

Supplementary Table S3: Summary of primer sets, PCR annealing temperatures, and methods used for Y chromosome haplogroup O lineage genotyping

Haplogroup	Marker	Primer sequence	Annealing temp. °C	Method	Restriction enzyme
O1b2a	F1942	CATATGTGCAGCCCTAAAATGTCA TGAATGGCTACCAATACCCC	60	Sequesce	
O1b2a1	CTS9259	GCCAAGGACCAGAGGGAATC TCCACAGGGTTTTCCAGAGC	62	RFLP	HinI
O1b2a1a	F1290	GTCCCAACCTTTTGCTTGCC CATGGTGCGAAGCTGCTTG	60	Sequesce	
O1b2a1a2	F2868	TGTCCAGTTCAGCAACGAGG TGGGAACAGTCCCATAGGTTG	60	Sequesce	
O1b2a1a2a	K28	GCATCTATTGGCTAAGTCTACATATGA GGCATCCAAATGATAAGACATTCTTC	62	RFLP	HinI
O1b2a1a2a1	CTS723	TGCATTATGGACTAGAGCCTCTTC CTCTCATTTCCTTTGAGCAGTCAG	60	RFLP	HinI
O1b2a1a2a1a	CTS7620			TaqMan	
O1b2a1a2a1b	A12447	AGGTTTTTAGCAGTGAATGCCAC AGAAAGTGCTAGTGCCGAGA	62	RFLP	AciI
O1b2a1a2a1b1	PH40	GGATGGGGTCGGAACAGAAG GGCATCAGGGAGAAGGTGAC	64	RFLP	XmnI
O1b2a1a3	F3821			TaqMan	
O1b2a1b	CTS562	TGTGCGTCTTTAGTGTCTGC AACTGCTCACGAGGCTGAAG	60	RFLP	SspI
O1b2a1a1a	CTS7465	AGAAAAGCATGCAGAGGGCT TGGTAGCAGTCAAAGCCAGG	60	RFLP	EcoRV
O1b2a1a1b	Z24598	ATCCAGGTACCCAGCTCGTT TCAGACAGCAATGGGACGAGA	60	RFLP	BcnI
O1b2a1a1c	CTS6622			TaqMan	

RFLP:reaction-restriction-fragment length polymorphisms