

Table 2. S1 Auchenorrhyncha collected from inter-row strips of herbaceous plants in orchards, vineyards and in fruit tree cultivar collections in the Botanical Garden of Polish Academy of Sciences in Powsin using a sweep net

Species	Habitat	Location	Number of specimens		Sampling periods
			collected	tested for <i>X. fastidiosa</i>	
1	2	3	4	5	6
Cicadomorpha/Cicadellidae/Cicadellinae					
<i>Cicadella viridis</i> (L., 1758)	Apple orchard	Kałużyn	9	9	Sept. – 2018.
	Plum cultivar collection	PAS Botanical Garden in Powsin	8	8	Aug. - 2018
	vineyard	Wityń	2	2	Aug. – 2019
Cicadomorpha/Cicadellidae/Deltocephalinae					
<i>Athysanus qadrum</i> Boheman, 1845	Blueberry plantation	Skierniewice	5	0	Aug.- 2018.
<i>Balclutha punctata</i> (Fabricius, 1775)	Pear cultivar collection	PAS Botanical Garden in Powsin	1	0	Aug. - 2019
<i>Elymana sulphurella</i> (Zetterstedt, 1828)			1	0	
<i>Euscelis incisus</i> (Kirschbaum, 1858)	Apple orchard	Skierniewice	1	1	Oct. - 2019
	Vineyard	Dąbrowice	1	1	June 2018.
<i>Macrostes laevis</i> (Ribaut, 1927)	Sweet cherry orchard	Mstów	62	0	Sept - 2019
	Apple cultivar collection	PAS Botanical Garden in Powsin	13	0	Aug. - 2019.
	Pear orchard	Ostrołęka*	2	0	Sept.- 2021
	Vineyard	Dąbrowice	9	0	June -2018
		Skierniewice	29	5	Sept 2021
Wityń	9	0	Aug. 2019		
<i>Mocydiopsis attenuata</i> (Germar, 1821)	Apple cultivars collection	PAS Botanical Garden in Powsin	7	0	Aug. 2019
			23	0	Sept - 2018.
<i>Psammotettix alienus</i> (Dahlbom, 1850)	Apple cultivars collection				
	Peach orchard	Zawada	2	0	Sept. - 2019
	Vineyard	Wityń	56	56	Aug -2019.- sweep net
<i>Streptanus sordidus</i> (Zetterstedt, 1828)	Apple cultivar collection	PAS Botanical Garden in Powsin	1	0	Aug -2019
	Peach orchard	Zawada	1	0	Sept. - 2019
Cicadomorpha/Cicadellidae/Macropsinae					
<i>Oncopsis flavicollis</i> (Linnaeus, 1761)	Pear cultivar collection	PAS Botanical Garden in Powsin	1	0	Aug. - 2019
<i>Empoasca pteridis</i> (Dahlbom, 1850)	Peach orchard	Zawada	23	0	Sept. - 2019.
<i>Eupteryx</i> spp.	Vineyard	Nowy Dwór	1	0	June-2021

1	2	3	4	5	6
<i>Zyginidia</i> (<i>Zyginidia</i>) <i>pullula</i> (Boheman, 1845)		Wityń	11	0	Aug. -2019
Fulgoromorpha/Delphacidae/Delphacinae					
<i>Dicranotropis</i> (<i>Dicra notropis</i>) <i>hamata</i> (Boheman, 1847)	Apple cultivar collection	PAS Botanical Garden in Powsin	1	0	Aug. - 2019.
<i>Javesella</i> (<i>Javesella</i>) <i>dubia</i> (Kirschbaum, 1868)			10	0	Aug. - 2019
<i>Javesella</i> (<i>Javesella</i>) <i>pellucida</i> (Fabricius, 1794)	Vineyard	Wityń	2	0	June-2021
	Apple orchard	Nowy Dwór	4	0	Aug. -2019
	Peach orchard,	Zawada	1	0	Sept. – 2019
	Blueberry plantation	Skierniewice	5	0	Aug. - 2018
<i>Javesella</i> spp.	Apple cultivar collection	PAS Botanical Garden in Powsin	12	0	Aug. - 2019.
<i>Laodelphax striatellus</i> (Fallen, 1826)	Peach orchard	Zawada	1	0	Sept. – 018
	Apple cultivar collection,	PAS Botanical Garden in Powsin	2	0	Aug. - 2019
	Apple orchard	Kałużyn	2	0	Sept. — 2018
	Blueberry plantation	Skierniewice	3	0	Aug. - 2018
	Vineyard	Wityń	3	0	Aug. -- 2019
<i>Nothodelphax albocarيناتus</i> (Stal, 1858)	Vineyard	Skierniewice	1	1	Sept. -2021.
<i>Struebingianella lugubrina</i> (Boheman, 1847)	Apple cultivar collection	PAS Botanical Garden in Powsin	4	0	Aug. - 2019
	Pear cultivar collection	PAS Botanical Garden in Powsin	3	0	Aug. – 2019
<i>Xanthodelphax flaveolus</i> (Flor, 1861)	Blueberry plantation	Skierniewice	4	0	Aug. - 2018
Fulgoromorpha/ /Stenocraninae					
<i>Stenocranus major</i> (Kirschbaum, 1868)	Apple cultivar collection	PAS Botanical Garden in Powsin	1	0	Aug. - 2019
	Pear cultivar collection		4	0	
Cicadomorpha/Cicadellidae/Macropsinae					
<i>Stictocephala bisonia</i> Kopp & Yonke, 1977	Vineyard	Boria	11	0	Sept. - 2021
Total			352	83	

Table 3.S2 Auchenorhyncha collected from a semi-natural habitat with herbaceous vegetation and boundary strips adjacent to the examined objects using sweep net

Species/Family	Habitat	Location	No of individuals		Sampling periods
			collected	tested for <i>X. fastidiosa</i>	

1	2	3	4	5	7
Aphrophoridae					
<i>Neophilaenus lineatus</i> (L., 1758)	Meadow adjacent to a home garden which includes a pedunculate oak, maples, and fruit trees	Izby	3	3	June - 2018
<i>Neophilaenus campestris</i> (Fallen, 1805)			4	4	July - 2018
<i>Philaenus spumarius</i>			4	4	
Cicadellidae/Cicadellinae					
<i>Cicadella lasiocarpae</i> Ossiannilsson, 1981	Meadow adjacent to a home garden which includes a pedunculate oak, maples, and fruit trees	Izby	20 22	20 22	June; -2018 Sept. - 2018
Cicadellidae/Deltocephalinae					
<i>Arthaldeus striifrons</i> (Kirschbaum, 1868)	Meadow adjacent to a home garden which includes a pedunculate oak, maples, and fruit trees	Izby	1	0	June - 2018
<i>Cicadula (Cicadula) persimilis</i> (Edwards, 1920)			4	0	June - 2018
<i>Macrosteles laevis</i> (Ribaut, 1927)	boundary strip between apple trees orchards	Kałużyn	5	0	Sept. - 2018
<i>Psammotettix alienus</i> (Dahlbom, 1850)			23	0	Sept. - 2018
<i>Macrosteles</i> spp.	semi-natural area adjacent to the forest	Boria	1	0	Sept. - 2021
<i>Psammotettix confinis</i> (Dahlbom, 1850)	Meadow near a home garden with a pedunculate oak, maples, and fruit trees	Izby	12	0	June - 2018
<i>Psammotettix dubius</i> Ossiannilsson, 1974			14	0	June - 2018
Cicadellidae/Typhlocybinae					
<i>Empoasca pteridis</i> (Dahlbom, 1850)	semi-natural area adjacent to the forest	Boria	2	0	Sept - 2021
Total			119	57	

Table 4. S3 Auchenorhycha collected from herbaceous plants growing under ornamental trees and shrubs and Rhododendron

Species	Habitat	Location	Number of specimens		Sampling	
			collected	tested for <i>X. fastidiosa</i>	periods	method
1	2	3	4	5	6	7
Cicadomorpha/Cicadellidae/Cicadellinae						
<i>Cicadella viridis</i> (L., 1758)	Alder, hornbeam, beech trees in the dendrological collection	Arboretum in Rogów	10	10	Sept. 2020	sweep net
	Roses plantation	Ornamental plant nursery in Jasieniec	4	4	Oct. 2018	sweep net
<i>Graphocephala fennahi</i> Young, 1977	<i>Rhododendron</i> collection	PAS Botanical Garden in Powsin	6	6	Sept.- 2018	using aspirator directly from plants
			7	7	Aug. - 2019	
Cicadomorpha/Cicadellidae/Deltocephalinae						
<i>Euscelis incisus</i> (Kirschbaum, 1858)	Roses plantation	Ornamental plant nursery in Jasieniec	1	1	Oct. 2018	sweep net
<i>Macrosteles laevis</i> (Ribaut, 1927)			4	0	Oct. 2018	
<i>Psammotettis alienus</i> (Dahlbom, 1850)			10	0	Oct. 2018	
	Juniper plantings		9	0	Oct. 2018	
Total			51	28		



Fig. S1. *Cicadella viridis* – adult (G.Soika)



Fig. S2. *Philaenus spumarius* – adult (G.Soika)



Fig. S3. *Philaenus spumarius* – larvae (G.Soika)



Fig. S4. *Philaenus spumarius* – nymph (G.Soika)



Fig. S5. *Graphocephala fennahi* – adult (G.Soika)

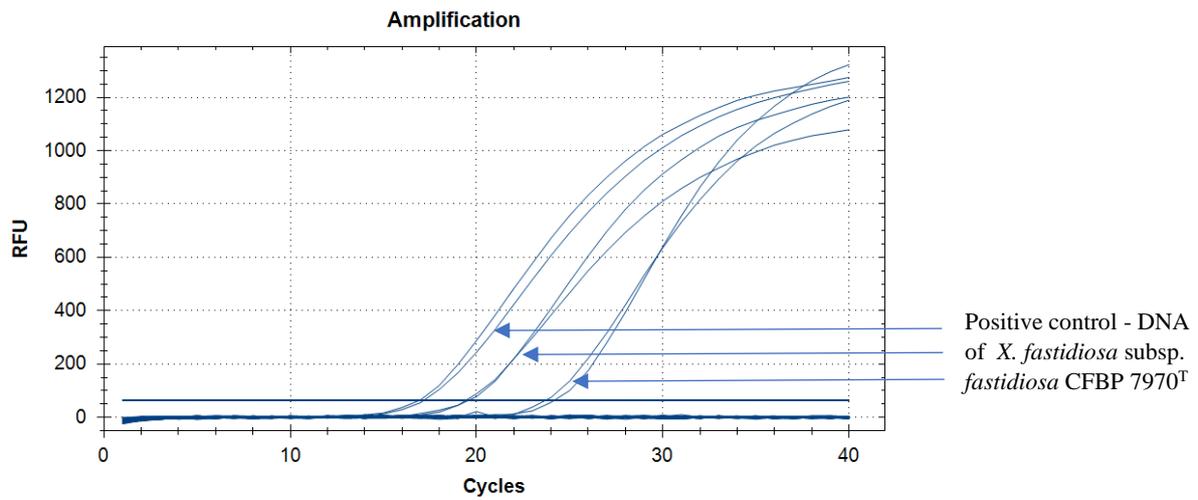


Fig. S6. Quantitative PCR (qPCR) assay with primers for *rimM* gene – detection of *X. fastidiosa* in insects