

## FOR THE RECORD

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# Allele Frequencies for Three STR Loci in Turkish Population of Kosovo

**POPULATION:** Turkish population of Kosovo

**KEYWORDS:** forensic science, DNA typing, population genetics, short tandem repeats, polymerase chain reaction, Turkish population, Kosovo, CSF1PO, TH01, TPOX

Blood samples were collected from unrelated individuals who claim to have Turkish origin and speak the Turkish language in Kosovo. We analyzed blood samples of volunteer individuals. DNA was extracted using Chelex 100 extraction method (1) and the typing was performed using the Gene print STR systems ac-

TABLE 1—Observed allele frequencies in the population of Kosovo Turks.

Allele	CSF1PO N = 61	TH01 N = 72	TPOX N = 67
6		0.284	
7		0.173	
8	0.008	0.100	0.485
9	0.041	0.145	0.119
9.3		0.180	
10	0.230	0.111	0.022
11	0.369	0.007	0.358
12	0.328		0.015
13	0.024		
14			
15			
16			
17			
18			
19			
20			
21			
Σ <sup>2</sup>	4.626	14.044	2.367

TABLE 2—Statistical parameters of medicolegal interest.

	CSF1PO	TH01	TPOX
Power of discrimination	0.98	0.94	0.68
Probability of match	0.01	0.06	0.32
Expected heterozygosity	0.77	0.75	0.71
Power of exclusion	0.70	0.68	0.41
Paternity index	0.03	0.02	0.02

ording to the manufacturer's instructions. The detection was done by silver staining. The statistical analysis revealed no significant deviation from Hardy Weinberg expectations. Parameters like observed and expected heterozygosity, power of exclusion and discrimination, probability of match, paternity index as well as a detailed comparison with various populations (2) are available at <http://istanbul.edu.tr/enstituler/forensic/popgen-03.htm>.

This study was partly supported by the Research Fund of the University of Istanbul.

### References

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