

Announcement of population data
Allele frequencies of 19 STR loci in a Philippine population
generated using AmpFISTR multiplex and ALF singleplex
systems

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Received 18 May 2004; received in revised form 27 September 2004; accepted 29 September 2004
Available online 28 November 2004

Abstract

Allele frequencies for the 19 short tandem repeat (STR) loci CSF1PO, D2S1338, D3S1358, D5S818, D7S820, D8S306, D8S1179, D13S317, D16S539, D18S51, D19S433, D21S11, DHFRP2 (FOLP23), F13A01, FES/FPS, FGA, TH01, TPOX, and vWA were obtained from a sample of 106 unrelated Filipinos from different regions of the Philippine archipelago.

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Keywords: Philippines; Identifier; Multiplex; Singleplex; ALFexpress; D8S1179

Population: Unrelated individuals from the National Capital Region ($n = 30$) and the three major island groups: Luzon ($n = 35$), Visayas ($n = 7$) and Mindanao ($n = 34$).

Extraction: Genomic DNA was extracted from blood samples using a standard phenol–chloroform procedure [1]. Alternatively, blood was blotted onto Fitzco FTATM paper (Whatman Inc.) and extracted following the manufacturer's instructions.

PCR: Singleplex PCR of CSF1PO, D8S306, DHFRP2 (FOLP23), F13A01, FES/FPS, FGA, TH01, TPOX and vWA was performed as described previously [2,3]. A 20 μ L reaction mix containing 0.15 μ M D8S1179 Cy5-labeled

primers [4], 1 \times buffer, 1.5 mM MgCl₂, 200 μ M dNTPs, 60 ng/ μ L BSA and 0.3 U/ μ L *Taq* polymerase was cycled through 2-min initial denaturation at 96 °C; 30 cycles: 1 min, 94 °C, 1 min, 60 °C and 1.5 min, 72 °C; 30 min final extension at 72 °C. Additional loci were amplified using the modified Identifier PCR Amplification Kit (Applied Biosystems). The AmpFISTR[®] Profiler Plus *ID* PCR Amplification Kit (Applied Biosystems) and PowerPlex[®] 16 (Promega Corporation) were used to confirm discordant scores.

Typing: ALFexpressTM (Amersham-Pharmacia Biotech) and ABI PRISM[®] 310 Genetic Analyzer (Applied Biosystems).

Results: See Table 1.

Quality control: Laboratory internal control standards and kit controls.

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