The anonymous probe pF5A identifying the locus D13S61 detects RFLPs with XmnI and BanII

Anne M. Bowcock and Joan M. Hebert

Department of Genetics, Stanford University, Stanford, CA 94305, USA

SOURCE/DESCRIPTION: Probe pF5a contains a 4.0kb fragment from phage 13.F1 which was subcloned into the HindIII site of pBR322. Phage 13.F1 was isolated from a chromosome 13 specific library constructed in Charon 21A.

POLYMORPHISM: BanII (GPuGCPy/C) detected a two allele polymorphism with fragment lengths of 5.4kb and 5.2kb and a constant band of 4.5kb. XmnI (GAANN/NTTC) detected a two allele polymorphism with fragments of 8.0kb and 7.5kb.

NOT POLYMORPHIC FOR: BamHI, BclI, BglII, DraI, EcoRI, HaeII, HindIII, HinfI, HphI, MboI, MboII, MspI, RsaI, SstI, StuI and TaqI

FREQUENCY: In 156 unrelated Caucasoids for XmnI,
A1 (8.0kb) = 0.17
A2 (7.5kb) = 0.83

CHROMOSOMAL LOCALISATION: To chromosome 13 on the basis of two point linkage with loci known to be located on this chromosome (1).

MENDELIAN INHERITANCE: Co-dominant segregation was observed in 7 families (79 individuals)

PROBE AVAILABILITY: Available for collaboration. Contact A. M. Bowcock

COMMENTS: BanII and XmnI appear to detect the same polymorphism, suggesting that it is due to an insertion/deletion event.

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REFERENCES:

- 1). Bowcock et al., (HGM10) Cytogenet. Cell Genet. A2082, (in press).