
Isolation and mapping of a polymorphic DNA sequence (pCMM65) on chromosome 16 [D16S84]

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SOURCE/DESCRIPTION: A 3.2 kb *RsaI* fragment from cosmid CMM65 isolated by myoglobin-2 oligonucleotide (1) was subcloned into the *HincII* site of pUC18.

POLYMORPHISM: *MspI* identifies a 2 allele VNTR polymorphism with a band at 1.5 kb(M1) or 1.3 kb(M2) without a constant band. *TaqI*, *RsaI*, *BglII*, *PstI*, *EcoRI*, *BamHI* *HindIII* and *PvuII* also identify the same polymorphism.

FREQUENCY: Estimated from 111 unrelated Caucasians.
M1 : 0.37
M2 : 0.63

NOT POLYMORPHIC FOR: Not known

CHROMOSOMAL LOCALIZATION: pCMM65 has been assigned to chromosome 16 by linkage analysis(2) with a locus (HBZP1) known to span this region.

MENDELIAN INHERITANCE: Co-dominant segregation of the *MspI* RFLP was observed in 56 three generation families.

PROBE AVAILABILITY: Contact Y.N.

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

REFERENCES:

1. Y. Nakamura et al., *Science* 235: 1616-1622 (1987)
2. G.M. Lathrop et al., *Am. J. Hum. Genet.* 37:482-498 (1985)