The single copy probe pG24E2.4 [D13S21] reveals a Bsp1286 RFLP at 13q14.1-q14.2.

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SOURCE/DESCRIPTION: pG24E2.4 contains a 2.4kb fragment subcloned into the EcoRI site of pBR329. The original fragment was subcloned from an EMBL bacteriophage derived from a chromosome 13 specific library (1,2).

POLYMORPHISM: Bsp1286 detects a two-allele polymorphism:

A1 = 1.4kb

A2 = 0.9kb + 0.5kb

Constant bands of 0.8kb and 0.65kb.

FREQUENCY: Estimated from 111 unrelated Caucasoids:

A1 = 0.45

A2 = 0.55

NOT POLYMORPHIC FOR: AluI, ApaLI, BamHI, BanII, BglI, BglII, BclI, BstEII, BstNI, DdeI, DraI, EcoRI, EcoRV, HaeIII, HincII, HindIII, HinfI, HphI, MboI, MboII, MspI, PvuII, PstI, RsaI, Sau96I, SstI, StuI, TaqI, XbaI, XmnI on a panel of at least six unrelated Caucasoid individuals

CHROMOSOMAL LOCALISATION: This probe has been localized to 13q14.1-13q14.2 using a panel of cell lines with different interstitial chromosome 13 deletions (3)

MENDELIAN INHERITANCE: Co-dominant segregation was shown in 32 informative families, 387 individuals.

PROBE AVAILABILITY: Available for collaboration. Contact C.H.C.M. Buys.

REFERENCES: 1. Scheffer et al., (HGM8) Cytogenet. Cell Genet. (1985) 40:738
2. Scheffer et al., Hum. Genet. (1987) 74:249-255
3. Scheffer et al., Hum. Genet. (1987) 77:335-337

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