A *TaqI* RFLP detected by the probe VK45C6 [D16S131] at 16p13.11

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SOURCE/DESCRIPTION : A 1.48 kb *PstI* fragment (VK45C6) of single copy human DNA was ligated into the *PstI* site of pUC18. VK45C6 was a subclone of VK45 (D16S131) which was derived from a 16,X-specific library described by Hyland et al. (1989).

POLYMORPHISM : *TaqI* (New England Biolabs) identified a two allele polymorphism with band sizes 5.0 kb (A1) and 5.7 kb (A2). No constant bands were detected.

FREQUENCY : In a sample of 28 Utah and 18 Australian individuals the following frequencies were obtained :

5.0 kb allele (A1) 0.65. 5.7 kb allele (A2) 0.35

CHROMOSOMAL LOCALISATION : VK45 has been localised to 16p13.11 by Southern Blot analysis of human-mouse cell hybrids, Hyland et al. (1989).

MENDELIAN INHERITANCE : Co-dominant inheritance was shown in the three generation Utah pedigree K-1331. The three generation family is shown below.

PROBE AVAILABILITY : The probe has been lodged with the American Type Culture collection.

OTHER COMMENTS : No other restriction endonuclease was used to detect RFLPs.

REFERENCES : Hyland, V.J. et al. (1989), Human Genetics: In Press.

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