
A polymorphic SstI site within the human *ets-1* gene in the 11q23 region

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SOURCE/DESCRIPTION: The PRD700 fragment of 829 bp represents a 3' region of the human ETS-1 gene. The ETS-1 gene is one of the two human homologs of the *v-ets* sequence of the E26 acute transforming virus. The original λ phage clone was obtained from an EMBL-4 human rhabdomyosarcoma library screened with a 1.28 Kb BglI *v-ets* sequence. Subcloned into the EcoRI site of pBR322 (1).

POLYMORPHISM: SstI identifies two 11.5 Kb and 9.6 Kb allelic fragments.

FREQUENCY: Studied in 40 Mediterraneans

11.5 Kb allele (A1) : 0.75

9.6 Kb allele (A2) : 0.25

NOT POLYMORPHIC FOR: BamHI, EcoRI, HindIII, KpnI, MspI, PstI, PvuII, TaqI.

CHROMOSOMAL LOCATION: Probe localized to 11q23 region both using a panel of der 11 containing human-hamster somatic cell hybrids and *in situ* hybridization (unpublished data). This is in agreement with the localization of other *ets-1* sequences to the same region (1). The 11q23 region is involved in acquired chromosome rearrangements in human leukemias (2).

MENDELIAN INHERITANCE: Co-dominant segregation demonstrated in three families, 9 individuals.

PROBE AVAILABILITY: Available for collaborative studies.

OTHER COMMENTS: No problems on RFLP analysis under usual stringent conditions.

REFERENCES:

1. Watson, D. K. *et al* (1985) Proc. Natl. Acad. Sci. USA 82, 7294-7293.
2. Sacchi, N. *et al* (1986) Science 231, 379-382.

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