*Eco*RI and *Nsi*I RFLPs at a human PLA_2 gene on chromosome 1

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SOURCE/DESCRIPTION: pCB-04, a 0.7kb genomic fragment encoding the second exon of a phospholipase homologue (1,2) of human pancreatic phospholipase A_2 (3) was subloned into the EcoRI site of pUC9.

POLYMORPHISMS: EcoRI (GAATTC) detects a single two allele polymorphism with fragments at either 8.4kb or 8.0kb.

NsiI (ATGCAT) detects a single two allele polymorphism with fragments at either 5.5kb or 5.0kb.

FREQUENCY: Studied in 105 unrelated North American caucasians

(i)	EcoRI:	8.4 kb allele:	0.85 ± 0.03
		8.0 kb allele:	0.15 ± 0.03
(ii)	NsiI:	5.5 kb allele:	0.09 ± 0.02
		5.0 kb allele:	0.91 ± 0.02

CHROMOSOMAL LOCALIZATION: The genomic fragment encoding the second exon of a gene homologous to human pancreatic phosphoslipase A_2 has been assigned to the chromosome 1 by Southern filter hybridization of DNA from human-rodent hybrids (1,2).

MENDELIAN INHERITANCE: Codominant segregation of both RFLPs observed in two families (20 individuals).

PROBE AVAILABILITY: Requests for probe to J.J.S. at above address.

REFERENCES: 1. Seilhamer J J *et al.* 1988 J. Cell Biol. Suppl. 12E, 55
2. Seilhamer J J *et al.* 1988 (manuscript in preparation).
3. Seilhamer J J *et al.* 1986 DNA 5, 519-527.