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## RFLP for a DNA clone which maps to 19q13.2 – 19qter (D19S63)

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**Source/Description:** pD10 is a 0.85kb fragment with BamHI ends cloned in pSP64. It was sub-cloned from  $\lambda$ D10 which was isolated from a genomic library constructed in  $\lambda$ EMBL3 from a rodent human somatic cell hybrid (Stallings *et al.*, 1988).

**Frequency:** Studied in 80 unrelated individuals.

7.1kb = 0.58

6.8kb = 0.27

6.5kb = 0.15

**Not Polymorphic For:** BanI, BglII, DraI, HinfI, TaqI, XbaI.

**Chromosomal Localisation:** Probe localises to 19q13.2 – 19qter on a panel of rodent human somatic cell hybrids.

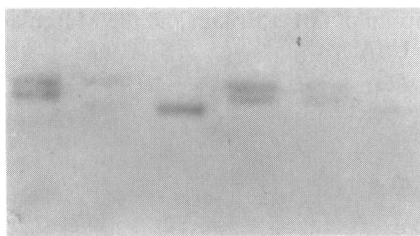
**Mendelian Inheritance:** Co-dominant segregation shown in 32 families, 280 individuals.

**Probe Availability:** Available for collaborative work on Myotonic Dystrophy. Freely available for other studies.

**Other Comments:** Wash to  $0.1 \times$ SSC at  $65^\circ\text{C}$  for 30 mins. The probe also detects a 2 allele polymorphism with HincII.

**References:** Stallings *et al.* (1988) *Am. J. Hum. Genet.* **43**, 144–151. Brook *et al.* (1987) *Genomics* **1**, 320–328.

**Acknowledgements:** This work was supported by the Muscular Dystrophy Group of Great Britain and the Muscular Dystrophy Association, USA.



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## A HindIII polymorphism identified by a DNA clone which maps to chromosome 17 (D17S245)

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**Source/Description:**  $\lambda$ D13 is an 18kb fragment with EcoRI ends cloned in  $\lambda$ EMBL3 from rodent human somatic cell hybrid DNA (Stallings *et al.* 1988).

**Polymorphism:** A polymorphism with two alleles at 4.2kb and 4.4kb is detected with HindIII.

**Frequency:** Studied in 28 unrelated individuals.

4.2kb = 0.5

4.4kb = 0.5

No other enzymes tested.

**Chromosomal Localisation:** Probe localises to chromosome 17 using a panel of rodent human somatic cell hybrids (Worwood *et al.* 1985).

**Mendelian Inheritance:** Co-dominant segregation shown in 15 families, 90 individuals.

**Probe Availability:** Freely available.

**Other Comments:** A 1.7kb fragment was used as probe following digestion of  $\lambda$ D13 with BamHI and HindIII. Filters were washed to  $0.1 \times$ SSC at  $65^\circ\text{C}$  for 30 minutes.

**References:** Stallings *et al.* (1988) *Am. J. Hum. Genet.* **43**, 141–151. Worwood *et al.* (1985) *Hum. Genet.* **69**, 371–374.

