Resequence Analysis	Revised Cambridge Reference Sequence RCRS	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7	Case 8	Case 9	Case 10	Case 11	Case 12	Case 13	Case 14	Case 15	Case 16	Case 17	Case 18	Case 19
RCRS mtDNA base position	Reference sequence	M240_01_rehyb	M240_02_rehyb	M240_03_rehyb	M240_04_rehyb	M240_05_rehyb	M240_06_rehyb	M240_07_rehyb	M240_08_rehyb	M240_09_rehyb	M240_10_rehyb	M240_11_rehyb	M240_12_rehyb	M240_13_rehyb	M240_14_rehyb	M240_15_rehyb	M240_16_rehyb	M240_17_rehyb	M240_18_rehyb	M240_19_rehyb
73	a	a	g	g	g	g	g	a	g	g	a	g	g	n	g	g	a	a	g	g
113	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	t	c	c	c
143	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	a
150	c	t	c	c	c	c	c	t	c	c	c	t	c	c	t	c	c	c	c	c
152	t	n	t	t	t	t	c	t	n	t	t	t	t	t	t	t	c	t	t	t
153	a	a	a	a	a	a	a	a	g	a	a	a	a	g	a	a	a	g	a	a
195	t	t	t	t	t	t	t	t	c	t	t	t	t	c	t	t	c	c	t	t
199	t	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	n	t	n
225	g	g	g	g	g	g	g	g	a	g	g	g	g	a	g	g	g	a	g	g
228	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
242	c	c	t	t	c	c	c	c	c	c	t	c	c	c	c	c	c	c	t	c
263	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
271	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	t
295	c	c	t	t	t	c	c	c	c	c	t	c	c	c	c	c	c	c	t	t
462	c	n	t	t	t	c	c	n	c	n	t	c	c	c	c	c	n	n	t	t
477	t	t	t	t	n	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t
482	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
489	t	t	c	c	c	t	t	t	t	t	c	t	t	t	t	t	t	t	c	c
750	a	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g
896	a	a	a	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a
953	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
1438	a	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g
1555	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
1719	g	g	g	g	g	a	g	g	a	g	g	g	g	a	g	g	g	a	g	g
1721	c	c	c	c	c	c	c	c	c	c	c	t	c	c	c	c	c	c	c	c
1811	a	a	a	a	a	a	a	g	a	a	a	a	a	a	g	a	a	a	a	a
2158	t	t	c	c	t	t	t	t	t	t	c	t	t	t	t	t	t	t	c	t
2294	a	a	a	a	a	a	a	g	a	a	a	a	a	a	g	a	a	a	a	a
2706	a	a	g	g	g	g	a	g	g	a	g	g	a	g	g	a	g	g	g	g
3010	g	a	a	a	a	g	g	a	g	a	a	g	g	g	a	g	g	g	a	a
3197	t	t	t	t	t	t	t	t	t	t	t	c	t	t	t	t	t	t	t	t
3394	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
3796	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
4048	g	g	g	g	g	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g
4216	t	t	c	c	c	t	t	t	t	t	c	t	t	t	t	t	t	t	c	c
4703	t	t	t	t	t	t	t	c	t	t	t	t	t	t	c	t	t	t	t	t
4732	a	a	a	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a
4769	a	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g
4959	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	a	g	g	g
5460	g	g	a	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	a	a
5463	c	c	t	t	c	c	c	c	c	c	t	c	c	c	c	c	c	c	t	c
5773	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
6221	a	t	t	t	t	t	t	t	c	t	t	t	t	c	t	t	t	n	t	t
6371	c	c	c	c	c	c	c	c	t	c	c	c	c	t	c	c	c	t	c	c
6518	c	c	c	c	c	c	c	t	c	c	c	c	c	c	t	c	c	c	c	c
6716	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a
6776	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	c	t	t	t	t
6911	t	t	c	c	t	t	t	t	t	t	c	t	t	t	t	t	t	t	c	t
7010	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	t	c	c	c	c
7028	c	c	t	t	t	t	c	t	t	c	t	t	c	t	t	c	t	t	t	t
7184	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
7747	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	t
7768	a	a	a	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a
7775	g	g	g	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g
7830	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
7844	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a
8269	g	g	a	a	g	g	g	g	g	g	a	g	g	g	g	g	g	g	a	a
8462	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	c
8485	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	a
8557	g	g	a	a	g	g	g	g	g	g	a	g	g	g	g	g	g	g	a	g
8705	t	t	t	t	t	t	t	t	c	t	t	t	t	c	t	t	t	c	t	t
8706	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	g	n	a	a
8848	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
8860	a	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g
9266	g	g	g	g	g	g	g	a	g	g	g	g	g	a	g	g	g	g	g	g
9548	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
9554	g	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g
9863	c	c	c	c	c	c	c	c	t	c	c	c	c	t	c	c	c	t	c	c
9947	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
10143	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
10238	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
10365	g	g	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g
10398	a	g	g	g	a	a	a	a	a	g	a	a	a	a	a	a	a	a	g	g
10410	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	a
10463	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
10506	a	a	a	a	a	a	a	g	a	a	a	a	a	a	g	a	a	a	a	a
10801	g	g	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g
11251	a	a	g	g	a	a	a	a	a	a	g	a	a	a	a	a	a	a	g	g
11467	a	a	a	a	a	a	a	g	a	a	a	a	a	a	g	a	a	a	a	a
11719	g	g	a	a	a	a	g	a	a	g	a	g	g	a	a	g	g	a	a	a
12007	g	g	a	a	g	g	g	g	g	g	g	a	g	g	g	g	g	g	a	g
12307	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	g	a	a	a	a
12308	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	g	a	a	a	a
12372	g	g	g	g	g	g	g	a	g	g	g	g	g	g	a	g	g	g	g	g
12397	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	g	a	a
12501	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
12561	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
12612	a	g	g	g	a	a	a	a	a	g	a	a	a	a	a	a	a	a	g	g
12627	a	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a
12705	c	c	c	c	t	c	t	c	t	c	c	c	c	t	c	c	c	t	c	c
12864	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
13002	c	c	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
13203	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
13708	g	g	a	a	g	g	g	g	g	a	n	n	g	g	g	g	g	a	a	a

13780	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
13879	t	t	c	c	t	t	t	t	t	t	c	t	t	t	t	t	t	t	t	c	c
13934	c	c	c	c	c	c	c	t	c	c	c	c	c	c	t	c	c	c	c	c	c
13966	n	n	a	a	a	a	a	a	a	g	a	a	a	a	a	g	a	a	a	g	a	a
14139	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	g	a	a	a	a	a
14180	t	t	t	t	t	t	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t
14364	g	g	g	g	g	g	g	g	g	g	g	g	a	a	g	g	g	g	g	g	g	g
14470	t	t	t	t	t	t	t	t	t	c	t	t	t	t	c	t	t	t	t	c	t	t
14766	c	c	t	t	t	t	c	t	t	c	t	c	c	t	t	t	c	c	t	t	t	t
14798	t	t	t	t	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
15326	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g
15415	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	t	c	c	c	c	c	c
15452	n	n	a	a	a	c	n	n	c	c	a	c	c	n	n	n	n	n	a	a	a	a
15468	t	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
15758	a	a	a	a	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a
16069	c	c	t	t	t	c	c	c	c	c	c	t	c	c	c	c	c	c	c	c	t	t
16126	t	t	c	c	c	t	n	t	t	t	c	t	t	t	t	t	t	t	t	c	c	c
16129	g	g	g	g	g	g	a	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
16145	g	g	a	a	g	g	g	g	g	g	g	a	g	g	g	g	g	g	g	a	a	a
16169	c	c	n	c	t	c	c	c	c	c	c	n	c	c	c	c	c	c	c	c	n	c
16172	t	t	c	c	t	c	t	t	t	t	c	t	t	t	t	t	t	t	t	c	t	t
16181	g	g	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
16183	n	n	a	a	a	a	a	a	a	c	a	a	a	a	c	a	a	a	a	n	a	n
16222	c	c	n	t	c	c	c	c	c	c	c	t	c	c	c	c	c	c	c	c	t	c
16223	c	c	c	c	c	t	c	c	c	c	c	n	c	c	c	c	c	c	c	c	c	c
16255	g	g	g	g	g	g	g	g	g	a	g	g	g	g	a	g	g	g	a	g	g	n
16256	c	c	c	c	c	c	c	c	c	n	c	c	n	n	c	c	c	c	n	c	t	c
16261	n	n	t	t	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16266	c	c	n	c	c	c	c	c	c	c	n	n	c	n	c	n	c	c	n	t	n	n
16269	a	a	a	a	a	g	a	a	a	a	a	a	a	a	a	a	a	a	n	n	a	a
16278	c	c	c	c	c	c	c	c	c	t	c	c	c	c	t	c	c	c	t	c	c	c
16301	c	c	c	c	c	t	c	c	c	c	c	c	c	c	c	c	c	n	c	c	c	c
16390	n	n	g	g	g	g	g	g	a	g	g	g	g	g	g	a	g	g	g	g	g	g
16519	c	c	t	t	t	t	t	c	c	c	t	n	n	c	c	c	t	c	t	c	c	c
Haplogroup assigned		H	U	U	U	J	H	J	J	H	U	J	H	J	J	H	J	J	U	U		