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**RFLP for a human von Willebrand factor (vWF) cDNA clone, pvWF1100**

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**SOURCE AND DESCRIPTION OF THE CLONE:** pvWF1100, an 1100 bp PstI fragment subcloned into pUC18. The 1100 bp PstI fragment is derived from the 2280 bp vWFcDNA insert of pvWF2280 isolated from a human endothelial cDNA expression library (Verweij et al., 1985).

**POLYMORPHISM:** BglIII (A+GATCT) (New England Biolabs) identifies two invariant bands at 13 kb and 4.9 kb and a simple two-allele polymorphism with a band at either 9 kb (A<sub>1</sub>) or 7.4 kb (A<sub>2</sub>) (Figure).

**FREQUENCY:** Studied 18 European Caucasians,  
9 kb allele (A<sub>1</sub>) 0.69  
7.4 kb allele (A<sub>2</sub>) 0.31

**NOT POLYMORPHIC FOR:** PstI, EcoRI, HindIII, MspI, BstI, HaeIII, AvaII, HpaI, EcoRV and PvuI with DNA from 10 unrelated Caucasians.

**CHROMOSOMAL LOCALIZATION:** Probe localized to chromosome 12 using a panel of somatic cell hybrids (Verweij et al., 1985) and more precisely to 12p12-12pter by *in situ* hybridization studies with vWFcDNA (Ginsburg et al., 1985).

**MENDELIAN INHERITANCE:** Co-dominant segregation shown in 4 families, 23 individuals (see Figure).

**PROBE AVAILABILITY:** Will be available for any study other than on von Willebrand factor and von Willebrand's disease

**OTHER COMMENTS:** No problems on RFLP analysis under normally stringent conditions.

**REFERENCES:** Verweij et al., Nucleic Acid Research 13 (1985) 4699-4717.  
Ginsburg et al., Science 228 (1985) 1401-1406.

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