

An EcoRI polymorphism for pMet G in inbred mice

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SOURCE AND DESCRIPTION OF CLONE: pMet G, a 2.0 kb Pst I fragment subcloned into PBR322 (Park et al 1986), from the human *met* oncogene originally cloned by Cooper et al (1984). The subclone was obtained from Michael Dean.

POLYMORPHISMS: EcoRI identifies a 2.15 kb fragment in the inbred mouse strains: C57BL/6J, AKR/J, C58/J, and A/J; and a 2.65 kb fragment in the following inbred strains: C3H/HeJ, Balb/cJ, SWR/J, PL/J, CBA/J, NZW/lacJ, and DBA/2J.

CHROMOSOMAL LOCALIZATION: Human 7 (Cooper et al, 1984); currently being mapped in mice.

PROBE AVAILABILITY: Requests for probes to Michael Dean at NCI Frederick Cancer Research Facility, Frederick, MD 21701.

OTHER COMMENTS: Wash at a stringency of 2xSSC at 65° C.

REFERENCES: M. Park, M. Dean, C. Cooper, M. Schmidt, S. O'Brien, D. Blair, and G. VandeWoude. Mechanism of *met* oncogene activation. *Cell* 45: 895-904 (1986). C. Cooper, M. Park, D. Blair, M. Tainsky, K. Huebner, C. Croce, and G. VandeWoude. Molecular cloning of a new transforming gene from a chemically transformed cell line. *Nature* 311: 29-33 (1984).

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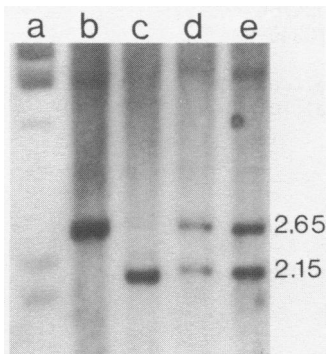


Figure 1. Autoradiogram of a Southern blot probed with the 2.0 PstI insert from pMet G. Lane (a) HindIII digested lambda. EcoRI digested DNA from (b) a DBA/2J mouse, (c) a C57BL/6J mouse, (d) and (e) F1's from a C57BL/6J and DBA/2J cross. Fragment sizes indicated in kilobases.