

## A new XmnI polymorphism for the DMD probe PERT 87-8

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**Source/Description:** PERT 87-8 is a 1.3 kb intronic fragment from the DMD gene which has been cloned into the XbaI site of pUC18 (1).

**Polymorphism:** XmnI identifies a 2 allele polymorphism  
 A1: 9.2 kb A2: 8.8 kb

**Frequency:** Estimated from a total of 130 chromosomes from an unrelated sample of British caucasians.  
 XmnI AA1: 0.35 AA2: 0.65

**Chromosomal Location:** PERT 87-8 is a subclone of DXS164 which has been assigned to Xp21.2 (1).

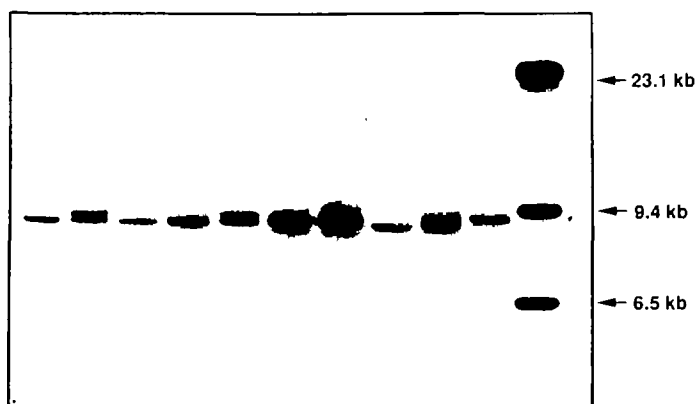
**Mendelian Inheritance:** Co-dominant segregation in three 2-generation families.

**Probe Availability:** Contact L.M. Kunkel.

**Other Comments:** The polymorphism is observed under standard hybridisation and wash conditions.

**Acknowledgements:** We thank Dr. Kunkel for use of the PERT 87-8 probe.

**Reference:** 1) Kunkel, L.M., Monaco, A.P., Middlesworth, W., Ochs, H.D. and Latt, S.A. (1985) *Proc. Natl. Acad. Sci. USA* **82**, 4778-4782.



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## Three RFLPs at the D8S586 locus

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**Source/Description:** Probe pNCO907 contains a 500-bp PstI fragment of pNCO901 inserted into pUC19 as described previously (1).

**Polymorphism:** EcoRI detects a two allele polymorphism (A1:4.8 kb; A2:1.3 kb). SphI detects a two allele polymorphism (B1: 22.0 kb; B2: 7.0 kb). TaqI detects a four allele polymorphism (C1:11.0 kb; C2:10.0 kb; C3:8.5 kb; C4:6.7 kb).

**Frequency:** Studied in unrelated Japanese.

A1:0.50 A2:0.50 (33 individuals)  
 B1:0.21 B2:0.79 (17 individuals)  
 C1:0.08 C2:0.42 C3:0.09 C4:0.41 (40 individuals)

**Not Polymorphic For:** PvuII, MspI, RsaI, or BamHI with DNA from five unrelated individuals.

**Chromosomal Localization:** Assigned to chromosome 8 using a panel of human-mouse somatic cell hybrids (1).

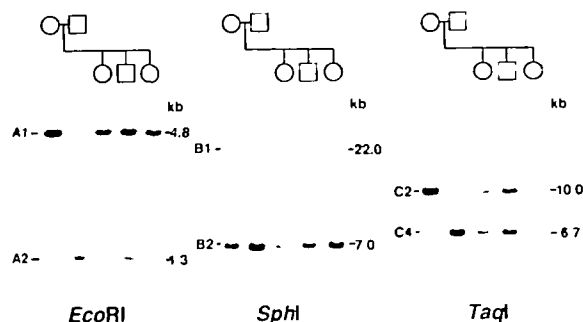
**Mendelian Inheritance:** Codominant, independent, segregation of the allele systems A, B and C was observed in one informative family (Figure).

**Probe Availability:** Available from M. Iizuka.

**Other Comments:** This probe is co-amplified with MYC in COLO320 DM cells but not in HL60 cells (1). The hybridization condition should be highly stringent.

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**Reference:** 1) Iizuka, M. et al. (1990) *Cancer Res.* **50**, 3345-3350.



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