A polymorphic DNA sequence from the terminal part of chromosome 5p [D5S109]

François Rouyer, Albert de la Chapelle¹ and Jean Weissenbach*

Unité de recombinaison et d'expression génétique, INSERM U163, CNRS LA271, Institut Pasteur, 25 rue du Dr. Roux, 75724 Paris Cedex 15, France and ¹Department of Medical Genetics, University of Helsinki, Haartmaninkatu 3, 00290 Helsinki, Finland

Source/Description: The probe IP5J201 is a 5 kb SalI fragment isolated from a λ phage obtained by screening a human genomic library with a STIR repeated element (1). The insert is subcloned in the SalI site of pBS+ vector (Stratagene).

Polymorphism: TaqI identifies 2 allelic fragments of 3.0 kb and 2.7 kb.

Frequency: Estimated from 46 parents of the CEPH panel.
3.0 kb allele: 0.32
2.7 kb allele: 0.68

Not Polymorphic For: BamHI, BglII, EcoRI, HindIII, MspI, PstI, PvuII, RsaI, XbaI (studied in 5 unrelated individuals).

Chromosomal Localization: Localized to 5p15.3 by in situ hybridization and genetic linkage analysis (1).

Mendelian Inheritance: Codominant segregation observed in 16 CEPH families.

Probe Availability: The probe will be submitted to the American Tissue Culture Collection (ATCC). Until it is made available through the ATCC it can be obtained from J.Weissenbach.

Other Comments: Segregation data included in the CEPH database version 3. RFLPs are observed under normal hybridization and wash (0.2 $\times$ SSC) stringencies.

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Reference: 1. Rouyer, F. *et al.* (1990) *EMBO J.* 9, 2: 505–514.

* To whom correspondence should be addressed

A polymorphic DNA sequence from the terminal part of chromosome 21q [D21S154]

François Rouyer, Albert de la Chapelle¹ and Jean Weissenbach*

Unité de recombinaison et d'expression génétique, INSERM U163, CNRS LA271, Institut Pasteur, 25 rue du Dr. Roux, 75724 Paris Cedex 15, France and ¹Department of Medical Genetics, University of Helsinki, Haartmaninkatu 3, 00290 Helsinki, Finland

Source/Description: The probe IP21K443 is a 0.9 kb EcoRI/Sau3A fragment isolated from a λ phage obtained by screening a human genomic library with a subtelomeric interspersed repeat (STIR) (1). The insert is subcloned in pBS+ vector (Stratagene) and can be excised with EcoRI.

Polymorphism: RsaI identifies 2 allelic fragments of 4.3 kb and 3.4 kb.

Frequency: Estimated from 45 parents of the CEPH panel.
4.3 kb allele: 0.19
3.4 kb allele: 0.81

Not Polymorphic For: BamHI, BglII, EcoRI, HindIII, MspI, PstI, PvuII, TaqI, XbaI (studied in 5 unrelated individuals).

Chromosomal Localization: Localized to 21q22.3 by in situ hybridization and genetic linkage analysis (1).

Mendelian Inheritance: Codominant segregation observed in 6 CEPH families.

Probe Availability: The probe will be submitted to the American Tissue Culture Collection (ATCC). Until it is made available through the ATCC it can be obtained from J.Weissenbach.

Other Comments: Segregation data included in the CEPH database version 3. RFLPs are observed under normal hybridization and wash (0.2 $\times$ SSC) stringencies.

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