A further RFLP of the cosmid KK5.33 (D5S85) on chromosome 5q

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Source and Description of the Clone: The cosmid KK5.33 was isolated from a cosmid library made from a somatic hybrid cell line (HHW141) which contained 30% of human chromosome 5 (Vector: pWE15).

Polymorphism: A two-allele (A1 and A2) TaqI RFLP with bands at 9.0 and 8.0 kb, and a two-allele (B1 and B2) PstI RFLP with bands at 8.0 and 6.0 kb have been described (1). Here we report on a third two-allele RFLP (C1 and C2) with bands at 3.0 and 2.6 kb following BclI digestion (see Fig.).

Frequency: (Studied in 30 unrelated Caucasians.)

C1: 0.50

C2: 0.50

Chromosomal Localisation: 5q14–q21 (1).

Mendelian Inheritance: Co-dominant segregation demonstrated in 12 nuclear kindreds.

Probe Availability: Contact Y.N. at the above address.

Other Comments: The BclI RFLP is in linkage disequilibrium with the TaqI RFLP. Constant bands at 12 and 7 kb.

Acknowledgement: This study was supported by the Herbert-Reeck-Stiftung.

Reference: 1) Nakamura *et al.* (1988) *Am. J. Hum. Genet.* **43**, 638–644.

Multiple RFLPs of human complement component nine (C9) detected by TaqI

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Source/Description: Human cDNA clone C9–30 and C9–26 ligated together and thereby containing the entire coding sequence (1).

Polymorphism: TaqI identifies several RFLPs, two of which are reported here and each contain two alleles; A1: 7.6 kb, A2: 6.6 kb and B1: 14 kb, B2: 16 kb, with constant bands at 4.7, 3.5 and 3.3 kb.

Frequency: A1: 60% B1: 97%
 A2: 40% B2: 3%

Not Polymorphic For: XbaI, BglII, HaeIII, HpaI, HpaII, KpnI, PstI, EcoRI, BanI, HinFI, DraI, HinIII, SacI, HinFII.

Chromosomal Localisation: Human chromosome 5 (2).

Mendelian Inheritance: Co-dominant segregation of the two RFLPs observed in 8 two generation families.

Probe Availability: K.K.Stanley, Heart Research Institute, Missenden Road, Camperdown, Sidney, New South Wales 2050, Australia.

Other Comments: Standard hybridization and washing conditions.

Acknowledgement: We would like to thank Heidi Tomter Kyrkjebø for excellent technical assistance.

References: 1) K.K.Stanley *et al.* (1985) *EMBO J.* **4**, 375–382.
2) S.Rogne *et al.* (1989) *Genomics* **5**, 149–152.