A BglI polymorphism for the interleukin-2 receptor gene (IL2R) on chromosome 10

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Source/Description: pIL2R2 is a cDNA for IL2R cloned into the EcoRI site of pBR322 and encoding from the 5' flanking region to exon 7.

Polymorphism: BglI identifies a two allele polymorphism with 17Kb and 16Kb alleles.

Frequency: Studied in 100 unrelated Caucasians

17 kb 0.07

16 kb 0.93

Not Polymorphic for: AluI, ApaI, ApaLI, AvaII, BamHI, BglII, BspI286, BstNI, DdeI, DraI, Eco0109, EcoRI, EcoRV, FokI, HaeIII, HincII, HindIII, HinfI, HinpI, MspI, NdeI, NsiI, PstI, PvuII, RsaI, SacI, SalI, SmaI, SpnI, SspI, StuI, TaqI, XbaI.

Chromosomal Location: 10p14-10p15 (Leonard et al, 1985)

Mendelian Inheritance: Co-dominant inheritance demonstrated in 6 CEPH families.

Probe availability: From ATCC.

Other Comments: SpeI shows a possible RFLP with IL2R2.

References: Leonard, W.J. et al (1985) Science 228, 1547-1549.

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