

MOLECULAR INVESTIGATION IN WISTAR RATS BY RAPD TYPING

ABSTRACT : Sixty Wistar samples were used for developing applicability of twenty RAPD primers. A total of 1160 bands were scored. The percent polymorphism was 0.015 but this polymorphism was not statistically significant ($P>0.05$). Mean difference, Single Linkage Euclidean distances among ten groups (Wis1 to Wis10) were calculated. Our results suggest that the some primers may also be used as identifying markers with other polymorphic alleles and may satisfactorily be used for rapid and genetic characterization, evaluation and strain improvement by biotechnologists.

Key Words: Laboratory rats, Molecular characterization, Muridae, Phylogenetic Analysis, RAPD.
