

L'ADN et La Généalogie

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Ma rencontre avec « 23andMe »

- Cadeau de ma belle-fille à mon fils (ils vivent à New York)
- Résultats intéressants (généalogie et santé)
- J'ai fait moi-même le test (mais sans résultats de santé, interdits aujourd'hui)

23andMe: qui est-ce?

- 23andMe est une société américaine spécialisée dans l'analyse ADN destinée aux particuliers
- Plus de 750.000 personnes dans le monde ont fait réaliser cette analyse ADN par 23andMe, mais avec une forte majorité d'Américains
- Il existe une société Suisse qui propose les mêmes services: IGENEA

23andMe et la généalogie

- L'analyse ADN de leurs clients permet de déterminer:
 - L'origine de leurs ascendances (Haplogroupes)
 - Des individus qui ont un ADN proche (et qui pourraient être de lointains ou proches cousins)
 - Des outils pour construire (et rendre public) leurs arbres généalogiques
 - Des informations sur leurs lignées maternelle et paternelle

23andMe et la santé

- L'ADN d'un individu peut être relié à un certain nombre de maladies (diabète, problèmes cardiaques, cancers, maladies mentales, etc...)
- 23andMe prétend posséder la plus grande base de données d'ADN d'individus sains et malades (+750.000), et donc aider la science médicale à progresser sur la prédiction de maladies

23andMe et la santé

- Mais cette information (qui continue à être collectée) ne peut plus être transmise aux clients de 23andMe, par interdiction de la FDA depuis le 22 novembre dernier
- FDA remet partiellement en cause les conclusions de ces analyses
- Eventuel refus d'assurance pour des malades en devenir
- Des excès ont été commis par certains clients (ex. opération des 2 seins lorsque le test donnait un risque de cancer du sein)

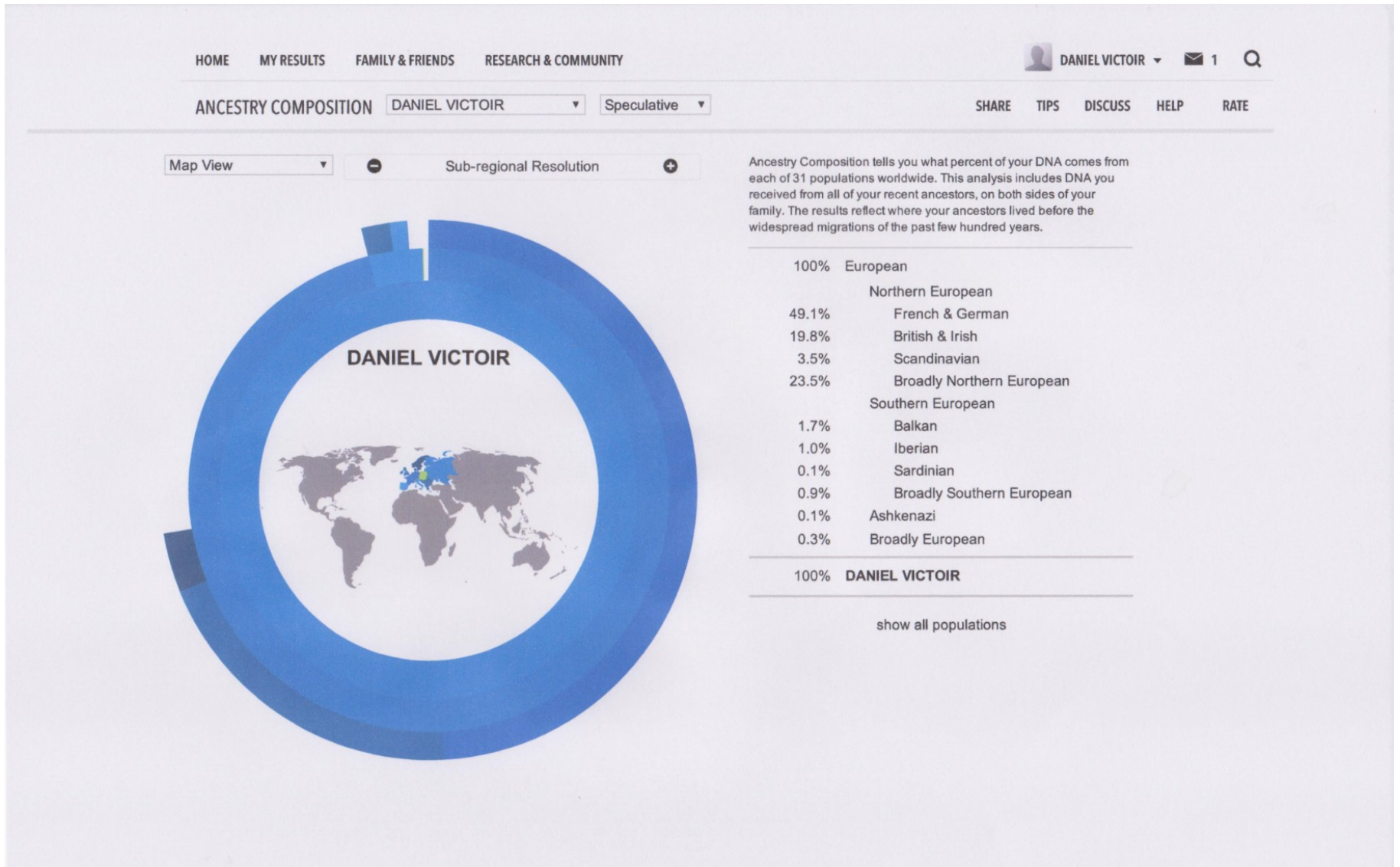
Qu'est-ce qu'un Haplogroupe?

- Pour la [génétique humaine](#), les haplogroupes qu'on étudie généralement sont des haplogroupes du [chromosome Y](#) (ADN-Y) et des haplogroupes de l'[ADN mitochondrial](#) (ADN mt). On peut employer les deux pour définir les populations génétiques. L'ADN-Y suit seulement la lignée [patrilinéaire](#), alors que l'ADN mt suit seulement la lignée [matrilinéaire](#). Les hommes disposent des deux types de [marqueurs génétiques](#) (ADN mitochondrial de la mère et chromosome Y du père); les femmes possèdent uniquement un seul type : l'ADN mitochondrial de la mère.
- Pour les protohistoriens et les généalogistes, un haplogroupe peut être perçu également comme un groupe d'humains ayant un même ancêtre commun en lignée [patrilinéaire](#) ou [matrilinéaire](#). Cette science est d'ailleurs utilisé par les archéologues pour leurs études.

Source: Wikipedia

Les résultats

1. L'ascendance



Les résultats

2. Ma ligne maternelle


HOME MY RESULTS FAMILY & FRIENDS RESEARCH & COMMUNITY DANIEL VICTOIR

MATERNAL LINE: V3 SHARE HELP RATE

Overview History Haplogroup Tree Community

V3 is a subgroup of V

Locations of haplogroup V before the widespread migrations of the past few hundred years.



Haplogroup V originated in Iberia during the Ice Age. After a last burst of cold conditions roughly 12,000 years ago, migrations carried the haplogroup northward along the Atlantic coast and through central Europe to Scandinavia. Today it is found in a wide variety of populations from the Basques of Spain to the Saami of Finland.

Human Prehistory Videos

- Human Prehistory: Prologue
- Out of (Eastern) Africa

Maternal haplogroups are families of mitochondrial DNA types that all trace back to a single mutation at a specific place and time. By looking at the geographic distribution of mtDNA types, we learn how our ancient female ancestors migrated throughout the world.

Haplogroup: V, a subgroup of R0
Age: 16,000 years
Region: Europe
Example Populations: Finns, Saami (Lapps), Sardinians, Basques
Highlight: Haplogroup V was probably common in Doggerland, an ancient land now drowned beneath the North Sea.

Haplogroups of You and Your Connections

V3	DANIEL VICTOIR
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Haplogroups of Example Profiles

D4e2	Example Japanese Person
D5a2a'c	Example Chinese Person
L3e2b2	Example Nigerian Person

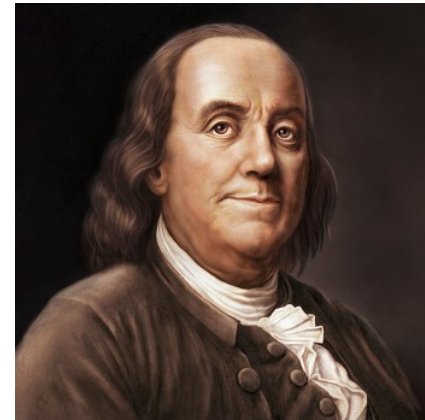
Haplogroups of Famous People

A2	Eva Longoria
C	Yo-Yo Ma
H	Luke the Evangelist, Marie

Les résultats

2. Ma ligne maternelle

- Personnages célèbres de la ligne V3:
- Benjamin Franklin



- Bono



Les résultats

3. Ma ligne paternelle

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DANIEL VICTOIR

PATERNAL LINE: I1

SHARE HELP RATE

Overview History Haplogroup Tree Community

Locations of haplogroup I1 before the widespread migrations of the past few hundred years.



Haplogroup I1 can be found at levels of 10% and higher in many parts of Europe, due to its expansion with men who migrated northward after the end of the Ice Age about 12,000 years ago. It reaches its highest levels in Denmark and the southern parts of Sweden and Norway.

Human Prehistory Videos

- Human Prehistory: Prologue
- Out of (Eastern) Africa

Paternal haplogroups are families of Y chromosomes that all trace back to a single mutation at a specific place and time. By looking at the geographic distribution of these related lineages, we learn how our ancient male ancestors migrated throughout the world.

Haplogroup: I1, a subgroup of I
Age: 28,000 years
Region: Northern Europe
Example Populations: Finns, Norwegians, Swedes
Highlight: Haplogroup I1 reaches highest frequencies in Scandinavia.

Haplogroups of You and Your Connections

I1	DANIEL VICTOIR
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Haplogroups of Example Profiles

D2a1b	Example Japanese Person
E1b1a8a1*	Example Nigerian Person
N	Example Chinese Person

Haplogroups of Famous People

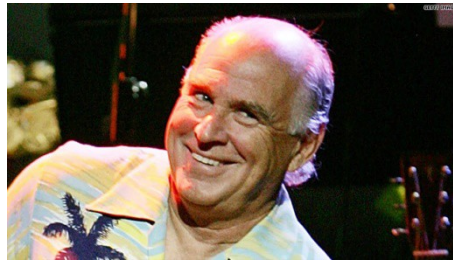
B2a1	Chris Rock
C3	Genghis Khan
E	Al Roker
E1b1a8a*	Desmond Tutu
E1b1b1c1*	Napoleon Bonaparte

Les résultats

3. Ma ligne paternelle

- Personnage célèbres de la ligne I1

- Jimmy Buffet



- Warren Buffet



- Leon Tolstoï



Les résultats

4. La ligne paternelle de mon fils

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Nicolas Victoir 2

PATERNAL LINE: I1* SHARE HELP RATE

Overview History Haplogroup Tree Community


I1* is a subgroup of I1


Locations of haplogroup I1 circa 500 years ago, before the era of intercontinental travel.



Haplogroup I1 can be found at levels of 10% and higher in many parts of Europe, due to its expansion with men who migrated northward after the end of the Ice Age about 12,000 years ago. It reaches its highest levels in Denmark and the southern parts of Sweden and Norway.

Human Prehistory Videos

 Human Prehistory: Prologue

 Out of (Eastern) Africa

Paternal haplogroups are families of Y chromosomes that all trace back to a single mutation at a specific place and time. By looking at the geographic distribution of these related lineages, we learn how our ancient male ancestors migrated throughout the world.

Haplogroup: I1, a subgroup of I
Age: 28,000 years
Region: Northern Europe
Example Populations: Finns, Norwegians, Swedes
Highlight: Haplogroup I1 reaches highest frequencies in Scandinavia.

Haplogroups of You and Your Connections

I1*	Nicolas Victoir
Unknown	Gladys Frank

Haplogroups of Example Profiles

D2a1b	Example Japanese Person
N	Example Chinese Person
E1b1a8a1*	Example Nigerian Person

Haplogroups of Famous People

B2a1	Chris Rock
C3	Genghis Khan
E	Al Roker
E1b1a8a*	Desmond Tutu

Les résultats

5. La ligne maternelle de mon fils

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Nicolas Victoir 2

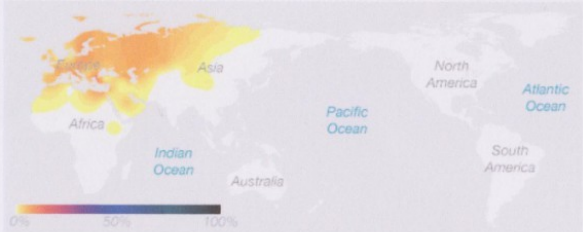
MATERNAL LINE: T2B6

SHARE HELP RATE

Overview History Haplogroup Tree Community

T2b6 is a subgroup of T2

Locations of haplogroup T2 circa 500 years ago, before the era of intercontinental travel.



Haplogroup T originated about 45,000 years ago in the Near East, as modern humans first expanded out of eastern Africa. Its present-day geographic distribution is strongly influenced by multiple migrations out of the Near East into Europe, India and eastern Africa after about 15,000 years ago. T2 is widespread in northern Africa and Europe.

Human Prehistory Videos

Human Prehistory: Prologue

Out of (Eastern) Africa

Maternal haplogroups are families of mitochondrial DNA types that all trace back to a single mutation at a specific place and time. By looking at the geographic distribution of mtDNA types, we learn how our ancient female ancestors migrated throughout the world.

Haplogroup: T2, a subgroup of T
Age: less than 33,000 years
Region: Europe, Near East
Example Populations: Northern Europeans, Spanish
Highlight: The outlaw Jesse James carried mitochondrial DNA from haplogroup T2.; Agriculture

Haplogroups of You and Your Connections

U7	Gladys Frank
T2b6	Nicolas Victoir

Haplogroups of Example Profiles

D5a2a'c	Example Chinese Person
L3e2b2	Example Nigerian Person
D4e2	Example Japanese Person

Haplogroups of Famous People

A2	Eva Longoria
C	Yo-Yo Ma
H	Luke the Evangelist, Marie Antoinette, Napoleon Bonaparte,

Les résultats

5. La ligne maternelle de mon fils

- Personnage « célèbre » de la ligne T2:
- Le « hors la loi » américain Jesse James



Les résultats

6. Recherche de « cousins » (692 sur 750000)

The screenshot shows a web interface for DNA Relatives. At the top, there are navigation tabs: HOME, MY RESULTS, FAMILY & FRIENDS, and RESEARCH & COMMUNITY. On the right, the user's name 'DANIEL VICTOIR' is displayed with a profile icon, a mail icon, and a search icon. Below the navigation is a 'DNA RELATIVES' section with options for 'DOWNLOAD', 'TIPS', 'HELP', and 'RATE'. There are three view options: 'List View' (selected), 'Map View', and 'Surname View'. A search bar contains 'search matches'. Below the search bar, there are filters: 'Show: both sides', 'Sort: relationship', '25 per page', and '1 - 25 of 689'. The main content is a list of matches. Each match row includes a profile icon, the match's name and gender, the relationship to the user, shared DNA segments, and a 'Send an Introduction' button. The first match is the user himself, 'DANIEL VICTOIR', with a 'UPDATE YOUR PROFILE' button. Other matches include various cousins and distant cousins with different shared DNA percentages and segments.

Name	Gender	Relationship	Shared DNA	Segments	Match Type	Action
DANIEL VICTOIR	Male	You				UPDATE YOUR PROFILE
	Male	Son	47.5% shared, 23 segments	Northern Europe T2b6 I1*		Send an Introduction
	Male	3rd to 5th Cousin	0.40% shared, 3 segments	H E1b1b1a2*		Send an Introduction
	Male	3rd to 6th Cousin	0.24% shared, 2 segments	X2b4 R1b1b2a1a2d*		Send an Introduction
	Male	3rd to 6th Cousin	0.21% shared, 2 segments	Northern Europe J1b E1b1b1a2*		Send an Introduction
	Female	3rd to 6th Cousin	0.20% shared, 2 segments	H1c1		Send an Introduction
	Male	3rd to 6th Cousin	0.19% shared, 2 segments	H1a1 R1b1b2a1a1*		Send an Introduction
Mary Allen	Female	3rd to Distant Cousin	0.33% shared, 1 segment	United States Northern Europe I1a1	Public Match	Send a Message
	Male	3rd to Distant		J1c3c R1b1b2a1a1*		Send an Introduction

Les résultats

4. Recherche de « cousins »

HOME MY RESULTS FAMILY & FRIENDS RESEARCH & COMMUNITY Nicolas Victoir 2

DNA RELATIVES DOWNLOAD TIPS HELP RATE

List View Map View Surname View

search matches Show: both sides Sort: relationship 25 per page 1 - 25 of 540

	Nicolas Victoir Male	You	Northern Europe T2b6 I1*	UPDATE YOUR PROFILE
	France Mitchell Female	3rd to 6th Cousin 0.34% shared, 1 segment	Canada Friedriesthal, Sarre, Germany La Chaux de Fonds, Neuchatel, ... Gaillac,Tarn, France 20 more Salm Le Bras Jacottet 43 more H1	Public Match Send a Message
	Male	3rd to 6th Cousin 0.26% shared, 2 segments	H E1b1b1a2*	Send an Introduction
	Male	3rd to 6th Cousin 0.25% shared, 2 segments	X2b4 R1b1b2a1a2d*	Send an Introduction
	Anke Klewinghaus-Bischof Female	3rd to 6th Cousin 0.24% shared, 2 segments	U8a1a	Public Match Send a Message
	Female	3rd to 6th Cousin 0.22% shared, 2 segments	H2b	Send an Introduction
	James Antley Male	3rd to 6th Cousin 0.21% shared, 2 segments	United States Germany,South Carolina, Georg... Ailer Albrecht Antoley 36 more J1c2 I2a1*	Public Match Send a Message View Family Tree
	Female	3rd to 6th Cousin 0.21% shared, 2 segments	Colombia Colombia, Pereira, Bogota, Saldarriaga Posada Restrepo A2	Send an Introduction
	Male	3rd to 6th Cousin 0.20% shared, 2 segments	H1c3 R1b1b2a1a2	Send an Introduction


Les résultats

4. Recherche de « cousins »

HOME MY RESULTS FAMILY & FRIENDS RESEARCH & COMMUNITY

Nicolas Victor 2

MEMBER PROFILE HELP



France Mitchell
Health and Ancestry

You are not sharing with France Mitchell.

INVITE TO SHARE GENOMES

SEND A MESSAGE

Ancestry Information

Birthplace: Canada

Family Surnames: Salm, Le Bras, Jacottet, Paty, Schumann, Gross, Geffroy, Clabault, Malter, Fries, Loze, Looze, Loos, Wokaun, Le Meur, Moullec, Demeure, Bouffet, Maron, Bergeon, Sandoz, Perret, Perret-Gentil, Ame-Droz, Ritz, Funk, Ritter, Bauer, Buchholz, Evard, Rossel, Clottu, Brandt-dit-Grierin, Jean Richard dit Bressel, De Montmollin, Perrenoud, Borle, Huguenin, Diacon, Dubois, Brandt, Droz dit Buffet, Othenin-Girard, Humbert Droz,

Family Locations: Friedriesthal, Sarre, Germany; La Chaux de Fonds, Neuchatel, Switzerland; Gaillac, Tarn, France; Renne, Ille et Vilaine, France; Hochlibin, Zlutice, Czechoslovakia; Plouaret, Cote du Nord, France; Vitre, Ille-Et-Vilaine, France; Sulzbach Saarbruecken, Rheinland, Prussia; Ruschberg, Germany; Gottelborn, Sarland; Hüttigweiler, Illingen, Neunkirchen, Saarland, Germany; Neuchatel, Neuchatel, Switzerland; Lachaux-De-Fonds/Neuchatel, Switzerland; Lobkowitz, Bohème, Czech Republic; Le Locle/Ne, Switzerland; Hauterive, Neuchatel Switzerland; Saint-Blaise, Neuchatel, Switzerland; Bechin, Fraudwitz, Bohemia; Vieux-Marche, Cotes-Du-Nord, France; Pluzunet, Cotes-du-Nord, France; Pluzunet, Cotes-du-Nord, France; Le Verger, Ille-Et-Vilaine, France; Wailly, Somme, France;

Les résultats

5. Exemple de correspondance

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INBOX

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A message from your relative

 Gladys Frank, a 5th Cousin wrote: Dec 12, 2013


 **5th Cousin**
Gladys Frank
Maternal Haplogroup U7

Introduction message:

Hi,

Through our shared DNA, 23andMe has identified us as relatives. Our predicted relationship is 5th Cousin, with a likely range of 4th to Distant Cousin. Would you like to explore our relationship?

You have accepted contact with this relative.

 You wrote to Gladys Frank, a 5th Cousin: Dec 12, 2013

That would be fun.
I believe my mother ancestors are all French, at least for the past couple hundred years. On my father's side, his parents were Belgium.
Do you think you have ancestors coming from those regions?

Les résultats

5. Exemple de correspondance

Regards,
Nicolas Victoir, victoir@gmail.com



Gladys Frank, a 5th Cousin wrote:

Dec 12, 2013

yes, my mom's ancestors come from Belgium - jamoigne, les bulles, hachy, sampont, udange, aix sur cloie, mussy la ville udange
. Do any of your ancestors come from this part of Belgium.

Regards,

Steve Frank
SFrank@woh.rr.com

reply:

0 / 10000

SEND

HEALTH RESULTS

Health Overview
Health Risks
Drug Response

Inherited Conditions
Traits
Health Tools

ANCESTRY RESULTS

Ancestry Overview
Ancestry Composition
Maternal Line

Paternal Line
Neanderthal Ancestry
Ancestry Tools

FAMILY & FRIENDS

Family Tree
DNA Relatives
Family Traits

Manage Sharing

RESEARCH & COMMUNITY

Surveys
Quick Questions
Discoveries

Initiatives
Community

GIFT A KIT

Buy additional kits or
Join our referral
program



Conclusion

- Démocratisation de la recherche d'ADN
- Les origines d'un individu semblent fiables
- Cette recherche est certainement plus intéressante pour les gens qui ont migré (en particulier les américains!)
- La recherche de « cousins » est limitée à ceux qui ont fait cette recherche d'ADN (par la même société), mais peut générer de bonnes surprises