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## Update of the *Xylella* spp. host plant database – systematic literature search up to 31 December 2021

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### 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 updated a database of host plant species of *Xylella* spp. The current mandate covers the period 2021–2026. This report is related to the sixth version of the database published in Zenodo in the EFSA Knowledge Junction community, covering literature published from 1 July 2021 up to 31 December 2021, and recent Europhyt outbreak notifications. Informative data have been extracted from 29 selected publications. Eleven new host plants were identified and added to the database: six plant species naturally infected by subsp. *multiplex* of *X. fastidiosa* in the EU (France, Italy and Portugal) and five plant species artificially infected by different *X. fastidiosa* subspecies (*multiplex*, *pauca*, *fastidiosa* and *sandyi*). No additional data were retrieved for *X. taiwanensis*. New information on the tolerant/resistant response of plant species to *X. fastidiosa* infection were added, while no new STs have been identified worldwide compared to the previous update published in January 2022. The overall number of *Xylella* spp. host plants determined with at least two different detection methods or positive with one method (between: sequencing, pure culture isolation) reaches now 412 plant species, 190 genera and 68 families. Such numbers rise to 664 plant species, 299 genera and 88 families if considered regardless of the detection methods applied.

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## 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 January 2022 (EFSA, 2022). 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 January 2022 (EFSA, 2022). 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.

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

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

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).

### 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 <sup>®</sup>	
Chinese Science Citation Database <sup>SM</sup>	
Current Contents Connect	
FSTA <sup>®</sup> - the food science resource	
KCI-Korean Journal Database	
MEDLINE <sup>®</sup>	
Russian Science Citation Index	
SciELO Citation Index	
Web of Science Core Collection	
<ul style="list-style-type: none"> <li>• Science Citation Index Expanded</li> <li>• Social Sciences Citation Index</li> <li>• Arts &amp; Humanities Citation Index</li> <li>• Conference Proceedings Citation Index - Science</li> <li>• Conference Proceedings Citation Index - Social Science &amp; Humanities</li> <li>• Book Citation Index – Science</li> <li>• Book Citation Index – Social Sciences &amp; Humanities</li> <li>• Emerging Sources Citation Index</li> <li>• Current Chemical Reactions</li> <li>• Index Chemicus</li> </ul>	
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 27 January 2022. As the scope of the search was to retrieve references published after June 2021, the selected time span was from 1 July 2021 up to 31 December 2021. 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 > 20190701 AND ORIG-LOAD-DATE < 20201231))	70

Platform	Query	Results
Web of Science	TS=(xylella OR xylla 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 "ricketsia like bacteri*")	93

The collected references were downloaded and imported into an EndNote X9 library (Clarivate Analytics). Duplicates and references already included in the update published in January 2022 (EFSA, 2022) 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).

Nine Europhyt outbreak notifications<sup>4</sup> (accessed on 7 March 2022), two XF-ACTORS Project deliverables (D2.3 and D7.4) and one official communication notified by the Istituto per la Protezione sostenibile delle Piante - CNR, Bari (Italy) were also included.

## 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	Included
		No	Excluded
Is it a primary research study?	Only one of the possible alternative answers can be selected	Yes	Included
		No	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	Neutral
		No	Neutral

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

<sup>4</sup> [https://ec.europa.eu/food/plant/plant\\_health\\_biosecurity/harmful\\_organism\\_outbreaks\\_en](https://ec.europa.eu/food/plant/plant_health_biosecurity/harmful_organism_outbreaks_en)

Question text	Type of answer	Answer text	Exclusion criteria
Which is the type of the publication?	Only one of the possible alternative answers can be selected	Peer-reviewed article	Neutral
		Article	Neutral
		Book	Neutral
		Conference proceedings	Neutral
		Abstract	Neutral
		Technical publication/ Report	Neutral
		Other	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	Neutral
		No	Neutral
Is <i>Xylella</i> /a <i>Xylella</i> associated disease/a <i>Xylella</i> synonym studied in association to a host plant?	Only one of the possible alternative answers can be selected	Yes	Included
		No	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>5</sup>, is reported in this section</i>
Plant EPPO code	EPPO code of the plant species, from the EPPO global database. 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>5</sup>
Plant genus	Plant genus, from the EPPO global database <sup>5</sup>
Plant species	Plant species, from the EPPO global database <sup>5</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

<sup>5</sup> <https://gd.eppo.int/>



Extracted data	Description
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 the 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 plant, 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>5</sup>
Pest species	Name of <i>Xylella</i> spp., from the EPPO global database <sup>5</sup>
Pest subspecies	<i>Xylella fastidiosa</i> subspecies, from the EPPO global database <sup>5</sup> . If the subspecies is inferred from another publication, a note is added to the genotyping comment
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, Crespera, 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 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
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 <i>Xylella</i> 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



Extracted data	Description
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

## 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 calculate 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 Extract Transform Load (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 6** (<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: 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).

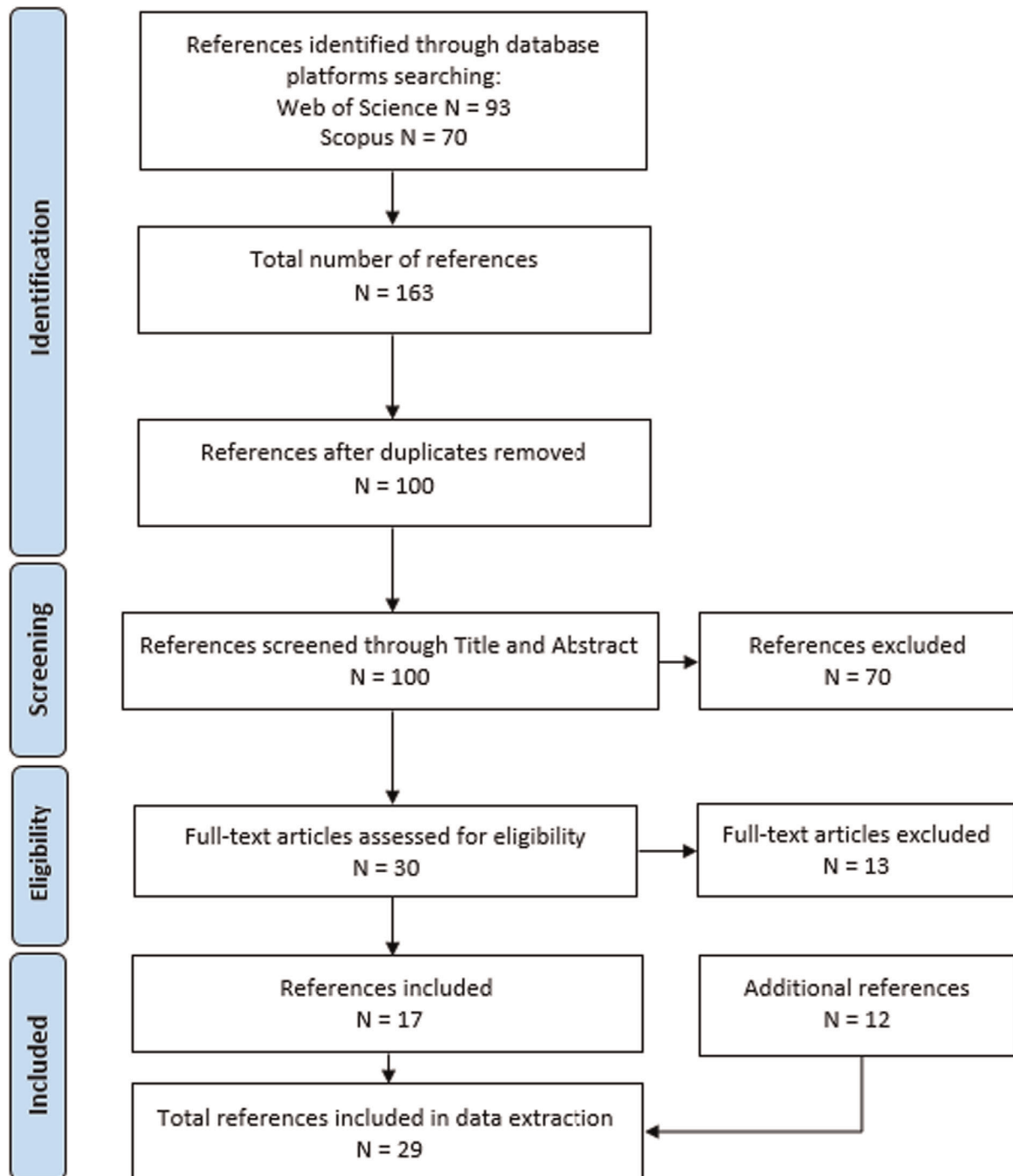
### 3. Results

#### 3.1. Results of the literature review

The extensive literature search was conducted on 27 January 2022 on Web of Science and Scopus platforms and 163 references were collected. Duplicates and references already included in EFSA (2022) were removed and 100 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, 70 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 30 references were subjected to the second step of the screening process, i.e. the full-text screening. Seventeen references, in which *Xylella* spp. is studied in association to a host plant, were selected. Nine Europhyt outbreak notifications<sup>4</sup> containing informative data were also included in the data extraction. Data were also collected from XF-ACTORS Project deliverables D2.3 'Host range of relevant *Xylella fastidiosa* strains and isolates harbouring novel STs<sup>6</sup>, D7.4 'Identification of plant species that can serve as alternative crops in the EU contaminated areas<sup>6</sup> and from official communication notified by the Istituto per la Protezione sostenibile delle Piante - CNR, Bari (Italy). Totally, 29 references (listed in Appendix E) were included in this update of the database and from which informative data listed in Table 5 were extracted.

<sup>6</sup> Deliverables available at <https://cordis.europa.eu/project/id/727987/results>



**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, 2022) 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. In line with this, the plant species *Osteospermum ecklonis* (EPPO code 'OSPEK') and *O. fruticosum* (EPPO code 'OSPFRR') have been renamed *Dimorphotheca ecklonis* and *D. fruticosa*, respectively.

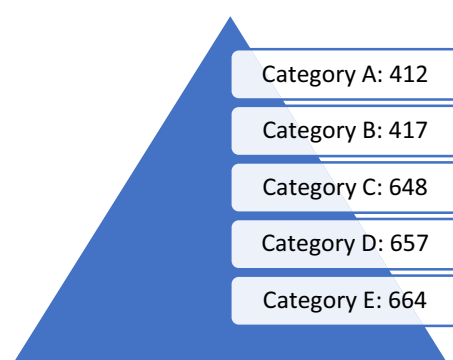
Records referring to Europhyt outbreak notifications, that may contain incomplete data, are updated whenever additional information (e.g. further identification of the plant species, *X. fastidiosa* subspecies, ST, etc.) become available. This is the case of the plant species *Nerium oleander*,

previously reported infected in Mallorca (ES) by undetermined *X. fastidiosa* subspecies, afterwards identified as subsp. *multiplex* ST81 (recordID 9724).

Few records with no indication of the plant species (recordID 2891, 6643, 7113, 7114, 8171 and 11148) were deleted from the database. Records (recordID from 10914 to 10925) referring to plant species reported in Table 3 of the publication Gorris et al. (2021) (refID 3835) were also deleted as erroneously interpreted infected by *X. fastidiosa* in the previous published version of this database (EFSA, 2022).

### 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 412 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 664 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>	412	417	648	657	664
<b>Number of host plant genera</b>	190	191	298	298	299
<b>Number of host plant families</b>	68	68	88	88	88

Compared to the previous update of the database published in January 2022 (EFSA, 2022), 11 plant species and 7 genera were identified as new hosts of *X. fastidiosa*. Those plant species and genera were not previously reported in the database. Details of those new hosts of *X. fastidiosa* are summarised in Table 7.

All the six new plant species found to be naturally infected were identified in the EU (France, Italy and Portugal) and were infected by subspecies *multiplex*. Artificial infection has been successful in five new species. *Jasminum azoricum* was artificially infected, successfully, by the subspecies *pauca*, either by needle inoculation or transmission via the vector *Philaenus spumarius*.

Within the XF-ACTORS project, the susceptibility of *Pyrus communis* (to subspecies *fastidiosa*, *multiplex*, *pauca* and *sandyi*), *Malus domestica* (to subspecies *multiplex*, *pauca* and *sandyi*), *Quercus petraea* (to subspecies *fastidiosa*, *multiplex* and *pauca*) and *Salix alba* (to subspecies *fastidiosa*, *multiplex* and *pauca*) has been proved in artificial infections by needle inoculation. Although in these experiments conducted under greenhouse conditions, the pathogen was detected at some distance from the inoculation point (e.g. 40 cm, as reported in the case of *Pyrus communis* and *Malus*

*domestica*), further studies will need to prove whether these new hosts are likely to sustain infection under natural conditions.

**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. New plant species, new genera and new families are highlighted in bold

Plant family	Plant genus	Plant species	Infection method	<i>X. fastidiosa</i> subspecies	Country	Category
Berberidaceae	<b>Berberis</b>	<b><i>Berberis thunbergii</i></b>	Natural	<i>multiplex</i>	Portugal	A
Asteraceae	<b>Calocephalus</b>	<b><i>Calocephalus brownii</i></b>	Natural	<i>multiplex</i>	France	A
Ranunculaceae	Clematis	<b><i>Clematis vitalba</i></b>	Natural	<i>multiplex</i>	Italy	A
Asteraceae	<b>Gazania</b>	<b><i>Gazania rigens</i></b>	Natural	<i>multiplex</i>	Portugal	A
Asteraceae	<b>Jacobaea</b>	<b><i>Jacobaea maritima</i></b>	Natural	<i>multiplex</i>	France	A
Caprifoliaceae	<b>Scabiosa</b>	<b><i>Scabiosa</i> sp.</b>	Natural	<i>multiplex</i>	Italy	A

Plant family	Plant genus	Plant species	Infection method	<i>X. fastidiosa</i> subspecies	Country	Category
Oleaceae	<b>Jasminum</b>	<b><i>Jasminum azoricum</i></b>	Artificial	<i>pauca</i>	–	A
Rosaceae	<b>Malus</b>	<b><i>Malus domestica</i></b>	Artificial	<i>multiplex</i>	–	C
Rosaceae	<b>Malus</b>	<b><i>Malus domestica</i></b>	Artificial	<i>pauca</i>	–	C
Rosaceae	<b>Malus</b>	<b><i>Malus domestica</i></b>	Artificial	<i>sandyi</i>	–	C
Rosaceae	Pyrus	<b><i>Pyrus communis</i></b>	Artificial	<i>fastidiosa</i>	–	C
Rosaceae	Pyrus	<b><i>Pyrus communis</i></b>	Artificial	<i>multiplex</i>	–	C
Rosaceae	Pyrus	<b><i>Pyrus communis</i></b>	Artificial	<i>pauca</i>	–	C
Rosaceae	Pyrus	<b><i>Pyrus communis</i></b>	Artificial	<i>sandyi</i>	–	C
Fagaceae	Quercus	<b><i>Quercus petraea</i></b>	Artificial	<i>fastidiosa</i>	–	C
Fagaceae	Quercus	<b><i>Quercus petraea</i></b>	Artificial	<i>multiplex</i>	–	C
Fagaceae	Quercus	<b><i>Quercus petraea</i></b>	Artificial	<i>pauca</i>	–	C
Salicaceae	Salix	<b><i>Salix alba</i></b>	Artificial	<i>fastidiosa</i>	–	C
Salicaceae	Salix	<b><i>Salix alba</i></b>	Artificial	<i>multiplex</i>	–	C
Salicaceae	Salix	<b><i>Salix alba</i></b>	Artificial	<i>pauca</i>	–	C

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 recorded for *X. fastidiosa* subsp. *multiplex* (203 according to category A, up to 210 for category E), followed by subsp. *pauca* and subsp. *fastidiosa*. In artificial infection, 40 plant species (category A, and 79 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 33 and 32 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	50	2	4	203	53	7	1	168
B	50	2	4	203	53	7	1	173
C	53	2	4	210	57	8	1	368
D	53	2	4	210	57	8	1	374
E	53	2	4	210	57	8	1	385

**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	40	2	19	20	5	0	89
B	41	2	19	21	5	0	94
C	78	2	31	33	11	1	202
D	78	2	31	33	11	1	208
E	79	2	32	33	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) in natural, artificial and not specified conditions is reported in Appendix D. For each plant species, the number of records<sup>7</sup> reporting infection by that specific ST is counted. For natural infection, it is also reported the country where the plant species have been identified, whereas for artificial and not specified infection only, the total number of records is present in the appendix.

Totally, 2,179 records reporting information on 249 plant species infected by 87 different STs have been reported in the database. Most of the records (1,585) 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), Europe (Portugal, Spain, France and Italy). The highest number of records for artificial infections belongs to STs of subsp. *pauca* (246 records). While ST1 (subsp. *fastidiosa*) still remains the most used ST in artificial infections, now with 171 records, ST53 (subsp. *pauca*) is the most reported genotype in natural infections (456).

Compared to the previous version of the database (EFSA, 2022), no new STs have been identified worldwide. ST87 belonging to subsp. *multiplex* and identified in 2018 in Tuscany (Italy) hence remains the last sequence type identified so far, and therefore included in our database.

### 3.5. Tolerant and resistant response 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. Seventy-seven additional records that include this information have been inserted in the database compared to the previous version (EFSA, 2022). Information on tolerant/resistant status is now reported for 72 plant species with a total number of 708 records.

The most studied genera are *Vitis*, *Citrus* and *Prunus* (417, 175 and 58 records, respectively), confirming the important economic value of these crop plant species. Almost all of the new records added to this update are related to several accessions of the plant species *Vitis arizonica*, *V. berlandieri*, *V. candicans*, *V. girdiana*, *V. monticola* and *V. riparia* (72 records), while new information on tolerant and resistant responses have continued to be made available with reference to Leccino, Nocellara messinese, Frantoio and FS-17<sup>®</sup> cultivars of *Olea europaea* (five records), which now gathers 30 records.

<sup>7</sup> 'Record' as defined in Section 2.3.



**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 limettoides</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>30</b>
<i>Olea europaea</i>	30
<b>Platanus</b>	<b>2</b>
<i>Platanus sp.</i>	2
<b>Poncirus</b>	<b>3</b>
<i>Poncirus trifoliata</i>	3
<b>Prunus</b>	<b>58</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>	8
<i>Prunus persica</i>	7
<i>Prunus salicina</i>	14
<i>Prunus sp.</i>	13
<i>Prunus</i> × <i>amygdalo-persica</i>	2
<b>Quercus</b>	<b>2</b>
<i>Quercus ilex</i>	2



Plant genus and species	Number of records
<b>Vaccinium</b>	<b>9</b>
<i>Vaccinium corymbosum</i>	5
<i>Vaccinium sp.</i>	4
<b>Vitis</b>	<b>417</b>
<i>Vitis aestivalis</i>	4
<i>Vitis arizonica</i>	104
<i>Vitis arizonica hybrid</i>	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 hybrids</i>	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 sp.</i>	76
<i>Vitis tiliaefolia</i>	1
<i>Vitis treleasei</i>	6
<i>Vitis vinifera</i>	25
<i>Vitis vinifera hybrid</i>	6
<i>Vitis aestivalis var. smalliana</i>	4
<i>Vitis aestivalis var. smalliana</i> × <i>V. simpsonii</i>	4
<i>Vitis aestivalis var. 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>708</b>

To the aim of this study, 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. One hundred and twenty-nine publications, which match 708 records, for the most part (442) reporting artificial infections, return information on tolerance and resistance outcome to *X. fastidiosa* infection. In 43 publications, the authors consider the plant tolerant or resistant, but without adding further details, whereas in 23 publications (and 242 records), the plant is designated tolerant or resistant based on a lower bacterial population it harbours. In 235 cases, this finding comes from artificial infections. The lack of infection and the lack or reduction of symptoms (78 records in each case) are the two most reported tolerant/resistant outcomes in natural infections.

**Table 12:** Number of records and publications for tolerance/resistance category

Tolerance/resistance category	Number of records			
	Artificial infection	Natural infection	Infection not specified	Number of publications
Lack of infection or negative reading	42	78		14
Lack of systemic movement	50			7
Lack or reduction of symptoms	74	78		12
Lack or reduction of symptoms – Lower bacterial population	20	14		17
Lack or reduction of symptoms – Lower bacterial population - Lower disease incidence		2		2
Lack or reduction of symptoms – Lower disease incidence		2		1
Lower bacterial population	235	7		23
Lower bacterial population – Lower disease incidence		3		3
Lower disease incidence		6		4
Not persistent infection	5	3		3
Reported as tolerant/resistant_no details	16	24	49	43
<b>TOTAL</b>	<b>442</b>	<b>217</b>	<b>49</b>	<b>129</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 6**).

An extensive literature search was performed including all scientific papers published up to 31 December 2021, as well as additional Europhyt outbreak notifications (last accessed on 7 March 2022), two deliverables released by the Horizon 2020 XF-ACTORS Project and an official notification from the Institute for Sustainable Plant Protection – CNR, Bari (Italy).

By these searches, 29 publications were selected and informative data were extracted.

Eleven host plant species and seven genera were identified as new hosts of *X. fastidiosa*. Those plant species and genera were not previously reported as hosts of *X. fastidiosa*. Six plant species were identified in the EU (France, Italy and Portugal) as new natural hosts of subspecies *multiplex*. The *X. fastidiosa* subspecies *pauca* was first described as being able to infect, in artificial trials, *Jasminum azoricum*, a species hitherto never included among susceptible hosts. Two plant species (*Salix alba* and *Quercus petraea*) were artificially infected by subspecies *fastidiosa*, *multiplex* and *pauca*, whereas *Pyrus communis* also proved susceptible by artificial infection to a fourth subspecies (i.e. *sandyi*). *Malus domestica* was artificially infected by subspecies *multiplex*, *pauca* and *sandyi*.

It is worth noting that, in the case of *Pyrus communis*, *Malus domestica*, *Salix alba* and *Quercus petraea*, the identification of artificial infections, with different *X. fastidiosa* subspecies, is the result of a series of greenhouse trials under controlled and forced conditions, which were conducted as part of the XF-ACTORS project. The actual infectious potential of the pathogen in these hosts will need to be verified with additional trials, or once identified under natural conditions.

Compared to the previous version of the database (EFSA, 2022), no new STs have been identified worldwide and no new data were retrieved for *X. taiwanensis* that, up to now, still remains reported only in *Pyrus pyrifolia* plants.

The overall number of *Xylella* spp. host plants reaches now 412 plant species, 190 genera and 68 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 664 plant species, 299 genera and 88 families for category E (i.e. all positives plant species reported, regardless of the detection methods).

Information on tolerant/resistant status were reported for 72 plant species in 124 publications, with a total number of 708 records. The most studied and reported plant taxa are still the economically

important genera *Citrus*, *Prunus* and *Vitis*. The latter also collects almost all of the newly acquired information on resistance or tolerance responses to infection (72 records out of 77 new additions).

A further update of the EFSA database on *Xylella* spp. host plants is planned for the end of 2022 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 6** (<https://doi.org/10.5281/zenodo.1339343>).

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## 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

## 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).

N	Plant species	Pest	Category				
1	<i>Acacia saligna</i>	<i>Xf</i> subsp. unknown	A				
2	<i>Acer rubrum</i>	<i>Xf</i> subsp. unknown	A				
3	<i>Albizia julibrissin</i>	<i>Xf</i> subsp. unknown	A				
4	<i>Amaranthus retroflexus</i>	<i>Xf</i> subsp. unknown	A				
5	<i>Ambrosia psilostachya</i>	<i>Xf</i> subsp. unknown	A				
6	<i>Ambrosia trifida</i>	<i>Xf</i> subsp. unknown	A				
7	<i>Ampelopsis arborea</i>	<i>Xf</i> subsp. unknown	A				
8	<i>Ampelopsis brevipedunculata</i>	<i>Xf</i> subsp. unknown	A				
9	<i>Ampelopsis brevipedunculata</i> var. <i>hancei</i>	<i>Xf</i> subsp. unknown	A				
10	<i>Asparagus acutifolius</i>	<i>Xf</i> subsp. unknown	A				
11	<i>Baccharis halimifolia</i>	<i>Xf</i> subsp. unknown	A				
12	<i>Baccharis</i> sp.	<i>Xf</i> subsp. unknown	A				
13	<i>Brassica</i> sp.	<i>Xf</i> subsp. unknown	A				
14	<i>Callicarpa americana</i>	<i>Xf</i> subsp. unknown	A				
15	<i>Carya aquatica</i>	<i>Xf</i> subsp. unknown	A				
16	<i>Carya cathayensis</i>	<i>Xf</i> subsp. unknown	A				
17	<i>Carya cordiformis</i>	<i>Xf</i> subsp. unknown	A				
18	<i>Carya floridana</i>	<i>Xf</i> subsp. unknown	A				
19	<i>Carya glabra</i>	<i>Xf</i> subsp. unknown	A				
20	<i>Carya illinoensis</i>	<i>Xf</i> subsp. unknown	A				
21	<i>Carya laciniosa</i>	<i>Xf</i> subsp. unknown	A				
22	<i>Carya pallida</i>	<i>Xf</i> subsp. unknown	A				
23	<i>Carya palmeri</i>	<i>Xf</i> subsp. unknown	A				
24	<i>Carya tomentosa</i>	<i>Xf</i> subsp. unknown	A				
25	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. unknown	A				
26	<i>Cercis occidentalis</i>	<i>Xf</i> subsp. unknown	A				
27	<i>Chamaecrista fasciculata</i>	<i>Xf</i> subsp. unknown	A				

N	Plant species	Pest	Category				
28	<i>Chionanthus retusus</i>	<i>Xf</i> subsp. unknown	A				
29	<i>Chitalpa tashkentensis</i>	<i>Xf</i> subsp. unknown	A				
30	<i>Cistus creticus</i>	<i>Xf</i> subsp. unknown	A				
31	<i>Cistus monspeliensis</i>	<i>Xf</i> subsp. unknown	A				
32	<i>Citrus aurantium</i>	<i>Xf</i> subsp. unknown	A				
33	<i>Citrus celebica</i>	<i>Xf</i> subsp. unknown	A				
34	<i>Citrus jambhiri</i>	<i>Xf</i> subsp. unknown	A				
35	<i>Citrus limon</i>	<i>Xf</i> subsp. unknown	A				
36	<i>Citrus medica</i>	<i>Xf</i> subsp. unknown	A				
37	<i>Citrus natsudaoidai</i>	<i>Xf</i> subsp. unknown	A				
38	<i>Citrus paradisi</i>	<i>Xf</i> subsp. unknown	A				
39	<i>Citrus reticulata</i>	<i>Xf</i> subsp. unknown	A				
40	<i>Citrus sinensis</i>	<i>Xf</i> subsp. unknown	A				
41	<i>Citrus</i> sp.	<i>Xf</i> subsp. unknown	A				
42	<i>Citrus tangerina</i>	<i>Xf</i> subsp. unknown	A				
43	<i>Citrus</i> × <i>nobilis</i>	<i>Xf</i> subsp. unknown	A				
44	<i>Citrus</i> × <i>tangelo</i>	<i>Xf</i> subsp. unknown	A				
45	<i>Coelorachis cylindrica</i>	<i>Xf</i> subsp. unknown	A				
46	<i>Coffea arabica</i>	<i>Xf</i> subsp. unknown	A				
47	<i>Coffea</i> sp.	<i>Xf</i> subsp. unknown	A				
48	<i>Conium maculatum</i>	<i>Xf</i> subsp. unknown	A				
49	<i>Digitaria</i> sp.	<i>Xf</i> subsp. unknown	A				
50	<i>Diospyros kaki</i>	<i>Xf</i> subsp. unknown	A				
51	<i>Diplocyclos palmatus</i>	<i>Xf</i> subsp. unknown	A				
52	<i>Dodonaea viscosa</i>	<i>Xf</i> subsp. unknown	A				
53	<i>Euphorbia terracina</i>	<i>Xf</i> subsp. unknown	A				
54	<i>Fagus crenata</i>	<i>Xf</i> subsp. unknown	A				
55	<i>Fatsia japonica</i>	<i>Xf</i> subsp. unknown	A				
56	<i>Ficus carica</i>	<i>Xf</i> subsp. unknown	A				
57	<i>Fraxinus angustifolia</i>	<i>Xf</i> subsp. unknown	A				
58	<i>Fraxinus pennsylvanica</i>	<i>Xf</i> subsp. unknown	A				
59	<i>Genista hirsuta</i>	<i>Xf</i> subsp. unknown	A				
60	<i>Genista</i> × <i>spachiana</i>	<i>Xf</i> subsp. unknown	A				
61	<i>Ginkgo biloba</i>	<i>Xf</i> subsp. unknown	A				
62	<i>Gleditsia triacanthos</i> var. <i>inermis</i>	<i>Xf</i> subsp. unknown	A				
63	<i>Grevillea juniperina</i>	<i>Xf</i> subsp. unknown	A				
64	<i>Helianthus annuus</i>	<i>Xf</i> subsp. unknown	A				
65	<i>Helichrysum stoechas</i>	<i>Xf</i> subsp. unknown	A				
66	<i>Hemerocallis</i> sp.	<i>Xf</i> subsp. unknown	A				
67	<i>Hibiscus schizopetalus</i>	<i>Xf</i> subsp. unknown	A				
68	<i>Humulus scandens</i>	<i>Xf</i> subsp. unknown	A				
69	<i>Ilex vomitoria</i>	<i>Xf</i> subsp. unknown	A				
70	<i>Iva annua</i>	<i>Xf</i> subsp. unknown	A				
71	<i>Jacaranda mimosifolia</i>	<i>Xf</i> subsp. unknown	A				
72	<i>Juglans</i> sp.	<i>Xf</i> subsp. unknown	A				
73	<i>Juniperus ashei</i>	<i>Xf</i> subsp. unknown	A				
74	<i>Lagerstroemia indica</i>	<i>Xf</i> subsp. unknown	A				
75	<i>Lagerstroemia</i> sp.	<i>Xf</i> subsp. unknown	A				
76	<i>Laurus nobilis</i>	<i>Xf</i> subsp. unknown	A				
77	<i>Lavandula angustifolia</i>	<i>Xf</i> subsp. unknown	A				

N	Plant species	Pest	Category				
78	<i>Lavandula dentata</i>	<i>Xf</i> subsp. unknown	A				
79	<i>Ligustrum lucidum</i>	<i>Xf</i> subsp. unknown	A				
80	<i>Liquidambar styraciflua</i>	<i>Xf</i> subsp. unknown	A				
81	<i>Lonicera japonica</i>	<i>Xf</i> subsp. unknown	A				
82	<i>Lupinus aridorum</i>	<i>Xf</i> subsp. unknown	A				
83	<i>Lupinus villosus</i>	<i>Xf</i> subsp. unknown	A				
84	<i>Magnolia grandiflora</i>	<i>Xf</i> subsp. unknown	A				
85	<i>Mallotus paniculatus</i>	<i>Xf</i> subsp. unknown	A				
86	<i>Medicago sativa</i>	<i>Xf</i> subsp. unknown	A				
87	<i>Mimosa</i> sp.	<i>Xf</i> subsp. unknown	A				
88	<i>Modiola caroliniana</i>	<i>Xf</i> subsp. unknown	A				
89	<i>Morus alba</i>	<i>Xf</i> subsp. unknown	A				
90	<i>Morus rubra</i>	<i>Xf</i> subsp. unknown	A				
91	<i>Morus</i> sp.	<i>Xf</i> subsp. unknown	A				
92	<i>Myoporum insulare</i>	<i>Xf</i> subsp. unknown	A				
93	<i>Myrtus communis</i>	<i>Xf</i> subsp. unknown	A				
94	<i>Nandina domestica</i>	<i>Xf</i> subsp. unknown	A				
95	<i>Neptunia lutea</i>	<i>Xf</i> subsp. unknown	A				
96	<i>Nerium oleander</i>	<i>Xf</i> subsp. unknown	A				
97	<i>Olea europaea</i>	<i>Xf</i> subsp. unknown	A				
98	<i>Olea europaea</i> subsp. <i>sylvestris</i>	<i>Xf</i> subsp. unknown	A				
99	<i>Olea</i> sp.	<i>Xf</i> subsp. unknown	A				
100	<i>Parthenocissus quinquefolia</i>	<i>Xf</i> subsp. unknown	A				
101	<i>Paspalum dilatatum</i>	<i>Xf</i> subsp. unknown	A				
102	Periwinkle (common name)	<i>Xf</i> subsp. unknown	A				
103	<i>Persea americana</i>	<i>Xf</i> subsp. unknown	A				
104	<i>Phagnalon saxatile</i>	<i>Xf</i> subsp. unknown	A				
105	<i>Phlomis italica</i>	<i>Xf</i> subsp. unknown	A				
106	<i>Phoenix reclinata</i>	<i>Xf</i> subsp. unknown	A				
107	<i>Phoenix roebelenii</i>	<i>Xf</i> subsp. unknown	A				
108	<i>Pinus taeda</i>	<i>Xf</i> subsp. unknown	A				
109	<i>Platanus occidentalis</i>	<i>Xf</i> subsp. unknown	A				
110	<i>Platanus</i> sp.	<i>Xf</i> subsp. unknown	A				
111	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. unknown	A				
112	<i>Prunus avium</i>	<i>Xf</i> subsp. unknown	A				
113	<i>Prunus cerasifera</i>	<i>Xf</i> subsp. unknown	A				
114	<i>Prunus cerasifera</i> × <i>P. munsoniana</i>	<i>Xf</i> subsp. unknown	A				
115	<i>Prunus dulcis</i>	<i>Xf</i> subsp. unknown	A				
116	<i>Prunus persica</i>	<i>Xf</i> subsp. unknown	A				
117	<i>Prunus salicina</i>	<i>Xf</i> subsp. unknown	A				
118	<i>Prunus</i> sp.	<i>Xf</i> subsp. unknown	A				
119	<i>Pyrus pyrifolia</i>	<i>Xf</i> subsp. unknown	A				
120	<i>Pyrus</i> sp.	<i>Xf</i> subsp. unknown	A				
121	<i>Quercus coccinea</i>	<i>Xf</i> subsp. unknown	A				
122	<i>Quercus falcata</i>	<i>Xf</i> subsp. unknown	A				
123	<i>Quercus laevis</i>	<i>Xf</i> subsp. unknown	A				
124	<i>Quercus laurifolia</i>	<i>Xf</i> subsp. unknown	A				
125	<i>Quercus nigra</i>	<i>Xf</i> subsp. unknown	A				
126	<i>Quercus palustris</i>	<i>Xf</i> subsp. unknown	A				
127	<i>Quercus rubra</i>	<i>Xf</i> subsp. unknown	A				



N	Plant species	Pest	Category				
128	<i>Quercus</i> sp.	<i>Xf</i> subsp. unknown	A				
129	<i>Quercus velutina</i>	<i>Xf</i> subsp. unknown	A				
130	<i>Quercus virginiana</i>	<i>Xf</i> subsp. unknown	A				
131	<i>Ratibida columnifera</i>	<i>Xf</i> subsp. unknown	A				
132	<i>Rhamnus alaternus</i>	<i>Xf</i> subsp. unknown	A				
133	<i>Rhus</i> sp.	<i>Xf</i> subsp. unknown	A				
134	<i>Rubus hedycarpus</i> subsp. <i>procerus</i>	<i>Xf</i> subsp. unknown	A				
135	<i>Rubus</i> sp.	<i>Xf</i> subsp. unknown	A				
136	<i>Salvia officinalis</i>	<i>Xf</i> subsp. unknown	A				
137	<i>Salvia rosmarinus</i>	<i>Xf</i> subsp. unknown	A				
138	<i>Sambucus canadensis</i>	<i>Xf</i> subsp. unknown	A				
139	<i>Santolina chamaecyparissus</i>	<i>Xf</i> subsp. unknown	A				
140	<i>Sassafras albidum</i>	<i>Xf</i> subsp. unknown	A				
141	<i>Sassafras</i> sp.	<i>Xf</i> subsp. unknown	A				
142	<i>Setaria magna</i>	<i>Xf</i> subsp. unknown	A				
143	<i>Solidago fistulosa</i>	<i>Xf</i> subsp. unknown	A				
144	<i>Spartium junceum</i>	<i>Xf</i> subsp. unknown	A				
145	<i>Stewartia pseudocamellia</i>	<i>Xf</i> subsp. unknown	A				
146	<i>Symphotrichum divaricatum</i>	<i>Xf</i> subsp. unknown	A				
147	<i>Trifolium repens</i>	<i>Xf</i> subsp. unknown	A				
148	<i>Ulmus americana</i>	<i>Xf</i> subsp. unknown	A				
149	<i>Ulmus glabra</i>	<i>Xf</i> subsp. unknown	A				
150	<i>Ulmus pumila</i>	<i>Xf</i> subsp. unknown	A				
151	<i>Ulmus</i> sp.	<i>Xf</i> subsp. unknown	A				
152	<i>Vaccinium ashei</i>	<i>Xf</i> subsp. unknown	A				
153	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. unknown	A				
154	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. unknown	A				
155	<i>Vaccinium virgatum</i>	<i>Xf</i> subsp. unknown	A				
156	<i>Vinca major</i>	<i>Xf</i> subsp. unknown	A				
157	<i>Vinca minor</i>	<i>Xf</i> subsp. unknown	A				
158	<i>Vitex agnus-castus</i>	<i>Xf</i> subsp. unknown	A				
159	<i>Vitis californica</i>	<i>Xf</i> subsp. unknown	A				
160	<i>Vitis candicans</i>	<i>Xf</i> subsp. unknown	A				
161	<i>Vitis labrusca</i>	<i>Xf</i> subsp. unknown	A				
162	<i>Vitis labrusca</i> × <i>V. vinifera</i>	<i>Xf</i> subsp. unknown	A				
163	<i>Vitis munsoniana</i>	<i>Xf</i> subsp. unknown	A				
164	<i>Vitis muscadina</i>	<i>Xf</i> subsp. unknown	A				
165	<i>Vitis riparia</i>	<i>Xf</i> subsp. unknown	A				
166	<i>Vitis rotundifolia</i>	<i>Xf</i> subsp. unknown	A				
167	<i>Vitis</i> sp.	<i>Xf</i> subsp. unknown	A				
168	<i>Vitis vinifera</i>	<i>Xf</i> subsp. unknown	A				
169	<i>Acer saccharum</i>	<i>Xf</i> subsp. unknown		B			
170	<i>Cyperus eragrostis</i>	<i>Xf</i> subsp. unknown		B			
171	<i>Hevea brasiliensis</i>	<i>Xf</i> subsp. unknown		B			
172	<i>Prunus domestica</i>	<i>Xf</i> subsp. unknown		B			
173	<i>Sorghum halepense</i>	<i>Xf</i> subsp. unknown		B			
174	<i>Acacia longifolia</i>	<i>Xf</i> subsp. unknown			C		
175	<i>Acer macrophyllum</i>	<i>Xf</i> subsp. unknown			C		
176	<i>Acer negundo</i>	<i>Xf</i> subsp. unknown			C		
177	<i>Acer platanoides</i>	<i>Xf</i> subsp. unknown			C		



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178	<i>Acer</i> sp.	<i>Xf</i> subsp. unknown	C
179	<i>Aesculus</i> × <i>hybrida</i>	<i>Xf</i> subsp. unknown	C
180	<i>Agathis australis</i>	<i>Xf</i> subsp. unknown	C
181	<i>Agrostis gigantea</i>	<i>Xf</i> subsp. unknown	C
182	<i>Alectryon excelsus</i>	<i>Xf</i> subsp. unknown	C
183	<i>Alternanthera ficoidea</i>	<i>Xf</i> subsp. unknown	C
184	<i>Amaranthus</i> sp.	<i>Xf</i> subsp. unknown	C
185	<i>Anisantha diandra</i>	<i>Xf</i> subsp. unknown	C
186	<i>Anisantha rigida</i>	<i>Xf</i> subsp. unknown	C
187	<i>Arctostaphylos</i> sp.	<i>Xf</i> subsp. unknown	C
188	<i>Artemisia douglasiana</i>	<i>Xf</i> subsp. unknown	C
189	<i>Atriplex</i> sp.	<i>Xf</i> subsp. unknown	C
190	<i>Avena fatua</i>	<i>Xf</i> subsp. unknown	C
191	<i>Axonopus compressus</i>	<i>Xf</i> subsp. unknown	C
192	<i>Baccharis pilularis</i>	<i>Xf</i> subsp. unknown	C
193	<i>Bidens pilosa</i>	<i>Xf</i> subsp. unknown	C
194	<i>Boerhavia diffusa</i>	<i>Xf</i> subsp. unknown	C
195	<i>Borreria latifolia</i>	<i>Xf</i> subsp. unknown	C
196	<i>Brachiaria decumbens</i>	<i>Xf</i> subsp. unknown	C
197	<i>Brachiaria plantaginea</i>	<i>Xf</i> subsp. unknown	C
198	<i>Brachyglottis</i> sp.	<i>Xf</i> subsp. unknown	C
199	<i>Bromus</i> sp.	<i>Xf</i> subsp. unknown	C
200	<i>Broussonetia papyrifera</i>	<i>Xf</i> subsp. unknown	C
201	<i>Calicotome</i> sp.	<i>Xf</i> subsp. unknown	C
202	<i>Calicotome spinosa</i>	<i>Xf</i> subsp. unknown	C
203	<i>Calyptocarpus biaristatus</i>	<i>Xf</i> subsp. unknown	C
204	<i>Campsis radicans</i>	<i>Xf</i> subsp. unknown	C
205	<i>Capsella bursa-pastoris</i>	<i>Xf</i> subsp. unknown	C
206	<i>Carex</i> sp.	<i>Xf</i> subsp. unknown	C
207	<i>Celastrus orbiculatus</i>	<i>Xf</i> subsp. unknown	C
208	<i>Cenchrus echinatus</i>	<i>Xf</i> subsp. unknown	C
209	<i>Chenopodiastrum murale</i>	<i>Xf</i> subsp. unknown	C
210	<i>Chloris halophila</i>	<i>Xf</i> subsp. unknown	C
211	<i>Coffea arabica</i> × <i>C. canephora</i>	<i>Xf</i> subsp. unknown	C
212	<i>Coffea arabica</i> × <i>C. eugenioides</i>	<i>Xf</i> subsp. unknown	C
213	<i>Coffea arabica</i> × <i>C. liberica</i> var. <i>dewevrei</i>	<i>Xf</i> subsp. unknown	C
214	<i>Coffea arabica</i> × <i>C. racemosa</i>	<i>Xf</i> subsp. unknown	C
215	<i>Coffea canephora</i>	<i>Xf</i> subsp. unknown	C
216	<i>Coffea racemosa</i>	<i>Xf</i> subsp. unknown	C
217	<i>Coffea eugenioides</i>	<i>Xf</i> subsp. unknown	C
218	<i>Coffea kapakata</i>	<i>Xf</i> subsp. unknown	C
219	<i>Coffea liberica</i> var. <i>dewevrei</i>	<i>Xf</i> subsp. unknown	C
220	<i>Coffea stenophylla</i>	<i>Xf</i> subsp. unknown	C
221	<i>Commelina benghalensis</i>	<i>Xf</i> subsp. unknown	C
222	<i>Commelina erecta</i>	<i>Xf</i> subsp. unknown	C
223	<i>Convolvulus arvensis</i>	<i>Xf</i> subsp. unknown	C
224	<i>Coprosma repens</i>	<i>Xf</i> subsp. unknown	C
225	<i>Coprosma robusta</i>	<i>Xf</i> subsp. unknown	C
226	<i>Cordyline australis</i>	<i>Xf</i> subsp. unknown	C
227	<i>Cordyline</i> sp.	<i>Xf</i> subsp. unknown	C

N	Plant species	Pest	Category
228	<i>Cornus florida</i>	<i>Xf</i> subsp. unknown	C
229	<i>Corokia cotoneaster</i>	<i>Xf</i> subsp. unknown	C
230	<i>Corokia macrocarpa</i>	<i>Xf</i> subsp. unknown	C
231	<i>Corokia</i> sp.	<i>Xf</i> subsp. unknown	C
232	<i>Corynocarpus laevigatus</i>	<i>Xf</i> subsp. unknown	C
233	<i>Croton setigerus</i>	<i>Xf</i> subsp. unknown	C
234	<i>Cynodon dactylon</i>	<i>Xf</i> subsp. unknown	C
235	<i>Cyperus</i> sp.	<i>Xf</i> subsp. unknown	C
236	<i>Cytisus scoparius</i>	<i>Xf</i> subsp. unknown	C
237	<i>Datura wrightii</i>	<i>Xf</i> subsp. unknown	C
238	<i>Digitaria horizontalis</i>	<i>Xf</i> subsp. unknown	C
239	<i>Digitaria insularis</i>	<i>Xf</i> subsp. unknown	C
240	<i>Digitaria sanguinalis</i>	<i>Xf</i> subsp. unknown	C
241	<i>Duranta erecta</i>	<i>Xf</i> subsp. unknown	C
242	<i>Dysphania ambrosioides</i>	<i>Xf</i> subsp. unknown	C
243	<i>Echinochloa crus-galli</i>	<i>Xf</i> subsp. unknown	C
244	<i>Eleusine indica</i>	<i>Xf</i> subsp. unknown	C
245	<i>Erigeron canadensis</i>	<i>Xf</i> subsp. unknown	C
246	<i>Eriochloa contracta</i>	<i>Xf</i> subsp. unknown	C
247	<i>Eriogonum</i> sp.	<i>Xf</i> subsp. unknown	C
248	<i>Erodium botrys</i>	<i>Xf</i> subsp. unknown	C
249	<i>Erodium moschatum</i>	<i>Xf</i> subsp. unknown	C
250	<i>Erodium</i> sp.	<i>Xf</i> subsp. unknown	C
251	<i>Escallonia bifida</i>	<i>Xf</i> subsp. unknown	C
252	<i>Eucalyptus</i> sp.	<i>Xf</i> subsp. unknown	C
253	<i>Euphorbia hirta</i>	<i>Xf</i> subsp. unknown	C
254	<i>Facelis retusa</i>	<i>Xf</i> subsp. unknown	C
255	<i>Fragaria vesca</i> subsp. <i>californica</i>	<i>Xf</i> subsp. unknown	C
256	<i>Fraxinus dipetala</i>	<i>Xf</i> subsp. unknown	C
257	<i>Fuchsia magellanica</i>	<i>Xf</i> subsp. unknown	C
258	<i>Genista lucida</i>	<i>Xf</i> subsp. unknown	C
259	<i>Geranium dissectum</i>	<i>Xf</i> subsp. unknown	C
260	<i>Haloragis erecta</i>	<i>Xf</i> subsp. unknown	C
261	<i>Hebe</i> sp.	<i>Xf</i> subsp. unknown	C
262	<i>Hedera helix</i>	<i>Xf</i> subsp. unknown	C
263	<i>Heliotropium fruticosum</i>	<i>Xf</i> subsp. unknown	C
264	<i>Heliotropium indicum</i>	<i>Xf</i> subsp. unknown	C
265	<i>Heterotheca grandiflora</i>	<i>Xf</i> subsp. unknown	C
266	<i>Hordeum murinum</i>	<i>Xf</i> subsp. unknown	C
267	<i>Hydrangea paniculata</i>	<i>Xf</i> subsp. unknown	C
268	<i>Hypochaeris brasiliensis</i>	<i>Xf</i> subsp. unknown	C
269	<i>Ipomoea fistulosa</i>	<i>Xf</i> subsp. unknown	C
270	<i>Juglans regia</i>	<i>Xf</i> subsp. unknown	C
271	<i>Lactuca serriola</i>	<i>Xf</i> subsp. unknown	C
272	<i>Leonurus sibiricus</i>	<i>Xf</i> subsp. unknown	C
273	<i>Lepidium auriculatum</i>	<i>Xf</i> subsp. unknown	C
274	<i>Lepidium didymum</i>	<i>Xf</i> subsp. unknown	C
275	<i>Ligustrum sinense</i>	<i>Xf</i> subsp. unknown	C
276	<i>Ligustrum virginicum</i>	<i>Xf</i> subsp. unknown	C
277	<i>Liriodendron tulipifera</i>	<i>Xf</i> subsp. unknown	C

N	Plant species	Pest	Category
278	<i>Lolium multiflorum</i>	<i>Xf</i> subsp. unknown	C
279	<i>Lolium perenne</i>	<i>Xf</i> subsp. unknown	C
280	<i>Ludwigia grandiflora</i>	<i>Xf</i> subsp. unknown	C
281	<i>Malva parviflora</i>	<i>Xf</i> subsp. unknown	C
282	<i>Marrubium vulgare</i>	<i>Xf</i> subsp. unknown	C
283	<i>Medicago polymorpha</i>	<i>Xf</i> subsp. unknown	C
284	<i>Melicope ternata</i>	<i>Xf</i> subsp. unknown	C
285	<i>Melicytus ramiflorus</i>	<i>Xf</i> subsp. unknown	C
286	<i>Melilotus</i> sp.	<i>Xf</i> subsp. unknown	C
287	<i>Melissa officinalis</i>	<i>Xf</i> subsp. unknown	C
288	<i>Merremia macrocalyx</i>	<i>Xf</i> subsp. unknown	C
289	<i>Meryta sinclairii</i>	<i>Xf</i> subsp. unknown	C
290	<i>Metrosideros excelsa</i>	<i>Xf</i> subsp. unknown	C
291	<i>Metrosideros</i> sp.	<i>Xf</i> subsp. unknown	C
292	<i>Metrosideros kermadecensis</i>	<i>Xf</i> subsp. unknown	C
293	<i>Montiastrum lineare</i>	<i>Xf</i> subsp. unknown	C
294	<i>Myoporum laetum</i>	<i>Xf</i> subsp. unknown	C
295	<i>Origanum majorana</i>	<i>Xf</i> subsp. unknown	C
296	<i>Panicum acuminatum</i>	<i>Xf</i> subsp. unknown	C
297	<i>Parthenocissus tricuspidata</i>	<i>Xf</i> subsp. unknown	C
298	<i>Paspalum urvillei</i>	<i>Xf</i> subsp. unknown	C
299	<i>Paspalum regnellii</i>	<i>Xf</i> subsp. unknown	C
300	<i>Passiflora foetida</i>	<i>Xf</i> subsp. unknown	C
301	<i>Pennisetum clandestinum</i>	<i>Xf</i> subsp. unknown	C
302	<i>Persicaria lapathifolia</i>	<i>Xf</i> subsp. unknown	C
303	<i>Persicaria maculosa</i>	<i>Xf</i> subsp. unknown	C
304	<i>Phalaris angusta</i>	<i>Xf</i> subsp. unknown	C
305	<i>Phoenix</i> sp.	<i>Xf</i> subsp. unknown	C
306	<i>Phormium colensoi</i>	<i>Xf</i> subsp. unknown	C
307	<i>Phormium tenax</i>	<i>Xf</i> subsp. unknown	C
308	<i>Pittosporum crassifolium</i>	<i>Xf</i> subsp. unknown	C
309	<i>Pittosporum eugenioides</i>	<i>Xf</i> subsp. unknown	C
310	<i>Pittosporum tenuifolium</i>	<i>Xf</i> subsp. unknown	C
311	<i>Pittosporum umbellatum</i>	<i>Xf</i> subsp. unknown	C
312	<i>Plantago lanceolata</i>	<i>Xf</i> subsp. unknown	C
313	<i>Pluchea odorata</i>	<i>Xf</i> subsp. unknown	C
314	<i>Poa annua</i>	<i>Xf</i> subsp. unknown	C
315	<i>Polygonum arenastrum</i>	<i>Xf</i> subsp. unknown	C
316	<i>Portulaca oleracea</i>	<i>Xf</i> subsp. unknown	C
317	<i>Prunus angustifolia</i>	<i>Xf</i> subsp. unknown	C
318	<i>Prunus laurocerasus</i>	<i>Xf</i> subsp. unknown	C
319	<i>Prunus serotina</i>	<i>Xf</i> subsp. unknown	C
320	<i>Prunus serrulata</i>	<i>Xf</i> subsp. unknown	C
321	<i>Prunus simonii</i> × <i>P. salicina</i> × <i>P. cerasifera</i> × <i>P. munsoniana</i>	<i>Xf</i> subsp. unknown	C
322	<i>Quercus agrifolia</i>	<i>Xf</i> subsp. unknown	C
323	<i>Quercus alba</i>	<i>Xf</i> subsp. unknown	C
324	<i>Quercus ilex</i>	<i>Xf</i> subsp. unknown	C
325	<i>Quercus imbricaria</i>	<i>Xf</i> subsp. unknown	C
326	<i>Quercus incana</i>	<i>Xf</i> subsp. unknown	C

N	Plant species	Pest	Category			
327	<i>Quercus macrocarpa</i>	<i>Xf</i> subsp. unknown			C	
328	<i>Quercus phellos</i>	<i>Xf</i> subsp. unknown			C	
329	<i>Ranunculus repens</i>	<i>Xf</i> subsp. unknown			C	
330	<i>Rhus diversiloba</i>	<i>Xf</i> subsp. unknown			C	
331	<i>Richardia</i> sp.	<i>Xf</i> subsp. unknown			C	
332	<i>Rosa californica</i>	<i>Xf</i> subsp. unknown			C	
333	<i>Rubus ursinus</i>	<i>Xf</i> subsp. unknown			C	
334	<i>Rubus vitifolius</i>	<i>Xf</i> subsp. unknown			C	
335	<i>Rumex crispus</i>	<i>Xf</i> subsp. unknown			C	
336	<i>Salix</i> sp.	<i>Xf</i> subsp. unknown			C	
337	<i>Salsola kali</i> subsp. <i>tragus</i>	<i>Xf</i> subsp. unknown			C	
338	<i>Sambucus cerulea</i>	<i>Xf</i> subsp. unknown			C	
339	<i>Santolina magonica</i>	<i>Xf</i> subsp. unknown			C	
340	<i>Senecio grisebachii</i>	<i>Xf</i> subsp. unknown			C	
341	<i>Senecio vulgaris</i>	<i>Xf</i> subsp. unknown			C	
342	<i>Senna secundiflora</i>	<i>Xf</i> subsp. unknown			C	
343	<i>Sida rhombifolia</i>	<i>Xf</i> subsp. unknown			C	
344	<i>Silybum marianum</i>	<i>Xf</i> subsp. unknown			C	
345	<i>Sisymbrium irio</i>	<i>Xf</i> subsp. unknown			C	
346	<i>Solanum americanum</i>	<i>Xf</i> subsp. unknown			C	
347	<i>Sonchus oleraceus</i>	<i>Xf</i> subsp. unknown			C	
348	<i>Sonchus</i> sp.	<i>Xf</i> subsp. unknown			C	
349	<i>Sophora secundiflora</i>	<i>Xf</i> subsp. unknown			C	
350	<i>Stachys arvensis</i>	<i>Xf</i> subsp. unknown			C	
351	<i>Stellaria media</i>	<i>Xf</i> subsp. unknown			C	
352	<i>Syzygium paniculatum</i>	<i>Xf</i> subsp. unknown			C	
353	<i>Talinum paniculatum</i>	<i>Xf</i> subsp. unknown			C	
354	<i>Taraxacum officinale</i>	<i>Xf</i> subsp. unknown			C	
355	<i>Trifolium incarnatum</i>	<i>Xf</i> subsp. unknown			C	
356	<i>Ulex parviflorus</i>	<i>Xf</i> subsp. unknown			C	
357	<i>Urtica dioica</i> subsp. <i>gracilis</i>	<i>Xf</i> subsp. unknown			C	
358	<i>Urtica urens</i>	<i>Xf</i> subsp. unknown			C	
359	<i>Verbena litoralis</i>	<i>Xf</i> subsp. unknown			C	
360	<i>Vernonia</i> sp.	<i>Xf</i> subsp. unknown			C	
361	<i>Veronica persica</i>	<i>Xf</i> subsp. unknown			C	
362	<i>Veronica</i> sp.	<i>Xf</i> subsp. unknown			C	
363	<i>Vicia ludoviciana</i>	<i>Xf</i> subsp. unknown			C	
364	<i>Vitex lucens</i>	<i>Xf</i> subsp. unknown			C	
365	<i>Vitis arizonica</i>	<i>Xf</i> subsp. unknown			C	
366	<i>Vitis girdiana</i>	<i>Xf</i> subsp. unknown			C	
367	<i>Wisteria frutescens</i>	<i>Xf</i> subsp. unknown			C	
368	<i>Xanthium spinosum</i>	<i>Xf</i> subsp. unknown			C	
369	<i>Citrus</i> × <i>limonia</i>	<i>Xf</i> subsp. unknown				D
370	<i>Coffea liberica</i>	<i>Xf</i> subsp. unknown				D
371	<i>Prunus americana</i>	<i>Xf</i> subsp. unknown				D
372	<i>Prunus munsoniana</i>	<i>Xf</i> subsp. unknown				D
373	<i>Prunus simonii</i>	<i>Xf</i> subsp. unknown				D
374	<i>Solidago canadensis</i>	<i>Xf</i> subsp. unknown				D
375	<i>Prunus armeniaca</i>	<i>Xf</i> subsp. unknown				E
376	<i>Prunus hortulana</i>	<i>Xf</i> subsp. unknown				E

N	Plant species	Pest	Category			
377	<i>Prunus mexicana</i>	<i>Xf</i> subsp. unknown				E
378	<i>Ulmus</i> × <i>hollandica</i>	<i>Xf</i> subsp. unknown				E
379	<i>Vitis aestivalis</i>	<i>Xf</i> subsp. unknown				E
380	<i>Vitis bourquiniana</i>	<i>Xf</i> subsp. unknown				E
381	<i>Vitis cinerea</i>	<i>Xf</i> subsp. unknown				E
382	<i>Vitis simpsonii</i>	<i>Xf</i> subsp. unknown				E
383	<i>Vitis</i> × <i>champinii</i>	<i>Xf</i> subsp. unknown				E
384	<i>Vitis rufotomentosa</i>	<i>Xf</i> subsp. unknown				E
385	<i>Vitis shuttleworthii</i>	<i>Xf</i> subsp. unknown				E
N	Plant species	Pest	Category			
1	<i>Acer</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
2	<i>Ambrosia artemisiifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
3	<i>Calicotome spinosa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
4	<i>Cercis occidentalis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
5	<i>Cistus monspeliensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
6	<i>Citrus sinensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
7	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
8	<i>Coffea canephora</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
9	<i>Coffea</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
10	<i>Erysimum</i> hybrids	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
11	<i>Ficus carica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
12	<i>Genista lucida</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
13	<i>Juglans regia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
14	<i>Lupinus aridorum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
15	<i>Magnolia grandiflora</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
16	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
17	<i>Metrosideros</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
18	<i>Morus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
19	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
20	<i>Pluchea odorata</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
21	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
22	<i>Prunus avium</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
23	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
24	<i>Prunus persica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
25	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
26	<i>Psidium</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
27	<i>Rhamnus alaternus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
28	<i>Rubus rigidus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
29	<i>Rubus ursinus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
30	<i>Ruta chalepensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
31	<i>Salvia rosmarinus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
32	<i>Sambucus canadensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
33	<i>Sambucus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
34	<i>Spartium junceum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
35	<i>Streptocarpus</i> hybrids	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
36	<i>Teucrium capitatum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
37	<i>Ulmus americana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
38	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
39	<i>Vinca major</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			

N	Plant species	Pest	Category				
40	<i>Vinca</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
41	<i>Vitis aestivalis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
42	<i>Vitis aestivalis</i> hybrid	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
43	<i>Vitis californica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
44	<i>Vitis candicans</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
45	<i>Vitis cinerea</i> var. <i>helleri</i> × <i>V. vulpina</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
46	<i>Vitis girdiana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
47	<i>Vitis</i> hybrids	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
48	<i>Vitis rotundifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
49	<i>Vitis</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
50	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
51	<i>Broussonetia papyrifera</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
52	<i>Quercus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
53	<i>Ulmus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
N	Plant species	Pest	Category				
1	<i>Acacia cultriformis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
2	<i>Acacia dealbata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
3	<i>Acacia longifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
4	<i>Acacia melanoxylon</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
5	<i>Acacia saligna</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
6	<i>Acacia</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
7	<i>Acer griseum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
8	<i>Acer pseudoplatanus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
9	<i>Acer rubrum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
10	<i>Adenocarpus lainzii</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
11	<i>Alnus rhombifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
12	<i>Ambrosia psilostachya</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
13	<i>Ambrosia</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
14	<i>Ambrosia trifida</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
15	<i>Ambrosia trifida</i> var. <i>texana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
16	<i>Ampelopsis cordata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
17	<i>Anthyllis hermenniae</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
18	<i>Arbutus unedo</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
19	<i>Argyranthemum frutescens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
20	<i>Artemisia absinthium</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
21	<i>Artemisia arborescens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
22	<i>Artemisia</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
23	<i>Asparagus acutifolius</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
24	<i>Athyrium filix-femina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
25	<i>Baccharis halimifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
26	<i>Berberis thunbergii</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
27	<i>Calicotome spinosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
28	<i>Calicotome villosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
29	<i>Callistemon citrinus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
30	<i>Calluna vulgaris</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
31	<i>Calocephalus brownii</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
32	<i>Carya illinoensis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
33	<i>Carya</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
34	<i>Celtis occidentalis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				



N	Plant species	Pest	Category				
35	<i>Cercis canadensis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
36	<i>Cercis occidentalis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
37	<i>Cercis siliquastrum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
38	<i>Chionanthus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
39	<i>Cistus albidus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
40	<i>Cistus creticus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
41	<i>Cistus inflatus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
42	<i>Cistus monspeliensis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
43	<i>Cistus salviifolius</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
44	<i>Cistus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
45	<i>Clematis cirrhosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
46	<i>Clematis vitalba</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
47	<i>Convolvulus cneorum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
48	<i>Coprosma repens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
49	<i>Coronilla valentina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
50	<i>Coronilla valentina</i> subsp. <i>glauca</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
51	<i>Cytisus scoparius</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
52	<i>Cytisus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
53	<i>Cytisus spinosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
54	<i>Cytisus villosus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
55	<i>Dimorphotheca ecklonis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
56	<i>Dodonaea viscosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
57	<i>Echium plantagineum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
58	<i>Elaeagnus angustifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
59	<i>Elaeagnus</i> × <i>submacrophylla</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
60	<i>Encelia farinosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
61	<i>Erica cinerea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
62	<i>Erigeron canadensis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
63	<i>Erigeron karvinskianus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
64	<i>Eriocephalus africanus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
65	<i>Erodium moschatum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
66	<i>Euryops chrysanthemoides</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
67	<i>Euryops pectinatus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
68	<i>Fallopia japonica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
69	<i>Ficus carica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
70	<i>Frangula alnus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
71	<i>Fraxinus americana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
72	<i>Fraxinus angustifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
73	<i>Fraxinus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
74	<i>Gazania rigens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
75	<i>Genista corsica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
76	<i>Genista ephedroides</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
77	<i>Genista scorpius</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
78	<i>Genista</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
79	<i>Genista tridentata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
80	<i>Genista valdes-bermejoi</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
81	<i>Genista</i> × <i>spachiana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
82	<i>Ginkgo biloba</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
83	<i>Gleditsia triacanthos</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
84	<i>Grevillea juniperina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				



N	Plant species	Pest	Category				
85	<i>Hebe elliptica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
86	<i>Hebe</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
87	<i>Helianthus annuus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
88	<i>Helianthus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
89	<i>Helichrysum italicum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
90	<i>Helichrysum</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
91	<i>Helichrysum stoechas</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
92	<i>Hibiscus syriacus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
93	<i>Hypericum perforatum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
94	<i>Ilex aquifolium</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
95	<i>Iva annua</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
96	<i>Jacobaea maritima</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
97	<i>Koelreuteria bipinnata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
98	<i>Lagerstroemia indica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
99	<i>Lagerstroemia</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
100	<i>Laurus nobilis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
101	<i>Lavandula angustifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
102	<i>Lavandula dentata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
103	<i>Lavandula latifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
104	<i>Lavandula</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
105	<i>Lavandula stoechas</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
106	<i>Lavandula</i> × <i>heterophylla</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
107	<i>Lavandula</i> × <i>intermedia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
108	<i>Lavatera cretica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
109	<i>Liquidambar styraciflua</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
110	<i>Lonicera implexa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
111	<i>Lonicera japonica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
112	<i>Lupinus aridorum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
113	<i>Lupinus villosus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
114	<i>Magnolia grandiflora</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
115	<i>Magnolia</i> × <i>soulangeana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
116	<i>Medicago arborea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
117	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
118	<i>Metrosideros excelsa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
119	<i>Metrosideros</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
120	<i>Myoporum laetum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
121	<i>Myrtus communis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
122	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
123	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
124	<i>Olea europaea</i> subsp. <i>sylvestris</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
125	<i>Olea</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
126	<i>Pelargonium graveolens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
127	<i>Pelargonium</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
128	Periwinkle (common name)	<i>Xf</i> subsp. <i>multiplex</i>	A				
129	<i>Perovskia abrotanoides</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
130	<i>Phagnalon saxatile</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
131	<i>Phillyrea angustifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
132	<i>Phillyrea latifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
133	<i>Phlomis fruticosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
134	<i>Pistacia vera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				

N	Plant species	Pest	Category				
135	<i>Plantago lanceolata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
136	<i>Platanus occidentalis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
137	<i>Platanus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
138	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
139	<i>Polygala</i> × <i>grandiflora nana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
140	<i>Prunus armeniaca</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
141	<i>Prunus avium</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
142	<i>Prunus cerasifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
143	<i>Prunus cerasus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
144	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
145	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
146	<i>Prunus laurocerasus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
147	<i>Prunus persica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
148	<i>Prunus salicina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
149	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
150	<i>Pteridium aquilinum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
151	<i>Quercus coccinea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
152	<i>Quercus falcata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
153	<i>Quercus ilex</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
154	<i>Quercus laevis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
155	<i>Quercus macrocarpa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
156	<i>Quercus nigra</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
157	<i>Quercus palustris</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
158	<i>Quercus phellos</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
159	<i>Quercus pubescens</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
160	<i>Quercus robur</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
161	<i>Quercus rubra</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
162	<i>Quercus shumardii</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
163	<i>Quercus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
164	<i>Quercus suber</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
165	<i>Ratibida columnifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
166	<i>Retama monosperma</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
167	<i>Rhamnus alaternus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
168	<i>Rhamnus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
169	<i>Robinia pseudoacacia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
170	<i>Rosa canina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
171	<i>Rosa</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
172	<i>Rubus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
173	<i>Rubus ulmifolius</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
174	<i>Salvia mellifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
175	<i>Salvia officinalis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
176	<i>Salvia rosmarinus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
177	<i>Salvia</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
178	<i>Sambucus nigra</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
179	<i>Sambucus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
180	<i>Santolina chamaecyparissus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
181	<i>Santolina magonica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
182	<i>Sapindus saponaria</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				
183	<i>Scabiosa</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A				
184	<i>Solidago virgaurea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A				

N	Plant species	Pest	Category
185	<i>Spartium junceum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
186	<i>Spartium</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A
187	<i>Strelitzia reginae</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
188	<i>Ulex europaeus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
189	<i>Ulex minor</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
190	<i>Ulex parviflorus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
191	<i>Ulex</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A
192	<i>Ulmus americana</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
193	<i>Ulmus crassifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
194	<i>Ulmus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A
195	<i>Vaccinium ashei</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
196	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
197	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A
198	<i>Viburnum tinus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
199	<i>Vinca major</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
200	<i>Vinca</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A
201	<i>Vitex agnus-castus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
202	<i>Westringia fruticosa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
203	<i>Xanthium strumarium</i>	<i>Xf</i> subsp. <i>multiplex</i>	A
204	<i>Acer platanoides</i>	<i>Xf</i> subsp. <i>multiplex</i>	C
205	<i>Calicotome</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	C
206	<i>Cistus</i> × <i>incanus</i>	<i>Xf</i> subsp. <i>multiplex</i>	C
207	<i>Liriodendron tulipifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	C
208	<i>Polygala</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	C
209	<i>Polygala</i> × <i>dalmasiana</i>	<i>Xf</i> subsp. <i>multiplex</i>	C
210	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	C
N	Plant species	Pest	Category
1	<i>Acacia saligna</i>	<i>Xf</i> subsp. <i>pauca</i>	A
2	<i>Acacia</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A
3	<i>Amaranthus retroflexus</i>	<i>Xf</i> subsp. <i>pauca</i>	A
4	<i>Asparagus acutifolius</i>	<i>Xf</i> subsp. <i>pauca</i>	A
5	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. <i>pauca</i>	A
6	<i>Chenopodium album</i>	<i>Xf</i> subsp. <i>pauca</i>	A
7	<i>Cistus albidus</i>	<i>Xf</i> subsp. <i>pauca</i>	A
8	<i>Cistus creticus</i>	<i>Xf</i> subsp. <i>pauca</i>	A
9	<i>Citrus sinensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A
10	<i>Citrus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A
11	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>pauca</i>	A
12	<i>Coffea</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A
13	<i>Dimorphotheca fruticosa</i>	<i>Xf</i> subsp. <i>pauca</i>	A
14	<i>Dodonaea viscosa</i>	<i>Xf</i> subsp. <i>pauca</i>	A
15	<i>Eremophila maculata</i>	<i>Xf</i> subsp. <i>pauca</i>	A
16	<i>Erigeron bonariensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A
17	<i>Erigeron</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A
18	<i>Erigeron sumatrensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A
19	<i>Euphorbia chamaesyce</i>	<i>Xf</i> subsp. <i>pauca</i>	A
20	<i>Euphorbia terracina</i>	<i>Xf</i> subsp. <i>pauca</i>	A
21	<i>Grevillea juniperina</i>	<i>Xf</i> subsp. <i>pauca</i>	A
22	<i>Hebe</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A

<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
23	<i>Heliotropium europaeum</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
24	<i>Hibiscus rosa-sinensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
25	<i>Hibiscus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
26	<i>Laurus nobilis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
27	<i>Lavandula angustifolia</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
28	<i>Lavandula dentata</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
29	<i>Lavandula</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
30	<i>Lavandula stoechas</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
31	<i>Myoporum insulare</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
32	<i>Myrtus communis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
33	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
34	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
35	<i>Olea europaea</i> subsp. <i>sylvestris</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
36	<i>Pelargonium fragrans</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
37	<i>Pelargonium</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
38	Periwinkle (common name)	<i>Xf</i> subsp. <i>pauca</i>	A			
39	<i>Phillyrea latifolia</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
40	<i>Pistacia vera</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
41	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
42	<i>Prunus avium</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
43	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
44	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
45	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
46	<i>Rhamnus alaternus</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
47	<i>Salvia rosmarinus</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
48	<i>Salvia</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
49	<i>Spartium junceum</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
50	<i>Ulex parviflorus</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
51	<i>Vinca minor</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
52	<i>Westringia fruticosa</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
53	<i>Westringia glabra</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
54	<i>Polygala</i> sp.	<i>Xf</i> subsp. <i>pauca</i>			C	
55	<i>Prunus persica</i>	<i>Xf</i> subsp. <i>pauca</i>			C	
56	<i>Quercus ilex</i>	<i>Xf</i> subsp. <i>pauca</i>			C	
57	<i>Salvia officinalis</i>	<i>Xf</i> subsp. <i>pauca</i>			C	

<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
1	<i>Morus alba</i>	<i>Xf</i> subsp. <i>morus</i>	A			
2	<i>Morus rubra</i>	<i>Xf</i> subsp. <i>morus</i>	A			
3	<i>Morus</i> sp.	<i>Xf</i> subsp. <i>morus</i>	A			
4	<i>Nandina domestica</i>	<i>Xf</i> subsp. <i>morus</i>	A			

<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
1	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			
2	<i>Coffea</i> sp.	<i>Xf</i> subsp. <i>sandyi</i>	A			
3	<i>Hemerocallis</i> sp.	<i>Xf</i> subsp. <i>sandyi</i>	A			
4	<i>Jacaranda mimosifolia</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			
5	<i>Magnolia grandiflora</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			
6	<i>Nandina domestica</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			

<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
7	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			
8	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>sandyi</i>		C		
<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
1	<i>Chitalpa tashkentensis</i>	<i>Xf</i> subsp. <i>tashke</i>	A			
<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
1	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>fastidiosa/sandyi</i>	A			
2	<i>Coffea canephora</i>	<i>Xf</i> subsp. <i>fastidiosa/sandyi</i>	A			
<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
386	<i>Pyrus pyrifolia</i>	<i>Xylella taiwanensis</i>	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).

N	Plant species	Pest	Category				
1	<i>Acer macrophyllum</i>	<i>Xf</i> subsp. unknown	A				
2	<i>Acer negundo</i>	<i>Xf</i> subsp. unknown	A				
3	<i>Aesculus californica</i>	<i>Xf</i> subsp. unknown	A				
4	<i>Alnus rhombifolia</i>	<i>Xf</i> subsp. unknown	A				
5	<i>Ambrosia artemisiifolia</i>	<i>Xf</i> subsp. unknown	A				
6	<i>Ambrosia</i> sp.	<i>Xf</i> subsp. unknown	A				
7	Periwinkle (common name)	<i>Xf</i> subsp. unknown	A				
8	<i>Arabidopsis thaliana</i>	<i>Xf</i> subsp. unknown	A				
9	<i>Artemisia douglasiana</i>	<i>Xf</i> subsp. unknown	A				
10	<i>Baccharis pilularis</i>	<i>Xf</i> subsp. unknown	A				
11	<i>Baccharis salicifolia</i>	<i>Xf</i> subsp. unknown	A				
12	<i>Brassica nigra</i>	<i>Xf</i> subsp. unknown	A				
13	<i>Carya illinoensis</i>	<i>Xf</i> subsp. unknown	A				
14	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. unknown	A				
15	<i>Citrus aurantiifolia</i>	<i>Xf</i> subsp. unknown	A				
16	<i>Citrus clementina</i>	<i>Xf</i> subsp. unknown	A				
17	<i>Citrus clementina</i> × <i>C. sinensis</i>	<i>Xf</i> subsp. unknown	A				
18	<i>Citrus jambhiri</i>	<i>Xf</i> subsp. unknown	A				
19	<i>Citrus reshni</i>	<i>Xf</i> subsp. unknown	A				
20	<i>Citrus reticulata</i>	<i>Xf</i> subsp. unknown	A				
21	<i>Citrus sinensis</i>	<i>Xf</i> subsp. unknown	A				
22	<i>Citrus</i> sp.	<i>Xf</i> subsp. unknown	A				
23	<i>Citrus sunki</i>	<i>Xf</i> subsp. unknown	A				
24	<i>Citrus unshiu</i>	<i>Xf</i> subsp. unknown	A				
25	<i>Citrus</i> × <i>limonia</i>	<i>Xf</i> subsp. unknown	A				
26	<i>Citrus</i> × <i>nobilis</i>	<i>Xf</i> subsp. unknown	A				
27	<i>Coffea arabica</i>	<i>Xf</i> subsp. unknown	A				
28	<i>Coffea</i> sp.	<i>Xf</i> subsp. unknown	A				

N	Plant species	Pest	Category					
29	<i>Conium maculatum</i>	<i>Xf</i> subsp. unknown	A					
30	<i>Coprosma repens</i>	<i>Xf</i> subsp. unknown	A					
31	<i>Coriandrum sativum</i>	<i>Xf</i> subsp. unknown	A					
32	<i>Cyperus eragrostis</i>	<i>Xf</i> subsp. unknown	A					
33	<i>Echinochloa crus-galli</i>	<i>Xf</i> subsp. unknown	A					
34	<i>Fagopyrum esculentum</i>	<i>Xf</i> subsp. unknown	A					
35	<i>Fraxinus latifolia</i>	<i>Xf</i> subsp. unknown	A					
36	<i>Hakea petiolaris</i>	<i>Xf</i> subsp. unknown	A					
37	<i>Hedera helix</i>	<i>Xf</i> subsp. unknown	A					
38	<i>Lobularia maritima</i>	<i>Xf</i> subsp. unknown	A					
39	<i>Medicago sativa</i>	<i>Xf</i> subsp. unknown	A					
40	<i>Morus alba</i>	<i>Xf</i> subsp. unknown	A					
41	<i>Morus</i> sp.	<i>Xf</i> subsp. unknown	A					
42	<i>Nerium oleander</i>	<i>Xf</i> subsp. unknown	A					
43	<i>Nicotiana benthamiana</i>	<i>Xf</i> subsp. unknown	A					
44	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. unknown	A					
45	<i>Parthenocissus quinquefolia</i>	<i>Xf</i> subsp. unknown	A					
46	<i>Persea americana</i>	<i>Xf</i> subsp. unknown	A					
47	<i>Platanus occidentalis</i>	<i>Xf</i> subsp. unknown	A					
48	<i>Populus fremontii</i>	<i>Xf</i> subsp. unknown	A					
49	<i>Prunus cerasifera</i>	<i>Xf</i> subsp. unknown	A					
50	<i>Prunus dulcis</i>	<i>Xf</i> subsp. unknown	A					
51	<i>Prunus persica</i>	<i>Xf</i> subsp. unknown	A					
52	<i>Prunus salicina</i>	<i>Xf</i> subsp. unknown	A					
53	<i>Prunus</i> sp.	<i>Xf</i> subsp. unknown	A					
54	<i>Pyrus pyrifolia</i>	<i>Xf</i> subsp. unknown	A					
55	<i>Quercus agrifolia</i>	<i>Xf</i> subsp. unknown	A					
56	<i>Quercus lobata</i>	<i>Xf</i> subsp. unknown	A					
57	<i>Quercus rubra</i>	<i>Xf</i> subsp. unknown	A					
58	<i>Rhus diversiloba</i>	<i>Xf</i> subsp. unknown	A					
59	<i>Rosa californica</i>	<i>Xf</i> subsp. unknown	A					
60	<i>Rubus hedycarpus</i> subsp. <i>procerus</i>	<i>Xf</i> subsp. unknown	A					
61	<i>Rubus rigidus</i>	<i>Xf</i> subsp. unknown	A					
62	<i>Rubus ursinus</i>	<i>Xf</i> subsp. unknown	A					
63	<i>Salix laevigata</i>	<i>Xf</i> subsp. unknown	A					
64	<i>Salix lasiolepis</i>	<i>Xf</i> subsp. unknown	A					
65	<i>Salvia apiana</i>	<i>Xf</i> subsp. unknown	A					
66	<i>Salvia mellifera</i>	<i>Xf</i> subsp. unknown	A					
67	<i>Sambucus canadensis</i>	<i>Xf</i> subsp. unknown	A					
68	<i>Sambucus</i> sp.	<i>Xf</i> subsp. unknown	A					
69	<i>Spartium junceum</i>	<i>Xf</i> subsp. unknown	A					
70	<i>Swainsona galegifolia</i>	<i>Xf</i> subsp. unknown	A					
71	<i>Symphoricarpos albus</i>	<i>Xf</i> subsp. unknown	A					
72	<i>Teline monspessulana</i>	<i>Xf</i> subsp. unknown	A					
73	<i>Ulmus americana</i>	<i>Xf</i> subsp. unknown	A					
74	<i>Umbellularia californica</i>	<i>Xf</i> subsp. unknown	A					
75	<i>Urtica dioica</i>	<i>Xf</i> subsp. unknown	A					
76	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. unknown	A					
77	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. unknown	A					
78	<i>Vicia sativa</i>	<i>Xf</i> subsp. unknown	A					



N	Plant species	Pest	Category				
79	<i>Vinca major</i>	<i>Xf</i> subsp. unknown	A				
80	<i>Vinca minor</i>	<i>Xf</i> subsp. unknown	A				
81	<i>Vitis arizonica</i> × <i>V. rupestris</i>	<i>Xf</i> subsp. unknown	A				
82	<i>Vitis arizonica/candicans</i> × <i>V. rupestris</i>	<i>Xf</i> subsp. unknown	A				
83	<i>Vitis californica</i>	<i>Xf</i> subsp. unknown	A				
84	<i>Vitis labrusca</i> × <i>V. vinifera</i>	<i>Xf</i> subsp. unknown	A				
85	<i>Vitis rotundifolia</i>	<i>Xf</i> subsp. unknown	A				
86	<i>Vitis rotundifolia</i> × <i>V. rupestris</i>	<i>Xf</i> subsp. unknown	A				
87	<i>Vitis rupestris</i>	<i>Xf</i> subsp. unknown	A				
88	<i>Vitis</i> sp.	<i>Xf</i> subsp. unknown	A				
89	<i>Vitis vinifera</i>	<i>Xf</i> subsp. unknown	A				
90	<i>Morus rubra</i>	<i>Xf</i> subsp. unknown		B			
91	<i>Prunus domestica</i>	<i>Xf</i> subsp. unknown		B			
92	<i>Vitis aestivalis</i> var. <i>smalliana</i>	<i>Xf</i> subsp. unknown		B			
93	<i>Vitis rufotomentosa</i>	<i>Xf</i> subsp. unknown		B			
94	<i>Ambrosia acanthicarpa</i>	<i>Xf</i> subsp. unknown			C		
95	<i>Ambrosia trifida</i> var. <i>texana</i>	<i>Xf</i> subsp. unknown			C		
96	<i>Amsinckia douglasiana</i>	<i>Xf</i> subsp. unknown			C		
97	<i>Anisantha rigida</i>	<i>Xf</i> subsp. unknown			C		
98	<i>Avena fatua</i>	<i>Xf</i> subsp. unknown			C		
99	<i>Brachiaria plantaginea</i>	<i>Xf</i> subsp. unknown			C		
100	<i>Bromus</i> sp.	<i>Xf</i> subsp. unknown			C		
101	<i>Callistephus chinensis</i>	<i>Xf</i> subsp. unknown			C		
102	<i>Canna</i> sp.	<i>Xf</i> subsp. unknown			C		
103	<i>Ceratochloa cathartica</i>	<i>Xf</i> subsp. unknown			C		
104	<i>Citrus deliciosa</i> × <i>C. sinensis</i>	<i>Xf</i> subsp. unknown			C		
105	<i>Citrus medica</i>	<i>Xf</i> subsp. unknown			C		
106	<i>Citrus tangerina</i>	<i>Xf</i> subsp. unknown			C		
107	<i>Citrus</i> × <i>tangelo</i>	<i>Xf</i> subsp. unknown			C		
108	<i>Clarkia amoena</i> subsp. <i>lindleyi</i>	<i>Xf</i> subsp. unknown			C		
109	<i>Coprosma baueri</i>	<i>Xf</i> subsp. unknown			C		
110	<i>Cotoneaster rotundifolius</i>	<i>Xf</i> subsp. unknown			C		
111	<i>Cynodon dactylon</i>	<i>Xf</i> subsp. unknown			C		
112	<i>Cyperus esculentus</i>	<i>Xf</i> subsp. unknown			C		
113	<i>Cytisus scoparius</i>	<i>Xf</i> subsp. unknown			C		
114	<i>Daucus carota</i> subsp. <i>sativus</i>	<i>Xf</i> subsp. unknown			C		
115	<i>Digitaria sanguinalis</i>	<i>Xf</i> subsp. unknown			C		
116	<i>Dysphania ambrosioides</i>	<i>Xf</i> subsp. unknown			C		
117	<i>Epilobium brachycarpum</i>	<i>Xf</i> subsp. unknown			C		
118	<i>Epilobium ciliatum</i>	<i>Xf</i> subsp. unknown			C		
119	<i>Eragrostis diffusa</i>	<i>Xf</i> subsp. unknown			C		
120	<i>Erodium cicutarium</i>	<i>Xf</i> subsp. unknown			C		
121	<i>Fallopia convolvulus</i>	<i>Xf</i> subsp. unknown			C		
122	<i>Grevillea alpina</i>	<i>Xf</i> subsp. unknown			C		
123	<i>Helianthus annuus</i>	<i>Xf</i> subsp. unknown			C		
124	<i>Hordeum murinum</i>	<i>Xf</i> subsp. unknown			C		
125	<i>Hordeum vulgare</i>	<i>Xf</i> subsp. unknown			C		
126	<i>Iva annua</i>	<i>Xf</i> subsp. unknown			C		
127	<i>Lactuca serriola</i>	<i>Xf</i> subsp. unknown			C		
128	<i>Lathyrus cicera</i>	<i>Xf</i> subsp. unknown			C		

N	Plant species	Pest	Category
129	<i>Lathyrus clymenum</i>	<i>Xf</i> subsp. unknown	C
130	<i>Lathyrus sativus</i>	<i>Xf</i> subsp. unknown	C
131	<i>Leptospermum laevigatum</i>	<i>Xf</i> subsp. unknown	C
132	<i>Lolium multiflorum</i>	<i>Xf</i> subsp. unknown	C
133	<i>Lolium temulentum</i>	<i>Xf</i> subsp. unknown	C
134	<i>Lonicera japonica</i>	<i>Xf</i> subsp. unknown	C
135	<i>Melilotus albus</i>	<i>Xf</i> subsp. unknown	C
136	<i>Melilotus albus</i> var. <i>annuus</i>	<i>Xf</i> subsp. unknown	C
137	<i>Melilotus indicus</i>	<i>Xf</i> subsp. unknown	C
138	<i>Melilotus officinalis</i>	<i>Xf</i> subsp. unknown	C
139	<i>Mentha</i> sp.	<i>Xf</i> subsp. unknown	C
140	<i>Oenanthe sarmentosa</i>	<i>Xf</i> subsp. unknown	C
141	<i>Oenothera elata</i>	<i>Xf</i> subsp. unknown	C
142	<i>Olea europaea</i>	<i>Xf</i> subsp. unknown	C
143	<i>Parthenocissus tricuspidata</i>	<i>Xf</i> subsp. unknown	C
144	<i>Paspalum dilatatum</i>	<i>Xf</i> subsp. unknown	C
145	<i>Pelargonium</i> × <i>hortorum</i>	<i>Xf</i> subsp. unknown	C
146	<i>Pennisetum clandestinum</i>	<i>Xf</i> subsp. unknown	C
147	<i>Pennisetum glaucum</i>	<i>Xf</i> subsp. unknown	C
148	<i>Persicaria maculosa</i>	<i>Xf</i> subsp. unknown	C
149	<i>Phalaris minor</i>	<i>Xf</i> subsp. unknown	C
150	<i>Phalaris paradoxa</i>	<i>Xf</i> subsp. unknown	C
151	<i>Phleum pratense</i>	<i>Xf</i> subsp. unknown	C
152	<i>Photinia arbutifolia</i>	<i>Xf</i> subsp. unknown	C
153	<i>Pittosporum crassifolium</i>	<i>Xf</i> subsp. unknown	C
154	<i>Platanus</i> sp.	<i>Xf</i> subsp. unknown	C
155	<i>Poa annua</i>	<i>Xf</i> subsp. unknown	C
156	<i>Poncirus trifoliata</i>	<i>Xf</i> subsp. unknown	C
157	<i>Reseda odorata</i>	<i>Xf</i> subsp. unknown	C
158	<i>Rheum rhaponticum</i>	<i>Xf</i> subsp. unknown	C
159	<i>Rubus vitifolius</i>	<i>Xf</i> subsp. unknown	C
160	<i>Rumex crispus</i>	<i>Xf</i> subsp. unknown	C
161	<i>Sambucus cerulea</i>	<i>Xf</i> subsp. unknown	C
162	<i>Sonchus asper</i>	<i>Xf</i> subsp. unknown	C
163	<i>Sorghum halepense</i>	<i>Xf</i> subsp. unknown	C
164	<i>Sorghum</i> × <i>drummondii</i>	<i>Xf</i> subsp. unknown	C
165	<i>Syringa vulgaris</i>	<i>Xf</i> subsp. unknown	C
166	<i>Syzygium paniculatum</i>	<i>Xf</i> subsp. unknown	C
167	<i>Trifolium fragiferum</i>	<i>Xf</i> subsp. unknown	C
168	<i>Trifolium hybridum</i>	<i>Xf</i> subsp. unknown	C
169	<i>Trifolium incarnatum</i>	<i>Xf</i> subsp. unknown	C
170	<i>Trifolium pratense</i>	<i>Xf</i> subsp. unknown	C
171	<i>Trifolium repens</i>	<i>Xf</i> subsp. unknown	C
172	<i>Trifolium repens</i> var. <i>latum</i>	<i>Xf</i> subsp. unknown	C
173	<i>Urtica dioica</i> subsp. <i>gracilis</i>	<i>Xf</i> subsp. unknown	C
174	<i>Vicia monantha</i>	<i>Xf</i> subsp. unknown	C
175	<i>Vitis acerifolia</i>	<i>Xf</i> subsp. unknown	C
176	<i>Vitis aestivalis</i>	<i>Xf</i> subsp. unknown	C
177	<i>Vitis arizonica</i>	<i>Xf</i> subsp. unknown	C
178	<i>Vitis arizonica</i> hybrid	<i>Xf</i> subsp. unknown	C

N	Plant species	Pest	Category			
179	<i>Vitis arizonica/candicans</i>	<i>Xf</i> subsp. unknown			C	
180	<i>Vitis arizonica/girdiana</i>	<i>Xf</i> subsp. unknown			C	
181	<i>Vitis arizonica/girdiana</i> × <i>V. rupestris</i>	<i>Xf</i> subsp. unknown			C	
182	<i>Vitis berlandieri</i>	<i>Xf</i> subsp. unknown			C	
183	<i>Vitis candicans</i>	<i>Xf</i> subsp. unknown			C	
184	<i>Vitis cinerea</i>	<i>Xf</i> subsp. unknown			C	
185	<i>Vitis cinerea</i> × <i>V. berlandieri</i>	<i>Xf</i> subsp. unknown			C	
186	<i>Vitis girdiana</i>	<i>Xf</i> subsp. unknown			C	
187	<i>Vitis labrusca</i>	<i>Xf</i> subsp. unknown			C	
188	<i>Vitis lincecumii</i>	<i>Xf</i> subsp. unknown			C	
189	<i>Vitis monticola</i>	<i>Xf</i> subsp. unknown			C	
190	<i>Vitis munsoniana</i>	<i>Xf</i> subsp. unknown			C	
191	<i>Vitis palmata</i>	<i>Xf</i> subsp. unknown			C	
192	<i>Vitis riparia</i>	<i>Xf</i> subsp. unknown			C	
193	<i>Vitis simpsonii</i>	<i>Xf</i> subsp. unknown			C	
194	<i>Vitis tiliaefolia</i>	<i>Xf</i> subsp. unknown			C	
195	<i>Vitis vulpina</i>	<i>Xf</i> subsp. unknown			C	
196	<i>Vitis</i> × <i>champinii</i>	<i>Xf</i> subsp. unknown			C	
197	<i>Vitis aestivalis</i> var. <i>smalliana</i> × <i>V. simpsonii</i>	<i>Xf</i> subsp. unknown			C	
198	<i>Vitis bloodwothiana</i>	<i>Xf</i> subsp. unknown			C	
199	<i>Vitis nesbittiana</i>	<i>Xf</i> subsp. unknown			C	
200	<i>Vitis shuttleworthii</i>	<i>Xf</i> subsp. unknown			C	
201	<i>Vulpia myuros</i>	<i>Xf</i> subsp. unknown			C	
202	<i>Xanthium orientale</i>	<i>Xf</i> subsp. unknown			C	
203	( <i>Prunus salicina</i> × <i>P. angustifolia</i> ) × ( <i>P. salicina</i> × <i>P. munsoniana</i> )	<i>Xf</i> subsp. unknown				D
204	<i>Prunus angustifolia</i>	<i>Xf</i> subsp. unknown				D
205	<i>Prunus avium</i>	<i>Xf</i> subsp. unknown				D
206	<i>Prunus cerasifera</i> × <i>P. salicina</i>	<i>Xf</i> subsp. unknown				D
207	<i>Prunus salicina</i> × ( <i>P. salicina</i> × <i>P. cerasifera</i> )	<i>Xf</i> subsp. unknown				D
208	<i>Vitis arizonica</i> × <i>V. vinifera</i>	<i>Xf</i> subsp. unknown				D
209	<i>Chenopodium quinoa</i>	<i>Xf</i> subsp. unknown				E
210	<i>Citroncirus webberi</i>	<i>Xf</i> subsp. unknown				E
211	<i>Citrus macrophylla</i>	<i>Xf</i> subsp. unknown				E
212	<i>Nicotiana clevelandii</i>	<i>Xf</i> subsp. unknown				E
213	<i>Prunus armeniaca</i>	<i>Xf</i> subsp. unknown				E
214	<i>Prunus hortulana</i>	<i>Xf</i> subsp. unknown				E
215	<i>Prunus mexicana</i>	<i>Xf</i> subsp. unknown				E
216	<i>Prunus mume</i>	<i>Xf</i> subsp. unknown				E
N	Plant species	Pest	Category			
1	<i>Amaranthus blitoides</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
2	<i>Ambrosia acanthicarpa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
3	<i>Ambrosia artemisiifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
4	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
5	<i>Chenopodium quinoa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
6	<i>Conium maculatum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
7	<i>Convolvulus arvensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
8	<i>Cyperus esculentus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
9	<i>Datura wrightii</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
10	<i>Echinochloa crus-galli</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			

N	Plant species	Pest	Category				
11	<i>Erigeron canadensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
12	<i>Eriochloa gracilis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
13	<i>Erodium moschatum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
14	<i>Eucalyptus camaldulensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
15	<i>Eucalyptus globulus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
16	<i>Helianthus annuus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
17	<i>Ipomoea purpurea</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
18	<i>Lactuca serriola</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
19	<i>Malva parviflora</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
20	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
21	<i>Nicotiana glauca</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
22	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
23	<i>Portulaca oleracea</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
24	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
25	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
26	<i>Rubus ursinus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
27	<i>Rumex crispus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
28	<i>Simmondsia chinensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
29	<i>Solanum lycopersicum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
30	<i>Solanum melongena</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
31	<i>Sonchus oleraceus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
32	<i>Sorghum halepense</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
33	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
34	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
35	<i>Vicia faba</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
36	<i>Vicia sativa</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
37	<i>Vitis</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
38	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
39	<i>Vitis vinifera</i> hybrid	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
40	<i>Xanthium strumarium</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A				
41	<i>Arabidopsis thaliana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>		B			
42	<i>Dendranthema</i> × <i>grandiflorum</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
43	<i>Laurus nobilis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
44	<i>Myrtus communis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
45	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
46	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
47	<i>Prunus armeniaca</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
48	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
49	<i>Prunus dulcis</i> × <i>P. webbii</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
50	<i>Prunus persica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
51	<i>Prunus persica</i> × <i>P. webbii</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
52	<i>Prunus webbii</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
53	<i>Pyrus communis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
54	<i>Quercus petraea</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
55	<i>Rubus rigidus</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
56	<i>Salix alba</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
57	<i>Sambucus canadensis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
58	<i>Vinca major</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
59	<i>Vitis acerifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		
60	<i>Vitis aestivalis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C		

N	Plant species	Pest	Category			
61	<i>Vitis arizonica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
62	<i>Vitis arizonica/candicans</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
63	<i>Vitis berlandieri</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
64	<i>Vitis californica</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
65	<i>Vitis candicans</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
66	<i>Vitis champinii</i> × ( <i>V. solonis</i> × <i>V. othello</i> )	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
67	<i>Vitis cinerea</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
68	<i>Vitis girdiana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
69	<i>Vitis labrusca</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
70	<i>Vitis monticola</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
71	<i>Vitis riparia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
72	<i>Vitis rupestris</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
73	<i>Vitis tiliaefolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
74	<i>Vitis treleasei</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
75	<i>Vitis vulpina</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
76	<i>Vitis</i> × <i>doaniana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
77	<i>Vitis nesbittiana</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
78	<i>Vitis shuttleworthii</i>	<i>Xf</i> subsp. <i>fastidiosa</i>			C	
79	<i>Liquidambar styraciflua</i>	<i>Xf</i> subsp. <i>fastidiosa</i>				E
N	Plant species	Pest	Category			
1	<i>Acer rubrum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
2	<i>Ambrosia artemisiifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
3	<i>Carya illinoensis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
4	<i>Liquidambar styraciflua</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
5	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
6	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
7	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
8	<i>Pistacia vera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
9	<i>Platanus occidentalis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
10	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
11	<i>Prunus cerasifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
12	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
13	<i>Prunus persica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
14	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
15	<i>Quercus falcata</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
16	<i>Rubus fruticosus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
17	<i>Rubus ursinus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
18	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
19	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
20	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
21	<i>Malus domestica</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
22	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
23	<i>Prunus armeniaca</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
24	<i>Prunus avium</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
25	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
26	<i>Prunus persica</i> × <i>P. webbii</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
27	<i>Prunus salicina</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
28	<i>Prunus webbii</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	
29	<i>Pyrus communis</i>	<i>Xf</i> subsp. <i>multiplex</i>			C	

N	Plant species	Pest	Category		
30	<i>Quercus petraea</i>	<i>Xf</i> subsp. <i>multiplex</i>		C	
31	<i>Salix alba</i>	<i>Xf</i> subsp. <i>multiplex</i>		C	
32	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>			E
N	Plant species	Pest	Category		
1	<i>Bidens pilosa</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
2	<i>Brachiaria decumbens</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
3	<i>Brachiaria plantaginea</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
4	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
5	<i>Citrus reticulata</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
6	<i>Citrus sinensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
7	<i>Citrus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A		
8	<i>Citrus</i> × <i>nobilis</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
9	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
10	<i>Coffea</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A		
11	<i>Echinochloa crus-galli</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
12	<i>Jasminum azoricum</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
13	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
14	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
15	<i>Nicotiana clevelandii</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
16	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
17	<i>Ocimum basilicum</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
18	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
19	<i>Polygala myrtifolia</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
20	<i>Solanum americanum</i>	<i>Xf</i> subsp. <i>pauca</i>	A		
21	<i>Arabidopsis thaliana</i>	<i>Xf</i> subsp. <i>pauca</i>		B	
22	Periwinkle (common name)	<i>Xf</i> subsp. <i>pauca</i>		C	
23	<i>Chenopodium album</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
24	<i>Digitaria horizontalis</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
25	<i>Malus domestica</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
26	<i>Prunus avium</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
27	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
28	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
29	<i>Pyrus communis</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
30	<i>Quercus petraea</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
31	<i>Salix alba</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
32	<i>Salvia rosmarinus</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
33	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>pauca</i>		C	
N	Plant species	Pest	Category		
1	<i>Morus alba</i>	<i>Xf</i> subsp. <i>morus</i>	A		
2	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>morus</i>	A		
N	Plant species	Pest	Category		
1	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. <i>sandyi</i>	A		
2	<i>Medicago sativa</i>	<i>Xf</i> subsp. <i>sandyi</i>	A		
3	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>sandyi</i>	A		
4	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>sandyi</i>	A		
5	<i>Vinca major</i>	<i>Xf</i> subsp. <i>sandyi</i>	A		
6	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>sandyi</i>		C	
7	<i>Malus domestica</i>	<i>Xf</i> subsp. <i>sandyi</i>		C	
8	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. <i>sandyi</i>		C	



<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
9	<i>Olea europaea</i>	<i>Xf</i> subsp. <i>sandyi</i>			C	
10	<i>Pyrus communis</i>	<i>Xf</i> subsp. <i>sandyi</i>			C	
11	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>sandyi</i>			C	
<b>N</b>	<b>Plant species</b>	<b>Pest</b>	<b>Category</b>			
1	<i>Nicotiana benthamiana</i>	<i>Xf</i> subsp. <i>tashke</i>			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. *multiplex*, 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).

N	Plant species	Pest	Category			
1	<i>Ampelopsis arborea</i>	<i>Xf</i> subsp. unknown	A			
2	<i>Catharanthus roseus</i>	<i>Xf</i> subsp. unknown	A			
3	<i>Catharanthus</i> sp.	<i>Xf</i> subsp. unknown	A			
4	<i>Citrus jambhiri</i>	<i>Xf</i> subsp. unknown	A			
5	<i>Citrus sinensis</i>	<i>Xf</i> subsp. unknown	A			
6	<i>Coffea arabica</i>	<i>Xf</i> subsp. unknown	A			
7	<i>Hibiscus schizopetalus</i>	<i>Xf</i> subsp. unknown	A			
8	<i>Morus nigra</i>	<i>Xf</i> subsp. unknown	A			
9	<i>Nerium oleander</i>	<i>Xf</i> subsp. unknown	A			
10	<i>Prunus persica</i>	<i>Xf</i> subsp. unknown	A			
11	<i>Prunus</i> sp.	<i>Xf</i> subsp. unknown	A			
12	<i>Sambucus canadensis</i>	<i>Xf</i> subsp. unknown	A			
13	<i>Vitis munsoniana</i>	<i>Xf</i> subsp. unknown	A			
14	<i>Vitis rotundifolia</i>	<i>Xf</i> subsp. unknown	A			
15	<i>Vitis</i> sp.	<i>Xf</i> subsp. unknown	A			
16	<i>Vitis vinifera</i>	<i>Xf</i> subsp. unknown	A			
17	<i>Ambrosia</i> sp.	<i>Xf</i> subsp. unknown		B		
18	Periwinkle (common name)	<i>Xf</i> subsp. unknown		B		
19	<i>Acer</i> sp.	<i>Xf</i> subsp. unknown			C	
20	<i>Carya illinoensis</i>	<i>Xf</i> subsp. unknown			C	
21	<i>Citrus</i> sp.	<i>Xf</i> subsp. unknown			C	
22	<i>Prunus dulcis</i>	<i>Xf</i> subsp. unknown			C	
23	<i>Prunus salicina</i>	<i>Xf</i> subsp. unknown			C	
24	<i>Pyrus</i> sp.	<i>Xf</i> subsp. unknown			C	
25	<i>Teline monspessulana</i>	<i>Xf</i> subsp. unknown			C	
26	<i>Vaccinium darrowii</i>	<i>Xf</i> subsp. unknown			C	
27	<i>Vaccinium</i> sp.	<i>Xf</i> subsp. unknown			C	

N	Plant species	Pest	Category			
28	<i>Prunus angustifolia</i>	<i>Xf</i> subsp. unknown				D
29	<i>Vitis labrusca</i>	<i>Xf</i> subsp. unknown				D
30	<i>Morus</i> sp.	<i>Xf</i> subsp. unknown				E
31	<i>Nicotiana tabacum</i>	<i>Xf</i> subsp. unknown				E
N	Plant species	Pest	Category			
1	<i>Ambrosia artemisiifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
2	<i>Lupinus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
3	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
4	<i>Sambucus</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
5	<i>Vitis rotundifolia</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
6	<i>Vitis</i> sp.	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
7	<i>Vitis vinifera</i>	<i>Xf</i> subsp. <i>fastidiosa</i>	A			
N	Plant species	Pest	Category			
1	<i>Ambrosia trifida</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
2	<i>Morus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
3	<i>Platanus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
4	<i>Prunus cerasifera</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
5	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
6	<i>Prunus dulcis</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
7	<i>Prunus salicina</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
8	<i>Quercus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
9	<i>Rubus fruticosus</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
10	<i>Rubus</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
11	<i>Vaccinium corymbosum</i>	<i>Xf</i> subsp. <i>multiplex</i>	A			
12	<i>Vaccinium corymbosum</i> × <i>V. angustifolium</i> hybrid	<i>Xf</i> subsp. <i>multiplex</i>	A			
13	<i>Vinca</i> sp.	<i>Xf</i> subsp. <i>multiplex</i>	A			
14	<i>Liquidambar styraciflua</i>	<i>Xf</i> subsp. <i>multiplex</i>				C
15	<i>Quercus laevis</i>	<i>Xf</i> subsp. <i>multiplex</i>				C
16	<i>Quercus rubra</i>	<i>Xf</i> subsp. <i>multiplex</i>				C
N	Plant species	Pest	Category			
1	<i>Citrus sinensis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
2	<i>Citrus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
3	<i>Coffea</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
4	<i>Hibiscus fragilis</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
5	<i>Hibiscus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
6	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
7	<i>Prunus domestica</i>	<i>Xf</i> subsp. <i>pauca</i>	A			
8	<i>Prunus</i> sp.	<i>Xf</i> subsp. <i>pauca</i>	A			
N	Plant species	Pest	Category			
1	<i>Coffea arabica</i>	<i>Xf</i> subsp. <i>sandyi</i>	A			
2	<i>Nerium oleander</i>	<i>Xf</i> subsp. <i>sandyi</i>				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 (<https://doi.org/10.5281/zenodo.1339343>). Abbreviations: AR (Argentina), BR (Brazil), CR (Costa Rica), EC (Ecuador), FR (France), HN (Honduras), IT (Italy), MX (Mexico), PT (Portugal), ES (Spain), US (United States of America).

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection	Infection not specified	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total	Total	Total	
<b><i>fastidiosa</i></b>			22					19		70	125		236	177	9	422
<b>ST1</b>								18		70	100		188	171	2	361
<i>Acer</i> sp.											1		1			1
<i>Amaranthus blitoides</i>														1		1
<i>Ambrosia acanthicarpa</i>														2		2
<i>Calicotome spinose</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>										3			3			3
<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>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Genista lucida</i>										3			3			3
<i>Helianthus annuus</i>														3		3
<i>Ipomoea purpurea</i>														2		2
<i>Juglans regia</i>										4			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 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>										11	2		13			13
<i>Prunus domestica</i>														1		1
<i>Prunus dulcis</i>										14	22		36	39	1	76
<i>Rhamnus alaternus</i>										4			4			4
<i>Rubus ursinus</i>														2		2
<i>Rumex crispus</i>														1		1
<i>Ruta chalepensis</i>										2			2			2
<i>Sambucus canadensis</i>												2	2			2
<i>Sambucus</i> sp.												1	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			1
<i>Teucrium capitatum</i>										2			2			2

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Vaccinium corymbosum</i>											2		2	2		4
<i>Vaccinium</i> sp.														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</i> sp.											2		31		1	34
<i>Vitis vinifera</i>											16		19	28	54	117
<i>Vitis vinifera</i> hybrid														9		9
<i>Xanthium strumarium</i>														3		3
<b>ST17</b>			<b>1</b>											<b>1</b>		<b>1</b>
<i>Coffea arabica</i>			1											1		1
<b>ST18</b>			<b>1</b>											<b>1</b>		<b>1</b>
<i>Vitis</i> sp.			1											1		1
<b>ST19</b>			<b>1</b>											<b>1</b>		<b>1</b>
<i>Coffea arabica</i>			1											1		1
<b>ST2</b>											<b>19</b>		<b>19</b>	<b>5</b>	<b>7</b>	<b>31</b>
<i>Ambrosia artemisiifolia</i>											1		1		1	2
<i>Coffea</i> sp.											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>Vitis</i> hybrids											2		2			2
<i>Vitis rotundifolia</i>											5		5		1	6
<i>Vitis</i> sp.											5		5			5
<i>Vitis vinifera</i>											5		5	1	5	11
<b>ST20</b>			<b>1</b>										<b>1</b>			<b>1</b>
<i>Coffea arabica</i>			1											1		1
<b>ST21</b>			<b>1</b>										<b>1</b>			<b>1</b>



<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Coffea arabica</i>			1										1			1
<b>ST3</b>											1		1			1
<i>Lupinus aridorum</i>											1		1			1
<b>ST33</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST4</b>											5		5	1		6
<i>Medicago sativa</i>														1		1
<i>Vitis</i> sp.											4		4			4
<i>Vitis vinifera</i>											1		1			1
<b>ST47</b>			2										2			2
<i>Coffea arabica</i>			1										1			1
<i>Vitis</i> sp.			1										1			1
<b>ST52</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST54</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST55</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST56</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST57</b>			1										1			1
<i>Coffea arabica</i>			1										1			1
<b>ST59</b>			1										1			1
<i>Vitis vinifera</i>			1										1			1
<b>ST60</b>			1										1			1
<i>Vitis vinifera</i>			1										1			1
<b>ST61</b>			3										3			3
<i>Citrus sinensis</i>			1										1			1
<i>Coffea arabica</i>			2										2			2
<b>ST72</b>			1										1			1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Coffea arabica</i>			1										1			1
<b>ST75</b>													<b>1</b>			<b>1</b>
<i>Coffea canephora</i>													1			1
<b>ST76</b>																<b>2</b>
<i>Coffea arabica</i>			2													2
<b>ST77</b>																<b>1</b>
<i>Coffea arabica</i>			1													1
<b><u>fastidiosa/sandyi</u></b>																<b>3</b>
<b>ST72</b>																<b>2</b>
<i>Coffea arabica</i>			2													2
<b>ST75</b>													<b>1</b>			<b>1</b>
<i>Coffea canephora</i>													1			1
<b>ST76</b>																<b>1</b>
<i>Coffea arabica</i>			1													1
<b><u>morus</u></b>																<b>24</b>
<b>ST29</b>													<b>9</b>			<b>9</b>
<i>Morus alba</i>													3			3
<i>Morus rubra</i>													4			4
<i>Morus</i> sp.													2			2
<b>ST30</b>													<b>5</b>			<b>5</b>
<i>Morus alba</i>													4			4
<i>Nandina domestica</i>													1			1
<b>ST31</b>													<b>6</b>			<b>6</b>
<i>Morus</i> sp.													6			6
<b>ST62</b>													<b>4</b>			<b>4</b>
<i>Morus alba</i>													4			4
<b><u>multiplex</u></b>																<b>5</b>
<b>ST10</b>													<b>8</b>			<b>8</b>
<i>Polygala myrtifolia</i>																1
<i>Prunus domestica</i>													3			3
																<b>113</b>
																<b>16</b>
																<b>798</b>

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Prunus persica</i>											3		3			3
<i>Prunus</i> sp.											2		2			2
<i>Quercus petraea</i>														1		1
<i>Salix alba</i>														1		1
<b>ST15</b>											3		3			3
<i>Prunus cerasifera</i>											3		3			3
<b>ST22</b>											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
<i>Acer rubrum</i>											1		1			1
<i>Ambrosia trifida</i>											2		2			2
<i>Helianthus</i> sp.											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>		2									12		14	4		18
<i>Alnus rhombifolia</i>											1		1			1
<i>Prunus cerasifera</i>											2		2	1		3
<i>Prunus domestica</i>		2									1		3			3
<i>Prunus dulcis</i>														1		1
<i>Prunus persica</i>														1		1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Prunus</i> sp.											8		8			8
<i>Rubus fruticosus</i>														1		1
<b>ST27</b>											<b>6</b>		<b>6</b>		<b>2</b>	<b>8</b>
<i>Ginkgo biloba</i>											1		1			1
<i>Lagerstroemia</i> sp.											1		1			1
<i>Prunus cerasifera</i>															1	1
<i>Prunus dulcis</i>											2		2		1	3
<i>Prunus</i> sp.											2		2			2
<b>ST28</b>											<b>4</b>		<b>4</b>		<b>1</b>	<b>5</b>
<i>Ambrosia trifida</i>											2		2		1	3
<i>Helianthus</i> sp.											1		1			1
<i>Iva annua</i>											1		1			1
<b>ST32</b>											<b>2</b>		<b>2</b>		<b>1</b>	<b>3</b>
<i>Rubus fruticosus</i>															1	1
<i>Rubus</i> sp.											2		2			2
<b>ST34</b>											<b>1</b>		<b>1</b>			<b>1</b>
<i>Prunus cerasifera</i>											1		1			1
<b>ST35</b>											<b>1</b>		<b>1</b>			<b>1</b>
<i>Xanthium strumarium</i>											1		1			1
<b>ST36</b>											<b>1</b>		<b>1</b>	<b>1</b>		<b>2</b>
<i>Prunus cerasifera</i>														1		1
<i>Prunus</i> sp.											1		1			1
<b>ST37</b>											<b>2</b>		<b>2</b>			<b>2</b>
<i>Lupinus aridorum</i>											1		1			1
<i>Lupinus villosus</i>											1		1			1
<b>ST38</b>											<b>1</b>		<b>1</b>			<b>1</b>
<i>Platanus occidentalis</i>											1		1			1
<b>ST39</b>											<b>6</b>		<b>6</b>			<b>6</b>
<i>Koelreuteria bipinnata</i>											1		1			1
<i>Liquidambar styraciflua</i>											4		4			4

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Prunus</i> sp.											1		1			1
<b>ST40</b>											4		4		1	5
<i>Prunus cerasifera</i>											3		3		1	4
<i>Sambucus</i> sp.											1		1			1
<b>ST41</b>											6		6		2	8
<i>Prunus domestica</i>															1	1
<i>Prunus salicina</i>											1		1		1	2
<i>Prunus</i> sp.											2		2			2
<i>Ulmus americana</i>											2		2			2
<i>Ulmus</i> sp.											1		1			1
<b>ST42</b>											16		16		3	19
<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>											2		2		1	3
<i>Vaccinium corymbosum</i> × <i>V. angustifolium</i> hybrid															1	1
<i>Vaccinium</i> sp.											5		5			5
<b>ST43</b>											5		5		2	7
<i>Vaccinium corymbosum</i>															1	1
<i>Vaccinium corymbosum</i> × <i>V. angustifolium</i> hybrid															1	1
<i>Vaccinium</i> sp.											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

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total			
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total						
<b>ST46</b>														<b>3</b>		<b>3</b>		<b>3</b>	
<i>Celtis occidentalis</i>														1		1		1	
<i>Chionanthus</i> sp.														1		1		1	
<i>Prunus armeniaca</i>														1		1		1	
<b>ST48</b>														<b>1</b>		<b>1</b>		<b>1</b>	
<i>Sapindus saponaria</i>														1		1		1	
<b>ST49</b>														<b>1</b>		<b>1</b>		<b>1</b>	
<i>Prunus</i> sp.														1		1		1	
<b>ST50</b>														<b>2</b>		<b>2</b>		<b>2</b>	
<i>Fraxinus americana</i>														1		1		1	
<i>Fraxinus</i> sp.														1		1		1	
<b>ST51</b>														<b>3</b>		<b>3</b>	<b>1</b>	<b>4</b>	
Periwinkle (common name)														1		1		1	
<i>Vinca</i> sp.														2		2		3	
<b>ST58</b>														<b>1</b>		<b>1</b>	<b>1</b>	<b>2</b>	
<i>Ambrosia trifida</i>														1		1		2	
<b>ST6</b>					<b>11</b>						<b>96</b>	<b>12</b>				<b>119</b>	<b>53</b>	<b>1</b>	<b>173</b>
<i>Acacia saligna</i>														3		3		3	
<i>Asparagus acutifolius</i>														1		1		1	
<i>Calicotome spinose</i>														4		4		4	
<i>Catharanthus roseus</i>																	1	1	
<i>Cistus albidus</i>														3		3		3	
<i>Cistus monspeliensis</i>														1		1		1	
<i>Cistus salviifolius</i>														1		1		1	
<i>Genista scorpius</i>														1		1		1	
<i>Helichrysum italicum</i>														9		9		9	
<i>Helichrysum stoechas</i>														3		3		3	
<i>Laurus nobilis</i>														2		2		2	
<i>Lavandula angustifolia</i>														2		2		2	
<i>Lavandula dentate</i>														3		3		3	



<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Lavandula latifolia</i>										1			1			1
<i>Medicago sativa</i>														4		4
<i>Nicotiana tabacum</i>														1		1
<i>Olea europaea</i>										2			2	31		33
<i>Phagnalon saxatile</i>										4			4			4
<i>Polygala myrtifolia</i>					2					5			7	1		8
<i>Prunus armeniaca</i>										5			5			5
<i>Prunus cerasifera</i>														1		1
<i>Prunus domestica</i>										5			5			5
<i>Prunus dulcis</i>										29	12		41	9	1	51
<i>Quercus petraea</i>														1		1
<i>Rhamnus alaternus</i>										6			6			6
<i>Rubus ursinus</i>														1		1
<i>Salix alba</i>														1		1
<i>Salvia rosmarinus</i>										5			5			5
<i>Spartium junceum</i>					9								9			9
<i>Ulex parviflorus</i>										1			1			1
<i>Vitis vinifera</i>														2		2
<b>ST6 and ST7</b>					<b>1</b>								<b>1</b>			<b>1</b>
<i>Cistus monspeliensis</i>					1								1			1
<b>ST6 and/or ST7</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 hermanniae</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>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Cistus salviifolius</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
<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</i> × <i>spachiana</i>					2								2			2
<i>Hebe</i> sp.					2								2			2
<i>Helichrysum italicum</i>					3								3			3
<i>Lavandula angustifolia</i>					2								2			2
<i>Lavandula dentate</i>					2								2			2
<i>Lavandula</i> sp.					3								3			3
<i>Lavandula stoechas</i>					2								2			2
<i>Lavandula</i> × <i>heterophylla</i>					2								2			2
<i>Lavandula</i> × <i>intermedia</i>					3								3			3
<i>Medicago sativa</i>					1								1			1
<i>Metrosideros excels</i>					2								2			2
<i>Myrtus communis</i>					2								2			2
<i>Pelargonium graveolens</i>					2								2			2
<i>Pelargonium</i> sp.					2								2			2
<i>Phagnalon saxatile</i>					1								1			1
<i>Polygala myrtifolia</i>					7								7			7
<i>Polygala</i> sp.					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>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Spartium junceum</i>					3								3			3
<i>Westringia fruticosa</i>					1								1			1
<b>ST63</b>		<b>1</b>											<b>1</b>			<b>1</b>
<i>Prunus domestica</i>		1											1			1
<b>ST67</b>		<b>2</b>											<b>2</b>	<b>4</b>		<b>6</b>
<i>Prunus domestica</i>		2											2			2
<i>Prunus salicina</i>														4		4
<b>ST7</b>					<b>7</b>				<b>93</b>	<b>8</b>	<b>24</b>		<b>132</b>	<b>23</b>		<b>155</b>
<i>Acacia longifolia</i>									2				2			2
<i>Acacia melanoxylon</i>									1				1			1
<i>Adenocarpus lainzii</i>									2				2			2
<i>Artemisia arborescens</i>									2				2			2
<i>Artemisia</i> sp.									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>Calluna vulgaris</i>									1				1			1
<i>Catharanthus roseus</i>														1		1
<i>Cistus inflatus</i>									1				1			1
<i>Cistus salviifolius</i>									1				1			1
<i>Coprosma repens</i>									3				3			3
<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</i> × <i>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			1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Frangula alnus</i>									1				1			1
<i>Gazania rigens</i>									1				1			1
<i>Genista corsica</i>					1								1			1
<i>Genista tridentata</i>									1				1			1
<i>Hebe</i> sp.									2				2			2
<i>Hibiscus syriacus</i>									1				1			1
<i>Hypericum perforatum</i>									1				1			1
<i>Ilex aquifolium</i>									2				2			2
<i>Laurus nobilis</i>									1				1			1
<i>Lavandula angustifolia</i>									2				2			2
<i>Lavandula dentate</i>									4				4			4
<i>Lavandula</i> sp.									1				1			1
<i>Lavandula stoechas</i>									1				1			1
<i>Lavatera cretica</i>									1				1			1
<i>Magnolia grandiflora</i>									3				3			3
<i>Magnolia</i> × <i>soulangeana</i>									1				1			1
<i>Medicago sativa</i>									2				2	2		4
<i>Metrosideros excels</i>									2				2			2
<i>Metrosideros</i> sp.									1				1			1
<i>Myrtus communis</i>									2				2			2
<i>Nerium oleander</i>									1		1		2	1		3
<i>Nicotiana tabacum</i>														1		1
<i>Olea europaea</i>									1		7		8	4		12
<i>Olea</i> sp.											1		1			1
<i>Pelargonium graveolens</i>									1				1			1
<i>Plantago lanceolata</i>									1				1			1
<i>Polygala myrtifolia</i>					5						3		8	2		10
<i>Prunus avium</i>														1		1
<i>Prunus cerasifera</i>														1		1
<i>Prunus domestica</i>														2		2

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Prunus dulcis</i>										5	9		14	4		18
<i>Prunus laurocerasus</i>									1				1			1
<i>Prunus persica</i>									1				1			1
<i>Prunus</i> sp.											1		1			1
<i>Pteridium aquilinum</i>									1				1			1
<i>Quercus petraea</i>														1		1
<i>Quercus robur</i>									2				2			2
<i>Quercus rubra</i>									1		2		3			3
<i>Quercus suber</i>									3				3			3
<i>Rosa</i> sp.									1				1			1
<i>Rubus fruticosus</i>														1		1
<i>Rubus ulmifolius</i>										2			2			2
<i>Salix alba</i>														1		1
<i>Salvia mellifera</i>											3		3			3
<i>Salvia officinalis</i>									1				1			1
<i>Salvia rosmarinus</i>									2				2			2
<i>Sambucus nigra</i>									1				1			1
<i>Santolina chamaecyparissus</i>									3				3			3
<i>Spartium junceum</i>					1								1			1
<i>Strelitzia reginae</i>										1			1			1
<i>Ulex europaeus</i>									2				2			2
<i>Ulex minor</i>									2				2			2
<i>Ulex</i> sp.									2				2			2
<i>Vinca major</i>									2				2			2
<i>Vinca</i> sp.									1				1			1
<i>Vitis vinifera</i>														1		1
<b>ST79</b>					<b>1</b>								<b>1</b>			<b>1</b>
<i>Polygala myrtifolia</i>					1								1			1
<b>ST8</b>											<b>13</b>		<b>13</b>			<b>13</b>
<i>Alnus rhombifolia</i>											1		1			1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Carya illinoensis</i>											2		2			2
<i>Platanus occidentalis</i>											7		7			7
<i>Platanus</i> sp.											1		1			1
<i>Quercus palustris</i>											1		1			1
<i>Ulmus americana</i>											1		1			1
<b>ST81</b>										<b>76</b>	<b>1</b>		<b>77</b>	<b>16</b>		<b>93</b>
<i>Acacia saligna</i>										1			1			1
<i>Acacia</i> sp.										2			2			2
<i>Cistus albidus</i>										2			2			2
<i>Clematis cirrhosa</i>										2			2			2
<i>Ficus carica</i>										7			7			7
<i>Fraxinus angustifolia</i>										3			3			3
<i>Genista valdes-bermejoi</i>										1			1			1
<i>Helichrysum stoechas</i>										1			1			1
<i>Lavandula angustifolia</i>										3			3			3
<i>Lavandula dentate</i>										3			3			3
<i>Nerium oleander</i>										1			1			1
<i>Olea europaea</i>										8	1		9	15		24
<i>Olea europaea</i> subsp. <i>sylvestris</i>										5			5			5
<i>Phillyrea angustifolia</i>										2			2			2
<i>Polygala myrtifolia</i>										5			5			5
<i>Prunus domestica</i>										4			4			4
<i>Prunus dulcis</i>										13			13	1		14
<i>Rhamnus alaternus</i>										4			4			4
<i>Salvia officinalis</i>										2			2			2
<i>Salvia rosmarinus</i>										4			4			4
<i>Santolina chamaecyparissus</i>										1			1			1
<i>Santolina magonica</i>										1			1			1
<i>Spartium junceum</i>										1			1			1
<b>ST82</b>											<b>2</b>		<b>2</b>			<b>2</b>



<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Vaccinium ashei</i>											2		2			2
<b>ST83</b>											<b>2</b>		<b>2</b>			<b>2</b>
<i>Vaccinium ashei</i>											2		2			2
<b>ST87</b>							<b>92</b>						<b>92</b>	<b>1</b>		<b>93</b>
<i>Acacia dealbata</i>							2						2			2
<i>Asparagus acutifolius</i>							2						2			2
<i>Calicotome spinose</i>							3						3			3
<i>Calicotome villosa</i>							2						2			2
<i>Cercis siliquastrum</i>							3						3			3
<i>Cistus monspeliensis</i>							3						3			3
<i>Cistus salviifolius</i>							3						3			3
<i>Cistus</i> sp.							5						5			5
<i>Clematis vitalba</i>							1						1			1
<i>Cytisus scoparius</i>							3						3			3
<i>Elaeagnus angustifolia</i>							3						3			3
<i>Ficus carica</i>							3						3			3
<i>Helichrysum italicum</i>							2						2			2
<i>Helichrysum</i> sp.							3						3			3
<i>Laurus nobilis</i>							2						2			2
<i>Lavandula angustifolia</i>							3						3			3
<i>Lavandula dentate</i>							2						2			2
<i>Lavandula</i> sp.							2						2			2
<i>Lonicera implexa</i>							2						2			2
<i>Myrtus communis</i>							2						2			2
<i>Nerium oleander</i>							1						1			1
<i>Olea europaea</i>														1		1
<i>Phagnalon saxatile</i>							2						2			2
<i>Phillyrea latifolia</i>							2						2			2
<i>Polygala myrtifolia</i>							8						8			8
<i>Prunus dulcis</i>							8						8			8

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Rhamnus alaternus</i>							5						5			5
<i>Rosa</i> sp.							1						1			1
<i>Salvia rosmarinus</i>							5						5			5
<i>Scabiosa</i> sp.							1						1			1
<i>Spartium junceum</i>							8						8			8
<b>ST9</b>											28		28	4		32
<i>Polygala myrtifolia</i>														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><i>pauca</i></b>	<b>6</b>	<b>127</b>	<b>8</b>	<b>4</b>	<b>4</b>		<b>443</b>				<b>29</b>		<b>624</b>	<b>246</b>	<b>23</b>	<b>893</b>
<b>ST11</b>		<b>52</b>											<b>52</b>	<b>14</b>	<b>3</b>	<b>69</b>
<i>Catharanthus roseus</i>														2		2
<i>Citrus sinensis</i>		22											22	4	3	29
<i>Citrus</i> sp.		29											29			29
<i>Coffea arabica</i>														4		4
<i>Coffea</i> sp.		1											1			1
<i>Nicotiana tabacum</i>														4		4
<b>ST12</b>		<b>3</b>											<b>3</b>		<b>3</b>	<b>6</b>
<i>Citrus sinensis</i>		2											2		2	4
<i>Citrus</i> sp.		1											1		1	2

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total	
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total				
<b>ST13</b>		<b>12</b>											<b>12</b>	<b>88</b>	<b>3</b>	<b>103</b>	
<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	22	3	31	
<i>Citrus</i> sp.		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>		<b>8</b>											<b>8</b>		<b>4</b>	<b>12</b>	
<i>Coffea arabica</i>		1												1		1	
<i>Coffea</i> sp.		6												6	2	8	
<i>Prunus domestica</i>															1	1	
<i>Prunus</i> sp.		1												1	1	2	
<b>ST16</b>		<b>40</b>											<b>40</b>	<b>15</b>	<b>1</b>	<b>56</b>	
<i>Citrus sinensis</i>														1		1	
<i>Coffea arabica</i>		2												7		9	
<i>Coffea</i> sp.		17												17	1	18	
<i>Nicotiana tabacum</i>														6		6	
<i>Olea europaea</i>		21												1		22	
<b>ST53</b>			<b>7</b>		<b>4</b>		<b>443</b>						<b>2</b>	<b>456</b>	<b>106</b>	<b>6</b>	<b>568</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	9	11	
<i>Chenopodium album</i>							5							5	1	6	

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total	
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total				
<i>Cistus creticus</i>							1						1				1
<i>Coffea arabica</i>			2										1	3	1		4
<i>Coffea</i> sp.													1	1	1	2	4
<i>Dimorphantheca 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</i> sp.							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</i> sp.							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</i> sp.							1						1				1
<i>Lavandula stoechas</i>							2						2				2
<i>Medicago sativa</i>														1			1
<i>Myoporum insulare</i>							1						1				1
<i>Myrtus communis</i>							1						1				1
<i>Nerium oleander</i>			5				18						23	8	4		35
<i>Nicotiana tabacum</i>														5			5
<i>Olea europaea</i>					1		316						317	52			369
<i>Pelargonium fragrans</i>							1						1				1
<i>Pelargonium</i> sp.							1						1				1
Periwinkle (common name)							1						1				1
<i>Phillyrea latifolia</i>							2						2				2
<i>Pistacia vera</i>							1						1				1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total			
<i>Polygala myrtifolia</i>					1		21						22	9		31
<i>Prunus avium</i>							9						9	4		13
<i>Prunus domestica</i>														2		2
<i>Prunus dulcis</i>							9						9	4		13
<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>							3						3			3
<i>Salvia</i> sp.							1						1			1
<i>Spartium junceum</i>							1						1			1
<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>		<b>1</b>											<b>1</b>			<b>1</b>
<i>Citrus sinensis</i>		1											1			1
<b>ST65</b>		<b>1</b>											<b>1</b>	<b>2</b>		<b>3</b>
<i>Catharanthus roseus</i>														2		2
<i>Citrus sinensis</i>		1											1			1
<b>ST66</b>		<b>1</b>											<b>1</b>			<b>1</b>
<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>5</b>												<b>5</b>		<b>1</b>	<b>6</b>
<i>Citrus sinensis</i>	4												4		1	5
<i>Olea europaea</i>	1												1			1
<b>ST70</b>		<b>2</b>											<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>
<i>Catharanthus roseus</i>														2		2

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total		
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total					
<i>Hibiscus fragilis</i>																	1	1
<i>Hibiscus rosa-sinensis</i>		1												1				1
<i>Hibiscus</i> sp.		1												1			1	2
<b>ST71</b>		<b>1</b>												<b>1</b>				<b>1</b>
<i>Prunus domestica</i>		1												1				1
<b>ST73</b>														<b>1</b>	<b>1</b>	<b>4</b>		<b>5</b>
<i>Catharanthus roseus</i>																1		1
<i>Coffea arabica</i>														1	1			1
<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>
<i>Coffea arabica</i>			1															1
<b>ST74</b>				<b>4</b>														<b>4</b>
<i>Coffea arabica</i>				4														4
<b>ST78</b>	<b>1</b>																	<b>1</b>
<i>Prunus dulcis</i>	1																	1
<b>ST80</b>														<b>29</b>				<b>44</b>
<i>Acacia saligna</i>														1				1
<i>Acacia</i> sp.														2				2
<i>Cistus albidus</i>														3				3
<i>Lavandula angustifolia</i>														1				1
<i>Lavandula dentate</i>														3				3
<i>Olea europaea</i>														4		15		19
<i>Olea europaea</i> subsp. <i>sylvestris</i>														3				3
<i>Polygala myrtifolia</i>														3				3
<i>Prunus dulcis</i>														4				4
<i>Salvia officinalis</i>														1				1
<i>Salvia rosmarinus</i>														3				3
<i>Ulex parviflorus</i>														1				1

<i>X. fastidiosa</i> subspecies/ sequence type	Natural													Artificial infection Total	Infection not specified Total	Grand total	
	AR	BR	CR	EC	FR	HN	IT	MX	PT	ES	US	Unknown	Total				
<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><u>sandyi</u></b>			<b>1</b>		<b>1</b>	<b>1</b>						<b>24</b>	<b>1</b>	<b>28</b>	<b>9</b>	<b>1</b>	<b>38</b>
<b>ST5</b>												<b>24</b>		<b>24</b>	<b>4</b>		<b>28</b>
<i>Hemerocallis</i> sp.												1		1			1
<i>Jacaranda mimosifolia</i>												1		1			1
<i>Magnolia grandiflora</i>												1		1			1
<i>Nerium oleander</i>												21		21	1		22
<i>Prunus dulcis</i>															1		1
<i>Vinca major</i>															2		2
<b>ST72</b>						<b>1</b>							<b>1</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>8</b>
<i>Coffea arabica</i>													1	1	1	1	3
<i>Coffea</i> sp.						1								1			1
<i>Nerium oleander</i>															1		1
<i>Olea europaea</i>															3		3
<b>ST76</b>			<b>1</b>		<b>1</b>									<b>2</b>			<b>2</b>
<i>Coffea</i> sp.			1											1			1
<i>Polygala myrtifolia</i>					1									1			1
<b>Grand Total</b>	<b>6</b>	<b>132</b>	<b>34</b>	<b>4</b>	<b>101</b>	<b>1</b>	<b>535</b>	<b>20</b>	<b>93</b>	<b>279</b>	<b>376</b>	<b>4</b>	<b>1585</b>	<b>545</b>	<b>49</b>	<b>2179</b>	

## Appendix E – References included in this update

List of the 29 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.

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- 29) Europhyt notification n. 124 (Update 30).

## 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 6** (<https://doi.org/10.5281/zenodo.1339343>).