

## FOR THE RECORD

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# Population Data of Two X-chromosome STR Loci GATA186D06 and GATA198A10 in China

**POPULATION:** Chinese

**KEYWORDS:** forensic science, Han in Sichuan, China, DNA typing, short tandem repeats, polymerase chain reaction, population genetics, GATA186D06, GATA198A10

Blood samples were collected from unrelated individuals of Chinese Han ethnic group in Chengdu of China. DNA was extracted

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

Allele	GATA186D06		GATA198A10	
	Male (N = 83)	Female (N = 80)	Male (N = 83)	Female (N = 80)
9			0.1204	0.380
10			0.1687	0.186
11			0.3012	0.295
12	0.18519	0.2400	0.2410	0.250
13	0.24702	0.3550	0.2048	0.179
14	0.44444	0.3800	0.0723	0.051
15	0.12345	0.2410		
PD	...	0.818		0.915
PE	...	0.252		0.397
Pm		0.182		0.085

PD: Power of Discrimination, PE: Power of Exclusion, Pm: probability of match.

using Chelex method (1). PCR amplification conditions can be accessed at <http://www.legalmed.org/dna/GATA186D06.htm>. The volume of PCR reaction for each locus was 37.5  $\mu$ L. The PCR products were analyzed by horizontal non-denaturing polyacrylamide gel electrophoresis with discontinuous buffer system and visualized by silver staining (2). Data of female population genetics and forensic science were analyzed using POWERSTATS program (3).

The complete data can be accessed at <http://www.legalmed.org/dna/GATA186D06.htm>.

## References

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