Apa I polymorphism of a human immunoglobin VH3 subclass locus

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SOURCE/DESCRIPTION: a 2.2 kb Eco RI fragment derived from λ VH26 (1), flanking a human immunoglobin VH3 subclass gene POLYMORPHISM: a polymorphic Apa I (GGGCC/C) fragment of 11.8 kb (a 9.4 kb fragment is constant) FREQUENCY: studied in DNA from 45 random Canadian caucasians: frequency of 11.8 kb fragment: 0.54 ± 0.07 frequency of the absence of the fragment: 0.46 ± 0.07 NOT POLYMORHPHIC FOR: digests of DNA from 10 unrelated individuals with Xba I or Bam HI, did not reveal polymorphisms CHROMOSOMAL LOCALISATION: 14q32.3 to 14qter (2) MENDELIAN INHERITANCE: co-dominant segregation shown in 4 two generation families and 4 three generation families PROBE AVAILABILITY: write to D. W. Cox OTHER COMMENTS: wash stringency of 0.1% SDS, 0.1 x SSC; at 65°C **REFERENCE:** 1) Matthyssen G., Rabbitts T.H.(1980) P.N.A.S. USA. 77, 6561-6565. 2) Cox D.W., Markovic V.D., Teshima I.E. (1982) Nature. 297, 428-430. ACKNOWLEDGEMENTS: This work was funded by grants from the N.S.E.R.C. of Canada and a studentship from the M.R.C. of Canada 11.8 kb

9.4 kb