

Supplementary Table S2: Summary of primer sets, PCR annealing temperatures, and methods used for Y chromosome haplogroup D lineage genotyping

Haplogroup	Marker	Primer sequence	Annealing temp. °C	Method	Restriction enzyme
D1a2a1	M116.1	AGTTGCATACCATTTCAGTCAC CAGCTTCTCTAACCGCTCCAA	60	RFLP	EcoRV
D1a2a1a	CTS10536	GCTCTTGGCAACCTGAAAGA CAGGATGGAGCCCTTGAAG	60	RFLP	HpyCH4III
D1a2a1b~	P120	GCTAGATGTGAGAGGAAAGGAG CCCATTTGTTTCAGAAGACTGAC	60	Sequesce	
D1a2a1c	CTS6609^^	AAGGAGGAAGAACCTGGTCTCTAC AAACCATGTGTACCCACTGAGAAC	61	RFLP	DraI
D1a2a1c1	CTS3097	TGGGGACTTTGGAAACCCAG CTGGGAAACAAAAGGGCAGC	64	RFLP	HpyCH4IV
D1a2a1c1a~	CTS1670	GCAGGAGGCCATATTGAAGTCC CCTTCTAGGGATGGTTAGCTTCT	64	RFLP	DdeI
D1a2a1c1a1	CTS2378	CCAACTCCCACGCTCATCTT TAGACTCTGCACAACCTGCC	64	RFLP	HpyCH4IV
D1a2a1c1a1a	V1017	TAGGCCTTGAATCATGCAGTGTG TCCCTGCATAACTGACGTCCC	60	RFLP	BsII
D1a2a1c1a1b	CTS3033	TTGTATAAGGTGCACGGAAGCAG GCACGGAGGTCTGAAATCAAGG	61	Sequesce	
D1a2a1c1a1b1~	Z40684			TaqMan	
D1a2a1c1a1c~	M151	ACCCATGACGGTGGAAACATTT ACAAGAGGGTTGATCCAGACAG	60	Sequesce	
D1a2a1c1a2~	F8521.3	AGGCTGTAGCTGCTTATGACC TGGGTAACACCTTGGCTGAG	60	Sequesce	
D1a2a1c1b	BY170998			TaqMan	
D1a2a1c1b1	BY169287			TaqMan	
D1a2a1c1c	Z30648	CCTCAAAGCTCAGGTTGCAAG TTTGGCGAGCATCTACATTCC	64	RFLP	Acil
D1a2a1c2	CTS10304	CTTTCTCAATTGCCAAGCTTTGGG ATCCTGCCTATAGCTGAACTTGAC	60	RFLP	AvaII
D1a2a2	Z1519	TCAGACTGCCTTTGTCATGGTTC CTTGTCACTAGGCAAGTTGGCATT	60	RFLP	TaqI
D1a2a1a2	IMS-JST022457	CCGTCTACGTGTAGGACCTC TGGCATGCAGTCATTCAAAGG	64	RFLP	XmnI
D1a2a1a2b	IMS-JST006841	GACCCTGAGTTGTTGGACCC CAGCAAGCACTGATGCCTGT	64	RFLP	Acil
D1a2a1a2b1	Z3611	TGAGTGTCTTTCTTTCTAAATACTGGC CAGCCAGCCTACTCGAAGTC	62	RFLP	ApoI
D1a2a1a2b1a1	Z1504			TaqMan	
D1a2a1a2b1a1a	CTS8093			TaqMan	
D1a2a1a2b1a1a1	FGC6373			TaqMan	
D1a2a1a2b1a1a1a	L137.3			TaqMan	
D1a2a1a2b1a1a1b	BY13984	TCCAACGCTAAAGGCTGACAT AAGCCTACCTGCAAGCTTCTC	60	RFLP	Bsrl
D1a2a1a2b1a1a3	Z46274	TCCCAGAAAGCAGAGCAGTG AGGAGAGCTGAAGGGTAGCA	60	RFLP	PmlI
D1a2a1a2b1a1a9	Z40687			TaqMan	
D1a2a1a2b1a1b	BY141272			TaqMan	
D1a2a1a3	CTS10972	ACCTTTTTTCATCTCCCCAGTC AGTTGTTACCCACCTCCT		RFLP	MlyI

RFLP:reaction-restriction-fragment length polymorphisms