A TaqI RFLP identified at the retinoblastoma locus on chromosome 13

R. Shiang, J.C. Murray, J. Wiggs and T. Dryja

Department of Pediatrics, University of Iowa, Iowa City, IA 52242 and Massachusetts Eye and Ear Infirmary, Boston, MA 02114, USA

SOURCE/DESCRIPTION: Probe D95HS0.5 is a 0.6 kb fragment subcloned into Bluescribe a pUC19 derivative from a bacteriophage library isolated by a cDNA probe of the retinoblastoma gene. The fragment is released with the enzymes HindIII and SalI.

POLYMORPHISMS: TaqI identifies a 2 allele polymorphism with a band at 2.1 kb and 1.8 kb with a frequency of 0.97 and 0.03 respectively. There are no constant bands.


CHROMOSOMAL LOCALISATION: Probe assigned to chromosome 13 using a linkage analysis with retinoblastoma1.

MENDELIAN INHERITANCE: Codominant inheritance shown in 3 CEPH pedigrees

PROBE AVAILABILITY: Contact T. Dryja

OTHER COMMENTS: A Kpnl RFLP was previously reported with allele sizes of 12.0 and 8.0 and a frequency of 0.95 and 0.05 respectively. *Also not polymorphic for StuI, XbaI, XhoI, XmnI tested in 7 to 10 unrelated Caucasians.