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FOR THE RECORD

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Allele Frequencies of Two Y-STRs in a Chinese Population

POPULATION: Chinese population

KEYWORDS: forensic science, genotyping, chromosome Y, DYS447, DYS450, STR, population genetics, Chinese population

A total of 74 blood samples were collected from unrelated males of Han ethnic group in Chongqing of China. DNA was extracted by utilizing Chelex method (1). Each PCR reaction contained 2–10 ng DNA, 1 × Taq buffer, 1.5 mM $MgCl_2$, 200 μM each dNTP (Pharmacia Biotech, Sweden), 1.5 U Taq polymerase (NEB, UK), 0.3 μM each primer. PCR amplifications were performed in a GeneAmp PCR System 9600 (Perkin-Elmer, Foster City, CA), with denaturing for 2 min at 94°C, followed by 30 cycles of 94°C for 50 s, 58°C for 50 s and 72°C for 30 s. PCR products were analyzed by horizontal non-denaturing polyacrylamide gel electrophoresis with discontinuous buffer system, gels were silver stained (2). Alleles were designated according to recommendation of the International Society of Forensic Genetics (3). The gene diversities, the haplotypes diversity, and the standard errors of diversity were calculated in accordance with Hou's method (4).

The complete dataset can be accessed at: http://www.legalmed.org/dna/DYS447.htm

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TABLE 1—*Allele frequencies of two Y-STRs in a Chinese population.*

Locus	Alleles	Frequencies	Diversity	Standard Error
DYS447	20	0.1373	0.8118	0.0208
	21	0.3333		
	22	0.1373		
	23	0.2157		
	24	0.0588		
	25	0.0588		
	26	0.0196		
	28	0.0392		
DYS450	12	0.4324	0.6175	0.0215
	13	0.4460		
	14	0.0405		
	15	0.0135		
	16	0.0541		
	17	0.0135		

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