

ORIGINAL ARTICLE

## **Morphological and molecular insights into the invasive strawberry aphid *Chaetosiphon fragaefolii* – a critical pest and virus vector new to Poland**

Mariusz Kanturski<sup>1\*</sup> , Minho Lee<sup>2</sup> , Andżela Glumac<sup>1</sup>, Seunghwan Lee<sup>2</sup>

<sup>1</sup> Faculty of Natural Sciences, Institute of Biology, Biotechnology and Environmental Protection, University of Silesia in Katowice, Katowice, Poland

<sup>2</sup> Insect Biosystematics Laboratory, Department of Agricultural Biotechnology, Research Institute of Agricultural and Life Sciences, Seoul National University, Seoul, Korea (South)

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\*Corresponding address:  
mariusz.kanturski@us.edu.pl

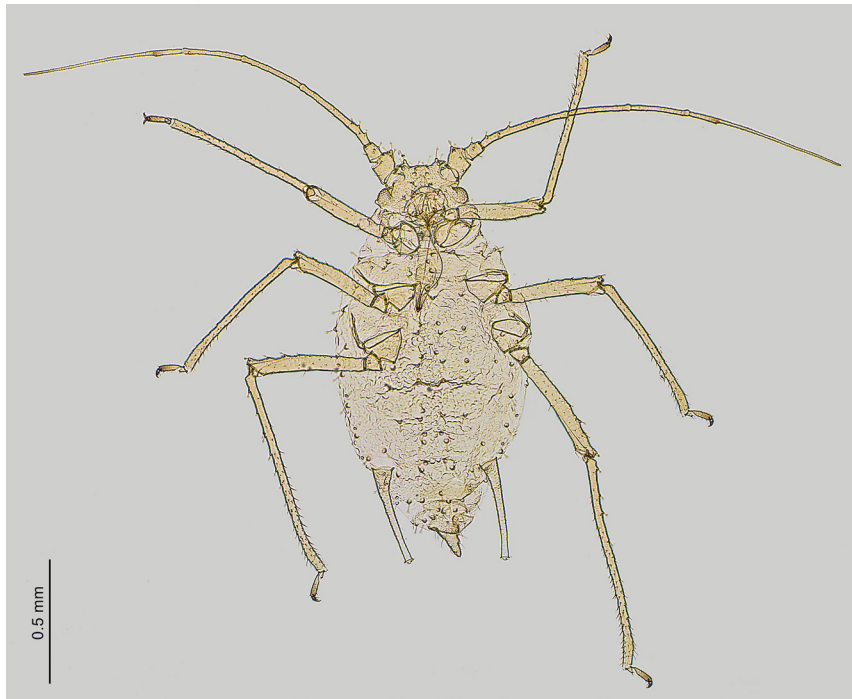
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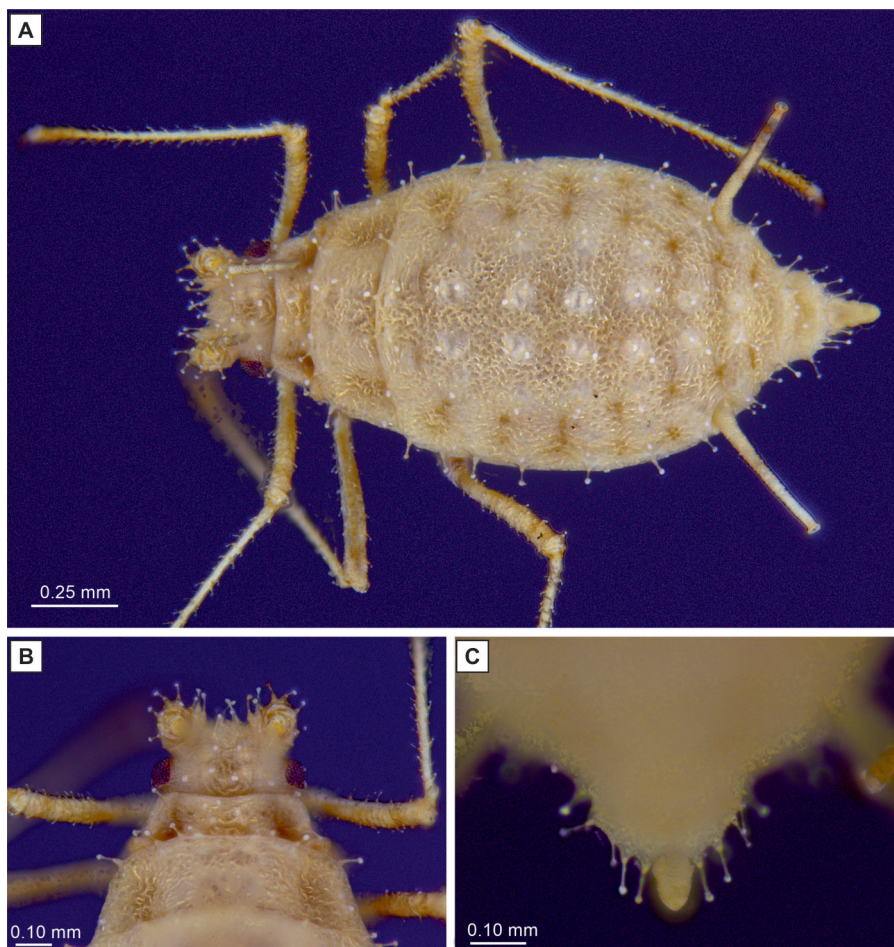
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### **SUPPLEMENTARY MATERIAL**

The authors are fully responsible for both the content and the formal aspects of the supplementary material. No editorial adjustments were made.



**Supplementary Fig. S1.** Apterous viviparous female of *Chaetosiphon fragaefolii* on a mounted slide



**Supplementary Fig. S2.** Dorsal side of body of *Chaetosiphon fragaefolii* in life: A – general view of the habitat showing microsculpture, and capitate setae on tuberculate bases, B – dorsal side of head and thorax, C – setae on end of abdomen

**Supplementary Table 1.** Summary of information of four haplotypes from the two *Chaetosiphon* species and one outgroup used in the present analyses

No.	Species	Location	Acc. No.	Haplotype	Ref.
01	<i>Chaetosiphon fragaefolii</i>	Czech Republic	MN420510	Hap_1	Fránová <i>et al.</i> (2019)
02	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR574966	Hap_1	Hebert <i>et al.</i> (2016)
03	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR573016	Hap_1	Hebert <i>et al.</i> (2016)
04	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR572823	Hap_1	Hebert <i>et al.</i> (2016)
05	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR584525	Hap_1	Hebert <i>et al.</i> (2016)
06	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR583408	Hap_1	Hebert <i>et al.</i> (2016)
07	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR582801	Hap_1	Hebert <i>et al.</i> (2016)
08	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR581689	Hap_1	Hebert <i>et al.</i> (2016)
09	<i>Chaetosiphon fragaefolii</i>	Canada, Alberta	KR581508	Hap_1	Hebert <i>et al.</i> (2016)
10	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR574780	Hap_1	Hebert <i>et al.</i> (2016)
11	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR583001	Hap_1	Hebert <i>et al.</i> (2016)
12	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR043602	Hap_1	Gwiazdowski <i>et al.</i> (2015)
13	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR038018	Hap_1	Gwiazdowski <i>et al.</i> (2015)
14	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR037586	Hap_1	Gwiazdowski <i>et al.</i> (2015)
15	<i>Chaetosiphon fragaefolii</i>	Canada, British Columbia	KR032331	Hap_1	Gwiazdowski <i>et al.</i> (2015)
16	<i>Chaetosiphon fragaefolii</i>	Canada, Manitoba	KR045254	Hap_1	Gwiazdowski <i>et al.</i> (2015)
17	<i>Chaetosiphon fragaefolii</i>	Canada, Nova Scotia	KR572648	Hap_1	Hebert <i>et al.</i> (2016)
18	<i>Chaetosiphon fragaefolii</i>	Poland	PV013678	Hap_1	this study
19	<i>Chaetosiphon fragaefolii</i>	Poland	PV013679	Hap_1	this study
20	<i>Chaetosiphon fragaefolii</i>	Poland	PV013680	Hap_1	this study
21	<i>Chaetosiphon fragaefolii</i>	Canada, New Brunswick	KR582683	Hap_2	Hebert <i>et al.</i> (2016)
22	<i>Chaetosiphon fragaefolii</i>	Canada, Ontario	KR035154	Hap_2	Gwiazdowski <i>et al.</i> (2015)
23	<i>Chaetosiphon tetrarhodum</i>		KX631549	Hap_3	Choi <i>et al.</i> (2018)
24	<i>Phylloxera coccinea</i> (outgroup)		MG403377	Hap_4	Unpublished