



# ALFRED

## the ALlele FREquency Database

**ALFRED** is a free, web-accessible, curated compilation of allele frequency data on DNA sequence polymorphisms in anthropologically defined human populations. Data in **ALFRED** are assembled from the widely dispersed literature and unpublished sources and are linked to the specific publication or source as well as to molecular and ethnographic databases. **ALFRED** is supported by a grant from the U.S. National Science Foundation to be an international resource for research and teaching.

- **Over 35,200,000 allele frequency tables involving**
  - Over 663,000 polymorphisms and
  - Over 700 populations
- **Multiple allele frequency display formats**
  - Graphical stacked bars
  - Numeric tables
  - Pie-charts on Google Map or Google Earth
- **Easy searching options**
  - Loci alphabetically or by chromosome
  - Polymorphisms by chromosomal position
  - Populations by geographic region
  - Versatile Keyword search
  - Published SNP and STRP sets of forensic interest
- **Multiple data downloading formats**
  - Tab limited text
  - Arlequin input format
  - XML or PML (if requested by user)
- **Numerous summary tables providing quick overview of data**
  - Graphical display of contents in **ALFRED**
  - Numerical tables
  - Fst table ordered by chromosome
  - Help navigating in "Tour ALFRED" under Documentation tab
- **Free ALFRED newsletter when you register**

<http://alfred.med.yale.edu>

Highthroughput Data

Forensic SNPs

Genotype Data

CODIS Markers

CEPH-HGDP Data

Haplotypes

Marshfield Markers

