

Y Chromosome Polymorphism Among Five Different Ethnic Groups of Haryana

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ABSTRACT Size variability of the Y chromosome among five different ethnic groups of Haryana, viz. Jat, Ahir, Saini, Kamboj and Ror, was evaluated during the present investigation. As many as four Y indices were calculated using four different sets of chromosomes as "Standard chromosomes" namely 13-15 (Y/D index), 16-18 (Y/E index), 19-20 (Y/F index) and 21-22 (Y/G index) and compared with different populations of the world. Long Y chromosome was recorded in one individual each of the Saini and Kamboj samples. Its frequency was noted to be five percent in each of these groups. The "t-test" was applied to find out whether inter group differences are significant or no-significant. Various aspects of the Y chromosome polymorphism have been discussed in the light of existing data.