Two *Taq* I RFLPs for human α -2 macroglobulin (α 2M) using a full length cDNA probe

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SOURCE/DESCRIPTION : The probe utilized (1) is p α 2M1, which carries a 4.6 kb cDNA insert of the α 2M gene

POLYMORPHISM : A first *Taq* I common RFLP is present for the 13.5 kb band, some individuals having another 10.8 kb band, and heterozygous individuals the two 13.5-10.8 kb band at similar intensities. An other common *Taq* I RFLP is present for the 2.5 kb band, some individuals having another 2.7kb band and heterozygous the two at 2.7-2.5 kb

FREQUENCY : Frequencies of the rarest alleles studied in 38 Caucasian chromosome 12 are : *Taq* I 10.8 kb allele .46, *Taq* I 2.7 kb band .43, and two polymorphisms are not in marked linkage disequilibrium

NOT POLYMORPHIC FOR : *Eco* RI, *Hind* III, *Bam* HI, *Pst* I and *Msp* I, all with a panel of 20 unrelated Caucasians

CHROMOSOMAL LOCALISATION : Probe located to chromosome 12 (1)

MENDELIAN INHERITANCE: Codominant segregations of alleles in two informative families (first RFLP) and in three informative families (second RFLP)

PROBE AVAILABILITY : Available for collaboration, after permission (Dr Fey, La Jolla, USA)

OTHER COMMENTS : No problem on RFLP analysis under normally stringent conditions

REFERENCE : (1) Kan et al., Proc. Natl. Acad. Sci. USA 1985, **82** : 2282-2286