## Isolation and mapping of a polymorphic DNA sequence (pCMM6) on chromosome 20 [D20S19]

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SOURCE/DESCRIPTION: A 4.0 kb PstI fragment from the cosmid CMM6 isolated by myoglobin-1 oligonucleotide(1) was subcloned into the PstI site of pUC18.

**POLYMORPHISM:** TaqI identifies a more than 10 allele VNTR polymorphism with a band between 2.3 and 6.0 kb. MspI, RsaI, PvuII and PstI also show the same polymorphism.

HETEROZYGOSITY: With TaqI, 87% heterozygosity has been observed in 78 unrelated Caucasians.

## NOT POLYMORPHIC FOR: BglII

CHROMOSOMAL LOCALIZATION: This probe is assigned to chromosome 20 by linkage analysis (2) with a locus (D20S1) known to be com this chromosome (3).

MENDELIAN INHERITANCE: Co-dominant segregation has been observed in 44 three generation families.

PROBE AVAILABILITY: Contact Y.N..

**<u>OTHER COMMENTS</u>: RFLPs were observed under normal conditions of** hybridization and washing.

## **REFERENCES:**

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- 3. P. Tippett and J.-C. Kaplan, Cytognet. Cell Genet. 40:268-295(1985)