A PstI RFLP detected by probe cpX73 (DXS159) in Xq11-q12

B.Arveiler, M.H.Hofker[1], A.A.B.Bergen[1], P.Pearson[1] and J.L.Mandel

INSERM U 184, LGME du CNRS, Faculté de Médecine, 11 rue Humann, 67085 Strasbourg, France and [1]Department of Human Genetics, University of Leiden, 2333 AL Leiden, The Netherlands

SOURCE/DESCRIPTION:

cpX73 is a unique 0.5 kb EcoRI-PstI fragment inserted in pAT153.

POLYMORPHISM:

The probe detects a two allele polymorphism with the restriction enzyme PstI; allelic fragments: A1: 5.5 kb, A2: 1.6 kb.

FREQUENCY: Allele 1: 0.67
Allele 2: 0.33
76 unrelated chromosomes tested.

NOT POLYMORPHIC FOR: ApaI, BclI, BglI, BglII, BstEII, BstXI, DraI, Eco0109, EcoRI, EcoRV, HindIII, HinfI, MspI, PvuII, TaqI, XmnI (at least 9 independent chromosomes tested).

CHROMSOMAL LOCALISATION: Localised to Xq11-q12 by using a panel of human - rodent hybrid cell lines (Arveiler et al submitted).

MENDELIAN INHERITANCE:

Mendelian segregation in a large set of two or three generations families.

PROBE AVAILABILITY:

Available from P. Pearson.

OTHER COMMENTS:

REFERENCE: M.H.Hofker[1], A.A.B.Bergen[1], M.I.Skraastad[1], N.J.Carpenter[2], H.Veenema[1], J.M.Connor[3], E.Bakker[1], G.J.B.van Ommen[1], P.L.Pearson[1] (1987) Am. J. Hum. Genet. in press.