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**An anonymous X-chromosomal clone identifying a frequent RFLP at Xp21-22 (HGM8 provisional no. DXS207)**

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**SOURCE AND DESCRIPTION OF CLONE:** pPA4B, a 3.5 kb HindIII fragment subcloned in pAT153 from a human genomic Charon 21A library enriched for X-chromosomal sequences (Kunkel et al. Nucl. Acids Res. 10 1557 (1982)).

**POLYMORPHISM:** XbaI (T/CTAGA) identifies a simple two-allele polymorphism with either one band at 12.0 kb (A1) or two bands at 9.5 kb and 2.5 kb (A2).

**FREQUENCY:** Studied in 54 European Caucasians, 31 females, 23 males:

12.0 kb allele (A1) 0.68

9.5 kb allele (A2) 0.32

**NOT POLYMORPHIC FOR:** BstEII, EcoRI, EcoRV, HindIII, MspI, TaqI, using a panel of 5 unrelated Caucasians (9 X-chromosomes).

**CHROMOSOMAL LOCALISATION:** Between Xp21 and Xp22 using a panel of translocationhybrids (generous gift from Dr K.H. Grzeschick, Münster, FRG, and Dr H.-H.Ropers, Nijmegen, Holland).

**MENDELIAN INHERITANCE:** Codominant X-linked segregation shown in 5 informative families, 47 individuals.

**PROBE AVAILABILITY:** Available for collaboration.

**OTHER COMMENTS:** The 2.5 kb band (not shown in figure) is very faint, probably because only a short sequence is homologous to the clone.

**REFERENCE:** Ahrens et al. (1985) Cytogenet. Cell Genet. 40 567.

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