

**DEVELOPMENT OF MOLECULAR MARKERS TO DETECT GENETIC
POLYMORPHISM OF *HEVEA* CLONES**

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ABSTRACT

It is useful to identify the genetic variation among the *Hevea* genotypes in rubber breeding and selection. Studies were conducted to identify RFLP markers for the detection of genetic variation of rubber clones recommended for planting by the Rubber Research Institute of Sri Lanka.

Putative repetitive DNA sequences previously identified from a *Hevea* genomic library were used, to probe genomic blots derived by digesting with six restriction enzymes.

DNA probes used in this study revealed genetic polymorphism among *Hevea* clones studied. Clear genetic differences were identified in clones RRIC 102, RRIC 121 and GPS 1 (42-559).

Key words: genetic polymorphism, *Hevea brasiliensis*, molecular markers, RFLP