A new TaqI polymorphism of the complement factor B gene

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SOURCE/DESCRIPTION : A full length factor B cDNA insert from clone pFB3B (1) which detects the TaqI polymorphism previously described at the C2 and BF loci (2).

POLYMORPHISM : TaqI (T↓CGA) identifies a new allele resulting from an additional site subdividing the 3.1 kb fragment of the BF gene (2) into two fragments of 1.9 and 1.2 kb.

FREQUENCY : A1 allele (3.1 kb): 95%, A2 allele (1.9+1.2): 5%
Studied in 20 unrelated Lebanese and 20 unrelated French.

CHROMOSOMAL LOCALIZATION : On the short arm of chromosome 6, between the gene for complement C2 and the C4A gene of the MHC.

MENDELIAN INHERITANCE : Co-dominant segregation demonstrated in one Lebanese family (see figure) and in one French family.

PROBE AVAILABILITY : Available from Dr. D. Campbell.

OTHER COMMENTS : Run on 0.8% agarose gel and hybridized under high stringency conditions.

REFERENCES : (1) Morley, Campbell: EMBO J 3: 153-157, 1984
(2) Cross, Edwards, Bentley, Campbell: Immunogenet 21:39-48, 1985

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