

Allelic Frequency Distribution of Four RFLP Loci (D12S11, D17S79, D7S467, D4S163) in Argentina

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INTRODUCTION

Since differences in the allelic frequency distribution are found among different populations at different polymorphic systems, it is important for the DNA laboratory to know the local frequency distribution of any locus, in order to be able to give a fair value to the PI (Paternity Index) and PP (Probability of Paternity). We report the allelic frequency distribution of four RFLP loci (D12S11, D17S79, D7S467, D4S163) in the population of Buenos Aires city.

MATERIALS AND METHODS

Non-related individuals (variable N for different loci) were randomly chosen from the metropolitan area of Buenos Aires city, whose ethnic composition is mainly Caucasian with a slight indigenous component. DNA was extracted from whole blood by non-organic procedure, Pst I digested and Southern transferred to nylon membranes. Hybridization was performed using unilocus alkaline phosphatase labeled probes.