FOR THE RECORD

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Allele Frequency Distribution for Nine Fluorescent Based STR Loci in Tamil Population (South India)

POPULATION: Tamils, South India ($n = 100$).

KEYWORDS: forensic science, DNA typing, population genetics, STR, South India

Blood samples were collected from unrelated Tamil-speaking volunteers. DNA was extracted by the salting out procedure (1). DNA typing was by PCR using 2.5 ng target DNA following manufacturer's instructions (AmpFℓSTR - Profiler Plus PCR Amplification Kit - Perkin Elmer). Data were analyzed as per the methods already reported (2–4).

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References

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TABLE 1—*STR allele frequency data for Tamil population (n = 100).*

Allele	Frequency								
	D3S1358	vWA	FGA	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820
7								0.0198	0.0371
8				0.0050				0.2501	0.2098
9				0.0100			0.0150	0.0978	0.1010
10				0.0950		0.0050	0.0750	0.0489	0.1635
11				0.1250		0.0050	0.3800	0.2235	0.2520
12				0.0300		0.0350	0.3250	0.2890	0.2011
13				0.1300		0.1250	0.1750	0.0590	0.0355
14	0.0750	0.2015		0.2350		0.3150	0.0200	0.0119	
15	0.3300	0.1215		0.1950		0.1750	0.0100		
16	0.2350	0.2350		0.1400		0.1750			
17	0.2600	0.1650		0.0300		0.0800			
18	0.0800	0.1450				0.0400			
19	0.0200	0.0850	0.0500	0.0050		0.0400			
20		0.0470	0.1750			0.0050			
21			0.1100						
22			0.1000						
23			0.1500						
24			0.2500						
25			0.1100						
26			0.0400						
27			0.0050		0.0200				
28			0.0100		0.1100				
29					0.1650				
30					0.1950				
30.2					0.0500				
31					0.0100				
31.2					0.1000				
32					0.0200				
32.2					0.1850				
33					0.0200				
33.2					0.0650				
34					0.0200				
34.2					0.0400				
H	90.71	93.10	93.72	93.23	98.86	89.45	85.58	91.94	85.24
PE	46.14	60.45	69.34	70.15	68.54	70.23	45.26	57.49	62.56
PD	0.9028	0.9247	0.9500	0.9448	0.9438	0.9170	0.8608	0.9019	0.9202
Chi	9.93	9.22	12.78	21.37	9.44	12.41	23.11	11.13	16.28
	(df:14)	(df:10)	(df:14)	(df:15)	(df:14)	(df:14)	(df:15)	(df:12)	(df:13)
CPE	0.9998								
DP	0.999999999								

H: Heterozygosity; PE: Power of exclusion; PD: Probability of discrimination; Chi: Chi-square value ($p > 0.05$); CPE: Combined power of exclusion; DP: Discrimination power.