An XmnI RFLP detected with a cDNA probe for the *CYP2C* gene locus on chromosome 10

A.C.Gough, N.K.Spurr, R.R.Meehan¹, J.S.Miles¹ and C.R.Wolf¹

Imperial Cancer Research Fund, Human Genetic Resources Laboratory, Clare Hall Laboratories, Blanche Lane, South Mimms, Herts EN6 3LD and ¹Imperial Cancer Research Fund, Laboratory of Molecular Pharmacology and Drug Metabolism, University Department of Biochemistry, Hugh Robson Building, George Square, Edinburgh EH8 9XD, UK

SOURCE/DESCRIPTION: A 700 bp fragment of the cDNA clone for the human cytochrome P450 gene cloned in pUC9 at the PstI restriction site (Meehan et al., 1988).

POLYMORPHISM: XmnI detects a two allele polymorphism with bands at 10.00 Kb (A1), 4.8 Kb (A2) and constant bands at 13.0, 8.3, 4.6, 3.1, 2.8, 2.5, 2.3, 2.2, 1.8 and 1.5 Kb.

FREQUENCY: A total of 16 unrelated individuals of Caucasian origin were screened: A1 (.625); A2 (.375)

NOT POLYMORPHIC FOR: BamHI, BclI, BglII, EcoRV, Fnu4HI, HaeIII, HincI, HinfI, RsaI, SacI, TaqI, StuI and XbaI tested on a panel of 10 unrelated individuals of Caucasian origin.

CHROMOSOMAL LOCALISATION: Assigned to chromosome 10 q24.1-q24.3 using a panel of human-rodent somatic cell hybrids and in situ hybridisation (Meehan et al., 1988).

MENDELIAN INERTIANCE: Codominant inheritance observed in 3 families from CEPH, K1329 2 K1331 and K1333.

PROBE AVAILABILITY: Freely available for collaborative studies, contact CRW.

OTHER COMMENTS: Polymorphism detected under normal conditions: final wash in 0.2 x SSC, 0.1% SDS at 65°C.

REFERENCE: Meehan R.R. et al. (1988) Am.J.Hum.Genet. 42:26-37.

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