

A NEW VISION OF THE DISTRIBUTION OF Y-CHROMOSOME STRs IN DOMINICAN REPUBLIC USING POWERPLEX® Y23 SYSTEM

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We have studied the distribution of Y-chromosome STRs and established a database within population samples from Dominican Republic by analyzing male-specific markers using Powerplex® Y23 System. Laboratorio Clinico Patria Rivas collected in the population samples and this population is truly representative of the entire country. The distribution of Y-chromosome is a powerful tool to study human evolution pathways and to infer about major and local male migration movement or patterns. The aim of the present study is to present a new and complete vision of Dominican samples who reflect the largely heterogeneous population and our work was to analyze more samples plus a revision of our anterior publication of Dominican Male individuals to evaluate the allelic frequency, thus, the possibility to implement a genetic database.