Isolation and mapping of a polymorphic DNA sequence (pMHZ17) on chromosome 13 [D13S51]

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SOURCE/DESCRIPTION: A 4.2 kb TaqI fragment isolated from the cosmid MHZ17 has been subcloned into AccI site of pGEM4.

POLYMORPHISM: TaqI identifies a two allele polymorphism (T1 : 4.2 kb, T2 : 3.2 kb).

FREQUENCY: Estimated from 65 unrelated Caucasians.

TaqI	T1 : 0.12
	T2 : 0.88

NOT POLYMORPHIC FOR: MspI, RsaI, PstI, PvuII and BglII

CHROMOSOMAL LOCALIZATION: pMHZ17 has been assigned to chromosome 13q by multipoint linkage analysis (1) with loci (D13S6, D13S1, ESD, D13S4) known to span this region(2,3).

MENDELIAN INHERITANCE: Co-dominant segregation of the VNTR polymorphism was observed in 21 three generation families.

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

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

REFERENCES:

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2. D.R. Cox and T. Gedde-Dahl, Cytogenet. Cell Genet. **40**:206-241 (1985)
3. M. Leppert et al., Am. J. Hum. Genet. **39**:425-437 (1986)