RFLP for Duchenne muscular dystrophy cDNA clone 44-1

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SOURCE AND DESCRIPTION: 44-1 (kindly supplied by LM Kunkel) is one of six cDNA clones which comprise the cDNA for the Duchenne muscular dystrophy gene (Koenig et al., 1987). It is a 0.9kb fragment in the EcoR1 site of Bluescript.

POLYMORPHISM: Taq1 (TTCGA) identifies two alleles with bands at 6.8 and 5.7kb, as well as four constant bands at 4.8, 3.9, 3.5 and 2.5kb.

FREQUENCY: Studied 62 unrelated individuals.

6.8kb allele	0.90
5.7kb allele	0.10

NOT POLYMORPHIC FOR: HindIII, MspI.

CHROMOSOME LOCALISATION: Xp21.2, 3' region of the DMD gene, telomeric to P20 (Wapenaar et al., 1987)

MENDELIAN INHERITANCE: demonstrated in one three generation and three two generation informative families, 26 individuals.

PROBE AVAILABILITY: probe available from ATCC.

OTHER COMMENTS: no problems on RFLP analysis under normal stringency conditions.

REFERENCES: Koenig et al. *Cell* 50 (1987) 509-517.
Wapenaar et al. *HGM* 9 (1987) 587.

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