## FOR THE RECORD

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## DNA Polymorphism Study at D2S1328 and D11S1986 in Chinese Population

## **POPULATION:** Chinese

**KEYWORDS:** forensic science, Han in Sichuan, China, DNA typing, short tandem repeats, polymerase chain reaction, D2S1328, D11S1986, population genetics

TABLE 1—Allele	frequencies	of two STR	loci in	Chinese	population.

	Frequency			
	D2S1328	D11S1986		
Allele	(N = 110)	(N = 109)		
8	0.005			
9	0.560			
10	0.138	0.096		
11	0.128	0.110		
12	0.055	0.170		
13	0.037	0.087		
14	0.055	0.092		
15	0.023	0.037		
16		0.119		
17		0.220		
18		0.037		
19		0.032		
Total	1.000	1.000		
HWE*	P > 0.05	P > 0.05		

\* Test for Hardy-Weinberg equilibrium.

Blood samples were collected from unrelated individuals of Chinese Han ethnic group in Chengdu of China. DNA was extracted using Chelex method (1). PCR amplification conditions can be accessed at http://www.legalmed.org/dna/D2S1328.htm. The volume of PCR reaction for each locus was  $20 \,\mu$ L. The PCR products were analyzed by horizontal non-denaturing polyacrylamide gel electrophoresis with discontinuous buffer system and visualized by silver staining (2). Data of population genetics and forensic science were analyzed using POWERSTATS program (3). The genotype distribution was analyzed for Hardy-Weinberg equilibrium

TABLE 2—Population genetics and forensic data of two STR loci.

Locus	PIC	PD	Pm	PE	Ho	H <sub>e</sub>
D2S1328	0.62	0.843	0.157	0.37	0.661	0.958
D11S1986	0.85	0.959	0.041	0.812	0.909	0.912

PIC: polymorphism information content; PD: power of discrimination; Pm: probability of match; PE: power of Exclusion;  $H_o$ : observed heterozygosity;  $H_e$ : expected heterozygosity.

according to Hou's method (4). No deviation from Hardy-Weinberg equilibrium was observed. The complete data can be accessed at http://www.legalmed.org/dna/D2S1328.htm.

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