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**p380-8A 1.8 SaSs, a single copy clone 5' of c-myc at 8q24 which recognizes an SstI polymorphism**

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Source and Description of Clone:

A genomic library of partially digested SAU 3A fragments was constructed in the lambda phage EMBL 3A from the acute lymphoblastic leukemia cell line 380 (Tsujiimoto et al., 1984). A single copy 1.8 kb Sal I/Sst I fragment was isolated from the recombinant phage p380-8A and subcloned into pUC 19.

Polymorphism:

The p380-8A 1.8 SaSs clone identifies a polymorphism in Sst I-digested DNAs from 36 chromosomes 8 in B- and T-cell lines and peripheral blood samples.

- (A) 4.2 kb allele, frequency 0.53
- (B) 6.3 kb allele, frequency 0.47

Not Polymorphic for:

BamHI, HindIII, EcoRI, XbaI

Chromosomal Location:

8q24 5' of the c-myc gene. This clone lies within a region involved in the t(8;14) translocation of African Burkitt's lymphomas (Haluska et al., 1986). It is co-amplified with c-myc in Colo 320 and is not amplified in HL 60.

Mendelian Inheritance:

Not yet determined.

Probe Availability:

Requests for probe to Carlo M. Croce at the above address.

References:

- Haluska, F.G. et al., Nature 324:158, 1986.
- Tsujiimoto, Y. et al., Science 226:1097, 1984.

Acknowledgements:

We thank Ms. C. Long for preparation of the manuscript. Frank G. Haluska is a trainee of the Medical Scientist Training Program at the University of Pennsylvania School of Medicine, NIH 5 T32 GM 07170.