

DNA finger printing

A DNA finger print of an individual is prepared by digesting its DNA with a restriction enzyme, subjecting the DNA digest to electrophoresis and southern hybridization with a probe specific for a highly variable region so that a large amount of polymorphism is generated. In case of human beings, minisatellite DNA' are used as probes, but such probes are not available for plants. Therefore RFLP's are commonly used for the identification of commercial varieties. DNA finger prints are also prepared by using as probes simple sequence repeat oligonucleotides like (CT)_n or (AC)_n and even human minisatellite DNA, E.g. In rice.

dmohankumar.wordpress.com