

---

**pmcf.2-11, a single copy clone from chromosomal region 12q12-q13.1 [D12S32]**

---

J.Oberle, M.G.Mattei<sup>1</sup>, T.Noguchi<sup>2</sup> and D.Birnbaum<sup>2</sup>

---

U.184, 11 rue Humann, 67085 Strasbourg Cédex, <sup>1</sup>U.242, Hôpital d'Enfants de la Timone, 5 Boulevard Jean Moulin, 13385 Marseille Cédex 5 and <sup>2</sup>U.119, 27 Boulevard Lei Roure, 13009 Marseille, France

---

SOURCE AND DESCRIPTION OF THE CLONE : pmcf.2-11, a 3.0 Kb Eco RI - Bam HI fragment subcloned in pUC9, derived from a cosmid clone, cosm2 (1). It represents a portion of a rearranged human DNA segment integrated in the mouse NIH3T3 genome after tumorigenicity-assay of the MCF-7 mammary carcinoma cell line (2).

POLYMORPHISM : Ban I identifies two alleles with bands at 4.0 and 2.85 Kb and a faint constant band at 4.25 Kb.

FREQUENCY : 2.85 Kb allele : 71.5 %,  
4.00 Kb allele : 28.5 %,  
studied in 21 unrelated male and female caucasian individuals.

NOT POLYMORPHIC FOR : BamHI, BanII, BglII, BstNI, BstXI, DraI, HindIII, KpnI, MspI, PstI, PvuII, SacI, ScaI, StuI, TaqI, XbaI and XmnI with panels of 6 individuals.

CHROMOSOMAL LOCALIZATION : Localized to 12q12-q13.1 by in situ hybridization (unpublished).

MENDELIAN INHERITANCE : codominant segregation observed in families 1331 and 02 from the CEPH.

PROBE AVAILABILITY : The probe is available. Requests to D. BIRNBAUM at the above address.

OTHER COMMENTS : The probe is free from repetitive sequences.

REFERENCES : 1. Noguchi et al., EMBO J., 1987, 6, 1301-1307.  
2. Fasano et al., Mol. Cell. Biol., 1984, 4, 1695-1705.