Update of the *Xylella* spp. host plant database – systematic literature search up to 31 December 2020

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**Abstract**

Following a request from the European Commission, EFSA was asked to create and regularly update a database of host plant species of *Xylella* spp. Complying with an extension of the previous mandate, which now covers the period 2021–2026, the current version of *Xylella* spp. host plant database updates the previous release dated April 2020. Informative data have been extracted from 86 recent publications retrieved through an extensive literature search. This report is related to the fourth version of the database published in Zenodo in the EFSA Knowledge Junction community, covering articles selected from: a systematic literature review conducted up to 31 December 2020, Europhyt outbreak notifications up to 18 March 2021 and communications from research groups and national authorities. Forty-three new host plant species of *X. fastidiosa*, identified through the data extracted from the selected publications, have been added to the database. Those plant species were reported as naturally or artificially infected by subsp. *fastidiosa, multiplex, pauc* or unknown (i.e. not reported in the publication) subspecies of *X. fastidiosa*. New information on the tolerant/resistant response of plant species or varieties to *X. fastidiosa* infection is also reported. No additional data were retrieved for *X. taiwanensis*. This new version of the database includes no update on the number of Sequence Types (STs) identified so far, which remains unchanged. 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 385 plant species, 179 genera and 67 families. Such numbers rise to 638 plant species, 289 genera and 87 families if considered regardless of the detection method applied. The database will be issued twice per year, with the aim to provide information and scientific support to risk assessors, risk managers and researchers dealing with *Xylella* spp.

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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, 2018) 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 further updated in April 2020 (EFSA, 2020). Raw data and interactive reports were published in Zenodo1 in the EFSA Knowledge Junction community and in Microstrategy2 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 2020 (EFSA, 2020). 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.

1 https://doi.org/10.5281/zenodo.1339343
2 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®                          |                 |
| Chinese Science Citation DatabaseSM           |                 |
| Current Contents Connect                      |                 |
| Data Citation Index                           |                 |
| FSTA® - the food science resource             |                 |
| KCI-Korean Journal Database                   |                 |
| MEDLINE®                                      |                 |
| Russian Science Citation Index                |                 |
| SciELO Citation Index                         |                 |
| Web of Science Core Collection                |                 |
| • Science Citation Index Expanded             |                 |
| • Social Sciences Citation Index              |                 |
| • Arts & Humanities Citation Index            |                 |
| • Conference Proceedings Citation Index-Science |               |
| • Conference Proceedings Citation Index- Social Science & Humanities | |
| • Book Citation Index – Science               |                 |
| • Book Citation Index – Social Sciences & Humanities |   |
| • Emerging Sources Citation Index             |                 |
| • Current Chemical Reactions                  |                 |
| • Index Chemicus                              |                 |
| Zoological Record                             |                 |

### 2.1.2. Search terms

The syntax of the search string, developed for the *Xylella* spp. host plants database published in 2018 (EFSA, 2018), was adapted and run into each platform databases listed in Table 1 on 20 January 2021. As the scope of the search was to retrieve references published after June 2019, the selected time span was from 1 July 2019 up to 31 December 2020. 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 xylela 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 crespera 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 bacteria" OR fxjb OR fxib OR "rickettsialike bacteri*" OR "rickettsia like bacteri*") AND (ORIG-LOAD-DATE > 20190701 AND ORIG-LOAD-DATE < 20201231)) | 174     |
The collected records were downloaded and imported into an EndNote X9 library (Clarivate Analytics). Duplicates, references already included in the update published in 2020 (EFSA, 2020) and data set links were removed using EndNote X9 and the remaining references were uploaded on DistillerSR online together with the full texts in portable document format (pdf).

Thirteen additional documents containing relevant information were obtained from research groups, communications of national authorities and Europhyt outbreak notifications (accessed on 18 March 2021).

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 Xylella/a Xylella associated disease/a Xylella synonym the topic of the study? | Only one of the possible alternative answers can be selected | Yes | Included |
| Is it a primary research study? | Only one of the possible alternative answers can be selected | Yes | Included |

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.

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3 https://www.evidencepartners.com/
4 https://ec.europa.eu/food/plant/plant_health_biosecurity/harmful_organism_outbreaks_en
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.

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            |
| 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 Xylella host plant the main scope of the study? | Only one of the possible alternative answers can be selected                  | Yes                              | Neutral            |
|                                                    |                                                                                  | No                               | Neutral            |
| Is Xylella/a Xylella-associated disease/a Xylella synonym studied in association to a host plant? | Only one of the possible alternative answers can be selected                  | Yes                              | Included           |
|                                                    |                                                                                  | No                               | Excluded           |

Table 5: Data extraction structure

| Extracted data     | Description                                                                                                                                                                                                 |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General information| In this section the general information about the study is reported                                                                                                                                       |
| 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                                                                                                                                                   |
| Botanical identification | The botanical identification of the plant, both as reported in the publication and according to the updated taxonomy of the EPPO Global Database, is reported in this section |
| 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                                                                                                                                                                |
| Plant genus        | Plant genus, from the EPPO global database                                                                                                                                                                |
| Plant species      | Plant species, from the EPPO global database                                                                                                                                                              |
| 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                                                                                                                                            |
| Infection information | Detailed information about the infection and location of the plant is reported in this section                                               |
| Infection method (Level 1) | The infection of the plant can be natural, artificial or not specified                                                              |

5 [https://gd.eppo.int/](https://gd.eppo.int/)
### 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

### Geographic information
- 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

| Description |
|-------------|
| **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 |

### Pest description
- Information about the pest is reported in this section, together with genetic data

| Description |
|-------------|
| **Pest EPPO code** |
| EPPO code of the pest, from the EPPO global database⁵ |
| **Pest species** |
| Name of *Xylella* spp., from the EPPO global database⁵ |
| **Pest subspecies** |
| *Xylella fastidiosa* subspecies, from the EPPO global database⁵. If the subspecies is inferred from another publication, a note is added to the genotyping comment |
| **Reported pest** |
| Name of *Xylella* spp. as reported in the publication. Names used before the genus *Xylella* was established (up to 1987): Alfalfa dwarf virus, Morus suffodiens virus, Phony peach bacterium, Pierce's disease bacterium, Pierce's disease virus, Rickettsia-like bacteria, Rod-shaped bacteria, Xylem-inhabiting bacteria. Names used from 1987 (when the genus *Xylella* was established): *Xylella fastidiosa*, *Xylella taiwanensis* |
| **Disease** |
| Name of the disease caused by *Xylella* 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 *Xylella* spp., as reported in the publication |
| **MLST (Multilocus Sequence Type)** |
| Sequence Type (ST) of *Xylella fastidiosa*, as reported in the publication. If the ST is inferred from another publication, a note is added in the genotyping comment |

### Methods of identification
- In this section the identification methods applied to detect *Xylella* spp. infection are listed. Eight detection methods were considered and for each of them the outcome of the analysis (positive or negative), together with the number of infected plants and the total number of analysed plants, were reported. Moreover, additional information could be added in the comment column beside each detection method

| Description |
|-------------|
| **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 |
2.4. Data warehouse

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

2.4.1. Data management

The collected data have been submitted to the EFSA Data Collection Framework (DCF). DCF is the upfront system in the EFSA pipeline of data collection tools and allows a first step of harmonisation against the EFSA controlled reference terminology (aka EFSA catalogues). Data have been then included in the S-DWH by means of a standardised 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 4 (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).

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| Extracted data       | Description                                                                 |
|----------------------|-----------------------------------------------------------------------------|
| Culture              | Pure culture isolation (i.e. isolation of cultivable bacteria from tissue samples on solid culture media) |
| Microscopy           | Observation of Xylella 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                                                           |

| Host status          | Information about the tolerance and resistance response of the plant        |
|----------------------|----------------------------------------------------------------------------|
| Tolerance/Resistant  | Tolerant/resistant status of the plant, as reported in the publication       |
| reported             |                                                                             |
| Tolerance/Resistant  | 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, lower bacterial population, lower bacterial population – lower disease incidence, lower disease incidence, infection not persistent, reported as tolerant/resistant (no details) |
| category             |                                                                             |
| Tolerance/Resistant  | Comment on the tolerant/resistant response of the plant, as reported in the publication |
| comment              |                                                                             |

| Additional information |                                                                              |
| 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 |
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 20 January 2021 on Web of Science and Scopus platforms and 873 references were collected. Duplicates were removed and 281 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, 162 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 119 references were subjected to the second step of the screening process, i.e. the full text screening. Seventy-three references, in which Xylella spp. is studied in association to a host plant (i.e. in vivo), were selected. Data extraction of two selected references was postponed to the next update of the database foreseen in November 2021. Thirteen additional references retrieved from research groups, communications of national authorities and Europhyt outbreak notifications4 and containing informative data were included in the data extraction. Totally, 86 references (listed in Appendix E) were included in this fourth update of the database and from which informative data listed in Table 5 were extracted.
3.2. Update of records already included in the database

Two records already included in the previous versions of the database have been updated following expert personal communication to EFSA. The sample of Rosa sp. (RecordID 8094) reported in the reference RefID3207 was finally identified as Rosa × floribunda and the results of the analysis were unconfirmed/dubious. Unconfirmed records are included in the data extraction but excluded from the data analysis. In the same reference, the sample identified as Cistus sp. (RecordID8020) was further identified as Cistus monspeliensis. Both records were updated accordingly, and an explanatory comment was added to the database.

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 385 (179 genera and 67 families) 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 638
plant species (289 genera and 87 families) of category E (i.e. all positives plant species reported, regardless of the detection methods).

Compared to the previous version of the database published in 2020 (EFSA, 2020), 43 plant species (14 genera and 2 families) were identified as new hosts of *X. fastidiosa*. Those plant species, genera and families were not previously reported in the database. Details of those new hosts of *X. fastidiosa* are highlighted in Table 7.

Thirty-nine new host plant species were naturally infected and identified both in the EU (France, Italy, Portugal, Spain) and outside the EU (Costa Rica and United States). Only four new host plants were identified through artificial infections. The *X. fastidiosa* subspecies *multiplex* was identified in 24 new host plant species naturally infected in the EU. Six new host plants were infected by *X. fastidiosa* subsp. *fastidiosa*: three in artificial infections and three naturally infected (in Costa Rica, Spain and the United States). The *X. fastidiosa* subsp. *pauca* was identified in two new host plant species (one natural infected in Spain and one artificially infected), while in 12 new host plants, the *X. fastidiosa* subspecies was not reported (i.e. unknown).

Apart from one new host genus naturally infected in Costa Rica, and one artificially infected, the remaining 12 new host genera were all identified as naturally infected in the EU (France, Portugal and Spain). The two new host families were reported in Portugal.

**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     |
|----------------|-------|-------|-------|-------|-------|
| Number of host plant species | 385   | 390   | 622   | 631   | 638   |
| Number of host plant genera   | 179   | 180   | 288   | 288   | 289   |
| Number of host plant families  | 67    | 67    | 87    | 87    | 87    |
Table 7: New host plants of *X. fastidiosa*. For each host plant, the infection method (natural or artificial), the country (only for natural infections), the *X. fastidiosa* subspecies (*fastidiosa*, *pauca*, *multiplex* or unknown (i.e. not reported in the publication)) and the category (A or C – 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 | X. fastidiosa subspecies | Country   | Category |
|--------------|-------------|---------------|------------------|--------------------------|-----------|----------|
| Fabaceae     | Acacia      | *Acacia melanoxylon* | Natural | *multiplex* | Portugal | A        |
| Fabaceae     | Adenocarpus | *Adenocarpus lainzii* | Natural | *multiplex* | Portugal | A        |
| Asteraceae   | Artemisia   | *Artemisia absinthium* | Natural | *multiplex* | France  | A        |
| Woodsiaceae  | Athyrium    | *Athyrium flix-femina* | Natural | *multiplex* | Portugal | A        |
| Myrtaceae    | Callistemon | *Callistemon citrinus* | Natural | *multiplex* | France  | A        |
| Ericaceae    | Calluna     | *Calluna vulgaris* | Natural | *multiplex* | Portugal | A        |
| Juglandaceae | Carya       | *Carya aquatica* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya cathayensis* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya cordiformis* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya floridana* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya glabra* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya laciniosa* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya pallida* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya palmeri* | Natural | unknown | United States | A |
| Juglandaceae | Carya       | *Carya tomentosa* | Natural | unknown | United States | A |
| Cistaceae    | Cistus      | *Cistus inflatus* | Natural | *multiplex* | Portugal | A        |
| Ranunculaceae| Clematis    | *Clematis cinerosa* | Natural | *multiplex* | Spain    | A        |
| Fabaceae     | Coronilla   | *Coronilla sp.* | Natural | *multiplex* | France  | A        |
| Boraginaceae | Echium      | *Echium plantagineum* | Natural | *multiplex* | Portugal | A        |
| Rhamnaceae   | Frangula    | *Frangula alnus* | Natural | *multiplex* | Portugal | A        |
| Fabaceae     | Pterospartum| *Genista tridentata* | Natural | *multiplex* | Portugal | A        |
| Fabaceae     | Gleditsia   | *Gleditsia triacanthos var. inermis* | Natural | unknown | United States | A |
| Malvaceae    | Hibiscus    | *Hibiscus syriacus* | Natural | *multiplex* | Portugal | A        |
| Malvaceae    | Lavatera    | *Lavatera cretica* | Natural | *multiplex* | Portugal | A        |
| Caprifoliaceae| Lonicera    | *Lonicera implexa* | Natural | *multiplex* | Italy    | A        |
| Lamiaceae    | Perovskia   | *Perovskia abrotanoides* | Natural | *multiplex* | France  | A        |
The overall number of host plant species infected naturally, artificially and in unspecified conditions by the different *X. fastidiosa* subspecies and according to the different categories are reported in Tables 8, 9 and 10. The plant species behind the numbers shown in those tables are listed in Appendices A, B and C. In those appendices, the full lists of plant species infected by the different *X. fastidiosa* subspecies naturally, artificially and in not specified conditions according to the five categories are shown.

The highest number of plant species naturally infected is recorded for *X. fastidiosa* subsp. *multiplex* (179 according to category A, up to 185 for category E), followed by subsp. *pauca* and subsp. *fastidiosa*. Eighty-nine plant species were artificially infected with *X. fastidiosa* subsp. unknown (i.e. not reported) according to category A, raising to 216 for category E. *Xylella fastidiosa* subsp. *fastidiosa* was able to infect 39 plant species (category A, and 73 for category E) in experimental conditions.

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

| Plant family | Plant genus | Plant species | Infection method | X. fastidiosa subspecies | Country | Category |
|--------------|-------------|---------------|------------------|--------------------------|---------|----------|
| Oleaceae     | Phillyrea   | *Phillyrea angustifolia* | Natural | *multiplex* | Spain | A |
| Myrtaceae    | Psidium     | *Psidium sp.* | Natural | *fastidiosa* | Costa Rica | A |
| Dennstaedtiaceae | Pteridium | *Pteridium aquilinum* | Natural | *multiplex* | Portugal | A |
| Rhamnaceae   | Rhamnus     | *Rhamnus sp.* | Natural | *multiplex* | France | A |
| Lamiaceae    | Rosmarinus  | *Rosmarinus sp.* | Natural | *multiplex* | France | A |
| Rutaceae     | Ruta        | *Ruta chalepensis* | Natural | *fastidiosa* | Spain | A |
| Lamiaceae    | Salvia      | *Salvia officinalis* | Natural | *multiplex* | Portugal | A |
| Lamiaceae    | Salvia      | *Salvia officinalis* | Natural | unknown | Spain | A |
| Adoxaceae    | Sambucus    | *Sambucus nigra* | Natural | *multiplex* | Portugal | A |
| Asteraceae   | Santolina   | *Santolina magnonica* | Natural | *multiplex* | Spain | A |
| Fabaceae     | Ulex        | *Ulex parviflorus* | Natural | *pauca* | Spain | A |
| Fabaceae     | Ulex        | *Ulex sp.* | Natural | *multiplex* | Portugal | A |
| Vitaceae     | Vitis       | *Vitis hybrids* | Natural | *fastidiosa* | United States | A |
| Vitaceae     | Vitis       | *Vitis riparia* | Natural | unknown | United States | A |

| Plant family | Plant genus | Plant species | Infection method | X. fastidiosa subspecies | Country | Category |
|--------------|-------------|---------------|------------------|--------------------------|---------|----------|
| Lamiaceae    | Ocimum      | *Ocimum basilicum* | Artificial | *pauca* | – | A |
| Vitaceae     | Vitis       | *Vitis × doaniara* | Artificial | *fastidiosa* | – | C |
| Vitaceae     | Vitis       | *Vitis treleasei* | Artificial | *fastidiosa* | – | C |
| Vitaceae     | Vitis       | *Vitis vinifera hybrid* | Artificial | *fastidiosa* | – | C |
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 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, 1,711 records reporting information on 231 plant species infected by 87 different STs have been reported in the database. Most of the records (1,273) 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 belong to STs of subsp. pauca (186 records), whereas ST1 (subsp. fastidiosa) still remains the most studied ST, now with 154 records.

Compared to the previous version of the database (EFSA, 2020), 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, although the number of species (26) and records (54) where this ST is reported has risen considerably since the last update.

### 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 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, 1,711 records reporting information on 231 plant species infected by 87 different STs have been reported in the database. Most of the records (1,273) 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 belong to STs of subsp. pauca (186 records), whereas ST1 (subsp. fastidiosa) still remains the most studied ST, now with 154 records.

Compared to the previous version of the database (EFSA, 2020), 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, although the number of species (26) and records (54) where this ST is reported has risen considerably since the last update.

### 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. Hundred and thirty-five additional records have been inserted in the database compared to the previous version (EFSA, 2020), most of them belonging to the genus Vitis. Information on tolerant/resistant status have been reported on 70 plant species.
with a total number of 622 records, but the most studied genera are *Vitis*, *Citrus* and *Prunus* (342, 175 and 54 records, respectively), reflecting the important economic value of these crop plant species. Research on tolerance and resistance is also gaining increasing interest with reference to the *Olea* genus (23 records), due to several recent studies carried out in the Apulian outbreak on olive cultivar responses to *X. fastidiosa* strain De Donno infection.

**Table 11:** Number of records reporting tolerant/resistant response for plant genus and species

| Plant genus and species | Number of records |
|-------------------------|-------------------|
| **Arabidopsis**         | 4                 |
| *Arabidopsis thaliana*  | 4                 |
| **Citrus**              | 175               |
| *Citrus celebica*       | 1                 |
| *Citrus clementina*     | 4                 |
| *Citrus jambhiri*       | 2                 |
| *Citrus junos*          | 1                 |
| *Citrus latifolia*      | 1                 |
| *Citrus limettioides*   | 1                 |
| *Citrus limon*          | 14                |
| *Citrus medica*         | 1                 |
| *Citrus natsudaidai*    | 1                 |
| *Citrus paradisi*       | 5                 |
| *Citrus reticulata*     | 9                 |
| *Citrus reticulata × C. sinensis × C. paradisi* | 1 |
| *Citrus sinensis*       | 8                 |
| *Citrus sp.*            | 70                |
| *Citrus tangerina*      | 32                |
| *Citrus × nobilis*      | 11                |
| *Citrus × tangelo*      | 13                |
| **Coffea**              | 5                 |
| *Coffea arabica*        | 4                 |
| *Coffea sp.*            | 1                 |
| **Fortunella**          | 1                 |
| *Fortunella margarita*  | 1                 |
| **Medicago**            | 2                 |
| *Medicago sativa*       | 2                 |
| **Olea**                | 23                |
| *Olea europaea*         | 23                |
| **Platanus**            | 2                 |
| *Platanus sp.*          | 2                 |
| **Poncirus**            | 3                 |
| *Poncirus trifoliata*   | 3                 |
| **Prunus**              | 54                |
| *Prunus angustifolia*   | 1                 |
| *Prunus armeniaca*      | 3                 |
| *Prunus avium*          | 5                 |
| *Prunus cerasus*        | 2                 |
| *Prunus domestica*      | 3                 |
| *Prunus dulcis*         | 8                 |
| *Prunus persica*        | 7                 |
| *Prunus salicina*       | 10                |
| *Prunus sp.*            | 13                |
| *Prunus × amygdalo-persica* | 2 |
To the aim of this study, different tolerant/resistant response to \textit{X. fastidiosa} infection has been grouped into 11 categories, as reported in Table\textsuperscript{12}. Those categories include the plant response/s for which the authors of the publication considered that plant as tolerant/resistant to \textit{X. fastidiosa} infection. One hundred and nineteen publications, reported in 622 records, for the most part (367) due to artificial infections, return information on tolerance and resistance outcome to \textit{X. fastidiosa} infection.

In 42 publications, the authors consider the plant tolerant or resistant, but without adding further details, whereas in 22 publications (and 163 records in artificial infection), the plant is designated tolerant or resistant based on a lower bacterial population it harbours. With more than 70 records, the lack of infection and lack or reduction of symptoms are the two most reported tolerant/resistant outcomes in natural infection.

\begin{table}[!h]
\centering
\begin{tabular}{|l|c|}
\hline
\textbf{Plant genus and species} & \textbf{Number of records} \\
\hline
\textit{Quercus} & 2 \\
\textit{Quercus ilex} & 2 \\
\textit{Vaccinium} & 9 \\
\textit{Vaccinium corymbosum} & 5 \\
\textit{Vaccinium sp.} & 4 \\
\textit{Vitis} & 342 \\
\textit{Vitis aestivalis} & 4 \\
\textit{Vitis arizonica} & 88 \\
\textit{Vitis arizonica hybrid} & 6 \\
\textit{Vitis arizonica} $\times$ \textit{V. rupestris} & 6 \\
\textit{Vitis arizonica} $\times$ \textit{V. vinifera} & 1 \\
\textit{Vitis arizonica/candicans} & 3 \\
\textit{Vitis arizonica/candicans} $\times$ \textit{V. rupestris} & 2 \\
\textit{Vitis arizonica/girdiana} & 1 \\
\textit{Vitis berlandieri} $\times$ \textit{riparia} hybrids & 6 \\
\textit{Vitis berlandieri} $\times$ \textit{V. rupestris} & 4 \\
\textit{Vitis candidans} & 9 \\
\textit{Vitis champinii} $\times$ (\textit{V. solonis} $\times$ \textit{V. othello}) & 1 \\
\textit{Vitis cinerea} & 7 \\
\textit{Vitis cinerea} $\times$ \textit{V. berlandieri} & 2 \\
\textit{Vitis girdiana} & 9 \\
\textit{Vitis monticola} & 1 \\
\textit{Vitis munsoniana} & 3 \\
\textit{Vitis popenoei} & 1 \\
\textit{Vitis rotundifolia} & 58 \\
\textit{Vitis rotundifolia} $\times$ \textit{V. rupestris} & 1 \\
\textit{Vitis simpsonii} & 1 \\
\textit{Vitis sp.} & 76 \\
\textit{Vitis tiliacifolia} & 1 \\
\textit{Vitis treleasei} & 6 \\
\textit{Vitis vinifera} & 25 \\
\textit{Vitis vinifera hybrid} & 3 \\
\textit{Vitis aestivalis var. smalliana} & 4 \\
\textit{Vitis aestivalis var. smalliana} $\times$ \textit{V. simpsonii} & 4 \\
\textit{Vitis aestivalis var. smalliana} $\times$ \textit{V. vinifera} & 1 \\
\textit{Vitis nesbittiana} & 2 \\
\textit{Vitis rufofomentosa} & 1 \\
\textit{Vitis shuttleworthii} & 5 \\
\hline
\textbf{TOTAL} & \textbf{622} \\
\hline
\end{tabular}
\end{table}
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 4).

An extensive literature search was performed including all scientific papers published up to 31 December 2020, as well as additional documents obtained from research groups, communications of national authorities and Europhyt outbreak notifications (last accessed on 18 March 2020).

By these searches, 86 publications were selected and informative data were extracted. Forty-three new host plant species, 14 new genera and 2 new families were identified as new hosts of *X. fastidiosa*. Those plant species, genera and families were not previously present in the database. Thirty-nine of those new host plant species were naturally infected and identified both in the EU (France, Italy, Portugal, Spain) and outside the EU (Costa Rica and the United States). *X. fastidiosa* subspecies infecting the new host plants were *fastidiosa*, *multiplex*, *pauca* or not identified (unknown/not reported in the study). Compared to the previous version of the database (EFSA, 2020), no new STs have been identified worldwide and no new data were retrieved for *X. taiwanensis* that up to now has been reported only in *Pyrus pyrifolia* plants.

The overall number of *Xylella* spp. host plants reaches now 385 plant species, 179 genera and 67 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 638 plant species, 289 genera and 87 families for category E (i.e. all positives plant species reported, regardless of the detection methods).

Information on tolerant/resistant status were reported for 70 plant species in 119 publications, with a total number of 622 records. The economically important *Vitis*, *Citrus* and *Prunus* genera are still the most studied and reported plant taxa.

From 2021 onwards, the EFSA database on *Xylella* spp. host plants will be updated twice per year 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](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 4 ([https://doi.org/10.5281/zenodo.1339343](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  | *Acacia saligna*              | *Xf* subsp.unknown | A        |
| 2  | *Acer rubrum*                 | *Xf* subsp.unknown | A        |
| 3  | *Albizia julibrissin*         | *Xf* subsp.unknown | A        |
| 4  | *Amaranthus retroflexus*      | *Xf* subsp.unknown | A        |
| 5  | *Ambrosia psilostachya*       | *Xf* subsp.unknown | A        |
| 6  | *Ambrosia trifida*            | *Xf* subsp.unknown | A        |
| 7  | *Ampelopsis arborea*          | *Xf* subsp.unknown | A        |
| 8  | *Ampelopsis brevipedunculata* | *Xf* subsp.unknown | A        |
| 9  | *Ampelopsis brevipedunculata* var. hancei | *Xf* subsp.unknown | A        |
| 10 | *Asparagus acutifolius*       | *Xf* subsp.unknown | A        |
| 11 | *Baccharis halimifolia*       | *Xf* subsp.unknown | A        |
| 12 | *Baccharis* sp.               | *Xf* subsp.unknown | A        |
| 13 | *Brassica* sp.                | *Xf* subsp.unknown | A        |
| 14 | *Callicarpa americana*        | *Xf* subsp.unknown | A        |
| 15 | *Carya aquatica*              | *Xf* subsp.unknown | A        |
| 16 | *Carya cathayensis*           | *Xf* subsp.unknown | A        |
| 17 | *Carya cordiformis*           | *Xf* subsp.unknown | A        |
| 18 | *Carya floridana*             | *Xf* subsp.unknown | A        |
| 19 | *Carya glabra*                | *Xf* subsp.unknown | A        |
| 20 | *Carya illinoinsensis*        | *Xf* subsp.unknown | A        |
| 21 | *Carya laciniosa*             | *Xf* subsp.unknown | A        |
| 22 | *Carya pallida*               | *Xf* subsp.unknown | A        |
| 23 | *Carya palmeri*               | *Xf* subsp.unknown | A        |
| 24 | *Carya tomentosa*             | *Xf* subsp.unknown | A        |
| 25 | *Catharanthus roseus*         | *Xf* subsp.unknown | A        |
| 26 | *Cercis occidentalis*         | *Xf* subsp.unknown | A        |
| 27 | *Chamaecrista fasciculata*    | *Xf* subsp.unknown | A        |
| N  | Plant species         | Pest       | Category |
|----|-----------------------|------------|----------|
| 28 | Chionanthus retusus   | Xf subsp.unknown | A        |
| 29 | Chitalpa tashkentensis| Xf subsp.unknown | A        |
| 30 | Cistus albidus        | Xf subsp.unknown | A        |
| 31 | Cistus creticus       | Xf subsp.unknown | A        |
| 32 | Citrus aurantium      | Xf subsp.unknown | A        |
| 33 | Citrus celebica       | Xf subsp.unknown | A        |
| 34 | Citrus jambhiri       | Xf subsp.unknown | A        |
| 35 | Citrus limon          | Xf subsp.unknown | A        |
| 36 | Citrus medica         | Xf subsp.unknown | A        |
| 37 | Citrus natsudaidai    | Xf subsp.unknown | A        |
| 38 | Citrus paradisi       | Xf subsp.unknown | A        |
| 39 | Citrus reticulata     | Xf subsp.unknown | A        |
| 40 | Citrus sinensis       | Xf subsp.unknown | A        |
| 41 | Citrus sp.            | Xf subsp.unknown | A        |
| 42 | Citrus tangerina      | Xf subsp.unknown | A        |
| 43 | Citrus × nobilis      | Xf subsp.unknown | A        |
| 44 | Citrus × tangelo      | Xf subsp.unknown | A        |
| 45 | Coelorachis cylindrica| Xf subsp.unknown | A        |
| 46 | Coffea arabica        | Xf subsp.unknown | A        |
| 47 | Coffea sp.            | Xf subsp.unknown | A        |
| 48 | Conium maculatum      | Xf subsp.unknown | A        |
| 49 | Digitaria sp.         | Xf subsp.unknown | A        |
| 50 | Diospyros kaki        | Xf subsp.unknown | A        |
| 51 | Diplocyclos palmatus  | Xf subsp.unknown | A        |
| 52 | Dodonaea viscosa      | Xf subsp.unknown | A        |
| 53 | Euphorbia terracina   | Xf subsp.unknown | A        |
| 54 | Fagus crenata         | Xf subsp.unknown | A        |
| 55 | Fatsia japonica       | Xf subsp.unknown | A        |
| 56 | Ficus carica          | Xf subsp.unknown | A        |
| 57 | Fraxinus pennsylvanica| Xf subsp.unknown | A        |
| 58 | Genista × spachiana   | Xf subsp.unknown | A        |
| 59 | Ginkgo biloba         | Xf subsp.unknown | A        |
| 60 | Gleditsia triacanthos var. inermis | Xf subsp.unknown | A |
| 61 | Grevillea juniperina  | Xf subsp.unknown | A        |
| 62 | Helianthus annuus     | Xf subsp.unknown | A        |
| 63 | Hemerocallis sp.      | Xf subsp.unknown | A        |
| 64 | Hibiscus schizopetalus| Xf subsp.unknown | A        |
| 65 | Humulus scandens      | Xf subsp.unknown | A        |
| 66 | Ilex vomitoria        | Xf subsp.unknown | A        |
| 67 | Iva annua             | Xf subsp.unknown | A        |
| 68 | Jacaranda mimosifolia | Xf subsp.unknown | A        |
| 69 | Juglans sp.           | Xf subsp.unknown | A        |
| 70 | Juniperus ashei       | Xf subsp.unknown | A        |
| 71 | Lagerstroemia indica  | Xf subsp.unknown | A        |
| 72 | Lagerstroemia sp.     | Xf subsp.unknown | A        |
| 73 | Laurus nobilis        | Xf subsp.unknown | A        |
| 74 | Lavandula angustifolia| Xf subsp.unknown | A        |
| 75 | Lavandula dentata     | Xf subsp.unknown | A        |
| 76 | Ligustrum lucidum     | Xf subsp.unknown | A        |
| 77 | Liquidambar styraciflua| Xf subsp.unknown | A        |
| N  | Plant species          | Pest       | Category |
|----|------------------------|------------|----------|
| 78 | Lonicera japonica      | Xf subsp.unknown | A        |
| 79 | Lupinus aridorum       | Xf subsp.unknown | A        |
| 80 | Lupinus villosus       | Xf subsp.unknown | A        |
| 81 | Magnolia grandiflora   | Xf subsp.unknown | A        |
| 82 | Malloitus paniculatus  | Xf subsp.unknown | A        |
| 83 | Medicago sativa        | Xf subsp.unknown | A        |
| 84 | Mimosa sp.             | Xf subsp.unknown | A        |
| 85 | Mobiola caroliniana    | Xf subsp.unknown | A        |
| 86 | Morus alba             | Xf subsp.unknown | A        |
| 87 | Morus rubra            | Xf subsp.unknown | A        |
| 88 | Morus sp.              | Xf subsp.unknown | A        |
| 89 | Myoporum insulare      | Xf subsp.unknown | A        |
| 90 | Myrtus communis        | Xf subsp.unknown | A        |
| 91 | Nandina domestica      | Xf subsp.unknown | A        |
| 92 | Neptunia lutea         | Xf subsp.unknown | A        |
| 93 | Nerium oleander        | Xf subsp.unknown | A        |
| 94 | Olea europaea          | Xf subsp.unknown | A        |
| 95 | Olea sp.               | Xf subsp.unknown | A        |
| 96 | Parthenocissus quinquefolia | Xf subsp.unknown | A        |
| 97 | Paspalum dilatatum     | Xf subsp.unknown | A        |
| 98 | Periwinkle (common name)| Xf subsp.unknown | A        |
| 99 | Persea americana       | Xf subsp.unknown | A        |
| 100| Phagnalon saxatile     | Xf subsp.unknown | A        |
| 101| Phoenix reclinata      | Xf subsp.unknown | A        |
| 102| Phoenix roebelenii     | Xf subsp.unknown | A        |
| 103| Pinus taeda            | Xf subsp.unknown | A        |
| 104| Platanus occidentalis  | Xf subsp.unknown | A        |
| 105| Platanus sp.           | Xf subsp.unknown | A        |
| 106| Polygala myrtifolia    | Xf subsp.unknown | A        |
| 107| Prunus avium           | Xf subsp.unknown | A        |
| 108| Prunus cerasifera      | Xf subsp.unknown | A        |
| 109| Prunus cerasifera × P. munsoniana | Xf subsp.unknown | A        |
| 110| Prunus dulcis          | Xf subsp.unknown | A        |
| 111| Prunus persica         | Xf subsp.unknown | A        |
| 112| Prunus salicina        | Xf subsp.unknown | A        |
| 113| Prunus sp.             | Xf subsp.unknown | A        |
| 114| Pyrus pyrifolia        | Xf subsp.unknown | A        |
| 115| Pyrus sp.              | Xf subsp.unknown | A        |
| 116| Quercus coccinea       | Xf subsp.unknown | A        |
| 117| Quercus falcata        | Xf subsp.unknown | A        |
| 118| Quercus laevis         | Xf subsp.unknown | A        |
| 119| Quercus laurifolia     | Xf subsp.unknown | A        |
| 120| Quercus nigra          | Xf subsp.unknown | A        |
| 121| Quercus palustris      | Xf subsp.unknown | A        |
| 122| Quercus rubra          | Xf subsp.unknown | A        |
| 123| Quercus sp.            | Xf subsp.unknown | A        |
| 124| Quercus velutina       | Xf subsp.unknown | A        |
| 125| Quercus virginiana     | Xf subsp.unknown | A        |
| 126| Ratibida columnifera   | Xf subsp.unknown | A        |
| 127| Rhamnus alaternus      | Xf subsp.unknown | A        |
| N  | Plant species                  | Pest            | Category |
|----|--------------------------------|-----------------|----------|
| 128| Rhus sp.                       | Xf subsp.unknown| A        |
| 129| Rubus hedycarpus subsp. procerus| Xf subsp.unknown| A        |
| 130| Rubus sp.                      | Xf subsp.unknown| A        |
| 131| Salvia officinalis             | Xf subsp.unknown| A        |
| 132| Salvia rosmarinus              | Xf subsp.unknown| A        |
| 133| Sambucus canadensis            | Xf subsp.unknown| A        |
| 134| Sassafras albium               | Xf subsp.unknown| A        |
| 135| Sassafras sp.                  | Xf subsp.unknown| A        |
| 136| Setaria magna                  | Xf subsp.unknown| A        |
| 137| Solidago fistulosa             | Xf subsp.unknown| A        |
| 138| Spartium junceum               | Xf subsp.unknown| A        |
| 139| Stewartia pseudocamellia       | Xf subsp.unknown| A        |
| 140| Symphyotrichum divaricatum     | Xf subsp.unknown| A        |
| 141| Trifolium repens               | Xf subsp.unknown| A        |
| 142| Ulmus americana                | Xf subsp.unknown| A        |
| 143| Ulmus glabra                   | Xf subsp.unknown| A        |
| 144| Ulmus pumila                   | Xf subsp.unknown| A        |
| 145| Ulmus sp.                      | Xf subsp.unknown| A        |
| 146| Vaccinium ashei                | Xf subsp.unknown| A        |
| 147| Vaccinium corymbosum           | Xf subsp.unknown| A        |
| 148| Vaccinium sp.                  | Xf subsp.unknown| A        |
| 149| Vaccinium virgatum             | Xf subsp.unknown| A        |
| 150| Vinca major                    | Xf subsp.unknown| A        |
| 151| Vinca minor                    | Xf subsp.unknown| A        |
| 152| Vitis californica              | Xf subsp.unknown| A        |
| 153| Vitis canidicns                | Xf subsp.unknown| A        |
| 154| Vitis labrusca                 | Xf subsp.unknown| A        |
| 155| Vitis labrusca × V. vinifera   | Xf subsp.unknown| A        |
| 156| Vitis munsoniana               | Xf subsp.unknown| A        |
| 157| Vitis muscadina                | Xf subsp.unknown| A        |
| 158| Vitis riparia                  | Xf subsp.unknown| A        |
| 159| Vitis rotundifolia             | Xf subsp.unknown| A        |
| 160| Vitis sp.                      | Xf subsp.unknown| A        |
| 161| Vitis vinifera                 | Xf subsp.unknown| A        |
| 162| Acer saccharum                 | Xf subsp.unknown| B        |
| 163| Cypres eragrostis              | Xf subsp.unknown| B        |
| 164| Hevea brasiliensis             | Xf subsp.unknown| B        |
| 165| Prunus domestica               | Xf subsp.unknown| B        |
| 166| Sorghum halepense              | Xf subsp.unknown| B        |
| 167| Acacia longifolia              | Xf subsp.unknown| C        |
| 168| Acer macrophyllum              | Xf subsp.unknown| C        |
| 169| Acer negundo                   | Xf subsp.unknown| C        |
| 170| Acer platanoides               | Xf subsp.unknown| C        |
| 171| Acer sp.                       | Xf subsp.unknown| C        |
| 172| Aesculus × hybrida             | Xf subsp.unknown| C        |
| 173| Agathis australis              | Xf subsp.unknown| C        |
| 174| Agrostis gigantea              | Xf subsp.unknown| C        |
| 175| Alectryon excelsus             | Xf subsp.unknown| C        |
| 176| Alternanthera ficoidea         | Xf subsp.unknown| C        |
| 177| Amaranthus sp.                 | Xf subsp.unknown| C        |
| N  | Plant species       | Pest        | Category |
|----|---------------------|-------------|----------|
| 178| Anisantha diandra   | Xf subsp.unknown | C        |
| 179| Anisantha rigida    | Xf subsp.unknown | C        |
| 180| Arctostaphylos sp.  | Xf subsp.unknown | C        |
| 181| Artemisia douglasiana | Xf subsp.unknown | C        |
| 182| Atriplex sp.        | Xf subsp.unknown | C        |
| 183| Avena fatua         | Xf subsp.unknown | C        |
| 184| Axonopus compressus | Xf subsp.unknown | C        |
| 185| Baccharis pilularis | Xf subsp.unknown | C        |
| 186| Bidens pilosa       | Xf subsp.unknown | C        |
| 187| Boerhavia diffusa   | Xf subsp.unknown | C        |
| 188| Borereria latifolia | Xf subsp.unknown | C        |
| 189| Brachiaria decumbens | Xf subsp.unknown | C        |
| 190| Brachiaria plantaginea | Xf subsp.unknown | C        |
| 191| Brachyglottis sp.   | Xf subsp.unknown | C        |
| 192| Bromus sp.          | Xf subsp.unknown | C        |
| 193| Broussonetia papyrifera | Xf subsp.unknown | C        |
| 194| Calicotome sp.      | Xf subsp.unknown | C        |
| 195| Calicotome spinosa  | Xf subsp.unknown | C        |
| 196| Calyptocarpus biaristatus | Xf subsp.unknown | C        |
| 197| Campsis radicans    | Xf subsp.unknown | C        |
| 198| Capsella bursa-pastoris | Xf subsp.unknown | C        |
| 199| Carex sp.           | Xf subsp.unknown | C        |
| 200| Celastrus orbiculatus | Xf subsp.unknown | C        |
| 201| Cenchrus echinatus  | Xf subsp.unknown | C        |
| 202| Chenopodiastrum murale | Xf subsp.unknown | C        |
| 203| Chloris halophila   | Xf subsp.unknown | C        |
| 204| Cistus monspeliensis | Xf subsp.unknown | C        |
| 205| Coffea arabica × C. canephora | Xf subsp.unknown | C        |
| 206| Coffea arabica × C. eugenioides | Xf subsp.unknown | C        |
| 207| Coffea arabica × C. liberica var. dewevrei | Xf subsp.unknown | C        |
| 208| Coffea arabica × C. racemosa | Xf subsp.unknown | C        |
| 209| Coffea canephora    | Xf subsp.unknown | C        |
| 210| Coffea racemosa     | Xf subsp.unknown | C        |
| 211| Coffea eugenioides  | Xf subsp.unknown | C        |
| 212| Coffea kapakata     | Xf subsp.unknown | C        |
| 213| Coffea liberica var. dewevrei | Xf subsp.unknown | C        |
| 214| Coffea stenophylla  | Xf subsp.unknown | C        |
| 215| Commelina benghalensis | Xf subsp.unknown | C        |
| 216| Commelina erecta    | Xf subsp.unknown | C        |
| 217| Convolvulus arvensis | Xf subsp.unknown | C        |
| 218| Coprosma repens     | Xf subsp.unknown | C        |
| 219| Coprosma robusta    | Xf subsp.unknown | C        |
| 220| Cordyline australis | Xf subsp.unknown | C        |
| 221| Cordyline sp.       | Xf subsp.unknown | C        |
| 222| Cornus florida      | Xf subsp.unknown | C        |
| 223| Corokia cotoneaster | Xf subsp.unknown | C        |
| 224| Corokia macrocarpa  | Xf subsp.unknown | C        |
| 225| Corokia sp.         | Xf subsp.unknown | C        |
| 226| Corynocarpus laevigatus | Xf subsp.unknown | C        |
| N  | Plant species               | Pest        | Category |
|----|----------------------------|-------------|----------|
| 227| Croton setigerus            | Xf subsp.unknown | C        |
| 228| Cynodon dactylon            | Xf subsp.unknown | C        |
| 229| Cyperus sp.                 | Xf subsp.unknown | C        |
| 230| Cytisus scoparius           | Xf subsp.unknown | C        |
| 231| Datura wrightii             | Xf subsp.unknown | C        |
| 232| Digitaria horizontalis      | Xf subsp.unknown | C        |
| 233| Digitaria insularis         | Xf subsp.unknown | C        |
| 234| Digitaria sanguinalis       | Xf subsp.unknown | C        |
| 235| Duranta erecta              | Xf subsp.unknown | C        |
| 236| Dysphania ambrosioides      | Xf subsp.unknown | C        |
| 237| Echinochloa crus-galli      | Xf subsp.unknown | C        |
| 238| Eleusine indica             | Xf subsp.unknown | C        |
| 239| Erigeron canadensis         | Xf subsp.unknown | C        |
| 240| Eriochloa contracta         | Xf subsp.unknown | C        |
| 241| Eriogonum sp.               | Xf subsp.unknown | C        |
| 242| Erodium botrys              | Xf subsp.unknown | C        |
| 243| Erodium moschatum           | Xf subsp.unknown | C        |
| 244| Erodium sp.                 | Xf subsp.unknown | C        |
| 245| Escallonia bifida           | Xf subsp.unknown | C        |
| 246| Eucalyptus sp.              | Xf subsp.unknown | C        |
| 247| Euphorbia hirta             | Xf subsp.unknown | C        |
| 248| Facelis retusa              | Xf subsp.unknown | C        |
| 249| Fragaria vesca subsp. californica | Xf subsp.unknown | C        |
| 250| Fraxinus angustifolia       | Xf subsp.unknown | C        |
| 251| Fraxinus dipetala           | Xf subsp.unknown | C        |
| 252| Fuchsia magellanica         | Xf subsp.unknown | C        |
| 253| Genista lucida              | Xf subsp.unknown | C        |
| 254| Geranium dissectum          | Xf subsp.unknown | C        |
| 255| Haloragis erecta            | Xf subsp.unknown | C        |
| 256| Hebe sp.                    | Xf subsp.unknown | C        |
| 257| Hedera helix                | Xf subsp.unknown | C        |
| 258| Heliotropium fruticosum     | Xf subsp.unknown | C        |
| 259| Heliotropium indicum        | Xf subsp.unknown | C        |
| 260| Heterotheca grandiflora     | Xf subsp.unknown | C        |
| 261| Hordeum murinum             | Xf subsp.unknown | C        |
| 262| Hydrangea paniculata        | Xf subsp.unknown | C        |
| 263| Hypocharis brasiliensis     | Xf subsp.unknown | C        |
| 264| Ipomoea fistulosa           | Xf subsp.unknown | C        |
| 265| Juglans regia               | Xf subsp.unknown | C        |
| 266| Lactuca serriola            | Xf subsp.unknown | C        |
| 267| Leonurus sibiricus          | Xf subsp.unknown | C        |
| 268| Lepidium auriculatum        | Xf subsp.unknown | C        |
| 269| Lepidium didymum            | Xf subsp.unknown | C        |
| 270| Ligustrum sinense           | Xf subsp.unknown | C        |
| 271| Ligustrum virginicum        | Xf subsp.unknown | C        |
| 272| Liriodendron tulipifera     | Xf subsp.unknown | C        |
| 273| Lolium multiflorum          | Xf subsp.unknown | C        |
| 274| Lolium perenne              | Xf subsp.unknown | C        |
| 275| Ludwigia grandiflora        | Xf subsp.unknown | C        |
| 276| Malva parviflora            | Xf subsp.unknown | C        |
| N  | Plant species               | Pest      | Category |
|----|-----------------------------|-----------|----------|
| 277| Marrubium vulgare           | Xf subsp.unknown | C        |
| 278| Medicago polymorpha         | Xf subsp.unknown | C        |
| 279| Melicope ternata            | Xf subsp.unknown | C        |
| 280| Melicytus ramiflorus        | Xf subsp.unknown | C        |
| 281| Melilotus sp.               | Xf subsp.unknown | C        |
| 282| Melissa officinalis         | Xf subsp.unknown | C        |
| 283| Merremia macrocalyx         | Xf subsp.unknown | C        |
| 284| Meryta sinclairii           | Xf subsp.unknown | C        |
| 285| Metrosideros excelsa        | Xf subsp.unknown | C        |
| 286| Metrosideros sp.            | Xf subsp.unknown | C        |
| 287| Metrosideros kermadecensis  | Xf subsp.unknown | C        |
| 288| Montiastrum lineare         | Xf subsp.unknown | C        |
| 289| Myoporum laetum             | Xf subsp.unknown | C        |
| 290| Olea europaea subsp. sylvestris | Xf subsp.unknown | C        |
| 291| Origanum majorana           | Xf subsp.unknown | C        |
| 292| Panicum acuminatum          | Xf subsp.unknown | C        |
| 293| Parthenocissus tricuspidata | Xf subsp.unknown | C        |
| 294| Paspalum urvillei           | Xf subsp.unknown | C        |
| 295| Paspalum regnellii          | Xf subsp.unknown | C        |
| 296| Passiflora foetida          | Xf subsp.unknown | C        |
| 297| Pennisetum clandestinum     | Xf subsp.unknown | C        |
| 298| Persicaria lapathifolia     | Xf subsp.unknown | C        |
| 299| Persicaria maculosa        | Xf subsp.unknown | C        |
| 300| Phalaris angusta            | Xf subsp.unknown | C        |
| 301| Phoenix sp.                 | Xf subsp.unknown | C        |
| 302| Phormium colensoi           | Xf subsp.unknown | C        |
| 303| Phormium tenax              | Xf subsp.unknown | C        |
| 304| Pittosporum crassifolium    | Xf subsp.unknown | C        |
| 305| Pittosporum eugenioides     | Xf subsp.unknown | C        |
| 306| Pittosporum tenuifolium     | Xf subsp.unknown | C        |
| 307| Pittosporum umbellatum      | Xf subsp.unknown | C        |
| 308| Plantago lanceolata         | Xf subsp.unknown | C        |
| 309| Pluchea odorata             | Xf subsp.unknown | C        |
| 310| Poa annua                   | Xf subsp.unknown | C        |
| 311| Polygonum arenastrum        | Xf subsp.unknown | C        |
| 312| Portulaca oleracea          | Xf subsp.unknown | C        |
| 313| Prunus angustifolia         | Xf subsp.unknown | C        |
| 314| Prunus laurocerasus         | Xf subsp.unknown | C        |
| 315| Prunus serotina             | Xf subsp.unknown | C        |
| 316| Prunus serrulata            | Xf subsp.unknown | C        |
| 317| Prunus simonii × P. salicina × P. cerasifera × P. munsoniana | Xf subsp.unknown | C        |
| 318| Quercus agrifolia           | Xf subsp.unknown | C        |
| 319| Quercus alba                | Xf subsp.unknown | C        |
| 320| Quercus ilex                | Xf subsp.unknown | C        |
| 321| Quercus imbricaria          | Xf subsp.unknown | C        |
| 322| Quercus incana              | Xf subsp.unknown | C        |
| 323| Quercus macrocarpa          | Xf subsp.unknown | C        |
| 324| Quercus phellos             | Xf subsp.unknown | C        |
| 325| Ranunculus repens           | Xf subsp.unknown | C        |
| N  | Plant species       | Pest          | Category |
|----|---------------------|---------------|----------|
| 326| Rhus diversiloba    | Xf subsp.unknown | C        |
| 327| Richardia sp.       | Xf subsp.unknown | C        |
| 328| Rosa californica    | Xf subsp.unknown | C        |
| 329| Rubus ursinus       | Xf subsp.unknown | C        |
| 330| Rubus vitifolius    | Xf subsp.unknown | C        |
| 331| Rumex crispus       | Xf subsp.unknown | C        |
| 332| Salix sp.           | Xf subsp.unknown | C        |
| 333| Salsola kali subsp. tragus | Xf subsp.unknown | C        |
| 334| Sambucus cerulea    | Xf subsp.unknown | C        |
| 335| Senecio grisebachii | Xf subsp.unknown | C        |
| 336| Senecio vulgaris    | Xf subsp.unknown | C        |
| 337| Senna secundiflora  | Xf subsp.unknown | C        |
| 338| Sida rhombifolia    | Xf subsp.unknown | C        |
| 339| Silybum marianum    | Xf subsp.unknown | C        |
| 340| Sisymbrium irio     | Xf subsp.unknown | C        |
| 341| Solanum americanum  | Xf subsp.unknown | C        |
| 342| Sonchus oleraceus   | Xf subsp.unknown | C        |
| 343| Sonchus sp.         | Xf subsp.unknown | C        |
| 344| Sophora secundiflora| Xf subsp.unknown | C        |
| 345| Stachys arvensis    | Xf subsp.unknown | C        |
| 346| Stellaria media     | Xf subsp.unknown | C        |
| 347| Syzygium paniculatum| Xf subsp.unknown | C        |
| 348| Talinum paniculatum | Xf subsp.unknown | C        |
| 349| Taraxacum officinale| Xf subsp.unknown | C        |
| 350| Trifolium incarnatum| Xf subsp.unknown | C        |
| 351| Urtica dioica subsp. gracilis | Xf subsp.unknown | C        |
| 352| Urtica urens        | Xf subsp.unknown | C        |
| 353| Vaccinium elliottii | Xf subsp.unknown | C        |
| 354| Verbena litoralis   | Xf subsp.unknown | C        |
| 355| Vernonia sp.        | Xf subsp.unknown | C        |
| 356| Veronica persica    | Xf subsp.unknown | C        |
| 357| Veronica sp.        | Xf subsp.unknown | C        |
| 358| Vicia ludoviciana   | Xf subsp.unknown | C        |
| 359| Vitex lucens        | Xf subsp.unknown | C        |
| 360| Vitis arizonica     | Xf subsp.unknown | C        |
| 361| Vitis girdiana      | Xf subsp.unknown | C        |
| 362| Wisteria frutescens | Xf subsp.unknown | C        |
| 363| Xanthium spinosum   | Xf subsp.unknown | C        |
| 364| Citrus × limonia    | Xf subsp.unknown | D        |
| 365| Coffea liberica     | Xf subsp.unknown | D        |
| 366| Prunus americana    | Xf subsp.unknown | D        |
| 367| Prunus munsoniana   | Xf subsp.unknown | D        |
| 368| Prunus simonii      | Xf subsp.unknown | D        |
| 369| Solidago canadensis | Xf subsp.unknown | D        |
| 370| Prunus armeniaca    | Xf subsp.unknown | E        |
| 371| Prunus hortulana    | Xf subsp.unknown | E        |
| 372| Prunus mexicana     | Xf subsp.unknown | E        |
| 373| Ulmus × hollandica  | Xf subsp.unknown | E        |
| 374| Vitis aestivalis    | Xf subsp.unknown | E        |
| 375| Vitis bourquiniana  | Xf subsp.unknown | E        |
| N  | Plant species                  | Pest                  | Category |
|----|--------------------------------|-----------------------|----------|
| 376| *Vitis cinerea*                | *Xf* subsp.unknown    | E        |
| 377| *Vitis simpsonii*              | *Xf* subsp.unknown    | E        |
| 378| *Vitis × champinii*            | *Xf* subsp.unknown    | E        |
| 379| *Vitis rufotomentosa*          | *Xf* subsp.unknown    | E        |
| 380| *Vitis shuttleworthii*         | *Xf* subsp.unknown    | E        |
|    |                                |                       |          |
| 1  | *Acer sp.*                     | *Xf* subsp. *fastidiosa* | A      |
| 2  | *Ambrosia artemisiifolia*      | *Xf* subsp. *fastidiosa* | A      |
| 3  | *Calicotome spinosa*           | *Xf* subsp. *fastidiosa* | A      |
| 4  | *Cercis occidentalis*          | *Xf* subsp. *fastidiosa* | A      |
| 5  | *Cistus monspeliensis*         | *Xf* subsp. *fastidiosa* | A      |
| 6  | *Cistus sinensis*              | *Xf* subsp. *fastidiosa* | A      |
| 7  | *Coffea arabica*               | *Xf* subsp. *fastidiosa* | A      |
| 8  | *Coffea canephora*             | *Xf* subsp. *fastidiosa* | A      |
| 9  | *Coffea sp.*                   | *Xf* subsp. *fastidiosa* | A      |
| 10 | *Erysimum hybrids*             | *Xf* subsp. *fastidiosa* | A      |
| 11 | *Genista lucida*               | *Xf* subsp. *fastidiosa* | A      |
| 12 | *Juglans regia*                | *Xf* subsp. *fastidiosa* | A      |
| 13 | *Lupinus aridorum*             | *Xf* subsp. *fastidiosa* | A      |
| 14 | *Magnolia grandiflora*         | *Xf* subsp. *fastidiosa* | A      |
| 15 | *Medicago sativa*              | *Xf* subsp. *fastidiosa* | A      |
| 16 | *Metrosideros sp.*             | *Xf* subsp. *fastidiosa* | A      |
| 17 | *Morus sp.*                    | *Xf* subsp. *fastidiosa* | A      |
| 18 | *Nerium oleander*              | *Xf* subsp. *fastidiosa* | A      |
| 19 | *Pluchea odorata*              | *Xf* subsp. *fastidiosa* | A      |
| 20 | *Polygala myrtifolia*          | *Xf* subsp. *fastidiosa* | A      |
| 21 | *Prunus avium*                 | *Xf* subsp. *fastidiosa* | A      |
| 22 | *Prunus dulcis*                | *Xf* subsp. *fastidiosa* | A      |
| 23 | *Prunus persica*               | *Xf* subsp. *fastidiosa* | A      |
| 24 | *Prunus sp.*                   | *Xf* subsp. *fastidiosa* | A      |
| 25 | *Psidium sp.*                  | *Xf* subsp. *fastidiosa* | A      |
| 26 | *Rhamnus alaternus*            | *Xf* subsp. *fastidiosa* | A      |
| 27 | *Rubus rigidus*                | *Xf* subsp. *fastidiosa* | A      |
| 28 | *Rubus ursinus*                | *Xf* subsp. *fastidiosa* | A      |
| 29 | *Ruta chalepensis*             | *Xf* subsp. *fastidiosa* | A      |
| 30 | *Salvia rosmarinus*            | *Xf* subsp. *fastidiosa* | A      |
| 31 | *Sambucus canadensis*          | *Xf* subsp. *fastidiosa* | A      |
| 32 | *Sambucus sp.*                 | *Xf* subsp. *fastidiosa* | A      |
| 33 | *Spartium junceum*             | *Xf* subsp. *fastidiosa* | A      |
| 34 | *Streptocarpus hybrids*        | *Xf* subsp. *fastidiosa* | A      |
| 35 | *Teucrium capitatum*           | *Xf* subsp. *fastidiosa* | A      |
| 36 | *Ulmus americana*              | *Xf* subsp. *fastidiosa* | A      |
| 37 | *Vaccinium corymbosum*         | *Xf* subsp. *fastidiosa* | A      |
| 38 | *Vinca major*                  | *Xf* subsp. *fastidiosa* | A      |
| 39 | *Vinca sp.*                    | *Xf* subsp. *fastidiosa* | A      |
| 40 | *Vitis aestivalis*             | *Xf* subsp. *fastidiosa* | A      |
| 41 | *Vitis aestivalis* hybrid      | *Xf* subsp. *fastidiosa* | A      |
| 42 | *Vitis Californica*            | *Xf* subsp. *fastidiosa* | A      |
| 43 | *Vitis candicans*              | *Xf* subsp. *fastidiosa* | A      |
| 44 | *Vitis cinerea var. helleri × V. vulpina* | *Xf* subsp. *fastidiosa* | A      |
| N  | Plant species                | Pest            | Category |
|----|------------------------------|-----------------|----------|
| 45 | Vitis girdiana Xf subsp. fastidiosa |                 | A        |
| 46 | Vitis hybrids Xf subsp. fastidiosa |                 | A        |
| 47 | Vitis rotundifolia Xf subsp. fastidiosa |                 | A        |
| 48 | Vitis sp. Xf subsp. fastidiosa |                 | A        |
| 49 | Vitis vinifera Xf subsp. fastidiosa |                 | A        |
| 50 | Broussonetia papyrifera Xf subsp. fastidiosa |         | C        |
| 51 | Quercus sp. Xf subsp. fastidiosa |                 | C        |
| 52 | Ulmus sp. Xf subsp. fastidiosa |                 | C        |

| N  | Plant species                | Pest            | Category |
|----|------------------------------|-----------------|----------|
| 1  | Acacia dealbata Xf subsp. multiplex |             | A        |
| 2  | Acacia longifolia Xf subsp. multiplex |           | A        |
| 3  | Acacia melanoxylon Xf subsp. multiplex |           | A        |
| 4  | Acacia saligna Xf subsp. multiplex |             | A        |
| 5  | Acer griseum Xf subsp. multiplex |             | A        |
| 6  | Acer pseudoplatanus Xf subsp. multiplex |          | A        |
| 7  | Acer rubrum Xf subsp. multiplex |             | A        |
| 8  | Adenocarpus lainzii Xf subsp. multiplex |          | A        |
| 9  | Alnus rhombifolia Xf subsp. multiplex |           | A        |
| 10 | Ambrosia psilostachya Xf subsp. multiplex |         | A        |
| 11 | Ambrosia sp. Xf subsp. multiplex |             | A        |
| 12 | Ambrosia trifida Xf subsp. multiplex |           | A        |
| 13 | Ambrosia trifida var. texana Xf subsp. multiplex |       | A        |
| 14 | Ampelopsis cordata Xf subsp. multiplex |            | A        |
| 15 | Anthyllis hermanniae Xf subsp. multiplex |          | A        |
| 16 | Artemisia absinthium Xf subsp. multiplex |           | A        |
| 17 | Artemisia arborescens Xf subsp. multiplex |          | A        |
| 18 | Artemisia sp. Xf subsp. multiplex |             | A        |
| 19 | Asparagus acutifolius Xf subsp. multiplex |          | A        |
| 20 | Athyrium filix-femina Xf subsp. multiplex |          | A        |
| 21 | Baccharis halimifolia Xf subsp. multiplex |           | A        |
| 22 | Calicotome spinosa Xf subsp. multiplex |           | A        |
| 23 | Calicotome villosa Xf subsp. multiplex |           | A        |
| 24 | Callistemon citrinus Xf subsp. multiplex |          | A        |
| 25 | Calluna vulgaris Xf subsp. multiplex |             | A        |
| 26 | Caryya illinoiensis Xf subsp. multiplex |           | A        |
| 27 | Caryya sp. Xf subsp. multiplex |             | A        |
| 28 | Celtis occidentalis Xf subsp. multiplex |           | A        |
| 29 | Cercis canadensis Xf subsp. multiplex |           | A        |
| 30 | Cercis occidentalis Xf subsp. multiplex |           | A        |
| 31 | Cercis siliquastrum Xf subsp. multiplex |          | A        |
| 32 | Chionanthus sp. Xf subsp. multiplex |             | A        |
| 33 | Cistus albidus Xf subsp. multiplex |             | A        |
| 34 | Cistus creticus Xf subsp. multiplex |             | A        |
| 35 | Cistus salviifolius Xf subsp. multiplex |          | A        |
| 36 | Cistus sp. Xf subsp. multiplex |             | A        |
| 37 | Convolvulus cneorum Xf subsp. multiplex |            | A        |
| N  | Plant species                              | Pest                  | Category |
|----|-------------------------------------------|-----------------------|----------|
| 42 | Coprosma repens                           | Xf subsp. multiplex    | A        |
| 43 | Coronilla sp.                             | Xf subsp. multiplex    | A        |
| 44 | Coronilla valentina                       | Xf subsp. multiplex    | A        |
| 45 | Coronilla valentina subsp. glauca         | Xf subsp. multiplex    | A        |
| 46 | Cytisus scoparius                         | Xf subsp. multiplex    | A        |
| 47 | Cytisus sp.                               | Xf subsp. multiplex    | A        |
| 48 | Cytisus spinosa                           | Xf subsp. multiplex    | A        |
| 49 | Cytisus villosus                          | Xf subsp. multiplex    | A        |
| 50 | Dodonaea viscosa                          | Xf subsp. multiplex    | A        |
| 51 | Echium plantagineum                       | Xf subsp. multiplex    | A        |
| 52 | Elaeagnus angustifolia                    | Xf subsp. multiplex    | A        |
| 53 | Encelia farinosa                          | Xf subsp. multiplex    | A        |
| 54 | Erigeron canadensis                       | Xf subsp. multiplex    | A        |
| 55 | Erigeron karvinskianus                    | Xf subsp. multiplex    | A        |
| 56 | Erodium moschatum                         | Xf subsp. multiplex    | A        |
| 57 | Euryops chrysanthemoides                  | Xf subsp. multiplex    | A        |
| 58 | Euryops pectinatus                        | Xf subsp. multiplex    | A        |
| 59 | Fallopia japonica                         | Xf subsp. multiplex    | A        |
| 60 | Ficus carica                              | Xf subsp. multiplex    | A        |
| 61 | Frangula alnus                            | Xf subsp. multiplex    | A        |
| 62 | Fraxinus americana                        | Xf subsp. multiplex    | A        |
| 63 | Fraxinus angustifolia                     | Xf subsp. multiplex    | A        |
| 64 | Fraxinus sp.                              | Xf subsp. multiplex    | A        |
| 65 | Genista corsica                           | Xf subsp. multiplex    | A        |
| 66 | Genista ephedroides                       | Xf subsp. multiplex    | A        |
| 67 | Genista sp.                               | Xf subsp. multiplex    | A        |
| 68 | Genista tridentata                        | Xf subsp. multiplex    | A        |
| 69 | Genista × spachiana                       | Xf subsp. multiplex    | A        |
| 70 | Ginkgo biloba                             | Xf subsp. multiplex    | A        |
| 71 | Gleditsia triacanthos                     | Xf subsp. multiplex    | A        |
| 72 | Grevillea juniperina                      | Xf subsp. multiplex    | A        |
| 73 | Hebe elliptica                            | Xf subsp. multiplex    | A        |
| 74 | Hebe sp.                                 | Xf subsp. multiplex    | A        |
| 75 | Helianthus annuus                         | Xf subsp. multiplex    | A        |
| 76 | Helianthus sp.                            | Xf subsp. multiplex    | A        |
| 77 | Helichrysum italicum                     | Xf subsp. multiplex    | A        |
| 78 | Helichrysum sp.                           | Xf subsp. multiplex    | A        |
| 79 | Helichrysum stoechas                      | Xf subsp. multiplex    | A        |
| 80 | Hibiscus syriacus                         | Xf subsp. multiplex    | A        |
| 81 | Ilex aquifolium                           | Xf subsp. multiplex    | A        |
| 82 | Iva annua                                 | Xf subsp. multiplex    | A        |
| 83 | Koelreuteria bipinnata                    | Xf subsp. multiplex    | A        |
| 84 | Lagerstroemia indica                      | Xf subsp. multiplex    | A        |
| 85 | Lagerstroemia sp.                         | Xf subsp. multiplex    | A        |
| 86 | Laurus nobilis                            | Xf subsp. multiplex    | A        |
| 87 | Lavandula angustifolia                    | Xf subsp. multiplex    | A        |
| 88 | Lavandula dentata                         | Xf subsp. multiplex    | A        |
| 89 | Lavandula latifolia                       | Xf subsp. multiplex    | A        |
| 90 | Lavandula sp.                             | Xf subsp. multiplex    | A        |
| 91 | Lavandula stoechas                        | Xf subsp. multiplex    | A        |
| N  | Plant species                  | Pest            | Category |
|----|--------------------------------|-----------------|----------|
| 92 | Lavandula × heterophylla       | Xf subsp. multiplex | A        |
| 93 | Lavandula × intermedia         | Xf subsp. multiplex | A        |
| 94 | Lavatera cretica               | Xf subsp. multiplex | A        |
| 95 | Liquidambar styraciflua        | Xf subsp. multiplex | A        |
| 96 | Lonicera implexa               | Xf subsp. multiplex | A        |
| 97 | Lonicera japonica              | Xf subsp. multiplex | A        |
| 98 | Lupinus aridorum               | Xf subsp. multiplex | A        |
| 99 | Lupinus villosus               | Xf subsp. multiplex | A        |
| 100| Magnolia grandiflora           | Xf subsp. multiplex | A        |
| 101| Medicago arborea               | Xf subsp. multiplex | A        |
| 102| Medicago sativa                | Xf subsp. multiplex | A        |
| 103| Metrosideros excelsa           | Xf subsp. multiplex | A        |
| 104| Metrosideros sp.               | Xf subsp. multiplex | A        |
| 105| Myrtus communis                | Xf subsp. multiplex | A        |
| 106| Nerium oleander                | Xf subsp. multiplex | A        |
| 107| Olea europaea                  | Xf subsp. multiplex | A        |
| 108| Olea europaea subsp. sylvestris| Xf subsp. multiplex | A        |
| 109| Olea sp.                       | Xf subsp. multiplex | A        |
| 110| Osteospermum ecklonis          | Xf subsp. multiplex | A        |
| 111| Pelargonium graveolens         | Xf subsp. multiplex | A        |
| 112| Pelargonium sp.                | Xf subsp. multiplex | A        |
| 113| Periwinkle (common name)       | Xf subsp. multiplex | A        |
| 114| Phagnalon abrotanoides         | Xf subsp. multiplex | A        |
| 115| Phagnalon saxatile             | Xf subsp. multiplex | A        |
| 116| Phillyrea angustifolia          | Xf subsp. multiplex | A        |
| 117| Phillyrea latifolia            | Xf subsp. multiplex | A        |
| 118| Phlomis fruticosa              | Xf subsp. multiplex | A        |
| 119| Pistacia vera                  | Xf subsp. multiplex | A        |
| 120| Plantago lanceolata            | Xf subsp. multiplex | A        |
| 121| Platanus occidentalis          | Xf subsp. multiplex | A        |
| 122| Platanus sp.                   | Xf subsp. multiplex | A        |
| 123| Polygala myrtifolia            | Xf subsp. multiplex | A        |
| 124| Polygala × grandiflora nana    | Xf subsp. multiplex | A        |
| 125| Prunus armeniaca               | Xf subsp. multiplex | A        |
| 126| Prunus avium                   | Xf subsp. multiplex | A        |
| 127| Prunus cerasfera               | Xf subsp. multiplex | A        |
| 128| Prunus cerasus                 | Xf subsp. multiplex | A        |
| 129| Prunus domestica               | Xf subsp. multiplex | A        |
| 130| Prunus dulcis                  | Xf subsp. multiplex | A        |
| 131| Prunus persica                 | Xf subsp. multiplex | A        |
| 132| Prunus salicina                | Xf subsp. multiplex | A        |
| 133| Prunus sp.                     | Xf subsp. multiplex | A        |
| 134| Pteridium aquilinum            | Xf subsp. multiplex | A        |
| 135| Quercus coccinea               | Xf subsp. multiplex | A        |
| 136| Quercus falcata                | Xf subsp. multiplex | A        |
| 137| Quercus laevis                 | Xf subsp. multiplex | A        |
| 138| Quercus macrocarpa             | Xf subsp. multiplex | A        |
| 139| Quercus nigra                  | Xf subsp. multiplex | A        |
| 140| Quercus palustris              | Xf subsp. multiplex | A        |
| 141| Quercus phellos                | Xf subsp. multiplex | A        |
| N  | Plant species       | Pest          | Category |
|----|---------------------|---------------|----------|
| 142| Quercus robur       | Xf subsp. multiplex | A        |
| 143| Quercus rubra       | Xf subsp. multiplex | A        |
| 144| Quercus shumardii   | Xf subsp. multiplex | A        |
| 145| Quercus sp.         | Xf subsp. multiplex | A        |
| 146| Quercus suber       | Xf subsp. multiplex | A        |
| 147| Rattibida columnifera| Xf subsp. multiplex | A        |
| 148| Rhamnus alaternus   | Xf subsp. multiplex | A        |
| 149| Rhamnus sp.         | Xf subsp. multiplex | A        |
| 150| Robinia pseudoacacia| Xf subsp. multiplex | A        |
| 151| Rosa canina         | Xf subsp. multiplex | A        |
| 152| Rosa sp.            | Xf subsp. multiplex | A        |
| 153| Rosmarinus sp.      | Xf subsp. multiplex | A        |
| 154| Rubus sp.           | Xf subsp. multiplex | A        |
| 155| Salvia melifera     | Xf subsp. multiplex | A        |
| 156| Salvia officinalis  | Xf subsp. multiplex | A        |
| 157| Salvia rosmarinus   | Xf subsp. multiplex | A        |
| 158| Sambucus nigra      | Xf subsp. multiplex | A        |
| 159| Sambucus sp.        | Xf subsp. multiplex | A        |
| 160| Santolina chamaecyparissus | Xf subsp. multiplex | A        |
| 161| Santolina magonica  | Xf subsp. multiplex | A        |
| 162| Sapindus saponaria  | Xf subsp. multiplex | A        |
| 163| Solidago virgaurea  | Xf subsp. multiplex | A        |
| 164| Spartium junceum    | Xf subsp. multiplex | A        |
| 165| Spartium sp.        | Xf subsp. multiplex | A        |
| 166| Strelitzia reginae  | Xf subsp. multiplex | A        |
| 167| Ulex europaeus      | Xf subsp. multiplex | A        |
| 168| Ulex minor          | Xf subsp. multiplex | A        |
| 169| Ulex sp.            | Xf subsp. multiplex | A        |
| 170| Ulmus americana     | Xf subsp. multiplex | A        |
| 171| Ulmus crassifolia   | Xf subsp. multiplex | A        |
| 172| Ulmus sp.           | Xf subsp. multiplex | A        |
| 173| Vaccinium ashei     | Xf subsp. multiplex | A        |
| 174| Vaccinium corymbosum| Xf subsp. multiplex | A        |
| 175| Vaccinium sp.       | Xf subsp. multiplex | A        |
| 176| Vinca major         | Xf subsp. multiplex | A        |
| 177| Vinca sp.           | Xf subsp. multiplex | A        |
| 178| Westringia fruticosa| Xf subsp. multiplex | A        |
| 179| Xanthium strumarium | Xf subsp. multiplex | A        |
| 180| Acer platanoides    | Xf subsp. multiplex | C        |
| 181| Calicotome sp.      | Xf subsp. multiplex | C        |
| 182| Cistus × incanus    | Xf subsp. multiplex | C        |
| 183| Liriodendron tulipifera| Xf subsp. multiplex | C        |
| 184| Polygala sp.        | Xf subsp. multiplex | C        |
| 185| Polygala × dalmaisiana| Xf subsp. multiplex | C        |

| N  | Plant species       | Pest          | Category |
|----|---------------------|---------------|----------|
| 1  | Acacia saligna      | Xf subsp. pauca | A        |
| 2  | Acacia sp.          | Xf subsp. pauca | A        |
| 3  | Amaranthus retroflexus| Xf subsp. pauca | A        |
| 4  | Asparagus acutifolius| Xf subsp. pauca | A        |
| 5  | Catharanthus roseus  | Xf subsp. pauca | A        |
| N | Plant species | Pest | Category |
|---|---------------|------|----------|
| 6 | Chenopodium album | Xf subsp.pauca | A |
| 7 | Cistus albidus | Xf subsp.pauca | A |
| 8 | Cistus creticus | Xf subsp.pauca | A |
| 9 | Citrus sinensis | Xf subsp.pauca | A |
| 10 | Citrus sp. | Xf subsp.pauca | A |
| 11 | Coffea arabica | Xf subsp.pauca | A |
| 12 | Coffea sp. | Xf subsp.pauca | A |
| 13 | Dodonaea viscosa | Xf subsp.pauca | A |
| 14 | Eremophila maculata | Xf subsp.pauca | A |
| 15 | Erigeron bonariensis | Xf subsp.pauca | A |
| 16 | Erigeron sp. | Xf subsp.pauca | A |
| 17 | Erigeron sumatrensis | Xf subsp.pauca | A |
| 18 | Euphorbia chamaesyce | Xf subsp.pauca | A |
| 19 | Euphorbia terracina | Xf subsp.pauca | A |
| 20 | Grevillea juniperina | Xf subsp.pauca | A |
| 21 | Hebe sp. | Xf subsp.pauca | A |
| 22 | Heliotropium europaeum | Xf subsp.pauca | A |
| 23 | Hibiscus rosa-sinensis | Xf subsp.pauca | A |
| 24 | Hibiscus sp. | Xf subsp.pauca | A |
| 25 | Laurus nobilis | Xf subsp.pauca | A |
| 26 | Lavandula angustifolia | Xf subsp.pauca | A |
| 27 | Lavandula dentata | Xf subsp.pauca | A |
| 28 | Lavandula sp. | Xf subsp.pauca | A |
| 29 | Lavandula stoechas | Xf subsp.pauca | A |
| 30 | Myoporum insulare | Xf subsp.pauca | A |
| 31 | Myrtus communis | Xf subsp.pauca | A |
| 32 | Nerium oleander | Xf subsp.pauca | A |
| 33 | Olea europaea | Xf subsp.pauca | A |
| 34 | Olea europaea subsp. sylvestris | Xf subsp.pauca | A |
| 35 | Osteospermum fruticosum | Xf subsp.pauca | A |
| 36 | Pelargonium fragrans | Xf subsp.pauca | A |
| 37 | Pelargonium sp. | Xf subsp.pauca | A |
| 38 | Periwinkle (common name) | Xf subsp.pauca | A |
| 39 | Phillyrea latifolia | Xf subsp.pauca | A |
| 40 | Pistacia vera | Xf subsp.pauca | A |
| 41 | Polygala myrtifolia | Xf subsp.pauca | A |
| 42 | Prunus avium | Xf subsp.pauca | A |
| 43 | Prunus domestica | Xf subsp.pauca | A |
| 44 | Prunus dulcis | Xf subsp.pauca | A |
| 45 | Prunus sp. | Xf subsp.pauca | A |
| 46 | Rhamnus alaternus | Xf subsp.pauca | A |
| 47 | Salvia rosmarinus | Xf subsp.pauca | A |
| 48 | Spartium junceum | Xf subsp.pauca | A |
| 49 | Ulex parviflorus | Xf subsp.pauca | A |
| 50 | Vinca minor | Xf subsp.pauca | A |
| 51 | Westringia fruticosa | Xf subsp.pauca | A |
| 52 | Westringia glabra | Xf subsp.pauca | A |
| 53 | Polygala sp. | Xf subsp.pauca | C |
| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 54| Prunus persica Xf subsp.pauca  |                       | C        |
| 55| Quercus ilex Xf subsp.pauca    |                       | C        |

| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 1 | Morus alba Xf subsp.morus      |                       | A        |
| 2 | Morus rubra Xf subsp.morus     |                       | A        |
| 3 | Morus sp. Xf subsp.morus       |                       | A        |
| 4 | Nandina domestica Xf subsp.morus |                     | A        |

| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 1 | Coffea arabica Xf subsp.sandyi |                       | A        |
| 2 | Coffea sp. Xf subsp.sandyi     |                       | A        |
| 3 | Hemerocallis sp. Xf subsp.sandyi |                   | A        |
| 4 | Jacaranda mimosifolia Xf subsp.sandyi |              | A        |
| 5 | Magnolia grandiflora Xf subsp.sandyi |                | A        |
| 6 | Nandina domestica Xf subsp.sandyi |                     | A        |
| 7 | Nerium oleander Xf subsp.sandyi |                       | A        |
| 8 | Polygala myrtifolia Xf subsp.sandyi |                  | A        |

| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 1 | Chitalpa tashkentensis Xf subsp.tashke |                | A        |

| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 1 | Coffea arabica Xf subsp.fastidiosa/sandyi |                | A        |
| 2 | Coffea canephora Xf subsp.fastidiosa/sandyi |               | A        |

| N | Plant species                  | Pest                  | Category |
|---|--------------------------------|-----------------------|----------|
| 1 | Pyrus pyrifolia                | Xylella taiwanensis   | A        |
Appendix B – Host plant species artificially infected

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

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

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

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

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

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

| N | Plant species | Pest | Category |
|---|---------------|------|----------|
| 1 | Acer macrophyllum | Xf subsp.unknown | A |
| 2 | Acer negundo | Xf subsp.unknown | A |
| 3 | Aesculus californica | Xf subsp.unknown | A |
| 4 | Alnus rhombifolia | Xf subsp.unknown | A |
| 5 | Ambrosia artemisifolia | Xf subsp.unknown | A |
| 6 | Ambrosia sp. | Xf subsp.unknown | A |
| 7 | Arabidopsis thaliana | Xf subsp.unknown | A |
| 8 | Artemisia douglasiana | Xf subsp.unknown | A |
| 9 | Baccharis pilularis | Xf subsp.unknown | A |
| 10 | Baccharis salicifolia | Xf subsp.unknown | A |
| 11 | Brassica nigra | Xf subsp.unknown | A |
| 12 | Carya illinoinensis | Xf subsp.unknown | A |
| 13 | Catharanthus roseus | Xf subsp.unknown | A |
| 14 | Citrus aurantiifolia | Xf subsp.unknown | A |
| 15 | Citrus clementina | Xf subsp.unknown | A |
| 16 | Citrus clementina × C. sinensis | Xf subsp.unknown | A |
| 17 | Citrus jambhiri | Xf subsp.unknown | A |
| 18 | Citrus reshni | Xf subsp.unknown | A |
| 19 | Citrus reticulata | Xf subsp.unknown | A |
| 20 | Citrus sinensis | Xf subsp.unknown | A |
| 21 | Citrus sp. | Xf subsp.unknown | A |
| 22 | Citrus sunki | Xf subsp.unknown | A |
| 23 | Citrus unshiu | Xf subsp.unknown | A |
| 24 | Citrus × limonia | Xf subsp.unknown | A |
| 25 | Citrus × nobilis | Xf subsp.unknown | A |
| 26 | Coffea arabica | Xf subsp.unknown | A |
| 27 | Coffea sp. | Xf subsp.unknown | A |
| 28 | Conium maculatum | Xf subsp.unknown | A |
| N  | Plant species            | Pest          | Category |
|----|--------------------------|---------------|----------|
| 29 | Coprosma repens         | Xf subsp.unknown | A        |
| 30 | Coriandrum sativum      | Xf subsp.unknown | A        |
| 31 | Cyperus eragrostis      | Xf subsp.unknown | A        |
| 32 | Echinochloa crus-galli  | Xf subsp.unknown | A        |
| 33 | Fagopyrum esculentum    | Xf subsp.unknown | A        |
| 34 | Fraxinus latifolia      | Xf subsp.unknown | A        |
| 35 | Hakea petiolaris        | Xf subsp.unknown | A        |
| 36 | Hedera helix            | Xf subsp.unknown | A        |
| 37 | Lobularia maritima      | Xf subsp.unknown | A        |
| 38 | Medicago sativa         | Xf subsp.unknown | A        |
| 39 | Morus alba              | Xf subsp.unknown | A        |
| 40 | Morus sp.               | Xf subsp.unknown | A        |
| 41 | Nerium oleander         | Xf subsp.unknown | A        |
| 42 | Nicotiana benthamiana   | Xf subsp.unknown | A        |
| 43 | Nicotiana tabacum       | Xf subsp.unknown | A        |
| 44 | Parthenocissus quinquefolia | Xf subsp.unknown | A   |
| 45 | Periwinkle (common name) | Xf subsp.unknown | A   |
| 46 | Persea americana        | Xf subsp.unknown | A        |
| 47 | Platanus occidentalis   | Xf subsp.unknown | A        |
| 48 | Populus fremontii       | Xf subsp.unknown | A        |
| 49 | Prunus cerasifera       | Xf subsp.unknown | A        |
| 50 | Prunus dulcis           | Xf subsp.unknown | A        |
| 51 | Prunus persica          | Xf subsp.unknown | A        |
| 52 | Prunus salicina         | Xf subsp.unknown | A        |
| 53 | Prunus sp.              | Xf subsp.unknown | A        |
| 54 | Pyrus pyrifolia         | Xf subsp.unknown | A        |
| 55 | Quercus agrifolia       | Xf subsp.unknown | A        |
| 56 | Quercus lobata          | Xf subsp.unknown | A        |
| 57 | Quercus rubra           | Xf subsp.unknown | A        |
| 58 | Rhus diversiloba        | Xf subsp.unknown | A        |
| 59 | Rosa californica        | Xf subsp.unknown | A        |
| 60 | Rubus hedycarpus subsp. procerus | Xf subsp.unknown | A   |
| 61 | Rubus rigidus           | Xf subsp.unknown | A        |
| 62 | Rubus ursinus           | Xf subsp.unknown | A        |
| 63 | Salix laevigata         | Xf subsp.unknown | A        |
| 64 | Salix lasiolepis        | Xf subsp.unknown | A        |
| 65 | Salvia apiana           | Xf subsp.unknown | A        |
| 66 | Salvia mellifera        | Xf subsp.unknown | A        |
| 67 | Sambucus canadensis     | Xf subsp.unknown | A        |
| 68 | Sambucus sp.            | Xf subsp.unknown | A        |
| 69 | Spartium junceum        | Xf subsp.unknown | A        |
| 70 | Swainsona galegifolia   | Xf subsp.unknown | A        |
| 71 | Symphoricarpos albus    | Xf subsp.unknown | A        |
| 72 | Teline monspessulana    | Xf subsp.unknown | A        |
| 73 | Ulmus americana         | Xf subsp.unknown | A        |
| 74 | Umbellulararia californica | Xf subsp.unknown | A   |
| 75 | Urtica dioica           | Xf subsp.unknown | A        |
| 76 | Vaccinium corymbosum    | Xf subsp.unknown | A        |
| 77 | Vaccinium sp.           | Xf subsp.unknown | A        |
| 78 | Vicia sativa           | Xf subsp.unknown | A        |
| N  | Plant species                  | Pest                  | Category |
|----|-------------------------------|-----------------------|----------|
| 79 | Vinca major                   | Xf subsp.unknown A    | A        |
| 80 | Vinca minor                   | Xf subsp.unknown A    | A        |
| 81 | Vitis arizonica × V. rupestris| Xf subsp.unknown A    | A        |
| 82 | Vitis arizonica/candicans × V. rupestris | Xf subsp.unknown A | A        |
| 83 | Vitis californica             | Xf subsp.unknown A    | A        |
| 84 | Vitis labrusca × V. vinifera  | Xf subsp.unknown A    | A        |
| 85 | Vitis rotundifolia            | Xf subsp.unknown A    | A        |
| 86 | Vitis rotundifolia × V. rupestris | Xf subsp.unknown A | A        |
| 87 | Vitis rupestris               | Xf subsp.unknown A    | A        |
| 88 | Vitis sp.                     | Xf subsp.unknown A    | A        |
| 89 | Vitis vinifera                | Xf subsp.unknown A    | A        |
| 90 | Morus rubra                   | Xf subsp.unknown B    | B        |
| 91 | Prunus domestica              | Xf subsp.unknown B    | B        |
| 92 | Vitis arizonica/candicans     | Xf subsp.unknown B    | B        |
| 93 | Vitis aestivalis var. smalliana | Xf subsp.unknown B  | B        |
| 94 | Vitis rufofomentosa           | Xf subsp.unknown B    | B        |
| 95 | Ambrosia acanthicarpa         | Xf subsp.unknown C    | C        |
| 96 | Ambrosia trifida var. texana  | Xf subsp.unknown C    | C        |
| 97 | Amsinckia douglasiana         | Xf subsp.unknown C    | C        |
| 98 | Anisantha rigida              | Xf subsp.unknown C    | C        |
| 99 | Avena fatua                   | Xf subsp.unknown C    | C        |
| 100| Brachiaria plantaginea        | Xf subsp.unknown C    | C        |
| 101| Bromus sp.                    | Xf subsp.unknown C    | C        |
| 102| Callistephus chinensis        | Xf subsp.unknown C    | C        |
| 103| Canna sp.                     | Xf subsp.unknown C    | C        |
| 104| Ceratochloa cathartica        | Xf subsp.unknown C    | C        |
| 105| Citrus deliciosa × C. sinensis | Xf subsp.unknown C  | C        |
| 106| Citrus medica                 | Xf subsp.unknown C    | C        |
| 107| Citrus tangerina              | Xf subsp.unknown C    | C        |
| 108| Citrus × tangelo              | Xf subsp.unknown C    | C        |
| 109| Clarkia amoena subsp. lindleyi| Xf subsp.unknown C    | C        |
| 110| Coprosma baueri               | Xf subsp.unknown C    | C        |
| 111| Cotoneaster rotundifolius     | Xf subsp.unknown C    | C        |
| 112| Cynodon dactylon              | Xf subsp.unknown C    | C        |
| 113| Cyperus esculentus            | Xf subsp.unknown C    | C        |
| 114| Cytisus scoparius             | Xf subsp.unknown C    | C        |
| 115| Daucus carota subsp. sativus  | Xf subsp.unknown C    | C        |
| 116| Digitaria sanguinalis         | Xf subsp.unknown C    | C        |
| 117| Dysphania ambrosioides        | Xf subsp.unknown C    | C        |
| 118| Epilobium brachycarpum        | Xf subsp.unknown C    | C        |
| 119| Epilobium ciliatum            | Xf subsp.unknown C    | C        |
| 120| Eragrostis diffusa            | Xf subsp.unknown C    | C        |
| 121| Erodium cicutarium            | Xf subsp.unknown C    | C        |
| 122| Fallopia convolvulus          | Xf subsp.unknown C    | C        |
| 123| Grevillea alpina              | Xf subsp.unknown C    | C        |
| 124| Helianthus annuus             | Xf subsp.unknown C    | C        |
| 125| Hordeum murinum               | Xf subsp.unknown C    | C        |
| 126| Hordeum vulgare               | Xf subsp.unknown C    | C        |
| 127| Iva annua                     | Xf subsp.unknown C    | C        |
| 128| Lactuca serriola              | Xf subsp.unknown C    | C        |
| N  | Plant species               | Pest                | Category |
|----|-----------------------------|---------------------|----------|
| 129| Lathyrus cicera             | Xf subsp.unknown   | C        |
| 130| Lathyrus clymenum           | Xf subsp.unknown   | C        |
| 131| Lathyrus sativus            | Xf subsp.unknown   | C        |
| 132| Leptospermum laevigatum     | Xf subsp.unknown   | C        |
| 133| Lolium multiflorum          | Xf subsp.unknown   | C        |
| 134| Lolium temulentum           | Xf subsp.unknown   | C        |
| 135| Lonicera japonica           | Xf subsp.unknown   | C        |
| 136| Melilotus albus             | Xf subsp.unknown   | C        |
| 137| Melilotus albus var. annuus | Xf subsp.unknown   | C        |
| 138| Melilotus indicus           | Xf subsp.unknown   | C        |
| 139| Melilotus officinalis       | Xf subsp.unknown   | C        |
| 140| Mentha sp.                  | Xf subsp.unknown   | C        |
| 141| Oenanthe sarmentosa         | Xf subsp.unknown   | C        |
| 142| Oenothera elata             | Xf subsp.unknown   | C        |
| 143| Olea europaea               | Xf subsp.unknown   | C        |
| 144| Parthenocissus tricuspidata | Xf subsp.unknown   | C        |
| 145| Paspalum dilatatum          | Xf subsp.unknown   | C        |
| 146| Pelargonium × hortorum      | Xf subsp.unknown   | C        |
| 147| Pennisetum clandestinum     | Xf subsp.unknown   | C        |
| 148| Pennisetum glaucum          | Xf subsp.unknown   | C        |
| 149| Persicaria maculosa         | Xf subsp.unknown   | C        |
| 150| Phalaris minor              | Xf subsp.unknown   | C        |
| 151| Phalaris paradoxa           | Xf subsp.unknown   | C        |
| 152| Phleum pratense             | Xf subsp.unknown   | C        |
| 153| Photinia arbutifolia        | Xf subsp.unknown   | C        |
| 154| Pittosporum crassifolium    | Xf subsp.unknown   | C        |
| 155| Platagus sp.                | Xf subsp.unknown   | C        |
| 156| Poa annua                   | Xf subsp.unknown   | C        |
| 157| Poncirus trifoliata         | Xf subsp.unknown   | C        |
| 158| Reseda odorata              | Xf subsp.unknown   | C        |
| 159| Rheum rhaponticum           | Xf subsp.unknown   | C        |
| 160| Rubus vitifolius            | Xf subsp.unknown   | C        |
| 161| Rumex crispus               | Xf subsp.unknown   | C        |
| 162| Sambucus cerulea            | Xf subsp.unknown   | C        |
| 163| Sonchus asper               | Xf subsp.unknown   | C        |
| 164| Sorghum halepense           | Xf subsp.unknown   | C        |
| 165| Sorghum × drummondii        | Xf subsp.unknown   | C        |
| 166| Syringa vulgaris            | Xf subsp.unknown   | C        |
| 167| Syzygium paniculatum        | Xf subsp.unknown   | C        |
| 168| Trifolium fragiferum        | Xf subsp.unknown   | C        |
| 169| Trifolium hybridum          | Xf subsp.unknown   | C        |
| 170| Trifolium incarnatum        | Xf subsp.unknown   | C        |
| 171| Trifolium pratense          | Xf subsp.unknown   | C        |
| 172| Trifolium repens            | Xf subsp.unknown   | C        |
| 173| Trifolium repens var. latum | Xf subsp.unknown   | C        |
| 174| Urtica dioica subsp. gracilis| Xf subsp.unknown   | C        |
| 175| Vicia monantha              | Xf subsp.unknown   | C        |
| 176| Vitis acerifolia            | Xf subsp.unknown   | C        |
| 177| Vitis aestivalis            | Xf subsp.unknown   | C        |
| 178| Vitis arizonica             | Xf subsp.unknown   | C        |
| N  | Plant species                             | Pest       | Category |
|----|-------------------------------------------|------------|----------|
| 179| Vitis arizonica hybrid                    | Xf subsp.unknown | C        |
| 180| Vitis arizonica/girdiana                  | Xf subsp.unknown | C        |
| 181| Vitis arizonica/girdiana × V. rupestris   | Xf subsp.unknown | C        |
| 182| Vitis berlandieri                         | Xf subsp.unknown | C        |
| 183| Vitis candicans                           | Xf subsp.unknown | C        |
| 184| Vitis cinerea                             | Xf subsp.unknown | C        |
| 185| Vitis cinerea × V. berlandieri            | Xf subsp.unknown | C        |
| 186| Vitis girdiana                            | Xf subsp.unknown | C        |
| 187| Vitis labrusca                            | Xf subsp.unknown | C        |
| 188| Vitis lincecumii                          | Xf subsp.unknown | C        |
| 189| Vitis monticola                           | Xf subsp.unknown | C        |
| 190| Vitis munsoniana                          | Xf subsp.unknown | C        |
| 191| Vitis palmata                             | Xf subsp.unknown | C        |
| 192| Vitis riparia                             | Xf subsp.unknown | C        |
| 193| Vitis simpsonii                           | Xf subsp.unknown | C        |
| 194| Vitis tilaefolia                          | Xf subsp.unknown | C        |
| 195| Vitis vulpina                             | Xf subsp.unknown | C        |
| 196| Vitis × champinii                         | Xf subsp.unknown | C        |
| 197| Vitis aestivalis var. smalliana × V. simpsonii | Xf subsp.unknown | C        |
| 198| Vitis bloodwothiana                       | Xf subsp.unknown | C        |
| 199| Vitis nesbittiana                         | Xf subsp.unknown | C        |
| 200| Vitis shuttleworthii                      | Xf subsp.unknown | C        |
| 201| Vulpia myuros                             | Xf subsp.unknown | C        |
| 202| Xanthium orientale                        | Xf subsp.unknown | C        |
| 203| (Prunus salicina × P. angustifolia) × (P. salicina × P. munsoniana) | Xf subsp.unknown | D        |
| 204| Prunus angustifolia                       | Xf subsp.unknown | D        |
| 205| Prunus avium                              | Xf subsp.unknown | D        |
| 206| Prunus cerasifera × P. salicina           | Xf subsp.unknown | D        |
| 207| Prunus salicina × (P. salicina × P. cerasifera) | Xf subsp.unknown | D        |
| 208| Vitis arizonica × V. vinifera             | Xf subsp.unknown | D        |
| 209| Chenopodium quinoa                        | Xf subsp.unknown | E        |
| 210| Citroncirus webberi                       | Xf subsp.unknown | E        |
| 211| Citrus macrophylla                        | Xf subsp.unknown | E        |
| 212| Nicotiana clevelandii                     | Xf subsp.unknown | E        |
| 213| Prunus armeniaca                         | Xf subsp.unknown | E        |
| 214| Prunus hortulana                          | Xf subsp.unknown | E        |
| 215| Prunus mexicana                           | Xf subsp.unknown | E        |
| 216| Prunus mume                               | Xf subsp.unknown | E        |

N Plant species Pest Category

1  Amaranthus blitoides  Xf subsp.fastidiosa  A
2  Ambrosia acanthocarpa  Xf subsp.fastidiosa  A
3  Ambrosia artemisiifolia  Xf subsp.fastidiosa  A
4  Catharanthus roseus  Xf subsp.fastidiosa  A
5  Chenopodium quinoa  Xf subsp.fastidiosa  A
6  Conium maculatum  Xf subsp.fastidiosa  A
7  Convolvulus arvensis  Xf subsp.fastidiosa  A
8  Cyperus esculentus  Xf subsp.fastidiosa  A
| N | Plant species                  | Pest                   | Category |
|---|--------------------------------|------------------------|----------|
| 9 | *Datura wrightii*              | *Xf subsp. fastidiosa* | A        |
| 10| *Echinochloa crus-galli*       | *Xf subsp. fastidiosa* | A        |
| 11| *Eriogon canadensis*           | *Xf subsp. fastidiosa* | A        |
| 12| *Eriochloa gracilis*           | *Xf subsp. fastidiosa* | A        |
| 13| *Erodium moschatum*            | *Xf subsp. fastidiosa* | A        |
| 14| *Eucalyptus camaldulensis*     | *Xf subsp. fastidiosa* | A        |
| 15| *Euphorbia globulus*           | *Xf subsp. fastidiosa* | A        |
| 16| *Helianthus annuus*            | *Xf subsp. fastidiosa* | A        |
| 17| *Ipomoea purpurea*             | *Xf subsp. fastidiosa* | A        |
| 18| *Lactuca serriola*             | *Xf subsp. fastidiosa* | A        |
| 19| *Malva parviflora*             | *Xf subsp. fastidiosa* | A        |
| 20| *Medicago sativa*              | *Xf subsp. fastidiosa* | A        |
| 21| *Nicotiana glauca*             | *Xf subsp. fastidiosa* | A        |
| 22| *Nicotiana tabacum*            | *Xf subsp. fastidiosa* | A        |
| 23| *Portulaca oleracea*           | *Xf subsp. fastidiosa* | A        |
| 24| *Prunus dulcis*                | *Xf subsp. fastidiosa* | A        |
| 25| *Prunus sp.*                   | *Xf subsp. fastidiosa* | A        |
| 26| *Rubus ursinus*                | *Xf subsp. fastidiosa* | A        |
| 27| *Rumex crispus*                | *Xf subsp. fastidiosa* | A        |
| 28| *Simmondsia chinensis*         | *Xf subsp. fastidiosa* | A        |
| 29| *Solanum lycopersicum*         | *Xf subsp. fastidiosa* | A        |
| 30| *Solanum melongena*            | *Xf subsp. fastidiosa* | A        |
| 31| *Sonchus oleraceus*            | *Xf subsp. fastidiosa* | A        |
| 32| *Sorghum halepense*            | *Xf subsp. fastidiosa* | A        |
| 33| *Vaccinium corymbosum*         | *Xf subsp. fastidiosa* | A        |
| 34| *Vaccinium sp.*                | *Xf subsp. fastidiosa* | A        |
| 35| *Vicia faba*                   | *Xf subsp. fastidiosa* | A        |
| 36| *Vicia sativa*                 | *Xf subsp. fastidiosa* | A        |
| 37| *Vitis sp.*                    | *Xf subsp. fastidiosa* | A        |
| 38| *Vitis vinifera*               | *Xf subsp. fastidiosa* | A        |
| 39| *Xanthium strumarium*          | *Xf subsp. fastidiosa* | A        |
| 40| *Arabidopsis thaliana*         | *Xf subsp. fastidiosa* | B        |
| 41| *Dendranthema × grandiflorum*  | *Xf subsp. fastidiosa* | C        |
| 42| *Laurus nobilis*               | *Xf subsp. fastidiosa* | C        |
| 43| *Myrtus communis*              | *Xf subsp. fastidiosa* | C        |
| 44| *Olea europaea*                | *Xf subsp. fastidiosa* | C        |
| 45| *Prunus dulcis × P. webbii*     | *Xf subsp. fastidiosa* | C        |
| 46| *Prunus persica*               | *Xf subsp. fastidiosa* | C        |
| 47| *Prunus persica × P. webbii*    | *Xf subsp. fastidiosa* | C        |
| 48| *Prunus webbii*                | *Xf subsp. fastidiosa* | C        |
| 49| *Rubus rigidus*                | *Xf subsp. fastidiosa* | C        |
| 50| *Sambucus canadensis*          | *Xf subsp. fastidiosa* | C        |
| 51| *Vinca major*                  | *Xf subsp. fastidiosa* | C        |
| 52| *Vitis × doaniana*             | *Xf subsp. fastidiosa* | C        |
| 53| *Vitis acerifolia*             | *Xf subsp. fastidiosa* | C        |
| 54| *Vitis aestivalis*             | *Xf subsp. fastidiosa* | C        |
| 55| *Vitis arizonica*              | *Xf subsp. fastidiosa* | C        |
| 56| *Vitis arizonica/candicans*    | *Xf subsp. fastidiosa* | C        |
| 57| *Vitis berlandieri*            | *Xf subsp. fastidiosa* | C        |
| 58| *Vitis californica*            | *Xf subsp. fastidiosa* | C        |
| N  | Plant species            | Pest               | Category |
|----|--------------------------|--------------------|----------|
| 59 | Vitis candicans          | Xf subsp.fastidiosa| C        |
| 60 | Vitis champinii × (V. solonis × V. othello) | Xf subsp.fastidiosa| C        |
| 61 | Vitis cinerea            | Xf subsp.fastidiosa| C        |
| 62 | Vitis girdiana           | Xf subsp.fastidiosa| C        |
| 63 | Vitis labrusca           | Xf subsp.fastidiosa| C        |
| 64 | Vitis monticola          | Xf subsp.fastidiosa| C        |
| 65 | Vitis riparia            | Xf subsp.fastidiosa| C        |
| 66 | Vitis rupestris          | Xf subsp.fastidiosa| C        |
| 67 | Vitis tiliaefolia        | Xf subsp.fastidiosa| C        |
| 68 | Vitis treleasei          | Xf subsp.fastidiosa| C        |
| 69 | Vitis vinifera hybrid    | Xf subsp.fastidiosa| C        |
| 70 | Vitis vulpina            | Xf subsp.fastidiosa| C        |
| 71 | Vitis nesbittiana        | Xf subsp.fastidiosa| C        |
| 72 | Vitis shuttleworthii     | Xf subsp.fastidiosa| C        |
| 73 | Liquidambar styraciflua  | Xf subsp.fastidiosa| E        |

| N  | Plant species            | Pest               | Category |
|----|--------------------------|--------------------|----------|
| 1  | Acer rubrum              | Xf subsp.multplex  | A        |
| 2  | Ambrosia artemisiifolia  | Xf subsp.multplex  | A        |
| 3  | Carya illinoinensis      | Xf subsp.multplex  | A        |
| 4  | Liquidambar styraciflua  | Xf subsp.multplex  | A        |
| 5  | Medicago sativa         | Xf subsp.multplex  | A        |
| 6  | Nicotiana tabacum        | Xf subsp.multplex  | A        |
| 7  | Olea europaea            | Xf subsp.multplex  | A        |
| 8  | Pistacia vera            | Xf subsp.multplex  | A        |
| 9  | Platanus occidentalis    | Xf subsp.multplex  | A        |
| 10 | Polygala myrtifolia      | Xf subsp.multplex  | A        |
| 11 | Prunus cerasifera        | Xf subsp.multplex  | A        |
| 12 | Prunus dulcis            | Xf subsp.multplex  | A        |
| 13 | Prunus persica           | Xf subsp.multplex  | A        |
| 14 | Prunus sp.               | Xf subsp.multplex  | A        |
| 15 | Quercus falcata          | Xf subsp.multplex  | A        |
| 16 | Rubus fruticosus         | Xf subsp.multplex  | A        |
| 17 | Rubus ursinus            | Xf subsp.multplex  | A        |
| 18 | Vaccinium corymbosum     | Xf subsp.multplex  | A        |
| 19 | Vitis vinifera           | Xf subsp.multplex  | A        |
| 20 | Catharanthus roseus      | Xf subsp.multplex  | C        |
| 21 | Prunus persica × P. webbii| Xf subsp.multplex| C        |
| 22 | Prunus webbii            | Xf subsp.multplex  | C        |
| 23 | Vaccinium sp.            | Xf subsp.multplex  | E        |

| N  | Plant species            | Pest               | Category |
|----|--------------------------|--------------------|----------|
| 1  | Bidens pilosa            | Xf subsp.pauca     | A        |
| 2  | Brachiaria decumbens     | Xf subsp.pauca     | A        |
| 3  | Brachiaria plantaginea   | Xf subsp.pauca     | A        |
| 4  | Catharanthus roseus      | Xf subsp.pauca     | A        |
| 5  | Citrus reticulata        | Xf subsp.pauca     | A        |
| 6  | Citrus sinensis          | Xf subsp.pauca     | A        |
| 7  | Citrus sp.               | Xf subsp.pauca     | A        |
| 8  | Citrus × nobilis         | Xf subsp.pauca     | A        |
| 9  | Coffea arabica           | Xf subsp.pauca     | A        |
| N | Plant species                  | Pest         | Category |
|---|--------------------------------|--------------|----------|
| 10| Coffea sp.                     | Xf subsp.pauc | A        |
| 11| Echinochloa crus-galli         | Xf subsp.pauc | A        |
| 12| Medicago sativa                | Xf subsp.pauc | A        |
| 13| Nerium oleander                | Xf subsp.pauc | A        |
| 14| Nicotiana clevelandii          | Xf subsp.pauc | A        |
| 15| Nicotiana tabacum              | Xf subsp.pauc | A        |
| 16| Ocimum basilicum               | Xf subsp.pauc | A        |
| 17| Olea europaea                  | Xf subsp.pauc | A        |
| 18| Polygala myrtifolia            | Xf subsp.pauc | A        |
| 19| Solanum americanum             | Xf subsp.pauc | A        |
| 20| Arabidopsis thaliana           | Xf subsp.pauc | B        |
| 21| Chenopodium album              | Xf subsp.pauc | C        |
| 22| Digitaria horizontalis         | Xf subsp.pauc | C        |
| 23| Periwinkle (common name)       | Xf subsp.pauc | C        |
| 24| Prunus avium                   | Xf subsp.pauc | C        |
| 25| Prunus dulcis                  | Xf subsp.pauc | C        |
| 26| Salvia rosmarinus              | Xf subsp.pauc | C        |

| N | Plant species                  | Pest         | Category |
|---|--------------------------------|--------------|----------|
| 1  | Morus alba                      | Xf subsp.morus | A        |
| 2  | Nerium oleander                 | Xf subsp.morus | A        |

| N | Plant species                  | Pest         | Category |
|---|--------------------------------|--------------|----------|
| 1  | Catharanthus roseus             | Xf subsp.sandy | A        |
| 2  | Medicago sativa                 | Xf subsp.sandy | A        |
| 3  | Nerium oleander                 | Xf subsp.sandy | A        |
| 4  | Prunus dulcis                   | Xf subsp.sandy | A        |
| 5  | Vinca major                     | Xf subsp.sandy | A        |
| 6  | Nicotiana tabacum               | Xf subsp.sandy | C        |

| N | Plant species                  | Pest         | Category |
|---|--------------------------------|--------------|----------|
| 1  | Nicotiana benthamiana          | Xf subsp.tashke | C        |
Appendix C – Host plant species infected in unspecified conditions

List of host plant species, infected in conditions not specified (i.e. the kind of infection (natural or artificial) was not specified in the reference), of \textit{X. fastidiosa} subsp. unknown (i.e. not reported in the publication), subsp. \textit{fastidiosa}, subsp. \textit{multiplex}, subsp. \textit{pauca} and subsp. \textit{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  | Ampelopsis arborea        | \textit{Xf} subsp.unknown | A        |
| 2  | Catharanthus roseus       | \textit{Xf} subsp.unknown | A        |
| 3  | Catharanthus sp.          | \textit{Xf} subsp.unknown | A        |
| 4  | Citrus jambhiri           | \textit{Xf} subsp.unknown | A        |
| 5  | Citrus sinensis           | \textit{Xf} subsp.unknown | A        |
| 6  | Coffea arabica            | \textit{Xf} subsp.unknown | A        |
| 7  | Hibiscus schizopetalus    | \textit{Xf} subsp.unknown | A        |
| 8  | Morus nigra               | \textit{Xf} subsp.unknown | A        |
| 9  | Nerium oleander           | \textit{Xf} subsp.unknown | A        |
| 10 | Prunus persica            | \textit{Xf} subsp.unknown | A        |
| 11 | Prunus sp.                | \textit{Xf} subsp.unknown | A        |
| 12 | Sambucus canadensis       | \textit{Xf} subsp.unknown | A        |
| 13 | Vitis munsoniana          | \textit{Xf} subsp.unknown | A        |
| 14 | Vitis rotundifolia        | \textit{Xf} subsp.unknown | A        |
| 15 | Vitis sp.                 | \textit{Xf} subsp.unknown | A        |
| 16 | Vitis vinifera            | \textit{Xf} subsp.unknown | A        |
| 17 | Ambrosia sp.              | \textit{Xf} subsp.unknown | B        |
| 18 | Periwinkle (common name)  | \textit{Xf} subsp.unknown | B        |
| 19 | Acer sp.                  | \textit{Xf} subsp.unknown | C        |
| 20 | Carya illinoinsensis      | \textit{Xf} subsp.unknown | C        |
| 21 | Citrus sp.                | \textit{Xf} subsp.unknown | C        |
| 22 | Prunus dulcis             | \textit{Xf} subsp.unknown | C        |
| 23 | Prunus salicina           | \textit{Xf} subsp.unknown | C        |
| 24 | Pyrus sp.                 | \textit{Xf} subsp.unknown | C        |
| 25 | Teline monspessulana      | \textit{Xf} subsp.unknown | C        |
| 26 | Vaccinium darrowii        | \textit{Xf} subsp.unknown | C        |
| 27 | Vaccinium sp.             | \textit{Xf} subsp.unknown | C        |
| N | Plant species          | Pest               | Category |
|---|------------------------|--------------------|----------|
| 28| Prunus angustifolia    | Xf subsp.unknown  | D        |
| 29| Vitis labrusca         | Xf subsp.unknown  | D        |
| 30| Morus sp.              | Xf subsp.unknown  | E        |
| 31| Nicotiana tabacum      | Xf subsp.unknown  | E        |
|   |                        |                    |          |
| N | Plant species          | Pest               | Category |
|---|------------------------|--------------------|----------|
| 1 | Ambrosia artemisiifolia| Xf subsp.fastidiosa| A        |
| 2 | Lupinus sp.            | Xf subsp.fastidiosa| A        |
| 3 | Prunus dulcis          | Xf subsp.fastidiosa| A        |
| 4 | Sambucus sp.           | Xf subsp.fastidiosa| A        |
| 5 | Vitis rotundifolia     | Xf subsp.fastidiosa| A        |
| 6 | Vitis sp.              | Xf subsp.fastidiosa| A        |
| 7 | Vitis vinifera         | Xf subsp.fastidiosa| A        |
|   |                        |                    |          |
| N | Plant species          | Pest               | Category |
|---|------------------------|--------------------|----------|
| 1 | Ambrosia trifida       | Xf subsp.multiplex | A        |
| 2 | Morus sp.              | Xf subsp.multiplex | A        |
| 3 | Platanus sp.           | Xf subsp.multiplex | A        |
| 4 | Prunus cerasifera      | Xf subsp.multiplex | A        |
| 5 | Prunus domestica       | Xf subsp.multiplex | A        |
| 6 | Prunus dulcis          | Xf subsp.multiplex | A        |
| 7 | Prunus salicina        | Xf subsp.multiplex | A        |
| 8 | Quercus sp.            | Xf subsp.multiplex | A        |
| 9 | Rubus fruticosus       | Xf subsp.multiplex | A        |
|10 | Rubus sp.              | Xf subsp.multiplex | A        |
|11 | Vaccinium corymbosum   | Xf subsp.multiplex | A        |
|12 | Vaccinium corymbosum × | V. angustifolium hybrid | Xf subsp.multiplex | A |
|13 | Vinca sp.              | Xf subsp.multiplex | A        |
|14 | Liquidambar styraciflua| Xf subsp.multiplex | C        |
|15 | Quercus laevis         | Xf subsp.multiplex | C        |
|16 | Quercus rubra          | Xf subsp.multiplex | C        |
|   |                        |                    |          |
| N | Plant species          | Pest               | Category |
|---|------------------------|--------------------|----------|
| 1 | Citrus sinensis        | Xf subsp.pauca     | A        |
| 2 | Citrus sp.             | Xf subsp.pauca     | A        |
| 3 | Coffea sp.             | Xf subsp.pauca     | A        |
| 4 | Hibiscus fragilis      | Xf subsp.pauca     | A        |
| 5 | Hibiscus sp.           | Xf subsp.pauca     | A        |
| 6 | Nerium oleander        | Xf subsp.pauca     | A        |
| 7 | Prunus domestica       | Xf subsp.pauca     | A        |
| 8 | Prunus sp.             | Xf subsp.pauca     | A        |
|   |                        |                    |          |
| N | Plant species          | Pest               | Category |
|---|------------------------|--------------------|----------|
| 1 | Coffea arabica         | Xf subsp.sandyi    | A        |
| 2 | Nerium oleander        | Xf subsp.sandyi    | C        |
Appendix D – *Xylella fastidiosa* Multilocus Sequence Types

Number of records for each plant species natural, artificial and infected in not specified conditions by different multilocus sequence types (STs). The records for natural infection are divided per country. In general, the subspecies and the STs are reported as in the publication. If the subspecies and/or the STs are inferred from another publication or obtained from personal communication of the author of the publication, a note is added in the genotyping comment column of the Excel file available in Zenodo in the EFSA Knowledge Junction community (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).

| *X. fastidiosa* subspecies/sequence type | Natural Infection | Artificial Infection | Infection not specified | Grand Total |
|----------------------------------------|------------------|----------------------|-------------------------|-------------|
|                                        | AR   | BR   | CR   | EC   | FR   | IT   | MX   | PT   | ES   | US   | Unknown | Total | Total | Total |          |
| fastidiosa                             |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 357 |
| ST1                                    | 22   | 4    | 47   | 120  |      |      |      |      |      |      |         | 193   | 155   | 9     | 304 |
| Acer sp.                               |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Amaranthus blitoides                   |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Ambrosia acanthicarpa                  |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Calicotome spinosa                     |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Catharanthus roseus                    |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Cercis occidentalis                    |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Chenopodium quinoa                     |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Cistus monspeliensis                   |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Citrus sinensis                        |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Conium maculatum                       |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Convolvulus arvensis                   |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Cyperus esculentus                     |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Datura wrightii                        |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Echinochloa crus-galli                 |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Erigeron canadensis                    |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Eriochloa gracilis                     |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Erodium moschatum                      |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Eucalyptus camaldulesis                |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Eucalyptus globulus                    |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 1 |
| Genista lucida                         |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 2 |
| Helianthus annuus                      |      |      |      |      |      |      |      |      |      |      |         |       |       |       | 3 |

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| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|--------------------------------------|-------------------|-----------------------------|-------------------------------|------------|
|                                      | AR    | BR    | CR    | EC    | FR    | HN    | IT    | MX    | PT    | ES    | US    | Unknown | Total |
| X. fastidiosa                        |       |       |       |       |       |       |       |       |       |       |       |         |       |
|                                      |       |       |       |       |       |       |       |       |       |       |       |         |       |
| Ipomoea purpurea                     |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Juglans regia                        |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Lactuca serriola                     | 2     |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Malva parviflora                     |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Medicago sativa                      |       |       |       | 3     | 3     |       |       |       |       |       |       |         | 14     |
| Metrosideros sp.                     | 1     |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Nicotiana glauca                     |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Nicotiana tabacum                    |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Olea europaea                         |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Pluchea odorata                      |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Polygala myrtifolia                  | 3     |       |       |       |       |       |       |       |       |       |       |         | 3      |
| Portulaca oleracea                    |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Prunus avium                         | 8     | 2     |       |       |       |       |       |       |       |       |       |         | 10     |
| Prunus dulcis                         | 10    | 22    | 32    | 30    | 1     |       |       |       |       |       |       |         | 63     |
| Rhamnus alaternus                    | 2     |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Rubus ursinus                        |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Rumex crispus                        |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Ruta chalepensis                     | 1     |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Sambucus canadensis                  | 2     |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Sambucus sp.                         | 1     |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Simmondsia chinensis                 |       |       |       |       |       |       |       |       |       |       |       |         | 2      |
| Solanum lycopersicum                 |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Solanum melongena                    |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Sonchus oleraceus                    |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Sorghum halepense                    |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Spartium junceum                     |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Teucrium capitatum                   | 1     |       |       |       |       |       |       |       |       |       |       |         | 1      |
| Vaccinium corymbosum                 | 2     | 2     | 2     |       |       |       |       |       |       |       |       |         | 4      |
| Vaccinium sp.                        |       |       |       |       |       |       |       |       |       |       |       |         | 5      |
| Vicia faba                           |       |       |       |       |       |       |       |       |       |       |       |         | 1      |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|---------------------------------------|------------------|----------------------------|-------------------------------|-------------|
|                                       | AR   | BR   | CR   | EC  | FR  | HN  | IT  | MX  | PT  | ES  | US  | Unknown | Total |
| Vicia sativa                          | 2    | 2    |      |     |     |     |     |     |     |     |     |          | 1     |
| Vitis aestivalis                      |      |      |      |     |     |     |     |     |     |     |     |          | 2     |
| Vitis girldiana                       | 1    |      | 1    |     |     |     |     |     |     |     |     |          | 1     |
| Vitis sp.                             | 2    | 31   | 33   |     |     |     |     |     |     |     |     |          | 1     |
| Vitis vinifera                        | 1    | 14   | 26   |     |     |     |     |     |     |     |     |          | 4     |
| Vitis vinifera hybrid                 |      |      |      |     |     |     |     |     |     |     |     |          | 4     |
| Xanthium strumarium                   |      |      |      |     |     |     |     |     |     |     |     |          | 3     |
| ST17                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Coffea arabica                        |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST18                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Vitis sp.                             | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST19                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Coffea arabica                        |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST2                                   | 17   | 17   |      |     |     |     |     |     |     |     |     |          | 7     |
| Ambrosia artemisiifolia               |      |      |      |     |     |     |     |     |     |     |     |          | 2     |
| Coffea sp.                            | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Vitis hybrids                         |      |      |      |     |     |     |     |     |     |     |     |          | 2     |
| Vitis rotundifolia                    |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Vitis sp.                             | 5    | 5    | 5    |     |     |     |     |     |     |     |     |          | 5     |
| Vitis vinifera                        |      |      |      |     |     |     |     |     |     |     |     |          | 5     |
| ST20                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Coffea arabica                        | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST21                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Coffea arabica                        | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST3                                   |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Lupinus aridorum                      | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST33                                  | 1    |      |      |     |     |     |     |     |     |     |     |          | 1     |
| Coffea arabica                        |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| ST4                                   | 4    | 4    |      |     |     |     |     |     |     |     |     |          | 5     |
| Medicago sativa                       |      |      |      |     |     |     |     |     |     |     |     |          | 1     |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|---------------------------------------|-------------------|---------------------------|-----------------------------|-------------|
|                                       | AR    | BR    | CR    | EC    | FR    | HN    | IT    | MX    | PT    | ES    | US    | Unknown | Total | Unknown | Total | Unknown | Total | Unknown | Total | Unknown | Total |
| Vitis sp.                             |       |       |       |       |       |       |       |       |       |       |       | 4       | 4     | 4       | 4     |
| ST47                                  | 2     |       |       |       |       |       |       |       |       |       |       | 2       | 2     | 2       | 2     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Vitis sp.                             | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST52                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST54                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST55                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST56                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST57                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST59                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Vitis vinifera                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST60                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Vitis vinifera                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST61                                  | 3     |       |       |       |       |       |       |       |       |       |       | 3       | 3     | 3       | 3     |
| Citrus sinensis                       | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 2     |       |       |       |       |       |       |       |       |       |       | 2       | 2     | 2       | 2     |
| ST72                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST75                                  |       |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea canephora                      |       |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| ST76                                  | 2     |       |       |       |       |       |       |       |       |       |       | 2       | 2     | 2       | 2     |
| Coffea arabica                        | 2     |       |       |       |       |       |       |       |       |       |       | 2       | 2     | 2       | 2     |
| ST77                                  | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| Coffea arabica                        | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1     |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|--------------------------------------|------------------|----------------------------|-------------------------------|-------------|
| **fastidiosa/sandyi**                |                  |                            |                               |             |
| ST72                                 | 3                | 1                          | 4                            | 4           |
| Coffea arabica                       | 2                |                            | 2                             | 2           |
| ST75                                 |                  | 1                          | 1                            | 1           |
| Coffea canephora                     | 2                |                            | 2                             | 2           |
| ST76                                 |                  | 1                          | 1                            | 1           |
| Coffea arabica                       | 1                |                            | 1                             | 1           |
| **morus**                            |                  |                            |                               |             |
| ST29                                 |                  | 9                          | 9                             | 9           |
| Morus alba                           | 3                |                            | 3                             | 3           |
| Morus rubra                          | 4                |                            | 4                             | 4           |
| Morus sp.                            | 2                |                            | 2                             | 2           |
| ST30                                 |                  | 5                          | 5                             | 5           |
| Morus alba                           | 4                |                            | 4                             | 4           |
| Nandina domestica                    | 1                |                            | 1                             | 1           |
| ST31                                 |                  | 6                          | 6                             | 6           |
| Morus sp.                            | 6                |                            | 6                             | 6           |
| ST62                                 |                  | 4                          | 4                             | 4           |
| Morus alba                           | 4                |                            | 4                             | 4           |
| **multiplex**                        |                  |                            |                               |             |
| ST10                                 |                  | 8                          | 8                             | 8           |
| Prunus domestica                     | 3                |                            | 3                             | 3           |
| Prunus persica                       | 3                |                            | 3                             | 3           |
| Prunus sp.                           | 2                |                            | 2                             | 2           |
| ST15                                 |                  | 3                          | 3                             | 3           |
| Prunus cerasifera                    | 3                |                            | 3                             | 3           |
| ST22                                 |                  | 3                          | 3                             | 3           |
| Ambrosia psilostachya                | 1                |                            | 1                             | 1           |
| Ambrosia trifida                     | 2                |                            | 2                             | 2           |
| ST23                                 |                  | 12                         | 12                            | 12          |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection | Infection not specified | Grand Total |
|--------------------------------------|------------------|---------------------|------------------------|-------------|
|                                      | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total | Total | Total | Total | Total |
| Acer rubrum                          | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Ambrosia trifida                     | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Helianthus sp.                       | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3        | 3     |       |       |       |       |
| Iva annua                            | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Quercus rubra                        | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Ratibida columnifera                 | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Solidago virgaurea                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| **ST24**                             | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 5        | 5     |       |       |       |       |
| Cercis occidentalis                  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3        | 3     |       |       |       |       |
| Liquidambar styraciflua              | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Prunus dulcis                        | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Ulmus crassifolia                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| **ST25**                             | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4        | 4     |       |       |       |       |
| Encelia farinosa                    | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4        | 4     |       |       |       |       |
| **ST26**                             | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Alnus rhombifolia                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus cerasifera                   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |
| Prunus domestica                    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus dulcis                       | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus persica                      | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8        | 8     |       |       |       |       |
| Rubus fruticosus                    | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8        | 8     |       |       |       |       |
| **ST27**                             | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6        | 6     |       |       |       |       |
| Ginkgo biloba                       | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Lagerstroemia sp.                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus cerasifera                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus dulcis                       | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| Prunus sp.                          | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1        | 1     |       |       |       |       |
| **ST28**                             | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4        | 4     |       |       |       |       |
| Ambrosia trifida                    | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2        | 2     |       |       |       |       |

Xylella spp. host plant database - systematic literature search up to 31 December 2020
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|--------------------------------------|------------------|---------------------------|-------------------------------|------------|
|                                      | AR   | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |
| Helianthus sp.                       | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Iva annua                            | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST32                                | 2    |    |    |    |    |    |    |    |    |    |    | 1       | 3     |
| Rubus fruticosus                     | 2    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Rubus sp.                            | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST34                                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Prunus cerasifera                    | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST35                                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Xanthium strumarium                  | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST36                                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 2     |
| Prunus cerasifera                    | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST37                                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Lupinus aridorum                     | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Lupinus villosus                     | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST38                                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Platanus occidentalis                | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST39                                | 6    |    |    |    |    |    |    |    |    |    |    | 6       | 6     |
| Koelreuteria bipinnata               | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Liquidambar styraciflua              | 4    |    |    |    |    |    |    |    |    |    |    | 4       | 4     |
| Prunus sp.                           | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST40                                | 4    |    |    |    |    |    |    |    |    |    |    | 4       | 1     |
| Prunus cerasifera                    | 3    |    |    |    |    |    |    |    |    |    |    | 3       | 4     |
| Sambucus sp.                         | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| ST41                                | 6    |    |    |    |    |    |    |    |    |    |    | 6       | 2     |
| Prunus domestica                     | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Prunus salicina                      | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 2     |
| Prunus sp.                           | 2    |    |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Ulmus americana                      | 2    |    |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Ulmus sp.                            | 1    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
### X. fastidiosa Subspecies/Sequence Type

|                      | Natural Infection | Artifical Infection | Infection not specified | Grand Total |
|----------------------|-------------------|---------------------|-------------------------|-------------|
|                      | AR    | BR    | CR    | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |            | Total | Grand Total |
| **ST42**             |       |       |       |    |    |    |    |    |    |    |    |         | 16    | 3          | 19    |             |
| Ambrosia trifida     | 2     | 2     |       |    |    |    |    |    |    |    |    |         |       | 3          |       |             |
| Sapindus saponaria   | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Vaccinium ashei      | 6     | 6     |       |    |    |    |    |    |    |    |    |         |       | 6          |       |             |
| Vaccinium corymbosum | 2     | 2     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Vaccinium corymbosum × V. angustifolium hybrid | | | | | | | | | | | | | | | |
| Vaccinium sp.        | 5     | 5     |       |    |    |    |    |    |    |    |    |         |       | 5          |       |             |
| **ST43**             |       |       |       |    |    |    |    |    |    |    |    |         | 2     | 7          |       |             |
| Vaccinium corymbosum |       |       |       |    |    |    |    |    |    |    |    |         | 1     | 1          |       |             |
| Vaccinium corymbosum × V. angustifolium hybrid | | | | | | | | | | | | | | | |
| Vaccinium sp.        | 5     | 5     |       |    |    |    |    |    |    |    |    |         |       | 5          |       |             |
| **ST44**             |       |       |       |    |    |    |    |    |    |    |    |         | 2     | 2          |       |             |
| Quercus palustris    | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Quercus rubra        | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| **ST45**             |       |       |       |    |    |    |    |    |    |    |    |         | 6     | 6          |       |             |
| Acer griseum         | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Ampelopsis cordata   | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Cercis canadensis    | 3     | 3     |       |    |    |    |    |    |    |    |    |         |       | 3          |       |             |
| Gleditsia triacanthos| 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| **ST46**             |       |       |       |    |    |    |    |    |    |    |    |         | 3     | 3          |       |             |
| Celtis occidentalis  | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Chionanthus sp.      | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| Prunus armeniaca     | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| **ST48**             |       |       |       |    |    |    |    |    |    |    |    |         | 1     | 1          |       |             |
| Sapindus saponaria   | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| **ST49**             |       |       |       |    |    |    |    |    |    |    |    |         | 1     | 1          |       |             |
| Prunus sp.           | 1     | 1     |       |    |    |    |    |    |    |    |    |         |       | 1          |       |             |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection not specified | Infection not specified Total | Grand Total |
|---------------------------------------|-------------------|-----------------------------------|-----------------------------|-------------|
|                                      | AR  | BR  | CR  | EC  | FR  | HN  | IT  | MX  | PT  | ES  | US  | Unknown | Total |                      |                          |                      |
| ST50                                 | 2   |     |     |     | 2   |     |     |     |     |     |     |         | 2     |                      |                          |                      |
| Fraxinus americana                    |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Fraxinus sp.                          |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| ST51                                 | 3   |     |     |     |     |     |     |     |     |     |     | 1       | 4     |                      |                          |                      |
| Periwinkle (common name)              |     |     |     |     |     |     |     |     |     |     |     | 1       |       |                      |                          |                      |
| Vinca sp.                            |     |     |     |     |     |     |     |     |     |     |     | 2       | 3     |                      |                          |                      |
| ST58                                 |     |     |     |     |     |     |     |     |     |     |     | 1       | 2     |                      |                          |                      |
| Ambrosia trifida                      |     |     |     |     |     |     |     |     |     |     |     | 1       | 2     |                      |                          |                      |
| ST6                                  | 8   |     |     |     |     |     |     |     |     |     |     | 12      | 91    |                      |                          |                      |
| Acacia saligna                        |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Asparagus acutifolius                 |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Calicotome spinosa                    |     |     |     |     |     |     |     |     |     |     |     | 2       | 2     |                      |                          |                      |
| Catharanthus roseus                   |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Cistus albidus                        |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Cistus salviifolius                   |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Helichrysum italicum                 |     |     |     |     | 6   |     |     |     |     |     |     | 6       | 6     |                      |                          |                      |
| Helichrysum stoechas                  |     |     |     |     |     |     |     |     |     | 2   |     | 2       | 2     |                      |                          |                      |
| Laurus nobilis                       |     |     |     |     |     |     |     |     |     |     | 1   | 1       | 1     |                      |                          |                      |
| Lavandula angustifolia               |     |     |     |     |     |     |     | 1   |     |     |     | 1       | 1     |                      |                          |                      |
| Lavandula dentata                    |     |     |     |     |     |     | 2   |     |     |     |     | 2       | 2     |                      |                          |                      |
| Lavandula latifolia                  |     |     |     |     |     |     |     | 1   |     |     |     | 1       | 1     |                      |                          |                      |
| Medicago sativa                      |     |     |     |     |     |     |     |     |     |     | 4   | 4       |        |                      |                          |                      |
| Nicotiana tabacum                    |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Olea europaea                         |     |     |     |     |     |     |     |     |     |     | 1   | 1       | 2     |                      |                          |                      |
| Phagnalon saxatile                    |     |     |     |     | 2   |     |     |     |     |     |     | 2       | 2     |                      |                          |                      |
| Polygala myrtifolia                   |     |     |     |     | 2   |     |     |     |     |     |     | 2       | 2     |                      |                          |                      |
| Prunus armeniaca                      |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |
| Prunus cerasifera                     |     |     |     |     |     |     |     |     |     |     |     | 2       | 2     |                      |                          |                      |
| Prunus domestica                      |     |     |     |     |     |     |     |     |     |     |     | 1       | 1     |                      |                          |                      |

Xylella spp. host plant database - systematic literature search up to 31 December 2020

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| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection | Infection not specified | Grand Total |
|---------------------------------------|------------------|----------------------|-------------------------|-------------|
|                                       | AR   | BR   | CR   | EC   | FR   | HN   | IT   | MX   | PT   | ES   | US   | Unknown | Total | Total | Total | Total |
| Prunus dulcis                         |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Rhamnus alaternus                     |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Rubus ursinus                         |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Salvia rosmarinus                     |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Spartium junceum                      |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Vitis vinifera                        |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| ST6 and ST7                           |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cistus monspeliensis                  |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| ST6 and/or ST7                        | 76   |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Acacia dealbata                       |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Acer pseudoplatanus                   |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Anthyllis hermanniae                  |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Artemisia arborescens                 |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Asparagus acutifolius                 |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Calicotome villosa                    |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cercis siliquastrum                   |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cistus creticus                       |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cistus monspeliensis                  |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cistus salvifolius                    |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Coronilla valentina                   |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cytisus scoparius                     |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cytisus sp.                           |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Cytisus villosus                      |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Euryops chrysanthemoides              |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Genista corsica                       |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Genista ephedroides                   |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Genista × spachiana                   |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Hebe sp.                              |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Helichrysum italicum                  |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
| Lavandula angustifolia                |      |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
### X. fastidiosa subspecies/sequence type

| Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|-------------------|---------------------------|-----------------------------|-------------|
|                   | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |                  |                  |             |
| Lavandula dentata | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Lavandula sp.     | 3  |    |    |    |    |    | 3  |    |    |    |    |    | 3        | 3     |                  |                  |             |
| Lavandula stoechas| 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Lavandula × heterophylla | 2 |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Lavandula × intermedia | 3 |    |    |    |    |    | 3  |    |    |    |    |    | 3        | 3     |                  |                  |             |
| Medicago sativa   | 1  |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |
| Metrosideros excelsa | 2 |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Myrtus communis   | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Pelargonium graveolens | 2 |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Pelargonium sp.   | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Phagnalon saxatile | 1  |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |
| Polygala myrtifolia | 7  |    |    |    |    |    | 7  |    |    |    |    |    | 7        | 7     |                  |                  |             |
| Polygala sp.      | 1  |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |
| Prunus cerasifera  | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Prunus dulcis     | 1  |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |
| Quercus suber     | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Rosa canina       | 1  |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |
| Salvia rosmarinus | 2  |    |    |    |    |    | 2  |    |    |    |    |    | 2        | 2     |                  |                  |             |
| Spartium junceum  | 3  |    |    |    |    |    | 3  |    |    |    |    |    | 3        | 3     |                  |                  |             |
| Westringia fruticosa | 1 |    |    |    |    |    | 1  |    |    |    |    |    | 1        | 1     |                  |                  |             |

**ST63**
- Prunus domestica | 1 | 1 | 1

**ST67**
- Prunus domestica | 1 | 1 | 1

**ST7**
- Acacia longifolia | 2 | 2 | 2
- Acacia melanoxylon | 1 | 1 | 1
- Adenocarpus lainzii | 1 | 1 | 1
- Artemisia arborescens | 2 | 2 | 2
- Artemisia sp. | 2 | 2 | 2
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|--------------------------------------|------------------|---------------------------|-----------------------------|-------------|
|                                      | AR   | BR  | CR  | EC  | FR  | HN  | IT  | MX  | PT  | ES  | US  | Unknown | Total |
| Asparagus acutifolius                | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Athyrium filix-femina               | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Calluna vulgaris                    | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Catharanthus roseus                 | 1    |     | 1   |     |     |     |     |     |     |     |     |         | 1      |
| Cistus inflatus                     | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Cistus salviifolius                 | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Coprosma repens                    | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Cytisus scoparius                   | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Dodonaea viscosa                    | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Echium plantagineum                 | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Erigeron canadensis                 | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Erodium moschatum                   | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Frangula alnus                      | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Genista tridentata                  | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Hebe sp.                            | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Hibiscus syriacus                   | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Ilex aquifolium                     | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Laurus nobilis                      | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Lavandula angustifolia              | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Lavandula dentata                   | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Lavandula sp.                       | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Lavandula stoechas                  | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Lavatera cretica                    | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Magnolia grandiflora                | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Medicago sativa                     | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Medicago sativa                     | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Metrosideros excelsa                | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Metrosideros excelsa                | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
| Myrtus communis                     | 2    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Nerium oleander                     | 1    |     |     |     |     |     |     |     |     |     |     |         | 2      |
| Nicotiana tabacum                   | 1    |     |     |     |     |     |     |     |     |     |     |         | 1      |
### X. fastidiosa subspecies/sequence type

| Natural Infection |     | ART | BRA | CRO | ECU | FRA | ITA | MEX | PRT | EUS | USA | Unknown | Total | Artificial infection | Infection not specified | Grand Total |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|---------------------|--------------------------|------------|
| Olea europaea     |     | 1   | 7   |     |     |     |     |     |     |     |     |       | 8     | 4      |                     | 12                       |            |
| Olea sp.          |     |     | 1   |     |     |     |     |     |     |     |     |       | 1     |                     | 1                        |            |
| Pelargonium graveolens |     | 1   |     |     |     |     |     |     |     |     |     |       | 1     |                     | 1                        |            |
| Plantago lanceolata |   | 1   |     |     |     |     |     |     |     |     |     |       | 1     |                     | 1                        |            |
| Polygala myrtifolia |   | 4   | 2   |     |     |     |     |     |     |     |     | 1     | 6     | 1      |                     | 7                        |            |
| Prunus carasifera  |     |     |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Prunus dulcis      |     | 1   |     |     |     |     |     |     | 3   | 9   |     |       | 12    | 4      |                     | 16                       |            |
| Prunus persica     |     |     |     |     |     |     |     |     |     |     | 1   |       | 1     | 1      |                     | 1                        |            |
| Prunus sp.         |     |     |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Pteridium aquilinum |     | 1   |     |     |     |     |     |     |     |     | 1   |       | 1     | 1      |                     | 1                        |            |
| Quercus robur      |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Quercus rubra      |     |     |     |     |     |     |     |     | 2   |     | 2   | 2     | 2     | 1      |                     | 2                        |            |
| Quercus suber      |     | 2   |     |     |     |     |     |     |     |     |     | 2     | 2     |         |                     | 2                        |            |
| Rosa sp.           |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Rubus fruticosus   |     |     |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Salvia melifera    |     |     |     |     |     |     |     | 3   |     |     |     | 3     | 3     |         |                     | 3                        |            |
| Salvia officinalis |     | 1   |     |     |     |     |     |     |     |     | 1   |       | 1     | 1      |                     | 1                        |            |
| Salvia rosmarinus  |     | 2   |     |     |     |     |     |     |     |     | 2   |       | 2     | 2      |                     | 2                        |            |
| Sambucus nigra     |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Strelitzia reginae |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Ulex europaeus     |     | 2   |     |     |     |     |     |     |     | 2   |     | 2     | 2     |         |                     | 2                        |            |
| Ulex minor         |     | 2   |     |     |     |     |     |     | 2   |     | 2     | 2     |         |                     | 2                        |            |
| Ulex sp.           |     | 1   |     |     |     |     |     |     |     | 1   |     | 1     | 1     |         |                     | 1                        |            |
| Vinca major        |     | 2   |     |     |     |     |     |     |     | 2   |     | 2     | 2     |         |                     | 2                        |            |
| Vinca sp.          |     | 1   |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Vitis vinifera     |     |     |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| ST79               |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |
| Polygala myrtifolia|     | 13  |     |     |     |     |     |     |     |     |     | 13    | 13    |         |                     | 13                       |            |
| ST8                |     | 1   |     |     |     |     |     |     |     |     |     | 1     | 1     |         |                     | 1                        |            |

*Note: ART, BRA, CRO, ECU, FRA, ITA, MEX, PRT, EUS, USA, Unknown, Total, Artificial infection, Infection not specified, Grand Total.*
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|--------------------------------------|-------------------|---------------------------|-----------------------------|-------------|
|                                      | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |
| Carya illinoinensis                  | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Platanus occidentalis                | 7  | 7  |    |    |    |    |    |    |    |    |    | 7       | 7     |
| Platanus sp.                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Quercus palustris                    | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Ulmus americana                      | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| **ST81**                             | 51 | 1  | 52 | 1  |    |    |    |    |    |    |    | **53**  |        |
| Acacia sp.                           | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Cistus albidus                       | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Clematis cirrhosa                    | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Ficus carica                         | 6  | 6  |    |    |    |    |    |    |    |    |    | 6       | 6     |
| Fraxinus angustifolia                | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Lavandula angustifolia               | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Lavandula dentata                   | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Olea europaea                        | 6  | 1  | 7  |    |    |    |    |    |    |    |    | 7       | 7     |
| Olea europaea subsp. sylvestris      | 4  | 4  |    |    |    |    |    |    |    |    |    | 4       | 4     |
| Phillyrea angustifolia               | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Polygala myrtifolia                 | 4  | 4  |    |    |    |    |    |    |    |    |    | 4       | 4     |
| Prunus domestica                     | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| Prunus dulcis                        | 11 | 11 | 1  |    |    |    |    |    |    |    |    | 12      |        |
| Rhamnus alaternus                    | 3  | 3  |    |    |    |    |    |    |    |    |    | 3       | 3     |
| Salvia rosmarinus                    | 4  | 4  |    |    |    |    |    |    |    |    |    | 4       | 4     |
| Santolina magonica                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| **ST82**                             |    | 2  | 2  |    |    |    |    |    |    |    |    | **2**   |        |
| Vaccinium ashei                      | 2  | 2  |    |    |    |    |    |    |    |    |    | 2       | 2     |
| **ST83**                             |    | 2  | 2  |    |    |    |    |    |    |    |    | **2**   |        |
| Vaccinium ashei                      |    | 2  | 2  |    |    |    |    |    |    |    |    | 2       | 2     |
| **ST87**                             | 54 | 54 | 54 |    |    |    |    |    |    |    |    | **54**  |        |
| Acacia dealbata                      | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Asparagus acutifolius                | 1  | 1  |    |    |    |    |    |    |    |    |    | 1       | 1     |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|---------------------------------------|------------------|-----------------------------|-------------------------------|-------------|
|                                       | AR   | BR  | CR  | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |
| Calicotome spinosa                    | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Calicotome villosa                    | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Cercis siliquastrum                   | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Cistus monspeliensis                  | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Cistus salviifolius                   | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Cistus sp.                            | 3    |     |     |    |    |    |    |    |    |    |    | 3       | 3     |
| Cytisus scoparius                     | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Elaeagnus angustifolia                | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Ficus carica                          | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Helichrysum italicum                 | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Helichrysum sp.                      | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Laurus nobilis                       | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Lavandula angustifolia                | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Lavandula dentata                    | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Lavandula sp.                         | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Lonicera implexa                     | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Myrtus communis                      | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Phagnalon saxatile                   | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Phillyrea latifolia                   | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Polygala myrtifolia                  | 6    |     |     |    |    |    |    |    |    |    |    | 6       | 6     |
| Prunus dulcis                         | 5    |     |     |    |    |    |    |    |    |    |    | 5       | 5     |
| Rhamnus alaternus                    | 3    |     |     |    |    |    |    |    |    |    |    | 3       | 3     |
| Salvia rosmarinus                    | 3    |     |     |    |    |    |    |    |    |    |    | 3       | 3     |
| Spartium junceum                     | 5    |     |     |    |    |    |    |    |    |    |    | 5       | 5     |
| ST9                                  | 28   | 28  |     |    |    |    |    |    |    |    |    | 2       | 30    |
| Quercus coccinea                     | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Quercus falcata                      | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 2     |
| Quercus laevis                       | 2    |     |     |    |    |    |    |    |    |    |    | 2       | 2     |
| Quercus nigra                        | 1    |     |     |    |    |    |    |    |    |    |    | 1       | 1     |
| Quercus palustris                    | 11   |     |     |    |    |    |    |    |    |    |    | 11      | 11    |
### X. fastidiosa subspecies/sequence type

|                      | Natural Infection | Artificial infection | Infection not specified | Grand Total |
|----------------------|-------------------|----------------------|--------------------------|-------------|
|                      | AR    | BR    | CR    | EC    | FR    | HN    | IT    | MX    | PT    | ES    | US    | Unknown | Total | Artificial infection Total | Infection not specified Total | Total |       |
| Quercus phellos      | 1     | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1               |       |       |
| Quercus robur        | 1     | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1               |       |       |
| Quercus rubra        | 5     | 5     |       |       |       |       |       |       |       |       |       |       | 5       | 5     | 5       | 5               |       |       |
| Quercus shumardii    | 1     | 1     |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 1               |       |       |
| Quercus sp.          | 3     | 3     |       |       |       |       |       |       |       |       |       |       | 3       | 3     | 3       | 3               |       |       |
| Rubus fruticosus     |       |       |       |       |       |       |       |       |       |       |       |       | 1       |       | 1       |             |       |       |
| **pauca**            | 6     | 126   | 8     | 4     | 4     | 332   | 16    | 3     |       |       |       |       | 499     | 186   | 23      | 708             |       |       |
| **ST11**             | 52    |       |       |       |       |       |       |       |       |       |       |       | 52      | 14    | 3       | 69              |       |       |
| Catharanthus roseus  |       |       |       |       |       |       |       |       |       |       |       |       | 2       | 2     |         |                 |       |       |
| Citrus sinensis      | 22    |       |       |       |       |       |       |       |       |       |       |       | 22      | 4     | 3       | 29              |       |       |
| Citrus sp.           | 29    |       |       |       |       |       |       |       |       |       |       |       | 29      |       |         |                 |       |       |
| Coffea arabica       |       |       |       |       |       |       |       |       |       |       |       |       | 4       | 4     |         |                 |       |       |
| Coffea sp.           | 1     |       |       |       |       |       |       |       |       |       |       |       | 1       |       | 1       | 1               |       |       |
| Nicotiana tabacum    |       |       |       |       |       |       |       |       |       |       |       |       | 4       | 4     | 4       | 4               |       |       |
| **ST12**             | 3     |       |       |       |       |       |       |       |       |       |       |       | 3       | 3     | 3       | 6               |       |       |
| Citrus sinensis      | 2     |       |       |       |       |       |       |       |       |       |       |       | 2       | 2     | 2       | 4               |       |       |
| Citrus sp.           | 1     |       |       |       |       |       |       |       |       |       |       |       | 1       | 1     | 1       | 2               |       |       |
| **ST13**             | 11    |       |       |       |       |       |       |       |       |       |       |       | 11      | 86    | 3       | 100             |       |       |
| Arabidopsis thaliana |       |       |       |       |       |       |       |       |       |       |       |       | 1       |       | 1       |                 |       |       |
| Bidens pilosa        |       |       |       |       |       |       |       |       |       |       |       |       | 3       |       | 3       |                 |       |       |
| Catharanthus roseus  |       |       |       |       |       |       |       |       |       |       |       |       | 14      |       | 14      |                 |       |       |
| Citrus reticulata    |       |       |       |       |       |       |       |       |       |       |       |       | 3       |       | 3       |                 |       |       |
| Citrus sinensis      | 5     |       |       |       |       |       |       |       |       |       |       |       | 5       | 20    | 3       | 28              |       |       |
| Citrus sp.           | 6     |       |       |       |       |       |       |       |       |       |       |       | 6       | 21    | 2       | 27              |       |       |
| Medicago sativa      |       |       |       |       |       |       |       |       |       |       |       |       | 3       |       | 3       |                 |       |       |
| Nicotiana clevelandii|       |       |       |       |       |       |       |       |       |       |       |       | 1       |       | 1       |                 |       |       |
| Nicotiana tabacum    |       |       |       |       |       |       |       |       |       |       |       |       | 12      |       | 12      |                 |       |       |
| Ocimum basilicum     |       |       |       |       |       |       |       |       |       |       |       |       | 3       |       | 3       |                 |       |       |
| Periwinkle (common name) |       |       |       |       |       |       |       |       |       |       |       |       | 1       |       | 1       |                 |       |       |

Xylella spp. host plant database - systematic literature search up to 31 December 2020

[www.efsa.europa.eu/efsajournal](http://www.efsa.europa.eu/efsajournal)
### X. fastidiosa subspecies/sequence type

| Host Plant          | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|---------|-------|
| **Solanum americanum** |    |    |    |    |    |    |    |    |    |    |    |         | 4     |
| ST14                | 8  |    |    |    |    |    |    |    |    |    |    |           | 4     |
| Coffea arabica      | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Coffea sp.          | 6  |    |    |    |    |    |    |    |    |    |    |           | 6     |
| Prunus domestica    | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Prunus sp.          | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| **ST16**            | 40 |    |    |    |    |    |    |    |    |    |    |           | 56    |
| Citrus sinensis     |    |    |    |    |    |    |    |    |    |    |    | 1       | 1     |
| Coffea arabica      | 2  |    |    |    |    |    |    |    |    |    |    |           | 7     |
| Coffea sp.          | 17 |    |    |    |    |    |    |    |    |    |    |           | 18    |
| Nicotiana tabacum   |    |    |    |    |    |    |    |    |    |    |    | 6       | 6     |
| Olea europaea       | 21 |    |    |    |    |    |    |    |    |    |    |           | 22    |
| **ST53**            | 7  | 4  | 332|    |    |    |    |    |    |    |    | 2       | 345   |
| Acacia saligna      | 3  |    |    |    |    |    |    |    |    |    |    |           | 3     |
| Amaranthus retroflexus | 3 |    |    |    |    |    |    |    |    |    |    |           | 3     |
| Asparagus acutifolius | 3 |    |    |    |    |    |    |    |    |    |    |           | 3     |
| Catharanthus roseus | 2  |    |    |    |    |    |    |    |    |    |    |           | 7     |
| Chenopodium album   | 5  |    |    |    |    |    |    |    |    |    |    |           | 6     |
| Cistus creticus     | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Coffea arabica      | 2  |    |    |    |    |    |    |    |    |    |    | 1       | 3     |
| Coffea sp.          | 1  |    |    |    |    |    |    |    |    |    |    | 1       | 2     |
| Dodonaea viscosa    | 2  |    |    |    |    |    |    |    |    |    |    |           | 2     |
| Eremophila maculata | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Erigeron bonariensis | 3 |    |    |    |    |    |    |    |    |    |    |           | 3     |
| Erigeron sp.        | 6  |    |    |    |    |    |    |    |    |    |    |           | 6     |
| Erigeron sumatrensis | 1 |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Euphorbia chamaesyce | 2 |    |    |    |    |    |    |    |    |    |    |           | 2     |
| Euphorbia terracina | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Grevillea juniperina| 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| Hebe sp.            | 1  |    |    |    |    |    |    |    |    |    |    |           | 1     |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection Total | Infection not specified Total | Grand Total |
|---------------------------------------|------------------|---------------------------|-------------------------------|------------|
|                                       | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |
| Heliotropium europaeum                | 3  |  |   |  |  |  |  |  |  |  |  |  | 3       |
| Laurus nobilis                       | 2  |  |   |  |  |  |  |  |  |  |  |  | 2       |
| Lavandula angustifolia               | 2  |  |   |  |  |  |  |  |  |  |  |  | 2       |
| Lavandula sp.                        | 1  |  |   |  |  |  |  |  |  |  |  |  | 1       |
| Lavandula stoechas                   | 1  |  |   |  |  |  |  |  |  |  |  |  | 1       |
| Medicago sativa                      |  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Myoporum insulare                    |  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Myrtus communis                      |  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Nerium oleander                      | 5  | 16 |     |  |  |  |  |  |  |  |  | 21 | 32 |
| Nicotiana tabacum                    |  |  |   |  |  |  |  |  |  |  |  | 4 | 4       |
| Olea europaea                         | 1  | 215 |     |  |  |  |  |  |  |  |  | 216 | 248 |
| Osteospermum fruticosum              | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Pelargonium fragrans                 | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Pelargonium sp.                      | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Periwinkle (common name)             | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Phillyrea latifolia                  | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Pistacia vera                        | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Polygala myrtifolia                  | 1  | 19 |     |  |  |  |  |  |  |  |  | 20 | 28 |
| Prunus avium                         | 8  |  |   |  |  |  |  |  |  |  |  | 8 | 11      |
| Prunus dulcis                        | 8  |  |   |  |  |  |  |  |  |  |  | 8 | 12      |
| Prunus persica                       | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Quercus ilex                         | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Rhamnus alaternus                    | 4  |  |   |  |  |  |  |  |  |  |  | 4 | 4       |
| Salvia rosmarinus                    | 3  |  |   |  |  |  |  |  |  |  |  | 3 | 3       |
| Spartium junceum                     | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Vinca minor                          | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| Westringia fruticosa                 | 4  |  |   |  |  |  |  |  |  |  |  | 4 | 4       |
| Westringia glabra                    | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| ST64                                 | 1  |  |   |  |  |  |  |  |  |  |  | 1 | 1       |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artiﬁcial infection Total | Infection not specified Total | Grand Total |
|---------------------------------------|------------------|----------------------------|-------------------------------|------------|
|                        | AR | BR | CR | EC | FR | HN | IT | MX | PT | ES | US | Unknown | Total |                      |                      |                      |                      |
| Citrus sinensis                        | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST65                                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 2        | 3     |                      |                      |                      |                      |
| Catharanthus roseus                    |    |    |    |    |    |    |    |    |    |    |    | 2        | 2     |                      |                      |                      |                      |
| Citrus sinensis                        | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST66                                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Coffea arabica                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST68                                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Coffea arabica                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST69                                  | 5  | 5  | 1  |    |    |    |    |    |    |    |    | 6        | 6     |                      |                      |                      |                      |
| Citrus sinensis                        | 4  | 4  | 1  |    |    |    |    |    |    |    |    | 5        | 5     |                      |                      |                      |                      |
| Olea europaea                          | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST70                                  | 2  |    | 2  | 2  | 2  | 2  |    |    |    |    | 6        | 6     |                      |                      |                      |                      |
| Catharanthus roseus                    |    |    |    |    |    |    |    |    |    |    |    | 2        | 2     |                      |                      |                      |                      |
| Hibiscus fragilis                      |    |    |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Hibiscus rosa-sinensis                 | 1  |    |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Hibiscus sp.                           | 1  |    |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST71                                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Prunus domestica                       | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST73                                  |    |    |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Coffea arabica                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST73 and ST53                          | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Coffea arabica                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST74                                  | 4  | 4  |    |    |    |    |    |    |    |    |    | 4        | 4     |                      |                      |                      |                      |
| Coffea arabica                         | 4  | 4  |    |    |    |    |    |    |    |    |    | 4        | 4     |                      |                      |                      |                      |
| ST78                                  | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Prunus dulcis                          | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| ST80                                  | 16 | 16 | 16 |    |    |    |    |    |    |    |    | 16       | 16    |                      |                      |                      |                      |
| Acacia sp.                             | 2  | 2  |    |    |    |    |    |    |    |    |    | 2        | 2     |                      |                      |                      |                      |
| Cistus albidus                         | 1  | 1  |    |    |    |    |    |    |    |    |    | 1        | 1     |                      |                      |                      |                      |
| Lavandula dentata                      | 2  | 2  |    |    |    |    |    |    |    |    |    | 2        | 2     |                      |                      |                      |                      |
| X. fastidiosa subspecies/sequence type | Natural Infection | Artificial infection | Infection not specified | Grand Total |
|---------------------------------------|-------------------|----------------------|-------------------------|-------------|
|                                       | AR  | BR  | CR  | EC  | FR  | HN  | IT  | MX  | PT  | ES  | US  | Unknown | Total |
| Olea europaea                          | 2   |     |     |     |     |     |     |     |     |     |     |         | 2     |
| Olea europaea subsp. sylvestris        | 2   |     |     |     |     |     |     |     |     |     |     |         | 2     |
| Polygala myrtifolia                    | 2   |     |     |     |     |     |     |     |     |     |     |         | 2     |
| Prunus dulcis                          | 2   |     |     |     |     |     |     |     |     |     |     |         | 2     |
| Salvia rosmarinus                      | 2   |     |     |     |     |     |     |     |     |     |     |         | 2     |
| Ulex parviflorus                       | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| ST84                                  | 3   |     |     |     |     |     |     |     |     |     |     |         | 3     |
| Olea europaea                          | 3   |     |     |     |     |     |     |     |     |     |     |         | 3     |
| ST85                                  | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Olea europaea                          | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| ST86                                  | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Olea europaea                          | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| sandyi                                 | 1   | 1   | 1   |     |     |     |     |     |     |     |     |         | 3     |
| ST5                                    | 24  |     |     |     |     |     |     |     |     |     |     |         | 28    |
| Hemerocallis sp.                       | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Jacaranda mimosifolia                  | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Magnolia grandiflora                   | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Nerium oleander                        | 21  | 21  |     |     |     |     |     |     |     |     |     |         | 22    |
| Prunus dulcis                          |     |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Vinca major                            |     |     |     |     |     |     |     |     |     |     |     |         | 2     |
| ST72                                   | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Coffea arabica                         | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Coffea sp.                             |     |     |     |     |     |     |     |     |     |     |     |         | 2     |
| ST76                                   | 1   | 1   |     |     |     |     |     |     |     |     |     |         | 2     |
| Coffea sp.                             | 1   |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Polygala myrtifolia                    |     |     |     |     |     |     |     |     |     |     |     |         | 1     |
| Grand Total                            | 6   | 130 | 34  | 4   | 95  | 1   | 386 | 5   | 65  | 172 | 371 | 4     | 1,273 |
|                                        |     |     |     |     |     |     |     |     |     |     |     |         | 389   |
|                                        |     |     |     |     |     |     |     |     |     |     |     |         | 49    |
|                                        |     |     |     |     |     |     |     |     |     |     |     |         | 1,711 |
Appendix E – References included in this update

List of the 86 references included in this fourth 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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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 4 (https://doi.org/10.5281/zenodo.1339343).