

POLIMARKER AND HLA DQA1 GENE AND GENOTYPIC FREQUENCIES DISTRIBUTION AMONG THE STATE OF BUENOS AIRES

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The population of the state of Buenos Aires represents almost 37% of the Argentinean total population. However, population densities exhibit a wide variation from the countryside to industrial regions.

Polimarker and HLA DQA1 gene and genotypic frequencies distribution among the state of Buenos Aires were estimated in the present report from samples (n+50) taken from all the nine Judicial Districts, which covers the full region.

The estimated gene frequencies showed similarities with reported data for the U.S. Hispanic population. With regard to genotypic distribution, Hardy-Weinberg equilibrium was observed for all loci and all population, (exact p-value =0.4615, estimated by the Markov chain method).

At DQA1 locus, a tendency to heterozygote deficit was observed, FIS varying from +0.2 (allele 2) to -0.08 (1.3 allele). A detailed analysis of the genotypes showed several frequencies, such as 1.3 with 4.2.