**Contact Information**

Name:

Chokchai Kittiwongwattana

Contact Phone Number:

66-2-329-8400

Contact Email:

Chokchai.ki@kmitl.ac.th

Affiliation:

Department of Biology, Faculty of Science, King Mongkut’s Institute of Technology Ladkrabang, Bangkok, Thailand, 10520

**Manuscript Information (if applicable)**

Title:

Journal:

Authors:

**Species Identification Information**

Name Of Species:

*Landoltia punctata*

Morphological Classification (if applicable):

* Inflated and oval-shaped fronds.
* Dark upper surface of fronds and reddish lower surface of fronds.

Molecular Classification:

atpF-atpH barcode:

TTTTATTTGCGAATCCTTTGTTTAATTCTATAAGAAAAGTACTTTTTACTTAGACTTGCTTCTTCGAATTATATCCACTCTAACAATTACTTATTAGTTGATAGAATACCTCCGGGAAGGACTGATTTTAGGATTAGTAATTAGGAGATCCTCTCGCTTTCTTCCTTCCCGTTTTTAGTTCTTAGTATAATGGAAACCTTGTATGCGTTGCAACGCAACAAACAAGGTATTTATTGACAAAATACCCAGGACCTAACCCAATAAGTATCTTCTTGTAATTGTAAATTTAATTTAATTAGATAAATAATAAATTAATTAATTTCCCATAATAAATCAACCAAAGGAGTAATACAAAAAGAACTCTGTTCTTTGTTAGTCCTATCTATAAGAGGAGAGTATATGCAAAATGTAACTGATTCTTTTGTTTCCTTGGCCCAGGGGCCATCCGCCGTGGGTTTTGGGTTTAATACCGATATTTTAGCAACAAAT

psbK-psbI barcode:

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

**Species Collection And Cultivation Information**

Date:

10 October 2017

Location:

(Provide information on site of collection. Include country, state/province, and city/town. Please be as specific as possible.)

Ladkrabang, Bangkok, Thailand

Cultivation Information:

(Provide information on cultivation of clone since collection and how it is maintained. Mention if any genetic modifications or any other treatments have been performed on clone that may affect its natural physiology.)

Duckweed plants were collected from a local pond in Bangkok, Thailand. To establish in vitro culture, fronds were surface-sterilized, using 10% (v/v) chlorox solution and a few drops of Tween-20 for two minutes with vigorous shaking. They were washed in sterilized distilled water three times. Surface-sterilized fronds were grown on Hoagland’s solid medium (PhytoTechnology Laboratories, USA), containing 2% (w/v) sucrose and 0.7% (w/v) agar, pH 5.7. Growth conditions were 25+2oC and 16-hour-light/8-hour-dark photoperiods. Daughter fronds derived from a single mother frond were obtained. Regenerated daughter fronds were subcultured and maintained on Murashige and Skoog medium supplemented with 2% sucrose, pH7.

**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