) that is constantly being updated. Therefore, changes of scientific names of plant species, genera and families in the *Xylella* spp. host plant database are related to the update of the taxonomy in the EPPO Global Database.

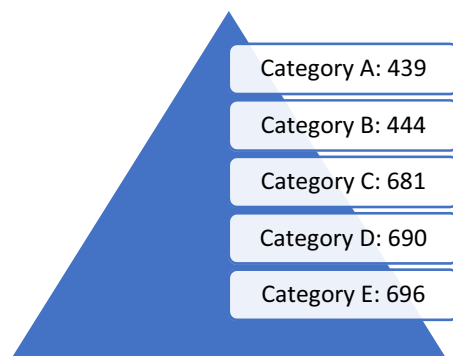
Records referring to Europhyt outbreak notifications, that may contain uncomplete data, are updated whenever additional information (e.g. further identification of the plant species, *X. fastidiosa* subspecies, ST) become available.

Few typos of previous data extractions were fixed: ST47 was replaced by ST87 in RefID 12534, while subsp. *multiplex* (EPPO code 'XYLEFM') was replaced by subsp. *pauca* (EPPO code 'XYLEFP') in RefID 12412, RefID 12413, RefID 12414 and RefID 12415.

The plant species *Juglans* sp. (EPPO code 'IUGSS') was replaced by the plant species *Juglans regia* (EPPO code 'IUGRE') in RefID 7836 and RefID 8126, according to the common name ('walnut') reported in the publications.

### 3.3 | Host plant species of *Xylella* spp.

The updated numbers of host plant species, genera and families (according to the different categories reported in Section 2.4.2) are reported in Figure 2 and Table 6. The number of plant species raised to 439 according to category A [i.e. plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation)] to 696 plant species of category E (i.e. all positives plant species reported, regardless of the detection methods).



**FIGURE 2** Number of host plant species according to the different categories (as described in Section 2.4.2). Plant species in category A are included in category B; plant species in category B are included in category C; plant species in category C are included in category D; plant species in category D are included in category E.

**TABLE 6** Number of host plant species, genera and families of *Xylella* spp. according to categories A, B, C, D, E (based on the detection methods applied – see Section 2.4.2).

	A	B	C	D	E
<b>Number of host plant species</b>	439	444	681	690	696
<b>Number of host plant genera</b>	200	201	306	306	307
<b>Number of host plant families</b>	69	69	88	88	88

Compared to the previous update of the database published in June 2023 (EFSA, 2023), 7 plant species (and one genus) were identified as new hosts of *X. fastidiosa*. This genus and those plant species were not previously reported in the database. Details of those new hosts of *X. fastidiosa* are summarised in Table 7. All the new plant species have been found to be naturally infected by *X. fastidiosa* subsp. *multiplex*. Five of them were reported in France, one in Spain and one in the United States.

**TABLE 7** New host plants of *X. fastidiosa*. For each host plant the infection method, the country, the *X. fastidiosa* subspecies and the category (see Section 2.4.2) are reported. The new genus and the new plant species are highlighted in bold.

Plant EPP0 code	Plant family	Plant genus	Plant species	Infection method	Country	Xf subspecies	Category
ACRGR	Sapindaceae	Acer	<b>Acer granatense</b>	Natural	Spain	<i>multiplex</i>	A
STICA	Lamiaceae	<b>Clinopodium</b>	<b>Clinopodium nepeta</b>	Natural	France	<i>multiplex</i>	A
CRWSA	Cornaceae	Cornus	<b>Cornus sanguinea</b>	Natural	France	<i>multiplex</i>	A
FRXEX	Oleaceae	Fraxinus	<b>Fraxinus excelsior</b>	Natural	France	<i>multiplex</i>	A
LONSS	Caprifoliaceae	Lonicera	<b>Lonicera sp.</b>	Natural	France	<i>multiplex</i>	A
QUECE	Fagaceae	Quercus	<b>Quercus cerris</b>	Natural	United States	<i>multiplex</i>	A
SENIQ	Asteraceae	Senecio	<b>Senecio inaequidens</b>	Natural	France	<i>multiplex</i>	A

The overall number of host plant species infected naturally, artificially and in unspecified conditions by the different *X. fastidiosa* subspecies and according to the different categories are reported in Tables 8, 9 and 10. The plant species behind the numbers shown in those tables are listed in.

Appendices A, B and C. In those appendices the full lists of plant species infected by the different *X. fastidiosa* subspecies naturally, artificially and in not specified conditions according to the five categories are shown.

The highest number of plant species naturally infected is still recorded for *X. fastidiosa* subsp. *multiplex* (226 according to category A, up to 234 for category E), followed by subsp. *fastidiosa* and subsp. *pauca*. In artificial infection, 42 plant species (category A and 83 for category E) were successfully infected by *X. fastidiosa* subsp. *fastidiosa*. Twenty plant species were

artificially infected by subsp. *pauca* and 19 by subsp. *multiplex* (category A), up to 35 and 36 for category E (for *pauca* and *multiplex*, respectively).

No new host plants were reported for the pathogen species *Xylella taiwanensis*, that so far was recorded only in *Pyrus pyrifolia* plants.

**TABLE 8** Number of host plant species, naturally infected, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	<i>fastidiosa</i>	<i>fastidiosa_sandyi</i>	<i>morus</i>	<i>multiplex</i>	<i>pauca</i>	<i>sandyi</i>	<i>tashke</i>	Unknown
A	64	2	4	226	55	7	1	182
B	64	2	4	226	55	7	1	187
C	67	2	4	234	59	8	1	384
D	67	2	4	234	59	8	1	390
E	67	2	4	234	59	8	1	401

**TABLE 9** Number of host plant species, artificially infected, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	<i>fastidiosa</i>	<i>morus</i>	<i>multiplex</i>	<i>pauca</i>	<i>sandyi</i>	<i>tashke</i>	Unknown
A	42	2	19	20	5	0	89
B	43	2	19	21	5	0	94
C	82	2	35	35	11	1	202
D	82	2	35	35	11	1	208
E	83	2	36	35	11	1	216

**TABLE 10** Number of host plant species, infected in unspecified conditions, susceptible to the different *X. fastidiosa* subspecies according to categories A, B, C, D, E (as described in Section 2.4.2).

Category	<i>fastidiosa</i>	<i>multiplex</i>	<i>pauca</i>	<i>sandyi</i>	Unknown
A	7	13	8	1	16
B	7	13	8	1	18
C	7	16	8	2	27
D	7	16	8	2	29
E	7	16	8	2	31

### 3.4 | *X. fastidiosa* sequence types and host plants association

The full list of plant species infected by the different *X. fastidiosa* sequence types (ST) under natural, artificial and unspecified conditions is reported in Appendix D. For each plant species, the number of records<sup>6</sup> reporting infection by a specific ST is counted. For natural infection, the country where the plant species have been identified is also reported, whereas for artificial and unspecified infection only the total number of records is presented in the Appendix.

Totally, 2610 records reporting information on 268 plant species infected by 89 different STs have been reported in the database. No additional STs have been identified compared to the previous version of the database (EFSA, 2023). Most of the records (1909) refer to natural infections that were reported in North, Central and South America (United States of America, Mexico, Honduras, Costa Rica, Ecuador, Brazil and Argentina), Asia (Israel) and Europe (Portugal, Spain, France and Italy). ST53 (subsp. *pauca*) is the most reported sequence type in natural infections (489 records), while ST7 (subsp. *multiplex*) have been reported to infect the highest number of plant species (89). ST1 (subsp. *fastidiosa*) remains the most used ST in artificial infections (250 records).

### 3.5 | Tolerant and resistant responses of plant species

Information on tolerant and resistant response of plant species to *X. fastidiosa* infection have also been reported in the database. The list of plant genera and species for which tolerant and resistant response have been identified is reported in Table 11, while different tolerant/resistant response to *X. fastidiosa* infection has been grouped into 11 categories, as reported in Table 12. Those categories include the plant response/s for which the authors of the publication considered that plant as tolerant/resistant to *X. fastidiosa* infection.

<sup>6</sup>Record' as defined in Section 2.3.

Compared to the previous version of the database (EFSA, 2023), one publication reporting 11 records of ‘lack or reduction of symptoms – lower bacterial population’ in *Vitis vinifera* was added to the database (Tables 11, 12). Information on tolerant/resistant status is available for 73 plant species with a total number of 739 records (Table 11). The most studied genera remains *Vitis*, *Citrus* and *Prunus* (428, 175 and 70 records, respectively) (Table 11).

**TABLE 11** Number of records reporting tolerant/resistant response for plant genus and species.

Plant genus and species	Number of records
<b>Arabidopsis</b>	<b>4</b>
<i>Arabidopsis thaliana</i>	4
<b>Citrus</b>	<b>175</b>
<i>Citrus celebica</i>	1
<i>Citrus clementina</i>	4
<i>Citrus jambhiri</i>	2
<i>Citrus junos</i>	1
<i>Citrus latifolia</i>	1
<i>Citrus limettioides</i>	1
<i>Citrus limon</i>	14
<i>Citrus medica</i>	1
<i>Citrus natsudaikai</i>	1
<i>Citrus paradisi</i>	5
<i>Citrus reticulata</i>	9
<i>Citrus reticulata</i> × <i>C. sinensis</i> × <i>C. paradisi</i>	1
<i>Citrus sinensis</i>	8
<i>Citrus sp.</i>	70
<i>Citrus tangerine</i>	32
<i>Citrus</i> × <i>nobilis</i>	11
<i>Citrus</i> × <i>tangelo</i>	13
<b>Coffea</b>	<b>5</b>
<i>Coffea arabica</i>	4
<i>Coffea sp.</i>	1
<b>Fortunella</b>	<b>1</b>
<i>Fortunella margarita</i>	1
<b>Medicago</b>	<b>2</b>
<i>Medicago sativa</i>	2
<b>Olea</b>	<b>36</b>
<i>Olea europaea</i>	36
<b>Platanus</b>	<b>2</b>
<i>Platanus sp.</i>	2
<b>Poncirus</b>	<b>3</b>
<i>Poncirus trifoliata</i>	3
<b>Populus</b>	<b>1</b>
<i>Populus</i> × <i>canescens</i>	1
<b>Prunus</b>	<b>70</b>
<i>Prunus angustifolia</i>	1
<i>Prunus armeniaca</i>	3
<i>Prunus avium</i>	5
<i>Prunus cerasus</i>	2
<i>Prunus domestica</i>	3
<i>Prunus dulcis</i>	18
<i>Prunus persica</i>	7
<i>Prunus salicina</i>	14

**TABLE 11** (Continued)

Plant genus and species	Number of records
<i>Prunus</i> sp.	15
<i>Prunus</i> × <i>amygdalo-persica</i>	2
<b>Quercus</b>	<b>2</b>
<i>Quercus ilex</i>	2
<b>Vaccinium</b>	<b>10</b>
<i>Vaccinium corymbosum</i>	6
<i>Vaccinium</i> sp.	4
<b>Vitis</b>	<b>428</b>
<i>Vitis aestivalis</i>	4
<i>Vitis arizonica</i>	104
<i>Vitis arizonica</i> hybrid	6
<i>Vitis arizonica</i> × <i>V. rupestris</i>	6
<i>Vitis arizonica</i> × <i>V. vinifera</i>	1
<i>Vitis arizonica/candicans</i>	3
<i>Vitis arizonica/candicans</i> × <i>V. rupestris</i>	2
<i>Vitis arizonica/girdiana</i>	1
<i>Vitis berlandieri</i>	9
<i>Vitis berlandieri</i> × <i>riparia</i> hybrids	6
<i>Vitis berlandieri</i> × <i>V. rupestris</i>	4
<i>Vitis candicans</i>	23
<i>Vitis champinii</i> × ( <i>V. solonis</i> × <i>V. othello</i> )	1
<i>Vitis cinerea</i>	7
<i>Vitis cinerea</i> × <i>V. berlandieri</i>	2
<i>Vitis girdiana</i>	20
<i>Vitis monticola</i>	4
<i>Vitis munsoniana</i>	3
<i>Vitis popenoei</i>	1
<i>Vitis riparia</i>	19
<i>Vitis rotundifolia</i>	58
<i>Vitis rotundifolia</i> × <i>V. rupestris</i>	1
<i>Vitis simpsonii</i>	1
<i>Vitis</i> sp.	76
<i>Vitis tiliaefolia</i>	1
<i>Vitis treleasei</i>	6
<i>Vitis vinifera</i>	36
<i>Vitis vinifera</i> hybrid	6
<i>Vitis aestivalis</i> var. <i>smalliana</i>	4
<i>Vitis aestivalis</i> var. <i>smalliana</i> × <i>V. simpsonii</i>	4
<i>Vitis aestivalis</i> var. <i>smalliana</i> × <i>V. vinifera</i>	1
<i>Vitis nesbittiana</i>	2
<i>Vitis rufotomentosa</i>	1
<i>Vitis shuttleworthii</i>	5
<b>Total</b>	<b>739</b>

**TABLE 12** Number of records and publications for tolerance/resistance category.

Tolerance/resistance category	Number of records			Number of publications
	Artificial infection	Natural infection	Infection not specified	
Lack of infection or Negative reading	43	78	0	15
Lack of systemic movement	52	0	0	9
Lack or reduction of symptoms	82	78	0	13
Lack or reduction of symptoms – Lower bacterial population	31	14	0	18
Lack or reduction of symptoms – Lower bacterial population - Lower disease incidence	2	2	0	3
Lack or reduction of symptoms – Lower disease incidence	0	2	0	1
Lower bacterial population	235	8	0	24
Lower bacterial population – Lower disease incidence	0	3	0	3
Lower disease incidence	0	6	0	4
Not persistent infection	5	3	0	3
Reported as tolerant/resistant_no details	18	28	49	46
<b>Total</b>	<b>468</b>	<b>222</b>	<b>49</b>	<b>139</b>

## 4 | CONCLUSIONS

Following a request from the European Commission, EFSA was asked to create, maintain and regularly update a database of host plant species of *Xylella* spp. This Scientific Report summarises the most interesting information reported in the new version of the database (**version 9**).

An extensive literature search was performed including all scientific papers published up to 30 June 2023, as well as additional Europhyt outbreak notifications (last accessed on 3 October 2023).

By these searches, 47 publications were selected and informative data were extracted. Seven host plant species and one genus were identified as new hosts of *X. fastidiosa*. This genus and those plant species were not previously reported as hosts of *X. fastidiosa*. They have been found to be naturally infected by *X. fastidiosa* subspecies *multiplex* in France, Spain and the United States. No new data was retrieved for *X. taiwanensis*.

Compared to the previous version of the database (EFSA, 2023), no additional STs have been identified worldwide. Information on tolerant/resistant status were reported for 73 plant species in 139 publications, with a total number of 739 records. The most studied and reported plant taxa are still the economically important genera Citrus, Prunus and Vitis.

The overall number of *Xylella* spp. host plants reaches now 439 plant species, 200 genera and 69 families for category A [i.e. plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation)], till 696 plant species, 307 genera and 88 families for category E (i.e. all positives plant species reported, regardless of the detection methods).

A further update of the EFSA database on *Xylella* spp. host plants is planned for June 2024 with the aim to provide useful information and scientific support to risk assessors, risk managers and researchers dealing with *Xylella* spp.

Data are available as interactive reports on the Microstrategy platform at the following link: <https://www.efsa.europa.eu/en/microstrategy/xylella>

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 9** (doi: [10.5281/zenodo.1339343](https://doi.org/10.5281/zenodo.1339343)).

### ABBREVIATIONS

DCF	Data Collection Framework
EFSA PLH Panel	EFSA Panel on Plant Health
ELISA	enzyme-linked immunosorbent assay
EPPO	European and Mediterranean Plant Protection Organization
ETL	Extract Transform Load
PCR	polymerase chain reaction
S-DWH	EFSA Scientific Data Warehouse
ST	sequence type

### ACKNOWLEDGEMENTS

EFSA wishes to acknowledge Francesco Di Serio (member of EFSA Panel of Plant Health) for reviewing this Scientific Report. EFSA also wishes to thank Violetta Costanzo (TRASYS International) for her support in keeping updated the controlled terminologies in EFSA catalogues and support the creation of data extractions.

## CONFLICT OF INTEREST

If you wish to access the declaration of interests of any expert contributing to an EFSA scientific assessment, please contact [interestmanagement@efsa.europa.eu](mailto:interestmanagement@efsa.europa.eu).

## REQUESTOR

European Commission

## QUESTION NUMBER

EFSA-Q-2022-00816

## COPYRIGHT FOR NON-EFSA CONTENT

EFSA may include images or other content for which it does not hold copyright. In such cases, EFSA indicates the copyright holder and users should seek permission to reproduce the content from the original source.

## REFERENCES

- EFSA (European Food Safety Authority). (2010). Application of systematic review methodology to food and feed safety assessments to support decision making. *EFSA Journal*, 8(6), 1637. <https://doi.org/10.2903/j.efsa.2010.1637>
- EFSA (European Food Safety Authority). (2016). Update of a database of host plants of *Xylella fastidiosa*: 20 November 2015. *EFSA Journal*, 14(2), 4378. <https://doi.org/10.2903/j.efsa.2016.4378>
- EFSA (European Food Safety Authority). (2018). Update of the *Xylella* spp. host plant database. *EFSA Journal*, 16(9), 5408. <https://doi.org/10.2903/j.efsa.2018.5408>
- EFSA (European Food Safety Authority), Gibin, D., Pasinato, L., & Delbianco, A. (2023). Scientific report on the update of the *Xylella* spp. host plant database – Systematic literature search up to 31 December 2022. *EFSA Journal*, 21(6), 8061. <https://doi.org/10.2903/j.efsa.2023.8061>
- EPPO (European and Mediterranean Plant Protection Organization). (2023). EPPO global database. <https://gd.eppo.int>

**How to cite this article:** EFSA (European Food Safety Authority), Gibin, D., Gutierrez Linares, A., Fasanelli, E., Pasinato, L., & Delbianco, A. (2023). Update of the *Xylella* spp. host plant database – systematic literature search up to 30 June 2023. *EFSA Journal*, 21(12), e8477. <https://doi.org/10.2903/j.efsa.2023.8477>



## APPENDIX A

**Host plant species naturally infected**

List of host plant species, naturally infected, of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *fastidiosa/sandyi*, subsp. *morus*, subsp. *multiplex*, subsp. *pauca*, subsp. *sandyi*, subsp. *tashke* and *X. taiwanensis* according to categories A, B, C, D, E (as reported in Section 2.4.2):

**A.** Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**B.** The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**C.** Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**D.** Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**E.** All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation).

No.	Plant EPPO code	Plant species	Pest	Category
1	ACADA	<i>Acacia dealbata</i>	Xf subsp. unknown	A
2	ACALO	<i>Acacia longifolia</i>	Xf subsp. unknown	A
3	ACAME	<i>Acacia melanoxylon</i>	Xf subsp. unknown	A
4	ACASA	<i>Acacia saligna</i>	Xf subsp. unknown	A
5	ACRRB	<i>Acer rubrum</i>	Xf subsp. unknown	A
6	ALBJU	<i>Albizia julibrissin</i>	Xf subsp. unknown	A
7	AMARE	<i>Amaranthus retroflexus</i>	Xf subsp. unknown	A
8	AMBPS	<i>Ambrosia psilostachya</i>	Xf subsp. unknown	A
9	AMBTR	<i>Ambrosia trifida</i>	Xf subsp. unknown	A
10	AMCAR	<i>Ampelopsis arborea</i>	Xf subsp. unknown	A
11	AMCBR	<i>Ampelopsis brevipedunculata</i>	Xf subsp. unknown	A
12	AMCBH	<i>Ampelopsis brevipedunculata</i> var. <i>hancei</i>	Xf subsp. unknown	A
13	CC135A	Periwinkle (common name)	Xf subsp. unknown	A
14	CHYFR	<i>Argyranthemum frutescens</i>	Xf subsp. unknown	A
15	ASPAC	<i>Asparagus acutifolius</i>	Xf subsp. unknown	A
16	BACHA	<i>Baccharis halimifolia</i>	Xf subsp. unknown	A
17	BACSS	<i>Baccharis</i> sp.	Xf subsp. unknown	A
18	BRSSS	<i>Brassica</i> sp.	Xf subsp. unknown	A
19	CLIAM	<i>Callicarpa americana</i>	Xf subsp. unknown	A
20	CUNVU	<i>Calluna vulgaris</i>	Xf subsp. unknown	A
21	CYAAQ	<i>Carya aquatica</i>	Xf subsp. unknown	A
22	CYACA	<i>Carya cathayensis</i>	Xf subsp. unknown	A
23	CYACO	<i>Carya cordiformis</i>	Xf subsp. unknown	A
24	CYAFL	<i>Carya floridana</i>	Xf subsp. unknown	A
25	CYAGL	<i>Carya glabra</i>	Xf subsp. unknown	A
26	CYAIL	<i>Carya illinoensis</i>	Xf subsp. unknown	A
27	CYALA	<i>Carya laciniosa</i>	Xf subsp. unknown	A
28	CYAPA	<i>Carya pallida</i>	Xf subsp. unknown	A
29	CC275A	<i>Carya palmeri</i>	Xf subsp. unknown	A
30	CYATO	<i>Carya tomentosa</i>	Xf subsp. unknown	A
31	CTURO	<i>Catharanthus roseus</i>	Xf subsp. unknown	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
32	CCSOC	<i>Cercis occidentalis</i>	Xf subsp. unknown	A
33	CASFA	<i>Chamaecrista fasciculata</i>	Xf subsp. unknown	A
34	CIORE	<i>Chionanthus retusus</i>	Xf subsp. unknown	A
35	CXKTA	<i>Chitalpa tashkentensis</i>	Xf subsp. unknown	A
36	CSTIC	<i>Cistus creticus</i>	Xf subsp. unknown	A
37	CIDAU	<i>Citrus aurantium</i>	Xf subsp. unknown	A
38	CIDCE	<i>Citrus celebica</i>	Xf subsp. unknown	A
39	CIDJA	<i>Citrus jambhiri</i>	Xf subsp. unknown	A
40	CIDLI	<i>Citrus limon</i>	Xf subsp. unknown	A
41	CIDME	<i>Citrus medica</i>	Xf subsp. unknown	A
42	CIDNA	<i>Citrus natsudaikai</i>	Xf subsp. unknown	A
43	CIDPA	<i>Citrus paradisi</i>	Xf subsp. unknown	A
44	CIDRE	<i>Citrus reticulata</i>	Xf subsp. unknown	A
45	CIDSI	<i>Citrus sinensis</i>	Xf subsp. unknown	A
46	CIDSS	<i>Citrus sp.</i>	Xf subsp. unknown	A
47	CIDTG	<i>Citrus tangerina</i>	Xf subsp. unknown	A
48	CIDNO	<i>Citrus × nobilis</i>	Xf subsp. unknown	A
49	CIDRP	<i>Citrus × tangelo</i>	Xf subsp. unknown	A
50	CGACY	<i>Coelorachis cylindrica</i>	Xf subsp. unknown	A
51	COFAR	<i>Coffea arabica</i>	Xf subsp. unknown	A
52	COFSS	<i>Coffea sp.</i>	Xf subsp. unknown	A
53	COIMA	<i>Conium maculatum</i>	Xf subsp. unknown	A
54	CDTSE	<i>Cortaderia selloana</i>	Xf subsp. unknown	A
55	SAOSC	<i>Cytisus scoparius</i>	Xf subsp. unknown	A
56	CZSSS	<i>Cytisus sp.</i>	Xf subsp. unknown	A
57	DIGSS	<i>Digitaria sp.</i>	Xf subsp. unknown	A
58	DOSKA	<i>Diospyros kaki</i>	Xf subsp. unknown	A
59	DPYPA	<i>Diplocyclos palmatus</i>	Xf subsp. unknown	A
60	DODVI	<i>Dodonaea viscosa</i>	Xf subsp. unknown	A
61	EPHTE	<i>Euphorbia terracina</i>	Xf subsp. unknown	A
62	EYOCH	<i>Euryops chrysanthemoides</i>	Xf subsp. unknown	A
63	FAUCR	<i>Fagus crenata</i>	Xf subsp. unknown	A
64	FATJA	<i>Fatsia japonica</i>	Xf subsp. unknown	A
65	FIUCA	<i>Ficus carica</i>	Xf subsp. unknown	A
66	RHAFR	<i>Frangula alnus</i>	Xf subsp. unknown	A
67	FRXPE	<i>Fraxinus pennsylvanica</i>	Xf subsp. unknown	A
68	GENTR	<i>Genista triacanthos</i>	Xf subsp. unknown	A
69	QEMTR	<i>Genista tridentata</i>	Xf subsp. unknown	A
70	GIKBI	<i>Ginkgo biloba</i>	Xf subsp. unknown	A
71	CC278A	<i>Gleditsia triacanthos var. inermis</i>	Xf subsp. unknown	A
72	GREJU	<i>Grevillea juniperina</i>	Xf subsp. unknown	A
73	HELAN	<i>Helianthus annuus</i>	Xf subsp. unknown	A
74	HEGSS	<i>Hemerocallis sp.</i>	Xf subsp. unknown	A
75	HIBSH	<i>Hibiscus schizopetalus</i>	Xf subsp. unknown	A
76	HIBSY	<i>Hibiscus syriacus</i>	Xf subsp. unknown	A
77	HUMJA	<i>Humulus scandens</i>	Xf subsp. unknown	A
78	ILEVO	<i>Ilex vomitoria</i>	Xf subsp. unknown	A
79	IVAAN	<i>Iva annua</i>	Xf subsp. unknown	A
80	IACMI	<i>Jacaranda mimosifolia</i>	Xf subsp. unknown	A
81	IUGRE	<i>Juglans regia</i>	Xf subsp. unknown	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
82	IUPAS	<i>Juniperus ashei</i>	Xf subsp. unknown	A
83	LAEIN	<i>Lagerstroemia indica</i>	Xf subsp. unknown	A
84	LAESS	<i>Lagerstroemia sp.</i>	Xf subsp. unknown	A
85	LURNO	<i>Laurus nobilis</i>	Xf subsp. unknown	A
86	LAVAN	<i>Lavandula angustifolia</i>	Xf subsp. unknown	A
87	LAVDE	<i>Lavandula dentata</i>	Xf subsp. unknown	A
88	LAVSS	<i>Lavandula sp.</i>	Xf subsp. unknown	A
89	LAVST	<i>Lavandula stoechas</i>	Xf subsp. unknown	A
90	LIGLU	<i>Ligustrum lucidum</i>	Xf subsp. unknown	A
91	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. unknown	A
92	LONJA	<i>Lonicera japonica</i>	Xf subsp. unknown	A
93	LUPAD	<i>Lupinus aridorum</i>	Xf subsp. unknown	A
94	LUPVI	<i>Lupinus villosus</i>	Xf subsp. unknown	A
95	MAGGR	<i>Magnolia grandiflora</i>	Xf subsp. unknown	A
96	MLLPA	<i>Mallotus paniculatus</i>	Xf subsp. unknown	A
97	MEDSA	<i>Medicago sativa</i>	Xf subsp. unknown	A
98	MIMSS	<i>Mimosa sp.</i>	Xf subsp. unknown	A
99	MODCA	<i>Modiola caroliniana</i>	Xf subsp. unknown	A
100	MORAL	<i>Morus alba</i>	Xf subsp. unknown	A
101	MORRU	<i>Morus rubra</i>	Xf subsp. unknown	A
102	MORSS	<i>Morus sp.</i>	Xf subsp. unknown	A
103	MYMIN	<i>Myoporum insulare</i>	Xf subsp. unknown	A
104	MYVCO	<i>Myrtus communis</i>	Xf subsp. unknown	A
105	NANDO	<i>Nandina domestica</i>	Xf subsp. unknown	A
106	NPTLU	<i>Neptunia lutea</i>	Xf subsp. unknown	A
107	NEROL	<i>Nerium oleander</i>	Xf subsp. unknown	A
108	OLVEU	<i>Olea europaea</i>	Xf subsp. unknown	A
109	OLVES	<i>Olea europaea subsp. sylvestris</i>	Xf subsp. unknown	A
110	OLVSS	<i>Olea sp.</i>	Xf subsp. unknown	A
111	PRTQU	<i>Parthenocissus quinquefolia</i>	Xf subsp. unknown	A
112	PASDI	<i>Paspalum dilatatum</i>	Xf subsp. unknown	A
113	PEBAM	<i>Persea americana</i>	Xf subsp. unknown	A
114	PHXRE	<i>Phoenix reclinata</i>	Xf subsp. unknown	A
115	PHXRO	<i>Phoenix roebelenii</i>	Xf subsp. unknown	A
116	PIUTD	<i>Pinus taeda</i>	Xf subsp. unknown	A
117	PLTOC	<i>Platanus occidentalis</i>	Xf subsp. unknown	A
118	PLTSS	<i>Platanus sp.</i>	Xf subsp. unknown	A
119	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. unknown	A
120	PRNAV	<i>Prunus avium</i>	Xf subsp. unknown	A
121	PRNCF	<i>Prunus cerasifera</i>	Xf subsp. unknown	A
122	CC209A	<i>Prunus cerasifera</i> × <i>P. munsoniana</i>	Xf subsp. unknown	A
123	PRNDU	<i>Prunus dulcis</i>	Xf subsp. unknown	A
124	PRNPS	<i>Prunus persica</i>	Xf subsp. unknown	A
125	PRNSC	<i>Prunus salicina</i>	Xf subsp. unknown	A
126	PRNSS	<i>Prunus sp.</i>	Xf subsp. unknown	A
127	PTEAQ	<i>Pteridium aquilinum</i>	Xf subsp. unknown	A
128	PYECO	<i>Pyracantha coccinea</i>	Xf subsp. unknown	A
129	PYUPY	<i>Pyrus pyrifolia</i>	Xf subsp. unknown	A
130	PYUSS	<i>Pyrus sp.</i>	Xf subsp. unknown	A
131	QUECO	<i>Quercus coccinea</i>	Xf subsp. unknown	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
132	QUEFC	<i>Quercus falcata</i>	Xf subsp. unknown	A
133	QUELA	<i>Quercus laevis</i>	Xf subsp. unknown	A
134	QUELF	<i>Quercus laurifolia</i>	Xf subsp. unknown	A
135	QUENI	<i>Quercus nigra</i>	Xf subsp. unknown	A
136	QUEPA	<i>Quercus palustris</i>	Xf subsp. unknown	A
137	QUEPN	<i>Quercus pyrenaica</i>	Xf subsp. unknown	A
138	QUERO	<i>Quercus robur</i>	Xf subsp. unknown	A
139	QUERU	<i>Quercus rubra</i>	Xf subsp. unknown	A
140	QUESS	<i>Quercus sp.</i>	Xf subsp. unknown	A
141	QUESU	<i>Quercus suber</i>	Xf subsp. unknown	A
142	QUEVE	<i>Quercus velutina</i>	Xf subsp. unknown	A
143	QUEVI	<i>Quercus virginiana</i>	Xf subsp. unknown	A
144	RATCO	<i>Ratibida columnifera</i>	Xf subsp. unknown	A
145	RHAAL	<i>Rhamnus alaternus</i>	Xf subsp. unknown	A
146	RHUSS	<i>Rhus sp.</i>	Xf subsp. unknown	A
147	RUBHP	<i>Rubus hedycarpus subsp. procerus</i>	Xf subsp. unknown	A
148	RUBSS	<i>Rubus sp.</i>	Xf subsp. unknown	A
149	RMSOF	<i>Salvia rosmarinus</i>	Xf subsp. unknown	A
150	SAMCN	<i>Sambucus canadensis</i>	Xf subsp. unknown	A
151	SSAAL	<i>Sassafras albidum</i>	Xf subsp. unknown	A
152	SSASS	<i>Sassafras sp.</i>	Xf subsp. unknown	A
153	SETMG	<i>Setaria magna</i>	Xf subsp. unknown	A
154	SOOFI	<i>Solidago fistulosa</i>	Xf subsp. unknown	A
155	SPUJU	<i>Spartium junceum</i>	Xf subsp. unknown	A
156	SWTPS	<i>Stewartia pseudocamellia</i>	Xf subsp. unknown	A
157	ZMYDI	<i>Symphotrichum divaricatum</i>	Xf subsp. unknown	A
158	TRFRE	<i>Trifolium repens</i>	Xf subsp. unknown	A
159	ULEEU	<i>Ulex europaeus</i>	Xf subsp. unknown	A
160	ULEMC	<i>Ulex micranthus</i>	Xf subsp. unknown	A
161	ULEMI	<i>Ulex minor</i>	Xf subsp. unknown	A
162	ULESS	<i>Ulex sp.</i>	Xf subsp. unknown	A
163	ULMAM	<i>Ulmus americana</i>	Xf subsp. unknown	A
164	ULMGL	<i>Ulmus glabra</i>	Xf subsp. unknown	A
165	ULMPU	<i>Ulmus pumila</i>	Xf subsp. unknown	A
166	ULMSS	<i>Ulmus sp.</i>	Xf subsp. unknown	A
167	VACAH	<i>Vaccinium ashei</i>	Xf subsp. unknown	A
168	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. unknown	A
169	VACSS	<i>Vaccinium sp.</i>	Xf subsp. unknown	A
170	VACVG	<i>Vaccinium virgatum</i>	Xf subsp. unknown	A
171	VINMA	<i>Vinca major</i>	Xf subsp. unknown	A
172	VINMI	<i>Vinca minor</i>	Xf subsp. unknown	A
173	VITCL	<i>Vitis californica</i>	Xf subsp. unknown	A
174	VITCA	<i>Vitis candicans</i>	Xf subsp. unknown	A
175	VITLA	<i>Vitis labrusca</i>	Xf subsp. unknown	A
176	CC241A	<i>Vitis labrusca x V. vinifera</i>	Xf subsp. unknown	A
177	VITMU	<i>Vitis munsoniana</i>	Xf subsp. unknown	A
178	CC242A	<i>Vitis muscadina</i>	Xf subsp. unknown	A
179	VITRI	<i>Vitis riparia</i>	Xf subsp. unknown	A
180	VITRF	<i>Vitis rotundifolia</i>	Xf subsp. unknown	A
181	VITSS	<i>Vitis sp.</i>	Xf subsp. unknown	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
182	VITVI	<i>Vitis vinifera</i>	Xf subsp. unknown	A
183	ACRSC	<i>Acer saccharum</i>	Xf subsp. unknown	B
184	CYPER	<i>Cyperus eragrostis</i>	Xf subsp. unknown	B
185	HVEBR	<i>Hevea brasiliensis</i>	Xf subsp. unknown	B
186	PRNDO	<i>Prunus domestica</i>	Xf subsp. unknown	B
187	SORHA	<i>Sorghum halepense</i>	Xf subsp. unknown	B
188	ACRMA	<i>Acer macrophyllum</i>	Xf subsp. unknown	C
189	ACRNE	<i>Acer negundo</i>	Xf subsp. unknown	C
190	ACRPL	<i>Acer platanoides</i>	Xf subsp. unknown	C
191	ACRSS	<i>Acer sp.</i>	Xf subsp. unknown	C
192	AECHY	<i>Aesculus x hybrida</i>	Xf subsp. unknown	C
193	AGTAU	<i>Agathis australis</i>	Xf subsp. unknown	C
194	AGSGI	<i>Agrostis gigantea</i>	Xf subsp. unknown	C
195	AEYEX	<i>Alectryon excelsus</i>	Xf subsp. unknown	C
196	ALRFI	<i>Alternanthera ficoidea</i>	Xf subsp. unknown	C
197	AMASS	<i>Amaranthus sp.</i>	Xf subsp. unknown	C
198	BRODI	<i>Anisantha diandra</i>	Xf subsp. unknown	C
199	BRORI	<i>Anisantha rigida</i>	Xf subsp. unknown	C
200	ARYSS	<i>Arctostaphylos sp.</i>	Xf subsp. unknown	C
201	ARTDO	<i>Artemisia douglasiana</i>	Xf subsp. unknown	C
202	ATXSS	<i>Atriplex sp.</i>	Xf subsp. unknown	C
203	AVEFA	<i>Avena fatua</i>	Xf subsp. unknown	C
204	AXOCO	<i>Axonopus compressus</i>	Xf subsp. unknown	C
205	BACPI	<i>Baccharis pilularis</i>	Xf subsp. unknown	C
206	BIDPI	<i>Bidens pilosa</i>	Xf subsp. unknown	C
207	BOEDI	<i>Boerhavia diffusa</i>	Xf subsp. unknown	C
208	BOILF	<i>Borreria latifolia</i>	Xf subsp. unknown	C
209	BRADC	<i>Brachiaria decumbens</i>	Xf subsp. unknown	C
210	BRAPL	<i>Brachiaria plantaginea</i>	Xf subsp. unknown	C
211	BRGSS	<i>Brachyglottis sp.</i>	Xf subsp. unknown	C
212	BROSS	<i>Bromus sp.</i>	Xf subsp. unknown	C
213	BRNPA	<i>Broussonetia papyrifera</i>	Xf subsp. unknown	C
214	CCOSS	<i>Calicotome sp.</i>	Xf subsp. unknown	C
215	BLABI	<i>Calyptocarpus biaristatus</i>	Xf subsp. unknown	C
216	CMIRA	<i>Campsis radicans</i>	Xf subsp. unknown	C
217	CAPBP	<i>Capsella bursa-pastoris</i>	Xf subsp. unknown	C
218	CRXSS	<i>Carex sp.</i>	Xf subsp. unknown	C
219	CELOR	<i>Celastrus orbiculatus</i>	Xf subsp. unknown	C
220	CCHEC	<i>Cenchrus echinatus</i>	Xf subsp. unknown	C
221	CHEMU	<i>Chenopodium murale</i>	Xf subsp. unknown	C
222	CHRHA	<i>Chloris halophila</i>	Xf subsp. unknown	C
223	CC158A	<i>Coffea arabica</i> × <i>C. canephora</i>	Xf subsp. unknown	C
224	CC159A	<i>Coffea arabica</i> × <i>C. eugenioides</i>	Xf subsp. unknown	C
225	CC161A	<i>Coffea arabica</i> × <i>C. liberica</i> var. <i>dewevrei</i>	Xf subsp. unknown	C
226	CC162A	<i>Coffea arabica</i> × <i>C. racemosa</i>	Xf subsp. unknown	C
227	COFCA	<i>Coffea canephora</i>	Xf subsp. unknown	C
228	RDGVE	<i>Coffea racemosa</i>	Xf subsp. unknown	C
229	CC164A	<i>Coffea eugenioides</i>	Xf subsp. unknown	C
230	CC165A	<i>Coffea kapakata</i>	Xf subsp. unknown	C
231	COFEX	<i>Coffea liberica</i> var. <i>dewevrei</i>	Xf subsp. unknown	C

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
232	COFST	<i>Coffea stenophylla</i>	Xf subsp. unknown	C
233	COMBE	<i>Commelina benghalensis</i>	Xf subsp. unknown	C
234	COMER	<i>Commelina erecta</i>	Xf subsp. unknown	C
235	CONAR	<i>Convolvulus arvensis</i>	Xf subsp. unknown	C
236	CPMRE	<i>Coprosma repens</i>	Xf subsp. unknown	C
237	CPMRO	<i>Coprosma robusta</i>	Xf subsp. unknown	C
238	CDLAU	<i>Cordyline australis</i>	Xf subsp. unknown	C
239	CDLSS	<i>Cordyline sp.</i>	Xf subsp. unknown	C
240	CRWFL	<i>Cornus florida</i>	Xf subsp. unknown	C
241	CKICO	<i>Corokia cotoneaster</i>	Xf subsp. unknown	C
242	CKIMA	<i>Corokia macrocarpa</i>	Xf subsp. unknown	C
243	CKISS	<i>Corokia sp.</i>	Xf subsp. unknown	C
244	CCKLA	<i>Corynocarpus laevigatus</i>	Xf subsp. unknown	C
245	ERMSE	<i>Croton setigerus</i>	Xf subsp. unknown	C
246	CYNDA	<i>Cynodon dactylon</i>	Xf subsp. unknown	C
247	CYPSS	<i>Cyperus sp.</i>	Xf subsp. unknown	C
248	DATWR	<i>Datura wrightii</i>	Xf subsp. unknown	C
249	DIGHO	<i>Digitaria horizontalis</i>	Xf subsp. unknown	C
250	TRCIN	<i>Digitaria insularis</i>	Xf subsp. unknown	C
251	DIGSA	<i>Digitaria sanguinalis</i>	Xf subsp. unknown	C
252	DUTPL	<i>Duranta erecta</i>	Xf subsp. unknown	C
253	CHEAM	<i>Dysphania ambrosioides</i>	Xf subsp. unknown	C
254	ECHCG	<i>Echinochloa crus-galli</i>	Xf subsp. unknown	C
255	ELEIN	<i>Eleusine indica</i>	Xf subsp. unknown	C
256	ERICA	<i>Erigeron canadensis</i>	Xf subsp. unknown	C
257	ERBCO	<i>Eriochloa contracta</i>	Xf subsp. unknown	C
258	ERGSS	<i>Eriogonum sp.</i>	Xf subsp. unknown	C
259	EROBO	<i>Erodium botrys</i>	Xf subsp. unknown	C
260	EROMO	<i>Erodium moschatum</i>	Xf subsp. unknown	C
261	EROSS	<i>Erodium sp.</i>	Xf subsp. unknown	C
262	ESABI	<i>Escallonia bifida</i>	Xf subsp. unknown	C
263	EUCSS	<i>Eucalyptus sp.</i>	Xf subsp. unknown	C
264	EPHHI	<i>Euphorbia hirta</i>	Xf subsp. unknown	C
265	FACAP	<i>Facelis retusa</i>	Xf subsp. unknown	C
266	CC180A	<i>Fragaria vesca subsp. californica</i>	Xf subsp. unknown	C
267	FRXDI	<i>Fraxinus dipetala</i>	Xf subsp. unknown	C
268	FUCMA	<i>Fuchsia magellanica</i>	Xf subsp. unknown	C
269	GERDI	<i>Geranium dissectum</i>	Xf subsp. unknown	C
270	HAGER	<i>Haloragis erecta</i>	Xf subsp. unknown	C
271	HBESS	<i>Hebe sp.</i>	Xf subsp. unknown	C
272	HEEHE	<i>Hedera helix</i>	Xf subsp. unknown	C
273	HEOFR	<i>Heliotropium fruticosum</i>	Xf subsp. unknown	C
274	HEOIN	<i>Heliotropium indicum</i>	Xf subsp. unknown	C
275	HTTGR	<i>Heterotheca grandiflora</i>	Xf subsp. unknown	C
276	HORMU	<i>Hordeum murinum</i>	Xf subsp. unknown	C
277	HYEPA	<i>Hydrangea paniculata</i>	Xf subsp. unknown	C
278	HRYBR	<i>Hypochaeris brasiliensis</i>	Xf subsp. unknown	C
279	IPOFI	<i>Ipomoea fistulosa</i>	Xf subsp. unknown	C
280	LACSE	<i>Lactuca serriola</i>	Xf subsp. unknown	C
281	LECSI	<i>Leonurus sibiricus</i>	Xf subsp. unknown	C

(Continues)



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
282	LEPAU	<i>Lepidium auriculatum</i>	Xf subsp. unknown	C
283	COPDI	<i>Lepidium didymum</i>	Xf subsp. unknown	C
284	LEPRU	<i>Lepidium ruderale</i>	Xf subsp. unknown	C
285	LIGSI	<i>Ligustrum sinense</i>	Xf subsp. unknown	C
286	CC189A	<i>Ligustrum virginicum</i>	Xf subsp. unknown	C
287	LIRTU	<i>Liriodendron tulipifera</i>	Xf subsp. unknown	C
288	LOLMU	<i>Lolium multiflorum</i>	Xf subsp. unknown	C
289	LOLPE	<i>Lolium perenne</i>	Xf subsp. unknown	C
290	LUDUR	<i>Ludwigia grandiflora</i>	Xf subsp. unknown	C
291	MALPA	<i>Malva parviflora</i>	Xf subsp. unknown	C
292	MAQVU	<i>Marrubium vulgare</i>	Xf subsp. unknown	C
293	MEDPO	<i>Medicago polymorpha</i>	Xf subsp. unknown	C
294	MLQTE	<i>Melicope ternata</i>	Xf subsp. unknown	C
295	MLYRA	<i>Melicytus ramiflorus</i>	Xf subsp. unknown	C
296	MEUSS	<i>Melilotus</i> sp.	Xf subsp. unknown	C
297	MLSOF	<i>Melissa officinalis</i>	Xf subsp. unknown	C
298	MRRMA	<i>Merremia macrocalyx</i>	Xf subsp. unknown	C
299	MRYSI	<i>Meryta sinclairii</i>	Xf subsp. unknown	C
300	MTDEX	<i>Metrosideros excelsa</i>	Xf subsp. unknown	C
301	MTDSS	<i>Metrosideros</i> sp.	Xf subsp. unknown	C
302	CC195A	<i>Metrosideros kermadecensis</i>	Xf subsp. unknown	C
303	MNTLI	<i>Montiastrum lineare</i>	Xf subsp. unknown	C
304	MYMLA	<i>Myoporum laetum</i>	Xf subsp. unknown	C
305	MAJHO	<i>Origanum majorana</i>	Xf subsp. unknown	C
306	DKTAC	<i>Panicum acuminatum</i>	Xf subsp. unknown	C
307	PTNHY	<i>Parthenium hysterophorus</i>	Xf subsp. unknown	C
308	PRTTR	<i>Parthenocissus tricuspidata</i>	Xf subsp. unknown	C
309	PASUR	<i>Paspalum urvillei</i>	Xf subsp. unknown	C
310	CC200A	<i>Paspalum regnellii</i>	Xf subsp. unknown	C
311	PAQFO	<i>Passiflora foetida</i>	Xf subsp. unknown	C
312	PESCL	<i>Pennisetum clandestinum</i>	Xf subsp. unknown	C
313	POLLA	<i>Persicaria lapathifolia</i>	Xf subsp. unknown	C
314	POLPE	<i>Persicaria maculosa</i>	Xf subsp. unknown	C
315	PGASA	<i>Phagnalon saxatile</i>	Xf subsp. unknown	C
316	PHAAN	<i>Phalaris angusta</i>	Xf subsp. unknown	C
317	PHXSS	<i>Phoenix</i> sp.	Xf subsp. unknown	C
318	PHMCO	<i>Phormium colensoi</i>	Xf subsp. unknown	C
319	PHMTE	<i>Phormium tenax</i>	Xf subsp. unknown	C
320	PTUCR	<i>Pittosporum crassifolium</i>	Xf subsp. unknown	C
321	PTUEU	<i>Pittosporum eugenioides</i>	Xf subsp. unknown	C
322	PTUTE	<i>Pittosporum tenuifolium</i>	Xf subsp. unknown	C
323	PTUUM	<i>Pittosporum umbellatum</i>	Xf subsp. unknown	C
324	PLALA	<i>Plantago lanceolata</i>	Xf subsp. unknown	C
325	PLAMA	<i>Plantago major</i>	Xf subsp. unknown	C
326	PLUOD	<i>Pluchea odorata</i>	Xf subsp. unknown	C
327	POAAN	<i>Poa annua</i>	Xf subsp. unknown	C
328	POLAR	<i>Polygonum arenastrum</i>	Xf subsp. unknown	C
329	POROL	<i>Portulaca oleracea</i>	Xf subsp. unknown	C
330	PRNAN	<i>Prunus angustifolia</i>	Xf subsp. unknown	C
331	PRNLR	<i>Prunus laurocerasus</i>	Xf subsp. unknown	C



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
332	PRNSO	<i>Prunus serotina</i>	Xf subsp. unknown	C
333	PRNSL	<i>Prunus serrulata</i>	Xf subsp. unknown	C
334	CC214A	<i>Prunus simonii</i> × <i>P. salicina</i> × <i>P. cerasifera</i> × <i>P. munsoniana</i>	Xf subsp. unknown	C
335	QUEAG	<i>Quercus agrifolia</i>	Xf subsp. unknown	C
336	QUEAL	<i>Quercus alba</i>	Xf subsp. unknown	C
337	QUEIL	<i>Quercus ilex</i>	Xf subsp. unknown	C
338	QUEIM	<i>Quercus imbricaria</i>	Xf subsp. unknown	C
339	QUEIN	<i>Quercus incana</i>	Xf subsp. unknown	C
340	QUEMC	<i>Quercus macrocarpa</i>	Xf subsp. unknown	C
341	QUEPH	<i>Quercus phellos</i>	Xf subsp. unknown	C
342	RANRE	<i>Ranunculus repens</i>	Xf subsp. unknown	C
343	RAPSR	<i>Raphanus sativus</i>	Xf subsp. unknown	C
344	RHUDI	<i>Rhus diversiloba</i>	Xf subsp. unknown	C
345	RCHSS	<i>Richardia sp.</i>	Xf subsp. unknown	C
346	ROSCA	<i>Rosa californica</i>	Xf subsp. unknown	C
347	RUBUR	<i>Rubus ursinus</i>	Xf subsp. unknown	C
348	RUBVI	<i>Rubus vitifolius</i>	Xf subsp. unknown	C
349	RUMCR	<i>Rumex crispus</i>	Xf subsp. unknown	C
350	RUMSS	<i>Rumex sp.</i>	Xf subsp. unknown	C
351	SAXSS	<i>Salix sp.</i>	Xf subsp. unknown	C
352	SASKT	<i>Salsola kali</i> subsp. <i>tragus</i>	Xf subsp. unknown	C
353	SALOF	<i>Salvia officinalis</i>	Xf subsp. unknown	C
354	SAMGL	<i>Sambucus cerulea</i>	Xf subsp. unknown	C
355	SNTMA	<i>Santolina magonica</i>	Xf subsp. unknown	C
356	SENGB	<i>Senecio grisebachii</i>	Xf subsp. unknown	C
357	SENVU	<i>Senecio vulgaris</i>	Xf subsp. unknown	C
358	CC221A	<i>Senna secundiflora</i>	Xf subsp. unknown	C
359	SIDRH	<i>Sida rhombifolia</i>	Xf subsp. unknown	C
360	SLYMA	<i>Silybum marianum</i>	Xf subsp. unknown	C
361	SSYIR	<i>Sisymbrium irio</i>	Xf subsp. unknown	C
362	SOLAM	<i>Solanum americanum</i>	Xf subsp. unknown	C
363	SONOL	<i>Sonchus oleraceus</i>	Xf subsp. unknown	C
364	SONSS	<i>Sonchus sp.</i>	Xf subsp. unknown	C
365	SOBSE	<i>Sophora secundiflora</i>	Xf subsp. unknown	C
366	STAAR	<i>Stachys arvensis</i>	Xf subsp. unknown	C
367	STEME	<i>Stellaria media</i>	Xf subsp. unknown	C
368	SYZPA	<i>Syzygium paniculatum</i>	Xf subsp. unknown	C
369	TALPA	<i>Talinum paniculatum</i>	Xf subsp. unknown	C
370	TAROF	<i>Taraxacum officinale</i>	Xf subsp. unknown	C
371	TRFIN	<i>Trifolium incarnatum</i>	Xf subsp. unknown	C
372	ULEPA	<i>Ulex parviflorus</i>	Xf subsp. unknown	C
373	URTLY	<i>Urtica dioica</i> subsp. <i>gracilis</i>	Xf subsp. unknown	C
374	URTUR	<i>Urtica urens</i>	Xf subsp. unknown	C
375	VEBLI	<i>Verbena litoralis</i>	Xf subsp. unknown	C
376	VENSS	<i>Vernonia sp.</i>	Xf subsp. unknown	C
377	VERPE	<i>Veronica persica</i>	Xf subsp. unknown	C
378	VERSS	<i>Veronica sp.</i>	Xf subsp. unknown	C
379	CC226A	<i>Vicia ludoviciana</i>	Xf subsp. unknown	C
380	VIXLU	<i>Vitex lucens</i>	Xf subsp. unknown	C
381	VITAZ	<i>Vitis arizonica</i>	Xf subsp. unknown	C

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
382	VITGI	<i>Vitis girdiana</i>	Xf subsp. unknown	C
383	WSTFR	<i>Wisteria frutescens</i>	Xf subsp. unknown	C
384	XANSP	<i>Xanthium spinosum</i>	Xf subsp. unknown	C
385	CIDLO	<i>Citrus x limonia</i>	Xf subsp. unknown	D
386	COFLI	<i>Coffea liberica</i>	Xf subsp. unknown	D
387	PRNAM	<i>Prunus americana</i>	Xf subsp. unknown	D
388	PRNMS	<i>Prunus munsoniana</i>	Xf subsp. unknown	D
389	PRNSI	<i>Prunus simonii</i>	Xf subsp. unknown	D
390	SOOCA	<i>Solidago canadensis</i>	Xf subsp. unknown	D
391	PRNAR	<i>Prunus armeniaca</i>	Xf subsp. unknown	E
392	PRNHO	<i>Prunus hortulana</i>	Xf subsp. unknown	E
393	PRNME	<i>Prunus mexicana</i>	Xf subsp. unknown	E
394	ULMHO	<i>Ulmus x hollandica</i>	Xf subsp. unknown	E
395	VITAE	<i>Vitis aestivalis</i>	Xf subsp. unknown	E
396	VITBQ	<i>Vitis bourquiniana</i>	Xf subsp. unknown	E
397	VITCI	<i>Vitis cinerea</i>	Xf subsp. unknown	E
398	VITCN	<i>Vitis simpsonii</i>	Xf subsp. unknown	E
399	VITCH	<i>Vitis x champinii</i>	Xf subsp. unknown	E
400	CC256A	<i>Vitis rufofomentosa</i>	Xf subsp. unknown	E
401	CC257A	<i>Vitis shuttleworthii</i>	Xf subsp. unknown	E
No.	Plant EPPO code	Plant species	Pest	Category
1	ACRSS	<i>Acer sp.</i>	Xf subsp. fastidiosa	A
2	AMBEL	<i>Ambrosia artemisiifolia</i>	Xf subsp. fastidiosa	A
3	CCOSP	<i>Calicotome spinosa</i>	Xf subsp. fastidiosa	A
4	CCSOC	<i>Cercis occidentalis</i>	Xf subsp. fastidiosa	A
5	CSTMO	<i>Cistus monspeliensis</i>	Xf subsp. fastidiosa	A
6	CSTSS	<i>Cistus sp.</i>	Xf subsp. fastidiosa	A
7	CIDLI	<i>Citrus limon</i>	Xf subsp. fastidiosa	A
8	CIDPA	<i>Citrus paradisi</i>	Xf subsp. fastidiosa	A
9	CIDRE	<i>Citrus reticulata</i>	Xf subsp. fastidiosa	A
10	CIDSI	<i>Citrus sinensis</i>	Xf subsp. fastidiosa	A
11	COFAR	<i>Coffea arabica</i>	Xf subsp. fastidiosa	A
12	COFCA	<i>Coffea canephora</i>	Xf subsp. fastidiosa	A
13	COFSS	<i>Coffea sp.</i>	Xf subsp. fastidiosa	A
14	ELGAN	<i>Elaeagnus angustifolia</i>	Xf subsp. fastidiosa	A
15	CC270A	<i>Erysimum hybrids</i>	Xf subsp. fastidiosa	A
16	FIUCA	<i>Ficus carica</i>	Xf subsp. fastidiosa	A
17	FRXAN	<i>Fraxinus angustifolia</i>	Xf subsp. fastidiosa	A
18	GENLU	<i>Genista lucida</i>	Xf subsp. fastidiosa	A
19	IUGRE	<i>Juglans regia</i>	Xf subsp. fastidiosa	A
20	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. fastidiosa	A
21	LUPAD	<i>Lupinus aridorum</i>	Xf subsp. fastidiosa	A
22	MAGGR	<i>Magnolia grandiflora</i>	Xf subsp. fastidiosa	A
23	MEDSA	<i>Medicago sativa</i>	Xf subsp. fastidiosa	A
24	MTDSS	<i>Metrosideros sp.</i>	Xf subsp. fastidiosa	A
25	MORSS	<i>Morus sp.</i>	Xf subsp. fastidiosa	A
26	MYVCO	<i>Myrtus communis</i>	Xf subsp. fastidiosa	A
27	NEROL	<i>Nerium oleander</i>	Xf subsp. fastidiosa	A
28	PELGV	<i>Pelargonium graveolens</i>	Xf subsp. fastidiosa	A
29	PLUOD	<i>Pluchea odorata</i>	Xf subsp. fastidiosa	A
30	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. fastidiosa	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
31	PRNAV	<i>Prunus avium</i>	Xf subsp. fastidiosa	A
32	PRNDU	<i>Prunus dulcis</i>	Xf subsp. fastidiosa	A
33	PRNPS	<i>Prunus persica</i>	Xf subsp. fastidiosa	A
34	PRNSS	<i>Prunus sp.</i>	Xf subsp. fastidiosa	A
35	PSISS	<i>Psidium sp.</i>	Xf subsp. fastidiosa	A
36	QUEIL	<i>Quercus ilex</i>	Xf subsp. fastidiosa	A
37	RHAAL	<i>Rhamnus alaternus</i>	Xf subsp. fastidiosa	A
38	RUBID	<i>Rubus idaeus</i>	Xf subsp. fastidiosa	A
39	RUBDI	<i>Rubus rigidus</i>	Xf subsp. fastidiosa	A
40	RUBUR	<i>Rubus ursinus</i>	Xf subsp. fastidiosa	A
41	RUACH	<i>Ruta chalepensis</i>	Xf subsp. fastidiosa	A
42	RMSOF	<i>Salvia rosmarinus</i>	Xf subsp. fastidiosa	A
43	SAMCN	<i>Sambucus canadensis</i>	Xf subsp. fastidiosa	A
44	SAMSS	<i>Sambucus sp.</i>	Xf subsp. fastidiosa	A
45	SPUJU	<i>Spartium junceum</i>	Xf subsp. fastidiosa	A
46	STZRE	<i>Strelitzia reginae</i>	Xf subsp. fastidiosa	A
47	SRQHY	<i>Streptocarpus hybrids</i>	Xf subsp. fastidiosa	A
48	TEUCP	<i>Teucrium capitatum</i>	Xf subsp. fastidiosa	A
49	ULEEU	<i>Ulex europaeus</i>	Xf subsp. fastidiosa	A
50	ULESS	<i>Ulex sp.</i>	Xf subsp. fastidiosa	A
51	ULMAM	<i>Ulmus americana</i>	Xf subsp. fastidiosa	A
52	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. fastidiosa	A
53	VINMA	<i>Vinca major</i>	Xf subsp. fastidiosa	A
54	VINSS	<i>Vinca sp.</i>	Xf subsp. fastidiosa	A
55	VITAE	<i>Vitis aestivalis</i>	Xf subsp. fastidiosa	A
56	CC227A	<i>Vitis aestivalis hybrid</i>	Xf subsp. fastidiosa	A
57	VITCL	<i>Vitis californica</i>	Xf subsp. fastidiosa	A
58	VITCA	<i>Vitis candicans</i>	Xf subsp. fastidiosa	A
59	CC238A	<i>Vitis cinerea var. helleri</i> × <i>V. vulpina</i>	Xf subsp. fastidiosa	A
60	VITGI	<i>Vitis girdiana</i>	Xf subsp. fastidiosa	A
61	VITHD	<i>Vitis hybrids</i>	Xf subsp. fastidiosa	A
62	VITRF	<i>Vitis rotundifolia</i>	Xf subsp. fastidiosa	A
63	VITSS	<i>Vitis sp.</i>	Xf subsp. fastidiosa	A
64	VITVI	<i>Vitis vinifera</i>	Xf subsp. fastidiosa	A
65	BRNPA	<i>Broussonetia papyrifera</i>	Xf subsp. fastidiosa	C
66	QUESS	<i>Quercus sp.</i>	Xf subsp. fastidiosa	C
67	ULMSS	<i>Ulmus sp.</i>	Xf subsp. fastidiosa	C
No.	Plant EPPO code	Plant species	Pest	Category
1	ACACL	<i>Acacia cultriformis</i>	Xf subsp. multiplex	A
2	ACADA	<i>Acacia dealbata</i>	Xf subsp. multiplex	A
3	ACALO	<i>Acacia longifolia</i>	Xf subsp. multiplex	A
4	ACAME	<i>Acacia melanoxylon</i>	Xf subsp. multiplex	A
5	ACASA	<i>Acacia saligna</i>	Xf subsp. multiplex	A
6	ACASS	<i>Acacia sp.</i>	Xf subsp. multiplex	A
7	ACRGR	<i>Acer granatense</i>	Xf subsp. multiplex	A
8	ACRGS	<i>Acer griseum</i>	Xf subsp. multiplex	A
9	ACRPP	<i>Acer pseudoplatanus</i>	Xf subsp. multiplex	A
10	ACRRB	<i>Acer rubrum</i>	Xf subsp. multiplex	A
11	ADCCL	<i>Adenocarpus lainzii</i>	Xf subsp. multiplex	A
12	ALURH	<i>Alnus rhombifolia</i>	Xf subsp. multiplex	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
13	AMBPS	<i>Ambrosia psilostachya</i>	Xf subsp. multiplex	A
14	AMBSS	<i>Ambrosia</i> sp.	Xf subsp. multiplex	A
15	AMBTR	<i>Ambrosia trifida</i>	Xf subsp. multiplex	A
16	AMBTT	<i>Ambrosia trifida</i> var. <i>texana</i>	Xf subsp. multiplex	A
17	AMCCO	<i>Ampelopsis cordata</i>	Xf subsp. multiplex	A
18	AYLBJ	<i>Anthyllis barba-jovis</i>	Xf subsp. multiplex	A
19	AYLHE	<i>Anthyllis hermanniae</i>	Xf subsp. multiplex	A
20	ARDUN	<i>Arbutus unedo</i>	Xf subsp. multiplex	A
21	CHYFR	<i>Argyranthemum frutescens</i>	Xf subsp. multiplex	A
22	ARTAB	<i>Artemisia absinthium</i>	Xf subsp. multiplex	A
23	ARTAO	<i>Artemisia arborescens</i>	Xf subsp. multiplex	A
24	ARTSS	<i>Artemisia</i> sp.	Xf subsp. multiplex	A
25	ASPAC	<i>Asparagus acutifolius</i>	Xf subsp. multiplex	A
26	ATUFF	<i>Athyrium filix-femina</i>	Xf subsp. multiplex	A
27	BACHA	<i>Baccharis halimifolia</i>	Xf subsp. multiplex	A
28	BEBTH	<i>Berberis thunbergii</i>	Xf subsp. multiplex	A
29	CCOSP	<i>Calicotome spinosa</i>	Xf subsp. multiplex	A
30	CCOVI	<i>Calicotome villosa</i>	Xf subsp. multiplex	A
31	CLXCI	<i>Callistemon citrinus</i>	Xf subsp. multiplex	A
32	CUNVU	<i>Calluna vulgaris</i>	Xf subsp. multiplex	A
33	KLCBR	<i>Calocephalus brownii</i>	Xf subsp. multiplex	A
34	CYAIL	<i>Carya illinoensis</i>	Xf subsp. multiplex	A
35	CYASS	<i>Carya</i> sp.	Xf subsp. multiplex	A
36	CSNSA	<i>Castanea sativa</i>	Xf subsp. multiplex	A
37	CETOC	<i>Celtis occidentalis</i>	Xf subsp. multiplex	A
38	CCSCA	<i>Cercis canadensis</i>	Xf subsp. multiplex	A
39	CCSOC	<i>Cercis occidentalis</i>	Xf subsp. multiplex	A
40	CCSSI	<i>Cercis siliquastrum</i>	Xf subsp. multiplex	A
41	CHEAL	<i>Chenopodium album</i>	Xf subsp. multiplex	A
42	CIOSS	<i>Chionanthus</i> sp.	Xf subsp. multiplex	A
43	CSTAL	<i>Cistus albidus</i>	Xf subsp. multiplex	A
44	CSTIC	<i>Cistus creticus</i>	Xf subsp. multiplex	A
45	CSTPS	<i>Cistus inflatus</i>	Xf subsp. multiplex	A
46	CSTMO	<i>Cistus monspeliensis</i>	Xf subsp. multiplex	A
47	CSTSA	<i>Cistus salviifolius</i>	Xf subsp. multiplex	A
48	CSTSS	<i>Cistus</i> sp.	Xf subsp. multiplex	A
49	CLVCI	<i>Clematis cirrhosa</i>	Xf subsp. multiplex	A
50	CLVVT	<i>Clematis vitalba</i>	Xf subsp. multiplex	A
51	STICA	<i>Clinopodium nepeta</i>	Xf subsp. multiplex	A
52	CONCN	<i>Convolvulus cneorum</i>	Xf subsp. multiplex	A
53	CPMRE	<i>Coprosma repens</i>	Xf subsp. multiplex	A
54	CRWSA	<i>Cornus sanguinea</i>	Xf subsp. multiplex	A
55	CZRVL	<i>Coronilla valentina</i>	Xf subsp. multiplex	A
56	CZRVG	<i>Coronilla valentina</i> subsp. <i>glauca</i>	Xf subsp. multiplex	A
57	SAOSC	<i>Cytisus scoparius</i>	Xf subsp. multiplex	A
58	CZSSS	<i>Cytisus</i> sp.	Xf subsp. multiplex	A
59	CC274A	<i>Cytisus spinosa</i>	Xf subsp. multiplex	A
60	CZSVI	<i>Cytisus villosus</i>	Xf subsp. multiplex	A
61	OSPEK	<i>Dimorphotheca ecklonis</i>	Xf subsp. multiplex	A
62	OSPFR	<i>Dimorphotheca fruticosa</i>	Xf subsp. multiplex	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
63	INUVI	<i>Dittrichia viscosa</i>	Xf subsp. multiplex	A
64	DODVI	<i>Dodonaea viscosa</i>	Xf subsp. multiplex	A
65	EHIPL	<i>Echium plantagineum</i>	Xf subsp. multiplex	A
66	ELGAN	<i>Elaeagnus angustifolia</i>	Xf subsp. multiplex	A
67	ELGEB	<i>Elaeagnus × submacrophylla</i>	Xf subsp. multiplex	A
68	ENCFA	<i>Encelia farinosa</i>	Xf subsp. multiplex	A
69	EIACN	<i>Erica cinerea</i>	Xf subsp. multiplex	A
70	ERICA	<i>Erigeron canadensis</i>	Xf subsp. multiplex	A
71	ERIKA	<i>Erigeron karvinskianus</i>	Xf subsp. multiplex	A
72	ERISS	<i>Erigeron sp.</i>	Xf subsp. multiplex	A
73	ERQUM	<i>Eriocephalus africanus</i>	Xf subsp. multiplex	A
74	EROMO	<i>Erodium moschatum</i>	Xf subsp. multiplex	A
75	EYOCH	<i>Euryops chrysanthemoides</i>	Xf subsp. multiplex	A
76	EYOPE	<i>Euryops pectinatus</i>	Xf subsp. multiplex	A
77	POLCU	<i>Fallopia japonica</i>	Xf subsp. multiplex	A
78	FIUCA	<i>Ficus carica</i>	Xf subsp. multiplex	A
79	RHAFR	<i>Frangula alnus</i>	Xf subsp. multiplex	A
80	FRXAM	<i>Fraxinus americana</i>	Xf subsp. multiplex	A
81	FRXAN	<i>Fraxinus angustifolia</i>	Xf subsp. multiplex	A
82	FRXEX	<i>Fraxinus excelsior</i>	Xf subsp. multiplex	A
83	FRXSS	<i>Fraxinus sp.</i>	Xf subsp. multiplex	A
84	GAZRI	<i>Gazania rigens</i>	Xf subsp. multiplex	A
85	GENCO	<i>Genista corsica</i>	Xf subsp. multiplex	A
86	GENEP	<i>Genista ephedroides</i>	Xf subsp. multiplex	A
87	GENSC	<i>Genista scorpius</i>	Xf subsp. multiplex	A
88	GENSS	<i>Genista sp.</i>	Xf subsp. multiplex	A
89	QEMTR	<i>Genista tridentata</i>	Xf subsp. multiplex	A
90	CC279A	<i>Genista valdes-bermejoi</i>	Xf subsp. multiplex	A
91	GENSA	<i>Genista × spachiana</i>	Xf subsp. multiplex	A
92	GIKBI	<i>Ginkgo biloba</i>	Xf subsp. multiplex	A
93	GLITR	<i>Gleditsia triacanthos</i>	Xf subsp. multiplex	A
94	GREJU	<i>Grevillea juniperina</i>	Xf subsp. multiplex	A
95	GRERS	<i>Grevillea rosmarinifolia</i>	Xf subsp. multiplex	A
96	HBEEL	<i>Hebe elliptica</i>	Xf subsp. multiplex	A
97	HBESS	<i>Hebe sp.</i>	Xf subsp. multiplex	A
98	HELAN	<i>Helianthus annuus</i>	Xf subsp. multiplex	A
99	HELSS	<i>Helianthus sp.</i>	Xf subsp. multiplex	A
100	HECIT	<i>Helichrysum italicum</i>	Xf subsp. multiplex	A
101	HECSS	<i>Helichrysum sp.</i>	Xf subsp. multiplex	A
102	HECST	<i>Helichrysum stoechas</i>	Xf subsp. multiplex	A
103	HIBSY	<i>Hibiscus syriacus</i>	Xf subsp. multiplex	A
104	HYPAN	<i>Hypericum androsaemum</i>	Xf subsp. multiplex	A
105	HYPPE	<i>Hypericum perforatum</i>	Xf subsp. multiplex	A
106	ILEAQ	<i>Ilex aquifolium</i>	Xf subsp. multiplex	A
107	IVAAN	<i>Iva annua</i>	Xf subsp. multiplex	A
108	SENBI	<i>Jacobaea maritima</i>	Xf subsp. multiplex	A
109	KOTBI	<i>Koeleruteria bipinnata</i>	Xf subsp. multiplex	A
110	LAEIN	<i>Lagerstroemia indica</i>	Xf subsp. multiplex	A
111	LAESS	<i>Lagerstroemia sp.</i>	Xf subsp. multiplex	A
112	LURNO	<i>Laurus nobilis</i>	Xf subsp. multiplex	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
113	LAVAN	<i>Lavandula angustifolia</i>	Xf subsp. multiplex	A
114	LAVDE	<i>Lavandula dentata</i>	Xf subsp. multiplex	A
115	LAVLA	<i>Lavandula latifolia</i>	Xf subsp. multiplex	A
116	LAVSS	<i>Lavandula sp.</i>	Xf subsp. multiplex	A
117	LAVST	<i>Lavandula stoechas</i>	Xf subsp. multiplex	A
118	LAVHE	<i>Lavandula × heterophylla</i>	Xf subsp. multiplex	A
119	LAVIN	<i>Lavandula × intermedia</i>	Xf subsp. multiplex	A
120	LVACR	<i>Lavatera cretica</i>	Xf subsp. multiplex	A
121	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. multiplex	A
122	LONIM	<i>Lonicera implexa</i>	Xf subsp. multiplex	A
123	LONJA	<i>Lonicera japonica</i>	Xf subsp. multiplex	A
124	LONPE	<i>Lonicera periclymenum</i>	Xf subsp. multiplex	A
125	LONSS	<i>Lonicera sp.</i>	Xf subsp. multiplex	A
126	LUPAD	<i>Lupinus aridorum</i>	Xf subsp. multiplex	A
127	LUPVI	<i>Lupinus villosus</i>	Xf subsp. multiplex	A
128	MAGGR	<i>Magnolia grandiflora</i>	Xf subsp. multiplex	A
129	MAGSO	<i>Magnolia × soulangeana</i>	Xf subsp. multiplex	A
130	MEDAR	<i>Medicago arborea</i>	Xf subsp. multiplex	A
131	MEDSA	<i>Medicago sativa</i>	Xf subsp. multiplex	A
132	MENSU	<i>Mentha suaveolens</i>	Xf subsp. multiplex	A
133	MTDEX	<i>Metrosideros excelsa</i>	Xf subsp. multiplex	A
134	MTDSS	<i>Metrosideros sp.</i>	Xf subsp. multiplex	A
135	MYMLA	<i>Myoporum laetum</i>	Xf subsp. multiplex	A
136	MYMSS	<i>Myoporum sp.</i>	Xf subsp. multiplex	A
137	MYVCO	<i>Myrtus communis</i>	Xf subsp. multiplex	A
138	NEROL	<i>Nerium oleander</i>	Xf subsp. multiplex	A
139	OLVEU	<i>Olea europaea</i>	Xf subsp. multiplex	A
140	OLVES	<i>Olea europaea subsp. sylvestris</i>	Xf subsp. multiplex	A
141	OLVSS	<i>Olea sp.</i>	Xf subsp. multiplex	A
142	PELGV	<i>Pelargonium graveolens</i>	Xf subsp. multiplex	A
143	PELSS	<i>Pelargonium sp.</i>	Xf subsp. multiplex	A
144	CC135A	<i>Periwinkle (common name)</i>	Xf subsp. multiplex	A
145	PEKAB	<i>Perovskia abrotanoides</i>	Xf subsp. multiplex	A
146	PGASA	<i>Phagnalon saxatile</i>	Xf subsp. multiplex	A
147	PLRAN	<i>Phillyrea angustifolia</i>	Xf subsp. multiplex	A
148	PLMFR	<i>Phlomis fruticosa</i>	Xf subsp. multiplex	A
149	PLMIT	<i>Phlomis italica</i>	Xf subsp. multiplex	A
150	PIAVE	<i>Pistacia vera</i>	Xf subsp. multiplex	A
151	PLALA	<i>Plantago lanceolata</i>	Xf subsp. multiplex	A
152	PLTOC	<i>Platanus occidentalis</i>	Xf subsp. multiplex	A
153	PLTSS	<i>Platanus sp.</i>	Xf subsp. multiplex	A
154	PLTHY	<i>Platanus × hispanica</i>	Xf subsp. multiplex	A
155	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. multiplex	A
156	CC207A	<i>Polygala × grandiflora nana</i>	Xf subsp. multiplex	A
157	PRNAR	<i>Prunus armeniaca</i>	Xf subsp. multiplex	A
158	PRNAV	<i>Prunus avium</i>	Xf subsp. multiplex	A
159	PRNCF	<i>Prunus cerasifera</i>	Xf subsp. multiplex	A
160	PRNCE	<i>Prunus cerasus</i>	Xf subsp. multiplex	A
161	PRNDO	<i>Prunus domestica</i>	Xf subsp. multiplex	A
162	PRNDU	<i>Prunus dulcis</i>	Xf subsp. multiplex	A
163	PRNLR	<i>Prunus laurocerasus</i>	Xf subsp. multiplex	A



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
164	PRNME	<i>Prunus mexicana</i>	Xf subsp. multiplex	A
165	PRNPS	<i>Prunus persica</i>	Xf subsp. multiplex	A
166	PRNSC	<i>Prunus salicina</i>	Xf subsp. multiplex	A
167	PRNSS	<i>Prunus sp.</i>	Xf subsp. multiplex	A
168	PTEAQ	<i>Pteridium aquilinum</i>	Xf subsp. multiplex	A
169	QUECE	<i>Quercus cerris</i>	Xf subsp. multiplex	A
170	QUECO	<i>Quercus coccinea</i>	Xf subsp. multiplex	A
171	QUEFC	<i>Quercus falcata</i>	Xf subsp. multiplex	A
172	QUEIL	<i>Quercus ilex</i>	Xf subsp. multiplex	A
173	QUELA	<i>Quercus laevis</i>	Xf subsp. multiplex	A
174	QUEMC	<i>Quercus macrocarpa</i>	Xf subsp. multiplex	A
175	QUENI	<i>Quercus nigra</i>	Xf subsp. multiplex	A
176	QUEPA	<i>Quercus palustris</i>	Xf subsp. multiplex	A
177	QUEPH	<i>Quercus phellos</i>	Xf subsp. multiplex	A
178	QUEPU	<i>Quercus pubescens</i>	Xf subsp. multiplex	A
179	QUERO	<i>Quercus robur</i>	Xf subsp. multiplex	A
180	QUERU	<i>Quercus rubra</i>	Xf subsp. multiplex	A
181	QUESH	<i>Quercus shumardii</i>	Xf subsp. multiplex	A
182	QUESS	<i>Quercus sp.</i>	Xf subsp. multiplex	A
183	QUESU	<i>Quercus suber</i>	Xf subsp. multiplex	A
184	RATCO	<i>Ratibida columnifera</i>	Xf subsp. multiplex	A
185	LGOMO	<i>Retama monosperma</i>	Xf subsp. multiplex	A
186	RHAAL	<i>Rhamnus alaternus</i>	Xf subsp. multiplex	A
187	ROBPS	<i>Robinia pseudoacacia</i>	Xf subsp. multiplex	A
188	ROSCN	<i>Rosa canina</i>	Xf subsp. multiplex	A
189	ROSSS	<i>Rosa sp.</i>	Xf subsp. multiplex	A
190	RUBSS	<i>Rubus sp.</i>	Xf subsp. multiplex	A
191	RUBUL	<i>Rubus ulmifolius</i>	Xf subsp. multiplex	A
192	RUAGR	<i>Ruta graveolens</i>	Xf subsp. multiplex	A
193	SALMF	<i>Salvia mellifera</i>	Xf subsp. multiplex	A
194	SALOF	<i>Salvia officinalis</i>	Xf subsp. multiplex	A
195	RMSOF	<i>Salvia rosmarinus</i>	Xf subsp. multiplex	A
196	SALSS	<i>Salvia sp.</i>	Xf subsp. multiplex	A
197	SAMNI	<i>Sambucus nigra</i>	Xf subsp. multiplex	A
198	SAMSS	<i>Sambucus sp.</i>	Xf subsp. multiplex	A
199	SNTCH	<i>Santolina chamaecyparissus</i>	Xf subsp. multiplex	A
200	SNTMA	<i>Santolina magonica</i>	Xf subsp. multiplex	A
201	SNTSS	<i>Santolina sp.</i>	Xf subsp. multiplex	A
202	SAKSA	<i>Sapindus saponaria</i>	Xf subsp. multiplex	A
203	SXLAM	<i>Scabiosa atropurpurea var. maritima</i>	Xf subsp. multiplex	A
204	SENIQ	<i>Senecio inaequidens</i>	Xf subsp. multiplex	A
205	SOOVI	<i>Solidago virgaurea</i>	Xf subsp. multiplex	A
206	SPUJU	<i>Spartium junceum</i>	Xf subsp. multiplex	A
207	SPUSS	<i>Spartium sp.</i>	Xf subsp. multiplex	A
208	STZRE	<i>Strelitzia reginae</i>	Xf subsp. multiplex	A
209	SYRVU	<i>Syringa vulgaris</i>	Xf subsp. multiplex	A
210	ULEEU	<i>Ulex europaeus</i>	Xf subsp. multiplex	A
211	ULEMI	<i>Ulex minor</i>	Xf subsp. multiplex	A
212	ULEPA	<i>Ulex parviflorus</i>	Xf subsp. multiplex	A
213	ULESS	<i>Ulex sp.</i>	Xf subsp. multiplex	A

(Continues)



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
214	ULMAM	<i>Ulmus americana</i>	Xf subsp. multiplex	A
215	ULMCR	<i>Ulmus crassifolia</i>	Xf subsp. multiplex	A
216	ULMSS	<i>Ulmus</i> sp.	Xf subsp. multiplex	A
217	VACAH	<i>Vaccinium ashei</i>	Xf subsp. multiplex	A
218	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. multiplex	A
219	VACSS	<i>Vaccinium</i> sp.	Xf subsp. multiplex	A
220	VIBTI	<i>Viburnum tinus</i>	Xf subsp. multiplex	A
221	VINMA	<i>Vinca major</i>	Xf subsp. multiplex	A
222	VINMI	<i>Vinca minor</i>	Xf subsp. multiplex	A
223	VINSS	<i>Vinca</i> sp.	Xf subsp. multiplex	A
224	VIXAC	<i>Vitex agnus-castus</i>	Xf subsp. multiplex	A
225	WESRO	<i>Westringia fruticosa</i>	Xf subsp. multiplex	A
226	XANST	<i>Xanthium strumarium</i>	Xf subsp. multiplex	A
227	ACRPL	<i>Acer platanoides</i>	Xf subsp. multiplex	C
228	CCOSS	<i>Calicotome</i> sp.	Xf subsp. multiplex	C
229	CSTIS	<i>Cistus</i> × <i>incanus</i>	Xf subsp. multiplex	C
230	LIRTU	<i>Liriodendron tulipifera</i>	Xf subsp. multiplex	C
231	POGSS	<i>Polygala</i> sp.	Xf subsp. multiplex	C
232	CC206A	<i>Polygala</i> × <i>dalmatiana</i>	Xf subsp. multiplex	C
233	RHASS	<i>Rhamnus</i> sp.	Xf subsp. multiplex	C
234	VITVI	<i>Vitis vinifera</i>	Xf subsp. multiplex	C
No.	Plant EPPO code	Plant species	Pest	Category
1	ACASA	<i>Acacia saligna</i>	Xf subsp. pauca	A
2	ACASS	<i>Acacia</i> sp.	Xf subsp. pauca	A
3	AMARE	<i>Amaranthus retroflexus</i>	Xf subsp. pauca	A
4	CC135A	Periwinkle (common name)	Xf subsp. pauca	A
5	ASPAC	<i>Asparagus acutifolius</i>	Xf subsp. pauca	A
6	CTURO	<i>Catharanthus roseus</i>	Xf subsp. pauca	A
7	CHEAL	<i>Chenopodium album</i>	Xf subsp. pauca	A
8	CSTAL	<i>Cistus albidus</i>	Xf subsp. pauca	A
9	CSTIC	<i>Cistus creticus</i>	Xf subsp. pauca	A
10	CIDSI	<i>Citrus sinensis</i>	Xf subsp. pauca	A
11	CIDSS	<i>Citrus</i> sp.	Xf subsp. pauca	A
12	COFAR	<i>Coffea arabica</i>	Xf subsp. pauca	A
13	COFSS	<i>Coffea</i> sp.	Xf subsp. pauca	A
14	OSPFR	<i>Dimorphotheca fruticosa</i>	Xf subsp. pauca	A
15	DODVI	<i>Dodonaea viscosa</i>	Xf subsp. pauca	A
16	ELGAN	<i>Elaeagnus angustifolia</i>	Xf subsp. pauca	A
17	EMHMA	<i>Eremophila maculata</i>	Xf subsp. pauca	A
18	ERIBO	<i>Erigeron bonariensis</i>	Xf subsp. pauca	A
19	ERISS	<i>Erigeron</i> sp.	Xf subsp. pauca	A
20	ERISU	<i>Erigeron sumatrensis</i>	Xf subsp. pauca	A
21	EPHCH	<i>Euphorbia chamaesyce</i>	Xf subsp. pauca	A
22	EPHTE	<i>Euphorbia terracina</i>	Xf subsp. pauca	A
23	GENHS	<i>Genista hirsuta</i>	Xf subsp. pauca	A
24	GREJU	<i>Grevillea juniperina</i>	Xf subsp. pauca	A
25	HBESS	<i>Hebe</i> sp.	Xf subsp. pauca	A
26	HEOEU	<i>Heliotropium europaeum</i>	Xf subsp. pauca	A
27	HIBRS	<i>Hibiscus rosa-sinensis</i>	Xf subsp. pauca	A
28	HIBSS	<i>Hibiscus</i> sp.	Xf subsp. pauca	A
29	LURNO	<i>Laurus nobilis</i>	Xf subsp. pauca	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
30	LAVAN	<i>Lavandula angustifolia</i>	Xf subsp. pauca	A
31	LAVDE	<i>Lavandula dentata</i>	Xf subsp. pauca	A
32	LAVSS	<i>Lavandula sp.</i>	Xf subsp. pauca	A
33	LAVST	<i>Lavandula stoechas</i>	Xf subsp. pauca	A
34	MYMIN	<i>Myoporum insulare</i>	Xf subsp. pauca	A
35	MYVCO	<i>Myrtus communis</i>	Xf subsp. pauca	A
36	NEROL	<i>Nerium oleander</i>	Xf subsp. pauca	A
37	OLVEU	<i>Olea europaea</i>	Xf subsp. pauca	A
38	OLVES	<i>Olea europaea subsp. sylvestris</i>	Xf subsp. pauca	A
39	PELFR	<i>Pelargonium fragrans</i>	Xf subsp. pauca	A
40	PELSS	<i>Pelargonium sp.</i>	Xf subsp. pauca	A
41	PLRLA	<i>Phillyrea latifolia</i>	Xf subsp. pauca	A
42	PIAVE	<i>Pistacia vera</i>	Xf subsp. pauca	A
43	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. pauca	A
44	PRNAV	<i>Prunus avium</i>	Xf subsp. pauca	A
45	PRNDO	<i>Prunus domestica</i>	Xf subsp. pauca	A
46	PRNDU	<i>Prunus dulcis</i>	Xf subsp. pauca	A
47	PRNSS	<i>Prunus sp.</i>	Xf subsp. pauca	A
48	RHAAL	<i>Rhamnus alaternus</i>	Xf subsp. pauca	A
49	RMSOF	<i>Salvia rosmarinus</i>	Xf subsp. pauca	A
50	SPUJU	<i>Spartium junceum</i>	Xf subsp. pauca	A
51	THYVU	<i>Thymus vulgaris</i>	Xf subsp. pauca	A
52	ULEPA	<i>Ulex parviflorus</i>	Xf subsp. pauca	A
53	VINMI	<i>Vinca minor</i>	Xf subsp. pauca	A
54	WESRO	<i>Westringia fruticosa</i>	Xf subsp. pauca	A
55	WESGL	<i>Westringia glabra</i>	Xf subsp. pauca	A
56	POGSS	<i>Polygala sp.</i>	Xf subsp. pauca	C
57	PRNPS	<i>Prunus persica</i>	Xf subsp. pauca	C
58	QUEIL	<i>Quercus ilex</i>	Xf subsp. pauca	C
59	SALOF	<i>Salvia officinalis</i>	Xf subsp. pauca	C
No.	Plant EPPO code	Plant species	Pest	Category
1	COFAR	<i>Coffea arabica</i>	Xf subsp. fastidiosa/sandyi	A
2	COFCA	<i>Coffea canephora</i>	Xf subsp. fastidiosa/sandyi	A
No.	Plant EPPO code	Plant species	Pest	Category
1	MORAL	<i>Morus alba</i>	Xf subsp. morus	A
2	MORRU	<i>Morus rubra</i>	Xf subsp. morus	A
3	MORSS	<i>Morus sp.</i>	Xf subsp. morus	A
4	NANDO	<i>Nandina domestica</i>	Xf subsp. morus	A
No.	Plant EPPO code	Plant species	Pest	Category
1	COFAR	<i>Coffea arabica</i>	Xf subsp. sandyi	A
2	COFSS	<i>Coffea sp.</i>	Xf subsp. sandyi	A
3	HEGSS	<i>Hemerocallis sp.</i>	Xf subsp. sandyi	A
4	IACMI	<i>Jacaranda mimosifolia</i>	Xf subsp. sandyi	A
5	MAGGR	<i>Magnolia grandiflora</i>	Xf subsp. sandyi	A
6	NANDO	<i>Nandina domestica</i>	Xf subsp. sandyi	A
7	NEROL	<i>Nerium oleander</i>	Xf subsp. sandyi	A
8	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. sandyi	C
No.	Plant EPPO code	Plant species	Pest	Category
1	CXKTA	<i>Chitalpa tashkentensis</i>	Xf subsp. tashke	A
No.	Plant EPPO code	Plant species	Pest	Category
1	PYUPY	<i>Pyrus pyrifolia</i>	X. taiwanensis	A

## APPENDIX B

### Host plant species artificially infected

List of host plant species, artificially infected, of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *morus*, subsp. *multiplex*, subsp. *pauca*, subsp. *sandyi* and subsp. *tashke* according to categories A, B, C, D, E (as reported in Section 2.4.2):

**A.** Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**B.** The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**C.** Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**D.** Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**E.** All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation).

No.	Plant EPO code	Plant species	Pest	Category
1	ACRMA	<i>Acer macrophyllum</i>	Xf subsp. unknown	A
2	ACRNE	<i>Acer negundo</i>	Xf subsp. unknown	A
3	AECCA	<i>Aesculus californica</i>	Xf subsp. unknown	A
4	ALURH	<i>Alnus rhombifolia</i>	Xf subsp. unknown	A
5	AMBEL	<i>Ambrosia artemisiifolia</i>	Xf subsp. unknown	A
6	AMBSS	<i>Ambrosia sp.</i>	Xf subsp. unknown	A
7	CC135A	<i>Periwinkle (common name)</i>	Xf subsp. unknown	A
8	ARBTH	<i>Arabidopsis thaliana</i>	Xf subsp. unknown	A
9	ARTDO	<i>Artemisia douglasiana</i>	Xf subsp. unknown	A
10	BACPI	<i>Baccharis pilularis</i>	Xf subsp. unknown	A
11	BACSF	<i>Baccharis salicifolia</i>	Xf subsp. unknown	A
12	BRSNI	<i>Brassica nigra</i>	Xf subsp. unknown	A
13	CYAIL	<i>Carya illinoensis</i>	Xf subsp. unknown	A
14	CTURO	<i>Catharanthus roseus</i>	Xf subsp. unknown	A
15	CIDAF	<i>Citrus aurantiifolia</i>	Xf subsp. unknown	A
16	CIDCL	<i>Citrus clementina</i>	Xf subsp. unknown	A
17	CC153A	<i>Citrus clementina x C. sinensis</i>	Xf subsp. unknown	A
18	CIDJA	<i>Citrus jambhiri</i>	Xf subsp. unknown	A
19	CIDRH	<i>Citrus reshni</i>	Xf subsp. unknown	A
20	CIDRE	<i>Citrus reticulata</i>	Xf subsp. unknown	A
21	CIDSI	<i>Citrus sinensis</i>	Xf subsp. unknown	A
22	CIDSS	<i>Citrus sp.</i>	Xf subsp. unknown	A
23	CIDRA	<i>Citrus sunki</i>	Xf subsp. unknown	A
24	CIDUN	<i>Citrus unshiu</i>	Xf subsp. unknown	A
25	CIDLO	<i>Citrus x limonia</i>	Xf subsp. unknown	A
26	CIDNO	<i>Citrus x nobilis</i>	Xf subsp. unknown	A
27	COFAR	<i>Coffea arabica</i>	Xf subsp. unknown	A
28	COFSS	<i>Coffea sp.</i>	Xf subsp. unknown	A
29	COIMA	<i>Conium maculatum</i>	Xf subsp. unknown	A
30	CPMRE	<i>Coprosma repens</i>	Xf subsp. unknown	A
31	CORSA	<i>Coriandrum sativum</i>	Xf subsp. unknown	A
32	CYPER	<i>Cyperus eragrostis</i>	Xf subsp. unknown	A

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
33	ECHCG	<i>Echinochloa crus-galli</i>	Xf subsp. unknown	A
34	FAGES	<i>Fagopyrum esculentum</i>	Xf subsp. unknown	A
35	FRXLA	<i>Fraxinus latifolia</i>	Xf subsp. unknown	A
36	CC181A	<i>Hakea petiolaris</i>	Xf subsp. unknown	A
37	HEEHE	<i>Hedera helix</i>	Xf subsp. unknown	A
38	LOUMA	<i>Lobularia maritima</i>	Xf subsp. unknown	A
39	MEDSA	<i>Medicago sativa</i>	Xf subsp. unknown	A
40	MORAL	<i>Morus alba</i>	Xf subsp. unknown	A
41	MORSS	<i>Morus sp.</i>	Xf subsp. unknown	A
42	NEROL	<i>Nerium oleander</i>	Xf subsp. unknown	A
43	NIOBE	<i>Nicotiana benthamiana</i>	Xf subsp. unknown	A
44	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. unknown	A
45	PRTQU	<i>Parthenocissus quinquefolia</i>	Xf subsp. unknown	A
46	PEBAM	<i>Persea americana</i>	Xf subsp. unknown	A
47	PLTOC	<i>Platanus occidentalis</i>	Xf subsp. unknown	A
48	POPFR	<i>Populus fremontii</i>	Xf subsp. unknown	A
49	PRNCF	<i>Prunus cerasifera</i>	Xf subsp. unknown	A
50	PRNDU	<i>Prunus dulcis</i>	Xf subsp. unknown	A
51	PRNPS	<i>Prunus persica</i>	Xf subsp. unknown	A
52	PRNSC	<i>Prunus salicina</i>	Xf subsp. unknown	A
53	PRNSS	<i>Prunus sp.</i>	Xf subsp. unknown	A
54	PYUPY	<i>Pyrus pyrifolia</i>	Xf subsp. unknown	A
55	QUEAG	<i>Quercus agrifolia</i>	Xf subsp. unknown	A
56	QUELO	<i>Quercus lobata</i>	Xf subsp. unknown	A
57	QUERU	<i>Quercus rubra</i>	Xf subsp. unknown	A
58	RHUDI	<i>Rhus diversiloba</i>	Xf subsp. unknown	A
59	ROSCA	<i>Rosa californica</i>	Xf subsp. unknown	A
60	RUBHP	<i>Rubus hedycarpus subsp. procerus</i>	Xf subsp. unknown	A
61	RUBDI	<i>Rubus rigidus</i>	Xf subsp. unknown	A
62	RUBUR	<i>Rubus ursinus</i>	Xf subsp. unknown	A
63	SAXLG	<i>Salix laevigata</i>	Xf subsp. unknown	A
64	SAXLL	<i>Salix lasiolepis</i>	Xf subsp. unknown	A
65	SALAP	<i>Salvia apiana</i>	Xf subsp. unknown	A
66	SALMF	<i>Salvia mellifera</i>	Xf subsp. unknown	A
67	SAMCN	<i>Sambucus canadensis</i>	Xf subsp. unknown	A
68	SAMSS	<i>Sambucus sp.</i>	Xf subsp. unknown	A
69	SPUJU	<i>Spartium junceum</i>	Xf subsp. unknown	A
70	SWAGA	<i>Swainsona galegifolia</i>	Xf subsp. unknown	A
71	SYPAL	<i>Symphoricarpos albus</i>	Xf subsp. unknown	A
72	TLNMO	<i>Teline monspessulana</i>	Xf subsp. unknown	A
73	ULMAM	<i>Ulmus americana</i>	Xf subsp. unknown	A
74	UMBCA	<i>Umbellularia californica</i>	Xf subsp. unknown	A
75	URTDI	<i>Urtica dioica</i>	Xf subsp. unknown	A
76	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. unknown	A
77	VACSS	<i>Vaccinium sp.</i>	Xf subsp. unknown	A
78	VICSA	<i>Vicia sativa</i>	Xf subsp. unknown	A
79	VINMA	<i>Vinca major</i>	Xf subsp. unknown	A
80	VINMI	<i>Vinca minor</i>	Xf subsp. unknown	A
81	CC229A	<i>Vitis arizonica x V. rupestris</i>	Xf subsp. unknown	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
82	CC233A	<i>Vitis arizonica/candicans</i> x <i>V. rupestris</i>	Xf subsp. unknown	A
83	VITCL	<i>Vitis californica</i>	Xf subsp. unknown	A
84	CC241A	<i>Vitis labrusca</i> x <i>V. vinifera</i>	Xf subsp. unknown	A
85	VITRF	<i>Vitis rotundifolia</i>	Xf subsp. unknown	A
86	CC244A	<i>Vitis rotundifolia</i> x <i>V. rupestris</i>	Xf subsp. unknown	A
87	VITRU	<i>Vitis rupestris</i>	Xf subsp. unknown	A
88	VITSS	<i>Vitis</i> sp.	Xf subsp. unknown	A
89	VITVI	<i>Vitis vinifera</i>	Xf subsp. unknown	A
90	MORRU	<i>Morus rubra</i>	Xf subsp. unknown	
91	PRNDO	<i>Prunus domestica</i>	Xf subsp. unknown	B
92	CC232A	<i>Vitis arizonica/candicans</i>	Xf subsp. unknown	B
93	CC249A	<i>Vitis aestivalis</i> var. <i>smalliana</i>	Xf subsp. unknown	B
94	CC256A	<i>Vitis rufotomentosa</i>	Xf subsp. unknown	B
95	FRSAC	<i>Ambrosia acanthicarpa</i>	Xf subsp. unknown	C
96	AMBT	<i>Ambrosia trifida</i> var. <i>texana</i>	Xf subsp. unknown	C
97	AMSDO	<i>Amsinckia douglasiana</i>	Xf subsp. unknown	C
98	BRORI	<i>Anisantha rigida</i>	Xf subsp. unknown	C
99	AVEFA	<i>Avena fatua</i>	Xf subsp. unknown	C
100	BRAPL	<i>Brachiaria plantaginea</i>	Xf subsp. unknown	C
101	BROSS	<i>Bromus</i> sp.	Xf subsp. unknown	C
102	CSPCH	<i>Callistephus chinensis</i>	Xf subsp. unknown	C
103	CNNS	<i>Canna</i> sp.	Xf subsp. unknown	C
104	BROCA	<i>Ceratochloa cathartica</i>	Xf subsp. unknown	C
105	CC154A	<i>Citrus deliciosa</i> x <i>C. sinensis</i>	Xf subsp. unknown	C
106	CIDME	<i>Citrus medica</i>	Xf subsp. unknown	C
107	CIDTG	<i>Citrus tangerina</i>	Xf subsp. unknown	C
108	CIDRP	<i>Citrus x tangelo</i>	Xf subsp. unknown	C
109	GODGR	<i>Clarkia amoena</i> subsp. <i>lindleyi</i>	Xf subsp. unknown	C
110	CPMBA	<i>Coprosma baueri</i>	Xf subsp. unknown	C
111	CTTRT	<i>Cotoneaster rotundifolius</i>	Xf subsp. unknown	C
112	CYNDA	<i>Cynodon dactylon</i>	Xf subsp. unknown	C
113	CYPES	<i>Cyperus esculentus</i>	Xf subsp. unknown	C
114	SAOSC	<i>Cytisus scoparius</i>	Xf subsp. unknown	C
115	DAUCS	<i>Daucus carota</i> subsp. <i>sativus</i>	Xf subsp. unknown	C
116	DIGSA	<i>Digitaria sanguinalis</i>	Xf subsp. unknown	C
117	CHEAM	<i>Dysphania ambrosioides</i>	Xf subsp. unknown	C
118	EPIPC	<i>Epilobium brachycarpum</i>	Xf subsp. unknown	C
119	EPICT	<i>Epilobium ciliatum</i>	Xf subsp. unknown	C
120	ERADF	<i>Eragrostis diffusa</i>	Xf subsp. unknown	C
121	EROCI	<i>Erodium cicutarium</i>	Xf subsp. unknown	C
122	POLCO	<i>Fallopia convolvulus</i>	Xf subsp. unknown	C
123	GREAL	<i>Grevillea alpina</i>	Xf subsp. unknown	C
124	HELAN	<i>Helianthus annuus</i>	Xf subsp. unknown	C
125	HORMU	<i>Hordeum murinum</i>	Xf subsp. unknown	C
126	HORVX	<i>Hordeum vulgare</i>	Xf subsp. unknown	C
127	IVAAN	<i>Iva annua</i>	Xf subsp. unknown	C
128	LACSE	<i>Lactuca serriola</i>	Xf subsp. unknown	C
129	LTHCI	<i>Lathyrus cicera</i>	Xf subsp. unknown	C
130	LTHCL	<i>Lathyrus clymenum</i>	Xf subsp. unknown	C

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
131	LTHSA	<i>Lathyrus sativus</i>	Xf subsp. unknown	C
132	LEKLA	<i>Leptospermum laevigatum</i>	Xf subsp. unknown	C
133	LOLMU	<i>Lolium multiflorum</i>	Xf subsp. unknown	C
134	LOLTE	<i>Lolium temulentum</i>	Xf subsp. unknown	C
135	LONJA	<i>Lonicera japonica</i>	Xf subsp. unknown	C
136	MEUAL	<i>Melilotus albus</i>	Xf subsp. unknown	C
137	MEUAA	<i>Melilotus albus var. annuus</i>	Xf subsp. unknown	C
138	MEUIN	<i>Melilotus indicus</i>	Xf subsp. unknown	C
139	MEUOF	<i>Melilotus officinalis</i>	Xf subsp. unknown	C
140	MENSS	<i>Mentha sp.</i>	Xf subsp. unknown	C
141	OENSA	<i>Oenanthe sarmentosa</i>	Xf subsp. unknown	C
142	OEOEL	<i>Oenothera elata</i>	Xf subsp. unknown	C
143	OLVEU	<i>Olea europaea</i>	Xf subsp. unknown	C
144	PRTRR	<i>Parthenocissus tricuspidata</i>	Xf subsp. unknown	C
145	PASDI	<i>Paspalum dilatatum</i>	Xf subsp. unknown	C
146	PELZO	<i>Pelargonium x hortorum</i>	Xf subsp. unknown	C
147	PESCL	<i>Pennisetum clandestinum</i>	Xf subsp. unknown	C
148	PESGL	<i>Pennisetum glaucum</i>	Xf subsp. unknown	C
149	POLPE	<i>Persicaria maculosa</i>	Xf subsp. unknown	C
150	PHAMI	<i>Phalaris minor</i>	Xf subsp. unknown	C
151	PHAPA	<i>Phalaris paradoxa</i>	Xf subsp. unknown	C
152	PHLPR	<i>Phleum pratense</i>	Xf subsp. unknown	C
153	PHNAR	<i>Photinia arbutifolia</i>	Xf subsp. unknown	C
154	PTUCR	<i>Pittosporum crassifolium</i>	Xf subsp. unknown	C
155	PLTSS	<i>Platanus sp.</i>	Xf subsp. unknown	C
156	POAAN	<i>Poa annua</i>	Xf subsp. unknown	C
157	PMITR	<i>Poncirus trifoliata</i>	Xf subsp. unknown	C
158	RESOD	<i>Reseda odorata</i>	Xf subsp. unknown	C
159	RHERP	<i>Rheum rhaponticum</i>	Xf subsp. unknown	C
160	RUBVI	<i>Rubus vitifolius</i>	Xf subsp. unknown	C
161	RUMCR	<i>Rumex crispus</i>	Xf subsp. unknown	C
162	SAMGL	<i>Sambucus cerulea</i>	Xf subsp. unknown	C
163	SONAS	<i>Sonchus asper</i>	Xf subsp. unknown	C
164	SORHA	<i>Sorghum halepense</i>	Xf subsp. unknown	C
165	SORSU	<i>Sorghum x drummondii</i>	Xf subsp. unknown	C
166	SYRVU	<i>Syringa vulgaris</i>	Xf subsp. unknown	C
167	SYZPA	<i>Syzygium paniculatum</i>	Xf subsp. unknown	C
168	TRFFR	<i>Trifolium fragiferum</i>	Xf subsp. unknown	C
169	TRFHY	<i>Trifolium hybridum</i>	Xf subsp. unknown	C
170	TRFIN	<i>Trifolium incarnatum</i>	Xf subsp. unknown	C
171	TRFPR	<i>Trifolium pratense</i>	Xf subsp. unknown	C
172	TRFRE	<i>Trifolium repens</i>	Xf subsp. unknown	C
173	CC260A	<i>Trifolium repens var. latum</i>	Xf subsp. unknown	C
174	URTLY	<i>Urtica dioica subsp. gracilis</i>	Xf subsp. unknown	C
175	VICMO	<i>Vicia monantha</i>	Xf subsp. unknown	C
176	VITAC	<i>Vitis acerifolia</i>	Xf subsp. unknown	C
177	VITAE	<i>Vitis aestivalis</i>	Xf subsp. unknown	C
178	VITAZ	<i>Vitis arizonica</i>	Xf subsp. unknown	C
179	CC271A	<i>Vitis arizonica hybrid</i>	Xf subsp. unknown	C
180	CC234A	<i>Vitis arizonica/girdiana</i>	Xf subsp. unknown	C

(Continues)



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
181	CC235A	<i>Vitis arizonica/girdiana x V. rupestris</i>	Xf subsp. unknown	C
182	VITBE	<i>Vitis berlandieri</i>	Xf subsp. unknown	C
183	VITCA	<i>Vitis candicans</i>	Xf subsp. unknown	C
184	VITCI	<i>Vitis cinerea</i>	Xf subsp. unknown	C
185	CC239A	<i>Vitis cinerea x V. berlandieri</i>	Xf subsp. unknown	C
186	VITGI	<i>Vitis girdiana</i>	Xf subsp. unknown	C
187	VITLA	<i>Vitis labrusca</i>	Xf subsp. unknown	C
188	VITLI	<i>Vitis lincecumii</i>	Xf subsp. unknown	C
189	VITMO	<i>Vitis monticola</i>	Xf subsp. unknown	C
190	VITMU	<i>Vitis munsoniana</i>	Xf subsp. unknown	C
191	VITPA	<i>Vitis palmata</i>	Xf subsp. unknown	C
192	VITRI	<i>Vitis riparia</i>	Xf subsp. unknown	C
193	VITCN	<i>Vitis simpsonii</i>	Xf subsp. unknown	C
194	VITTI	<i>Vitis tiliaefolia</i>	Xf subsp. unknown	C
195	VITVU	<i>Vitis vulpina</i>	Xf subsp. unknown	C
196	VITCH	<i>Vitis x champinii</i>	Xf subsp. unknown	C
197	CC252A	<i>Vitis aestivalis var. smalliana x V. simpsonii</i>	Xf subsp. unknown	C
198	VITBL	<i>Vitis bloodwothiana</i>	Xf subsp. unknown	C
199	VITNE	<i>Vitis nesbittiana</i>	Xf subsp. unknown	C
200	CC257A	<i>Vitis shuttleworthii</i>	Xf subsp. unknown	C
201	VLPMY	<i>Vulpia myuros</i>	Xf subsp. unknown	C
202	XANOR	<i>Xanthium orientale</i>	Xf subsp. unknown	C
203	CC138A	<i>(Prunus salicina x P. angustifolia) x (P. salicina x P. munsoniana)</i>	Xf subsp. unknown	D
204	PRNAN	<i>Prunus angustifolia</i>	Xf subsp. unknown	D
205	PRNAV	<i>Prunus avium</i>	Xf subsp. unknown	D
206	CC210A	<i>Prunus cerasifera x P. salicina</i>	Xf subsp. unknown	D
207	CC213A	<i>Prunus salicina x (P. salicina x P. cerasifera)</i>	Xf subsp. unknown	D
208	CC231A	<i>Vitis arizonica x V. vinifera</i>	Xf subsp. unknown	D
209	CHEQU	<i>Chenopodium quinoa</i>	Xf subsp. unknown	E
210	CJCWE	<i>Citroncirus webberi</i>	Xf subsp. unknown	E
211	CIDMA	<i>Citrus macrophylla</i>	Xf subsp. unknown	E
212	NIOCL	<i>Nicotiana clevelandii</i>	Xf subsp. unknown	E
213	PRNAR	<i>Prunus armeniaca</i>	Xf subsp. unknown	E
214	PRNHO	<i>Prunus hortulana</i>	Xf subsp. unknown	E
215	PRNME	<i>Prunus mexicana</i>	Xf subsp. unknown	E
216	PRNMM	<i>Prunus mume</i>	Xf subsp. unknown	E
No.	Plant EPPO code	Plant species	Pest	Category
1	AMABL	<i>Amaranthus blitoides</i>	Xf subsp. fastidiosa	A
2	FRSAC	<i>Ambrosia acanthicarpa</i>	Xf subsp. fastidiosa	A
3	AMBEL	<i>Ambrosia artemisiifolia</i>	Xf subsp. fastidiosa	A
4	CTURO	<i>Catharanthus roseus</i>	Xf subsp. fastidiosa	A
5	CHEQU	<i>Chenopodium quinoa</i>	Xf subsp. fastidiosa	A
6	COIMA	<i>Conium maculatum</i>	Xf subsp. fastidiosa	A
7	CONAR	<i>Convolvulus arvensis</i>	Xf subsp. fastidiosa	A
8	CYPES	<i>Cyperus esculentus</i>	Xf subsp. fastidiosa	A
9	DATWR	<i>Datura wrightii</i>	Xf subsp. fastidiosa	A
10	ECHCG	<i>Echinochloa crus-galli</i>	Xf subsp. fastidiosa	A
11	ERICA	<i>Erigeron canadensis</i>	Xf subsp. fastidiosa	A



(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
12	ERBGR	<i>Eriochloa gracilis</i>	Xf subsp. fastidiosa	A
13	EROMO	<i>Erodium moschatum</i>	Xf subsp. fastidiosa	A
14	EUCCM	<i>Eucalyptus camaldulensis</i>	Xf subsp. fastidiosa	A
15	EUCGL	<i>Eucalyptus globulus</i>	Xf subsp. fastidiosa	A
16	HELAN	<i>Helianthus annuus</i>	Xf subsp. fastidiosa	A
17	PHBPU	<i>Ipomoea purpurea</i>	Xf subsp. fastidiosa	A
18	LACSE	<i>Lactuca serriola</i>	Xf subsp. fastidiosa	A
19	MALPA	<i>Malva parviflora</i>	Xf subsp. fastidiosa	A
20	MEDSA	<i>Medicago sativa</i>	Xf subsp. fastidiosa	A
21	NIOGL	<i>Nicotiana glauca</i>	Xf subsp. fastidiosa	A
22	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. fastidiosa	A
23	POPTR	<i>Populus tremula</i>	Xf subsp. fastidiosa	A
24	POROL	<i>Portulaca oleracea</i>	Xf subsp. fastidiosa	A
25	PRNDU	<i>Prunus dulcis</i>	Xf subsp. fastidiosa	A
26	PRNSS	<i>Prunus sp.</i>	Xf subsp. fastidiosa	A
27	RUBUR	<i>Rubus ursinus</i>	Xf subsp. fastidiosa	A
28	RUMCR	<i>Rumex crispus</i>	Xf subsp. fastidiosa	A
29	SAXAL	<i>Salix alba</i>	Xf subsp. fastidiosa	A
30	SMMCH	<i>Simmondsia chinensis</i>	Xf subsp. fastidiosa	A
31	LYPES	<i>Solanum lycopersicum</i>	Xf subsp. fastidiosa	A
32	SOLME	<i>Solanum melongena</i>	Xf subsp. fastidiosa	A
33	SONOL	<i>Sonchus oleraceus</i>	Xf subsp. fastidiosa	A
34	SORHA	<i>Sorghum halepense</i>	Xf subsp. fastidiosa	A
35	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. fastidiosa	A
36	VACSS	<i>Vaccinium sp.</i>	Xf subsp. fastidiosa	A
37	VICFX	<i>Vicia faba</i>	Xf subsp. fastidiosa	A
38	VICSA	<i>Vicia sativa</i>	Xf subsp. fastidiosa	A
39	VITSS	<i>Vitis sp.</i>	Xf subsp. fastidiosa	A
40	VITVI	<i>Vitis vinifera</i>	Xf subsp. fastidiosa	A
41	CC247A	<i>Vitis vinifera hybrid</i>	Xf subsp. fastidiosa	A
42	XANST	<i>Xanthium strumarium</i>	Xf subsp. fastidiosa	A
43	ARBTH	<i>Arabidopsis thaliana</i>	Xf subsp. fastidiosa	B
44	CHYHO	<i>Dendranthema x grandiflorum</i>	Xf subsp. fastidiosa	C
45	LURNO	<i>Laurus nobilis</i>	Xf subsp. fastidiosa	C
46	MYVCO	<i>Myrtus communis</i>	Xf subsp. fastidiosa	C
47	NIOBE	<i>Nicotiana benthamiana</i>	Xf subsp. fastidiosa	C
48	OLVEU	<i>Olea europaea</i>	Xf subsp. fastidiosa	C
49	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. fastidiosa	C
50	POPCN	<i>Populus x canescens</i>	Xf subsp. fastidiosa	C
51	PRNAR	<i>Prunus armeniaca</i>	Xf subsp. fastidiosa	C
52	PRNDO	<i>Prunus domestica</i>	Xf subsp. fastidiosa	C
53	CC211A	<i>Prunus dulcis x P. webbii</i>	Xf subsp. fastidiosa	C
54	PRNPS	<i>Prunus persica</i>	Xf subsp. fastidiosa	C
55	CC212A	<i>Prunus persica x P. webbii</i>	Xf subsp. fastidiosa	C
56	PRNWE	<i>Prunus webbii</i>	Xf subsp. fastidiosa	C
57	PYUCO	<i>Pyrus communis</i>	Xf subsp. fastidiosa	C
58	QUEPE	<i>Quercus petraea</i>	Xf subsp. fastidiosa	C
59	RUBDI	<i>Rubus rigidus</i>	Xf subsp. fastidiosa	C
60	SAXCP	<i>Salix caprea</i>	Xf subsp. fastidiosa	C
61	SAMCN	<i>Sambucus canadensis</i>	Xf subsp. fastidiosa	C

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
62	VINMA	<i>Vinca major</i>	Xf subsp. fastidiosa	C
63	VITAC	<i>Vitis acerifolia</i>	Xf subsp. fastidiosa	C
64	VITAE	<i>Vitis aestivalis</i>	Xf subsp. fastidiosa	C
65	VITAZ	<i>Vitis arizonica</i>	Xf subsp. fastidiosa	C
66	CC232A	<i>Vitis arizonica/candicans</i>	Xf subsp. fastidiosa	C
67	VITBE	<i>Vitis berlandieri</i>	Xf subsp. fastidiosa	C
68	VITCL	<i>Vitis californica</i>	Xf subsp. fastidiosa	C
69	VITCA	<i>Vitis candicans</i>	Xf subsp. fastidiosa	C
70	CC237A	<i>Vitis champinii</i> x ( <i>V. solonis</i> x <i>V. othello</i> )	Xf subsp. fastidiosa	C
71	VITCI	<i>Vitis cinerea</i>	Xf subsp. fastidiosa	C
72	VITGI	<i>Vitis girdiana</i>	Xf subsp. fastidiosa	C
73	VITLA	<i>Vitis labrusca</i>	Xf subsp. fastidiosa	C
74	VITMO	<i>Vitis monticola</i>	Xf subsp. fastidiosa	C
75	VITRI	<i>Vitis riparia</i>	Xf subsp. fastidiosa	C
76	VITRU	<i>Vitis rupestris</i>	Xf subsp. fastidiosa	C
77	VITTI	<i>Vitis tiliaefolia</i>	Xf subsp. fastidiosa	C
78	VITTL	<i>Vitis treleasei</i>	Xf subsp. fastidiosa	C
79	VITVU	<i>Vitis vulpina</i>	Xf subsp. fastidiosa	C
80	CC277A	<i>Vitis</i> × <i>doaniana</i>	Xf subsp. fastidiosa	C
81	VITNE	<i>Vitis nesbittiana</i>	Xf subsp. fastidiosa	C
82	CC257A	<i>Vitis shuttleworthii</i>	Xf subsp. fastidiosa	C
83	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. fastidiosa	E
No.	Plant EPPO code	Plant species	Pest	Category
1	ACRRB	<i>Acer rubrum</i>	Xf subsp. multiplex	A
2	AMBEL	<i>Ambrosia artemisiifolia</i>	Xf subsp. multiplex	A
3	CYAIL	<i>Carya illinoensis</i>	Xf subsp. multiplex	A
4	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. multiplex	A
5	MEDSA	<i>Medicago sativa</i>	Xf subsp. multiplex	A
6	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. multiplex	A
7	OLVEU	<i>Olea europaea</i>	Xf subsp. multiplex	A
8	PIAVE	<i>Pistacia vera</i>	Xf subsp. multiplex	A
9	PLTOC	<i>Platanus occidentalis</i>	Xf subsp. multiplex	A
10	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. multiplex	A
11	PRNCF	<i>Prunus cerasifera</i>	Xf subsp. multiplex	A
12	PRNDU	<i>Prunus dulcis</i>	Xf subsp. multiplex	A
13	PRNPS	<i>Prunus persica</i>	Xf subsp. multiplex	A
14	PRNSS	<i>Prunus</i> sp.	Xf subsp. multiplex	A
15	QUEFC	<i>Quercus falcata</i>	Xf subsp. multiplex	A
16	RUBFR	<i>Rubus fruticosus</i>	Xf subsp. multiplex	A
17	RUBUR	<i>Rubus ursinus</i>	Xf subsp. multiplex	A
18	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. multiplex	A
19	VITVI	<i>Vitis vinifera</i>	Xf subsp. multiplex	A
20	BIDPI	<i>Bidens pilosa</i>	Xf subsp. multiplex	C
21	CTURO	<i>Catharanthus roseus</i>	Xf subsp. multiplex	C
22	LEPRU	<i>Lepidium ruderale</i>	Xf subsp. multiplex	C
23	MABSD	<i>Malus domestica</i>	Xf subsp. multiplex	C
24	NEROL	<i>Nerium oleander</i>	Xf subsp. multiplex	C
25	PRNAR	<i>Prunus armeniaca</i>	Xf subsp. multiplex	C
26	PRNAV	<i>Prunus avium</i>	Xf subsp. multiplex	C
27	PRNDO	<i>Prunus domestica</i>	Xf subsp. multiplex	C

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
28	CC212A	<i>Prunus persica</i> x <i>P. webbii</i>	Xf subsp. multiplex	C
29	PRNSC	<i>Prunus salicina</i>	Xf subsp. multiplex	C
30	PRNWE	<i>Prunus webbii</i>	Xf subsp. multiplex	C
31	PYUCO	<i>Pyrus communis</i>	Xf subsp. multiplex	C
32	QUEPE	<i>Quercus petraea</i>	Xf subsp. multiplex	C
33	RAPSR	<i>Raphanus sativus</i>	Xf subsp. multiplex	C
34	SAXAL	<i>Salix alba</i>	Xf subsp. multiplex	C
35	SOLAM	<i>Solanum americanum</i>	Xf subsp. multiplex	C
36	VACSS	<i>Vaccinium</i> sp.	Xf subsp. multiplex	E
No.	Plant EPPO code	Plant species	Pest	Category
1	BIDPI	<i>Bidens pilosa</i>	Xf subsp. pauca	A
2	BRADC	<i>Brachiaria decumbens</i>	Xf subsp. pauca	A
3	BRAPL	<i>Brachiaria plantaginea</i>	Xf subsp. pauca	A
4	CTURO	<i>Catharanthus roseus</i>	Xf subsp. pauca	A
5	CIDRE	<i>Citrus reticulata</i>	Xf subsp. pauca	A
6	CIDSI	<i>Citrus sinensis</i>	Xf subsp. pauca	A
7	CIDSS	<i>Citrus</i> sp.	Xf subsp. pauca	A
8	CIDNO	<i>Citrus x nobilis</i>	Xf subsp. pauca	A
9	COFAR	<i>Coffea arabica</i>	Xf subsp. pauca	A
10	COFSS	<i>Coffea</i> sp.	Xf subsp. pauca	A
11	ECHCG	<i>Echinochloa crus-galli</i>	Xf subsp. pauca	A
12	IASAZ	<i>Jasminum azoricum</i>	Xf subsp. pauca	A
13	MEDSA	<i>Medicago sativa</i>	Xf subsp. pauca	A
14	NEROL	<i>Nerium oleander</i>	Xf subsp. pauca	A
15	NIOCL	<i>Nicotiana clevelandii</i>	Xf subsp. pauca	A
16	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. pauca	A
17	OCIBA	<i>Ocimum basilicum</i>	Xf subsp. pauca	A
18	OLVEU	<i>Olea europaea</i>	Xf subsp. pauca	A
19	POGMY	<i>Polygala myrtifolia</i>	Xf subsp. pauca	A
20	SOLAM	<i>Solanum americanum</i>	Xf subsp. pauca	A
21	ARBTH	<i>Arabidopsis thaliana</i>	Xf subsp. pauca	B
22	CC135A	Periwinkle (common name)	Xf subsp. pauca	C
23	CHEAL	<i>Chenopodium album</i>	Xf subsp. pauca	C
24	DIGHO	<i>Digitaria horizontalis</i>	Xf subsp. pauca	C
25	LEPRU	<i>Lepidium ruderales</i>	Xf subsp. pauca	C
26	MABSD	<i>Malus domestica</i>	Xf subsp. pauca	C
27	PRNAV	<i>Prunus avium</i>	Xf subsp. pauca	C
28	PRNDO	<i>Prunus domestica</i>	Xf subsp. pauca	C
29	PRNDU	<i>Prunus dulcis</i>	Xf subsp. pauca	C
30	PYUCO	<i>Pyrus communis</i>	Xf subsp. pauca	C
31	QUEPE	<i>Quercus petraea</i>	Xf subsp. pauca	C
32	RAPSR	<i>Raphanus sativus</i>	Xf subsp. pauca	C
33	SAXAL	<i>Salix alba</i>	Xf subsp. pauca	C
34	RMSOF	<i>Salvia rosmarinus</i>	Xf subsp. pauca	C
35	VITVI	<i>Vitis vinifera</i>	Xf subsp. pauca	C
No.	Plant EPPO code	Plant species	Pest	Category
1	MORAL	<i>Morus alba</i>	Xf subsp. morus	A
2	NEROL	<i>Nerium oleander</i>	Xf subsp. morus	A
No.	Plant EPPO code	Plant species	Pest	Category
1	CTURO	<i>Catharanthus roseus</i>	Xf subsp. sandyi	A
2	MEDSA	<i>Medicago sativa</i>	Xf subsp. sandyi	A

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
3	NEROL	<i>Nerium oleander</i>	Xf subsp. sandyi	A
4	PRNDU	<i>Prunus dulcis</i>	Xf subsp. sandyi	A
5	VINMA	<i>Vinca major</i>	Xf subsp. sandyi	A
6	COFAR	<i>Coffea arabica</i>	Xf subsp. sandyi	C
7	MABSD	<i>Malus domestica</i>	Xf subsp. sandyi	C
8	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. sandyi	C
9	OLVEU	<i>Olea europaea</i>	Xf subsp. sandyi	C
10	PYUCO	<i>Pyrus communis</i>	Xf subsp. sandyi	C
11	VITVI	<i>Vitis vinifera</i>	Xf subsp. sandyi	C
No.	Plant EPPO code	Plant species	Pest	Category
1	NIOBE	<i>Nicotiana benthamiana</i>	Xf subsp. tashke	C

## APPENDIX C

**Host plant species infected in unspecified conditions**

List of host plant species, infected in conditions not specified (i.e. the kind of infection (natural or artificial) was not specified in the reference), of *X. fastidiosa* subsp. unknown (i.e. not reported in the publication), subsp. *fastidiosa*, subsp. *multi-plex*, subsp. *pauca* and subsp. *sandyi* according to categories A, B, C, D, E (as reported in Section 2.4.2):

**A.** Plant species positive with at least two detection methods (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**B.** The same as point A, but also including microscopy: plant species positive with at least two detection methods (among: microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation) or positive with one method (between: sequencing, pure culture isolation).

**C.** Plant species positive with at least one detection method (among: symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**D.** Plant species positive with at least one detection method including microscopy (microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing and pure culture isolation).

**E.** All positives plant species reported, regardless of the detection methods (positive records but without the detection method specified, symptom observations, microscopy, symptoms observation on the test plant in experimental vector transmission, ELISA, other immunological techniques, PCR-based methods, sequencing, pure culture isolation).

No.	Plant EPPO code	Plant species	Pest	Category
1	AMCAR	<i>Ampelopsis arborea</i>	Xf subsp. unknown	A
2	CTURO	<i>Catharanthus roseus</i>	Xf subsp. unknown	A
3	CTUSS	<i>Catharanthus sp.</i>	Xf subsp. unknown	A
4	CIDJA	<i>Citrus jambhiri</i>	Xf subsp. unknown	A
5	CIDSI	<i>Citrus sinensis</i>	Xf subsp. unknown	A
6	COFAR	<i>Coffea arabica</i>	Xf subsp. unknown	A
7	HIBSH	<i>Hibiscus schizopetalus</i>	Xf subsp. unknown	A
8	MORNI	<i>Morus nigra</i>	Xf subsp. unknown	A
9	NEROL	<i>Nerium oleander</i>	Xf subsp. unknown	A
10	PRNPS	<i>Prunus persica</i>	Xf subsp. unknown	A
11	PRNSS	<i>Prunus sp.</i>	Xf subsp. unknown	A
12	SAMCN	<i>Sambucus canadensis</i>	Xf subsp. unknown	A
13	VITMU	<i>Vitis munsoniana</i>	Xf subsp. unknown	A
14	VITRF	<i>Vitis rotundifolia</i>	Xf subsp. unknown	A
15	VITSS	<i>Vitis sp.</i>	Xf subsp. unknown	A
16	VITVI	<i>Vitis vinifera</i>	Xf subsp. unknown	A
17	AMBSS	<i>Ambrosia sp.</i>	Xf subsp. unknown	B
18	CC135A	<i>Periwinkle (common name)</i>	Xf subsp. unknown	B
19	ACRSS	<i>Acer sp.</i>	Xf subsp. unknown	C
20	CYAIL	<i>Carya illinoensis</i>	Xf subsp. unknown	C
21	CIDSS	<i>Citrus sp.</i>	Xf subsp. unknown	C
22	PRNDU	<i>Prunus dulcis</i>	Xf subsp. unknown	C
23	PRNSC	<i>Prunus salicina</i>	Xf subsp. unknown	C
24	PYUSS	<i>Pyrus sp.</i>	Xf subsp. unknown	C
25	TLNMO	<i>Teline monspessulana</i>	Xf subsp. unknown	C
26	VACDA	<i>Vaccinium darrowii</i>	Xf subsp. unknown	C
27	VACSS	<i>Vaccinium sp.</i>	Xf subsp. unknown	C
28	PRNAN	<i>Prunus angustifolia</i>	Xf subsp. unknown	D
29	VITLA	<i>Vitis labrusca</i>	Xf subsp. unknown	D
30	MORSS	<i>Morus sp.</i>	Xf subsp. unknown	E
31	NIOTA	<i>Nicotiana tabacum</i>	Xf subsp. unknown	E

(Continues)

(Continued)

No.	Plant EPPO code	Plant species	Pest	Category
1	AMBEL	<i>Ambrosia artemisiifolia</i>	Xf subsp. fastidiosa	A
2	LUPSS	<i>Lupinus sp.</i>	Xf subsp. fastidiosa	A
3	PRNDU	<i>Prunus dulcis</i>	Xf subsp. fastidiosa	A
4	SAMSS	<i>Sambucus sp.</i>	Xf subsp. fastidiosa	A
5	VITRF	<i>Vitis rotundifolia</i>	Xf subsp. fastidiosa	A
6	VITSS	<i>Vitis sp.</i>	Xf subsp. fastidiosa	A
7	VITVI	<i>Vitis vinifera</i>	Xf subsp. fastidiosa	A
No.	Plant EPPO code	Plant species	Pest	Category
1	AMBTR	<i>Ambrosia trifida</i>	Xf subsp. multiplex	A
2	MORSS	<i>Morus sp.</i>	Xf subsp. multiplex	A
3	PLTSS	<i>Platanus sp.</i>	Xf subsp. multiplex	A
4	PRNCF	<i>Prunus cerasifera</i>	Xf subsp. multiplex	A
5	PRNDO	<i>Prunus domestica</i>	Xf subsp. multiplex	A
6	PRNDU	<i>Prunus dulcis</i>	Xf subsp. multiplex	A
7	PRNSC	<i>Prunus salicina</i>	Xf subsp. multiplex	A
8	QUESS	<i>Quercus sp.</i>	Xf subsp. multiplex	A
9	RUBFR	<i>Rubus fruticosus</i>	Xf subsp. multiplex	A
10	RUBSS	<i>Rubus sp.</i>	Xf subsp. multiplex	A
11	VACCO	<i>Vaccinium corymbosum</i>	Xf subsp. multiplex	A
12	CC225A	<i>Vaccinium corymbosum</i> x <i>V. angustifolium</i> hybrid	Xf subsp. multiplex	A
13	VINSS	<i>Vinca sp.</i>	Xf subsp. multiplex	A
14	LIQST	<i>Liquidambar styraciflua</i>	Xf subsp. multiplex	C
15	QUELA	<i>Quercus laevis</i>	Xf subsp. multiplex	C
16	QUERU	<i>Quercus rubra</i>	Xf subsp. multiplex	C
No.	Plant EPPO code	Plant species	Pest	Category
1	CIDSI	<i>Citrus sinensis</i>	Xf subsp. pauca	A
2	CIDSS	<i>Citrus sp.</i>	Xf subsp. pauca	A
3	COFSS	<i>Coffea sp.</i>	Xf subsp. pauca	A
4	HIBFR	<i>Hibiscus fragilis</i>	Xf subsp. pauca	A
5	HIBSS	<i>Hibiscus sp.</i>	Xf subsp. pauca	A
6	NEROL	<i>Nerium oleander</i>	Xf subsp. pauca	A
7	PRNDO	<i>Prunus domestica</i>	Xf subsp. pauca	A
8	PRNSS	<i>Prunus sp.</i>	Xf subsp. pauca	A
No.	Plant EPPO code	Plant species	Pest	Category
1	COFAR	<i>Coffea arabica</i>	Xf subsp. sandyi	A
2	NEROL	<i>Nerium oleander</i>	Xf subsp. sandyi	C

## APPENDIX D

***Xylella fastidiosa* Multilocus sequence types**

Number of records for each plant species natural, artificial and infected in not specified conditions by different multilocus sequence types (STs). The records for natural infection are divided per country. In general, the subspecies and the STs are reported as in the publication. If the subspecies and/or the STs are inferred from another publication or obtained from personal communication of the author of the publication, a note is added in the genotyping comment column of the excel file available in Zenodo in the EFSA Knowledge Junction community (doi: [10.5281/zenodo.1339343](https://doi.org/10.5281/zenodo.1339343)). Abbreviations: AR (Argentina), BR (Brazil), CR (Costa Rica), EC (Ecuador), FR (France), HN (Honduras), IL (Italy), MX (Mexico), PT (Portugal), ES (Spain), US (United States of America).

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection			
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total
<b><i>fastidiosa</i></b>			<b>22</b>				<b>2</b>		<b>21</b>	<b>6</b>	<b>82</b>	<b>137</b>		<b>270</b>	<b>256</b>	<b>9</b>	<b>535</b>
<b>ST01</b>							<b>2</b>		<b>18</b>	<b>1</b>	<b>82</b>	<b>105</b>		<b>208</b>	<b>250</b>	<b>2</b>	<b>460</b>
<i>Acer</i> sp.												1		1			1
<i>Amaranthus blitoides</i>															1		1
<i>Ambrosia acanthicarpa</i>															2		2
<i>Calicotome spinosa</i>										4				4			4
<i>Catharanthus roseus</i>															2		2
<i>Cercis occidentalis</i>												1		1			1
<i>Chenopodium quinoa</i>															2		2
<i>Cistus monspeliensis</i>										2				2			2
<i>Citrus sinensis</i>												1		1			1
<i>Conium maculatum</i>															2		2
<i>Convolvulus arvensis</i>															1		1
<i>Cyperus esculentus</i>															1		1
<i>Datura wrightii</i>															1		1
<i>Echinochloa crus-galli</i>															1		1
<i>Erigeron canadensis</i>															1		1
<i>Eriochloa gracilis</i>															1		1
<i>Erodium moschatum</i>															2		2
<i>Eucalyptus camaldulensis</i>															2		2
<i>Eucalyptus globulus</i>															1		1
<i>Ficus carica</i>										1				1			1
<i>Genista lucida</i>										3				3			3
<i>Helianthus annuus</i>															3		3
<i>Ipomoea purpurea</i>															2		2

(Continues)



X. fastidiosa subspecies/ sequence type	Natural													Artificial infection			Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total			
														Total	Total	Total				
<i>Juglans regia</i>															4				4	
<i>Lactuca serriola</i>																		3		3
<i>Malva parviflora</i>																		2		2
<i>Medicago sativa</i>											3				3			11		14
<i>Metrosideros</i> sp.												1			1					1
<i>Nicotiana benthamiana</i>																		1		1
<i>Nicotiana glauca</i>																		2		2
<i>Nicotiana tabacum</i>																		1		1
<i>Olea europaea</i>																		1		1
<i>Pluchea odorata</i>													1		1					1
<i>Polygala myrtifolia</i>											3				3			1		4
<i>Portulaca oleracea</i>																		1		1
<i>Prunus avium</i>															13	2				13
<i>Prunus domestica</i>																		1		1
<i>Prunus dulcis</i>							2				19	23			44			42	1	87
<i>Quercus ilex</i>										1					1					1
<i>Rhamnus alaternus</i>											8				8					8
<i>Rubus ursinus</i>																		2		2
<i>Rumex crispus</i>																		1		1
<i>Ruta chalepensis</i>											3				3					3
<i>Salix alba</i>																		1		1
<i>Sambucus canadensis</i>															2	2				2
<i>Sambucus</i> sp.															1					1
<i>Simmondsia chinensis</i>																		2		2
<i>Solanum lycopersicum</i>																		1		1
<i>Solanum melongena</i>																		1		1
<i>Sonchus oleraceus</i>																		1		1
<i>Sorghum halepense</i>																		1		1
<i>Spartium junceum</i>																		1		1
<i>Teucrium capitatum</i>											3				3					3
<i>Vaccinium corymbosum</i>															2	2				4

(Continued)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total		
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total	Total
												Total	Total	Total				
<i>Vaccinium sp.</i>															5			5
<i>Vicia faba</i>															1			1
<i>Vicia sativa</i>															1			1
<i>Vitis aestivalis</i>											2			2				2
<i>Vitis girdiana</i>											1			1				1
<i>Vitis sp.</i>								2			31			33		1		34
<i>Vitis vinifera</i>								16			32	21		69	128			197
<i>Vitis vinifera hybrid</i>														9				9
<i>Xanthium strumarium</i>														3				3
<b>ST02</b>														<b>31</b>	<b>5</b>	<b>7</b>		<b>43</b>
<i>Ambrosia artemisiifolia</i>											2			2		1		3
<i>Citrus limon</i>									1					1				1
<i>Citrus paradisi</i>									1					1				1
<i>Coffea sp.</i>											1			1				1
<i>Elaeagnus angustifolia</i>										1				1				1
<i>Myrtus communis</i>										1				1				1
<i>Polygala myrtifolia</i>															1			1
<i>Prunus domestica</i>															1			1
<i>Quercus petraea</i>															1			1
<i>Salix alba</i>															1			1
<i>Ulex europaeus</i>															1			1
<i>Vitis hybrids</i>											2			2				2
<i>Vitis rotundifolia</i>											6			6		1		7
<i>Vitis sp.</i>											5			5				5
<i>Vitis vinifera</i>											10			10		5		16
<b>ST03</b>														<b>1</b>	<b>1</b>	<b>5</b>		<b>1</b>
<i>Lupinus aridorum</i>											1			1				1
<b>ST04</b>														<b>5</b>	<b>1</b>	<b>5</b>		<b>6</b>
<i>Medicago sativa</i>															1			1
<i>Vitis sp.</i>											4			4				4

(Continues)



(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection			Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total	
<i>Citrus sinensis</i>	1													1				1
<i>Coffea arabica</i>	2													2				2
<b>ST72</b>	1													1				1
<i>Coffea arabica</i>	1													1				1
<b>ST75</b>								3						3				3
<i>Coffea canephora</i>								3						3				3
<b>ST76</b>	2													2				2
<i>Coffea arabica</i>	2													2				2
<b>ST77</b>	1													1				1
<i>Coffea arabica</i>	1													1				1
<b><i>fastidiosa/sandyi</i></b>	3							1						4				4
<b>ST72</b>	2													2				2
<i>Coffea arabica</i>	2													2				2
<b>ST75</b>								1						1				1
<i>Coffea canephora</i>								1						1				1
<b>ST76</b>	1													1				1
<i>Coffea arabica</i>	1													1				1
<b><i>morus</i></b>												25		25				25
<b>ST29</b>												10		10				10
<i>Morus alba</i>												4		4				4
<i>Morus rubra</i>												4		4				4
<i>Morus sp.</i>												2		2				2
<b>ST30</b>												5		5				5
<i>Morus alba</i>												4		4				4
<i>Nandina domestica</i>												1		1				1
<b>1ST1</b>												6		6				6
<i>Morus sp.</i>												6		6				6
<b>ST62</b>												4		4				4
<i>Morus alba</i>												4		4				4
<b>multiplex</b>		6							103	267	231			895	126	16		1037

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural													Artificial infection			Not specified		Grand Total				
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total						
	ST06													211	57	1	269						
<i>Acacia saligna</i>												17		4		155			4		4		4
<i>Acer granatense</i>											1					1					1		1
<i>Asparagus acutifolius</i>											1					1					1		1
<i>Calicotome spinosa</i>											6					6					6		6
<i>Calicotome villosa</i>					1											1					1		1
<i>Catharanthus roseus</i>																				1			1
<i>Cistus albidus</i>											5					5							5
<i>Cistus monspeliensis</i>					1						2					3							3
<i>Cistus salviifolius</i>											2					2							2
<i>Coronilla valentina</i>					1											1							1
<i>Euryops chrysanthemoides</i>					1											1							1
<i>Genista scorpius</i>											1					1							1
<i>Helichrysum italicum</i>					1						13					14							14
<i>Helichrysum stoechas</i>											6					6							6
<i>Laurus nobilis</i>					1						4					5							5
<i>Lavandula angustifolia</i>					1						2					3							3
<i>Lavandula dentata</i>											4					4							4
<i>Lavandula latifolia</i>											3					3							3
<i>Lavandula sp.</i>					1											1							1
<i>Lavandula stoechas</i>					1											1							1
<i>Lavandula x heterophylla</i>					1											1							1
<i>Lavandula x intermedia</i>					1						1					2							2
<i>Medicago sativa</i>																				4			4
<i>Nicotiana tabacum</i>																				5			5
<i>Olea europaea</i>											2	3				5				31			36
<i>Phagnalon saxatile</i>											4					4							4
<i>Polygala myrtifolia</i>											7					17				1			18
<i>Prunus armeniaca</i>											6					6							6
<i>Prunus avium</i>					1											1							1
<i>Prunus cerasifera</i>					1											1				1			2

(Continued)

X. fastidiosa subspecies/ sequence type	Natural													Artificial infection		Not specified infection		Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total	
<i>Prunus cerasus</i>					1									1				1
<i>Prunus domestica</i>										6				6				6
<i>Prunus dulcis</i>										55	14			69	9	1		79
<i>Quercus petraea</i>															1			1
<i>Rhamnus alaternus</i>										7				7				7
<i>Rosa canina</i>			1											1				1
<i>Rubus ursinus</i>															1			1
<i>Salix alba</i>															1			1
<i>Salvia rosmarinus</i>										7				7				7
<i>Santolina chamaecyparissus</i>										2				2				2
<i>Spartium junceum</i>					13					1				14				14
<i>Spartium</i> sp.					1									1				1
<i>Ulex parviflorus</i>										2				2				2
<i>Viburnum tinus</i>										1				1				1
<i>Vitis vinifera</i>																2		2
<b>ST06 and ST07</b>					<b>1</b>									<b>1</b>				<b>1</b>
<i>Cistus monspeliensis</i>					1									1				1
<b>ST06 and/or ST07</b>					<b>76</b>									<b>76</b>				<b>76</b>
<i>Acacia dealbata</i>					1									1				1
<i>Acer pseudoplatanus</i>					2									2				2
<i>Anthyllis hermannieae</i>					1									1				1
<i>Artemisia arborescens</i>					2									2				2
<i>Asparagus acutifolius</i>					2									2				2
<i>Calicotome villosa</i>					1									1				1
<i>Cercis siliquastrum</i>					1									1				1
<i>Cistus creticus</i>					1									1				1
<i>Cistus monspeliensis</i>					2									2				2
<i>Cistus salvifolius</i>					2									2				2
<i>Coronilla valentina</i>					2									2				2
<i>Cytisus scoparius</i>					1									1				1
<i>Cytisus</i> sp.					2									2				2

(Continues)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection			Grand Total
	Natural											Artificial infection			Not specified infection			
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total	
<i>Cytisus villosus</i>					1									1				1
<i>Euryops chrysanthemoides</i>					1									1				1
<i>Genista corsica</i>					1									1				1
<i>Genista ephedroides</i>					2									2				2
<i>Genista x spachiana</i>					2									2				2
<i>Hebe sp.</i>					2									2				2
<i>Helichrysum italicum</i>					3									3				3
<i>Lavandula angustifolia</i>					2									2				2
<i>Lavandula dentata</i>					2									2				2
<i>Lavandula sp.</i>					3									3				3
<i>Lavandula stoechas</i>					2									2				2
<i>Lavandula x heterophylla</i>					2									2				2
<i>Lavandula x intermedia</i>					3									3				3
<i>Medicago sativa</i>					1									1				1
<i>Metrosideros excelsa</i>					2									2				2
<i>Myrtus communis</i>					2									2				2
<i>Pelargonium graveolens</i>					2									2				2
<i>Pelargonium sp.</i>					2									2				2
<i>Phagnalon saxatile</i>					1									1				1
<i>Polygala myrtifolia</i>					7									7				7
<i>Polygala sp.</i>					1									1				1
<i>Prunus cerasifera</i>					2									2				2
<i>Prunus dulcis</i>					1									1				1
<i>Quercus suber</i>					2									2				2
<i>Rosa canina</i>					1									1				1
<i>Salvia rosmarinus</i>					2									2				2
<i>Spartium junceum</i>					3									3				3
<i>Westringia fruticosa</i>					1									1				1
<b>ST07</b>					<b>37</b>									<b>103</b>				<b>200</b>
<i>Acacia dealbata</i>					1									1				1
<i>Acacia longifolia</i>														2				2
<i>Acacia melanoxylon</i>														1				1

(Continued)



(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total
												Total	Total	Total			
<i>Adenocarpus lainzii</i>										2				2			2
<i>Artemisia arborescens</i>									2					2			2
<i>Artemisia sp.</i>									2					2			2
<i>Asparagus acutifolius</i>									1					1			1
<i>Athyrium filix-femina</i>									1					1			1
<i>Berberis thunbergii</i>									1					1			1
<i>Calicotome spinosa</i>											1			1			1
<i>Calluna vulgaris</i>									1					1			1
<i>Catharanthus roseus</i>															1		1
<i>Cistus creticus</i>					1									1			1
<i>Cistus inflatus</i>									3					3			3
<i>Cistus monspeliensis</i>					2									2			2
<i>Cistus salviifolius</i>									1					1			1
<i>Convolvulus cneorum</i>					2									2			2
<i>Coprosma repens</i>									3					3			3
<i>Coronilla valentina subsp. glauca</i>					2									2			2
<i>Cytisus scoparius</i>									3					3			3
<i>Dimorphotheca ecklonis</i>									1					1			1
<i>Dodonaea viscosa</i>									2					2			2
<i>Echium plantagineum</i>									1					1			1
<i>Elaeagnus x submacrophylla</i>									1					1			1
<i>Erica cinerea</i>									1					1			1
<i>Erigeron canadensis</i>									1					1			1
<i>Erodium moschatum</i>									1					1			1
<i>Euryops chrysanthemoides</i>					1									1			2
<i>Frangula alnus</i>									1					1			1
<i>Gazania rigens</i>									2					2			2
<i>Genista corsica</i>					1									1			1
<i>Genista tridentata</i>									1					1			1
<i>Hebe sp.</i>									3					3			3
<i>Helichrysum italicum</i>														2			2

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural													Artificial infection			Not specified infection		Grand Total			
														Total	Total	Total	Total					
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown					Total				
<i>Hibiscus syriacus</i>															1						1	
<i>Hypericum androsaemum</i>															1							1
<i>Hypericum perforatum</i>															1							1
<i>Ilex aquifolium</i>															2							2
<i>Laurus nobilis</i>															1							1
<i>Lavandula angustifolia</i>															2							2
<i>Lavandula dentata</i>															6							6
<i>Lavandula sp.</i>															1							1
<i>Lavandula stoechas</i>															1							1
<i>Lavatera cretica</i>															1							1
<i>Lonicera periclymenum</i>															1							1
<i>Magnolia grandiflora</i>															3							3
<i>Magnolia x soulangeana</i>															1							1
<i>Medicago sativa</i>															3							3
<i>Metrosideros excelsa</i>															2							2
<i>Metrosideros sp.</i>															1							1
<i>Myrtus communis</i>															2							2
<i>Nerium oleander</i>															2							2
<i>Nicotiana tabacum</i>															1							1
<i>Olea europaea</i>															8							8
<i>Olea sp.</i>															1							1
<i>Pelargonium graveolens</i>															1							1
<i>Pelargonium sp.</i>															1							1
<i>Plantago lanceolata</i>															1							1
<i>Polygala myrtifolia</i>															21							23
<i>Prunus avium</i>															1							1
<i>Prunus cerasifera</i>															1							1
<i>Prunus domestica</i>															2							2
<i>Prunus dulcis</i>															19							23
<i>Prunus laurocerasus</i>															1							1
<i>Prunus persica</i>															1							1

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total			
												Total	Total	Total	Total				
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES						US	Unknown	Total
<i>Prunus sp.</i>												1		1					1
<i>Pteridium aquilinum</i>									1										1
<i>Quercus petraea</i>																1			1
<i>Quercus robur</i>									2										2
<i>Quercus rubra</i>									1			3							4
<i>Quercus suber</i>									3										3
<i>Rosa sp.</i>									1										1
<i>Rubus fruticosus</i>																1			1
<i>Rubus ulmifolius</i>									2										2
<i>Salix alba</i>																	1		1
<i>Salvia mellifera</i>																	3		3
<i>Salvia officinalis</i>									1										1
<i>Salvia rosmarinus</i>									2										2
<i>Sambucus nigra</i>									1										1
<i>Santolina chamaecyparissus</i>									4										4
<i>Santolina sp.</i>									1										1
<i>Spartium junceum</i>																		2	2
<i>Strelitzia reginae</i>									1										1
<i>Ulex europaeus</i>									2										2
<i>Ulex minor</i>									2										2
<i>Ulex sp.</i>									2										2
<i>Vinca major</i>									2										2
<i>Vinca sp.</i>									1										1
<i>Vitis vinifera</i>																		1	1
<i>Westringia fruticosa</i>																		1	1
<b>ST07 and ST88</b>																			<b>1</b>
<i>Polygala myrtifolia</i>									1										1
<b>ST08</b>																		<b>14</b>	<b>14</b>
<i>Alnus rhombifolia</i>																		1	1
<i>Carya illinoensis</i>																		2	2
<i>Platanus occidentalis</i>																		8	8

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total
												Total	Total	Total			
<i>Platanus</i> sp.												1		1			1
<i>Quercus palustris</i>												1		1			1
<i>Ulmus americana</i>												1		1			1
<b>ST09</b>												29		29	4		33
<i>Polygala myrtifolia</i>															1		1
<i>Quercus cerris</i>												1		1			1
<i>Quercus coccinea</i>												2		2			2
<i>Quercus falcata</i>												1		1	1		2
<i>Quercus laevis</i>												2		2			2
<i>Quercus nigra</i>												1		1			1
<i>Quercus palustris</i>												11		11			11
<i>Quercus petraea</i>															1		1
<i>Quercus phellos</i>												1		1			1
<i>Quercus robur</i>												1		1			1
<i>Quercus rubra</i>												5		5			5
<i>Quercus shumardii</i>												1		1			1
<i>Quercus</i> sp.												3		3			3
<i>Rubus fruticosus</i>															1		1
<b>ST10</b>												11		11	4		15
<i>Polygala myrtifolia</i>															1		1
<i>Prunus domestica</i>												3		3	1		4
<i>Prunus persica</i>												3		3			3
<i>Prunus</i> sp.												5		5			5
<i>Quercus petraea</i>															1		1
<i>Salix alba</i>															1		1
<b>ST15</b>												3		3	3		3
<i>Prunus cerasifera</i>												3		3			3
<b>ST22</b>												3		3	3	1	4
<i>Ambrosia psilostachya</i>												1		1			1
<i>Ambrosia trifida</i>												2		2		1	3
<b>ST23</b>												12		12			12

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total
												Total	Total	Total			
<i>Acer rubrum</i>												1		1			1
<i>Ambrosia trifida</i>												2		2			2
<i>Helianthus sp.</i>												3		3			3
<i>Iva annua</i>												2		2			2
<i>Quercus rubra</i>												1		1			1
<i>Ratibida columnifera</i>												2		2			2
<i>Solidago virgaurea</i>												1		1			1
<b>ST24</b>												5		5	3		8
<i>Cercis occidentalis</i>												1		1			1
<i>Liquidambar styraciflua</i>												3		3	2		5
<i>Prunus dulcis</i>															1		1
<i>Ulmus crassifolia</i>												1		1			1
<b>ST25</b>												4		4			4
<i>Encelia farinosa</i>												4		4			4
<b>ST26</b>		3										12		15	8		23
<i>Alnus rhombifolia</i>												1		1			1
<i>Bidens pilosa</i>															1		1
<i>Lepidium ruderale</i>															1		1
<i>Prunus cerasifera</i>												2		2	1		3
<i>Prunus domestica</i>												1		1			1
<i>Prunus domestica</i>		3												3			3
<i>Prunus domestica</i>															4		4
<i>Prunus dulcis</i>															1		1
<i>Prunus persica</i>															1		1
<i>Prunus sp.</i>												8		8			8
<i>Raphanus sativus</i>															1		1
<i>Rubus fruticosus</i>															1		1
<i>Solanum americanum</i>															1		1
<b>ST27</b>												7		7	2		9
<i>Ginkgo biloba</i>												1		1			1
<i>Lagerstroemia sp.</i>												1		1			1
<i>Prunus cerasifera</i>															1		1

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total
<i>Prunus dulcis</i>												2		2		1	3
<i>Prunus sp.</i>												3		3			3
<b>ST28</b>												4		4		1	5
<i>Ambrosia trifida</i>												2		2		1	3
<i>Helianthus sp.</i>											1			1			1
<i>Iva annua</i>											1			1			1
<b>ST32</b>											2			2		1	3
<i>Rubus fruticosus</i>																1	1
<i>Rubus sp.</i>											2			2			2
<b>ST34</b>											1			1			1
<i>Prunus cerasifera</i>											1			1			1
<b>ST35</b>											1			1			1
<i>Xanthium strumarium</i>											1			1			1
<b>ST36</b>											1			1	1		2
<i>Prunus cerasifera</i>															1		1
<i>Prunus sp.</i>											1			1			1
<b>ST37</b>											3			3			3
<i>Lupinus aridorum</i>											1			1			1
<i>Lupinus villosus</i>											2			2			2
<b>ST38</b>											1			1			1
<i>Platanus occidentalis</i>											1			1			1
<b>ST39</b>											6			6			6
<i>Koeleria bipinnata</i>											1			1			1
<i>Liquidambar styraciflua</i>											4			4			4
<i>Prunus sp.</i>											1			1			1
<b>ST40</b>											4			4		1	5
<i>Prunus cerasifera</i>											3			3		1	4
<i>Sambucus sp.</i>											1			1			1
<b>ST41</b>											9			9	2		11
<i>Prunus domestica</i>															1		1
<i>Prunus salicina</i>											3			3	1		4

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total		
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total	Total
												Total	Total	Total				
<i>Prunus sp.</i>												2		2				2
<i>Ulmus americana</i>												2		2				2
<i>Ulmus sp.</i>												2		2				2
<b>ST42</b>											20			20		3		23
<i>Ambrosia trifida</i>											2			2		1		3
<i>Sapindus saponaria</i>											1			1				1
<i>Vaccinium ashei</i>											6			6				6
<i>Vaccinium corymbosum</i>											5			5		1		6
<i>Vaccinium corymbosum</i> x <i>V. angustifolium hybrid</i>																1		1
<i>Vaccinium sp.</i>											6			6				6
<b>ST43</b>											8			8		2		10
<i>Vaccinium corymbosum</i>											3			3		1		4
<i>Vaccinium corymbosum</i> x <i>V. angustifolium hybrid</i>																1		1
<i>Vaccinium sp.</i>											5			5				5
<b>ST44</b>											2			2				2
<i>Quercus palustris</i>											1			1				1
<i>Quercus rubra</i>											1			1				1
<b>ST45</b>											6			6				6
<i>Acer griseum</i>											1			1				1
<i>Ampelopsis cordata</i>											1			1				1
<i>Cercis canadensis</i>											3			3				3
<i>Gleditsia triacanthos</i>											1			1				1
<b>ST46</b>											3			3				3
<i>Celtis occidentalis</i>											1			1				1
<i>Chionanthus sp.</i>											1			1				1
<i>Prunus armeniaca</i>											1			1				1
<b>ST48</b>											1			1				1
<i>Sapindus saponaria</i>											1			1				1
<b>ST49</b>											1			1				1

(Continues)



X. fastidiosa subspecies/ sequence type	Natural													Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total		
														Total	Total	Total			
<i>Prunus sp.</i>												1		1					1
<b>ST50</b>												2		2					2
<i>Fraxinus americana</i>												1		1					1
<i>Fraxinus sp.</i>												1		1					1
<b>ST51</b>												5		5			1		6
Periwinkle (common name)												1		1					1
<i>Vinca sp.</i>												4		4			1		5
<b>ST58</b>												1		1			1		2
<i>Ambrosia trifida</i>												1		1			1		2
<b>ST63</b>		1												1					1
<i>Prunus domestica</i>		1												1					1
<b>ST67</b>		2												2		8			10
<i>Bidens pilosa</i>																1			1
<i>Lepidium ruderale</i>																1			1
<i>Prunus domestica</i>			2											2					2
<i>Prunus salicina</i>																4			4
<i>Raphanus sativus</i>																1			1
<i>Solanum americanum</i>																1			1
<b>ST79</b>															1				1
<i>Polygala myrtifolia</i>															1				1
<b>ST81</b>																103	1	104	121
<i>Acacia saligna</i>																2		2	2
<i>Acacia sp.</i>																1		1	1
<i>Calicotome spinosa</i>																1		1	1
<i>Cistus albidus</i>																4		4	4
<i>Clematis cirrhosa</i>																3		3	3
<i>Ficus carica</i>																9		9	9
<i>Fraxinus angustifolia</i>																3		3	3
<i>Genista valdes-bermejoi</i>																2		2	2
<i>Helichrysum stoechas</i>																4		4	4
<i>Laurus nobilis</i>																1		1	1

(Continued)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural										Artificial infection Total	Not specified infection Total	Grand Total			
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT				ES	US	Unknown
<i>Lavandula angustifolia</i>											3			3		3
<i>Lavandula dentata</i>											3			3		3
<i>Nerium oleander</i>										1				1		1
<i>Olea europaea</i>										11	1			12	15	27
<i>Olea europaea subsp. sylvestris</i>										3				3		3
<i>Phagnalon saxatile</i>										1				1		1
<i>Phillyrea angustifolia</i>										3				3		3
<i>Phlomis italica</i>										2				2		2
<i>Polygala myrtifolia</i>										4				4		4
<i>Prunus domestica</i>										3				3		3
<i>Prunus dulcis</i>										16				16	1	17
<i>Rhamnus alaternus</i>										5				5		5
<i>Salix alba</i>															1	1
<i>Salvia officinalis</i>										3				3		3
<i>Salvia rosmarinus</i>										4				4		4
<i>Santolina chamaecyparissus</i>										5				5		5
<i>Santolina magonica</i>										2				2		2
<i>Spartium junceum</i>										2				2		2
<i>Vitex agnus-castus</i>										2				2		2
<b>ST82</b>															<b>2</b>	<b>2</b>
<i>Vaccinium ashei</i>															2	2
<b>ST83</b>															<b>2</b>	<b>2</b>
<i>Vaccinium ashei</i>															2	2
<b>ST87</b>										<b>125</b>				<b>125</b>	<b>1</b>	<b>126</b>
<i>Acacia dealbata</i>										4				4		4
<i>Asparagus acutifolius</i>										3				3		3
<i>Calicotome spinosa</i>										4				4		4
<i>Calicotome villosa</i>										3				3		3
<i>Cercis siliquastrum</i>										4				4		4
<i>Cistus monspeliensis</i>										4				4		4
<i>Cistus salviifolius</i>										4				4		4
<i>Cistus sp.</i>										6				6		6

(Continues)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection			Grand Total		
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total			
<i>Clematis vitalba</i>								2									2			2
<i>Cytisus scoparius</i>								5									5			5
<i>Elaeagnus angustifolia</i>								4									4			4
<i>Ficus carica</i>								4									4			4
<i>Helichrysum italicum</i>								3									3			3
<i>Helichrysum sp.</i>								4									4			4
<i>Laurus nobilis</i>								3									3			3
<i>Lavandula angustifolia</i>								4									4			4
<i>Lavandula dentata</i>								2									2			2
<i>Lavandula sp.</i>								2									2			2
<i>Lonicera implexa</i>								3									3			3
<i>Myrtus communis</i>								3									3			3
<i>Olea europaea</i>								3							1		3			3
<i>Phagnalon saxatile</i>								3									3			3
<i>Polygala myrtifolia</i>								10									10			10
<i>Prunus dulcis</i>								11									11			11
<i>Quercus ilex</i>								1									1			1
<i>Rhamnus alaternus</i>								8									8			8
<i>Rosa canina</i>								2									2			2
<i>Salvia rosmarinus</i>								6									6			6
<i>Scabiosa atropurpurea var. maritima</i>								2									2			2
<i>Spartium junceum</i>								11									11			11
<b>ST88</b>																	<b>6</b>			<b>6</b>
<i>Coronilla valentina subsp. glauca</i>								1									1			1
<i>Dimorphotheca ecklonis</i>								1									1			1
<i>Euryops chrysanthemoides</i>								1									1			1
<i>Hebe sp.</i>								1									1			1
<i>Lavandula x intermedia</i>								1									1			1
<i>Polygala myrtifolia</i>								1									1			1
<b>ST89</b>																	<b>2</b>			<b>2</b>
<i>Myoporum sp.</i>																	1			1

(Continued)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total		Total
<i>Viburnum tinus</i>					1									1				1
<b>pauca</b>	8	139	10	6	4		474			38			4	683	261	23	967	
<b>ST11</b>	52													52	14	3	69	
<i>Catharanthus roseus</i>															2		2	
<i>Citrus sinensis</i>		22												22	4	3	29	
<i>Citrus sp.</i>		29												29			29	
<i>Coffea arabica</i>															4		4	
<i>Coffea sp.</i>		1												1			1	
<i>Nicotiana tabacum</i>															4		4	
<b>ST12</b>	3													3	3	3	6	
<i>Citrus sinensis</i>		2												2		2	4	
<i>Citrus sp.</i>		1												1		1	2	
<b>ST13</b>	12													12	89	3	104	
<i>Arabidopsis thaliana</i>															1		1	
<i>Bidens pilosa</i>															3		3	
<i>Catharanthus roseus</i>															14		14	
<i>Citrus reticulata</i>															3		3	
<i>Citrus sinensis</i>		6												6	23	3	32	
<i>Citrus sp.</i>		6												6	21		27	
<i>Medicago sativa</i>															3		3	
<i>Nicotiana clevelandii</i>															1		1	
<i>Nicotiana tabacum</i>															12		12	
<i>Ocimum basilicum</i>															3		3	
Periwinkle (common name)															1		1	
<i>Solanum americanum</i>															4		4	
<b>ST14</b>	8													8	4		12	
<i>Coffea arabica</i>		1												1			1	
<i>Coffea sp.</i>		6												6		2	8	
<i>Prunus domestica</i>																1	1	
<i>Prunus sp.</i>		1												1		1	2	
<b>ST16</b>	52													52	15	1	68	

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection		Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	
<i>Citrus sinensis</i>														1		1	
<i>Coffea arabica</i>	2													2	7	9	
<i>Coffea sp.</i>	17													17	1	18	
<i>Nicotiana tabacum</i>															6	6	
<i>Olea europaea</i>	33													33	1	34	
<b>ST53</b>		<b>8</b>	<b>4</b>	<b>4</b>			<b>474</b>						<b>3</b>	<b>489</b>	<b>116</b>	<b>611</b>	
<i>Acacia saligna</i>							3							3		3	
<i>Amaranthus retroflexus</i>							3							3		3	
<i>Asparagus acutifolius</i>							3							3		3	
<i>Catharanthus roseus</i>							2							2	12	14	
<i>Chenopodium album</i>							5							5	1	6	
<i>Cistus creticus</i>							1							1		1	
<i>Coffea arabica</i>			3										2	5	1	6	
<i>Coffea sp.</i>													1	1	2	4	
<i>Dimorphotheca fruticosa</i>							1							1		1	
<i>Dodonaea viscosa</i>							2							2		2	
<i>Eremophila maculata</i>							1							1		1	
<i>Erigeron bonariensis</i>							3							3		3	
<i>Erigeron sp.</i>							6							6		6	
<i>Erigeron sumatrensis</i>							1							1		1	
<i>Euphorbia chamaesyce</i>							2							2		2	
<i>Euphorbia terracina</i>							1							1		1	
<i>Grevillea juniperina</i>							1							1		1	
<i>Hebe sp.</i>							1							1		1	
<i>Heliotropium europaeum</i>							3							3		3	
<i>Jasminum azoricum</i>															2	2	
<i>Laurus nobilis</i>							2							2		2	
<i>Lavandula angustifolia</i>							3							3		3	
<i>Lavandula sp.</i>							1							1		1	
<i>Lavandula stoechas</i>							2							2		2	
<i>Medicago sativa</i>															1	1	

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection		Not specified infection		Grand Total	
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total		Total
<i>Myoporium insulare</i>								1						1		1	
<i>Myrtus communis</i>							3							3		3	
<i>Nerium oleander</i>			5				18							23	8	4	35
<i>Nicotiana tabacum</i>														7		7	
<i>Olea europaea</i>					1		338							339	57	396	
<i>Pelargonium fragrans</i>							1							1		1	
<i>Pelargonium sp.</i>							1							1		1	
<i>Periwinkle (common name)</i>							1							1		1	
<i>Phillyrea latifolia</i>							2							2		2	
<i>Pistacia vera</i>							1							1		1	
<i>Polygala myrtifolia</i>					1		23							24	9	33	
<i>Prunus avium</i>							9							9	4	13	
<i>Prunus domestica</i>														2		2	
<i>Prunus dulcis</i>							11							11	4	15	
<i>Prunus persica</i>					1									1		1	
<i>Quercus ilex</i>					1									1		1	
<i>Quercus petraea</i>														1		1	
<i>Rhamnus alaternus</i>							4							4		4	
<i>Salix alba</i>														1		1	
<i>Salvia rosmarinus</i>							6							6		6	
<i>Spartium junceum</i>							2							2		2	
<i>Vinca minor</i>							1							1		1	
<i>Vitis vinifera</i>														5		5	
<i>Westringia fruticosa</i>							4							4		4	
<i>Westringia glabra</i>							1							1		1	
<b>ST64</b>		1												1		1	
<i>Citrus sinensis</i>		1												1		1	
<b>ST65</b>		1												1	2	3	
<i>Catharanthus roseus</i>														2		2	
<i>Citrus sinensis</i>		1												1		1	
<b>ST66</b>		1												1		1	

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural											Artificial infection			Not specified infection		Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	
<i>Coffea arabica</i>		1												1			1
<b>ST68</b>		<b>1</b>												<b>1</b>			<b>1</b>
<i>Coffea arabica</i>		1												1			1
<b>ST69</b>	<b>6</b>													<b>6</b>	<b>1</b>		<b>7</b>
<i>Citrus sinensis</i>	4													4	1		5
<i>Olea europaea</i>	2													2			2
<b>ST70</b>		<b>2</b>												<b>2</b>	<b>2</b>		<b>6</b>
<i>Catharanthus roseus</i>														2			2
<i>Hibiscus fragilis</i>															1		1
<i>Hibiscus rosa-sinensis</i>		1												1			1
<i>Hibiscus sp.</i>		1												1	1		2
<b>ST71</b>		<b>1</b>												<b>1</b>	<b>4</b>		<b>5</b>
<i>Bidens pilosa</i>													1	1			1
<i>Lepidium ruderale</i>														1			1
<i>Prunus domestica</i>		1												1			1
<i>Raphanus sativus</i>															1		1
<i>Solanum americanum</i>															1		1
<b>ST73</b>			<b>1</b>											<b>1</b>	<b>2</b>	<b>4</b>	<b>6</b>
<i>Catharanthus roseus</i>														1			1
<i>Coffea arabica</i>			1											1			2
<i>Nerium oleander</i>															1		1
<i>Nicotiana tabacum</i>															1		1
<i>Polygala myrtifolia</i>															1		1
<b>ST73 and ST53</b>			<b>1</b>											<b>1</b>			<b>1</b>
<i>Coffea arabica</i>			1											1			1
<b>ST74</b>				<b>6</b>										<b>6</b>	<b>6</b>		<b>6</b>
<i>Coffea arabica</i>				6										6			6
<b>ST78</b>	<b>2</b>													<b>2</b>			<b>2</b>
<i>Olea europaea</i>	1													1			1
<i>Prunus dulcis</i>	1													1			1
<b>ST80</b>														<b>38</b>	<b>15</b>		<b>53</b>



(Continued)

X. fastidiosa subspecies/ sequence type	Natural													Artificial infection		Not specified infection		Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total	Total	
<i>Acacia saligna</i>											2			2				2
<i>Acacia sp.</i>											1			1				1
<i>Cistus albidus</i>											4			4				4
<i>Elaeagnus angustifolia</i>											1			1				1
<i>Genista hirsuta</i>											2			2				2
<i>Lavandula angustifolia</i>											2			2				2
<i>Lavandula dentata</i>											3			3				3
<i>Olea europaea</i>											5			5	15			20
<i>Olea europaea subsp. sylvestris</i>											2			2				2
<i>Polygala myrtifolia</i>											3			3				3
<i>Prunus dulcis</i>											6			6				6
<i>Salvia officinalis</i>											1			1				1
<i>Salvia rosmarinus</i>											3			3				3
<i>Thymus vulgaris</i>											1			1				1
<i>Ulex parviflorus</i>											2			2				2
<b>ST84</b>		<b>3</b>												<b>3</b>				<b>3</b>
<i>Olea europaea</i>		3												3				3
<b>ST85</b>		<b>1</b>												<b>1</b>				<b>1</b>
<i>Olea europaea</i>		1												1				1
<b>ST86</b>		<b>1</b>												<b>1</b>				<b>1</b>
<i>Olea europaea</i>		1												1				1
<b>sandyi</b>			<b>4</b>		<b>1</b>	<b>1</b>					<b>25</b>	<b>1</b>	<b>32</b>	<b>9</b>	<b>1</b>			<b>42</b>
<b>ST05</b>											<b>25</b>	<b>4</b>	<b>25</b>	<b>4</b>				<b>29</b>
<i>Hemerocallis sp.</i>											1			1				1
<i>Jacaranda mimosifolia</i>											1			1				1
<i>Magnolia grandiflora</i>											1			1				1
<i>Nerium oleander</i>											22			22				23
<i>Prunus dulcis</i>														1				1
<i>Vinca major</i>														2				2

(Continues)

(Continued)

X. fastidiosa subspecies/ sequence type	Natural										Artificial infection					Not specified infection		Grand Total
	AR	BR	CR	EC	FR	HN	IL	IT	MX	PT	ES	US	Unknown	Total	Total	Total		
<b>ST72</b>			2			1							1	4	5	1	10	
<i>Coffea arabica</i>			2										1	3	1	1	5	
<i>Coffea sp.</i>						1								1			1	
<i>Nerium oleander</i>															1		1	
<i>Olea europaea</i>															3		3	
<b>ST76</b>			2		1									3			3	
<i>Coffea arabica</i>			1											1			1	
<i>Coffea sp.</i>			1											1			1	
<i>Polygala myrtifolia</i>					1										1		1	
<b>Grand Total</b>	<b>8</b>	<b>145</b>	<b>36</b>	<b>6</b>	<b>168</b>	<b>1</b>	<b>2</b>	<b>599</b>	<b>22</b>	<b>109</b>	<b>387</b>	<b>418</b>	<b>5</b>	<b>1909</b>	<b>652</b>	<b>49</b>	<b>2610</b>	

## APPENDIX E

## References included in this update

List of the 47 references included in this sixth update of the *Xylella* spp. host plant database. Informative data listed in Table 5 were extracted from those references and added to the database.

1. Ali, M. E., Hudson, O., Waliullah, S., Ji, P., Williams-Woodward, J. L. and Oliver, J. E. (2020). First report of bacterial leaf scorch disease of American Elm caused by *Xylella fastidiosa* in Georgia, USA. *Plant Disease*, 104(6).
2. Amoia, S. S., Loconsole, G., Ligorio, A., Pantazis, A. K. K., Papadakis, G., Gizeli, E., & Minafra, A. (2023). A colorimetric LAMP detection of *Xylella fastidiosa* in crude alkaline sap of olive trees in Apulia as a field-based tool for disease containment. *Agriculture-Basel*, 13.
3. Amoia, S. S., Minafra, A., Ligorio, A., Cavalieri, V., Boscia, D., Saponari, M., & Loconsole, G. (2023). Detection of *Xylella fastidiosa* in host plants and insect vectors by droplet digital PCR. *Agriculture (Switzerland)*, 13(3).
4. Boutigny, A. L., Remenant, B., Legendre, B., Beven, V., Rolland, M., Blanchard, Y., & Cunty, A. (2023). Direct *Xylella fastidiosa* whole genome sequencing from various plant species using targeted enrichment. *Journal of Microbiological Methods*, 208.
5. Burbank, L., Sisterson, M. S., Wei, W., Ortega, B., Luna, N., & Naegele, R. P. (2023). High growing season temperatures limit winter recovery of grapevines from *Xylella fastidiosa* infection – implications for epidemiology in hot climates. *Plant Disease*.
6. Camposeo, S., Vivaldi, G. A., & Saponari, M. (2022). Attempts to reduce the systemic spread of *Xylella fastidiosa* in olive trees by pruning. *Agronomy*, 12(12).
7. Casarin, N., Hasbroucq, S., López-Mercadal, J., Miranda, M. Á., Bragard, C., & Grégoire, J. C. (2023). Measuring the threat from a distance: insight into the complexity and perspectives for implementing sentinel plantation to test the host range of *Xylella fastidiosa*. *NeoBiota*, 84, 47–80.
8. Castro, C., Massonnet, M., Her, N., DiSalvo, B., Jablonska, B., Jeske, D. R., Cantu, D., & Roper, M. C. (2023). Priming grapevine with lipopolysaccharide confers systemic resistance to Pierce's disease and identifies a peroxidase linked to defense priming. *New Phytologist*, 239(2), 687–704.
9. Choueiri, E., Abou Kubaa, R., Valentini, F., Yaseen, T., El Sakka, H., Gerges, S., La Notte, P., Saponari, M., Elbeaino, T., & El Moujabber, M. (2023). First report of *Xylella fastidiosa* on almond (*Prunus dulcis*) in Lebanon. *Journal of Plant Pathology*.
10. Donegan, M. A. A., Coletta-Filho, H. D., & Almeida, R. P. P. (2023). Parallel host shifts in a bacterial plant pathogen suggest independent genetic solutions. *Molecular Plant Pathology*.
11. Donghia, A. M., Santoro, F., Minutillo, S. A., Frasheri, D., Gallo, M., Gualano, S., Cavallo, G., & Valentini, F. (2022). Optimisation of sampling and testing for asymptomatic olive trees infected by *Xylella fastidiosa* in Apulia region, Italy. *Phytopathologia Mediterranea*, 61(3), 439–449.
12. Dupas, E., Durand, K., Rieux, A., Briand, M., Pruvost, O., Cunty, A., Denance, N., Donnadiou, C., Legendre, B., Lopez-Roques, C., Cesbron, S., Ravigne, V., & Jacques, M.-A. (2023). Suspicions of two bridgehead invasions of *Xylella fastidiosa* subsp. multiplex in France. *Communications Biology*, 6(1).
13. El Handi, K., Sabri, M., Valentini, F., De Stradis, A., Achbani, E. H., Hafidi, M., El Moujabber, M., & Elbeaino, T. (2022). Exploring active peptides with antimicrobial activity in planta against *Xylella fastidiosa*. *Biology*, 11(11).
14. Europhyt notification n. 1157 (Update 11).
15. Europhyt notification n. -124 (Update 33).
16. Europhyt notification n. 1993 (Update 2).
17. Europhyt notification n. 2008 (Update 1).
18. Europhyt notification n. 2105 (Update 1).
19. Europhyt notification n. 2106 (Update 1).
20. Europhyt notification n. 2136 (Update 00).
21. Europhyt notification n. 2139 (Update 00).
22. Europhyt notification n. 2146 (Update 1).
23. Europhyt notification n. 2160 (Update 00).
24. Europhyt notification n. 2183 (Update 00).
25. Europhyt notification n. 2208 (Update 00).
26. Europhyt notification n. 2256 (Update 00).
27. Europhyt notification n. -228 (Update 27).
28. Europhyt notification n. 246 (Update 20).
29. Europhyt notification n. 753 (Update 22).
30. Giampetruzzi, A., Loconsole, G., Zicca, S., Boscia, D., Balestra, G. M., & Saponari, M. (2023). Draft genome sequence resource of *Xylella fastidiosa* strain Alm\_Lz\_1 associated with a new outbreak in Lazio, Italy. *Phytopathology*, 113(1), 108–111.
31. Guan, W., Shao, J., Zhao, T., & Huang, Q. (2023). Draft genome sequence of a *Xylella fastidiosa* strain causing Bacterial Leaf Scorch of American Elm in Washington, DC. *Microbiology Resource Announcements*, 12(1).
32. Huerta-Acosta, K. G., Riaz, S., Tenschler, A., & Walker, M. A. (2023). Genetic characterization of Pierce's Disease resistance in a *Vitis arizonica/monticola* wild grapevine. *American Journal of Enology and Viticulture*, 74(1).

33. Hussain, M., Girelli, C. R., Verweire, D., Oehl, M. C., Avendano, M. S., Scortichini, M., & Fanizzi, F. P. (2023). H-1-NMR metabolomics study after foliar and endo-therapy treatments of *Xylella fastidiosa* subsp. *pauca* infected olive trees: medium time monitoring of field experiments. *Plants-Basel*, 12(10).
34. Ingel, B., Castro, C., Burbank, L., Her, N., De Anda, N. I., Way, H., Wang, P., and Roper, C. (2023). *Xylella fastidiosa* requires the Type II secretion system for pathogenicity and survival in grapevine. *Molecular Plant-Microbe Interactions (MPMI)*.
35. Johnson, K. A., Bock, C. H., & Brannen, P. M. (2022). Historic and current prevalence of phony peach disease, caused by *Xylella fastidiosa*, in the United States. *Acta Horticulturae*, 1352, 487–494.
36. Johnson, K. A., Bock, C. H., Vinson, E. L., & Brannen, P. M. (2023). Prevalence and distribution of Phony Peach Disease (caused by *Xylella fastidiosa*) in the United States. *Plant Disease*, 107(2), 326–334.
37. Johnson, K. A., Chen, C., Bock, C. H., & Brannen, P. M. (2023). Plant growth stimulants and defense activators fail to control phony peach disease in mature peach orchards. *Crop Protection*, 171.
38. Kahn, A. K., Sicard, A., Cooper, M., Daugherty, M., Donegan, M. A., & Almeida, R. (2023). Progression of *Xylella fastidiosa* infection in grapevines under field conditions. *Phytopathology*.
39. Montesinos, L., Baró, A., Gascón, B., & Montesinos, E. (2023). Bactericidal and plant defense elicitation activities of Eucalyptus oil decrease the severity of infections by *Xylella fastidiosa* on almond plants. *Frontiers in Plant Science*, 14.
40. Morales-Cruz, A., Aguirre-Liguori, J., Massonnet, M., Minio, A., Zaccheo, M., Cochetel, N., Walker, A., Riaz, S., Zhou, Y., Cantu, D., & Gaut, B. S. (2023). Multigenic resistance to *Xylella fastidiosa* in wild grapes (*Vitis* spp.) and its implications within a changing climate. *Communications Biology*, 6(1).
41. Olawole, O. I., Uribe, P., Rodriguez, N. A., Gonzalez, C. F., & Ong, K. L. (2022). First report of Bacterial Leaf Scald of plum caused by *Xylella fastidiosa* in Texas. *Plant Disease*, 106(12), 3198.
42. Oliver, J. E., Lewis, K. J., Taylor, S. J., & Chen, J. (2023). Complete genome sequences of *Xylella fastidiosa* subsp. *fastidiosa* and *X. fastidiosa* subsp. *multiplex* strains causing blueberry Bacterial Leaf Scorch disease in Georgia, USA. *Microbiology Resource Announcements*, 12(6).
43. Poblete, T., Navas-Cortes, J. A., Hornero, A., Camino, C., Calderon, R., Hernandez-Clemente, R., Landa, B. B., & Zarco-Tejada, P. J. (2023). Detection of symptoms induced by vascular plant pathogens in tree crops using high-resolution satellite data: Modelling and assessment with airborne hyperspectral imagery. *Remote Sensing of Environment*, 295.
44. Roddee, J., Backus, E. A., Cervantes, F. A., & Hanboonsong, Y. (2023). *Xylella fastidiosa* inoculation behaviors (EPG X wave) are performed differently by blue-green sharpshooters based on infection status of prior probing host. *Journal Of Economic Entomology*, 116(3), 697–712.
45. Román-Écija, M., Navas-Cortés, J. A., Velasco-Amo, M. P., Arias-Giraldo, L. F., Gómez, L. M., De La Fuente, L., & Landa, B. B. (2023). Two *Xylella fastidiosa* subsp. *multiplex* strains isolated from almond in Spain differ in plasmid content and virulence traits. *Phytopathology*, 113(6), 960–974.
46. Shantharaj, D., Naranjo, E., Merfa, M. V., Cobine, P. A., Santra, S., & De La Fuente, L. (2023). Zinc oxide-based nanoformulation zinkicide mitigates the xylem-limited pathogen *Xylella fastidiosa* in Tobacco and Southern Highbush Blueberry. *Plant Disease*, 107(4), 1096–1106.
47. Su, C.-C., Fung, J.-A., Chang, R.-J., Chang, C. J., Jan, J. F., Shih, H.-T., & Chen, J. C. (2023). TaqMan quantitative-PCR detection of *Xylella taiwanensis* in Taiwan. *Plant Disease*.

## ANNEX A

### Links to data and interactive reports

Data are available as interactive reports on the Microstrategy platform at the following link: <https://www.efsa.europa.eu/en/microstrategy/xylella>

Raw data and related metadata are published in Zenodo in the EFSA Knowledge Junction community, this report refers to **version 9** (<https://doi.org/10.5281/zenodo.1339343>).