#### Accepted Manuscript

Title: Identification and distribution of microsymbionts associated with soybean nodulation in Mozambican soils

Authors: Cynthia Gyogluu, Sanjay K Jaiswal, Stephen Kyei-Boahen, Felix. D. Dakora

 PII:
 S0723-2020(18)30202-9

 DOI:
 https://doi.org/10.1016/j.syapm.2018.05.003

 Reference:
 SYAPM 25920

To appear in:

 Received date:
 15-8-2017

 Revised date:
 3-5-2018

 Accepted date:
 4-5-2018

Please cite this article as: Cynthia Gyogluu, Sanjay K Jaiswal, Stephen Kyei-Boahen, Felix.D.Dakora, Identification and distribution of microsymbionts associated with soybean nodulation in Mozambican soils, Systematic and Applied Microbiology https://doi.org/10.1016/j.syapm.2018.05.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



### ACCEPTED MANUSCRIPT

## Identification and distribution of microsymbionts associated with soybean nodulation in Mozambican soils

Short title: Distribution of soybean microsymbionts in Mozambican soils

Cynthia Gyogluu<sup>1</sup>, Sanjay K Jaiswal<sup>2</sup>, Stephen Kyei-Boahen<sup>3</sup>, and Felix. D Dakora<sup>2</sup>

<sup>1</sup>Department of Crop Sciences, and <sup>2</sup>Department of Chemistry, Tshwane University of Technology, Pretoria, South Africa; <sup>3</sup>International Institute of Tropical Agriculture, Nampula, Mozambique.

\*Corresponding author:

Telephone: +27 12 382 6120

Fax: +27 12 382 6286

Email: sanjay\_siswa@rediffmail.com; DakorFD@tut.ac.za

New sequences: Submitted to NCBI GenBank and accession numbers have been provided

#### Abstract

Indigenous soybean rhizobial strains were isolated from root nodules sampled from farmers' fields Mozambique to determine their identity, distribution and symbiotic relations. Plant infection assays studies revealed variable nodulation and symbiotic effectiveness among 43 bacterial isolates tested. Strains from Ruace generally promoted greater whole-plant growth than

Download English Version:

# https://daneshyari.com/en/article/10157328

Download Persian Version:

https://daneshyari.com/article/10157328

Daneshyari.com