

FOR THE RECORD

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STR Data for the AmpF ℓ STR Profiler Plus from Western China

POPULATION: Chinese

KEYWORDS: forensic science, Han in Sichuan, China, DNA typing, short tandem repeats, polymerase chain reaction, population genetics, AmpFISTR Profiler Plus, China

Blood samples were collected from unrelated individuals of Chinese Han ethnic group in Chengdu of China. DNA was extracted using Chelex method (1). 0.5–2 ng target DNA followed the protocols described in the AmpFISTR Cofiler user's manual (PE Applied Biosystems), the exception was that the PCR volume was 25 μ L. The samples were amplified using GeneAmp PCR System 9700 (Applied Biosystems, Foster City, CA). DNA typing was carried out on the ABI 3100 Genetic Analyzer (Applied Biosystems). The amplified products were detected with the ABI PRISM 3100 Genetic Analyzer using the separation medium Performance Optimized Polymer (POP) 4TM (Applied Biosystems, Foster City, CA). The results were analyzed using GeneScan analysis (version 3.1.2) software and genotypes were determined by comparison to allelic ladder using Genotyper DNA fragment analysis (version 2.5) software (Applied Biosystems, Foster City, CA). Alleles were designated following the DNA recommendations of the DNA commission of the ISHF (2). Statistical parameters like Power of Discrimination (PD), Polymorphic Information Content (PIC), Power of Exclusion (PE), Paternity Index (PI), matching probability (PM) and Heterozygosity observed (H_o) were calculated using PowerStats V12 (3–7). Test for Hardy-Weinberg equilibrium was carried out according to Hou's method (8). No deviation from Hardy-Weinberg equilibrium was observed.

The complete data can be accessed at <http://www.legalmed.org/dna/9STR.htm>.

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TABLE 1—Allele frequencies for AmpFISTR Profiler Plus in Chinese Han ethnic group (n = 260).

Allele	D8S1179	D21S11	D18S51	D5S818	D3S1358	D7S820	VWA	FGA	D13S317
7				0.031		0.004			0.002
8	0.002			0.002		0.194			0.313
9	...			0.085		0.063			0.137
10	0.142			0.179		0.137			0.115
11	0.115		0.002	0.327		0.325			0.221
12	0.115	...	0.040	0.233		0.233			0.169
13	0.183		0.158	0.127	0.002	0.033	0.004		0.027
14	0.194		0.206	0.012	0.058	0.008	0.263		0.015
15	0.162		0.190	0.006	0.338	0.004	0.017		
16	0.073		0.146		0.283		0.150		
17	0.012		0.071		0.263		0.213		
18			0.046		0.056		0.225	0.033	
18.2	0.002	
19	...		0.048				0.108	0.058	
20	...		0.031				0.017	0.071	
21	...		0.021				0.002	0.123	
22	...		0.017					0.190	
23	...		0.013					0.217	
23.2					0.002	
24	...		0.008					0.156	
25	0.002		0.002					0.090	
25.2								0.002	
26		0.002						0.054	
27		0.002							
28		0.048							
28.2		0.008							
29		0.254							
29.2		0.002							
30		0.267							
30.2		0.008							
31		0.094							
31.1		0.002							
31.2		0.077							
32		0.035							
32.2		0.156							
33		0.002							
33.2		0.040							
34.2		0.002							
36		0.002							
H _e	0.854	0.823	0.866	0.785	0.733	0.782	0.803	0.861	0.795
H _o	0.812	0.808	0.842	0.731	0.673	0.796	0.788	0.800	0.777
PM	0.042	0.055	0.035	0.081	0.118	0.087	0.070	0.039	0.073
PD	0.958	0.945	0.965	0.919	0.882	0.913	0.930	0.961	0.927
PIC	0.830	0.800	0.850	0.750	0.680	0.750	0.770	0.840	0.760
PE	0.621	0.613	0.680	0.477	0.388	0.592	0.578	0.599	0.557
PI	2.650	2.600	3.170	1.860	1.530	2.450	2.360	2.500	2.240
HWE	p > 0.05	p > 0.05	p > 0.05	p > 0.05	p > 0.05	p > 0.05	p > 0.05	p > 0.05	p > 0.05

H_o: observed heterozygosity; H_e: expected heterozygosity; PD: power of discrimination; PE: power of exclusion; PIC: polymorphism information content; PI: paternity index; PM: matching probability; HWE: Hardy-Weinberg disequilibrium.

Erratum

Erratum/Correction of Ying et al. STR Data for the AmpF ℓ STR Profiler Plus from Western China. *J Forensic Sci* 2005 May;50(3):716–717.

It has come to the attention of the Journal that the name of the 4th author is missed out in the printed version. The author is TingTing Liu who's from College of Stomatology Sichuan University, China.

The Journal regrets this error. Note: Any and all future citations of the above-referenced paper should read: Ying et al. STR Data for the AmpF ℓ STR Profiler Plus from Western China. [Published erratum appears in *J Forensic Sci* 2005 Sept;50(5)] *J Forensic Sci* 2005 May;50(3):716–717.