A new polymorphic probe on chromosome 3p: λ LIB49-60 [D3S155]

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SOURCE/DESCRIPTION: λ LIB49-60 is a 4.3 kb EcoR I fragment isolated from a Charon 21A human chromosome 3 library (1).

POLYMORPHISM: Taq I digestion of genomic DNA and hybridization with this probe detects a two allele polymorphism: 2.1 kb (T1) and 1.5/0.6 kb (T2). Constant bands are present at 1.0 and 0.8 kb.

FREQUENCY: Estimated from 25 unrelated Caucasians.

T1 : 0.66

T2 : 0.34

NOT POLYMORPHIC FOR: BamH I, Dra I, EcoR I, Hind III, Msp I, Pst I, Rsa I, and Taq I.

CHROMOSOMAL LOCALIZATION: The probe was assigned to chromosome 3p14-3p24 using a somatic cell hybrid panel (2).

MENDELIAN INHERITANCE: Mendelian inheritance has been demonstrated in a 3 generation informative VHL (von Hippel-Lindau) family,

PROBE AVAILABILITY: Available for collaboration

OTHER COMMENTS: The probe sequences are highly conserved between human and rodent species and was also present in chicken.

REFERENCES:

1. American Type Culture Collection No. 57748.
2. Brauch, H. et al.: Human Gene Mapping 10, Abstract No. A2212, 1989 (in press).

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