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

population no.	cample origin	reference(s)	mtDNA sequence range analyzed (indicated in the order of references included)	cample numb	D1vD1d1	D14*	D1 (total)	D2 C D2-	D2h	DAn DAh	DE D	c 07	D0 D0	¢ 010	unaccioned C D	vD1 total	ntal C1	02	02#	maccioned O C	Q total P and Q tota	N21 .	4761(62)	20 E104-1	DE .	E2h	1 0463	E10 51	h 52
population no.	sample origin							rz > P3a			25 P	0 17	r's P9	9 P10															
1	East Timor	[3] this study	HVS-I (nps 16022-16392) CR and WG	362 (38 324)	18 (5.0%)		18 (5.0%)	U O	0 d		0 0	0	0 0	0		0 18 (1 (0.3%) e		56 (15.5%) 74 (20.4%)			1.4%) 31 (8.6%)				54 (14.9%) 8 (2.2	
1A	East Timor	this study	CR and WG	324			14 (4.3%)	0 0	0	0 0							1.3%) 46 (14.25				47 (14.5%) 61 (18.8%)			1.9%) 29 (9.0%)				44 (13.6%) 7 (2.2	
2A	Nusa Tenggara (West Timor)	[5]	HVS-I (nps 16001-16530)	528															0 h		79 (15.0%) 84 (15.9%)			2.8%) 102 (19.3%)				29 (5.5%) 34 (6.4	
2B	Nusa Tenggara (Lembata)	[5][3]	HVS-I (nps 16001-16530) HVS-I (nps 16022-16392)	126 (92 34)			14 (11.1%)				0 0	0	0 n.e	d. 0		0 14 (1) 5 (4.0%)	0		16 (12.7%) 30 (23.8%)			.0%) 15 (11.9%)			%) 0	10 (7.9%) 1 (0.8	5%) 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.e	d. 0	0	0 11 (1.6%) 2 (0.3%	0	0	0	2 (0.3%) 13 (1.9%)	0 76	37 (5) (11.1%) د	6.4%) 34 (5.0%)	36 (5.3%) 7 (,1.0%) 11 (1.6	نه (0.2%) غ%)	11 (1.6%) 22 (3.3	.2%) 12 (1.8%)
2D	Nusa Tenggara (Lombok)	[24]	HVS-I (nps 16020-16500) k	44	0	0	0	n.d. 0	0 g	0 0	0 0	0	0 n.e	d. 0	0	0	0 0	0	0	0	0 0	0 1	1 (2.3%) 1 (2	3%) 1 (2.3%)	1 (2.3%)	0 4 (9.1	.%) 0	1 (2.3%) 3 (6.8	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.e	d. 0	0	6 (1.1%) 25 (4	1.6%) 33 (6.0%)	2 (0.4%)	0	0	35 (6.4%) 60 (10.9%)	0 2	8 (5.1%) 25 (4	1.6%) 25 (4.6%)	18 (3.3%)	0 12 (2.7	2%) 6 (1.1%)	14 (2.6%) 6 (1.1	1%) 14 (2.6%)
2F	Nusa Tenggara (Solor)	[3]	HVS-1 (nps 16022-16392)	41						1 (2.4%) 0			0 n.	d 0				1 (2.4%)	0	0	4 (9.8%) 5 (12.2%)			4 (9.8%)				0 0	
2G	Nusa Tenggara (Adonara)	[3]	HVS-1 (nos 16022-16392)	75						0 0					0				0		12 (16.0%) 12 (16.0%)			3%) 9 (12.0%)				0 1(1.3	
24	Nusa Tenggara (Pantar)	[5][[3]	HVS-I (nps 16001-16530) [HVS-I (nps 16022-16392)	67 (29 38)			2 (3,0%)						0 n.			0 2(3) 4(3.374)	0		22 (32.8%) 24 (35.8%)		A (6 00V) 1 (3	E9/) 1 (1 E9/)	0	0 0		2 (3.0%) 2 (3.0	
20		[5][3][24][65]		103 (23 27 45 8)			3 (2.9%)				0 0	0			0			0	0 h		23 (22.3%) 26 (25.2%)		4 (2.000)	9 (8.7%)	0	0 1/10		7 (6.8%) 4 (3.9	
ZK	Nusa Tenggara (Alor)		HVS-I (nps 16001-16530) HVS-I (nps 16022-16392) HVS-I (nps 16020-16500) k HVS-I (nps 16017-16420)							0 0	0 0	, 0	0 11.0	u. 0	0	0 3(2	.9%) 22 (21.47) 0	U n			3 (2.9%) 4	(3.9%) U	9 (8.7%)	1 (0.01()	0 1(1.07			
3	Bali	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	570 (487 83)	1 (0.2%)			n.d. 0		0 0	0 0	0	U n.e	d. U	0	0 1(0	.2%) 1 (0.2%	0	Un		4 (0.7%) 5 (0.9%)	10 (1.8%) 2	J (3.5%) 12 (2	1%) / (1.2%)	1 (0.2%)	0 14 (2.5		14 (2.5%) 4 (0.7	
4	Java	[5] [24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	97 (51 46)	U	0	0				0 0	0		d. 0	0	0	0 0	0	U	0	0 0			.1%) 0				0 1(1.0	
5	Sumatra	[5] [40] m	HVS-I (nps 16001-16530) HVS-I (nps 16012-16497) k	228 (42 186)	0	0	0				0 0	0	0 n.e		0	0	0	0	0	0	0 0	1 (0.4%) 1		.9%) 2 (0.9%)				6 (2.6%) 4 (1.8	
6	Mentawai	[5]	HVS-I (nps 16001-16530)	128	0	0	0			0 0	0 0	0	0 n.e	d. 0	0	0	0 0	0	0	0	0 0	0 32	. (25.0%) 0	0				0 4 (3.1	
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.e	d. 0	0	0	0	0	0	0	0 0	0 4	2 (8.4%) 0	0	32 (6.4%) 6 ((1.2%) 10 (2.09	3%) 1 (0.2%)	1 (0.2%) 3 (0.6	6%) 0
8	Peninsular Malaysia	[30] [138] [57] [17]	WG HVS-I (nps 15997-16410), HVS-II (nps 48-408) and HVS-III (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	0	1 (0.1%) 2 (0.3%)	33 (4.2%) 3	9 (5.0%) 5 (0	.6%) 4 (0.5%)	4 (0.5%) 2 ((0.3%) 58 (7.49	4%) 9 (1.2%)	9 (1.2%) 10 (1.3	.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.e	d. 0	0	0	0	0	0 h	2 (1.3%)	2 (1.3%) 2 (1.3%)	0 1	1 (7.0%) 3 (1	.9%) 3 (1.9%)	7 (4.5%) 9 ((5.7%) 3 (1.9%	%) 9 (5.7%)	14 (8.9%) 3 (1.9	.9%) 5 (3.2%)
10	Sulawesi	[5]][24]	HVS-I (nps 16001-16530) HVS-I (nps 16020-16500) k	437 (200 237)	2 (0.5%)		3 (0.7%)			0 0	0 0	0	0 n.e	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%)			.8%) 17 (3.9%)			.%) 2 (0.5%)	76 (17.4%) 22 (5.0	.0%) 18 (4.1%)
11A	Moluccas (Ternate)	[65]	HVS-1 (nps 16017-16420)	31			3 (9.7%)			0 0	0 0	0	0 n.e				.7%) 2 (6.5%	0	0		2 (6.5%) 5 (16.1%)		3 (9.7%) 5 (16.		0	0 0		1 (3.2%) 0	
11B	Moluccas (Ambon)	[24]	HVS-I (nps 16020-16500) k	43			0				0 0	0	0 0.0			0			0 h	5 (11.6%)				.0%) 2 (4.7%)	1 (2 3%)	0 1 (2.3%		2 (4.7%) 0	
12				959 (360 116 422 61)	ů	1 (0.19/	1 (0.1%)	0 0	0.4	0 0	0 0) 0	0 12 (1	49/1 0 (0.09/1	20 /2 09/1	1 (5 20/) 52 (19/1 0	0	0	1 (0.1%)	1 (0.1%) 53 (5.5%)			1.0%) 30 (3.1%)					
12	Philippines Vietnam	[55] [141] f [28] [24] [80] [58]	WG HVS-I (nps 16024-16391) HVS-I (nps 16032-16365) (and HVS-I (nps 73-340)), WG HVS-I (nps 16020-16500) k HVS-I (nps 16038-16569) and HVS-I (nps 1-300) CR	494 (307 187)	0	1 (0.1%	0	0 0	0	0 0	0 0	, 0	0 13 (1	d. 0	29 (3.0%)	0 52 (0 0	0	0	1 (0.1%)	0 53 (5.5%)			.2%) 1 (0.2%)				87 (9.1%) 7 (0.7 1 (0.2%) 0	
13		[80][[58]	นกว-เ (เก้ว รถกวย-รถวอล) สเต นาว-เเ (เก้ว ร-วกก)โกะ	494 (307 187)														0	0		0 0	3 (0.0%)	0 0.2		2 (0.9%)			0 0	
14	Laos	[59]	CK		U	U				0 0	0 0	0			0	0		0	U	U		2 (0.9%)			_ (0.0.0)				
15	Thailand	[60]	CR CR	190	0	0	0	n.d. 0	0	0 0	0 0	0	0 n.e	d. 0	0	U	0 0	0	0	0	0 0	0	0 0	1 (0.5%)	2 (1.1%)	0 17 (8.99	/%) 3 (1.6%)		0
16	South Korea	[61]	CR CR	692	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 6 (0.5	<i>s</i> %) 0	3 (0.4%)	0 12 (1.7	/%) 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 78 640)	0		0		0	0 0	0 0	0		l. c 0		1 (0.1%) 1 (0	.1%) 0	0	0	0	0 1 (0.1%)			.7%) 8 (0.6%)		(4.9%) 49 (3.99	3%) 2 (0.2%)	61 (4.9%) 3 (0.2	2%) 13 (1.0%)
18	Hainan	[62]	HVS-I (nps 16080-16569) (and HVS-II (minimum nps 1-207, maximum nps 1-575))	293	0	0	0	n.d. 0	0	0 0	0 0	0	0 n.e	d. 0	0	0	0	0	0	0	0 0	0 2	(0.7%) 0	3 (1.0%)	13 (4.4%)	0 32 (10.9	.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.e	d. 0	0	0	0	0	0	0	0 0	0	0 1 (0	.4%) 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 (20.89	6) 37 (35.0%)	n.d. 0	0 g	1 (0.9%) 0	0 0	0	0 n.e	d. 0	0	1 (0.9%) 38 (3	5.8%) 57 (53.89	6) 0	2 (1.9%) a	1 (0.9%)	60 (56.6%) 98 (92.5%)	0	0 6	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%)				0 0	0	0 n.	d 0	2 (1.7%)	3 (2.5%) 19 (1	5.8%) 85 (70.85	6) 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] r	HVS-I and HVS-II (nps 16000-16569,1-408) and WG	60						1 (1.7%) 0	0 0	0							0		41 (68.3%) 59 (98.3%)	0	0 /	0	0	0 0	0	0 0	0
21A	Papua New Guinea (pooled)	[44] r [52,53] [136] [129,132]	HV\$-I and HV\$-II (nps 16000-16569.1-408) and WG[WG[HV\$-I (nps 16018-16390]] HV\$-I (nps 16051-16390 and 16067-16361) and HV\$-II (nps 43-373 and 64-385)	287 (171 21 47 48)						17 (5.9%) 0					21 (7.3%) 4				11 (3.8%) a.b		70 (24.4%) 171 (59.6%)	0	0 /	1 (0.3%)	0	0 0		5 (1.7%) 1 (0.3	
21B	Papua New Guinea (Wewak)	[64]	HVS-I and HVS-II (nps 16001-16569.1-390)	94			6) 31 (33.0%)			0 0											58 (61.7%) 90 (95.7%)	0	0 /	1 0	0	0 0			0 0
21C	Papua New Guinea (Bundi)	[34]	HVS-1 (nps 16024-16383) and HVS-11 (nps 57-302)	48			21 (43.8%)		0	1 (2 19/) 0	0 0	0			5 (10.4%)				0		14 (29.2%) 41 (85.4%)		0 /	, — ,	0	0 0	-	0 0	, -
21D		[34]		48			12 (20.3%)		0-	1 (2.1/6) 0	0 0) 0	0 n				0.3%) 18 (30.59		0 h	17 (28.8%)			0 0	, ,	0	0 0	- 0	0 0	
21E	Papua New Guinea (Gidra)	[137]	HVS-I (nps 16007-16569, 1-60)	219			43 (19.6%)			0 0	0 0	0		d 0							37 (62.6%) 180 (82.2%)		0 0		0	0 0		nd f nd	
	Papua New Guinea (East Sepik Province)	[13/]	HVS-I (nps 16019-16351)							0 0	0 0) 0	U n.						1 (0.5%) b			U	0 0	- 0	0	0 0	- 0		
21F	Papua New Guinea (Kula Ring)	[86]	HVS-I (nps 16024-16392)	432			77 (17.8%)			0 0	0 0	0	0 0		85 (19.7%) 8			(-:0,0)	U		44 (10.2%) 206 (47.7 %)	U	0 13 (3	J%) 0	U	0 0	0	0 36 (8.3	
22	Admiralty Islands	[68][67]	HVS-I (nps 16024-16392) HVS-I (nps 16007-16569, 1-60)	203 (144 59)			2 (1.0%)			2 (1.0%) 0					6 (2.9%)					9 (4.4%)			2 (1.0%) 0		0			0 2 (1.0	
23	Solomons	[44] s [29]	HVS-I and HVS-II (nps 16000-16569,1-408) HVS-I (16024-16365)	1045 (342 703)						1 (0.1%) 0) 17 (1.6%)	0		77 (7.4%) 96 (9.2%)			0				0 0	
24	Polynesia/ Fiji	[65] [67] [44] r	HVS-I (nps 16017-16420) HVS-I (nps 16007-16569, 1-60) HVS-I and HVS-II (nps 16000-16569,1-408)	409 (351 43 15)	4 (1.0%)	0	4 (1.0%)	n.d. 0	0	0 0	0 0	0	0 n.	d 0	1 (0.2%)	1 (0.2%) 5 (1	.2%) 9 (2.2%	8 (2.0%)	0	0	17 (4.2%) 22 (5.4%)	0 1	1 (0.2%) 0	0	0	0 0	0	0 0	
25A /	Australia (Northwest, Northern Territory and Far North Queensland)	[77] [34] [44] [53] [76] [128,132]	HVS-I (nps 16050-16385) and HVS-II (nps 1-309) [HVS-I (nps 16024-16383) and HVS-II (nps 57-302) [WG WG HVS-I (nps 16050-16400) HVS-I (nps 16051-16390) and HVS-II (43-373)	167 (9 32 1 17 54 54)	0	1 (0.6%	1 (0.6%)	0 7 (4.2%	6) 2 (1.2%) d	0 4 (2.4%) 7	7 (4.2%) 2 (1.	2%) 1 (0.6%) 8	8 (4.8%)	0	4 (2.4%) 3	5 (21.0%) 36 (2	1.6%) 0	1 (0.6%)	0	0	1 (0.6%) 37 (22.2%)	0	0 0	0	0	0 0	0	0 0	0
25B	Australia (New South Wales, Paakintji and Ngiyambaa)	[69,75]	HVS-I (nps 15997-16377) (and HVS-II (nps 1-577), WG) n	117	0	0	0	0 0	0	0 22 (18.8%)	0 0	0 0	8 (6.8%) n.	d 0	0 3	0 (25.6%) 30 (2	5.6%) 0	0	0	0	0 30 (25.6%)	0	0 0	. 0	0	0 0	0	0 0	. 0
26	Cambodia	[115] [135]	HVS-I (16038-16462) and HVS-II (nps 65-417) HVS-I (nps 16024-16400)	1085 (1054 31)	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	33 (3.0%)	0 1(0	1%) 0	13 (1.2%)	0 157 (14.5	.5%) 58 (5.3%)	0 0	0
27	Myanmar	[116]	CR	327			0				0 0	0	0 n.	d 0	0			0	0	0	0 0	0	0 0	0	0	0 54 (16.5		0 0	
28	New Britain and New Ireland (Bismarck Archipelago)	[44] r	HVS-I and HVS-II (nps 16000-16569,1-408) and WG	751	24 (3.2%)	n.d f	24 (3.2%)	0 0	0	3 (0.4%) 0	0 0	0	0 0		2 (0.3%)			5) 72 (9.6%)	5 (0.7%)		52 (20.2%) 181 (21.1%)	n.d. f	n.d.f	d.f n.d.f	n.d. f	n.d. f n.d. f	f n.d. f	7 (0.9%) f 64 (8.5	5%) f 1 (0.1%) f
29	Bougainville	[44] r	HVS-1 and HVS-II (nos 16000-1656) 1-408)	273			8 (2.9%)	nd 0	0	0 0	0 0	0	0 0				.9%) 65 (23.85		0		55 (23.8%) 73 (26.7%)		nd f nd		n.d.f n			0 f 6 (2.2)	
30	Vanuatu	[130] [131] [44] r	HVS-I (nps 16065-1637) HVS-I (183-16379) HVS-I and HVS-II (nps 16000-16569,1-408)	98 (51 24 23)) 14 (14.3%)		0	0 0	0 0) 0	0 n.	d 0	0	0 14 (1			0		15 (15.3%) 29 (29.6%)	0	0 /	11.0.1	0	0 0		0 0(2.2	~, J1
31	New Caledonia		HV3-1 (https://doi.org/10.1003/16.1003	30 (32 24 23			2 (8.0%)		0	0 0	0 0	0	0 -	d 0	8 (32.0%) 8				0	0		n.d. f	nd f -	d.f n.d.f	ndf -	n.d. f n.d. f	f 0d f	Of Of	4 04
31		[44] r [133] [[44] r	HVS-1 Into HVS-1 (IRS 1500-1558), 1-408) HVS-1 (IRS 144-16373) HVS-1 (IRS 1600-15569, 1-408)	585 (538 47)	2 (8.0%)	11.U. T	2 (8.0%)	n.u. 0	0				0 n.	u U	0 (32.0%) 8	(32.0%) 10 (4	0.076) 0	1 (4.0%)	0	0	1 (4.0%) 11 (44.0%) 11 (1.9%) 57 (9.7%)	11.0.1	1.u. f 0.d	200 2 (0.270	11.0.1 N	.u. 1 11.0. T	n.u. r	01 01	01
32	Micronesia New Zealand Maori	[133][44] r [139]	HVS-I (16184-16373) HVS-I and HVS-II (nps 16000-16569,1-408) WG	20	0	46 (7.9%	40 (7.9%)	n.u. 0	0	0 0	0 0	0	0 n.	0	0	0 46 (10 (1.7%	1 (0.2%)	0	0	11 (1.9%) 5/ (9./%)	0 1/	(2.9%) p 1 (0.	2(0.3%)	0	0 n.d. 6	1 0	0 0	, 0
33	New Zealand Maori	[139]	WG	20	U	- 0	U	0 0	U	0 0	0 0	0	0 0	0	U	U	U U	U	U	U	0 0	U	0 0		0	0 0	- 0	0 0	- 0
CR = control region (np WG = whole mitogeno n.d. = not detectable in P1xP1d1 = P1 haplotyp PxP1 = P haplotypes ex	n the available sequenced mtDNA range bes except P1d1	cation																											
4																													