A StuI polymorphism in the human granulocyte colony-stimulating factor gene

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SOURCE/DESCRIPTION: pBRV-2 contains a 1498 bp EcoRI fragment of the human granulocyte colony-stimulating factor (G-CSF) cDNA at the EcoRI site of pBR327 plasmid vector (ref.1).

POLYMORPHISM: Stu I identifies a 2-allele system with alternative bands at 1.66kb or 1.36 and 0.30kb. Two constant bands of 0.76kb and 0.64kb are seen (fig.1).

FREQUENCY: Studied in 33 unrelated Japanese.

1.67kb allele (G1) : 0.77
1.35 and 0.30kb allele (G2) : 0.23

NOT POLYMORPHIC FOR: Bam HI, Eco RI and Pst I with panels of 10 unrelated Japanese.

CHROMOSOMAL LOCALIZATION: q21-q22 region of chromosome 17 (ref.2).

INHERITANCE: Mendelian inheritance was observed in 8 Japanese unrelated families.

PROBE AVAILABILITY: Contact with Dr. Shigekazu Nagata (ref.1).

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