A TaqI RFLP of the human T-cell receptor gamma (TCRG) variable gene V11

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SOURCE/DESCRIPTION: V γ IV probe, a 270 bp SphI-RsaI fragment containing the 5' region of the TRGV11 gene (1).

POLYMORPHISM: TaqI (T/CGA) identifies two allelic restriction fragments of 4.1 kb (TRGV11*B1) and 3.7 kb (*B2) (See figure).

FREQUENCY: TRGV11*B1 : 0.53 *B2 : 0.47
Studied in 30 unrelated healthy Caucasians.

NOT POLYMORPHIC FOR: HindIII (19 kb), EcoRI (11.2 kb) (See ref. 2) and PvuII (4.0 kb).

CHROMOSOMAL LOCALIZATION: On chromosome 7 at band 7p15.

MENDELIAN INHERITANCE: Co-dominant segregation demonstrated in 3 families.

PROBE AVAILABILITY: Dr. M.-P. Lefranc.

OTHER COMMENTS: Run on 0.8% agarose gels and hybridized under low stringency conditions.

REFERENCES: (1) Huck, Dariavach, Lefranc (1988) EMBO J.7,719-726
(2) Lefranc, Chuchana, Dariavach, Nguyen, Huck, Brockly, Jordan, Lefranc (submitted).