

FOR THE RECORD

Raúl Y. Tito,¹ Paul W. López,¹ Gian Carlo Iannacone,¹ M.Sc.; and Beatriz Lizárraga,¹ D.Sc.

Genetic Diversity of Sixteen STRs in the Peruvian Mesa Redonda Lima Population

POPULATION: Mesa Redonda (Lima-Peru)

KEYWORDS: forensic science, DNA typing, identifier, Peru, Lima, Mesa Redonda, population genetics, multiplex PCR, STR

Blood samples were collected from relatives of the missing persons of the fire on December 29, 2001 at Mesa Redonda, in the area of Lima, Peru. The biological samples used in this study consisted of blood stored on FTA[®] cards (Whatman Bioscience) from 151 unrelated individuals (87 females, 64 males). DNA was purified of the FTA[®] according to manufacturer's protocols.

Sixteen locus were amplified and typed using the AmpF ℓ STR Identifier Kit and ABI 310 Genetic Analyzer (PE Applied Biosystems) with GeneScan 3.7 and Genotyper 3.7 NT software according to manufacturer's protocol.

Allele frequencies were estimated by gene counting. Evaluation of Hardy-Weinberg expectations and other forensic statistical parameters was performed with the GDA software, version 1.1 (1) and PowerStats, Promega (2), respectively.

The complete dataset is available upon request from Dr. Beatriz Lizárraga, Laboratorio. Biomolecular y Genética, Instituto de

¹ Instituto de Medicina Legal, Ministerio Público, Laboratorio Biomolecular y Genética, Lima, Peru.

Medicina Legal, Avenida Abancay # 491, Sexto piso Edificio Ex-Progreso Lima – Perú, e-mail: blizarraga@mpfn.gob.pe

References

1. Tereba A. Tools for analysis of population statistics. Profiles in DNA. Promega 1999; 2(3):14–6.
2. Lewis P, Zaykin D. Genetic data analysis: computer program for the analysis of allelic data. Version 1.0 (d16c), 2001. Free program distributed by the authors over the Internet from <http://lewis.eeb.uconn.edu/lewishome/software.html>

Additional information and reprint requests:

Beatriz Lizárraga, D.Sc.
Laboratorio Biomolecular y Genética
Instituto de Medicina Legal
Fiscalía de la Nación - Ministerio Público
Avenida Abancay # 491
Sexto piso Edificio Ex-Progreso
Lima – Perú
Phone: (0511)426 4620 ext 6516
Fax: (0511) 426 4620 ext 6506
E-mail: adn@mpfn.gob.pe

