

Ricerca in banche-dati internazionali

<http://www.yhrd.org/>



IRD - Y Chromosome Haplotype Reference Database - Windows Internet Explorer fornito da Dominio DCA\SPS

http://www.yhrd.org/

YHRD - Y Chromosome Haplotype Reference Database

HRD.ORG 3.0

R28: 72055 haplotypes

Search Analyse Research Contribute Meet

WELCOME TO YHRD

The ability to identify male-specific DNA renders polymorphic Y-chromosomal sequences an invaluable addition to the standard panel of autosomal loci used in forensic genetics. Y-STR haplotyping is particularly important for sensitive typing of male DNA in mixed stains as well as for rapid assortment of biological crime scene evidence. Moreover, Y chromosomal profiling can trace back paternal lineages into the past and has thus been proven a useful tool in genealogical and kinship testing. The individuality of the male-specific part of the Y chromosome can be optimally explored by the Y-STR haplotype analysis using a set of highly variable short tandem repeat markers approved by the forensic and scientific community. An extremely informative Y-STR core set or minimal haplotype (minHt) amplifiable in a multiplex reaction has been recommended for court use: DYS19, DYS389I, DYS389II, DYS390, DYS391, DYS392, DYS393, DYS385ab (Kaye et al. 1997), (Pascali et al. 1999). This core haplotype can be extended by other hypervariable Y-STR loci (DYS438, DYS439, DYS437, DYS448, DYS456, DYS458, DYS635, YGATAH4) to further increase the power of discrimination (Ayub et al. 2000), (Redd et al. 2002), (Mulero et al. 2006).

With the establishment of the Y-STR haplotype reference database (YHRD) in the year 2000 two important objectives are pursued:

- I. the generation of reliable Y-STR haplotype frequency estimates for Y-STR haplotypes to be used in the quantitative assessment of matches in forensic and genealogical casework (Search Haplotypes)
- II. the assessment of male population stratification among world-wide populations as far as reflected by Y-STR haplotype frequency distributions (Population Analysis)

To this end, a large and steadily growing number of diagnostic and research laboratories (Search Contributors) have joined in a collaborative effort to collect population data (Search Contributions by accession number) and to create a sufficiently large reference database. All institutions contributing in this project, participated in an obligate quality control exercise. This database is interactive and allows the user the search for Y-STR haplotypes in various formats and within specified national databases and metapopulations. Related information i.e. STR characteristics, mutations, population genetic analyses etc. is documented (YSTR Etc).

SEARCH YHRD

YHRD.ORG 3.0



R28: 72055 haplotypes

Search Analyse Research Contribute Meet

LATEST NEWS

New Release 27!

February 13, 2009: We have updated the database and added **19 new or updated population samples with 3,974 haplotypes**. Most of these new haplotypes have been typed in the 17 locus (Yfiler) format. The YHRD has now **72,082 haplotypes**, 22% (15,956) of these with the maximal extension.

The new populations sets stem from 6 countries (Greenland, Kuwait, Italy, Spain, Tunisia, United States of America).

We thank all colleagues for their contributions: Carmen Tomas Mas, Charlotte Hallenberg and Niels Morling from Copenhagen, Denmark <http://www.yhrd.org/YC000109>, Arthur Eisenberg, Bruce Budowie, Lisa Calandro, Manohar Furtado from Quantico, Houston and Foster City, USA <http://www.yhrd.org/YC000179>, Achmed Rebai and Imen Ayadi from Sfax, Tunisia <http://www.yhrd.org/YC000177> and Antonia Picornell Rigo from Palma de Mallorca, Spain <http://www.yhrd.org/YC000178>

All contributors have passed QC and received YHRD accession numbers for each contributed population sample (YA003475-YA003493).

Posted 2 months and 17 days ago by **Lutz Roewer** (Last modified 2 months and 17 days ago)



YHRD by Sascha Willuweit & Lutz Roewer is licensed under a Creative Commons Attribution-NonCommercial-Share Alike 3.0 Unported License. Permissions beyond the scope of this license may be available at <http://yhrd.org/Legal>.

ultimo aggiornamento: 13/02/2009

DAC - Servizio Polizia Scientifica

Ricerca in banche-dati internazionali

<http://www.yhrd.org/>



YHRD.ORG 3.0 Search

R28: 72055 haplotypes

Haplotypes
Populations
Contributors
Contributions

Analyse Research Contribute Meet

DYS19: 14, DYS389I: 12, DYS389II: 29, DYS390: 22, DYS391: 10, DYS392: 11, DYS393: 13, DYS385: 13,14
DYS438: 10, DYS439: 11, DYS437: 15, DYS448: 20, DYS456: 13, DYS458: 15, DYS635: 21, YGATAH4: 11

Custom database: Metapopulations
Whole database

Search Reset

Matches grouped by Metapopulations | Matches grouped by Continents | Frequency surveying estimates

- All Metapopulation: Found 0 of 15956 matching haplotypes [$f=0$ (95% CI: $0 - 2.312 \times 10^{-4}$)] in 0 of 79 populations.
- Eurasian Metapopulation: Found 0 of 6175 matching haplotypes [$f=0$ (95% CI: $0 - 5.972 \times 10^{-4}$)] in 0 of 43 populations.
- East Asian Metapopulation: Found 0 of 5990 matching haplotypes [$f=0$ (95% CI: $0 - 6.157 \times 10^{-4}$)] in 0 of 7 populations.
- Australian Aboriginal Metapopulation: Found 0 of 0 matching haplotypes [$f=0.0$] in 0 of 0 populations.
- African Metapopulation: Found 0 of 1072 matching haplotypes [$f=0$ (95% CI: $0 - 3.435 \times 10^{-3}$)] in 0 of 2 populations.
- Amerindian Metapopulation: Found 0 of 0 matching haplotypes [$f=0.0$] in 0 of 0 populations.
- Eskimo Aleut Metapopulation: Found 0 of 0 matching haplotypes [$f=0.0$] in 0 of 0 populations.
- Afroeurasian Metapopulation: Found 0 of 784 matching haplotypes [$f=0$ (95% CI: $0 - 4.694 \times 10^{-3}$)] in 0 of 14 populations.
- Admixed Metapopulation: Found 0 of 1935 matching haplotypes [$f=0$ (95% CI: $0 - 1.905 \times 10^{-3}$)] in 0 of 13 populations.

Conclusioni

l'aplotipo appartenente a SOLLECITO
Raffaele **non** è presente nella banca-dati
di riferimento internazionale, su un
totale di
15956 aplotipi completi (17 loci)



Ricerca in banche-dati internazionali

<http://www.usystrdatabase.org/>



US Y-STR

US Y-STR Database

Release: 2.0 | Last Updated: 03/01/2009

Select Alleles Input Haplotype(s) From Your File

Common Markers

DYS19	DYS385	DYS389I	DYS389II
14	13,14	12	29
DYS390	DYS391	DYS392	DYS393
22	10	11	13
DYS437	DYS438	DYS439	DYS448
15	10	11	20
DYS456	DYS458	DYS635 (YGATAC4)	YGATAH4
13	15	21	11

Search By Ancestry

All
African American
Asian
Caucasian

Search Reset

Results: [Show Details](#)

Overall Database Summary:

The selected haplotype is found in 0 of **7075** total individuals within the database with a frequency of 0. Applying the 95% upper confidence interval results in a frequency of **0.000423**, which is equivalent to approximately 1 in every **2364** individuals.

The selected haplotype is found in 0 of **2374 African American** individuals within the database, with a frequency of **0.000000**. Applying the 95% upper confidence interval results in a frequency of **0.001261**, which is equivalent to approximately 1 in every **793** individuals.

The selected haplotype is found in 0 of **537 Asian** individuals within the database, with a frequency of **0.000000**. Applying the 95% upper confidence interval results in a frequency of **0.005563**, which is equivalent to approximately 1 in every **180** individuals.

The selected haplotype is found in 0 of **2433 Caucasian** individuals within the database, with a frequency of **0.000000**. Applying the 95% upper confidence interval results in a frequency of **0.00123**, which is equivalent to approximately 1 in every **813** individuals.

The selected haplotype is found in 0 of **1613 Hispanic** individuals within the database, with a frequency of **0.000000**. Applying the 95% upper confidence interval results in a frequency of **0.001855**, which is equivalent to approximately 1 in every **539** individuals.

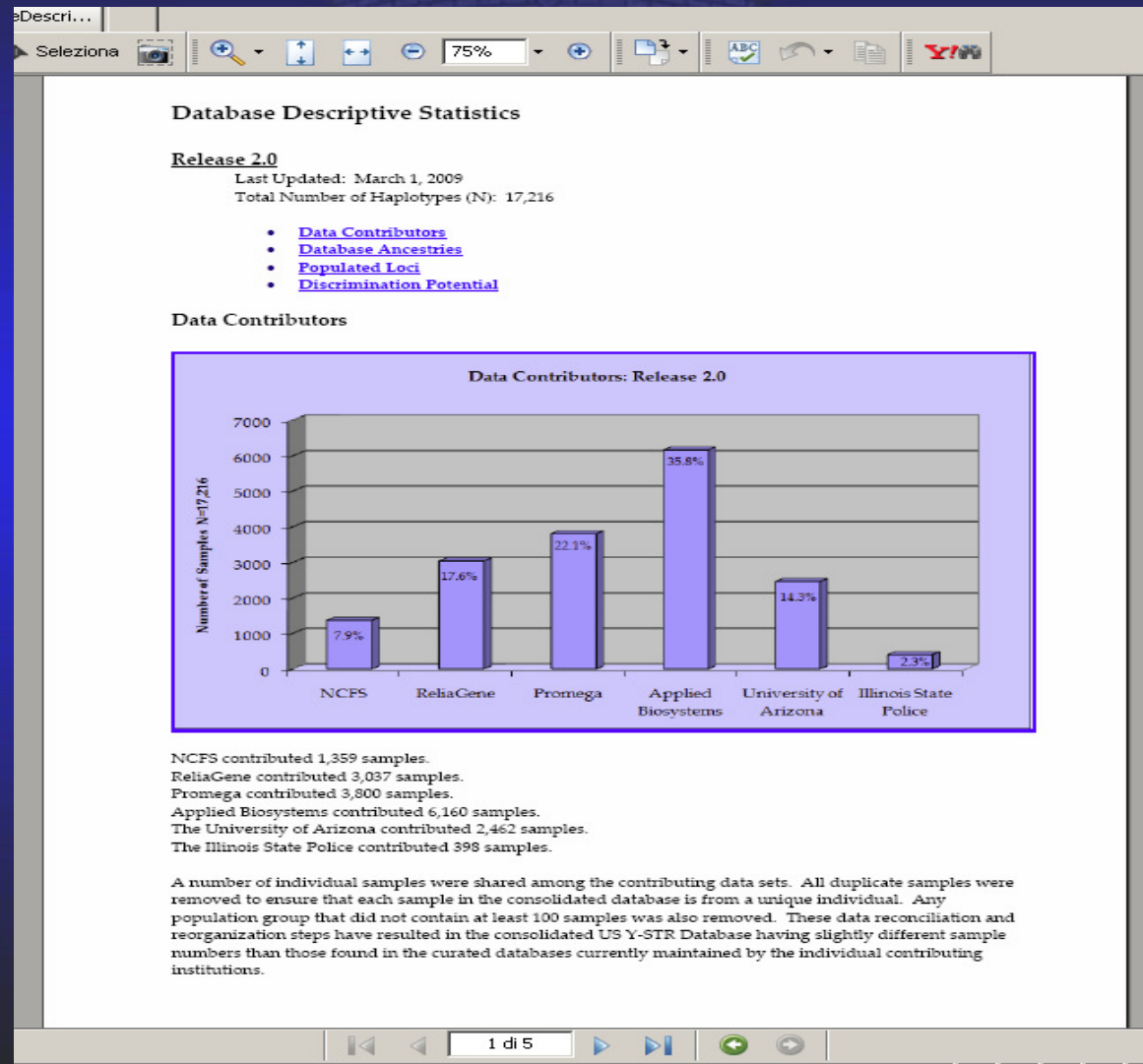
The selected haplotype is found in 0 of **118 Native American** individuals within the database, with a frequency of **0.000000**. Applying the 95% upper confidence interval results in a frequency of **0.025068**, which is equivalent to approximately 1 in every **40** individuals.

ultimo aggiornamento: 01/03/2009

DAC - Servizio Polizia Scientifica

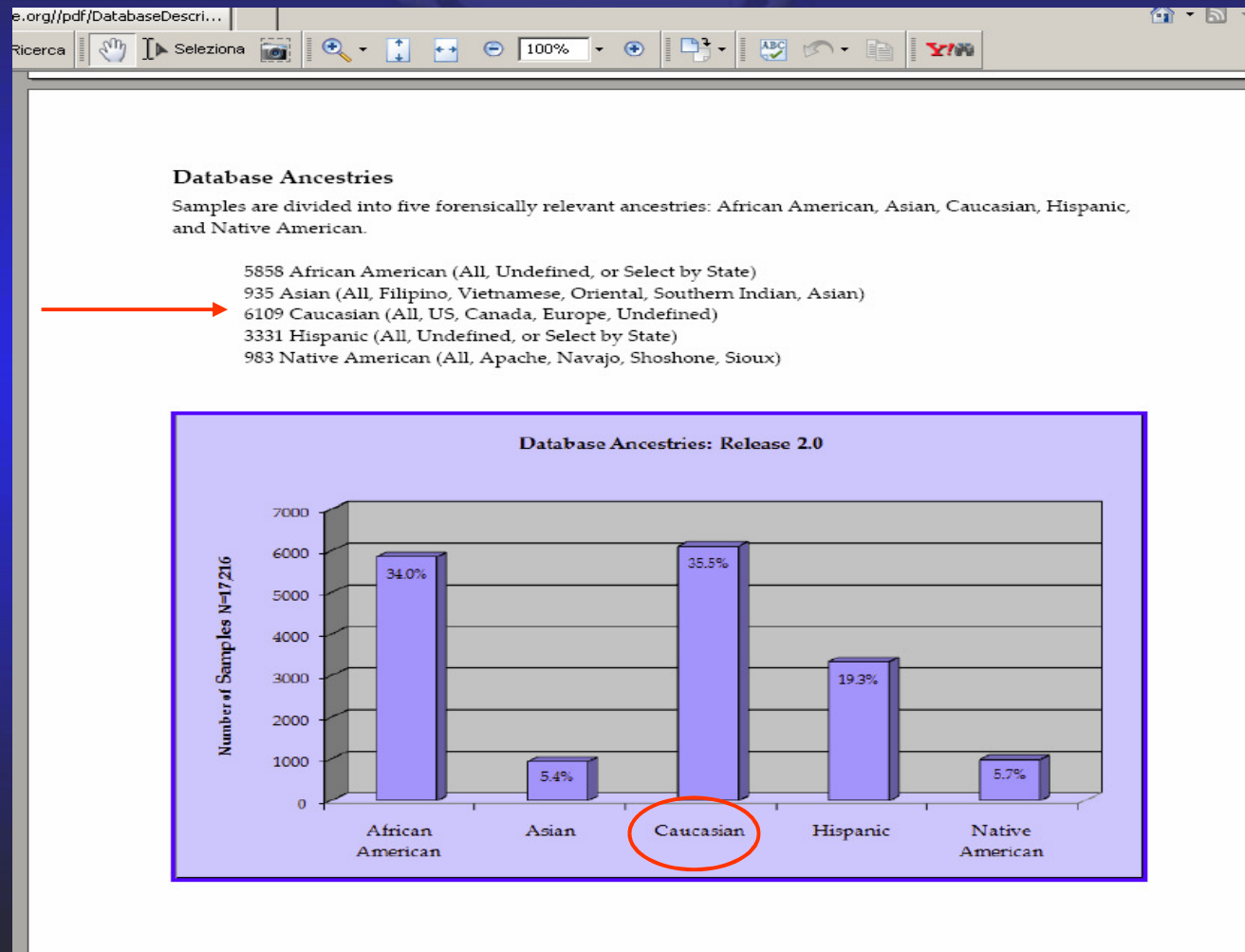
Ricerca in banche-dati internazionali

<http://www.usystrdatabase.org/>



Ricerca in banche-dati internazionali

<http://www.usstrdatabase.org/>



Ricerca in banche-dati internazionali

<http://www.usystrdatabase.org/>

