Human apolipoprotein CI (ApoC1) gene locus: BglI dimorphic site

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SOURCE/DESCRIPTION 0.3kb human apolipoprotein CI cDNA fragment isolated from a human liver cDNA library and subcloned into the EcoRI site of pBR329 (1).

POLYMORPHISM BglI (GCCNNNNNGGC) (International Biotechnologies, Inc.) detects a single two-allele polymorphism with bands at either 6.2kb or 8.7kb.

FREQUENCY Studied in 61 unrelated Germans and 79 unrelated Northern Americans.

	Northern Americans	Germans
8.7kb allele	0.025±0.012	0.016±0.011
6.2kb allele	0.975±0.012	0.984±0.011

CHROMOSOMAL LOCALISATION Human apolipoprotein CI gene located on chromosome 19 by Southern blot hybridization of DNA from human-rodent somatic cell hybrids (2,3).

MENDELIAN INHERITANCE Co-dominant segregation observed in 3 families (19 individuals).

PROBE AVAILABILITY Requests for probe to P.F. at the above address.

OTHER COMMENTS Regular background under usual stringency conditions.

REFERENCES 1- Appleby.V.A. and Levy-Wilson,B. (unpublished)
2- Knott,T.J. et al. (1984) B.B.R.C. 125, 299-306
3- Tata,F. et al. (1985) Hum. Genet. 69, 345-349

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