
Isolation and mapping of a polymorphic DNA sequence pMHZ15 on chromosome 10 [D10S17]

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SOURCE/DESCRIPTION: A 3.5 kb MspI fragment from cosmid MHZ15 was subcloned into the AccI site of pUC18.

POLYMORPHISM: MspI identifies a two allele polymorphism (M1 : 3.5 kb, M2 : 2.1 kb) without a constant band.

FREQUENCY: Estimated from 100 unrelated Caucasians.
M1 : 0.61
M2 : 0.39

NOT POLYMORPHIC FOR: TaqI, RsaI, PstI, BglIII and PvuII

CHROMOSOMAL LOCALIZATION: pMHZ15 has been assigned to chromosome 10 by multipoint linkage analysis(1) with loci (D10S1, D10S4, IRBP) known to span this region(2,3,4,5).

MENDELIAN INHERITANCE: Co-dominant segregation of the MspI RFLP was observed in 50 three generation families.

PROBE AVAILABILITY: Contact Y.N.

OTHER COMMENTS: RFLPs were observed under normal hybridization and wash stringencies.

REFERENCES:

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