RFLP identified by the anonymous DNA segment OLVIIF5 at 21q22.1-22.3 [HGM9 no.D21S143]

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SOURCE AND DESCRIPTION OF CLONE : a 1.2 Kb single copy EcoRI-HindIII fragment subcloned in pTZ18R derived from a Lawrence Livermore flow sorted chromosome 18 library (ID code LL18NS01).

POLYMORPHISM : TaqI identifies a simple two alleles polymorphism with bands at either 5.9 Kb (A1) or 5.0 Kb (A2).

FREQUENCY : Studied in 30 unrelated Caucasians, 5.9 Kb allele (A1) : 0.48. 5.0 Kb allele (A2) : 0.52.

NOT POLYMORPHIC FOR : MspI in 12 unrelated individuals.

CHROMOSOMAL LOCALISATION : Localised to 21q22.1-22.3 by somatic cells hybrids and in situ hybridization.

MENDELIAN INHERITANCE : Codominant inheritance demonstrated in one, three generation family (12 individuals).

PROBE AVAILABILITY : Available. Contact G. Thomas.

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

ACKNOWLEDGEMENTS : This study was supported by the Ligue Nationale Française contre le Cancer, Section de Paris.
Special acknowledgements are given to Dr. Van Dilla and Dr. Frelat.