

FOR THE RECORD

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Turkish Population Data on the CTTV STR Loci

POPULATION: The population consists of 168 unrelated Turkish individuals randomly selected from criminal cases.

KEYWORDS: forensic science, DNA typing, short tandem repeats, Turkish population, population genetics, CSF1PO, TPOX, TH01, vWA

The samples were collected from 168 unrelated Turkish individuals randomly selected from criminal cases. The DNA was extracted from fresh blood leucocytes and blood stains following the published methods (1,2). For each PCR mix 2–25 ng of DNA was added to the PCR mix. All the CTTV loci were amplified in one reaction tube. Amplification of multiplex loci was done with the help of GenePrint STR system CTTV kit in accordance of the manufacturer's (Promega Corp., Madison, WI) recommendations. Separations of the amplified alleles were performed by ABI Prism 310 Genetic Analyzer. The exact test (3) for the presence of Hardy-Weinberg equilibrium was carried out by the TFPGA (4) program. Heterozygosity (5) values (expected and observed) for the populations were calculated by employing GENETIX (6) program.

The complete data are available to any interested researcher upon request.

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- TFPGA software program on the web <http://evolution.genetics.washington.edu/philip/software.html>.
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- GENETIX software program on the web <http://www.univmontp2.fr/~genetix/genetix.htm>.

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TABLE 1—Allele frequencies and H-W equilibrium for the CSF1PO, TPOX, TH01 and vWA loci in Turkish population.

Allele	vWA	TH01	TPOX	CSF1PO
6		0.2619	0.0030	
7		0.2143	...	0.0030
8		0.1012	0.4851	0.0060
9		0.2083	0.0923	0.0268
9,3		0.1667		
10		0.0476	0.0833	0.2381
11			0.2917	0.2887
12			0.0446	0.3512
13	0.0060			0.0655
14	0.0893			0.0149
15	0.0804			0.0060
16	0.2292			
17	0.2798			
18	0.2143			
19	0.0952			
20	0.0060			
Observed heterozygosity	0.7798	0.7917	0.5952	0.7262
Expected heterozygosity	0.8021	0.8042	0.6641	0.7335
Exact test (<i>p</i> -values)	0.9057 ± 0.0261	0.5433 ± 0.0455	0.1899 ± 0.0356	0.5034 ± 0.0829