
Isolation and mapping of a polymorphic DNA sequence (pTHH28) on chromosome 7p [D7S371]

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SOURCE/DESCRIPTION: A 2.5 kb MspI fragment from cosmid THH28 was subcloned into ClaI site of pBR322.

POLYMORPHISM: MspI identifies a 2 allele polymorphism (M1 : 3.5 kb, M2 : 2.5 kb).

FREQUENCY: Estimated from 63 unrelated Caucasians.

MspI	M1 : 0.29
	M2 : 0.71

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

CHROMOSOMAL LOCALIZATION: pTHH28 has been assigned to chromosome 7p by multipoint linkage analysis (1) with loci (COL1A2, TCRG) known to span this region (2).

MENDELIAN INHERITANCE: Co-dominant segregation of the MspI RFLP has been observed in 32 three generation families.

PROBE AVAILABILITY: Freely available (contact Y.N.) or will be available from ATCC.

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

REFERENCES:

1. G.M. Lathrop et al., Am. J. Hum. Genet. **37**:482-498 (1985)
2. G.M. Lathrop et al., Cytogenet. Cell Genet. **46**:642 (1988)