RFLP for TaqI of the human thyroid papillary carcinoma (PTC) oncogene

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SOURCE/DESCRIPTION: The probe was a 1.2 Kb HindIII - HindIII DNA fragment (p1.2) from a genomic lambda phage library constructed with a tertiary NIH-3T3 transfectant obtained by transfection with a human thyroid papillary carcinoma DNA (1).

POLYMORPHISM: TaqI digestion reveals two polymorphic bands of 8.0 Kb (a) and 7.4 Kb (b).

FREQUENCY: Analysed 97 unrelated European Caucasians: 8 Kb (a) = 0.27; 7.4 Kb (b) = 0.73.

NOT POLYMORPHIC FOR: BamHI; BglII; PvuII.

CHROMOSOMAL LOCALIZATION: p1.2 was localized to 10q using a panel of rodent-human cell lines and by in situ-hybridization.

MENDELIAN INHERITANCE: Co-dominant segregation has been shown in three families.

PROBE AVAILABILITY: On a collaboration basis, contact A. Fusco.

REFERENCES: A. Fusco et al., Nature, 328: 170-172 (1987).

ACKNOWLEDGEMENTS: Supported by CNR "Progetto Finalizzato Oncologia" and Associazione Italiana Ricerca Cancro.