
Isolation and mapping of a polymorphic DNA sequence (pHHH119) on chromosome 1 [DIS59]

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SOURCE/DESCRIPTION: A 6.0 kb MspI fragment from cosmid HHH119 was subcloned into the AccI site of pUC18.

POLYMORPHISM: MspI identifies a 2 allele polymorphism (M1 : 6.0kb, M2 : 4.4kb).

FREQUENCY: Estimated from 74 unrelated Caucasians.

MspI	M1 : 0.10
	M2 : 0.90

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

CHROMOSOMAL LOCALIZATION: pHHH119 has been assigned to chromosome 1 by multipoint linkage analysis (1) with loci (REN,FY) known to be in this region (2,3).

MENDELIAN INHERITANCE: Co-dominant segregation was observed in 37 three-generation families.

PROBE AVAILABILITY: Contact Y.N.

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

REFERENCES:

1. M. Lathrop et al., Am. J. Hum. Genet. 37:482-498 (1985)
2. S. Povey et al., Cytogenet. Cell Genet. 40:67-106(1985)
3. P. O'Connell et al., abstract submitted to the Human Gene Mapping Workshop 9