

Table S5 Effects of sampling on NI

A. 1 African, 1 European, 1 Japanese (Nachman *et al.* 1996)

Gene	P_N	P_S	D_N	D_S	Pseudo ^a	NI	Z*
<i>ATPase</i>	4	6	17	58	no	2.27	-0.37
<i>COI</i>	3	5	6	125	no	12.5	-1.08
<i>COII</i>	1	3	6	60	yes	3.33	-0.52
<i>COIII</i>	1	4	7	66	no	2.36	-0.53
<i>Cyt-b</i>	5	5	27	102	no	3.78	-0.57
<i>ND1</i>	2	5	18	71	no	1.58	-0.28
<i>ND2</i>	3	4	11	86	no	5.86	-0.76
<i>ND3</i>	1	2	6	34	no	2.83	-0.52
<i>ND4</i>	2	10	23	107	no	0.93	-0.09
<i>ND4L</i>	1	5	2	22	yes	2.20	-0.34
<i>ND5</i>	5	7	51	143	no	2.00	-0.32
<i>ND6</i>	5	1	7	43	no	30.7*	-1.22*
All	31	55	179	915	no	2.88*	-0.46*

B. 1 African, 1 European, 1 Japanese

C. Change Japanese sequence

Gene	P_N	P_S	D_N	D_S	Pseudo ^a	NI	Z*	P_N	P_S	D_N	D_S	Pseudo ^a	NI	Z*
<i>ATPase</i>	4	5	17	59	no	2.78	-0.44	5	6	17	58	no	2.84	-0.45
<i>COI</i>	2	6	6	124	no	6.89	-0.88	2	4	6	124	no	10.33	-1.03
<i>COII</i>	1	2	5	58	no	5.80	-0.82	1	3	6	59	yes	3.28	-0.52
<i>COIII</i>	1	6	8	66	yes	1.38	-0.14	1	6	7	67	no	1.60	-0.39
<i>Cyt-b</i>	4	4	28	102	no	3.64	-0.55	4	4	28	102	no	3.64	-0.55
<i>ND1</i>	3	5	17	71	no	2.51	-0.43	2	3	18	71	no	2.63	-0.45
<i>ND2</i>	3	4	11	86	no	5.86	-0.76	4	4	11	85	no	7.73	-0.86
<i>ND3</i>	2	2	5	34	no	6.80	-0.77	1	2	6	34	no	2.83	-0.52
<i>ND4</i>	1	9	23	107	no	0.52	0.05	1	9	23	107	no	0.52	0.05
<i>ND4L</i>	1	4	2	21	yes	2.63	-0.42	1	4	2	21	yes	2.63	-0.42
<i>ND5</i>	4	5	49	146	no	2.38	-0.39	3	4	49	146	no	2.23	-0.37
<i>ND6</i>	1	1	8	44	yes	5.50	-0.74	1	3	8	43	yes	1.79	-0.25
All	24	50	176	915	no	2.50*	-0.40*	23	49	178	914	no	2.41*	-0.39*

D. 19 African-American/20 European-American

E. 30 African-American/30 European-American

Gene	P_N	P_S	D_N	D_S	Pseudo ^a	NI	Z^*	P_N	P_S	D_N	D_S	Pseudo ^a	NI	Z^*
<i>ATPase</i>	7	14	17	55	no	1.62	-0.22	9	17	17	53	no	1.65	-0.22
<i>COI</i>	5	27	6	117	no	3.61	-0.56	6	31	6	114	no	3.68	-0.56
<i>COII</i>	1	13	5	56	no	0.86	-0.13	1	17	5	54	no	0.64	-0.01
<i>COIII</i>	2	13	7	63	no	1.38	-0.23	2	18	7	60	no	0.95	-0.08
<i>Cyt-b</i>	12	17	28	91	no	2.29	-0.36	18	19	27	92	no	3.23*	-0.50*
<i>ND1</i>	5	15	15	67	no	1.49	-0.20	6	18	15	67	no	1.49	-0.19
<i>ND2</i>	8	17	11	84	no	3.59	-0.55	10	25	11	81	no	2.95	-0.46
<i>ND3</i>	1	4	6	32	no	1.33	-0.28	2	7	6	32	no	1.52	-0.25
<i>ND4</i>	1	33	23	101	no	0.13	0.60	1	41	23	100	no	0.11	0.70
<i>ND4L</i>	1	4	1	20	no	5.00	-0.62	1	5	1	20	no	4.00	-0.54
<i>ND5</i>	12	30	46	138	no	1.20	-0.09	18	39	43	134	no	1.44	-0.16
<i>ND6</i>	2	9	7	41	no	1.30	-0.20	2	10	7	41	no	1.17	-0.16
All	57	196	172	865	no	1.46	-0.17	76	247	168	848	no	1.55	-0.19

^a A count of one has been added to all cells in the MK table when indicated by yes.

Bold indicates $P \leq 0.05$; * indicates significant a sample-wise Bonferroni-corrected P -value of less than 0.004 for Fisher's Exact

Test of the MK table.