Phage 8-10 identifies an RFLP on 11q23-qter [HGM9 no. D11S286]

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SOURCE AND DESCRIPTION OF CLONE. ϕ 8-10 was isolated from a genomic library of a mouse/human somatic cell hybrid containing an 11q-16q translocation as the only human chromosome. The 15 kb partial Sau3A human insert was cloned into the BamHI site of EMBL-3.

POLYMORPHISMS: BamHI identifies a constant fragment of 7.3 kb and a 2-allele RFLP with A1=8.8, A2=8.0 kb.

FREQUENCIES: Studied 29 European Caucasians. A1=.33, A2=.67

NOT POLYMORPHIC WITH: MspI, SacI, PvuII, BglII, RsaI

CHROMOSOMAL LOCALIZATION: Probe localized to 11q23-qter by use of somatic cell hybrid panel.

MENDELIAN INHERITANCE: Codominant inheritance has been shown in four Utah reference families with a total of 32 children.

AVAILABILITY: Will be available from ATCC.

OTHER COMMENTS: The probe contains repetitive sequences and must be prehybridized with total human DNA.

REFERENCE: C. Maslen et al (1988) Genomics, in press.

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