

FOR THE RECORD

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Polymorphism Data at AY639919 and AY639922 Loci in Chinese Population

POPULATION: Chinese

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

Allele	Frequency	
	AY639919 (n = 109)	AY639922 (n = 122)
10		0.004
11		0.008
12		0.180
13		0.492
14		0.238
15		0.074
16	0.017	0.004
17	0.034	
18	0.227	
19	0.517	
20	0.206	
HWE	p > 0.05	p > 0.05

HWE: 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/AY639919.htm>. The PCR reaction volume for each locus was 37.5 μ L. The PCR products were analyzed by horizontal non-denaturing polyacrylamide gel electrophoresis with discontinuous buffer system and visualized by silver staining (2,3). Data of population genetics and forensic science were analyzed using POWERSTATS program (4). The genotype distribution was analyzed for Hardy-Weinberg equilibrium according to Hou's methods (5) and no deviation from Hardy-Weinberg equilibrium was observed.

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

Locus	PIC	DP	Pm	EP	H _o	H _e
AY639919	0.58	0.820	0.180	0.307	0.613	0.6373
AY639922	0.61	0.834	0.166	0.423	0.697	0.6633

PIC: polymorphism information content; DP: power of discrimination; Pm: probability of match; EP: power of exclusion; H_o: observed heterozygosity; H_e: expected heterozygosity.

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The complete data can be accessed at <http://www.legalmed.org/dna/AY639919.htm>.

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