Isolation and mapping of a polymorphic DNA sequence pHHH115.2 on chromosome 2 (D2S54)


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SOURCE/DESCRIPTION: A 1.7 kb MspI fragment from cosmid HHH115 was subcloned into the AccI site of pUC18.

POLYMORPHISM: MspI identifies a two allele polymorphism (M1 : 2.4 kb, M2 : 1.7 kb) without a constant band.

FREQUENCY: Estimated from 90 unrelated Caucasians.

M1 : 0.43
M2 : 0.57

NOT POLYMORPHIC FOR: Rsal, PstI, BglII, PvuII and TaqI

CHROMOSOMAL LOCALIZATION: pHHH115.2 has been assigned to chromosome 2 by multipoint linkage analysis(1) with loci (APOB, D2S6) known to span this region(2,3).

MENDELIAN INHERITANCE: Co-dominant segregation of the MspI RFLP was observed in 45 three generation families.

PROBE AVAILABILITY: Contact Y.N.

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

REFERENCES: