
Hind III RFLP in the lipoprotein lipase gene, (LPL)

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SOURCE/DESCRIPTION: Synthetic 45 base oligodeoxynucleotide representing a sequence from the 3' terminus of the lipoprotein lipase gene (see availability section).

POLYMORPHISM: Hind III identifies a two allele polymorphism with restriction fragments of 6 kb (H1) and 11 kb (H2).

FREQUENCY: Both in 50 randomly selected students and in 50 CHD patients the allelic frequencies were 0.74 for the H1 allele and 0.26 for the H2 allele.

NOT POLYMORPHIC FOR: In 18 individuals no polymorphisms were detected with Taq I and Sac I.

CHROMOSOMAL LOCALISATION: Not known.

MENDELIAN INHERITANCE: Codominant segregation was found in 2 families (4 and 7 individuals, respectively).

PROBE AVAILABILITY: The probe was chemically synthesized starting with nucleotide 1556 and ending with nucleotide 1600 as numbered in (1).

OTHER COMMENTS: Phenotype frequencies were in Hardy-Weinberg equilibrium.

REFERENCE: Wion, K.L. et al. (1987) Science 235, 1638-1641.

ACKNOWLEDGEMENTS: We wish to thank D. Stapenhorst and A. Reckwerth for expert technical assistance. Sponsored in part by a grant from Deutsche Forschungsgemeinschaft (As 26/12-1).

