FOR THE RECORD

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Allele Frequencies for Two Short Tandem Repeat Loci in the Chinese Han Population from Chengdu, China, and a Thai Population from Thailand

POPULATION: Chinese Han and Thai.

KEYWORDS: forensic science, DNA typing, short tandem repeat, polymerase chain reaction, population genetics, Chinese Han, Thai, D4S1645, D7S3062

Blood samples were collected from unrelated individuals of the Chinese Han population living in Chengdu and a Thai population from Thailand. Genomic DNA was extracted using Chelex-100 (1). PCR products were electrophoresed in 6% polyacrylamide, followed by sliver staining (2). The amplicons were sequenced by

TABLE 1—Allele frequencies for the loci D4S1645and D7S3062 as well as their forensic parameters in Chinese Han and Thai.

Allele	D4S1645			D7S3062	
	Chinese $(n = 100)$	Thai (n = 97)	Allele	Chinese $(n = 100)$	Thai $(n = 100)$
5			20	0.010	0.010
6	0.100	0.155	21	0.030	0.010
7	0.045	0.021	22	0.085	0.055
8	0.050	0.021	23	0.220	0.215
9	0.275	0.196	24	0.190	0.175
10	0.240	0.289	25	0.210	0.265
11	0.210	0.196	26	0.160	0.165
12	0.060	0.119	27	0.075	0.065
13	0.020	0.005	28	0.015	0.025
14			29	0.005	0.015
HWE	p > 0.05	p > 0.05	HWE	p > 0.05	p > 0.05
H_0	0.740	0.804	$H_{\rm o}$	0.820	0.790
$P_{\rm m}$	0.073	0.079	P_{m}	0.053	0.058
PIC	0.78	0.77	PIC	0.81	0.79
DP	0.927	0.921	DP	0.947	0.942
$P_{\rm e}$	0.493	0.607	P_{e}	0.637	0.581
ΡĬ	1.92	2.55	ΡΪ	2.78	2.38

HWE, Hardy–Weinberg equilibrium test; $H_{\rm o}$, observed heterozygosity; $P_{\rm m}$, matching probability; PIC, polymorphism information content; DP, power of discrimination; $P_{\rm e}$, power of exclusion; PI, typical paternity index.

an ABI PRISMTM 377 Genetic Analyzer (Applied Biosystems, Foster City, CA) in order to make the right nomenclature. Data were analyzed by The Promega Software, POWERSTATS (3). No deviation from Hardy–Weinberg equilibrium was found in any population within the two loci.

The complete data set is available to any interested researcher by contacting wyanyun@gmail.com (Table 1).

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