

## FOR THE RECORD

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# Genetic Profile of Three Short Tandem Repeat Loci CSF1PO, TPOX, and TH01 in a Chinese Korean Population

**POPULATION:** Chinese Korean.

**KEYWORDS:** forensic science, DNA typing, short tandem repeat, population genetics, CSF1PO, TPOX, TH01, Chinese Korean, Northeast, China

Blood samples were collected from 110 unrelated individuals of a Chinese Korean ethnic group living in Jilin province, northeastern of China. DNA was extracted by the phenol–chloroform method (1). DNA samples (1–2 ng) were amplified by using reagents provided in the GenePrint<sup>®</sup> STR System kit (Promega, Madison, WI) according to the technical manual (Part#TMD004).

TABLE 1—Allele frequencies of three STR loci in a Chinese Korean population from northeastern China.

Allele	Frequencies		
	CSF1PO ( <i>n</i> = 110)	TPOX ( <i>n</i> = 110)	TH01 ( <i>n</i> = 110)
6	—	—	0.205
7	—	0.005	0.232
8	—	0.518	0.360
9	0.320	0.105	0.491
1	0.294	0.180	0.360
11	0.234	0.323	—
12	0.349	0.270	—
13	0.780	—	—
14	0.140	0.005	—
HWE	0.717	0.567	0.730
PIC	0.680	0.550	0.610
PD	0.881	0.799	0.823
PE	0.438	0.325	0.428
<i>H</i> <sub>o</sub>	0.706	0.627	0.700

HWE, test for Hardy–Weinberg equilibrium; PIC, polymorphism information content; PD, power of discrimination; PE, power of exclusion; *H*<sub>o</sub>, observed heterozygosity.

PCR amplification was carried out in a GeneAmp PCR system 9600 (Perkin-Elmer, Foster City, CA). The PCR products were detected on 5% polyacrylamide denaturing gel and visualized by silver staining (2). Population statistics data were analyzed by computer programs-POWERSTATS (3). Exact test for Hardy–Weinberg equilibrium according to Guo's method (4) was performed, and no deviation from Hardy–Weinberg equilibrium was observed. The combined PD and PE were 0.996 and 0.783, respectively (Table 1).

The complete dataset is available via electronic mail from the communicating author at zhangyj@ybu.edu.cn.

## References

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