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.*

Allele	Frequency	
	D2S1328 ($N = 110$)	D11S1986 ($N = 109$)
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 µL. 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

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

Locus	PIC	PD	Pm	PE	H_o	H_e
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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