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**Manuscript Information (if applicable)**

Title:

Efficient genetic transformation and CRISPR/Cas9-mediated genome editing in *Lemna aequinoctialis*

Journal:

Plant Biotechnology Journal

Authors:

Yu Liu, Yu Wang, Shuqing Xu, Xianfeng Tang, Jinshan Zhao, Changjiang Yu, Guo He, Hua Xu, 2, Shumin Wang, Yali Tang, Chunxiang Fu, Yubin Ma,\* and Gongke Zhou\*

**Species Identification Information**

Name Of Species:

*Lemna aequinoctialis*

Morphological Classification (if applicable):

Molecular Classification:

atpF-atpH barcode:

TTGCTTTTATGGGAGCTTTAACAATTTATGGACTGGTTGTGGCATTAGCACTTTTATTTGCGAATCCATTTGTTTAATTCTACAAAAAAGAAAGTACTTTTTGACTTAGACTTGCTTTTTGCTTTTTCGAATTCTATCAACATTGCACTTTAACAATTACTTATTCGTTGAGAGAATACCTCCGGGAAGGACTGATTTTAGGATTAGTAATTAGCAGATCCTCTCGCTTTTTTCCTTCCCGTTTTTAGTTTTTAGTATAATGTAAGGGAAAACTTTTTTGAGTTTGGGTTGTAACGCAACAAACAAGGTATTTATTGACAAAATAGTCCGGCCCTAACCCCATAAGTATGCTCTTGTAATTGTAAACTTTAATTAGAATAAAATAATAAATAAAAAAGTT

TTCAATTAAGTTAATTAATGTCATCTTTTCTATTTAAAAATCCCCTAAAAAAAAAAAAAGAAATTAAAGAAAAGGGGCGAAGTAATACAAAAAGAACTCTGTTCTTTTTTAGTCCTATCTATAAGAGGAAAGTATATGCAAAATGTAACTGATTCTTTTGTTTCCTTGGGCCACTGGCCGTCTGCCGGGGGTTTTGGGTTTAATACCGATATTTTAGCAACAAATCCAATAAATCTAAGCGTAGA

psbK-psbI barcode:

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

**Species Collection And Cultivation Information**

Date:

July, 2011

Location:

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

Sanya, Hainan 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.)

SH medium

**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.)

■ RDSC

University Of Jena