

FOR THE RECORD

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Gene Frequencies of 12 STR Loci in an Endogamous Badaga Population (South India)

POPULATION: Badagas, South India ($n = 65$)

KEYWORDS: forensic science, DNA typing, endogamous, population genetics, Badaga, South India

Blood samples were randomly collected from Badagas of the Nilgiris (South India). DNA was extracted by the salting out procedure (1). DNA typing was by PCR using 25 ng of target DNA following manufacturer's instructions (Gene Print™ system (silver stain detection), Promega Corporation. Data were analyzed as per the methods already reported (2–4). Differences have been observed with Tamil population (South India) (5), other nonCaucasian and Caucasian populations.

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The dataset can be accessed at <http://www.tn.gov.in/tamil-forensic>

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TABLE 1—Allele frequency for 12 STR loci in Badaga population (n = 65).

Allele	Frequency											
	CSF1PO	TPOX	TH01	F13A01	FESFPS	vWA	D16S539	D7S820	D13S317	HPRTB	F13B	LPL
3.2	...	...	...	0.3385	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	0.3892	...	...	...	...	...	...	...	...
6	...	...	0.1923	0.2077	...	...	...	...	...	...	0.1308	...
7	0.0154	0.0154	0.1538	0.0615	...	...	...	0.0462	...	...	...	...
8	...	0.1538	0.0615	...	...	...	0.0231	0.0462	0.4846	...	0.1461	...
9	0.692	0.1231	0.4077	...	...	...	0.3000	0.3846	0.0230	...	0.2000	0.0154
9.3	...	...	0.0385	...	...	...	...	...	...	...	...	...
10	0.3461	0.1385	0.1462	...	0.0307	...	0.1692	0.2077	0.0230	...	0.5231	0.4000
11	0.3308	0.5000	...	...	0.3385	...	0.1769	0.0692	0.1386	...	...	0.2538
12	0.1769	0.0692	...	...	0.4154	...	0.1646	0.1538	0.2769	0.0294	...	0.2308
13	0.0462	...	...	...	0.2154	...	0.1077	0.0923	0.0385	0.4265	...	0.1000
14	0.0154	...	...	0.0231	...	0.0769	0.0385	...	0.0154	0.3971	...	...
15	...	...	...	...	...	0.1692	...	...	...	0.1470	...	...
16	...	...	...	...	...	0.2385	...	...	...	...	...	...
17	...	...	...	...	...	0.2692	...	...	...	...	...	...
18	...	...	...	...	...	0.1847	...	...	...	...	...	...
19	...	...	...	...	...	0.0615	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...
H	85.42	82.44	89.57	87.71	88.73	95.79	93.61	89.56	77.77	85.05	86.40	89.01
PE	49.88	47.00	53.38	44.36	38.69	60.04	61.18	56.98	42.38	35.75	40.54	46.24
PD	0.8811	0.8225	0.898	0.8127	0.8134	0.9174	0.9218	0.8772	0.6967	0.6699	0.8249	0.8470
Chi	11.6965	23.2724	11.2239	15.3034	0.8781	12.3584	23.5278	21.7188	8.1574	0.2620	4.2712	11.6961
(p > 0.06)	(df 15)	(df 14)	(df 16)	(df 10)	(df 8)	(df 17)	(df 17)	(df 17)	(df 10)	(df 3)	(df 9)	(df 8)
CPE	0.99987											
CDP	0.9999999999456											

H: Heterozygosity; PE: Power of exclusion; PD: Probability of discrimination; Chi: Chi square; CPE: Cumulative power of exclusion; CDP: Cumulative discrimination power.