



جامعة الإمارات العربية المتحدة
United Arab Emirates University

The College of Graduate Studies and the College of Science Cordially Invite You
to a

Master Thesis Defense

Entitled

STUDY OF Y-CHROMOSOME STR MARKERS IN UNITED ARAB EMIRATES POPULATION

by

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Abstract

By using the recently introduced 6-dye Yfiler Plus multiplex which includes 27 Y-STR loci (DYS576, DYS389I, DYS635, DYS389II, DYS627, DYS460, DYS458, DYS19, YGATAH4, DYS448, DYS391, DYS456, DYS390, DYS438, DYS392, DYS518, DYS570, DYS437, DYS385 a/b, DYS449, DYS393, DYS439, DYS481, DYF387S1a/b and DYS533). This set of loci including seven rapidly mutating loci (RM Y-STRs). These RM Y-STRs are useful for the discriminating between closely related and unrelated males. 343 UAE Arabs male individuals were analyzed using (Yfiler Plus® amplification kit). The objectives of this study are to study the Y chromosome polymorphism among UAE Arabs male population. And to study the forensic parameters of 27 Y-STR loci among UAE Arabs male population.

Keywords: Y- Chromosome, STR, Loci, Haplotype, Genetic diversity, Discrimination capacity, Haplotype diversity.