PvuII polymorphic sites in the human insulin receptor gene INSR

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SOURCE/DESCRIPTION A 4.2 kb EcoRI fragment cloned in pBR 327 (pINSR 13-1, Shaw et al., 1985), which covers amino acid 295 to the poly A tract of the human insulin receptor gene (Ullrich et al., 1985).

POLYMORPHISM Pvu II (CAGCTG) (Toyobo, Osaka, Japan) identifies 2-allele polymorphism with a band at 4.4 kb or 3.8 kb, and several constant bands.

FREQUENCY Studied 42 unrelated Japanese.
4.4 kb allele 0.08
3.8 kb allele 0.92

NOT POLYMORPHIC FOR Not extensively tested.

CHROMOSOMAL LOCALISATION 19p 13.3-19p 13.2 (Yang-Feng et al., 1985)

MENDELIAN INHERITANCE Co-dominant segregation observed in 1 informative family (6 individuals)

PROBE AVAILABILITY Write to G.I. Bell.

OTHER COMMENTS No problem on RFLP analysis under usual stringent conditions.

REFERENCE Ullrich A. et al. Nature (1985) 313:756-761.
Yang-Feng T.L. et al. Science (1985) 228:728-731.
Shaw D.J. et al. Nucl. Acids. Res. (1985) 13:8661.