RFLP identified by the anonymous DNA segment FZ IV E11 at 1p23 [HGM9 no.D1S87]

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SOURCE AND DESCRIPTION OF CLONE : a 0.90·Kb single copy EcoRI-HindIII fragment subcloned in pTZ18R derived from a Lawrence Livermore flow sorted chromosome 22 library (ID code LL22NS01).

POLYMORPHISM : TaqI identifies a simple two alleles polymorphism with bands at either 9.5 Kb (A1) or 6.5 Kb (A2).

FREQUENCY : Studied in 24 unrelated Caucasians, 9.5 Kb allele:(A1) 0.65
6.5 Kb allele (A2) : 0.35 .

NOT POLYMORPHIC FOR : MspI in 22 unrelated individuals.

CHROMOSOMAL LOCALISATION : Localised to 1p23 by somatic cells hybrids and in situ hybridization.

MENDELIAN INHERITANCE : Codominant inheritance demonstrated in 2 three generation families (13 and 14 members respectively).

PROBE AVAILABILITY : Available. Contact G. Thomas.

OTHER COMMENTS : Low background at usual stringency (2 x SSC, 65° C).

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