Isolation of a DNA sequence (EMBL 3.93, D9S37) from chromosome 9cen-qter detecting polymorphisms with *TaqI* and *MspI*

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SOURCE/DESCRIPTION: 13.5kb single copy clone in EMBL3 from a complete BamHI digest of DNA from the human lymphoblastoid cell line, Mann.

POLYMORPHISM: *MspI* (C/CGG) identifies a two allele polymorphism with bands at either 10kb, 7.2kb (A1) or 10kb, 6.4kb (A2). *TaqI* (T/CGA) identifies a two allele polymorphism with bands at either 8kb, 6.7kb (B1) or 12kb, 6.7kb (B2).

FREQUENCY:
Studied 51 European whites. Studied 34 European whites.
A1 allele 0.71 B1 allele 0.88
A2 allele 0.29 B2 allele 0.12

NOT POLYMORPHIC FOR:
BglII

CHROMOSOMAL LOCALISATION:
Probe assigned to chromosome 9cen-qter using a panel of 20 human-rodent somatic cell hybrids.

MENDELIAN INHERITANCE:
Co-dominant segregation demonstrated in 14 informative CEPH families with 107 children (*MspI*) and in one CEPH family/eight children (*TaqI*).

PROBE AVAILABILITY:
Available for collaboration. Contact N.K. Spurr.

OTHER COMMENTS:
RFLPs were observed under normal stringency (0.2 x SSC)

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