FOR THE RECORD

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Allele Frequencies of 18 STR Loci in Chinese Population

POPULATION: Chinese

KEYWORDS: forensic science, DNA typing, population genetic, short tandem repeats, polymerase chain reaction

Specimens of 110 unrelated individuals were collected from Han ethnic group in Jiangsu Province of China. DNA was extracted from blood specimens using Chelex 100 method. (1) Amplifications were carried out by using reagents provided in DNA examining Kit (Codon Biotechnology CD., LTD, China) and using a Mastercycler gradiend 5331 (Eppendorf AG, Hamburg, Germany) according to the technical manual. The amplified products were separated denaturing polyacrylamide gel electrophoresis with continuous buffer system and visualized by silver staining. Data were analyzed using POWERSTATS software (2). A modified x^2-test was used to verify whether the genetype distribution conformed to Hardy-Weinberg equilibrium predictions (3).

The complete data can be obtained from the authors on request to jiqiang 182l@163.com.

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TABLE 1—*18 STR loci in Chinese population.*

Allele	CSF1PO	TPOX	TH01	D16S539	D7S820	D13S317	D11S2368	D7S3048	D8S1132
5				0.001					
6			0.094		0.001				
7	0.002	0.011	0.262		0.025	0.001			
8	0.009	0.485	0.058	0.001	0.203	0.360			
9	0.077	0.134	0.490	0.305	0.172	0.158			
10	0.240	0.031	0.071	0.122	0.172	0.106			
11	0.300	0.301		0.198	0.241	0.168			
12	0.279	0.019		0.236	0.185	0.168			
13	0.070	0.008		0.084	0.026	0.084			
14	0.018			0.015	0.002	0.008			
15	0.003					0.002		0.048	
16							0.112	0.067	
17							0.106	0.172	0.093
18							0.195	0.125	0.210
19							0.147	0.089	0.209
20							0.235	0.157	0.131
21							0.086	0.131	0.148
22							0.035	0.084	0.091
23							0.012		0.075
24									0.011
25									
26									
HWE*	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$
DP	0.86	0.82	0.91	0.89	0.91	0.92	0.95	0.96	0.94

HWE: Test for Hardy-Weinberg equilibrium.
DP: Discrimination probability.

TABLE 1—*Continued.*

Allele	D14S306	D19S253	D18S535	D22S684	D12S391	D3S1358	D2S1338	D8S1179	D5S818
5									
6									
7		0.171							0.014
8		0.071							
9	0.077	0.002							0.073
10	0.080	0.033	0.168					0.093	0.180
11	0.164	0.095	0.037					0.063	0.354
12	0.279	0.300	0.037					0.132	0.224
13	0.132	0.181	0.089					0.218	0.115
14	0.203	0.133	0.176			0.044		0.209	0.008
15		0.001	0.362			0.382		0.160	
16			0.089		0.014	0.298	0.041	0.099	
17					0.111	0.191	0.112	0.014	
18					0.142	0.071	0.142	0.006	
19				0.012	0.044	0.002	0.077		
20				0.108	0.037		0.037		
21				0.392	0.050		0.054		
22				0.226	0.061		0.061		
23				0.172	0.151		0.152		
24				0.061			0.193		
25				0.019			0.073		
26				0.001					
HWE*	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$
DP	0.83	0.91	0.85	0.91	0.96	0.82	0.93	0.91	0.89

HWE: Test for Hardy-Weinberg equilibrium.
DP: Discrimination probability.