

Additional file 11: Frequency of selected mtDNA haplogroups in East Timor and surrounding populations

population no.	sample origin	reference(s)	mtDNA sequence range analyzed (indicated in the order of references included)	sample number	P1xP1d1	P1d1	P1 (total)	P2 S	P3a	P3b	P4a	P4b	P5	P6	P7	P8	P9 S	P10	unassigned P	PxP1 total	P total	Q1	Q2	Q3 F	unassigned Q S	Q total	P and Q total	N21	M7C1(c)	Fla3a	Fla4a1	D5	F3b	F1a1	8a4c	E1a	E1b	E2		
1	East Timor	[3] this study	HVS-I (nps 16022-16392) CR and WG	362 (381 324)	18 (5.0%)	0	18 (5.0%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18 (5.0%)	55 (15.2%)	0	1 (0.3%) e	0	56 (15.5%)	74 (20.4%)	2 (0.6%)	45 (12.4%)	16 (4.4%)	31 (8.6%)	5 (1.4%)	1 (0.3%)	1 (0.3%)	2 (0.6%)	54 (14.9%)	8 (2.2%)	8 (2.2%)	
1A	East Timor	this study	CR and WG	324	14 (4.2%)	0	14 (4.2%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14 (4.2%)	46 (14.2%)	0	3 (0.9%) e	0	47 (14.5%)	61 (18.8%)	2 (0.6%)	45 (13.9%)	16 (4.4%)	29 (9.0%)	5 (1.3%)	1 (0.3%)	1 (0.3%)	2 (0.6%)	44 (13.6%)	7 (2.2%)	7 (2.2%)	
2A	Nusa Tenggara (West Timor)	[5]	HVS-I (nps 16001-16530)	528	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	n.d.f	5 (0.9%) f	n.d.f	5 (0.9%) f	74 (14.0%)	0	0 h	5 (0.9%) f	79 (15.0%)	84 (15.9%)	0	31 (5.9%)	15 (2.8%)	102 (19.3%)	14 (2.7%)	4 (0.8%) fA	0	3 (0.6%)	29 (5.5%)	34 (6.4%)	2 (0.4%)		
2B	Nusa Tenggara (Lembata)	[5] [3]	HVS-I (nps 16001-16530) HVS-I (nps 16022-16392)	126 (92 34)	5 (4.0%)	9 (7.1%)	14 (11.1%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	14 (11.1%)	11 (8.7%)	5 (4.0%)	0	16 (12.7%)	30 (23.8%)	0	8 (6.3%)	5 (4.0%)	15 (11.9%)	5 (4.0%)	0	3 (2.4%)	0	10 (7.9%)	1 (0.8%)	0		
2C	Nusa Tenggara (Sumba)	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	684 (634 50)	4 (0.6%)	7 (1.0%)	11 (1.6%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	11 (1.6%)	2 (0.3%)	0	0	2 (0.3%)	11 (1.9%)	0	76 (11.1%)	37 (5.4%)	34 (5.0%)	36 (5.3%)	7 (1.0%)	11 (1.6%)	1 (0.2%)	11 (1.6%)	22 (2.2%)	12 (1.8%)		
2D	Nusa Tenggara (Lombok)	[24]	HVS-I (nps 16020-16500) k	41	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	1 (2.2%)	1 (2.2%)	1 (2.2%)	0	0	4 (9.3%)	0	1 (2.2%)	3 (6.8%)	0		
2E	Nusa Tenggara (Flores)	[5] [3] [24] [65]	HVS-I (nps 16001-16530) HVS-I (nps 16022-16392) HVS-I (nps 16020-16500) k HVS-I (nps 16017-16420)	548 (469 75 2 2)	9 (1.6%)	10 (1.8%)	19 (3.5%)	n.d.	0	0 g	6 (1.1%)	0	0	0	0	0	n.d.	0	0	6 (1.1%)	25 (4.6%)	33 (6.0%)	2 (0.4%)	0	0	35 (6.4%)	60 (10.9%)	0	28 (5.1%)	25 (4.6%)	25 (4.6%)	18 (3.3%)	0	12 (2.2%)	6 (1.1%)	14 (2.6%)	6 (1.1%)	14 (2.6%)		
2F	Nusa Tenggara (Solor)	[3]	HVS-I (nps 16022-16392)	41	0	0	0	n.d.	0	0 g	1 (2.4%)	0	0	0	0	0	n.d.	0	0	1 (2.4%)	1 (2.4%)	5 (12.2%)	0	0	4 (9.8%)	5 (12.2%)	0	2 (4.9%)	0	4 (9.8%)	1 (2.4%)	0	0	0	0	0	0	5 (12.2%)		
2H	Nusa Tenggara (Pantar)	[5] [3]	HVS-I (nps 16001-16530) HVS-I (nps 16022-16392)	67 (29 38)	0	2 (3.0%)	2 (3.0%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	2 (3.0%)	22 (32.8%)	0	0	22 (32.8%)	34 (55.8%)	0	4 (6.0%)	1 (1.5%)	1 (1.5%)	0	0	0	0	0	2 (3.0%)	2 (3.0%)		
2K	Nusa Tenggara (Alor)	[5] [3] [24] [65]	HVS-I (nps 16001-16530) HVS-I (nps 16022-16392) HVS-I (nps 16020-16500) k HVS-I (nps 16017-16420)	103 (23 27 45 8)	0	3 (2.9%)	3 (2.9%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	3 (2.9%)	22 (21.4%)	0	0 h	1 (1.0%)	23 (22.3%)	26 (25.2%)	3 (2.9%)	4 (3.9%)	0	9 (8.7%)	0	0	0	1 (1.0%)	0	7 (6.8%)	4 (3.9%)	0	
3	Bali	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	570 (487 83)	1 (0.2%)	0	1 (0.2%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	1 (0.2%)	1 (0.2%)	0	0 h	3 (0.5%)	4 (0.7%)	5 (0.9%)	10 (1.8%)	20 (3.5%)	12 (2.1%)	7 (1.2%)	1 (0.2%)	0	14 (2.5%)	14 (2.5%)	4 (0.7%)	5 (0.9%)			
4	Java	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	97 (51 46)	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	7 (7.2%)	2 (2.1%)	0	1 (1.0%)	0	7 (7.2%)	1 (1.0%)	0	1 (1.0%)	2 (2.1%)		
5	Sumatra	[5] [40] m	HVS-I (nps 16001-16530) HVS-I (nps 16012-16497) k	222 (42 186)	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	3 (0.4%)	38 (17.9%)	2 (0.9%)	2 (0.9%)	1 (0.4%)	0	10 (4.4%)	4 (1.8%)	6 (2.6%)	3 (1.3%)	10 (4.4%)		
6	Montawal	[5]	HVS-I (nps 16001-16530)	128	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	32 (25.0%)	0	0	1 (0.8%)	0	0	0	0	0	4 (3.1%)	0	
7	Nias	[5] [41]	HVS-I (nps 16001-16530) HVS-I (nps 16024-16392)	499 (59 440)	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32 (6.4%)	6 (1.2%)	10 (2.0%)	1 (0.2%)	1 (0.2%)	3 (0.6%)	0
8	Peninsular Malaysia	[30] [138] [57] [17]	WG HVS-I (nps 15997-16410), HVS-II (nps 48-408) and HVS-II (nps 438-619) HVS-I (nps 16024-16365) and HVS-II (nps 73-340) HVS-I (average nps 16024-16400)	781 (63 248 205 265)	0	1 (0.1%)	1 (0.1%)	0	0	0 d	0	0	0	0	0	0	0	0	0	0	1 (0.1%)	1 (0.1%)	0	0	1 (0.1%)	2 (0.3%)	33 (4.2%)	39 (5.0%)	5 (0.6%)	4 (0.5%)	4 (0.5%)	4 (0.5%)	2 (0.3%)	58 (7.4%)	9 (1.2%)	9 (1.2%)	10 (1.3%)	4 (0.5%)		
9	Borneo	[24]	HVS-I (nps 16020-16500) k	157	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	2 (1.3%)	2 (1.3%)	0	11 (7.0%)	3 (1.9%)	3 (1.9%)	7 (4.5%)	9 (5.7%)	3 (1.9%)	9 (5.7%)	14 (8.9%)	1 (0.2%)	5 (3.2%)
10	Sulawesi	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	437 (200 237)	2 (0.5%)	1 (0.2%)	3 (0.7%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	1 (0.2%)	1 (0.2%)	4 (0.9%)	3 (0.7%)	0	0 h	5 (1.1%)	8 (1.8%)	12 (2.7%)	1 (0.2%)	40 (9.2%)	8 (1.8%)	17 (3.9%)	23 (5.3%)	0	5 (1.1%)	2 (0.5%)	76 (17.4%)	22 (5.0%)	18 (4.1%)		
11A	Moluccas (Ternate)	[65]	HVS-I (nps 16017-16420)	31	2 (6.5%)	1 (3.2%)	3 (9.7%)	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	3 (9.7%)	2 (6.5%)	0	0	0	2 (6.5%)	5 (16.1%)	0	0	0	0	0	0	0	0	1 (3.2%)	0	3 (9.7%)		
11B	Moluccas (Ambon)	[24]	HVS-I (nps 16020-16500) k	43	0	0	0	n.d.	0	0 g	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	1 (2.3%)	3 (7.0%)	2 (4.7%)	1 (2.3%)	0	1 (2.3%)	0	2 (4.7%)	0	2 (4.7%)			
12	Philippines	[55] [141] [138] [24]	WG HVS-I (nps 16034-16393) HVS-I (nps 16032-16383) and HVS-I (nps 73-340), WG HVS-I (nps 16020-16500) k	959 (260 1161 422 63)	0	1 (0.1%)	1 (0.1%)	0	0	0 d	0	0	0	0	0	0	13 (2.4%)	9 (0.9%)	29 (3.0%)	51 (5.3%)	52 (5.4%)	0	0	0	0	0	0	0	1 (0.1%)	1 (0.1%)	1 (0.1%)	5 (11.6%)	5 (11.6%)	5 (11.6%)	0	1 (2.3%)	0	2 (4.7%)	0	2 (4.7%)
13	Vietnam	[80] [58]	HVS-I (nps 16038-16569) and HVS-II (nps 1-300) CR	494 (307 187)	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	3 (0.6%)	2 (0.4%)	1 (0.2%)	5 (1.0%)	5 (1.0%)	0	28 (5.7%)	22 (4.5%)	1 (0.2%)	0	1 (0.2%)	
14	Laos	[59]	CR	214	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 (0.9%)	0	0	27 (12.6%)	6 (2.8%)	0	0	0
15	Thailand	[60]	CR	190	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 (0.5%)	2 (1.1%)	0	17 (8.9%)	3 (1.6%)	0	0	0	
16	South Korea	[61]	CR	492	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 (0.9%)	0	0	0	0	0	0	0	
17	Taiwan (Indigenous)	[140] [24] [45]	CR HVS-I (nps 16020-16500) k HVS-I (nps 16006-16397) and HVS-II (nps 53-404)	1257 (539 781 640)	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.c	0	1 (0.1%)	1 (0.1%)	1 (0.1%)	0	0	0	0	0	0	1 (0.1%)	0	64 (5.1%)	9 (0.7%)	8 (0.6%)	52 (4.1%)	61 (4.9%)	49 (3.9%)	2 (0.2%)	61 (4.9%)	3 (0.2%)	13 (1.0%)	
18	Hainan	[62]	HVS-I (nps 16080-16569) and HVS-II (minimum nps 1-207, maximum nps 3-575)	293	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 (1.0%)	13 (4.4%)	0	32 (10.9%)	0	0	0	0	
19	China (Mixed Han)	[63]	HVS-I (nps 16001-16497) and HVS-II (nps 30-407)	262	0	0	0	n.d.	0	0	0	0	0	0	0	0	n.d.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 (0.4%)	17 (6.5%)	0	8 (3.1%)	0	0	0	0	
20A	West New Guinea (Highlands)	[66]	HVS-I (nps 16039-16373)	106	15 (14.2%)	22 (20.8%)	37 (35.0%)	n.d.	0	0 g	1 (0.9%)	0	0	0	0	0	n.d.	0	0	0	1 (0.9%)	38 (35.8%)	57 (53.8%)	0	2 (1.9%) a	1 (0.9%)	60 (56.6%)	98 (92.5%)	0	0	0	0	0	0	0	0	0	0	0	
20B	West New Guinea (lowlands)	[66]	HVS-I (nps 16039-16373)	120	9 (7.5%)	7 (5.8%)	16 (13.3%)	n.d.	1 (0.8%)	0 g	0	0	0	0	0	0	n.d.	0	2 (1.7%)	3 (2.5%)	19 (15.8%)	85 (70.8%)	0	0 h	1 (0.8%)	86 (71.7%)	105 (87.5%)	0	0	0	0	0	0	0	0	0	0	0		
20C	West New Guinea (Southwest and Lowland Riverine)	[44] f	HVS-I and HVS-II (nps 16000-16569, 1-408) and WG HVS-I (nps 16018-16390) HVS-I (nps 16051-16390 and 16067-16361) and HVS-II (nps 43-373 and 64-385)	60	10 (16.7%)	n.d.f	10 (16.7%)	0	0	1 (1.7%)	1 (1.7%)	0	0	0	0	0	0	0	0	0	6 (10.0%)	8 (13.3%)	18 (30.0%)	41 (68.3%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21A	Papua New Guinea (pooled)	[44] r [52,53] [136] [129,132]	HVS-I and HVS-II (nps 16000-16569, 1-408) and WG HVS-I (nps 16018-16390) HVS-I (nps 16051-16390 and 16067-16361) and HVS-II (nps 43-373 and 64-385)	287 (171 121 47 48)	54 (18.8%)	4 (1.4%)	58 (20.2%)	3 (1.0%)	0	2 (0.7%) d	17 (5.9%)	0	0	0	0	0	0 c	0	21 (7.3%)	43 (15.0%)	101 (35.2%)	46 (16.0%)	13 (4.5%)	11 (3.8%) a,b	0	70 (24.4%)	171 (59.6%)	0	0	0	0	1 (0.3%)	0	0	0	0	5 (1.7%)	1 (0.3%)	1 (0.3%)	
21B	Papua New Guinea (Vineku)	[64]	HVS-I and HVS-II (nps 16001-16569, 1-390)	34	20 (21.3%)	11 (11.7%)	31 (33.0%)	n.d.	0	0	0	0	0	0	0	0	n.d.	0	1 (1.1%)	1 (1.1%)	32 (34.0%)	44 (46.8%)	0	14 (14.9%) a	0	18 (16.7%)	90 (95.7%)	0	0	0	0	0	0	0	0	0	0	0		
21C	Papua New Guinea (Bundi)	[34]	HVS-I (nps 16024-16383) and HVS-II (nps 57-302)	48	16 (33.3%)	5 (10.4%)	21 (43.8%)	n.d.	0	0	1 (2.1%)	0	0	0																										