**Contact Information**

Name:

Xuyao Zhao

Contact Phone Number:

0086-15516005233

Contact Email:

zhaoxuyao@ihb.ac.cn

Affiliation:

Institute of hydrobiology, Chinese Academy of Sciences

**Manuscript Information (if applicable)**

Title:

Journal:

Authors:

**Species Identification Information**

Name Of Species:

*Lemna aequinoctialis*

Morphological Classification (if applicable):

Molecular Classification:

atpF-atpH barcode:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Alignment length(bp) | Mismatches/Gaps | Precent identity | Bit score | GenBank accession numbers for refence sequence |
| *Lemna aequinoctialis* | 686 | 4 | 99.42 | 1245 | KJ630511.1 |

psbK-psbI barcode:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Alignment length(bp) | Mismatches/Gaps | Precent identity | Bit score | GenBank accession numbers for refence sequence |
| *Lemna aequinoctialis* | 486 | 0 | 100 | 898 | GU454311.1 |

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

MatK barcode:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Alignment length(bp) | Mismatches/Gaps | Precent identity | Bit score | GenBank accession numbers for refence sequence |
| *Lemna aequinoctialis* | 820 | 0 | 100 | 1515 | KP017666.1, KF726226.1 |

**Species Collection And Cultivation Information**

Date:

April, 2017

Location:

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

*L. aequinoctialis* was collected from a swine lagoon (33° 44.24′ N, 113° 12.30′ E) at the city of Pingdingshan, Henan Province, China.

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.)

After soaking in 0.1 % (W/V) mercuric chloride (HgCl2) for 2-3 minutes and washing for 5 to 8 times using sterile deionized water, *L. aequinoctialis* collected was maintained in Erlenmeyer flask containing 50 mL half-strength Murashige and Skoog’s solid medium supplemented with 1 % (w/v) sucrose, 0.6 % (w/v) agar at pH 5.8 in dark for 3 days. Later duckweeds were cultured in incubator under 24 ± 2 ℃at 85 μmol m-2s-1 and a photoperiod of 16 h light and 8 h darkness. In every two weeks, regenerated fresh fronds were sub-cultured in fresh liquid or solid B5 medium containing 1 % (w/v) sucrose, for longtime preservation.

**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.)

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