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Abstract

Human mtDNA has higher polymorphism level than core-DNA, especially in the D-loop region, which is non-coding region and the most polymorphic in the mitochondrial genome. The sequence variation analysis of D-loop region can be used to determine individual or ethnic, as well as maternal familial relationship. The aim of the research was to determine the nucleotide variation of maternal inheritance using a buccal swab. The method of research was analytical observational. The results of research showed that the 126 bp (HVSII, nt 59-134) fragment of the D-Loop region was successfully amplified and the found of haplotype: G101A, G107A, T118A, C129T, T160A. (FMI 2013;49:88-90)

Keyword : Variants, mitochondrial, DNA, D-Loop, .

Daftar Pustaka :