RFLP for TaqI at the human neurofilament (NF-L) gene locus

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SOURCE/DESCRIPTION: pHNFL contains a 8.0 kb BamHI-SalI fragment that encodes the entire human NF-L gene (Julien et al.); the vector is pT3-T7-18.

POLYMORPHISM: TaqI identifies a two-allele polymorphism with fragments of either 3.7 kb or 2.9 kb.

FREQUENCY: Studied in 24 unrelated Caucasians.

3.7 kb allele	0.69
2.9 kb allele	0.31

NOT POLYMORPHIC FOR: EcoRI, XhoI, HindIII, PvuII, PstI, HhaI.

CHROMOSOMAL LOCALISATION: Probe localised to 8p21 (Hurst et al.).

MENDELIAN INHERITANCE: Co-dominant segregation shown in 1 informative family.

PROBE AVAILABILITY: requests for probe to J.-P. Julien at the above address.

OTHER COMMENTS: low background under usual stringency conditions.

REFERENCES: Julien, J.-P. et al. (1987) Biochim. Biophys. Acta 909, 10-20.
Hurst, J. et al. (1987) Cytog. Cell Genet. 45, 30-32.

ACKNOWLEDGEMENTS: We thank Dr Michael Bonnycastle for collecting some of the blood samples. This work was supported by CRM Canada grant #MA-10027.