A hypervariable RFLP on chromosome 17p13 is defined by an arbitrary single copy probe p144-D6 [HGM9 No. D17S34]

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POLYMORPHISMS: RsaI identifies 14 polymorphic alleles. A1=5.3, A2=3.8, A3=3.5, A4=3.4, A5=3.3, A6=3.2, A7= 3.10, A8= 3.05, A9=3.00, A10=2.8, A11= 2.55, A12=2.50, A13=1.85, A14=1.65 kb.

FREQUENCIES: Studied 18 European Caucasians. A1=.083, A2=.028, A3=.167, A4=.028, A5=.028, A6=.055, A7=.167, A8=.055, A9=.055, A10=.028, A11=.028, A12=.028, A13=.22, A14=.028

CHROMOSOMAL LOCALIZATION: 17, by use of somatic cell hybrid panels and in situ hybridization. Regional localization to 17p13 was obtained by in situ hybridization.

MENDELIAN INHERITANCE: Codominant inheritance has been shown in Utah reference families K 1329, K1333 and K 1345, with a total of 38 children.

PROBE AVAILABILITY: Available to collaborators.

OTHER COMMENTS: PIC=0.86. The probe reveals a similar or identical RFLP with MspI, PstI, and TaqI. After prolonged autoradiographic exposure, at least one additional weakly hybridizing hypervariable locus is detected.

REFERENCE: Vissing H, Grosveld F, Solomon E, Moore G, Lench N, Shennan N, Williamson R (1987) Nucleic Acid Research 15:1363-1376.

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