A rare *TaqI* RFLP immediately 3' of the *HEXB* gene on chromosome 5

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SOURCE AND DESCRIPTION OF CLONE: A genomic 1.9kb *TaqI* fragment containing the last exon (exon 14) of the *HEXB* gene was subcloned from the B3 fragment of pCosHex1 (Neote K. *et al*, 1988) into the *AccI* site of Bluescript KS. This plasmid was called pHexB3T1.9.

POLYMORPHISM: *TaqI* identifies a two allele polymorphism with bands at either 1.9kb or 3.1kb. The *TaqI* site that lies 3' of exon 14 is polymorphic.

FREQUENCY: Three out of 40 individuals in the C.E.P.H. panel were heterozygous giving a frequency of 0.98 for the 1.9kb allele and 0.02 for the 3.1kb allele.

NOT POLYMORPHIC FOR: *AvaII*, *BamHI*, *BclI*, *BglIII*, *EcoO109*, *EcoRI*, *EcoRV*, *HindIII*, *HphI*, *MspI*, *PstI*, *PvuII*, *RsaI*, *SacI*, *StyI*, *XmnI*, with a panel of 5 unrelated Caucasians.

CHROMOSOMAL LOCALIZATION: The *HEXB* gene has been localized to 5q13 (Dana and Wasmuth, 1982).

MENDELIAN INHERITANCE: Co-dominant segregation was shown for three C.E.P.H. kindreds.

PROBE AVAILABILITY: Freely available (contact SW).

REFERENCES: Dana S. L. and J. J. Wasmuth 1982, *Molec. Cell Biol.* 2: 1220-1228. Neote K. *et al* 1988, *Genomics* 3:279-286.

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