



Development of a novel set of microsatellite markers for *Lippia alba* (Verbenaceae)

D.S. Rocha¹, C.P. Santos², M.M. Bajay³, J.B. Campos¹, A.F. Blank²,
J.B. Pinheiro³ and M.I. Zucchi¹

¹Laboratório de Biologia Molecular,
Agência Paulista de Tecnologia dos Agronegócios, Piracicaba, SP, Brasil

²Laboratório de Cultura de Tecidos e Melhoramento Vegetal,
Departamento de Engenharia Agrônoma, Universidade Federal de Sergipe,
São Cristóvão, SE, Brasil

³Laboratório de Diversidade Genética e Melhoramento,
Departamento de Genética, Escola Superior de Agricultura “Luiz de Queiroz”,
Universidade de São Paulo, Piracicaba, SP, Brasil

Corresponding author: M.I. Zucchi
E-mail: mizucchi@apta.sp.gov.br

Genet. Mol. Res. 14 (1): 971-974 (2015)

Received January 8, 2014

Accepted July 11, 2014

Published February 3, 2015

DOI <http://dx.doi.org/10.4238/2015.February.3.4>

ABSTRACT. Microsatellite primers were developed and optimized for *Lippia alba* to characterize the *L. alba* germplasm bank of Universidade de São Paulo. A genomic library enabled the design of 9 microsatellite primers. Six of the 9 primers yielded polymorphic products, which defined 2 groups in the bank. The data provide support to characterize germplasm banks, genetic breeding programs for *L. alba*, and other genetic diversity studies and classifications of species in the genus *Lippia*.

Key words: *Lippia alba*; Microsatellite; Genetic diversity;
Essential oils; Germplasm bank