
RFLPs revealed by cosmid 131 [HGM9 no. D17S78]

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POLYMORPHISMS: With probe p131-A8, MspI identifies a constant 2.7 kb fragment and a 2-allele RFLP with A1=4.5, A2=2.1+1.9 kb. With the 6.5 kb BamHI fragment probe, MspI identifies constant bands of 1.2, 1.0, 0.8 and 0.65 kb and a 2-allele RFLP with B1=3.1 and B2=2.1 kb.

FREQUENCIES: Studied at least 37 European Caucasians.
A1=.46, A2=.54; B1=0.52, B2= 0.48

NOT POLYMORPHIC WITH: Using DNA from 6 unrelated Caucasians, neither probe was polymorphic with TaqI, RsaI, EcoRI, HindIII, PvuII, BamHI, SacI, XbaI, DraI or BstEII

CHROMOSOMAL LOCALIZATION: Probe localized to 17q21-q23, by use of somatic cell hybrid panel.

MENDELIAN INHERITANCE: For both loci, codominant Mendelian inheritance was observed in five Utah informative reference families with a total of 32 children.

OTHER COMMENTS: Thirty of 41 unrelated individuals (73%) were heterozygous for one or both RFLPs.

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