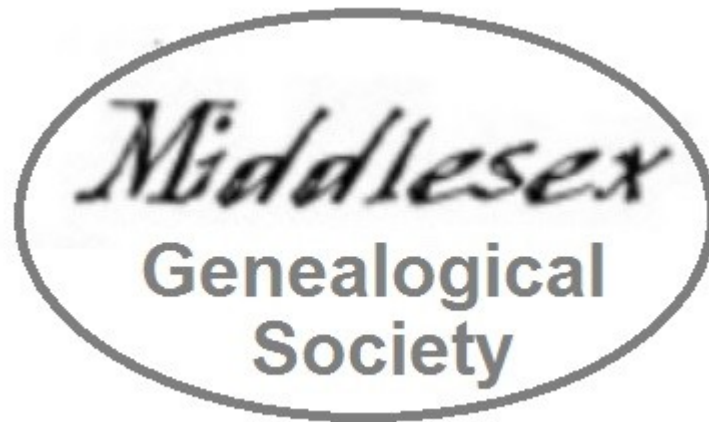


Y-DNA and Genealogy



Peter Biggins, [BY3164](#)
Darien Library, Darien, CT
October 6, 2018

Housekeeping

- Slides available on MGS website:
mgs.darien.org/meetings.htm
- Contact Peter with any questions at:
pabiggin@optonline.net

Y-DNA: for Men Only?

- Yes
 - Only men can be tested
 - Handed down from father to son
- But
 - Many Y tests are bought by women
 - Y-DNA from a brother, father, uncle, nephew, male cousin

Y Orientation

- Don't sweat the science
- Not cheap: think \$449 per person
- Your place on the human tree
- Connect with ancient people and places
- Maybe help with genealogy
 - Now
 - In the future

DNA 101: Types of DNA

- In the cell's nucleus
 - Autosomal DNA is in the 44 non-sex chromosomes
 - Y-chromosome DNA is in the one male chromosome
- In the cell's mitochondria
 - Mitochondrial DNA is found outside the cell's nucleus

DNA 101: Mutations

- Billions of cells die everyday
- Cells constantly replicate by dividing
- **Mutations** occur, **rarely**, in replication
- These mutations are **inherited**
- A **tree** can be constructed from “Adam” to the present using these mutations,

Y Topics

- **Projects**
 - Surname (last name)
 - Haplogroup (major SNP)
- **Testing results**
 - STR matches
 - SNP tree
- **Testing strategy**

Surname Projects

2008 Email from Daniela

I have visited your great website [PetersPioneers](#) and see that you have a lot of information on the [Biggins surname](#).

I am researching my Biggins family from Middlesex, England, and have formed a DNA project to help with this research.

2008 Email from FTDNA

Thank you for ordering the Y-DNA67 test.
Your sample kit number is 127469. The price
of your order is \$271, and the VISA credit card
ending in _____ will be charged.

Testing: FTDNA Kit



Email from FTDNA

Your DNA sample kit, number 127469, was received today at Family Tree DNA

From now on you can follow the progress of your test by logging in at our home page, with your kit #127469 and password _____.

The next step is the processing of your sample at our lab. When the lab has completed the processing, you will be notified immediately by email.

Welcome to myFTDNA

R-BY3164
Y-DNA Haplogroup

U2e1a1c
mtDNA Haplogroup

Your Account

Profile



+ Enlarge
Edit Image

Name Peter Biggins
Email pabiggin@optonline.net
Address 230 Old Kings Highway North
City/State/Zip Darien, CT 06820
Phone 203-655-3694
Last sign in Today
[Manage Personal Information](#)
[Change Password](#)

Order History



Product	Ordered
mtFull Sequence	6/10/2017
Big Y-500	11/23/2013
Family Finder	7/24/2013

[Complete Order History](#)

Projects



Roderick
[Middlesex Genealogic](#)
[Ancient Breifne Clans \(Ireland\)](#)
[R DF21 and Subclades](#)
[NULL425](#)
[R_R1b ALL Subclades](#)
[Clan Colla 425 null](#)
[R L21, Z290 and Subclades](#)
[R P312 and Subclades](#)

Family Tree



Family Finder Results Completed: 8/12/2013

Matches **Chromosome Browser** **Linked Relationships**

myOrigins **ancientOrigins** **Wellness Report**

[Matrix](#) | [Advanced Matches](#) | [Download Raw Data](#) | [Learn More](#)

Y-DNA Results Completed: 4/19/2018

Matches **Ancestral Origins** **Haplotree & SNPs**

Matches Maps **Migration Maps** **SNP Map**

Haplogroup Origins **Y-STR Results** **Print Certificates**

Y-DNA at Family Tree DNA

- Founded in 1999 by Bennett Greenspan in Houston
- Saliva stored for upgrades
- Members join group projects for free
- Start your own group project
- Project results posted on web page
- Project administrators are volunteers
- Annual conference for project administrators

Other Y Testing Organizations

- 23andMe – minor testing
- YSEQ – individual SNPs, SNP panels, full genome, but small tester group
- Full Genomes – more complete testing than FTDNA, but small tester group

2008 Email from Daniela

I see that your 12 marker results have come in. It looks like you match someone named Bigham. It will be interesting to see how you match up when more of your markers are tested. I am glad you decided to test to 67 markers because it looks like Bigham has.

Could you please add information about your most distant ancestor on your FTDNA web page, it is under "User Preferences."

My Earliest Known Y Ancestor

Earliest Known Ancestors

Direct Paternal

This is the line of your father, your father's father, etc.

**Country of
Origin**

Ireland



Name

Patrick Biggins 1807 Co Cavan/Monaghan

For example, John Smith, b. 1850 and d. 1925

Info Available to Matches

Peter Alfred Biggins

pabiggin@optonline.net

R-BY3164
Y-DNA HAPLOGROUP

U2e1a1c
mtDNA HAPLOGROUP

Earliest Known Ancestors

Paternal:

Patrick Biggins 1807 Co Cavan/Monaghan

Maternal:

Maria Anna Hauck 1792 Königheim, Baden,
Germany

About Me

<http://www.peterspioneers.com/>

Patrick Biggins

- My most distant Y ancestor
- US Census: b. 1807 in Ireland, m. Bridget, owned a farm in Will County, Illinois
- James Biggins, b. 1822, owned farm next to Patrick. An 1890 Will County History said he was from Co. Monaghan, Ireland
- St. Bridget's Church has a Patrick Beggan baptized in 1807. Father Hugh Beggan. Mother Anne Cusack. From Drumgill, Co. Cavan (near Co. Monaghan border)

2008 Email to Cathi Biggins

In July this year, a Biggins DNA project was started at FTDNA. I would be thrilled if a male Biggins of your family were to join the project. I believe it would confirm a close relationship between my Patrick and your James.

Response:

I forwarded your e-mail to my nephews and hopefully one of the Biggins boys will participate.

2008 Email to Gerard Beggan

I will never forget your hospitality when I was in Carrickmacross last year

In July this year a Biggins DNA project was started at FTDNA by a woman who has Biggins ancestors. They want males named Biggins (or a variant) to submit their DNA because that's the best way to trace ancestry.

She asked me to submit mine, and I did. I got final results in September

So, I am wondering if you would be interested

The Fermanagh Story

by Peadar Livingstone, 1969

BEGGAN (Ó Beagáin) : also Little. This family was common in the Clones-Roslea-Donagh area. It was originally Ó Beacain and this was often anglicised Little. Little was itself a British name and some of the minor planters bore it. O'Donovan mentions Beggan under Clones and there are many Beggan inscriptions in Donagh cemetery.⁴ There are 139 Little voters in Fermanagh today, and 44 Beggans or Beagans.

FTDNA Biggins Project Today

2006	Beaghen	Michael	Ireland, Brooklyn
2006	Little	John	Cavan, Scotland, Australia
2007	Bigham	Keith	Colonial Pennsylvania
2008	Biggins	Peter	Cavan, Ontario, Illinois
2009	Biggins	Sean	Monaghan, Illinois
2010	Bigham	Mark	Colonial Pennsylvania
2010	Beggan	Gerard	Clones, Carrickmacross
2011	Beggan	Adrian	Clones, Dublin
2016	Biggin	David	England, Australia
2017	Biggins	Kieran	Monaghan, Scotland

About Surnames

- Most surnames have variations in spelling (e.g., Cearbhaill, O'Carroll, Carrell, McCarroll, Carvill)
- Most surnames have a variety of DNAs (e.g., over 25 different Carroll DNAs)
- Surnames are not always inherited (e.g., adoption, fosterage, name change)
- Some surnames have a famous person (e.g., Charles Carroll of Carrollton)

Y-DNA: Solo Surnames

- Adoption
- Name change
- Small surname group
- Small testing sample
- Biased FTDNA market

Surname Projects at FTDNA

- FTDNA has thousands of Y-DNA surname projects
- Most FTDNA surname project results are available to the public
- Google FTDNA and a surname, or
- Go to:
<https://www.familytreedna.com/projects.aspx>
- If no project, start one

Haplogroup Projects

2009 Email

From: Josiah McGuire

To: John Little

I believe it's possible that our group of McGuires, Carrolls, McMahons, and McKennas may go back to a common ancient ancestor, one of the **Three Collas**. The Biggins, Littles, and maybe some others may possibly have a genetic connection back to the same common ancestor

Y-DNA: The Three Collas

- Lived in Ulster in the 4th century A.D.
- Remarkable coincidence between two sets of surnames:
 - Similar Y-DNA
 - Mentioned in ancient Colla pedigrees
- Carroll, Connolly, Devine, Hart, Higgins, Hughes, Kelly, MacDougall, McAuley, McClain, **McDonald**, McGuire, McKenna, **McMahon**, McQuillan, Monaghan

2009 Email from Josiah McGuire

It was suggest to me by a friend that I should start a DNA project with FTDNA. They thought I should enlist all the R1b types (with the 425 null)... and whose surnames may have an Oriel origin. And see if it could be proven that the participants all share a common ancestor... the Collas.

I don't know... if I would take on such a project. I need to think more about it. But I would need to have some co-administrators to help out.

Clan Colla Project

- 2009 - project started for anyone who has Clan Colla DNA
- 2014 - Full genome testing shows members share Z3000. Project becomes a haplogroup project
- 2018 - Over 500 members

STR Test Results

My STRs

- FTDNA Tests: 12, 25, 37, 67, 111, 500 STRs
- My STR tests
 - 2008: 67 STRs
 - 2011: 111 STRs
 - 2018: 500 STRs
- STRs are reported on
 - your homepage
 - public project pages

PANEL 1 (1-12) ⓘ

Marker	DYS393	DYS390	DYS19 **	DYS391	DYS385	DYS426	DYS388	DYS439	DYS389I	DYS392	DYS389II ***
Value	13	24	15	11	11-15	12	12	12	13	13	29

PANEL 2 (13-25) ⓘ

Marker	DYS458	DYS459	DYS455	DYS454	DYS447	DYS437	DYS448	DYS449	DYS464
Value	17	9-10	11	11	25	15	19	28	15-15-17-17

PANEL 3 (26-37) ⓘ

Marker	DYS460	Y-GATA-H4	YCAII	DYS456	DYS607	DYS576	DYS570	CDY	DYS442	DYS438
Value	11	11	19-23	15	15	17	19	36-38	12	12

PANEL 4 (38-47) ⓘ

Marker	DYS531	DYS578	DYF395S1	DYS590	DYS537	DYS641	DYS472	DYF406S1	DYS511
Value	11	9	15-16	8	10	10	8	10	9

PANEL 4 (48-60) ⓘ

Marker	DYS425	DYS413	DYS557	DYS594	DYS436	DYS490	DYS534	DYS450	DYS444	DYS481	DYS520	DYS446
Value	0 *	22-24	16	10	12	12	16	8	12	22	20	13

PANEL 4 (61-67) ⓘ

Marker	DYS617	DYS568	DYS487	DYS572	DYS640	DYS492	DYS565
Value	12	11	13	11	11	12	12

My Unique STRs

- 3rd STR 19=15 instead of 14
 - unique to McDonalds, Biggins's, and others descended from Colla Uais
- 48th STR 425=0 instead of 12
 - unique to Collas as a whole
- 50th STR 413b=24 instead of 23
 - unique to 10 Biggins members

PANEL 1 (1-12) ⓘ

Marker	DYS393	DYS390	DYS19 **	DYS391	DYS385	DYS426	DYS388	DYS439	DYS389I	DYS392	DYS389II ***
Value	13	24	15	11	11-15	12	12	12	13	13	29

PANEL 2 (13-25) ⓘ

Marker	DYS458	DYS459	DYS455	DYS454	DYS447	DYS437	DYS448	DYS449	DYS464
Value	17	9-10	11	11	25	15	19	28	15-15-17-17

PANEL 3 (26-37) ⓘ

Marker	DYS460	Y-GATA-H4	YCAII	DYS456	DYS607	DYS576	DYS570	CDY	DYS442	DYS438
Value	11	11	19-23	15	15	17	19	36-38	12	12

PANEL 4 (38-47) ⓘ

Marker	DYS531	DYS578	DYF395S1	DYS590	DYS537	DYS641	DYS472	DYF406S1	DYS511
Value	11	9	15-16	8	10	10	8	10	9

PANEL 4 (48-60) ⓘ

Marker	DYS425	DYS413	DYS557	DYS594	DYS436	DYS490	DYS534	DYS450	DYS444	DYS481	DYS520	DYS446
Value	0 *	22-24	16	10	12	12	16	8	12	22	20	13

PANEL 4 (61-67) ⓘ

Marker	DYS617	DYS568	DYS487	DYS572	DYS640	DYS492	DYS565
Value	12	11	13	11	11	12	12

Biggins Project Results

Kit Number	Name	Paternal Ancestor Name	Country	Haplogroup	DY S393	DY S390	DY S19
I-P37, M36, Y11222							
17693	Bigham	Samuel Bigham, Sr., 1717 - 1804	Northern Ireland	I-BY37467	13	23	16
R-L21, DF21, Z3000 Clan Colla, S953, BY3164, marker 413b=24							
190653	Beggan		Ireland	R-M269	13	24	15
127469	Biggins	Patrick Biggins 1807 Co Cavan/Monaghan	Ireland	R-BY3164	13	24	15
91030	Bigham		Unknown Origin	R-M269	13	24	15
629651	BIGGINS	James Biggins 1790 Co. Monaghan	Ireland	R-BY3164	13	24	15
N86783	Bigham	Hugh Bigham 1750-1831 Ireland to Lebanon, PA	Ireland	R-BY3164	13	24	15
146867	Biggins	James Biggins 1822 Co Monaghan	Ireland	R-M269	13	24	15
N34030	Beaghen	Francis Beaghen, b.1850 CoMonaghan Ire, d. 1899 NY	Ireland	R-M269	13	24	15
69648	Little	Patrick Beggan born 1779 1821 censusCormeenmore	Ireland	R-L21	13	24	15
166169	Beggan	Beggan	Ireland	R-L21	13	24	15
R-L21, DF21, Z3000 Clan Colla, Z3006, BY3157, marker 570=15-16							
N50180	Little	Hugh Little, b.ca.1819, prob. Ireland; lived in NY	Scotland	R-L21	13	24	14
R-L21, L513, L193							
N101396	Bigham		Unknown Origin	R-M269	13	24	14
R-L21, M222, Niall of the Nine Hostages (Northwest Irish)							
256505	Biggins	Patrick Biggins b. 1807, Cloondaver, Co. Mayo IRE	Ireland	R-M269	13	25	14
125892	Biggins	Henry Biggins, b. 1859, d. 1911 Yorkshire, England	England	R-M269	13	25	14





























STRs of Peter and Sean

Markers 1-12	393	390	19	391	385a	385b	426	388	439	389-1	392	389-2		
Peter	13	24	15	11	11	15	12	12	12	13	13	29		
Sean	13	24	15	11	11	15	12	12	13	13	13	29		
Markers 13-25	458	459a	459b	455	454	447	437	448	449	464a*	464b*	464c*	464d*	
Peter	17	9	10	11	11	25	15	19	28	15	15	17	17	
Sean	17	9	10	11	11	25	15	19	28	15	15	17	17	
Markers 26-37	460	GATA H4	YCA II a*	YCA II b*	456	607	576	570	CDY a	CDY b	442	438		
Peter	11	11	19	23	15	15	17	19	36	38	12	12		
Sean	11	11	19	23	16	15	18	19	36	37	12	12		
Markers 38-47	531	578	395S1a	395S1b	590	537	641	472	406S1	511				
Peter	11	9	15	16	8	10	10	8	10	9				
Sean	11	9	15	16	8	10	10	8	10	9				
Markers 48-60	425*	413a	413b	557	594	436	490	534	450	444	481	520	446	
Peter	0	22	24	16	10	12	12	16	8	12	22	20	13	
Sean	0	22	24	14	10	12	12	16	8	12	22	20	13	
Markers 61-67	617	568	487	572	640	492	565							
Peter	12	11	13	11	11	12	12							
Sean	12	11	13	11	11	12	12							

Genetic Distance of STR Matches

- STR matches with other testers are reported on each member's homepage
- Genetic distance: count of the number of STRs that do not match
- Testers included have GDs of:
 - 0 to 4 on 37-marker page
 - 0 to 7 on 67-marker page
 - 0 to 10 on 111-marker page

My Matches – 67 STRs

Genetic Distance ↑	Name	Earliest Known Ancestor	Y-DNA Haplogroup	Terminal SNP
2	Mr. John James Beggan    Y-DNA67 FF		R-M269	
3	Keith J. Bigham    Y-DNA67		R-M269	
4	Dennis Randall Bigham    Y-DNA67 FF		R-M269	
5	Joseph Rowin    Y-DNA111 FF	Francis Rowan b.1781 Va and d. 1857 Ky	R-M269	
5	Mr. Joseph Plunket    Y-DNA67	Joseph Plunket b1828 LA d 1910-20	R-M269	
5	Mr. Joseph Plunkett     Y-DNA67	Joseph Plunkett b1828 LA d 1910-20	R-M269	
5	Mr. Edward Beggan     Y-DNA111 FF	Beggan	R-L21	L21
5	Mr. Hugh Bigham   Y-DNA111 Big Y-500	Hugh Bigham 1750-1831 Ireland to Lebanon, PA	R-BY3164	BY3164
5	Mr. James Carroll    Y-DNA67		R-M269	

New Matches

- Members are notified by FTDNA when a new tester matches them
- Project administrators are also notified and are able to invite the new testers to join their project

SNP Test Results

Y-DNA: SNPs

- Yes/no rather than a range of values like STRs
- Can be predicted by STRs
- Inherited like surnames and STRs
- Define the family tree of your paternal line

2013 Email to Colla Admins

From: Peter

At the administrator meeting in Houston, FTDNA has announced a new SNP testing program called BIG-Y

It costs \$495 if you order this month.

I have no idea whether it will help us.

I am sure some of our Collas will order it.

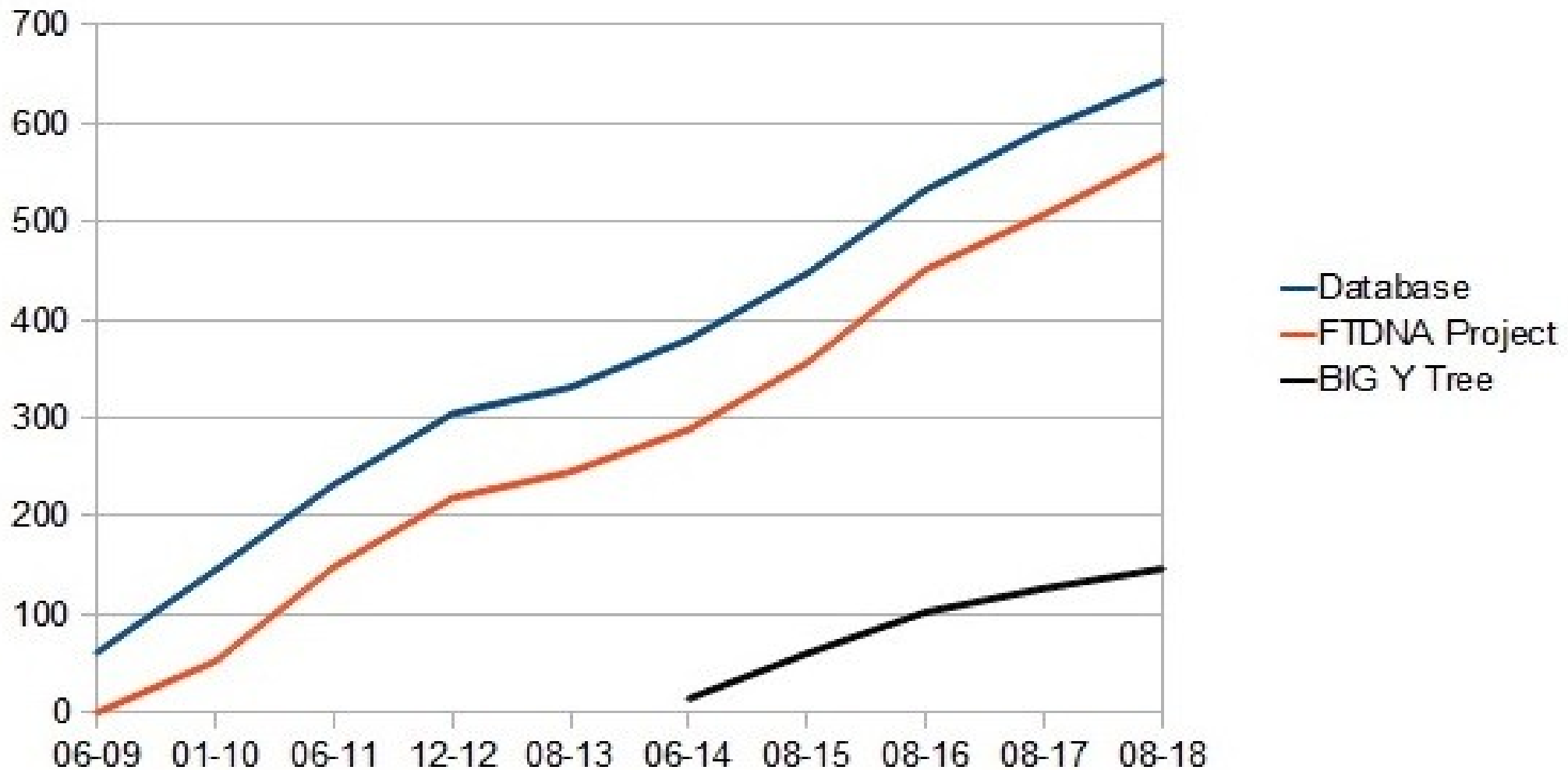
2014 Emails from a Colla

I would like to see more Collas do the Big Y, and would be happy to fund this and other tests.

I have donated \$1,500 to Clan Colla425 project. Please feel free to use this money as you see fit, particularly to assist other members in getting more tests done.

Clan Colla Testers

Men with Clan Colla DNA



Y-DNA: Big Y-500

- “Full genome” testing by Family Tree DNA
- Covers a large portion of the Y chromosome
- Branches defined by two or more men having the same SNP
- Trees constructed by volunteers, FTDNA, YFull
- Private SNPs will form new branches if shared with future testers

Y-DNA: Why Big Y-500

- Specifies one's place on the Y-DNA family tree
- Confirms predicted SNPs
- SNPs down to the present time
- Present and future matches

My Y Haplogroup

- 2008: R-M269 (4400 BC), predicted by FTDNA
- 2008: L21 (2600 BC), predicted
- 2011: DF21 (2100 BC)
- 2013: Big Y
 - Z3000 (100 AD) Colla cousins
 - Z3004/Z3008 (400 AD) Three Collas
 - S953 (500 AD) Colla Uais
- 2015: BY3164 (800 AD) Biggins

Y-DNA: BY3164 SNP

- My “terminal” SNP – the one I share with the fewest number of men
- C changed to A at 8424676 on the human genome (build 19)
- One of 5 SNPs shared with Mark Bigham and Kieran Biggins
- Occurred around 800 AD
- 7 others named Beggan, Beaghen, Little are predicted to have it based on STR 413b=24

Unique Big Y SNPs, hg19

Biggins 127469

8424676-C-A

9646350-G-C

14358670-A-C

14839640-G-A

17705431-C-T

18019516-G-GTA

18647271-C-A

18755369-T-C

19963834-A-G

28816537-T-A

Bigham N86783

8424676-C-A

9646350-G-C

14358670-A-C

14839640-G-A

18647271-C-A

19454555-TA-T

21983582-G-A

22521329-G-T

23072046-T-C

Shared Unique Big Y SNPs, hg19

Biggins 127469

8424676-C-A

9646350-G-C

14358670-A-C

14839640-G-A

17705431-C-T

18019516-G-GTA

18647271-C-A

18755369-T-C

19963834-A-G

28816537-T-A

Bigham N86783

8424676-C-A

9646350-G-C

14358670-A-C

14839640-G-A

18647271-C-A

19454555-TA-T

21983582-G-A

22521329-G-T

23072046-T-C

SNP Tree

Biggins/Bigham

8424676-C-A

9646350-G-C

14358670-A-C

14839640-G-A

18647271-C-A

Biggins 127469

17705431-C-T

18019516-G-GTA

18755369-T-C

19963834-A-G

28816537-T-A

Bigham N86783

19454555-TA-T

21983582-G-A

22521329-G-T

23072046-T-C

Named SNPs

BY3164

BY23666

BY3167

BY3169

BY3181

Biggins 127469

BY116798

18019516-G-GTA

18755369-T-C

19963834-A-G

28816537-T-A

Bigham N86783

19454555-TA-T

BY136848

BY138677

BY142772

Z3000 SNP Tree

- Z3000 (97 AD)
 - Z16270 (233 AD)
 - Z3006 (248 AD)
 - BY3160 (773 AD)
 - A14073 (708 AD)
 - Z3004/Z3008 (407 AD): The Three Collas
 - Z29586 (915 AD)

(Years are extremely rough estimates by Alex Williamson)

Three Collas SNP Tree

- Z3004/Z3008: **Colla Uais**, **Colla Crioch**
 - S953: McDonald, McGuire, Biggins, McAuley
Boylan, Østerud, Connolly
 - BY39825: McDonald
 - F4142: MacDougall, White
 - Z16274: McMahon, Hughes, Carroll, Murphy,
Clarke, McQuillan, Kelly
 - A14079: Hart, Monaghan, Shannon, Hughes
 - BY3163: McGinnis, McKenna, McDonald
 - FGC41930: Duffy

My Current BigY-500 Matches

Big Y-500 - Results

 Export (CSV)

 Download Raw Data

Named Variants

Unnamed Variants

Matching

Z3000

R-Z3000  152

Z3006

R-Z3006  111

Z3008

R-Z3008  104

S953

R-S953  37

BY3164

R-BY3164 **YOU** 2

FTDNA Member SNP Tree

S953	R-S953
A938	R-A938
BY3158 More...	R-BY3158
A14093	R-A14093
BY3249	R-BY3249
A945 More...	R-A945
BY3164 More...	R-BY3164
Y9053 More...	R-Y9053
BY39696	R-BY39696
BY2869 More...	R-BY2869
Y101995	R-Y101995
BY24138	R-BY24138
BY57366 More...	R-BY57366
BY39827 More...	R-BY39827
BY40838 More...	R-BY40838
BY103517 More...	R-BY103517
BY115181 More...	R-BY115181

FTDNA Public SNP Tree

R-S953	16	S953
R-A938	3	A938
R-A945		A945, A946, A948, A949, A950, A951, A952
R-BY3164		BY3164, BY3167, BY3169, BY3181
R-Y9053	1	Y9053, Y9054, Y9055, Y9435, Y9436, Y9437
R-BY2869	1	BY2869, BY2870, BY2871, BY2872, BY2873, Z27678
R-BY24138	1	BY24138
R-BY39827	1	BY39827, BY39826, BY39837, BY39838, BY39842
R-BY103517	1	BY103517, BY117963

Alex Williamson's Big Tree

S953 AM00500

ZZ2
BY516
BY517 F13336
ZZ13

Y9435 FGC36408
FGC36409
Y9053 FGC36410
Y9054 FGC36412
Y9436 FGC36413
Y9055 FGC36414
Y9437 FGC36415
S953? AM00500?

BY2869
BY2870
ZS5953 Z27678
BY2956
BY24495
BY2871
BY2872
BY2873

ZZ14

A938

BY3249
22310335-T-A

A944
A945
A946
A947
A948
A949
A950
A951
A952
BY24385

BY3164
BY23666
BY3167
BY3169
BY3181

BY39827
BY39837
BY39838
BY39842

BY40838
BY40841
FGC1287 Y4986
BY40843

BY24138

BY57366
BY59253
BY80328
Z14583
BY92959
BY108358
BY132465
Z30517
BY53372
BY147474
BY149905
BY152222
Y131875

A937
A939
A940
A941
A942
BY24583
A943
BY3158



A14093



 Edwards
68859
McDonald
367328
McDonald
617821


McDaniel
278275
McDonald
28300
McDaniel
144688
 McEntee
216028
 McDaniel
438540
McDaniel
450856

 Dundas
E10544
McDonald
412502
McDonald
423680 423680
McDonald
442638

King
332859

 McGuire
222108
 McGuire
32277

 Biggins
127469 127469
Bigham
N86783
 Biggins
629651

 McAulay
47703
 McCall
39559

Beeman
113649

Donohoe
97145 97145
 Donahue
368987

Boylan
456444
unknown
844751

unknown
642857

 Osterud
328342
 Osterud
220430
Moen
427429

 Connally
263699
 Conlee
328903
Connolly
78625
 Alexander
N18664
Downworth
569121
Groover
536250 536250

Colla SNP Tree, Based on Alex

S953. Year 478. Probably the SNP of a descendant of Colla Uais

- ZZ2. Year 503

- ZZ14. Year 544. STR 19=15

- A938. Year 718. STR 534=17

- BY3158/A937/9: Edwards 68859, McDonald 367328, McDonald 617821, McDaniel 278275, McDonald 28300, McDaniel 144688, McEntee 216028, McDaniel 438540, McDaniel 450856.

- McDonald 1 subgroup. Year 1252. STR 437=14, 446=14. Includes four McDonalds who trace their ancestry back to Lt. Brian McDonald (MacDonnell), McDonnell of Antrim, Somerled, and Colla Uais in 43 Generations: Colla to McDonald. Probably the SNP of Somerled, who died in 1387.

- BY3249: Dundas E10544, McDonald 412502, Mc Donald 423680, McDonald 442638. McDonald 2 subgroup. Year 919

- Unnamed SNP: King 332859. King subgroup

- A944/5: McGuire 222108, McGuire 32277. McGuire 1 subgroup. Year 1340. STR 438=10, 406S1=11, 481=23

- BY3164: Biggins 127469, Bigham N86783, Biggins 629651. Biggins subgroup. Year 794. STR 19=15, 413b=24, 561=16

- BY39827: McAuley subgroup. Year TBD. STR 19=15, 406S1=9

- BY40838: McAulay 47703, McCall 39559. Year TBD.

- Unnamed SNP: Beeman 113649.

- BY24138. Boylan/Donohoe subgroup. Year 1354. STR 447=26, 437=14

- BY57366: Donohoe 97145, Donohoe 366987. Year TBD.

- Unnamed SNP: Boylan 456444.

- Unnamed SNP: King 844751.

- Unnamed SNP: Larkin 642857. Larkin 2 subgroup.

- FGC36408: Osterud 328342, Osterud 220430, Moen 427429. Osterud subgroup. Year 1561. STR 464b=16

- BY2869: Connally 263699, Conlee 328903, Connelly 78625, Alexander N18664, Downworth 569121, Groover 536250. Connally subgroup. Year 1543. STR 442=11

- Unnamed SNP: Larkin 226712, Larkin 642857. Larkin 2 subgroup. STR 19=15, 607=16, 442=11

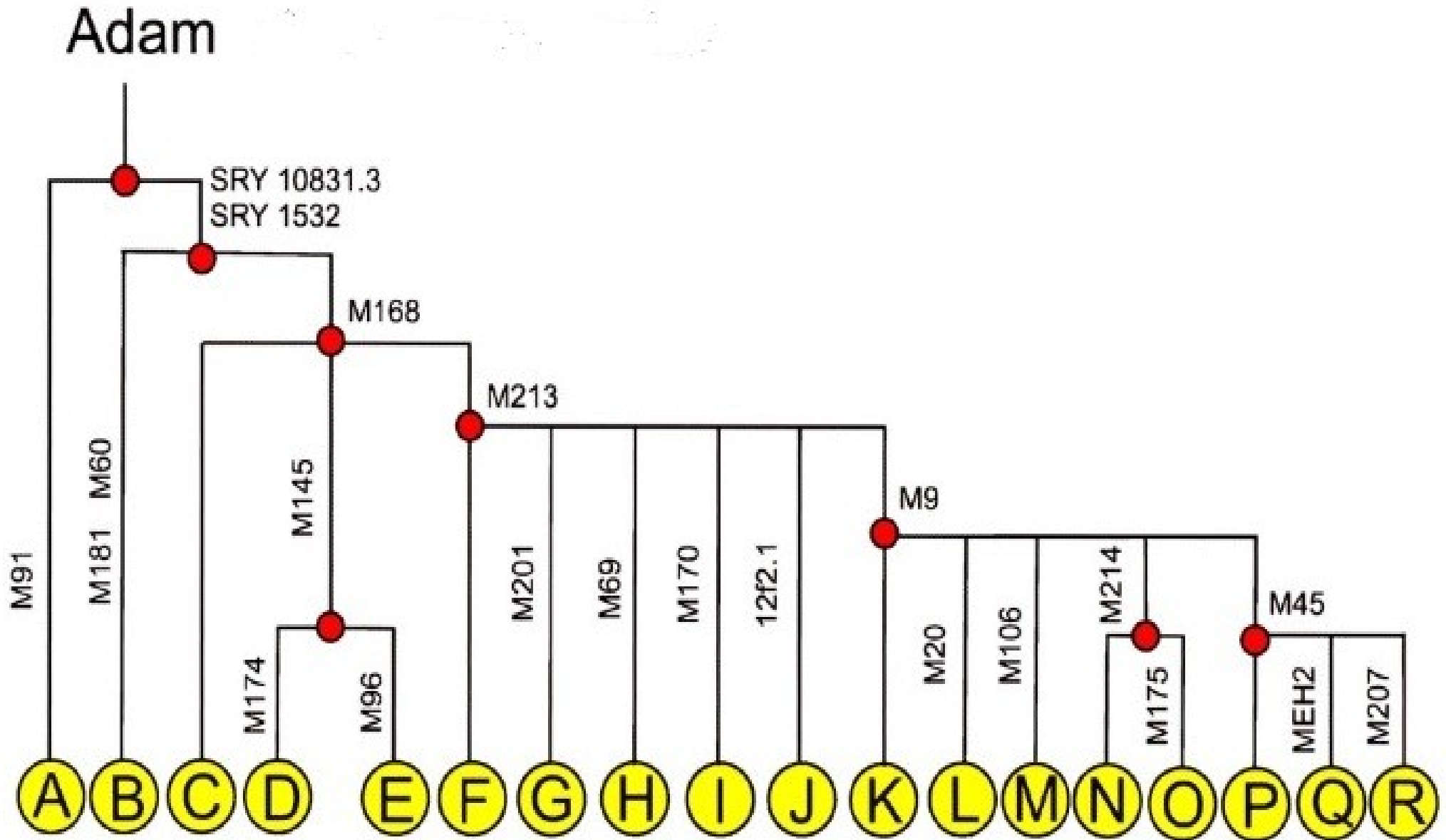
Other Y SNP Trees

- **ISOGG** (limited)
- **YFull** (limited)

My R Pedigree Back to 26200 BC

- M207 – 26200 BC
- M343 – 18400 BC
- M269 – 4400 BC
- P312 – 2500 BC
- L21 – 2200 BC
- DF21 – 2200 BC
- Z16267 – 1500BC
- Z3000 – 50 AD

Y-DNA tree: 133,000 Years



My Migration Map



Y-DNA: Ancient Pedigrees

- Coincidence of surnames between ancient pedigrees and Y-DNA
 - The coincidence of names is not perfect
 - Ancient pedigrees don't pretend to capture all the names
 - They could easily have mistaken names
 - Many names are not very common, and only a small percentage of people have tested their DNA

Y-DNA: Dating & Placing SNPs

- A SNP has no recorded date or place of birth
- SNPs occur randomly and infrequently
- Physicist Iain McDonald has devised a formula
- Physicist Alex Williamson has adapted it for his tree
- Archeological evidence helps
 - Test DNA from bones found in a specific place
 - Carbon-date bones

Y-DNA: Rathlin 1 Man

- In 2006, scientists at Queens University Belfast and Trinity College Dublin uncovered the bones of a man in a Bronze Age cist
- To the rear of McCuaig's Bar on Rathlin Island
 - 25-minute ferry ride from the Glens of Antrim
 - 11 miles from the Mull of Kintyre in Scotland
- Carbon-dated back to 2025-1885 BC
- Y-DNA testing found the DF21 SNP
- Indicates the date of DF21 around 2700 BC

McCuaig's Bar



Bones of Rathlin Man 1



Y-DNA: Historical Pedigrees

- R-M222: [Niall of the Nine Hostages](#)
- R-Y5058: [Breassal Breac](#)
- R-BY20010: [Charles Carroll of Carrollton](#)
- R-FGC5659: [Brian Boru](#)
- R-L1403: [Seven Septs of Laois](#)
- [R-CTS4466](#): [Eoghanachta, Corca Laidhe](#)
- R-FGC6545: [Hy Maine](#)

Y-DNA: Historical Pedigrees

- R-S8350: House of Wettin
- R-L746: Royal Stewart
- R-YP326: John of Islay

Y-DNA: **Mayflower** Descendants

Mayflower Passengers in 1620 Whose Male
Descendants Have Tested Their Y-DNA at FTDNA

John Alden	Francis Eaton	Henry Samson
John Billington	Edward Fuller	George Soule
William Bradford	Samuel Fuller	Myles Standish
William Brewster	Stephen Hopkins	William White
Francis Cooke	John Howland	Edward Winslow
Edward Doty	Thomas Rogers	

Y-DNA: History Debunked

- Clan Colla was not related to
 - Niall of the Nine Hostages
 - Hy Maine
 - Manus Maguires
- Ely Carroll, Brian Boru, and Eoghanachta were not related to each other
- Lords of the Isles were not descended from Somerled

Testing Strategy

Why Y

- Confirm genealogical research
- Break down a brick wall
- Find distant cousins
- Suggest ethnic make-up
- Explain a surname
- Create a genetic pedigree
- Connect with an historic genealogy

Y-DNA: Suggested Approach

- Test men in different lines of your family
- Join surname project at FTDNA
- Buy Big Y-500 – *on sale*
- Contact your matches
- Join haplogroup (SNP) projects
- Join Yahoo discussion group
- Submit Big Y raw data to Warehouse
- Look for ancient pedigrees

MGS Y-DNA Project

- MGS Project at FTDNA
- Y-DNA Page on MGS Website
- Please join the project if you
 - have done Y-DNA testing
 - are a member of MGS

MGS Results Page at FTDNA

Kit Number	Name	Paternal Ancestor Name	Country	Haplogroup	DYS393	DYS390	DYS19	DYS391
I-M223, M284, L126 Isles								
208416	Byrne	William Byrne, b. 1864, Albany, New York	Ireland	I-L126	15	24	15	10
R-L21, CTS4466, Irish Type II/South Irish								
294201	Driscoll	John H. Driscoll b.1824 Kilbonane Co.Cork	Ireland	R-CTS4466	13	24	14	10
R-L21, DF13, Z39589, DF23, M222 Northwest Irish								
180395	Cavett	nelson cavett, b 1810,jackson,oh	Ireland	R-M269	13	25	14	10
252843	McDonnel	Daniel McDonald 1813 Ireland or Scotland	Ireland	R-FGC23592	13	25	14	11
R-L21, DF13, Z39589, DF41 S775, A600								
116493	Matthews	William Mathews, b.c. 1644,Possibly Wales or Holbu	England	R-A600	12	24	14	10
R-L21, DF21, S971, Z3000, S953, BY3164 Clan Colla								
127469	Biggins	Patrick Biggins 1807 Co Cavan/Monaghan	Ireland	R-BY3164	13	24	15	11
146867	Biggins	James Biggins 1822 Co Monaghan	Ireland	R-M269	13	24	15	11
R-L21, FGC5494, A1148, A6342								
176456	Kenyon	John Kenyon, b. ~ 1600	United Kingdom	R-A1309	14	24	15	11
R-L21, L1065 Scottish Cluster								
75783	Christie	Denis Christy b. c1722, Northern Ireland	Ireland	R-M269	13	24	14	10
R-P312, DF27, Y5058								
198624	Carroll	Edmond Carroll, Stonepark, Limerick 1835-1906	Ireland	R-Y5061	13	25	14	11

MGS Project at FTDNA

R-P312, L21, DF13 (2100 BC)					
Z39589			DF21	FGC5494	FGC11134
DF49	L1335	DF41	S971	FGC5561	A353
Z2980	L1065	S775	Z3000	A1149	Z16250
Z2976	Little	A600	Z3004	A1148	CTS4466
DF23	Scottish	(700 AD)	Clan Colla	A1308	South Irish
Z2961	Cluster		S953	A6342	Type II
M222	(300 AD)		BY516	A1309	(100 AD)
Niall			BY3164	(100 BC)	
(100 AD)			(800 AD)		
1810 Ohio	1722 Ireland	1640 UK	1807 Cavan	1600 UK	1824 Cork
Don Cavett	Len Christie	Marc Matthews	Peter Biggins	Pete Kenyon	John Driscoll
			Big Y (present time)		

DNA 101: Some Links

- [R-L21](#) Yahoo Group
- [R-U106](#) Yahoo Group
- [Anthrogenica](#)
- Debbie Kennett - [Cruwys Blog](#)
- Roberta Estes - [DNAeXplained](#)
- Human genome - [Eupedia.com](#)
- Genetic genealogy - [ISOGG.org](#)
- Y-DNA testing - [Iain's primer](#)