**Contact Information**

Name:

Megan Frederickson

Contact Phone Number:

416-978-7252

Contact Email:

m.frederickson@utoronto.ca

Affiliation:

University of Toronto

**Manuscript Information (if applicable)**

1.O'Brien, Anna, Jason Laurich, and Megan E. Frederickson. "Having the'right'microbiome matters for host trait expression and the strength of mutualism between duckweeds and microbes." *bioRxiv* (2022)

2.O’Brien, Anna M., Zhu Hao Yu, Clara Pencer, Megan E. Frederickson, Gregory H. LeFevre, and Elodie Passeport. "Harnessing plant-microbiome interactions for bioremediation across a freshwater urbanization gradient." *Water Research* 223 (2022): 118926.

3.O'Brien, Anna M., Tiago F. Lins, Yamin Yang, Megan E. Frederickson, David Sinton, and Chelsea M. Rochman. "Microplastics shift impacts of climate change on a plant-microbe mutualism: Temperature, CO2, and tire wear particles." *Environmental Research* 203 (2022): 111727.

4.O'Brien, Anna M., Zhu Hao Yu, Dian‐ya Luo, Jason Laurich, Elodie Passeport, and Megan E. Frederickson. "Resilience to multiple stressors in an aquatic plant and its microbiome." *American Journal of Botany* 107, no. 2 (2020): 273-285.

**Species Identification Information**

Name Of Species:

*Lemna japonica*

Morphological Classification (if applicable):

Molecular Classification:

atpF-atpH barcode:

psbK-psbI barcode:

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

**Species Collection And Cultivation Information**

Date:

Summer-Fall 2018

Location: Koffler Scientific Reserve, King, Ontario, Canada. Coordinates: 44.020596, -79.310422

Stinky pond among forest in conservation land. Depth 15cm, population size: 10x1-3 feet

Cultivation Information:

Cultured in liquid 0.5x Krajncic’s media before sterilization. After sterilization the culture is maintained in liquid enriched media :1xKranjcics with 0.1% yeast extract, 0.5% sucrose

**To which Duckweed collection are you able to submit your clone?**

(One of the goals of the RDSC is to have its registered clones available to the community to promote research and applications.)

X RDSC