**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., 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.

4. O’Brien, Anna M., Jason Laurich, Emma Lash, and Megan E. Frederickson. "Mutualistic outcomes across plant populations, microbes, and environments in the duckweed Lemna minor." *Microbial ecology* 80, no. 2 (2020): 384-397

**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:

June14,2018

Location: Toronto, Ontario, Canada, coordinates: 43.7333,-79.3319

Pond in the park near Don Valley Parkway. Pretty clean, minimal plastic pollution. Lots of duckweed along SW side of the pond. Depth 15cm. Population density : from low-medium to high medium

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

University Of Jena