

For the Record

Distribution of HumvWA31, HumFESFPS, HumTH01, HumTPOX, HumCD4, HumCSF1PO Alleles in a Southern Italian Population Sample

Nunzio Di Nunno, M.D.,¹ Stefania Lonero Baldassarra, B.Sc.,¹
 Monica Carbonara, B.Sc.,² Ginevra Guanti, M.D.,³
 Nicoletta Resta, B.Sc.,³ Luigi Viola, M.D.,¹
 Cosimo Di Nunno, M.D.¹

Population: Southern Italian (from Apulia); N = 128 for TH01, 154 for vWA31, 152 for FESFPS, 84 for TPOX, 74 for CD4, 76 for CSF1PO

¹ Dipartimento di Medicina Interna e Medicina Pubblica (DI.M.I.M.P), Sezione di Medicina Legale; Università degli Studi di Bari, Italy.

² DI.M.I.M.P.-Sezione di Medicina del Lavoro; Università degli Studi di Bari, Italy.

³ DI.M.I.M.P.-Sezione di Genetica Medica; Università degli Studi di Bari, Italy.

Keywords: DNA typing, population genetics, short tandem repeats, polymerase chain reaction, vWA31, TH01, TPOX, CD4, CSF1PO, Italy

Blood samples were obtained from randomly 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. Alleles were classified according to the recommendations of the ISFH (2). Data were analyzed for the Hardy-Weinberg equilibrium by calculating the expected homozygote/heterozygote frequencies, the likelihood ratio test and the χ^2 test, and were found to meet HWE expectations.

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

References

- Walsh PS, Metzger DA, Higuchi R. Chelex 100 as a medium for simple extraction of DNA for PCR-based typing from forensic material. *BioTechniques* 1991;10:506-13.
- DNA recommendations report concerning further recommendations of the DNA Commission of the ISFH regarding PCR-based polymorphism in STR (shorth tandem repeat) system. *Int J Legal Med* 1994;107: 159-60.

Allele	TH01	vWA31	FESFPS	TPOX	CSF1PO	CD4
5	0.003					0.304
6	0.265					0.351
7	0.199			0.017		
8	0.125			0.452	0.006	
9	0.183		0.009	0.148	0.039	0.013
9.3	0.207					
10	0.015		0.210	0.071	0.335	0.290
11		0.003	0.434	0.279	0.532	0.033
12			0.279	0.029	0.072	0.006
13		0.003	0.062		0.013	
14		0.113	0.003			
15		0.100				
16		0.204				
17		0.240				
18		0.217				
19		0.090				
20		0.025				