An anonymous single-copy clone, pC63, from chromosome 17q23-qter identifies a frequent RFLP [HGM9 No. D17S21]

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SOURCE AND DESCRIPTION OF CLONE. pC63 is a 1.7 kb EcoRI fragment of cosmid c-163, from a chromosome 17-specific library, subcloned into pUC19.

POLYMORPHISMS: MspI identifies a 2-allele RFLP with A1=4.3, A2=3.9 kb

FREQUENCIES: Studied 49 European Caucasians. A1=.66, A2=.34

NOT POLYMORPHIC WITH: TaqI, RsaI, HinfI, EcoRI, HindIII, PstI, PvuII, BglII, BamHI, SacI or BstEII with DNA from 6 unrelated Caucasians.

CHROMOSOMAL LOCALIZATION: Probe localized to 17q23-qter, by use of somatic cell hybrid panels.

MENDELIAN INHERITANCE: Codominant Mendelian inheritance observed in Utah informative reference families K1329C and K 1333 with a total of 15 children.

PROBE AVAILABILITY: Available from ATCC.

REFERENCE: Vissing H, Grosveld F, Solomon E, Moore G, Lench N, Shennan N, Williamson R (1987) Nucleic Acid Research 15:1363-1376.

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FIGURE: MspI digested DNAs from 9 unrelated individuals probed with pC63.