RFLP for Duchenne muscular dystrophy cDNA clone 30-2


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SOURCE AND DESCRIPTION: 30-2 is one of 6 cDNA clones which comprise the cDNA for the Duchenne muscular dystrophy gene (kindly supplied by L.M. Kunkel). It is a 1.15 kb fragment in the EcoRI site of Bluescribe.

POLYMORPHISM: Taq 1 (TGCA) identifies two bands with alleles at 3.7 and 3.5 kb, as well as eight constant bands at 9.0, 7.5, 4.6, 3.6, 3.4, 2.5, 1.7 and 1.4 kb.

FREQUENCY: Studied in 47 unrelated DMD males.
- 3.7 kb allele 0.45
- 3.5 kb allele 0.55

NOT POLYMORPHIC FOR: Hind III

CHROMOSOME LOCATION: Xp21.2, locus DMD.

MENDELIAN INHERITANCE: Co-dominant X-linked segregation demonstrated in two 2-generation families.

PROBE AVAILABILITY: Probe available from ATCC (57668, 57669).

OTHER COMMENTS: 1.12 agarose gels required to resolve the bands. The polymorphism is also recognized by PERT 87-15.


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