A high frequency two allele TaqI RFLP detected by an anonymous sequence VC61 [D2S65] on chromosome 2Vera Verga*, Maria Dos Santos, Isabelle Marques, Sue Povey¹, Michele Ramsay and Trefor Jenkins

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SOURCE/DESCRIPTION: D2S65 contains a 8.28 kb human insert and was isolated from a human HaeIII/AluI DNA Charon 4A genomic library. A 1.0 kb EcoRI fragment was subcloned into pUC19.

POLYMORPHISM: Taq I (TC/GA) (Boehringer Mannheim) identifies a two-allele polymorphism with fragment sizes 12.5 (A1) and 10.1 (A2) kb.

FREQUENCY:

Caucasoids (n=75)	A1 .56	A2 .44
Negroids (n=51)	A1 .51	A2 .49
Bushman (San) (n=37)	A1 .60	A2 .40

NOT POLYMORPHIC FOR: MspI, BglII, SstI, AvaII, StuI, PvuII, PstI, EcoRI, BamHI, HindIII, HincII, RsaI and MboI in a panel of 6-7 individuals.

CHROMOSOME LOCALIZATION: Assigned to human chromosome 2 using a panel of somatic cell hybrids.

MENDELIAN INHERITANCE: Demonstrated in 2 S.A. Caucasoid families and 4 C.E.P.H. families 1331, 13292, 13293, 13294.

PROBE AVAILABILITY: Contact Dr. Vera Verga. Dept Human Genetics, Univ of Michigan Medical School, Med Sci II, 1500 E. Medical Center Dr, Ann Arbor, MI 48109-0618. Also available from ATCC.

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