Volume 15 Number 1 1987 Nucleic Acids Research

An anonymous genomic clone that detects a frequent RFLP adjacent to the D4S10 (G8) marker and Huntington's Disease

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SOURCE/DESCRIPTION: pTV20, a 0.6 Kb Hind III fragment subcloned into pGem2 was isolated from a bacteriophage library and is approximately 20 Kb from the D4S10 (G8) locus.

POLYMORPHISM: BglII identifies a two allele polymorphism with probe pTV20.

FREQUENCY: Studied in 56 Caucasoids

BglII	3.5 Kb	0.67
	2.3 Kb	0.33

NOT POLYMORPHIC FOR: XbaI, PvuII, HincII, StuI.

CHROMOSOMAL LOCALIZATION: Probe is physically linked to the D4S10 marker which has been mapped to 4p16 (Magenis, et al, 1986).

MENDELIAN INHERITANCE: Co-dominant inheritance shown in CEPH families 13291, 13292, 1331, 17, 2, 21, 1333, 1340.

PROBE AVAILABILITY: Available upon request from L. Carlock.

OTHER COMMENTS: Slight crosshybridization to a repetitive sequence at low stringency. MspI shows possible polymorphism as well.

REFERENCE: Magenis et al, (1986) Am. J. Hum. Genet. 39: 383-391.

ACKNOWLEDGEMENTS: The assistance of Karen O'Sullivan and Kathy Yoshiyama was greatly appreciated. Sponsored in part by gifts from R. Owens and other individuals to LRC. JCM is supported by a Basil O'Conner Starter Grant, National Foundation, March of Dimes.