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**Isolation and mapping of a polymorphic DNA sequence (pEFD49.2) on chromosome 15 [D15S38]**

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**SOURCE/DESCRIPTION:** A 4.2 kb MspI fragment from cosmid EFD49 was subcloned into the AccI site of pUC18.

**POLYMORPHISM:** TaqI identifies a two allele polymorphism (T1 : 4.4 kb, T2 : 2.3 + 2.1 kb) without a constant band. MspI also shows a two allele polymorphism (M1 : 4.2 kb, M2 : 2.8 kb) but this has not verified by our three generation families.

**FREQUENCY:** Estimated from 40 unrelated Caucasians.

TaqI	T1 : 0.49
	T2 : 0.51

**NOT POLYMORPHIC FOR:** RsaI

**CHROMOSOMAL LOCALIZATION:** pEFD49.2 has been assigned to chromosome 15q by multipoint linkage analysis(1) with loci (D15S1, D15S2, D15S3) known to span this region(2).

**MENDELIAN INHERITANCE:** Co-dominant segregation of the TaqI RFLP was observed in 20 three generation families.

**PROBE AVAILABILITY:** Freely available (contact Y.N.) or will be available from ATCC.

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

**REFERENCES:**

1. G.M. Lathrop et al., Am. J. Hum. Genet. **37**:482-498 (1985)
2. P. O'Connell et al., Cytogenet. Cell Genet. **46**:673 (1988)