Analysis of the heritage and genetic diversity of influential Afrikaners

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Summary:

Previous studies have claimed that the Afrikaner population of South Africa contains approximately 7% non-European DNA. It is thus ironic that Afrikaners practiced racial separation and discrimination against non-Europeans, which was formalized in the Apartheid policy years. As racism is not dead in South Africa, conservative individuals of both sides of the racial spectrum often have trouble believing in the chequered heritage of Afrikaners. Since pedigree data of early Afrikaner individuals are available, this study attempted to construct pedigrees of several prominent Afrikaner individuals including former Apartheid leaders to establish the truth about Afrikaner genetic composition. Analysis of these pedigrees suggests that the Afrikaner population is heterogeneous with twenty two of the individuals studied having non-European ancestry but with eight having none. The latter tend to have high proportions of French DNA and larger inbreeding coefficients which suggests that the French tended not to admix with others. Finally, this study illustrates that most inbreeding is the result of distant common ancestors.

Literature Review: Racial Admixture and Inbreeding during Colonization

Colonisation History

Currently, the most popular hypothesis on the origin of humans is that they originated from Africa where they admixed with the local populations. This is known as the Leakey Replacement Hypothesis (Green *et al.*, 2010; Hammer, *et al.*, 2011; Reich *et al.*, 2010; Skoglund and Jakobsson, 2011). The hypothesis states that humans had spread across Europe, Asia and Australia by 40000 BC, travelled to the Americas between 20000 and 15000 BC before colonising most of the Pacific by 2000 years ago (Chen *et al.*, 1995).

Countries of Europe founded colonies outside of Europe between the 15th and 20th centuries as a largely mercantile endeavour (Irwin, 1991). Most of the colony founders were male, resulting in highly skewed gender ratios. This created an environment where European men were unable to easily obtain European wives and resorted to local and slave females. Slavery was used in many colonies which created an imbalance of power that provided a source of admixture in addition to that which occurred between different European sources (Berniell-Lee *et al.*, 2008; Bonilla *et al.*, 2004; Lovejoy, 1985; Lovejoy, 1986; Miljkovic-Gacic *et al.*, 2005; Salas *et al.*, 2006; Shell, 1992; Spinola *et al.*, 2002; Stam and Spence, 1983). Islands would sometimes be previously uninhabited and therefore island populations became populated by the colonizers, their slaves and admixed individuals (Berniell-Lee *et al.*, 2008).

Admixture Studies

Typical populations which have previously been studied for inbreeding, admixture and contribution from parent contributions include island populations and those known for admixture. These include the Mestizos, African Americans, Brazilians, Hispanics, Caribbeans and Argentineans as well as the populations of La Reunion and Tristan da Cunha (Benn-Torres *et al.*, 2008; Berniell-Lee *et al.*, 2008; Bonilla *et al.*, 2005; Bonilla *et al.*, 2004; Burchard *et al.*, 2005; Choudhry *et al.*, 2006; Halder *et al.*, 2008; Halder *et al.*, 2009; Hoggart *et al.*, 2004; Klimentidis *et al.*, 2009a; Klimentidis *et al.*, 2009b; Mao *et al.*, 2007; Miljkovic-Gacic *et al.*, 2005; Rangel-Villalobos *et al.*, 2008; Seldin *et al.*, 2007; Sinsheimer *et al.*, 2008; Soodyall *et al.*, 2003; Yang *et al.*, 2005; Zhang *et al.*, 2004; Zhu *et al.*, 2006).

Another population that has been studied is also a result of admixture occurring within South Africa and is known as the coloured population (de Wit, 2010; Patterson, 2007; Quintana-Murci, 2010). The Karretjie people have been similarly studied and are usually considered part of the coloured population themselves, yet the studies show that they are the result of a different admixture event (Schlebusch, 2011). They have shown the typical gender bias (Quintana-Murci, 2010) and have otherwise had their admixture tested for academic purposes and medical research (de Wit, 2010; Patterson, 2007). The coloured population includes Afrikaner ancestry and as the Apartheid laws classified such mixed race individuals as coloureds and subject to different treatment than “pure” Afrikaners.

Colonisation of South Africa

The Portuguese sailor, Bartholomeus Dias, led the first Europeans around the Cape of what was to become South Africa in the late 1480's with the intention to find a sea route to India, which was eventually completed ten years later by Vasco da Gama. Antonio de Saldanha was the first European to land in Table Bay. For one hundred and sixty years, the Cape was used only to trade post under stones for other ships to deliver. The Dutch East India Company agreed to establish a post in Table Bay in 1652 after several recommendations by ships' officers. The expedition was led by Jan Antony van Riebeeck who was ordered to establish a stronghold, grow fruit and vegetables, barter for livestock with the Khoe population and build a hospital and sanctuary for ship repair. The fort was the first building in what was to become Cape Town (International R, 2011).

The colonial system was often associated with racism which carried over to later governments, including the infamous Apartheid of South Africa which this study focuses on. As would be expected from a population led by a racist regime, the Afrikaners still count many racists among their number, leading to many refusing to accept the possibility of having non-European ancestry.

Southern Africa was originally populated by the Khoesan individuals who lived there for thousands of years. The Bantu-speaking people also lived there and they moved further south as their territories expanded (Anderson *et al.*, 2004). The Khoesan are typically

divided into the San who were hunter gatherers and the Khoe-Khoe who were herders. As the Khoesan moved south, they became the first individuals to reach the Cape and as such, were the first individuals met by the early European settlers, though by that time, the Bantu-speaking people had reached the region of the Fish River. They only came into contact with the European settlers later, which may explain a larger number of marriages with Khoesan compared to Bantu-speaking individuals.

The Khoesan traded with the Europeans and was occasionally used as labourers or slaves. There were violent interactions between the groups and intermarriage also occurred (System, 2010).

The Dutch established the Cape Colony as a refreshment station to be used on the sea route to India. As such, it had a harbour for ships to dock. Also important was the vegetable garden which produced vegetables to be sold to the ships as a preventative measure against scurvy. From this early starting point, the colony grew and became more complex and required a larger population, resulting in Dutch citizens immigrating and establishing themselves at the colony (System, 2010).

The Dutch also hired German mercenaries who were refugees from their own country. These Germans shared the Dutch Calvinist religion and as such were willing to work together. These mercenaries joined the colonists at the Cape (Genealoger.com, 2005; Poggenpoel and Giliomee, 1987).

The French Huguenots were driven from France by the revocation of the Edict of Nantes, when France outlawed Protestantism, making Catholicism the only legal religion and allowing persecution of the Protestants. The denomination of Huguenots sought refuge with the Dutch who also practiced a form of Calvinism like the Huguenots and the Dutch granted these Huguenots the opportunity to become colonists where they were encouraged to adopt Dutch culture. Approximately 200 of them arrived from the Netherlands during the time that Simon van der Stel was governor at the Cape (which was between 1679 and 1699) (Bray, 2008; People, 2011).

Other European countries also saw emigration to the Cape colony (Poggenpoel and Giliomee, 1987). This appears to be due to economic hardship in Europe (Poggenpoel and Giliomee, 1987).

The Dutch settlement of the Cape was originally a station used for provision purposes by passing ships. The settlers were allotted farms from 1657 and these mostly produced wine and wheat. Slaves were imported due to demand for labourers. The early 1700s saw the colonists spread beyond the closest mountain ranges, where they had some freedom from Dutch supervision. Their spread and increase in demands resulted in increasing numbers of indigenous people being dispossessed and absorbed into the colony as servants (System, 2010).

Most slaves were imported from 1658 until 1770 when locally-born slaves outnumbered imported slaves and the importing of slaves was banned in 1808 (Hindley, 2002; Shell,

1992). The imported slaves came from East Africa, West Africa, Madagascar and Asia, especially Indonesia and India (Congress, 2008; Lovejoy, 1985; Lovejoy, 1986). From 1722-1739 approximately 60% of slaves came from Asia but this decreased to 23% by the 1790s (Lovejoy, 1986). Locally-born slaves rose from approximately 15% in the 1720s to 48% in the 1790s (Shell, 1992). (Note that the percentage suffered a temporary drop as oceanic trade temporarily increased from the 1770s (Shell, 1992)). By 1793 there were 14747 slaves at the Cape while there were only 13830 Europeans. This excluded indentured servants (Lovejoy, 1986; Ross, 1975). The African slaves were mostly from Guinea and Madagascar and the Asian slaves were mostly from India, Indonesia and Sri Lanka. The largest proportion of slave ancestry in Afrikaners is considered to have come from Indians and Malays (who were from the Indo-Chinese peninsula).

Shortage of Females

The original colonial population was severely male biased which was typical for such colonies (Berniell-Lee et al., 2008). Despite the Dutch policy of avoiding admixture with the locals and/or slaves, it was unavoidable in order for most colonists to obtain wives (Rebirth, 2000). Most colonists were young, single males and as a result, the colony had many men and few women. When slaves were included, the gender situation worsened as mainly strong male slaves were imported for physical labour which left the colonists with few options for wives. The gender ratio of imported slave tended to average around 179 males for every 100 females in the Atlantic slave trade, for example (Geggus, 1989).

The severe male bias resulted in the colony requesting the import of orphan girls to provide possible wives for the colonists. This idea was met with enthusiasm and it was decided that many orphan girls would be sent to the Cape, however, far fewer girls than anticipated could be sent resulting in the impact on the sex ratio being negligible (Ball, 2007).

This culminated in many individuals taking slave wives or at least having children with them. Sometimes the slave would be granted her freedom for this purpose, but some stayed slaves. Free non-Europeans were also taken as wives and used to mother children. Admixture occurs naturally when populations interact. These sex ratio problems encouraged the phenomenon and were in fact necessary for the growth of the colony. Therefore, despite the discouragement of admixture by Dutch policy, it still occurred (Boddy-Evans, 2011).

Racist Barriers to Admixture

Admixture is discouraged by certain forms of racism, such as that practiced during Apartheid, due to the tendency of those who are racist to believe that their own race is superior to those of others and should therefore remain "uncontaminated" by the genes of other races (Raine, 2007). Despite this, racists are still capable of engaging in sexual activity with members of other races for the purposes of self-gratification even though it could result in mixed race offspring, especially if there is little opportunity for sexual relations with their own race. In such cases, marriage can also occur between different

races. The distant descendants of such unions may, if they retain their ancestors' racist attitudes, remain in denial of their mixed ancestry due to their belief that they are members of a pure and superior race. This is the case in some Afrikaners.

Studies on Sex Bias in Admixture

The island of Tristan da Cunha has a population whose mitochondrial DNA and Y-chromosomes contain different proportions of ancestry, suggesting the skewed sex-ratio of the early population (Berniell-Lee et al., 2008). These differences were large, with Y-chromosomes showing 15% East-Asian and the rest European heritage, whilst the mitochondrial DNA showed 44% Indian, 27% East Asian and 10% African heritage. The presence of the Bantu-speaking haplotype of the sickle-cell mutation in Malagasy provided the evidence for African ancestry of that population (Hewitt et al., 1996) while more recent evidence demonstrated a small original population of approximately 30 women, approximately 93% of which were of Indonesian origin, yet surprisingly little sex bias and difference in contribution between the Indonesian and African founders (Cox et al., 2012; Hurles et al., 2005; Tofanelli et al., 2009).

Early Growth of the South African Population

The population of the colony grew at an extremely high rate which was partially influenced by the high immigration rate of both settlers and slaves. The other influence was the high birth rate (de Villiers, 1966a; de Villiers, 1966b; de Villiers, 1966c; GISA,

1999a; GISA, 1999b; GISA, 2006a; GISA, 2006b; GISA, 2007; GISA, 2008a; GISA, 2008b; Heese, 1986; Heese, 1989; Heese, 1992a; Heese, 1992b; Heese, 2001; Heese, 2002a; Heese, 2002b; Heese, 2003; Heese, 2004a; Heese, 2004b). It appears that the birth rate was not reduced by resource competition which insinuates that there were plenty of resources, allowing for many children for all families. This is another influence on the biological history of the population that may have affected the population structure.

Events Leading up to Apartheid

In the years before Apartheid became official policy, black individuals began to exert more political power and economic influence. Missionary related education institutions and international education increased the urbanization and number of professionals among black people, especially when compared to that of the rest of the continent. These had a large influence on the politics of black people and separatist churches were the vehicles of the assertion of early black politics. In 1902, the African Political Organization Segregation was founded by such black individuals as part of the effort to maintain access to rural land. The African National Congress, which would eventually become the ruling party after the end of Apartheid, was founded in 1912 and originally was concerned with organizing protests. Worker strikes and anti-pass law campaigning began after the First World War and continued through the 1920s (System, 2010).

Apartheid was partly formed in response to this as an effort to enforce conservatism. The early principles were laid out in a report written in 1905 which was used as to form the

seminal Natives Land Act in 1913 which restricted land ownership and rental outside of reserves or "homelands" (System, 2010). There was also restriction on skilled labour available for non-Europeans, the removal of the right for Indigenous workers to organize and to control mobility via the Pass Laws from the Natives (Urban Areas) Act of 1923, though Pass Laws were already put into effect on the twenty ninth of June 1857 (Stapleton, 1996).

These efforts were made by the National Convention of 1908 to 1909 to bring unity between Afrikaans and English speaking Europeans. In this goal the convention was not particularly successful (System, 2010).

In 1914, the National Party (NP), which would become the ruling party during Apartheid, split off from the then ruling South African Party and there was a rebellion of Afrikaners against the decision to join the fight against Germany during the First World War. The NP was supported by farmers who had been impoverished by the Anglo-Boer War and those who had lost land due to the development of capitalist farming which had resulted in the development of a caste of lower-class Afrikaners who were incapable of competing with the blacks who were satisfied with lower salaries (System, 2010).

In 1920, a group of 71000 black mineworkers went on strike to protest increases in cost of living, yet this was ended when the compounds housing the workers were isolated. When mines attempted to reduce costs by employing cheaper black labour as opposed to more international European workers, the European workers became militant in response

which resulted in a rebellion in 1922 which was ended with military intervention (System, 2010).

In 1924, a pact government under Hertzog replaced the Smuts regime. The Hertzog regime was characterized by the suspicion of the dominance of mining capital as well as the desire to guard the interests of European labour via increased discrimination against blacks which included further employment discrimination in an effort to combat what was known as the "poor-white problem". In 1934, the major European parties within South Africa merged in an attempt to combat the local symptoms of worldwide depression. Thereafter, another breakaway occurred under D.F Malan who would later become Prime Minister and make Apartheid national policy (System, 2010).

In 1936, the United Party increased their discriminatory policies by removing the people who were indigenous to the Cape Province from those qualified to vote. Originally, the Cape Colony allowed votes based on wealth and gender, rather than race. In addition, a cultural revival led by the European male "Afrikaner Broederbond" and other cultural organizations during 1938 and anti-war sentiment in 1939 increased support for Malan's breakaway (System, 2010).

During the 1930s, the indigenous population attempted to foster unity among themselves and the 1940s saw a revival of large scale militancy which included the founding of the ANC Youth League which developed the leadership capabilities of Anton Lembede, AP

Mda, Oliver Tambo, Walter Sisulu and Nelson Mandela (who became the first President of South Africa after the end of Apartheid) (System, 2010).

During the 1940s, larger political movements returned to urban centres in the form of the squatter movement. A turning point for this political activity and mass mobilization was the 1946 mining strike. World War Two and the economic slump increased the level of discontent. The NP was supported for its determination to keep those with European ancestry in power even in spite of increasing mass resistance to Afrikaner power. They were also supported for their support of impoverished Afrikaners, for challenging the overabundance of English-speaking Europeans in public life, professions and business as well as for the abolishment of South Africa's last ties to Imperial Britain (System, 2010).

The Apartheid Era

The NP was elected under D.F. Malan in 1948, marking the beginning of Apartheid, and was coordinated by the Afrikaner Broederbond in order to ensure the incorporation and advancement of Afrikaner Nationalist policies and interests throughout civil society resulting in support of Afrikaner employment as a state-wide priority (Burger, 2010).

There were three main Apartheid acts which affected admixture. These were the Prohibition of Mixed Marriages Act, the Immorality Amendment Act and the Population Registration Act. The Prohibition of Mixed Marriages Act was Act No. 55 of 1949 which made it illegal for Caucasians to marry members of other races. The Immorality

Amendment Act was Act No. 21 of 1950 and was amended in 1957 as Act No. 23 which made it illegal for Caucasians and Blacks to engage in extra-marital sex. The Population Registration Act was Act No. 30 of 1950 enforced all individuals to have their race recorded. There were several characteristics involved in determining an individual's race which occasionally caused dispute and individuals to be reclassified. These three acts severely restricted admixture between populations due to the legal restrictions that they applied (System, 2010).

Use of Pedigrees in Studies

Examples of Studies which have Made Use of Pedigrees

Studies using pedigrees to estimate population composition have been used both for humans (Greeff, 2007) and other species (Hagger, 2005; Roughsedge et al., 1999) where it was discovered that effective number of ancestors explaining 99% of reference genomes of a population decreases every generation. Deeper pedigrees have also been used to study the population structure and inbreeding coefficients of guide dogs where relatedness has increased to between 15.5% and 25.3% and inbreeding is between 22% and 26.2% (Cole et al., 2004) and other domestic animals (Gutierrez et al., 2003) where it was shown that most Spanish breeds of cattle behave as though founded by a small number of individuals for example. The animals in these studies can be considered models of human populations. However, the lack of monogamy should have a large effect on pedigree structure.

Deep pedigrees have been used in the past to document inbreeding and its negative effect on health and fertility as mentioned earlier (Alvarez et al., 2009; Greeff, 2007; Hussain and Bittles, 1998). Deep pedigrees have also shown how inbreeding coefficient has changed over time in domestic animals which generally increased over time though in some cases it stabilized (Cole et al., 2004; Gutierrez et al., 2003; Mc Parland et al., 2007; Roughsedge et al., 1999).

Population wide pedigree studies using shallow pedigrees (sometimes with as few as three generations) have already been performed for inbreeding analysis in Spain and Italy (Calderon et al., 2009; Cavalli-Sforza et al., 2004; Fuster and Colantonio, 2003).

Previous work also includes the determination of a method to estimate admixture between different human population groups using pedigrees (Sinsheimer et al., 2008). Pedigrees have also previously been used to estimate founder contributions in *Pinus taeda* (Loblolly Pine) with founder contributions ranging from 8.8% to 38.7% (Williams and Reyes-Valdes, 2007). Pedigree analysis has also been used to study founder contribution in hens with varying contributions resulting from differently treated lines (Hagger and Steiger, 2005).

Another use of pedigrees is the estimation of mitochondrial mutation rates (Heyer et al., 2001; Howell et al., 1996) generally showing higher rates than those expected from phylogenies. Pedigrees are also considered useful for the study of evolution such as by

determining the reproductive success of certain individuals and allowing the covariance of relationship and trait expression to be determined (Kruuk and Hill, 2008; Pemberton, 2008). They have also been used to demonstrate the mutation rate of YSTRs (Short Tandem repeats on the Y-chromosome) with an overall rate of 4.85×10^{-3} (Greeff *et al.*, in press).

Deep pedigrees are also used to study purging and inbreeding depression where it was shown that in Jersey cattle, for example, the expressed load (level of inbreeding depression) has decreased by approximately 12.6% (Garcia-Dorado, 2008; Gulisija et al., 2007). Conservation of genetic diversity in dogs was also shown using pedigree data (Wellmann and Pfeiffer, 2009) where it was determined that moderate levels of inbreeding are appropriate for the encouragement of purging of less common disease alleles without causing large levels of inbreeding depression.

Determination of Reliability of Pedigrees and Surnames as Tests of Ancestry

The importance of pedigrees is such that there has been a study on their error rates with an error rate estimation of around 10% in UK dairy cattle (Visscher et al., 2002). However, it has been shown that Afrikaners have a much lower error rate (Greeff *et al.*, in press).

There have been studies testing the accuracy of surnames as markers of ancestry (Bowden *et al.*, 2008; King *et al.*, 2006; King and Jobling, 2009; Martinez-Gonzalez *et*

al., 2011; McEvoy and Bradley, 2006; Winney *et al.*, 2012). One of these studies showed that men with the same surname were likely to share Y-chromosome haplotypes but that this was less likely with common surnames (King *et al.*, 2006). In another such study, it was possible to estimate the date of the foundation of several surnames which tended to be at around 1000 years ago (McEvoy and Bradley, 2006). A third study demonstrated a low genetic diversity in Y-chromosomes within surnames that increased with rarer surnames (King and Jobling, 2009). In another case, a study demonstrated the difference in genetic diversity between two similar surnames of different origins (Martinez-Gonzalez *et al.*, 2011). Yet another study was able to confirm past Viking presence in Great Britain using a combination of surnames and Y-chromosome haplotypes (Bowden *et al.*, 2008). The final study demonstrated that local and non-local surnames tend to have different levels of admixture (Winney *et al.*, 2012).

Conclusion

It appears as though Afrikaners include many nationalities in their ancestry including non-Europeans. The same should theoretically apply to well-known Afrikaners including Apartheid statesmen for whom this would be ironic. It would therefore be of interest to determine if their pedigrees support this assumption.

Questions

The questions asked for this study were therefore:

1) How much did each nationality contribute genetically to the Afrikaner population?
2) What is the typical inbreeding coefficient of influential Afrikaners?
3) Is there a negative relationship between diversity and inbredness?
4) Did homogenization of the Afrikaner population occur over time?
5) Did the French more frequently marry French?

Chapter 2: Research Report

Introduction:

Admixture

When populations meet, admixture caused by the interbreeding between the populations tends to occur. This results in gene flow introducing new alleles into populations and altering genetic structure as well as the creation of new populations.

The effects of colonization on the genetic structure of populations include the establishment of a founder effect and the inbreeding that is often associated with it. The founder effect is the low genetic diversity due to the small number of founding members of the population. Other effects include integration of one population into another and admixture between populations. Another possible effect is the displacement of one population by another. Yet another common effect seen in populations that became admixed this way is a skewed contribution from each gender, with the males contributing more from the dominant population (which is usually the colonizing population) and the females contributing more from the submissive population (which is usually the native population) (Berniell-Lee *et al.*, 2008). This is due to the males from the dominant population taking slaves, sexual partners and wives from the submissive population. This is especially apparent in cases where the colonizing population brings few females with it (Berniell-Lee *et al.*, 2008).

Different countries developed different policies and strategies with regards to the colonization process and related matters. This included their policies on admixture. For example, the Dutch discouraged admixture in order to keep the population Dutch, whilst the Portuguese encouraged it in order to more rapidly grow the population (Mata, 2007).

The Afrikaner Population

The Afrikaner population was founded during this period of colonisation in the Cape Colony and is a textbook example of inbreeding and founder effects (Ridley, 2004). It is generally assumed to be primarily of Dutch descent with some French ancestry and some sources referring to some German ancestry as well. Heese (1971) and de Bruyn (1976) have also performed studies on Afrikaner heritage using genealogical data where de Bruyn followed the pedigrees of sample individuals and Heese estimated using records of dates of immigration. The average results that they found are given in the table below (de Bruyn, 1976; Heese, 1971). Greeff performed a similar study on himself which has since been updated (Greeff, 2007).

Overall, the Afrikaner population has had a fascinating biological and political history. As the population was founded in South Africa, it is technically native to that region despite being mostly of European descent.

Apartheid

Seeing as the Apartheid government consisted mainly of individuals from the Afrikaner population, it would be interesting to determine if these individuals had non-European ancestry since such individuals oppressed non-Europeans. Previous studies do suggest this to be the case as they all estimated a contribution of non-European DNA to the Afrikaner population (de Bruyn, 1976; Heese, 1971; Nurse *et al.*, 1985).

Table 1: Average Contributions as Found by Heese (1971) and de Bruyn (1976)

	Contribution						
Study	NLD	DEU	FRA	Unk	Including vdK	Other European	GBR
Heese (1971)	0.348	0.337	0.132	0.035	0.069	0.027	0.052
de Bruyn (1976)	0.341	0.292	0.247	0.039	0.054	0.024	0.003

NLD is the Dutch contribution; DEU is the German contribution; FRA is the French contribution; Unk is the contribution from unknown sources; GBR is the British contribution; Including vdK is the contribution from non-Europeans including those individuals listed as "van die Kaap" who were not known to be of European descent; Other European is the contribution from other European nationalities.

The system of Apartheid classified people into white, coloured, Bantu and other in the Population Registration Act of 1950. This system of classification was extremely and deliberately vague, imprecise and non-biological depending on appearance, behaviour, culture, family and how both the individual and others identified the individual (Posel, 2009). Other systems of racial discrimination had different methods of defining racial boundaries. For example, the state of Texas was known for the "one-drop principle" which is known in the scientific community as "hypodescent" where an individual was considered non-European if even a single ancestor of the individual was non-European.

The study by Greeff (2007) also suggested that there may have been less admixture between the Afrikaners of French descent and those of other ethnicities. Previous studies have suggested that the population is admixed, inbred or both (Nurse *et al.*, 1985).

Analysis

With the fact that the Afrikaner population has well documented pedigrees (de Villiers, 1966b), it makes sense to study them in order to gain a better understanding of both the Afrikaner population and other populations in general. These pedigrees were extensively recorded in family Bibles and have been collected. They are considered well documented compared to other populations. This is aided by the fact that the pedigrees have been determined to be highly accurate with a nonpaternity rate of only 0.73% (Greeff *et al.*, in press). As such, their pedigrees can be trusted reasonably well. Add in the fact that any cuckoldry between ethnicities would be more likely to be detected and it becomes likely that the admixture of the population should be determinable via studying this documentation.

As the pedigrees used in this study are deep, it becomes virtually impossible to analyse them by hand. Therefore, the program Deconstruct is used (Greeff, 2006). Deconstruct accepts Gedcom files of pedigrees and when the target individual is specified, it runs millions of random paths from the target individual, systematically searching through the tree to discover the target individual's founder ancestors and inbreeding coefficient. It

then displays the path lengths, founder ancestors, number of times each founder ancestor is related to the target individual as well as the relatedness between the two, the number of found and expected founder ancestors and the inbreeding coefficient.

Here I deconstruct the pedigrees of thirty two well known Afrikaners in order to determine whether the predictions of Heese (1971) and/or de Bruyn (1976) are correct about the amount of non-European ancestry contributing to the Afrikaner population. This study also analyzed the inbreeding coefficients of these individuals and the number of generations required to accurately determine the inbreeding coefficient. I also tested if admixture and inbreeding are negatively correlated.

Materials and Methods:

Starting Pedigrees

Familia reported the pedigrees of a number of important Afrikaners in a series of papers (see table 2). We started recording these pedigrees into the program RootsMagic. These pedigrees were then completed in RootsMagic using various genealogical sources (Ball, 2005; Beyers *et al.*, 1946; Botha, 2003; de Villiers, 1965, 1966a, b, c, d; GISA, 1999a, b, 2006a, b, 2007, 2008a, b; Heese, 1965a, b, 1967a, b, 1968a, b, c, 1969a, b, c, d, e, f, 1970, 1971, 1972, 1975, 1986, 1989, 1992a, b, 2001, 2002a, b, 2003, 2004a, b; Heese and Lombard, 1999; Heese and Vorster, 1974; Lombard, 1988; Mare, 2007; Mitford-

Barberton, 1965; Muir, 1970; Pama, 1966, 1970; Rautenbach, 1970; RGN, 1971; Turner, 2007; van der Byl, 1965). The target individuals are listed in Table 2.

Data Processing

The resulting pedigrees were run through the program Deconstruct (Greeff, 2006), which provided inbreeding coefficient, founder ancestors, paths, path length for each path, relatedness and number of times related to each founding ancestor. The nationalities of the founding ancestors were recorded using various articles, books and websites (Ball, 2005; Beyers *et al.*, 1946; Botha, 2003; de Villiers, 1966a; de Villiers, 1966b; de Villiers, 1966c; GISA, 1999a; GISA, 1999b; GISA, 2006a; GISA, 2006b; GISA, 2007; GISA, 2008a; GISA, 2008b; Heese, 1965; Heese, 1967; Heese, 1968a; Heese, 1968b; Heese, 1969a; Heese, 1969b; Heese, 1971; Heese, 1975; Heese, 1986; Heese, 1989; Heese, 1992a; Heese, 1992b; Heese, 2001; Heese, 2002a; Heese, 2002b; Heese, 2003; Heese, 2004a; Heese, 2004b; Heese and Lombard, 1999; Lombard, 1988; Mare, 2007; Pama, 1966; Turner, 2007). These nationalities can be seen in Appendix 1. A program was written by J. M. Greeff in R (source code in Appendix 3), to add the relatedness of founders from the same nationality together in order to calculate the contribution from each nationality (Appendix 1). The results of these analyses were then compared both with each other and with the results obtained in previous studies by Heese (1971) and de Bruyn (1976). If each nationality is considered an axis, each individual can be plotted in multi-dimensional space, as can the population averages as calculated by de Bruyn (1976). The Euclidean distance of each individual's composition from the average

predicted by de Bruyn (1976) was calculated based on a multi-dimensional extrapolation of Pythagoras's theorem on the length of the hypotenuse of right-angled triangles. The resulting distances were then plotted against year of birth in an attempt to judge if the population was becoming closer to de Bruyn's prediction and therefore, exhibiting decreasing variation around his prediction which would suggest that it was becoming more homogenous over time. The distances from Heese's (1971) predictions were also calculated and compared to de Bruyn's (1976) predictions using a paired Student's T-test in order to determine if de Bruyn's (1976) predictions were closer to our results.

Diversity was measured using adaptations of two diversity indices. These diversity indices were the Shannon ($H = -\sum p_i \log p_i$) and Simpson's ($D = \sum p_i^2$) diversity indices which are usually used in ecology to measure species diversity. These indices place different emphasis on number of contributors and individual contribution. For example: Equal contribution from three sources would give a Shannon diversity index of 1.09861 and a Simpson's diversity index of 3, Equal contribution from four sources would give a Shannon diversity index of 1.38629 and a Simpson's diversity index of 4 and a three quarters contribution from one source with a one eighth contribution from each of two others would give a Shannon diversity index of 0.73562 and a Simpson's diversity index of 1.684211. They were adapted to measure diversity in individuals by replacing the community contribution of species with the genetic contribution of nationalities. These diversity indices were plotted against birth date in an attempt to detect if diversity was increasing over time. They were also plotted against inbreeding coefficient to determine if there was an inverse relationship between admixture and inbreeding.

Table 2: The Target individuals with the source of their pedigree, the source of their fame and their birth date.

Target Individual	Known For	Birth Date
P. Retief[1]	Celebrated Voortrekker[33].	12 Nov 1780
J. P. Hoffman[2]	Orange Free State President from 1854-1855.	17 Jan 1808
J. N. Boshoff[3]	Orange Free State President from 1855-1859.	7 Feb 1808
M. W. Pretorius[4]	Transvaal (then SA Republic) State President from 1857-1860 and 1864-1871. Orange Free State President from 1860-1863.	17 Sep 1819
J. H. Brand[5]	Orange Free State President from 1864-1888.	6 Dec 1823
T. F. Burger[6]	Transvaal (then SA Republic) State President from 1872-1877.	15 Apr 1824
S. J. P. Kruger[7]	Transvaal (then SA Republic) State President from 1883-1900. General of the Anglo-Boer War.	1 Oct 1825
P. A. Cronje[8]	Anglo Boer War General.	4 Oct 1836
F. W. Reitz[9]	Orange Free State President from 1889-1895.	5 Oct 1844
J. H. de la Rey[10]	Anglo Boer War General.	22 Oct 1847
S. J. du Toit[11]	Promoter of Afrikaans as a separate language.	9 Oct 1847
C. R. de Wet[12]	Anglo Boer War General.	7 Oct 1847
M. T. Steyn[13]	Orange Free State President from 1896-1902. Anglo Boer War General.	2 Oct 1857
L. Botha[14]	Prime Minister 1910-1919. Anglo Boer War	27 Sep 1862

Table 2: Continued

	General.	
J. B. M. Hertzog[15]	Prime Minister 1924-1939.	3 Apr 1866
J. C. Smuts[16]	Prime Minister 1919-1924 and 1939-1948.	24 May 1870
E. N. Marais[17]	Poet, naturalist and lawyer.	9 Jan 1871
C. J. Langenhoven[18]	Co-writer of "Die Stem"[34].	9 Jan 1873
D. F. Malan[19]	Prime Minister of South Africa 1948-1954.	22 May 1874
M. L. de Villiers[20]	Co-writer of "Die Stem" [34].	31 Jul 1885
H. A. Fagan[21]	Co-writer of "Die Stem" [34].	4 Apr 1889
J. F. Naude[22]	State President Ceremonial from 1967-1968.	15 Apr 1889
J. G. Strijdom[23]	Prime Minister 1954-1958.	14 Jun 1893
C. R. Swart[24]	State President Ceremonial from 1961-1967.	5 Dec 1894
J. J. Fouche[25]	State President Ceremonial from 1968 to 1975.	6 Jun 1898
E. Schoonbie[26]	Wife of H. F. Verwoed: Prime Minister from 1958-1966.	17 may 1901
C. H. Rautenbach[27]	Chancellor of University of Pretoria.	1902
N. J. Diederichs[28]	State President Ceremonial from 1975-1978.	17 Nov 1903
B. J. Vorster[29]	State President Ceremonial from 1978-1979, Prime Minister from 1966-1978	13 Dec 1915
P. W. Botha[30]	State President Executive from 1984-1989. Prime Minister from 1978-1984.	12 Jan 1916
C. N. Barnard[31]	Performed first heart transplant.	8 Nov 1922
F. W. de Klerk[32]	State President Executive from 1989-1994.	18 Mar 1936

Footnotes to Table 2

1. de Villiers (1965) 2. Muir (1970); Pama, (1970) 3. de Villiers (1966a, e, f) 4. Heese (1970) 5. de Villiers (1966a, e, f) 6. Heese (1969e) 7. Heese (1969c, e) 8. GISA (1999a, 2007, 2008a, b); Heese (1986, 1989, 1999, 2001, 2002b, 2003, 2004b); Heese and Lombard (1999) 9. Heese (1969a) 10. GISA (1999a, 2007, 2008a, b); Heese (1986, 1989, 2001, 2002b, 2003, 2005); Heese and Lombard (1999) 11. RGN (1971) 12. de Villiers (1965) 13. Heese (1968a) 14. de Villiers (1966a, b, c) 15. Heese (1967b) 16. van der Byl (1965) 17. Heese (1975) 18. Mitford-Barberton (1965) 19. Heese (1967a) 20. Heese (1965a) 21. Heese (1972) 22. Heese (1968c) 23. Heese (1965b) 24. de Villiers (1966g) 25. Heese (1969b) 26. Heese and Vorster (1974) 27. Rautenbach (1970) 28. GISA (1999a, 2007, 2008a, b); Heese (1986, 1989, 1999, 2001, 2002b, 2003, 2005); Heese and Lombard (1999) 29. Pama (1966) 30. GISA (1999a, 2007, 2008a, b); Heese (1986, 1989, 2001, 2002b, 2003, 2005); Heese and Lombard (1999) 31. Heese (1968b, 1969c) 32. GISA (1999a, 2007, 2008a, b); Heese (1986, 1989, 2001, 2002b, 2003, 2005); Heese and Lombard (1999) 33. The Voortrekkers were Afrikaners who travelled from the Cape on a mass migration known as the Great Trek 34. Die Stem was the South African National Anthem during Apartheid and part of it remains a verse of the current National Anthem.

In order to test for whether or not the French tended to only marry other French, the French contribution was plotted against inbreeding coefficient. In order to make sure that any positive correlation wasn't merely due to large influence from a single nationality, the same was done for the German and Dutch contributions as a control. The inbreeding coefficients were calculated using Deconstruct (Greeff, 2006).

Results:

Diversity

The contributions predicted by this study are closer to de Bruyn's (1976) predictions than to Heese's (1971) predictions (paired Student's T-test: $t = -5.45$, $P < 0.001$). The graph of distance of each individual from de Bruyn's (1976) average against year of birth demonstrates a negative correlation (Spearman Rank Correlation: -0.5451, P= 0.001259, Figure 2). There was a positive correlation between the Shannon diversity index and the

Table 3: South African History Gant chart

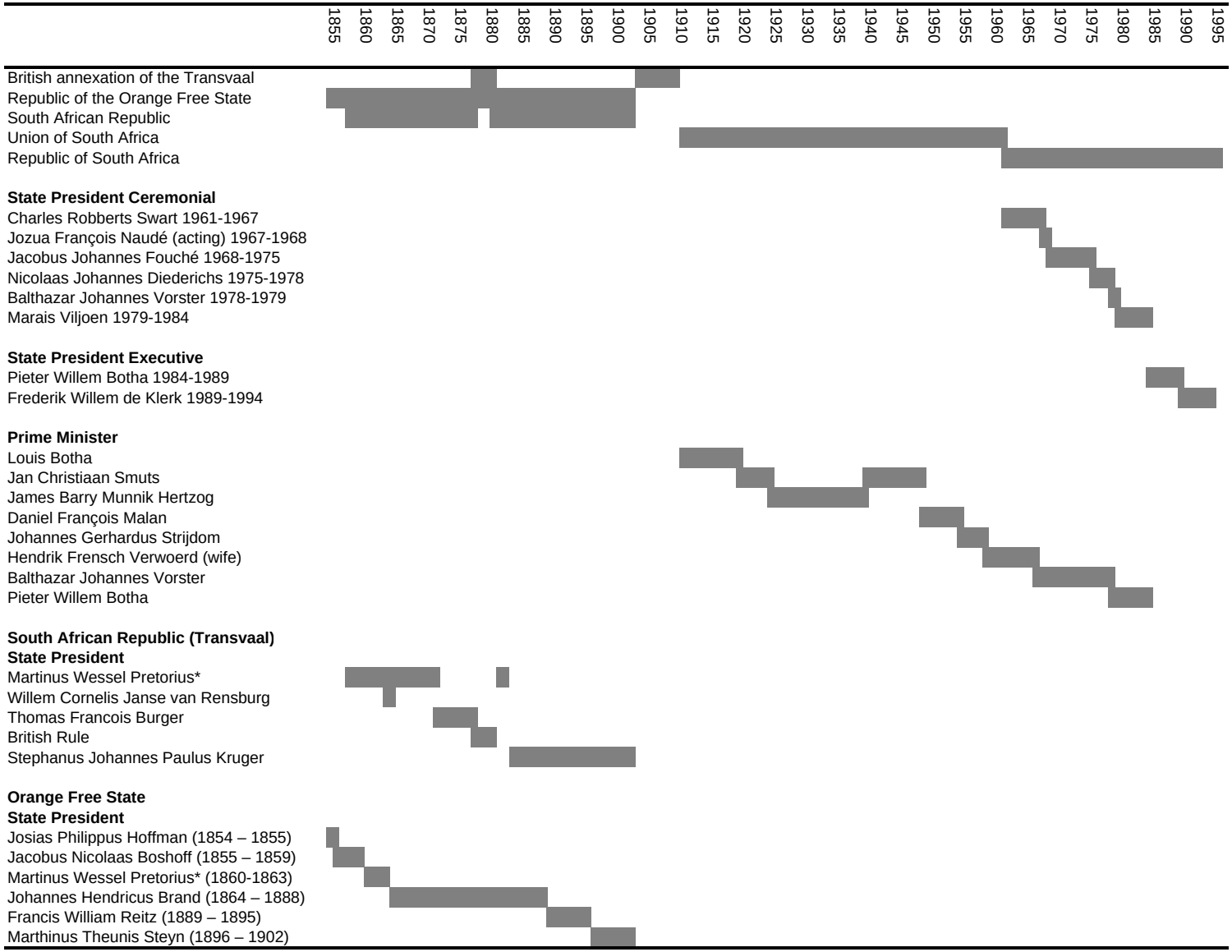

Table 4: Summary table

Name	Year	Inbreeding	Hval	Dval	founders	maximum number of founders	vd.Merwe.rel	vd.Merwe.hits
P. Retief	1780	0.015664	0	1	19	23	0	0
J. N. Boshoff	1808	0	1.128141	2.744618	47	54	0.03125	1
J. P. Hoffman	1808	0.039062	1.18835	2.767568	12	18	0	0
M. W. Pretorius	1819	0	1.555651	3.404821	36	38	0	0
J. H. Brand	1823	0	0.774593	2.311512	25	25	0	0
S. J. P. Kruger	1825	0.004192	1.211266	2.995931	72	87	0.007813	1
T. F. Burger	1834	0	1.06736	2.824828	32	50	0.0625	4
P. A. Cronjé	1836	0	1.539988	3.772942	60	77	0	0
F. W. Reitz	1844	0	0.865992	2.131113	29	29	0	0
J. H. de la Rey	1847	0	1.298518	2.810292	47	42	0	0
S. J. du.Toit	1847	0.013069	0.671789	1.528073	45	85	0.007813	1
C. R. de Wet.	1854	0	1.365201	4.058459	62	95	0.023438	3
M. T. Steyn	1857	0.006579	1.320525	3.623476	80	123	0	0
L. Botha	1862	0.003689	1.223315	2.923626	80	122	0.007813	1
J. B. M. Hertzog	1866	0.004265	1.26044	3.11128	60	98	0.039063	8
J. C. Smuts	1870	1.342061	2.947044	2.947044	96	119	0.007813	1
E. N. Marias	1871	0	1.24536	3.534081	48	61	0.007813	1
C. J. Langenhoven	1873	0.000488	1.382263	3.532176	65	74	0	0
D. F. Malan	1874	0.02904	0.434662	1.272519	49	159	0	0
M. L. de Villiers	1885	0.003472	1.432691	3.055363	90	145	0.003906	1
H.A. Fagan	1889	0	1.782242	5.698039	87	107	0.003906	1
J.F. Naudé	1889	0.006166	1.15163	2.624905	75	170	0.011719	3
J.G. Strijdom	1893	0.000613	1.705973	5.330622	99	158	0.013672	4
C. R. Swart	1894	0.001121	1.32801	3.304433	160	268	0.009766	4
J. J. Fouché	1898	0.002312	1.35565	3.317963	168	304	0.005859	4
E. Schoonbie	1901	0.002551	1.531282	3.947238	102	223	0.015625	8
C.H. Rautenbach	1902	0.001832	1.471819	4.005286	194	365	0.004883	3
N. J. Diederichs	1903	0.000563	1.185523	9.352682	122	214	0.004883	4
B. J. Vorster	1915	0.002708	1.69624	4.131774	156	275	0.026367	11
P. W. Botha	1916	0.003643	1.336262	3.553086	181	390	0.012695	9
C. N. Barnard	1922	0.020067	1.335328	3.268039	95	288	0.003906	1
F. W. de Klerk	1936	0.001992	1.460297	4.15242	232	515	0.007324	6
average	1866.906	0.047036	1.289169	3.407382	85.15625	150.0313	0.009995	2.5
standard deviation	37.73623	0.236487	0.474442	1.463698	54.96222	122.3254	0.013641	3.01609

Name is the name of the target individual, year is their birth year, inbreeding is their inbreeding coefficient, Hval is their Shannon diversity index, Dval is their Smpson's diversity index, founders is the number of founding members of their pedigree, maximum number offounders is the number of founders that would have been discovered with their pedigree depth had their been no consangeinity, vd.Merwe.rel is their relatedness to van de Merwe, vd.Merwe.hits was the number of times that they were related to van de Merwe, distance from de Bruyn was the distance from de Bruyn's prediction and distance from Heese was the distance from

Table 4: Summary continued

	NLD	DEU	FRA	AUT	BEL	ITA	PRT	CHE	Eng	Wal	Ire	LVA	SVK	POL	DNK	NOR	SWE	IND	CHN	IDN	GIN	MDG	MUS	KEN	vdK	Unk	Inc	Non-European	Including vdK	adjusted
P. Retief	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J. N. Boshoff	0.188	0.301	0.488	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.016	0.016
J. P. Hoffman	0.219	0.125	0.531	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
M. W. Pretorius	0.484	0.172	0.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.031	0.000	0.047	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.031	0.078	0.078	0.082
J. H. Brand	0.281	0.594	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094	0.000	0.000	0.000
S. J. P. Kruger	0.492	0.285	0.094	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.027	0.039	0.008	0.027	0.029
T. F. Burger	0.234	0.438	0.328	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
P. A. Cronjé	0.262	0.203	0.391	0.000	0.031	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.016	0.000	0.000	0.016	0.000	0.000	0.000	0.016	0.000	0.031	0.031	0.047	0.048
F. W. Reitz	0.656	0.203	0.094	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016	0.000	0.000	0.000
J. H. de la Rey	0.477	0.078	0.344	0.000	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.016	0.000	0.000	0.000	0.016	0.000	0.000	0.023	0.039	0.039
S. J. du.Toit	0.109	0.086	0.797	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.008	0.008
C. R. de Wet.	0.391	0.227	0.219	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.008	0.000	0.000	0.000
M. T. Steyn	0.270	0.275	0.355	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.008	0.008	0.000	0.000	0.031	0.031	0.016	0.021	0.053	0.055
L. Botha	0.324	0.164	0.457	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.008	0.016	0.016	0.016
J. B. M. Hertzog	0.383	0.375	0.180	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J. C. Smuts	0.521	0.191	0.172	0.000	0.016	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.016	0.017	0.000	0.000	0.004	0.000	0.016	0.000	0.000	0.000	0.000	0.013	0.000	0.031	0.020	0.032	0.033
E. N. Marias	0.266	0.422	0.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.016	0.016	0.016
C. J. Langenhoven	0.281	0.246	0.375	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.016	0.012	0.012	0.012
D. F. Malan	0.051	0.063	0.883	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000
M. L. de Villiers	0.209	0.090	0.508	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.008	0.029	0.029
H..A..Fagan	0.283	0.098	0.180	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.188	0.000	0.000	0.000	0.039	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.047	0.000	0.008	0.041	0.043
J..F..Naudé	0.270	0.145	0.535	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.008	0.008	0.008	0.008
J..G..Strijdom	0.215	0.258	0.195	0.000	0.000	0.000	0.000	0.000	0.188	0.000	0.000	0.000	0.000	0.016	0.004	0.000	0.004	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.004	0.064	0.025	0.053	0.057
C..R..Swart	0.444	0.267	0.183	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.002	0.021	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.016	0.018	0.037	0.026	0.042	0.044
J..J..Fouché	0.409	0.294	0.217	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.012	0.008	0.000	0.004	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.020	0.010	0.010	0.010
E..Schoonbie	0.309	0.258	0.293	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.020	0.008	0.027	0.035	0.036
C..H..Rautenbach	0.355	0.299	0.204	0.000	0.020	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.008	0.011	0.000	0.000	0.000	0.000	0.000	0.002	0.016	0.013	0.040	0.013	0.028	0.030
N..J..Diederichs	0.165	0.265	0.131	0.000	0.008	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.010	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.003	0.383	0.005	0.021	0.033
B..J..Vorster	0.402	0.218	0.172	0.031	0.018	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.004	0.031	0.016	0.000	0.009	0.004	0.000	0.000	0.000	0.016	0.000	0.021	0.027	0.016	0.029	0.050	0.053
P..W..Botha	0.381	0.282	0.250	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.008	0.002	0.000	0.008	0.000	0.000	0.006	0.000	0.000	0.000	0.002	0.023	0.013	0.014	0.016	0.016
C..N..Barnard	0.342	0.367	0.230	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.002	0.000	0.000	0.012	0.000	0.000	0.002	0.000	0.000	0.000	0.001	0.000	0.008	0.014	0.015	0.015
F..W..de.Klerk	0.389	0.220	0.183	0.000	0.085	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.008	0.005	0.000	0.000	0.000	0.007	0.000	0.000	0.007	0.003	0.076	0.013	0.020	0.021
average	0.314	0.235	0.326	0.001	0.010	0.004	0.005	0.001	0.006	0.004	0.006	0.001	0.000	0.007	0.014	0.002	0.003	0.008	0.001	0.000	0.002	0.001	0.001	0.000	0.009	0.009	0.030	0.013	0.022	0.023
standard deviation	0.139	0.123	0.229	0.006	0.018	0.022	0.014	0.003	0.033	0.022	0.033	0.006	0.001	0.014	0.027	0.006	0.011	0.010	0.006	0.003	0.004	0.002	0.004	0.001	0.010	0.013	0.069	0.016	0.020	0.021

NLD is the Dutch contribution, DEU is German, FRA is French, AUT is Austrian, BEL is Belgian, ITA is Italian, PRT is Portuguese, CHE is Swiss, Eng is English, Wal is Welsh, Ire is Irish, LVA is Latvian, SVK is Slovakian, POL is Polish, DNK is Danish, NOR is Norwegian, SWE is Swedish, IND is Indian, CHN is Chinese, IDN is Indonesian, GIN is Guinean, MDG is Madagascan, KEN is Kenyan, vdK is van die Kaap, Unk is from an unkown origin, Inc is from individuals whose parents are unknon but aren't immigrants, Non-European is the total Non-European contribtion excluding van die Kapp, Including vdK is the total Non-European contribution including van die Kaap and adjusted is the total non-European contribution including van die Kaap adjusted to take into account the unknown and incomplete parts of the pedigree.

Year of Birth (Spearman Rank Correlation: 0.4631, P= 0.00764, Figure 3). There was a positive correlation between Simpson's diversity index and the Year of Birth (Spearman Rank Correlation: 0.6035, P<0.001, Figure 4).

The correlation between the Shannon diversity index and the inbreeding coefficient was not significant (Spearman Rank Correlation: -0.1487, P= 0.418684). Nor was the correlation between Simpson's diversity index and the inbreeding coefficient significant (Spearman Rank Correlation: -0.3047, P= 0.090342). There was a significant correlation between the French contribution and the inbreeding coefficient (Spearman Rank Correlation: 0.4226917, P=0.01276, Figure 5). However, the correlation between the Dutch contribution and the inbreeding coefficient was not significant (Spearman Rank Correlation: -0.2581968, P=0.1404). Similarly, the correlation between the German contribution and the inbreeding coefficient was also not significant (Spearman Rank Correlation: -0.2721, P= 0.131628). The fact that there is no correlation between the two diversity indices makes sense as they two indices place very different weight on the influences on admixture.

Van de Merwe

Due to the fact that Greeff was found to have such a large contribution from van de Merwe (Greeff, 2007), it was decided that the target individuals should have their relatedness to him tested as well to determine if this was a common phenomenon. However, it was seen that none of the individuals studied were related to Willem Schalk

van der Merwe as often as J. M. Greeff was (Greeff, 2007) even though that relatedness to van der Merwe did increase with a larger number of times that an individual was related to van de Merwe. (Pearson's Product-moment Correlation: 0.497875, P= 0.003736, Figure 11). It was also shown that the number of times that an individual was related to van der Merwe did increase with a later birth date (Pearson's Product-moment Correlation: 0.5366466, P= 0.001543 , Figure 10).

Contributions

The mean and standard deviations of the contributions from the various sources is given in table 6. The results for the sampled individuals are indicated in Table 4. A summary which gives the inbreeding coefficients, diversity indices and distance from the average predicted by de Bruyn (1976) is given in Table 5.

Table 5: Table of Inbreeding Coefficients, Diversity Indices and Distances from the Average Predicted by de Bruyn (de Bruyn, 1976).

Name	Birth date	Inbreeding coefficient	Distance from de Bruyn average	Hdiv	Ddiv
P. Retief	1780	0.015664	0.879531694	0	1
J. N. Boshoff	1808	0	0.291754482	1.128141	2.744618
J. P. Hoffman	1808	0.039062	0.371859012	1.18835	2.767568
M. W. Pretorius	1819	0	0.214106574	1.555651	3.404821
J. H. Brand	1823	0	0.382352177	0.774593	2.311512
S. J. P. Kruger	1825	0.004192	0.217646377	1.211266	2.995931
T. F. Burger	1834	0	0.210100943	1.06736	2.824828
P. A. Cronjé	1836	0	0.195426402	1.539988	3.772942
F. W. Reitz	1844	0	0.37528612	0.865992	2.131113
J. H. de la Rey	1847	0	0.276975899	1.298518	2.810292
S. J. du Toit	1847	0.013069	0.63459727	0.671789	1.528073
C. R. de Wet.	1854	0	0.160608961	1.365201	4.058459
M. T. Steyn	1857	0.006579	0.133400854	1.320525	3.623476
L. Botha	1862	0.003689	0.252622136	1.223315	2.923626
J. B. M. Hertzog	1866	0.004265	0.138190115	1.26044	3.11128
J. C. Smuts	1870	0.000184	0.226079757	2.947044	2.947044
E. N. Marias	1871	0	0.126382295	1.24536	3.534081
C. J. Langenhoven	1873	0.000488	0.165903581	1.382263	3.532176
D. F. Malan	1874	0.02904	0.73884185	0.434662	1.272519
M. L. de.Villiers	1885	0.003472	0.384806683	1.432691	3.055363
H. A. Fagan	1889	0	0.376681142	1.782242	5.698039
J. F. Naudé	1889	0.006166	0.336623317	1.15163	2.624905
J. G. Strijdom	1893	0.000613	0.234583719	1.705973	5.330622
C. R. Swart	1894	0.001121	0.12760582	1.32801	3.304433
J. J. Fouché	1898	0.002312	0.095216535	1.35565	3.317963
E. Schoonbie	1901	0.002551	0.089469051	1.531282	3.947238
C. H. Rautenbach	1902	0.001832	0.069448268	1.471819	4.005286
N. J. Diederichs	1903	0.000563	0.220939743	1.185523	9.352682
B. J. Vorster	1915	0.002708	0.152771258	1.69624	4.131774
P. W. Botha	1916	0.003643	0.062513826	1.336262	3.553086
C. N. Barnard	1922	0.020067	0.096330448	1.335328	3.268039
F. W. de Klerk	1936	0.001992	0.145726224	1.460297	4.15242
Average	1867	0.005102	0.262011954	1.289169	3.407382

Hdiv refers to Shannon Diversity Index and Ddiv refers to Simpson's Diversity Index. Something that should be noted is the fact that Matthys\Maaheus de Maker, an ancestor of JJ Fouche from unknown origins is probably European as the sources providing an origin for him, while contradictory, both claim that the origin is from a European country which means that at least that individual of unknown origin isn't non-European. In addition, Elizabeth Slade is probably at least partially of English descent.

Table 6: The Mean and Standard Deviation of Contributions from Various Nationalities

Nationality	Average	Standard deviation
French	0.3262558	0.22890594
Dutch	0.31442261	0.13921892
German	0.23456574	0.12295244
Danish	0.01425934	0.02665813
Belgian	0.01045227	0.01766318
Contribution from individuals listed as "van die Kaap"	0.00894928	0.01042861
Indian	0.00787354	0.01016596
Polish	0.00671387	0.01389894
English	0.00585938	0.03314563
Irish	0.00585938	0.03314563
Portuguese	0.00488281	0.01356797
Italian	0.00390625	0.02209709
Welsh	0.00390625	0.02209709
Swedish	0.00286865	0.01109283
Guinean	0.00183105	0.00446313
Norwegian	0.00152588	0.00609074
Chinese	0.00109863	0.00554512
Austrian	0.00097656	0.00552427
Swiss	0.00097656	0.00313758
Latvian	0.00097656	0.00552427
Mauritian	0.00097656	0.00384273
Madagascan	0.00065613	0.00208864
Indonesian	0.00048828	0.00276214
Kenyan	0.00030518	0.00141273
Slovakian	0.00024414	0.00138107
Contribution from individuals of unknown nationality	0.00914001	0.01265176
Contribution from individuals whose parents are unknown but were not immigrants	0.0300293	0.06855531
Contribution from all non-European nationalities excluding those listed as "van die Kaap" or whose origin was otherwise uncertain	0.01322937	0.01552791
Contribution form the non-European nationalities including those listed as "van die Kaap"	0.02217865	0.020211
Adjustment to the contribution listed as "Including vdK" taking into account the unknown contribution	0.02342918	0.02129214

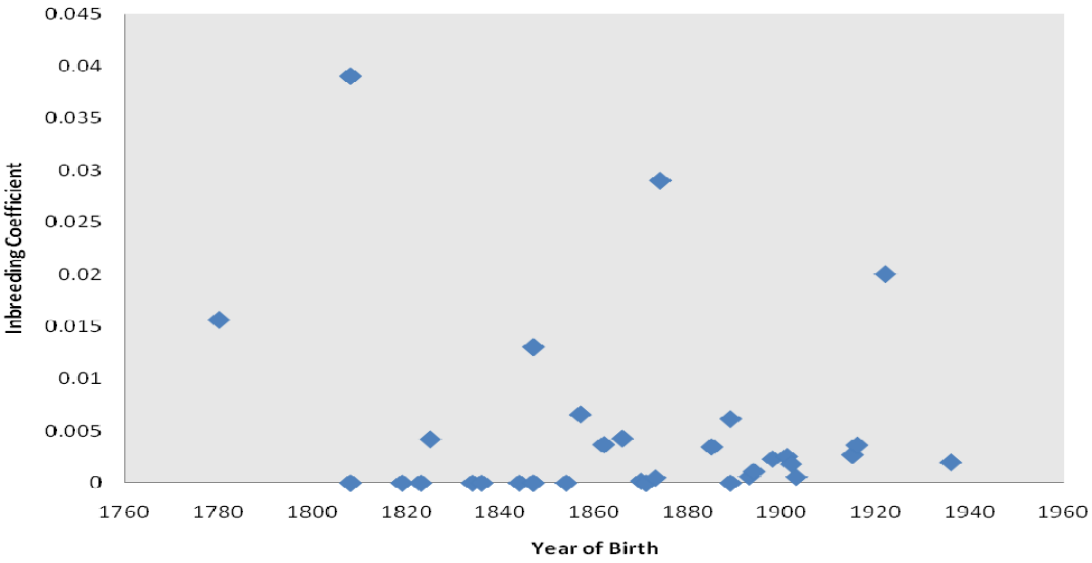

Figure 1: The inbreeding coefficient over time.

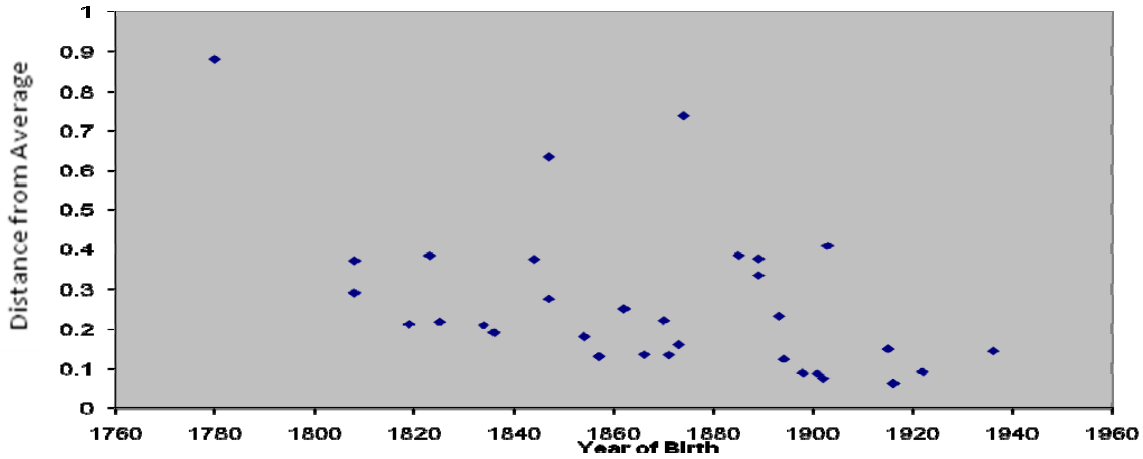

Figure 2: The Distance from the average predicted by de Bruyn (1976) over time.

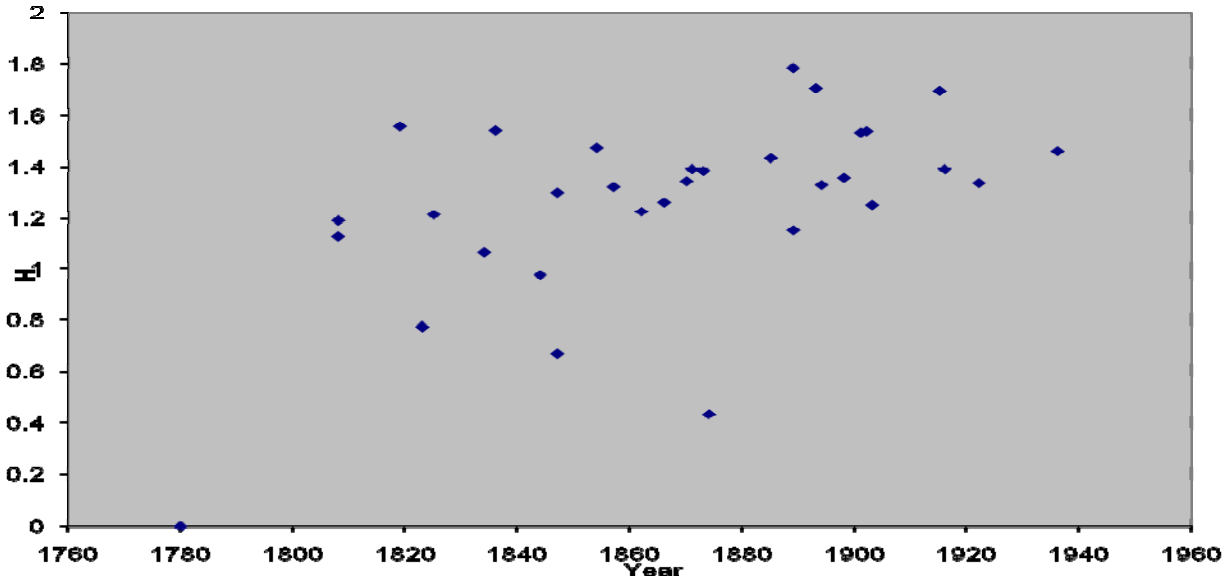

Figure 3: The Shannon diversity index over time.

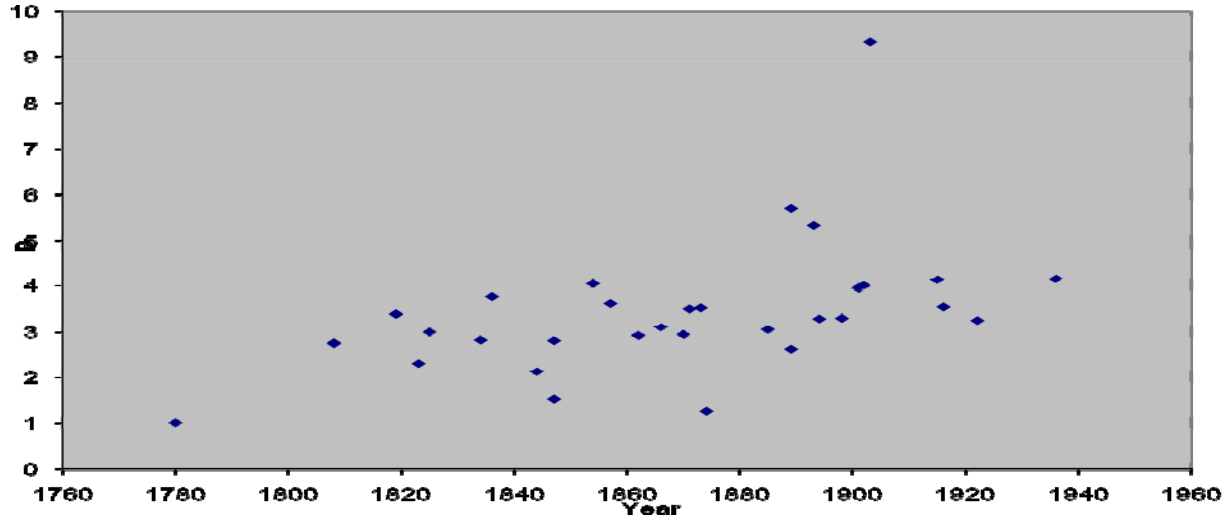

Figure 4: The Simpson's diversity index over time.

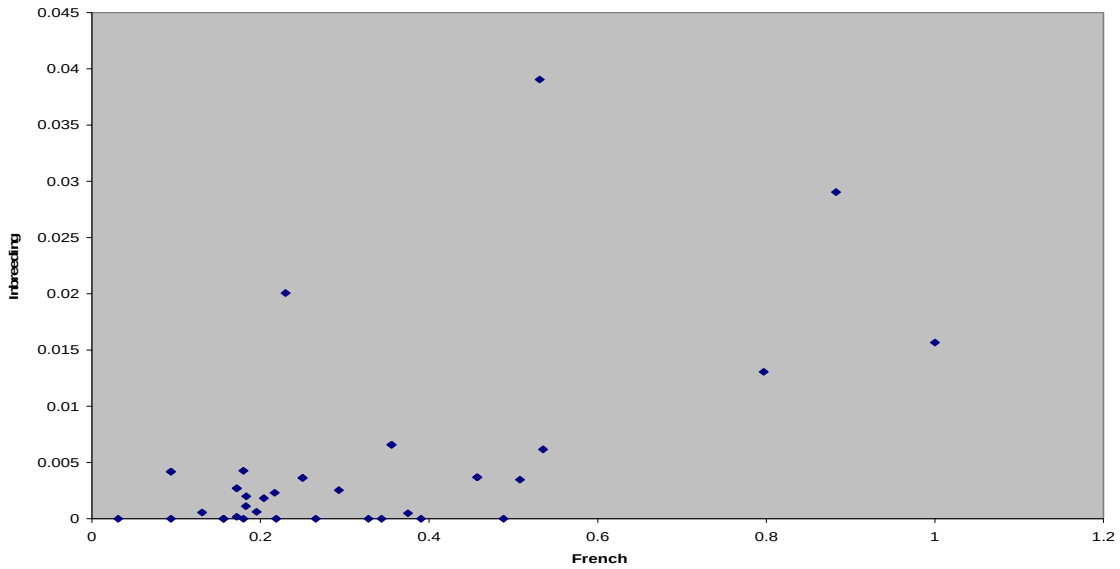

Figure 5: Inbreeding coefficient against French contribution.

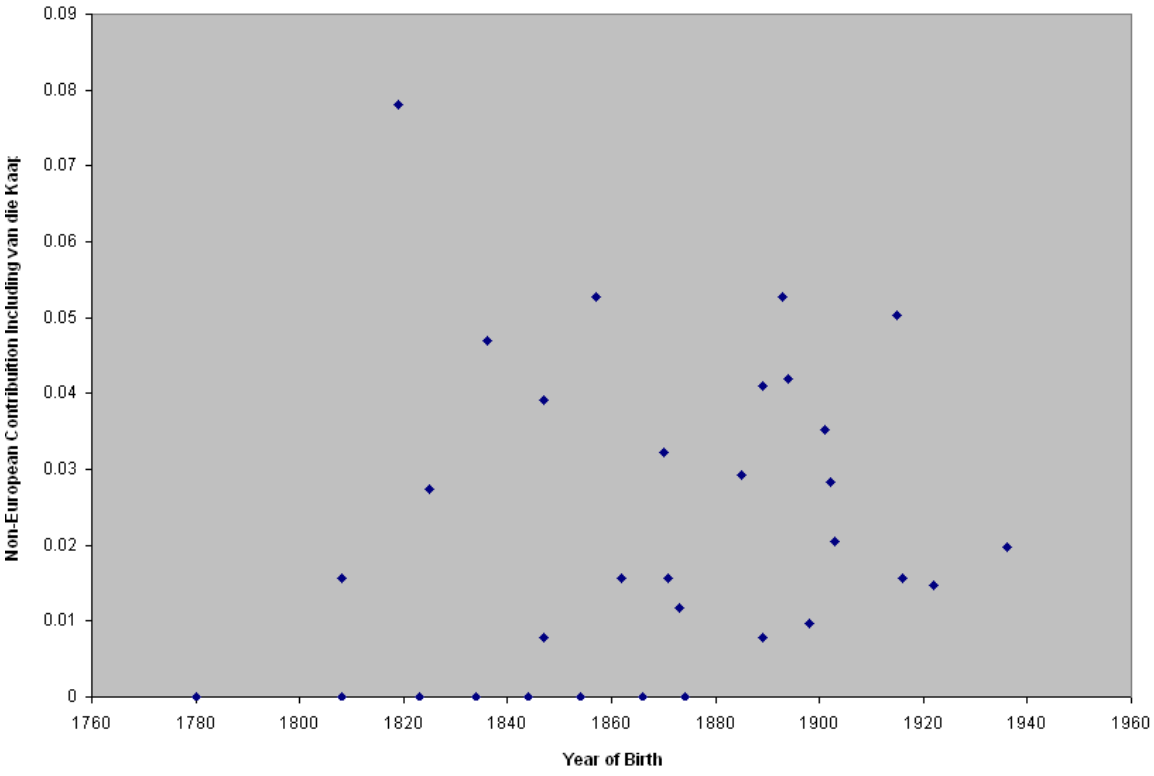

Figure 6: The Non-European contribution against year of birth.

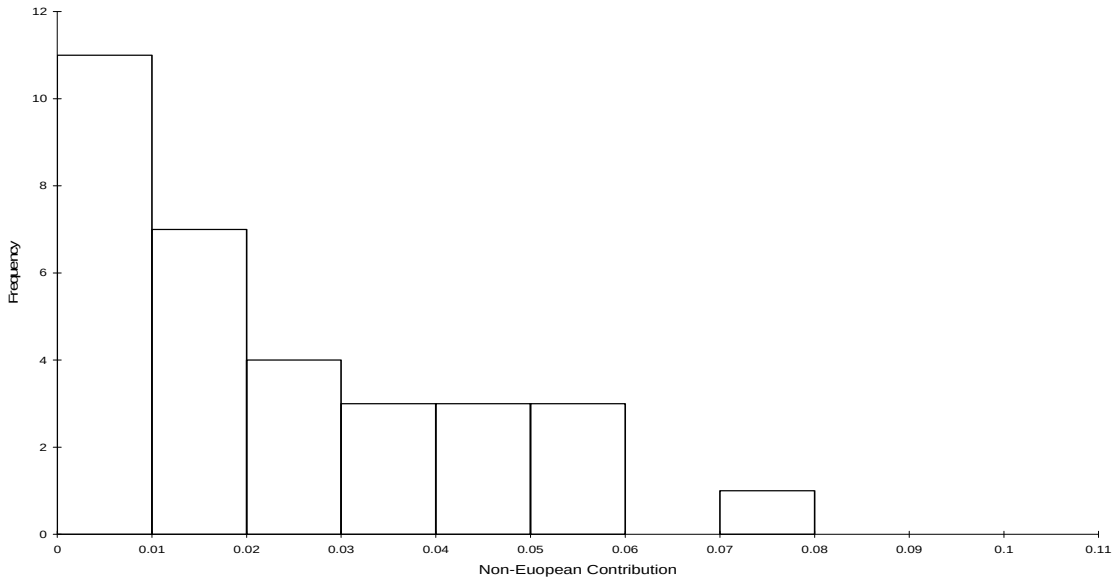

Figure 7: Histogram of non-European contribution to target individuals.

The non-European contribution to the target individuals was lower than expected, with an average of 0.022179, adjusted by taking unknown ancestry into account to 0.023429 with a standard deviation of 0.020211. Some individuals had none at all, though most individuals did have some non-European ancestry (Figure 6 and Figure 7).

Table 4 also gives the results of the analysis on the contribution from each nationality to each target individual. There seems to be a lot of variation between individuals. However, for most individuals, the predictions of previous studies that there is roughly a third of each of Dutch, French and German ancestry with small amounts of other contributions seems reasonably accurate with contributions of 0.314423, 0.326256 and 0.234566 from each of those nationalities respectively. The average contribution from each nationality as well as the standard deviations is shown below (Table 3). The exceptions seem to be

those with very high levels of French ancestry. The diversity in French ancestry is demonstrated (Figure 9).

Inbreeding Coefficient

The inbreeding coefficients also showed a lot of variation, from zero to relatively high. The average was 0.005102 with a standard deviation of 0.009051. The histogram of path lengths demonstrated that almost none of the paths would be detectable in typical inbreeding studies (Figure 8).

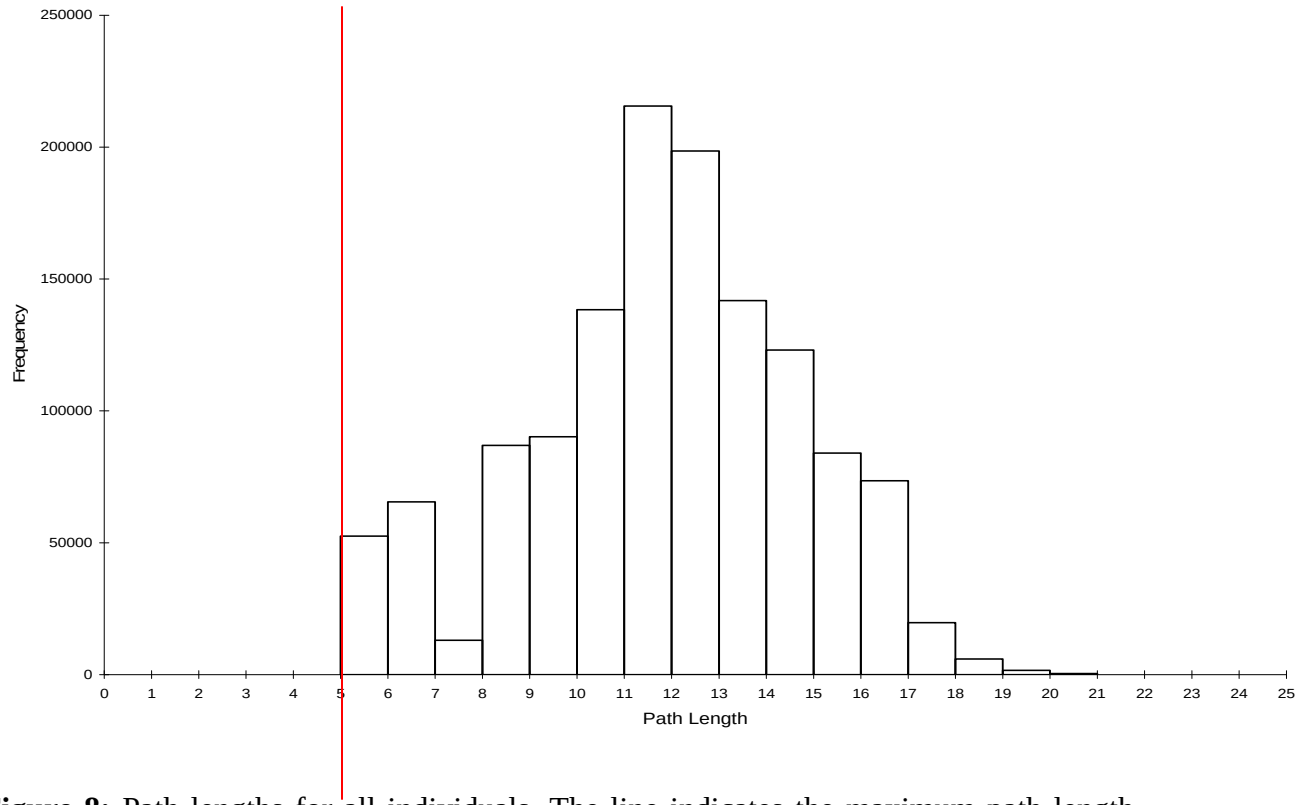

Figure 8: Path lengths for all individuals. The line indicates the maximum path length detectable using shallow pedigrees.

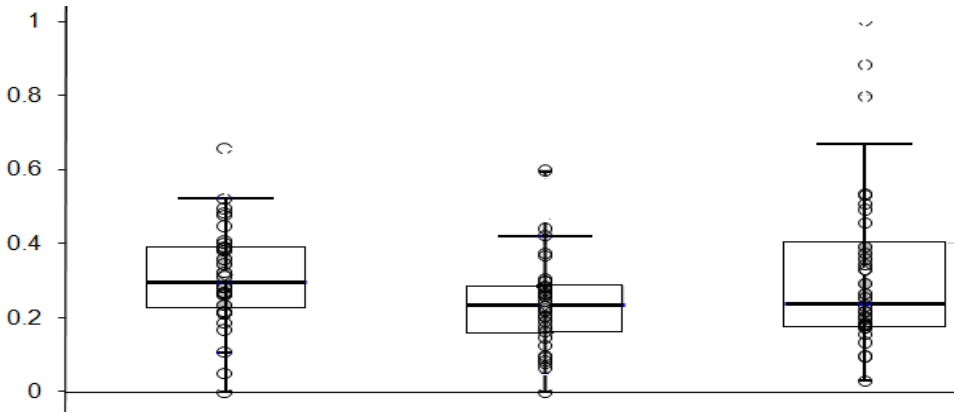

Figure 9: Box and whiskers plot of the three main contributions. From left to right: Dutch, German and French.

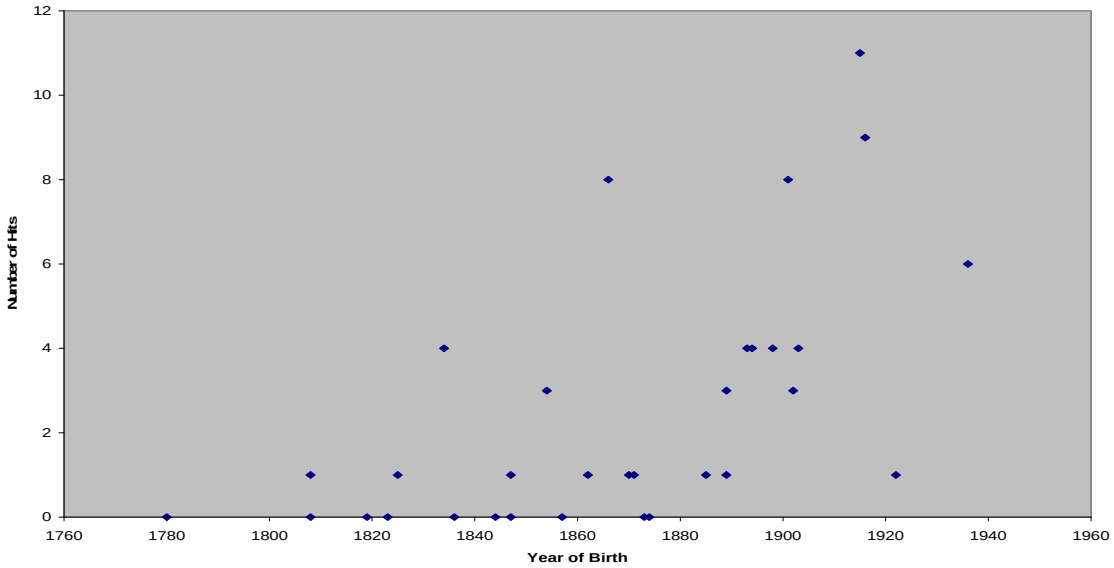

Figure 10: Number of times related to van der Merwe over time.

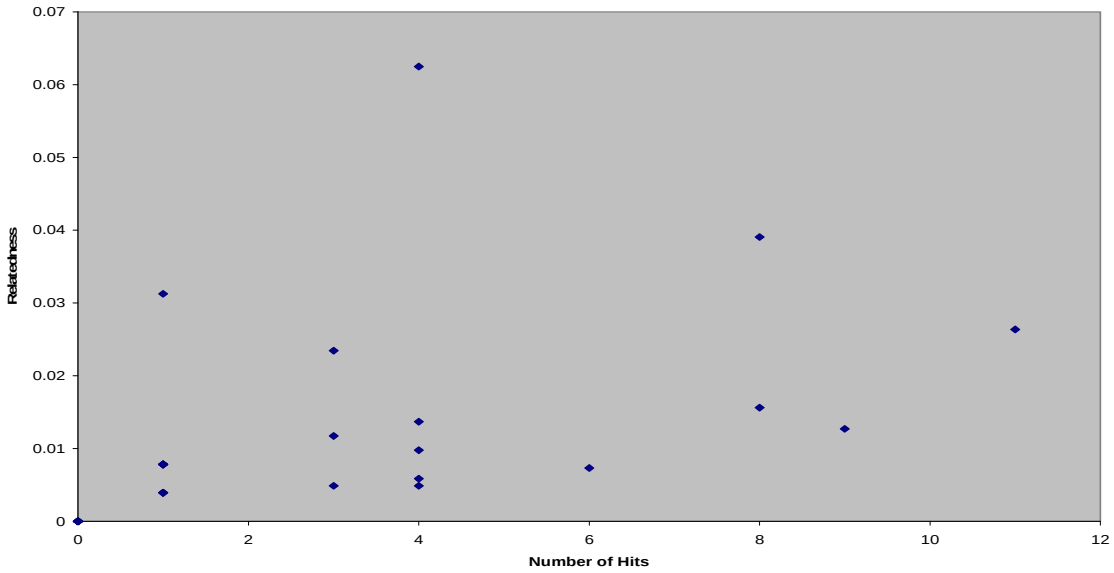

Figure 11: Relatedness to van der Merwe against number of times an individual is related to van de Merwe.

Discussion:

Variation in Results

It should be noted that there is variation in the results suggesting that there is a lot of variation in ancestry among the Afrikaner population. However, the target individuals were born over a long period of time. Therefore, the lack of homogeny could be caused by the influence of the earlier, less admixed individuals. This is supported by the decrease in the distance from and therefore, variation around the prediction by de Bruyn (1976). Therefore, there is no "typical" Afrikaner in terms of ancestry when one looks at the entire history of the population, but there is far more homogeny in the later generations.

As such, the Afrikaner population was not homogenized for their early history as the different members of the population had vastly different genetic backgrounds, though the population appears to be approaching homogeneity. As such, the Afrikaner population was not particularly homogenized at first, with considerable variety in both inbreeding coefficients and contribution from various nationalities, though this changed with time. The Great Trek was probably a largely homogenising influence. The relationship between inbreeding and admixture was negative, but was not significant. Even if it was significant, the seemingly paradoxical observation of Afrikaners being both admixed and inbred is explained by the lack of homogeneity in the early population. Inbreeding tended to be less common among those with higher contributions from non-Europeans as was expected. This is confirmed to not merely be due to bias from a large contribution from a single nationality as the correlation for the German and Dutch contributions were not significant and negative. This vindicates the findings of Nurse et al. (1985) as different Afrikaner individuals had different inbreeding coefficients and levels of admixture for their early history. The homogenization process has progressed though as later individuals have had contributions more closely matching the predictions of de Bruyn (1976) with JBM Hertzog being the closest with a distance of only 0.039063 from the prediction and P. Retief being the furthest with a distance of 0.879532 from the prediction. This suggests that the future may provide a fully homogenous Afrikaner population where such results could be considered typical and even today there seems to be a suitable level of homogeny for the concept of a typical Afrikaner to now have meaning. The diversity increased in a similar fashion.

That said, the individuals studied here were not typical Afrikaners but those of great influence. This greater influence can lead one to expect a background in wealth and education which, under the Apartheid system was less expected for those of with non-European ancestry. This class division may have spread over multiple generations and as such, it would be unsurprising if these individuals had a lower average contribution from non-European ancestry than the general population. This may explain the lower contribution than what was expected due to this bias towards the influential.

Another noteworthy point is that the Apartheid state leaders and other target individuals did tend to have some non-European ancestry with only eight out of thirty two being exceptions (unless the van die Kaap individuals were European which is unlikely) and none of these exceptions were born after 1880, however the contributions from non-European sources were lower than expected. The exceptions also tended to have high inbreeding coefficients. The average non-European contribution was 0.022179 adjusted to 0.023429 in order to account for unknown parts of the pedigree. This is certainly ironic in light of the Apartheid system's racist policies and prohibition against admixture. Therefore, in general, most of the individuals had at least some non-European ancestry, which demonstrates the dubiousness of the Apartheid system, though the average is lower than that predicted by Heese (1971). This is true even though the Apartheid government oppressed non-Europeans, considered Europeans to be superior and outlawed admixture. Therefore the Apartheid system was usually run by individuals descended from the very people they discriminated against and prohibited the very admixture which resulted in their own existence.

It should also be noted that individuals who were known to be the result of admixture between Afrikaners and members of other ethnicities were classified as coloured and not considered Afrikaners under Apartheid law. This may have artificially lowered the apparent level of admixture between ethnicities as those whose admixture was known were excluded. The fact that this population was also prohibited from admixing with the Afrikaner population was another cause of reduced admixture in the modern Afrikaner population. Also, by classifying them as a different population, the government effectively removed the admixture known to already be present and was able to maintain the illusion of ethnic purity more effectively.

It is possible that the bias towards individuals who were less admixed (or at least, supported admixture less) may have skewed the results, though it is also probable that Heese (1971) was mistaken due to a flawed method of admixture calculation. Future studies would be required to be more certain but de Bruyn's (1976) study appears to have had closer results to this study and he used a method of admixture calculation which was more robust and therefore more accurate. This method was essentially the same used in this study and due to its robustness, we can assume that his prediction of the average was fairly accurate. Whether the differences are due to an error on Heese's part in using a less robust method or due to the bias of this particular sample towards those who were more discriminatory could only truly be determined by future studies.

French Influence

The severe bias in French contribution among those with high inbreeding factors is of interest. Of the nine individuals who have inbreeding coefficients of above 0.004 (the optimum is considered to be between 9.77×10^4 and 3.906×10^3 (Helgason *et al.*, 2008)), five were over 50% French with a sixth being above a third French. Of the twelve individuals who are more than a third French, six of them have inbreeding coefficients of above 0.004. This suggests that Greeff's (2007) suggestion that French lines tend to remain French is true and that the French population tended to mate assortatively and that this disproportionately raised their inbreeding coefficients whilst leaving little chance for admixture. Due to the assortative mating of the French, it was decided that the French contribution should be tested for a positive correlation with inbreeding coefficient. As expected, such a correlation was found. Therefore, the amount of French in an Afrikaner individual's ancestry is more predictive of inbreeding coefficient than highest contribution from a single source. For comparison, the other two major sources of founders were tested and a negative correlation with inbreeding coefficient was observed. This suggests that the French contribution accounted for more inbreeding than even the largest contribution from a single source. The positive correlation between French contribution and inbreeding coefficient also lends support to the hypothesis that the French immigrants avoided marrying people of other nationalities. The extremely high French contribution for some individuals and the fact that the higher inbreeding coefficients tend to belong to those with higher French contributions was also supportive of the hypothesis that the French individuals avoided admixture.

This possible assortative mating among the French may have resulted in the contribution to some individuals only coming from the three main sources of founders as the tendency of French ancestors to only choose other French individuals for spouses and sex partners reduced the likelihood of other, typically smaller contributions from entering the pedigree. Another partial explanation of this is that the French refugees typically included entire families which reduced the problem with a shortage of wives whereas the Dutch and German immigrants were typically single soldiers. It also suggests that what is said about Afrikaners being highly admixed yet highly inbred (Nurse *et al.*, 1985) may have been true despite the fact that inbreeding seems to prevent admixture as some individuals are admixed and some are inbred (or at least, this used to be the case). While it was expected that admixture and inbreeding were negatively correlated, the relationship was not significant. To determine if lower amounts of inbreeding resulted in a greater contribution of non-European ethnicity, the same thing was done for the non-European contribution and a negative correlation was found as expected. This shows that more inbred individuals tended to have less non-European ancestry. The ramifications of these results are that there may have been sub-populations within the Afrikaner population in the past, including a population with a more French genetic composition. Another implication is that the French founders were not well integrated into the ancestral Afrikaner population despite the policy to encourage these French individuals to become culturally Dutch. This is more evidence showing that what is assumed about a population is not necessarily true. In this case the belief that the French were absorbed by the Dutch colonists as evidenced by the assimilation of the French language (Mesthrie, 2002) while

it appears that they were segregated enough to maintain almost completely French individuals up until relatively modern times. This also suggests that the reason for Greeff's large French contribution (Greeff, 2007), is due to the clumped French contribution in the population.

These results suggest that although the prediction of previous studies that the Afrikaner population includes contribution of roughly a third each from the Dutch, German and French, the French contribution had far more diversity in level of contribution.

British Influence

The British contribution predicted by previous studies turned out to be misleading, as most individuals seem to not have any British ancestry at all with the contribution resulting from the fact that the few that do, have rather large contributions because of more recent admixture. Another possible explanation is that those individuals with more British ancestry were less likely to gain political power after the wars between the Afrikaners and the British.

Van de Merwe

It turns out that none of the individuals studied were related to Willem Schalk van der Merwe nearly as often as JM Greeff and, in fact, ten had no contribution from him at all. These were DF Malan, CJ Langenhoven, FW Reitz, JH Brand, JH de la Rey, JP

Hoffman, MT Steyn, MW Pretorius, PA Cronje and P Retief, all but three of which are more than a third French. As van der Merwe was Dutch rather than French, this is not too surprising. This may also have a lot to do with the fact that JM Greeff is from a younger generation and therefore the number of founders he is related to as well as the number of times he is related to each founder would be expected to be larger. However, the above graph demonstrates that a larger number of hits to van der Merwe is also associated with a higher relatedness. Therefore, this is not enough to explain the difference by itself. The graph showing the relationship between year of birth and number of hits to van de Merwe (Figure 10) does confirm that there is a positive correlation between a later date of birth and being related to van de Merwe more often though.

Indian Influence

Another fascinating result is the fact that most of the non-European contribution to these individuals, other than that which came from individuals known as “van die Kaap” whose ancestry is uncertain, came from Indian sources. In fact, of the individuals who had non-European ancestry, only EN Marais had no Indian ancestry and some individuals had a higher contribution from India than from van die Kaap. India was one of several sources of slaves for the early Afrikaner population and it will be interesting to determine why there is a bias towards an Indian contribution rather than other slave sources.

Less Common Sources

There are several other minor sources of ancestry with the more common sources appearing to be Guinea, Sweden, Denmark, Poland and Belgium with each of these places contributing to more than five target individuals. Overall though, there seems to be a lot of variety in sources and percentages in contribution for the various target individuals with greater variation occurring in those born earlier.

Inbreeding Coefficient

Most of the paths would not be detectable in typical inbreeding studies despite the fact that many individuals had much higher inbreeding coefficients than is considered optimal. This suggests that the recorded inbreeding coefficients of other populations may be underestimates. The variation in contributions from each nationality for each target individual as well as the variation in inbreeding coefficient is yet more evidence of the population's inhomogenous past. This study does support previous studies' denial of the belief that Afrikaners are almost completely of Dutch descent (de Bruyn 1976; Greeff 2007; Heese 1971).

The inbreeding coefficients, while variable, were, on average, higher than a typical European average such as the British average of 0.00166 in 1810 (Pattison, 2004), though, this study provides evidence that European averages may be underestimated due to previous studies underestimating the contribution of longer paths. This is shown with

the histogram, indicating that under traditional studies, none of the sampled individuals would have had their inbreeding coefficient detected despite the reasonably large inbreeding coefficient that some possessed. If one were to take the mean of the inbreeding coefficients of the target individuals, one would find a value of 0.005102. However, the great diversity in inbreeding coefficients with a standard deviation of 0.009051 suggests that one cannot truly call this a typical inbreeding coefficient of the Afrikaner population as the reduced homogeneity mentioned elsewhere means that early samples skew the results. The other problem being that as influential individuals, their families were probably not representative of the population.

Conclusion:

In conclusion, the Afrikaner population was not homogenised but highly diverse up until at least 1880, though it may have achieved homogeneity by today. Despite that diversity, most members of the population have some non-European ancestry, including all target individuals born after 1880. In addition, the population has a similar contribution from Dutch, German and French sources but the French contribution varies to such an extent that it provides most of the contribution to some individuals, supporting the hypothesis that the French mated assortatively. This is also supported by the high inbreeding coefficient among those who are predominantly French. The inbreeding coefficient, while diverse, is higher on average than the European average, yet this study casts doubt on this European average as such calculations usually use fairly shallow pedigrees. Therefore, this study also demonstrates that pedigree based studies require deep pedigrees to accurately asses inbreeding coefficient. It also demonstrates that the Afrikaner population contains both admixed and inbred individuals.

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Appendix 1: Origins of Founder Ancestors

Table A1: Origins of Founder Ancestors

ID	Name	Origin
14	VAN DER MERWE Jacobus Lukas Martinus	Inc
50	GREEFF Matthias	Ger
52	COETZEE Dirk	Net
53	VAN DER SCHULP Sara	Net
56	LATEGAN Johann Hermann	Ger
62	BURCHERDT Berndt	Ger
64	VAN DER MERWE Willem Schalk	Net
66	CLOETE Jacob	Ger
67	RADERGRÖTZ Sophia	Ger
69	KUTZER Jacob	Ger
77	RETIF Anne	Fra
81	DE SAVOYE Jacques	Fra
86	DU PONT ^ Denis	Fra
87	DE LA HAYE ^ Anne	Fra
94	VAN BILLION Bernardus	Fra
96	OOSTHUYZEN Johannes	Net
97	MAARTENS Johanna	Net
99	VAN EMMENES Albert Gerritse	Net
102	HELM Hans	Net
103	WILLEMSE Geertruy	Net
105	VAN DEN BOSCH Jan	Net
110	CELLIER Josu·	Fra
111	COUVRET Elisabeth\Isabeau	Fra
114	MARAIS Charles	Fra
115	TABOUREUX Catherine	Fra
116	DES RUELLES Daniel	Fra
117	GOUDALLE Anne	Fra
124	MARÉ Ignace	Fra
126	DELPORTE Jacques	Fra
127	VITOUT Sara	Fra
132	VAN VUREN Gerrit (Janszoon)	Net
134	JACOB Pierre	Fra
135	DE VOS Suzanne	Fra
136	VAN DER WESTHUYSEN Pieter	Net
137	WINKELHAUSEN Maria Hendriks	Ger
142	VISSER Gerrit Jansz	Net
144	VAN DYK Joost Pietersz	Net
145	VERBURGH Catharina	Net
152	SCHEEPERS Coenraad	Net
153	GYSBERTS Teuntje	Net
154	BRUÉRE Estienne	Fra
159	DES PRÉS Hercule	Fra
160	D'ATIS Cecilia	Fra
165	VAN SCHALKWYK Theunis Dirks	Net

166	HERMENSZ Jacomyntje	Net
168	VAN MARSEVEEN Pieter Jansz	Net
170	VERWEY Gysbert	Net
171	GANZEVANGER Catharina	Net
177	DE GRAVE Marie	Fra
187	VAN DER WESTHUIZEN Susanna Johanna Catharina	Inc
194	DU PLESSIS Jean Prieur	Fra
195	MENANTEAU Madeleine	Fra
200	POTGIETER Harmen Jansen	Ger
201	FREDERIKS Isabella	Net
207	LE RICHE Louis	Fra
211	FOUCHER ^ Bernard	Fra
212	BRUERE ^ Anne	Fra
216	HOLTZHAUSEN Johann Andreas	Ger
218	SOUCHAY ^ Paul	Fra
219	PAILLEVERT ^ Anne	Fra
221	FOURIE Louis	Fra
222	CORDIER Louis	Fra
223	MARTINET Françoise	Fra
239	HERBST Johann	Ger
240	SANDERS VAN DIE KAAP Lijsbeth	Gui
243	PRÉVOT Charles	Fra
245	LE FÉVRE ** David	Fra
246	BLEU ** Elisabeth	Fra
247	BOTH Friedrich	Ger
248	KICKERS Maria	Net
256	VAN STADEN Maarten	Net
257	ERNST Margaretha\Maria	Net
263	COCHET Sara	Net
264	BECKER\BEKKER Peter	Ger
266	DE CLERCQ Pieter	Net
268	FERREIRA Ignacio Leopold	Por
277	VAN DEVENTER Gerrit Jansz	Net
279	VAN ROOYEN Cornelis	Net
290	DE BRUYN Theunis	Net
292	TERREBLANQUE Estienne	Fra
293	STEVENS Joost	Net
294	GERRITS Pietertje	Net
300	MARX Dirk	Ger
305	LE ROUX Jean	Fra
311	BARNARD Johannes	Ger
313	ALBERTSZ ^ Pieter	Net
314	OTTENS ^ Marritje	Net
319	LE LONG\LONGUE Isabeau	Fra
320	MALAN Jacques	Fra
322	GARDIOL Marguerite	Fra
325	MELIUS Johann Heinrich	Ger
326	BOEIENS\BOOYENS Pieter	Net
330	AVICE Marie	Fra
342	GRILLION Marie	Fra

343	MALHERBE Gideon	Fra
346	NIEUWOUDT Isaak	Net
351	ROOS Johannes (Hans)	Ger
353	VAN DER ZEE Catharina	Net
356	HERTZOG Matthias	Ger
357	WALDHORN Ilse Katherine	Ger
358	VISSER Jan Coenraad	Net
359	GERRITS Margaretha	Net
360	DE JAGER Pieter Christiaan	Net
361	KARELSE Hermina	Inc
369	VIVIER Abraham	Fra
374	BOSHOUWER Pieter	Net
380	BEZUIDENHOUT Wynand Leenderts	Net
381	GERRITS Jannetje	Net
382	STRESOW Andreas	Ger
388	BEYERS Andries	Ger
389	VRYMAN Catharina	vdK
390	CORNELISSEN Evert	Net
391	WILLEMSE Maria	Net
402	RAATS Jasper	Net
404	JOOST\JOOSTE Franz	Ger
409	ESTERHUIZEN Christoffel	Net
420	VAN ZIJL\ZYL Willem Willemsz	Net
421	VAN LOVEREN ** Christina	Net
425	KRYNAUW Daniel	Ger
434	DU BUISSON David	Fra
439	BRIET Suzanne	Fra
441	CRONIER Pierre	Fra
444	LE ROUX Pierre	Fra
445	BOURBON Anne	Fra
447	VAN DEN BERG Johanna	Unk
455	MATTHYSE Maria	Inc
465	KLOPPER Hendrik Frederik	Net
471	SCHUHMACHER Heinrich	Ger
476	PRETORIUS Johannes	Net
477	VICTOR Johanna	Net
478	VOSLOO Johannes	Ger
487	VAN EEDEN Jan Janse	Ger
490	RAUTENBACH Georg Friedrich	Ger
498	MEYER Gerrit Heinrich	Net
501	ALBERT Susanne	Fra
503	TOL Adriana	Net
509	KOCK Johannes Jacobus	Ger
511	BIBAULT Detlef	Ger
512	LOUW Jan Pietersz	Net
513	WEIJAN Beatrice	Net
519	WEYERS Stephanus Janse	Net
520	VAN BRAKEL Adriaan Willemsz	Net
522	MORKEL Philip	Ger
524	DE SWART Guilliam	Net

533	KORFF Heinrich	Ger
537	VAN DER LINDE Gerrit	Net
539	PUTTER Dietrich	Ger
543	LÖBE Barend	Ger
544	BRANDENBURG Jacoba	Net
547	GERRITS Caspar	Net
549	SPELDENBERG Hendrik	Unk
559	SCHMIDT Erasmus	Ger
570	OBERHOLSTER Jan\Johann	Ger
578	VAN RENSBURG Claas Jansz	Net
585	VAN HEERDEN Pieter Willem	Net
595	ROUX Paul	Fra
599	MESNARD Jean	Fra
600	COURBONNE Louise	Fra
605	PINARD Jacques	Fra
612	UYS Cornelis Jansz	Net
613	MATTHYSEN Dirkje	Net
616	MÖLLER Heinrich Christoffel	Ger
617	MARQUARDT Margaretha	Ger
619	BLIGNAULT Jean	Fra
620	GROVÉ Andries	Den
624	NIEL Etienne	Fra
630	GREEFF Beatrix Elizabeth	Ger
632	KEUTER Anton	Ger
638	BODENSTEIN Caspar	Ger
643	HOLMAN(N) Johann Dietrich	Ger
651	STRYDOM Joost	Net
660	KLEM Andreas	Ger
663	FOSTER James	Eng
665	GAUKES Lucas Hondius	Net
666	WILD SCHUT Alida Johanna	Net
668	VAN DEN BURGH ** Christiaan	Net
670	MATTHYS ** Joseph	Net
672	SCHADENBERG Joachim Matthias	Ger
673	BASTIAANSZ V.D.KAAP Maria Johanna	vdK
674	BASTIAANS ** Frans	Fra
675	DE LEEUW Anna Maria	Net
676	CLEEF ** Nicolaus	Ger
678	BLOM ** Barend Pieterz	Ger
680	(VAN) ROSENDAAL Jacob Huybrechtsz	Net
681	GEENS Barbara	Net
682	WIEGMAN Matthys\Matthias	Ger
684	VERSCHUUR Hendrik Gysbertzoon	Net
685	JANSZ (VISSER) Geesje	Net
686	CRAUSE\KRAUSE Jan Jacob	Ger
688	VAN GROENENBERG Gysbert	Net
689	VAN DIE KAAP Juliana Constant	Net
692	VAN BELEN Jan Jans	Ger
696	RAS Hans	Ger
697	USBINGHS Angelina Catharina	Ger

698	CLAASEN Cornelis	Net
699	VAN MALABAR\COROMANDEL\BENGALER Catharina	Indi
700	VAN HOEVEN Jacob	Net
744	MOOLMAN Pieter	Net
752	ODENTHAL Wilhelm	Ger
754	VAN MADAGASKAR Diana	Mad
755	SWART Johannes	Net
756	COEN Margaretha Klaas-dogter	Net
757	NIEMANN Johan(n)	Ger
759	WESSELS Johannes (Jan)	Ger
763	MEINTJES Geertruyd	Net
764	ELBERTS Heinrich	Ger
765	TER MOLLEN Aletta	Ger
770	WILLEMSE Gerrit	Net
772	VON WIELLIGH Nikolaus	Ger
786	UNKNOWNSURNAMEQ Unknownwomanq	Unk
787	VAN LEEUWEN Cornelis	Net
789	DE BUIS Jean	Fra
793	ENGELBRECHT Jan	Net
795	GUILLAUMET Francois	Fra
796	CLOY Claudine	Fra
801	SENEKAL David	Fra
807	MOSTERT Jan	Net
808	NIEUWMEYER Elisabeth	Net
818	HILLEBRANDT Catharina	Net
819	CAMPHER Lorenz	Ger
823	HANEKOM Jurgen	Ger
828	VAN DER SWAAN Gerrit	Net
831	HAUMAN Adriana Christina	Inc
838	MOUTON Jacques	Fra
839	DE VILLIERS Marie	Fra
840	BEVERNAGIE Francina	Fra
841	KEYSER Paulus	Ger
856	LACOCK Jacobus	Net
858	DE KRUGER Willem	Ger
860	VAN DER NAADE Francina	vdK
863	DE VOGEL Adrianus	Net
867	DE JONGH Dirk	Net
869	HOEBERT Christiaan Lodewyk	Ger
871	KUUHL Jan Adolf	Ger
875	HEYDENRYCH Gottfried	Ger
877	ROGIERS Johannes	Net
879	VERMEULEN Jan Willemsz	Net
885	HARMENSZ HARTING Johan	Ger
891	COLYN Bastiaan	Net
893	VAN GUINEE Evert	Gui
894	VAN GUINEE Anna	Gui
895	VAN HOFF Lammert Lourens	Nor
899	BRITS Hans Jacob	Ger
904	DE BERAULT Louis	Net

905	VAN DIE KAAP Catharina	vdK
908	BOCKELBERG Johannes	Ger
914	LOMBARD Pierre	Fra
915	COUTEAU Marie	Fra
999	SNIJMAN Hans Christoffel	Ger
1000	VAN PALICATTE Catharina	Indi
1110	VAN DIE KAAP Maria LOZEE	vdK
1316	JANS ** Trijntje (Catharina)	Net
1338	TAILLEFERT Isaac	Fra
1376	VAN MALABAR Helena	Indi
1397	CAUCHETEUX\COSTEUX Isaie	Fra
1399	SMIT Jan\Johannes	Net
1550	SCHRÖDER ** Hendrik\Heinrich	Ger
1558	VAN MACAO Rosalyn	Chi
1594	DE KLERCK Susanna	Net
1705	MEINTJES Johan Heinrich	Ger
1712	VAN DIE KAAP Ansela	Net
1772	VAN BENGALE Catharina OPKLIM	Indi
1788	VAN DIE KAAP Margaretha	vdK
1801	MARTIN Anne	Net
1802	DE HAAS Guillaume	Net
1803	DURIER Maria Catharina	Fra
1804	VAN DEN BURGH Hans Carelse	Net
1805	VAN DEN BOSCH Engeltie	Inc
1806	ECKHOFF Heinrich	Ger
1807	WALTERS Ernst Friedrich	Ger
1808	VAN DIE KAAP Maria	vdK
1809	STOLZ Gottfried	Unk
1810	SLAVE NN	Unk
1811	DE MAKER Matthys\Mattheus	Unk
1812	MOUY Pierre	Fra
1813	VAN NEGAPATNAM ** Maria	Indi
1814	GABRIELS Unknkownmanw	Unk
1816	HARMENSZ Trijnttje	Inc
1867	NAUDE ** Jacob	Fra
1869	RETIF ** Francois	Fra
1883	VAN DER SCHELDE ** Maria	Net
1884	FICK ** Antonie	Ger
1888	WENDELS ** Elisabeth	Net
1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends	Ger
1893	HOEFNAGELS ** Margaretha	Ger
1908	QUINTON ** Richard John	Eng
1914	KUUN ** Johann Daniel Wilhelm	Ger
1918	PITOUT ** Charles Joseph Twyfort	Fra
1919	SLADE Elizabeth	Inc
1920	BURGESS ** Francis	Eng
1939	VION Lysbeth	vdK
1940	HUMAN(N) ** Jan	Ger
1942	BLOM ** Jan Pieter	Ger
1947	VITOUT\VYTON ** Maria	Fra

1948	NORTIER\NOURTIER ** Daniel	Fra
1949	DE CLERCQ ** Jeanne	Net
1950	GAUCHER ** Andre	Fra
1952	CONTERMAN(N) ** Jan Jacob	Ger
1967	GROBBELAAR\GROBLER ** Johan(n)	Ger
1971	VAN LOCHERENBERG ** Jan	Net
1972	DE WEGE ** Gideon	Net
2029	VORSTER\FORSTER ** Jan\Hans	Swi
2034	TOUKEN ** Sophia	Mau
2044	DAVEL\TAFEL ** Johan(n) Christia(a)n	Ger
2053	WEPENER ** Joachim Ernst	Ger
2061	MEYER ** Piere	Fra
2063	WIT ** Christoffel	Ger
2065	DE KOCK ** Servaas	Net
2075	OELOFSE ** Andries	Nor
2079	FERREYN\VERREYNE ** Thomas	Net
2082	BARENDS ** Grietjie	Net
2083	NOBEL ** Jan	Net
2084	JOOSTE ** Maria Elisabeth	Net
2085	ERASMUS ** Pieter	Net
2087	LORET ** Guillaume	Fra
2088	OTTO ** Michiel\Michael	Pol
2089	HARTOG Margaretha	Inc
2090	PIEK ** Jan\Johann Casper	Ger
2091	DE LA BATTE ** Jeanne	Fra
2092	NIEL\NEL ** Guillaume	Fra
2095	KIENS\KYNS ** Catharina	Net
2096	VISAGIE ** Pieter	Bel
2097	TERRIER ** Daniel	Fra
2098	VROOM ** Abigael	Net
2099	VAN DER HEYDE ** Jacobus	Net
2101	SIEK ** Jonann	Ger
2146	KRITZINGER ** Johan(n) Andries (Andreas)	Ger
2160	PETERS ** Barend	Ger
2164	JANSEN - Jan Dirk	Inc
2168	LOOTS ** Jan	Net
2198	CASPARY ** Christiaan Godhelp	Ger
2203	MEYER ** Willem	Ger
2204	RICHARD ** Isabeau	Fra
2205	JOUBERT ** Pierre	Fra
2208	HEYDEMAN(N)\HEYNEMAN\HIDDEMAN ** Jan\Johann Dirk	Pol
2212	ROBBERTS ** Pieter\Peter	Ger
2223	VAN GENZ ** Levina Theunis	Net
2224	VAN AARDE ** Gerrit	Net
2225	KERVEL ** Jurgen	Net
2227	KRUGER\CRUGER ** Jacob	Ger
2231	LOURENS\LORENZ ** Jan\Johann	Ger
2232	CAMPENAAR\KEMPENAAR ** Cornelia	Net
2233	VILLION ** Francois	Fra
2235	PYL ** Abraham Bastiaansz	Net

2238	HOFFMAN(N) ** Johannes	Ger
2239	LOUISZ Maria	vdK
2242	PIETERSZ ** Johanna	Net
2247	ROI ** Jean	Fra
2250	VAN GYSELEN ** Leendert Jansz	Net
2251	WILLEMSZ ** Maria	Ger
2252	DU PUY ** Jean	Net
2253	HEYNS ** Paul	Ger
2256	VILLIERS ^ Pierre	Fra
2257	SECAULT ^ Elsabeth	Fra
2258	UNKNOWNSURNAMEB ^ Unknownwomanb	Fra
2260	KNOETZEN\KNOETSE ** Cornelis	Den
2262	WYDEMAN ** Pieter Andries Christiaan	Den
2263	LYVENS ** Levina	Net
2264	VAN BOOVEN ** Jesaias	Net
2265	HORSEL\GOSZELKE\ORSELKE ** Heinrich	Unk
2266	PRINSLOO ** Adriaan Gerrits	Net
2267	CLAAS\CLAASEN ** Alida\Aeltje	Net
2272	GERRITSDOGTER Adriana	Inc
2275	RIJKS ** Aagje	Net
2276	JACOBSZ ** Claas	Net
2284	DE BEER ** Matthys Andries	Net
2287	FERDINANDUS ** Jannetje	Net
2288	APPEL ** Jurriaan Jansz	Net
2290	HARMANS ** Catharina	Net
2297	KEMP ** Nicolaas	Net
2298	ANDRIESZ Neeltje	Inc
2299	SWERISSE ** Lourens	Net
2300	UNKNOWNSURNAMET Unknownwomant	Unk
2301	SCHMIDT ** Heinrich Evert	Ger
2302	AVIENS ^ Heyletje	Net
2303	DE WIT ^ Orphanfathera	Net
2304	DU TOIT ^ Pierre	Fra
2305	ROUSELLE ^ Marie	Fra
2308	LE FEBRE ^ Pierre	Fra
2309	VAN PLUS ^ Rachel	Fra
2314	OLIVIER ^ Cornelis	Net
2315	UNKNOWNSURNAMEI ^ Unknownwomani	Net
2316	ROUSSEAU ^ Daniel	Fra
2317	RETIEF ^ Marie	Fra
2318	SEUGNET ^ Helie	Fra
2319	PELETREAUX ^Jeanne	Fra
2320	VAN DEN HEEVER ^ Unknownmanl	Ger
2321	UNKNOWNSURNAMEL ^ Unknownwomanl	Ger
2322	VAN WYK ^ Arie	Net
2323	AERTS ^ Jangten	Net
2344	LODEWYKS ** Johannes Wilhelm	Ger
2359	HEUNIS ** Hermanus	Net
2362	KOEN ** Johannes Casparus	Ger
2374	STANDER ** Hendrik\Heinrich	Ger

2380	DIETLOF(F) ** Johan Chrostoffel	Pol
2382	LAMPRECHT ** Johan Christiaan	Ger
2384	FRAPPE ** Hendrik	Net
2386	UWENS\IWENS ** Dirk	Ger
2388	CLAASEN\CLAUSZEN\CLASSZEN ** Claas\Claus\Claasz	Ger
2399	NIELEN ** Johann Christian	Ger
2409	HARDERS ** Remmerus	Ger
2417	PERSOON ** Christian Daniel	Ger
2419	KRIGE\KRIGO ** Willem Adolph	Ger
2427	VAN DER SPUY ** Melt	Net
2428	VAN DER POEL ** Pieter	Net
2429	VIANT ** Johanna	Net
2430	SIEKERMANS ** Johanna	Net
2431	VON REENEN ** Jacob	Ger
2433	FRANKE\FRANCK ** Johannes	Fra
2437	VAN NIEKERK\VAN NIEUKERK ** Cornelis Gerritsz	Net
2439	DU PLOOY\PLOEGE\PLOEG\PLUY ** Hendrik\Heinrich	Ger
2440	VISSER\S ** Geertje\Geesje Jansz	Net
2442	NIEMAND ** Catharina	Net
2443	GROENEWALD\GRUNWALD ** Christoffel\Christoph	Ger
2444	DE LANOY ** Marie	Fra
2445	HATTINGH ** Hans Hendrik\Heinrich	Ger
2448	HUGO ** Daniel	Fra
2490	STEENBERG\STEINBERG ** Jan\Johann Joost\Jost	Ger
2506	RICHMANN ** Johannes	Ger
2514	ZANK ** Sophia	Ger
2516	MYBURGH ** Lambert	Net
2517	ALBERTS ** Aaltjie	Net
2518	BASSON ** Arnoldus Willemsz	Ger
2519	VAN BENGALE Angela	Indi
2520	VAN DELFF\DEUT ** Isabella	Net
2521	MICHIELS ** Matthys	Swe
2522	WALTERS ** Samuel	Slo
2531	SWANEPOEL ** Pieter Jansz	Bel
2533	SACHS ** Joachim	Ger
2534	HOLSWIG ** Susanna	Ger
2539	MEYER ** Johann Georg	Ger
2542	VAN DER NEST ** Hendrik	Net
2546	Carstens\Karstens ** Johannes Hermanus\Hermann	Ger
2548	SLABBERT ** Floris	Net
2549	JASPERS ** Huybreghje	Net
2550	VAN HOETING ** Roelof	Net
2551	VAN AS ** Jannetjie	Net
2553	JANSEN ** Helena	Net
2554	VAN AS ** Johannes	Net
2555	UNKNOWNSURNAMEO ** Unknownwomano	Net
2558	DE WINNAAR ** Jan	Net
2562	VAN JAARSVELD ** Adriaan	Net
2566	KRIEL ** Hermanus	Ger
2576	DU PRE ** Marie Jeanne	Fra

2577	THEROND ** Jacques	Fra
2591	MARTHE ** Jeanne	Fra
2596	BEUKES ** Jan	Ger
2599	DIEDERICHS ** Jacob	Ger
2639	VAN DEN BERG ** Jacobus	Net
2640	CARTENIERS ** Jacomina	Bel
2641	HACK\HAAK ** Johann Christoffel	Net
2649	MARTENS ** Joachim Heinrich	Ger
2656	DE WET ** Jacobus	Net
2672	DE LEEUW ** Cornelis	Net
2673	VAN ECK\NECK ** Elisabeth	Net
2674	DE WAAL ** Johannes	Net
2681	DE VEY ** Abraham	Chi
2682	JACOBS ** Maria	Net
2683	BRAND ** Robbert Robberts	Nor
2684	SLABBERT ** Cornelia	Net
2685	RODA - Lysbeth Fockese	Unk
2686	NYS\DE NYS ** Jan	Ger
2688	JANSZ ** Elizabeth	Net
2690	VAN WYK Unknownmanp	Unk
2691	PIETERS -Anna	Inc
2693	HENDRIKS ** Hieronymus	Ger
2695	SCHEFFER ** Jacob	Ger
2696	ROUX Marguerite	Unk
2697	VIRET ** Etienne	Fra
2698	VAN DEN BRINK ** Warnar	Net
2700	WILLEMSZ ** Catharina	Net
2702	LIndiEQUE ** Barend	Net
2707	BOSSOU ** Willem Hendrik	Fra
2715	HARTMAN(N) ** Jan\Johan Adam	Ger
2721	VOORTMANN ** Heinrich	Ger
2722	TOLL Johanna Catharina	vdK
2723	VAN HOORN ^ Judith	Net
2725	GERBER ** Frans Anton	Fra
2728	GARDIOL ** Suzanne	Fra
2730	VAN RHEEDE VAN OUDTSHOORN ** Pieter	Net
2732	STEEN ** Sybrand	Den
2733	TAUKEN\TAUKE\TOLKEN\TOUWKEN ** Johann\Jan Heinrich\Hendrik	Ger
2734	KEL ** Catharina\Catherina	Mau
2736	UNKNOWNSURNAMEV Unknownwomanv	Unk
2748	DE VRIES ** Boudewyn Homberg	Net
2762	NICHAUS\NIEHAUS ** Christoffel Hendrik	Ger
2772	BEST Martin	Inc
2782	VAN DE BYL ** Gerhard Pieterszoon	Net
2783	VAN DEN TEMPEL ** Sophia	Net
2787	VAN AARDE ** Hendrik	Bel
2790	DE VLAMINGH ** Dignus	Net
2792	VERBEEK ** Jan	Net
2796	DREYER ** Johannes Augustus	Net
2800	PAS ** Christiaan	Den

2810	VAN BOUTON Philip	Indo
2811	VAN BOEGIES Susanna	Indo
2812	HARTOG ** Abraham	Ger
2822	DE LAAR ** Anna Maria	Net
2828	DAALDONS\DANSDONS Maria	Inc
2831	VIEDT ** Conrad Heinrich	Ger
2834	LOUBSER ** Nicolaus	Swi
2835	QUINT ** Engeltje	Net
2836	VAN ES ** Isaac	Net
2840	RADYN ** Jurgen	Ger
2842	VERDEAU ** Hercule	Fra
2845	ZAAYMAN ** Daniel	Net
2847	VAN MEERHOF ** Pieter	Den
2848	GORINGHAICONA VAN DIE KAAP Eva	vdK
2849	MEYN Christiaan	Inc
2850	MANUELS Martha	Inc
4715	TERWINKEL ** Lambert	Net
4716	RIETMOLY ** Anna	Net
4778	WIBEAUX\HIBEAUX ** Maria Catharina	Fra
4794	BEKKER ** Carel Christiaan	Ger
4795	LE GRANGE ** Pierre	Fra
4796	KOOL ** Margaretha	Net
4825	HAMMAN ** Johan Jurgen	Ger
4832	GOBRECHT ** Christian	Ger
4836	SCHMIDT ** Elizabeth	Ger
4837	VAN ECK ** Cornelis	Net
4840	MUNNINGH (MUNNIK) ** Johann Heinrich	Net
4846	HAUMANN ** Eduard Christian	Lat
4889	STEENKAMP ** Jan	Net
4890	SCHUTTE ** Christiaan Ernst	Ger
4917	VAN DER WALT ** Geele Andries	Net
4925	BUYS ** Barend	Ger
4931	DE VRIES ** Hendrik Abraham	Net
4932	BOSMAN ** Lambertus	Ger
4933	FRANSZ ** Maria	Net
4935	VAN ECK ** Adriaan	Net
4936	HAESTER ** Johanna	Net
4938	WEYERS ** Heinrich	Ger
4941	VENTER ** Hendrik	Ger
4959	DE SWARDT ** Ernst Frederik	Net
4970	CATORZIA ** Rocco	Ita
4995	SMIDT ** Marthinus Lourens	Den
5001	ENGELBRECHT ** Gerd	Ger
5002	KOPS ** Elisabeth	vdK
5003	DE JONG ** Krelis Cornelisz	Net
5013	WIESE ** Benjamin	Net
5023	BEETS Hendrik Lucas	Inc
5024	JONES Johanna Christina	Inc
5026	STOFBERG Wilhelmina Maria	Inc
5029	JOUBERT Louisa Jacoba	Inc

5047	BUISSET ** Marie	Fra
5064	ROG ** Johan Christoffel	Ger
5103	HAARHOF ** Frans	Ger
5107	MULLER ** Michael	Ger
5120	NEEFF ** Hendrik	Ger
5123	VREY ** Bernardus	Ger
5130	BESSELAME ** Elisabeth	Net
5131	LABUSCHAGNE ** Pieter	Net
5132	BACOT ** Anna Maria	Net
5135	VAN DER VYVER ** Willem	Net
5143	VAN DER WATH Judith	Inc
5144	BADENHORST ** Caspar Heinrich	Net
5147	MATTHYS Unknown	Unk
5152	MEYHUYZEN ** Godfried	Ger
5153	KOUTHOF ** Femmetje	Bel
5160	KOTZE ** Johann	Ger
5162	BOONE ** Dirk	Net
5163	VAN GAALEN ** Belletje	Net
5171	STEENTS Christina	Net
5172	JANSZ ** Steven	Net
5173	HENDRIKS Hendrika	Net
5174	KREUTZMANN ** Arnolidus	Ger
5179	SCHOEMAN ** Daniel Jo(a)chim	Ger
5184	TREGARD ** Carolus Gustav	Swe
5187	KUNE ** Hans	Ger
5188	DURAND ** Jean	Fra
5195	SCHENK ** Arend	Ger
5196	ABRAHAMSZ ** Johanna	Net
5197	DEPNER ** Johann Martin	Ger
5199	SCHMIDT ** Christian	Ger
5212	NORTIER ** Jacques	Fra
5219	DE VRIJ ** Cornelia	Net
5220	VAN TONDEREN ** Andreas Cornelisz	Net
5221	WANSENBURG ** Coenraad Christoffel	Ger
5227	CRAFFORD ** Dirk Willem	Net
5233	VLOTMAN Anna Margaretha	Inc
5235	NIEUWENHUIZEN ** Jan Jansz	Ger
5238	VAN BOMBASA Susanna	Ken
5239	GERRITS ** Gerrit	Ger
5248	KEMP ** Pieter	Bel
5249	FYNTON V D KAAP Unknown	vdK
5250	SCABALJE Unknown	Net
5279	KRUGEL ** Unknownmanl	Ger
5280	SLAKKERNEUGT ** Margaretha	Ger
5283	UNKNOWNSURNAMEP ** Unknownwomanp	Unk
5284	BECK Christoffel Sebastian	Ger
5308	BAUER ** Johann Ludwig	Ger
5312	PASMANN ** Wemmer	Ger
5322	(DE) LANGE ** Johann Heinrich	Ger
5335	OPPERMAN ** Gottlieb Christian	Pol

5337	KOSTER ** Heinrich	Ger
5341	RUTS ** Nicolaus	Ger
5347	KOEKEMOER ** Jochem	Unk
5361	VAN BREDA ** Pieter	Net
5363	SMUTS ** Michiel Cornelis	Net
5364	EENMAAL ** Cornelia	Net
5366	TAUTE ** Matthias	Ger
5367	BRUYNS\DE BRUIJN Unknownmanq	Inc
5399	MULLER ** Joseph Ludwig	Ger
5403	DE LA REY ** Pieter	Net
5418	DE PERONE ** Louis	Fra
5434	VISSER ** Anthoinette	Net
5435	HENNING ** Christoffel Hendrik	Ger
5436	UNKNOWNSURNAMER Unknownwomanr	Inc
5437	CAMPHER\KAMFER Agnita	Inc
5441	UNKNOWNSURNAMES Unknownwomans	Ger
5442	DE JONKER ** Jan Andrieson	Ger
5444	DE CLERCQ ** Marie Madeleine	Bel
5445	GERRITS ** Greetjen	Net
5446	JOURDAN ^ Pierre	Fra
5447	SNYMAN Jacomina	Inc
5454	UNKNOWNSURNAMEU Unknownmanu	Unk
5455	BEEN\BEUN ** Anna Maria	Inc
5456	UNKNOWNSURNAMEW Unknownwomanw	Net
5460	WAGENAAR ** Johann Christoph	Aus
5465	UNKNOWNSURNAMEX Unknownwomanx	Unk
5466	JORDAAN ** Wensel	vdK
5470	MINIE ** Jean Willems	Ger
5472	MARSCHALK ** Jean	Bel
5476	RABIE ** Christiaan	Ger
5499	KUCHLER ** Georg Conrad	Ger
5510	LE SUER ** Francois	Net
5511	SWELLENGREBEL Johanna Catharina	Inc
5512	SCHELLER ** Sebastian Valentyn	Ger
5514	ZIMMERMANN ** Catharina Elizabeth	Ger
5515	FISCHER ** Johann Heinrich	Ger
5517	ROVEEN ** Johanna	Net
5518	HARTZ Catharina	Ger
5519	BRAND ** Burchard	Ger
5521	BLANKENBERG ** Johannes	Ger
5522	BAUMAN Heinrich	Inc
5523	WITT Gertrude	Inc
5524	VAN ALWYK ** Maria	Net
5525	VAN DER HEYDEN ** Pieter Jurgen	Ger
5526	HEUFKE ** Johannes	Ger
5528	BOTMA ** Cornelis	Net
5537	HOFFMAN ** Johan Bernard	Ger
5538	WIUM ** Pieter	Den
5544	REITZ ** Jan Frederik	Net
5554	HURTER ** Jan Willem	Ger

5555	DENYS ** Adriaan	Net
5559	ADLEDA ** Carl Maximilian	Ger
5560	SCHEEPERS ** Maria	Net
5561	HAUK ** Jan Jurgen	Ger
5564	HEYNING ** Nicolaas	Net
5568	VAN MAARSEN ** Catharina	Net
5569	CRUYWAGEN ** Jan	Net
5570	UNKNOWNSURNAMEY ** Unknownwomany	Net
5571	VAN ES Aletta	Inc
5572	VERMEY ** Stephan	Net
5599	DE JAGER ** Jacobus	Net
5618	STRANG ** Carel	Swe
5619	SWART ** Anna Maria	Swe
5630	MYBURG Martha Margaretha Magdalena	Inc
5643	DE BRUYN Jacob Daniel Theunis	Inc
5644	HUMAN Christina Maria	Inc
5645	DE JAGER Carel Pieter	Inc
5646	DE JAGER Gezina Catharina	Inc
5653	GEYSER ** Hendrik	Ger
5655	WOLMARANS ** Joseph	Ger
5658	LOEFKE Susanna	Inc
5683	KOOPMAN ** Bartholomeus Jansz	Net
5684	VAN DER BOUT ** Engeltje Cornelisse	Net
5693	KRIEK ** Johann Christian	Ger
5694	RADEMEYER ** Cunradus Jacobus	Ger
5700	FAGAN ** Henry Allan	Ire
5701	DANIELS ** Mary	Wal
5706	VAN DER KLOFF ** Adriaan	Net
5707	KEOGH ** Fanny	Ire
5708	BODEKER ** Peter Michael	Ger
5709	UNKNOWNSURNAMEZ ** Unknownwomanz	Unk
5711	WILDEMAN ** Albert	Net
5712	SCHRADER Johannes	Unk
5713	VAN DIE KAAP Dorothea	vdK
5721	LANGENHOVEN ** Pieter Wilhelmus	Fra
5729	LOTZ ** Johan Willem	Ger
5733	THUYN ** Cornelis Jacobsz	Net
5738	HOOG ** Claas	Net
5740	VAN KOPPEN ** Ijsbrand	Net
5759	SCHOOMBIE ** Andries Godlieb	Den
5769	BRUMMER ** Johann Wichard	Ger
5784	STRIEGEL ** Conraad	Ger
5806	BOOYSEN ** Boy	Ger
5807	VAN NES ** Hermina	Net
5809	UNKNOWNSURNAMEA Unknownmana	Unk
5834	VAN ROOY ** Johannes Cornelis	Net
5835	HOLSTERS ** Anna Francina Francoise	Bel
5854	DE KLERK Susanna Maria	Inc
5858	PRETORIUS Catharina Geertruyda	Inc
5879	COMBRINK ** Herman	Ger

5881	CLAAS Armozyn	vdK
5882	LEY ** Michael	Ger
5894	PAL ** Helmer	Ger
5895	NORDEN Jacoba	Inc
5922	VALK ** Catharina	Net
5923	BUITENDACH ** Carl Dietrich	Fra
5930	PELTZER ** Abraham	Ger
5940	DU PLOOY ** Simon	Net
5941	KOOPMAN Catharina	Net
5964	PILJE ** Nicolaas	Net
5967	STOFBERG Johanna Maria BarIndiina	Inc
5968	MARITZ Phillipus Rudolf	Inc
5969	KRUGER Gerda Jacoba Aletta	Nam
5983	DU VINAGE **Jean	Ger
5984	MALFRUJON **Catherine	Ger
5985	HASSE **Johann	Ger

Inc means that parents are unknown, but they were not immigrants, Net means Dutch, Ger means German, Fra means French, Nam means Namibian, Gui means Guinean, Por means Portuguesse, vdK means van die Kaap, Unk means from unknown origins, Den means Danish, Eng means English, Indi means Indian, Mad means Madagaskan, Nor means Norwegian, Chi means Chinese, Swi means Swiss, Mau means Mauritian, Pol means Polish, Bel means Belgian, Swe means Swedish, Slo means Slovakian, Indo means Indonesian, Lat means Latvian, Ita means Italian, Ken means Kenyan, Aus means Austrian, Ire means Irish and Wal means Welsh

Appendix 2: Deconstruct Outputs

Table A2: Deconstruct Output of P. Retief. Born 1780

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.0625	2	5	116	DES RUELLES Daniel
0.03125	1	5	2304	DU TOIT ^ Pierre
0.0625	1	4	322	GARDIOL Marguerite
0.0625	2	5	117	GOUDALLE Anne
0.0625	1	4	2205	JOUBERT ** Pierre
0.0625	2	5	114	MARAIS Charles
0.0625	1	4	1812	MOUY Pierre
0.03125	1	5	2319	PELETREAUX ^Jeanne
0.03125	1	5	2317	RETIEF ^ Marie
0.125	1	3	1869	RETIF ** Francois
0.0625	1	4	77	RETIF Anne
0.0625	1	4	2204	RICHARD ** Isabeau
0.03125	1	5	2305	ROUSELLE ^ Marie
0.03125	1	5	2316	ROUSSEAU ^ Daniel
0.03125	1	5	2257	SECAULT ^ Elsabeth
0.03125	1	5	2318	SEUGNET ^ Helie
0.0625	2	5	115	TABOUREUX Catherine
0.0625	1	4	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.03125	1	5	2256	VILLIERS ^ Pierre

Table A3: Deconstruct Output of J. N. Boshoff. Born 1808

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.125	1	3	2707	BOSSOU ** Willem Hendrik
0.015625	1	6	66	CLOETE Jacob
0.007813	1	7	222	CORDIER Louis
0.007813	1	7	5442	DE JONKER ** Jan Andrieson
0.015625	1	6	116	DES RUELLES Daniel
0.03125	2	6	2304	DU TOIT ^ Pierre
0.03125	1	5	322	GARDIOL Marguerite
0.003906	1	8	294	GERRITS Pietertje
0.015625	1	6	117	GOUDALLE Anne
0.007813	1	7	342	GRILLION Marie
0.015625	1	6	2715	HARTMAN(N) ** Jan\Johan Adam
0.003906	1	8	2534	HOLSWIG ** Susanna
0.015625	1	6	2688	JANSZ ** Elizabeth
0.03125	1	5	2205	JOUBERT ** Pierre
0.007813	1	7	343	MALHERBE Gideon
0.015625	1	6	114	MARAIS Charles
0.03125	1	5	617	MARQUARDT Margaretha
0.007813	1	7	223	MARTINET Françoise
0.03125	1	5	616	MÖLLER Heinrich Christoffel
0.03125	2	6	2319	PELETREAUX ^Jeanne
0.015625	1	6	67	RADERGRÖTZ Sophia
0.001953	1	9	696	RAS Hans
0.009766	2	8	2317	RETIEF ^ Marie
0.03125	1	5	2204	RICHARD ** Isabeau
0.125	1	3	5064	ROG ** Johan Christoffel
0.03125	2	6	2305	ROUSELLE ^ Marie
0.009766	2	8	2316	ROUSSEAU ^ Daniel
0.003906	1	8	2533	SACHS ** Joachim
0.001953	1	9	5250	SCABALJE Unknown
0.003906	1	8	1550	SCHRÖDER ** Hendrik\Heinrich
0.015625	1	6	2257	SECAULT ^ Elsabeth
0.03125	2	6	2318	SEUGNET ^ Helie
0.003906	1	8	293	STEVENS Joost
0.003906	1	8	651	STRYDOM Joost
0.007813	1	7	2531	SWANEPOEL ** Pieter Jansz
0.015625	1	6	115	TABOUREUX Catherine
0.015625	1	6	2722	TOLL Johanna Catharina
				UNKNOWNSURNAMES
0.007813	1	7	5441	Unknownwomans
0.001953	1	9	697	USBINGHS Angelina Catharina
0.03125	1	5	64	VAN DER MERWE Willem Schalk
0.019531	2	7	487	VAN EEDEN Jan Janse
0.0625	1	4	585	VAN HEERDEN Pieter Willem
0.001953	1	9	2723	VAN HOORN ^ Judith
0.03125	1	5	421	VAN LOVEREN ** Christina
0.03125	1	5	420	VAN ZIJL\ZYL Willem Willemsz
0.015625	1	6	2256	VILLIERS ^ Pierre
0.015625	1	6	2721	VOORTMANN ** Heinrich

Table A4: Deconstruct Output of J. P. Hoffman. Born 1808

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.09375	2	4.5	1802	DE HAAS Guillaume
0.0625	1	4	2065	DE KOCK ** Servaas
0.09375	2	4.5	1803	DURIER Maria Catharina
0.125	1	3	5537	HOFFMAN ** Johan Bernard
0.09375	2	4.5	319	LE LONG\LONGUE Isabeau
0.0625	1	4	305	LE ROUX Jean
0.03125	1	5	2263	LYVENS ** Levina
0.09375	2	4.5	320	MALAN Jacques
0.03125	1	5	2264	VAN BOOVEN ** Jesaias
0.09375	2	4.5	2842	VERDEAU ** Hercule
0.09375	2	4.5	4778	WIBEAUX\HIBEAUX ** Maria Catharina
0.125	1	3	5538	WIUM ** Pieter

Table A5: Deconstruct Output of M. W. Pretorius. Born 1819

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.03125	1	5	380	BEZUIDENHOUT Wynand Leenderts
0.03125	1	5	374	BOSHOUWER Pieter
0.03125	1	5	2683	BRAND ** Robbert Robberts
0.03125	2	6	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.0625	1	4	2065	DE KOCK ** Servaas
0.03125	1	5	2091	DE LA BATTE ** Jeanne
0.007813	1	7	87	DE LA HAYE ^ Anne
0.015625	1	6	81	DE SAVOYE Jacques
0.03125	1	5	2681	DE VEY ** Abraham
0.007813	1	7	86	DU PONT ^ Denis
0.03125	1	5	5188	DURAND ** Jean
0.015625	1	6	1814	GABRIELS Unknkownmanw
0.03125	1	5	381	GERRITS Jannetje
0.03125	1	5	294	GERRITS Pietertje
0.03125	1	5	2089	HARTOG Margaretha
0.007813	1	7	102	HELM Hans
0.03125	1	5	2682	JACOBS ** Maria
0.03125	1	5	2263	LYVENS ** Levina
0.03125	1	5	2092	NIEL\NEL ** Guillaume
0.03125	1	5	2088	OTTO ** Michiel\Michael
0.03125	1	5	2090	PIEK ** Jan\Johann Casper
0.03125	1	5	476	PRETORIUS Johannes
0.015625	1	6	2101	SIEK ** Jonann
0.03125	1	5	2684	SLABBERT ** Cornelia
0.03125	1	5	293	STEVENS Joost
0.03125	1	5	2264	VAN BOOVEN ** Jesaias
0.015625	1	6	421	VAN LOVEREN ** Christina
0.03125	1	5	1376	VAN MALABAR Helena
0.015625	1	6	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.015625	1	6	420	VAN ZIJL\ZYL Willem Willemsz
0.03125	1	5	4941	VENTER ** Hendrik
0.03125	1	5	477	VICTOR Johanna
0.03125	2	6	2233	VILLION ** Francois
0.03125	1	5	478	VOSLOO Johannes
0.007813	1	7	103	WILLEMSE Geertruy
0.0625	1	4	2063	WIT ** Christoffel

Table A6: Deconstruct Output of J. H. Brand. Born 1823

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	6	5522	BAUMAN Heinrich
0.03125	1	5	5521	BLANKENBERG ** Johannes
0.015625	1	6	5528	BOTMA ** Cornelis
0.03125	1	5	5519	BRAND ** Burchard
0.0625	1	4	5515	FISCHER ** Johann Heinrich
0.03125	1	5	2433	FRANKE\FRANCK ** Johannes
0.007813	1	7	171	GANZEVANGER Catharina
0.015625	1	6	381	GERRITS Jannetje
0.03125	1	5	5518	HARTZ Catharina
0.03125	1	5	5526	HEUFKE ** Johannes
0.25	1	2	5499	KUCHLER ** Georg Conrad
0.0625	1	4	5510	LE SUER ** Francois
0.015625	1	6	4716	RIETMOLY ** Anna
0.0625	1	4	5517	ROVEEN ** Johanna
0.0625	1	4	5512	SCHELLER ** Sebastian Valentyn
0.0625	1	4	5511	SWELLENGREBEL Johanna Catharina
0.015625	1	6	4715	TERWINKEL ** Lambert
0.03125	1	5	5524	VAN ALWYK ** Maria
0.015625	1	6	2782	VAN DE BYL ** Gerhard Pieterszoon
0.015625	1	6	2783	VAN DEN TEMPEL ** Sophia
0.03125	1	5	5525	VAN DER HEYDEN ** Pieter Jurgen
0.007813	1	7	170	VERWEY Gysbert
0.015625	1	6	2440	VISSER\S ** Geertje\Geesje Jansz
0.015625	1	6	5523	WITT Gertrude
0.0625	1	4	5514	ZIMMERMANN ** Catharina Elizabeth

Table A7: Deconstruct Output of S. J. P. Kruger. Born 1825

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2323	AERTS ^ Jangten
0.003906	1	8	2517	ALBERTS ** Aaltjie
0.007813	1	7	2298	ANDRIESZ Neeltje
0.003906	1	8	246	BLEU ** Elisabeth
0.007813	1	7	4932	BOSMAN ** Lambertus
0.039063	3	6.333333	247	BOTH Friedrich
0.0625	2	5	4925	BUYS ** Barend
0.015625	2	7	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.007813	1	7	819	CAMPHER Lorenz
0.015625	1	6	5437	CAMPHER\KAMFER Agnita
0.03125	2	6	2640	CARTENIERS ** Jacomina
0.007813	2	8	66	CLOETE Jacob
0.003906	1	8	160	D'ATIS Cecilia
0.015625	1	6	2091	DE LA BATTE ** Jeanne
0.001953	1	9	87	DE LA HAYE ^ Anne
0.007813	1	7	2822	DE LAAR ** Anna Maria
0.003906	1	8	81	DE SAVOYE Jacques
0.015625	1	6	4931	DE VRIES ** Hendrik Abraham

0.003906	1	8	159	DES PRÉS Hercule
0.001953	1	9	86	DU PONT ^ Denis
0.007813	1	7	1806	ECKHOFF Heinrich
0.007813	1	7	257	ERNST Margaretha\Maria
0.007813	1	7	4933	FRANSZ ** Maria
0.046875	3	6	201	FREDERIKS Isabella
0.003906	1	8	1814	GABRIELS Unknkownmanw
0.007813	1	7	2728	GARDIOL ** Suzanne
0.015625	1	6	547	GERRITS Caspar
0.007813	1	7	359	GERRITS Margaretha
0.003906	1	8	2848	GORINGHAICONA VAN DIE KAAP Eva
0.015625	1	6	4936	HAESTER ** Johanna
0.007813	1	7	2290	HARMANS ** Catharina
0.015625	1	6	1816	HARMENSZ Trijnttje
0.007813	1	7	818	HILLEBRANDT Catharina
0.007813	1	7	2549	JASPERS ** Huybreghje
0.015625	1	6	2297	KEMP ** Nicolaas
0.015625	1	6	2225	KERVEL ** Jurgen
0.039063	3	6.333333	248	KICKERS Maria
0.03125	1	5	2227	KRUGER\CRUGER ** Jacob
0.003906	1	8	245	LE FÉVRE ** David
0.003906	1	8	2516	MYBURGH ** Lambert
0.015625	1	6	2092	NIEL\NEL ** Guillaume
0.046875	3	6	200	POTGIETER Harmen Jansen
0.015625	1	6	539	PUTTER Dietrich
0.007813	2	8	67	RADERGRÖTZ Sophia
0.003906	1	8	2257	SECAULT ^ Elsabeth
0.007813	1	7	2548	SLABBERT ** Floris
0.003906	1	8	999	SNIJMAN Hans Christoffel
0.007813	1	7	549	SPELDENBERG Hendrik
0.03125	1	5	4889	STEENKAMP ** Jan
0.007813	1	7	2299	SWERISSE ** Lourens
0.015625	1	6	5454	UNKNOWNSURNAMEU Unknownmanu
0.015625	1	6	2224	VAN AARDE ** Gerrit
0.03125	2	6	2639	VAN DEN BERG ** Jacobus
0.007813	1	7	64	VAN DER MERWE Willem Schalk
0.015625	1	6	828	VAN DER SWAAN Gerrit
0.0625	1	4	4917	VAN DER WALT ** Geele Andries
0.007813	1	7	1712	VAN DIE KAAP Ansela
0.015625	1	6	1110	VAN DIE KAAP Maria LOZEE
0.015625	1	6	4935	VAN ECK ** Adriaan
0.015625	1	6	2223	VAN GENZ ** Levina Theunis
0.003906	1	8	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.003906	1	8	2847	VAN MEERHOF ** Pieter
0.003906	1	8	1000	VAN PALICATTE Catharina
0.007813	1	7	256	VAN STADEN Maarten
0.003906	1	8	2322	VAN WYK ^ Arie
0.015625	1	6	4941	VENTER ** Hendrik
0.003906	1	8	2256	VILLIERS ^ Pierre

0.015625	2	7	2233	VILLION ** Francois
0.007813	1	7	358	VISSER Jan Coenraad
0.007813	1	7	369	VIVIER Abraham
0.03125	1	5	4938	WEYERS ** Heinrich
0.007813	1	7	2845	ZAAYMAN ** Daniel

Table A8: Deconstruct Output of T. F. Burger. Born 1834

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	6	674	BASTIAANS ** Frans
0.03125	1	5	264	BECKER\BEKKER Peter
0.015625	2	7	246	BLEU ** Elisabeth
0.03125	1	5	619	BLIGNAULT Jean
0.0625	1	4	544	BRANDENBURG Jacoba
0.0625	2	5	62	BURCHERDT Berndt
0.03125	4	7	66	CLOETE Jacob
0.015625	1	6	263	COCHET Sara
0.015625	1	6	266	DE CLERCQ Pieter
0.015625	1	6	675	DE LEEUW Anna Maria
0.015625	1	6	194	DU PLESSIS Jean Prieur
0.046875	2	5.5	2576	DU PRE ** Marie Jeanne
0.007813	1	7	2304	DU TOIT ^ Pierre
0.0625	1	4	5983	DU VINAGE **Jean
0.0625	1	4	5985	HASSE **Johann
0.015625	2	7	245	LE FÉVRE ** David
0.0625	1	4	543	LÖBE Barend
0.0625	1	4	5984	MALFRUJON **Catherine
0.03125	1	5	1705	MEINTJES Johan Heinrich
0.015625	1	6	195	MENANTEAU Madeleine
0.007813	1	7	2319	PELETREAUX ^Jeanne
0.03125	2	6	243	PRÉVOT Charles
0.03125	4	7	67	RADERGRÖTZ Sophia
0.015625	2	7	2317	RETIEF ^ Marie
0.03125	2	6	77	RETIF Anne
0.007813	1	7	2305	ROUSELLE ^ Marie
0.015625	2	7	2316	ROUSSEAU ^ Daniel
0.007813	1	7	2318	SEUGNET ^ Helie
0.03125	1	5	1399	SMIT Jan\Johannes
0.046875	2	5.5	2577	THEROND ** Jacques
0.03125	1	5	503	TOL Adriana
0.0625	4	6	64	VAN DER MERWE Willem Schalk

Table A9: Deconstruct Output of P. A. Cronje. Born 1836

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.007813	1	7	2302	AVIENS ^ Heyletje
0.015625	1	6	1942	BLOM ** Jan Pieter
0.015625	1	6	445	BOURBON Anne
0.015625	1	6	439	BRIET Suzanne
0.015625	1	6	899	BRITS Hans Jacob

0.015625	3	7.666667	698	CLAASEN Cornelis
0.015625	1	6	756	COEN Margaretha Klaas-dogter
0.03125	1	5	441	CRONIER Pierre
0.039063	3	6.333333	177	DE GRAVE Marie
0.015625	2	7	1802	DE HAAS Guillaume
0.03125	1	5	5599	DE JAGER ** Jacobus
0.03125	1	5	360	DE JAGER Pieter Christiaan
0.015625	1	6	839	DE VILLIERS Marie
0.007813	1	7	2303	DE WIT ^ Orphanfathera
0.015625	2	7	1803	DURIER Maria Catharina
0.03125	1	5	268	FERREIRA Ignacio Leopold
0.015625	1	6	201	FREDERIKS Isabella
0.003906	1	8	5445	GERRITS ** Greetjen
0.003906	1	8	359	GERRITS Margaretha
0.015625	1	6	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.03125	1	5	5103	HAARHOF ** Frans
0.007813	1	7	102	HELM Hans
0.015625	1	6	239	HERBST Johann
0.015625	1	6	1893	HOEFNAGELS ** Margaretha
0.015625	1	6	1940	HUMAN(N) ** Jan
0.03125	1	5	361	KARELSE Hermina
0.03125	2	6	5248	KEMP ** Pieter
0.019531	3	7.333333	2308	LE FEBRE ^ Pierre
0.03125	2	6	305	LE ROUX Jean
0.015625	1	6	444	LE ROUX Pierre
0.007813	1	7	2231	LOURENS\LORENZ ** Jan\Johann
0.003906	1	8	2521	MICHIELS ** Matthys
0.015625	1	6	838	MOUTON Jacques
0.015625	1	6	1812	MOUY Pierre
0.015625	1	6	757	NIEMANN Johan(n)
0.03125	1	5	5212	NORTIER ** Jacques
0.015625	1	6	1948	NORTIER\NOURTIER ** Daniel
0.003906	1	8	2314	OLIVIER ^ Cornelis
0.015625	1	6	200	POTGIETER Harmen Jansen
0.007813	1	7	539	PUTTER Dietrich
0.007813	1	7	696	RAS Hans
0.03125	1	5	2247	ROI ** Jean
0.015625	1	6	240	SANDERS VAN DIE KAAP Lijsbeth
0.015625	1	6	2101	SIEK ** Jonann
0.015625	1	6	651	STRYDOM Joost
0.015625	1	6	755	SWART Johannes
0.015625	1	6	1338	TAILLEFERT Isaac
0.015625	1	6	292	TERREBLANQUE Estienne
0.015625	1	6	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.003906	1	8	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.007813	1	7	697	USBINGHS Angelina Catharina
0.003906	1	8	2520	VAN DELFF\DEUT ** Isabella
0.015625	1	6	277	VAN DEVENTER Gerrit Jansz
0.015625	3	7.666667	699	VAN

				MALABAR\COROMANDEL\BENGALER Catharina
0.019531	3	7.333333	2309	VAN PLUS ^ Rachel
0.015625	1	6	1939	VION Lysbeth
0.007813	2	8	358	VISSER Jan Coenraad
0.015625	1	6	1947	VITOUT\VYTON ** Maria
0.007813	1	7	103	WILLEMSE Geertruy
0.03125	3	6.666667	770	WILLEMSE Gerrit

Table A10: Deconstruct Output of F. W. Reitz. Born 1844

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.0625	1	4	5559	ADLEDA ** Carl Maximilian
0.007813	1	7	501	ALBERT Susanne
0.007813	1	7	1397	CAUCHETEUX\COSTEUX Isaie
0.007813	1	7	5569	CRUYWAGEN ** Jan
0.015625	1	6	5444	DE CLERCQ ** Marie Madeleine
0.015625	1	6	81	DE SAVOYE Jacques
0.0625	1	4	5555	DENYS ** Adriaan
0.03125	1	5	2433	FRANKE\FRANCK ** Johannes
0.007813	1	7	171	GANZEVANGER Catharina
0.03125	1	5	5561	HAUK ** Jan Jurgen
0.03125	1	5	5564	HEYNING ** Nicolaas
0.0625	1	4	5554	HURTER ** Jan Willem
0.03125	1	5	2061	MEYER ** Piere
0.015625	1	6	498	MEYER Gerrit Heinrich
0.015625	1	6	2686	NYS\DE NYS ** Jan
0.25	1	2	5544	REITZ ** Jan Frederik
0.015625	1	6	2685	RODA - Lysbeth Fockese
0.0625	1	4	5560	SCHEEPERS ** Maria
0.03125	1	5	2430	SIEKERMANS ** Johanna
0.007813	1	7	5570	UNKNOWNSURNAMEY ** Unknownwomany
0.03125	1	5	2428	VAN DER POEL ** Pieter
0.0625	1	4	2427	VAN DER SPUY ** Melt
0.015625	1	6	5571	VAN ES Aletta
0.015625	1	6	5568	VAN MAARSEN ** Catharina
0.015625	1	6	5572	VERMEY ** Stephan
0.007813	1	7	170	VERWEY Gysbert
0.03125	1	5	2429	VIANT ** Johanna
0.015625	1	6	2440	VISSER\S ** Geertje\Geesje Jansz
0.03125	1	5	2431	VON REENEN ** Jacob

Table A11: Deconstruct Output of J. H. de la Rey. Born 1847

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	6	2302	AVIENS ^ Heyletje
0.007813	1	7	246	BLEU ** Elisabeth
0.03125	2	6	247	BOTH Friedrich
0.007813	1	7	698	CLAASEN Cornelis
0.007813	1	7	222	CORDIER Louis
0.015625	1	6	160	D'ATIS Cecilia
0.015625	1	6	789	DE BUIS Jean
0.03125	2	6	177	DE GRAVE Marie
0.015625	1	6	2091	DE LA BATTE ** Jeanne
0.25	1	2	5403	DE LA REY ** Pieter
0.007813	1	7	135	DE VOS Suzanne
0.015625	1	6	2303	DE WIT ^ Orphanfathera
0.015625	1	6	159	DES PRÉS Hercule
0.0625	1	4	268	FERREIRA Ignacio Leopold
0.015625	1	6	221	FOURIE Louis
0.015625	1	6	201	FREDERIKS Isabella
0.015625	1	6	239	HERBST Johann
0.015625	1	6	2238	HOFFMAN(N) ** Johannes
0.007813	1	7	134	JACOB Pierre
0.03125	2	6	248	KICKERS Maria
0.015625	2	7	2308	LE FEBRE ^ Pierre
0.007813	1	7	245	LE FÉVRE ** David
0.015625	1	6	2239	LOUISZ Maria
0.007813	1	7	223	MARTINET Françoise
0.007813	1	7	1812	MOUY Pierre
0.015625	1	6	2092	NIEL\NEL ** Guillaume
0.03125	1	5	605	PINARD Jacques
0.015625	1	6	200	POTGIETER Harmen Jansen
0.015625	1	6	243	PRÉVOT Charles
0.015625	1	6	2235	PYL ** Abraham Bastiaansz
0.007813	1	7	2317	RETIEF ^ Marie
0.015625	1	6	1869	RETIF ** Francois
0.015625	1	6	77	RETIF Anne
0.007813	1	7	2316	ROUSSEAU ^ Daniel
0.015625	1	6	240	SANDERS VAN DIE KAAP Lijsbeth
0.03125	1	5	152	SCHEEPERS Coenraad
0.03125	1	5	292	TERREBLANQUE Estienne
0.007813	1	7	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.03125	1	5	277	VAN DEVENTER Gerrit Jansz
0.007813	1	7	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.015625	2	7	2309	VAN PLUS ^ Rachel
0.0625	1	4	279	VAN ROOYEN Cornelis

Table A12: Deconstruct Output of S. J. du Toit. Born 1847

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	6	330	AVICE Marie
0.003906	1	8	246	BLEU ** Elisabeth
0.015625	1	6	678	BLOM ** Barend Pieterz
0.03125	1	5	326	BOEIENS\BOOYENS Pieter
0.003906	1	8	66	CLOETE Jacob
0.007813	1	7	160	D'ATIS Cecilia
0.007813	1	7	904	DE BERAULT Louis
0.015625	1	6	4959	DE SWARDT ** Ernst Frederik
0.007813	1	7	159	DES PRÉS Hercule
0.015625	2	7	116	DES RUELLES Daniel
0.015625	1	6	194	DU PLESSIS Jean Prieur
0.015625	1	6	2576	DU PRE ** Marie Jeanne
0.042969	6	7.333333	2304	DU TOIT ^ Pierre
0.03125	1	5	1884	FICK ** Antonie
0.03125	2	6	322	GARDIOL Marguerite
0.015625	2	7	117	GOUDALLE Anne
0.015625	1	6	2205	JOUBERT ** Pierre
0.003906	1	8	245	LE FÉVRE ** David
0.03125	1	5	319	LE LONG\LONGUE Isabeau
0.03125	1	5	320	MALAN Jacques
0.023438	3	7	114	MARAIS Charles
0.03125	1	5	325	MELIUS Johann Heinrich
0.015625	1	6	195	MENANTEAU Madeleine
0.015625	1	6	1812	MOUY Pierre
0.050781	7	7.285714	2319	PELETREAUX ^Jeanne
0.007813	1	7	243	PRÉVOT Charles
0.003906	1	8	67	RADERGRÖTZ Sophia
0.03125	4	7.25	2317	RETIEF ^ Marie
0.03125	1	5	1869	RETIF ** Francois
0.0625	4	6.25	77	RETIF Anne
0.015625	1	6	2204	RICHARD ** Isabeau
0.042969	6	7.333333	2305	ROUSELLE ^ Marie
0.03125	4	7.25	2316	ROUSSEAU ^ Daniel
0.015625	1	6	595	ROUX Paul
0.015625	2	7	2257	SECAULT ^ Elsabeth
0.050781	7	7.285714	2318	SEUGNET ^ Helie
0.023438	3	7	115	TABOUREUX Catherine
0.015625	1	6	2577	THEROND ** Jacques
0.015625	1	6	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.0625	1	4	94	VAN BILLION Bernardus
0.007813	1	7	64	VAN DER MERWE Willem Schalk
0.03125	1	5	1883	VAN DER SCHELDE ** Maria
0.007813	1	7	905	VAN DIE KAAP Catharina
0.015625	1	6	168	VAN MARSEVEEN Pieter Jansz
0.015625	2	7	2256	VILLIERS ^ Pierre

Table A13: Deconstruct Output of C. R. de Wet. Born 1854

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.007813	1	7	2323	AERTS ^ Jangten
0.007813	2	8	2298	ANDRIESZ Neeltje
0.015625	1	6	264	BECKER\BEKKER Peter
0.03125	2	6	908	BOCKELBERG Johannes
0.015625	1	6	154	BRUÉRE Estienne
0.046875	3	6	62	BURCHERDT Berndt
0.011719	3	8	66	CLOETE Jacob
0.007813	1	7	263	COCHET Sara
0.015625	2	7	390	CORNELISSEN Evert
0.007813	1	7	160	D'ATIS Cecilia
0.007813	1	7	266	DE CLERCQ Pieter
0.007813	1	7	135	DE VOS Suzanne
0.015625	1	6	2656	DE WET ** Jacobus
0.007813	1	7	159	DES PRÉS Hercule
0.015625	1	6	2576	DU PRE ** Marie Jeanne
0.007813	1	7	2252	DU PUY ** Jean
0.007813	1	7	2304	DU TOIT ^ Pierre
0.023438	3	7	171	GANZEVANGER Catharina
0.007813	1	7	359	GERRITS Margaretha
0.015625	1	6	153	GYSBERTS Teuntje
0.007813	2	8	102	HELM Hans
0.015625	1	6	818	HILLEBRANDT Catharina
0.007813	1	7	134	JACOB Pierre
0.015625	2	7	2205	JOUBERT ** Pierre
0.015625	2	7	2297	KEMP ** Nicolaas
0.03125	1	5	5347	KOEKEMOER ** Jochem
0.03125	2	6	5337	KOSTER ** Heinrich
0.03125	2	6	2227	KRUGER\CRUGER ** Jacob
0.03125	2	6	2087	LORET ** Guillaume
0.03125	1	5	124	MARÉ Ignace
0.007813	1	7	1801	MARTIN Anne
0.023438	3	7	2314	OLIVIER ^ Cornelis
0.0625	2	5	5335	OPPERMAN ** Gottlieb Christian
0.007813	1	7	2319	PELETREAUX ^Jeanne
0.007813	1	7	476	PRETORIUS Johannes
0.015625	1	6	539	PUTTER Dietrich
0.011719	3	8	67	RADERGRÖTZ Sophia
0.007813	1	7	696	RAS Hans
0.015625	2	7	2204	RICHARD ** Isabeau
0.007813	1	7	2305	ROUSELLE ^ Marie
0.007813	1	7	5250	SCABALJE Unknown
0.015625	1	6	152	SCHEEPERS Coenraad
0.015625	1	6	1550	SCHRÖDER ** Hendrik\Heinrich
0.007813	1	7	2318	SEUGNET ^ Helie
0.03125	2	6	5618	STRANG ** Carel
0.015625	1	6	651	STRYDOM Joost
0.03125	2	6	5619	SWART ** Anna Maria

0.007813	2	8	2299	SWERISSE ** Lourens
0.015625	1	6	2577	THEROND ** Jacques
0.023438	3	7	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.007813	1	7	697	USBINGHS Angelina Catharina
0.015625	2	7	105	VAN DEN BOSCH Jan
0.023438	3	7	64	VAN DER MERWE Willem Schalk
0.007813	1	7	2723	VAN HOORN ^ Judith
0.015625	1	6	132	VAN VUREN Gerrit (Janszoon)
0.007813	1	7	2322	VAN WYK ^ Arie
0.023438	3	7	170	VERWEY Gysbert
0.007813	1	7	477	VICTOR Johanna
0.007813	1	7	358	VISSER Jan Coenraad
0.015625	1	6	369	VIVIER Abraham
0.007813	2	8	103	WILLEMSE Geertruy
0.015625	2	7	391	WILLEMSE Maria

Table A14: Deconstruct Output of M. T. Steyn. Born 1857

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	380	BEZUIDENHOUT Wynand Leenderts
0.007813	1	7	511	BIBAULT Detlef
0.011719	3	8	246	BLEU ** Elisabeth
0.011719	2	7.5	247	BOTH Friedrich
0.007813	1	7	899	BRITS Hans Jacob
0.007813	3	8.666667	212	BRUERE ^ Anne
0.003906	1	8	698	CLAASEN Cornelis
0.007813	1	7	676	CLEEF ** Nicolaus
0.015625	2	7	756	COEN Margaretha Klaas-dogter
0.019531	4	7.75	222	CORDIER Louis
0.015625	2	7	160	D'ATIS Cecilia
0.015625	1	6	290	DE BRUYN Theunis
0.007813	1	7	789	DE BUIS Jean
0.007813	1	7	2091	DE LA BATTE ** Jeanne
0.000977	1	10	87	DE LA HAYE ^ Anne
0.125	1	3	5403	DE LA REY ** Pieter
0.007813	1	7	5418	DE PERONE ** Louis
0.001953	1	9	81	DE SAVOYE Jacques
0.003906	1	8	135	DE VOS Suzanne
0.015625	2	7	159	DES PRÉS Hercule
0.000977	1	10	86	DU PONT ^ Denis
0.007813	1	7	2576	DU PRE ** Marie Jeanne
0.003906	1	8	2304	DU TOIT ^ Pierre
0.003906	1	8	764	ELBERTS Heinrich
0.007813	3	8.666667	211	FOUCHER ^ Bernard
0.039063	4	6.75	221	FOURIE Louis
0.046875	5	6.8	201	FREDERIKS Isabella
0.007813	1	7	322	GARDIOL Marguerite
0.001953	1	9	5445	GERRITS ** Greetjen
0.003906	1	8	381	GERRITS Jannetje

0.001953	1	9	359	GERRITS Margaretha
0.007813	1	7	239	HERBST Johann
0.015625	1	6	216	HOLTZHAUSEN Johann Andreas
0.003906	1	8	134	JACOB Pierre
0.015625	1	6	2164	JANSEN - Jan Dirk
0.007813	1	7	2205	JOUBERT ** Pierre
0.011719	2	7.5	248	KICKERS Maria
0.003906	1	8	2308	LE FEBRE ^ Pierre
0.011719	3	8	245	LE FÉVRE ** David
0.03125	3	6.666667	207	LE RICHE Louis
0.019531	4	7.75	223	MARTINET Françoise
0.003906	1	8	763	MEINTJES Geertruyd
0.003906	1	8	1812	MOUY Pierre
0.125	1	3	5399	MULLER ** Joseph Ludwig
0.007813	1	7	2092	NIEL\NEL ** Guillaume
0.007813	1	7	757	NIEMANN Johan(n)
0.015625	1	6	752	ODENTHAL Wilhelm
0.001953	1	9	2314	OLIVIER ^ Cornelis
0.007813	3	8.666667	219	PAILLEVERT ^ Anne
0.003906	1	8	2319	PELETREAUX ^Jeanne
0.046875	5	6.8	200	POTGIETER Harmen Jansen
0.003906	1	8	476	PRETORIUS Johannes
0.015625	2	7	243	PRÉVOT Charles
0.003906	1	8	539	PUTTER Dietrich
0.003906	1	8	2317	RETIEF ^ Marie
0.007813	1	7	1869	RETIF ** Francois
0.007813	1	7	77	RETIF Anne
0.007813	1	7	2204	RICHARD ** Isabeau
0.003906	1	8	2305	ROUSELLE ^ Marie
0.003906	1	8	2316	ROUSSEAU ^ Daniel
0.007813	1	7	240	SANDERS VAN DIE KAAP Lijsbeth
0.003906	1	8	2257	SECAULT ^ Elsabeth
0.003906	1	8	2318	SEUGNET ^ Helie
0.001953	1	9	999	SNIJMAN Hans Christoffel
0.007813	3	8.666667	218	SOUCHAY ^ Paul
0.015625	2	7	755	SWART Johannes
0.003906	1	8	765	TER MOLLEN Aletta
0.007813	1	7	2577	THEROND ** Jacques
0.003906	1	8	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.001953	1	9	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.03125	3	6.666667	5454	UNKNOWNSURNAMEU Unknownmanu
0.03125	3	6.666667	1110	VAN DIE KAAP Maria LOZEE
0.007813	1	7	754	VAN MADAGASKAR Diana
0.003906	1	8	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.001953	1	9	1000	VAN PALICATTE Catharina
0.003906	1	8	2309	VAN PLUS ^ Rachel
0.003906	1	8	2256	VILLIERS ^ Pierre

0.003906	2	9	358	VISSER Jan Coenraad
0.007813	1	7	759	WESSELS Johannes (Jan)
0.007813	1	7	770	WILLEMSE Gerrit

Table A15: Deconstruct Output of L. Botha. Born 1862

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2323	AERTS ^ Jangten
0.015625	2	7	2302	AVIENS ^ Heyletje
0.005859	2	8.5	246	BLEU ** Elisabeth
0.007813	1	7	247	BOTH Friedrich
0.005859	2	8.5	212	BRUERE ^ Anne
0.015625	1	6	154	BRUÉRE Estienne
0.015625	1	6	62	BURCHERDT Berndt
0.003906	1	8	676	CLEEF ** Nicolaus
0.003906	1	8	66	CLOETE Jacob
0.007813	1	7	1952	CONTERMAN(N) ** Jan Jacob
0.027344	5	7.6	222	CORDIER Louis
0.007813	1	7	600	COURBONNE Louise
0.011719	2	7.5	160	D'ATIS Cecilia
0.015625	1	6	789	DE BUIS Jean
0.007813	1	7	177	DE GRAVE Marie
0.015625	2	7	2091	DE LA BATTE ** Jeanne
0.001953	1	9	87	DE LA HAYE ^ Anne
0.003906	1	8	81	DE SAVOYE Jacques
0.007813	1	7	135	DE VOS Suzanne
0.015625	2	7	2303	DE WIT ^ Orphanfathera
0.011719	2	7.5	159	DES PRÉS Hercule
0.001953	1	9	86	DU PONT ^ Denis
0.007813	1	7	2252	DU PUY ** Jean
0.03125	1	5	268	FERREIRA Ignacio Leopold
0.005859	2	8.5	211	FOUCHER ^ Bernard
0.054688	5	6.6	221	FOURIE Louis
0.011719	2	7.5	201	FREDERIKS Isabella
0.007813	1	7	171	GANZEVANGER Catharina
0.007813	1	7	322	GARDIOL Marguerite
0.003906	1	8	5445	GERRITS ** Greetjen
0.015625	1	6	153	GYSBERTS Teuntje
0.007813	1	7	1816	HARMENSZ Trijnttje
0.011719	2	7.5	239	HERBST Johann
0.007813	1	7	134	JACOB Pierre
0.007813	1	7	248	KICKERS Maria
0.0625	1	4	509	KOCK Johannes Jacobus
0.007813	1	7	4796	KOOL ** Margaretha
0.005859	2	8.5	2308	LE FEBRE ^ Pierre
0.005859	2	8.5	245	LE FÉVRE ** David
0.007813	1	7	4795	LE GRANGE ** Pierre
0.023438	2	6.5	207	LE RICHE Louis
0.007813	1	7	1801	MARTIN Anne
0.027344	5	7.6	223	MARTINET Françoise

0.007813	1	7	599	MESNARD Jean
0.015625	3	7.666667	1812	MOUY Pierre
0.015625	2	7	2092	NIEL\NEL ** Guillaume
0.015625	1	6	346	NIEUWOUDT Isaak
0.007813	1	7	2314	OLIVIER ^ Cornelis
0.005859	2	8.5	219	PAILLEVERT ^ Anne
0.003906	1	8	2319	PELETREAUX ^Jeanne
0.011719	2	7.5	200	POTGIETER Harmen Jansen
0.011719	2	7.5	243	PRÉVOT Charles
0.003906	1	8	67	RADERGRÖTZ Sophia
0.007813	2	8	2317	RETIEF ^ Marie
0.015625	2	7	1869	RETIF ** Francois
0.015625	2	7	77	RETIF Anne
0.007813	2	8	2316	ROUSSEAU ^ Daniel
0.007813	1	7	595	ROUX Paul
0.011719	2	7.5	240	SANDERS VAN DIE KAAP Lijsbeth
0.015625	1	6	152	SCHEEPERS Coenraad
0.03125	1	5	4890	SCHUTTE ** Christiaan Ernst
0.003906	1	8	2257	SECAULT ^ Elsabeth
0.003906	1	8	2318	SEUGNET ^ Helie
0.003906	1	8	999	SNIJMAN Hans Christoffel
0.005859	2	8.5	218	SOUCHAY ^ Paul
0.015625	1	6	4889	STEENKAMP ** Jan
0.015625	1	6	292	TERREBLANQUE Estienne
0.015625	3	7.666667	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.007813	1	7	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.007813	1	7	64	VAN DER MERWE Willem Schalk
0.03125	2	6	277	VAN DEVENTER Gerrit Jansz
0.03125	1	5	787	VAN LEEUWEN Cornelis
0.003906	1	8	1000	VAN PALICATTE Catharina
0.005859	2	8.5	2309	VAN PLUS ^ Rachel
0.0625	2	5	279	VAN ROOYEN Cornelis
0.003906	1	8	2322	VAN WYK ^ Arie
0.007813	1	7	170	VERWEY Gysbert
0.003906	1	8	2256	VILLIERS ^ Pierre
0.007813	1	7	142	VISSER Gerrit Jansz
0.003906	1	8	358	VISSER Jan Coenraad

Table A16: Deconstruct Output of J. B. M. Hertzog. Born 1866

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2323	AERTS ^ Jangten
0.007813	1	7	330	AVICE Marie
0.015625	1	6	264	BECKER\BEKKER Peter
0.03125	2	6	840	BEVERNAGIE Francina
0.005859	3	9	246	BLEU ** Elisabeth
0.015625	1	6	544	BRANDENBURG Jacoba
0.007813	1	7	439	BRIET Suzanne
0.039063	4	6.75	62	BURCHERDT Berndt

0.019531	8	8.75	66	CLOETE Jacob
0.007813	1	7	263	COCHET Sara
0.015625	1	6	1949	DE CLERCQ ** Jeanne
0.007813	1	7	266	DE CLERCQ Pieter
0.015625	1	6	2674	DE WAAL ** Johannes
0.03125	1	5	2796	DREYER ** Johannes Augustus
0.003906	1	8	2304	DU TOIT ^ Pierre
0.03125	1	5	2433	FRANKE\FRANCK ** Johannes
0.015625	2	7	171	GANZEVANGER Catharina
0.015625	1	6	1950	GAUCHER ** Andre
0.003906	1	8	5445	GERRITS ** Greetjen
0.007813	1	7	359	GERRITS Margaretha
0.015625	1	6	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.03125	1	5	4832	GOBRECHT ** Christian
0.0625	1	4	4825	HAMMAN ** Johan Jurgen
0.03125	1	5	4846	HAUMANN ** Eduard Christian
0.015625	2	7	102	HELM Hans
0.03125	1	5	356	HERTZOG Matthias
0.015625	1	6	1893	HOEFNAGELS ** Margaretha
0.007813	1	7	1316	JANS ** Trijntje (Catharina)
0.005859	3	9	245	LE F/VRE ** David
0.015625	1	6	543	LƎBE Barend
0.003906	1	8	114	MARAIS Charles
0.007813	1	7	617	MARQUARDT Margaretha
0.03125	2	6	838	MOUTON Jacques
0.015625	1	6	4840	MUNNINGH (MUNNIK) ** Johann Heinrich
0.007813	1	7	616	MƎLLER Heinrich Christoffel
0.003906	1	8	2319	PELETREAUX ^Jeanne
0.011719	3	8	243	PR/VOT Charles
0.019531	8	8.75	67	RADERGRƎTZ Sophia
0.03125	1	5	351	ROOS Johannes (Hans)
0.003906	1	8	2305	ROUSELLE ^ Marie
0.015625	1	6	4836	SCHMIDT ** Elizabeth
0.003906	1	8	2318	SEUGNET ^ Helie
0.015625	1	6	2101	SIEK ** Jonann
0.015625	1	6	1399	SMIT Jan\Johannes
0.003906	1	8	115	TABOUREUX Catherine
0.007813	1	7	1338	TAILLEFERT Isaac
0.015625	1	6	503	TOL Adriana
0.03125	1	5	2787	VAN AARDE ** Hendrik
0.039063	8	7.75	64	VAN DER MERWE Willem Schalk
0.015625	1	6	353	VAN DER ZEE Catharina
0.015625	1	6	4837	VAN ECK ** Cornelis
0.015625	1	6	2673	VAN ECK\NECK ** Elisabeth
0.015625	1	6	585	VAN HEERDEN Pieter Willem
0.003906	1	8	2322	VAN WYK ^ Arie
0.015625	2	7	170	VERWEY Gysbert
0.007813	1	7	142	VISSER Gerrit Jansz

0.011719	2	7.5	358	VISSER Jan Coenraad
0.03125	2	6	2440	VISSER\S ** Geertje\Geesje Jansz
0.03125	1	5	357	WALDHORN Ilse Katherine
0.015625	2	7	103	WILLEMSE Geertruy

Table A17: Deconstruct Output of J. C. Smuts. Born 1870

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.001953	1	9	2323	AERTS ^ Jangten
0.007813	2	8	2517	ALBERTS ** Aaltjie
0.003906	1	8	2518	BASSON ** Arnoldus Willemsz
0.015625	1	6	4794	BEKKER ** Carel Christiaan
0.007813	1	7	2772	BEST Martin
0.007813	1	7	840	BEVERNAGIE Francina
0.007813	1	7	388	BEYERS Andries
0.007813	1	7	678	BLOM ** Barend Pieterz
0.003906	1	8	908	BOCKELBERG Johannes
0.015625	1	6	326	BOEIENS\BOOYENS Pieter
0.003906	1	8	66	CLOETE Jacob
0.007813	1	7	2828	DAALDONS\DANSDONS Maria
0.03125	1	5	2044	DAVEL\TAFEL ** Johan(n) Christia(a)n
0.003906	1	8	904	DE BERAULT Louis
0.007813	1	7	1802	DE HAAS Guillaume
0.007813	1	7	1594	DE KLERCK Susanna
0.015625	1	6	2065	DE KOCK ** Servaas
0.011719	2	7.5	2091	DE LA BATTE ** Jeanne
0.007813	1	7	2822	DE LAAR ** Anna Maria
0.015625	1	6	2790	DE VLAMINGH ** Dignus
0.125	1	3	2748	DE VRIES ** Boudewyn Homberg
0.015625	1	6	2796	DREYER ** Johannes Augustus
0.015625	2	7	194	DU PLESSIS Jean Prieur
0.007813	1	7	1803	DURIER Maria Catharina
0.007813	1	7	5364	EENMAAL ** Cornelia
0.009766	3	8.333333	171	GANZEVANGER Catharina
0.000977	1	10	2848	GORINGHAICONA VAN DIE KAAP Eva
0.007813	1	7	50	GREEFF Matthias
0.003906	1	8	342	GRILLION Marie
0.007813	1	7	2812	HARTOG ** Abraham
0.007813	2	8	102	HELM Hans
0.003906	1	8	5435	HENNING ** Christoffel Hendrik
0.003906	1	8	2276	JACOBSZ ** Claas
0.003906	1	8	1316	JANS ** Trijntje (Catharina)
0.015625	2	7	2549	JASPERS ** Huybreghje
0.007813	1	7	4796	KOOL ** Margaretha
0.007813	1	7	4795	LE GRANGE ** Pierre
0.007813	1	7	319	LE LONG\LONGUE Isabeau
0.015625	1	6	305	LE ROUX Jean
0.003906	1	8	2834	LOUBSER ** Nicolaus
0.007813	1	7	2263	LYVENS ** Levina
0.007813	1	7	320	MALAN Jacques

0.003906	1	8	343	MALHERBE Gideon
0.003906	1	8	2850	MANUELS Martha
0.015625	2	7	195	MENANTEAU Madeleine
0.003906	1	8	2849	MEYN Christiaan
0.015625	2	7	807	MOSTERT Jan
0.007813	1	7	838	MOUTON Jacques
0.007813	2	8	2516	MYBURGH ** Lambert
0.0625	1	4	2762	NICHAUS\NIEHAUS ** Christoffel Hendrik
0.011719	2	7.5	2092	NIEL\NEL ** Guillaume
0.015625	2	7	808	NIEUWMEYER Elisabeth
0.009766	3	8.333333	2314	OLIVIER ^ Cornelis
0.015625	1	6	2088	OTTO ** Michiel\Michael
0.015625	1	6	2800	PAS ** Christiaan
0.003906	1	8	2835	QUINT ** Engeltje
0.003906	1	8	67	RADERGRƎTZ Sophia
0.007813	1	7	2840	RADYN ** Jurgen
0.007813	2	8	2317	RETIEF ^ Marie
0.015625	2	7	77	RETIF Anne
0.007813	1	7	4716	RIETMOLY ** Anna
0.003906	1	8	2275	RIJKS ** Aagje
0.007813	2	8	2316	ROUSSEAU ^ Daniel
0.007813	1	7	2101	SIEK ** Jonann
0.015625	2	7	2548	SLABBERT ** Floris
0.007813	1	7	1399	SMIT Jan\Johannes
0.007813	1	7	5363	SMUTS ** Michiel Cornelis
0.007813	1	7	4715	TERWINKEL ** Lambert
0.007813	1	7	503	TOL Adriana
0.009766	3	8.333333	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.007813	1	7	5436	UNKNOWNSURNAMER Unknownwomanr
0.015625	1	6	2787	VAN AARDE ** Hendrik
0.003906	1	8	2519	VAN BENGALE Angela
0.007813	1	7	2811	VAN BOEGIES Susanna
0.007813	1	7	2264	VAN BOOVEN ** Jesaias
0.007813	1	7	2810	VAN BOUTON Philip
0.007813	1	7	2782	VAN DE BYL ** Gerhard Pieterszoon
0.007813	1	7	2783	VAN DEN TEMPEL ** Sophia
0.007813	1	7	64	VAN DER MERWE Willem Schalk
0.003906	1	8	905	VAN DIE KAAP Catharina
0.015625	1	6	2836	VAN ES ** Isaac
0.015625	1	6	585	VAN HEERDEN Pieter Willem
0.007813	1	7	700	VAN HOEVEN Jacob
0.007813	1	7	2562	VAN JAARSVELD ** Adriaan
0.000977	1	10	2847	VAN MEERHOF ** Pieter
0.001953	1	9	2322	VAN WYK ^ Arie
0.007813	1	7	2792	VERBEEK ** Jan
0.007813	1	7	2842	VERDEAU ** Hercule
0.009766	3	8.333333	170	VERWEY Gysbert
0.007813	1	7	2831	VIEDT ** Conrad Heinrich
0.003906	1	8	5434	VISSER ** Anthoinette
0.007813	1	7	389	VRYMAN Catharina

0.007813	1	7	4778	WIBEAUX\HIBEAUX ** Maria Catharina
0.007813	2	8	103	WILLEMSE Geertruy
0.001953	1	9	2845	ZAAYMAN ** Daniel
0.007813	1	7	2514	ZANK ** Sophia

Table A18: Deconstruct Output of E. N. Marais. Born 1871

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	66	CLOETE Jacob
0.015625	1	6	2444	DE LANOY ** Marie
0.007813	1	7	116	DES RUELLES Daniel
0.015625	1	6	2439	DU PLOOY\PLOEGE\PLOEG\PLUY ** Hendrik\Heinrich
0.03125	1	5	2433	FRANKE\FRANCK ** Johannes
0.015625	2	7	171	GANZEVANGER Catharina
0.007813	1	7	2728	GARDIOL ** Suzanne
0.046875	3	6	322	GARDIOL Marguerite
0.007813	1	7	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.007813	1	7	117	GOUDALLE Anne
0.015625	1	6	2443	GROENEWALD\GRUNWALD ** Christoffel\Christoph
0.0625	1	4	2409	HARDERS ** Remmerus
0.015625	1	6	2445	HATTINGH ** Hans Hendrik\Heinrich
0.015625	1	6	2253	HEYNS ** Paul
0.007813	1	7	1893	HOEFNAGELS ** Margaretha
0.015625	1	6	2448	HUGO ** Daniel
0.007813	1	7	2205	JOUBERT ** Pierre
0.015625	1	6	2734	KEL ** Catharina\Catherina
0.03125	1	5	2419	KRIGE\KRIGO ** Willem Adolph
0.007813	1	7	114	MARAIS Charles
0.125	1	3	2399	NIELEN ** Johann Christian
0.015625	1	6	2442	NIEMAND ** Catharina
0.007813	1	7	2314	OLIVIER ^ Cornelis
0.0625	1	4	2417	PERSOON ** Christian Daniel
0.003906	1	8	67	RADERGRÖTZ Sophia
0.011719	2	7.5	2317	RETIEF ^ Marie
0.023438	2	6.5	77	RETIF Anne
0.007813	1	7	2204	RICHARD ** Isabeau
0.011719	2	7.5	2316	ROUSSEAU ^ Daniel
0.027344	4	7.25	2257	SECAULT ^ Elsabeth
0.03125	1	5	2430	SIEKERMANS ** Johanna
0.03125	1	5	2732	STEEN ** Sybrand
0.007813	1	7	115	TABOUREUX Catherine
0.015625	1	6	2733	TAUKEN\TAUKE\TOLKEN\TOUWKEN ** Johann\Jan Heinrich\Hendrik
0.007813	1	7	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.03125	1	5	5456	UNKNOWNSURNAMEW Unknownwomanw
0.007813	1	7	64	VAN DER MERWE Willem Schalk
0.015625	1	6	2428	VAN DER POEL ** Pieter
0.03125	1	5	2427	VAN DER SPUY ** Melt

0.007813	1	7	136	VAN DER WESTHUYSEN Pieter
0.015625	1	6	2437	VAN NIEKERK\VAN NIEUKERK ** Cornelis Gerritsz
0.03125	1	5	2730	VAN RHEEDE VAN OUDTSHOORN ** Pieter
0.015625	2	7	170	VERWEY Gysbert
0.015625	1	6	2429	VIANT ** Johanna
0.027344	4	7.25	2256	VILLIERS ^ Pierre
0.015625	1	6	2440	VISSER\S ** Geertje\Geesje Jansz
0.03125	1	5	2431	VON REENEN ** Jacob
0.007813	1	7	137	WINKELHAUSEN Maria Hendriks

Table A19: Deconstruct Output of C. J. Langenhoven. Born 1873

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2323	AERTS ^ Jangten
0.003906	1	8	2302	AVIENS ^ Heyletje
0.03125	1	5	619	BLIGNAULT Jean
0.007813	1	7	247	BOTH Friedrich
0.007813	1	7	899	BRITS Hans Jacob
0.023438	2	6.5	2640	CARTENIERS ** Jacomina
0.007813	1	7	676	CLEEF ** Nicolaus
0.015625	1	6	1952	CONTERMAN(N) ** Jan Jacob
0.007813	1	7	222	CORDIER Louis
0.015625	1	6	1949	DE CLERCQ ** Jeanne
0.001953	1	9	87	DE LA HAYE ^ Anne
0.003906	1	8	81	DE SAVOYE Jacques
0.003906	1	8	2303	DE WIT ^ Orphanfathera
0.007813	1	7	116	DES RUELLES Daniel
0.001953	1	9	86	DU PONT ^ Denis
0.007813	1	7	257	ERNST Margaretha\Maria
0.015625	1	6	1884	FICK ** Antonie
0.015625	1	6	221	FOURIE Louis
0.007813	1	7	201	FREDERIKS Isabella
0.015625	1	6	1950	GAUCHER ** Andre
0.007813	1	7	5239	GERRITS ** Gerrit
0.001953	1	9	5445	GERRITS ** Greetjen
0.007813	1	7	117	GOUDALLE Anne
0.03125	1	5	620	GROVÉ Andries
0.015625	1	6	2641	HACK\HAAK ** Johann Christoffel
0.015625	1	6	2089	HARTOG Margaretha
0.015625	2	7	102	HELM Hans
0.007813	1	7	2534	HOLSWIG ** Susanna
0.015625	1	6	5738	HOOG ** Claas
0.007813	1	7	1316	JANS ** Trijntje (Catharina)
0.007813	1	7	248	KICKERS Maria
0.015625	1	6	2260	KNOETZEN\KNOETSE ** Cornelis
0.125	1	3	5721	LANGENHOVEN ** Pieter Wilhelmus
0.003906	1	8	2308	LE FEBRE ^ Pierre
0.0625	1	4	5729	LOTZ ** Johan Willem
0.015625	2	7	114	MARAIS Charles

0.007813	1	7	223	MARTINET Françoise
0.015625	1	6	624	NIEL Etienne
0.03125	1	5	5235	NIEUWENHUIZEN ** Jan Jansz
0.001953	1	9	2314	OLIVIER ^ Cornelis
0.015625	1	6	2090	PIEK ** Jan\Johann Casper
0.007813	1	7	200	POTGIETER Harmen Jansen
0.007813	1	7	696	RAS Hans
0.015625	2	7	2317	RETIEF ^ Marie
0.03125	2	6	77	RETIF Anne
0.015625	2	7	2316	ROUSSEAU ^ Daniel
0.007813	1	7	2533	SACHS ** Joachim
0.003906	1	8	999	SNIJMAN Hans Christoffel
0.015625	2	7	115	TABOUREUX Catherine
0.0625	1	4	5733	THUYN ** Cornelis Jacobsz
0.001953	1	9	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.007813	1	7	697	USBINGHS Angelina Catharina
0.03125	1	5	94	VAN BILLION Bernardus
0.007813	1	7	5238	VAN BOMBASA Susanna
0.023438	2	6.5	2639	VAN DEN BERG ** Jacobus
0.015625	1	6	1883	VAN DER SCHELDE ** Maria
0.007813	1	7	277	VAN DEVENTER Gerrit Jansz
0.03125	1	5	5740	VAN KOPPEN ** Ijsbrand
0.003906	1	8	1000	VAN PALICATTE Catharina
0.003906	1	8	2309	VAN PLUS ^ Rachel
0.007813	1	7	256	VAN STADEN Maarten
0.003906	1	8	2322	VAN WYK ^ Arie
0.001953	1	9	358	VISSER Jan Coenraad
0.03125	1	5	5221	WANSENBURG ** Coenraad Christoffel
0.015625	2	7	103	WILLEMSE Geertruy

Table A20: Deconstruct Output of D. F. Malan. Born 1874

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.007813	1	7	330	AVICE Marie
0.011719	2	7.5	439	BRIET Suzanne
0.007813	1	7	110	CELLIER Josué
0.007813	1	7	600	COURBONNE Louise
0.007813	1	7	111	COUVRET Elisabeth\Isabeau
0.046875	9	7.666667	116	DES RUELLES Daniel
0.019531	4	7.75	2304	DU TOIT ^ Pierre
0.007813	1	7	1884	FICK ** Antonie
0.005859	2	8.5	171	GANZEVANGER Catharina
0.023438	3	7	322	GARDIOL Marguerite
0.003906	1	8	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.046875	9	7.666667	117	GOUDALLE Anne
0.007813	1	7	342	GRILLION Marie
0.003906	1	8	1893	HOEFNAGELS ** Margaretha
0.007813	1	7	2205	JOUBERT ** Pierre
0.03125	2	6	319	LE LONG\LONGUE Isabeau

0.003906	1	8	512	LOUW Jan Pietersz
0.03125	2	6	320	MALAN Jacques
0.007813	1	7	343	MALHERBE Gideon
0.050781	10	7.7	114	MARAIS Charles
0.039063	3	6.333333	325	MELIUS Johann Heinrich
0.007813	1	7	599	MESNARD Jean
0.058594	8	7.125	1812	MOUY Pierre
0.015625	1	6	1867	NAUDE ** Jacob
0.005859	2	8.5	2314	OLIVIER ^ Cornelis
0.033203	8	8	2319	PELETREAUX ^Jeanne
0.023438	6	8	2317	RETIEF ^ Marie
0.101563	7	6.142857	1869	RETIF ** Francois
0.046875	6	7	77	RETIF Anne
0.007813	1	7	2204	RICHARD ** Isabeau
0.019531	4	7.75	2305	ROUSELLE ^ Marie
0.023438	6	8	2316	ROUSSEAU ^ Daniel
0.027344	4	7.25	595	ROUX Paul
0.003906	1	8	2301	SCHMIDT ** Heinrich Evert
0.015625	4	8	2257	SECAULT ^ Elsabeth
0.033203	8	8	2318	SEUGNET ^ Helie
0.050781	10	7.7	115	TABOUREUX Catherine
0.011719	2	7.5	1338	TAILLEFERT Isaac
0.058594	8	7.125	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.005859	2	8.5	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.003906	1	8	2300	UNKNOWNSURNAMET Unknownwomant
0.015625	1	6	94	VAN BILLION Bernardus
0.007813	1	7	1883	VAN DER SCHELDE ** Maria
0.003906	1	8	136	VAN DER WESTHUYSEN Pieter
0.005859	2	8.5	170	VERWEY Gysbert
0.015625	4	8	2256	VILLIERS ^ Pierre
0.003906	1	8	513	WEIJAN Beatrice
0.007813	1	7	1888	WENDELS ** Elisabeth
0.003906	1	8	137	WINKELHAUSEN Maria Hendriks

Table A21: Deconstruct Output of M. L. de Villiers. Born 1885

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2517	ALBERTS ** Aaltjie
0.003906	1	8	330	AVICE Marie
0.001953	1	9	246	BLEU ** Elisabeth
0.007813	1	7	619	BLIGNAULT Jean
0.011719	2	7.5	678	BLOM ** Barend Pieterz
0.023438	2	6.5	326	BOEIENS\BOOYENS Pieter
0.015625	2	7	439	BRIET Suzanne
0.003906	2	9	212	BRUERE ^ Anne
0.125	1	3	4970	CATORZIA ** Rocco
0.001953	1	9	66	CLOETE Jacob
0.003906	1	8	756	COEN Margaretha Klaas-dogter
0.007813	2	8	222	CORDIER Louis
0.003906	1	8	600	COURBONNE Louise

0.007813	1	7	915	COUTEAU Marie
0.005859	2	8.5	904	DE BERAULT Louis
0.003906	1	8	789	DE BUIS Jean
0.015625	1	6	5003	DE JONG ** Krelis Cornelisz
0.001953	1	9	135	DE VOS Suzanne
0.009766	2	8	116	DES RUELLES Daniel
0.019531	3	7.333333	194	DU PLESSIS Jean Prieur
0.007813	1	7	2439	DU PLOOY\PLOEGE\PLOEG\PLUY ** Hendrik\Heinrich
0.015625	1	6	2576	DU PRE ** Marie Jeanne
0.007813	1	7	2304	DU TOIT ^ Pierre
0.03125	1	5	5001	ENGELBRECHT ** Gerd
0.007813	1	7	2085	ERASMUS ** Pieter
0.003906	2	9	211	FOUCHER ^ Bernard
0.023438	3	7.333333	322	GARDIOL Marguerite
0.003906	1	8	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.009766	2	8	117	GOUDALLE Anne
0.007813	1	7	620	GROVÉ Andries
0.003906	1	8	1893	HOEFNAGELS ** Margaretha
0.001953	1	9	134	JACOB Pierre
0.007813	1	7	2549	JASPERS ** Huybreghje
0.007813	1	7	2084	JOOSTE ** Maria Elisabeth
0.007813	1	7	2205	JOUBERT ** Pierre
0.015625	1	6	5002	KOPS ** Elisabeth
0.001953	1	9	245	LE FÉVRE ** David
0.007813	1	7	319	LE LONG\LONGUE Isabeau
0.007813	1	7	914	LOMBARD Pierre
0.003906	1	8	512	LOUW Jan Pietersz
0.007813	1	7	320	MALAN Jacques
0.013672	4	8.5	114	MARAIS Charles
0.007813	2	8	223	MARTINET Françoise
0.015625	1	6	325	MELIUS Johann Heinrich
0.019531	3	7.333333	195	MENANTEAU Madeleine
0.003906	1	8	599	MESNARD Jean
0.003906	1	8	807	MOSTERT Jan
0.007813	2	8	1812	MOUY Pierre
0.003906	1	8	2516	MYBURGH ** Lambert
0.003906	1	8	624	NIEL Etienne
0.003906	1	8	808	NIEUWMEYER Elisabeth
0.021484	4	7.75	2319	PELETREAUX ^Jeanne
0.007813	2	8	605	PINARD Jacques
0.003906	1	8	243	PRÉVOT Charles
0.001953	1	9	67	RADERGRÖTZ Sophia
0.013672	5	8.6	2317	RETIEF ^ Marie
0.007813	1	7	1869	RETIF ** Francois
0.027344	5	7.6	77	RETIF Anne
0.007813	1	7	2204	RICHARD ** Isabeau
0.015625	1	6	877	ROGIERS Johannes
0.007813	1	7	2305	ROUSELLE ^ Marie
0.013672	5	8.6	2316	ROUSSEAU ^ Daniel

0.027344	3	7	595	ROUX Paul
0.027344	5	7.8	2257	SECAULT ^ Elsabeth
0.021484	4	7.75	2318	SEUGNET ^ Helie
0.007813	1	7	2548	SLABBERT ** Floris
0.03125	1	5	4995	SMIDT ** Marthinus Lourens
0.007813	1	7	1399	SMIT Jan\Johannes
0.003906	1	8	755	SWART Johannes
0.013672	4	8.5	115	TABOUREUX Catherine
0.015625	2	7	1338	TAILLEFERT Isaac
0.015625	1	6	2577	THEROND ** Jacques
0.007813	1	7	503	TOL Adriana
0.007813	2	8	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.007813	1	7	1772	VAN BENGALE Catharina OPKLIM
0.003906	1	8	64	VAN DER MERWE Willem Schalk
0.007813	1	7	2428	VAN DER POEL ** Pieter
0.003906	1	8	136	VAN DER WESTHUYSEN Pieter
0.005859	2	8.5	905	VAN DIE KAAP Catharina
0.007813	1	7	421	VAN LOVEREN ** Christina
0.007813	1	7	2437	VAN NIEKERK\VAN NIEUKERK ** Cornelis Gerritsz
0.007813	1	7	420	VAN ZIJL\ZYL Willem Willemsz
0.007813	1	7	879	VERMEULEN Jan Willemsz
0.007813	1	7	2429	VIANT ** Johanna
0.027344	5	7.8	2256	VILLIERS ^ Pierre
0.003906	1	8	513	WEIJAN Beatrice
0.007813	1	7	1888	WENDELS ** Elisabeth
0.007813	1	7	5013	WIESE ** Benjamin
0.003906	1	8	137	WINKELHAUSEN Maria Hendriks
0.007813	1	7	2514	ZANK ** Sophia

Table A22: Deconstruct Output of H. A. Fagan. Born 1889

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2517	ALBERTS ** Aaltjie
0.003906	1	8	330	AVICE Marie
0.001953	1	9	246	BLEU ** Elisabeth
0.007813	1	7	619	BLIGNAULT Jean
0.003906	1	8	678	BLOM ** Barend Pieterz
0.03125	1	5	5708	BODEKER ** Peter Michael
0.007813	1	7	326	BOEIENS\BOOYENS Pieter
0.003906	2	9	212	BRUERE ^ Anne
0.001953	1	9	66	CLOETE Jacob
0.003906	1	8	756	COEN Margaretha Klaas-dogter
0.007813	2	8	222	CORDIER Louis
0.003906	1	8	600	COURBONNE Louise
0.125	1	3	5701	DANIELS ** Mary
0.001953	1	9	904	DE BERAULT Louis
0.003906	1	8	789	DE BUIS Jean
0.015625	1	6	5003	DE JONG ** Krelis Cornelisz
0.001953	1	9	135	DE VOS Suzanne

0.001953	1	9	116	DES RUELLES Daniel
0.003906	1	8	194	DU PLESSIS Jean Prieur
0.007813	1	7	2439	DU PLOOY\PLOEGE\PLOEG\PLUY ** Hendrik\Heinrich
0.03125	1	5	5001	ENGELBRECHT ** Gerd
0.007813	1	7	2085	ERASMUS ** Pieter
0.125	1	3	5700	FAGAN ** Henry Allan
0.003906	2	9	211	FOUCHER ^ Bernard
0.007813	2	8	322	GARDIOL Marguerite
0.003906	1	8	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.001953	1	9	117	GOUDALLE Anne
0.007813	1	7	620	GROVÉ Andries
0.003906	1	8	1893	HOEFNAGELS ** Margaretha
0.001953	1	9	134	JACOB Pierre
0.007813	1	7	2549	JASPERS ** Huybreghje
0.007813	1	7	2084	JOOSTE ** Maria Elisabeth
0.0625	1	4	5707	KEOGH ** Fanny
0.015625	1	6	5002	KOPS ** Elisabeth
0.001953	1	9	245	LE FÉVRE ** David
0.007813	1	7	319	LE LONG\LONGUE Isabeau
0.003906	1	8	512	LOUW Jan Pietersz
0.007813	1	7	320	MALAN Jacques
0.005859	3	9	114	MARAIS Charles
0.007813	2	8	223	MARTINET Françoise
0.003906	1	8	195	MENANTEAU Madeleine
0.003906	1	8	599	MESNARD Jean
0.003906	1	8	807	MOSTERT Jan
0.007813	2	8	1812	MOUY Pierre
0.003906	1	8	2516	MYBURGH ** Lambert
0.003906	1	8	624	NIEL Etienne
0.003906	1	8	808	NIEUWMEYER Elisabeth
0.001953	1	9	2319	PELETREAUX ^Jeanne
0.007813	2	8	605	PINARD Jacques
0.003906	1	8	243	PRÉVOT Charles
0.001953	1	9	67	RADERGRÖTZ Sophia
0.005859	3	9	2317	RETIEF ^ Marie
0.007813	1	7	1869	RETIF ** Francois
0.011719	3	8	77	RETIF Anne
0.015625	1	6	877	ROGIERS Johannes
0.005859	3	9	2316	ROUSSEAU ^ Daniel
0.003906	1	8	595	ROUX Paul
0.015625	1	6	5712	SCHRADER Johannes
0.003906	2	9	2257	SECAULT ^ Elsabeth
0.001953	1	9	2318	SEUGNET ^ Helie
0.007813	1	7	2548	SLABBERT ** Floris
0.03125	1	5	4995	SMIDT ** Marthinus Lourens
0.007813	1	7	1399	SMIT Jan\Johannes
0.003906	1	8	755	SWART Johannes
0.005859	3	9	115	TABOUREUX Catherine
0.007813	1	7	503	TOL Adriana

0.007813	2	8	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.03125	1	5	5709	UNKNOWNSURNAMEZ ** Unknownwomanz
0.007813	1	7	1772	VAN BENGALE Catharina OPKLIM
0.0625	1	4	5706	VAN DER KLOFF ** Adriaan
0.003906	1	8	64	VAN DER MERWE Willem Schalk
0.007813	1	7	2428	VAN DER POEL ** Pieter
0.003906	1	8	136	VAN DER WESTHUYSEN Pieter
0.001953	1	9	905	VAN DIE KAAP Catharina
0.015625	1	6	5713	VAN DIE KAAP Dorothea
0.007813	1	7	421	VAN LOVEREN ** Christina
0.007813	1	7	2437	VAN NIEKERK\VAN NIEUKERK ** Cornelis Gerritsz
0.007813	1	7	420	VAN ZIJL\ZYL Willem Willemsz
0.007813	1	7	879	VERMEULEN Jan Willemsz
0.007813	1	7	2429	VIANT ** Johanna
0.003906	2	9	2256	VILLIERS ^ Pierre
0.003906	1	8	513	WEIJAN Beatrice
0.007813	1	7	1888	WENDELS ** Elisabeth
0.007813	1	7	5013	WIESE ** Benjamin
0.03125	1	5	5711	WILDEMAN ** Albert
0.003906	1	8	137	WINKELHAUSEN Maria Hendriks
0.007813	1	7	2514	ZANK ** Sophia

Table A23: Deconstruct Output of J. F. Naude. Born 1889

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2323	AERTS ^ Jangten
0.015625	2	7	264	BECKER\BEKKER Peter
0.003906	2	9	246	BLEU ** Elisabeth
0.007813	1	7	619	BLIGNAULT Jean
0.019531	3	7.333333	439	BRIET Suzanne
0.007813	1	7	62	BURCHERDT Berndt
0.03125	3	6.666667	2640	CARTENIERS ** Jacomina
0.015625	2	7	110	CELLIER Josu·
0.005859	3	9	66	CLOETE Jacob
0.007813	2	8	263	COCHET Sara
0.007813	1	7	915	COUTEAU Marie
0.015625	2	7	111	COUVRET Elisabeth\Isabeau
0.023438	2	6.5	441	CRONIER Pierre
0.007813	2	8	266	DE CLERCQ Pieter
0.015625	1	6	2672	DE LEEUW ** Cornelis
0.007813	2	8	135	DE VOS Suzanne
0.007813	1	7	2674	DE WAAL ** Johannes
0.007813	1	7	2656	DE WET ** Jacobus
0.015625	4	8	116	DES RUELLES Daniel
0.021484	6	8.166667	2304	DU TOIT ^ Pierre
0.007813	1	7	322	GARDIOL Marguerite
0.001953	1	9	359	GERRITS Margaretha
0.015625	4	8	117	GOUDALLE Anne
0.03125	3	6.666667	2641	HACK\HAAK ** Johann Christoffel

0.007813	1	7	1816	HARMENSZ Trijnttje
0.015625	1	6	2693	HENDRIKS ** Hieronymus
0.007813	1	7	356	HERTZOG Matthias
0.015625	3	7.666667	2534	HOLSWIG ** Susanna
0.007813	2	8	134	JACOB Pierre
0.007813	1	7	2549	JASPERS ** Huybreghje
0.027344	3	7	2205	JOUBERT ** Pierre
0.003906	2	9	245	LE F⁄VRE ** David
0.007813	1	7	914	LOMBARD Pierre
0.015625	4	8	114	MARAIS Charles
0.03125	1	5	2649	MARTENS ** Joachim Heinrich
0.03125	2	6	124	MAR⁄ Ignace
0.015625	1	6	1867	NAUDE ** Jacob
0.015625	1	6	346	NIEUWOUDT Isaak
0.027344	8	8.25	2319	PELETREAUX ^Jeanne
0.003906	1	8	476	PRETORIUS Johannes
0.007813	2	8	243	PR⁄VOT Charles
0.005859	3	9	67	RADERGRƎTZ Sophia
0.023438	7	8.285714	2317	RETIEF ^ Marie
0.046875	7	7.285714	77	RETIF Anne
0.027344	3	7	2204	RICHARD ** Isabeau
0.007813	1	7	351	ROOS Johannes (Hans)
0.021484	6	8.166667	2305	ROUSELLE ^ Marie
0.023438	7	8.285714	2316	ROUSSEAU ^ Daniel
0.003906	1	8	2696	ROUX Marguerite
0.011719	2	7.5	595	ROUX Paul
0.015625	3	7.666667	2533	SACHS ** Joachim
0.007813	1	7	2695	SCHEFFER ** Jacob
0.003906	1	8	2257	SECAULT ^ Elsabeth
0.027344	8	8.25	2318	SEUGNET ^ Helie
0.007813	1	7	2548	SLABBERT ** Floris
0.015625	2	7	1399	SMIT Jan\Johannes
0.015625	4	8	115	TABOUREUX Catherine
0.019531	3	7.333333	1338	TAILLEFERT Isaac
0.015625	2	7	503	TOL Adriana
0.007813	1	7	2551	VAN AS ** Jannetjie
0.03125	3	6.666667	2639	VAN DEN BERG ** Jacobus
0.011719	3	8	64	VAN DER MERWE Willem Schalk
0.003906	1	8	353	VAN DER ZEE Catharina
0.007813	1	7	144	VAN DYK Joost Pietersz
0.007813	1	7	2673	VAN ECK\NECK ** Elisabeth
0.007813	1	7	2550	VAN HOETING ** Roelof
0.007813	1	7	1813	VAN NEGAPATNAM ** Maria
0.015625	2	7	132	VAN VUREN Gerrit (Janszoon)
0.003906	1	8	2322	VAN WYK ^ Arie
0.007813	1	7	145	VERBURGH Catharina
0.003906	1	8	477	VICTOR Johanna
0.003906	1	8	2256	VILLIERS ^ Pierre
0.003906	1	8	2697	VIRET ** Etienne

0.009766	2	8	358	VISSER Jan Coenraad
0.007813	1	7	357	WALDHORN Ilse Katherine

Table A24: Deconstruct Output of J. G. Strijdom. Born 1893

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.001953	1	9	501	ALBERT Susanne
0.007813	1	7	2082	BARENDS ** Grietjie
0.001953	1	9	246	BLEU ** Elisabeth
0.015625	1	6	1942	BLOM ** Jan Pieter
0.003906	1	8	374	BOSHOUWER Pieter
0.003906	2	9	247	BOTH Friedrich
0.001953	1	9	445	BOURBON Anne
0.0625	1	4	1920	BURGESS ** Francis
0.001953	1	9	1397	CAUCHETEUX\COSTEUX Isaie
0.003906	1	8	110	CELLIER Josué
0.001953	1	9	698	CLAASEN Cornelis
0.009766	4	8.75	676	CLEEF ** Nicolaus
0.006836	4	9.25	66	CLOETE Jacob
0.003906	1	8	756	COEN Margaretha Klaas-dogter
0.015625	3	7.666667	1952	CONTERMAN(N) ** Jan Jacob
0.003906	1	8	111	COUVRET Elisabeth\Isabeau
0.003906	1	8	290	DE BRUYN Theunis
0.003906	1	8	789	DE BUIS Jean
0.027344	5	7.6	1949	DE CLERCQ ** Jeanne
0.003906	1	8	177	DE GRAVE Marie
0.000977	2	11	87	DE LA HAYE ^ Anne
0.001953	2	10	81	DE SAVOYE Jacques
0.001953	1	9	135	DE VOS Suzanne
0.007813	1	7	1972	DE WEGE ** Gideon
0.000977	2	11	86	DU PONT ^ Denis
0.001953	1	9	201	FREDERIKS Isabella
0.001953	1	9	1814	GABRIELS Unknkownmanw
0.003906	1	8	171	GANZEVANGER Catharina
0.027344	5	7.6	1950	GAUCHER ** Andre
0.000977	1	10	359	GERRITS Margaretha
0.003906	1	8	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.007813	1	7	1967	GROBBELAAR\GROBLER ** Johan(n)
0.003906	2	9	102	HELM Hans
0.015625	1	6	2208	HEYDEMAN(N)\HEYNEMAN\HIDDEMAN ** Jan\Johann Dirk
0.007813	1	7	2253	HEYNS ** Paul
0.003906	1	8	1893	HOEFNAGELS ** Margaretha
0.003906	1	8	2238	HOFFMAN(N) ** Johannes
0.023438	2	6.5	1940	HUMAN(N) ** Jan
0.001953	1	9	134	JACOB Pierre
0.003906	2	9	248	KICKERS Maria
0.003906	1	8	2260	KNOETZEN\KNOETSE ** Cornelis
0.0625	1	4	2146	KRITZINGER ** Johan(n) Andries (Andreas)
0.03125	1	5	1914	KUUN ** Johann Daniel Wilhelm

0.006836	5	9.6	2308	LE FEBRE ^ Pierre
0.001953	1	9	245	LE FÉVRE ** David
0.001953	1	9	444	LE ROUX Pierre
0.003906	1	8	2239	LOUISZ Maria
0.007813	1	7	2231	LOURENS\LORENZ ** Jan\Johann
0.011719	2	7.5	97	MAARTENS Johanna
0.003906	1	8	498	MEYER Gerrit Heinrich
0.003906	1	8	2521	MICHIELS ** Matthys
0.001953	1	9	1812	MOUY Pierre
0.003906	1	8	757	NIEMANN Johan(n)
0.007813	1	7	2083	NOBEL ** Jan
0.019531	3	7.333333	1948	NORTIER\NOURTIER ** Daniel
0.003906	1	8	2314	OLIVIER ^ Cornelis
0.011719	2	7.5	96	OOSTHUYZEN Johannes
0.001953	1	9	2691	PIETERS -Anna
0.007813	1	7	605	PINARD Jacques
0.0625	1	4	1918	PITOUT ** Charles Joseph Twyfort
0.001953	1	9	200	POTGIETER Harmen Jansen
0.015625	3	7.666667	476	PRETORIUS Johannes
0.003906	1	8	243	PRÉVOT Charles
0.001953	1	9	539	PUTTER Dietrich
0.125	1	3	1908	QUINTON ** Richard John
0.006836	4	9.25	67	RADERGRÖTZ Sophia
0.005859	2	8.5	696	RAS Hans
0.000977	1	10	2317	RETIEF ^ Marie
0.000977	1	10	2316	ROUSSEAU ^ Daniel
0.003906	1	8	2101	SIEK ** Jonann
0.0625	1	4	1919	SLADE Elizabeth
0.001953	2	10	999	SNIJMAN Hans Christoffel
0.011719	2	7.5	651	STRYDOM Joost
0.003906	1	8	755	SWART Johannes
0.001953	1	9	2258	UNKNOWNSURNAMEB ^ Unknownwomanb
0.003906	1	8	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.005859	2	8.5	697	USBINGHS Angelina Catharina
0.003906	1	8	1772	VAN BENGALE Catharina OPKLIM
0.003906	1	8	2520	VAN DELFF\DEUT ** Isabella
0.013672	4	8.25	64	VAN DER MERWE Willem Schalk
0.001953	1	9	487	VAN EEDEN Jan Janse
0.007813	1	7	585	VAN HEERDEN Pieter Willem
0.007813	1	7	1971	VAN LOCHERENBERG ** Jan
0.015625	3	7.666667	1376	VAN MALABAR Helena
0.003906	2	9	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.001953	2	10	1000	VAN PALICATTE Catharina
0.006836	5	9.6	2309	VAN PLUS ^ Rachel
0.003906	1	8	578	VAN RENSBURG Claas Jansz
0.001953	1	9	2690	VAN WYK Unknownmanp
0.003906	1	8	879	VERMEULEN Jan Willemsz
0.003906	1	8	170	VERWEY Gysbert
0.015625	3	7.666667	477	VICTOR Johanna
0.023438	2	6.5	1939	VION Lysbeth

0.000977	1	10	358	VISSER Jan Coenraad
0.019531	3	7.333333	1947	VITOUT\VYTON ** Maria
0.003906	1	8	772	VON WIELLIGH Nikolaus
0.015625	3	7.666667	478	VOSLOO Johannes
0.003906	2	9	103	WILLEMSE Geertruy
0.003906	1	8	770	WILLEMSE Gerrit

Table A25: Deconstruct Output of C. R. Swart. Born 1894

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.000977	1	10	2323	AERTS ^ Jangten
0.001953	1	9	2298	ANDRIESZ Neeltje
0.003906	1	8	2288	APPEL ** Jurriaan Jansz
0.001953	1	9	2302	AVIENS ^ Heyletje
0.003906	1	8	2082	BARENDS ** Grietjie
0.003906	1	8	674	BASTIAANS ** Frans
0.007813	1	7	264	BECKER\BEKKER Peter
0.00293	2	9.5	380	BEZUIDENHOUT Wynand Leenderts
0.005859	2	8.5	511	BIBAULT Detlef
0.000977	1	10	246	BLEU ** Elisabeth
0.007813	1	7	678	BLOM ** Barend Pieterz
0.007813	1	7	1942	BLOM ** Jan Pieter
0.017578	5	8.2	247	BOTH Friedrich
0.003906	1	8	544	BRANDENBURG Jacoba
0.003906	1	8	154	BRU?RE Estienne
0.003906	1	8	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.001953	1	9	819	CAMPHER Lorenz
0.015625	1	6	2198	CASPARY ** Christiaan Godhelp
0.009766	3	8.333333	698	CLAASEN Cornelis
0.006836	5	9.6	66	CLOETE Jacob
0.003906	1	8	263	COCHET Sara
0.027344	7	8.285714	756	COEN Margaretha Klaas-dogter
0.003906	2	9	160	D'ATIS Cecilia
0.007813	1	7	2284	DE BEER ** Matthys Andries
0.003906	1	8	904	DE BERAULT Louis
0.013672	4	8.5	789	DE BUIS Jean
0.003906	1	8	266	DE CLERCQ Pieter
0.00293	2	9.5	1802	DE HAAS Guillaume
0.007813	1	7	360	DE JAGER Pieter Christiaan
0.001953	1	9	5442	DE JONKER ** Jan Andrieson
0.017578	3	7.666667	2091	DE LA BATTE ** Jeanne
0.001465	2	10.5	87	DE LA HAYE ^ Anne
0.003906	1	8	675	DE LEEUW Anna Maria
0.00293	2	9.5	81	DE SAVOYE Jacques
0.003906	1	8	839	DE VILLIERS Marie
0.007813	5	9.6	135	DE VOS Suzanne
0.001953	1	9	2303	DE WIT ^ Orphanfathera
0.003906	2	9	159	DES PR?S Hercule
0.003906	1	8	194	DU PLESSIS Jean Prieur
0.001465	2	10.5	86	DU PONT ^ Denis

0.001953	1	9	2252	DU PUY ** Jean
0.001953	1	9	2304	DU TOIT ^ Pierre
0.00293	2	9.5	1803	DURIER Maria Catharina
0.00293	2	9.5	764	ELBERTS Heinrich
0.003906	1	8	2287	FERDINANDUS ** Jannetje
0.007813	2	8	201	FREDERIKS Isabella
0.003906	2	9	171	GANZEVANGER Catharina
0.00293	2	9.5	381	GERRITS Jannetje
0.007813	6	9.833333	359	GERRITS Margaretha
0.001953	1	9	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.007813	1	7	342	GRILLION Marie
0.003906	1	8	153	GYSBERTS Teuntje
0.003906	1	8	2290	HARMANS ** Catharina
0.007813	1	7	1816	HARMENSZ Trijnttje
0.00293	2	9.5	102	HELM Hans
0.007813	1	7	2208	HEYDEMAN(N)\HEYNEMAN\HIDDEMAN ** Jan\Johann Dirk
0.003906	1	8	2253	HEYNS ** Paul
0.001953	1	9	1893	HOEFNAGELS ** Margaretha
0.007813	1	7	2265	HORSEL\GOSZELKE\ORSELKE ** Heinrich
0.007813	1	7	1940	HUMAN(N) ** Jan
0.007813	5	9.6	134	JACOB Pierre
0.001953	1	9	1316	JANS ** Trijntje (Catharina)
0.015625	1	6	2164	JANSEN - Jan Dirk
0.003906	1	8	2688	JANSZ ** Elizabeth
0.007813	1	7	2205	JOUBERT ** Pierre
0.007813	1	7	361	KARELSE Hermina
0.003906	1	8	2297	KEMP ** Nicolaas
0.007813	1	7	2225	KERVEL ** Jurgen
0.017578	5	8.2	248	KICKERS Maria
0.007813	1	7	2095	KIENS\KYNS ** Catharina
0.007813	1	7	465	KLOPPER Hendrik Frederik
0.03125	1	5	2146	KRITZINGER ** Johan(n) Andries (Andreas)
0.007813	1	7	2227	KRUGER\CRUGER ** Jacob
0.000977	1	10	245	LE F?VRE ** David
0.005859	2	8.5	305	LE ROUX Jean
0.015625	1	6	2168	LOOTS ** Jan
0.003906	1	8	2231	LOURENS\LORENZ ** Jan\Johann
0.003906	1	8	543	L?BE Barend
0.007813	1	7	97	MAARTENS Johanna
0.007813	1	7	343	MALHERBE Gideon
0.001953	1	9	1801	MARTIN Anne
0.001953	1	9	124	MAR? Ignace
0.005859	2	8.5	613	MATTHYSEN Dirkje
0.00293	2	9.5	763	MEINTJES Geertruyd
0.003906	1	8	195	MENANTEAU Madeleine
0.007813	1	7	2203	MEYER ** Willem
0.001953	1	9	2521	MICHIELS ** Matthys
0.023438	2	6.5	744	MOOLMAN Pieter
0.003906	1	8	838	MOUTON Jacques

0.017578	3	7.666667	2092	NIEL\NEL ** Guillaume
0.015625	4	8.25	757	NIEMANN Johan(n)
0.003906	1	8	2083	NOBEL ** Jan
0.007813	1	7	5212	NORTIER ** Jacques
0.011719	2	7.5	752	ODENTHAL Wilhelm
0.003906	2	9	2314	OLIVIER ^ Cornelis
0.007813	1	7	96	OOSTHUYZEN Johannes
0.001953	1	9	2319	PELETREAUX ^Jeanne
0.019531	2	7	2160	PETERS ** Barend
0.003906	1	8	2691	PIETERS -Anna
0.007813	2	8	200	POTGIETER Harmen Jansen
0.010742	4	8.75	476	PRETORIUS Johannes
0.001953	1	9	243	PR?VOT Charles
0.015625	6	8.833333	539	PUTTER Dietrich
0.003906	1	8	2235	PYL ** Abraham Bastiaansz
0.006836	5	9.6	67	RADERGR?TZ Sophia
0.003906	2	9	2317	RETIEF ^ Marie
0.003906	1	8	77	RETIF Anne
0.007813	1	7	2204	RICHARD ** Isabeau
0.007813	1	7	2212	ROBBERTS ** Pieter\Peter
0.001953	1	9	2305	ROUSELLE ^ Marie
0.003906	2	9	2316	ROUSSEAU ^ Daniel
0.003906	1	8	152	SCHEEPERS Coenraad
0.001953	1	9	2318	SEUGNET ^ Helie
0.001953	1	9	2101	SIEK ** Jonann
0.003906	1	8	1399	SMIT Jan\Johannes
0.00293	2	9.5	999	SNIJMAN Hans Christoffel
0.027344	7	8.285714	755	SWART Johannes
0.001953	1	9	2299	SWERISSE ** Lourens
0.00293	2	9.5	765	TER MOLLEN Aletta
0.003906	1	8	503	TOL Adriana
0.003906	2	9	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.001953	1	9	786	UNKNOWNSURNAMEQ Unknownwomanq
0.001953	1	9	5441	UNKNOWNSURNAMES Unknownwomans
0.003906	1	8	5454	UNKNOWNSURNAMEU Unknownmanu
0.005859	2	8.5	612	UYS Cornelis Jansz
0.007813	1	7	2224	VAN AARDE ** Gerrit
0.001953	1	9	2520	VAN DELFF\DEUT ** Isabella
0.007813	1	7	537	VAN DER LINDE Gerrit
0.009766	4	8.75	64	VAN DER MERWE Willem Schalk
0.003906	1	8	828	VAN DER SWAAN Gerrit
0.003906	1	8	277	VAN DEVENTER Gerrit Jansz
0.001953	1	9	1712	VAN DIE KAAP Ansela
0.003906	1	8	905	VAN DIE KAAP Catharina
0.003906	1	8	1110	VAN DIE KAAP Maria LOZEE
0.003906	1	8	487	VAN EEDEN Jan Janse
0.007813	1	7	2223	VAN GENZ ** Levina Theunis
0.003906	1	8	787	VAN LEEUWEN Cornelis
0.007813	1	7	421	VAN LOVEREN ** Christina
0.005859	2	8.5	754	VAN MADAGASKAR Diana

0.007813	2	8	1376	VAN MALABAR Helena
0.009766	3	8.333333	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.003906	1	8	168	VAN MARSEVEEN Pieter Jansz
0.00293	2	9.5	1000	VAN PALICATTE Catharina
0.003906	1	8	578	VAN RENSBURG Claas Jansz
0.007813	1	7	279	VAN ROOYEN Cornelis
0.001953	1	9	132	VAN VUREN Gerrit (Janszoon)
0.000977	1	10	2322	VAN WYK ^ Arie
0.003906	1	8	2690	VAN WYK Unknownmanp
0.007813	1	7	420	VAN ZIJL\ZYL Willem Willemsz
0.003906	2	9	170	VERWEY Gysbert
0.007813	2	8	477	VICTOR Johanna
0.003906	1	8	2233	VILLION ** Francois
0.007813	1	7	1939	VION Lysbeth
0.007813	6	9.833333	358	VISSER Jan Coenraad
0.003906	1	8	369	VIVIER Abraham
0.007813	1	7	772	VON WIELLIGH Nikolaus
0.007813	2	8	478	VOSLOO Johannes
0.005859	2	8.5	759	WESSELS Johannes (Jan)
0.00293	2	9.5	103	WILLEMSE Geertruy
0.015625	2	7	770	WILLEMSE Gerrit

Table A26: Deconstruct Output of J. J. Fouche. Born 1898

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	2517	ALBERTS ** Aaltjie
0.005859	3	9	2302	AVIENS ^ Heyletje
0.003906	1	8	2082	BARENDS ** Grietjie
0.003906	1	8	2518	BASSON ** Arnoldus Willemsz
0.019531	3	7.333333	264	BECKER\BEKKER Peter
0.001953	1	9	5455	BEEN\BEUN ** Anna Maria
0.007813	1	7	2596	BEUKES ** Jan
0.001953	1	9	840	BEVERNAGIE Francina
0.00293	4	10.5	246	BLEU ** Elisabeth
0.007813	2	8	247	BOTH Friedrich
0.011719	5	9	212	BRUERE ^ Anne
0.001953	1	9	62	BURCHERDT Berndt
0.001953	1	9	2546	CARSTENS\KARSTENS ** Johannes Hermanus\Hermann
0.009766	3	8.333333	2267	CLAAS\CLAASEN ** Alida\Aeltje
0.003906	2	9	698	CLAASEN Cornelis
0.015625	2	7	2388	CLAASEN\CLAUSZEN\CLASSZEN ** Claas\Claus\Claasz
0.00293	4	10.5	66	CLOETE Jacob
0.012695	5	8.8	263	COCHET Sara
0.001953	1	9	756	COEN Margaretha Klaas-dogter
0.014648	5	8.6	222	CORDIER Louis
0.001953	1	9	390	CORNELISSEN Evert
0.002441	2	10	160	D'ATIS Cecilia
0.007813	1	7	2284	DE BEER ** Matthys Andries

0.011719	4	8.5	266	DE CLERCQ Pieter
0.00293	2	9.5	177	DE GRAVE Marie
0.007813	2	8	2091	DE LA BATTE ** Jeanne
0.000977	1	10	87	DE LA HAYE ^ Anne
0.003906	1	8	1811	DE MAKER Matthys\Mattheus
0.001953	1	9	81	DE SAVOYE Jacques
0.000977	1	10	135	DE VOS Suzanne
0.015625	1	6	2558	DE WINNAAR ** Jan
0.005859	3	9	2303	DE WIT ^ Orphanfathera
0.002441	2	10	159	DES PR/S Hercule
0.007813	1	7	2599	DIEDERICHS ** Jacob
0.000977	1	10	86	DU PONT ^ Denis
0.003906	1	8	2576	DU PRE ** Marie Jeanne
0.000488	1	11	2304	DU TOIT ^ Pierre
0.007813	1	7	2085	ERASMUS ** Pieter
0.001953	1	9	257	ERNST Margaretha\Maria
0.007813	1	7	2079	FERREYN\VERREYNE ** Thomas
0.011719	5	9	211	FOUCHER ^ Bernard
0.015625	2	7	2384	FRAPPE ** Hendrik
0.003906	1	8	201	FREDERIKS Isabella
0.00293	2	9.5	171	GANZEVANGER Catharina
0.003906	1	8	322	GARDIOL Marguerite
0.009766	5	9	5445	GERRITS ** Greetjen
0.000488	1	11	359	GERRITS Margaretha
0.001953	1	9	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.003906	1	8	50	GREEFF Matthias
0.007813	2	8	342	GRILLION Marie
0.011719	6	9.166667	102	HELM Hans
0.001953	1	9	5173	HENDRIKS Hendrika
0.001953	1	9	1893	HOEFNAGELS ** Margaretha
0.003906	1	8	2534	HOLSWIG ** Susanna
0.000977	1	10	134	JACOB Pierre
0.001953	1	9	2276	JACOBSZ ** Claas
0.000977	1	10	2553	JANSEN ** Helena
0.001953	1	9	5172	JANSZ ** Steven
0.001953	1	9	2549	JASPERS ** Huybreghje
0.007813	1	7	2084	JOOSTE ** Maria Elisabeth
0.003906	1	8	2205	JOUBERT ** Pierre
0.003906	2	9	5446	JOURDAN ^ Pierre
0.007813	2	8	248	KICKERS Maria
0.005859	2	8.5	2095	KIENS\KYNS ** Catharina
0.007813	1	7	465	KLOPPER Hendrik Frederik
0.007813	2	8	2260	KNOETZEN\KNOETSE ** Cornelis
0.015625	1	6	2362	KOEN ** Johannes Casparus
0.003906	1	8	5174	KREUTZMANN ** Arnolidus
0.007813	1	7	2566	KRIEL ** Hermanus
0.007813	1	7	69	KUTZER Jacob
0.03125	2	6	2382	LAMPRECHT ** Johan Christiaan
0.001465	2	10.5	2308	LE FEBRE ^ Pierre

0.00293	4	10.5	245	LE F⁄VRE ** David
0.007813	2	8	319	LE LONG\LONGUE Isabeau
0.007813	1	7	2168	LOOTS ** Jan
0.003906	1	8	320	MALAN Jacques
0.007813	2	8	343	MALHERBE Gideon
0.003906	2	9	2591	MARTHE ** Jeanne
0.014648	5	8.6	223	MARTINET Fran輟ise
0.015625	4	8	455	MATTHYSE Maria
0.015625	1	6	2539	MEYER ** Johann Georg
0.003906	1	8	2521	MICHIELS ** Matthys
0.001953	1	9	838	MOUTON Jacques
0.003906	1	8	2516	MYBURGH ** Lambert
0.007813	2	8	2092	NIEL\NEL ** Guillaume
0.001953	1	9	757	NIEMANN Johan(n)
0.003906	1	8	2083	NOBEL ** Jan
0.005859	2	8.5	1948	NORTIER\NOURTIER ** Daniel
0.001953	1	9	570	OBERHOLSTER Jan\Johann
0.010742	6	9.166667	2314	OLIVIER ^ Cornelis
0.011719	2	7.5	2088	OTTO ** Michiel\Michael
0.008789	3	8.666667	219	PAILLEVERT ^ Anne
0.001953	1	9	2319	PELETREAUX ^Jeanne
0.001953	1	9	2691	PIETERS -Anna
0.011719	4	8.5	605	PINARD Jacques
0.003906	1	8	200	POTGIETER Harmen Jansen
0.009766	3	8.333333	476	PRETORIUS Johannes
0.009766	3	8.333333	2266	PRINSLOO ** Adriaan Gerrits
0.005859	4	9.5	243	PR⁄VOT Charles
0.000977	1	10	539	PUTTER Dietrich
0.003906	1	8	2235	PYL ** Abraham Bastiaansz
0.00293	4	10.5	67	RADERGRƎTZ Sophia
0.001953	1	9	696	RAS Hans
0.00293	2	9.5	2317	RETIEF ^ Marie
0.001953	1	9	77	RETIF Anne
0.003906	1	8	2204	RICHARD ** Isabeau
0.015625	4	8	2506	RICHMANN ** Johannes
0.001953	1	9	2275	RIJKS ** Aagje
0.000488	1	11	2305	ROUSELLE ^ Marie
0.00293	2	9.5	2316	ROUSSEAU ^ Daniel
0.003906	1	8	595	ROUX Paul
0.003906	1	8	2533	SACHS ** Joachim
0.001953	1	9	2257	SECAULT ^ Elsabeth
0.001953	1	9	2318	SEUGNET ^ Helie
0.007813	3	8.666667	2101	SIEK ** Jonann
0.001953	1	9	2548	SLABBERT ** Floris
0.007813	2	8	1399	SMIT Jan\Johannes
0.001953	1	9	999	SNIJMAN Hans Christoffel
0.008789	3	8.666667	218	SOUCHAY ^ Paul
0.03125	1	5	2490	STEENBERG\STEINBERG ** Jan\Johann Joost\Jost

0.003906	1	8	5171	STEENTS Christina
0.007813	1	7	2531	SWANEPOEL ** Pieter Jansz
0.001953	1	9	755	SWART Johannes
0.003906	1	8	2577	THEROND ** Jacques
0.007813	2	8	503	TOL Adriana
0.010742	6	9.166667	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.000488	1	11	2555	UNKNOWNSURNAMEO ** Unknownwomano
0.001953	1	9	697	USBINGHS Angelina Catharina
0.03125	2	6	2386	UWENS\IWENS ** Dirk
0.001953	1	9	2551	VAN AS ** Jannetjie
0.000488	1	11	2554	VAN AS ** Johannes
0.003906	1	8	2519	VAN BENGALE Angela
0.003906	1	8	2520	VAN DELFF\DEUT ** Isabella
0.007813	1	7	2698	VAN DEN BRINK ** Warnar
0.003906	1	8	2099	VAN DER HEYDE ** Jacobus
0.005859	4	9.5	64	VAN DER MERWE Willem Schalk
0.003906	1	8	2542	VAN DER NEST ** Hendrik
0.005859	2	8.5	136	VAN DER WESTHUYSEN Pieter
0.011719	3	8	277	VAN DEVENTER Gerrit Jansz
0.003906	1	8	487	VAN EEDEN Jan Janse
0.003906	1	8	585	VAN HEERDEN Pieter Willem
0.001953	1	9	2550	VAN HOETING ** Roelof
0.007813	1	7	2562	VAN JAARSVELD ** Adriaan
0.007813	1	7	421	VAN LOVEREN ** Christina
0.003906	2	9	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.000977	1	10	168	VAN MARSEVEEN Pieter Jansz
0.001953	1	9	1000	VAN PALICATTE Catharina
0.001465	2	10.5	2309	VAN PLUS ^ Rachel
0.007813	1	7	279	VAN ROOYEN Cornelis
0.005859	2	8.5	256	VAN STADEN Maarten
0.001953	1	9	2690	VAN WYK Unknownmanp
0.007813	1	7	420	VAN ZIJL\ZYL Willem Willemsz
0.00293	2	9.5	170	VERWEY Gysbert
0.009766	3	8.333333	477	VICTOR Johanna
0.001953	1	9	2256	VILLIERS ^ Pierre
0.005859	2	8.5	2096	VISAGIE ** Pieter
0.010254	6	9.333333	358	VISSER Jan Coenraad
0.005859	2	8.5	1947	VITOUT\VYTON ** Maria
0.003906	1	8	772	VON WIELLIGH Nikolaus
0.001953	1	9	478	VOSLOO Johannes
0.003906	1	8	2098	VROOM ** Abigael
0.007813	1	7	2522	WALTERS ** Samuel
0.011719	6	9.166667	103	WILLEMSE Geertruy
0.003906	1	8	770	WILLEMSE Gerrit
0.001953	1	9	391	WILLEMSE Maria
0.003906	1	8	2700	WILLEMSZ ** Catharina
0.005859	2	8.5	137	WINKELHAUSEN Maria Hendriks
0.007813	1	7	2514	ZANK ** Sophia

Table A27: Deconstruct Output of E. Schoonbie. Born 1901

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.03125	1	5	5322	(DE) LANGE ** Johann Heinrich
0.009766	6	9.333333	2323	AERTS ^ Jangten
0.015625	1	6	5308	BAUER ** Johann Ludwig
0.007813	2	8	264	BECKER\BEKKER Peter
0.007813	1	7	380	BEZUIDENHOUT Wynand Leenderts
0.005859	5	9.8	246	BLEU ** Elisabeth
0.015625	3	7.666667	678	BLOM ** Barend Pieterz
0.007813	1	7	5806	BOOYSEN ** Boy
0.007813	1	7	374	BOSHOUWER Pieter
0.011719	2	7.5	544	BRANDENBURG Jacoba
0.011719	2	7.5	439	BRIET Suzanne
0.00293	2	9.5	212	BRUERE ^ Anne
0.0625	1	4	5769	BRUMMER ** Johann Wichard
0.011719	3	8	62	BURCHERDT Berndt
0.011719	3	8	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.003906	1	8	819	CAMPHER Lorenz
0.007813	1	7	5437	CAMPHER\KAMFER Agnita
0.007813	1	7	676	CLEEF ** Nicolaus
0.007813	8	10	66	CLOETE Jacob
0.003906	2	9	263	COCHET Sara
0.011719	4	8.5	222	CORDIER Louis
0.015625	1	6	5227	CRAFFORD ** Dirk Willem
0.001953	1	9	160	D'ATIS Cecilia
0.007813	1	7	2284	DE BEER ** Matthys Andries
0.007813	3	8.666667	904	DE BERAULT Louis
0.015625	1	6	290	DE BRUYN Theunis
0.003906	2	9	266	DE CLERCQ Pieter
0.007813	1	7	2091	DE LA BATTE ** Jeanne
0.001953	1	9	87	DE LA HAYE ^ Anne
0.003906	1	8	81	DE SAVOYE Jacques
0.008789	4	9	135	DE VOS Suzanne
0.001953	1	9	159	DES PR/S Hercule
0.005859	2	8.5	116	DES RUELLES Daniel
0.001953	1	9	86	DU PONT ^ Denis
0.007813	3	8.666667	2304	DU TOIT ^ Pierre
0.015625	2	7	5188	DURAND ** Jean
0.003906	1	8	1806	ECKHOFF Heinrich
0.00293	2	9.5	211	FOUCHER ^ Bernard
0.003906	1	8	1814	GABRIELS Unknkownmanw
0.007813	1	7	381	GERRITS Jannetje
0.003906	1	8	359	GERRITS Margaretha
0.005859	2	8.5	117	GOUDALLE Anne
0.019531	6	8.333333	102	HELM Hans
0.003906	1	8	818	HILLEBRANDT Catharina
0.008789	4	9	134	JACOB Pierre
0.015625	5	8.4	1316	JANS ** Trijntje (Catharina)
0.023438	4	7.5	2205	JOUBERT ** Pierre

0.007813	1	7	2260	KNOETZEN\KNOETSE ** Cornelis
0.003906	1	8	2308	LE FEBRE ^ Pierre
0.005859	5	9.8	245	LE F/VRE ** David
0.011719	2	7.5	543	LƎBE Barend
0.005859	2	8.5	114	MARAIS Charles
0.003906	1	8	617	MARQUARDT Margaretha
0.011719	4	8.5	223	MARTINET Fran輟ise
0.003906	1	8	613	MATTHYSEN Dirkje
0.003906	1	8	616	MƎLLER Heinrich Christoffel
0.023438	2	6.5	1867	NAUDE ** Jacob
0.007813	1	7	2092	NIEL\NEL ** Guillaume
0.003906	1	8	5312	PASMANN ** Wemmer
0.007813	3	8.666667	2319	PELETREAUX ^Jeanne
0.005859	2	8.5	605	PINARD Jacques
0.019531	3	7.333333	476	PRETORIUS Johannes
0.007813	4	9	243	PR/VOT Charles
0.007813	1	7	539	PUTTER Dietrich
0.007813	8	10	67	RADERGRƎTZ Sophia
0.001953	1	9	2317	RETIEF ^ Marie
0.003906	1	8	77	RETIF Anne
0.023438	4	7.5	2204	RICHARD ** Isabeau
0.007813	3	8.666667	2305	ROUSELLE ^ Marie
0.001953	1	9	2316	ROUSSEAU ^ Daniel
0.0625	1	4	5759	SCHOOMBIE ** Andries Godlieb
0.007813	3	8.666667	2318	SEUGNET ^ Helie
0.011719	3	8	1399	SMIT Jan\Johannes
0.015625	1	6	5784	STRIEGEL ** Conraad
0.005859	2	8.5	115	TABOUREUX Catherine
0.011719	2	7.5	1338	TAILLEFERT Isaac
0.001953	1	9	2097	TERRIER ** Daniel
0.011719	3	8	503	TOL Adriana
0.015625	1	6	5809	UNKNOWNSURNAMEA Unknownmana
0.003906	1	8	612	UYS Cornelis Jansz
0.003906	1	8	1772	VAN BENGALE Catharina OPKLIM
0.015625	8	9	64	VAN DER MERWE Willem Schalk
0.007813	1	7	828	VAN DER SWAAN Gerrit
0.003906	1	8	1712	VAN DIE KAAP Ansela
0.007813	3	8.666667	905	VAN DIE KAAP Catharina
0.003906	1	8	585	VAN HEERDEN Pieter Willem
0.003906	1	8	421	VAN LOVEREN ** Christina
0.019531	3	7.333333	1376	VAN MALABAR Helena
0.003906	1	8	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.007813	1	7	5807	VAN NES ** Hermina
0.003906	1	8	2309	VAN PLUS ^ Rachel
0.009766	6	9.333333	2322	VAN WYK ^ Arie
0.003906	1	8	420	VAN ZIJL\ZYL Willem Willemsz
0.007813	1	7	4941	VENTER ** Hendrik

0.003906	1	8	879	VERMEULEN Jan Willemsz
0.019531	3	7.333333	477	VICTOR Johanna
0.007813	2	8	2233	VILLION ** Francois
0.003906	1	8	358	VISSER Jan Coenraad
0.003906	1	8	369	VIVIER Abraham
0.007813	1	7	2029	VORSTER\FORSTER ** Jan\Hans
0.019531	3	7.333333	478	VOSLOO Johannes
0.019531	6	8.333333	103	WILLEMSE Geertruy

Table A28: Deconstruct Output of C. H. Rautenbach. Born 1902

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.003906	1	8	5196	ABRAHAMSZ ** Johanna
0.001465	2	10.5	2323	AERTS ^ Jangten
0.001953	1	9	313	ALBERTSZ ^ Pieter
0.007813	5	9.4	2302	AVIENS ^ Heyletje
0.003906	1	8	5132	BACOT ** Anna Maria
0.007813	1	7	5144	BADENHORST ** Caspar Heinrich
0.003906	1	8	311	BARNARD Johannes
0.000977	1	10	5455	BEEN\BEUN ** Anna Maria
0.007813	1	7	5130	BESSELAME ** Elisabeth
0.003906	1	8	2596	BEUKES ** Jan
0.001953	1	9	388	BEYERS Andries
0.000977	1	10	246	BLEU ** Elisabeth
0.003906	1	8	678	BLOM ** Barend Pieterz
0.001953	1	9	5162	BOONE ** Dirk
0.025391	12	8.916667	247	BOTH Friedrich
0.001953	1	9	439	BRIET Suzanne
0.001953	1	9	899	BRITS Hans Jacob
0.00293	3	10	212	BRUERE ^ Anne
0.001953	1	9	62	BURCHERDT Berndt
0.003906	1	8	2546	CARSTENS\KARSTENS ** Johannes Hermanus\Hermann
0.007813	2	8	2640	CARTENIERS ** Jacomina
0.007813	1	7	2198	CASPARY ** Christiaan Godhelp
0.005859	2	8.5	2267	CLAAS\CLAASEN ** Alida\Aeltje
0.00293	2	9.5	698	CLAASEN Cornelis
0.000977	1	10	676	CLEEF ** Nicolaus
0.002441	3	10.33333	66	CLOETE Jacob
0.003906	1	8	756	COEN Margaretha Klaas-dogter
0.003906	1	8	52	COETZEE Dirk
0.001953	1	9	1952	CONTERMAN(N) ** Jan Jacob
0.010742	5	9	222	CORDIER Louis
0.00293	2	9.5	390	CORNELISSEN Evert
0.007813	1	7	5227	CRAFFORD ** Dirk Willem
0.003906	1	8	441	CRONIER Pierre
0.004883	3	9.333333	160	D'ATIS Cecilia
0.003906	1	8	2284	DE BEER ** Matthys Andries
0.001953	1	9	904	DE BERAULT Louis
0.001953	1	9	1949	DE CLERCQ ** Jeanne
0.009766	3	8.333333	177	DE GRAVE Marie
0.001953	1	9	1802	DE HAAS Guillaume

0.003906	1	8	2091	DE LA BATTE ** Jeanne
0.003418	7	11	87	DE LA HAYE ^ Anne
0.006836	7	10	81	DE SAVOYE Jacques
0.003906	1	8	4959	DE SWARDT ** Ernst Frederik
0.003906	2	9	839	DE VILLIERS Marie
0.00293	2	9.5	135	DE VOS Suzanne
0.007813	1	7	5219	DE VRIJ ** Cornelia
0.007813	5	9.4	2303	DE WIT ^ Orphanfathera
0.015625	2	7	5197	DEPNER ** Johann Martin
0.004883	3	9.333333	159	DES PR?S Hercule
0.001953	1	9	194	DU PLESSIS Jean Prieur
0.003418	7	11	86	DU PONT ^ Denis
0.000977	1	10	2304	DU TOIT ^ Pierre
0.003906	1	8	5188	DURAND ** Jean
0.001953	1	9	1803	DURIER Maria Catharina
0.003906	1	8	409	ESTERHUIZEN Christoffel
0.023438	2	6.5	268	FERREIRA Ignacio Leopold
0.00293	3	10	211	FOUCHER ^ Bernard
0.009766	3	8.333333	221	FOURIE Louis
0.003906	2	9	201	FREDERIKS Isabella
0.000977	1	10	1814	GABRIELS Unknkownmanw
0.000977	1	10	171	GANZEVANGER Catharina
0.001953	1	9	1950	GAUCHER ** Andre
0.001953	1	9	5239	GERRITS ** Gerrit
0.004395	4	10	5445	GERRITS ** Greetjen
0.003906	1	8	547	GERRITS Caspar
0.001953	2	10	359	GERRITS Margaretha
0.001953	1	9	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.011719	2	7.5	1967	GROBBELAAR\GROBLER ** Johan(n)
0.007813	1	7	5103	HAARHOF ** Frans
0.007813	2	8	2641	HACK\HAAK ** Johann Christoffel
0.009766	6	9.333333	102	HELM Hans
0.000977	1	10	5173	HENDRIKS Hendrika
0.001953	1	9	1893	HOEFNAGELS ** Margaretha
0.007813	3	8.666667	2534	HOLSWIG ** Susanna
0.007813	1	7	216	HOLTZHAUSEN Johann Andreas
0.011719	2	7.5	1940	HUMAN(N) ** Jan
0.00293	2	9.5	134	JACOB Pierre
0.00293	2	9.5	1316	JANS ** Trijntje (Catharina)
0.001953	1	9	2553	JANSEN ** Helena
0.000977	1	10	5172	JANSZ ** Steven
0.011719	3	8	2205	JOUBERT ** Pierre
0.025391	12	8.916667	248	KICKERS Maria
0.003906	1	8	2095	KIENS\KYNS ** Catharina
0.003906	1	8	465	KLOPPER Hendrik Frederik
0.009766	3	8.333333	2260	KNOETZEN\KNOETSE ** Cornelis
0.003906	1	8	5160	KOTZE ** Johann
0.003906	1	8	5153	KOUTHOF ** Femmetje
0.001953	1	9	5174	KREUTZMANN ** Arnolidus
0.003906	1	8	5187	KUNE ** Hans
0.003906	1	8	5131	LABUSCHAGNE ** Pieter

0.005371	4	9.75	2308	LE FEBRE ^ Pierre
0.000977	1	10	245	LE F?VRE ** David
0.003906	1	8	207	LE RICHE Louis
0.003906	1	8	305	LE ROUX Jean
0.007813	1	7	2168	LOOTS ** Jan
0.007813	2	8	97	MAARTENS Johanna
0.010742	5	9	223	MARTINET Fran?ise
0.003906	1	8	5147	MATTHYS Unknown
0.001953	1	9	455	MATTHYSE Maria
0.001953	1	9	195	MENANTEAU Madeleine
0.003906	1	8	2203	MEYER ** Willem
0.003906	1	8	5152	MEYHUYZEN ** Godfried
0.003906	2	9	838	MOUTON Jacques
0.015625	1	6	5107	MULLER ** Michael
0.003906	1	8	5120	NEEFF ** Hendrik
0.003906	1	8	2092	NIEL\NEL ** Guillaume
0.003906	1	8	757	NIEMANN Johan(n)
0.007813	1	7	5235	NIEUWENHUIZEN ** Jan Jansz
0.007813	2	8	5212	NORTIER ** Jacques
0.001953	1	9	1948	NORTIER\NOURTIER ** Daniel
0.002441	3	10.33333	2314	OLIVIER ^ Cornelis
0.007813	2	8	96	OOSTHUYZEN Johannes
0.001953	1	9	314	OTTENS ^ Marritje
0.000977	1	10	219	PAILLEVERT ^ Anne
0.000977	1	10	2319	PELETREAUX ^Jeanne
0.001953	1	9	2691	PIETERS -Anna
0.003906	2	9	605	PINARD Jacques
0.003906	2	9	200	POTGIETER Harmen Jansen
0.005859	2	8.5	2266	PRINSLOO ** Adriaan Gerrits
0.001953	1	9	243	PR?VOT Charles
0.003906	2	9	539	PUTTER Dietrich
0.005859	2	8.5	2235	PYL ** Abraham Bastiaansz
0.002441	3	10.33333	67	RADERGR?TZ Sophia
0.000977	1	10	696	RAS Hans
0.03125	1	5	490	RAUTENBACH Georg Friedrich
0.001953	2	10	2317	RETIEF ^ Marie
0.011719	3	8	2204	RICHARD ** Isabeau
0.001953	1	9	2506	RICHMANN ** Johannes
0.000977	1	10	2305	ROUSELLE ^ Marie
0.001953	2	10	2316	ROUSSEAU ^ Daniel
0.007813	3	8.666667	2533	SACHS ** Joachim
0.003906	1	8	5195	SCHENK ** Arend
0.007813	2	8	5199	SCHMIDT ** Christian
0.001953	1	9	2301	SCHMIDT ** Heinrich Evert
0.015625	1	6	5179	SCHOEMAN ** Daniel Jo(a)chim
0.000977	1	10	2318	SEUGNET ^ Helie
0.001953	1	9	1399	SMIT Jan\Johannes
0.006836	7	10	999	SNIJMAN Hans Christoffel
0.000977	1	10	218	SOUCHAY ^ Paul
0.001953	1	9	549	SPELDENBERG Hendrik
0.001953	1	9	5171	STEENTS Christina
0.001953	1	9	651	STRYDOM Joost

0.007813	1	7	2531	SWANEPOEL ** Pieter Jansz
0.003906	1	8	755	SWART Johannes
0.001953	1	9	1338	TAILLEFERT Isaac
0.011719	2	7.5	292	TERREBLANQUE Estienne
0.005859	2	8.5	2097	TERRIER ** Daniel
0.001953	1	9	503	TOL Adriana
0.007813	1	7	5184	TREGARD ** Carolus Gustav
0.002441	3	10.33333	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.000977	1	10	2555	UNKNOWNSURNAMEO ** Unknownwomano
0.001953	1	9	2300	UNKNOWNSURNAMET Unknownwomant
0.001953	1	9	2736	UNKNOWNSURNAMEV Unknownwomanv
0.000977	1	10	697	USBINGHS Angelina Catharina
0.000977	1	10	2554	VAN AS ** Johannes
0.003906	1	8	692	VAN BELEN Jan Jans
0.001953	1	9	5238	VAN BOMBASA Susanna
0.007813	2	8	2639	VAN DEN BERG ** Jacobus
0.003906	1	8	1805	VAN DEN BOSCH Engeltie
0.003906	1	8	1804	VAN DEN BURGH Hans Carelse
0.001953	1	9	2099	VAN DER HEYDE ** Jacobus
0.004883	3	9.333333	64	VAN DER MERWE Willem Schalk
0.003906	1	8	53	VAN DER SCHULP Sara
0.007813	1	7	5135	VAN DER VYVER ** Willem
0.015625	1	6	5143	VAN DER WATH Judith
0.015625	5	8.4	277	VAN DEVENTER Gerrit Jansz
0.001953	1	9	905	VAN DIE KAAP Catharina
0.003906	2	9	487	VAN EEDEN Jan Janse
0.001953	1	9	5163	VAN GAALEN ** Belletje
0.001953	1	9	421	VAN LOVEREN ** Christina
0.003906	3	9.666667	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.001953	1	9	168	VAN MARSEVEEN Pieter Jansz
0.006836	7	10	1000	VAN PALICATTE Catharina
0.005371	4	9.75	2309	VAN PLUS ^ Rachel
0.007813	2	8	578	VAN RENSBURG Claas Jansz
0.023438	4	7.5	279	VAN ROOYEN Cornelis
0.005859	2	8.5	256	VAN STADEN Maarten
0.007813	1	7	5220	VAN TONDEREN ** Andreas Cornelisz
0.001465	2	10.5	2322	VAN WYK ^ Arie
0.001953	1	9	2690	VAN WYK Unknownmanp
0.001953	1	9	420	VAN ZIJL\ZYL Willem Willemsz
0.000977	1	10	170	VERWEY Gysbert
0.011719	2	7.5	1939	VION Lysbeth
0.006348	6	10	358	VISSER Jan Coenraad
0.001953	1	9	1947	VITOUT\VYTON ** Maria
0.003906	1	8	369	VIVIER Abraham
0.015625	1	6	5233	VLOTMAN Anna Margaretha
0.000977	1	10	478	VOSLOO Johannes
0.015625	1	6	5123	VREY ** Bernardus
0.001953	1	9	389	VRYMAN Catharina
0.007813	1	7	5221	WANSENBURG ** Coenraad Christoffel
0.009766	6	9.333333	103	WILLEMSE Geertruy
0.00293	2	9.5	391	WILLEMSE Maria

0.005859	2	8.5	2700 WILLEMSZ ** Catharina

Table A29: Deconstruct Output of N. J. Diederichs. Born 1903

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.001953	2	10	2323	AERTS ^ Jangten
0.000977	1	10	2302	AVIENS ^ Heyletje
0.003906	1	8	2082	BARENDS ** Grietjie
0.007813	1	7	264	BECKER\BEKKER Peter
0.003906	1	8	388	BEYERS Andries
0.001953	1	9	380	BEZUIDENHOUT Wynand Leenderts
0.001953	1	9	374	BOSHOUWER Pieter
0.011719	6	9.166667	247	BOTH Friedrich
0.003906	1	8	544	BRANDENBURG Jacoba
0.001953	1	9	899	BRITS Hans Jacob
0.004883	2	9	212	BRUERE ^ Anne
0.001953	1	9	62	BURCHERDT Berndt
0.003906	1	8	2267	CLAAS\CLAASEN ** Alida\Aeltje
0.000977	1	10	698	CLAASEN Cornelis
0.007813	1	7	2388	CLAASEN\CLAUSZEN\CLASSZEN ** Claas\Claus\Claasz
0.002441	4	10.75	66	CLOETE Jacob
0.003906	1	8	263	COCHET Sara
0.001953	1	9	756	COEN Margaretha Klaas-dogter
0.003906	1	8	52	COETZEE Dirk
0.003906	1	8	222	CORDIER Louis
0.003906	2	9	915	COUTEAU Marie
0.0625	1	4	5643	DE BRUYN Jacob Daniel Theunis
0.003906	1	8	266	DE CLERCQ Pieter
0.013672	5	8.6	177	DE GRAVE Marie
0.0625	1	4	5645	DE JAGER Carel Pieter
0.0625	1	4	5646	DE JAGER Gezina Catharina
0.001465	4	11.5	87	DE LA HAYE ^ Anne
0.00293	4	10.5	81	DE SAVOYE Jacques
0.005859	2	8.5	135	DE VOS Suzanne
0.000977	1	10	2303	DE WIT ^ Orphanfathera
0.015625	1	6	5197	DEPNER ** Johann Martin
0.015625	1	6	2599	DIEDERICHS ** Jacob
0.001465	4	11.5	86	DU PONT ^ Denis
0.001953	2	10	257	ERNST Margaretha\Maria
0.007813	1	7	268	FERREIRA Ignacio Leopold
0.004883	2	9	211	FOUCHER ^ Bernard
0.007813	1	7	221	FOURIE Louis
0.007813	4	9	201	FREDERIKS Isabella
0.000977	1	10	1814	GABRIELS Unknkownmanw
0.00293	2	9.5	171	GANZEVANGER Catharina
0.000488	1	11	5445	GERRITS ** Greetjen
0.001953	1	9	381	GERRITS Jannetje
0.003418	3	10	359	GERRITS Margaretha
0.001953	1	9	294	GERRITS Pietertje

0.015625	1	6	5653	GEYSER ** Hendrik
0.001953	1	9	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.001953	1	9	2848	GORINGHAICONA VAN DIE KAAP Eva
0.007813	1	7	1967	GROBBELAAR\GROBLER ** Johan(n)
0.007813	1	7	5103	HAARHOF ** Frans
0.007813	1	7	885	HARMENSZ HARTING Johan
0.008789	5	9.2	102	HELM Hans
0.007813	1	7	2208	HEYDEMAN(N)\HEYNEMAN\HIDDEMAN ** Jan\Johann Dirk
0.003906	1	8	2253	HEYNS ** Paul
0.001953	1	9	1893	HOEFNAGELS ** Margaretha
0.003906	1	8	2534	HOLSWIG ** Susanna
0.0625	1	4	5644	HUMAN Christina Maria
0.007813	1	7	1940	HUMAN(N) ** Jan
0.005859	2	8.5	134	JACOB Pierre
0.003906	2	9	1316	JANS ** Trijntje (Catharina)
0.001953	1	9	5446	JOURDAN ^ Pierre
0.011719	6	9.166667	248	KICKERS Maria
0.007813	2	8	2260	KNOETZEN\KNOETSE ** Cornelis
0.003906	1	8	5683	KOOPMAN ** Bartholomeus Jansz
0.03125	1	5	5693	KRIEK ** Johann Christian
0.007813	1	7	56	LATEGAN Johann Hermann
0.006836	5	9.6	2308	LE FEBRE ^ Pierre
0.003906	1	8	543	LÖBE Barend
0.007813	1	7	5658	LOEFKE Susanna
0.003906	2	9	914	LOMBARD Pierre
0.001953	1	9	2591	MARTHE ** Jeanne
0.003906	1	8	223	MARTINET Françoise
0.015625	1	6	300	MARX Dirk
0.125	1	3	5630	MYBURG Martha Margaretha Magdalena
0.001953	1	9	757	NIEMANN Johan(n)
0.003906	1	8	2083	NOBEL ** Jan
0.007813	2	8	1948	NORTIER\NOURTIER ** Daniel
0.003418	3	10	2314	OLIVIER ^ Cornelis
0.000977	1	10	219	PAILLEVERT ^ Anne
0.015625	3	7.666667	605	PINARD Jacques
0.007813	4	9	200	POTGIETER Harmen Jansen
0.003906	1	8	2266	PRINSLOO ** Adriaan Gerrits
0.006836	3	9	539	PUTTER Dietrich
0.001953	1	9	2235	PYL ** Abraham Bastiaansz
0.007813	1	7	5476	RABIE ** Christiaan
0.015625	1	6	5694	RADEMEYER ** Cunradus Jacobus
0.002441	4	10.75	67	RADERGRÖTZ Sophia
0.003906	1	8	2533	SACHS ** Joachim
0.007813	1	7	5199	SCHMIDT ** Christian
0.001953	1	9	2101	SIEK ** Jonann
0.003906	1	8	1399	SMIT Jan\Johannes
0.00293	4	10.5	999	SNIJMAN Hans Christoffel
0.000977	1	10	218	SOUCHAY ^ Paul
0.001953	1	9	293	STEVENS Joost

0.007813	1	7	2531	SWANEPOEL ** Pieter Jansz
0.001953	1	9	755	SWART Johannes
0.003906	1	8	292	TERREBLANQUE Estienne
0.011719	2	7.5	2097	TERRIER ** Daniel
0.003906	1	8	503	TOL Adriana
0.003418	3	10	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.001953	1	9	5454	UNKNOWNSURNAMEU Unknownmanu
0.003906	1	8	5684	VAN DER BOUT ** Engeltje Cornelisse
0.007813	1	7	537	VAN DER LINDE Gerrit
0.004883	4	9.75	64	VAN DER MERWE Willem Schalk
0.003906	1	8	53	VAN DER SCHULP Sara
0.001953	1	9	277	VAN DEVENTER Gerrit Jansz
0.001953	1	9	1110	VAN DIE KAAP Maria LOZEE
0.001953	2	10	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.001953	1	9	2847	VAN MEERHOF ** Pieter
0.00293	4	10.5	1000	VAN PALICATTE Catharina
0.006836	5	9.6	2309	VAN PLUS ^ Rachel
0.005859	3	9.333333	256	VAN STADEN Maarten
0.001953	2	10	2322	VAN WYK ^ Arie
0.00293	2	9.5	170	VERWEY Gysbert
0.007813	1	7	1939	VION Lysbeth
0.003906	4	10.25	358	VISSER Jan Coenraad
0.007813	2	8	1947	VITOUT\VYTON ** Maria
0.003906	1	8	389	VRYMAN Catharina
0.008789	5	9.2	103	WILLEMSE Geertruy
0.003906	1	8	2700	WILLEMSZ ** Catharina
0.003906	1	8	2063	WIT ** Christoffel
0.015625	1	6	5655	WOLMARANS ** Joseph
0.003906	1	8	2845	ZAAYMAN ** Daniel

Table A30: Deconstruct Output of B. J. Vorster. Born 1915

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	9	2323	AERTS ^ Jangten
0.0234375	3	9	2302	AVIENS ^ Heyletje
0.0234375	3	8	2082	BARENDS ** Grietjie
0.01171875	2	9	674	BASTIAANS ** Frans
0.01171875	2	7.333333333	264	BECKER\BEKKER Peter
0.01953125	3	8	388	BEYERS Andries
0.01171875	4	9.857142857	246	BLEU ** Elisabeth
0.01171875	4	7	908	BOCKELBERG Johannes
0.0078125	2	8.6	247	BOTH Friedrich
0.026367188	11	8	2683	BRAND ** Robbert Robberts
0.013183594	11	7	544	BRANDENBURG Jacoba
0.013183594	11	9	212	BRUERE ^ Anne
0.016601563	7	8	154	BRU/RE Estienne
0.008300781	7	8	62	BURCHERDT Berndt
0.008300781	7	8	819	CAMPHER Lorenz
0.0078125	1	8	2267	CLAAS\CLAASEN ** Alida\Aeltje

0.004882813	2	9.5	698	CLAASEN Cornelis
0.00390625	1	9.818181818	66	CLOETE Jacob
0.015625	1	8.5	263	COCHET Sara
0.0078125	1	8	222	CORDIER Louis
0.0078125	1	6	2044	DAVEL\TAFEL ** Johan(n) Christia(a)n
0.015625	2	9	789	DE BUIS Jean
0.0078125	2	8	5444	DE CLERCQ ** Marie Madeleine
0.013671875	6	8.5	266	DE CLERCQ Pieter
0.013671875	6	8	177	DE GRAVE Marie
0.03125	1	7	360	DE JAGER Pieter Christiaan
0.005859375	3	10	5442	DE JONKER ** Jan Andrieson
0.005859375	3	7	2065	DE KOCK ** Servaas
0.0078125	2	8	2091	DE LA BATTE ** Jeanne
0.00390625	1	11	87	DE LA HAYE ^ Anne
0.00390625	1	9	675	DE LEEUW Anna Maria
0.01171875	2	9	81	DE SAVOYE Jacques
0.005859375	2	8	2681	DE VEY ** Abraham
0.005859375	2	9	839	DE VILLIERS Marie
0.01171875	2	9.5	135	DE VOS Suzanne
0.0078125	1	9	2303	DE WIT ^ Orphanfathera
0.005859375	2	11	86	DU PONT ^ Denis
0.005859375	2	8.5	2252	DU PUY ** Jean
0.0078125	1	7	2085	ERASMUS ** Pieter
0.00390625	1	7	2079	FERREYN\VERREYNE ** Thomas
0.00390625	1	9	211	FOUCHER ^ Bernard
0.00390625	1	9	201	FREDERIKS Isabella
0.00390625	1	11	359	GERRITS Margaretha
0.00390625	1	8	294	GERRITS Pietertje
0.00390625	1	7	2272	GERRITSDOGTER Adriana
0.0078125	1	8	50	GREEFF Matthias
0.00390625	1	8	153	GYSBERTS Teuntje
0.00390625	1	8	1816	HARMENSZ Trijnttje
0.00390625	1	8	2089	HARTOG Margaretha
0.001953125	1	9	102	HELM Hans
0.00390625	1	9	2534	HOLSWIG ** Susanna
0.00390625	1	8	2265	HORSEL\GOSZELKE\ORSELKE ** Heinrich
0.015625	1	9.5	134	JACOB Pierre
0.00390625	1	8	2682	JACOBS ** Maria
0.00390625	1	9	2276	JACOBSZ ** Claas
0.00390625	1	8	1316	JANS ** Trijntje (Catharina)
0.00390625	1	9	2688	JANSZ ** Elizabeth
0.00390625	1	7	2084	JOOSTE ** Maria Elisabeth
0.001953125	1	6	5466	JORDAAN ** Wensel
0.001953125	1	8	2205	JOUBERT ** Pierre
0.005859375	2	8.6	248	KICKERS Maria
0.005859375	2	8	2095	KIENS\KYNS ** Catharina
0.001953125	2	7	465	KLOPPER Hendrik Frederik
0.001953125	2	9	2308	LE FEBRE ^ Pierre
0.001953125	1	9.857142857	245	LE F/VRE ** David
0.013671875	5	7	2087	LORET ** Guillaume
0.013671875	5	8	2263	LYVENS ** Levina

0.0078125	2	7	543	LƎBE Barend
0.0078125	2	9	5472	MARSCHALK ** Jean
0.0078125	2	8.5	1801	MARTIN Anne
0.0078125	2	8	223	MARTINET Fran鼗ise
0.0078125	1	9	124	MAR/ Ignace
0.00390625	1	7	2061	MEYER ** Piere
0.00390625	1	8	5470	MINIE ** Jean Willems
0.00390625	1	9	838	MOUTON Jacques
0.0078125	1	8	2092	NIEL\NEL ** Guillaume
0.03125	1	7	346	NIEUWOUDT Isaak
0.015625	1	8	2083	NOBEL ** Jan
0.015625	1	8	1948	NORTIER\NOURTIER ** Daniel
0.00390625	1	8	2686	NYS\DE NYS ** Jan
0.001953125	1	7.5	2075	OELOFSE ** Andries
0.001953125	1	8	2088	OTTO ** Michiel\Michael
0.001953125	1	8	2090	PIEK ** Jan\Johann Casper
0.00390625	1	7	2242	PIETERSZ ** Johanna
0.001953125	1	8	605	PINARD Jacques
0.001953125	1	9	200	POTGIETER Harmen Jansen
0.00390625	1	8.5	476	PRETORIUS Johannes
0.000976563	1	8	2266	PRINSLOO ** Adriaan Gerrits
0.004394531	2	8.857142857	243	PR/VOT Charles
0.004394531	2	10	539	PUTTER Dietrich
0.000976563	1	10	2235	PYL ** Abraham Bastiaansz
0.000488281	1	8	5476	RABIE ** Christiaan
0.000488281	1	9.818181818	67	RADERGRƎTZ Sophia
0.0078125	2	9	696	RAS Hans
0.0078125	2	10	2317	RETIEF ^ Marie
0.0078125	2	9	77	RETIF Anne
0.005859375	4	8	2204	RICHARD ** Isabeau
0.005859375	4	9	2275	RIJKS ** Aagje
0.0078125	1	8	2685	RODA - Lysbeth Fockese
0.001953125	1	7	2247	ROI ** Jean
0.001953125	1	10	2316	ROUSSEAU ^ Daniel
0.00390625	1	9	2533	SACHS ** Joachim
0.0078125	2	8	152	SCHEEPERS Coenraad
0.00390625	2	7	801	SENEKAL David
0.00390625	2	9	2101	SIEK ** Jonann
0.0078125	1	8	2684	SLABBERT ** Cornelia
0.0078125	1	7.5	1399	SMIT Jan\Johannes
0.00390625	1	10	999	SNIJMAN Hans Christoffel
0.001953125	1	8	293	STEVENS Joost
0.001953125	1	8	651	STRYDOM Joost
0.00390625	1	8	2531	SWANEPOEL ** Pieter Jansz
0.00390625	1	8	2097	TERRIER ** Daniel
0.001953125	1	7.5	503	TOL Adriana
0.001953125	1	6	2034	TOUKEN ** Sophia
0.00390625	2	7	2321	UNKNOWNSURNAMEL ^ Unknownwomanl
0.00390625	2	9	786	UNKNOWNSURNAMEQ Unknownwomanq
0.00390625	1	10	5441	UNKNOWNSURNAMES Unknownwomans

0.00390625	1	9	5454	UNKNOWNSURNAMEU Unknownmanu
0.001953125	1	6	5465	UNKNOWNSURNAMEX Unknownwomanx
0.000976563	1	9	697	USBINGHS Angelina Catharina
0.000976563	1	8	2264	VAN BOOVEN ** Jesaias
0.001953125	1	8	105	VAN DEN BOSCH Jan
0.015625	1	7	2320	VAN DEN HEEVER ^ Unknownmanl
0.0078125	1	8	2099	VAN DER HEYDE ** Jacobus
0.0078125	1	8.818181818	64	VAN DER MERWE Willem Schalk
0.00390625	1	8	277	VAN DEVENTER Gerrit Jansz
0.001953125	1	8	1712	VAN DIE KAAP Ansela
0.001953125	1	9	1110	VAN DIE KAAP Maria LOZEE
0.00390625	1	9	487	VAN EEDEN Jan Janse
0.00390625	1	8.5	2250	VAN GYSELEN ** Leendert Jansz
0.00390625	1	8	787	VAN LEEUWEN Cornelis
0.00390625	1	8	421	VAN LOVEREN ** Christina
0.0078125	1	8	1376	VAN MALABAR Helena
0.0078125	1	9.5	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.0078125	1	10	1000	VAN PALICATTE Catharina
0.00390625	1	9	2309	VAN PLUS ^ Rachel
0.00390625	1	7.5	578	VAN RENSBURG Claas Jansz
0.00390625	1	7	279	VAN ROOYEN Cornelis
0.00390625	1	9	132	VAN VUREN Gerrit (Janszoon)
0.0078125	1	9	2322	VAN WYK ^ Arie
0.000976563	1	8	420	VAN ZIJL\ZYL Willem Willemsz
0.000976563	1	8.5	477	VICTOR Johanna
0.000488281	1	8	2096	VISAGIE ** Pieter
0.000488281	1	11	358	VISSER Jan Coenraad
0.0078125	1	8	1947	VITOUT\VYTON ** Maria
0.00390625	1	6	2029	VORSTER\FORSTER ** Jan\Hans
0.001953125	1	8	478	VOSLOO Johannes
0.001953125	1	8	2098	VROOM ** Abigael
0.00390625	1	8	389	VRYMAN Catharina
0.00390625	1	5	5460	WAGENAAR ** Johann Christoph
0.00390625	1	6	2053	WEPENER ** Joachim Ernst
0.001953125	1	9	103	WILLEMSE Geertruy
0.001953125	1	7	770	WILLEMSE Gerrit
0.001953125	1	8.5	2251	WILLEMSZ ** Maria
0.00390625	1	7	2063	WIT ** Christoffel
0.001953125	1	5	2262	WYDEMAN ** Pieter Andries Christiaan

Table A31: Deconstruct Output of P. W. Botha. Born 1916

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.015625	1	6	5322	(DE) LANGE ** Johann Heinrich
0.006836	4	9.25	2323	AERTS ^ Jangten
0.000488	1	11	2517	ALBERTS ** Aaltjie
0.00293	2	9.5	2298	ANDRIESZ Neeltje
0.00293	2	9.5	2302	AVIENS ^ Heyletje
0.003906	1	8	5132	BACOT ** Anna Maria
0.001953	1	9	674	BASTIAANS ** Frans
0.015625	1	6	5308	BAUER ** Johann Ludwig

0.001953	1	9	5284	BECK Christoffel Sebastian
0.011719	2	7.5	264	BECKER\BEKKER Peter
0.008301	10	10.3	246	BLEU ** Elisabeth
0.011719	2	7.5	908	BOCKELBERG Johannes
0.023438	9	8.666667	247	BOTH Friedrich
0.015625	3	7.666667	544	BRANDENBURG Jacoba
0.001465	2	10.5	212	BRUERE ^ Anne
0.007813	1	7	5367	BRUYNS\DE BRUIJN Unknownmanq
0.003906	1	8	62	BURCHERDT Berndt
0.003906	1	8	4925	BUYS ** Barend
0.005859	3	9.333333	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.003906	2	9	819	CAMPHER Lorenz
0.003906	1	8	2546	CARSTENS\KARSTENS ** Johannes Hermanus\Hermann
0.001953	1	9	2640	CARTENIERS ** Jacomina
0.001953	1	9	2267	CLAAS\CLAASEN ** Alida\Aeltje
0.006836	10	10.6	66	CLOETE Jacob
0.007813	3	8.666667	263	COCHET Sara
0.000977	1	10	222	CORDIER Louis
0.005859	2	8.5	390	CORNELISSEN Evert
0.001953	1	9	915	COUTEAU Marie
0.009766	6	9.333333	160	D'ATIS Cecilia
0.001953	1	9	789	DE BUIS Jean
0.005859	2	8.5	266	DE CLERCQ Pieter
0.000977	1	10	5442	DE JONKER ** Jan Andrieson
0.007813	3	8.666667	2091	DE LA BATTE ** Jeanne
0.00293	4	10.5	87	DE LA HAYE ^ Anne
0.000977	1	10	2822	DE LAAR ** Anna Maria
0.001953	1	9	675	DE LEEUW Anna Maria
0.005859	4	9.5	81	DE SAVOYE Jacques
0.006836	4	9.5	135	DE VOS Suzanne
0.003906	1	8	2674	DE WAAL ** Johannes
0.007813	1	7	2656	DE WET ** Jacobus
0.00293	2	9.5	2303	DE WIT ^ Orphanfathera
0.009766	6	9.333333	159	DES PR/S Hercule
0.00293	4	10.5	86	DU PONT ^ Denis
0.003906	1	8	2252	DU PUY ** Jean
0.000977	1	10	2304	DU TOIT ^ Pierre
0.007813	1	7	5188	DURAND ** Jean
0.001953	1	9	5364	EENMAAL ** Cornelia
0.001953	1	9	2085	ERASMUS ** Pieter
0.001465	2	10.5	211	FOUCHER ^ Bernard
0.007813	1	7	221	FOURIE Louis
0.017578	8	8.875	201	FREDERIKS Isabella
0.003906	1	8	322	GARDIOL Marguerite
0.000977	1	10	5445	GERRITS ** Greetjen
0.003906	2	9	359	GERRITS Margaretha
0.003906	1	8	294	GERRITS Pietertje
0.003906	1	8	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.007813	1	7	620	GROV/ Andries

0.001953	1	9	4936	HAESTER ** Johanna
0.000977	1	10	2290	HARMANS ** Catharina
0.010742	5	9	102	HELM Hans
0.005859	3	9	239	HERBST Johann
0.007813	2	8	818	HILLEBRANDT Catharina
0.003906	1	8	1893	HOEFNAGELS ** Margaretha
0.003906	1	8	2265	HORSEL\GOSZELKE\ORSELKE ** Heinrich
0.006836	4	9.5	134	JACOB Pierre
0.005859	2	8.5	1316	JANS ** Trijntje (Catharina)
0.001953	1	9	2553	JANSEN ** Helena
0.001953	1	9	2688	JANSZ ** Elizabeth
0.006836	3	9	2549	JASPERS ** Huybreghje
0.001953	1	9	2084	JOOSTE ** Maria Elisabeth
0.005859	2	8.5	2205	JOUBERT ** Pierre
0.001953	1	9	5446	JOURDAN ^ Pierre
0.005859	2	8.5	2297	KEMP ** Nicolaas
0.023438	9	8.666667	248	KICKERS Maria
0.003906	1	8	465	KLOPPER Hendrik Frederik
0.007813	1	7	5347	KOEKEMOER ** Jochem
0.011719	2	7.5	5337	KOSTER ** Heinrich
0.007813	1	7	2566	KRIEL ** Hermanus
0.001953	1	9	5279	KRUGEL ** Unknownmanl
0.011719	2	7.5	2227	KRUGER\CRUGER ** Jacob
0.003906	1	8	69	KUTZER Jacob
0.003906	1	8	5131	LABUSCHAGNE ** Pieter
0.008301	10	10.3	245	LE F⁄VRE ** David
0.003906	1	8	319	LE LONG\LONGUE Isabeau
0.001953	1	9	914	LOMBARD Pierre
0.011719	2	7.5	2087	LORET ** Guillaume
0.015625	3	7.666667	543	LƎBE Barend
0.003906	1	8	320	MALAN Jacques
0.001953	1	9	114	MARAIS Charles
0.001953	1	9	2591	MARTHE ** Jeanne
0.003906	1	8	1801	MARTIN Anne
0.000977	1	10	223	MARTINET Fran翾ise
0.019531	3	8	124	MAR⁄ Ignace
0.001953	1	9	455	MATTHYSE Maria
0.000488	1	11	2516	MYBURGH ** Lambert
0.003906	1	8	624	NIEL Etienne
0.007813	3	8.666667	2092	NIEL\NEL ** Guillaume
0.003906	1	8	570	OBERHOLSTER Jan\Johann
0.001953	1	9	2075	OELOFSE ** Andries
0.000977	1	10	2314	OLIVIER ^ Cornelis
0.023438	2	6.5	5335	OPPERMAN ** Gottlieb Christian
0.000977	1	10	219	PAILLEVERT ^ Anne
0.003906	1	8	5312	PASMANN ** Wemmer
0.001953	1	9	2319	PELETREAUX ^Jeanne
0.000977	1	10	605	PINARD Jacques
0.017578	8	8.875	200	POTGIETER Harmen Jansen

0.007813	3	8.666667	476	PRETORIUS Johannes
0.001953	1	9	2266	PRINSLOO ** Adriaan Gerrits
0.016602	10	9.3	243	PR/VOT Charles
0.007813	2	8	539	PUTTER Dietrich
0.006836	10	10.6	67	RADERGRƎTZ Sophia
0.009766	6	9.5	2317	RETIEF ^ Marie
0.011719	3	8.333333	77	RETIF Anne
0.005859	2	8.5	2204	RICHARD ** Isabeau
0.001953	1	9	2506	RICHMANN ** Johannes
0.000977	1	10	2305	ROUSELLE ^ Marie
0.009766	6	9.5	2316	ROUSSEAU ^ Daniel
0.003906	1	8	595	ROUX Paul
0.03125	1	5	5341	RUTS ** Nicolaus
0.005859	3	9	240	SANDERS VAN DIE KAAP Lijsbeth
0.003906	1	8	2301	SCHMIDT ** Heinrich Evert
0.001953	1	9	2257	SECAULT ^ Elsabeth
0.007813	1	7	801	SENEKAL David
0.001953	1	9	2318	SEUGNET ^ Helie
0.006836	3	9	2548	SLABBERT ** Floris
0.001953	1	9	5280	SLAKKERNEUGT ** Margaretha
0.001953	1	9	1399	SMIT Jan\Johannes
0.001953	1	9	5363	SMUTS ** Michiel Cornelis
0.005859	4	9.5	999	SNIJMAN Hans Christoffel
0.000977	1	10	218	SOUCHAY ^ Paul
0.003906	1	8	4889	STEENKAMP ** Jan
0.003906	1	8	293	STEVENS Joost
0.00293	2	9.5	2299	SWERISSE ** Lourens
0.001953	1	9	115	TABOUREUX Catherine
0.015625	1	6	5366	TAUTE ** Matthias
0.001953	1	9	503	TOL Adriana
0.000977	1	10	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.001953	2	10	2555	UNKNOWNSURNAMEO ** Unknownwomano
0.001953	1	9	5283	UNKNOWNSURNAMEP ** Unknownwomanp
0.003906	2	9	786	UNKNOWNSURNAMEQ Unknownwomanq
0.000977	1	10	5441	UNKNOWNSURNAMES Unknownwomans
0.003906	1	8	2300	UNKNOWNSURNAMET Unknownwomant
0.001953	1	9	5454	UNKNOWNSURNAMEU Unknownmanu
0.003906	1	8	2551	VAN AS ** Jannetjie
0.001953	2	10	2554	VAN AS ** Johannes
0.003906	1	8	5361	VAN BREDA ** Pieter
0.001953	1	9	2639	VAN DEN BERG ** Jacobus
0.005859	2	8.5	105	VAN DEN BOSCH Jan
0.012695	9	9.555556	64	VAN DER MERWE Willem Schalk
0.007813	1	7	2542	VAN DER NEST ** Hendrik
0.003906	1	8	828	VAN DER SWAAN Gerrit
0.005859	2	8.5	277	VAN DEVENTER Gerrit Jansz
0.003906	2	9	1712	VAN DIE KAAP Ansela
0.001953	1	9	1110	VAN DIE KAAP Maria LOZEE
0.001953	1	9	144	VAN DYK Joost Pietersz
0.001953	1	9	4935	VAN ECK ** Adriaan

0.003906	1	8	2673	VAN ECK\NECK ** Elisabeth
0.007813	3	8.666667	487	VAN EEDEN Jan Janse
0.000977	1	10	2250	VAN GYSELEN ** Leendert Jansz
0.005859	2	8.5	585	VAN HEERDEN Pieter Willem
0.003906	1	8	2550	VAN HOETING ** Roelof
0.003906	1	8	787	VAN LEEUWEN Cornelis
0.007813	2	8	421	VAN LOVEREN ** Christina
0.003906	2	9	168	VAN MARSEVEEN Pieter Jansz
0.001953	1	9	1813	VAN NEGAPATNAM ** Maria
0.005859	4	9.5	1000	VAN PALICATTE Catharina
0.003906	2	9	256	VAN STADEN Maarten
0.011719	3	8.333333	132	VAN VUREN Gerrit (Janszoon)
0.006836	4	9.25	2322	VAN WYK ^ Arie
0.007813	2	8	420	VAN ZIJL\ZYL Willem Willemsz
0.001953	1	9	4941	VENTER ** Hendrik
0.001953	1	9	145	VERBURGH Catharina
0.007813	3	8.666667	477	VICTOR Johanna
0.001953	1	9	2256	VILLIERS ^ Pierre
0.001953	2	10	2233	VILLION ** Francois
0.006836	4	9.25	358	VISSER Jan Coenraad
0.003906	1	8	369	VIVIER Abraham
0.010742	5	9	103	WILLEMSE Geertruy
0.005859	2	8.5	391	WILLEMSE Maria
0.003906	2	9	2700	WILLEMSZ ** Catharina
0.000977	1	10	2251	WILLEMSZ ** Maria

Table A32: Deconstruct Output of C. N. Barnard. Born 1922

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.001953	2	10	680	(VAN) ROSENDAAL Jacob Huybrechtsz
0.029297	12	9	313	ALBERTSZ ^ Pieter
0.003906	3	9.666667	2302	AVIENS ^ Heyletje
0.058594	12	8	311	BARNARD Johannes
0.003906	2	9	511	BIBAULT Detlef
0.000977	1	10	246	BLEU ** Elisabeth
0.007813	1	7	2707	BOSSOU ** Willem Hendrik
0.021484	5	8	247	BOTH Friedrich
0.013672	5	8.6	899	BRITS Hans Jacob
0.000977	1	10	2267	CLAAS\CLAASEN ** Alida\Aeltje
0.003906	1	8	2388	CLAASEN\CLAUSZEN\CLASSZEN ** Claas\Claus\Claasz
0.001953	1	9	66	CLOETE Jacob
0.021973	5	8.4	222	CORDIER Louis
0.001953	1	9	160	D'ATIS Cecilia
0.029297	12	9	1802	DE HAAS Guillaume
0.007813	1	7	360	DE JAGER Pieter Christiaan
0.004395	6	10.5	5442	DE JONKER ** Jan Andrieson
0.005371	5	10	87	DE LA HAYE ^ Anne
0.010742	5	9	81	DE SAVOYE Jacques
0.0625	2	5	524	DE SWART Guilliam

0.003906	3	9.666667	2303	DE WIT ^ Orphanfathera
0.001953	1	9	159	DES PR/S Hercule
0.035156	6	7.5	2380	DIETLOF(F) ** Johan Chrostoffel
0.005371	5	10	86	DU PONT ^ Denis
0.029297	12	9	1803	DURIER Maria Catharina
0.003906	1	8	257	ERNST Margaretha\Maria
0.003906	1	8	2384	FRAPPE ** Hendrik
0.001953	1	9	201	FREDERIKS Isabella
0.001953	2	10	681	GEENS Barbara
0.007813	1	7	2725	GERBER ** Frans Anton
0.003418	5	10.6	5445	GERRITS ** Greetjen
0.000244	1	12	294	GERRITS Pietertje
0.021973	5	8.4	342	GRILLION Marie
0.000977	1	10	2715	HARTMAN(N) ** Jan\Johan Adam
0.000977	1	10	102	HELM Hans
0.001953	1	9	239	HERBST Johann
0.015625	1	6	2359	HEUNIS ** Hermanus
0.000244	1	12	2534	HOLSWIG ** Susanna
0.008789	6	9.5	2688	JANSZ ** Elizabeth
0.007813	1	7	361	KARELSE Hermina
0.021484	5	8	248	KICKERS Maria
0.000977	1	10	2095	KIENS\KYNS ** Catharina
0.001953	1	9	2260	KNOETZEN\KNOETSE ** Cornelis
0.085938	4	5.75	2362	KOEN ** Johannes Casparus
0.007813	1	7	2382	LAMPRECHT ** Johan Christiaan
0.000977	1	10	245	LE F/VRE ** David
0.058594	12	8	305	LE ROUX Jean
0.027344	5	7.6	2702	LINDEQUE ** Barend
0.0625	1	4	2344	LODEWYKS ** Johannes Wilhelm
0.003906	2	9	512	LOUW Jan Pietersz
0.021973	5	8.4	343	MALHERBE Gideon
0.021973	5	8.4	223	MARTINET Fran輟ise
0.007813	2	8	522	MORKEL Philip
0.003418	5	10.6	2314	OLIVIER ^ Cornelis
0.029297	12	9	314	OTTENS ^ Marritje
0.001953	1	9	200	POTGIETER Harmen Jansen
0.001953	1	9	476	PRETORIUS Johannes
0.000977	1	10	2266	PRINSLOO ** Adriaan Gerrits
0.001953	1	9	243	PR/VOT Charles
0.001953	1	9	67	RADERGRƎTZ Sophia
0.000122	1	13	696	RAS Hans
0.004517	7	10.85714	2317	RETIEF ^ Marie
0.004517	7	10.85714	2316	ROUSSEAU ^ Daniel
0.000244	1	12	2533	SACHS ** Joachim
0.001953	1	9	240	SANDERS VAN DIE KAAP Lijsbeth
0.000122	1	13	5250	SCABALJE Unknown
0.000244	1	12	1550	SCHRƎDER ** Hendrik\Heinrich
0.010742	5	9	999	SNIJMAN Hans Christoffel

0.054688	5	6.6	2374	STANDER ** Hendrik\Heinrich
0.000244	1	12	293	STEVENS Joost
0.000244	1	12	651	STRYDOM Joost
0.000488	1	11	2531	SWANEPOEL ** Pieter Jansz
0.000977	1	10	2722	TOLL Johanna Catharina
0.003418	5	10.6	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.004395	6	10.5	5441	UNKNOWNSURNAMES Unknownwomans
0.000122	1	13	697	USBINGHS Angelina Catharina
0.007813	1	7	2386	UWENS\IWENS ** Dirk
0.003906	2	9	520	VAN BRAKEL Adriaan Willemsz
0.003906	1	8	64	VAN DER MERWE Willem Schalk
0.003906	1	8	277	VAN DEVENTER Gerrit Jansz
0.000977	1	10	144	VAN DYK Joost Pietersz
0.009033	7	9.857143	487	VAN EEDEN Jan Janse
0.000122	1	13	2723	VAN HOORN ^ Judith
0.000977	1	10	1813	VAN NEGAPATNAM ** Maria
0.010742	5	9	1000	VAN PALICATTE Catharina
0.007813	1	7	279	VAN ROOYEN Cornelis
0.003906	1	8	256	VAN STADEN Maarten
0.000977	1	10	145	VERBURGH Catharina
0.001953	1	9	477	VICTOR Johanna
0.000977	1	10	2096	VISAGIE ** Pieter
0.004395	6	10.5	358	VISSER Jan Coenraad
0.000977	1	10	2721	VOORTMANN ** Heinrich
0.003906	2	9	513	WEIJAN Beatrice
0.03125	2	6	519	WEYERS Stephanus Janse
0.000977	1	10	103	WILLEMSE Geertruy

Table A33: Deconstruct Output of F. W. de Klerk. Born 1936

Genetic Contribution	Number Hits	Mean Generations	ID	Name
0.001465	2	10.5	2323	AERTS ^ Jangten
0.000488	2	12	2517	ALBERTS ** Aaltjie
0.000977	2	11	2298	ANDRIESZ Neeltje
0.003906	3	9.666667	2302	AVIENS ^ Heyletje
0.000977	1	10	674	BASTIAANS ** Frans
0.003906	1	8	5308	BAUER ** Johann Ludwig
0.005859	2	8.5	264	BECKER\BEKKER Peter
0.001953	1	9	388	BEYERS Andries
0.000977	1	10	380	BEZUIDENHOUT Wynand Leenderts
0.007324	4	9.5	511	BIBAULT Detlef
0.001953	3	10.66667	246	BLEU ** Elisabeth
0.003906	1	8	908	BOCKELBERG Johannes
0.000977	1	10	374	BOSHOUWER Pieter
0.000488	1	11	4932	BOSMAN ** Lambertus
0.005859	5	9.8	247	BOTH Friedrich
0.004395	4	10	212	BRUERE ^ Anne
0.001953	1	9	154	BRU/RE Estienne
0.007813	1	7	5923	BUITENDACH ** Carl Dietrich
0.000977	1	10	62	BURCHERDT Berndt

0.005859	3	9	4925	BUYS ** Barend
0.005371	7	10.57143	2232	CAMPENAAR\KEMPENAAR ** Cornelia
0.000977	1	10	2546	CARSTENS\KARSTENS ** Johannes Hermanus\Hermann
0.008789	6	9.5	2640	CARTENIERS ** Jacomina
0.001953	1	9	5881	CLAAS Armozyn
0.004395	5	10.4	698	CLAASEN Cornelis
0.003906	1	8	2388	CLAASEN\CLAUSZEN\CLASSZEN ** Claas\Claus\Claasz
0.000977	1	10	676	CLEEF ** Nicolaus
0.00415	8	11.125	66	CLOETE Jacob
0.008789	5	9.4	263	COCHET Sara
0.001953	2	10	756	COEN Margaretha Klaas-dogter
0.001953	1	9	52	COETZEE Dirk
0.003906	1	8	5879	COMBRINK ** Herman
0.001953	1	9	1952	CONTERMAN(N) ** Jan Jacob
0.004883	4	10	222	CORDIER Louis
0.001953	2	10	915	COUTEAU Marie
0.000488	1	11	160	D'ATIS Cecilia
0.001953	2	10	789	DE BUIS Jean
0.001953	1	9	1949	DE CLERCQ ** Jeanne
0.008789	5	9.4	266	DE CLERCQ Pieter
0.001465	2	10.5	177	DE GRAVE Marie
0.03125	1	5	5854	DE KLERK Susanna Maria
0.011719	7	9.428571	2091	DE LA BATTE ** Jeanne
0.001221	2	11	87	DE LA HAYE ^ Anne
0.000977	2	11	2822	DE LAAR ** Anna Maria
0.000977	1	10	675	DE LEEUW Anna Maria
0.002441	2	10	81	DE SAVOYE Jacques
0.006836	4	9.5	839	DE VILLIERS Marie
0.001953	4	11	135	DE VOS Suzanne
0.000977	1	10	4931	DE VRIES ** Hendrik Abraham
0.003906	1	8	5219	DE VRIJ ** Cornelia
0.003906	3	9.666667	2303	DE WIT ^ Orphanfathera
0.001953	1	9	126	DELPORTE Jacques
0.000488	1	11	159	DES PR/S Hercule
0.003906	1	8	2599	DIEDERICHS ** Jacob
0.000977	1	10	194	DU PLESSIS Jean Prieur
0.003906	1	8	5940	DU PLOOY ** Simon
0.001221	2	11	86	DU PONT ^ Denis
0.000977	1	10	2252	DU PUY ** Jean
0.007813	2	8	5188	DURAND ** Jean
0.003906	1	8	2085	ERASMUS ** Pieter
0.003906	1	8	409	ESTERHUIZEN Christoffel
0.004395	4	10	211	FOUCHER ^ Bernard
0.001953	2	10	221	FOURIE Louis
0.000488	1	11	4933	FRANSZ ** Maria
0.003906	1	8	2384	FRAPPE ** Hendrik
0.00293	3	10	201	FREDERIKS Isabella
0.000488	1	11	1814	GABRIELS Unknkownmanw

0.000488	1	11	2728	GARDIOL ** Suzanne
0.001953	1	9	322	GARDIOL Marguerite
0.001953	1	9	1950	GAUCHER ** Andre
0.003418	4	10.25	5445	GERRITS ** Greetjen
0.000977	1	10	381	GERRITS Jannetje
0.001465	2	10.5	359	GERRITS Margaretha
0.001953	1	9	294	GERRITS Pietertje
0.004395	3	9.666667	1892	GILDENHUYZEN\GILDENHAUSEN ** Albert Barends
0.002197	3	10.66667	2848	GORINGHAICONA VAN DIE KAAP Eva
0.001953	1	9	342	GRILLION Marie
0.003906	1	8	1967	GROBBELAAR\GROBLER ** Johan(n)
0.001953	1	9	153	GYSBERTS Teuntje
0.001953	1	9	2641	HACK\HAAK ** Johann Christoffel
0.006836	3	9	4936	HAESTER ** Johanna
0.000977	2	11	2290	HARMANS ** Catharina
0.001953	1	9	1816	HARMENSZ Trijnttje
0.015869	14	10.14286	102	HELM Hans
0.001953	1	9	818	HILLEBRANDT Catharina
0.004395	3	9.666667	1893	HOEFNAGELS ** Margaretha
0.0625	1	4	5835	HOLSTERS ** Anna Francina Francoise
0.006836	4	9.25	2534	HOLSWIG ** Susanna
0.001953	4	11	134	JACOB Pierre
0.000977	1	10	1316	JANS ** Trijntje (Catharina)
0.000488	1	11	2553	JANSEN ** Helena
0.003906	4	10.25	2549	JASPERS ** Huybreghje
0.001953	1	9	404	JOOST\JOOSTE Franz
0.003906	1	8	2084	JOOSTE ** Maria Elisabeth
0.003906	2	9	2205	JOUBERT ** Pierre
0.005859	4	9.5	5446	JOURDAN ^ Pierre
0.001953	2	10	2297	KEMP ** Nicolaas
0.001953	1	9	2225	KERVEL ** Jurgen
0.005859	5	9.8	248	KICKERS Maria
0.009766	4	8.75	2260	KNOETZEN\KNOETSE ** Cornelis
0.003906	2	9	5683	KOOPMAN ** Bartholomeus Jansz
0.003906	1	8	5941	KOOPMAN Catharina
0.003906	2	9	2227	KRUGER\CRUGER ** Jacob
0.003906	1	8	5187	KUNE ** Hans
0.011719	2	7.5	69	KUTZER Jacob
0.007813	1	7	2382	LAMPRECHT ** Johan Christiaan
0.001221	3	11.33333	2308	LE FEBRE ^ Pierre
0.001953	3	10.66667	245	LE F⁄VRE ** David
0.005859	2	8.5	319	LE LONG\LONGUE Isabeau
0.001953	1	9	5882	LEY ** Michael
0.001953	2	10	914	LOMBARD Pierre
0.003906	1	8	2168	LOOTS ** Jan
0.003906	1	8	2087	LORET ** Guillaume
0.003906	2	9	2834	LOUBSER ** Nicolaus
0.000977	1	10	97	MAARTENS Johanna
0.001953	1	9	343	MALHERBE Gideon
0.001953	1	9	5472	MARSCHALK ** Jean

0.005859	4	9.5	2591	MARTHE ** Jeanne
0.000977	1	10	1801	MARTIN Anne
0.004883	4	10	223	MARTINET Fran輟ise
0.003906	2	9	124	MAR/ Ignace
0.004883	3	9.333333	455	MATTHYSE Maria
0.000977	1	10	195	MENANTEAU Madeleine
0.007813	1	7	2539	MEYER ** Johann Georg
0.003906	1	8	5470	MINIE ** Jean Willems
0.001953	2	10	807	MOSTERT Jan
0.006836	4	9.5	838	MOUTON Jacques
0.000488	2	12	2516	MYBURGH ** Lambert
0.011719	7	9.428571	2092	NIEL\NEL ** Guillaume
0.001953	2	10	808	NIEUWMEYER Elisabeth
0.001953	1	9	5895	NORDEN Jacoba
0.00293	2	9.5	1948	NORTIER\NOURTIER ** Daniel
0.014648	4	8.5	752	ODENTHAL Wilhelm
0.002441	3	10.33333	2314	OLIVIER ^ Cornelis
0.000977	1	10	96	OOSTHUYZEN Johannes
0.003418	3	10	219	PAILLEVERT ^ Anne
0.001953	1	9	5894	PAL ** Helmer
0.000977	1	10	5312	PASMANN ** Wemmer
0.000977	1	10	2319	PELETREAUX ^Jeanne
0.007813	2	8	5930	PELTZER ** Abraham
0.003906	1	8	5964	PILJE ** Nicolaas
0.004883	3	9.333333	605	PINARD Jacques
0.00293	3	10	200	POTGIETER Harmen Jansen
0.03125	1	5	5858	PRETORIUS Catharina Geertruyda
0.001953	1	9	476	PRETORIUS Johannes
0.003906	3	9.666667	243	PR/VOT Charles
0.00293	2	9.5	539	PUTTER Dietrich
0.008789	5	9.4	2235	PYL ** Abraham Bastiaansz
0.003906	2	9	2835	QUINT ** Engeltje
0.001953	1	9	402	RAATS Jasper
0.003906	1	8	5476	RABIE ** Christiaan
0.00415	8	11.125	67	RADERGRƎTZ Sophia
0.000977	1	10	696	RAS Hans
0.001465	2	10.5	2317	RETIEF ^ Marie
0.000977	1	10	77	RETIF Anne
0.003906	2	9	2204	RICHARD ** Isabeau
0.004883	3	9.333333	2506	RICHMANN ** Johannes
0.001465	2	10.5	2316	ROUSSEAU ^ Daniel
0.001953	1	9	595	ROUX Paul
0.006836	4	9.25	2533	SACHS ** Joachim
0.000977	1	10	5250	SCABALJE Unknown
0.001953	1	9	152	SCHEEPERS Coenraad
0.001953	1	9	2301	SCHMIDT ** Heinrich Evert
0.015625	4	8	559	SCHMIDT Erasmus
0.015625	1	6	5179	SCHOEMAN ** Daniel Jo(a)chim

0.001953	1	9	1550	SCHRƎDER ** Hendrik\Heinrich
0.001221	2	11	2257	SECAULT ^ Elsabeth
0.000977	1	10	2318	SEUGNET ^ Helie
0.003906	4	10.25	2548	SLABBERT ** Floris
0.000488	1	11	999	SNIJMAN Hans Christoffel
0.003418	3	10	218	SOUCHAY ^ Paul
0.003906	1	8	4889	STEENKAMP ** Jan
0.001953	1	9	293	STEVENS Joost
0.001953	1	9	651	STRYDOM Joost
0.011719	3	8	2531	SWANEPOEL ** Pieter Jansz
0.001953	2	10	755	SWART Johannes
0.000977	2	11	2299	SWERISSE ** Lourens
0.007813	1	7	5184	TREGARD ** Carolus Gustav
0.002441	3	10.33333	2315	UNKNOWNSURNAMEI ^ Unknownwomani
0.000244	1	12	2555	UNKNOWNSURNAMEO ** Unknownwomano
0.001953	1	9	2300	UNKNOWNSURNAMET Unknownwomant
0.000977	1	10	5454	UNKNOWNSURNAMEU Unknownmanu
0.000977	1	10	697	USBINGHS Angelina Catharina
0.007813	1	7	2386	UWENS\IWENS ** Dirk
0.007813	1	7	5922	VALK ** Catharina
0.001953	1	9	2224	VAN AARDE ** Gerrit
0.000977	1	10	2551	VAN AS ** Jannetjie
0.000244	1	12	2554	VAN AS ** Johannes
0.008789	6	9.5	2639	VAN DEN BERG ** Jacobus
0.003906	1	8	1805	VAN DEN BOSCH Engeltie
0.006348	6	10	105	VAN DEN BOSCH Jan
0.003906	1	8	1804	VAN DEN BURGH Hans Carelse
0.003906	2	9	5684	VAN DER BOUT ** Engeltje Cornelisse
0.004883	2	9	2099	VAN DER HEYDE ** Jacobus
0.007324	6	9.833333	64	VAN DER MERWE Willem Schalk
0.001953	1	9	2542	VAN DER NEST ** Hendrik
0.001953	1	9	53	VAN DER SCHULP Sara
0.007813	3	8.666667	277	VAN DEVENTER Gerrit Jansz
0.000977	1	10	1110	VAN DIE KAAP Maria LOZEE
0.006836	3	9	4935	VAN ECK ** Adriaan
0.001953	1	9	487	VAN EEDEN Jan Janse
0.008789	5	9.2	99	VAN EMMENES Albert Gerritse
0.001953	1	9	2223	VAN GENZ ** Levina Theunis
0.005859	2	8.5	585	VAN HEERDEN Pieter Willem
0.000977	1	10	2550	VAN HOETING ** Roelof
0.000977	1	10	2723	VAN HOORN ^ Judith
0.001953	1	9	2562	VAN JAARSVELD ** Adriaan
0.003906	2	9	421	VAN LOVEREN ** Christina
0.007324	4	9.5	754	VAN MADAGASKAR Diana
0.004883	6	10.5	699	VAN MALABAR\COROMANDEL\BENGALER Catharina
0.000977	1	10	168	VAN MARSEVEEN Pieter Jansz
0.002197	3	10.66667	2847	VAN MEERHOF ** Pieter
0.000488	1	11	1000	VAN PALICATTE Catharina
0.001221	3	11.33333	2309	VAN PLUS ^ Rachel

0.001953	1	9	578	VAN RENSBURG Claas Jansz
0.0625	1	4	5834	VAN ROOY ** Johannes Cornelis
0.003906	1	8	5220	VAN TONDEREN ** Andreas Cornelisz
0.001953	2	10	132	VAN VUREN Gerrit (Janszoon)
0.001465	2	10.5	2322	VAN WYK ^ Arie
0.003906	2	9	420	VAN ZIJL\ZYL Willem Willemsz
0.00293	3	10	4941	VENTER ** Hendrik
0.001953	1	9	477	VICTOR Johanna
0.001221	2	11	2256	VILLIERS ^ Pierre
0.004395	6	10.66667	2233	VILLION ** Francois
0.001953	1	9	142	VISSER Gerrit Jansz
0.004883	6	10.33333	358	VISSER Jan Coenraad
0.001953	1	9	127	VITOUT Sara
0.00293	2	9.5	1947	VITOUT\VYTON ** Maria
0.001953	1	9	389	VRYMAN Catharina
0.003906	2	9	5013	WIESE ** Benjamin
0.015869	14	10.14286	103	WILLEMSE Geertruy
0.004395	3	9.666667	2845	ZAAYMAN ** Daniel

Appendix 1: Source Code for Program to Add Contributions from a Single Nationality

```
> a <- read.table("C:\\Documents and Settings\\p2427427\\My
Documents\\David\\Spreadsheets\\Completeddatabase\\Reconstruct\\Origins.txt", header
= T) # masterfile containing info for entore data base
>                                    # columns MID (gedcom number) ,MOrigin (country of
origin)
> or1 <-
c("Net","Ger","Fra","Aus","Bel","Ita","Por","Swi","Eng","Wal","Ire","Lat","Slo","Pol","
Den","Nor","Swe","Indi","Chi","Indo","Gui","Mad","Mau","Ken","Nam","vdK","Unk","
Inc") #identities of countries, goes together with or1, which is a specific individuals
composition
> or2 <- numeric(length(or1)) #specific individual's composition
> for (i in 1:(length(or2))) or2[i]<-0 # set individual's composition to naught
> b <- read.table("C:\\Documents and Settings\\p2427427\\My
Documents\\David\\Spreadsheets\\Completeddatabase\\Reconstruct\\SJduToit.txt",header
= T) # individual's composition: columns: ID (gedcom number), Genetic.Contribution
(relatedness)
> j <- 1
> for (i in 1:(length(a$MID))) {if (a$MID[i] == b$ID[j])
{or2[which(or1==a$MOrigin[i])] <- or2[which(or1==a$MOrigin[i])] +
b$Genetic.Contribution[j]
```

```
+                                   j <- j+1}}
> cbind(or1,or2)
> sum(or2)
> rm(b)
```