Two new ApoB gene polymorphisms: Rs3 and Rs4

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SOURCE/DESCRIPTION : 2.0 kb fragment intestinal cDNA clone I(2)1 subcloned in pUC18. (1)

POLYMORPHISM : RsaI (BRL Bethesda Md) digests identifies 7 fragments: 2.2, 2.0, 1.4, 1.2, 0.7, 0.6 and 0.4 kb, spanning 12 kb of the ApoB gene. RsaI RFLP Rs3 detected at 1.6 kb (Fig C) and Rs4 at 2.4 kb (fig D).

FREQUENCY : Rs3: 9/67 unrelated caucasians
Rs4: 1/67 unrelated caucasians

NOT POLYMORPHIC FOR:

CHROMOSOMAL LOCALISATION : 2p23-24 by in-situ hybridization (2).

MENDELIAN INHERITANCE : demonstrated for Rs3.

PROBE AVAILABILITY : Protter A.A.

OTHER COMMENTS : 1.3 kb SstI fragment of I(2)1 localizes Rs3 near exon 26.
Rs4 similarly localizes near exon 26.

REFERENCE : (1) Protter A.A. PNAS 83(1986)5678-5682
(2) Law S.W. PNAS 82(1985)8340-8344

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