An anonymous single-copy clone, p30-1-60, identifies a frequent RFLP on chromosome 3p [HGM9 no. D3S86]

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SOURCE AND DESCRIPTION OF CLONE: p30-1-60 is a 1.0 kb single-copy Sau3A fragment of human genomic cosmid 2-30 subcloned into the BamHI site of pSP65.

POLYMORPHISMS: RsaI identifies a 2-allele RFLP with A1=1.60, A2=1.25 kb

FREQUENCIES: Studied 71 European Caucasians. A1=.61, A2=.39

NOT POLYMORPHIC WITH: TaqI, MspI

CHROMOSOMAL LOCALIZATION: p30-1-60 has been assigned to chromosome 3p by two point linkage analysis with loci (RAF1 and ERBA2) known to reside in this region.

MENDELIAN INHERITANCE: Co-dominant segregation of the RsaI polymorphism was observed in 24 three generation families.

PROBE AVAILABILITY: Available for collaboration (contact M.L.); will be available from ATCC.

OTHER COMMENTS: Final stringency wash is with 0.1XSSC/0.1% SDS at 50-55°. Higher temperatures wash off most of the probe.

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