RFLP for the human transforming growth factor beta-1 gene (TGFB) on chromosome 19

H.H.Ardinger, R.H.Ardinger, G.I.Bell¹ and J.C.Murray

Department of Pediatrics, University of Iowa, Iowa City, IA 52240 and ¹Howard Hughes Medical Institute, University of Chicago, 920 East 58th St., Chicago, IL 60637, USA

Source/Description: phTGFB-2 contains a 2.1 kb cDNA insert cloned into the EcoRI site of pBR327.

Polymorphism: BsmI digestion reveals polymorphic fragments of 16kb (allele 1) and 13kb (allele 2) and also shows a faintly hybridizing band at 13.2 kb.

Frequency: Studied in 19 unrelated Caucasians

BsmI	16kb	0.63
	13kb	0.37

Not polymorphic for: AvaII, BamHI, BanII, BclI, BglI, BglII, BstEI, BstNI, ClaI, Cfr 13I, DraI, EcoO109, EcoRI, EcoRV, FokI, HaeII, HaeIII, HincII, HindIII, HinfI, HinpI, HpaI, HphI, KpnI, MboI, MboII, MspI, NciI, NdeI, NheI, NruI, NsiI, PaeR7I, PstI, PvuII, RsaI, RsrII, SacI, SalI, Sau3AI, Sau96I, ScaI, SmaI, SpeI, SspI, StuI, StyI, TaqI, XbaI, XboI, XmnI with DNA from seven unrelated Caucasians.

Chromosomal Localization: 19q13.1 - q13.3 (Fuji et al, 1985).

Mendelian Inheritance: Co-dominant inheritance demonstrated in three families.

Probe Availability: Contact G.I. Bell

Other Comments: SphI reveals a possible RFLP with alleles of 15kb and 13.5kb

References: Fuji, D.M. et al (1985) Cytogenet Cell Genet 40:632.

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