

**Table S1:** List of reference genomes used in this study. In bold draft genome obtained in this paper

Ca. Phytoplasma	strain	16Sr group/subgroup	Host	Country	accession	reference
Ca. P. asteris	AYWB	16SrI-B	<i>Lactuca sativa</i>	USA	CP000061.1	[26]
Ca. P. asteris	MBS	16SrI-B	<i>Zea mays</i>	Brazil	CP015149.1	[18]
Ca. P. asteris	OY-M	16SrI-A	<i>Chrysanthemum coronarium</i>	Japan	AP006628.2	[16]
Ca. P. australiense	PAa	16SrXII-B	<i>Catharanthus roseus</i>	Australia	AM422018.1	[31]
Ca. P. australiense	NZSb11	16SrXII-B	<i>Fragaria x anannassa</i>	New Zealand	CP002548.1	[40]
Ca. P. mali	AT	16SrX-A	<i>Catharanthus roseus</i>	Germany	CU469464.1	[41]
Ca. P. ziziphi	Jbw-nky	16SrV-B	<i>Ziziphus jujuba Mill.</i>	China	CP025121.1	[42]
Ca. P. s. pruni	ChTDIII	16SrIII-B	<i>Melia azedarach</i>	Argentina	JABUOH000000000.1	[43]
Ca. P. solani	SA-1	16SrXII-A	<i>Vitis vinifera</i>	Italy	MPBG000000000.1	[20]
Ca. P. solani	231/09	16SrXII-A	<i>Petroselinum sativum</i>	Serbia	FO393428.1	[44]
Ca. P. solani	284/09	16SrXII-A	<i>Nicotiana tabacum</i>	Serbia	FO393427.1	[44]
Ca. P. australasiaticum	NTU2011	16SrII-V	<i>Arachis hypogaea</i>	Taiwan	NZ_AMWZ000000000.1	[17]
Ca. P. hispanicum	StrPh-CL	16SrXIII-F	<i>Fragaria x anannassa</i>	Chile	JAGVRH000000000.1	[30]
<b>Ca. P. meliae</b>	<b>ChTYXIII</b>	<b>1SrXIII-G</b>	<b><i>Melia azedarach</i></b>	<b>Argentina</b>	<b>NZ_JACAOD000000000.2</b>	<b>This paper</b>