A PvuII RFLP in the human ADH2 gene

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SOURCE/DESCRIPTION : A 1.8kb fragment of ADH2 gene isolated from human liver cDNA library (Ikuta et al., 1985) was cloned into pUC 13 and excised by EcoRI digestion.

POLYMORPHISM : PvuII identifies a 2 allele polymorphism.
A1: 6.6kb, A2: 4.9kb and 1.2kb (Figure 1)

FREQUENCY : Estimated on 18 unrelated Caucasians
PvuII A1, A2 allele 0.53; PvuII A1 allele 0.27; PvuII A2 allele 0.20

NOT POLYMORPHIC FOR

BamHI

CHROMOSOMAL LOCALISATION ; Localised on chromosome 4q21-q24
(Smith et al., 1985)

MENDALIAN INHERITANCE : Co-dominant segregation was found in four informative families

PROBE AVAILABILITY : λ ADH14 Available from T.J.Peters or A.Yoshida

REFERENCE ; Ikuta, T; Fujiyoshi, T; Kurachi, K; and Yoshida, A. (1985) Proc. Natl. Acad. Sci. 82, 2703-2707 Smith M; Duyster G; Carlock, L; and Wasmuth J. (1985) Cytogenet. Cell. Genet. 40 748