

FOR THE RECORD

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Distribution of DYS19, DYS389 I, DYS389 II, DYS390 Alleles in a Southern Italian Population Sample

POPULATION: Southern Italian (from Apulia); *N*=73.

KEYWORDS: forensic science, Y chromosome, DYS19, DYS389 I, DYS389 II, DYS390, Italy

Blood samples were obtained from selected and unrelated individuals. DNA was extracted with the standard Chelex[®] 100 (Bio-Rad, CA) extraction procedure (1); DNA samples were amplified in a DNA Thermal Cycler 480 (Perkin Elmer Cetus, NJ) using 10 ng of template DNA.

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Alleles were classified by according to the recommendations of the ISFH (2). Gene or haplotype diversity was calculated according to the formula $D=1-\sum x_i^2$ with x_i being the frequency x of the each aploptype or allele.

The complete dataset can be accessed at <http://www.dimimp.uniba.it/medlegal/emogen/freq.htm>

References

1. Walsh PS, Metzger DA, Higuchi R. Chelex 100 as a medium for simple extraction of DNA for PCR-based typing from forensic material. *Biotecniques* 1991;10:506-13.
2. Nei M. *Molecular evolutionary genetics*. Columbia University Press, New York, 1987.

Additional information and reprint requests.
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TABLE 1—*Distribution of alleles in a Sourthern Italian population sample.*

Allele	DYS389-I	DYS19	DYS390	DYS389-II
9	0.232			
10	0.575			
11	0.178			
12	0.013			
<13		0.027		
13		0.178		
14		0.465		
15		0.232		
16		0.054		
17		0.041		
21			0.027	
22			0.136	
23			0.383	
24			0.356	
25			0.082	0.150
26			0.013	0.397
27				0.342
28				0.109