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FAMILY ORIGIN NAMES AND HAPLOTYPES OF Y-DNA IN KOREAN POPULATION

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The use of restriction fragment length polymorphisms(RFLPs) has been proposed for the construction of a human genetic linkage map and also become a powerful tool in human population genetics. Human Y-chromosome which is haploid and paternally inherited is valuable for investigating male-mediated gene flow and for complementing maternally based studies of mtDNA. We have studied 166 samples from 4 kinds of family origin names such as Kyungju Kim, Kimhae Kim, Chunju Lee and Milyang Park based on the 49a/Taq I polymorphisms, and a total of 25 haplotypes were observed. The B, F, and I bands is observed in all haploytpes and haplotype showing A3, B, D2, D3, F, and I bands is common haplotype except for Chunju Lee.

The result obtained are summarized as follows.

Family origin Name	No. of sample	No. of Haplotype	No. of Bands of Typical type	%
Kyungju Kim	48	10	14 bands (A3, B, D2, D3 E, F, G, H, I, J, L, M, O, and P)	33
Kimhae Kim	46	18	11 bands (B, E, F, G, H, I, J, L, M, O, and P)	22
Chunju Lee	26	8	13 bands (A5, B, D2, E, F, G, H, I, J, L, M, O, and P)	42
Milyang Park	48	9	14 bands (A3, B, D2, D3 E, F, G, H, I, J, L, M, O, and P)	27

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Allelic Distribution of Five VNTR and STR Loci (D1S80, LPL, FABP, TFIID, F13B) in Korean Population Using Amp-FLP Techniques.

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The VNTR and STR regions are informative markers for the genetic characterization of individuals and personal identification in forensic science. In this study, the allelic distribution of five VNTR and STR loci ; D1S80, LPL, FABP, TFIID, F13B have been determined by amplified fragmemnt length polymorphism(Amp-FLP) from unrelated Korean individuals. The results showed that our population data satisfied Hardy-Weinberg equilibrium expectations. Some statisitical value which determine the usefulness of each locus for forensic identification were also determined. We also introduce some minor interalleles of D1S80. The results from this research are in use nowadays in forensic identification of our laboratory.