pACHF1.1 [D16S8] detects a common *Pvu*II RFLP and maps at 16p13.3--16p13.11

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SOURCE AND DESCRIPTION OF CLONE: ACHF1 (D16S8) was isolated from an *Eco*RI λ Charon 4A library as previously described (Fratini *et al.*, 1988). A 1.7 kb *Eco*RI-*Xba*I human insert from ACHF1, has been subcloned into pUC18. The clone contains repetitive sequences.

POLYMORPHISM: *Pvu*II identifies a two-allele polymorphism with bands at either 3.8 kb (A1) or 2.2 kb (A2).

FREQUENCY: Studied in 26 unrelated Caucasians.

3.8 kb allele (A1) 0.52

2.2 kb allele (A2) 0.48; PIC value = 0.38

NOT POLYMORPHIC FOR: *Bam*HI, *Ban*II, *Bcl*II, *Bgl*III, *Eco*RI, *Hinc*II, *Hind*III, *Hinf*I, *Msp*I, *Pst*I, *Rsa*I and *Taq*I, with a panel of 6 unrelated individuals.

CHROMOSOMAL LOCALISATION: Localised to 16p13.3->16p13.11 using a panel of somatic cell hybrids (Callen, 1986) and by *in situ* hybridisation as distal to *FRA16A*.

MENDELIAN INHERITANCE: Codominant inheritance was shown in UTAH Family 982.

PROBE AVAILABILITY: Available on a collaborative basis from G.R. Sutherland.

OTHER COMMENTS: Probe requires pre-reassociation with sonicated human genomic DNA.

REFERENCES: Callen (1986), *Ann. Genet.* 29 : 235-239.¹
Fratini *et al.* (1988), *Nucleic Acids Res.*

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¹ refers to the first RFLP report in this series.