Isolation and mapping of a polymorphic DNA sequence pEFZ18.2 on chromosome 14 [D14S17]

E.Fujimoto, Y.Nakamura, R.Payson, P.O'Connell, M.Leppert, G.M.Lathrop, J.-M.Lalouel and R.White

The Howard Hughes Medical Institute, University of Utah Medical School, Salt Lake City, UT 84132, USA

SOURCE/DESCRIPTION: A 3.5 kb TaqI fragment from cosmid EFZ18 was subcloned into the AccI site of pUC18.

POLYMORPHISM: TaqI identifies a two allele polymorphism (T1 : 4.5 kb, T2 : 3.5 kb).

FREQUENCY: Estimated from 108 unrelated Caucasians.

TaqI	T1 : 0.32
	T2 : 0.68

NOT POLYMORPHIC FOR: MspI and RsaI.

CHROMOSOMAL LOCALIZATION: pEFZ18.2 has been assigned to distal chromosome 14q by multipoint linkage analysis(1) with loci (GM, D14S1, PI) known to span this region(2,3).

MENDELIAN INHERITANCE: Co-dominant segregation of the TaqI RFLP was observed in 54 three generation families.

PROBE AVAILABILITY: Contact Y.N.

OTHER COMMENTS: RFLPs were observed under normal hybridization and wash stringencies.

REFERENCES:

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2. D.R. Cox and T. Gedde-Dahl, Cytogenet. Cell Genet. **40**:206-242 (1985)
3. Y. Nakamura et al., abstract submitted to Human Gene Mapping Workshop 9. Cytogenet. Cell Genet., in press