

FOR THE RECORD

J. Q. Deng,¹ Ph.D.; B. W. Ying,¹ Ph.D.; M. S. Shi,¹ Ph.D.; Y. P. Hou,¹ M.D.; J. Yan,¹ Ph.D.; Y. B. Li,¹ M.D., J. Wu,¹ M.D.; J. P. Tang,¹ Ph.D; and Q. Ji,¹ Ph.D.

Two X-Chromosome STR Loci DXS6804 and DXS9896 Frequency Data in Chinese Population

POPULATION: Chinese

KEYWORDS: forensic science, Han in Sichuan, China, DNA typing, short tandem repeats, polymerase chain reaction, population genetics, DXS6804, DXS9896

Blood samples were collected from unrelated individuals of the Chinese Han ethnic group in Chengdu, China. DNA was extracted using the Chelex method (1). PCR amplification conditions can be accessed at <http://www.legalmed.org/dna/DXS6804.htm>. The volume of PCR reaction for each locus was 37.5 μ L. The PCR products were analyzed by horizontal nondenaturing polyacrylamide gel electrophoresis with a discontinuous buffer system and visualized by silver staining (2). Data of female population genetics and forensic science were analyzed using the POWERSTATS program (3). The complete dataset can be accessed at <http://www.legalmed.org/dna/DXS6804.htm>

¹ Institute of Forensic Medicine, Sichuan University (West China University of Medical Sciences), Chengdu 610041, Sichuan, P. R. China.

References

- Walsh BS, Petzger DA, Higuchi R. Chelex-100 as medium for simple extraction of DNA for PCR-based typing from forensic material. *Biotechniques* 1991;10:506–10.
- Allen CR, Graves G, Budowle B. Polymerase chain reaction amplification products separated on rehydratable polyacrylamide gels and stained with silver. *Biotechniques* 1990;7:736–44.
- <http://www.promega.com>.

Additional information and reprint requests:

Prof. Yi Ping Hou, M.D.

Institute of Forensic Medicine

Sichuan University (West China University of Medical Sciences)

Chengdu 610041, Sichuan

P. R. China.

Fax: 86-28-85501549

E-mail: rechtsme@wcums.edu.cn

TABLE 1—Allele frequencies of 2 X-STR loci in Chinese population.

Allele	DXS6804		DXS9896	
	Male (N = 83)	Female (N = 80)	Male (N = 83)	Female (N = 80)
5				
6			0.048193	0.0310
7			0.036145	0.0190
8			0.072289	0.0430
9			0.144578	0.1540
10			0.265060	0.2100
11	0.036145	0.1130	0.120482	0.1110
12	0.168675	0.2250	0.084337	0.0860
13	0.265060	0.2000	0.060241	0.0930
14	0.240964	0.2440	0.060241	0.1050
15	0.192771	0.1560	0.048193	0.0930
16	0.096386	0.0630	0.060241	0.0560
PD	...	0.921		0.962
PE	...	0.599		0.627
Pm		0.079		0.038

PD (Power of Discrimination), PE (Power of Exclusion), Pm (probability of match).