A frequent Pvu II RFLP of the human gastrin releasing peptide gene

Sevilla D.Detera-Wadleigh¹, Stewart Anderson² and Eliot R.Spindel³

¹Clinical Neurogenetics Branch, National Institute of Mental Health, Bldg. 10, Rm. 3N218, Bethesda, MD20892, ²University of Connecticut Health Center, School of Medicine, Farmington, CT 06032-9984 and³Department of Medicine, Harvard Medical School and Brigham Women's Hospital, 75 Francis Street, Boston, MA 02115, USA.

SOURCE/DESCRIPTION:

pB12, a 650 bp cDNA cloned at the Pst I and Hind III sites of pSP64 (Spindel et. al.).

POLYMORPHIS:

Pvu II detects two allelic fragments at 8.9 kb and 8.3 kb.

FREQUENCY:

Studied in 71 unrelated North Americans: 8.9 kb allele = 0.49
8.3 kb allele = 0.51

NOT POLYMORPHIC FOR:

Bam HI, Bgl I, Bgl II, Dde I, Eco RI, Eco RV, Hind III, Msp I, Pst I, Rsa I, Sst I, Taq I on a panel of 19 unrelated individuals.

CHROMOSOMAL LOCALISATION:

18q1 (Naylor, S.L., Battey, J., Spindel, E.)

MENDELIAN INHERITANCE:

Co-dominant segregation observed in 3 families (39 individuals)

PROBE AVAILABILITY:

Requests for probe to E.R.S.

OTHER COMMENTS:

To obtain better separation of bands electrophorese on a 0.8% agarose gel until the xylene cyanol dye is at least 9 cm from the origin.

REFERENCE:

Spindel, E.R. et al. (1984) Proc. Natl. Acad. Sci USA, 81, 5699-5703.

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