

FOR THE RECORD

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Allele Frequencies for Three STR Loci D1S1612, D2S1391, and D17S2196 in Chinese Population

Population: Chinese

Keywords: forensic science, DNA typing, short tandem repeat, population genetics, polymerase chain reaction, Chengdu, Sichuan, China

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/d1d2d17.htm>. The PCR reaction volume for each locus was 37.5 μ L. The PCR products were analyzed by horizontal nondenaturing polyacrylamide gel electrophoresis with discontinuous buffer system and visualized by silver staining (2). Data of population genetics and forensic science

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were analyzed using POWERSTATS program (3). The genotype distribution was analyzed for Hardy-Weinberg equilibrium 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/d1d2d17.htm>.

Reference

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Locus	D1S1612 (N = 120)	Locus	D2S1391 (N = 121)	Locus	D17S2196 (N = 123)
Allele		Allele		Allele	
8	0.004	10	0.012	9	0.004
9	0.017	11	0.012	10	0.004
10	0.033	12	0.165	11	0.191
11	0.146	13	0.493	12	0.102
12	0.333	14	0.252	13	0.118
13	0.279	15	0.058	14	0.187
14	0.142	16	0.008	15	0.337
15	0.046			16	0.057
HWE*	$p > 0.05$		$p > 0.05$		$p > 0.05$

* Test for Hardy-Weinberg equilibrium.