

**A BamHI-polymorphism is detected by a genomic p53-clone (pBHP53)**

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SOURCE/DESCRIPTION: A 4.1 kb BamHI fragment from cosmid BHP53.2 isolated with a p53 cDNA (p53 J6K; 1) was subcloned into the BamHI site of pUC18.

POLYMORPHISM: Bam HI identifies a 2 allele polymorphism (A1:4.1 kb, A2:2.1 kb) with no constant bands.

FREQUENCY: Estimated from 98 unrelated caucasians.

BamHI A1 : 0.44

A2 : 0.56

NOT POLYMORPHIC FOR: BglIII, EcoRI, HindIII, MspI, PstI, PvuII, RsaI and TaqI.

CHROMOSOMAL LOCALISATION: Confirmed localisations to 17p13.1 with somatic cell-hybrids as described by Baker et al (2).

MENDELIAN INHERITANCE: Co-dominant segregation of this polymorphism was observed in 25 three generation families.

PROBE AVAILABILTY: Will be made available through ATCC.

OTHER COMMENTS: The probe was pre-associated with total human DNA. Otherwise, RFLPs were observed under normal hybridization and wash stringencies.

REFERENCE: 1. Lamb and Crawford, Molec. Cell Biol. 6:1379-1385 (1986)  
2. Baker, S J et al, Science 244:217-221 (1989)