

Supplemental Table S2: Information of *X. fastidiosa* isolates and strains for phylogeny.

<b>Strain</b>	<b>Host plant</b>	<b>Place of isolation</b>	<b>Reference</b>	<b>GenBank Accession</b>
<i>Xylella fastidiosa</i> subsp. <i>fastidiosa</i>				
<b>ATCC 35879</b>	Grape	USA (FL)	[1]	JQAP00000000.1
<b>CCPM1</b>	Grape	USA (GA)	[2]	PUJB00000000.1
<b>CFBP7969</b>	Grape	USA(NC)	[3]	PHFQ00000000.1
<b>CFBP7970</b>	Grape	USA (FL)	[3]	PHFR00000000.1
<b>CFBP8071</b>	Almond	USA (CA)	[3]	PHFP00000000.1
<b>CFBP8073</b>	Coffee	France	[4]	LKES00000000.1
<b>CFBP8082</b>	Annual ragweed	USA (FL)	[3]	PHFT00000000.1
<b>CFBP8351</b>	Grape	USA (CA)	[3]	PHFU00000000.1
<b>DSM 10026</b>	Grape	USA (FL)	(Varghese JN, unpublished)	FQWN00000000.1
<b>EB92-1</b>	Elderberry	USA (FL)	[5]	AFDJ00000000.1
<b>GB514</b>	Grape	USA (TX)	[6]	CP002165.1
<b>gfpWM1-1 Rec1</b>	Recombinants of WM1-1 with KLN59.3 donor	In vitro	[7]	PUJD00000000.1
<b>gfpWM1-1 Rec2</b>	Recombinants of WM1-1 with KLN59.3 donor	In vitro	[7]	PUJE00000000.1
<b>IVIA5235</b>	Cherry	Spain	[8]	CP047171.1
<b>M23</b>	Almond	USA (CA)	[9]	CP001011.1
<b>NS1-CmR</b>	Mutant of TemeculaL	In vitro	[10]	PUJF00000000.1
<b>NS1pgIA Rec</b>	Recombinant of NS1-CmR and pgIA-KmR	In vitro	[11]	PUJG00000000.1
<b>pgIA-KmR</b>	Grape	USA (CA)	[12]	PUJH00000000.1
<b>Stag's Leap</b>	Grape	USA (CA)	[13]	LSMJ00000000.1
<b>Temecula1</b>	Grape	USA (CA)	[14]	PUJI00000000
<b>Temecula1gfp</b>	Mutant of Temecula1	In vitro	[15]	PUJC00000000.1
<b>TemeculaL</b>	Grape	USA (CA)	[16]	PUJJ00000000.1
<b>TemeculaLAlmaRec1</b>	Recombinant of TemeculaL with AlmaEM3 donor	In vitro	[16]	PUIW00000000.1
<b>TemeculaLAlmaRec2</b>	Recombinant of TemeculaL with AlmaEM3 donor	In vitro	[16]	PUIX00000000.1

<b>TemeculaStar</b>	Grape	USA (GA)	[16]	PUJI000000.1
<b>TPD3</b>	Grape	Taiwan	[17]	VJWG0000000.1
<b>TPD4</b>	Grape	Taiwan	[17]	VJWH0000000.1
<b>WM1-1</b>	Grape	USA (GA)	[2]	PUJK000000.1
<b>XYL1732</b>	Grape	Spain	[18]	QTJT000000.1
<b>XYL2055</b>	Grape	Spain	[18]	QTJS000000.1
<i>Xylella fastidiosa subsp. morus</i>				
<b>MUL0034</b>	Mulberry	USA (CA)	[19]	CP006740.1
<b>Mul-MD</b>	Mulberry	USA (MD)	[20]	AXDP0000000.1
<i>Xylella fastidiosa subsp. sandyi</i>				
<b>CFBP8356</b>	Coffee	Costa Rica	[3]	PHFV000000.1
<b>Ann-1</b>	Oleander	USA (CA)	[19]	AAAM0000000.4
<b>CO33</b>	Coffee	Italy	[21]	LJZW000000.1
<i>Xylella fastidiosa subsp. multiplex</i>				
<b>AlmaEM3</b>	Blueberry (Emerald)	USA (GA)	[22]	PUIY000000.1
<b>BB01</b>	Blueberry	USA (GA)	[23]	MPAZ0000000.1
<b>BB08-1</b>	Blueberry	USA (FL)	[22]	PUIZ0000000
<b>CFBP8078</b>	Periwinkle	USA (FL)	[3]	PHFS000000.1
<b>CFBP8417</b>	Spanish Broom	France	[3]	LUYB0000000.1
<b>CFBP8418</b>	Spanish Broom	France	[3]	LUYA0000000.1
<b>Dixon</b>	Almond	USA (CA)	[24]	AAAL0000000.2
<b>ESVL</b>	Almond	Spain	[25]	QPQV0000000.1
<b>IVIA5901</b>	Almond	Spain	[8]	CP047134.1
<b>M12</b>	Almond	USA (CA)	[9]	CP000941
<b>sycamore Sy-VA</b>	Sycamore	USA (VA)	[20]	JMHP000000.1
<b>TOS14</b>	Spanish Broom	Italy	[26]	SMTJ000000.1

<b>TOS4</b>	Almond	Italy	[26]	SMTH0000 0000.1
<b>TOS5</b>	Myrtle-leaf milkwort	Italy	[26]	SMTI00000 000.1
<b>ATCC 35871</b>	Hybrid Plum	USA (GA)	(Kyrpides et al, unpublished)	AUAJ00000 000.1
<b>Griffin-1</b>	Oak	USA (GA)	[27]	AVGA0000 0000.1
<i>Xylella fastidiosa</i> subsp. <i>pauca</i>				
<b>3124</b>	Coffee	Brazil (São Paulo)	[28]	CP009829.1
<b>CFBP8072</b>	Coffee	France	[4]	LKDK0000 0000.1
<b>CoDiRO</b>	Olive	Italy (Apulia)	[29]	JUJW00000 000.1
<b>De Donno</b>	Olive	Italy (Apulia)	[30]	CP020870.1
<b>PD7202</b>	Coffee	Netherlands	[31]	RRUA0000 0000.1
<b>PD7211</b>	Coffee	Netherlands	[31]	RRTZ00000 000.1
<b>32</b>	Coffee	Brazil (São Paulo)	[32]	AWYH000 00000.1
<b>11399</b>	Orange	Brazil	[33]	JNBT00000 000.1
<b>6c</b>	Coffee	Brazil (São Paulo)	[32]	AXBS0000 0000.2
<b>9a5c</b>	Sweet orange	Brazil (São Paulo)	[34]	AE003849. 1
<b>COF0324</b>	Coffee	Brazil	(Knight et al, 2017, unpublished)	LRVG0000 0000.1
<b>COF0407</b>	Coffee	Costa Rica	(Knight et al, 2017, unpublished)	LRVJ00000 000.1
<b>CVC0251</b>	Sweet orange	Brazil	(Knight et al, 2017, unpublished)	LRVE0000 0000.1
<b>CVC0256</b>	Sweet orange	Brazil	(Knight et al, 2017, unpublished)	LRVF00000 000.1
<b>Fb7</b>	Sweet orange	Argentina (Corrientes)	[35]	CP010051.2
<b>Hib4</b>	Hibiscus	Brazil (São Paulo)	(Pierry and da Silva, 2017, unpublished)	CP009885.1
<b>J1a12</b>	Sweet orange	Brazil (São Paulo)	(Pierry and da Silva, 2017, unpublished)	CP009823.1
<b>OLS0478</b>	Oleander	Costa Rica	(Knight et al, 2017, unpublished)	LRVI00000 000.1
<b>OLS0479</b>	Oleander	Costa Rica	(Knight et al, 2017, unpublished)	LRVH0000 0000.1
<b>Pr8x</b>	Plum	Brazil (São Paulo)	(Pierry and da Silva 2015, unpublished)	CP009826.1

<b>Salento-1</b>	Olive	Italy (Apulia)	[36]	CP016608.1
<b>Salento-2</b>	Olive	Italy (Apulia)	[37]	CP016610.1
<b>U24D</b>	Sweet orange	Brazil (São Paulo)	(Da Silva, 2017 unpublished)	CP009790.1

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