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MOLECULAR CHARACTERIZATION BY MICROSATELLITES OF CULTIVARS FROM THE CUBAN CITRUS PROTECTED GERMPLASM BANK

Yohaily Rodriguez Alvarez^{1*}, Juliette Valdés-Infante¹, Eduardo Canales López², Xenia Ferriol Marchena¹, Victoria Zamora¹, Meilyn Rodríguez Hernández², Lester Hernández Rodríguez³

The genetic certification of the species and cultivars present in the Citrus Protected Germplasm Bank (BGP) is a task of the first order to continue improving the Production System of Certified Citrus Material of Cuba. The objective of this work was to perform a preliminary characterization, with microsatellite markers (SSR), of a representative group of citrus species and cultivars to determine those useful for the identification of characteristic band patterns. Twenty-seven species and cultivars, representative of the diversity present in the BGP, were chosen, and young leaves were taken from them to proceed to DNA isolation and molecular characterization using nine microsatellite molecular marker primers. The evaluation of these accessions with the SSR combinations used allowed to differentiate a group of cultivars but not all analyzed, so it is necessary to extend the number of primers, or complement the study with another type of molecular marker, in order to achieve certification genetics of the accessions under study.

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- ¹ Instituto de Investigaciones en Fruticultura Tropical (IIFT). Ave. 7ma e/ 30 y 32, Miramar, Playa, 10100 C. Habana, Cuba. *mejoramiento3@iift.cu
- ² Centro de ingeniería Genética y Biotecnología (CIGB). Ave. 31 e 158 y 190, Playa, La Habana, Cuba.

³ Instituto Nacional de Investigación Agropecuaria (INIA), Estación Experimental INIA Salto Grande. Ruta 3, Camino al Terrible SN, Salto 50000, Uruguay.