A polymorphism of the human von Willebrand factor (vWf) gene with *Bam*HI

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SOURCE AND DESCRIPTION OF CLONE: pDL34, a 2.4 kb partial cDNA clone for human von Willebrand factor (vWf) mRNA isolated from an endothelial cell cDNA library (Lynch et al., 1985). The fragment used as probe was a 1.9 kb segment obtained from a Sac I (GAGT/C) digestion of pDL34.

POLYMORPHISM: BamH I (G/GATCC) identifies four invariant bands at 8.7 kb, 8.0 kb, 6.0 kb, and 5.0 kb and a simple two-allele polymorphism with a band at either 7.2 kb or 7.8 kb.

FREQUENCY: Studied 37 Caucasians,
7.2 kb allele (A1) 0.82
7.8 kb allele (A2) 0.18

NOT POLYMORPHIC FOR: Ava I, Bgl I, BstE II, Dra I, EcoR I, Hind III, Kpn I, and Pst I, all with panel of 13-15 unrelated Caucasians.

CHROMOSOMAL LOCALIZATION: The probe has been localized to the region 12p12 --> 12pter by *in situ* hybridization (Ginsburg et al, 1985).

MENDELIAN INHERITANCE: Co-dominant segregation demonstrated in one family of 5 individuals.

PROBE AVAILABILITY: Available without restriction.

OTHER COMMENTS: No problems on RFLP analysis under normally stringent conditions. There is also a 1.2 kb band which is difficult to visualize.

REFERENCES: Lynch et al, (1985) *Cell* **41** 49.
Ginsburg et al, (1985) *Science* **228** 1405.

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