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Escola de Ciências

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**Mitochondrial DNA phylogeography of
African lineages**



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Dissertação de Mestrado
Mestrado em Genética Molecular

Trabalho efetuado sob a orientação do
Doutor Pedro Alexandre Dias Soares
e da
Doutora Teresa Sofia Teixeira Rito

DIREITOS DE AUTOR E CONDIÇÕES DE UTILIZAÇÃO DO TRABALHO

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This master project is inserted in a project to investigate the genetic legacy on the slave trade ("From Portugal back to Africa: uncovering the African roots of present-day Portuguese" - TDC/SOC-ANT/30316/2017).

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ABSTRACT

Africa is believed to be the birthplace of the first Anatomically Modern Human at 200 ka. This first form of *Homo sapiens* colonized Africa first and had one thing in common: the haplogroup of the mitochondrial DNA (mtDNA) L. Around 60 ka occur the Out-of-Africa migration, and from then on there were certain period of increased migration from Africa to mainly Europe and Southwestern Asia, mainly associated with optimal climatic conditions. More recently, with the globalization and the discovery of the New World, some European countries started to export slaves from Africa to Europe and the Americas. Since mtDNA is maternally inherited and is non-recombining, it is the “perfect” way to follow of lineages and migratory movements, allowing the study of the sources of displaced populations.

In order to attempt to understand the main source of population within Africa that migrated to Europe, Southwestern Asia, North and South America, a phylogeographic analysis of the L haplogroup was performed using 6658 human mtDNA sequences from Africa, Europe, Southwestern Asia, North and South America. Using phylogenetic reconstruction, a molecular mtDNA clock to date the events and Founder analysis we were able to reconstruct the history of the haplogroup L all over the world and visualize the peaks of migration from Africa to the other continents.

Two main events of migration from Africa occurred: one at 8000 years and the other at 500 years. Geographically, the source of populations at these time-frames are clearly different in some aspects, such as the appearance of South African lineages in Europe, Southwestern Asia and the Americas only in historical migrations (500 years ago). When associating this fact with world history, we can correlate this with the Trans-Atlantic Slave Trade route, a massive forced movement of over 10 million African from the 16th century on.

Genetic studies associated with ancestry aid us in better comprehend history. In here, we were able to uncover a bit more about the L haplogroup’s history, not only in Africa but all over the world, about the Trans-Atlantic Slave Trade and the genetic evidences left behind that are still present to this day.

Keywords: Africa, Founder analysis, mtDNA, Phylogeography, Transatlantic Slave Trade.

RESUMO

Acredita-se que África é o berço do Ser Humano anatomicamente moderno, há 200 000 anos. Esta primeira forma de *Homo Sapiens* colonizou África e tinha um facto em comum: o haplogrupo do ADN mitocondrial (mtDNA) L. Há cerca de 60 000 anos ocorreu a primeira migração para fora de África (“*Out-of-Africa*”), e a partir daí existiram períodos de maior migração de África para a Europa e o Sudoeste Asiático, principalmente associados com condições climáticas ótimas. Mais recentemente, com a globalização e a descoberta do Novo Mundo, alguns países europeus começaram a exportar escravos de África para a Europa e as Américas. Uma vez que o mtDNA é herdado por via materna e não sofre recombinação, é a forma “perfeita” de seguir linhagens e movimentos migratórios, permitindo o estudo da fonte das populações deslocadas.

Numa tentativa de compreender a principal fonte de população de África que migrou para a Europa, o Sudoeste Asiático, a América do Norte e do Sul, foi feita uma análise filogeográfica do haplogrupo L com 6658 sequências de mtDNA humano de África, Europa, Sudoeste Asiático, América do Norte e do Sul. Com reconstrução filogenética, relógio molecular de mtDNA para datar eventos e análise de Fundador, conseguimos reconstruir a história do haplogrupo L em todo o mundo e visualizar os picos de migração de África para outros continentes.

Ocorreram dois principais eventos de migração: um há 8000 anos e outro há 500 anos. Geograficamente, as populações-origem destes períodos são claramente distintas em alguns aspetos, como a presença de populações do sul de África nos restantes continentes apenas nas migrações históricas (500 anos). Quando associamos este facto com a história mundial, podemos relacioná-lo com a rota Transatlântica de tráfico de escravos, que movimentou à força mais de 10 milhões de africanos a partir do séc. XVI.

Os estudos genéticos associados à ancestralidade ajudam-nos a compreender melhor a história. Neste trabalho conseguimos revelar um pouco mais sobre o haplogrupo L, não só em África, mas em todo o mundo, sobre a rota Transatlântica de tráfico de escravos e as ligações genéticas deixadas que ainda hoje estão presentes.

Palavras-chave: África, Análise de Fundador, mtDNA, Filogeografia, Transatlântica de tráfico de escravos.

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LIST OF ABBREVIATIONS

AMH	Anatomically Modern Human
aDNA	Ancient DNA
ATP	Adenosine triphosphate
DNA	Deoxyribonucleic acid
H-strand	Heavy strand
HVS	Hypervariable segment
ka	Thousand years ago
kb	Kilo base pairs
ky	Thousand years
LGM	Last Glacial Maximum
LGP	Last Glacial Period
L-strand	Light strand
MCMC	Markov Chain Monte Carlo
MIS	Marine Isotope Stage
ML	Maximum-Likelihood
mtDNA	Mitochondrial DNA
rCRS	Revised Cambridge Reference Sequence
rRNA	Ribosomal RNA
SNPs	Single Nucleotide Polymorphisms
tRNA	Transfer RNA
XML	Extensible Markup Language

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INTRODUCTION

It is part of the Human nature to be curious about our origins and consequently to work as hard as possible to achieve answers. There are demographic and migratory events in Human history that need further explanation. With this in mind this thesis is organized in four chapters. On the first chapter an explanation is provided on the importance of mitochondrial DNA (mtDNA) in ancestry studies, the concept of phylogeography, the theories of the origin of modern humans and the expansion of mankind and the influence of slavery in the current mtDNA gene pool worldwide. The second chapter includes a list of all the methods used to answer the aims of this thesis, being the results shown on the third chapter. The last chapter is the discussion of the results: and that includes reviewing the results obtained and contextualising these results within the area of phylogeography. Also, the discussion contains the assessment of the goal's completion and future perspectives.

1. MITOCHONDRIAL DNA

1.1. THE MITOCHONDRIA

Mitochondria are organelles present in the majority of eukaryotic cell. Their main function is to produce metabolic energy (Alberts et al., 1994).

Mitochondria were firstly observed in 1840, but only in 1925 they were implied in the respiratory chain (Ernster and Schatz, 1981). Almost 30 years later, in 1957, mitochondria received the popular denomination “powerhouse of the cell” by the biologist Philip Siekevitz (Siekevitz, 1957), due to their capability of generating most of the chemical energy needed to power the cell's biochemical reactions. Structure-wise, each mitochondrion is composed of an outer membrane and an inner membrane, with high motility and they have the capability of fusion and fission with other mitochondria (Chan, 2006; Karbowski and Youle, 2003). Mitochondria have a morphology that drastically changes according to the cell, including variation inside the same cell (Detmer and Chan, 2007), and they vary in number and location according to the cell type.

Functionally, mitochondria are linked to important roles such as signalling, cellular differentiation, apoptosis and autophagy, steroid and lipids synthesis, controlling the cell cycle and growth and regulation of the membrane potential and the cellular metabolism, beside the most notorious function of producing the cell's energy in the form of adenosine triphosphate (ATP) (McBride et al., 2006).

1.2. THE MITOCHONDRIAL GENOME

Mitochondrial DNA is the genetic material inside the mitochondria. The human mtDNA was the first mitochondrial genome to be completely sequenced in 1981 (Anderson et al., 1981). A single mitochondrion can have up to 10 copies of mtDNA, each with 16569 base pairs, according to the revised Cambridge Reference Sequence (rCRS), compiled in an extremely compact circular double stranded conformation without histones (Andrews et al., 1999).

The mtDNA sequence contains 37 genes, of which 28 are located on the H-strand (the “heavy” strand, rich in guanine) and 9 on the L-strand (the “light” strand, rich in cytosine by complementarity) distributed as shown in Figure 1. As mentioned previously, the mitochondria are extensively involved in the cell energy production, with 13 genes related with respiratory chain complexes, producing enzymes used in the oxidative phosphorylation, an ATP producing mechanism (Sharma and Sampath, 2019). Of the other genes, 2 encode for rRNA and 22 for tRNA.

A major part of the mtDNA genome is the control region, with 1.1 kb, located between positions 576 and 16024 (Figure 1). This region contains the transcription and regulation factors, the origin of replication for the H-strand (Crews et al., 1979) and, importantly, three hypervariable sections: HVS-I, HVS-II and HVS-III. These sections are fundamental in the study of human population genetics, mainly in the early stages of archaeogenetics, even though the last section (HVS-III) has a more focused application in forensic sciences and it is less variable (Brandstätter et al., 2004). Although earlier archaeogenetic studies used exclusively HVS-I and HVS-II to genetically characterise the human populations, in the last two decades, the sequencing of the complete mtDNA genome allowed a much higher resolution and previous concepts about the history of worldwide populations were revisited.

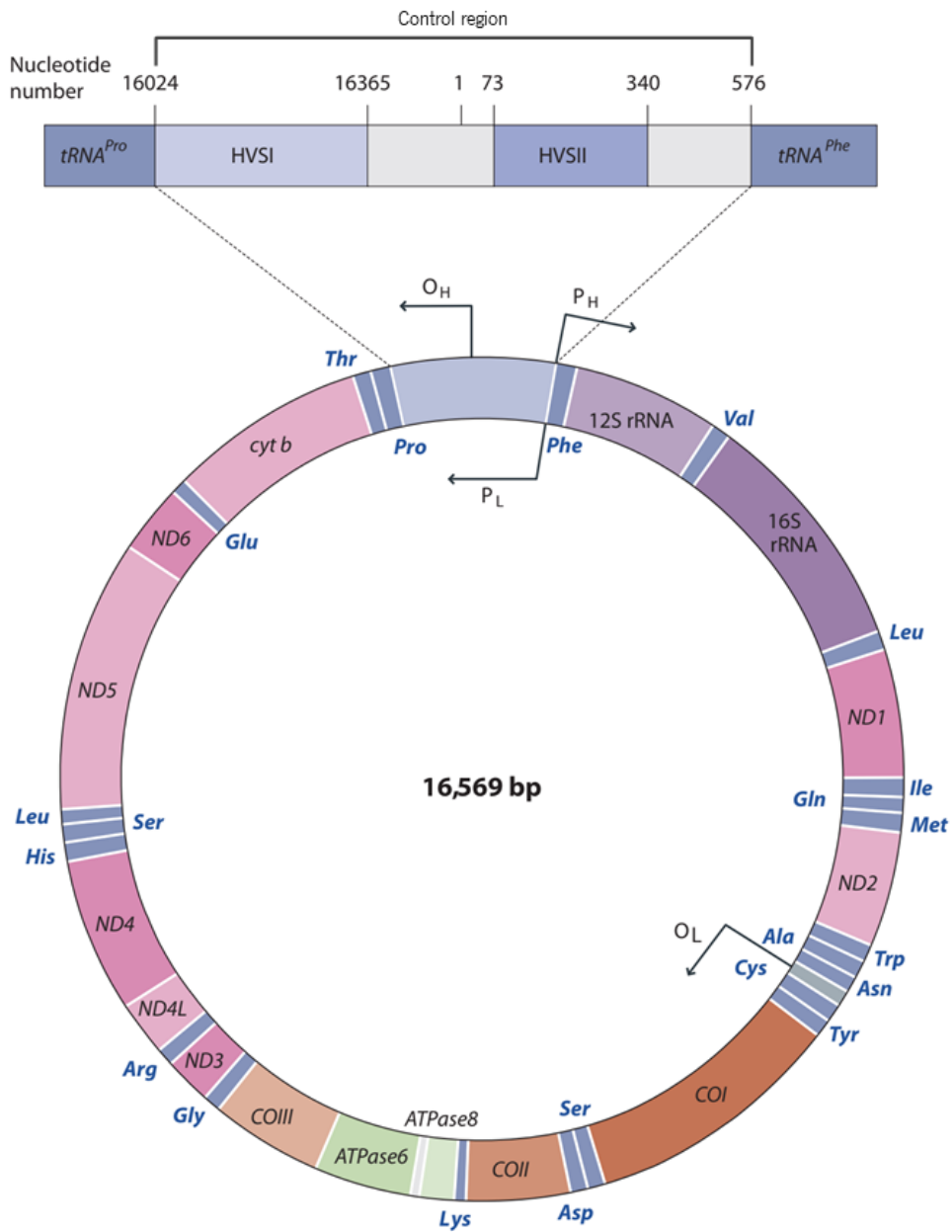


Figure 1 - Representation of the human mitochondrial genome.

mtDNA has 16569 bp compiled in a circular conformation. It has 37 genes organized in two strands: The H-strand ("heavy"), with 28 genes, and the L-strand ("light"), with 9 genes, all depicted in the figure. Emphasis on the control region and two of the hypervariable regions, HVS-I and HVS-II. Adaptation from (Jobling et al., 2014)

1.3. MITOCHONDRIA IN POPULATION STUDIES

Mitochondrial DNA has several characteristics that make it the ideal subject for human population studies:

1.3.1. Heritage and Lack of recombination

mtDNA is inherited almost exclusively by the maternal lineage, although some cases of paternal inheritance have been reported (Luo et al., 2018; Schwartz and Vissing, 2002) but given the small amount of occurrences, these situations are considered extremely rare and possibly associated with abnormal processes. The male mtDNA, present in the sperm's mitochondria, is marked to be destroyed with a ubiquitin tag once inside the fertilized oocyte (Sutovsky et al., 1999). So, even though mitochondria are capable of performing recombination, this has never been observed in the context of human evolution (Jobling et al., 2014).

In general, being exclusively maternally inherited, presents a slight disadvantage, since mtDNA only presents the maternal side of the story. Thus, for a better picture of the evolutionary history, there is the need to integrate all the available genetic information with the mtDNA inferences, like using autosomes, Y-chromosome and incorporating other data from other fields of research (like archaeology and palaeontology) (Vibranovski and Long, 2016).

1.3.2. Number of copies

Unlike nuclear DNA where a single copy exists, each cell contains hundreds of mitochondria and thus, thousands of mtDNA copies. As a result, it is widely used on ancient DNA (aDNA) studies and forensic cases from degraded samples, where mtDNA is easier to find than nuclear DNA, that tends to be in very low concentrations (Pääbo, 1989).

1.3.3. Mutation rate

Just like nuclear DNA, mtDNA also suffers mutations (deletions, insertions and/or base substitutions), although in a faster mutation rate, up to 10 times faster, that allows the tracing of the maternal side of the human evolution more accurately in the timeline of most recent aspects of

human history. This is often attributed to the high exposure of mitochondria to reactive oxygen species on the course of oxidative phosphorylation (Shokolenko et al., 2009) and also the fact that mtDNA is not protected by histones. Besides the exposure to reactive oxygen species, the established mutational patterns can also be due from nutritional changes, alteration of life style and climate changes. It is known that there has been periodic migrations by archaic and modern humans, driven by climate changes and the lack of food, which contributed to the genetic diversity and variability of the different haplogroups (Rito et al., 2013).

Heteroplasmy (the presence of more than one type of mtDNA genome inside the same cell (Stefano et al., 2017)) occurs in 90% of the population, with up to 20% implied in certain mitochondrial diseases (Ye et al., 2014), like cardiovascular diseases, diabetes and some forms of cancer (Dimauro and Davidzon, 2005). The bottleneck effect is also an important mechanism of mutation management. As mentioned in the previously, heteroplasmy is a very common situation and it is associated with this mechanism, where the mutated or the wild-type (the one inherited by maternal lineage) sequences tend to be more or less replicated, according to its benefit for the cell and the individual (Zhang et al., 2018).

The consecutive accumulated mutations in the germinal cells, where the mutated mtDNA is transmitted to the offspring, leads to new variants in the population and eventually to the creation of new haplogroups.

1.4. OTHER GENETIC STUDIES

Besides mtDNA, other genetic systems, for example Y-chromosome and autosomal data (at its highest level, whole genome data), can be used to study human population.

Y-chromosome presents the male side of the genetic history of a population, being inherited only by males and it also lacks recombination in most of the chromosome. Compared with mtDNA, it shows a much lower mutation rate. The difficulty to access the sequence diversity, associated with the low mutation rate and a very high number of repetitive regions, made it more challenging to characterize SNPs used in human population studies. In recent years though the Y-chromosome has been gaining a new breath, with more and more studies regarding its genetic history and

evolution (Cruciani et al., 2011). Migration mainly dominated by males, often associated with pastoralism, are observed only in Y-chromosome variation, having left no signal on the rest of the genome or the mtDNA (Haak et al., 2015; Henn et al., 2008) .

Whole-genome analysis uses the nuclear genome information for population studies. Given the large amount of data implied in this type of studies, and the complexity, since 99.9% of the genome is shared by every human (Li et al., 2014), genome-wide studies used to be very expensive and time-consuming. With the increasing interest in the past few years and the continuously decrease in sequencing prices, nowadays it is a much faster and more efficient process, with more data available to the public, that also led to the improvement of statistical method of analysis (Chakravarti, 2015). When compared with Y-chromosome and mtDNA, genome-wide presents a disadvantage in the migratory records, since the nuclear DNA is subject to recombination, many population and migratory markers and other important artefacts are lost due to the admixture with the sink population (Rito et al., 2019).

2. POPULATION STUDIES

2.1. ARCHAEOGENETICS

Archaeogenetics is a relatively new discipline, that consists in the “application of molecular genetics to study the human past” with the contribution of both archaeology and genetics (Soares et al., 2010). Although this field of study began in the 1960s with studies led by Cavalli-Sforza, observing traits like human blood groups and lactase persistence, known to be inherited characteristics, and correlating them to linguistic and ethnic groupings, it was only later that this discipline was named by the archaeologist Colin Renfrew (Sokal, 2001).

The development of techniques like Polymerase Chain Reaction (PCR) and Sanger DNA sequencing in the 1980s and the next-generation sequencing techniques in the 2000s, combined with the advantages of the use of mtDNA, allowed a deep assessment of genetic variation. In recent years, it also allowed the sequencing of small and degraded DNA samples from archaeological sites (aDNA), providing a more in-depth study of ancient civilizations and giving a new strength to the archaeogenetics field (Marske, 2016).

2.2. PHYLOGEOGRAPHY

Phylogeography is the integration of phylogenetics and geography in the study of population history, by establishing lineages and their evolution throughout time and space (Avice, 2000). The main tools used in phylogeography are phylogenetic trees, the geographical distribution of the established lineages and molecular clocks, in combination with other areas like archaeology, paleo-anthropology, paleoclimatology and ethnology (Cruzan and Templeton, 2000). Integrating all or some of these aspects, it is possible to shed light on the modern geographic distribution of a given species, by presenting its origin and dispersal patterns.

2.2.1. Phylogenetic trees

A phylogenetic (or evolutionary) tree is a diagram that contains branches connected by nodes. The structure of the trees consists in three parts: root, node and branches. While the branches represent lineages, the nodes represent the common ancestor (real or theoretical), where the lineages started to diverge. The root, when present, is the representation of the common ancestor of all the individuals present on the tree, and it defines the directionality of it. At the end of each branch there is a terminal node, also known as leaf, that represent modern sampled sequences (Scott and Baum, 2016).

As a whole, the tree is the visual representation of the evolutionary relationship between individuals. In phylogenetic trees these evolutionary relationships are based on genetic mutations or the lack of them (Choudhuri, 2014).

2.2.2. Tree construction

Trees can be rooted (Figure 2A) or unrooted (Figure 2B). Usually, the trees are rooted by using an outgroup: an individual that, although it is related closely to the data, it is far enough to not be represented in between the other branches. The same data can be presented without the root, but it will only show the relation between branches without indicating ancestrally (Choudhuri, 2014).

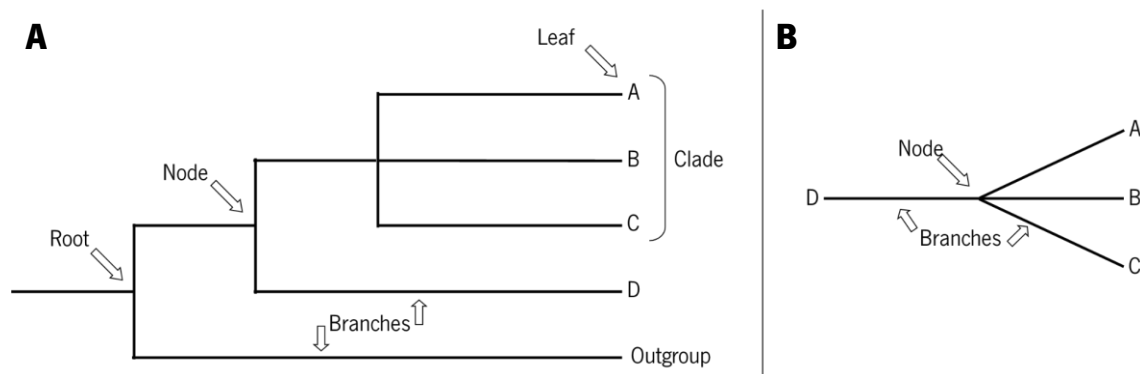


Figure 2 - Representation of phylogenetic trees and terminology.

A: Rooted tree with an outgroup; B: Unrooted tree showing relationships between branches.

There are two different methods to build the phylogenetic trees: distance-based and character-based. For the distance-based approach, the distance between each sequence is calculated and the tree is formed. Methods such as UPGMA (unweighted pair-group method with arithmetic mean)

and Neighbour-joining (NJ) are employed. Trees generated by NJ clustering are the more common, since it generates the shortest sum of branch lengths. Even though this method has its benefits (e.g. faster calculations), character-based methods are preferable when it comes to phylogeography analysis. The character method is based on the aligned sequences organized by similarity of characters. This better presents the evolutionary processes, as it accounts for the occurrence of mutations and alterations in repetitive motifs. Maximum-Parsimony, Maximum-Likelihood (ML) and Bayesian methods are the most used character-based methods.

Maximum-Parsimony

In this method, the length of each branch is calculated according to the number of polymorphisms along it. The algorithm creates all possible trees and then chooses the one with the smallest branches, the one that minimizes the total number of character-state changes. This methodology requires a low computational power but tends to lead to statistical inconsistencies called “long branched attraction”, where two independent samples that have fast evolving characters are grouped together, regardless of their true evolutionary relationships (Freudenstein, 2016).

Maximum-Likelihood

This method generates all the combinations to multiples unknown parameters and then, given the predefined evolutionary model, it estimates which tree is more likely to represent said data. The parameters can be branch length, sequence alignment, nucleotide substitution model, among others, and are what defines the models tested. This is a very demanding computational method (Dhar and Minin, 2016).

Bayesian Inference

This method, instead of only presenting one single tree, presents a set of trees and the probability of each, after repeated Markov Chain Monte Carlo (MCMC) simulations. This approach is also very demanding in terms of computational capacity and has been more and more used in phylogenetics and specifically in phylogeography (Yang, 2016).

2.2.4. Founder Analysis

Founder analysis is a quantitative method of phylogeographic analysis. It aims to identify, scale and date the migrations of a population to a new territory, by evaluating the diversity of lineages that came from a specific geographic population (the “source”) and settled in a specific location (the “sink”), also dating the time that it took for this diversity to occur.

This method of analysis was firstly proposed by Richards and colleagues in 2000 (Richards et al., 2000) and has since been used in the search of the founder lineages of the world. Although being a good method of analysis, the complex mathematical knowledge that its application requires, made it scarcely used. Recently, using the principles of the original methodology, a user-friendly program was developed, to facilitate the founder calculations (Vieira et al., 2020).

Founder analysis aims to identify common sequence or clades between a hypothetical source and sink populations (Figure 4). Following that identification, the subclades in the sink are isolated and the diversity accumulated in the new regions is used to estimate the time of migration using a molecular clock.

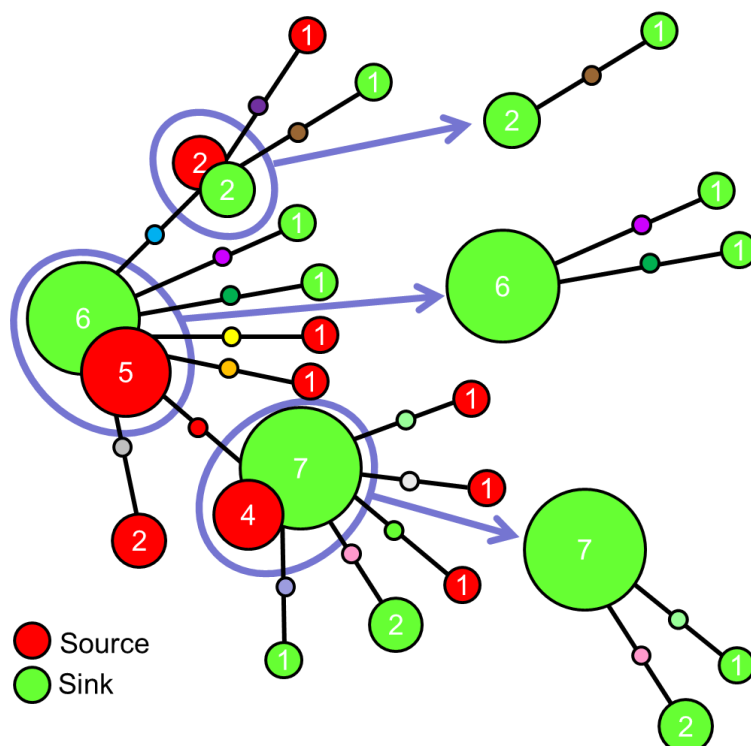


Figure 4 - Representation of the Founder analysis process.

Common sequences (present or inferred) in a source and a sink population are detected in a phylogenetic tree or network. Diversity of each clade in the sink is used to estimate the time of migration.

Common mtDNA mutations and reverse gene flow can present a challenge to the founder analysis. As to surpass this problem, several criteria have been developed to select what can or cannot be considered a founder group. $f0$ is the least restrictive criterium, as it considers all the samples in the data both source and sink. In $f1$ and $f2$ criteria, for a clade to be consider founder, the sequence type must display either one or two further derived branches, respectively, in the source populations.

Each founder will display a point estimate for the time of migration and a standard error for that estimate. Those parameters will allow each lineage to be statistically allocated to each predefined migration time (Figure 5) (Richards et al., 2000). The migration patterns will be established through the statistical allocation of all founder clades. While the first methodology would allocate lineages into specific migrations (Figure 5.A), the researcher can also perform an unbiased scan by selection equally-distant migration times and by observing the distribution of lineages across time (figure 5.B) (Soares et al., 2012).

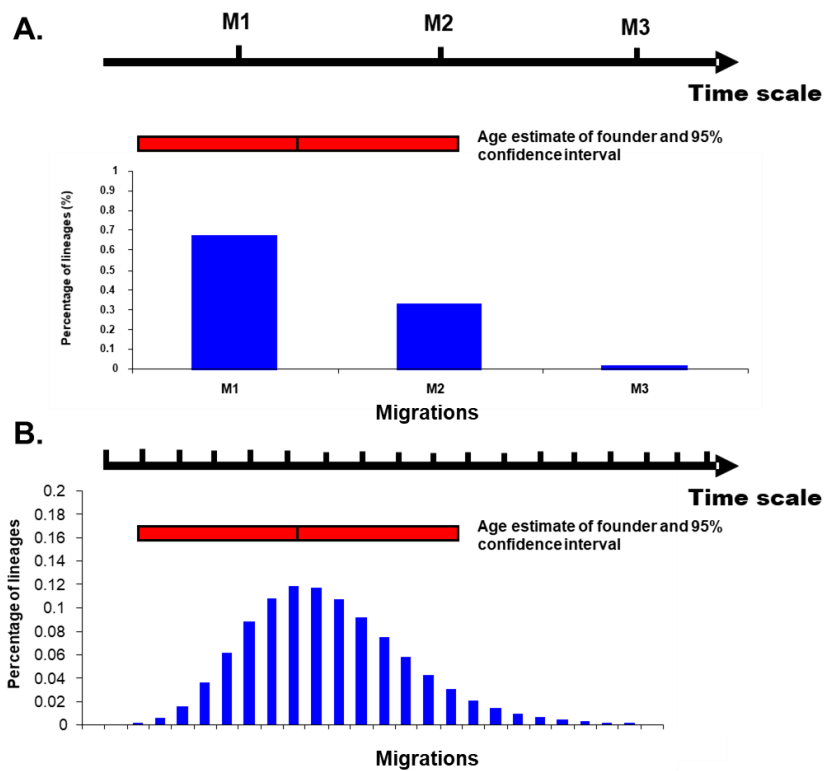


Figure 5 - Statistical distribution of a founder type across:
A) three predefined migrations (M1 to M3) and, **B)** across multiple equally-spaced migration events.

2.2.5. Molecular Clock

The understanding of mutations and the time that they take to happen is pivotal in phylogeography, and for this a reliable molecular clock is essential since it allow us to date the divergences between branches and consequently the division of each clade and subclade. Theoretically, evolution occurs in a steady rate, making it possibly to use all the accumulated diversity to pinpoint certain occurrences in a temporal perspective (Bandelt et al., 2002). Since molecular clocks allow us to estimate ages of lineages, they make possible to calculate the minimum arrival age of each founder cluster in the sink, using the before mentioned founder analysis (Richards et al., 2000).

Most mathematical models behind the dating of evolutionary events assume that the mutation rate is known and constant. Most use either the coding or the non-coding region of mtDNA. One example of this is the estimated function 1.80×10^{-7} substitutions/nucleotide/year in the HVS-I section of the control region of mtDNA (non-coding), developed by Forster and co-authors (Forster et al., 1996). Another example is the mutation rate estimated by Mishmar and colleagues of 1.26×10^{-8} substitutions/nucleotide/year in the coding region (Mishmar et al., 2003). The approaches based on only a determined part of the mtDNA present many problems, for example, the mutation rate differs in the coding region compared to the non-coding region (the non-coding region has a ten folds higher mutation rate than the coding region) (Howell et al., 2007). Other problem is that it presumes that the substitution rate is a linear relation between the accumulation of mutations and time, without taking to consideration the weight of the natural selection. It has also been shown that the oldest branches have a higher rate of synonymous mutations than younger branches. This is caused by the effect of purifying selection that occurs earlier on slightly pathogenic mutations (mostly non-synonymous) whose selective strength decreases later on as most deleterious mutations will hardly survive to older clades. This fact once again shows that a linear approach is not correct, since the short-term and the long-term mutation rate are not the same (Kivisild et al., 2006).

A recalibrated molecular clock, that uses the entire mitochondrial genome (coding and non-coding regions), was presented in 2009 by Soares and colleagues (Soares et al., 2009). They proposed a mutation rate of 1.665×10^{-8} substitutions/nucleotide/year, that translates to approximately 1 mutation per 3624 years, that is further mathematically adjusted for the effect of purifying selection (Figure 6).

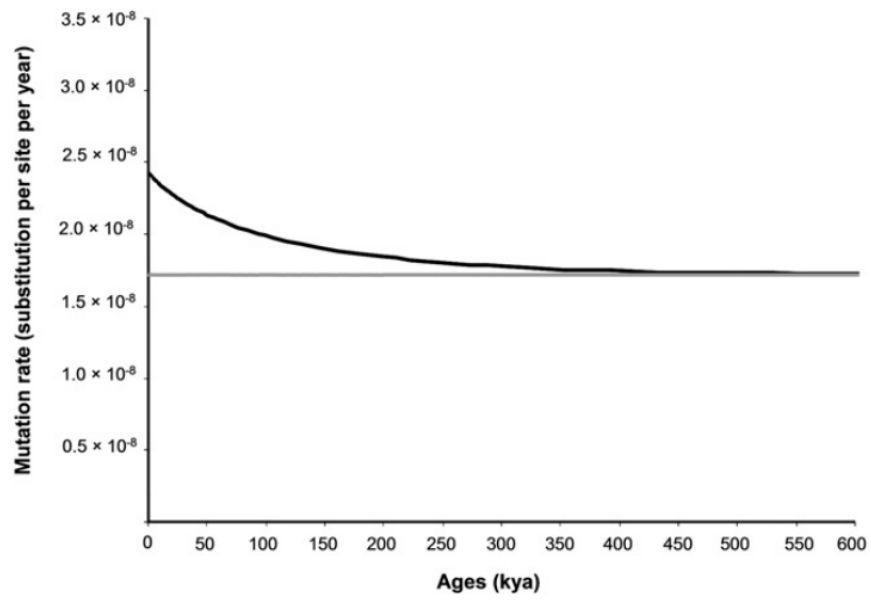


Figure 6 - mtDNA mutation rate variation through time.

The black curve represents the mtDNA mutation rate and the grey line represents the interspecific (long term) mutation rate (Soares et al., 2009).

3. AFRICAN MTDNA PHYLOGEOGRAPHY

3.1. ORIGIN OF ANATOMICALLY MODERN HUMAN

The origin of the Anatomically Modern Human (AMH) has been subject of extensive studies from multiple areas, leading to the conjecture of many theories to explain the rise and dispersion of *Homo sapiens*.

One of the theories is known as the Out-of-Africa model. It proposes that AMH arose as a new species in 200-150 ka in Africa and later expanded to other parts of the world, replacing the existent populations of hominids. This theory implies that the archaic hominid forms did not have any genetic input in the AMH and so all human population ancestry can be traced back to Africa 200 000 years ago (Relethford, 2008).

Another theory is the Multiregional evolution model, that suggests that the appearance of the AMH occurred in multiple events simultaneously across Europe, Asia and Africa, as the result of a coalescence of existing archaic populations (Relethford, 2008). This theory was proposed attempting to explain how some human traits are present in all three continents without known gene flow between them, while others are clearly region-associated traits retained during the evolutionary process. To justify the apparent similarity between populations, the defenders of this model attribute it to an equilibrium of gene flow, selection and genetic drift (Relethford, 2001; Wolpoff et al., 1984).

The most consensual perspective of these theories is actually a combination of them, with an African origin and a variable degree of gene flow in and out of Africa during the migrations and repopulations. To truthfully pinpoint the moment that the *Homo sapiens* appeared is extremely difficult, since it was a gradual evolutionary process that lasted a few hundred thousand years, as the scientific studies prove it (Rito et al., 2019).

The fossil findings of Omo I, dated 190 to 200 ka (Figure 7.1) (Fleagle et al., 2008; McDougall et al., 2005) and Herto, dated 154 to 160 ka in Ethiopia (Figure 7.2) (White et al., 2003), among other less significant fossilised evidences, support the paleoanthropological and archaeological assumption that the AMH arose in eastern Africa, even though the oldest AMH fossil found were in fact the Jebel Irhoud remains, in Morocco, with approximately 315 ka (Figure 7.3) (Hublin et al.,

2017). This discrepancy in data shows that the origin conclusion is yet unreliable and needs to be further studied.

In archaeogenetic analysis there is also a lack of consensus regarding the geographic location of the AMH, since different analytical methods and genetic markers present different results. Although all of them agree with the African origin, there is still a debate when it comes to specify a region in Africa or even a route for these first migratory events (Rito et al., 2013) as represented in Figure 7.

Genome wide studies suggest a southern African origin (Henn et al., 2011; Tishkoff et al., 2009), congruent with the results of many autosomal genomic studies, that show an early divergence between Khoesan population (southern) and the rest of the African population, displaying a clear difference between northern and southern populations (Gronau et al., 2011; Veeramah et al., 2012). When it comes to gender-specific markers, the Y-chromosome, portrayer of the male lineage, albeit the small amount of data available, shows a central/western origin of the male lineage (Cruciani et al., 2011) with a coalesce time of almost 350 ka (Mendez et al., 2013), while the mtDNA, that represents the maternal lineages, has given ambiguous signals. The mtDNA lineages diverges in 2 branches: L1'6 and L0 (Rito et al., 2013). L1'6 is in agreement with the origin of Y-chromosome, or at least associated with the northern part of the continent, since there are no actual records of the north of Africa. This is due to depopulation that occurred 75-65 ka ago associated with climate changes, around the same time that L3 appeared and migrated out-of-Africa (Soares et al., 2012). The region was repopulated again around 40-20ka from Eurasia (Macaulay et al., 1999; Olivieri et al., 2006). L0 shows a different story: the most probable origin of this haplogroup is in the south, where it still prevails in Khoesan populations and Bantu speakers (Barbieri et al., 2013; Chen et al., 1995). These differences make it still a mystery where AMH come from.

Mitochondrial Eve is the most recent common female-lineage ancestor and lived around 150-200 ka ago, when the AMH population was about 10000 people. According to human genetics, Mitochondrial Eve is the point of convergence in the maternal tree of life, meaning the only past woman with an unbroken female lineage to this day (Cann et al., 1987). The exact location of the Mitochondrial Eve is yet unknown due to the difficulty to pin-point it using phylogeography, since there is no deeper lineage, but the nucleotide diversity in the HVS-I region of mtDNA suggests a central African placement (Figure 7) (Soares et al., 2016).

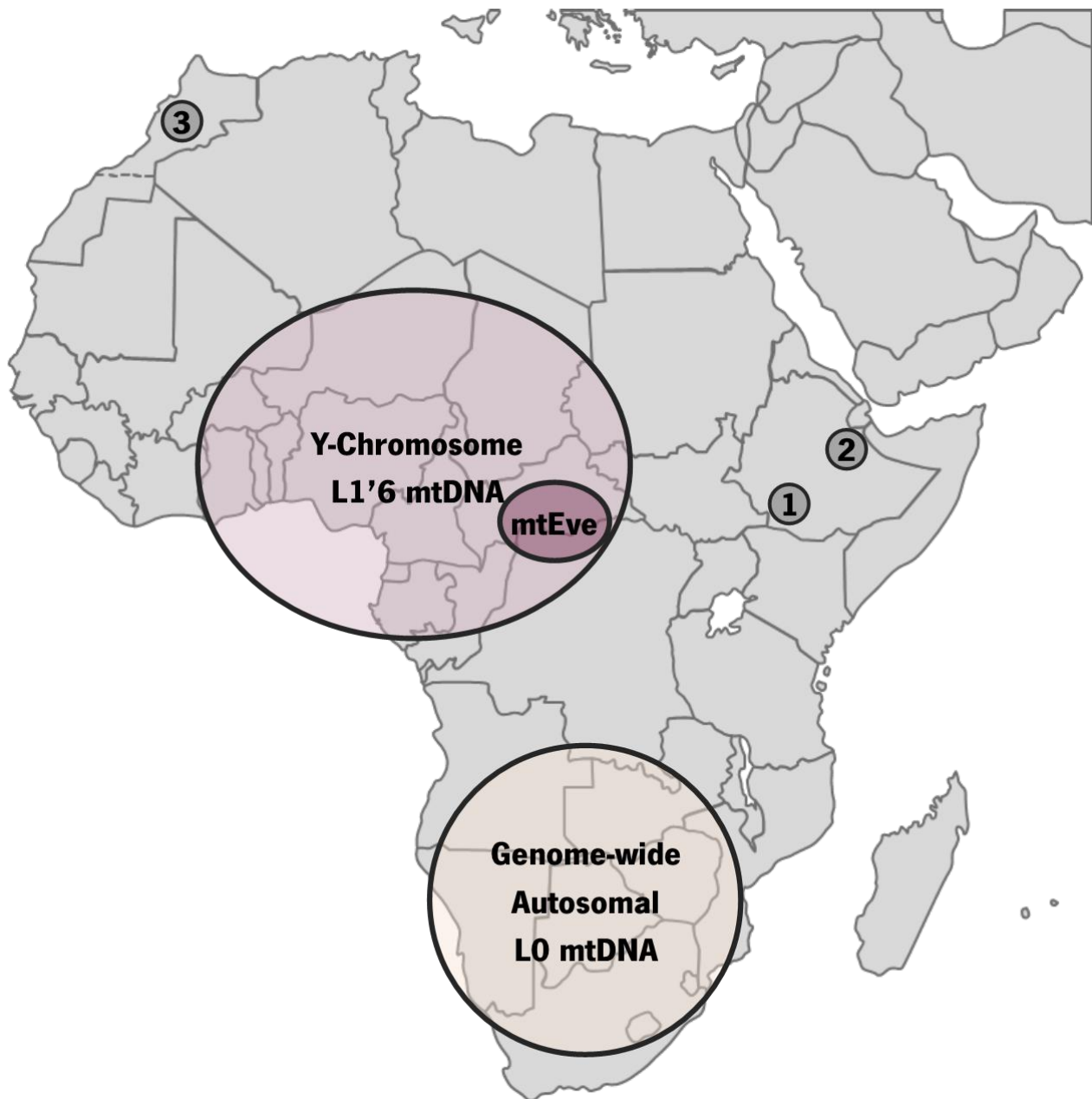


Figure 7 - Representation of the different hypothesis for the origin of Anatomically Modern Human.

Numbers 1, 2 and 3 represent the location of the major fossil findings. **1** - Omo I (Southeastern Ethiopia); **2** - Herto (Northeastern Ethiopia); **3** - Jebel Irhoud (Morocco). The circles represent the possible points of origin of AMH according to the different genetic analysis: Whole-genome and the mitochondrial haplogroup L0 point to a southern origin, while the Y-chromosome and the mitochondrial haplogroups L1'6 point a central/western origin, where it is presumed to be mitochondrial Eve's location.

3.2. HAPLOGROUPS

An haplogroup consists in a group of similar haplotypes with a common ancestor. A haplotype is a set of DNA variations, or polymorphisms, that tend to be inherited together (Blumberg et al., 2016). The first haplogroups to be classified were A, B C and D in Native Americans (Torroni et al., 1993), and from then, the next haplogroups found were named in alphabetic order. Nomenclature of the haplogroups consists in capital letters and the subsequent subclades are named by alternation between numbers and lower-case letters. It is important to note that in some cases the haplogroup is an offshoot of another and does not obey the normal naming rules, for example the haplogroup M and N diverge from L3.

The most ancient haplogroups are located in Africa (L0'1'2'3'4'5'6) and all lineages found outside of Africa belong to L3, a strong argument for the out-of-Africa expansion theory. L3 divides in M and N outside the African continent, both present in Asia, Oceania and the Americas, but in Europe only N is present (Richards et al., 2016). U is derived from R that is derived from haplogroup N and has currently a large representation in Europe and in North Africa, mainly due to the back-flow of populations (González et al., 2007). In 2009, Soares *et al.* proposed a global mtDNA phylogenetic tree considering the updated molecular clock (Soares et al., 2009). In it, it is possible to visualize the clear separation between within and outside African haplogroups.

3.3. EVOLUTION AND MIGRATIONS

The different African haplogroups arose as a result of evolutionary forces, such as migrations, climate changes, and many others. Here they will be described according to their order of appearance, according to the estimated time of emergence for each clade: L0, L1, L5, L2, L6, L4, L3, clustered in L0 and L1'6, based on the works of Behar *et al.* (Behar et al., 2008), Rito *et al.* (Rito et al., 2013; Rito et al., 2019), Rosa and Brehem (Rosa and Brehem, 2011), Salas *et al.* (Salas et al., 2002) and Soares *et al.* (Soares et al., 2012; Soares et al., 2009; Soares et al., 2016). The phylogenetic tree of the Human mitochondrial DNA according to Soares et al. is represented in Figure 8.

The superhaplogroup L started to differentiate around 180-190 ka. Around 150 ka, L0 was the first branch to arise in sub-Saharan Africa. It comprises the subhaplogroups L0a'b'd'f'g'k. L0d was the first to appear, approximately 100 ka, and together with L0k, they make over half of the

maternal genetic pool. They are present mainly in Khoesan population of South Africa, but also in the click-speaking population of Tanzania and Angola. It was believed that L0f and L0a'b'g appeared in East Africa 80-90ka, but according to Rito et al. in 2019, this clade arose in the south and then migrated to East Africa around 70ka, where it remains to this day. Present at a smaller scale, L0a arose around 40-45ka in eastern Africa, although currently is spread all over the continent. This subhaplogroup has relatively short branches, indicating a recent evolution and population growth.

L1 separated from the remaining L1'6 between 140 and 150 ka and later branched in L1c and L1b. L1c coalesced 80-85 ka in central and western Africa. It has a 70% prevalence in the Pygmy maternal legacy and also 18-25% in the Bantu population in Angola, demonstrating a possible common ancestor between these populations within L1c. L1b has a similar origin point, although more turned to the coastal area. To note that this subhaplogroup has a very recent coalescence time, around 10 ka, indicative of a recent evolution and growth.

L5 has been previously classified as L1e. It appeared around 120 ka and it is observed in a very low frequency. It is originally from eastern Africa and has a noticeable gene flow to Pygmies and the Fali population located at the north of Cameroon.

L2 split from the main branch around 90 ka. Together with L3, it composes of 70% of the sub-Saharan maternal variation. This haplogroup subdivided in L2a'b'c'd'e. L2a is the most frequent and more widely spread haplogroup in Africa, going from the Tuareg population of Nigeria and Mali, through the Fali population, the Pygmies of Gabon and the Bantus of Mozambique. With a coalescence time of approximately 50 ka, L2a is hypothesised that it has a central African origin and then, starting 10ka migrated to the rest of the continent via the better conditions with the onset of the Holocene (Silva et al., 2015), followed by the Bantu expansion and later the trans-Saharan slave trade. It is also the most common sub haplogroup present in the African American population, due to the Atlantic Slave Trade that occurred in the 18th century, with slaves mainly from West Africa. The rest of the subhaplogroups coalesce around 60 ka and have a western central point of origin and still remain in this region.

L6 is a recent branch, with a coalescence time close to 20 ka, even though the divergence of the main branch is dated around 105 ka. It is mainly found in Ethiopia and Yemen, which leads to a probable point of origin in the eastern region, although it is still unknown.

L4 split from L3 around 85 ka, in north-eastern Africa. Nowadays it isn't very common. The subhaplogroup L4b coalescence time is very close to the haplogroup appearance, and it is mainly located in Tanzania and Ethiopia, much like L4a, also present in Ethiopia and in Sudan, but with a more recent coalescence time, close to 55 ka.

L3 appeared around 70 ka in eastern Africa and it is now widely spread in the entire continent. Some subhaplogroups of L3 can be linked to specific regions of Africa. L3h appeared 65 ka and is located in the northwest and the southeast of Africa. L3b'd appeared after, around 60 ka, and it is found mainly in central/south Africa, particularly Rwanda. L3f as a coalescence time of 50 ka and is found all over the continent, while L3e, with 40 ky, is found mainly in the central/south, but also has a small representation in the north of about 5%. This haplogroup is the origin of the other haplogroups present all over the world. Around the time of coalescence, it started to migrate out-of-Africa through the Middle East, branching out in M (60 ka) and N (70 ka), that populated the rest of the planet. Due to backflow, M and N are also present in Africa.

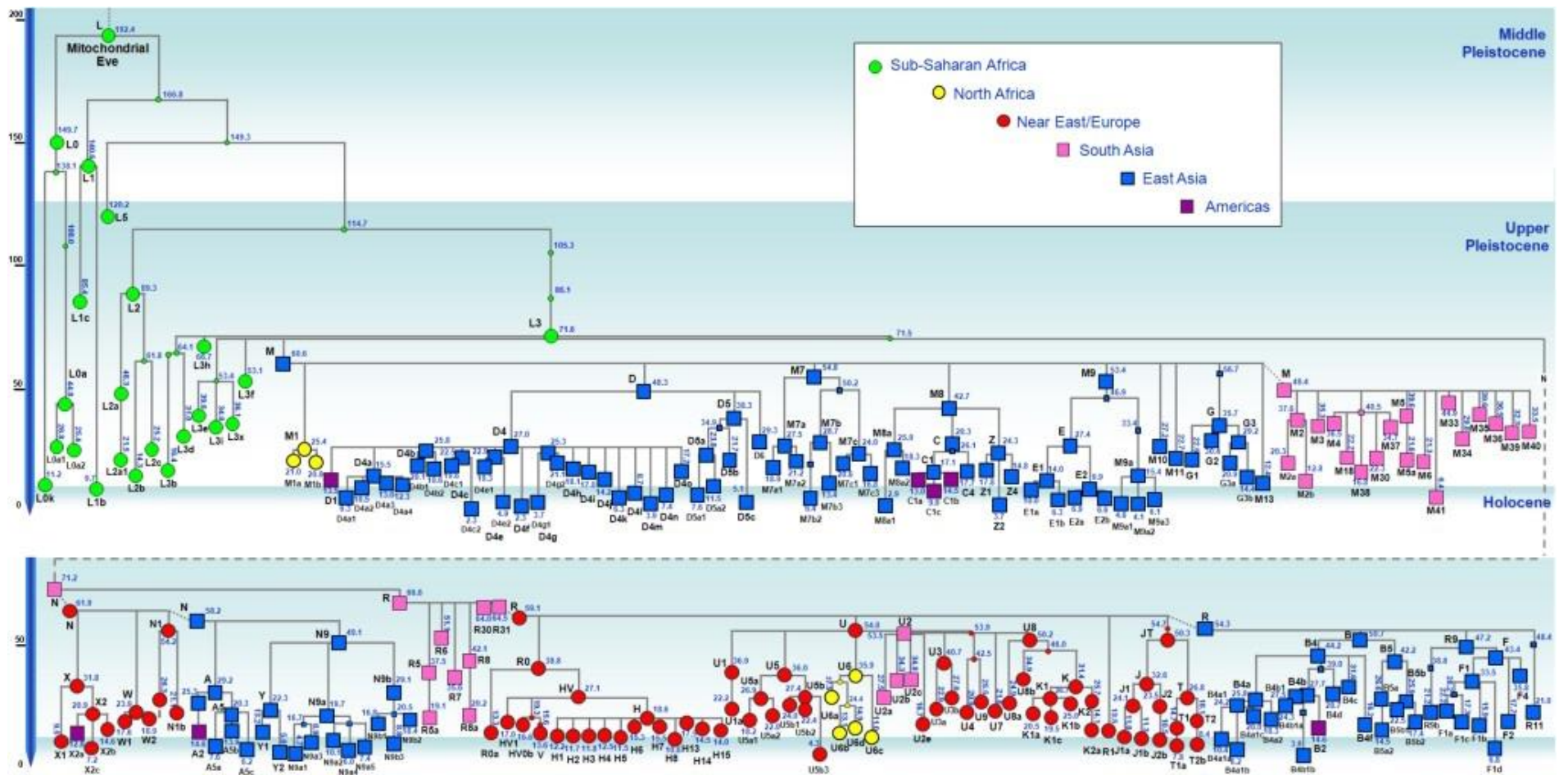


Figure 8 - Human mitochondrial DNA phylogenetic tree.

The first Anatomically Modern Human (mitochondrial Eve) arose in Africa around 200 ka and colonized the rest of the world in a single exit out of Africa, carrying haplogroup L3. Regions are differentiated through different colours and shapes and years are expressed in ka (Soares et al., 2009).

3.3.1. Causes and routes

It is known that there were periodic migrations of AMH mainly due to climate changes. Climate affects and determines the existence of plants and animals, necessary for human sustenance and is often appointed as the main contributor for the spread of *Homo sapiens* and its diversification. These factors are also associated with a phenomenon called bottleneck, a sharp reduction in population size which leads to a drastic reduction of genetic diversity that have caused diversity to be reduced at some points in the past (Soares et al., 2016).

Given the importance of the climatic changes, the migrations described next will be divided in periods known as MIS (Marine Isotopic Stage), based on the book *Africa from MIS 6-2* (Stewart and Jones, 2016), Blome *et al* (Blome et al., 2012) and Rito *et al* (Rito et al., 2013). These climate changes caused the intermittence of conditions in Africa, varying between the different regions, with periods of extreme drought to period of high levels of humidity and ice.

MIS 6

This period occurred between 190 ka and 130 ka. It was probably in this MIS that the AMH and the mtEve appeared and the haplogroups L0 and L1'6 arose.

The first migration registered was from central Africa (assuming a point of origin of the mtEve) to south, where L0 arose, around 150 ka. While L1 stayed in western Africa, L2'6 migrated to east Africa, 130 ka (Figure 9.A).

This period is characterised as glacial, with refugees in west Africa and, also known as tropical, and in the south, where the climate changes were not as intense, with intermittent periods of both dry and wet conditions, as is represented in Figure 10.

MIS 5

Between 130 ka and 70 ka, this period was known as the Warm Interglacial Period. It was in this time frame that L2 arose in the west after a migration from the L2'6 cluster in the east (~ 80ka) and the L5 branch diverged in the east (120 ka), according to Soares et al. (Soares et al., 2016) (Figure 9.B).

The haplogroup L0 started to branch out, with the subhaplogroups L0a'b'f'k possibly traveling from the south to the east, starting in the beginning of this MIS, and only two of them (L0a'b) arriving to eastern Africa nearly at the end of this period (76 ka), according to (Soares et al., 2016). This scenario was recently revised, however, with the migration from South to East Africa only taking place around 70 ka (Rito et al., 2019).

The Saharan region was, at this time, a “green” environment, with favourable condition for the migratory periods. The eastern region was a very desirable destination, due to the increase of the temperature and a reduction of the moisture levels, creating a very suitable place for growing resources and for population growth (Figure 10).

MIS 4

Lasting only 10 ky, between 70 ka and 60 ka, it was in this period that the out-of-Africa migration of L3 occurred, granting it a very important place in AMH history, as is shown in Figure 9.C. While the Out-of-Africa Migration involved only the East African L3 haplogroup, influences from the South (in the form of the before-mentioned migration of L0) might have been crucial in starting this expansion (Rito et al., 2019).

In this MIS began the Last Glacial Period (LGP), that lasted until MIS 2. As it is seen on Figure 10, the climate above the Sahara was extremely arid, causing this region to become desertified and depopulated. In contrast, the sub-Saharan regions had high moisture levels, with particular the southern part of the Nile Valley, close to the Horn of Africa, the point of exit for the out-of-Africa expansion, was considered a refugee, with permanent bodies of water. In the south, a region known as Namaqualand, in Namib, had high population density (Viehberg et al., 2018).

MIS 3

Lasting from 60 ka to 30 ka, it was in this period that the AMH started to populate the rest of the world. In the Middle East (southwestern Asia), L3 started to branch into M and N, this one later diverging in R and U. These haplogroups, particularly sub-branches of M and U, M1 and U6 respectively, repopulated the north of Africa, in a process known as backflow, nearly at the end of

MIS 3. Since these populations had some level of mtDNA differentiation to the rest of African haplogroups, there is a clear distinction between the sub-Saharan and the Mediterranean coast populations.

Climatic conditions in the west improved considerably, making it more suitable for human occupation, and L3b'c'd migrated to this area around 50ka, and later on L3e travelled the same route, 37ka (Figure 9.C).

MIS 2

This period began 30 ka and lasted until 15 ka. At the end of the LGP, it was at this time that the Last Glacial Maximum (LGM) was reached, meaning that the ice-sheets had achieved the maximum growth in Europe. In terms of migration this period seems to display little movement of people.

MIS 1

This period began 15 ka and it lasts until the current days. The Holocene, the current geological period, started approximately 11,5 ka. It is characterized by a general improvement of weather and relative moisture conditions (Weldeab et al., 2007). The Sahel Belt, located between the Saharan desert and the tropical forests, became a humid and fertile landscape at this time and until 6 ka, allowing the formation of migratory corridors, North/South and East/West (Triska et al., 2015). In this period migrations of sub-Saharan lineages moved from West, Central and Eastern Africa into Northern Africa crossing the Sahel belt and ultimately reaching Europe.

The beginning of MIS 1 was a period of a large-scale populational expansion, not only in Africa, but all over the world, with particular importance in the Southwest of Asia and in Europe. The improvement of the climatic conditions led to a recolonization of these regions in the early Holocene, with the majority of the migrations being through the Middle East, except the Iberian Peninsula that received a large inflow of migration via the Strait of Gibraltar (Cerezo et al., 2012; Hernández et al., 2015; Skorecki and Behar, 2013). In this same period, in the last few millennia, two major migrations took place in Africa: The Bantu expansion and the trans-Saharan slave trade.

The expansion of Bantu speakers is believed to have started from Nigeria/Cameroon where African populations developed agricultural practices. It is believed that they have taken two main routes to Southern Africa: through the West, along the coast towards the South, to Angola, South Africa and Botswana, around 3.5 ka; and to East, towards the Great Lakes, reaching Uganda approximately 2.5 ka and later Mozambique (1.8 ka) (Figure 9.E). This migration caused a forceful retreat of other populations: San, a population of hunter-gatherers known for their click consonants, went further south, into the Kalahari Desert, becoming even more isolated, and the Pygmies eventually adopted the Bantu language (Silva et al., 2015).

L2 became widespread in the continent around this period, in West, Central and Southeast Africa associated with the Bantu expansion and in the northwest due to the trans-Saharan slave trade. The trans-Saharan slave trade happened after the repopulation of the Sahara, in early to mid-Holocene, when the weather conditions were at its best, and provided a significant flow between North/South and West/East Africa, also associated with the haplogroups L1b and L3e5 (Soares et al., 2016) (Figure 9.D). Also known as the Arab trade, this route was used to transport, besides slaves, gold and salt between the North of Africa, the Persian Gulf and the sub-Saharan region (Kehinde, 2014).

A part of the North-eastern African population later, 1500 years ago, migrated to Europe, in particular to the Iberian Peninsula, through the Strait of Gibraltar (Cerezo et al., 2012; Skorecki and Behar, 2013; Soares et al., 2010). This major migration is also known as the Muslim Conquest, that left a major imprint in Iberia, not only genetic but also cultural (Botigué et al., 2013). From then on, with the discovery and conquest of the New World, African migration as gained a whole new meaning. African populations were forcefully taken to Europe and the Americas as slaves around 500 years ago and, more recently, in search of better life conditions, migrated to the whole world.

The phylogeographic analysis across the last 200 thousand years allows for a complete understanding on the origin and geographic distribution of each of the African clades (Fig. 11) which will allow the tracing of each sequence outside Africa to an African region.

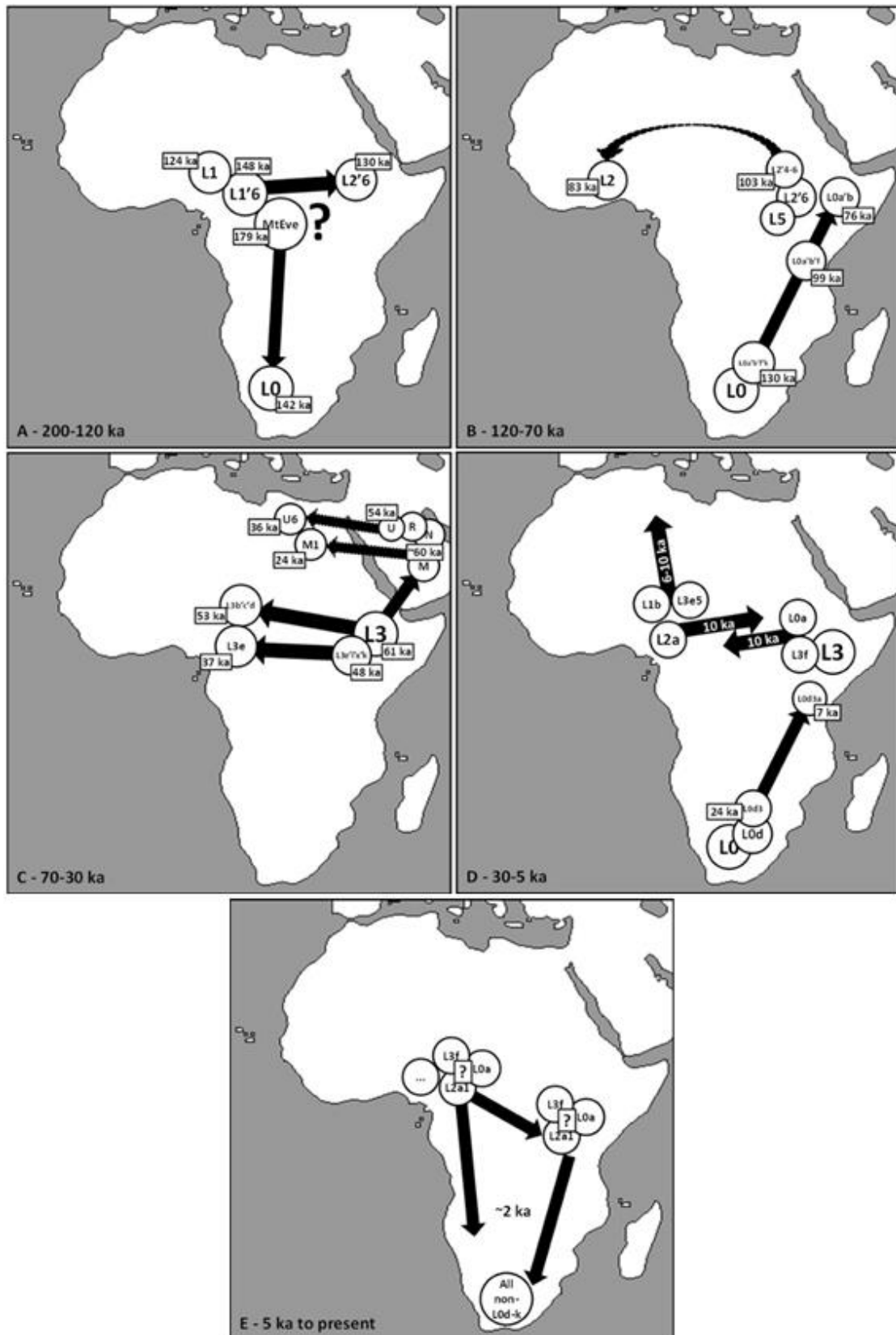


Figure 9 - Major human dispersals within Africa according to the phylogeographic mtDNA tree.

Arrows only indicate the directionality and not the migratory route. The periods represented are: 200-120 ka (A), 120-70 ka (B), 70-30 ka (C), 30-5 ka (D) and 5 ka to (present). Some migratory paths and dating were updated by Rito et al. in 2019. Adapted from Soares et al. (Soares et al., 2016)

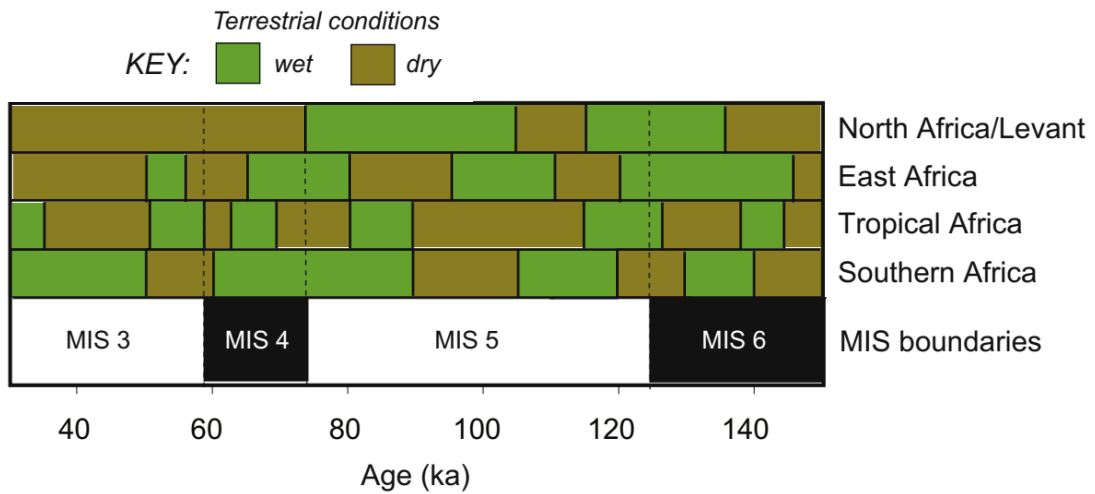


Figure 10 - Summary of the African climate data from 150 to 30 ka, divided in the different regions.
Adapted from (Blome et al., 2012)

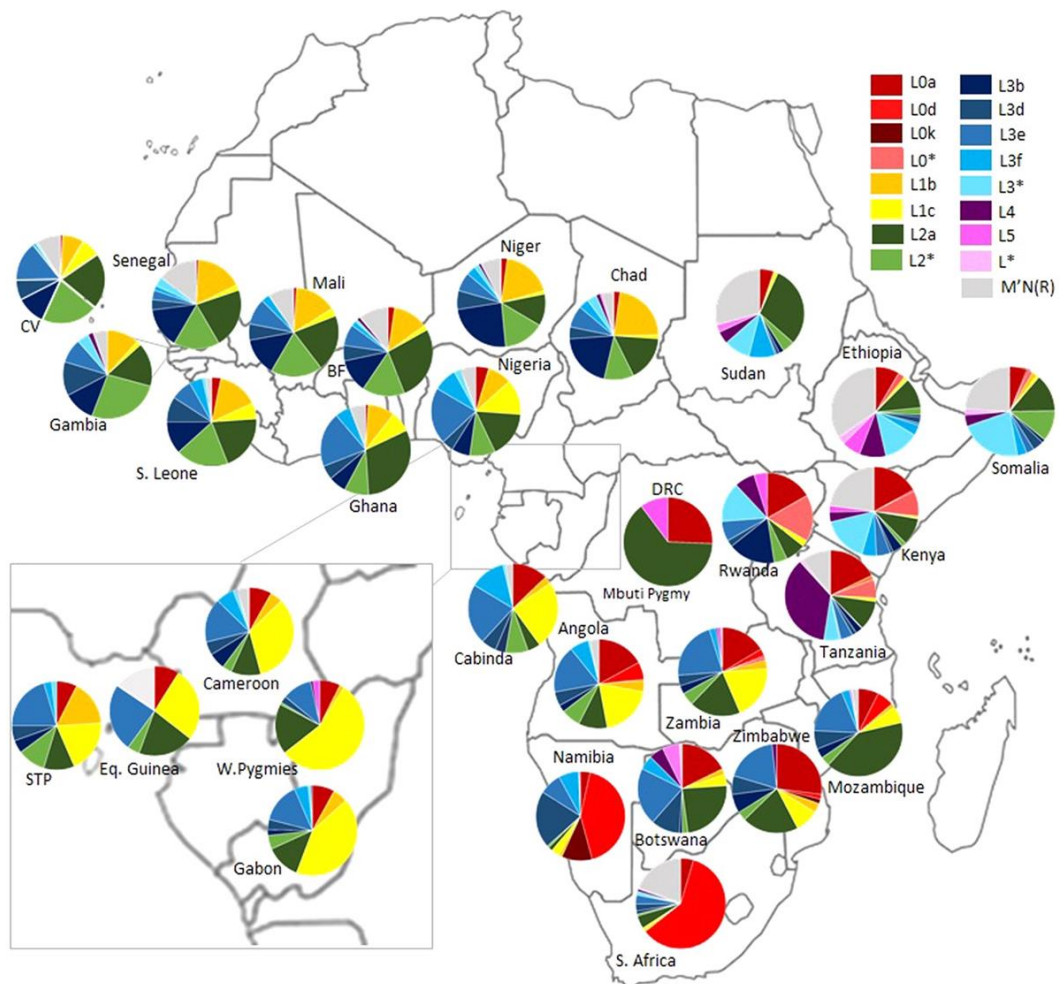


Figure 11 - Distribution of the major mtDNA haplogroups across Sub-Saharan Africa.
Figure obtained from (Silva et al., 2015).

4. AFRICAN INFLUENCES

4.1 SLAVERY

Enslavement became common around 11 ky (Hellie, 2020) in ancient civilizations, such as the Ancient Egypt, Ancient Greece and Ancient China that made use of these people to build their great architectural endeavours among many other tasks. At this time, slavery was used as a form of punishment for crime and other reasons (Harris, 2012).

Although not being a new practice, slavery gained new breath in the 15th century, when Portugal began to explore the African coast, mainly the central and western regions. In the 18th of June of 1452 the Pope Nicholas V issued a papal bull named *Dum Diversas* that granted the Portuguese King Afonso V the authorisation to consign people that did not believe in Catholicism to “perpetual servitude”. This authorisation was later extended to other countries, including the Americas in 1493. This was the trigger to the begin of the Slave Trade and the Colonialism. With time, the African population in the colonizing countries increased immensely, for example 10% of the population living in Lisbon in the mid-16th century was of African ascendance, arriving via de Atlantic Slave Trade (Earle and Lowe, 2006).

The first country to lawfully abolish slavery was Portugal in 1761 and later in its colonies, in 1869, but continued in many other countries (Figure 12). After this, in the 19th century there was an effect called as “Back to Africa”, where descendants of slaves decided to go back to the ancestor’s countries, mainly coming from the Americas to western Africa.



Figure 12 - Vintage engraving of a mother and daughter sold at Slave Auction, Southern USA in the 19th Century.

From: <https://www.history.com/topics/black-history/slavery>

4.2 THE ATLANTIC SLAVE TRADE

The Atlantic Slave Trade took place between the 16th and the 19th Century and was responsible for the transportation of over 10 million enslaved Africans to the Americas and Europe. This route was also used to transport textiles, arms and wine from Europe to Africa and sugar and coffee from the Americas to Europe, as shown on Figure 13.

Portugal was the first country to use this route to transport both slaves and supplies between Europe and its main colony, Brazil, followed by the United Kingdom, the North America and many others. The route consisted of three points: Africa (in particular the central and western regions, and in a much smaller scale the region of Mozambique, also a Portuguese colony), Europe (where the main slave markets were, for example Lisbon and Faro) and the Americas (Brazil, North America and Caribbean) (Thornton, 1998).

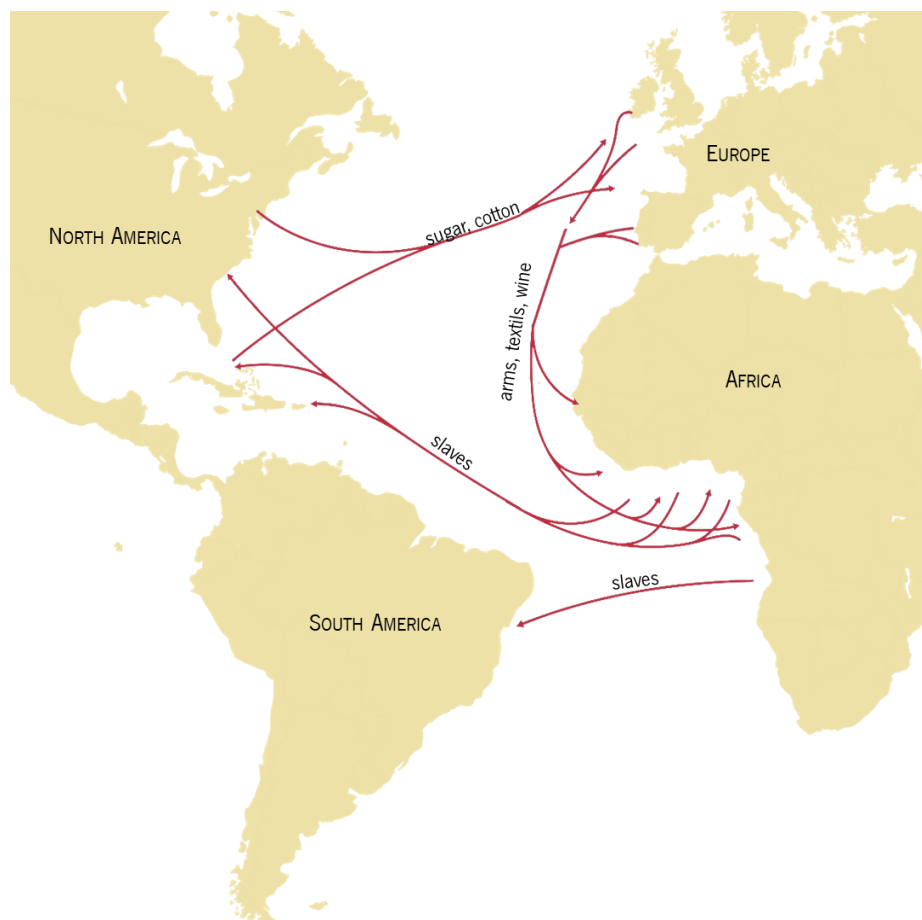


Figure 13 - Representation of the Atlantic Slave Trade.

Besides the transportation of slaves, this route also transported sugar, cotton, arms, textiles and wine, among other things, from and to the colonies.

The main ports used to carry out the slaves from Africa to the other continents were located in Western Africa, with two others in Southern Africa. Figure 14 represents the main ports locations, as well as the colonizing countries of the African regions.



Figure 14 - Representation of the African colonies and the main ports of slave exportation.
The arrows point to the main ports used to carry out the slaves. Each colour represents a different colonizing country.

4.3 GENETIC INFLUENCE OUT-OF-AFRICA

Although over 60% of the slaves transported to the Americas were male, previous studies have presented a sex bias towards female presence, due to the multiple accounts of sexual exploitation (Micheletti et al., 2020). While in the former British colonies, as the Caribbean and the USA, slaves were forced to have multiple children, either to maintain the workforce to a maximum (Marable, 2015) or after given false promises of freedom (Deyle, 2005), in South America the European women were encouraged, including via payment, to marry and have children with the more light-skinned slaves, as an effort to weaken the African traces of the population, a practice known as “Branqueamento” (Meade, 2016). As a result, the African descentance is much more visible in the USA, also due to more recent events, such as the segregation period (LaVeist, 1993), while in South America we can observe a distributed presence of african ancestry, for example in Brazil, 28% of the “mostly white” mtDNA sample is of African origin (Alves-Silva et al., 2000).

When it comes to pinpoint the original African region from which the slaves were exported, there is vast evidence of mostly western-central descentance in countries such as Brazil, in agreement with the known trafficking routes. In the USA there is an overrepresentation of Nigerian descentance, mainly due to the migration within the Americas but also because slaves from this part of Africa were much more recently transported. The more expected origin would be western-central, as in South America, but since this was an earlier migration, with a high rate of mortality, there is a much smaller representation in the current population (Micheletti et al., 2020).

In Europe there is an absence of a visible African ancestry, because it was only a negotiation place, not retaining a large number of slaves. In Portugal there is a prevalence of haplogroups associated with western Africa (Pereira et al., 2000) and haplogroups from the north, such as U6, most likely linked to the geographic proximity between Iberia and Morocco, demonstrating the Arab influence in Portugal (Salas et al., 2004).

AIMS

The work here presented had three objectives:

- 1) To reconstruct and update the African mitochondrial DNA tree, representing the female line of descent of the African populations around the world;
- 2) To determine the phylogeography of mtDNA in the African continent, taking into account the multiple processes with demographic impact
- 3) To understand the source and time of migration of the African lineages outside Africa and correlate this information with the literature on slavery and the Slave Trade market.

Ultimately, these three objectives combined, allow to determine the founders carried during the slave trade from Africa to Europe and the Americas and also to trace the most probable source in Africa of each founder, that end up being the major goal and outcome of this thesis.

MATERIALS AND METHODS

1. DATASET

A dataset of both published and unpublished complete mtDNA sequences was compiled. This includes samples from NCBI and the 1000 Genome Project (Auton et al., 2015) but also unpublished samples generated in collaboration with the University of Huddersfield. In total, the dataset had 6759 samples. A thousand and one samples were excluded due to low quality, to being generated from individuals with mitochondrial disorders or being part of clinical studies (e.g., cancer research). At the end, the dataset was comprised of 6658 L-type sequences samples. A full list of the dataset is presented in Table S1 of Supplementary File 1.

The variations in the whole mtDNA samples were scored as variants when aligned with the revised Cambridge Reference Sequence (rCRS), then the samples were assigned to the respective haplogroup, considering each sequence variation, using the online software HaploGrep 2.0 (Weissensteiner et al., 2016).

2. PHYLOGENETIC RECONSTRUCTION

A phylogenetic tree was constructed using a reduced median algorithm of the software Network 10.0.1 and visualized in Network Publisher 1.1.0.7 add-on from Fluxus-Technology Ltd. In order to ease the visualization and reduce the amount of reticulations, mutations with high homoplasy were down-weighted. By default, Network 10.0.1 weights each position in 10, but positions 146, 150, 152, 195, 709, 16093, 16129, 16189, 16311 and 16362 were weighted down to 7. The polymorphisms 308-315, 310C, 3107N, 515-522, 16182C, 16183C, 16189, 16192C, 16518T and 16519C, along with insertions and deletions were removed, since they are described as unpredictable, very fast or poorly sequenced, meaning that they are unreliable for phylogenetic inferences.

To help make sense of the over-reticulated networks visualized, choices were made regarding the evolutionary paths: sequences were compared to a complete mtDNA tree available online, from Phylotree (van Oven and Kayser, 2009), and positions were checked in a reference table for relative

frequency of each mutation from *Soares et al* (Soares et al., 2009). Preference was given to rarer mutations in the basal branches. Other criteria, was considered, e.g. the number of individuals in each node, do define the pathway to follow.

After assembly, the trees were transcribed to Extensible Markup Language (XML), to be further analysed by founder analysis software (Vieira et al., 2020).

3. FOUNDER ANALYSIS

After the XML transcription, the samples were assigned as source, sink or undetermined, according to the models to test. Samples were geographically classified as:

Iberia: Samples were included in “Iberia” if labelled as Portugal and Spain.

Europe: Samples were included in “Europe” if labelled as Bermuda, Bulgaria, Cyprus, Czech Republic, Denmark, England, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Poland, Russia, Serbia, Slovenia, Sweden, Switzerland and Wales

North America: Samples were included in “North America” if labelled as Barbados, Puerto Rico and USA

South America: Samples were included in “South America” if labelled as Bolivia, Brazil, Colombia, Dominican Republic, Mexico, Paraguay and Peru

Southwestern Asia: Samples were included in “Southwestern Asia” if labelled as Iran, Israel, Jordan, Kuwait, Lebanon, Oman, Saudi Arabia, Syria, United Arab Emirates, Yemen, India and Pakistan

Africa: Samples were included in “Africa” and subdivided in regional sections if labelled as *North Africa*: Algeria, Egypt, Libya, Mauritania, Morocco, Sahrawi Arab, Tunisia; *Western Africa*: Benin, Burkina Faso, Cabo Verde, Ivory Coast, Gambia, Ghana, Guinea-Bissau, Guinea, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togo; *Eastern Africa*: Comoros, Djibouti, Ethiopia, Eritrea, Kenya, Madagascar, Mauritius, Rwanda, Seychelles, Somalia, South Sudan, Sudan, Tanzania, Uganda; *Central Africa*: Burundi, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Equatorial Guinea, Gabon, São Tomé e Príncipe; *South Africa*: Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe.

The following migration models were considered for the founder analysis:

Table 1 - Migration models used in Founder analysis.

5 tests were performed, each with a different source-sink combination.

	Test 1		Test 2		Test 3		Test 4		Test 5	
	Source	Sink	Source	Sink	Source	Sink	Source	Sink	Source	Sink
Africa	X		X		X		X		X	
Europe		X			X		X			
Iberia		X		X	X		X			
North America						X				
South America								X		
Southwestern Asia	X		X		X		X			X

The founder analysis was performed by an in-house developed software (Vieira et al., 2020). Migrations were computed using the specific times of 500 years and 8000 years, the first correlated to the timeframe of the Slave Trade, and the other to accommodate all the other periods of migrations. The mutation rate was defined as 2643 years/mutation, based on studies of the African migrations to Iberia (Hernández et al., 2015) and in agreement with the curve described by Soares *et al* (Soares et al., 2009).

The founder analysis was run in two fashions. First, we considered an unbiased analysis where founders were statistically allocated to equally-spaced migration events from 0 to 20,000 years, with hypothetical migrations every 200 years. This will allow to perform a scan of probable periods of migrations by checking periods with an increased probability of multiples founders entering at that period.

Following this scan, a model of migration will be established with specific migration times. This model will take into account not only the migration scan performed previously but also combining with information from history, archaeology, anthropology and palaeoclimatology.

In order to visualize the geographic distribution outside Africa of L lineages associated with each of the migration in our demographic model, we constructed frequency distribution maps with Surfer® v.8 (Golden Software) using Kriging algorithm. We could only use datasets that corresponded to population data, and given this, the software mostly comprised data from the 1000

Genomes Project, the HGDP and the newly data generated in Huddersfield with a few other available cases (Derenko et al., 2013; Matisoo-Smith et al., 2018). A map of the datapoints is displayed in Figure 15.



Figure 15 - Datapoints to be used in the frequency maps.

RESULTS

With the intent of understanding the timeframe of migration events from Sub-Saharan Africa into different regions, a Founder Analysis was performed scanning for the probabilistic distribution of founders across time (Figure 16). African population was assumed as the source population for all of the tests, with the addition of Southwestern Asia for Europe, Iberia, North and South America and Europe and Iberia for North and South America.

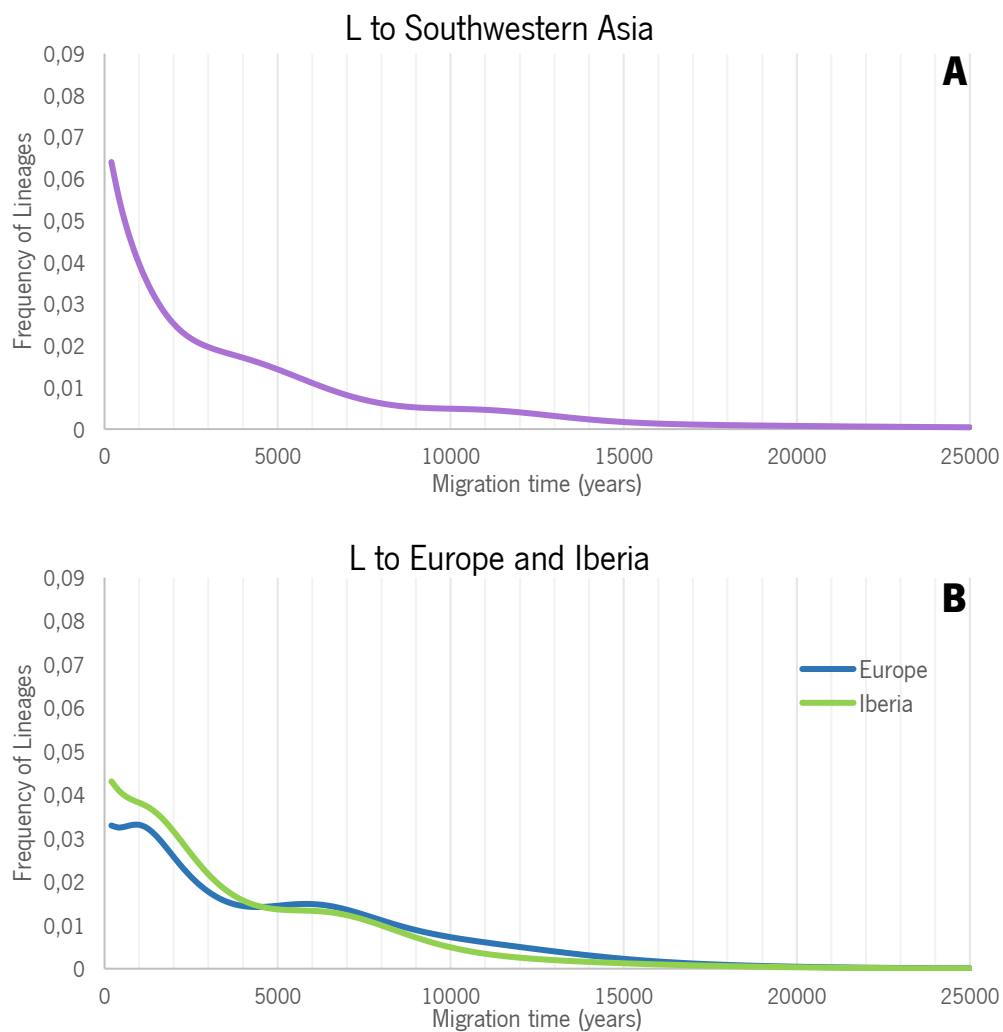


Figure 16 - Founder analysis for mtDNA L haplogroup.

The plots show probabilistic distributions of founder clusters across migration times for population expansion of mtDNA L lineages into Southwestern Asia (A), Europe and Iberia (B) and North and South America (C). Africa is assumed as the source population against Southwestern Asia, Africa and Southwestern Asia against Europe and Iberia, and Africa, Southwestern Asia, Europe and Iberia against North and South America.

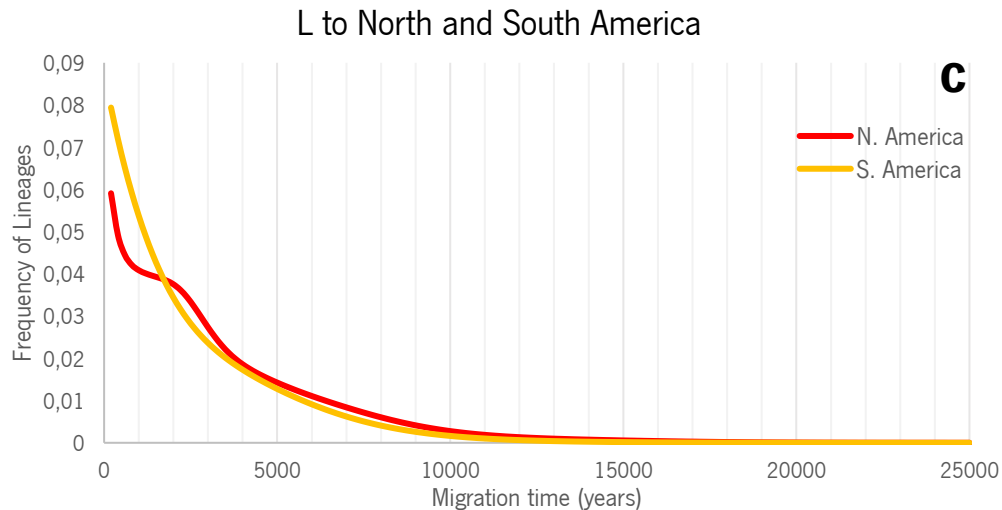


Figure 16 (continuation) - Founder analysis for mtDNA L haplogroup.

The plots show probabilistic distributions of founder clusters across migration times for population expansion of mtDNA L lineages into Southwestern Asia (A), Europe and Iberia (B) and North and South America (C). Africa is assumed as the source population against Southwestern Asia, Africa and Southwestern Asia against Europe and Iberia, and Africa, Southwestern Asia, Europe and Iberia against North and South America.

Southwestern Asia (Figure 16A) presents two very slight peaks, at 11000 years and at 5000 years and from 3500 years on the migratory probabilities increase exponentially till the present.

Europe and Iberia in specific (Figure 16B) have a similar dispersal between them as expected, with a peak at 6000 years and a more recent one, at approximately 1000 years, this last one more prominent in Iberia.

The Americas, both North and South, (Figure 16C) only present a rapid increase of migration probabilities in more recent years, which demonstrates that there was only recent migration of the haplogroup L to this continent.

Taking these results into consideration and taking into account known periods of population movements previously suggested from genetics, archaeology and palaeoclimatology, we selected two periods of migration in order to probabilistically part our data, one at 8000 years corresponding to the Holocene climatic optimum where movements likely occurred from Sub-Saharan Africa into North Africa and Europe, and one at 500 years, marking recent migrations, which includes the Atlantic Slave Trade. It is important to point out that more ancient migrations (before 10,000 years) as suggested before, will probabilistic be allocated into the 8000 years partition as well as more recent migrations older than 5,000 years as obtained in the scan for Arabia. In simpler terms, these partitions aim to split prehistoric migrations from historical ones.

Over 60% of L lineages found in Southwestern Asia are linked to recent migrations and only close to 40% are associated with Postglacial movements, as shown in Figure 17. Europe shows a very similar distribution of recent lineages and Postglacial while in Iberia it is possible to see a clear distinction between the recent migrations, that correspond to 67% of lineages, and the Postglacial movements. As expected, the Americas show a majority, over 85%, of recent lineages. The detection of postglacial lineages in North and South America is considered irrelevant, given that it is known that it was impossible at that time for migrations to occur between these continents and the percentage is mostly the results of statistical residues (large confidence intervals) from lineages that are mostly statistically allocated to modern periods.

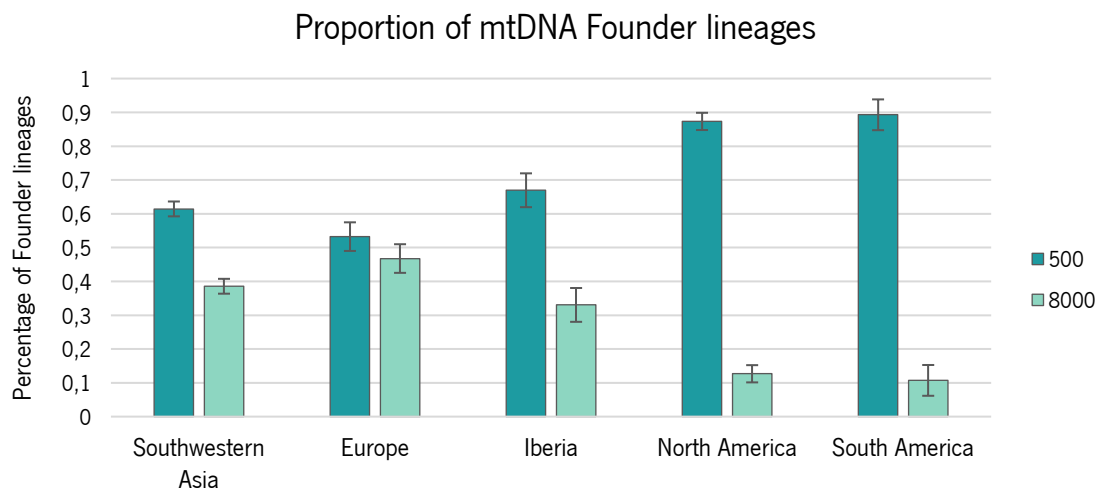


Figure 17 - Proportion of mtDNA L founder lineages in Southwestern Asia, Europe, Iberia, North America and South America.

Two migration periods were considered, taking into account the results of Figure 12: 500 years, that corresponds to recent migrations, and 8000 years, associated with the Postglacial Period.

As an attempt to understand where these lineages came from, a phylogeographic analysis of the source samples' locations was performed for founders statistically allocated to either recent or prehistoric migrations, with exception of North and South America, that only have recent migrations.

POSTGLACIAL PERIOD

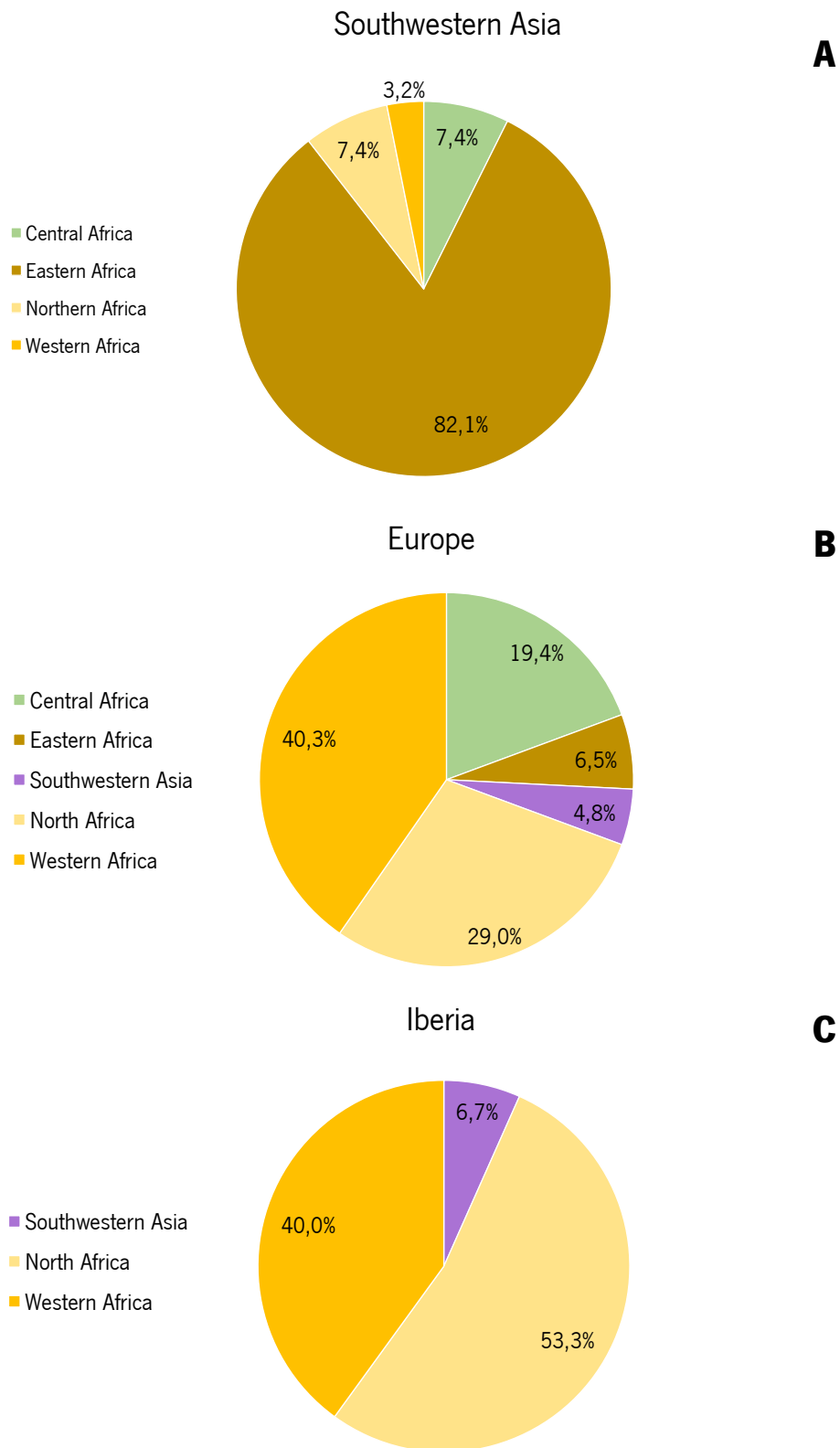


Figure 18 - Proportion of the point of origin of the lineages detected in the Founder Analysis at the Postglacial Period in Southwestern Asia (A), Europe (B) and Iberia (C).

Figure 18 presents the percentage of lineages from the different source regions that were detected at the Postglacial Period, 8000 years ago. Figure 18A shows the Southwestern Asia sink population, with source population from Africa, and has an overwhelming percentage of 82,1% came from Eastern Africa, 7,4% from Central Africa, 7,4% from Central Africa and 3,2% from Western Africa. Most common lineages include L0a2a2a+16188G, L2a1+16189C+143A+16309G+16192T, L3d1a1a, L3e3a and L3f1b+16292T. Figure 18B shows Europe sink population, with source populations from Africa and Southwestern Asia. Western Africa represents 40,3%, North Africa 29%, Central Africa 19,4%, Eastern Africa 6,5% and Southwestern Asia 4,8%. It mostly includes L1b1a lineages (L1b1a+185C+14016A, L1b1a+189G, L1b1a6 and L1b1a+1462A), L3f1b and L3d1b1. Figure 18C shows the Iberian sink population with source populations from Africa and Southwestern Asia. The majority of lineages came from North Africa, 53,3%, 40% from Western Africa and at last the Southwestern Asia with 6,7%, mostly represented by L1b1a6 and L3f1b. To note that none of the figures above show lineages from South Africa.

RECENT

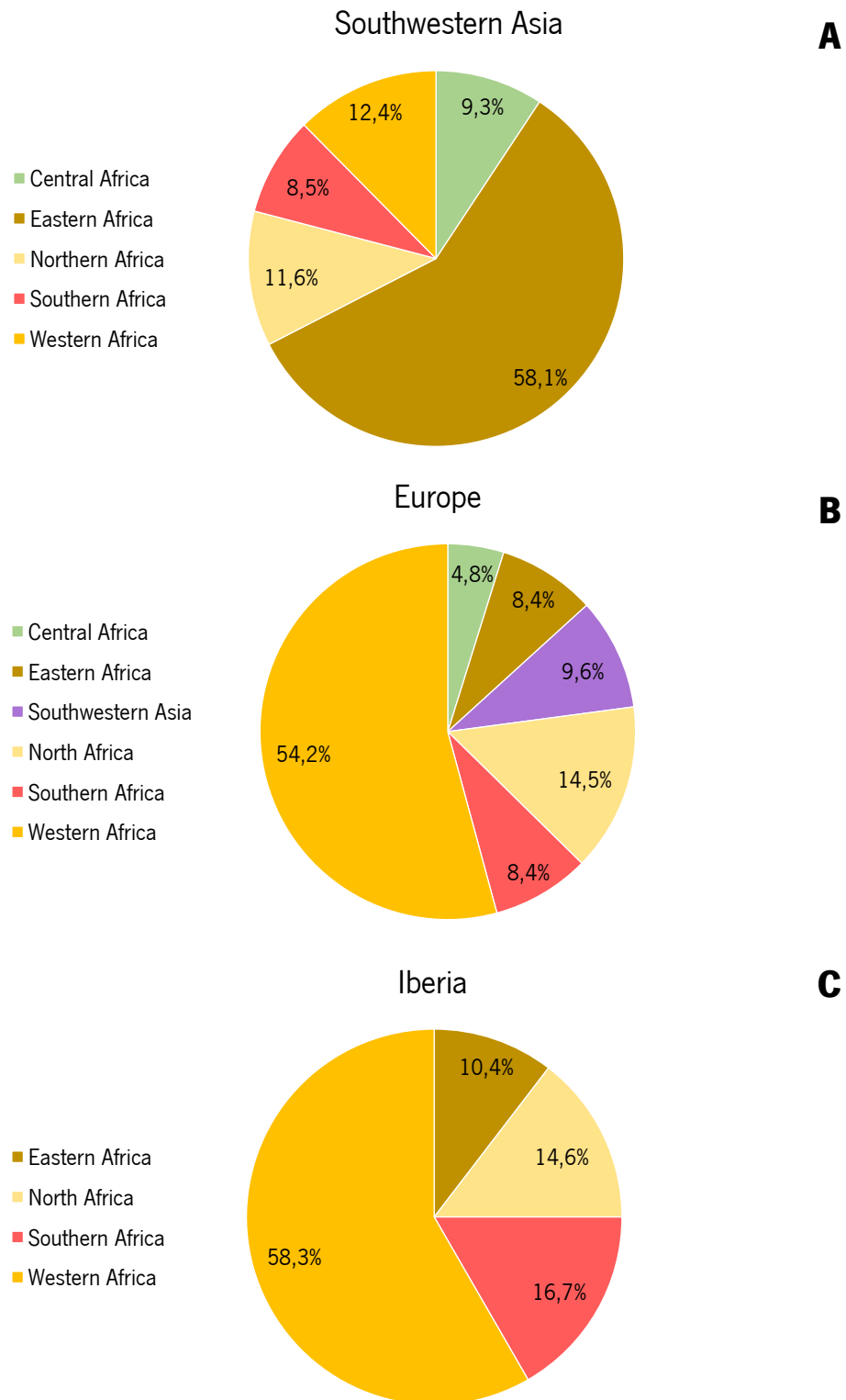


Figure 19 - Proportion of the point of origin of the lineages detected in the Founder Analysis at the Recent migrations (500 years ago) in Southwestern Asia (A), Europe (B), Iberia (C), North (D) and South (E) America.

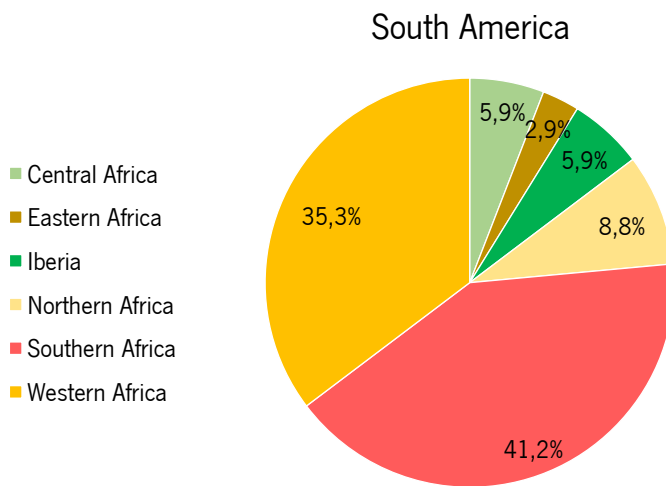
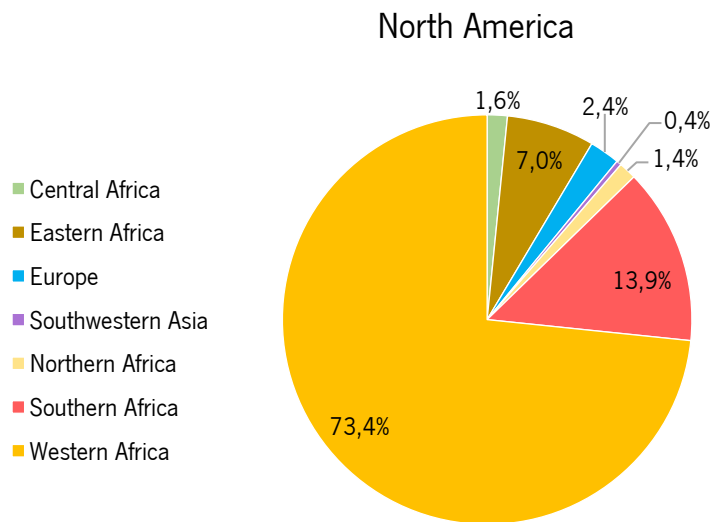


Figure 19 (continuation) - Proportion of the point of origin of the lineages detected in the Founder Analysis at the Recent migrations (500 years ago) in Southwestern Asia (A), Europe (B), Iberia (C), North (D) and South (E) America.

Figure 19 presents the percentage of lineages from the different source regions that were detected at the Recent Migration Period, 500 years ago, mostly associated with the Slave Trade. Figure 19A shows the Southwestern Asia sink population, with source population from Africa, and, as in the Postglacial period, the majority of the lineages is from Eastern Africa, 58,1%. Western Africa represents 12,4%, Northern Africa 11,6%, Central Africa 9,3% and Southern Africa 8,5%. No lineage displays a substantially higher frequency. Figure 19B shows the European sink population, with African and Southwestern Asia populations as source. Western African lineages are the most represented, with 54,2% followed by Northern Africa, with 14,5%, Southwestern Asia, with 9,6%, Eastern and Southern Africa with 8,4% each and Central Africa with 4,8%. The most common lineage at around 10% is L2a1I2+143A. Figure 19C shows the Iberian sink population, with Africa

and Southwestern Asia as source populations. Western Africa represents 58,3% of the lineages, while Southern Africa represents 16,7%, North Africa 14,6% and Eastern Africa 10,4%. No specific lineage shows an increased frequency. Figure 19D shows the North American sink population with Africa, Southwestern Asia, Europe and Iberia as the source populations. Western Africa has the most lineage representation, with 73,4%, followed by Southern Africa, with 13,9%, then Eastern Africa, with 7%. Europe represents 2,4%, Central Africa 1,6%, Northern Africa 1,4% and Southwestern Africa 0,4%. Most common lineages are L1c3b2+16086C+16104T+14929T, L2a1f+16192T, L2a1f1, L3e2b+152C and L3f1b1a, all from a probable Western African source. Figure 19E shows the South American sink population, with Africa, Southwestern Asia, Europe and Iberia as the source populations. Southern Africa represents 41,2% of the lineages, Western Africa represents 35,3%, Northern Africa represents 8,8%, Iberia and Central Africa represent 5,9% each and Eastern Africa represents 2,9%. Most common lineages include L1c3b1a and L0a1b+5563A, most common in Angola and Zambia in the African dataset.

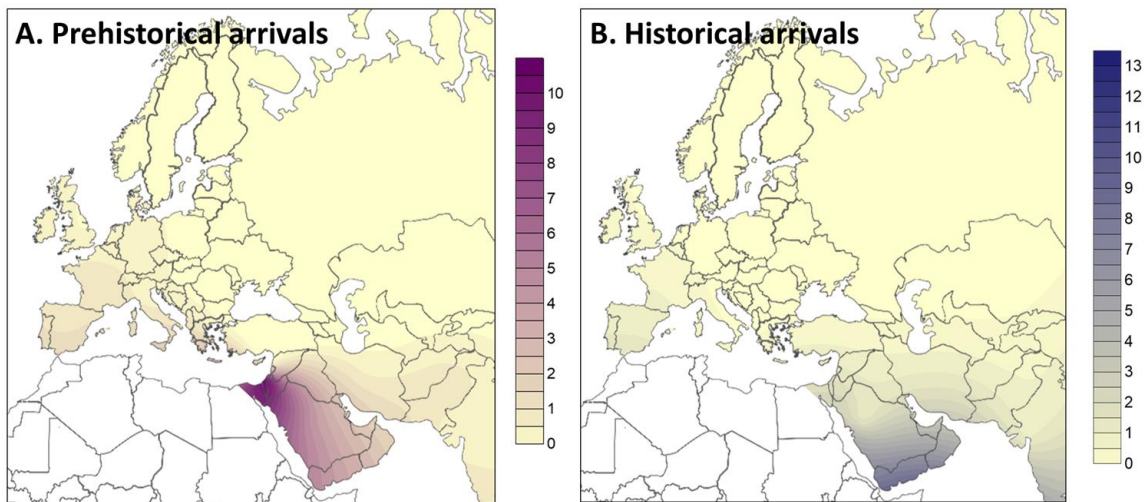


Figure 20 – Maps of geographic distribution frequencies of L lineages outside Africa associated with each of the migration in our demographic model.

(A) Prehistorical arrivals, at 8000 years and **(B)** Historical arrivals, at 500 years.

In terms of frequencies across Europe and Asia (Figure 20), it is possible to observe that considering both prehistorical (Figure 20A) and historical (Figure 20B) migration, the higher frequency is in Southwestern Asia. The Iberian Peninsula shows substantial frequencies of L sequences from both periods. However, the remaining Mediterranean Europe mostly shows lineages associated with prehistoric migration.

DISCUSSION

This worked aimed to apply a phylogeographic approach to understand the presence of mtDNA lineages of African lineages outside Africa. In particular, we applied a methodology called founder analysis, that aims at establishing migration episodes and quantify the number of lineages involved in those migratory episodes. By studying the movement of sub-Saharan mtDNA L lineages into several parts of the world, namely North America, South America, Europe, Southwestern Asia and South Asia, it is possible to understand the performance of the founder analysis methodology, as in some particular cases, mostly North and South America, the migratory model is mostly known, related with the transatlantic slave trade, all related with the last few centuries.

In the Postglacial period, more specific at 8000 years ago, the climatic conditions in Africa were at the optimal point, particularly in the Sahel Belt. This region, which includes the Sahara Desert, became a migratory corridor, allowing populations from the sub-Saharan region to arrive to the North of Africa, and from there to Europe and Iberia (Triska et al., 2015). This phenomenon explains the majority of the results shown above in Figure 18. The high prevalence of Eastern African L lineages in Southwestern Asia (Figure 18A) is associated with the geographical proximity, where gene flow has occurred in both directions for most prehistorical and historical periods (Skorecki and Behar, 2013). In the case of Europe (Figure 18B) there is a high percentage of lineages that trace to Northern Africa but mostly from Western Africa and from Central Africa. In general, while not all lineages left traceable descendants in North Africa, the three are basically representing the same migration event - during the Holocene improvements of the conditions in the African Sahel, when populations moved from Western and Central Africa into North Africa (Rosa and Brehem, 2011) and then into Europe. The higher percentage of Western lineages reflects the easier crossing into Iberia, due to short distance in the Strait of Gibraltar. This trend is highlighted in the analysis considering only Iberia as the sink where all lineages basically fall into Western and Northern Africa (Figure 18C). Nevertheless, African lineages are observed on this period across most of Mediterranean Europe, leaving small traces of those events until the present (Cerezo et al., 2012).

Recent lineages, that in the Founder Analysis were represented by a migration at 500 years, are the result of migrations and gene flow at a time of globalization, with easier means of transport-

tation and most importantly transportation through the land was not the most probable means of travel in most cases. It was at this time that occurred the Trans-Atlantic Slave trade, that carried over 10 million people out of Africa into the Americas and, in a smaller percentage, to Europe (Earle and Lowe, 2006; Salas et al., 2004; Thornton, 1998). As so, most of the lineages found are associated with the origin of the slaves and the place where they embarked. It is known that most ports were located in the Western coast of Africa, and only two were located in the South, more particularly in Angola and Mozambique (Figure 14), hence the majority of the lineages found in Europe, Iberia and the Americas having their founder located in the West of Africa. As observed in the Postglacial Period, the geographical proximity of Eastern and Northern Africa still has a large impact in many lineages found in Southwestern Asia, Europe and Iberia, respectively, as it is expected that continuous gene flow occurred in the last few thousand years (Botigué et al., 2013; Pereira et al., 2000). Nevertheless, the Western source dominates the analyses showing that the Slave Trade was likely the major source of L lineages in Europe and Iberia.

One source that was absent in the analyses for Postglacial lineages but emerges in recent migrations is Southern Africa, mainly associated with the Slave Trade, since European countries had colonies there that were used as a source of slaves. Iberia, in particular, has a higher percentage of South African lineages when compared to Europe as a whole. This is linked to the fact that the Portuguese colonies in Africa, Angola and Mozambique, located in South Africa, with the exception of Guinea-Bissau, in the West. The main ports of slave commercialization in Europe were in Portugal - Lisbon and Faro - leaving behind an important imprint of lineages in the Iberian population (Earle and Lowe, 2006; Hernández et al., 2015; Pereira et al., 2000). Again, it is important to point out that slave trade involved transportation of people through sea allowing the “jumping” Southern Africa into Europe and the Americas. Lineages in South America are mostly related with a source in Angola.

Taking into account the countries that colonized the Americas and Africa, we can see a correlation between the lineages found North and South America and the colonizing country that carried them. While in North America (Figure 19D), primarily colonized by Great Britain and Spain, we can see over 70% of Western lineages, where the ports in Africa were located, in South America (Figure 19E) there is a distribution of lineages between West and South Africa. South America was colonized mainly by Portugal and Spain and since Spain had almost no colonies in Africa, the slaves either came from the Portuguese colonies, located in the South, or the Western colonies, first of Portuguese rule and later most of which belonged to France as evident in Figure 14.

CONCLUSION

Founder Analysis has the purpose of identifying, scaling and dating the migration of a certain population to a new territory, taking into account the diversity of lineages originally from a specific geographic location, identified as the source, and that later settled in a new location, identified as the sink. In this work, we performed this analysis to verify the time-frames of major migrations involving Sub-Saharan African lineages to Southwestern Asia, Europe, Iberia, North and South America. After confirming that there was a clear distinction between pre-historical migrations, around 8000 years ago, and historical movements, around 500 years ago - in here primarily linked to Trans-Atlantic Slave Trade - we were able to pinpoint the general location of the lineages in the source, giving us a clear picture from where the mtDNA L lineages found nowadays in the sink populations were carried out from and possibly the reason why.

As expected, not considering the statistical errors and a few undetected source lineages, there are no pre-historical migrations to the Americas, opposed to the clear signals observed in Europe, Iberia and Southwestern Asia. After taking into account the historical records of the Trans-Atlantic Slave Trade, it was also expected the results here shown – most L lineages found in North America where carried from the West of Africa, where the main slave ports were located.

It was observed, in agreement with other genetic studies, that there were clear signs of pre-historical migrations to Europe, Iberia and Southwestern Asia, following the geographical proximity. Meaning that we observed lineages that arrived to Southwestern Asia from Eastern Africa, and to Iberia arrived from Western and Northern Africa and to Europe in general from Eastern, Central and Western African. This also supports the previously introduced theory that the Sahel Belt and North Africa were migratory corridors to enter Europe and Iberia following the Glacial Period.

In historical lineages, it was observed a major influence of South Africa both in Iberia and South America. As mentioned before, Portugal colonized Angola and Mozambique - located in the South of Africa - where there were two important ports for slave exportation, and Brazil, in South America. At the time, Portugal was one of the most influential nations of the world, alongside Spain, controlling not only the main potencies of the New World but also the most important Slave Trade

markets, Lisbon and Faro. As a consequence, most of the slaves carried from Angola and Mozambique either came to Portugal for trading or went directly to Brazil, leaving this way an important imprint in L lineages in Iberia and South America.

To conclude, the genetic studies associated with ancestry, such as Founder Analysis, help us to better understand what happened long before us. This work in particular gave a new insight to lesser-known facts related to the Trans-Atlantic Slave Trade and the genetic evidences left behind that are still present to this day.

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APPENDIXES

SUPPLEMENTARY FILE 1

Table S1 – Complete dataset analysed for mtDNA studies including the respective haplogroup and country

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
1113000068_S26	L0a1b1a1	Unknown	AY195784	L3b1a	South Africa
1113001753_S39	L2e	Unknown	AY195785	L2c5	South Africa
AF346967	L3e3b2	Unknown	AY195788	L2a2b1a	South Africa
AF346968	L1c1a1a1a	Unknown	AY195789	L1c1a1a1b1	South Africa
AF346969	L1c1a2b	Unknown	AY963585	L0f2a1	Uganda
AF346976	L2a1i1	Unknown	C-4	L1b1a+189	France
AF346977	L2a1a2	Unknown	C-56	L3f1b	France
AF346980	L3e1e1	Unknown	DQ282505	L1b1a7a	USA
AF346985	L0a1a2	Unknown	DQ282506	L1b1a7a	USA
AF346986	L1b1a3	Unknown	DQ282507	L3e1e2	USA
AF346987	L1c1d1	Unknown	DQ304897	L0a1b2	USA
AF346992	L1c2a1a	Unknown	DQ304898	L0a1b2	USA
AF346994	L3e2b7	Unknown	DQ304899	L0a1b1a	USA
AF346995	L2c3a	Unknown	DQ304900	L0a1b1	USA
AF346996	L1c1a2b	Unknown	DQ304901	L0a1a2	USA
AF346997	L1c1a1a1a	Unknown	DQ304902	L0a1a2	USA
AF346998	L0a2b	Unknown	DQ304903	L0a1a2	USA
AF346999	L0a2b	Unknown	DQ304904	L0a1a2	USA
AF347000	L3h1a2a1	Unknown	DQ304905	L1b1a3a	USA
AF347008	L0k1a1a	Unknown	DQ304906	L1b1a3a1	USA
AF347009	L0k1a1c	Unknown	DQ304907	L1b1a3b	USA
AF347014	L3d1a1a	Unknown	DQ304908	L1b1a3	USA
AF347015	L3e2b1a1	Unknown	DQ304909	L1b1a3	USA
AF381981	L2c1a	Mauritania	DQ304910	L1b1a3	USA
AF381988	L0a1b1	Morocco	DQ304911	L1b1a3a1	USA
AF381991	L3b1a	Mauritania	DQ304912	L1b1a3a	USA
AF381992	L1c3a	Mauritania	DQ304913	L1b1a3a	USA
AF381994	L1b1a5	Mauritania	DQ304914	L1b1a3a	USA
AF381998	L3d3b	Jordan	DQ304915	L1b1a3a	USA
ALP212	L2a1a2	Italy	DQ304916	L1b1a3	USA
AM711903	L0a2b	Unknown	DQ304917	L1b1a3	USA
AM711904	L0d1c1a1a	Unknown	DQ304918	L1b1a3a1	USA
AY195766	L2b1a3	South Africa	DQ304919	L1b1a	USA
AY195776	L2a1f	South Africa	DQ304920	L1b1a	USA
AY195777	L0d2a1a	South Africa	DQ304921	L1b1a7	USA
AY195780	L0a1a2	South Africa	DQ304922	L1b1a	USA
AY195782	L3d1d	South Africa	DQ304923	L1b1a7	USA
AY195783	L1b1a4a	South Africa	DQ304924	L2a1a	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
DQ304925	L2a1a1	USA	DQ304963	L2a1f1	USA
DQ304926	L2a1a	USA	DQ304964	L2a1f1	USA
DQ304927	L2a1a2c	USA	DQ304965	L2a1f	USA
DQ304928	L2a1a	USA	DQ304966	L2a1f	USA
DQ304929	L2a1e1	USA	DQ304967	L2a1f1	USA
DQ304930	L2a1e1	USA	DQ304968	L2a1a2	USA
DQ304931	L2a1e1	USA	DQ304969	L2a1a2a1a	USA
DQ304932	L2a1a	USA	DQ304970	L2a1a2a1a	USA
DQ304933	L2a1a1	USA	DQ304971	L2a1a2	USA
DQ304934	L2a1f1a	USA	DQ304972	L2a1a2b	USA
DQ304935	L2a1f	USA	DQ304973	L2a1a2b	USA
DQ304936	L2a1f	USA	DQ304974	L2a1a2a1a	USA
DQ304937	L2a1f1	USA	DQ304975	L2a1a2a	USA
DQ304938	L2a1m1a	USA	DQ304976	L2a1a2a1a	USA
DQ304939	L2a1l1a	USA	DQ304977	L2a1a2	USA
DQ304940	L2a1m1	USA	DQ304978	L2b1a3	USA
DQ304941	L2a1n	USA	DQ304979	L2b1a3	USA
DQ304942	L2a1c4a	USA	DQ304980	L2b1a3	USA
DQ304943	L2a1c4a	USA	DQ304981	L2b1a	USA
DQ304944	L2a1c	USA	DQ304982	L2b1a3	USA
DQ304945	L2a1e	USA	DQ304983	L2b1a3	USA
DQ304946	L2a1e1	USA	DQ304984	L2b1a3	USA
DQ304947	L2a1e1	USA	DQ304985	L2b1a2	USA
DQ304948	L2a1a3b	USA	DQ304986	L2c2	USA
DQ304949	L2a1c	USA	DQ304987	L2c2a1	USA
DQ304950	L2a1c4a1	USA	DQ304988	L2c2a	USA
DQ304951	L2a1c4a1	USA	DQ304989	L2c2	USA
DQ304952	L2a1f	USA	DQ304990	L3b1a3	USA
DQ304953	L2a1f	USA	DQ304991	L3b1a11	USA
DQ304954	L2a1f	USA	DQ304992	L3b1a11	USA
DQ304955	L2a1f1	USA	DQ304993	L3b1a5	USA
DQ304956	L2a1f	USA	DQ304994	L3b1a1a	USA
DQ304957	L2a1f2	USA	DQ304995	L3b1a1a	USA
DQ304958	L2a1f1a	USA	DQ304996	L3b1a	USA
DQ304959	L2a1f	USA	DQ304997	L3b1a	USA
DQ304960	L2a1f1	USA	DQ304998	L3e2b+152	USA
DQ304961	L2a1f1	USA	DQ304999	L3e2b+152	USA
DQ304962	L2a1f	USA	DQ305000	L3e2b4	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
DQ305001	L3e2b+152	USA	DQ341060	L5a1a	Ethiopia
DQ305002	L3e2b+152	USA	DQ341061	L5b1a	Ethiopia
DQ305003	L3e2b+152	USA	DQ341062	L2d1a	Ethiopia
DQ305004	L3e2b+152	USA	DQ341063	L6b	Ethiopia
DQ305005	L3e2b+152	USA	DQ341064	L4a1a	Ethiopia
DQ305006	L3e2b+152	USA	DQ341065	L4b2a1	Ethiopia
DQ305007	L3e2b+152	USA	DQ341066	L3x2a1	Ethiopia
DQ305008	L3e2b3	USA	DQ341067	L3x1b	Ethiopia
DQ305009	L3e2b3	USA	DQ341068	L3i2	Ethiopia
DQ305010	L3e3b	USA	DQ341069	L3i1b	Ethiopia
DQ305011	L3e3b	USA	DQ341070	L3e5e	Ethiopia
DQ305012	L3e3a	USA	DQ341071	L3e2b	Ethiopia
DQ305013	L3e3b1	USA	DQ341072	L3d1b1	Ethiopia
DQ305014	L3e3a	USA	DQ341073	L3b1a7a	Ethiopia
DQ305015	L3e3b	USA	DQ341074	L3c	Ethiopia
DQ305016	L3e3b	USA	DQ341075	L3f3b	Ethiopia
DQ305017	L3e3b1	USA	DQ341076	L3f2a1a	Ethiopia
DQ305018	L3e2b8	USA	DQ341077	L3f1b+16292	Ethiopia
DQ305019	L3e2b8	USA	DQ341078	L3f1a1	Ethiopia
DQ305020	L3e2b8	USA	DQ341079	L3h1b1	Ethiopia
DQ305021	L3e2b1a1	USA	DQ341080	L3h2	Ethiopia
DQ305022	L3e2b1	USA	DQ341081	L3a1b	Ethiopia
DQ305023	L3e2b1a1	USA	EF177417	L2a1c6	Portugal
DQ305024	L3e2a1b1	USA	EF184582	L5b1	Tanzania
DQ305025	L3e2a1b3	USA	EF184585	L0d3a	Tanzania
DQ305026	L3e2a1a	USA	EF184586	L0d1b2a1	Tanzania
DQ305027	L3e2a1a	USA	EF184587	L0d3a	Tanzania
DQ305028	L3e2a1b1	USA	EF184588	L0d3a	Tanzania
DQ305029	L3e2a1b	USA	EF184589	L0d3a	Tanzania
DQ305030	L3e2a1b1	USA	EF184590	L0d1b2a1	South Africa
DQ305031	L3e2a1b1	USA	EF184591	L0d2c1	South Africa
DQ305032	L3f1b1a	USA	EF184592	L0d1c1a1a	South Africa
DQ305033	L3f1b1a	USA	EF184593	L0d1c3	South Africa
DQ305034	L3f1b1a	USA	EF184594	L0d1c1a1b	South Africa
DQ305035	L3f1b1a	USA	EF184595	L0f	Tanzania
DQ305036	L3f1b1a	USA	EF184596	L0f2a	Tanzania
DQ341058	L0a2a2a	Dominican Republic	EF184597	L0f2a1	Tanzania
DQ341059	L1c2b1a'b	Ethiopia	EF184598	L0f	Tanzania

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EF184599	L0f2a	Tanzania	EF556171	L3x1a	Israel
EF184600	L0f	Tanzania	EF556173	L5a1a	Israel
EF184601	L0a1c1	Tanzania	EF556174	L0a2c	Israel
EF184602	L0a2	Tanzania	ESP0167	L3e4a	Spain
EF184603	L0a2a1a	Tanzania	ESP0191	L3d1b3a	Spain
EF184604	L0a2	Tanzania	ESP0225	L2a1c1	Spain
EF184605	L0a2a2a	Tanzania	ESP0297	L3e5a	Spain
EF184606	L0a2	Tanzania	ESP0313	L2a1c3a	Spain
EF184607	L0a2	Tanzania	ESP0413	L4b2b	Spain
EF184608	L0a2	Tanzania	ESP0702	L1b1a+189	Spain
EF184609	L0k1a1	South Africa	ESP0714	L3b1a+@16124	Spain
EF184610	L0k1a1b	South Africa	ESP0813	L1b1a6	Spain
EF184611	L0k1a1a	South Africa	ESP0922	L3b1b1	Spain
EF184612	L1c3b1a	Tanzania	ESP0926	L2c5	Spain
EF184613	L1c1a2b	Cameroon	ESP0928	L2a1c+16129	Spain
EF184614	L1c1a2b	Cameroon	ESP0954	L1b1a14	Spain
EF184615	L1c1a2b	Cameroon	ESP0969	L1b1a6	Spain
EF184616	L1c1a1a1a	Cameroon	ESP0975	L3e2b	Spain
EF184617	L2a1c5	Tanzania	ESP1024	L3e1f	Spain
EF184618	L2a1+143	Tanzania	EU092658	L2a1+143+16189	Israel
EF184619	L2a1+143	Tanzania	EU092659	L2a1+143+16189	Israel
EF184620	L2a1+143	Tanzania	EU092660	L3c	Israel
EF184621	L2d1a	Tanzania	EU092661	L2b3c	Israel
EF184622	L3h1a2	Tanzania	EU092662	L4b2a2a	Israel
EF184623	L3d1a1a	Tanzania	EU092663	L2a1c3a	Israel
EF184624	L3h1a2	Tanzania	EU092664	L2b1a2	Israel
EF184625	L3a1a	Tanzania	EU092665	L0a1a	Israel
EF184627	L4b2a2	Tanzania	EU092666	L3x1+16311	Israel
EF184628	L3d1a1a1	Tanzania	EU092667	L1b1a16	Israel
EF184629	L4b2a1	Tanzania	EU092668	L0f2a1	Israel
EF184630	L3a1a	Tanzania	EU092669	L3b1a2	Israel
EF184631	L3h1a2a1	Tanzania	EU092670	L0a1d	Israel
EF184632	L3h1a2a1	Tanzania	EU092671	L2a1p	Israel
EF184633	L4b2a2c	South Africa	EU092672	L1b1a2	Israel
EF184639	L4b2a2	Tanzania	EU092673	L6b	Israel
EF184640	L4b2a2b	Tanzania	EU092674	L2a1+143+16189	Israel
EF184641	L3d1a1a	Tanzania	EU092675	L3e1b1	Israel
EF556166	L3h1a2a1	Israel	EU092676	L2a1h	Israel

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EU092677	L3e3a	Israel	EU092715	L1b1a4a	Guinea-Bissau
EU092678	L4a1a	Israel	EU092716	L1b1a6	Guinea-Bissau
EU092679	L2a1+143+16189	Israel	EU092717	L1c1c	Guinea-Bissau
EU092680	L3f1b+16292	Israel	EU092718	L1c3a1a	Guinea-Bissau
EU092681	L3e1b1	Israel	EU092719	L2a1i	Guinea-Bissau
EU092682	L3b1b1	Israel	EU092720	L2a1c3b1	Guinea-Bissau
EU092683	L2a1c+16129	Israel	EU092721	L2a1I2	Guinea-Bissau
EU092684	L3x2a1a	Israel	EU092722	L2b1a2	Guinea-Bissau
EU092685	L3e1	Israel	EU092723	L2c	Guinea-Bissau
EU092686	L6b	Israel	EU092724	L2e	Guinea-Bissau
EU092687	L2a1I2a	Israel	EU092725	L3b2a	Guinea-Bissau
EU092688	L0a1b1a1	Mozambique	EU092726	L3b1a	Guinea-Bissau
EU092689	L1c3b1b	Mozambique	EU092727	L3b1a9a	Guinea-Bissau
EU092690	L2a1b1a	Mozambique	EU092728	L3d1b1	Guinea-Bissau
EU092691	L2a1a2	Mozambique	EU092729	L3e2a3	Guinea-Bissau
EU092692	L2b2	Mozambique	EU092730	L3e2b	Guinea-Bissau
EU092693	L3e1d1a	Mozambique	EU092731	L3e4a1	Guinea-Bissau
EU092694	L3b1a11	Mozambique	EU092732	L3f1b+16292	Guinea-Bissau
EU092695	L3e4a	Mozambique	EU092733	L2a1c	Guinea-Bissau
EU092696	L3f1b1a	Mozambique	EU092734	L2b3b	Guinea-Bissau
EU092697	L2c2	Mozambique	EU092735	L3d2b	Guinea-Bissau
EU092698	L3e1b2	Mozambique	EU092736	L3h1b2	Guinea-Bissau
EU092699	L5a2	Mozambique	EU092737	L1b1a9	Syria
EU092700	L0d2a1	Mozambique	EU092738	L1c2b2	Syria
EU092701	L0a2a2a	Mozambique	EU092739	L2a1o	Syria
EU092702	L3d1a1a	Mozambique	EU092740	L3e1c	Syria
EU092703	L1c3a	Mozambique	EU092741	L3f1b+16292	Syria
EU092704	L3f1b4c	Mozambique	EU092742	L3d4a	Syria
EU092705	L2a1b1a	Mozambique	EU092743	L4b2a2a	Syria
EU092706	L3e3a	Mozambique	EU092744	L3b1a2	Syria
EU092707	L1c2a1a	Mozambique	EU092745	L0a2a2a	Saudi Arabia
EU092708	L0d2c1	Mozambique	EU092746	L0a1b2a	Saudi Arabia
EU092709	L3e1a3a	Mozambique	EU092747	L2b1	Saudi Arabia
EU092710	L2c2b1b	Netherlands	EU092748	L4a1a	Saudi Arabia
EU092711	L2a1a3	Portugal	EU092749	L3e1a1a	Saudi Arabia
EU092712	L1c2b1c	Portugal	EU092750	L4b2a2	Saudi Arabia
EU092713	L1b1a3a	Portugal	EU092751	L3f1b+16292	Lebanon
EU092714	L0a1a1	Guinea-Bissau	EU092752	L3e4	Lebanon

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EU092753	L3h1a2b	Lebanon	EU092791	L3f1b4a1	Oman
EU092754	L2c2	Lebanon	EU092792	L0k2b	Yemen
EU092755	L1b1a15	Jordan	EU092793	L2a1+143+16189	Yemen
EU092756	L2a1j	Jordan	EU092794	L2d1a	Yemen
EU092757	L3e1	Jordan	EU092795	L3b1a2	Yemen
EU092758	L3f1b2a	Jordan	EU092796	L3d1a	Yemen
EU092759	L3b1a4	Jordan	EU092797	L3d1a1a	Yemen
EU092760	L0a1c1	Iran	EU092798	L3h1a2a1	Yemen
EU092761	L2a1b	Egypt	EU092799	L4a2	Yemen
EU092762	L3d1c	Egypt	EU092800	L4a2	Yemen
EU092763	L0a1a+200	Egypt	EU092801	L0a1d	Yemen
EU092764	L0a1a	Egypt	EU092802	L6a	Yemen
EU092765	L2a1d1	Egypt	EU092803	L6a	Yemen
EU092766	L2b1	Egypt	EU092804	L2a1a2	Yemen
EU092767	L3b1a+@16124	Egypt	EU092805	L3f1b2	Yemen
EU092768	L3b1a+@16124	Egypt	EU092806	L2a1+16189	Morocco
EU092769	L3e2a	Egypt	EU092807	L2a1l1a	Morocco
EU092770	L3f2b	Egypt	EU092808	L4b1a	Yemen
EU092771	L3f1b+16292	Egypt	EU092809	L0a1d	Yemen
EU092772	L3h1a2b	Egypt	EU092810	L0a1d	Yemen
EU092773	L6a	Egypt	EU092811	L1c3b1a	Morocco
EU092774	L5b1b	Egypt	EU092812	L2a1l1a1	Morocco
EU092775	L1b1a2a	Egypt	EU092813	L2c1a	Morocco
EU092776	L3e5	Egypt	EU092814	L3b1b	Morocco
EU092777	L3e2b2	Egypt	EU092815	L3b1a+152	Morocco
EU092778	L2a1a2a1a	Egypt	EU092816	L2a1j	Morocco
EU092779	L3b1a1a	Kuwait	EU092817	L2d+16129	Algeria
EU092780	L4b2a2b	Kuwait	EU092818	L3x2b	Algeria
EU092781	L5a1a	Kuwait	EU092819	L0a1a2	Algeria
EU092782	L2a1+143+16189	Oman	EU092820	L3b1a	Libya
EU092783	L2a1f	Oman	EU092821	L3e5a1	Libya
EU092784	L3e2b2	Oman	EU092822	L3k	Libya
EU092785	L3e2b2	Oman	EU092823	L2a1+143+16189	Libya
EU092786	L0f2b	Oman	EU092824	L3k1	Tunisia
EU092787	L0a2a2a	Oman	EU092825	L3b1a9a	Tunisia
EU092788	L3i2	Oman	EU092826	L3b1a3	Tunisia
EU092789	L3e3a	Oman	EU092827	L3e1	Tunisia
EU092790	L3e1a3a	Oman	EU092828	L3h1b1	Tunisia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EU092829	L2a1a2a1a	Tunisia	EU092867	L3e1a2	South Africa
EU092830	L3d1c1	Tunisia	EU092868	L0a2a1a2	South Africa
EU092831	L0d1c3	South Africa	EU092869	L0a1b1a1	South Africa
EU092832	L0d1c1a1b	South Africa	EU092870	L0f1	South Africa
EU092833	L0d1a1b	South Africa	EU092871	L0a1b1a1	South Africa
EU092834	L0d1c2	South Africa	EU092872	L2a1a2a1a	South Africa
EU092835	L0d2a1	South Africa	EU092873	L1c2a1a	South Africa
EU092836	L1c1d1	South Africa	EU092874	L0f1	South Africa
EU092837	L0k1a1	South Africa	EU092875	L3e1a2	South Africa
EU092838	L4b2a2c	South Africa	EU092876	L3d1a1b	South Africa
EU092839	L0d2a1a	South Africa	EU092877	L3f2b	South Africa
EU092840	L0d2b2	South Africa	EU092878	L0a1b	Chad
EU092841	L0d1b2b2a	South Africa	EU092879	L3e1c	Chad
EU092842	L0d3b1	South Africa	EU092880	L3e1c	Chad
EU092843	L0d1c1a1a	South Africa	EU092881	L0a1a+200	Chad
EU092844	L0d2c1a1	South Africa	EU092882	L2a2a1	Chad
EU092845	L0d2c1a1	South Africa	EU092883	L3f1b3	Chad
EU092846	L0d2a1a	South Africa	EU092884	L1b1a10a	Chad
EU092847	L3e1a2	South Africa	EU092885	L3e1c	Chad
EU092848	L1c2a3	South Africa	EU092886	L3h1b1a	Chad
EU092849	L1c2b1b	South Africa	EU092887	L3e1	Chad
EU092850	L1c2a3	South Africa	EU092888	L5a1b	Chad
EU092851	L3d3a1a	South Africa	EU092889	L0a1b	Chad
EU092852	L1b1a10b	South Africa	EU092890	L2a1a3a	Chad
EU092853	L0k1a2	South Africa	EU092891	L3f1a	Chad
EU092854	L2b1a3	South Africa	EU092892	L0a1a+200	Chad
EU092855	L0k1a2	South Africa	EU092893	L1b1a10a	Chad
EU092856	L0d1c1a1a	South Africa	EU092894	L3f3a	Chad
EU092857	L3f1b1a1	South Africa	EU092895	L3e3b	Chad
EU092858	L0a1b1a1	South Africa	EU092896	L2a2a	Chad
EU092859	L0d1c1a1b	South Africa	EU092897	L3b1a10	Chad
EU092860	L0d1c1a1b	South Africa	EU092898	L3d1'2'3'4'5'6	Chad
EU092861	L0a2a1b	South Africa	EU092899	L3d1b	Chad
EU092862	L3e1d1	South Africa	EU092900	L0a3	Chad
EU092863	L0d1a1a3	South Africa	EU092901	L2a1c	Chad
EU092864	L1c2a2	South Africa	EU092902	L2a2a1	Chad
EU092865	L3f1b4a	South Africa	EU092903	L3h1b1a	Chad
EU092866	L1c3a	South Africa	EU092904	L3b1a	Chad

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EU092905	L2a1a3a	Chad	EU092943	L5a1b	Ethiopia
EU092906	L0a4	Chad	EU092944	L3x2a	Ethiopia
EU092907	L3e3a	Chad	EU092945	L0a1c1	Ethiopia
EU092908	L3d1a1a	Kenya	EU092946	L2a1+143	Ethiopia
EU092909	L0a1b1a1	Kenya	EU092947	L3h1b1a	Ethiopia
EU092910	L2a1b1a	Kenya	EU092948	L1b1a2a	Ethiopia
EU092911	L0a2a1a2	Kenya	EU092949	L4a2	Ethiopia
EU092912	L3f1b4a1	Kenya	EU092950	L0a1d	Ethiopia
EU092913	L0a2d	Kenya	EU092951	L4b2a2b	Ethiopia
EU092914	L2a1h	Kenya	EU092952	L1b1a2a	Ethiopia
EU092915	L3e1e1	Kenya	EU092953	L3f1b2a	Ethiopia
EU092916	L2a1a	Kenya	EU092954	L2a1c1a2	Ethiopia
EU092917	L3e2b	Kenya	EU092955	L2c2a	Unknown
EU092918	L3b1a+152	Kenya	EU092956	L1c3a1b	Unknown
EU092919	L2a1b1a	Jordan	EU092957	L2c2a	Unknown
EU092920	L3x2a1a	Jordan	EU092958	L3b1a6	Unknown
EU092921	L0d3a	Kuwait	EU092959	L3e5b	Unknown
EU092922	L2a1+143+@16309	Kuwait	EU092960	L3e1a3b	Gambia
EU092923	L3i1b	Kuwait	EU092961	L2a1f1	Unknown
EU092924	L6a	Saudi Arabia	EU092962	L3b1a5	Unknown
EU092925	L0a2a2a	Yemen	EU092963	L0a1b2	Unknown
EU092926	L3e2a2	Yemen	EU092964	L0f2a	Unknown
EU092927	L2a1d1	Oman	EU092965	L0d1b2b1a	Unknown
EU092928	L1b1a5	Tunisia	EU092966	L0k1a1a	Unknown
EU092929	L1b1a5	Egypt	EU200759	L3d1b1b	Poland
EU092930	L3b1a1a	Cyprus	EU200760	L2a1k	Czech Rep
EU092931	L3b1a1a	Cyprus	EU200761	L3b1b1	Russia
EU092932	L3d1a1a1	Pakistan	EU200762	L2a1c3a	Slovenia
EU092933	L2a1a2	Pakistan	EU200763	L2a1k	Slovenia
EU092934	L5b1a	Pakistan	EU200764	L1b1a12b	Russia
EU092935	L4a2	Pakistan	EU273476	L1c1a2b	Cameroon
EU092936	L0b	Ethiopia	EU273477	L1c1a1a1a	Cameroon
EU092937	L2a1m1	Ethiopia	EU273478	L1c1a1a1b1	Cameroon
EU092938	L4b2a2a	Ethiopia	EU273479	L1c1a2a1	Gabon
EU092939	L2a1d1	Ethiopia	EU273480	L1c1a1a1b	Gabon
EU092940	L1b1a2a	Ethiopia	EU273481	L1c1a1a1b	Gabon
EU092941	L3a2a	Ethiopia	EU273482	L1c1a1a1b1	Gabon
EU092942	L4b2a1	Ethiopia	EU273483	L1c1a1a1a	Gabon

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
EU273484	L1c1a1a2	Cameroon	EU935437	L0a1b1a	Egypt
EU273485	L1c1a1a1b1	Cameroon	EU935440	L3b2a	Egypt
EU273486	L1c1d1	Gabon	EU935443	L2a1c5	Egypt
EU273487	L1c1a2b	Gabon	EU935449	L3b1a2	Egypt
EU273488	L1c3b1a	Gabon	EU935451	L3f1b2a	Egypt
EU273489	L1c6	Gabon	EU935458	L1c3a1a	Egypt
EU273490	L1c1a1a1a	Gabon	EU935462	L1c3a1a	Egypt
EU273491	L1c1a1b	Gabon	EU935464	L0a1b1a	Egypt
EU273492	L1c1a1a1b	Gabon	EU935465	L3e2b7	Egypt
EU273493	L1c3c	Gabon	EU935467	L0a1b1a	Egypt
EU273494	L1c1a1a1b	Gabon	FJ157838	L0a2a2	India
EU273495	L1c1a1a1b	Gabon	FJ157839	L0a2a2	India
EU273496	L1c1a2a1	Gabon	FJ157840	L0a2a2	India
EU273497	L1c1a1a1b	Gabon	FJ228403	L2b1b	Senegal
EU273498	L1c1a1a1a	Gabon	FJ460520	L2a1+143+@16309	Tunisia
EU273499	L1c1b1	Gabon	FJ460522	L1b1a13	Tunisia
EU273500	L1c1a1a2	Cameroon	FJ460523	L2e1a	Tunisia
EU273501	L1c2a2	Cameroon	FJ460526	L2b3c	Tunisia
EU273502	L1c4a	Gabon	FJ460527	L2a1+143+16189	Tunisia
EU547188	L2a1l2a	Poland	FJ460529	L3b1a3	Tunisia
EU564850	L2a1l2a1	unknown	FJ460531	L4a1	Tunisia
EU597489	L1c1a2a1	Congo	FJ460533	L3e5d	Tunisia
EU597490	L3b1a1a	Kenya	FJ460535	L2b1a3	Tunisia
EU597491	L2a1+143+16189	Israel	FJ460536	L3b1a4	Tunisia
EU597500	L3d5a	Nigeria	FJ460537	L1b1a12a	Tunisia
EU597501	L1c1a1a1b1	Congo	FJ460540	L3d4a	Tunisia
EU597502	L0d1b2b2b1	Africa	FJ460549	L2a1c4a	Tunisia
EU597512	L3d2b	Nigeria	FJ460560	L2a1c1	Tunisia
EU597513	L1c1a1a1b	Congo	FJ625845	L3f1a1	Chad
EU597514	L0d1a1a1	Africa	FJ625846	L3f3	Chad
EU597525	L2a2b1a	Congo	FJ625847	L3f3	Chad
EU597526	L3d3a1a	South Africa	FJ625848	L3f3	Chad
EU597537	L0a2b	Africa	FJ625849	L3f3	Chad
EU597549	L2a2b1a	Congo	FJ625850	L3f3b	Chad
EU597561	L2a1f3	Kenya	FJ625851	L3f3	Chad
EU597570	L2d+16129	Latin America	FJ625852	L3f3b	Chad
EU597572	L1c2a1a	Congo	FJ625853	L3f3	Chad
EU935434	L0a1b1a	Egypt	FJ625854	L3f3a	Chad

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
FJ625855	L3f3a	Chad	HG01456	L3e2a1b3	Colombia
FJ625856	L3f3	Chad	HG01551	L3e4a	Colombia
FJ625857	L3f3b	Chad	HG01607	L1b1a6	Spain
FJ625858	L3f3b	Chad	HG01761	L3d1b1	Spain
FJ625859	L3f3b	Chad	HG02006	L3e3b1	Peru
FJ625860	L3f1b+16292	Chad	HG02304	L3f1b+16292+150	Peru
FJ713601	L1c1d1	Unknown	HG02439	L2a1a2b	Barbados
FJ769771	L2a11a	Bahamas	HG02455	L2a1c5	Barbados
GFM037	L1b1a5	Greece	HG02461	L3b1a	Gambia
GU056815	L3e1	USA	HG02462	L2c5	Gambia
GU455415	L3f1b5	Morocco	HG02464	L3e4a	Gambia
GU455416	L3e2b	Morocco	HG02465	L3b2a	Gambia
GU455417	L3d4	Morocco	HG02476	L2a1f1	Barbados
GU455418	L3h1b2	Morocco	HG02477	L1b1a9	Barbados
GU455419	L3f	Morocco	HG02481	L2a1f2	Barbados
GU455420	L3d4	Morocco	HG02501	L2a1a	Barbados
GU455421	L3b1	Morocco	HG02502	L2a1c	Barbados
GU455422	L3f1b5	Morocco	HG02505	L2c1	Barbados
HG00554	L1b1a3	Puerto Rico	HG02536	L2d+16129	Barbados
HG00740	L1b1a7a	Puerto Rico	HG02541	L3f1b4a	Barbados
HG01063	L3e2b+152	Puerto Rico	HG02545	L2d1	Barbados
HG01073	L3e1e2	Puerto Rico	HG02546	L2a1c5	Barbados
HG01080	L1c3b1a	Puerto Rico	HG02549	L2a1c5	Barbados
HG01095	L3e1e2	Puerto Rico	HG02554	L2a1i1	Barbados
HG01108	L0a1a2	Puerto Rico	HG02555	L2b	Barbados
HG01170	L3e1e2	Puerto Rico	HG02557	L2a1f1	Barbados
HG01176	L1b1a3	Puerto Rico	HG02558	L3d1'2'3'4'5'6	Barbados
HG01188	L2b1a3	Puerto Rico	HG02561	L1b2	Gambia
HG01286	L2a11b	Puerto Rico	HG02562	L1b1a7a	Gambia
HG01323	L3e1e2	Puerto Rico	HG02568	L2a1l	Gambia
HG01326	L3e1e2	Puerto Rico	HG02570	L4b1a	Gambia
HG01362	L3b1a+@16124	Colombia	HG02571	L1b1a14	Gambia
HG01363	L2a1a2c	Colombia	HG02573	L3e2a3	Gambia
HG01365	L3e1a	Colombia	HG02574	L3d2a	Gambia
HG01378	L1c3b1	Colombia	HG02577	L2a1b1	Barbados
HG01389	L1c3a1b	Colombia	HG02580	L1b1a15	Barbados
HG01403	L2b1a	Puerto Rico	HG02582	L3k1	Gambia
HG01414	L3e2b3	Puerto Rico	HG02583	L3d1a1b	Gambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HG02585	L3d2b	Gambia	HG02769	L3e4a1	Gambia
HG02586	L3d1b1b	Gambia	HG02771	L3d1'2'3'4'5'6	Gambia
HG02588	L2a1a	Gambia	HG02772	L1b1a7	Gambia
HG02589	L1b1a	Gambia	HG02798	L3d1a1b	Gambia
HG02594	L3b1a	Gambia	HG02799	L2d+16129	Gambia
HG02595	L2b	Gambia	HG02804	L2b	Gambia
HG02610	L3d1	Gambia	HG02805	L3h1b2	Gambia
HG02611	L1c1c	Gambia	HG02807	L3e2b	Gambia
HG02613	L3b1	Gambia	HG02808	L2a1c	Gambia
HG02614	L3h1b2	Gambia	HG02810	L3b1a5	Gambia
HG02620	L2a1I2	Gambia	HG02811	L1b1a4	Gambia
HG02623	L3b1	Gambia	HG02813	L3b2a	Gambia
HG02624	L2c	Gambia	HG02814	L2c	Gambia
HG02628	L3d1b1	Gambia	HG02817	L3e3b	Gambia
HG02629	L2a1I2	Gambia	HG02819	L2a1c2	Gambia
HG02634	L3b2b	Gambia	HG02820	L1b2a	Gambia
HG02635	L1b1a14	Gambia	HG02836	L2c2	Gambia
HG02642	L2c	Gambia	HG02837	L2b	Gambia
HG02643	L2c5	Gambia	HG02839	L3e2a	Gambia
HG02645	L2b	Gambia	HG02840	L1b1a4	Gambia
HG02646	L1b1a+189	Gambia	HG02851	L2a1c3b	Gambia
HG02666	L3e4a	Gambia	HG02852	L2a1a	Gambia
HG02667	L2c5	Gambia	HG02854	L3b1a+@16124	Gambia
HG02675	L3d3a	Gambia	HG02855	L1b1a4	Gambia
HG02676	L2a1a3	Gambia	HG02860	L2a1a	Gambia
HG02678	L1b2	Gambia	HG02861	L2a1c3a1	Gambia
HG02679	L2a1c	Gambia	HG02870	L2a1a3	Gambia
HG02702	L3d1b1	Gambia	HG02878	L2c4	Gambia
HG02703	L2c	Gambia	HG02879	L2c	Gambia
HG02715	L2c5	Gambia	HG02881	L2d+16129	Gambia
HG02716	L2a1I2	Gambia	HG02882	L2c	Gambia
HG02721	L3b1a9a	Gambia	HG02885	L2a1f	Gambia
HG02722	L3b2a	Gambia	HG02887	L2b1a2	Gambia
HG02756	L2c4	Gambia	HG02888	L2c	Gambia
HG02757	L2c4	Gambia	HG02890	L3e2a3	Gambia
HG02759	L2c1	Gambia	HG02891	L1b1a4	Gambia
HG02760	L2b1a	Gambia	HG02895	L2a1c3a1	Gambia
HG02768	L3d1b1	Gambia	HG02896	L2c5	Gambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HG02922	L2a1a1	Nigeria	HG03066	L1b2a	Sierra Leone
HG02923	L3f1b1a	Nigeria	HG03069	L2c2	Sierra Leone
HG02938	L3e2a	Nigeria	HG03072	L2c	Sierra Leone
HG02941	L2a1a2a1a	Nigeria	HG03073	L1b1a9	Sierra Leone
HG02943	L3e3b	Nigeria	HG03074	L2c3	Sierra Leone
HG02944	L3e2a1b1	Nigeria	HG03077	L1c1d	Sierra Leone
HG02946	L3f1b3	Nigeria	HG03078	L2a1c	Sierra Leone
HG02947	L3e1a3b	Nigeria	HG03079	L1b1a18	Sierra Leone
HG02952	L2b1b	Nigeria	HG03081	L3e4a	Sierra Leone
HG02953	L3d2b	Nigeria	HG03082	L3e3b	Sierra Leone
HG02968	L3e2b+152	Nigeria	HG03084	L0a1a3	Sierra Leone
HG02970	L2d1a	Nigeria	HG03085	L2a1l	Sierra Leone
HG02971	L0a1a2	Nigeria	HG03086	L3b3	Sierra Leone
HG02973	L3e2b1a2	Nigeria	HG03088	L2a1c3b1	Sierra Leone
HG02974	L1b1a3	Nigeria	HG03091	L2c	Sierra Leone
HG02976	L3e1a	Nigeria	HG03095	L3b1a5	Sierra Leone
HG02977	L2a1a3c	Nigeria	HG03096	L1c1c	Sierra Leone
HG02979	L2a1f	Nigeria	HG03097	L2a1l	Sierra Leone
HG02981	L0a1a2	Nigeria	HG03099	L1b1a+189	Nigeria
HG02982	L2b1a	Gambia	HG03100	L3d1d	Nigeria
HG02983	L1c3a1a	Gambia	HG03103	L1b1a15	Nigeria
HG03024	L3h1b2	Gambia	HG03105	L3e3b	Nigeria
HG03025	L3e4a1	Gambia	HG03108	L3b1a	Nigeria
HG03027	L3e2a3	Gambia	HG03109	L1b1a3	Nigeria
HG03039	L3b1a+@16124	Gambia	HG03111	L3f1b3	Nigeria
HG03040	L3d1b1	Gambia	HG03112	L1b1a3	Nigeria
HG03045	L3h1b2	Gambia	HG03114	L2a1a2c	Nigeria
HG03046	L2b1a2	Gambia	HG03115	L3e2b1a2	Nigeria
HG03048	L2c1a	Gambia	HG03117	L2a1c1a2	Nigeria
HG03049	L2c	Gambia	HG03118	L3e1a	Nigeria
HG03052	L1b1a4	Sierra Leone	HG03120	L1b1a3	Nigeria
HG03054	L3b1	Sierra Leone	HG03123	L2a1a2	Nigeria
HG03055	L3b1	Sierra Leone	HG03124	L3b1a	Nigeria
HG03057	L1b1a	Sierra Leone	HG03126	L3e1a3b	Nigeria
HG03058	L1b1a14	Sierra Leone	HG03127	L0a1a2	Nigeria
HG03061	L3e2b1a	Sierra Leone	HG03129	L3d2a	Nigeria
HG03063	L0a1a+200	Sierra Leone	HG03130	L2e1a	Nigeria
HG03064	L2a1i	Sierra Leone	HG03132	L2a1b1	Nigeria

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HG03133	L1c2b1c	Nigeria	HG03291	L2b1a	Nigeria
HG03135	L2a1f1	Nigeria	HG03294	L3b1b	Nigeria
HG03136	L1b1a3	Nigeria	HG03295	L1b1a	Nigeria
HG03139	L4b2b	Nigeria	HG03297	L2a1f1	Nigeria
HG03157	L2c2a1	Nigeria	HG03298	L0a1a2	Nigeria
HG03159	L2a1f	Nigeria	HG03300	L1c2b1a'b	Nigeria
HG03160	L3e2b8	Nigeria	HG03301	L3e2a1b1	Nigeria
HG03162	L3f1b+16292+150	Nigeria	HG03303	L3f1b4c	Nigeria
HG03163	L2a1f1	Nigeria	HG03304	L3e2b8	Nigeria
HG03166	L1b1a3b	Nigeria	HG03311	L1b1a	Nigeria
HG03168	L1c2a1	Nigeria	HG03313	L1c2a2	Nigeria
HG03169	L2a1a3c	Nigeria	HG03343	L1c3a	Nigeria
HG03172	L3f1b1a	Nigeria	HG03351	L1b1a	Nigeria
HG03175	L3e2a1b1	Nigeria	HG03352	L3e2b1a1	Nigeria
HG03189	L4b2b	Nigeria	HG03354	L2c2b1a	Nigeria
HG03190	L3e1a	Nigeria	HG03363	L1c2b1b	Nigeria
HG03193	L3f1b1a	Nigeria	HG03366	L3d1b2	Nigeria
HG03195	L3e2b1	Nigeria	HG03367	L2e1a	Nigeria
HG03196	L3e1	Nigeria	HG03369	L3e3b	Nigeria
HG03198	L3d5a	Nigeria	HG03370	L3b1a	Nigeria
HG03199	L2a1f	Nigeria	HG03372	L3e3b	Nigeria
HG03202	L2a1b1	Nigeria	HG03376	L2c	Sierra Leone
HG03209	L2e	Sierra Leone	HG03378	L3e3b	Sierra Leone
HG03212	L3e4a1	Sierra Leone	HG03380	L1c1c	Sierra Leone
HG03224	L3d2	Sierra Leone	HG03382	L2a1l1b	Sierra Leone
HG03225	L2c	Sierra Leone	HG03385	L1c1c	Sierra Leone
HG03240	L2e	Gambia	HG03388	L2c2	Sierra Leone
HG03241	L3d1a1b	Gambia	HG03391	L1c1c	Sierra Leone
HG03246	L3b1a+@16124	Gambia	HG03394	L3b1a6	Sierra Leone
HG03247	L3d2a	Gambia	HG03397	L1c1d	Sierra Leone
HG03259	L4b1a	Gambia	HG03401	L2a1l	Sierra Leone
HG03265	L3d5a	Nigeria	HG03410	L2a1a1	Sierra Leone
HG03267	L0a1a2	Nigeria	HG03419	L3e2b+152	Sierra Leone
HG03268	L0a1a2	Nigeria	HG03428	L2a1l1b	Sierra Leone
HG03270	L1b1a18	Nigeria	HG03432	L2a1i	Sierra Leone
HG03271	L1c2b1b	Nigeria	HG03433	L2c	Sierra Leone
HG03279	L2d1	Nigeria	HG03436	L1b1a14	Sierra Leone
HG03280	L3e2b8	Nigeria	HG03437	L2d1	Sierra Leone

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HG03439	L3f1b1	Sierra Leone	HG03572	L3e2b	Sierra Leone
HG03442	L1b1a10	Sierra Leone	HG03575	L2a1f1	Sierra Leone
HG03445	L3d1'2'3'4'5'6	Sierra Leone	HG03577	L3e2a	Sierra Leone
HG03446	L3b1a	Sierra Leone	HG03578	L2a1a1	Sierra Leone
HG03449	L2a1c2a	Sierra Leone	HG03583	L3h1b1a	Sierra Leone
HG03451	L2c	Sierra Leone	HM596745	L2a5	Bermuda
HG03452	L2a1f	Sierra Leone	HM771113	L1c1a2c	Congo
HG03455	L2c	Sierra Leone	HM771114	L1c1a2c	Congo
HG03457	L2a11b	Sierra Leone	HM771115	L1c1a2c	Congo
HG03458	L4b1a	Sierra Leone	HM771116	L1c4b	Congo
HG03460	L2a1a1	Sierra Leone	HM771117	L1c4a	Congo
HG03461	L2a1i	Sierra Leone	HM771118	L1c4b	Congo
HG03464	L1c1c	Sierra Leone	HM771119	L1c4b	Congo
HG03469	L1b1a14	Sierra Leone	HM771120	L1c4b	Congo
HG03470	L1b1a14	Sierra Leone	HM771121	L1c4b	Congo
HG03473	L2c	Sierra Leone	HM771122	L3e2b	Gabon
HG03476	L2c	Sierra Leone	HM771123	L1c1a2b	Cameroon
HG03478	L3e'i'k'x	Sierra Leone	HM771124	L1c1a2b	Cameroon
HG03484	L2c	Sierra Leone	HM771125	L1c1b1	Cameroon
HG03499	L1c2a2	Nigeria	HM771126	L1c4a	Cameroon
HG03511	L3e2b	Nigeria	HM771127	L1c1a1a1a	Cameroon
HG03514	L2a1f	Nigeria	HM771128	L1c1a1a1b	Congo
HG03515	L2b1a3	Nigeria	HM771129	L1c1a1a1b	Congo
HG03517	L0a1a2	Nigeria	HM771130	L1c1a1a1b1	Congo
HG03518	L3d1c1	Nigeria	HM771131	L1c1a1a1b1	Cameroon
HG03520	L3e1	Nigeria	HM771132	L1c1a1a1a	Cameroon
HG03521	L3b1a10	Nigeria	HM771133	L1c1a1a1a	Congo
HG03539	L2a1a3	Gambia	HM771134	L1c1a1a1a	Cameroon
HG03547	L2a1l	Sierra Leone	HM771135	L3e1f1	Cameroon
HG03548	L2a1a1	Sierra Leone	HM771136	L1c1a2a1	Gabon
HG03556	L3e4a1	Sierra Leone	HM771137	L1c1a2b	Gabon
HG03557	L2a1c3a	Sierra Leone	HM771138	L1c1a2b	Congo
HG03558	L3h1b1a	Sierra Leone	HM771139	L1c1a1a1b1	Congo
HG03559	L3d1b1	Sierra Leone	HM771140	L1c1a1a1b	Congo
HG03563	L2a1a	Sierra Leone	HM771141	L1c1a1a1a	Gabon
HG03565	L3b1a5	Sierra Leone	HM771142	L1c1a2b	Cameroon
HG03567	L3d1b3a	Sierra Leone	HM771143	L1c1a2b	Cameroon
HG03571	L2a1c3a	Sierra Leone	HM771144	L1c1a1a1b1	Cameroon

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HM771145	L1c1a1a1b1	Cameroon	HM771183	L1c1a1a1b	Central African Republic
HM771146	L1c1a1a1a	Congo	HM771184	L1c1a1a1b	Central African Republic
HM771147	L1c1a1a2	Cameroon	HM771185	L1c1a1a1b	Central African Republic
HM771148	L1c1a2a2	Central African Republic	HM771186	L1c1a1a1b1	Central African Republic
HM771149	L1c1a2a1	Central African Republic	HM771187	L1c1a1a1b1	Central African Republic
HM771150	L1c1a2b	Central African Republic	HM771188	L0a2b1	Central African Republic
HM771151	L1c1a1a1a	Central African Republic	HM771189	L0a2b	Central African Republic
HM771152	L1c1a1a1a	Central African Republic	HM771190	L0a2b	Central African Republic
HM771153	L1c1a1a1a	Central African Republic	HM771191	L2a2b2	Congo
HM771154	L1c1a1a1b1	Central African Republic	HM771192	L2a2b1a	Congo
HM771155	L1c1a1a1b1	Central African Republic	HM771193	L2a2b1a	Congo
HM771156	L1c1a1a1a	Central African Republic	HM771194	L2a2b1a	Congo
HM771157	L1c4b	Central African Republic	HM771195	L2a2b1a	Congo
HM771158	L1c4b	Central African Republic	HM771196	L2a4a	Congo
HM771159	L1c4b	Central African Republic	HM771197	L2a4a	Congo
HM771160	L0a2a1	Central African Republic	HM771198	L5a1c	Unknown
HM771161	L0a2a1	Central African Republic	HM771199	L0a2b	Central African Republic
HM771162	L1b2a	Gabon	HM771200	L0a2b1	Central African Republic
HM771163	L1b1a3	Gabon	HM771201	L0a2b1	Central African Republic
HM771164	L1c1a2a2	Gabon	HM771202	L0a2b	Central African Republic
HM771165	L1c1a1a1b1	Gabon	HM771203	L5a1c	Unknown
HM771166	L1c1d	Gabon	HM771204	L5a1c	Unknown
HM771167	L1c3b1a	Gabon	HM771205	L2a2a1	Congo
HM771168	L2a1a3c	Congo	HM771206	L2a3	Congo
HM771169	L2a1c2a	Congo	HM771207	L2a2b2	Congo
HM771170	L3d2a	Gabon	HM771208	L2a2b1a	Congo
HM771171	L3e1d	Gabon	HM771209	L2a4a	Congo
HM771172	L3e1f1a	Gabon	HM771210	L2a4a	Congo
HM771173	L3e1a3a	Gabon	HM771211	L2a4a	Congo
HM771174	L3e2a1b2	Gabon	HM771212	L2a4a	Congo
HM771175	L3e2a1b2	Gabon	HM771213	L2a4a	Congo
HM771176	L3e2a1b2	Gabon	HM771214	L2a4a	Congo
HM771177	L3e2b+152	Gabon	HM771215	L2a4a	Congo
HM771178	L1c1a2b	Central African Republic	HM771216	L1c1a2b	Gabon
HM771179	L1c1a2a2	Central African Republic	HM771217	L1c1a2a1	Gabon
HM771180	L1c1a2a2	Central African Republic	HM771218	L1c1a2a1	Gabon
HM771181	L1c1a1a1a	Central African Republic	HM771219	L1c3a1b	Gabon
HM771182	L1c1a1a1b	Central African Republic	HM771220	L1c1b1	Gabon

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
HM771221	L1c2b2	Gabon	JN214448	L3e1f2	Italy
HM771222	L1c2b1a	Gabon	JN214449	L2a1a2	Italy
HM771223	L1c2b2	Gabon	JN214450	L3d1b1a	Italy
HM771224	L2a1c	Congo	JN214451	L3b3	Italy
HM771225	L2a1c5	Congo	JN214452	L3e5a	Hungary
HM771226	L2b1b	Congo	JN214453	L2b1a4	Italy
HM771227	L3d1a1a	Gabon	JN214454	L2b1a4	Italy
HM771228	L3d1a2	Gabon	JN214457	L2a1a2	Italy
HM771229	L3e2b1	Gabon	JN214458	L3h1b1a	Spain
HM771230	L3e2b1	Gabon	JN214459	L3d1b1a	Italy
HM771231	L3e3b1	Gabon	JN214460	L1b1a16	Italy
HM771232	L3e3b2	Gabon	JN214461	L1b1a6	Portugal
HM771233	L4b2b1	Unknown	JN214462	L1b1a3	Portugal
HQ384199	L2a5	Spain	JN214463	L1b1a12a	Portugal
HQ425328	L3d2b	USA	JN214464	L1b1a	England
HQ425645	L2a1a2c	USA	JN214465	L1b1a+189	Ireland
HQ610935	L4a	Unknown	JN214466	L1b1a	Portugal
HQ675033	L3x2b	Spain	JN214467	L1b1a6	Wales
JF509360	L1c3b1	Western Sahara	JN214468	L1b1a14	France
JF682349	L3b1a1a	USA	JN214469	L1b1a+189	Slovenia
JF812599	L1c4b	USA	JN214470	L1b2a	Germany
JN204423	L2a1l2a	Poland	JN214471	L1b1a+189	Switzerland
JN214430	L1b1a8	Spain	JN214472	L1b1a6	Portugal
JN214431	L1b1a8	Spain	JN214473	L1b1a14	Italy
JN214432	L2a1c4	Spain	JN214474	L1b1a2a	Spain
JN214433	L2c1a	Spain	JN214475	L3e2b	Italy
JN214434	L3f1b+16292	Spain	JN214476	L1b1a16	France
JN214435	L1b1a8	Spain	JN214477	L1b1a13	Italy
JN214436	L2a1c6	Spain	JN214478	L3d1b1a	Italy
JN214437	L1b1a12a	Spain	JN214479	L3d	Italy
JN214438	L1b1a	Spain	JN214480	L1b1a	Italy
JN214440	L2a1c3a	Spain	JN225464	L3e2b	Italy
JN214441	L1b1a8	Spain	JN225465	L1b1a16	Italy
JN214442	L1b1a6	Spain	JN225466	L1b1a16	Italy
JN214443	L2b3b	Spain	JN225467	L3d1b1a	Italy
JN214444	L1b1a5	Spain	JN225468	L3d1b1a	Italy
JN214446	L3x2b	Spain	JN381504	L3e2b4	USA
JN214447	L1b1a16	Spain	JN415484	L2a1o	France

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JN655773	L3x1a2	Ethiopia	JN655811	L3e1d1	Somalia
JN655774	L3a1b	Ethiopia	JN655812	L3e3a	Somalia
JN655775	L3h1b1a	Ethiopia	JN655813	L3a1a	Somalia
JN655776	L3x2a	Ethiopia	JN655814	L3i2	Somalia
JN655777	L3f1b+16292	Ethiopia	JN655815	L3h2	Somalia
JN655778	L3i2	Ethiopia	JN655816	L3i2	Somalia
JN655779	L3x1a2	Ethiopia	JN655817	L3f1a1	Somalia
JN655780	L3i1a	Ethiopia	JN655818	L3x1b	Somalia
JN655781	L3x1b	Ethiopia	JN655819	L3f2a1a	Somalia
JN655782	L3x1b	Ethiopia	JN655820	L3h2	Yemen
JN655783	L3f1b+16292	Ethiopia	JN655821	L3h2	Yemen
JN655784	L3f	Ethiopia	JN655822	L3e5	Sudan
JN655785	L3i2	Ethiopia	JN655823	L3d1b1b	Sudan
JN655786	L3x1+16311	Ethiopia	JN655824	L3h1a2a1	Sudan
JN655787	L3i2	Ethiopia	JN655825	L3h2	Sudan
JN655788	L3h1a2b	Ethiopia	JN655826	L3b1a+@16124	Sudan
JN655789	L3k1	Chad	JN655827	L3b1a2	Sudan
JN655790	L3b1a+152	Chad	JN655828	L3e5+195	Sudan
JN655791	L3b1a9	Chad	JN655829	L3x2a1a	Sudan
JN655792	L3b1a+@16124	Chad	JN655830	L3h1a1	Sudan
JN655793	L3d2b	Chad	JN655831	L3f3	Sudan
JN655794	L3e1b1	Chad	JN655832	L3f2a1	Sudan
JN655795	L3e2b6	Chad	JN655833	L3f1b+16292	Sudan
JN655796	L3e3b	Chad	JN655834	L3d4a	Sudan
JN655797	L3d3b	Chad	JN655835	L3f1b+16292	Sudan
JN655798	L3e5a1a	Chad	JN655836	L3f1b+16292	Sudan
JN655799	L3h1b1a	Chad	JN655837	L3x1+16311	Sudan
JN655800	L3d1a1a	Somalia	JN655838	L3h1b1a	Sudan
JN655801	L3h2	Somalia	JN655839	L3h1b1a	Sudan
JN655802	L3x2a	Somalia	JN655840	L3h1a2a	Sudan
JN655803	L3a+709	Somalia	JN655841	L3f2a1	Sudan
JN655804	L3i2	Somalia	JN655842	L3f1a1	Sudan
JN655805	L3a2a	Somalia	JN858955	L2a1c+16129	Cameroon
JN655806	L3b1a+@16124	Somalia	JN858956	L2a1d2	Benin
JN655807	L3e1a1a	Somalia	JN989561	L2a1f1	unknown
JN655808	L3d1a1	Somalia	JQ044792	L1b1a4a	Burkina Faso
JN655809	L3f1a1	Somalia	JQ044793	L1b1a10	Burkina Faso
JN655810	L3x1b	Somalia	JQ044794	L3e2b1a1	Burkina Faso

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ044795	L1c3b2	Burkina Faso	JQ044835	L3e3b	Burkina Faso
JQ044796	L3b1a6	Burkina Faso	JQ044836	L1c6	Burkina Faso
JQ044797	L2b2	Burkina Faso	JQ044837	L2a1b3	Burkina Faso
JQ044798	L3b1a+152	Burkina Faso	JQ044838	L0a1a2	Burkina Faso
JQ044799	L2a1c1a1	Burkina Faso	JQ044839	L2a1+143+@16309	Burkina Faso
JQ044800	L2b1b	Burkina Faso	JQ044840	L3e3'4'5	Burkina Faso
JQ044801	L3e2a1b1	Burkina Faso	JQ044841	L2a1b2	Burkina Faso
JQ044802	L2a1c2	Burkina Faso	JQ044842	L3d1c1	Burkina Faso
JQ044804	L2a1m	Burkina Faso	JQ044843	L3b2a	Burkina Faso
JQ044805	L3b1a	Burkina Faso	JQ044844	L2a1c2	Burkina Faso
JQ044806	L1c3a	Burkina Faso	JQ044845	L2a1a	Burkina Faso
JQ044808	L1b1a17	Burkina Faso	JQ044846	L2b2a	Burkina Faso
JQ044809	L2a1a2	Burkina Faso	JQ044847	L3e1g	Burkina Faso
JQ044810	L2c3	Burkina Faso	JQ044848	L4b1a	Burkina Faso
JQ044811	L4b1a	Burkina Faso	JQ044849	L0a1a2	Burkina Faso
JQ044812	L2a1a2	Burkina Faso	JQ044850	L3e3b3	Burkina Faso
JQ044813	L2a1a3a	Burkina Faso	JQ044851	L0a1a+200	Burkina Faso
JQ044814	L3d1b3a	Burkina Faso	JQ044852	L3d1c1	Burkina Faso
JQ044815	L3d1a1	Burkina Faso	JQ044853	L2c2b2	Burkina Faso
JQ044816	L2e1	Burkina Faso	JQ044854	L2b1a	Burkina Faso
JQ044817	L2a1l1a1	Burkina Faso	JQ044855	L1c3a1b	Burkina Faso
JQ044818	L2a1a	Burkina Faso	JQ044856	L3e2b	Burkina Faso
JQ044819	L2a1a3b	Burkina Faso	JQ044857	L1b1a	Burkina Faso
JQ044820	L3b1a7a	Burkina Faso	JQ044858	L2c1	Burkina Faso
JQ044821	L2a1e1	Burkina Faso	JQ044859	L2a1f	Burkina Faso
JQ044822	L2a1p	Burkina Faso	JQ044860	L2a1c1	Burkina Faso
JQ044823	L2c4	Burkina Faso	JQ044861	L2a1f3	Burkina Faso
JQ044824	L3d1c1	Burkina Faso	JQ044862	L3d1c	Burkina Faso
JQ044825	L1b1a15	Burkina Faso	JQ044863	L1b1a4	Burkina Faso
JQ044826	L3b'f	Burkina Faso	JQ044864	L3d5a	Burkina Faso
JQ044827	L3e2b	Burkina Faso	JQ044865	L3e2b	Burkina Faso
JQ044828	L2a1c2a	Burkina Faso	JQ044866	L1b2	Burkina Faso
JQ044829	L3d1d	Burkina Faso	JQ044867	L1b1a10	Burkina Faso
JQ044830	L3e	Burkina Faso	JQ044868	L1b1a+189	Burkina Faso
JQ044831	L3f1b1	Burkina Faso	JQ044869	L3b2b	Burkina Faso
JQ044832	L3e2b	Burkina Faso	JQ044870	L3e3b3	Burkina Faso
JQ044833	L2a1c4a	Burkina Faso	JQ044871	L3e2a	Burkina Faso
JQ044834	L4b1a	Burkina Faso	JQ044872	L2a1c2a	Burkina Faso

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ044873	L3d1b2	Burkina Faso	JQ044913	L3e2b	Burkina Faso
JQ044874	L0a1a2	Burkina Faso	JQ044914	L2c4	Burkina Faso
JQ044875	L1b1a3a1	Burkina Faso	JQ044915	L3d1c1	Burkina Faso
JQ044876	L1b1a9	Burkina Faso	JQ044916	L2a1m	Burkina Faso
JQ044877	L2a1a	Burkina Faso	JQ044917	L2c3	Burkina Faso
JQ044878	L2c2b2	Burkina Faso	JQ044918	L2a1a3b	Burkina Faso
JQ044879	L2a1a2	Burkina Faso	JQ044919	L2a1l1	Burkina Faso
JQ044880	L3f1b+16292	Burkina Faso	JQ044920	L2c2	Burkina Faso
JQ044881	L2a1i1	Burkina Faso	JQ044921	L2c4	Burkina Faso
JQ044882	L2c2	Burkina Faso	JQ044922	L2a1a	Burkina Faso
JQ044883	L2a1f	Burkina Faso	JQ044924	L2a1c2	Burkina Faso
JQ044884	L2a1a2	Burkina Faso	JQ044925	L3e3b	Burkina Faso
JQ044885	L2a1a	Burkina Faso	JQ044926	L1b1a	Burkina Faso
JQ044886	L1c3b2	Burkina Faso	JQ044927	L2a1a	Burkina Faso
JQ044887	L2c1a	Burkina Faso	JQ044928	L3e2	Burkina Faso
JQ044888	L2a1a1	Burkina Faso	JQ044929	L2d1a	Burkina Faso
JQ044889	L1b1a	Burkina Faso	JQ044930	L2a1a	Burkina Faso
JQ044890	L2b1a2	Burkina Faso	JQ044931	L3e2b1	Burkina Faso
JQ044891	L3d1b3a	Burkina Faso	JQ044932	L2a1l1a	Burkina Faso
JQ044892	L2a1a3	Burkina Faso	JQ044933	L3e2b	Burkina Faso
JQ044893	L0a1a1	Burkina Faso	JQ044935	L2a1c2	Burkina Faso
JQ044894	L3f1b1	Burkina Faso	JQ044936	L1b3	Burkina Faso
JQ044895	L3f1b1a	Burkina Faso	JQ044937	L2a1c4a1	Burkina Faso
JQ044897	L2a1l1a2	Burkina Faso	JQ044938	L3e2	Burkina Faso
JQ044898	L1b1a9	Burkina Faso	JQ044939	L3d1b2	Burkina Faso
JQ044899	L3e2b	Burkina Faso	JQ044941	L2c	Burkina Faso
JQ044900	L3f1b+16292	Burkina Faso	JQ044942	L2a1a	Burkina Faso
JQ044901	L2c1a	Burkina Faso	JQ044943	L0a1a3	Burkina Faso
JQ044902	L3b1a6	Burkina Faso	JQ044944	L2a1n	Burkina Faso
JQ044903	L0a1a+200	Burkina Faso	JQ044945	L2a1a2	Burkina Faso
JQ044905	L2a1i	Burkina Faso	JQ044947	L3e3b	Burkina Faso
JQ044906	L3e2b+152	Burkina Faso	JQ044948	L2d1	Burkina Faso
JQ044907	L1c3a	Burkina Faso	JQ044949	L1b1a9	Burkina Faso
JQ044908	L2a1m1a	Burkina Faso	JQ044950	L1b1a+189	Burkina Faso
JQ044909	L2a1c1	Burkina Faso	JQ044951	L2a1a2	Burkina Faso
JQ044910	L2b2	Burkina Faso	JQ044952	L2a1a2	Burkina Faso
JQ044911	L2a1a	Burkina Faso	JQ044953	L1b1a9	Burkina Faso
JQ044912	L2a1f	Burkina Faso	JQ044954	L1b2	Burkina Faso

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ044955	L2a11b	Burkina Faso	JQ044993	L3b1a+152	Burkina Faso
JQ044956	L2a11	Burkina Faso	JQ044994	L2a1I2	Burkina Faso
JQ044957	L2a1c4a	Burkina Faso	JQ044995	L0a1a2	Burkina Faso
JQ044958	L2a1i	Burkina Faso	JQ044996	L2a1c3b	Burkina Faso
JQ044959	L3d4	Burkina Faso	JQ044997	L2a1a2	Burkina Faso
JQ044960	L3b1a+152	Burkina Faso	JQ044998	L2a1c2	Burkina Faso
JQ044961	L2a1a	Burkina Faso	JQ044999	L3e3b	Burkina Faso
JQ044962	L2a1c2	Burkina Faso	JQ045000	L2a1o	Burkina Faso
JQ044963	L3e2b2	Burkina Faso	JQ045001	L2a1a1	Burkina Faso
JQ044964	L3e3b3	Burkina Faso	JQ045002	L2c1	Burkina Faso
JQ044965	L3b1a10	Burkina Faso	JQ045004	L0a1a2	Burkina Faso
JQ044966	L2a111a	Burkina Faso	JQ045005	L2a1a	Burkina Faso
JQ044967	L1c3b1b	Burkina Faso	JQ045006	L2a1f	Burkina Faso
JQ044968	L2a1a2a1	Burkina Faso	JQ045008	L2b	Burkina Faso
JQ044969	L2a1c2a	Burkina Faso	JQ045009	L3b1a	Burkina Faso
JQ044970	L2a1e1	Burkina Faso	JQ045010	L2c2	Burkina Faso
JQ044971	L2c3	Burkina Faso	JQ045011	L2d1a	Burkina Faso
JQ044972	L3e2b5	Burkina Faso	JQ045012	L2b3a	Burkina Faso
JQ044973	L2a1c+16086	Burkina Faso	JQ045013	L2b1a2	Burkina Faso
JQ044974	L2a1c1	Burkina Faso	JQ045014	L2a1c4a	Burkina Faso
JQ044975	L2a1b2	Burkina Faso	JQ045015	L2a1a3	Burkina Faso
JQ044976	L2c	Burkina Faso	JQ045016	L3e2b	Burkina Faso
JQ044977	L2a1a1	Burkina Faso	JQ045017	L2a1a2a1a	Burkina Faso
JQ044978	L2a1I2	Burkina Faso	JQ045018	L3b1a9	Burkina Faso
JQ044979	L3f1b+16292+150	Burkina Faso	JQ045019	L2a1c	Burkina Faso
JQ044980	L1b1a9	Burkina Faso	JQ045020	L2a1a1	Burkina Faso
JQ044981	L2a1n	Burkina Faso	JQ045021	L2a1a	Burkina Faso
JQ044982	L3e3b	Burkina Faso	JQ045022	L2c1a	Burkina Faso
JQ044983	L2a1a	Burkina Faso	JQ045023	L3b1a9	Burkina Faso
JQ044984	L2c5	Burkina Faso	JQ045024	L2a1c2	Burkina Faso
JQ044985	L3e2b1a	Burkina Faso	JQ045025	L2a1c2a	Burkina Faso
JQ044986	L3b1a5	Burkina Faso	JQ045026	L3d4	Burkina Faso
JQ044987	L2a1a2	Burkina Faso	JQ045027	L2a1a2	Burkina Faso
JQ044988	L3d1c1	Burkina Faso	JQ045028	L3b1a6	Burkina Faso
JQ044989	L2c1	Burkina Faso	JQ045029	L3b2	Burkina Faso
JQ044990	L3h1b2	Burkina Faso	JQ045030	L2c	Burkina Faso
JQ044991	L3e2a	Burkina Faso	JQ045031	L3e1	Burkina Faso
JQ044992	L2a1a	Burkina Faso	JQ045032	L1b1a3a1	Burkina Faso

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ045033	L3e2a1b3	Burkina Faso	JQ045071	L1b2	Burkina Faso
JQ045034	L3b1a6	Burkina Faso	JQ045072	L3b1a9a	Burkina Faso
JQ045035	L2a1c4a	Burkina Faso	JQ045073	L1c3a1a	Burkina Faso
JQ045036	L1b1a	Burkina Faso	JQ045074	L2a1a1	Burkina Faso
JQ045037	L2b1a2	Burkina Faso	JQ045075	L3d1b	Burkina Faso
JQ045038	L1b3	Burkina Faso	JQ045076	L2a1a2	Burkina Faso
JQ045039	L2a1f2	Burkina Faso	JQ045077	L2a1i	Burkina Faso
JQ045040	L2a1m	Burkina Faso	JQ045078	L3b1a+152	Burkina Faso
JQ045041	L3b1a+152	Burkina Faso	JQ045079	L1b1a3a	Burkina Faso
JQ045042	L2c2	Burkina Faso	JQ045080	L2a1i	Burkina Faso
JQ045043	L2b2	Burkina Faso	JQ045081	L4b1a	Burkina Faso
JQ045044	L2d1	Burkina Faso	JQ045082	L2a1c5	Burkina Faso
JQ045045	L2a1c4a	Burkina Faso	JQ045083	L1b1a3	Burkina Faso
JQ045046	L2a1f3	Burkina Faso	JQ045084	L3f1b4c	Burkina Faso
JQ045047	L2a1i3	Burkina Faso	JQ045085	L3f1b1a	Burkina Faso
JQ045048	L2a1a2	Burkina Faso	JQ045086	L1b1a	Burkina Faso
JQ045049	L2e1	Burkina Faso	JQ045087	L2a1f	Burkina Faso
JQ045050	L2d	Burkina Faso	JQ045088	L2a1a2b	Burkina Faso
JQ045051	L3d1b3	Burkina Faso	JQ045089	L3e1	Burkina Faso
JQ045052	L3f1b1a	Burkina Faso	JQ045090	L2a1f	Burkina Faso
JQ045053	L0a1a2	Burkina Faso	JQ045091	L3d6	Burkina Faso
JQ045054	L2a1f	Burkina Faso	JQ045092	L3e2a2	Burkina Faso
JQ045055	L1b1a10	Burkina Faso	JQ045093	L3f1b4b	Burkina Faso
JQ045056	L2a1f	Burkina Faso	JQ045094	L1b1a18	Burkina Faso
JQ045057	L3d2b	Burkina Faso	JQ045095	L2a1a2b	Burkina Faso
JQ045058	L3b1a6	Burkina Faso	JQ045096	L3e1e	Burkina Faso
JQ045059	L3d1b	Burkina Faso	JQ045097	L2a1f2	Burkina Faso
JQ045060	L2a1a	Burkina Faso	JQ045098	L2a1c5	Burkina Faso
JQ045061	L2a1f	Burkina Faso	JQ045099	L1c3a1b	Burkina Faso
JQ045062	L2a1	Burkina Faso	JQ045100	L1b1a10	Burkina Faso
JQ045063	L2a1c3b2	Burkina Faso	JQ045101	L2a1a3c	Burkina Faso
JQ045064	L2a1c1	Burkina Faso	JQ045102	L2a1i1	Burkina Faso
JQ045065	L3d1b3	Burkina Faso	JQ045103	L3e3b1	Burkina Faso
JQ045066	L2a1a1	Burkina Faso	JQ045104	L2c3a	Burkina Faso
JQ045067	L2a1c4a	Burkina Faso	JQ045105	L2c1a	Burkina Faso
JQ045068	L2c1a	Burkina Faso	JQ045106	L2c1a	Burkina Faso
JQ045069	L2d+16129	Burkina Faso	JQ045107	L1b1a4	Burkina Faso
JQ045070	L3e1g	Burkina Faso	JQ045108	L2a1c2	Burkina Faso

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ045109	L2c3a	Burkina Faso	JQ702428	L0a1a+200	Unknown
JQ045110	L2a1c3b1	Burkina Faso	JQ702430	L2a1+143+16189	USA
JQ045111	L1b1a	Burkina Faso	JQ702441	L1c3b1a	Unknown
JQ045112	L3d1b	Burkina Faso	JQ702481	L3d1a2	Unknown
JQ045113	L1b1a4a	Burkina Faso	JQ702503	L2a1c+16086	Mexico
JQ045114	L1b1a14	Burkina Faso	JQ702504	L4b2b1	Unknown
JQ045116	L2a1c3b1	Burkina Faso	JQ702533	L3e2a1b	Unknown
JQ045117	L3d1d	Burkina Faso	JQ702600	L1c3b1b	Unknown
JQ045118	L3e4a1	Burkina Faso	JQ702617	L1c5	Unknown
JQ045119	L1b1a	Burkina Faso	JQ702626	L2b3a	unknown
JQ045120	L3b1a	Burkina Faso	JQ702659	L2a1c6	France
JQ045121	L1b1a17	Burkina Faso	JQ702694	L2b1a3	unknown
JQ045122	L2a1c3b1	Burkina Faso	JQ702903	L1c2b1c	Unknown
JQ045123	L3b1a	Burkina Faso	JQ702904	L2a1l2a1	unknown
JQ045124	L2a1c1	Burkina Faso	JQ702968	L2a1c+16129	unknown
JQ045125	L3e4a1	Burkina Faso	JQ703036	L1b1a3b	Unknown
JQ412577	L2a1c1a2	unknown	JQ703065	L2a1n	unknown
JQ701814	L2a1f1	USA	JQ703138	L3e2b1a	Unknown
JQ701823	L1b1a3b	USA	JQ703481	L0a1a2	Unknown
JQ701829	L3e2b1a2	African	JQ703618	L1b1a7a	Unknown
JQ701833	L2b1a3	African European	JQ703621	L3f1b	Spain
JQ701901	L1c1c	Unknown	JQ703625	L3e3b	Unknown
JQ701914	L2a1m1a	Ireland	JQ703773	L1c4b	Unknown
JQ701926	L2a1c4a	unknown	JQ703960	L2a1f	unknown
JQ701954	L2c	unknown	JQ703986	L3b3	Unknown
JQ702015	L2a1l2a1	Poland	JQ704094	L2c2b1a	unknown
JQ702047	L3k1	Unknown	JQ704266	L1b1a15a	Unknown
JQ702115	L2c4	unknown	JQ704668	L2a1f	unknown
JQ702123	L2b3a	Hawaii	JQ704670	L3f1b1a	Ethiopia
JQ702169	L2c	unknown	JQ704683	L1b1a17	Unknown
JQ702179	L3e3b	Unknown	JQ704728	L3e1f	Unknown
JQ702227	L0a1a2	Unknown	JQ704740	L2c2a1	unknown
JQ702241	L3b1a10	Unknown	JQ704825	L1b1a7a	Spain
JQ702261	L2a1c1a2	unknown	JQ704917	L3e2b1a1	Ghana
JQ702307	L2a1c	unknown	JQ704919	L3b3	Unknown
JQ702326	L0a1b1a1	Unknown	JQ704931	L3e3b1	Unknown
JQ702381	L3b1a	African	JQ704968	L1b1a8	Unknown
JQ702420	L3d1b2	Unknown	JQ704978	L2c	unknown

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JQ704982	L3e2a1a	Unknown	JQ705732	L1b1a3	Unknown
JQ705001	L2a1c5	unknown	JQ705753	L3b1a	Unknown
JQ705012	L3e2b	Unknown	JQ705783	L3b1a1	Unknown
JQ705019	L3d2b	Unknown	JQ705832	L1b1a10	Unknown
JQ705046	L2a1c1a1	Ghana	JQ705851	L3e3b2	Unknown
JQ705049	L2a1l2a	Poland	JQ705864	L1c2b1a1	Unknown
JQ705055	L2a1a2a1a	Mozambique	JQ705902	L3e1a3a	USA
JQ705077	L3d1b2	Unknown	JQ705912	L3d1d	South Africa
JQ705087	L2a1a	unknown	JQ705931	L1b1a12b	Unknown
JQ705109	L0a2a2a	Unknown	JQ706014	L2a1a1	unknown
JQ705115	L1b1a4	USA	JX021728	L2a1l3	Algeria
JQ705120	L2c	unknown	JX153016	L1b1a	Italy
JQ705136	L3e2a1b1	Unknown	JX266263	L1b1a12b	Poland
JQ705137	L3h1b1a	Unknown	JX266264	L2a1l2a	Poland
JQ705145	L2a1c3a1	USA	JX266265	L2a1l2a1	Poland
JQ705150	L2a1f	unknown	JX303745	L0k2a1a	Zambia
JQ705185	L2a1l2a	Russia	JX303746	L1b1a10b	Zambia
JQ705249	L1b1a6	Unknown	JX303747	L3e4a	Zambia
JQ705250	L2a1a2	unknown	JX303748	L2d1a	Zambia
JQ705275	L1c1a	Puerto Rico	JX303749	L2a1c5	Zambia
JQ705285	L3e4a	Unknown	JX303750	L2c2a1	Zambia
JQ705310	L3k1	Unknown	JX303751	L5a2	Zambia
JQ705320	L3e4a1	Unknown	JX303752	L2a1g	Zambia
JQ705361	L3b1a	Unknown	JX303753	L0k2a1a	Zambia
JQ705410	L3d2b	Unknown	JX303754	L2a1b1a	Zambia
JQ705455	L2a1e1	unknown	JX303755	L1c2a1a	Zambia
JQ705478	L1b1a6	Unknown	JX303756	L1b1a	Zambia
JQ705521	L3e1f2	Unknown	JX303757	L0a1a2	Zambia
JQ705529	L2a1a3a	unknown	JX303758	L3e1a2	Zambia
JQ705576	L1c2b1c	Unknown	JX303759	L3e1b2	Zambia
JQ705587	L1b1a15a	USA	JX303760	L2a1a2	Zambia
JQ705589	L2a1l2a1	Romania	JX303761	L2a1b1a	Zambia
JQ705596	L3e5b	Unknown	JX303762	L0a1b1	Zambia
JQ705597	L1c2b1c	Unknown	JX303763	L0a2a2a	Zambia
JQ705606	L1b1a18	Unknown	JX303764	L1b1a10b	Zambia
JQ705626	L2c3	unknown	JX303765	L0k2a1a	Zambia
JQ705650	L1c2b1b1	Mexico	JX303766	L0a1e	Zambia
JQ705669	L1b1a3a	Unknown	JX303767	L3e1d1	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JX303768	L1c1a2	Zambia	JX303806	L2a1d2	Zambia
JX303769	L1b1a10b	Zambia	JX303807	L2b2a	Zambia
JX303770	L1b2a	Zambia	JX303808	L3e1d1	Zambia
JX303771	L1b1a3	Zambia	JX303809	L1b2a	Zambia
JX303772	L0a2a2a2	Zambia	JX303810	L3d3a1	Zambia
JX303773	L1c2b1b1	Zambia	JX303811	L1c2b1b1	Zambia
JX303774	L3f1b1a1	Zambia	JX303812	L1b1a10b	Zambia
JX303775	L1c2a1a	Zambia	JX303813	L1b1a10b	Zambia
JX303776	L3e1	Zambia	JX303814	L1b1a10b	Zambia
JX303777	L1b1a	Zambia	JX303815	L3d3a1b	Zambia
JX303778	L0a2a2a	Zambia	JX303816	L1c2b1b1	Zambia
JX303779	L1b1a	Zambia	JX303817	L0a1b1a	Zambia
JX303780	L2a1f1	Zambia	JX303818	L0d1b2a2	Zambia
JX303781	L3e1e1	Zambia	JX303819	L1b1a10b	Zambia
JX303782	L1c2a3a	Zambia	JX303820	L1c2b1b1	Zambia
JX303783	L1c2a1a	Zambia	JX303821	L3d1b3a	Zambia
JX303784	L0a2a1b	Zambia	JX303822	L3e2b1a2	Zambia
JX303785	L1c3b1a	Zambia	JX303823	L0a1b1a	Zambia
JX303786	L0a2a2a2	Zambia	JX303824	L1c3a	Zambia
JX303787	L1b1a3	Zambia	JX303825	L2a1d2	Zambia
JX303788	L0d2b2	Zambia	JX303826	L0a2a2a	Zambia
JX303789	L3e2b1a2	Zambia	JX303827	L3e1a3a	Zambia
JX303790	L1c2b1b1	Zambia	JX303828	L1c2a1a	Zambia
JX303791	L0d1c2a	Zambia	JX303829	L2a5	Zambia
JX303792	L2c2a1	Zambia	JX303830	L0a2a1b	Zambia
JX303793	L1c2a1a	Zambia	JX303831	L0a2a2a1	Zambia
JX303794	L1c2b1b1	Zambia	JX303832	L2a1f	Zambia
JX303795	L2a1d2	Zambia	JX303833	L1c2b1b1	Zambia
JX303796	L0a1b1a1	Zambia	JX303834	L3d3a1b	Zambia
JX303797	L1c5	Zambia	JX303835	L0a2a2a1	Zambia
JX303798	L2a1g	Zambia	JX303836	L3d3a1b	Zambia
JX303799	L3e3b2	Zambia	JX303837	L3e1a3a	Zambia
JX303800	L1c2b1b1	Zambia	JX303838	L2a1d2	Zambia
JX303801	L1b1a10b	Zambia	JX303839	L3d3a1b	Zambia
JX303802	L3d3a1b	Zambia	JX303840	L1b1a10b	Zambia
JX303803	L3d3a1b	Zambia	JX303841	L2b2a	Zambia
JX303804	L3f1b1a1	Zambia	JX303842	L3f1b1a1	Zambia
JX303805	L2a1f3	Zambia	JX303843	L3f2a1	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
JX303844	L3e2b	Zambia	JX303882	L2b1a3	Zambia
JX303845	L1c2b2	Zambia	JX303883	L1c2b1b1	Zambia
JX303846	L1b1a10b	Zambia	JX303884	L3e1f1a	Zambia
JX303847	L3e1d1	Zambia	JX303885	L3e1e1	Zambia
JX303848	L1c2a1a	Zambia	JX303886	L3e1d1a	Zambia
JX303849	L3e1d1a	Zambia	JX303887	L3e1a3a	Zambia
JX303850	L3e1d1	Zambia	JX303888	L3f1b1a1	Zambia
JX303851	L1c2b1b1	Zambia	JX303889	L3e1d1a	Zambia
JX303852	L2a1c1	Zambia	JX303890	L3b1a1a	Zambia
JX303853	L2a1i1	Zambia	JX303891	L3e1d1	Zambia
JX303854	L3e1a3a	Zambia	JX303892	L1b1a3	Zambia
JX303855	L1c2a1a	Zambia	JX303893	L3e1a3a	Zambia
JX303856	L0k2a1a	Zambia	JX303894	L3f2a1	Zambia
JX303857	L2a1i1	Zambia	JX303895	L0k2a1a	Zambia
JX303858	L2a1b1a	Zambia	JX303896	L1b2a	Zambia
JX303859	L1b1a10b	Zambia	JX303897	L0d2b1a1	Zambia
JX303860	L1b1a10b	Zambia	JX303898	L1b1a3	Zambia
JX303861	L0k1b	Zambia	JX303899	L0d2b1a1	Zambia
JX303862	L2a1d2	Zambia	JX303900	L1c2b1b1	Zambia
JX303863	L2c2a1	Zambia	JX303901	L1b1a3	Zambia
JX303864	L3d3a1	Zambia	JX303902	L3e1d1	Zambia
JX303865	L0k1b	Zambia	JX303903	L0d2b1a1	Zambia
JX303866	L1b1a10b	Zambia	JX303904	L0a2a2a	Zambia
JX303867	L0k1b	Zambia	JX303905	L1b2a	Zambia
JX303868	L0k2a1a	Zambia	JX303906	L2a1g	Zambia
JX303869	L0a1a2	Zambia	JX303907	L1c2a1a	Zambia
JX303870	L2a1q	Zambia	JX303908	L3e1a3a	Zambia
JX303871	L1c3a1b	Zambia	JX303909	L2a1i1	Zambia
JX303872	L3e1a3a	Zambia	JX303910	L1c2b1b1	Zambia
JX303873	L2a1d2	Zambia	JX303911	L0a1a2	Zambia
JX303874	L2a1b1a	Zambia	JX303912	L1c2a1a	Zambia
JX303875	L3e1d1	Zambia	JX303913	L1c2a1a	Zambia
JX303876	L3b1a3	Zambia	JX524225	L2a1c1a2	Brazil
JX303877	L1c2a1a	Zambia	JX666328	L3b1a7	USA
JX303878	L3e1a2	Zambia	KC152939	L1c2b1a1	Unknown
JX303879	L1c2a1a	Zambia	KC257334	L1c3b2	USA
JX303880	L2a1b1a	Zambia	KC257335	L1c3b2	USA
JX303881	L3e1a3a	Zambia	KC257336	L1c3b2	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC257337	L1c3b2	USA	KC345794	L0k1a2	Botswana
KC257338	L1c3b2	USA	KC345795	L0k1a2	Botswana
KC257339	L1c3b2	USA	KC345796	L0k1a2	Botswana
KC257340	L1c3b2	USA	KC345797	L0k1a2	Botswana
KC257341	L1c3b2	USA	KC345798	L0d1b1a1	Botswana
KC257342	L1c3b2	USA	KC345799	L0d1b1a1	Botswana
KC257343	L1c3b2	USA	KC345800	L0d1b1a1	Botswana
KC257344	L1c3b2	USA	KC345801	L0d1b1a1	Botswana
KC345764	L0d1c	Angola	KC345802	L0d1b1a1	Botswana
KC345765	L0d1b1b1	Angola	KC345803	L0k1a2	Botswana
KC345766	L0d1b1b1	Angola	KC345804	L0k1a2	Botswana
KC345767	L0d1b1b1	Angola	KC345805	L0k1a2	Botswana
KC345768	L0d1b1b1	Angola	KC345806	L0k1a2	Botswana
KC345769	L0d1a1b1a	Angola	KC345807	L0d1b2a1	Botswana
KC345770	L0d1a1b1a	Angola	KC345808	L0d1c2a	Botswana
KC345771	L0d1b1b1	Angola	KC345809	L0d1b2b2a	Botswana
KC345772	L0d1b1b1	Angola	KC345810	L0d1c1a1a1	Botswana
KC345773	L0d1a1b1a	Angola	KC345811	L0d1c1a1a	Botswana
KC345774	L0d1b1b1	Angola	KC345812	L0d1c1a1a	Botswana
KC345775	L0d1a1b1a	Angola	KC345813	L0d1c1a1a1	Botswana
KC345776	L0d1a1b1a	Angola	KC345814	L0d1c	Botswana
KC345777	L0d2a1a	Angola	KC345815	L0d1c2a1	Botswana
KC345778	L0d1c2	Angola	KC345816	L0d1c	Botswana
KC345779	L0d1c	Angola	KC345817	L0d1c1a1a	Botswana
KC345780	L0d1b1+@152	Angola	KC345818	L0d1c	Botswana
KC345781	L0d1b2b2	Angola	KC345819	L0d2a2	Botswana
KC345782	L0d1a1b1a	Angola	KC345820	L0d2a2	Botswana
KC345783	L0d1b1b1	Angola	KC345821	L0k1a2	Botswana
KC345784	L0d2a1a	Angola	KC345822	L0d1c1a1a2	Botswana
KC345785	L0k1a2	Angola	KC345823	L0d1c1a1a1	Botswana
KC345786	L0d1b2a	Botswana	KC345824	L0d1c1a2	Botswana
KC345787	L0d1b2a1	Botswana	KC345825	L0d1a1a1	Botswana
KC345788	L0d1b1a1	Botswana	KC345826	L0d1c1a1a	Botswana
KC345789	L0d1b1a1	Botswana	KC345827	L0d1c2a	Botswana
KC345790	L0d1b1a1	Botswana	KC345828	L0d1c2a	Botswana
KC345791	L0d1a	Botswana	KC345829	L0d1c1a1a2	Botswana
KC345792	L0d1c2	Botswana	KC345830	L0d1c1a1a	Botswana
KC345793	L0d1b1a1	Botswana	KC345831	L0d1a1a1	Botswana

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC345832	L0d1a1a1	Botswana	KC345870	L0d1b2b1a	Botswana
KC345833	L0d1c1a2	Botswana	KC345871	L0d1b2b1a	Botswana
KC345834	L0d1c1a1a2	Botswana	KC345872	L0d1b2a1	Botswana
KC345835	L0d1c1a1a1	Botswana	KC345873	L0d1b2b2c2	Botswana
KC345836	L0d1c2a1	Botswana	KC345874	L0d1c1a1a	Botswana
KC345837	L0d1c1a2	Botswana	KC345875	L0d1b2a1	Botswana
KC345838	L0d2b1a1a	Botswana	KC345876	L0d1b2a2	Botswana
KC345839	L0d2b1a1a	Botswana	KC345877	L0d1b2b1a	Botswana
KC345840	L0d2b1a1a	Botswana	KC345878	L0d1b2b1a	Botswana
KC345841	L0d2b1a1a	Botswana	KC345879	L0d1b2b1a	Botswana
KC345842	L0d2b1a1	Botswana	KC345880	L0d1b2b2c1	Botswana
KC345843	L0d2b1a1a	Botswana	KC345881	L0d1b2b1a	Botswana
KC345844	L0d2b1a1	Botswana	KC345882	L0d1b2b2c1	Botswana
KC345845	L0d2b1a1a	Botswana	KC345883	L0d1b2b1a	Botswana
KC345846	L0d2b1a1a	Botswana	KC345884	L0d1b2b1a	Botswana
KC345847	L0d2b1a1a	Botswana	KC345885	L0d1c1a1a	Botswana
KC345848	L0d2b1a1a	Botswana	KC345886	L0d2a1a	Botswana
KC345849	L0d2b1a1a	Botswana	KC345887	L0d2a1a	Botswana
KC345850	L0d2b1a1a	Botswana	KC345888	L0d2b1b	Botswana
KC345851	L0k1a2	Botswana	KC345889	L0d2a1a	Botswana
KC345852	L0d1c2a	Botswana	KC345890	L0d2a1a	Botswana
KC345853	L0d1c1a1a1	Botswana	KC345891	L0d2d	Botswana
KC345854	L0d1c1a2	Botswana	KC345892	L0d2c1b	Botswana
KC345855	L0d1a1a1	Botswana	KC345893	L0k1a1a	Botswana
KC345856	L0d1c1a1a1	Botswana	KC345894	L0k1a1	Botswana
KC345857	L0d1c1a2	Botswana	KC345895	L0k1a1a	Botswana
KC345858	L0d1c1a1a1	Botswana	KC345896	L0k1a1a	Botswana
KC345859	L0d1c1a1a1	Botswana	KC345897	L0k1a1d	Botswana
KC345860	L0d1c1a1a1	Botswana	KC345898	L0k1a1a	Botswana
KC345861	L0d1c1a1a1	Botswana	KC345899	L0k1a1	Botswana
KC345862	L0d1c1a1a1	Botswana	KC345900	L0d1b2b1a	Botswana
KC345863	L0d1c1a1a1	Botswana	KC345901	L0d1b2b2c1	Botswana
KC345864	L0d1a1a1	Botswana	KC345902	L0d1b2a2	Botswana
KC345865	L0d2a1a1a	Botswana	KC345903	L0d1b2a2	Botswana
KC345866	L0d2a1a	Botswana	KC345904	L0d1b2b1a	Botswana
KC345867	L0d1b2b1a	Botswana	KC345905	L0d1a1b	Botswana
KC345868	L0d1b2b2c1	Botswana	KC345906	L0d1c1a1b	Botswana
KC345869	L0d1b2a1	Botswana	KC345907	L0d1c1a1b	Botswana

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.

(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC345908	L0d1b2b1a	Botswana	KC345946	L0d1c1a1a	Botswana
KC345909	L0d1b1a1	Botswana	KC345947	L0d1c1a1a	Botswana
KC345910	L0d2a2	Botswana	KC345948	L0d1b2a2	Botswana
KC345911	L0d2a1a1	Botswana	KC345949	L0d1b2b1a	Botswana
KC345912	L0d2b1a1a	Botswana	KC345950	L0d1c1a2	Botswana
KC345913	L0k1a1d	Botswana	KC345951	L0d1b2b2a	Botswana
KC345914	L0k1a1	Botswana	KC345952	L0d2a1a1	Botswana
KC345915	L0k1a1	Botswana	KC345953	L0d2a2	Botswana
KC345916	L0k1a1d	Botswana	KC345954	L0d2b1b	Botswana
KC345917	L0d1c	Botswana	KC345955	L0d2a1a1a	Botswana
KC345918	L0d1b1a1	Botswana	KC345956	L0d2b1a1	Botswana
KC345919	L0d1c1a1a	Botswana	KC345957	L0d2b1a1a	Botswana
KC345920	L0d1c1	Botswana	KC345958	L0d2a1a	Botswana
KC345921	L0d1b2b2a	Botswana	KC345959	L0d2b1b	Botswana
KC345922	L0k2a1	Botswana	KC345960	L0d2a1a1a	Botswana
KC345923	L0d1b2b1b	Botswana	KC345961	L0k1a2	Botswana
KC345924	L0d1b2b2	Botswana	KC345962	L0k1a1	Botswana
KC345925	L0d1b2a1	Botswana	KC345963	L0k1a1	Botswana
KC345926	L0d1b2b1b	Botswana	KC345964	L0k1a1a	Botswana
KC345927	L0d2a1b	Botswana	KC345965	L0k1a1b	Botswana
KC345928	L0d2a1a3	Botswana	KC345966	L0k1a1d	Botswana
KC345929	L0d2a1b	Botswana	KC345967	L0d1c1a1a1	Botswana
KC345930	L0d3b1	Botswana	KC345968	L0d1c1a1b	Botswana
KC345931	L0d3b2	Botswana	KC345969	L0d1a1b1a	Botswana
KC345932	L0d1c1a1a	Botswana	KC345970	L0d1b2b2a	Botswana
KC345933	L0d1c1a1	Botswana	KC345971	L0d1a1b1a	Botswana
KC345934	L0d1c1a1a	Botswana	KC345972	L0d1b2a1	Botswana
KC345935	L0d1c1a1a	Botswana	KC345973	L0d1a1b1a	Botswana
KC345936	L0d1c1a1b	Botswana	KC345974	L0d1a1b	Botswana
KC345937	L0d1b2b1a	Botswana	KC345975	L0d1c1a1a	Botswana
KC345938	L0d1c2a1	Botswana	KC345976	L0d1a1b1a	Botswana
KC345939	L0d1c1a1a1	Botswana	KC345977	L0d1b2b2b	Botswana
KC345940	L0d1c1a2	Botswana	KC345978	L0d1a1b1a	Botswana
KC345941	L0d1c1a2	Botswana	KC345979	L0d1a1b1a	Botswana
KC345942	L0d1c1a2	Botswana	KC345980	L0d1a1b1	Botswana
KC345943	L0d1b2b1a	Botswana	KC345981	L0d1c1a2	Botswana
KC345944	L0d1c3	Botswana	KC345982	L0k1a3	Botswana
KC345945	L0d1c1a1a1	Botswana	KC345983	L0d1b2b2a	Botswana

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC345984	L0d1c2a	Botswana	KC346022	L0d2a1a1	Botswana
KC345985	L0d1c	Botswana	KC346023	L0k1a1d	Botswana
KC345986	L0d1c2a	Botswana	KC346024	L0k1a1b	Botswana
KC345987	L0d2a1a1	Botswana	KC346025	L0d1c2a	Botswana
KC345988	L0d2a1a1a	Botswana	KC346026	L0d1c1a1a2	Botswana
KC345989	L0d2a1a1	Botswana	KC346027	L0d1b2a1	Botswana
KC345990	L0d2a1b	Botswana	KC346028	L0d1b2a1	Botswana
KC345991	L0d2a1b	Botswana	KC346029	L0d1b2a1	Botswana
KC345992	L0d2a1a1a	Botswana	KC346030	L0d1c1a1a	Botswana
KC345993	L0d2a1a1a	Botswana	KC346031	L0d1c1a1a	Botswana
KC345994	L0d1c1a1a2	Botswana	KC346032	L0d1c2a	Botswana
KC345995	L0d1c1a2	Botswana	KC346033	L0d2a1a1	Botswana
KC345996	L0d1c1a2	Botswana	KC346034	L0k1a2	Botswana
KC345997	L0d1c1a1a	Botswana	KC346035	L0k1a2	Botswana
KC345998	L0d1c1a1a1	Botswana	KC346036	L0d1b2a1	Botswana
KC345999	L0d1c1a1a	Botswana	KC346037	L0d1c2a1	Botswana
KC346000	L0d1c1a1a1	Botswana	KC346038	L0d1c1a2	Botswana
KC346001	L0d1c1a2	Botswana	KC346039	L0d1c1a1a	Botswana
KC346002	L0d1c1a1a1	Botswana	KC346040	L0d1c1a1a	Botswana
KC346003	L0d1c1a1a	Botswana	KC346041	L0d1c1a1a	Botswana
KC346004	L0d2a1a1a	Botswana	KC346042	L0d1c1a1a1	Botswana
KC346005	L0d2a1b	Botswana	KC346043	L0d1b2a1	Botswana
KC346006	L0d2a1a1	Botswana	KC346044	L0d2a1c	Botswana
KC346007	L0d2a1a1	Botswana	KC346045	L0d2a1c	Botswana
KC346008	L0d2a1a1	Botswana	KC346046	L0k1a2a	Botswana
KC346009	L0d2b1a1a	Botswana	KC346047	L0d1c1a1a	Botswana
KC346010	L0d2a1a1a	Botswana	KC346048	L0k1a1d	Botswana
KC346011	L0d2a1b	Botswana	KC346049	L0k1a1d	Botswana
KC346012	L0d2a1a1	Botswana	KC346050	L0d1b2b2a	Botswana
KC346013	L0d1c1a1a2	Botswana	KC346051	L0d1b2b2a	Botswana
KC346014	L0d1b2a1	Botswana	KC346052	L0d2c2a1a	Botswana
KC346015	L0d1c2a1	Botswana	KC346053	L0d2c2a1a	Botswana
KC346016	L0d1b1a1	Botswana	KC346054	L0k1a1b	Botswana
KC346017	L0d1c2a1	Botswana	KC346055	L0k1a1d	Botswana
KC346018	L0d1c2a1	Botswana	KC346056	L0d1b2b2a	Botswana
KC346019	L0d1c1a1a	Botswana	KC346057	L0d1b2b2a	Botswana
KC346020	L0d2a1a1	Botswana	KC346058	L0d1c1a1a	Botswana
KC346021	L0d2a1a1	Botswana	KC346059	L0d1b2a1	Botswana

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC346060	L0d2c2a1a	Botswana	KC346098	L0d1c1a1a	Namibia
KC346061	L0d2a1a1	Botswana	KC346099	L0d1c1a1b	Namibia
KC346062	L0d2c2a1a	Botswana	KC346100	L0d1c1a1a	Namibia
KC346063	L0k1a1d	Botswana	KC346101	L0d1c1a1b	Namibia
KC346064	L0d1b2b2a	Botswana	KC346102	L0d1a1a2	Namibia
KC346065	L0k1a2	Botswana	KC346103	L0d1c1a1a	Namibia
KC346066	L0d1b2a1	Botswana	KC346104	L0d2c1	Namibia
KC346067	L0d1b2a1	Botswana	KC346105	L0d2c1	Namibia
KC346068	L0d1c1a1a	Botswana	KC346106	L0d2a1a1	Namibia
KC346069	L0d1b2a1	Botswana	KC346107	L0k1a1a	Namibia
KC346070	L0d1b2a1	Botswana	KC346108	L0k1a1c	Namibia
KC346071	L0d2b1a1a	Botswana	KC346109	L0k1a1b	Namibia
KC346072	L0k1a3	Botswana	KC346110	L0k1a1a	Namibia
KC346073	L0k1a3	Botswana	KC346111	L0k1a1	Namibia
KC346074	L0d1b1a	Botswana	KC346112	L0k1a1	Namibia
KC346075	L0d1c1a1a2	Botswana	KC346113	L0k1a1	Namibia
KC346076	L0d1c1a2	Botswana	KC346114	L0k1a1a	Namibia
KC346077	L0d1c1a2	Botswana	KC346115	L0k1a1	Namibia
KC346078	L0d1b1a	Botswana	KC346116	L0d1b1a1	Namibia
KC346079	L0d1c1a2	Botswana	KC346117	L0d1b1a1	Namibia
KC346080	L0d1c1a1a1	Botswana	KC346118	L0k1a2	Namibia
KC346081	L0d1c2a1	Botswana	KC346119	L0k1a2	Namibia
KC346082	L0d1c1a2	Botswana	KC346120	L0d1b1a1	Namibia
KC346083	L0k1a2	Botswana	KC346121	L0k1b	Namibia
KC346084	L0d1c1a2	Botswana	KC346122	L0d1b1a1	Namibia
KC346085	L0d1c1a1b	Botswana	KC346123	L0d1c1a1a	Namibia
KC346086	L0d2c1a	Botswana	KC346124	L0d1b2a1	Namibia
KC346087	L0d2a1a	Botswana	KC346125	L0d1b1b1	Namibia
KC346088	L0d1c1a1a	Botswana	KC346126	L0d1b2b1a	Namibia
KC346089	L0d1c1a1a	Botswana	KC346127	L0d2a1a1	Namibia
KC346090	L0d2a1	Botswana	KC346128	L0d1b2b1b	Namibia
KC346091	L0d2a1a3	Botswana	KC346129	L0d1a1c	Namibia
KC346092	L0d1a1c	Namibia	KC346130	L0d2b1b	Namibia
KC346093	L0d1b2b2c2	Namibia	KC346131	L0d2c1b	Namibia
KC346094	L0d1c1a1b	Namibia	KC346132	L0d2c1b	Namibia
KC346095	L0d1c1a1a	Namibia	KC346133	L0k1a1c	Namibia
KC346096	L0d1c1a1b	Namibia	KC346134	L0d1c1a1b	Namibia
KC346097	L0d1c1a1a	Namibia	KC346135	L0d1b2b2c2	Namibia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC346136	L0d1b2b2c1	Namibia	KC346174	L0d2a1a	Namibia
KC346137	L0d1c1a1b	Namibia	KC346175	L0d1a1b1a	Namibia
KC346138	L0d1b2b1b	Namibia	KC346176	L0d1a1b1a	Namibia
KC346139	L0d1b2b2c1	Namibia	KC346177	L0d1b2b2c1	Namibia
KC346140	L0d1c1a1b	Namibia	KC346178	L0d2a1a	Namibia
KC346141	L0d1b2b2c2	Namibia	KC346179	L0k1a1	Namibia
KC346142	L0d1c1a1b	Namibia	KC346180	L0k1a1a	Namibia
KC346143	L0d1b2b2c2	Namibia	KC346181	L0d1b2a2	Namibia
KC346144	L0d1c1a	Namibia	KC346182	L0d1b2a2	Namibia
KC346145	L0d2a1a1	Namibia	KC346183	L0d1c2	Namibia
KC346146	L0d2c2	Namibia	KC346184	L0d1b2a2	Namibia
KC346147	L0d2b1b	Namibia	KC346185	L0d1c1a1b	Namibia
KC346148	L0d3b1	Namibia	KC346186	L0d1c3	Namibia
KC346149	L0k1a1	Namibia	KC346187	L0d1b2b1a	Namibia
KC346150	L0k1a1	Namibia	KC346188	L0d1c1a1b	Namibia
KC346151	L0d1b2b1b	Namibia	KC346189	L0d1a1b	Namibia
KC346152	L0d1b2a1	Namibia	KC346190	L0d1c1a1a	Namibia
KC346153	L0d1c1a1a	Namibia	KC346191	L0d1c3	Namibia
KC346154	L0d2b1b	Namibia	KC346192	L0d1c1a1a	Namibia
KC346155	L0d2b1b	Namibia	KC346193	L0d2a1c	Namibia
KC346156	L0d2c1b	Namibia	KC346194	L0d2a1a	Namibia
KC346157	L0d2c1a	Namibia	KC346195	L0d2a1a	Namibia
KC346158	L0d2c1b	Namibia	KC346196	L0d2a1a1	Namibia
KC346159	L0k1a1	Namibia	KC346197	L0d2a1c	Namibia
KC346160	L0k1a1c	Namibia	KC346198	L0d2a1c	Namibia
KC346161	L0k1a1	Namibia	KC346199	L0k1a2a	Namibia
KC346162	L0k1a1a	Namibia	KC346200	L0k1a1	Namibia
KC346163	L0d1b2b2b1	Namibia	KC346201	L0k1a1	Namibia
KC346164	L0d1b2b1b	Namibia	KC346202	L0k1a2a	Namibia
KC346165	L0d1b2b2b1	Namibia	KC346203	L0k1a2a	Namibia
KC346166	L0d1c1a1b	Namibia	KC346204	L0k1a1a	Namibia
KC346167	L0d2b1b	Namibia	KC346205	L0k1a1d	Namibia
KC346168	L0d2a1a	Namibia	KC346206	L0d2c1a1	Namibia
KC346169	L0d2b1b	Namibia	KC346207	L0d2b1a	Namibia
KC346170	L0d1b2b2c1	Namibia	KC346208	L0d1c1a1a	Namibia
KC346171	L0d1b2a1	Namibia	KC346209	L0d1b2b2b1	Namibia
KC346172	L0d1c1a1b	Namibia	KC346210	L0d2c1a	Namibia
KC346173	L0d1b2b2a	Namibia	KC346211	L0d2a1a	Namibia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC346212	L0d1c1a1b	Namibia	KC533453	L3e1b2	South Africa
KC346213	L0d1b2b2b1	Namibia	KC533454	L2a1b1a	South Africa
KC346214	L0d1b2b2a	Namibia	KC533455	L2c2b1b	South Africa
KC346215	L0d1b2a1	Namibia	KC533456	L1c2a3a	South Africa
KC346216	L0d1b2b2a	Namibia	KC533458	L3d1a1a1	South Africa
KC346217	L0d2c2a	Namibia	KC533460	L3e1a1a	South Africa
KC346218	L0d2c2b	Namibia	KC533461	L3e1a1a	South Africa
KC346219	L0d2c2b	Namibia	KC533462	L2a1a2	South Africa
KC346220	L0d2a1a	Namibia	KC533463	L3e3b1	South Africa
KC346221	L0d2a1a3	Namibia	KC533466	L0a1b1a1	South Africa
KC346222	L0d2c1a	Namibia	KC533467	L1c2a3a	South Africa
KC346223	L0d2d	Namibia	KC533469	L3e1b2	South Africa
KC346224	L0d3b2	Namibia	KC533470	L3e1f1a	South Africa
KC346225	L0d1a1b1b	Namibia	KC533472	L2a1g	South Africa
KC346226	L0d1a1a	Namibia	KC533474	L3b1a11	South Africa
KC346227	L0d1a1a3	Namibia	KC533475	L0d3b	South Africa
KC346228	L0d1a1a3	Namibia	KC533476	L0a1b1a1	South Africa
KC346229	L0d3b1	Namibia	KC533477	L0d2a1b	South Africa
KC346230	L0k1b	Namibia	KC533478	L0d1a1b1b	South Africa
KC346231	L0d1c1a1a2	Namibia	KC533479	L0a2a2a	South Africa
KC346232	L0d1c1a1a	Namibia	KC533480	L1c2a3a	South Africa
KC346233	L0k2a	Zambia	KC533481	L0d2a1	South Africa
KC346234	L0d1b1c	Zambia	KC533483	L3e1a1a	South Africa
KC346235	L0d1b1b1	Zambia	KC533484	L3e3a	South Africa
KC346236	L0d1b1c	Zambia	KC533485	L2a1b1a	South Africa
KC346237	L0d1c2	Zambia	KC533486	L0d2a1a	South Africa
KC346238	L0d1c2	Zambia	KC533487	L0d1a1d	South Africa
KC346239	L0d1c2	Zambia	KC533488	L3e1a3a	South Africa
KC346240	L0d2a2	Zambia	KC533490	L0d1c1a	South Africa
KC346241	L0k1b	Zambia	KC533494	L0d2c1	South Africa
KC346242	L0k2b	Zambia	KC533495	L0a2a2a	South Africa
KC346243	L0d1b1c	Zambia	KC533496	L0a1b1a1	South Africa
KC346244	L0d1b1b1	Zambia	KC533497	L0d1a1c	South Africa
KC346245	L0d1b2a2	Zambia	KC533498	L0a1b1a1	South Africa
KC346246	L0d1c2	Zambia	KC533500	L2a1f3	South Africa
KC346247	L0d1b2b2b	Zambia	KC533502	L0d2a1a	South Africa
KC346248	L0d1b1b1	Zambia	KC533503	L2a1b1a	South Africa
KC533452	L3e1a1a	South Africa	KC533504	L2a1b1a	South Africa

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC533506	L3e1a1a	South Africa	KC622084	L3d3a1a	Namibia
KC533508	L2a1b1a	South Africa	KC622085	L3f1b4a	Namibia
KC533509	L0a2a2a	South Africa	KC622086	L3f1b4a	Namibia
KC533510	L0d2a1	South Africa	KC622087	L3d3a1a	Namibia
KC533512	L3e1b2	South Africa	KC622088	L3d3a1a	Namibia
KC533513	L2b2a	South Africa	KC622089	L3d3a1	Namibia
KC533514	L1c1	South Africa	KC622090	L3d3a1	Namibia
KC533516	L0d2a1a	South Africa	KC622091	L3f1b4a	Namibia
KC533518	L3e1b2	South Africa	KC622092	L3d3a1a	Namibia
KC622055	L3e3b1	Botswana	KC622093	L3f1b4a	Namibia
KC622056	L0a2a2a	Botswana	KC622094	L3f1b4a	Namibia
KC622057	L2a1b1a	Botswana	KC622095	L3f1b4a	Namibia
KC622058	L3f2a1	Botswana	KC622096	L3d3a1	Namibia
KC622059	L3e1b2	Botswana	KC622097	L3d3a1a	Namibia
KC622060	L1c2b1b1	Botswana	KC622098	L3e2b1	Namibia
KC622061	L3e1	Botswana	KC622099	L3d3a1a	Namibia
KC622062	L2a1b1a	Botswana	KC622100	L0g	Namibia
KC622063	L0a1b1a1	Botswana	KC622101	L3d3a1	Namibia
KC622064	L0a2a2a	Botswana	KC622102	L3d3a1a	Namibia
KC622065	L0a2a1a2	Botswana	KC622103	L3f1b4a	Namibia
KC622066	L2a1b1a	Botswana	KC622104	L0a1b1a1	Namibia
KC622067	L0a1b1a1	Botswana	KC622105	L2a1f	Namibia
KC622068	L0a1b1a1	Botswana	KC622106	L0a1b1a1	Botswana
KC622069	L2a1a2	Botswana	KC622107	L0a1b1a	Botswana
KC622070	L2a1a2	Botswana	KC622108	L3d3a1	Namibia
KC622071	L2a1b1a	Botswana	KC622109	L5a2	Botswana
KC622072	L2a1a2	Botswana	KC622110	L2a1d2	Botswana
KC622073	L3f1b1a	Botswana	KC622111	L5a2	Botswana
KC622074	L2a1d2	Botswana	KC622112	L0a1b1a1	Botswana
KC622075	L2c2b1b	Botswana	KC622113	L3e1b2	Botswana
KC622076	L2a1f	Botswana	KC622114	L0a1b1a1	Botswana
KC622077	L0a1b1a1	Botswana	KC622115	L0a1b1a1	Botswana
KC622078	L0a1b1a1	Botswana	KC622116	L3e1a3a	Botswana
KC622079	L3e1a2	Namibia	KC622117	L0a1b1a1	Botswana
KC622080	L3d3a1a	Namibia	KC622118	L2a1f3	Botswana
KC622081	L3d3a1a	Namibia	KC622119	L3e1b2	Botswana
KC622082	L3f1b4a	Namibia	KC622120	L3f1b4a	Namibia
KC622083	L3f1b4a	Namibia	KC622121	L0a1b1a1	Namibia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC622122	L3d3a1a	Namibia	KC622160	L3f1b4a	Namibia
KC622123	L3f1b4a	Namibia	KC622161	L3d3a1	Namibia
KC622124	L3d3a1a	Namibia	KC622162	L1b1a	Namibia
KC622125	L1c1b	Namibia	KC622163	L2b1a3	Namibia
KC622126	L3d3a1	Namibia	KC622164	L0a1b1a1	Namibia
KC622127	L2b1a3	Namibia	KC622165	L3e1a2	Namibia
KC622128	L3e1a2	Namibia	KC622166	L3e1a2	Namibia
KC622129	L3d3a1	Namibia	KC622167	L3e1a2	Namibia
KC622130	L3e1a2	Namibia	KC622168	L3e1a2	Namibia
KC622131	L1b1a	Namibia	KC622169	L2a1i1	Namibia
KC622132	L3e3b1	Namibia	KC622170	L1c2a1a	Namibia
KC622133	L1c3a1a	Namibia	KC622171	L3e1e1	Namibia
KC622134	L3d3a1a	Namibia	KC622172	L3e2b+152	Namibia
KC622135	L3e1a2	Namibia	KC622173	L1c2b1b1	Namibia
KC622136	L3d3a1a	Namibia	KC622174	L3d3a1a	Namibia
KC622137	L3d3a1a	Namibia	KC622175	L3d3a1	Namibia
KC622138	L3f1b4a	Namibia	KC622176	L0g	Namibia
KC622139	L3f1b4a	Namibia	KC622177	L3d3a1a	Namibia
KC622140	L3d3a1a	Namibia	KC622178	L1b1a	Namibia
KC622141	L3d3a1a	Namibia	KC622179	L4b2a2c	Botswana
KC622142	L3e1a2	Namibia	KC622180	L1c3a1a	Namibia
KC622143	L3e1a2	Namibia	KC622181	L3d3a1a	Namibia
KC622144	L3f1b4a	Namibia	KC622182	L3d3a1a	Namibia
KC622145	L3e1a2	Namibia	KC622183	L3e1e1	Namibia
KC622146	L3d3a1a	Namibia	KC622184	L2a1a3c	Namibia
KC622147	L3d3a1a	Namibia	KC622185	L3d1a1a	Namibia
KC622148	L3d3a1a	Namibia	KC622186	L3d3a1a	Namibia
KC622149	L3d3a1a	Namibia	KC622187	L0a2a2a	Namibia
KC622150	L0g	Namibia	KC622188	L3d3a1a	Namibia
KC622151	L0g	Namibia	KC622189	L3d3a1a	Namibia
KC622152	L3f1b1a1	Namibia	KC622190	L3d3a1a	Namibia
KC622153	L3d3a1a	Namibia	KC622191	L1c2a3	Namibia
KC622154	L0a2a1a	Namibia	KC622192	L3d3a1a	Namibia
KC622155	L1c2a3	Namibia	KC622193	L3d3a1a	Namibia
KC622156	L3e1a2	Namibia	KC622194	L1c2a3	Namibia
KC622157	L3d3a1a	Namibia	KC622195	L3d3a1a	Namibia
KC622158	L3f1b4a	Namibia	KC622196	L3e1a2	Namibia
KC622159	L2a1q	Namibia	KC622197	L3e1a2	Namibia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC622198	L3d3a1a	Namibia	KC622236	L2a1c	Botswana
KC622199	L3d3a1a	Namibia	KC622237	L3e1e1	Botswana
KC622200	L3d3a1a	Namibia	KC622238	L2a1a	Botswana
KC622201	L3d3a1a	Namibia	KC622239	L3e1e1	Botswana
KC622202	L3e2b	Namibia	KC622240	L3e1e1	Botswana
KC622203	L3d3a1a	Namibia	KC622241	L3d3a1	Botswana
KC622204	L3d3a1a	Namibia	KC622242	L3f1b1a	Botswana
KC622205	L3e1a2	Namibia	KC622243	L2a1d2	Botswana
KC622206	L3d3a1a	Namibia	KC622244	L2a1a	Botswana
KC622207	L3d3a1a	Namibia	KC622245	L2a1b1a	Botswana
KC622208	L3f1b4a	Namibia	KC622246	L2a1d2	Botswana
KC622209	L3d3a1a	Namibia	KC622247	L3d3a1	Botswana
KC622210	L3f1b4a	Namibia	KC622248	L2a1d2	Botswana
KC622211	L3d3a1a	Namibia	KC622249	L0a2a2a	Botswana
KC622212	L3h1b2	Namibia	KC622250	L5b1	Botswana
KC622213	L3d3a1a	Namibia	KC622251	L5b1	Botswana
KC622214	L3d3a1a	Namibia	KC622252	L3b1a1	Botswana
KC622215	L4b2a2c	Botswana	KC622253	L3d3a1	Botswana
KC622216	L3e2b	Botswana	KC622254	L2a1d2	Botswana
KC622217	L3e2b	Botswana	KC622255	L5a2	Botswana
KC622218	L4b2a2c	Botswana	KC622256	L5a2	Botswana
KC622219	L3d3a1	Botswana	KC622257	L3e1a2	Botswana
KC622220	L2a1f	Botswana	KC622258	L4b2a2c	Botswana
KC622221	L2b1a3	Botswana	KC622259	L4b2a2c	Botswana
KC622222	L0a1b1a1	Botswana	KC622260	L3e2b	Botswana
KC622223	L1b1a10b	Botswana	KC622261	L1b1a10b	Botswana
KC622224	L3e1a2	Botswana	KC622262	L3d3a1	Botswana
KC622225	L3d3a1b	Botswana	KC622263	L3d1a1a1	Botswana
KC622226	L4b2a2c	Botswana	KC622264	L3d1a1a1	Botswana
KC622227	L3e1e1	Botswana	KC622265	L2a1c	Botswana
KC622228	L3e2b3	Botswana	KC622267	L2a1h	Botswana
KC622229	L3d1a1a1	Botswana	KC622268	L3e1e1	Botswana
KC622230	L3f1b4c	Botswana	KC622269	L3f1b1a	Botswana
KC622231	L1c2b1b1	Botswana	KC622270	L2a1d2	Botswana
KC622232	L3e1e1	Botswana	KC622271	L1c2b1b	Botswana
KC622233	L1c2b1b1	Botswana	KC622272	L0a1b1a1	Botswana
KC622234	L3e1e1	Botswana	KC911354	L2a1f3	Iran
KC622235	L3e1e1	Botswana	KC911360	L3f1b+16292	Iran

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KC911364	L5b1a	Iran	KF055328	L3e1a1a	USA
KC911395	L2a1f3	Iran	KF055329	L3f1b1a	USA
KC911506	L3e3a	Iran	KF055330	L2c	USA
KC911529	L3d1a1a	Iran	KF055331	L1c4b	USA
KC911533	L3d1a1a	Iran	KF055332	L2a1c4a1	USA
KF011502	L3f1b	Spain	KF055869	L2c	Spain
KF011503	L3f1b	Spain	KF055870	L2c	Spain
KF055291	L1b1a3	USA	KF161500	L3b1a1a	Denmark
KF055293	L3e2b8	USA	KF162786	L4b	Denmark
KF055296	L3d1a1a	USA	KF179062	L1b1a8	USA
KF055297	L3d1b3	USA	KF255394	L2a1l1a	Dominican Republic
KF055298	L1c3a	USA	KF358472	L3e5e	Cameroon
KF055299	L2a1i1	USA	KF358473	L3e5c	Cameroon
KF055300	L3e3b	USA	KF358474	L3e5c	Cameroon
KF055302	L0a1a+200	USA	KF358475	L3e5a1a	Cameroon
KF055303	L1b1a10	USA	KF358476	L3e5b	Niger
KF055304	L3e2b+152	USA	KF358477	L3e5a1a	Cameroon
KF055305	L1b1a	USA	KF358478	L3e5	Cameroon
KF055306	L3b1a	USA	KF358479	L3e5	Chad
KF055307	L3e2b+152	USA	KF358480	L3e5f	Chad
KF055308	L3e1e	USA	KF358481	L3e5f	Chad
KF055309	L3d1a1a1	USA	KF358482	L3e5c	Nigeria
KF055310	L2c	USA	KF358483	L3e5b	Nigeria
KF055311	L2c2a	USA	KF358484	L3e5d	Nigeria
KF055313	L1b1a	USA	KF358485	L3e5	Cameroon
KF055314	L1b1	USA	KF358486	L3e5b	Cameroon
KF055315	L3e1e	USA	KF358487	L3e5d	Cameroon
KF055317	L1c2b2	USA	KF358488	L3e5b	Cameroon
KF055318	L2a1a1	USA	KF358489	L3e5b	Cameroon
KF055319	L2c	USA	KF358490	L3e5e	Cameroon
KF055320	L3e2b1a1	USA	KF358712	L1c3b1a	Puerto Rico
KF055321	L3e4a	USA	KF450887	L1b1a3a	Pakistan
KF055322	L1b1a18	USA	KF450890	L2a1f3	Pakistan
KF055323	L2a1c+16129	USA	KF450894	L3d1a1a	Pakistan
KF055324	L3b1a4	USA	KF450895	L2a1g	Pakistan
KF055325	L2c1	USA	KF450901	L0a1b1a1	Pakistan
KF055326	L2a1a2	USA	KF450910	L2a1a2	Pakistan
KF055327	L2a1e1	USA	KF450917	L1c2b2	Pakistan

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KF450918	L1c2b2	Pakistan	KF451141	L2a1c3a	Israel
KF450919	L0a2a2a	Pakistan	KF451144	L0a1b1a	Israel
KF450936	L0d3	Pakistan	KF451149	L2b1a2	Israel
KF451012	L1c4b	Central African Republic	KF451150	L1b1a2	Israel
KF451013	L0a2b	Congo	KF451154	L0a1a1	Israel
KF451014	L2a2b1a	Congo	KF451163	L0a1a	Israel
KF451015	L1c1a1a1a	Central African Republic	KF451169	L3h1a2a1	Israel
KF451016	L1c1a2a2	Central African Republic	KF451202	L2a1c+16129	Israel
KF451017	L0a2a1	Central African Republic	KF451203	L3f1b+16292	Israel
KF451018	L1c1a1a1a	Central African Republic	KF451221	L3e1b1	Israel
KF451019	L1c1a1a1a	Central African Republic	KF451224	L1b1a2	Israel
KF451020	L0a2b	Congo	KF451250	L3e3a	Israel
KF451021	L0a2a1	Central African Republic	KF451254	L2a1+143+16189	Israel
KF451022	L1c1a2a1	Central African Republic	KF451258	L2a1+143+16189	Israel
KF451023	L1c1a1a1b1	Central African Republic	KF451260	L3e1b1	Israel
KF451024	L1c1a1a1b	Central African Republic	KF451418	L3d1b	Senegal
KF451025	L1c4b	Central African Republic	KF451419	L1b1a4a	Senegal
KF451026	L5a1c	Congo	KF451420	L1b1a14	Senegal
KF451027	L2a2b1a	Congo	KF451421	L1b1a17	Senegal
KF451028	L1c1a1a1a	Central African Republic	KF451422	L2a1c3b1	Senegal
KF451029	L0a2a1	Central African Republic	KF451423	L3d1d	Senegal
KF451030	L1c1a2b	Central African Republic	KF451424	L3e4a1	Senegal
KF451031	L0a2b	Congo	KF451425	L1b1a	Senegal
KF451032	L2a2b1a	Congo	KF451426	L3b1a	Senegal
KF451033	L1c1a1a1b1	Central African Republic	KF451427	L1b1a17	Senegal
KF451034	L1c4b	Central African Republic	KF451428	L2a1c3b1	Senegal
KF451035	L2a4a	Congo	KF451429	L3b1a	Senegal
KF451036	L1c4b	Central African Republic	KF451430	L2c3a	Senegal
KF451037	L1c1a2b	Central African Republic	KF451431	L2a1c1	Senegal
KF451038	L2a2a1	Congo	KF451432	L3e4a1	Senegal
KF451039	L1c4b	Central African Republic	KF451433	L2c5	Senegal
KF451040	L0a2b1	Congo	KF451434	L2a1c5	Nigeria
KF451041	L1c1a2a2	Central African Republic	KF451435	L2a1c5	Nigeria
KF451042	L2a4a	Congo	KF451436	L3f1b4c	Nigeria
KF451043	L1c1a1a1a	Central African Republic	KF451437	L3f1b4c	Nigeria
KF451096	L2a1+143+16189	Israel	KF451438	L1b1a3	Nigeria
KF451132	L2a1+143+16189	Israel	KF451439	L3f1b4c	Nigeria
KF451138	L2b1a2	Israel	KF451440	L3f1b1a	Nigeria

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KF451441	L1b1a	Nigeria	KF451545	L0d1c1a1a	Namibia
KF451442	L2a1f	Nigeria	KF451589	L2a2b1a	Congo
KF451443	L2a1a2b	Nigeria	KF451590	L1c1a2b	Central African Republic
KF451444	L3e1	Nigeria	KF451591	L1c1a1a1a	Central African Republic
KF451445	L2a1f	Nigeria	KF451592	L1c1a2b	Central African Republic
KF451446	L3d6	Nigeria	KF451593	L1c1a2a2	Central African Republic
KF451447	L3e2a2	Nigeria	KF451594	L1c1a2b	Central African Republic
KF451448	L3f1b4b	Nigeria	KF451595	L1c1a1a1a	Central African Republic
KF451449	L1b1a18	Nigeria	KF451596	L1c1a1a1a	Central African Republic
KF451450	L2a1a2b	Nigeria	KF451597	L1c4b	Central African Republic
KF451451	L3e1e	Nigeria	KF451598	L0a2a1	Central African Republic
KF451452	L2a1f2	Nigeria	KF451599	L1c1a2b	Central African Republic
KF451453	L2a1c5	Nigeria	KF451600	L1c4b	Central African Republic
KF451454	L1c3a1b	Nigeria	KF451653	L2c3a	Senegal
KF451455	L1b1a10	Nigeria	KF451654	L2c1a	Senegal
KF451456	L2a1a3c	Nigeria	KF451655	L2c1a	Senegal
KF451457	L2a1i1	Nigeria	KF451656	L1b1a4	Senegal
KF451458	L3e3b1	Nigeria	KF451712	L3e2b1	Algeria
KF451495	L1c4b	Central African Republic	KF451714	L2a1+143	Algeria
KF451496	L0a2b	Congo	KF451723	L3e2a	Algeria
KF451497	L2a2b2	Congo	KF451729	L3b1a7	Algeria
KF451498	L0a2b	Congo	KF451734	L3e2a1b1	Algeria
KF451499	L1c1a2b	Central African Republic	KF451735	L2a1c2	Senegal
KF451500	L1c4b	Central African Republic	KF451736	L2c3a	Senegal
KF451501	L0d1b2a1	Namibia	KF451737	L2a1c3b1	Senegal
KF451502	L4b2a2c	Namibia	KF451738	L1b1a	Senegal
KF451503	L0d1c3	Namibia	KF451850	L3b1a1a	Kenya
KF451504	L0k1a1a	Namibia	KF451851	L0a2a2a	Kenya
KF451505	L2a1b1a	South Africa	KF451852	L2a1f3	Kenya
KF451506	L0a2a2a	South Africa	KF451853	L1c2a1a	Kenya
KF451537	L3d3a1a	South Africa	KF451854	L3b1a1a	Kenya
KF451538	L0d1b2b2c1	Namibia	KF451855	L1c2a1a	Kenya
KF451539	L0d2a1a	South Africa	KF451856	L3b1a1a	Kenya
KF451540	L3d3a1a	South Africa	KF451857	L5a1	Kenya
KF451541	L0d1b2a1	Namibia	KF451858	L3h1a1	Kenya
KF451542	L0d1a1a1	South Africa	KF451859	L3e2b+152	Kenya
KF451543	L0d1b2b2b1	South Africa	KF451860	L0a1a1	Kenya
KF451544	L3d3a1a	South Africa	KF451861	L0a1a2	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KF672796	L0a	Cameroon	KF672834	L0a2a1a2	São Tomé e Príncipe
KF672797	L0k2a1	Mozambique	KF672835	L0a2a2a	Somalia
KF672798	L0k2a	Mozambique	KF672836	L0a1a1	Sudan
KF672799	L0d1a1a	Mozambique	KF672837	L0a1a1	Sudan
KF672800	L0b	Kenya	KF952774	L2a1l1a2	USA
KF672801	L0d2c1	Mozambique	KJ185394	L0a2a2a	Zambia
KF672802	L0d2b2	Mozambique	KJ185395	L3f1b4c	Zambia
KF672803	L0d1c	Mozambique	KJ185396	L0a2a1a	Zambia
KF672804	L0d1c	Mozambique	KJ185397	L0a2a1b	Zambia
KF672805	L0a1b1a1	Mozambique	KJ185398	L0a1b1	Zambia
KF672806	L0a1b1a1a	Mozambique	KJ185399	L0a2d	Zambia
KF672807	L0a1b1a	Chad	KJ185400	L0f1	Zambia
KF672808	L0a1e	Mozambique	KJ185401	L1b1a+189	Zambia
KF672809	L0f2a1	Somalia	KJ185402	L1c3b1a	Zambia
KF672810	L0a2	Somalia	KJ185403	L2a1d2	Zambia
KF672811	L0a1	Chad	KJ185404	L3b1b	Zambia
KF672812	L0a1d	Ethiopia	KJ185405	L3e1a1a	Zambia
KF672813	L0a2c	Somalia	KJ185406	L3f1b4c	Zambia
KF672814	L0f2b	Sudan	KJ185407	L4b2a	Zambia
KF672815	L0a1d	Kenya	KJ185408	L0f1	Zambia
KF672816	L0d1b2b2a	Mozambique	KJ185409	L3d1a1a	Zambia
KF672817	L0f	Somalia	KJ185410	L3e1d1	Zambia
KF672818	L0d2c1	Mozambique	KJ185411	L3f1b1a1	Zambia
KF672819	L0a2a2a	Mozambique	KJ185412	L1b1a15	Zambia
KF672820	L0a1d	Somalia	KJ185413	L1b1a3	Zambia
KF672821	L0a1a+200	Ethiopia	KJ185414	L3b1a	Zambia
KF672822	L0a1a2	São Tomé e Príncipe	KJ185415	L3b1a	Zambia
KF672823	L0d3	Somalia	KJ185416	L3e2b+152	Zambia
KF672824	L0a2a2a	São Tomé e Príncipe	KJ185417	L1b1a3	Zambia
KF672825	L0a2a2a	Somalia	KJ185418	L1c2b1b1	Zambia
KF672826	L0a1a2	São Tomé e Príncipe	KJ185419	L1c2b1b	Zambia
KF672827	L0a1b1a	Cameroon	KJ185420	L1c2a1a	Zambia
KF672828	L0f2b	Sudan	KJ185421	L2d1a	Zambia
KF672829	L0a1a	Chad	KJ185422	L3e2b3	Zambia
KF672830	L0a1a+200	Ethiopia	KJ185423	L0a1b1a1	Zambia
KF672831	L0a2a1a	Niger	KJ185424	L0a2a1a	Zambia
KF672832	L0a2a2a	Mozambique	KJ185425	L0a1b1a1	Zambia
KF672833	L0f2a	Cameroon	KJ185426	L1c2b1b1	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185427	L2a5	Zambia	KJ185465	L1c1	Zambia
KJ185428	L2a1d2	Zambia	KJ185466	L1c2a2	Zambia
KJ185429	L2a1f	Zambia	KJ185467	L1c2b1b	Zambia
KJ185430	L0a1a2	Zambia	KJ185468	L2a1c5	Zambia
KJ185431	L0a1b1a1	Zambia	KJ185469	L3b1a1a	Zambia
KJ185432	L0a1+16293	Zambia	KJ185470	L3b1a11	Zambia
KJ185433	L0a2a1a	Zambia	KJ185471	L3e1e1	Zambia
KJ185434	L1b1a	Zambia	KJ185472	L3e1a3a	Zambia
KJ185435	L1c2b1b1	Zambia	KJ185473	L3e1	Zambia
KJ185436	L1c2b2	Zambia	KJ185474	L3e2b1a2	Zambia
KJ185437	L1c1a2	Zambia	KJ185475	L3e1e1	Zambia
KJ185438	L1c2b1b1	Zambia	KJ185476	L0a2a1b	Angola
KJ185439	L1c2b1b1	Zambia	KJ185477	L0a2a2a	Angola
KJ185440	L2a1a2	Zambia	KJ185478	L0a2a2a	Angola
KJ185441	L2a5	Zambia	KJ185479	L0a2a2a	Angola
KJ185442	L2a1b1a	Zambia	KJ185480	L0a2a1b	Angola
KJ185443	L2b1a3	Zambia	KJ185481	L1c1b	Angola
KJ185444	L2b1b	Zambia	KJ185482	L1c2b2	Angola
KJ185445	L3e2b	Zambia	KJ185483	L1c2b1b1	Angola
KJ185446	L3e1	Zambia	KJ185484	L1c2b1b	Angola
KJ185447	L3e4a	Zambia	KJ185485	L1c3a1a	Angola
KJ185448	L3e1a1a	Zambia	KJ185486	L2a1c+16129	Angola
KJ185449	L3e1a3a	Zambia	KJ185487	L2a1c4a1	Angola
KJ185450	L1c2a1a	Zambia	KJ185488	L2a1c4a1	Angola
KJ185451	L1c3a	Zambia	KJ185489	L2b1a3	Angola
KJ185452	L2a1b1a	Zambia	KJ185490	L3d1a1a	Angola
KJ185453	L1c3a1b	Zambia	KJ185491	L3d3a1	Angola
KJ185454	L1c2a1a	Zambia	KJ185492	L3e1e1	Angola
KJ185455	L2a1a2a1a	Zambia	KJ185493	L3e2b	Angola
KJ185456	L3e3b1	Zambia	KJ185494	L0a2a1b	Angola
KJ185457	L0f1	Zambia	KJ185495	L0a2a1b	Angola
KJ185458	L0a2a2a2	Zambia	KJ185496	L0a2a1b	Angola
KJ185459	L2a1d2	Zambia	KJ185497	L0a1b2	Angola
KJ185460	L2b1a3	Zambia	KJ185498	L0a2a1b	Angola
KJ185461	L0a2a1b	Zambia	KJ185499	L0a2a1b	Angola
KJ185462	L0a2a1b	Zambia	KJ185500	L0a2a1b	Angola
KJ185463	L0a2d	Zambia	KJ185501	L0a2a1b	Angola
KJ185464	L1c2b2	Zambia	KJ185502	L0a1b2	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185503	L0a2a1b	Angola	KJ185541	L0a2a2a1	Zambia
KJ185504	L0a1b1a	Angola	KJ185542	L0a1b1a1	Zambia
KJ185505	L0a2a1b	Angola	KJ185543	L0a2a1b	Zambia
KJ185506	L0a2a1b	Angola	KJ185544	L0a2a2a	Zambia
KJ185507	L0a1b2	Angola	KJ185545	L0a1b1a1	Zambia
KJ185508	L0a2a1b	Angola	KJ185546	L0a2a1b	Zambia
KJ185509	L0a1b1a	Angola	KJ185547	L0a1b1a1	Zambia
KJ185510	L0a1b1	Angola	KJ185548	L0a1b1a1	Zambia
KJ185511	L1b1a+189	Angola	KJ185549	L0a1b1a1	Zambia
KJ185512	L1c2a1b	Angola	KJ185550	L0a2a2a1	Zambia
KJ185513	L1c1b	Angola	KJ185551	L0a1b2a	Zambia
KJ185514	L1c1b	Angola	KJ185552	L0a1b1a1	Zambia
KJ185515	L1c1b	Angola	KJ185553	L0a2a2a1	Zambia
KJ185516	L1c2a1a	Angola	KJ185554	L0a1b1a1	Zambia
KJ185517	L1c1b	Angola	KJ185555	L0a1b1a1	Zambia
KJ185518	L1c1b	Angola	KJ185556	L0a2a2a	Zambia
KJ185519	L1c2b1b	Angola	KJ185557	L0a2a1b	Zambia
KJ185520	L1c1b	Angola	KJ185558	L1b2a	Zambia
KJ185521	L1c3b1a	Angola	KJ185559	L1b2a	Zambia
KJ185522	L1c3b1a	Angola	KJ185560	L1b2a	Zambia
KJ185523	L1c3b1a	Angola	KJ185561	L1b1a10b	Zambia
KJ185524	L1c2b1b	Angola	KJ185562	L1c1d	Zambia
KJ185525	L2a5	Angola	KJ185563	L1c3a	Zambia
KJ185526	L2c2b1b	Angola	KJ185564	L1c2a1a	Zambia
KJ185527	L3e2b+152	Angola	KJ185565	L1c1b	Zambia
KJ185528	L3e4a	Angola	KJ185566	L1c2a1a	Zambia
KJ185529	L3e4a	Angola	KJ185567	L1c2b1b1	Zambia
KJ185530	L3e1e1	Angola	KJ185568	L1c2b1b1	Zambia
KJ185531	L3e1d1	Angola	KJ185569	L1c2b1b1	Zambia
KJ185532	L3f1b4a	Angola	KJ185570	L1c2a1a	Zambia
KJ185533	L3f1b4a	Angola	KJ185571	L1c2a1a	Zambia
KJ185534	L3f1b4a	Angola	KJ185572	L1c2b1b1	Zambia
KJ185535	L3h1b2	Angola	KJ185573	L1c2a1a	Zambia
KJ185536	L3d3a1b	Zambia	KJ185574	L1c1d	Zambia
KJ185537	L3e1a2	Zambia	KJ185575	L1c3a	Zambia
KJ185538	L3e1a3a	Zambia	KJ185576	L1c2b1b1	Zambia
KJ185539	L2c2a1	Zambia	KJ185577	L1c3b1a	Zambia
KJ185540	L0a1b1a1	Zambia	KJ185578	L1c2b1b1	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185579	L1c2b1b1	Zambia	KJ185617	L3e1d1a	Zambia
KJ185580	L1c2b2	Zambia	KJ185618	L3e1d1	Zambia
KJ185581	L1c2a1a	Zambia	KJ185619	L3e3b	Zambia
KJ185582	L2a1f3	Zambia	KJ185620	L3e1a3a	Zambia
KJ185583	L2a1f3	Zambia	KJ185621	L3e1a3a	Zambia
KJ185584	L2a1c5	Zambia	KJ185622	L3e1d1a	Zambia
KJ185585	L2a1c5	Zambia	KJ185623	L3e1e1	Zambia
KJ185586	L2a1d2	Zambia	KJ185624	L3e2b	Zambia
KJ185587	L2a1b1a	Zambia	KJ185625	L3e1d1a	Zambia
KJ185588	L2a1b1a	Zambia	KJ185626	L3e1a3a	Zambia
KJ185589	L2a1a1	Zambia	KJ185627	L3e1d1	Zambia
KJ185590	L2a1d2	Zambia	KJ185628	L3e1a3a	Zambia
KJ185591	L2a1d2	Zambia	KJ185629	L3e1a3a	Zambia
KJ185592	L2a5	Zambia	KJ185630	L3e1e1	Zambia
KJ185593	L2a5	Zambia	KJ185631	L3e2b	Zambia
KJ185594	L2a5	Zambia	KJ185632	L3e2a1b1	Zambia
KJ185595	L2a1c1	Zambia	KJ185633	L3e1a3a	Zambia
KJ185596	L2a1f3	Zambia	KJ185634	L3e1d1	Zambia
KJ185597	L2a1i1	Zambia	KJ185635	L3e2b	Zambia
KJ185598	L2a1i1	Zambia	KJ185636	L3e3b	Zambia
KJ185599	L2b1a3	Zambia	KJ185637	L3e3b2	Zambia
KJ185600	L2b1a3	Zambia	KJ185638	L3e3b1	Zambia
KJ185601	L2c2a1	Zambia	KJ185639	L3e1a3a	Zambia
KJ185602	L2c2b1b	Zambia	KJ185640	L3e3a	Zambia
KJ185603	L2c2a1	Zambia	KJ185641	L3e1d1a	Zambia
KJ185604	L2c2a1	Zambia	KJ185642	L3e1a3a	Zambia
KJ185605	L2c2a1	Zambia	KJ185643	L3e1a3a	Zambia
KJ185606	L2e1a	Zambia	KJ185644	L3e1d1a	Zambia
KJ185607	L2e1a	Zambia	KJ185645	L3e1a3a	Zambia
KJ185608	L2e1a	Zambia	KJ185646	L3e2b	Zambia
KJ185609	L3b1a11	Zambia	KJ185647	L3f1b4a	Zambia
KJ185610	L3b1a11	Zambia	KJ185648	L5a2	Zambia
KJ185611	L3d3a1	Zambia	KJ185649	L5a2	Zambia
KJ185612	L3d3a1b	Zambia	KJ185650	L1c3b1a	Zambia
KJ185613	L3d3a1	Zambia	KJ185651	L1c2a1a	Zambia
KJ185614	L3d4	Zambia	KJ185652	L3e1d1	Zambia
KJ185615	L3d3a1	Zambia	KJ185653	L0a2a1b	Zambia
KJ185616	L3e2b1a2	Zambia	KJ185654	L0a2a1b	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185655	L0a2a2a1	Zambia	KJ185693	L2a1g	Zambia
KJ185656	L0a1a2	Zambia	KJ185694	L2b2a	Zambia
KJ185657	L0a2a2a	Zambia	KJ185695	L2e1a	Zambia
KJ185658	L0a2a2a	Zambia	KJ185696	L3b1a11	Zambia
KJ185659	L0a1b1a1	Zambia	KJ185697	L3d3a1	Zambia
KJ185660	L0a1b1a1	Zambia	KJ185698	L3e1a3a	Zambia
KJ185661	L1b1a	Zambia	KJ185699	L3e3b	Zambia
KJ185662	L1c2b1a'b	Zambia	KJ185700	L3e4a	Zambia
KJ185663	L1c2b1b1	Zambia	KJ185701	L3e1e1	Zambia
KJ185664	L1c1b	Zambia	KJ185702	L3e1a1a	Zambia
KJ185665	L1c2b1b1	Zambia	KJ185703	L3e1a3a	Zambia
KJ185666	L1c3a1b	Zambia	KJ185704	L3e1	Zambia
KJ185667	L1c2b2	Zambia	KJ185705	L3e1a3a	Zambia
KJ185668	L1c2b1b1	Zambia	KJ185706	L3e1d1	Zambia
KJ185669	L1c2b1b1	Zambia	KJ185707	L3e1b2	Zambia
KJ185670	L1c2b1b1	Zambia	KJ185708	L3e1a3a	Zambia
KJ185671	L1c2b1b1	Zambia	KJ185709	L3e3b	Zambia
KJ185672	L1c2a1a	Zambia	KJ185710	L3e3b2	Zambia
KJ185673	L1c2b1b1	Zambia	KJ185711	L3e1a3a	Zambia
KJ185674	L1c1a2	Zambia	KJ185712	L3f2a1	Zambia
KJ185675	L1c1	Zambia	KJ185713	L3f1b1a1	Zambia
KJ185676	L1c2b1b1	Zambia	KJ185714	L5a2	Zambia
KJ185677	L1c2b2	Zambia	KJ185715	L5a2	Zambia
KJ185678	L2a1f	Zambia	KJ185716	L5a2	Zambia
KJ185679	L2a1a2a1a	Zambia	KJ185717	L0a2a1b	Zambia
KJ185680	L2a1f	Zambia	KJ185718	L0a1b1a1	Zambia
KJ185681	L2a1f	Zambia	KJ185719	L0a2a2a1	Zambia
KJ185682	L2a5	Zambia	KJ185720	L0a2a1b	Zambia
KJ185683	L2a1f	Zambia	KJ185721	L0a2a2a	Zambia
KJ185684	L2a5	Zambia	KJ185722	L0a2a1a	Zambia
KJ185685	L2a1f1	Zambia	KJ185723	L1c2b2	Zambia
KJ185686	L2a1d2	Zambia	KJ185724	L1c3a	Zambia
KJ185687	L2a5	Zambia	KJ185725	L1c2b2	Zambia
KJ185688	L2a1a	Zambia	KJ185726	L1c1b	Zambia
KJ185689	L2a1d2	Zambia	KJ185727	L1c3a1	Zambia
KJ185690	L2a1i1	Zambia	KJ185728	L2a1f	Zambia
KJ185691	L2a1d2	Zambia	KJ185729	L2a5	Zambia
KJ185692	L2a1a	Zambia	KJ185730	L2a5	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185731	L2a1c1	Zambia	KJ185769	L2a1a2	Angola
KJ185732	L2a1a2a1a	Zambia	KJ185770	L2a1a3c	Angola
KJ185733	L2a1a2a1a	Zambia	KJ185771	L2a1a3c	Angola
KJ185734	L2a5	Zambia	KJ185772	L2b1a3	Angola
KJ185735	L2a1b1a	Zambia	KJ185773	L2c3	Angola
KJ185736	L3b1a1a	Zambia	KJ185774	L2c2b1b	Angola
KJ185737	L3b1a1	Zambia	KJ185775	L2c2b1b	Angola
KJ185738	L3b1a11	Zambia	KJ185776	L3b1a1a	Angola
KJ185739	L3e1a3a	Zambia	KJ185777	L3b1a1a	Angola
KJ185740	L3e1d1	Zambia	KJ185778	L3b1a10	Angola
KJ185741	L3e4a	Zambia	KJ185779	L3d1a1a	Angola
KJ185742	L3e1a3a	Zambia	KJ185780	L3d3a1	Angola
KJ185743	L3e1a3a	Zambia	KJ185781	L3e2b	Angola
KJ185744	L3e4a	Zambia	KJ185782	L3e1	Angola
KJ185745	L3e4a	Zambia	KJ185783	L3e4a	Angola
KJ185746	L3e4a	Zambia	KJ185784	L3e1e1	Angola
KJ185747	L3e1f1a	Zambia	KJ185785	L3e3b1	Angola
KJ185748	L5a2	Zambia	KJ185786	L3e1a2	Angola
KJ185749	L0a2a2a	Angola	KJ185787	L3e2b1a2	Angola
KJ185750	L0a1b2	Angola	KJ185788	L3e3b1	Angola
KJ185751	L0a2a1a	Angola	KJ185789	L3e1e1	Angola
KJ185752	L0a2a1a	Angola	KJ185790	L3e2b	Angola
KJ185753	L0a1b1a	Angola	KJ185791	L3e2b1a2	Angola
KJ185754	L0a1a2	Angola	KJ185792	L3e1e1	Angola
KJ185755	L0a2a1b	Angola	KJ185793	L3e1a1a	Angola
KJ185756	L0a1b1a	Angola	KJ185794	L3e2b1a2	Angola
KJ185757	L0a1b1a	Angola	KJ185795	L3f1b4a	Angola
KJ185758	L0a1b2	Angola	KJ185796	L3f1b4a	Angola
KJ185759	L0a1b1a	Angola	KJ185797	L3f1b4a	Angola
KJ185760	L1b1a15	Angola	KJ185798	L3f1b4a	Angola
KJ185761	L1c2b1b	Angola	KJ185799	L3f1b1a	Angola
KJ185762	L1c1b	Angola	KJ185800	L3f1b4a	Angola
KJ185763	L1c2b1b1	Angola	KJ185801	L3f1b4a	Angola
KJ185764	L1c2a3	Angola	KJ185802	L0a2a2a	Angola
KJ185765	L1c2a2	Angola	KJ185803	L0a2a2a1	Angola
KJ185766	L1c3b1a	Angola	KJ185804	L0a2a2a	Angola
KJ185767	L1c1a2	Angola	KJ185805	L0a1b2a	Angola
KJ185768	L2a1a	Angola	KJ185806	L0a1a2	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185807	L1b1a10	Angola	KJ185845	L3e2a1a	Angola
KJ185808	L1b1a	Angola	KJ185846	L3e3a	Angola
KJ185809	L1b1a10	Angola	KJ185847	L3e2b	Angola
KJ185810	L1b1a10	Angola	KJ185848	L3e1f	Angola
KJ185811	L1b1a	Angola	KJ185849	L3e2b+152	Angola
KJ185812	L1b1a10	Angola	KJ185850	L3e1	Angola
KJ185813	L1c4b	Angola	KJ185851	L3e2b+152	Angola
KJ185814	L1c2b1a'b	Angola	KJ185852	L3e1d1	Angola
KJ185815	L1c3a1a	Angola	KJ185853	L3e1a1a	Angola
KJ185816	L1c2b1a	Angola	KJ185854	L3e1a1a	Angola
KJ185817	L1c2b1a	Angola	KJ185855	L3e1d1	Angola
KJ185818	L1c2b2	Angola	KJ185856	L3e2b3	Zambia
KJ185819	L1c2a3	Angola	KJ185857	L2b1a3	Zambia
KJ185820	L1c3b1a	Angola	KJ185858	L0a1b1a1	Zambia
KJ185821	L1c3c	Angola	KJ185859	L1c2b1b1	Zambia
KJ185822	L1c1b	Angola	KJ185860	L1c2a1a	Zambia
KJ185823	L2a5	Angola	KJ185861	L3e2b1a2	Zambia
KJ185824	L2a1a2a1a	Angola	KJ185862	L0a2a2a	Zambia
KJ185825	L2a1b1a	Angola	KJ185863	L0a1a2	Zambia
KJ185826	L2a1a2a1a	Angola	KJ185864	L3e2b	Zambia
KJ185827	L2a1a1	Angola	KJ185865	L0a2a1b	Zambia
KJ185828	L2a1b	Angola	KJ185866	L1b2a	Zambia
KJ185829	L2a1a2	Angola	KJ185867	L1b2a	Zambia
KJ185830	L2a5	Angola	KJ185868	L1c3a	Zambia
KJ185831	L2b2a	Angola	KJ185869	L2b1a3	Zambia
KJ185832	L2b1a3	Angola	KJ185870	L3e2b+152	Zambia
KJ185833	L2b2a	Angola	KJ185871	L3f2a1	Zambia
KJ185834	L2c2b1b	Angola	KJ185872	L1b1a10b	Zambia
KJ185835	L3d3a1a	Angola	KJ185873	L1c3a	Zambia
KJ185836	L3d1a2	Angola	KJ185874	L1c2b2	Zambia
KJ185837	L3d1b3a	Angola	KJ185875	L1c3a1b	Zambia
KJ185838	L3d1a1a	Angola	KJ185876	L1c3b1a	Zambia
KJ185839	L3e1	Angola	KJ185877	L2c2a1	Zambia
KJ185840	L3e1e1	Angola	KJ185878	L3d3a1	Zambia
KJ185841	L3e1a3	Angola	KJ185879	L3e1a3a	Zambia
KJ185842	L3e1	Angola	KJ185880	L3e1a3a	Zambia
KJ185843	L3e2b3	Angola	KJ185881	L0a2a1a	Zambia
KJ185844	L3e2b3	Angola	KJ185882	L0a2a1a	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185883	L0a2a1a	Zambia	KJ185921	L1c2a1a	Zambia
KJ185884	L0a1a2	Zambia	KJ185922	L1c2b1b	Zambia
KJ185885	L1b1a3	Zambia	KJ185923	L2a1b1a	Zambia
KJ185886	L1b1a10b	Zambia	KJ185924	L3e1a3a	Zambia
KJ185887	L1c3b1a	Zambia	KJ185925	L3e1e1	Zambia
KJ185888	L1c2b1b1	Zambia	KJ185926	L0a1b2a	Zambia
KJ185889	L1c2b1b1	Zambia	KJ185927	L1c2b1b1	Zambia
KJ185890	L1c2a1a	Zambia	KJ185928	L1c2b1b1	Zambia
KJ185891	L1c2b1b1	Zambia	KJ185929	L1c2b1b1	Zambia
KJ185892	L1c2b1b1	Zambia	KJ185930	L1c2b1b1	Zambia
KJ185893	L2a1f	Zambia	KJ185931	L2a1b1a	Zambia
KJ185894	L2a1g	Zambia	KJ185932	L2a5	Zambia
KJ185895	L2a1f3	Zambia	KJ185933	L2a1f1	Zambia
KJ185896	L2a1a2	Zambia	KJ185934	L2a1a2	Zambia
KJ185897	L2a1f	Zambia	KJ185935	L3d2b	Zambia
KJ185898	L2a1d2	Zambia	KJ185936	L3e1d1	Zambia
KJ185899	L2a1f	Zambia	KJ185937	L3f2a1	Zambia
KJ185900	L2a1i1	Zambia	KJ185938	L1b1a10b	Zambia
KJ185901	L2a1d2	Zambia	KJ185939	L2a1d2	Zambia
KJ185902	L2e1a	Zambia	KJ185940	L3e1a2	Zambia
KJ185903	L3d3a1	Zambia	KJ185941	L1c3b1a	Zambia
KJ185904	L3e1a3a	Zambia	KJ185942	L2a5	Zambia
KJ185905	L3e1e1	Zambia	KJ185943	L3e2b1a2	Zambia
KJ185906	L3e1d1a	Zambia	KJ185944	L3e3b2	Zambia
KJ185907	L3e1a3a	Zambia	KJ185945	L5a2	Zambia
KJ185908	L3e1a3a	Zambia	KJ185946	L0a2a2a1	Zambia
KJ185909	L3e1a3a	Zambia	KJ185947	L0a2a2a1	Zambia
KJ185910	L3e2b	Zambia	KJ185948	L1c2b1b1	Zambia
KJ185911	L3e3a	Zambia	KJ185949	L1c2b	Zambia
KJ185912	L3e1a3a	Zambia	KJ185950	L1c3a	Zambia
KJ185913	L3e1a3a	Zambia	KJ185951	L1c3a1b	Zambia
KJ185914	L3e1a3a	Zambia	KJ185952	L2a5	Zambia
KJ185915	L3f2a1	Zambia	KJ185953	L2a5	Zambia
KJ185916	L1c2b1b1	Zambia	KJ185954	L2a5	Zambia
KJ185917	L1c2b1b1	Zambia	KJ185955	L2a1d2	Zambia
KJ185918	L1c3b1a	Zambia	KJ185956	L2b1a3	Zambia
KJ185919	L1c2b2	Zambia	KJ185957	L3e1a3a	Zambia
KJ185920	L1c2b1b1	Zambia	KJ185958	L3e1e1	Zambia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ185959	L3e1e1	Zambia	KJ185997	L2a1a2a1a	Zambia
KJ185960	L3e1e1	Zambia	KJ185998	L2a1d2	Zambia
KJ185961	L3e1e1	Zambia	KJ185999	L2a1c	Zambia
KJ185962	L3e1a3a	Zambia	KJ186000	L3e1e1	Zambia
KJ185963	L1c2b1b1	Zambia	KJ186001	L0a1b1a1	Zambia
KJ185964	L1c3a	Zambia	KJ186002	L2a1f1	Zambia
KJ185965	L3d3a1	Zambia	KJ186003	L2a1h	Zambia
KJ185966	L0a1b1a1	Zambia	KJ186004	L0a1a2	Zambia
KJ185967	L0a1b1a1	Zambia	KJ186005	L0a1a2	Zambia
KJ185968	L0a2a1a2	Zambia	KJ186006	L3e2b	Zambia
KJ185969	L1c2a1a	Zambia	KJ186007	L3e2b1	Angola
KJ185970	L0a2a2a	Zambia	KJ186008	L0a1b2	Angola
KJ185971	L3e1f1a	Zambia	KJ186009	L0a1	Angola
KJ185972	L0a1a2	Zambia	KJ445738	L0d3	Pakistan
KJ185973	L2a1a2a1a	Zambia	KJ445739	L0d2a1a	South Africa
KJ185974	L2b2	Zambia	KJ445740	L0d1b2a1	Namibia
KJ185975	L3d1a1a	Zambia	KJ445741	L0d1b2a1	Namibia
KJ185976	L3e1e1	Zambia	KJ445742	L0d1b2b2c1	Namibia
KJ185977	L0a1b1a1	Zambia	KJ445743	L0d1b2b2b1	South Africa
KJ185978	L0a1b1a1	Zambia	KJ445744	L0d1c3	Namibia
KJ185979	L0a1b1a1	Zambia	KJ445745	L0d1c1a1a	Namibia
KJ185980	L1c2b1b1	Zambia	KJ445746	L0k1a1a	Namibia
KJ185981	L1c3b1a	Zambia	KJ445747	L0a1b1a1	Pakistan
KJ185982	L2a1a1	Zambia	KJ445748	L0a1b1a	Israel
KJ185983	L2c2a1	Zambia	KJ445749	L0a1a1	Israel
KJ185984	L3e1a3a	Zambia	KJ445750	L0a1a1	Kenya
KJ185985	L2a1f	Zambia	KJ445751	L0a1a	Israel
KJ185986	L2a2b	Zambia	KJ445752	L0a1a2	Kenya
KJ185987	L2a1f1	Zambia	KJ445753	L0a2b1	Congo
KJ185988	L3e2b	Zambia	KJ445754	L0a2b	Congo
KJ185989	L3f1b4a	Zambia	KJ445755	L0a2b	Congo
KJ185990	L0a1b1a1	Zambia	KJ445756	L0a2b	Congo
KJ185991	L3d3a1	Zambia	KJ445757	L0a2a1	Central African Republic
KJ185992	L3d3a1a	Zambia	KJ445758	L0a2a1	Central African Republic
KJ185993	L3d1a1a	Zambia	KJ445759	L0a2a1	Central African Republic
KJ185994	L2c2a1	Zambia	KJ445760	L0a2a1	Central African Republic
KJ185995	L0g	Zambia	KJ445761	L0a2a2a	Kenya
KJ185996	L1c2a1a	Zambia	KJ445762	L0a2a2a	Pakistan

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ445763	L0a2a2a	South Africa	KJ445801	L1c2b2	Pakistan
KJ445764	L5a1c	Congo	KJ445802	L1b1a3a	Pakistan
KJ445765	L5a1	Kenya	KJ445803	L1b1a17	Senegal
KJ445766	L1c3a1b	Nigeria	KJ445804	L1b1a	Senegal
KJ445767	L1c1a2b	Central African Republic	KJ445805	L1b1a2	Israel
KJ445768	L1c1a2b	Central African Republic	KJ445806	L1b1a2	Israel
KJ445769	L1c1a2b	Central African Republic	KJ445807	L1b1a4a	Senegal
KJ445770	L1c1a2b	Central African Republic	KJ445808	L1b1a4	Senegal
KJ445771	L1c1a2b	Central African Republic	KJ445809	L1b1a	Nigeria
KJ445772	L1c1a2b	Central African Republic	KJ445810	L1b1a17	Senegal
KJ445773	L1c1a2b	Central African Republic	KJ445811	L1b1a18	Nigeria
KJ445774	L1c1a2a1	Central African Republic	KJ445812	L1b1a3	Nigeria
KJ445775	L1c1a2a2	Central African Republic	KJ445813	L1b1a14	Senegal
KJ445776	L1c1a2a2	Central African Republic	KJ445814	L1b1a	Senegal
KJ445777	L1c1a2a2	Central African Republic	KJ445815	L1b1a10	Nigeria
KJ445778	L1c1a1a1a	Central African Republic	KJ446417	L4b2a2c	Namibia
KJ445779	L1c1a1a1a	Central African Republic	KJ446418	L3h1a2a1	Israel
KJ445780	L1c1a1a1a	Central African Republic	KJ446419	L3h1a1	Kenya
KJ445781	L1c1a1a1a	Central African Republic	KJ446509	L3d3a1a	South Africa
KJ445782	L1c1a1a1a	Central African Republic	KJ446510	L3d3a1a	South Africa
KJ445783	L1c1a1a1a	Central African Republic	KJ446511	L3d3a1a	South Africa
KJ445784	L1c1a1a1a	Central African Republic	KJ446512	L3d1d	Senegal
KJ445785	L1c1a1a1a	Central African Republic	KJ446513	L3d6	Nigeria
KJ445786	L1c1a1a1b1	Central African Republic	KJ446514	L3f1b+16292	Israel
KJ445787	L1c1a1a1b1	Central African Republic	KJ446515	L3f1b1a	Nigeria
KJ445788	L1c1a1a1	Central African Republic	KJ446516	L3f1b4b	Nigeria
KJ445789	L1c4b	Central African Republic	KJ446517	L3f1b4c	Nigeria
KJ445790	L1c4	Central African Republic	KJ446518	L3f1b4c	Nigeria
KJ445791	L1c4b	Central African Republic	KJ446519	L3f1b4c	Nigeria
KJ445792	L1c4b	Central African Republic	KJ446532	L3b1a7	Algeria
KJ445793	L1c4b	Central African Republic	KJ446533	L3b1a1a	Kenya
KJ445794	L1c4b	Central African Republic	KJ446534	L3b1a1a	Kenya
KJ445795	L1c4b	Central African Republic	KJ446535	L3b1a1a	Kenya
KJ445796	L1c4b	Central African Republic	KJ446536	L3b1a	Senegal
KJ445797	L1c4b	Central African Republic	KJ446537	L3b1a	Senegal
KJ445798	L1c2a1a	Kenya	KJ446540	L3e4a1	Senegal
KJ445799	L1c2a1a	Kenya	KJ446541	L3e4a1	Senegal
KJ445800	L1c2b2	Pakistan	KJ446542	L3e3a	Israel

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ446543	L3e3b1	Nigeria	KJ446768	L2a1c5	Nigeria
KJ446544	L3e1	Nigeria	KJ446769	L2a1+143+16189	Pakistan
KJ446545	L3e1e	Nigeria	KJ446770	L2a1+143+16189	Israel
KJ446546	L3e1b1	Israel	KJ446771	L2a1c3a	Israel
KJ446547	L3e1b1	Israel	KJ446772	L2a1+143+16189	Israel
KJ446548	L3e2b1	Algeria	KJ446773	L2a1+143+16189	Israel
KJ446549	L3e2b+152	Kenya	KJ446774	L2a1f	Nigeria
KJ446550	L3e2a1b1	Algeria	KJ446775	L2a1+143	Algeria
KJ446551	L3e2a2	Nigeria	KJ446776	L2a1f3	Kenya
KJ446552	L3e2a	Algeria	KJ446777	L2a1f3	Pakistan
KJ446740	L2b1a2	Israel	KJ446778	L2a1f	Nigeria
KJ446741	L2b1a2	Israel	KJ669103	L0k1a2a	Namibia
KJ446742	L2c1a	Senegal	KJ669104	L0k1a2	Namibia
KJ446743	L2c1a	Senegal	KJ669105	L0k1a2	Namibia
KJ446744	L2c5	Senegal	KJ669106	L0k1a1c	Namibia
KJ446745	L2c3a	Senegal	KJ669107	L0k1a1a	Namibia
KJ446746	L2c3a	Senegal	KJ669108	L0k1a1	Namibia
KJ446747	L2c3a	Senegal	KJ669109	L0k1a1a	Namibia
KJ446748	L2a2a1	Congo	KJ669110	L0k1a1c	Namibia
KJ446749	L2a2b2	Congo	KJ669111	L0k1a1b	Angola
KJ446750	L2a2b1a	Congo	KJ669112	L0g	Namibia
KJ446751	L2a2b1a	Congo	KJ669113	L0a2a2a2	Zimbabwe
KJ446752	L2a2b1a	Congo	KJ669114	L0a1b1a1	South Africa
KJ446753	L2a4a	Congo	KJ669115	L0a1b2	Namibia
KJ446754	L2a4a	Congo	KJ669116	L0a1b1	Namibia
KJ446755	L2a1c1	Senegal	KJ669117	L0a1b1a	Namibia
KJ446756	L2a1c3b1	Senegal	KJ669118	L0a2a2a	Namibia
KJ446757	L2a1c3b1	Senegal	KJ669119	L0a2a2a	Namibia
KJ446758	L2a1c3b1	Senegal	KJ669120	L0a1b1a1a	Zimbabwe
KJ446759	L2a1c2	Senegal	KJ669121	L0a1b1a1	Namibia
KJ446760	L2a1f2	Nigeria	KJ669122	L0a2a2a1	Namibia
KJ446761	L2a1a3c	Nigeria	KJ669123	L0a2a2a1	Namibia
KJ446762	L2a1a2	Pakistan	KJ669124	L0d1c1a1a	Namibia
KJ446763	L2a1a2b	Nigeria	KJ669125	L0d1c3	Namibia
KJ446764	L2a1i1	Nigeria	KJ669126	L0d1c3	Namibia
KJ446765	L2a1g	Pakistan	KJ669127	L0d1c1a1b	Namibia
KJ446766	L2a1c5	Nigeria	KJ669128	L0d1c2a	Namibia
KJ446767	L2a1c5	Nigeria	KJ669129	L0d1c1a1b	Namibia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KJ669130	L0d1c1a1b	Namibia	KJ669168	L0d2d	Namibia
KJ669131	L0d1c1a1a	Namibia	KJ669169	L0d2a1a3	South Africa
KJ669132	L0d1c1a1a	Namibia	KJ669170	L0d2a1a	South Africa
KJ669133	L0d1c1a1b	Namibia	KJ669171	L0d2a1a2	South Africa
KJ669134	L0d1c1a2	Namibia	KJ669172	L0d2a1a	Namibia
KJ669135	L0d1b1b	South Africa	KJ669173	L0d2a1a	Namibia
KJ669136	L0d1c	Namibia	KJ669174	L0d2a1a	South Africa
KJ669137	L0d1d	South Africa	KJ669175	L0d2a1a2	Namibia
KJ669138	L0d1a1d	South Africa	KJ669176	L0d2a1a	South Africa
KJ669139	L0d1a1c	Namibia	KJ669177	L0d2a1a	South Africa
KJ669140	L0d1a1a1	Namibia	KJ669178	L0d2a1a	Namibia
KJ669141	L0d1a1b1b	South Africa	KJ669179	L0d2a1a	Namibia
KJ669142	L0d1a1a	Namibia	KJ669180	L0d2a1b	South Africa
KJ669143	L0d1a1a2	Namibia	KJ801474	L3b3	USA
KJ669144	L0d1b2b2b1	South Africa	KJ801475	L3e1f1a	USA
KJ669145	L0d1b2b2a	South Africa	KJ801477	L2a1d1	USA
KJ669146	L0d1b2b2a	Namibia	KJ801478	L2a1d1	USA
KJ669147	L0d1b2b2c2	Namibia	KJ801479	L2a1d1	USA
KJ669148	L0d1b2b2c2	Namibia	KJ801480	L2a1d1	USA
KJ669149	L0d1b2a1	Namibia	KJ801481	L2a1a	USA
KJ669150	L0d1b2b1b1	South Africa	KJ801482	L2b2	USA
KJ669151	L0d1b2b2c2	Namibia	KJ801483	L1c3a	USA
KJ669152	L0d1b2a1	Namibia	KJ949141	L2b2a	USA
KJ669153	L0d1b2b1b1	Namibia	KJ959229	L3f1b	Spain
KJ669154	L0d1b2b2b1	Namibia	KJ959230	L3f1b	Spain
KJ669155	L0d1b2b1b1	Namibia	KM096762	L2a1k	Serbia
KJ669156	L0d2c1	South Africa	KM101569	L1b1a3	USA
KJ669157	L0d2c1	South Africa	KM101570	L1b1a3	USA
KJ669158	L0d2c1	South Africa	KM101571	L2a1n	USA
KJ669159	L0d2c1a	Namibia	KM101572	L3d1b3a	USA
KJ669160	L0d2c1	Namibia	KM101573	L2a1f3	USA
KJ669161	L0d2c2	Namibia	KM101576	L3b1a10	USA
KJ669162	L0d2c2b	South Africa	KM101577	L2c2b1b	USA
KJ669163	L0d2c1a1	Namibia	KM101578	L1c1c	USA
KJ669164	L0d2c2a1	Namibia	KM101579	L3e1e	USA
KJ669165	L0d2c2	Namibia	KM101580	L0a2a1b	USA
KJ669166	L0d2b1b	South Africa	KM101581	L2b1b	USA
KJ669167	L0d2d	Namibia	KM101582	L3b2	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KM101583	L3f1b1a	USA	KM101626	L2a1b	USA
KM101585	L3f1b1a	USA	KM101627	L2c	USA
KM101586	L3b2b	USA	KM101628	L1c5	USA
KM101587	L3f1b1a	USA	KM101629	L3e1	USA
KM101588	L1c3a	USA	KM101630	L2a1f	USA
KM101589	L3f1b+16292+150	USA	KM101631	L3b1a6	USA
KM101590	L2a1b1	USA	KM101632	L1c2b1c	USA
KM101591	L3e2b+152	USA	KM101634	L3f1b+16292+150	USA
KM101592	L2c	USA	KM101635	L2a1b+143	USA
KM101593	L2c	USA	KM101636	L2b2a	USA
KM101594	L2a1m1a	USA	KM101637	L3d1b2	USA
KM101595	L1b1a	USA	KM101638	L3f1b4	USA
KM101596	L3e2a1b1	USA	KM101639	L2a1i	USA
KM101597	L3b3	USA	KM101640	L1b1a3a	USA
KM101598	L0a1a2	USA	KM101642	L2a1a3	USA
KM101599	L2c2	USA	KM101643	L2a1a2a1a	USA
KM101600	L3b2	USA	KM101644	L0a1a2	USA
KM101601	L2a1f	USA	KM101645	L3f1b4c	USA
KM101602	L3e2b	USA	KM101646	L3d1'2'3'4'5'6	USA
KM101603	L2a1f	USA	KM101647	L3e2a1b	USA
KM101604	L2a1c3a1	USA	KM101648	L3e2a1b1	USA
KM101606	L3e2b	USA	KM101649	L1b1a4	USA
KM101608	L3e3b	USA	KM101650	L1c2a1a	USA
KM101609	L2a1f	USA	KM101651	L2a1c	USA
KM101610	L2a1b1	USA	KM101652	L3b1a4	USA
KM101611	L2a1f2	USA	KM101653	L2a1c5	USA
KM101612	L3e2a1b1	USA	KM101654	L3k1	USA
KM101613	L3e2a1b3	USA	KM101655	L2a1a1	USA
KM101614	L3f1b+16292+150	USA	KM101656	L1b1a6	USA
KM101615	L2b2	USA	KM101657	L2a1c2a	USA
KM101616	L1b1a7a	USA	KM101658	L2a1a	USA
KM101617	L3e4a	USA	KM101659	L3b1a6	USA
KM101618	L2a1c5	USA	KM101660	L2c	USA
KM101619	L2c2	USA	KM101661	L3b3	USA
KM101620	L1b1a6	USA	KM101662	L0a1b2	USA
KM101621	L1b1a7	USA	KM101663	L2d1a	USA
KM101622	L3e2a1b1	USA	KM101664	L2a1f	USA
KM101625	L1b1a3a	USA	KM101665	L3e3a	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KM101666	L1b1a10	USA	KM101707	L3e2b	USA
KM101667	L2c4	USA	KM101708	L3e1a1a	USA
KM101668	L1c1b	USA	KM101709	L3e3b3	USA
KM101669	L3h1b1a	USA	KM101711	L2a1a2	USA
KM101670	L1b1a17	USA	KM101712	L2b2a	USA
KM101671	L3b1a	USA	KM101713	L2a1a2a1a	USA
KM101672	L3f1b1a	USA	KM101714	L1b1a	USA
KM101673	L2a1c	USA	KM101715	L3e2b	USA
KM101674	L2a1a1	USA	KM101716	L1c2b1a	USA
KM101675	L3f1b+16292+150	USA	KM101717	L3d1'2'3'4'5'6	USA
KM101677	L3e3b	USA	KM101718	L2c	USA
KM101678	L0a1a2	USA	KM101719	L2a1c	USA
KM101679	L3f1b1a1	USA	KM101720	L2c2a	USA
KM101680	L1c3a	USA	KM101721	L2a1c3a1	USA
KM101681	L3b3	USA	KM101722	L3d1a1a	USA
KM101682	L3b1b	USA	KM101724	L2a1c2	USA
KM101683	L2a1f1	USA	KM101726	L1c2a2	USA
KM101684	L2a1+143+@16309	USA	KM101727	L2b2	USA
KM101685	L2a1l2	USA	KM101728	L2a1a1	USA
KM101686	L3d1a2	USA	KM101730	L3e3b3	USA
KM101687	L1b1a7	USA	KM101731	L1b1a3a	USA
KM101688	L3b1a1a	USA	KM101732	L3d1d	USA
KM101689	L2a1a1	USA	KM101734	L3e2b+152	USA
KM101692	L3f1b4a1	USA	KM101735	L2a1c4a1	USA
KM101693	L2a1b1	USA	KM101736	L1b1a4	USA
KM101694	L1c3b1b	USA	KM101866	L2a1c1	USA
KM101695	L1b1a7	USA	KM101868	L2a1l1b	USA
KM101696	L2a1f	USA	KM102043	L3e4a	USA
KM101697	L1c3a1a	USA	KM102048	L1c5	USA
KM101698	L3e2a1b	USA	KM102058	L3e2a1b	USA
KM101699	L1b1a14	USA	KM102059	L3e1d1	USA
KM101700	L3f1b1a	USA	KM102062	L1b2a	USA
KM101701	L3f1b4c	USA	KM102081	L0a2a1a1	USA
KM101702	L3f1b1a	USA	KM102086	L1c2b1b	USA
KM101703	L2a1e	USA	KM102090	L2a1f	USA
KM101704	L2a1c3b	USA	KM102093	L2a1l2	USA
KM101705	L2c2a	USA	KM102094	L3d2b	USA
KM101706	L2a1a2	USA	KM102095	L3e2b	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KM102097	L1b1a7a	USA	KM986577	L3f2a1a	Yemen
KM102101	L3b1a10	USA	KM986580	L0a2a2a	Yemen
KM102103	L3e1e2	USA	KM986581	L3b1a11	Yemen
KM102104	L2c	USA	KM986584	L3d1a1a	Yemen
KM102105	L3b1a+152	USA	KM986588	L3d2a	Yemen
KM102112	L3e1e2	USA	KM986589	L3h2	Yemen
KM102120	L3d1'2'3'4'5'6	USA	KM986590	L3b1a1a	Yemen
KM102147	L3f1b4	USA	KM986591	L3e1a2	Yemen
KM245150	L2a1+143+@16309	Saudi Arabia	KM986592	L3e3a	Yemen
KM245151	L3i1a	Saudi Arabia	KM986593	L3d1a1a	Yemen
KM245152	L3i1a	Ethiopia	KM986595	L3e3a	Yemen
KM986515	L2d1a	Yemen	KM986596	L3b1a1a	Yemen
KM986519	L0a2c	Yemen	KM986598	L3b1a1a	Yemen
KM986521	L2a1a2	Yemen	KM986599	L0a2a2a	Yemen
KM986523	L4b2a2c	Yemen	KM986600	L3d1a1a	Yemen
KM986524	L5a1b	Yemen	KM986601	L3d1a1a	Yemen
KM986525	L5a1a	Yemen	KM986604	L3h2	Yemen
KM986528	L0f	Yemen	KM986605	L3h2	Yemen
KM986532	L0a1a+200	Yemen	KM986606	L3h2	Yemen
KM986536	L2a1a2a1a	Yemen	KM986608	L4b2a1	Yemen
KM986538	L3x1+16311	Yemen	KM986609	L0a2a2a	Yemen
KM986543	L3x1+16311	Yemen	KM986614	L3i2	Yemen
KM986544	L3f	Yemen	KM986615	L3x1+16311	Yemen
KM986546	L3d3a1a	Yemen	KM986619	L3d1a1a1	Yemen
KM986547	L3h1b1a	Yemen	KM986620	L3x1a1	Yemen
KM986549	L3x2a	Yemen	KM986621	L3i2	Yemen
KM986551	L3h1b1a	Yemen	KM986624	L0a2a2a	Yemen
KM986553	L3k1	Yemen	KM986627	L3i2	Yemen
KM986555	L0a2c	Yemen	KP229441	L3i1	Unknown
KM986556	L3x1+16311	Yemen	KP229442	L3i1	Unknown
KM986559	L3x2a	Yemen	KP229443	L3i1	Unknown
KM986561	L3e2b	Yemen	KP229444	L3i1	Unknown
KM986563	L0a2a2a	Yemen	KP229445	L3i1	Unknown
KM986564	L3h1a2b	Yemen	KP229446	L3i1	Unknown
KM986566	L3x1	Yemen	KP229447	L3i1	Unknown
KM986567	L3b1a1a	Yemen	KP229448	L3i1	Unknown
KM986571	L0a2c	Yemen	KP229449	L3i1	Unknown
KM986575	L3b1a1a	Yemen	KP229450	L3i1a	Unknown

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KP229451	L3i1	Unknown	KP317076	L4a1a	Somalia
KP229452	L3i1	Unknown	KP317077	L6a	Somalia
KP229453	L3i1	Unknown	KP317078	L4b2a	Kenya
KP229454	L3i1	Unknown	KP635236	L3d1b3	Unknown
KP229455	L3i1	Unknown	KP635237	L1c3b1a	Bolivia
KP240909	L2a2b1a	Congo	KP635238	L0a1b2	Bolivia
KP240910	L2a1a2b	Nigeria	KP635239	L0a1b2	Bolivia
KP240911	L2a1b1a	South Africa	KP635240	L1c3b1a	Bolivia
KP240912	L2a1+143+16189	Israel	KP635241	L3d1a1a	Unknown
KP240913	L2a1c+16129	Israel	KP635242	L1c3b1a	Bolivia
KP240914	L3d1a1a	Pakistan	KP635243	L0a2a2a	Bolivia
KP240915	L3d1b	Senegal	KP875569	L3f1b1a	USA
KP240928	L0d1a1a1	South Africa	KP899747	L2b2	USA
KP240929	L0a2b	Congo	KP900753	L2a1+143	Brazil
KP240930	L0a2b	Congo	KP900754	L2a1n	Brazil
KP317053	L4b2b	Niger	KP900938	L1b1a15	Jamaica
KP317054	L4a1a	United Arab Emirates	KR135841	L2a1d1	Somalia
KP317055	L4b2a2	United Arab Emirates	KR135842	L2a1b1a	Somalia
KP317056	L4b2a2c	Ethiopia	KR135843	L2a1+143+16189	Somalia
KP317057	L6a	Ethiopia	KR135844	L2a1+143+@16309	Somalia
KP317058	L4a1a	Ethiopia	KR135845	L2a1+143+16189	Somalia
KP317059	L4a1a	Ethiopia	KR135846	L2a1j	Somalia
KP317060	L6b	Ethiopia	KR135847	L2a1a	Somalia
KP317061	L4a1a	Ethiopia	KR135848	L2a1a2	Somalia
KP317062	L4b1a	Burkina Faso	KR135849	L2a1+143	Somalia
KP317063	L4b2b	Chad	KR135850	L2a1+143+@16309	Somalia
KP317064	L4b2b	Chad	KR135851	L2a1+143+@16309	Somalia
KP317065	L4b2b1	Niger	KR135852	L2a1b1a	Somalia
KP317066	L4b2a2a	Ethiopia	KR135853	L2a1+143	Sudan
KP317067	L6b	Kenya	KR135854	L2a1+143	Sudan
KP317068	L4b2a2b	Kenya	KR135855	L2a1d1	Sudan
KP317069	L4b2a2a	Sudan	KR135856	L2a1a	Sudan
KP317070	L4b2a2	Sudan	KR135857	L2a2a1	Sudan
KP317071	L6a	Somalia	KR135858	L2d+16129	Sudan
KP317072	L4b2a2c	Somalia	KR135859	L2b2	Sudan
KP317073	L4a2	Somalia	KR135860	L2a2a	Sudan
KP317074	L4b2a1	Somalia	KR135861	L2e1	Sudan
KP317075	L4b2a	Somalia	KR135862	L2e1	São Tomé e Príncipe

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
KR135863	L2c2	São Tomé e Príncipe	KT819240	L2b1a2	Morocco
KR135864	L2c	São Tomé e Príncipe	KT819241	L3e5	Morocco
KR135865	L2b2a	São Tomé e Príncipe	KT819242	L3e5a	Morocco
KR135866	L2a1a3c	São Tomé e Príncipe	KT819244	L1b1a	Morocco
KR135867	L2a1+143	Ethiopia	KT819245	L1b1a	Morocco
KR135868	L2a1+143+16189	Ethiopia	KT819246	L1b1a6	Morocco
KR135869	L2a1+143	Ethiopia	KT819247	L2a1+143+16189	Morocco
KR135870	L2a1c+16129	Ethiopia	KT819248	L2a1c	Morocco
KR135871	L2a1a	Mozambique	KT819249	L3e5a	Morocco
KR135872	L2a1a2	Mozambique	KT819251	L1b1a8	Morocco
KR135873	L2a1b1a	Mozambique	KT819252	L1b1a6	Morocco
KR135874	L2a1b1a	Mozambique	KT819253	L2a1+143+16189 (Morocco
KR135875	L2a1b1a	Mozambique	KT819254	L2a1+143+16189	Morocco
KR135876	L2a1a2	Mozambique	KT819255	L2e	Morocco
KR135877	L2a1b1a	Mozambique	KT819256	L3b1	Morocco
KR135878	L2a1a2	Mozambique	KT819257	L3b1a9	Morocco
KR135879	L2a1a2	Mozambique	KT819258	L3b1a3	Morocco
KR135880	L2a1h	Mozambique	KT819259	L3b1a5	Morocco
KR135881	L2a1a2a1a	Mozambique	KT819260	L3e2b+152	Morocco
KR135882	L2a1b1a	Mozambique	KT819261	L3e2b1a2	Morocco
KR135883	L2a1a	Mozambique	KT819262	L3e5a	Morocco
KR135884	L2a1d2	Mozambique	KT819263	L3e5a1	Morocco
KT756878	L2d+16129	Mexico	KU867582	L3b1a9a	Unknown
KT819205	L1b1a12a	Spain	KU867604	L3b1a9a	Unknown
KT819206	L1b1a6	Spain	KX055476	L3f1b4a	USA
KT819207	L2a1+143+16189	Spain	KX079703	L0a1a2	USA
KT819208	L2a1c6	Spain	KX079704	L3b1a6	Unknown
KT819209	L2b1a	Spain	KX083678	L2a1k	Bulgaria
KT819210	L2b3a	Spain	KY295947	L2c1	USA
KT819211	L3f1b1	Spain	KY474046	L3b2a	USA
KT819224	L2a1b+143	Spain	KY498629	L2e1a	USA
KT819225	L3d1b1	Spain	KY797199	L0a1b	Lebanon
KT819226	L3d3b	Spain	KY797207	L3f1b+16292	Lebanon
KT819227	L3h1b1a	Spain	LK13	L3h1b2	Cyprus
KT819228	L3x2b	Spain	LP6008115	L1b1a+189	Ireland
KT819237	L1b1a6	Morocco	LP6008115	L1b1a8	Ireland
KT819238	L2a1+143	Morocco	LP6008116	L1b1a8	Ireland
KT819239	L2b1a	Morocco	MF039862	L2a1a1	Tunisia

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF055747	L3e3b1	Madagascar	MF055825	L3d1a1a1	Madagascar
MF055748	L3b1a1a	Madagascar	MF055830	L3d1a	Madagascar
MF055749	L1c2a2	Madagascar	MF055832	L3b1a1a	Madagascar
MF055750	L3e3b1	Madagascar	MF055837	L0a2a2a	Madagascar
MF055752	L2a1b1a	Madagascar	MF055838	L2a1b1a	Madagascar
MF055753	L3e3b1	Madagascar	MF055845	L0a1b1a1	Madagascar
MF055754	L3b1a1a	Madagascar	MF055846	L3e1a3a	Madagascar
MF055756	L0d1c	Madagascar	MF055847	L3e3a	Madagascar
MF055757	L3b1a1a	Madagascar	MF055849	L3e3a	Madagascar
MF055758	L3d1a1a1	Madagascar	MF055850	L0a1b1a1	Madagascar
MF055759	L3d1a1a	Madagascar	MF055853	L2a1b1a	Madagascar
MF055760	L2a1b1a	Madagascar	MF055856	L2b1a3	Madagascar
MF055761	L0a2	Madagascar	MF055857	L2a1b1a	Madagascar
MF055762	L3b1a1a	Madagascar	MF055858	L0a2a2a	Madagascar
MF055765	L3e3a	Madagascar	MF055859	L2a1b1a	Madagascar
MF055775	L0a1b1a1	Madagascar	MF055860	L0a1b1a1	Madagascar
MF055780	L3b1a8	Madagascar	MF055864	L3e3a	Madagascar
MF055781	L3e3b1	Madagascar	MF055867	L1c3a	Madagascar
MF055783	L1c3c	Madagascar	MF055870	L2a1a2	Madagascar
MF055785	L2a1a2	Madagascar	MF055871	L2a1a2	Madagascar
MF055786	L0a1b1a1	Madagascar	MF055874	L2a1a2	Madagascar
MF055787	L0a2a2a	Madagascar	MF055876	L2a1a2	Madagascar
MF055789	L2a1a2	Madagascar	MF055879	L0a2a2a	Madagascar
MF055790	L3b1a3	Madagascar	MF055882	L3d1a1a1	Madagascar
MF055791	L3e3b1	Madagascar	MF055886	L3e3b1	Madagascar
MF055795	L3a+709	Madagascar	MF055889	L2a1a2	Madagascar
MF055803	L3e3a	Madagascar	MF055890	L3e1d1	Madagascar
MF055804	L3d1a1a	Madagascar	MF055891	L3f1b4a1	Madagascar
MF055805	L3d1a1a	Madagascar	MF055892	L3d1a1a1	Madagascar
MF055807	L3d1a1a	Madagascar	MF055895	L2a1b1a	Madagascar
MF055809	L3d1a1a1	Madagascar	MF055896	L1b2a	Madagascar
MF055810	L3e1a1a	Madagascar	MF055898	L1b2a	Madagascar
MF055811	L0a2a1a	Madagascar	MF055900	L3e1a3a	Madagascar
MF055812	L3e3b1	Madagascar	MF055910	L0a1b1a1	Madagascar
MF055815	L0a1b1a1	Madagascar	MF055911	L3d1a1a1	Madagascar
MF055816	L2a1b1a	Madagascar	MF055912	L3b1a1a	Madagascar
MF055818	L3b1a1a	Madagascar	MF055914	L2a1b1a	Madagascar
MF055821	L3e1a3a	Madagascar	MF055917	L0a2a2a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF055918	L3e3a	Madagascar	MF056016	L2a1b1a	Madagascar
MF055925	L0a2a2a	Madagascar	MF056018	L3b1a1a	Madagascar
MF055928	L0a2a2a	Madagascar	MF056019	L2a1b1a	Madagascar
MF055929	L3e3b1	Madagascar	MF056021	L3e1a3a	Madagascar
MF055932	L0a2a2a	Madagascar	MF056024	L0a1b1a1	Madagascar
MF055933	L0a2a2a	Madagascar	MF056026	L3b1a1a	Madagascar
MF055934	L1c3c	Madagascar	MF056027	L0a2a2a	Madagascar
MF055936	L2a1b1a	Madagascar	MF056028	L3b1a1a	Madagascar
MF055937	L2a1b1a	Madagascar	MF056040	L3e3b1	Madagascar
MF055939	L0a2a1b	Madagascar	MF056041	L2a1b1a	Madagascar
MF055940	L2a1b1a	Madagascar	MF056045	L2a1b1a	Madagascar
MF055943	L2a1b1a	Madagascar	MF056047	L3e1a3a	Madagascar
MF055944	L1c1d	Madagascar	MF056050	L3b1a1a	Madagascar
MF055945	L0f	Madagascar	MF056051	L3b1a1a	Madagascar
MF055954	L0a1b1a1	Madagascar	MF056055	L2a1a2	Madagascar
MF055957	L3b1a8	Madagascar	MF056073	L3b1a1a	Madagascar
MF055959	L3b1a1a	Madagascar	MF056075	L2a1b1a	Madagascar
MF055961	L0a2a2a	Madagascar	MF056078	L3b1a1a	Madagascar
MF055962	L3e1a1a	Madagascar	MF056087	L1c3a	Madagascar
MF055963	L3e3a	Madagascar	MF056088	L3b1a1a	Madagascar
MF055966	L0a1b1a1	Madagascar	MF056089	L3d1a1a1	Madagascar
MF055969	L3k1	Madagascar	MF056091	L3b1a1a	Madagascar
MF055970	L2a1b1a	Madagascar	MF056097	L3b1a1a	Madagascar
MF055971	L3d1a1a	Madagascar	MF056099	L2a1b1a	Madagascar
MF055973	L0a1b1a	Madagascar	MF056100	L2a1b1a	Madagascar
MF055974	L3d1a1a	Madagascar	MF056104	L2a1c	Madagascar
MF055978	L3d1a1a	Madagascar	MF056110	L0a2a2a	Madagascar
MF055979	L3e1a3a	Madagascar	MF056118	L3e3b1	Madagascar
MF055980	L3e3a	Madagascar	MF056120	L3f1b4a	Madagascar
MF055986	L0a2a2a	Madagascar	MF056121	L3b1a1a	Madagascar
MF055988	L0a2a2a	Madagascar	MF056122	L1c3a	Madagascar
MF055989	L3b1a1a	Madagascar	MF056123	L3b1a1a	Madagascar
MF055991	L3d1a1a	Madagascar	MF056125	L3e3b1	Madagascar
MF055993	L0a1b1a1	Madagascar	MF056126	L3e1a1a	Madagascar
MF056005	L1b2a	Madagascar	MF056128	L0a2a2a	Madagascar
MF056008	L3e1a3a	Madagascar	MF056129	L0a1b1a1	Madagascar
MF056009	L3b1a1a	Madagascar	MF056130	L3e1	Madagascar
MF056010	L2a1b1a	Madagascar	MF056131	L0a1a2	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF056132	L2a1f	Madagascar	MF056258	L3e1a3a	Madagascar
MF056134	L2a1f	Madagascar	MF056260	L3b1a1a	Madagascar
MF056142	L3b1a1a	Madagascar	MF056261	L3b1a1a	Madagascar
MF056145	L2a1b1a	Madagascar	MF056272	L3e1a1a	Madagascar
MF056150	L3e2b+152	Madagascar	MF056274	L3e1a3a	Madagascar
MF056151	L1b2a	Madagascar	MF056276	L3d1a1a1	Madagascar
MF056155	L3b1a1a	Madagascar	MF056277	L2a1a2	Madagascar
MF056157	L2a1b1a	Madagascar	MF056278	L3e1a3a	Madagascar
MF056158	L2a1b1a	Madagascar	MF056280	L0a2a2a	Madagascar
MF056159	L2a1b1a	Madagascar	MF056281	L1c3c	Madagascar
MF056160	L2a1a2	Madagascar	MF056285	L2a1a2	Madagascar
MF056161	L3b1a1a	Madagascar	MF056286	L3e1e1	Madagascar
MF056163	L2a1b1a	Madagascar	MF056287	L2a1a2	Madagascar
MF056167	L3b1a1a	Madagascar	MF056288	L3b1a1a	Madagascar
MF056169	L2a5	Madagascar	MF056289	L2a1b1a	Madagascar
MF056172	L2a1a	Madagascar	MF056290	L3b1a1a	Madagascar
MF056175	L2a1f3	Madagascar	MF056292	L1c3c	Madagascar
MF056176	L2a1a3c	Madagascar	MF056293	L2a1b1a	Madagascar
MF056177	L3d1a1a	Madagascar	MF056296	L3e3b1	Madagascar
MF056187	L3e1a3a	Madagascar	MF056297	L3b1a1a	Madagascar
MF056190	L0a2a2a	Madagascar	MF056298	L3b1a1a	Madagascar
MF056194	L3b1a1a	Madagascar	MF056299	L3e3b1	Madagascar
MF056195	L2a1b1a	Madagascar	MF056305	L2a1a2	Madagascar
MF056199	L3a+709	Madagascar	MF056313	L1c1d	Madagascar
MF056204	L3e3b1	Madagascar	MF056317	L3e1a3a	Madagascar
MF056210	L2a5	Madagascar	MF056318	L3b1a1a	Madagascar
MF056212	L3a+709	Madagascar	MF056321	L3e1a3a	Madagascar
MF056213	L2a1b1a	Madagascar	MF056324	L3b1a1a	Madagascar
MF056214	L3b1a1a	Madagascar	MF056325	L3b1a1a	Madagascar
MF056219	L0a2a1b	Madagascar	MF056328	L0a1b1a1	Madagascar
MF056221	L2a1a2	Madagascar	MF056330	L3e3b1	Madagascar
MF056223	L3a+709	Madagascar	MF056333	L1b1a+189	Madagascar
MF056224	L2a1a2	Madagascar	MF056334	L2a1f	Madagascar
MF056225	L3b1a1a	Madagascar	MF056335	L1c3a1b	Madagascar
MF056235	L3a+709	Madagascar	MF056336	L2a1f	Madagascar
MF056238	L3b1a1a	Madagascar	MF056337	L3b1a1a	Madagascar
MF056239	L3b1a1a	Madagascar	MF056338	L2a1b1a	Madagascar
MF056251	L3b1a1a	Madagascar	MF056341	L3e3a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF056342	L2a1b1a	Madagascar	MF056419	L3d1a1a1	Madagascar
MF056344	L2a1a2	Madagascar	MF056421	L3e3a	Madagascar
MF056345	L3d1a	Madagascar	MF056422	L3e3a	Madagascar
MF056348	L2a1b1a	Madagascar	MF056427	L3d1a1a1	Madagascar
MF056351	L3e3b2	Madagascar	MF056428	L2a1b1a	Madagascar
MF056354	L0a2a2a	Madagascar	MF056430	L3b1a1a	Madagascar
MF056355	L3d1a1a1	Madagascar	MF056431	L3e3a	Madagascar
MF056359	L0a2a2a	Madagascar	MF056432	L3b1a1a	Madagascar
MF056360	L2a1a	Madagascar	MF056434	L3d1a1a1	Madagascar
MF056361	L0f	Madagascar	MF056435	L0a2a1a	Madagascar
MF056364	L1c2b2	Madagascar	MF056436	L3b1a3	Madagascar
MF056365	L2a1f3	Madagascar	MF056437	L3d1a1a1	Madagascar
MF056368	L3b1a1a	Madagascar	MF056438	L3b1a1a	Madagascar
MF056371	L3a1b	Madagascar	MF056439	L0a1+16293	Madagascar
MF056373	L3a1b	Madagascar	MF056441	L3e1e1	Madagascar
MF056376	L2b1a3	Madagascar	MF056444	L0a2	Madagascar
MF056381	L3d1a1a1	Madagascar	MF056446	L3e3a	Madagascar
MF056383	L0a1b1a1	Madagascar	MF056452	L0a2a1a	Madagascar
MF056384	L3d1a1a	Madagascar	MF056453	L3e1a3a	Madagascar
MF056386	L3e1a3a	Madagascar	MF056456	L2a1b1a	Madagascar
MF056387	L0a2a2a	Madagascar	MF056461	L3e3a	Madagascar
MF056392	L3b2	Madagascar	MF056463	L1c3c	Madagascar
MF056393	L3b1a1a	Madagascar	MF056464	L2a1b1a	Madagascar
MF056394	L3e1a3a	Madagascar	MF056465	L0a2a1a	Madagascar
MF056395	L1c2a1a	Madagascar	MF056466	L3d1a1a	Madagascar
MF056397	L2a1b1a	Madagascar	MF056470	L3d1a1a	Madagascar
MF056398	L3e3a	Madagascar	MF056476	L2a1b1a	Madagascar
MF056402	L3e3b1	Madagascar	MF056483	L3d1a1a1	Madagascar
MF056403	L0a2a2a	Madagascar	MF056484	L2a1b1a	Madagascar
MF056404	L3d1a1a	Madagascar	MF056486	L3d1a1a1	Madagascar
MF056407	L2a1f	Madagascar	MF056488	L1c3c	Madagascar
MF056408	L3d3b	Madagascar	MF056489	L3e2b	Madagascar
MF056409	L3d1a1a	Madagascar	MF056494	L3e1a3a	Madagascar
MF056410	L2a1b1a	Madagascar	MF056496	L3b1a1a	Madagascar
MF056412	L2a1a2	Madagascar	MF056498	L3b1a1a	Madagascar
MF056415	L3b1a11	Madagascar	MF056503	L3b1a1a	Madagascar
MF056416	L3e1b2	Madagascar	MF056506	L3e1b2	Madagascar
MF056418	L3e3a	Madagascar	MF056511	L3e1d1	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF056512	L3b1a1a	Madagascar	MF056596	L2a1b1a	Madagascar
MF056514	L2a1a2	Madagascar	MF056597	L3e1a3a	Madagascar
MF056516	L3d1a1a	Madagascar	MF056598	L2a1b1a	Madagascar
MF056518	L3b1a1a	Madagascar	MF056601	L3k1	Madagascar
MF056526	L3d1a1a	Madagascar	MF056604	L2a1b1a	Madagascar
MF056529	L3d1a1a	Madagascar	MF056605	L3k1	Madagascar
MF056533	L2a1b1a	Madagascar	MF056606	L4b1a	Madagascar
MF056534	L3d1a1a	Madagascar	MF056608	L4b1a	Madagascar
MF056536	L3d3b	Madagascar	MF056609	L3k1	Madagascar
MF056537	L0a2a2a	Madagascar	MF056610	L2a1b1a	Madagascar
MF056538	L3e1a1a	Madagascar	MF056611	L2a1b1a	Madagascar
MF056539	L3d1a1a	Madagascar	MF056615	L3e3b1	Madagascar
MF056542	L3e2b	Madagascar	MF056618	L3d1a1a	Madagascar
MF056544	L2a1b1a	Madagascar	MF056619	L2a1b1a	Madagascar
MF056545	L0a2a2a	Madagascar	MF056620	L3b1a1a	Madagascar
MF056548	L2a1a2	Madagascar	MF056622	L2a1a	Madagascar
MF056553	L3b1a11	Madagascar	MF056624	L3e3b1	Madagascar
MF056554	L2a1a2	Madagascar	MF056627	L0a2a2a	Madagascar
MF056555	L2a1b1a	Madagascar	MF056631	L2a1b1a	Madagascar
MF056556	L2a1a2	Madagascar	MF056632	L2a1f	Madagascar
MF056558	L2a1a2	Madagascar	MF056633	L3e3b1	Madagascar
MF056559	L2a1b1a	Madagascar	MF056635	L3b1a1a	Madagascar
MF056561	L2a1b1a	Madagascar	MF056638	L3e3a	Madagascar
MF056562	L1c2a1a	Madagascar	MF056643	L3e3b1	Madagascar
MF056563	L3e3a	Madagascar	MF056644	L2b1a3	Madagascar
MF056564	L0f	Madagascar	MF056647	L3b1a1a	Madagascar
MF056565	L1c3c	Madagascar	MF056651	L3b1a1a	Madagascar
MF056566	L2a1b1a	Madagascar	MF056665	L2a1b1a	Madagascar
MF056567	L1c2a1a	Madagascar	MF056669	L3b1a8	Madagascar
MF056568	L2a1b1a	Madagascar	MF056672	L3e1a3a	Madagascar
MF056571	L2a1b1a	Madagascar	MF056673	L1c3a	Madagascar
MF056573	L3b1a1a	Madagascar	MF056678	L3b1a3	Madagascar
MF056575	L4b2a	Madagascar	MF056680	L3b1a1a	Madagascar
MF056582	L3b1a1a	Madagascar	MF056681	L3e2b+152	Madagascar
MF056587	L3b1a8	Madagascar	MF056686	L2a1b1a	Madagascar
MF056589	L3b1a1a	Madagascar	MF056688	L4b1a	Madagascar
MF056591	L3d1a1a	Madagascar	MF056700	L3e2b+152	Madagascar
MF056594	L2a1a2	Madagascar	MF056701	L3b1a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF056702	L3e1a3a	Madagascar	MF056824	L2a1b1a	Madagascar
MF056703	L3b1a1a	Madagascar	MF056825	L3f1b4a1	Madagascar
MF056706	L3e1d1	Madagascar	MF056828	L3d1a1a	Madagascar
MF056707	L2a1a2	Madagascar	MF056829	L0a2a2a	Madagascar
MF056709	L3d1a1a	Madagascar	MF056830	L0a2a2a	Madagascar
MF056711	L2a1a2	Madagascar	MF056831	L3b1a1a	Madagascar
MF056712	L3f1b4a	Madagascar	MF056832	L3e1a3a	Madagascar
MF056715	L2a1b1a	Madagascar	MF056833	L3k1	Madagascar
MF056721	L3b1a1a	Madagascar	MF056835	L3b1a1a	Madagascar
MF056724	L0a2a2a	Madagascar	MF056837	L0a2a2a	Madagascar
MF056728	L3e2b+152	Madagascar	MF056838	L3e1a3a	Madagascar
MF056735	L3d1a1a	Madagascar	MF056839	L3k1	Madagascar
MF056741	L3e2b+152	Madagascar	MF056840	L1b1a	Madagascar
MF056745	L3b1a1a	Madagascar	MF056841	L3d1a1a	Madagascar
MF056747	L4b1a	Madagascar	MF056842	L3e3a	Madagascar
MF056748	L3e1a1a	Madagascar	MF056843	L3b1a8	Madagascar
MF056749	L2a1b1a	Madagascar	MF056844	L3d1a	Madagascar
MF056750	L2a1a2	Madagascar	MF056845	L3b1a1a	Madagascar
MF056753	L3e1a1a	Madagascar	MF056849	L3b1a1a	Madagascar
MF056755	L3e1a1a	Madagascar	MF056850	L3b1a1a	Madagascar
MF056763	L3e1a1a	Madagascar	MF056862	L3b1a1a	Madagascar
MF056764	L2a1b1a	Madagascar	MF056874	L2a1f	Madagascar
MF056766	L3e3a	Madagascar	MF056877	L2a1b1a	Madagascar
MF056768	L3b1a8	Madagascar	MF056878	L3f1b4a1	Madagascar
MF056776	L3e3a	Madagascar	MF056879	L2a1b1a	Madagascar
MF056777	L3e1e	Madagascar	MF056881	L3b1a1a	Madagascar
MF056780	L2b1a3	Madagascar	MF056883	L2a1f	Madagascar
MF056785	L3b1a8	Madagascar	MF056886	L3e1b2	Madagascar
MF056794	L1c3a	Madagascar	MF056888	L3b1a1a	Madagascar
MF056797	L3e1d1	Madagascar	MF056893	L0a2a2a	Madagascar
MF056805	L3e1d1	Madagascar	MF056896	L3e3a	Madagascar
MF056810	L3b1a8	Madagascar	MF056903	L3e1b2	Madagascar
MF056811	L2a1b1a	Madagascar	MF056904	L2a1b1a	Madagascar
MF056814	L3d1a1a	Madagascar	MF056914	L2a1a2	Madagascar
MF056818	L3b1a8	Madagascar	MF056915	L3e1a3a	Madagascar
MF056819	L3d1a1a	Madagascar	MF056916	L3b1a1a	Madagascar
MF056820	L1c3b1a	Madagascar	MF056925	L3e1a3a	Madagascar
MF056821	L3b1a1a	Madagascar	MF056927	L3e1a3a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF056936	L3d1a1a1	Madagascar	MF057033	L3e3b	Madagascar
MF056940	L2a1a2	Madagascar	MF057037	L0a1b1a1	Madagascar
MF056945	L2a1b1a	Madagascar	MF057040	L3f1b4a1	Madagascar
MF056946	L2a1b1a	Madagascar	MF057042	L3f1b4a1	Madagascar
MF056948	L1c2a1a	Madagascar	MF057043	L2a1b1a	Madagascar
MF056949	L3b1a11	Madagascar	MF057048	L2a1a2	Madagascar
MF056955	L3d1a1a1	Madagascar	MF057051	L3b1a1a	Madagascar
MF056958	L3d1a1a	Madagascar	MF057052	L3b1a1a	Madagascar
MF056959	L3e1a3a	Madagascar	MF057053	L2a1b1a	Madagascar
MF056960	L3e1a3a	Madagascar	MF057055	L2a1a2	Madagascar
MF056963	L3e1d1	Madagascar	MF057056	L3k1	Madagascar
MF056965	L3e1a3a	Madagascar	MF057072	L2a1a2	Madagascar
MF056966	L3d1a1a	Madagascar	MF057073	L3e3b1	Madagascar
MF056967	L3d1a1a	Madagascar	MF057085	L0a2a1b	Madagascar
MF056969	L3e1a3a	Madagascar	MF057088	L3e1a1a	Madagascar
MF056971	L2a1b1a	Madagascar	MF057093	L3e1	Madagascar
MF056976	L2a1b1a	Madagascar	MF057096	L2a1b1a	Madagascar
MF056979	L3e1a1a	Madagascar	MF057097	L3b1a1a	Madagascar
MF056980	L2a1b1a	Madagascar	MF057098	L3b1a1a	Madagascar
MF056986	L2a1b1a	Madagascar	MF057099	L3e3a	Madagascar
MF056987	L3d1a1a1	Madagascar	MF057103	L2a1b1a	Madagascar
MF056991	L3e2b+152	Madagascar	MF057105	L3e1a1a	Madagascar
MF056993	L3e3b1	Madagascar	MF057106	L3b1a1a	Madagascar
MF056994	L3e1a3a	Madagascar	MF057107	L3b1a1a	Madagascar
MF056998	L2a1a2	Madagascar	MF057109	L3d1a1a1	Madagascar
MF057002	L3x1a2	Madagascar	MF057111	L3b1a1a	Madagascar
MF057008	L3e1a1a	Madagascar	MF057113	L3e3b1	Madagascar
MF057011	L2b2a	Madagascar	MF057119	L3b1a8	Madagascar
MF057013	L2a1a2	Madagascar	MF057121	L0a2a2a	Madagascar
MF057014	L0a2a2a	Madagascar	MF057122	L2a1b1a	Madagascar
MF057019	L3b1a1a	Madagascar	MF057124	L0a2a2a	Madagascar
MF057020	L3e3a	Madagascar	MF057125	L3b1a1a	Madagascar
MF057025	L2a1a2	Madagascar	MF057126	L2a1b1a	Madagascar
MF057026	L2a1b1a	Madagascar	MF057127	L2a1b1a	Madagascar
MF057027	L3f1b4a1	Madagascar	MF057128	L2a1a2	Madagascar
MF057028	L2a1b1a	Madagascar	MF057129	L2a1b1a	Madagascar
MF057029	L0a2a2a	Madagascar	MF057130	L3d1a1a1	Madagascar
MF057031	L3e3a	Madagascar	MF057132	L3e1a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057133	L2a1b1a	Madagascar	MF057198	L2a1b1a	Madagascar
MF057135	L2a1b1a	Madagascar	MF057199	L0a2a2a	Madagascar
MF057137	L3a+709	Madagascar	MF057200	L3b1a1a	Madagascar
MF057138	L1c2b1a'b	Madagascar	MF057203	L0a2a2a	Madagascar
MF057141	L0a2a2a	Madagascar	MF057204	L3e1a1a	Madagascar
MF057143	L2a1b1a	Madagascar	MF057205	L3e1a1a	Madagascar
MF057147	L0a2a2a	Madagascar	MF057206	L3e1a1a	Madagascar
MF057148	L0a2a2a	Madagascar	MF057209	L3d1a1a1	Madagascar
MF057150	L0a1b1a1	Madagascar	MF057210	L3d1a1a	Madagascar
MF057151	L2a1a2	Madagascar	MF057211	L3b1a1a	Madagascar
MF057153	L2a1f3	Madagascar	MF057213	L3b1a1a	Madagascar
MF057154	L0d2a'b'd	Madagascar	MF057217	L2d1a	Madagascar
MF057155	L0d1c	Madagascar	MF057218	L3e2b+152	Madagascar
MF057157	L1c1d	Madagascar	MF057225	L2a1b1a	Madagascar
MF057158	L2a1f3	Madagascar	MF057228	L3e1d1	Madagascar
MF057159	L3e3a	Madagascar	MF057232	L2a1b1a	Madagascar
MF057160	L2a1f3	Madagascar	MF057233	L1c1d	Madagascar
MF057161	L0a2a2a	Madagascar	MF057235	L2a1b1a	Madagascar
MF057162	L0a1b1a1	Madagascar	MF057238	L2a1b1a	Madagascar
MF057164	L3b1a1a	Madagascar	MF057239	L0a2a2a	Madagascar
MF057165	L3b1a1a	Madagascar	MF057241	L0a1a2	Madagascar
MF057166	L2a1g	Madagascar	MF057242	L2a1b1a	Madagascar
MF057168	L3e3a	Madagascar	MF057245	L0a1b1a1	Madagascar
MF057171	L1c3a	Madagascar	MF057246	L2a1a2	Madagascar
MF057172	L3e3a	Madagascar	MF057247	L3e2b+152	Madagascar
MF057175	L3e1b2	Madagascar	MF057250	L3f1b4a1	Madagascar
MF057176	L3b1a1a	Madagascar	MF057251	L3f	Madagascar
MF057177	L0a2a2a	Madagascar	MF057252	L2a1a2	Madagascar
MF057179	L3d1a1a	Madagascar	MF057253	L0a2a2a	Madagascar
MF057180	L2a1b1a	Madagascar	MF057254	L3a+709	Madagascar
MF057181	L3e3a	Madagascar	MF057255	L3a+709	Madagascar
MF057182	L3e1b2	Madagascar	MF057256	L3a+709	Madagascar
MF057183	L2a1b1a	Madagascar	MF057258	L2a1b1a	Madagascar
MF057184	L2a1a2	Madagascar	MF057261	L3a+709	Madagascar
MF057189	L3e3b2	Madagascar	MF057266	L2a1a2	Madagascar
MF057190	L2c2b1b	Madagascar	MF057268	L2a1b1a	Madagascar
MF057193	L2a1a	Madagascar	MF057269	L3b1a3	Madagascar
MF057195	L2a1b1a	Madagascar	MF057274	L2a5	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057277	L3a+709	Madagascar	MF057367	L3e3a	Madagascar
MF057279	L2a1b1a	Madagascar	MF057369	L3b1a1a	Madagascar
MF057282	L2a1b1a	Madagascar	MF057372	L0a2a2a	Madagascar
MF057291	L3e3b1	Madagascar	MF057373	L3e3b1	Madagascar
MF057293	L3d1a1a1	Madagascar	MF057376	L2a1b1a	Madagascar
MF057294	L3e3b1	Madagascar	MF057377	L2a1b1a	Madagascar
MF057299	L3b1a1a	Madagascar	MF057379	L2b1a3	Madagascar
MF057300	L3b1a1a	Madagascar	MF057380	L3e1a3a	Madagascar
MF057305	L0a2a2a	Madagascar	MF057383	L0a2a2a	Madagascar
MF057308	L3d1a1a1	Madagascar	MF057385	L3e3a	Madagascar
MF057313	L1c3a	Madagascar	MF057386	L3b1a1a	Madagascar
MF057314	L2a1b1a	Madagascar	MF057387	L3e3a	Madagascar
MF057315	L2a1b1a	Madagascar	MF057393	L3b1a1a	Madagascar
MF057316	L2a1h	Madagascar	MF057396	L3a+709	Madagascar
MF057318	L3b1a1a	Madagascar	MF057399	L3e3b1	Madagascar
MF057320	L3e1a3a	Madagascar	MF057400	L3e1a3a	Madagascar
MF057325	L2a1b1a	Madagascar	MF057403	L3e3b1	Madagascar
MF057326	L3e3a	Madagascar	MF057404	L3b1a1a	Madagascar
MF057327	L3e2b	Madagascar	MF057405	L3e3a	Madagascar
MF057328	L3e3b2	Madagascar	MF057406	L2a1b1a	Madagascar
MF057329	L3e3a	Madagascar	MF057407	L3b1a1a	Madagascar
MF057332	L3b1a8	Madagascar	MF057412	L0a2a2a	Madagascar
MF057333	L3d1a1a1	Madagascar	MF057413	L3e1a3a	Madagascar
MF057334	L3d1a1a1	Madagascar	MF057418	L2a1b1a	Madagascar
MF057335	L0a1+16293	Madagascar	MF057420	L0a2a2a	Madagascar
MF057336	L2a1b1a	Madagascar	MF057422	L3k1	Madagascar
MF057338	L2a1a2	Madagascar	MF057424	L0a2a2a	Madagascar
MF057339	L3e1a3a	Madagascar	MF057425	L3e1a3a	Madagascar
MF057340	L2a1b1a	Madagascar	MF057428	L0a2a2a	Madagascar
MF057342	L0a1b1a1	Madagascar	MF057430	L2a1b1a	Madagascar
MF057345	L3e3a	Madagascar	MF057431	L1c3a	Madagascar
MF057346	L0a	Madagascar	MF057432	L0a2a2a	Madagascar
MF057347	L0a	Madagascar	MF057434	L3b1a1a	Madagascar
MF057348	L3b1a1a	Madagascar	MF057435	L3e1a3a	Madagascar
MF057351	L3d1a1a1	Madagascar	MF057436	L3b1a1a	Madagascar
MF057352	L3b1a1a	Madagascar	MF057437	L3e3a	Madagascar
MF057356	L2a1a2	Madagascar	MF057443	L3e1d1	Madagascar
MF057360	L1c1d	Madagascar	MF057444	L1c3b1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057446	L3e1a3a	Madagascar	MF057523	L2a1b1a	Madagascar
MF057449	L1c1d	Madagascar	MF057526	L0a1b1a1	Madagascar
MF057450	L2a1b1a	Madagascar	MF057527	L1c3c	Madagascar
MF057451	L0a2a2a	Madagascar	MF057528	L3b1a1a	Madagascar
MF057455	L2a1b1a	Madagascar	MF057529	L2a1b1a	Madagascar
MF057459	L0a2a2a	Madagascar	MF057532	L2a1b1a	Madagascar
MF057460	L3e1b2	Madagascar	MF057535	L3e2b+152	Madagascar
MF057461	L2a1b1a	Madagascar	MF057540	L3b1a1a	Madagascar
MF057464	L3b1a1a	Madagascar	MF057542	L3d1a1a	Madagascar
MF057465	L2a1b1a	Madagascar	MF057544	L0a2a2a	Madagascar
MF057469	L2a1b1a	Madagascar	MF057545	L1c1d	Madagascar
MF057470	L1c1d	Madagascar	MF057550	L3f1b4a	Madagascar
MF057472	L2a1b1a	Madagascar	MF057553	L4b2a	Madagascar
MF057473	L2a1a2	Madagascar	MF057554	L0a1b1a1	Madagascar
MF057474	L2b1a3	Madagascar	MF057555	L3b1a1a	Madagascar
MF057475	L2a1b1a	Madagascar	MF057559	L3e2b+152	Madagascar
MF057477	L2a1b1a	Madagascar	MF057561	L3b1a1a	Madagascar
MF057478	L2a1b1a	Madagascar	MF057563	L3e1a3a	Madagascar
MF057480	L2a1b1a	Madagascar	MF057566	L2a1b1a	Madagascar
MF057481	L3e3a	Madagascar	MF057572	L2a1b1a	Madagascar
MF057482	L3b1a1a	Madagascar	MF057573	L2a1b1a	Madagascar
MF057487	L0a2a2a	Madagascar	MF057574	L0a2a2a	Madagascar
MF057498	L3b1a1a	Madagascar	MF057583	L0a1b1a1	Madagascar
MF057501	L0a2a2a	Madagascar	MF057586	L2a1b1a	Madagascar
MF057502	L0a1b1a1	Madagascar	MF057587	L2a1b1a	Madagascar
MF057503	L3e1a1a	Madagascar	MF057590	L3b1a1a	Madagascar
MF057504	L0a1b1a1	Madagascar	MF057591	L3d1a1a1	Madagascar
MF057507	L3d3a1	Madagascar	MF057592	L3e3b1	Madagascar
MF057508	L2a1a	Madagascar	MF057598	L2a1a2	Madagascar
MF057509	L3b1a1a	Madagascar	MF057599	L3b1a1a	Madagascar
MF057511	L0a1b1a1	Madagascar	MF057600	L3d1a1a	Madagascar
MF057512	L1c3c	Madagascar	MF057605	L2a1a2a1a	Madagascar
MF057515	L2a1a2	Madagascar	MF057607	L3b1a1a	Madagascar
MF057517	L3e2b+152	Madagascar	MF057617	L3d1a1a	Madagascar
MF057518	L3e1d1	Madagascar	MF057620	L3e3a	Madagascar
MF057520	L3b1a1a	Madagascar	MF057622	L3e2b	Madagascar
MF057521	L1c1d	Madagascar	MF057623	L3f1b4a	Madagascar
MF057522	L3e2b	Madagascar	MF057629	L3b1a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057631	L3b1a1a	Madagascar	MF057723	L3e1a3a	Madagascar
MF057633	L3b1a1a	Madagascar	MF057724	L3e3a	Madagascar
MF057635	L0a2a2a	Madagascar	MF057725	L0a2a2a	Madagascar
MF057636	L3e1e1	Madagascar	MF057726	L3e3a	Madagascar
MF057637	L3e1e1	Madagascar	MF057728	L3e1a3a	Madagascar
MF057638	L2a1b1a	Madagascar	MF057729	L3e1a3a	Madagascar
MF057639	L2a1a2	Madagascar	MF057731	L3e1a3a	Madagascar
MF057644	L3d1a1a	Madagascar	MF057736	L3e3a	Madagascar
MF057645	L2a1f	Madagascar	MF057738	L0a2a2a	Madagascar
MF057646	L2a1b1a	Madagascar	MF057740	L3b1a1a	Madagascar
MF057648	L2a1b1a	Madagascar	MF057741	L2a1b1a	Madagascar
MF057650	L0a2a2a	Madagascar	MF057745	L2a1b1a	Madagascar
MF057651	L3b1a1a	Madagascar	MF057747	L2a1f	Madagascar
MF057653	L3d1a1a	Madagascar	MF057750	L3b2	Madagascar
MF057655	L3d1a1a	Madagascar	MF057753	L3b2	Madagascar
MF057659	L3d1a1a	Madagascar	MF057754	L3e1a3a	Madagascar
MF057664	L2a1b1a	Madagascar	MF057762	L2a1a2	Madagascar
MF057667	L0a1b1a1	Madagascar	MF057763	L3b1a1a	Madagascar
MF057671	L3d1a1a1	Madagascar	MF057766	L3b1a1a	Madagascar
MF057679	L3b1a1a	Madagascar	MF057769	L3e3a	Madagascar
MF057682	L0a2a2a	Madagascar	MF057773	L3b1a1a	Madagascar
MF057683	L3e3a	Madagascar	MF057783	L3b1a1a	Madagascar
MF057686	L0a2a2a	Madagascar	MF057785	L3b1a1a	Madagascar
MF057692	L3b1a1a	Madagascar	MF057786	L3b1a1a	Madagascar
MF057693	L0a2a2a	Madagascar	MF057787	L3d1a1a1	Madagascar
MF057694	L0a2a2a	Madagascar	MF057788	L3b1a1a	Madagascar
MF057696	L0a2a2a	Madagascar	MF057790	L2a1b1a	Madagascar
MF057698	L2a1a2	Madagascar	MF057793	L3e1a3a	Madagascar
MF057702	L3b1a1a	Madagascar	MF057794	L2b1a3	Madagascar
MF057708	L3b1a1a	Madagascar	MF057796	L0a1e	Madagascar
MF057711	L2a1a2	Madagascar	MF057798	L1c3c	Madagascar
MF057712	L3e1a3a	Madagascar	MF057799	L3b1a1a	Madagascar
MF057713	L3e1a3a	Madagascar	MF057801	L3b1a1a	Madagascar
MF057714	L3b1a1a	Madagascar	MF057803	L3b1a1a	Madagascar
MF057715	L3e3a	Madagascar	MF057808	L2a1b1a	Madagascar
MF057718	L3b1a1a	Madagascar	MF057809	L3d1a1a1	Madagascar
MF057719	L3e1a3a	Madagascar	MF057811	L0a1b1a1	Madagascar
MF057720	L2a1+143	Madagascar	MF057813	L3e3b1	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057814	L3b1a1a	Madagascar	MF057894	L2a1h	Madagascar
MF057815	L2a1b1a	Madagascar	MF057903	L1c3c	Madagascar
MF057818	L0a1b1a1	Madagascar	MF057905	L4b1a	Madagascar
MF057820	L0a2a2a	Madagascar	MF057908	L3e1	Madagascar
MF057821	L0a	Madagascar	MF057910	L3d1a1a1	Madagascar
MF057822	L3e3a	Madagascar	MF057911	L3e1a3a	Madagascar
MF057824	L0a2a2a	Madagascar	MF057914	L3d1a1a1	Madagascar
MF057828	L2a1b1a	Madagascar	MF057915	L2a1b1a	Madagascar
MF057829	L3e2b3	Madagascar	MF057916	L0a2a2a	Madagascar
MF057831	L3e1a3a	Madagascar	MF057918	L3b1a1a	Madagascar
MF057832	L1c3a1b	Madagascar	MF057920	L3d1a1a1	Madagascar
MF057833	L3b1a3	Madagascar	MF057921	L3d1a1a1	Madagascar
MF057834	L3d1a1a	Madagascar	MF057922	L3d1a1a1	Madagascar
MF057838	L3e3a	Madagascar	MF057927	L2a1f	Madagascar
MF057842	L3e3a	Madagascar	MF057928	L3b1a1a	Madagascar
MF057843	L1c3c	Madagascar	MF057929	L3e1d1	Madagascar
MF057844	L3b1a1a	Madagascar	MF057933	L0a2a1b	Madagascar
MF057848	L3b1a8	Madagascar	MF057934	L3f1b4a1	Madagascar
MF057849	L0a2a2a	Madagascar	MF057935	L3d1a1a	Madagascar
MF057850	L4b2a1	Madagascar	MF057937	L3e3a	Madagascar
MF057852	L3e1	Madagascar	MF057938	L2a1b1a	Madagascar
MF057853	L3d1a1a	Madagascar	MF057940	L2a1b1a	Madagascar
MF057854	L3e1a1a	Madagascar	MF057943	L2a1a2	Madagascar
MF057856	L3b1a8	Madagascar	MF057946	L0a2a2a	Madagascar
MF057857	L3f1b4a1	Madagascar	MF057947	L2a1a2	Madagascar
MF057859	L3f1b4a1	Madagascar	MF057948	L2a1a2	Madagascar
MF057862	L3b1a8	Madagascar	MF057951	L0a2a2a	Madagascar
MF057863	L3e1d1	Madagascar	MF057955	L0a2a2a	Madagascar
MF057864	L0a2a2a	Madagascar	MF057956	L1c3a	Madagascar
MF057872	L2a1b1a	Madagascar	MF057959	L3e1	Madagascar
MF057874	L3e1a3a	Madagascar	MF057960	L3e1a1a	Madagascar
MF057877	L3e1a3a	Madagascar	MF057961	L3f1b4a1	Madagascar
MF057879	L2a1a3c	Madagascar	MF057967	L2a1a2	Madagascar
MF057882	L3d1a1a1	Madagascar	MF057968	L2a1f	Madagascar
MF057884	L2b1a3	Madagascar	MF057973	L3e1a3a	Madagascar
MF057885	L3e1a3a	Madagascar	MF057978	L2a1b1a	Madagascar
MF057887	L0a2a2a	Madagascar	MF057979	L3e1a3a	Madagascar
MF057889	L3e3a	Madagascar	MF057980	L2a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF057981	L3h1a2	Madagascar	MF058082	L3e3a	Madagascar
MF057985	L3d1a1a	Madagascar	MF058085	L2a1a	Madagascar
MF057986	L3b1a1a	Madagascar	MF058087	L3b1a1a	Madagascar
MF057987	L0a1b1a1	Madagascar	MF058088	L2a1a	Madagascar
MF057994	L3b1a8	Madagascar	MF058090	L3d1a1a1	Madagascar
MF058012	L1c3c	Madagascar	MF058091	L1c3a	Madagascar
MF058013	L3e3b1	Madagascar	MF058092	L3b1a1a	Madagascar
MF058018	L2a1b1a	Madagascar	MF058093	L3b1a1a	Madagascar
MF058021	L3a+709	Madagascar	MF058094	L1c3a1a	Madagascar
MF058025	L3f	Madagascar	MF058095	L2a1a	Madagascar
MF058026	L3e3a	Madagascar	MF058096	L0a2a2a	Madagascar
MF058030	L3b1a1a	Madagascar	MF058097	L2a1b1a	Madagascar
MF058032	L3b1a1a	Madagascar	MF058098	L1c2a1a	Madagascar
MF058038	L3e3b1	Madagascar	MF058099	L2a1b1a	Madagascar
MF058039	L3e3b1	Madagascar	MF058100	L0a1b1a1	Madagascar
MF058040	L2a1b1a	Madagascar	MF058101	L0a1b1a1	Madagascar
MF058043	L2a1a3c	Madagascar	MF058102	L0a1b1a1	Madagascar
MF058044	L2a1b1a	Madagascar	MF058103	L0f	Madagascar
MF058048	L3b1a1a	Madagascar	MF058104	L3e1a3a	Madagascar
MF058049	L2a1b1a	Madagascar	MF058105	L3e2b	Madagascar
MF058051	L3b1a1a	Madagascar	MF058106	L2c2b1b	Madagascar
MF058052	L0a1b1a1	Madagascar	MF058107	L3d1a1a	Madagascar
MF058054	L2a1b1a	Madagascar	MF058108	L1c2a1a	Madagascar
MF058055	L2a1b1a	Madagascar	MF058110	L0a2a2a	Madagascar
MF058059	L3a+709	Madagascar	MF058112	L2c2b1b	Madagascar
MF058061	L3d1a1a	Madagascar	MF058113	L0a2	Madagascar
MF058066	L0a2a2a	Madagascar	MF058115	L3e1a3a	Madagascar
MF058067	L0a2a2a	Madagascar	MF058116	L0a2	Madagascar
MF058069	L1c2a3a	Madagascar	MF058117	L3e3a	Madagascar
MF058070	L3e3b1	Madagascar	MF058118	L2a1b1a	Madagascar
MF058071	L3e1a3a	Madagascar	MF058119	L0a2	Madagascar
MF058072	L2a1b1a	Madagascar	MF058122	L0a2d	Madagascar
MF058074	L3e3a	Madagascar	MF058123	L3d3a1	Madagascar
MF058075	L3e1b2	Madagascar	MF058124	L0a2a1b	Madagascar
MF058077	L1c3b1a	Madagascar	MF058125	L1c2b1b	Madagascar
MF058078	L2a1b1a	Madagascar	MF058126	L0a1'4	Madagascar
MF058079	L3e1a1a	Madagascar	MF058127	L2a1b1a	Madagascar
MF058081	L3b1a8	Madagascar	MF058137	L3d1a1a1	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF058140	L3b1a1a	Madagascar	MF058196	L0a1a2	Madagascar
MF058142	L2b1a3	Madagascar	MF058197	L0a1+16293	Madagascar
MF058144	L2a1b1a	Madagascar	MF058198	L2b2a	Madagascar
MF058145	L3b1a1a	Madagascar	MF058199	L3e3a	Madagascar
MF058146	L1c2a1a	Madagascar	MF058200	L3e3a	Madagascar
MF058147	L2a1b1a	Madagascar	MF058203	L0a2a2a	Madagascar
MF058149	L3d1a1a1	Madagascar	MF058204	L3b1a1a	Madagascar
MF058152	L3e1d1	Madagascar	MF058205	L0a2a2a	Madagascar
MF058153	L2a1b1a	Madagascar	MF058206	L3e1a3a	Madagascar
MF058154	L1c3c	Madagascar	MF058207	L0a2a2a	Madagascar
MF058155	L2a1b1a	Madagascar	MF058209	L0a2a2a	Madagascar
MF058157	L3k1	Madagascar	MF058210	L1b2a	Madagascar
MF058158	L2a5	Madagascar	MF058212	L3e1	Madagascar
MF058159	L2a1g	Madagascar	MF058216	L1c1	Madagascar
MF058161	L3e1d1	Madagascar	MF058217	L0a1b1a1	Madagascar
MF058162	L2a1b1a	Madagascar	MF058219	L3e1a1a	Madagascar
MF058163	L0a1b1a1	Madagascar	MF058222	L3e3b1	Madagascar
MF058165	L3e1a3a	Madagascar	MF058223	L2a1a2a1a	Madagascar
MF058166	L1c2a1a	Madagascar	MF058224	L0a2a2a	Madagascar
MF058167	L3e1a3a	Madagascar	MF058225	L0a2a1a2	Madagascar
MF058168	L3e2b1a2	Madagascar	MF058227	L3b1a1a	Madagascar
MF058169	L3e3b1	Madagascar	MF058233	L2a5	Madagascar
MF058170	L3e2b1a2	Madagascar	MF058234	L3b1a1a	Madagascar
MF058173	L3e3a	Madagascar	MF058235	L4b1a	Madagascar
MF058174	L3b1a1a	Madagascar	MF058237	L4b2a	Madagascar
MF058176	L3d1a1a	Madagascar	MF058238	L3b1a1a	Madagascar
MF058177	L1c2a1a	Madagascar	MF058241	L2a1b1a	Madagascar
MF058179	L4b2a1	Madagascar	MF058243	L3e1d1	Madagascar
MF058182	L0a2	Madagascar	MF058245	L4b1a	Madagascar
MF058183	L2a1a	Madagascar	MF058246	L2a1b1a	Madagascar
MF058184	L4b2a1	Madagascar	MF058249	L3b1a+@16124	Madagascar
MF058185	L4b2a1	Madagascar	MF058251	L3d1a1a	Madagascar
MF058187	L3d1a1a	Madagascar	MF058257	L3b1a1a	Madagascar
MF058188	L0a2	Madagascar	MF058259	L3b1a1a	Madagascar
MF058190	L3d1a1a1	Madagascar	MF058260	L3b1a1a	Madagascar
MF058191	L0a2a2a	Madagascar	MF058261	L2a1b1a	Madagascar
MF058193	L2b2a	Madagascar	MF058264	L3a1	Madagascar
MF058194	L3k1	Madagascar	MF058272	L3b1a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF058276	L3b1a1a	Madagascar	MF058385	L3e1a1a	Madagascar
MF058281	L3b1a1a	Madagascar	MF058387	L0a1b1a1	Madagascar
MF058287	L3b1a1a	Madagascar	MF058389	L2a1b1a	Madagascar
MF058288	L3e1e1	Madagascar	MF058392	L3e2b+152	Madagascar
MF058289	L0a2a2a	Madagascar	MF058393	L0a2a2a	Madagascar
MF058292	L1c1	Madagascar	MF058394	L0a2a2a	Madagascar
MF058293	L3e3b1	Madagascar	MF058396	L2a1b1a	Madagascar
MF058296	L2a1b1a	Madagascar	MF058397	L0a2a2a	Madagascar
MF058308	L3b1a1a	Madagascar	MF058398	L3e3a	Madagascar
MF058309	L3e1a3a	Madagascar	MF058399	L3d1a1a	Madagascar
MF058310	L3b1a1a	Madagascar	MF058400	L3d1a1a	Madagascar
MF058313	L3e3a	Madagascar	MF058401	L3b1a1a	Madagascar
MF058318	L3d1a1a	Madagascar	MF058409	L0a2a2a	Madagascar
MF058322	L0a1b1a1	Madagascar	MF058411	L3f1b1a1	Madagascar
MF058330	L0a1b1a1	Madagascar	MF058413	L3e1a1a	Madagascar
MF058335	L0a2a1a	Madagascar	MF058414	L1c2a1a	Madagascar
MF058339	L3b1a1a	Madagascar	MF058417	L0a2a2a	Madagascar
MF058340	L2a1b1a	Madagascar	MF058419	L0d1c	Madagascar
MF058341	L3d1a1a1	Madagascar	MF058421	L3e2b1a2	Madagascar
MF058342	L3b1a1a	Madagascar	MF058422	L1c3b1a	Madagascar
MF058345	L2a1b1a	Madagascar	MF058424	L3d1a1a1	Madagascar
MF058346	L2a1b1a	Madagascar	MF058427	L0a1b1a1	Madagascar
MF058350	L3b1a1a	Madagascar	MF058430	L2a1b1a	Madagascar
MF058352	L3b1a1a	Madagascar	MF058431	L0a	Madagascar
MF058355	L3e3a	Madagascar	MF058432	L3e3a	Madagascar
MF058356	L3b1a1a	Madagascar	MF058433	L3e3a	Madagascar
MF058363	L1c3a	Madagascar	MF058434	L3e3a	Madagascar
MF058365	L0a2a2a	Madagascar	MF058435	L1c3c	Madagascar
MF058366	L3d1a1a	Madagascar	MF058438	L3e3b	Madagascar
MF058367	L3d1a1a	Madagascar	MF058441	L2a5	Madagascar
MF058368	L3e1a3a	Madagascar	MF058445	L0a2a2a	Madagascar
MF058371	L4b2a1	Madagascar	MF058449	L2a1a2	Madagascar
MF058373	L3e2b+152	Madagascar	MF058454	L0a1b1a1a	Madagascar
MF058374	L2a1b1a	Madagascar	MF058458	L3e3b1	Madagascar
MF058375	L3b1a8	Madagascar	MF058460	L3b1a1a	Madagascar
MF058382	L4b2a1	Madagascar	MF058467	L3b1a1a	Madagascar
MF058383	L3b1a1a	Madagascar	MF058469	L2a5	Madagascar
MF058384	L2a1a2	Madagascar	MF058471	L3b1a1a	Madagascar

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF058472	L3b1a1a	Madagascar	MF058564	L2a1f	Madagascar
MF058479	L3b1a1a	Madagascar	MF058565	L3b1a11	Madagascar
MF058483	L3b1a1a	Madagascar	MF058566	L3e3a	Madagascar
MF058486	L3b1a1a	Madagascar	MF058568	L3f2a1	Madagascar
MF058490	L3b1a1a	Madagascar	MF058571	L3f1b1a	Madagascar
MF058498	L3e2b3	Madagascar	MF058578	L3b1a1a	Madagascar
MF058505	L3e1a3a	Madagascar	MF058579	L0f	Madagascar
MF058506	L3b1a1a	Madagascar	MF058581	L3b1a1a	Madagascar
MF058507	L0a2a2a	Madagascar	MF058582	L3e1d1	Madagascar
MF058509	L2a1a2	Madagascar	MF058587	L3e3b1	Madagascar
MF058511	L2a1b1a	Madagascar	MF058588	L0a2a2a	Madagascar
MF058515	L2a1a2	Madagascar	MF058590	L3e1a1a	Madagascar
MF058521	L0a2a2a	Madagascar	MF058591	L2a1f	Madagascar
MF058525	L1c3c	Madagascar	MF058593	L3b1a1a	Madagascar
MF058528	L3e3b1	Madagascar	MF058597	L0a2a2a	Madagascar
MF058529	L2a1f	Madagascar	MF362754	L0a	Armenia
MF058530	L0a2a2a	Madagascar	MF381287	L0a1b2	Angola
MF058531	L3e3a	Madagascar	MF381288	L3f1b4a	Angola
MF058533	L0a2a2a	Madagascar	MF381289	L3e1a2	Angola
MF058535	L0f	Madagascar	MF381290	L0d1c3	Angola
MF058536	L1c3c	Madagascar	MF381291	L0d1c3	Angola
MF058537	L3b1a1a	Madagascar	MF381292	L0a1b1	Angola
MF058539	L0a2a2a	Madagascar	MF381293	L0a1b1	Angola
MF058540	L2a1b1a	Madagascar	MF381294	L3f1b4a	Angola
MF058541	L2a1b1a	Madagascar	MF381295	L3f1b4a	Angola
MF058544	L3e1e	Madagascar	MF381296	L0a1b1	Angola
MF058545	L3e3a	Madagascar	MF381297	L1c1b	Angola
MF058546	L3e3a	Madagascar	MF381298	L1c1b	Angola
MF058547	L3e3a	Madagascar	MF381299	L0d1b1+@152	Angola
MF058549	L3d1a1a	Madagascar	MF381300	L0a1b1	Angola
MF058550	L3e3a	Madagascar	MF381301	L0a1b1	Angola
MF058552	L3e2b+152	Madagascar	MF381302	L0a2a1b	Angola
MF058553	L2a1f3	Madagascar	MF381303	L0a1b2	Angola
MF058555	L0a2a2a	Madagascar	MF381304	L3e1a2	Angola
MF058557	L3e3b1	Madagascar	MF381305	L0a1b1	Angola
MF058559	L3e1a1a	Madagascar	MF381306	L3f1b4a	Angola
MF058560	L1c3c	Madagascar	MF381307	L3f1b4a	Angola
MF058561	L3e3a	Madagascar	MF381308	L1c1b	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF381309	L1c1b	Angola	MF381347	L1c3a1b	Angola
MF381310	L3d3a1a	Angola	MF381348	L3e1a3a	Angola
MF381311	L3e1a2	Angola	MF381349	L3f1b1a	Angola
MF381312	L3f1b4a	Angola	MF381350	L2c2b1b	Angola
MF381313	L0a1b1	Angola	MF381351	L3f1b4a	Angola
MF381314	L1c1b	Angola	MF381352	L3f1b4a	Angola
MF381315	L3e1a2	Angola	MF381353	L1c2b1a'b	Angola
MF381316	L1c1b	Angola	MF381354	L3e1a3a	Angola
MF381317	L3d3a1a	Angola	MF381355	L1c2b1a'b	Angola
MF381318	L0a1b1	Angola	MF381356	L3e1a2	Angola
MF381319	L0a1b1	Angola	MF381357	L3e1e1	Angola
MF381320	L0d1b1b1	Angola	MF381358	L3f1b4a	Angola
MF381321	L3e1a2	Angola	MF381359	L3e1a2	Angola
MF381322	L3d3a1a	Angola	MF381360	L1c1b	Angola
MF381323	L1c1b	Angola	MF381361	L3e1a2	Angola
MF381324	L3d3a1a	Angola	MF381362	L3f1b4a	Angola
MF381325	L3e1a2	Angola	MF381363	L3f1b4a	Angola
MF381326	L1c1b	Angola	MF381364	L3d3a1a	Angola
MF381327	L1c1b	Angola	MF381365	L3f1b4a	Angola
MF381328	L3e1a2	Angola	MF381366	L3f1b4a	Angola
MF381329	L3e1a2	Angola	MF381367	L3f1b4a	Angola
MF381330	L3d3a1a	Angola	MF381368	L3f1b4a	Angola
MF381331	L3f1b4a	Angola	MF381369	L0d1a1b1a	Angola
MF381332	L3e1a2	Angola	MF381370	L0a1b1	Angola
MF381333	L3d3a1a	Angola	MF381371	L3f1b4a	Angola
MF381334	L3e1a2	Angola	MF381372	L0a1b1	Angola
MF381335	L0a1b1	Angola	MF381373	L0a1b1	Angola
MF381336	L3d3a1a	Angola	MF381374	L1c1b	Angola
MF381337	L3d3a1a	Angola	MF381375	L1c1b	Angola
MF381338	L0a2a1b	Angola	MF381376	L0a1b1	Angola
MF381339	L3e1a2	Angola	MF381377	L0a2a1b	Angola
MF381340	L3d3a1a	Angola	MF381378	L1c1b	Angola
MF381341	L3d3a1a	Angola	MF381379	L0a1b1	Angola
MF381342	L3d3a1a	Angola	MF381380	L0a1b1	Angola
MF381343	L3d3a1a	Angola	MF381381	L1c1b	Angola
MF381344	L3d3a1a	Angola	MF381382	L0a1b1	Angola
MF381345	L3f1b4a	Angola	MF381383	L1c1b	Angola
MF381346	L3d3a1a	Angola	MF381384	L3f1b4a	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF381385	L1c1b	Angola	MF381423	L3f1b4a	Angola
MF381386	L0a1b1	Angola	MF381424	L3f1b4a	Angola
MF381387	L1c1b	Angola	MF381425	L1c1b	Angola
MF381388	L1c2a1a	Angola	MF381426	L3f1b4a	Angola
MF381389	L0d1b1b1	Angola	MF381427	L3f1b4a	Angola
MF381390	L1c2a1a	Angola	MF381428	L1c1b	Angola
MF381391	L3f1b4a	Angola	MF381429	L0a1b1	Angola
MF381392	L0d1a1b1a	Angola	MF381430	L3f1b4a	Angola
MF381393	L0d1a1b1a	Angola	MF381431	L3f1b4a	Angola
MF381394	L0d1b1b1	Angola	MF381432	L3f1b4a	Angola
MF381395	L3f1b4a	Angola	MF381433	L1c1b	Angola
MF381396	L0d1a1b1a	Angola	MF381434	L3f1b4a	Angola
MF381397	L0d1a1b1a	Angola	MF381435	L3e1a2	Angola
MF381398	L0d1b1b1	Angola	MF381436	L3e1a2	Angola
MF381399	L0d1a1b1a	Angola	MF381437	L0a1b2	Angola
MF381400	L0d1b1b1	Angola	MF381438	L3e2b	Angola
MF381401	L0d1a1b1a	Angola	MF381439	L3f1b4a	Angola
MF381402	L1c1b	Angola	MF381440	L3e1a2	Angola
MF381403	L3f1b4a	Angola	MF381441	L3f1b4a	Angola
MF381404	L3f1b4a	Angola	MF381442	L3e2b	Angola
MF381405	L0d1a1b1a	Angola	MF381443	L3e1a2	Angola
MF381406	L0d1a1b1a	Angola	MF381444	L3d3a1a	Angola
MF381407	L0d1b1b1	Angola	MF381445	L3d3a1a	Angola
MF381408	L2a1c1	Angola	MF381446	L0a1b2	Angola
MF381409	L3e2b	Angola	MF381447	L0a1b2	Angola
MF381410	L3e4a	Angola	MF381448	L3f1b4a	Angola
MF381411	L0d1a1b1a	Angola	MF381449	L1c1b	Angola
MF381412	L0d1a1b1a	Angola	MF381450	L0a1b1	Angola
MF381413	L0d1a1b1a	Angola	MF381451	L3e1a2	Angola
MF381414	L3f1b4a	Angola	MF381452	L3e1a2	Angola
MF381415	L3e1a2	Angola	MF381453	L0a2a1b	Angola
MF381416	L3d3a1a	Angola	MF381454	L0a1b1	Angola
MF381417	L3d3a1a	Angola	MF381455	L0a2a1b	Angola
MF381418	L3f1b4a	Angola	MF381456	L0a1b1	Angola
MF381419	L0a1b1	Angola	MF381457	L3f1b4a	Angola
MF381420	L3f1b4a	Angola	MF381458	L0a2a1b	Angola
MF381421	L3f1b4a	Angola	MF381459	L0a2a1b	Angola
MF381422	L1c1b	Angola	MF381460	L1c1b	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF381461	L0a2a1b	Angola	MF381499	L0d1b1b1	Angola
MF381462	L3f1b4a	Angola	MF381500	L0d1a1b1a	Angola
MF381463	L3f1b4a	Angola	MF381501	L2c3	Angola
MF381464	L0a1b1	Angola	MF381502	L0d1a1b1a	Angola
MF381465	L0a2a1b	Angola	MF381503	L0d1a1b1a	Angola
MF381466	L0a2a1b	Angola	MF381504	L0d1a1b1a	Angola
MF381467	L1c1b	Angola	MF381505	L1c1b	Angola
MF381468	L0a2a1b	Angola	MF381506	L0d1b1b1	Angola
MF381469	L0a1b1	Angola	MF381507	L0a1b2	Angola
MF381470	L3d3a1a	Angola	MF381508	L0a1b2	Angola
MF381471	L3d3a1a	Angola	MF381509	L0d1b1b1	Angola
MF381472	L0d1b1b1	Angola	MF381510	L1c2a1a	Angola
MF381473	L3f1b4a	Angola	MF381511	L0d1a1b1a	Angola
MF381474	L0a2a1b	Angola	MF381512	L3f1b4a	Angola
MF381475	L3d3a1a	Angola	MF381513	L0d1b1b1	Angola
MF381476	L3d3a1a	Angola	MF381514	L2c3	Angola
MF381477	L0a1b1	Angola	MF381515	L3f1b4a	Angola
MF381478	L3d3a1a	Angola	MF381516	L2c3	Angola
MF381479	L3f1b4a	Angola	MF381517	L2c3	Angola
MF381480	L0a1b2	Angola	MF381518	L0d1b1b1	Angola
MF381481	L3e2b	Angola	MF381519	L0d1a1b1a	Angola
MF381482	L0a1b2	Angola	MF381520	L3f1b4a	Angola
MF381483	L0a1b2	Angola	MF381521	L3d3a1	Angola
MF381484	L0a2a1b	Angola	MF381522	L2c2b1b	Angola
MF381485	L3f1b4a	Angola	MF381523	L2c2b1b	Angola
MF381486	L0d1b1b1	Angola	MF381524	L0d1b1b1	Angola
MF381487	L0d1a1b1a	Angola	MF381525	L3f1b4a	Angola
MF381488	L1c1b	Angola	MF381526	L1c3b1a	Angola
MF381489	L3f1b4a	Angola	MF381527	L3f1b4a	Angola
MF381490	L0a2a1b	Angola	MF381528	L3f1b4a	Angola
MF381491	L1c1b	Angola	MF381529	L0d1b1b1	Angola
MF381492	L0d1b1b1	Angola	MF381530	L0d1a1b1a	Angola
MF381493	L0a2a1b	Angola	MF381531	L0d1b1b1	Angola
MF381494	L0d1b1b1	Angola	MF381532	L0d1b1b1	Angola
MF381495	L0d1b1+@152	Angola	MF381533	L3e2b1a2	Angola
MF381496	L0a1b2	Angola	MF381534	L0d1a1b1a	Angola
MF381497	L0d1b1b1	Angola	MF381535	L3e1a1a	Angola
MF381498	L0d1b1b1	Angola	MF381536	L3e1a2	Angola

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF381537	L0d1c1a1a	Angola	MF381575	L0d2a1a	Angola
MF381538	L0d2a1a	Angola	MF381576	L2e1	Angola
MF381539	L0k1a1a	Angola	MF381577	L3d3a1a	Angola
MF381540	L0k1a1b	Angola	MF381578	L3f1b4a	Angola
MF381541	L0d2a1a	Angola	MF381579	L3e1a2	Angola
MF381542	L0d2a1a	Angola	MF381581	L0d1a1b1a	Angola
MF381543	L0d1b2b1a	Angola	MF621062	L1c2b1a'b	Saudi Arabia
MF381544	L0d2a1a	Angola	MF621063	L3a1a	Kenya
MF381545	L0d1c1a1b	Angola	MF621064	L3b1a1a	Kenya
MF381546	L0d1c1a1a	Angola	MF621065	L3b1a+@16124	Sudan
MF381547	L0d2a1a	Angola	MF621066	L3b1a9	Senegal
MF381548	L3d3a1	Angola	MF621067	L3b1a+152	Mauritania
MF381549	L0d1c1a1a	Angola	MF621068	L3b1a2	Sudan
MF381550	L0k1a1	Angola	MF621069	L3b2b	Mali
MF381551	L0d1c1a1a	Angola	MF621070	L3f1a1	Sudan
MF381552	L0k1a1	Angola	MF621071	L3f1b+16292	Senegal
MF381553	L0d1c1a1a	Angola	MF621072	L3f1b+16292	Saudi Arabia
MF381554	L0d1b1a	Angola	MF621073	L3f1b	Spain
MF381555	L0d2a1a	Angola	MF621074	L3f2a1a	Sudan
MF381556	L0d2a1a	Angola	MF621075	L3f2a1	Sudan
MF381557	L0d2a1a	Angola	MF621076	L3d1b1b	Sudan
MF381558	L0d1c1a1a	Angola	MF621077	L3d1b1b	Sudan
MF381559	L0d1c1a1a	Angola	MF621078	L3d1b3a	Spain
MF381560	L0d2a1a	Angola	MF621079	L3d1b3	Sudan
MF381561	L0d1c1a1b	Angola	MF621080	L3d1c1	Ghana
MF381562	L0k1a1a	Angola	MF621081	L3d3a1	Mozambique
MF381563	L0d2a1a	Angola	MF621082	L3e1a3b	Ghana
MF381564	L0k1a1a	Angola	MF621083	L3e2a1	Kenya
MF381565	L0d2a1a	Angola	MF621084	L3e2b+152	Mozambique
MF381566	L0k1a1b	Angola	MF621085	L3e3b	Mali
MF381567	L0d1c1a1b	Angola	MF621086	L3e4a1	Mauritania
MF381568	L0d1c1a1a	Angola	MF621087	L3e5	Mali
MF381569	L0d2a1a	Angola	MF621088	L3e5a	Saudi Arabia
MF381570	L0d2a1a	Angola	MF621089	L3e5	Spain
MF381571	L0d1c1a1b	Angola	MF621090	L3i1a	Saudi Arabia
MF381572	L0d1b2a1	Angola	MF621091	L3i2	Sudan
MF381573	L0d1c1a1a	Angola	MF621092	L3x1a1	Saudi Arabia
MF381574	L0d1c1a1a	Angola	MF621093	L3x1a2	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF621094	L3x2b	Spain	MF695865	L0a1b1a1a	Kenya
MF621095	L3x2a1a	Jordan	MF695866	L0f	Kenya
MF621096	L3h1a1	Sudan	MF695867	L0a2a2a	Kenya
MF621097	L3h1a1	Sudan	MF695868	L3b1a11	Kenya
MF621098	L3h1a1	Sudan	MF695869	L0a1d	Kenya
MF621099	L3h1a2a1	Tunisia	MF695870	L3b1a1a	Kenya
MF621100	L3h1a2a1	Kenya	MF695871	L0a2a1b	Kenya
MF621101	L3h1a2a1	Sudan	MF695872	L1c1	Kenya
MF621102	L3h1a2a1	Kenya	MF695874	L1c2a3	Kenya
MF621103	L3h1a2a1	Sudan	MF695875	L0a2	Kenya
MF621104	L3h1a2b	Sudan	MF695876	L0a2a2a	Kenya
MF621105	L3h1a2b	Sudan	MF695877	L0a1'4	Kenya
MF621106	L3h1b1a	Saudi Arabia	MF695878	L0a	Kenya
MF621107	L3h1b2	Saudi Arabia	MF695879	L2a1a2	Kenya
MF621108	L4a1a	Saudi Arabia	MF695880	L0a2a2a	Kenya
MF621109	L4a2	Saudi Arabia	MF695881	L0f	Kenya
MF621110	L4a2	Rwanda	MF695882	L2a1a2	Kenya
MF621111	L4b1a	Ivory Coast	MF695883	L0f1	Kenya
MF621112	L4b1	Sudan	MF695885	L3b1a1a	Kenya
MF621113	L4b1	Sudan	MF695886	L3e3a	Kenya
MF621114	L4b1	Kenya	MF695887	L3e3a	Kenya
MF621115	L4b1	Sudan	MF695888	L0a2a2a	Kenya
MF621116	L4b1	Sudan	MF695889	L3e3a	Kenya
MF621117	L4b1	Sudan	MF695890	L3d1a1a	Kenya
MF621118	L4b2a1	Saudi Arabia	MF695891	L0f1	Kenya
MF621119	L4b2b	Equatorial Guinea	MF695892	L2d1a	Kenya
MF621120	L2a1c2a	Ghana	MF695893	L0a1d	Kenya
MF621121	L2a1c3b	Sudan	MF695894	L0f2a1	Kenya
MF621122	L2a1+143+16189	Saudi Arabia	MF695895	L0a2	Kenya
MF621123	L2b1a3	Nigeria	MF695896	L1b1a	Kenya
MF621124	L2d+16129	Mauritania	MF695897	L0a2a2a	Kenya
MF621125	L5a1a	Tanzania	MF695898	L0f2a	Kenya
MF621127	L1b2a	Nigeria	MF695899	L0a	Kenya
MF621128	L1c1a1a1b1	Equatorial Guinea	MF695900	L2a1h	Kenya
MF621129	L1c2a1b	Nigeria	MF695901	L4b2a2	Kenya
MF621130	L0a1b1	Morocco	MF695902	L3e1e	Kenya
MF695863	L3e3a	Kenya	MF695903	L4b2a2	Kenya
MF695864	L0a2a1b	Kenya	MF695904	L3d1a1a1	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF695905	L0a2a2a	Kenya	MF695944	L1c2a1	Kenya
MF695906	L2a1h	Kenya	MF695945	L1c2a1	Kenya
MF695907	L0a2a2a	Kenya	MF695946	L3e3a	Kenya
MF695908	L1b1a	Kenya	MF695947	L3x1a2	Kenya
MF695909	L0a1'4	Kenya	MF695948	L1c2a1	Kenya
MF695910	L3d1a1a1	Kenya	MF695949	L3d1d	Kenya
MF695911	L0a	Kenya	MF695950	L3h1a2a1	Kenya
MF695912	L2a1+143	Kenya	MF695951	L4b2a2	Kenya
MF695913	L3d1a1a	Kenya	MF695952	L3h2	Kenya
MF695914	L3d1a1a1	Kenya	MF695953	L1c2a1	Kenya
MF695915	L0a1b1a1a	Kenya	MF695954	L2a1f	Kenya
MF695916	L2a1b1a	Kenya	MF695955	L2a1f	Kenya
MF695917	L2a1b1a	Kenya	MF695956	L1c2a1	Kenya
MF695918	L0a2	Kenya	MF695957	L1b1a	Kenya
MF695919	L2a1+143	Kenya	MF695958	L1b2a	Kenya
MF695920	L3d1a1a1	Kenya	MF695959	L4b2a2	Kenya
MF695921	L3e3a	Kenya	MF695960	L1b1a3	Kenya
MF695922	L4b2a2	Kenya	MF695961	L3x1a2	Kenya
MF695923	L0a2a2a	Kenya	MF695962	L3d1a1a	Kenya
MF695924	L3e3a	Kenya	MF695963	L1b1a3	Kenya
MF695925	L3e3a	Kenya	MF695964	L2a1f1	Kenya
MF695926	L4b2a2	Kenya	MF695965	L0a3	Kenya
MF695927	L3e3a	Kenya	MF695966	L1c2a1	Kenya
MF695928	L4b2a2	Kenya	MF695967	L3a1	Kenya
MF695929	L2b2a	Kenya	MF695968	L3d1a1a	Kenya
MF695930	L3d1a1a1	Kenya	MF695969	L1c2a1	Kenya
MF695931	L0a2a2a	Kenya	MF695970	L1c2a1	Kenya
MF695932	L0f2a	Kenya	MF695972	L3d1a1a	Kenya
MF695933	L3e1e1	Kenya	MF695973	L2a1f	Kenya
MF695934	L0a2a2a	Kenya	MF695974	L0a2a2a	Kenya
MF695936	L3e3a	Kenya	MF695975	L3e3a	Kenya
MF695937	L0a2a2a	Kenya	MF695976	L4b2a2	Kenya
MF695938	L2a1b1a	Kenya	MF695977	L3e5	Kenya
MF695939	L3e1d1	Kenya	MF695978	L0a2a2a	Kenya
MF695940	L3e3a	Kenya	MF695979	L2a1f	Kenya
MF695941	L3e1d1	Kenya	MF695980	L3e3a	Kenya
MF695942	L2a1h	Kenya	MF695981	L2a1f	Kenya
MF695943	L3e3a	Kenya	MF695982	L3e2b	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF695983	L1c2a3	Kenya	MF696023	L0f	Kenya
MF695984	L3d1a1a	Kenya	MF696024	L2a1h	Kenya
MF695985	L0a2a2a	Kenya	MF696025	L2a1f	Kenya
MF695986	L0a	Kenya	MF696026	L3a2	Kenya
MF695987	L3f	Kenya	MF696027	L3e1e	Kenya
MF695988	L3b1a1a	Kenya	MF696028	L3d1a1a	Kenya
MF695989	L4b2a2	Kenya	MF696029	L1c1	Kenya
MF695991	L2a5	Kenya	MF696030	L2a1	Kenya
MF695992	L3b1a2	Kenya	MF696031	L0a2a2a	Kenya
MF695993	L0f2a	Kenya	MF696032	L3x1a2	Kenya
MF695994	L3b1a2	Kenya	MF696033	L0a1a1	Kenya
MF695995	L2a1b1a	Kenya	MF696034	L2a1a	Kenya
MF695996	L3h1a2a1	Kenya	MF696035	L3e1e1	Kenya
MF695997	L3d1a1a	Kenya	MF696036	L3e3a	Kenya
MF695998	L3e3a	Kenya	MF696037	L0a2a2a	Kenya
MF695999	L0f2a	Kenya	MF696038	L3e3a	Kenya
MF696000	L0f2a	Kenya	MF696039	L0a1'4	Kenya
MF696001	L3d1a1a	Kenya	MF696040	L0f	Kenya
MF696003	L3b1a1a	Kenya	MF696041	L5a1	Kenya
MF696004	L0a2a2a	Kenya	MF696042	L2a5	Kenya
MF696005	L3f1b4a1	Kenya	MF696044	L2a1c4a1	Kenya
MF696006	L1b1a	Kenya	MF696045	L2a1b1a	Kenya
MF696007	L3b1a1a	Kenya	MF696046	L3e1a2	Kenya
MF696008	L3d1a1a	Kenya	MF696047	L1c2a1a	Kenya
MF696009	L3d1a1a	Kenya	MF696048	L0a2a2a	Kenya
MF696010	L3b1a1a	Kenya	MF696049	L3x1a2	Kenya
MF696011	L0a2a2a	Kenya	MF696050	L3e3a	Kenya
MF696012	L3b1a1a	Kenya	MF696051	L0f2a	Kenya
MF696013	L3d1a1a1	Kenya	MF696052	L0a2a2a	Kenya
MF696014	L3d1a1a1	Kenya	MF696053	L3f1b4a1	Kenya
MF696015	L0a2a2a	Kenya	MF696054	L0d1c	Kenya
MF696016	L3e1a2	Kenya	MF696055	L0a2a2a	Kenya
MF696017	L0a2a2a	Kenya	MF696056	L1c2a1a	Kenya
MF696018	L2a1h	Kenya	MF696057	L0a2a2a	Kenya
MF696019	L1b1a	Kenya	MF696058	L3d1a1a1	Kenya
MF696020	L2a1b1a	Kenya	MF696059	L0f	Kenya
MF696021	L2a1h	Kenya	MF696060	L3h1a2a1	Kenya
MF696022	L3e3a	Kenya	MF696061	L1b1a	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MF696062	L1b1a	Kenya	MF696103	L1c3a	Comoros
MF696063	L1b1a	Kenya	MF696104	L0a2	Comoros
MF696064	L0f	Kenya	MF696105	L0a2a1a	Comoros
MF696065	L1b1a	Kenya	MF696106	L2c2b1b	Comoros
MF696066	L3e3a	Kenya	MF696107	L2a5	Comoros
MF696067	L2a1+143+@16309	Kenya	MF696108	L3e3a	Comoros
MF696068	L4b2a2c	Kenya	MF696109	L0a1b1a1	Comoros
MF696069	L0d3	Kenya	MF696110	L3b1a1a	Comoros
MF696070	L3d1a1a	Kenya	MF696111	L3b1a1a	Comoros
MF696071	L3h1b2	Kenya	MF696112	L1c3a	Comoros
MF696072	L1b1a	Kenya	MF696113	L2a1b1a	Comoros
MF696073	L3h1a2a1	Kenya	MF696114	L0a2a2a	Comoros
MF696074	L2a1f	Kenya	MF696115	L0a2a2a	Comoros
MF696075	L0a2a2a	Kenya	MF696116	L2a1b1a	Comoros
MF696076	L3x1a2	Kenya	MF696117	L3e3a	Comoros
MF696078	L0f2a	Kenya	MF696118	L3f2a1	Comoros
MF696079	L3d1a1a	Kenya	MF696119	L0a2a2a	Comoros
MF696080	L0a2a2a	Kenya	MF696120	L0a2a2a	Comoros
MF696081	L0a2a2a	Kenya	MF696121	L3e3a	Comoros
MF696082	L3e1a2	Kenya	MF696122	L0a2a2a	Comoros
MF696083	L2a1b1a	Kenya	MF696123	L0g	Comoros
MF696085	L3d1a1a	Kenya	MF696124	L3e3b2	Comoros
MF696086	L5b2	Kenya	MF696125	L0k2b	Comoros
MF696087	L3e2b	Kenya	MF696126	L2a1b1a	Comoros
MF696088	L0a2a2a	Kenya	MF696127	L1c3c	Comoros
MF696089	L3d1a1a	Kenya	MF696128	L2a1g	Comoros
MF696090	L0a2d	Kenya	MF696129	L2a1b1a	Comoros
MF696091	L0a2a1a	Comoros	MF696130	L0a2a2a	Comoros
MF696092	L1c2a1a	Comoros	MF696131	L2a1f3	Comoros
MF696093	L1c2b2	Comoros	MF696132	L2a1f	Comoros
MF696094	L3d1a1a1	Comoros	MF696133	L3e1d1	Comoros
MF696095	L3e3a	Comoros	MF696134	L3f1b1a1	Comoros
MF696096	L2c2b1b	Comoros	MF696135	L3f1b1a1	Comoros
MF696097	L2a5	Comoros	MF696136	L3f1b1a1	Comoros
MF696098	L2a5	Comoros	MF696137	L3e1d1	Comoros
MF696099	L3b1a1a	Comoros	MF696138	L3d1a1a1	Comoros
MF696100	L2a1f3	Comoros	MF997504	L2a1a1	USA
MF696102	L3d1a1a1	Comoros	MF997533	L3f1b+16292	Unknown

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MG022094	L3d1b2	USA	MH981628	L2a1b1a	South Africa
MG182028	L3e2b1	Algeria	MH981629	L4b2b1	South Africa
MG182030	L2a1a	Algeria	MH981630	L0d1b2b1b	South Africa
MG201854	L0d1a1d	South Africa	MH981631	L0a2a1a2	South Africa
MG561401	L3e2a	Sweden	MH981632	L0d1b2b1b	South Africa
MG571168	L3e1a1a	Peru	MH981633	L0a1b1a1	South Africa
MG609035	L3f1b	USA	MH981634	L0a2a2a	South Africa
MH043563	L2c	Ibiza	MH981635	L3e2b1a2	South Africa
MH043576	L2c	Ibiza	MH981636	L2a1b1a	South Africa
MH161386	L1b1a	USA	MH981637	L0a2a2a	South Africa
MH644539	L3e3b1	Brazil	MH981638	L0d2a1	South Africa
MH681106	L3d6	USA	MH981639	L1c3a	South Africa
MH980013	L3b1a+@16124	Dominican Republic	MH981640	L2a1a2a1a	South Africa
MH981600	L2a1b1a	South Africa	MH981641	L2a1a2a1a	South Africa
MH981601	L0a2a2a	South Africa	MH981642	L2a1b1a	South Africa
MH981602	L0a1b1a1	South Africa	MH981644	L0d2c2	South Africa
MH981603	L0a2a2a	South Africa	MH981645	L2a1b1a	South Africa
MH981604	L0d1c	South Africa	MH981646	L3f1b4a1	South Africa
MH981605	L2a1b1a	South Africa	MH981647	L3f1b4a1	South Africa
MH981606	L3d1a1a1	South Africa	MH981648	L0d1a1a	South Africa
MH981607	L0f1	South Africa	MH981651	L0d1b2b	South Africa
MH981608	L3b1a11	South Africa	MH981653	L0d2a1a	South Africa
MH981609	L2b2a	South Africa	MH981654	L1c2a3a	South Africa
MH981610	L1c2a3a	South Africa	MH981655	L3e2b	South Africa
MH981611	L0d1c	South Africa	MH981657	L2a1b1a	South Africa
MH981612	L3e2b1a2	South Africa	MH981658	L0d1a1d	South Africa
MH981613	L0a1b1a1	South Africa	MH981659	L1c2a3a	South Africa
MH981614	L0d1b2b1b	South Africa	MH981660	L0a2a2a	South Africa
MH981615	L2a1b1a	South Africa	MH981661	L0a2a2a	South Africa
MH981616	L1c1	South Africa	MH981662	L3d1a1a1	South Africa
MH981618	L1c2a3a	South Africa	MH981663	L0a2a2a	South Africa
MH981619	L0a2a1a2	South Africa	MH981664	L0a2a2a	South Africa
MH981620	L3e1a1a	South Africa	MH981665	L2a1b1a	South Africa
MH981621	L0a2a2a	South Africa	MH981666	L0d2b2	South Africa
MH981622	L0d1b2b2a	South Africa	MH981667	L3d1a1a1	South Africa
MH981624	L0d1b2b1b	South Africa	MH981668	L2a1b1a	South Africa
MH981626	L0a2a2a	South Africa	MH981669	L0d2a1a	South Africa
MH981627	L3e2b1a2	South Africa	MH981670	L0d1b2b2b	South Africa

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
MH981671	L0d1b2b2a	South Africa	NA18499	L3e2a1b1	Nigeria
MH981672	L2a1b1a	South Africa	NA18501	L1b1a18	Nigeria
MH981673	L0a1b1a1	South Africa	NA18502	L3e2b1a2	Nigeria
MH981674	L0a2a2a	South Africa	NA18504	L3e2b	Nigeria
MH981675	L3e1a3a	South Africa	NA18505	L2a1f2	Nigeria
MH981676	L2a1b1a	South Africa	NA18507	L1b1a3	Nigeria
MH981677	L0a2a2a	South Africa	NA18508	L3b1a7a	Nigeria
MH981678	L0d2a1	South Africa	NA18510	L0a1a3	USA
MH981679	L2a1a2a1a	South Africa	NA18511	L2a1f	Nigeria
MH981680	L2a1b1a	South Africa	NA18516	L2b1a3	Nigeria
MH981681	L2a1h	South Africa	NA18517	L2c2b1a	Nigeria
MH981682	L2a1b1a	South Africa	NA18520	L3f1b4b	Nigeria
MH981684	L3e1b2	South Africa	NA18522	L2b1a3	Nigeria
MH981685	L1c2a3a	South Africa	NA18523	L2a1f	Nigeria
MH981686	L3d1a1a1	South Africa	NA18853	L3e2b	Nigeria
MH981836	L1c1a2	Paraguay	NA18856	L2a1b3	Nigeria
MH981841	L3e2a1b1	Paraguay	NA18858	L3b3	Nigeria
MH981849	L1b1a12a	Paraguay	NA18861	L0a1a2	Nigeria
MH981851	L2b1b	Paraguay	NA18864	L3d6	Nigeria
MH981854	L1c1b	Paraguay	NA18865	L3b1a5a	Nigeria
MH981867	L3e1a1a	Paraguay	NA18867	L3d1a1b	Nigeria
MH981878	L1b1a12a	Paraguay	NA18868	L2a1c1a1	Nigeria
MK049276	L3a2a	Somalia	NA18870	L2b3a	Nigeria
MK139597	L1b1a+189	Spain	NA18871	L3b1a1	Nigeria
MK139598	L3b1a+@16124	Spain	NA18873	L3e3b	Nigeria
MK139630	L3d1b3a	Spain	NA18874	L2a1a1	Nigeria
MK139649	L3b1a+@16124	Spain	NA18876	L0a1a2	Nigeria
MK228971	L2b2a	USA	NA18877	L0a1a2	Nigeria
MK295855	L0a1a1	Bulgaria	NA18878	L2a1i1	Nigeria
MK321329	L2a1l	Spain	NA18879	L4b2b	Nigeria
MK484611	L4a1	Somalia	NA18881	L3f1b1a	Nigeria
MK572004	L3h1b1a	Libya	NA18907	L3b1a5a	Nigeria
MK732938	L2e	Uganda	NA18908	L2a1c5	Nigeria
NA18486	L1b1a	Nigeria	NA18909	L3e4a	Nigeria
NA18487	L2a1l3	Nigeria	NA18910	L2a1c2a	Nigeria
NA18488	L3e2b8	Nigeria	NA18912	L2a1c4a1	Nigeria
NA18489	L2a1a	Nigeria	NA18915	L1c3b1b	Nigeria
NA18498	L1b1a3b	Nigeria	NA18916	L3b2b	Nigeria

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
NA18917	L1b1a+189	Nigeria	NA19114	L3e1a3b	Nigeria
NA18921	L2b2	Nigeria	NA19116	L2a1e1	Nigeria
NA18923	L1b1a3	Nigeria	NA19117	L2a1a2a1a	Nigeria
NA18924	L1b1a3a	Nigeria	NA19118	L3e2a1b	Nigeria
NA18933	L1b1a15	Nigeria	NA19119	L3b1a7a	Nigeria
NA18934	L3e2a1b1	Nigeria	NA19121	L3d5a	Nigeria
NA19017	L3b1a1a	Kenya	NA19122	L2c1a	Nigeria
NA19019	L5a1b	Kenya	NA19124	L3b1a4	Nigeria
NA19020	L3e2a	Kenya	NA19125	L2a1f	Nigeria
NA19022	L3b1a1a	Kenya	NA19129	L2a1b1	Nigeria
NA19023	L2a1f	Kenya	NA19130	L2a1c3b2	Nigeria
NA19024	L2b1a3	Kenya	NA19131	L1b1a	Nigeria
NA19026	L3b1a1a	Kenya	NA19133	L1b1a3	Nigeria
NA19027	L0a1a+200	Kenya	NA19135	L1b2a	Nigeria
NA19028	L2a5	Kenya	NA19137	L0a1a2	Nigeria
NA19030	L3d1a1a1	Kenya	NA19138	L3e2b3	Nigeria
NA19031	L0b	Kenya	NA19141	L3e1	Nigeria
NA19035	L3e1a3a	Kenya	NA19143	L3b1a7a	Nigeria
NA19036	L3b1a1a	Kenya	NA19144	L3d5a	Nigeria
NA19037	L3h1a1	Kenya	NA19146	L2e1a	Nigeria
NA19038	L3h1a2a1	Kenya	NA19147	L3e2b6	Nigeria
NA19039	L0a3	Kenya	NA19149	L2a1c5	Nigeria
NA19041	L1b1a	Kenya	NA19150	L3e2b8	Nigeria
NA19042	L0a1a+200	Kenya	NA19153	L3d2b	Nigeria
NA19043	L5b2	Kenya	NA19156	L0a1a+200	Nigeria
NA19044	L3b1a1a	Kenya	NA19157	L2a1f	Nigeria
NA19045	L2a5	Kenya	NA19159	L3f1b4c	Nigeria
NA19046	L2a5	Kenya	NA19160	L3e2b2	Nigeria
NA19092	L3e2a1b	Nigeria	NA19162	L3e2a2	Nigeria
NA19093	L2a1c5	Nigeria	NA19163	L1c3b2	Nigeria
NA19095	L2a1a2	Nigeria	NA19166	L3e1b1	Nigeria
NA19096	L2a1c3b2	Nigeria	NA19168	L3e1	Nigeria
NA19098	L3b1a+152	Nigeria	NA19171	L3e3b	Nigeria
NA19099	L2a1m1a	Nigeria	NA19175	L3b1a8	Nigeria
NA19102	L2a1a1	Nigeria	NA19181	L3b1a8	Nigeria
NA19107	L3b2a	Nigeria	NA19182	L3f1b1a	Nigeria
NA19108	L2e1a	Nigeria	NA19184	L3e1b1	Nigeria
NA19113	L3e2b+152	Nigeria	NA19185	L2b1a3	Nigeria

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
NA19187	L4b2b1	Nigeria	NA19309	L3e2b	Kenya
NA19189	L2a1f	Nigeria	NA19310	L3b1a1a	Kenya
NA19190	L1b1a15	Nigeria	NA19311	L0a1a+200	Kenya
NA19195	L3e2a1b2	Nigeria	NA19312	L0a2a2a	Kenya
NA19196	L3e2a1b1	Nigeria	NA19315	L3e3b1	Kenya
NA19197	L2b2	Nigeria	NA19316	L3d1a	Kenya
NA19198	L1b1a15a	Nigeria	NA19317	L5a1c	Kenya
NA19200	L3e3b	Nigeria	NA19318	L5b2	Kenya
NA19201	L2e1	Nigeria	NA19319	L3e3b2	Kenya
NA19204	L3e2a	Nigeria	NA19320	L3b1a1a	Kenya
NA19207	L1b1a3	Nigeria	NA19321	L3b1a1a	Kenya
NA19209	L2b1b	Nigeria	NA19323	L1c2a1a	Kenya
NA19210	L1b1a3	Nigeria	NA19324	L3b1a1a	Kenya
NA19213	L3f1b3	Nigeria	NA19327	L0f	Kenya
NA19214	L3e2a1b1	Nigeria	NA19328	L0a2a2a	Kenya
NA19216	L0a1a2	Nigeria	NA19331	L3b1a1a	Kenya
NA19217	L3e1	Nigeria	NA19332	L5b2	Kenya
NA19220	L3d1	Nigeria	NA19334	L3b1a1a	Kenya
NA19222	L3b1a8	Nigeria	NA19338	L3b1a1a	Kenya
NA19223	L1b1a3	Nigeria	NA19346	L3b1a1a	Kenya
NA19228	L2a1c2a	Nigeria	NA19347	L3b1a1a	Kenya
NA19229	L2c2	Nigeria	NA19350	L0a1a+200	Kenya
NA19235	L3e2b+152	Nigeria	NA19351	L2a1a2	Kenya
NA19236	L3e2b+152	Nigeria	NA19352	L3b1a1a	Kenya
NA19238	L3e2b5	Nigeria	NA19355	L3b1a1a	Kenya
NA19239	L2a1p	Nigeria	NA19359	L4b2a2	Kenya
NA19247	L2b	Nigeria	NA19360	L3b1a1a	Kenya
NA19248	L2b3a	Nigeria	NA19371	L3e1a2	Kenya
NA19250	L1b1a3a1	Nigeria	NA19372	L3b1a1a	Kenya
NA19253	L2b2a	Nigeria	NA19373	L5b1	Kenya
NA19256	L1c3b2	Nigeria	NA19374	L5b1	Kenya
NA19257	L3b1a10	Nigeria	NA19375	L3b1a1a	Kenya
NA19259	L4b2b	Nigeria	NA19376	L2a4b	Kenya
NA19260	L3e3b	Nigeria	NA19377	L3h1a2a1	Kenya
NA19262	L3d1b2	Nigeria	NA19378	L1c2b1a	Kenya
NA19266	L2a1a1	Nigeria	NA19379	L0a1a+200	Kenya
NA19307	L3b1a1a	Kenya	NA19380	L3b1a1a	Kenya
NA19308	L5a1a	Kenya	NA19381	L2a1q	Kenya

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
NA19382	L0a1b1a1a	Kenya	NA19455	L5b2	Kenya
NA19383	L4b1	Kenya	NA19456	L3b1a1a	Kenya
NA19384	L3h1b1a	Kenya	NA19457	L3h1a1	Kenya
NA19385	L1c1d	Kenya	NA19461	L5b2	Kenya
NA19390	L1c3b1a	Kenya	NA19462	L1b1a15	Kenya
NA19391	L3e1e	Kenya	NA19463	L4b2a2b	Kenya
NA19392	L2b1a3	Kenya	NA19466	L0a1b1a1a	Kenya
NA19393	L2a4b	Kenya	NA19467	L0a1c1	Kenya
NA19395	L2a1f	Kenya	NA19468	L3b1a1a	Kenya
NA19396	L3b1a1a	Kenya	NA19469	L2a2b1	Kenya
NA19397	L3b1a1a	Kenya	NA19470	L2a2b1	Kenya
NA19398	L3f2a1	Kenya	NA19471	L1b1a3	Kenya
NA19399	L3e1e	Kenya	NA19472	L3b1a1a	Kenya
NA19401	L3x1a2	Kenya	NA19473	L3b1a1a	Kenya
NA19402	L0a2a2a	Kenya	NA19474	L0b	Kenya
NA19404	L5b1b	Kenya	NA19475	L3b1a1a	Kenya
NA19428	L3b1a1a	Kenya	NA19625	L2a1b+143	USA
NA19429	L3b1a1a	Kenya	NA19700	L3e2b+152	USA
NA19430	L0a1a2	Kenya	NA19703	L0a1b1a	USA
NA19431	L1b1a	Kenya	NA19704	L3e2a1a	USA
NA19432	L4b2a2c	Kenya	NA19707	L3e2a	USA
NA19434	L4b2a2c	Kenya	NA19711	L3e3b	USA
NA19435	L4b2a2c	Kenya	NA19712	L1c2b1c	USA
NA19436	L3b1a1a	Kenya	NA19713	L0a2a2a1	USA
NA19437	L3i1	Kenya	NA19818	L3e1a3a	USA
NA19438	L3a2	Kenya	NA19819	L3e2b+152	USA
NA19439	L3b1a1a	Kenya	NA19834	L1b1a	USA
NA19440	L0a1c	Kenya	NA19835	L2c5	USA
NA19443	L2a2b1	Kenya	NA19900	L3e3b	USA
NA19444	L4b2a2c	Kenya	NA19901	L3f1b1a	USA
NA19445	L4b2a2c	Kenya	NA19904	L0a2a2a	USA
NA19446	L3x1a1	Kenya	NA19908	L2a1c	USA
NA19448	L0a1b1a1a	Kenya	NA19909	L1b2	USA
NA19449	L0a1b1a1a	Kenya	NA19913	L3b1a+@16124	USA
NA19451	L3b1a1a	Kenya	NA19914	L1c3a1b	USA
NA19452	L2a1a2	Kenya	NA19916	L1b1a9	USA
NA19453	L4b2a2c	Kenya	NA19917	L1c1b	USA
NA19454	L0f1	Kenya	NA19920	L3h1b2	USA

Table S1 - Complete dataset analysed for mtDNA studies including the respective haplogroup and country.
(Continuation)

Sample ID	Haplogroup	Country	Sample ID	Haplogroup	Country
NA19921	L3e2a	USA	NA20363	L1c3a	USA
NA19922	L3d3a1	USA	NA20412	L1b1a	USA
NA19923	L2a1c3a1	USA	NA20414	L2a1b+143	USA
NA19984	L2b1a3	USA	NA20753	L1b1a5	Italy
NA19985	L0a2a2a1	USA	NA20903	L2a1d	USA
NA20126	L2a1f1	USA	NA21118	L3i1b	USA
NA20127	L2c5	USA	NA21142	L3i1b	USA
NA20274	L2a1b+143	USA	OL50	L2c	Italy
NA20276	L2a1a3a	USA	OL53	L2c	Italy
NA20278	L3e2a1b1	USA	T-82	L3b1a1a	France
NA20281	L1c1d1	USA			
NA20282	L1b1a	USA			
NA20287	L2a1a2a1	USA			
NA20289	L1b1a4a	USA			
NA20291	L3e4a	USA			
NA20294	L3d1b3a	USA			
NA20296	L3d4	USA			
NA20298	L3k	USA			
NA20317	L3d4	USA			
NA20318	L3d4	USA			
NA20320	L1b1a4	USA			
NA20321	L1b1a4	USA			
NA20322	L1b1a4	USA			
NA20332	L2a1l1b	USA			
NA20334	L0a1a2	USA			
NA20336	L0a1a2	USA			
NA20339	L3d1c1	USA			
NA20340	L2a1a1	USA			
NA20341	L1b1a4a	USA			
NA20342	L3e2b+152	USA			
NA20344	L3e2b1a1	USA			
NA20346	L3e2b1a1	USA			
NA20348	L3e2b1a1	USA			
NA20351	L2a1c1a2	USA			
NA20355	L0a1a2	USA			
NA20357	L2a1e1	USA			
NA20359	L1c3a	USA			
NA20362	L1c3a	USA			