

FOR THE RECORD

Q. Ji,¹ Ph.D.; H. Zhang,^{1,2} M.S.; H. Du,^{1,2} M.S.; J. Dong,¹ Ph.D.; J. Tang,¹ Ph.D.; Y. Sheng,² B.S.; J. Liao,² B.S.; Q. Wang,² B.S.; and Y. Hou,¹ M.D.

Allele Frequencies of CODIS STR Loci in Chinese Population

POPULATION: Chinese

KEYWORD: forensic science, DNA typing, population genetic, short tandem repeats, polymerase chain reaction, CODIS, Chengdu, Sichuan, China

Specimens of 100 unrelated individuals were collected from Han ethnic group in Sichuan Province of China. DNA was extracted from blood specimens using Chelex 100 method (1).

Amplifications were carried out by using reagents provided in AmpF ℓ STR[®] COfiler[™] PCR Amplification Kit and AmpF ℓ STR[®] Profiler Plus[™] PCR Amplification Kit (Perkin-Elmer, Norwalk, CT) and using a GeneAmp PCR System 9600 (Perkin-Elmer, Norwalk, CT) according to the technical manual. The amplified products were separated by ABI PRISM[®] 310 Genetic Analyzer (Perkin-Elmer, Norwalk, CT) according to the technical manual.

Data were analyzed using POWERSTATS software (2). A modified χ^2 -test was used to verify whether the genotype distribution conformed to Hardy-Weinberg equilibrium predictions (3).

¹ West China School of Preclinical and Forensic Medicine, Sichuan University, Chengdu 610041, Sichuan, P. R. China.

² Center of Forensic Sciences, Bureau of Public Security of Sichuan Province, Chengdu 610041, Sichuan, P. R. China.

The dataset can be accessed at <http://www.legalmed.org/dna/CODIS13.htm>.

References

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Additional information and reprint requests:

Prof. Yi Ping Hou
West China School of Preclinical and Forensic Medicine
Sichuan University
Chengdu 610041, Sichuan
P.R. China

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

Allele	D3S1358	VWA	FGA	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	CSF1P0	TH01	D16S539	TPOX
6											0.080		
7							0.015			0.005	0.275	0.005	
8							0.010	0.250	0.095		0.030	0.010	0.495
9							0.065	0.165	0.070	0.060	0.495	0.265	0.140
9.3											0.055		
10				0.165		0.005	0.180	0.185	0.135	0.235	0.060	0.130	0.025
11				0.070			0.300	0.215	0.340	0.215	0.005	0.215	0.315
12				0.135		0.030	0.310	0.165	0.300	0.370		0.265	0.025
13		0.005		0.210		0.230	0.115	0.020	0.050	0.095		0.800	
14	0.055	0.325		0.155		0.190	0.005		0.010	0.015		0.030	
15	0.360	0.035		0.185		0.195				0.005			
16	0.300	0.120		0.055		0.130							
17	0.225	0.230		0.025		0.080							
18	0.055	0.195	0.010			0.005							
19	0.005	0.085	0.070			0.060							
20		0.005	0.055			0.020							
21						0.110							
22				0.155		0.020							
22.2				0.005									
23				0.210		0.005							
23.2				0.020									
24				0.165		0.005							
24.2				0.015									
25				0.110		0.005							
25.2				0.005									
26				0.050		0.005							
27				0.020									
28					0.060								
29					0.350								
30					0.205								
30.2					0.010								
31					0.125								
31.2					0.070								
32					0.015								
32.2					0.105								
33.2					0.060								
HWE*	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$	$p > 0.05$

* Test for Hardy-Weinberg equilibrium.