
Isolation and mapping of a polymorphic DNA sequence (pEFZ31) on chromosome 22 [D22S32]

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SOURCE/DESCRIPTION: A 3.1 kb MspI fragment from the cosmid EFZ31 was subcloned into the AccI site of pUC18.

POLYMORPHISM: MspI identifies a 2 allele polymorphism (M1 : 3.5 kb, M2 : 2.6 kb).

FREQUENCY: Estimated from 48 unrelated Caucasians.
MspI M1 : 0.60
 M2 : 0.40

NOT POLYMORPHIC FOR: RsaI, BglII, PstI, PvuII, BamHI, HindIII and EcoRI

CHROMOSOMAL LOCALIZATION: This probe is assigned to chromosome 22 by linkage analysis (1) with a locus (D22S1) known to be on this chromosome (2).

MENDELIAN INHERITANCE: Co-dominant segregation has been observed in 24 three generation families.

PROBE AVAILABILITY: Contact Y.N..

OTHER COMMENTS: RFLPs were observed under normal conditions of hybridization and washing.

REFERENCES:

1. G.M. Lathrop et al., Am. J. Hum. Genet. 37:482-498 (1985)
2. P. Tippett and J.-C. Kaplan, Cytogenet. Cell Genet. 40:268-295(1985)