

Session 2

How to Pinpoint your Irish Genetic Homeland in 7 simple steps

Use your DNA to rediscover your Scottish Heritage

Scottish
Origenes



www.scottishorigenes.com

Use your DNA to rediscover your Irish Heritage

Irish
Origenes



www.irishorigenes.com

Use your DNA to rediscover your English Heritage

English
Origenes



www.englishorigenes.com

Dr Tyrone Bowes
tyronebowe@gmail.com

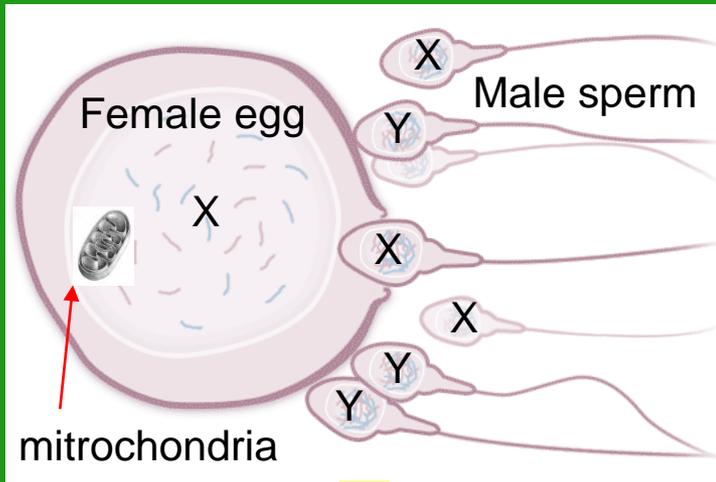


A Crucial Biological event

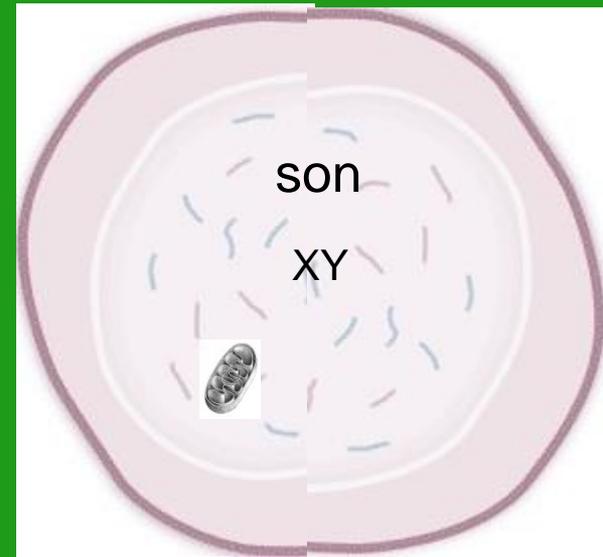
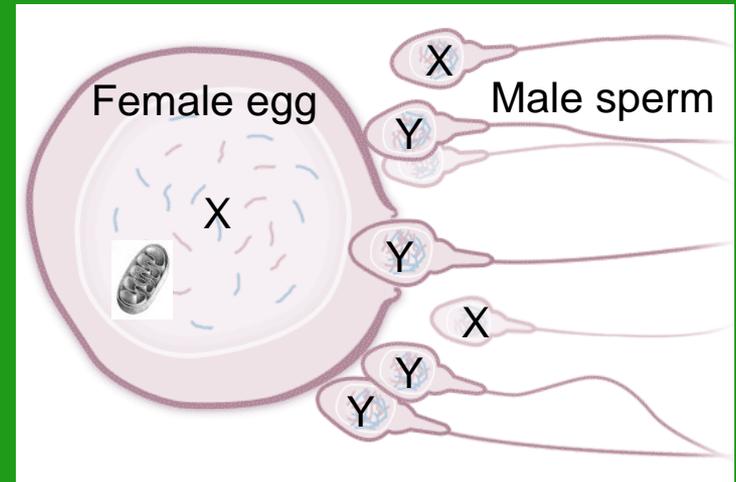
- At the moment of conception we receive a complete complement of DNA, **half from our mother and half from our father**; 23 pairs of Chromosomes.
- The XY pair of chromosomes determines the sex of the child.
- **Males are XY**
- **Females are XX**
- Male sperm can only carry either an X or Y Chromosome
- The female egg carries additional DNA called mitochondrial DNA (mtDNA)



Senario 1



Senario 2



All Mitochondrial DNA comes from the mother
Y chromosome is passed from father to son through the generations

There are 3 main tests

Y-DNA

mtDNA

Autosomal DNA test

	Commercial ancestral DNA test		
	Y-DNA	mtDNA	Autosomal
Who can take this DNA test?	males only	females only	males and females
Pinpointing a geographical origin (how specific is it)	very specific to within a 5 mile radius	Country/Geographical region	not applicable
Time Scale (to shared ancestry)	when surnames became common (e.g. 1000 years ago in Britain)	thousands of years	150-200 years
Can the link to an area be confirmed	Yes	Yes	not applicable



Order your commercial ancestral DNA test



Surnames of Ireland Map
Click here to preview or purchase

ARE YOU TRYING TO MAKE SENSE OF YOUR Y-DNA TEST RESULTS?
THEN
CLICK HERE
TO VIEW CASE STUDIES
OR TO ORDER YOUR OWN CASE STUDY AND PINPOINT YOUR GENETIC HOMELAND

Irish Origenes

use your DNA to rediscover your Irish heritage





Castles of Ireland Map
Click here to preview or purchase



Clan Territories of Ireland Map
Click here to preview or purchase

MAIN MENU

- Home
- About me
- Blog
- View Case Studies
- The Databases
- Shop
- Video Tutorial
- Contact me

RESEARCH TOPICS

Irish History



HOW TO PINPOINT YOUR IRISH GENETIC HOMELAND IN 7 SIMPLE STEPS



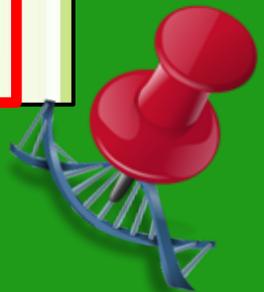
Dr Tyrone Bowes



Are you a Warrior?

Recent studies have linked the Warrior Gene to increased risk-taking

[Click here](#)



Select which test you want from the drop down menu

Select A Product

Tests Available For Male Female

Please select the gender of the person(s) who will take the test. If you are interested in an autosomal DNA test such as Family Finder then you may select either gender.

Product:

Price:

Product Description:

 **VERIFIED & SECURED**
VERIFY SECURITY
Go Daddy

PRODUCTS	PROJECTS	ABOUT	LEARNING CENTER	FTDNA COMMUNITY
Male Line Testing	Y-DNA Surname	Who's Who at FTDNA	DNA For Your Genealogy	Subscribe To Facts & Genes
Female Line Testing	Y-DNA Geographical	About DNA for Genealogy	Glossary Of Terms	View Latest Newsletter
Family Finder	MT Geographical	Our Test Kit	Books and Videos	View Newsletter Archives

X chromosome. Recent studies have linked the Warrior Gene to increased risk-taking and other activities, scientists found that individuals with the Warrior Gene variant were more likely to be aggressive. However, human behavior is complex and influenced by many factors, including genetics and environment. Individuals with the Warrior Gene variant are not necessarily more aggressive, but according to scientific studies, are more likely to be aggressive. This test is available for both men and women, however, there is limited research about the genetic variant of MAO-A can be found in Sabol et al, 1998.



All the ancestral DNA tests consists of a simple swab of cheek cells (which contain your DNA) from the inside of your mouth

Swab the cells and return it to the DNA testing company



mtDNA

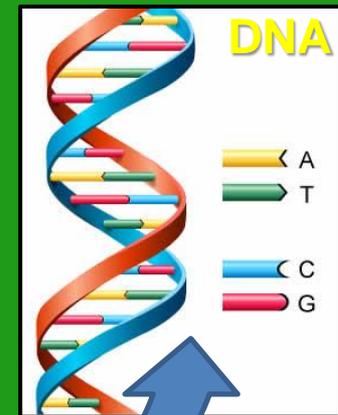
Autosomal DNA test Y-DNA

	Commercial ancestral DNA test		
	mtDNA	Autosomal	Y-DNA
DNA examined	mitochondrial	all	Y chromosome
Who can take this DNA test?	males and females	males and females	males only
Pinpointing a geographical origin (how specific is it?)	large geographical region	not applicable	very specific (to within a 5 mile radius)
Time Scale (to shared ancestry)	tens of thousands of years	150-200 years	when surnames became common (e.g. 1000 years ago in Britain)
Can the link to an area be confirmed?	Yes	Yes	Yes





mitochondria



- The test looks at Markers in the mitochondrial DNA.
- The company compares these markers to others on their database who have also taken the mtDNA test

You will receive an email notification when your results are ready
Go to the Family Tree DNA Homepage and log in using your personal Login details

FamilyTreeDNA
HISTORY UNEARTHED DAILY

Follow Us | Careers | Privacy | Contact Us

Website Search

Home | Products | Projects | Testimonials | FAQ | About | Feedback | Login

Search Your Last Name

Equals

Welcome To Family Tree DNA

90% of genealogists choose Family Tree DNA – with the largest DNA database.
As of November 9, 2012, we have a total of 398,107 records! [more statistics...](#)

Y-DNA Testing	Family Finder Testing	mtDNA Testing
Starting at \$169	Starting at \$289	Starting at \$159
<i>One time payment - no subscription fee</i>	<i>One time payment - no subscription fee</i>	<i>One time payment - no subscription fee</i>
Verify if you share a Surname or a Paternal Line	Find relatives across all Lines, both male & female	Verify if you share a Maternal Line
Learn More	Learn More	Learn More





FTDNA Login

Returning Customer

Kit No. or Username

Password

Remember me

[LOG IN](#)

[Forgot Your Password?](#)

If this is a public computer or you share it with others, we suggest that you do not check the Remember Me box. By checking this box, your login information is being stored and may give another user of this computer unauthorized access to your personal information.



[Go Daddy](#)



[Go Daddy](#)

New Customer Join Family Tree DNA

Family Tree DNA is dedicated to helping genealogists find lost relatives when the paper trail hits a brick wall. Our service was created for the serious amateurs and the professional genealogists who wish to extend their family trees by confirming a link where no conventional source records exist.

[ORDER YOUR TEST NOW!](#)



Project Search

Equals



[Search Tips](#)

[SEARCH](#)

About DNA For Genealogy

[Watch](#) Family Tree DNA President & CEO Bennett Greenspan discuss DNA testing for Genetic Genealogy.

[Watch more videos here.](#)



View Our Test Kit

[View](#) the Family Tree DNA test kit consisting of two cheek swabbers and two



Examining your maternal line through commercial ancestral DNA testing

The mtDNA test

myFTDNA Family Tree DNA

Welcome, John Doe - Kit No: 000000 Logout

Home My Account Projects Family Finder Y-DNA mtDNA Other Results Resources Order An Upgrade

mtDNA - Matches

FILTER MATCHES

Check Matches for: HVR1, HVR2 Matches Per Page: 25

Last Name Starts With: (Optional) New Since: RUN REPORT

HVR1, HVR2 - 97 MATCHES Page: 1 2 3 4 of 4

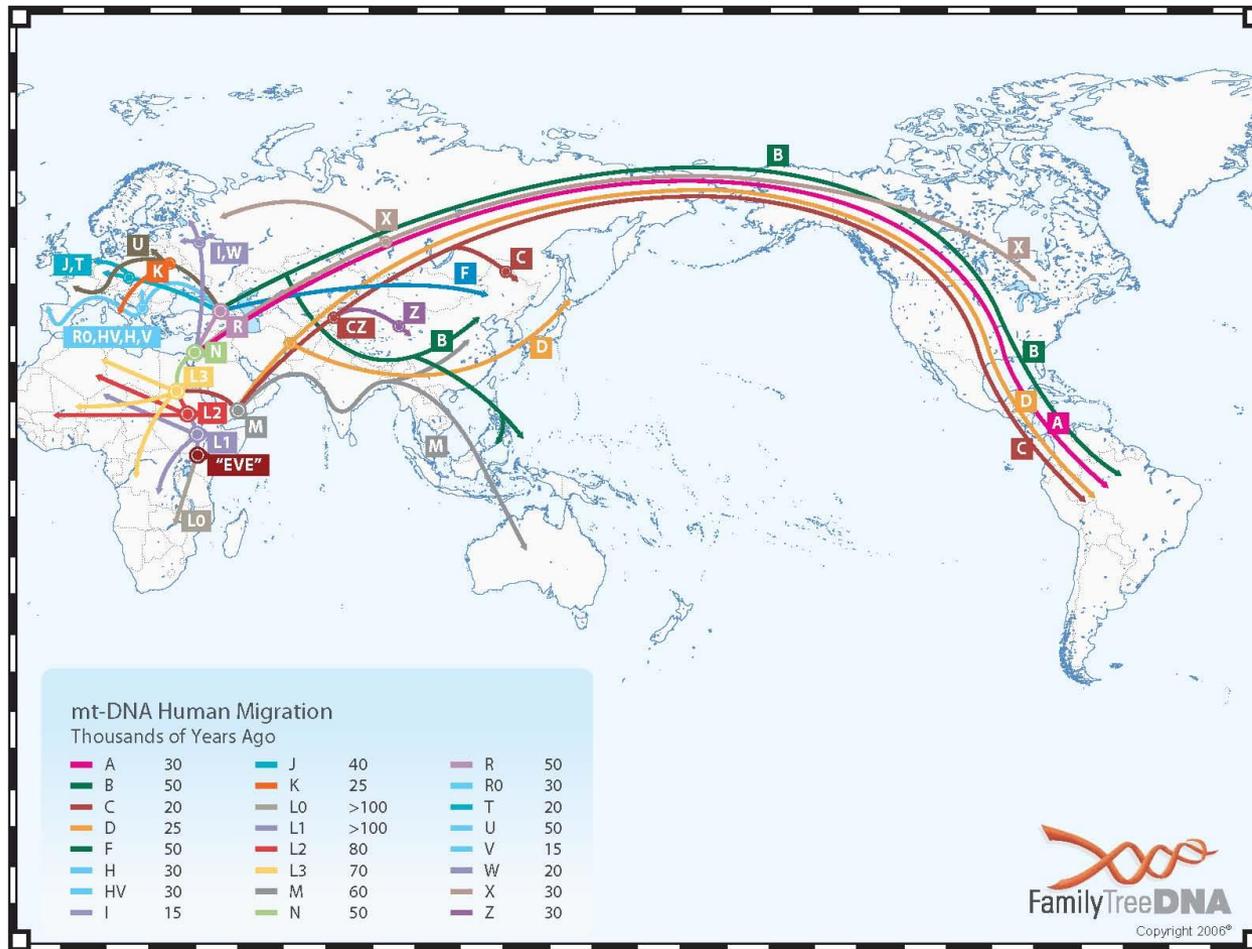
Name	Most Distant Ancestor	mtDNA Haplogroup	Match Date
Jane Doe	HVR2	H	2/13/2012
Joe Doe	Private	Private	2/6/2012
Jane Smith	HVR2	H	12/12/2011
Joe Brown	HVR2 FF	H	11/2/2011
John Doe	HVR2	H	10/17/2011
Mary Doe	HVR2 Austria	H	8/19/2011
John Smith	HVR2	H	8/19/2011
John Brown	HVR2	H	7/22/2011
John Smith	HVR2	H	7/15/2011
Joe Smith	HVR2	H	7/1/2011

Your mtDNA haplogroup

What your mtDNA results look like



Interpreting your mtDNA results



- The female line in Ireland is subject to less population migrations
- However without a link to surnames or land inheritance it can be more difficult to pinpoint a maternal origin within Ireland
- Pinpointing a maternal origin in Ireland may require females living in different parts of Ireland testing
- Computer analysis

Pinpointing your Maternal Irish origin

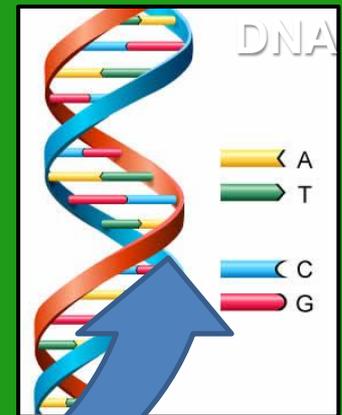
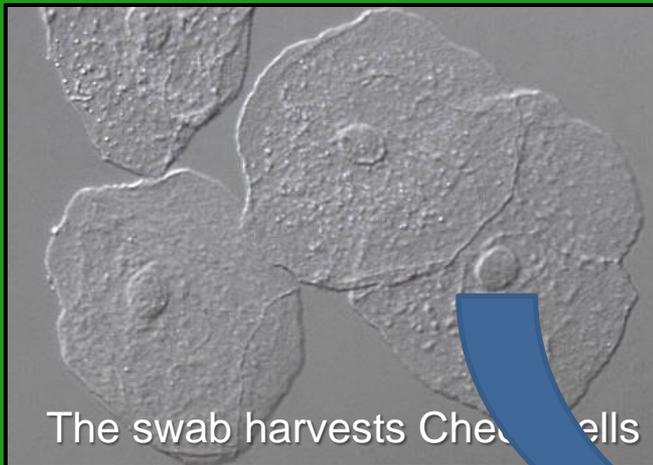
- Possibly 20 maternal Eve's who contributed to the Irish gene pool.
- Pinpointing your maternal origin will require a database of females living in Ireland testing
- Take a full mtDNA test and reveal a match to females/males in a particular part of Ireland.



mtDNA
Autosomal DNA test
 Y-DNA

	Commercial ancestral DNA test		
	mtDNA	Autosomal	Y-DNA
DNA examined	mitochondrial	all	Y chromosome
Who can take this DNA test?	males and females	males and females	males only
Pinpointing a geographical origin (how specific is it?)	large geographical region	not applicable	very specific (to within a 5 mile radius)
Time Scale (to shared ancestry)	tens of thousands of years	150-200 years	when surnames became common (e.g. 1000 years ago in Britain)
Can the link to an area be confirmed?	Yes	Yes	Yes





- The test looks at Markers in all your DNA (50% from mother, 50% from father).
- The company compares these markers to others on their database who have also taken the autosomal DNA test

There are a number of different companies that provide autosomal DNA testing

FTDNA

23 and Me

myFTDNA Family Tree DNA

Welcome, John Doe - Kit No: 000000 Logout

Home My Account Projects Family Finder Y-DNA mtDNA Other Results Resources [Order An Upgrade](#)

Family Finder - Matches [+ Page Help](#) [Interactive Tour](#) [Feedback](#) [Refer Friends & Family](#) [A](#) [A](#) [A](#)

Filter Matches By: Relations: Exact Spelling for Matches Hide 3rd Party Matches

Name: Ancestral Surnames: [FILTER](#)

Name	GENELOGICAL MATCHES BASED ON DNA					KNOWN GENEALOGY	
	Match Date	Relationship Range	Suggested Relationship	Shared cM	Longest Block	Known Relationship	Ancestral Surnames (Bolded names match your surnames)
Mark Doe Y-DNA111 FMS	3/29/2010	Parent/Child	Parent/Child	3380.67	267.21	ASSIGN	Doe Smith Taylor Johnson Williams Jones
Joe Doe	7/30/2010	Parent/Child	Parent/Child	3382.30	219.10	Mother	Doe Johnson Williams Pike Jones Wilson
Jane Doe	4/13/2010	Full Siblings, Half Siblings, Grandparent/Grandchild, Aunt/ Uncle, Niece/ Nephew	Grandparent/Grandchild, Half Siblings	1998.50	198.87	Grandmother	Brown Doe Johnson Williams Jones
Mary Doe HVR1	5/16/2011	Parent/Child, Full Siblings	Full Siblings	2837.92	191.35	(Pending) ASSIGN	Doe Brown Smith Jones

List View Map View Surname View

surname	closest relative	count	enrichment
Garcia	4th Cousin	25	150
Lopez	3rd Cousin	16	150
Ruiz	4th Cousin	12	150
Gonzales	4th Cousin	13	134
Romero	4th Cousin	12	133
Montoya	4th Cousin	9	133
Martinez	4th Cousin	21	130
Padilla	4th Cousin	9	128
Valenzuela	4th Cousin	8	127
Gonzalez	4th Cousin	15	124
Ortega	4th Cousin	9	124
Moreno	3rd Cousin	10	120
Estrada	4th Cousin	8	118
Garduno	4th Cousin	5	118
Carrillo	4th Cousin	7	107
Trujillo	5th Cousin	8	104
Flores	4th Cousin	10	101
Sanchez	4th Cousin	12	100
Perez	4th Cousin	12	96
Castillo	4th Cousin	8	93
Dominguez	4th Cousin	7	90
Cota	4th Cousin	5	89
Hernandez	4th Cousin	11	88
Gallegos	4th Cousin	6	86
Gutierrez	4th Cousin	8	79
Rodriguez	4th Cousin	11	68
Morales	4th Cousin	7	68
Villarreal	4th Cousin	5	68
Serrano	4th Cousin	5	67
Medina	4th Cousin	6	65
Chavez	3rd Cousin	6	60
Franco	3rd Cousin	5	60

Details people with whom you share a common male ancestor over the last 150 years

Frequency of different surnames in your recent ancestry

You will get lots of matches to lots of people with whom you share a common male or female relative over the last **150** years

It is up to you to figure out how and when your common ancestor lived (the results do predict the relationship; **1st, 2nd, 3rd, 4th cousin** etc..)

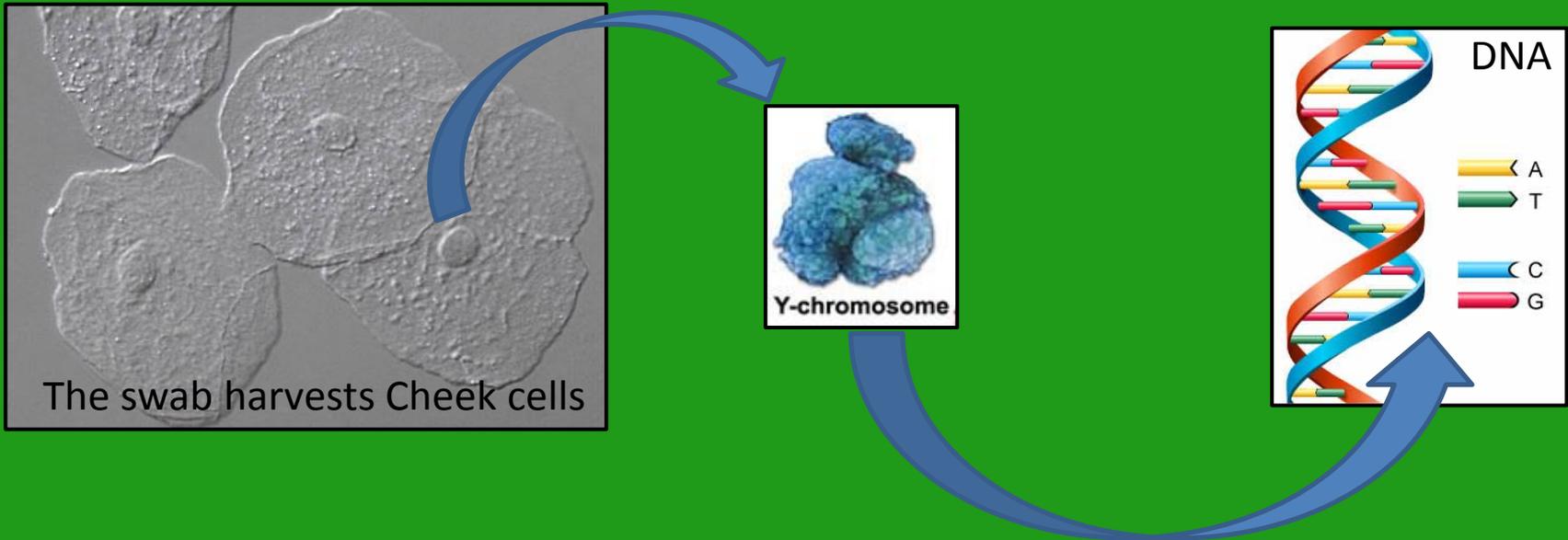
If you want to answer questions of where your ancestors lived in Ireland using autosomal DNA testing **get an older relative to test**

mtDNA Autosomal DNA test Y-DNA

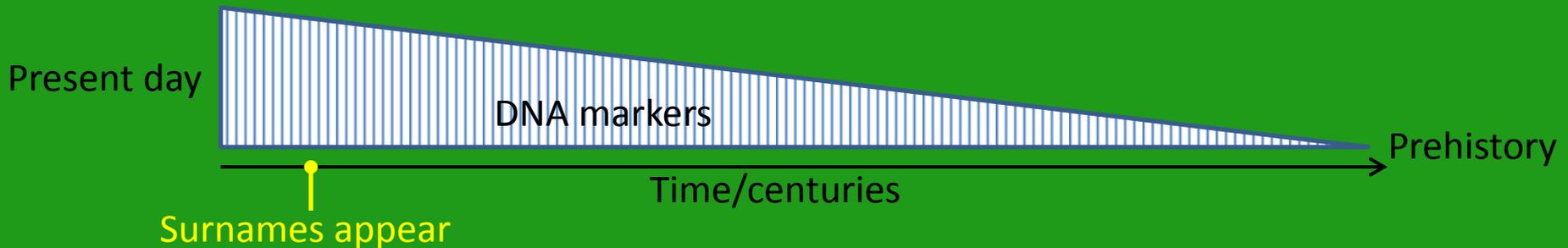
	Commercial ancestral DNA test		
	mtDNA	Autosomal	Y-DNA
DNA examined	mitochondrial	all	Y chromosome
Who can take this DNA test?	males and females	males and females	males only
Pinpointing a geographical origin (how specific is it?)	large geographical region	not applicable	very specific (to within a 5 mile radius)
Time Scale (to shared ancestry)	tens of thousands of years	150-200 years	when surnames became common (e.g. 1000 years ago in Britain)
Can the link to an area be confirmed?	Yes	Yes	Yes



Step 1: Take the Y-DNA test



- The test typically looks at 37 or 67 bits (or Markers) on the Y chromosome.
- The company compares these markers to others on their database who have also taken the Y-DNA test
- The more of the markers you share with someone the closer your shared ancestor lived (e.g brothers would match at 37/37 or 67/67 markers)



ADVANTAGES OF Y-DNA TESTING

It is easier to determine shared ancestry with someone when you share a surname. Surnames, land, and the Y chromosome are typically passed from father to son through the generations.

This is what your DNA test results will look like

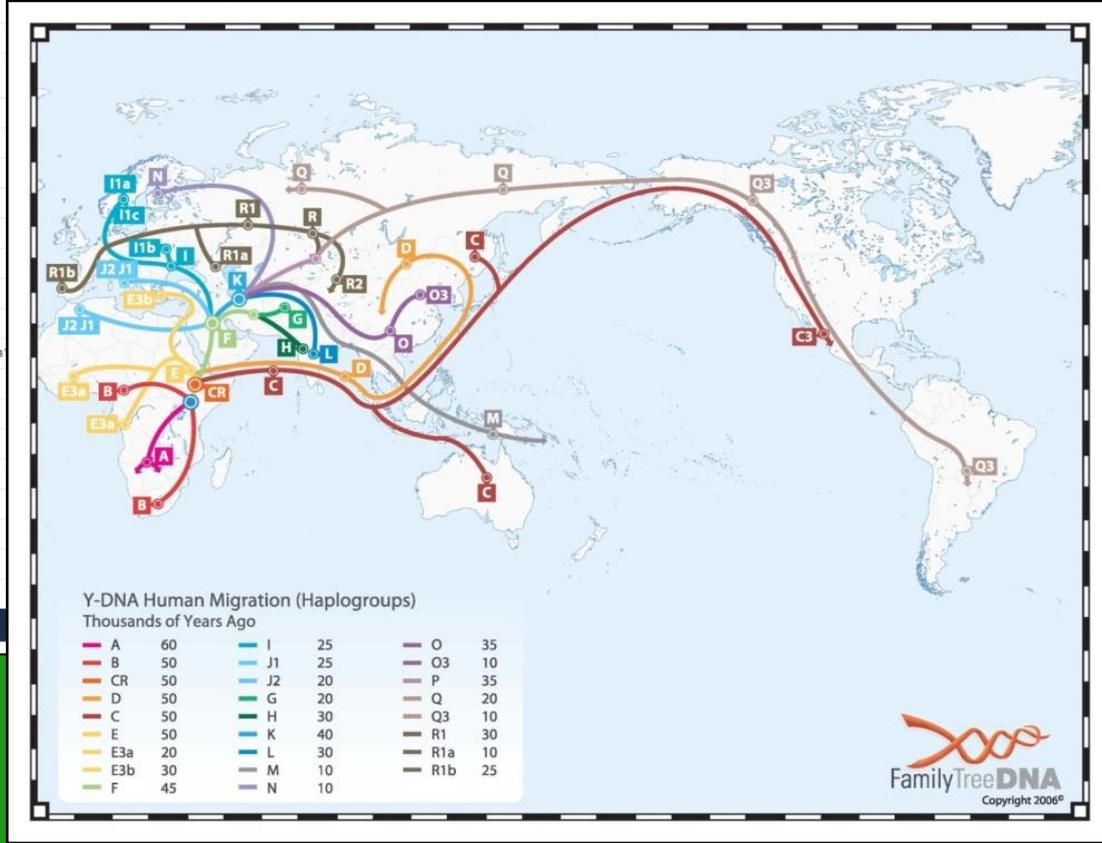
My Bowes Y-DNA results

37 MARKERS - 88 MATCHES

Page: 1 2 3 4 of 4

Steps	Name	Y-DNA	Most Distant Ancestor	Y-DNA Haplogroup	Terminal SNP	Match Date
1	[Redacted] Carroll	Y-DNA87		R1b1s2a1a1b	P312	3/14/2008
2	[Redacted] Dooley		Private	Private	Private	11/20/2009
2	[Redacted] C. Maloney	Y-DNA37	William Maloney, b. 1854 and d. 1918	-		7/24/2008
2	[Redacted] Dooley	Y-DNA87	H02/02 -Thomas Dooley, b.1804, Danesfort, Kilkenny	-		4/30/2008
2	[Redacted] w Dillon	Y-DNA87		-		2/18/2008
2	Mr. Prendergast		Private	Private		
2	Mr. Springer		Private	Private		
3	[Redacted] Redmond	Y-DNA37				
3	[Redacted] le Green	Y-DNA67	1965, New York	-		
3	[Redacted] Dooley	Y-DNA87	John Dooley b. 15 July 1823	-		
3	[Redacted] Murphy	Y-DNA111	Neil McMurfie Ballynamony, Lurgan Co Armagh 1831	-		
3	Mr. Bowe		Private	Private		
3	Dr. Roach		Private	Private		
3	[Redacted] e Dooley	Y-DNA37		-		
3	[Redacted] A Fuller	Y-DNA87	Thomas Fuller b 1775	-		
3	[Redacted] Bowe	Y-DNA87	Michael Bowe, b- 1858 (son Patrick b. 1878 Laois)	-		
3	[Redacted] w Murphy	Y-DNA111	Edward Murphy lived Lurgan 1890 died 1705 Ireland	R1b1s2a1a		
3	[Redacted] Martin	Y-DNA87	Samuel Andrew Martin, born 29 Sep 1849 in TN prob.	-		
3	[Redacted] n Kelly	Y-DNA87	James Kelly, 1858 - c1902	-		
3	Coonan		Private	Private		
3	Crow		Private	Private		
3	[Redacted] Burton	Y-DNA37		-		
3	Flanagan		Private	Private		
3	[Redacted] Carroll	Y-DNA87	Patrick Carroll	-		
3	Duke		Private	Private		

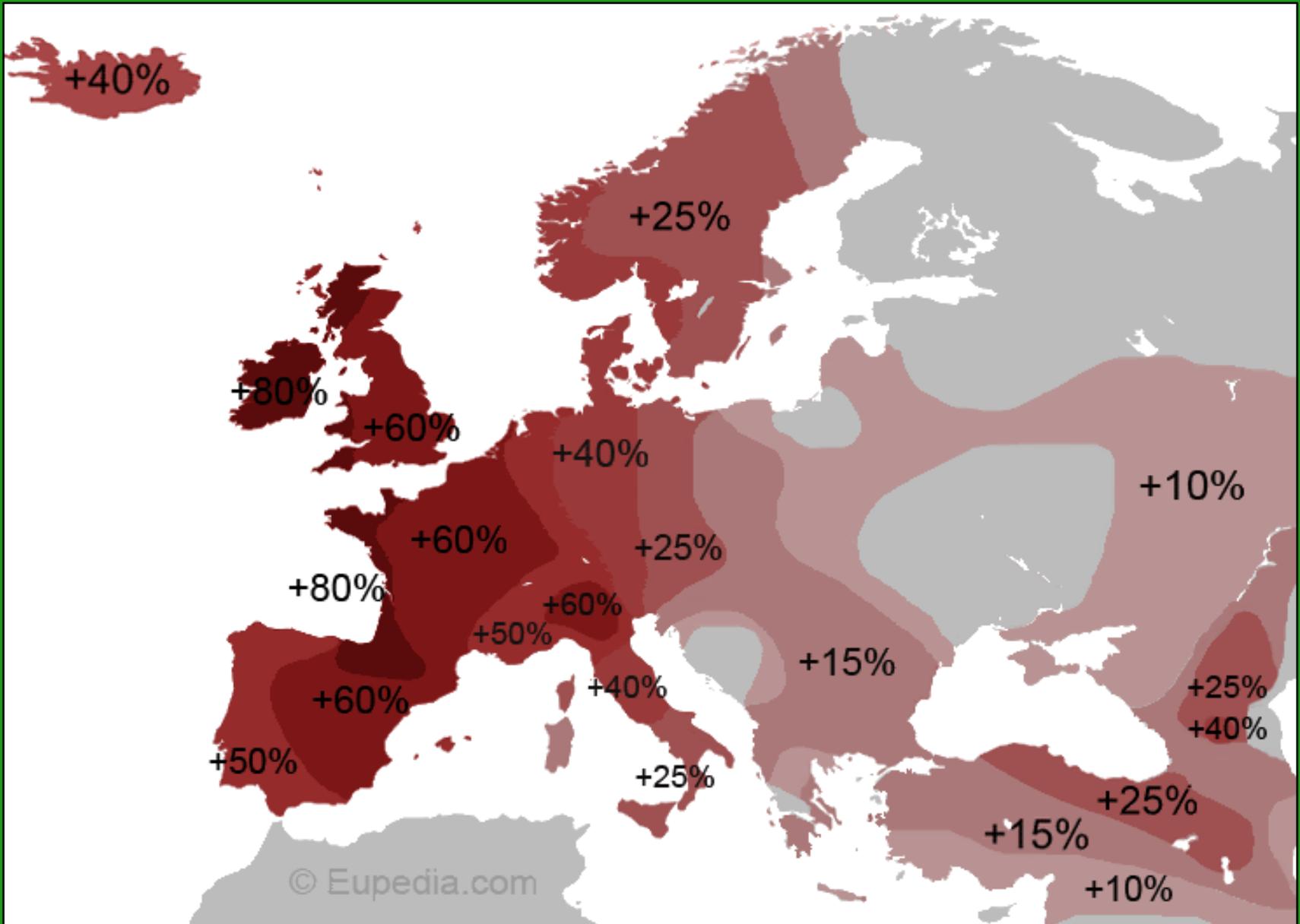
↓ My Haplogroup!



↑ People I share a common male ancestor with!
(who have also Y-DNA tested)



R1b is the most common haplogroup in Europe



Denotes a specific mutation that appeared in a single male about 18000 years ago

Haplogroup confirms my European origin

Step 2: Identify recurring surname matches

67 MARKERS - 46 MATCHES

Steps	Name	Most Distant Ancestor	Y-DNA Haplogroup	Terminal SNP	Match Date
3	[Redacted] Bowe ←	Michael Bowe, Ballycuddilly, Johnstown, Kilkenny, I	-	-	1/19/2012
3	Mr. Prendergast	Private	Private	Private	10/8/2010
4	[Redacted] Bowe ←	Private	Private	Private	10/8/2010
4	[Redacted] Carroll ←	Private	R1b1a2a1a1b	P312	10/8/2010
4	[Redacted] Bowes ←	Private	Private	Private	10/8/2010
4	Flanagan →	Private	Private	Private	10/8/2010
4	Mr. Springer	Private	Private	Private	10/8/2010
5	[Redacted] Redmond	REDMOND	REDMOND	REDMOND	3/7/2013
5	[Redacted] Springer	Lawrence Springer, b. 1747, New York, New York	Private	Private	8/2/2011
5	Flanagan →	Private	Private	Private	10/8/2010
5	Dr. Flanagan →	Private	Private	Private	10/8/2010
5	[Redacted] Lee	Patrick Lee, b.c. 1830, Ireland	-	-	10/8/2010
5	Flanagan →	Private	Private	Private	10/8/2010
5	[Redacted] Carroll ←	Patrick Carroll	Private	Private	10/8/2010
5	[Redacted] Springer Jr.	SPRINGER, Lawrence	Private	Private	10/8/2010
5	[Redacted] Bowe ←	Edmund Bowe 1728-1754, Bowe, Kilkenny, Ireland	Private	Private	10/8/2010
6	[Redacted] Green	1905, New York	Private	Private	10/26/2012
6	[Redacted] Dooley ←	John Dooley b. 1747, New York, New York	Private	Private	3/5/2012
6	[Redacted] Springer	John Springer b. 1820 and d. 1880	-	-	8/2/2011
6	[Redacted] Martin	Samuel Andrew Martin, born 29 Sep 1849 in TN prob.	-	-	5/5/2011
6	Duke	Private	Private	Private	2/11/2011
6	[Redacted] Carroll ←	Denis Carroll	Private	Private	10/8/2010
6	[Redacted] Purcell	Private	Private	Private	10/8/2010
6	[Redacted] Purcell	Private	Private	Private	10/8/2010
6	[Redacted] Mitchell	Private	R1b1a2	M289	10/8/2010
6	[Redacted] Flanagan Jr. →	Private	-	-	10/8/2010
6	[Redacted] Springer	SPRINGER, John	Private	Private	10/8/2010
6	Flanagan →	Private	Private	Private	10/8/2010
6	Flanagan →	Private	Private	Private	10/8/2010
6	Dooley ←	Private	Private	Private	10/8/2010
6	[Redacted] Kelly	James Kelly, b. 1804, Danesfort, Kilkenny	Private	Private	10/8/2010
6	[Redacted] Bowe ←	William Bowe, Kilkenny (most likely) Ireland	R1b1a2a1a1b4	L21	10/8/2010
6	[Redacted] Dooley ←	H02/02 -Thomas Dooley, b.1804, Danesfort, Kilkenny	-	-	10/8/2010
7	[Redacted] Murphy	Neil McMurrie Ballynamony, Lurgan Co Armagh 1831	Private	Private	2/23/2012
7	[Redacted] Roach	William P. Roach, b. 1822, KY	Private	Private	12/12/2011
7	[Redacted] Martin	William Martin b. 1733	Private	Private	10/8/2010
7	[Redacted] Crow	CROW, George Washington, b. 1822, KY	Private	Private	10/8/2010
7	[Redacted] Dillon	Private	Private	Private	10/8/2010
7	[Redacted] Springer	SPRINGER	Private	Private	10/8/2010
7	[Redacted] Neal	Irish Jim Mulvaney, b. 1822, KY	Private	Private	10/8/2010
7	[Redacted] Purcell	thomas purcell, 1720-1779	Private	Private	10/8/2010
7	[Redacted] Carroll ←	Edward Carroll, b. 1822, KY	Private	L21	10/8/2010
7	[Redacted] Carroll ←	John Carroll, 1830-1910	Private	Private	10/8/2010
7	Todd Y. Purcell	Private	Private	Private	10/8/2010
7	[Redacted] Weston	William Weston B Feb 1874 D 28 Apr 1713 Bishops	Private	Private	10/8/2010
7	[Redacted] (Flanagan) →	Flanagan John Westmeath Ireland b, c. 1817	R1b1a2a1a1b4	L21	10/8/2010

Examining the surnames of the people I share a male ancestor reveals some interesting things!!

Of about 300,000 people who have taken a Y-DNA test I am a close match to 46 of them

I match others called Bowe(s) but I also match people with surnames that frequently recur as genetic matches

How can I share a common male ancestor with people with different surnames?

These surnames arose among a group of related males living in a specific location

Examine where these surnames occur and you will reveal an area common to all... that will be where your direct male ancestor lived 1000 years ago when surnames became common

Classify surnames according to the point at which they first appear as a genetic match

	67 marker								37 marker				
	exact	-1	-2	-3	-4	-5	-6	-7	exact	-1	-2	-3	-4
Bowes	-	-	-	Bowe/Bowes (x7)	Carroll (x15) Springer (x6)¹ Flanagan (x7)	Lee (x5)	Green (x3) Dooley (x8) Purcell/Pursel (x6) Mitchell (x2) Martin (x5) Kelly (x8)¹	Crow (x5) Murphy (x3) Roach (x2)	-	-	Fuller (x2)	-	Treacy/Tracy (x4) Ainsworth (x4)¹ Smith (x20)² Egan (x5) Ryan (x15) Wray/Ray (x5) Norman (x4)¹ Bathurst (x2) Ferguson (x5)² Raines/Rains (x5) Bird (x3) Rainey (x2) Powell (x3)
TIMELINE	2000-1800AD	1800-1600	1600-1400	1400-1200	1200-1000	1000-800	800-600	600-400AD					

Figure 2: Reoccurring surname matches for test subject Bowes as revealed by commercial ancestral Y-DNA testing. Each Surname appears at the earliest point at which it occurs as a DNA match, for example the first match with a Bowe or Bowes occurs at 64 of 67 markers but not all Bowe/Bowes will match at that level. In brackets are the number of different individuals that occur as a match. Coloured font is indicative of the ethnicity associated with each surname; **Irish**, **Norman/English**, **Scottish**, black font indicates surnames with multiple possible ethnicities. Surnames in bold occur greater than 3 times. ¹Multiple individuals from the same close family tested, these are excluded from further analysis. ²The majority of these matches occur at the 12 marker level and hence the shared ancestry may be coincidental.

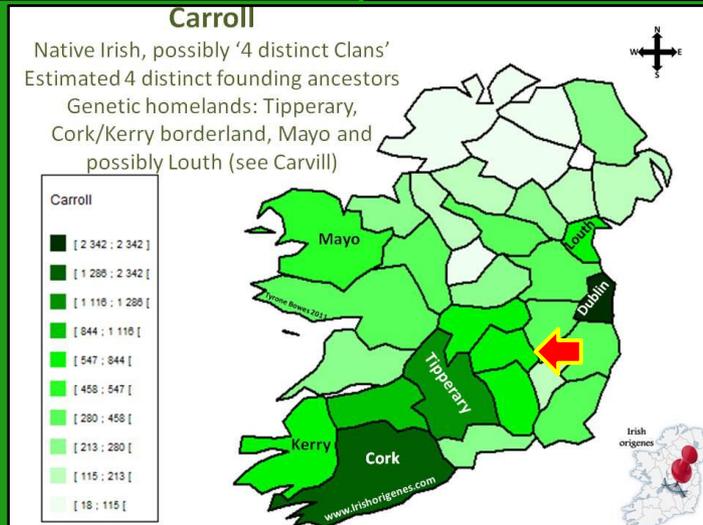
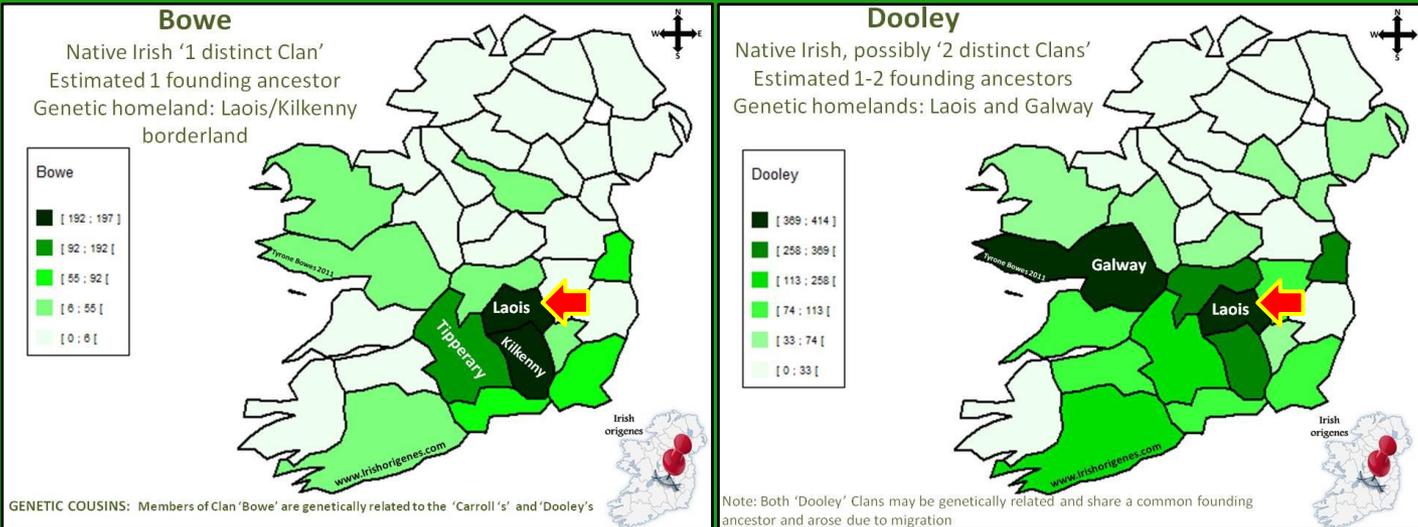
These (recurring) surnames will have arisen among a group of related individuals living in a specific location!

Plot where those surnames occur using census data and you'll reveal a common area of association (where ones direct male ancestor lived 1000 years ago)



Step 3: Examine surname distribution

Irish Origenes Surname Distribution Map Database

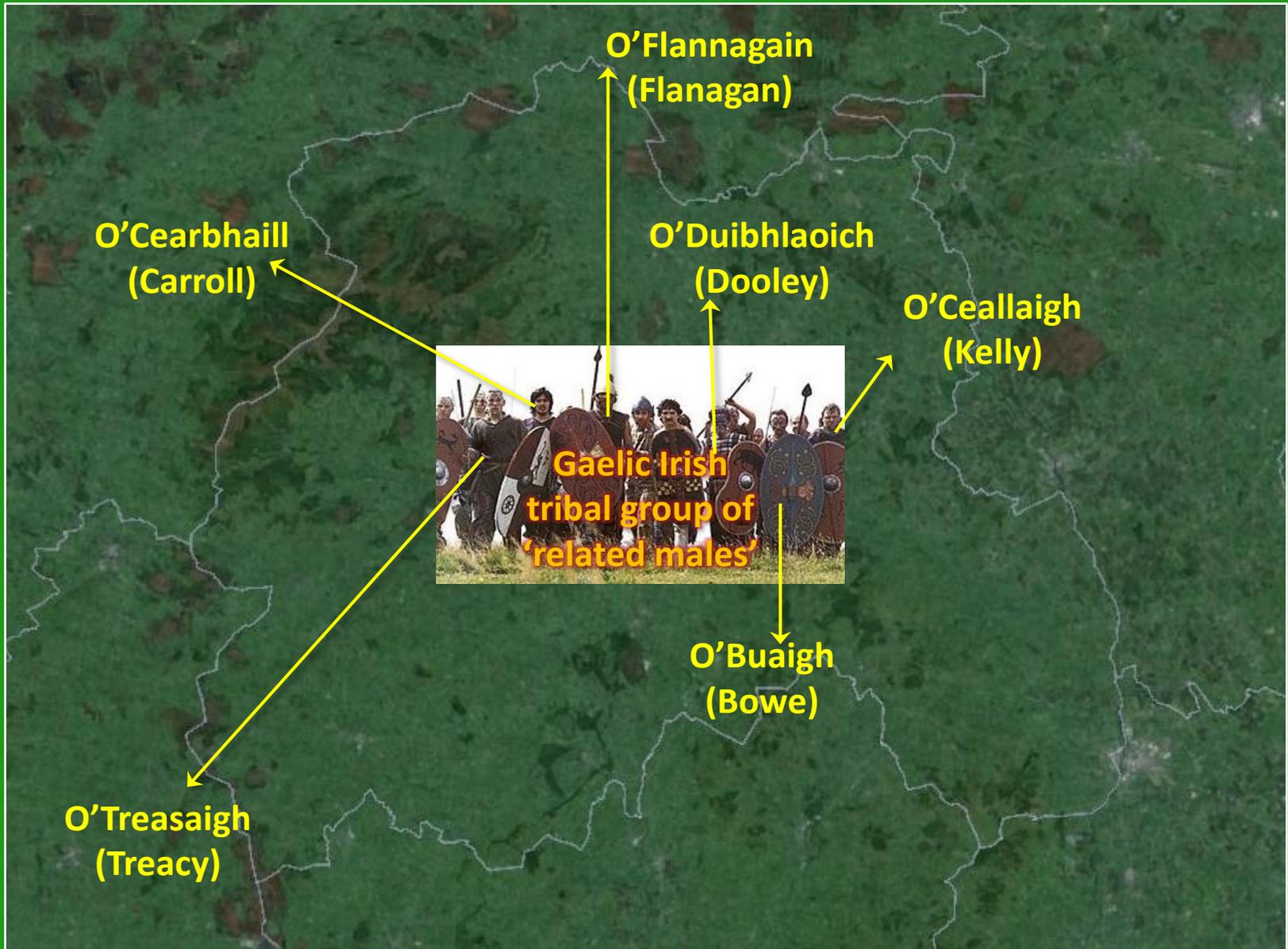


An ancestral link with County Laois is revealed

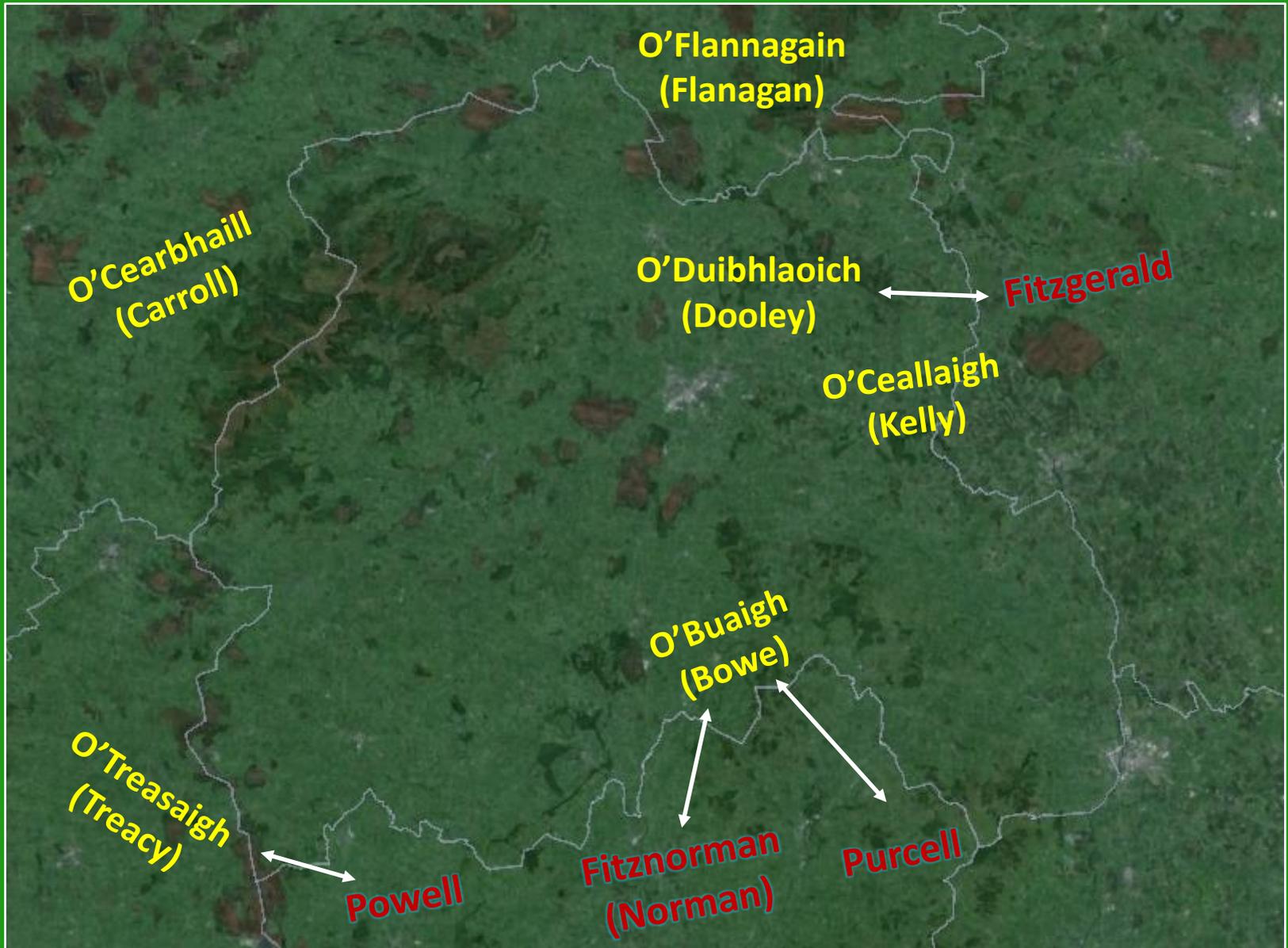
>4,500 surnames associated with Ireland on this database



What happened 1000 years ago?



In 1169AD the Normans arrive!!!!



↔ Adoptions and infidelities between neighbouring Gael and Normans over 100's of years

The surnames of the people with whom I share a common male ancestor are reflecting the relationships over hundreds if not thousands of years!

	67 marker								37 marker				
	exact	-1	-2	-3	-4	-5	-6	-7	exact	-1	-2	-3	-4
Bowes	-	-	-	Bowe/Bowes (x7)	Carroll (x15) Springer (x6) ¹ Flanagan (x7)	Lee (x5)	Green (x3) Dooley (x8) Purcell/Pursel (x6) Mitchell (x2) Martin (x5) Kelly (x8) ¹	Crow (x5) Murphy (x3) Roach (x2)	-	-	Fuller (x2)	-	Treacy/Tracy (x4) Ainsworth (x4) ¹ Smith (x20) ² Egan (x5) Ryan (x15) Wray/Ray (x5) Norman (x4) ¹ Bathurst (x2) Ferguson (x5) ² Raines/Rains (x5) Bird (x3) Rainey (x2) Powell (x3)
TIMELINE	2000-1800AD	1800-1600	1600-1400	1400-1200	1200-1000	1000-800	800-600	600-400AD					

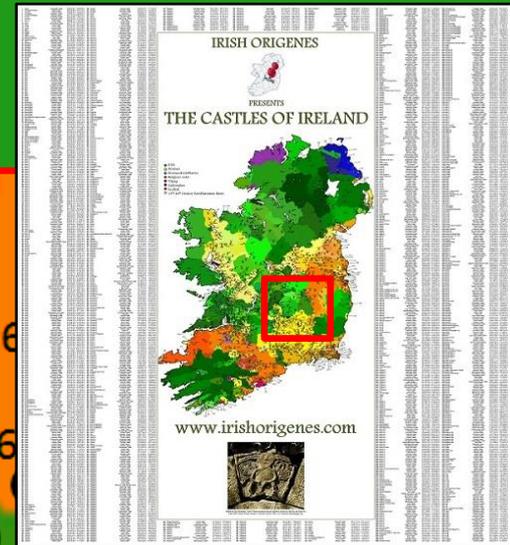
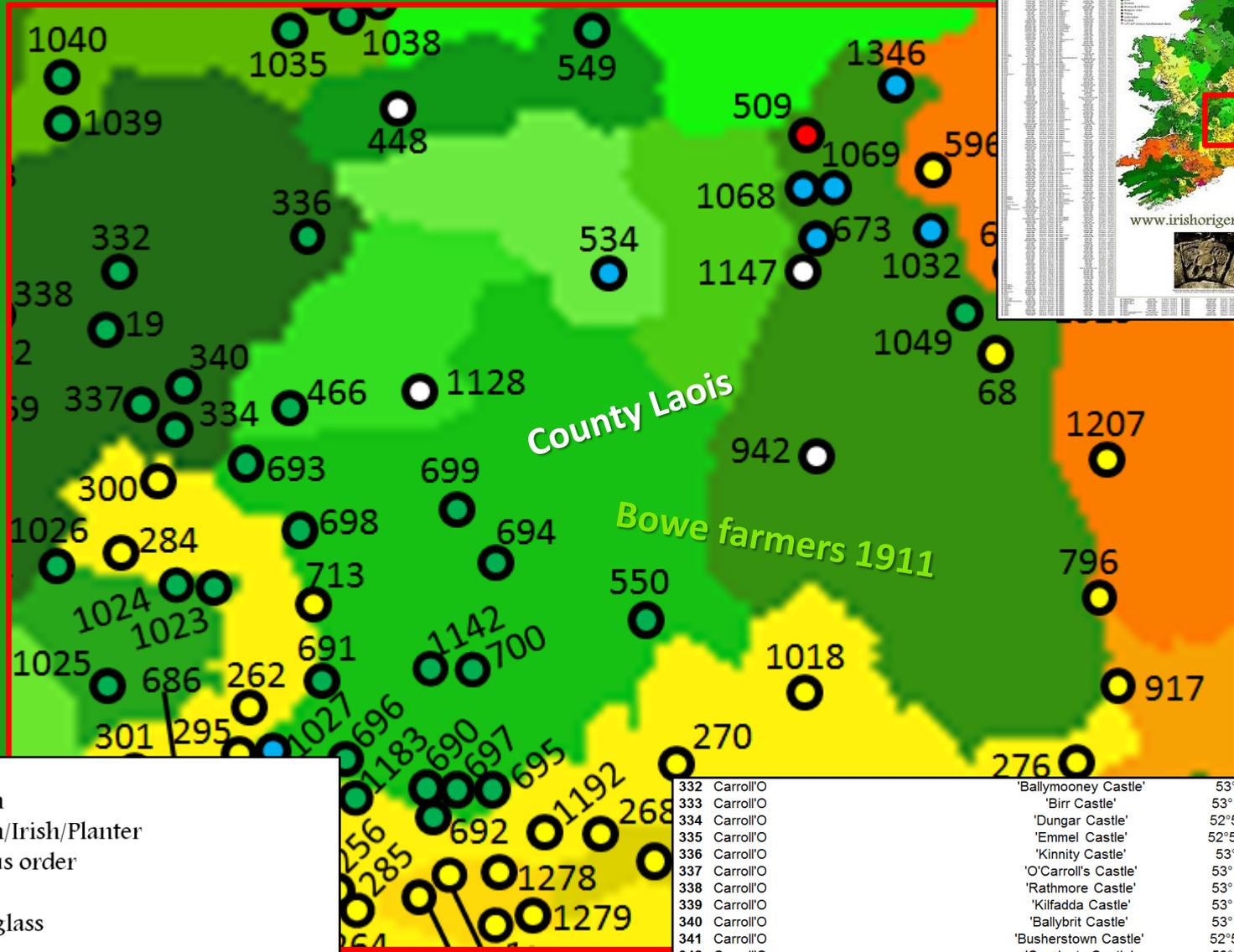
Figure 2: Reoccurring surname matches for test subject Bowes as revealed by commercial ancestral Y-DNA testing. Each Surname appears at the earliest point at which it occurs as a DNA match, for example the first match with a Bowe or Bowes occurs at 64 of 67 markers but not all Bowe/Bowes will match at that level. In brackets are the number of different individuals that occur as a match. Coloured font is indicative of the ethnicity associated with each surname; **Irish**, **Norman/English**, **Scottish**, black font indicates surnames with multiple possible ethnicities. Surnames in bold occur greater than 3 times. ¹Multiple individuals from the same close family tested, these are excluded from further analysis. ²The majority of these matches occur at the 12 marker level and hence the shared ancestry may be coincidental.



I'm a scientist and I want more evidence to support the ancestral link of these Clans and Families as revealed in my DNA results with County Laois and bordering Counties

- **Farmers and where they cluster**
- **Historical monuments i.e. Castles and Towerhouses historically associated with these Clans and Families** 
- **Placenames (townlands, crossroads, local placenames)**
- **Historical records**
- **DNA evidence (test people living in the pinpointed area)**

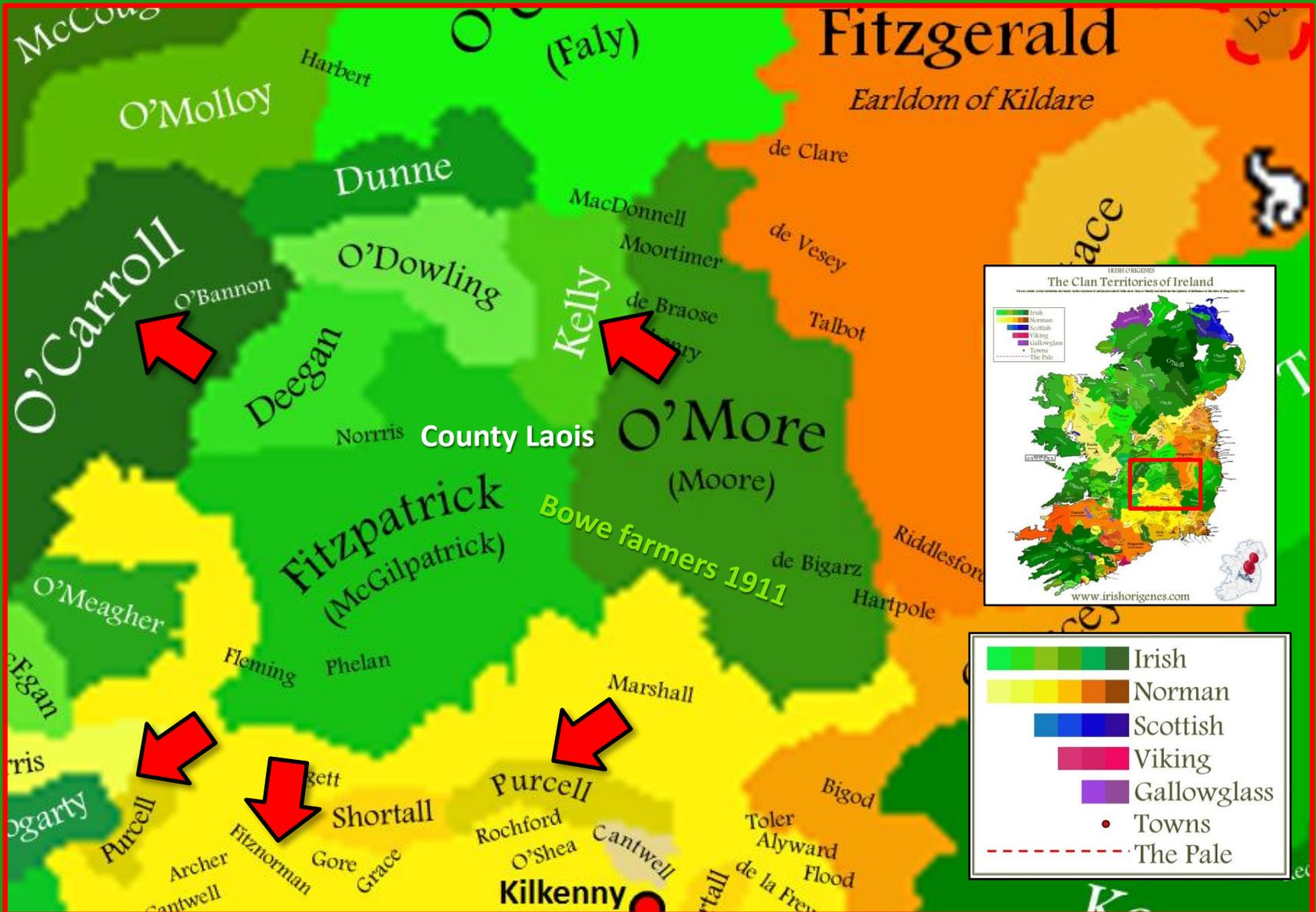
The Irish Origenes Castles of Ireland Map



- Irish
- Norman
- Norman/Irish/Planter
- Religious order
- Viking
- Gallowglass
- Scottish
- 15th/16th Century Fort/Plantation Bawn

332	Carroll'O	'Ballymooney Castle'	53° 4'0.17"N	7°48'30.18"W
333	Carroll'O	'Birr Castle'	53° 5'37.91"N	7°54'48.40"W
334	Carroll'O	'Dungar Castle'	52°58'19.04"N	7°47'5.13"W
335	Carroll'O	'Emmel Castle'	52°54'46.03"N	8° 1'23.90"W
336	Carroll'O	'Kinnity Castle'	53° 6'9.14"N	7°41'51.51"W
337	Carroll'O	'O'Carroll's Castle'	53° 0'23.68"N	7°50'30.79"W
338	Carroll'O	'Rathmore Castle'	53° 1'54.97"N	7°53'23.80"W
339	Carroll'O	'Kilfadda Castle'	53° 3'27.49"N	8° 7'10.69"W
340	Carroll'O	'Ballybrit Castle'	53° 0'39.90"N	7°47'0.89"W
341	Carroll'O	'Busherstown Castle'	52°53'37.00"N	7°56'8.76"W
342	Carroll'O	'Corolanty Castle'	53° 0'39.16"N	7°55'44.86"W
343	Carroll'O	'Cullenwaine Castle'	52°53'36.91"N	7°58'51.96"W
344	Carthy'Mc	'Rock of Cashel'	52°31'12.76"N	7°53'22.19"W

Castle locations were used to construct the Irish Origenes 'Clan Territories of Ireland Map'



I'm a scientist and I want more evidence to support the ancestral link of these Clans and Families as revealed in my DNA results with County Laois and bordering Counties

- Farmers and where they cluster
- Historical monuments i.e. Castles and Towerhouses historically associated with these Clans and Families
- **Placenames (townlands, crossroads, local placenames)**
- Historical records
- DNA evidence (test people living in the pinpointed area)

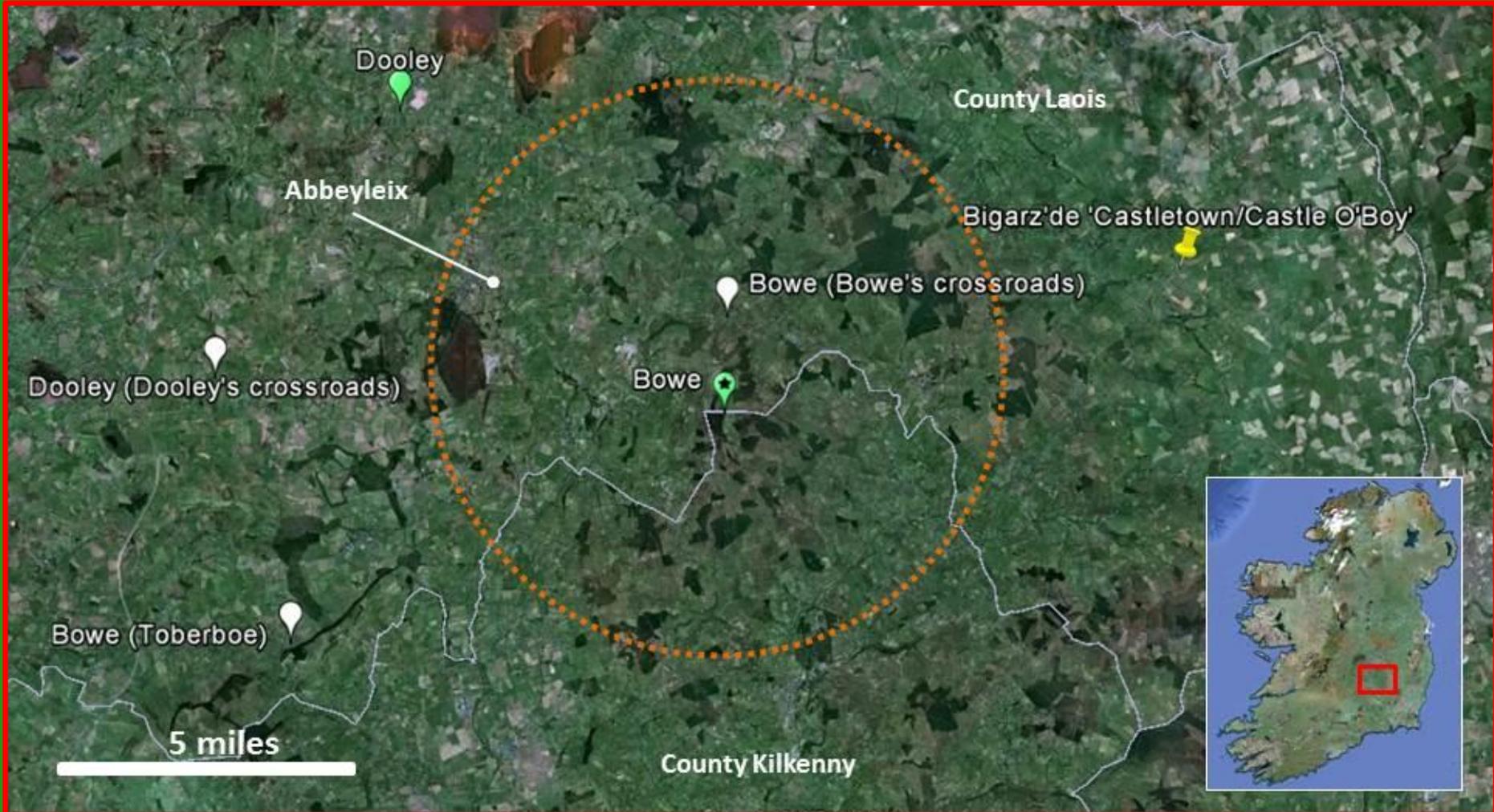
Step 5: Examine Placenames

Irish placenames hold a wealth of information regarding the Clans that first appeared there or the Norman families that settled there.

Pins = Townlands
Balloons = local placenames



An examination of Placenames in County Laois reveals a Bowe crossroads!



Bowe's crossroads is found on early ordnance survey maps!

I'm a scientist and I want more evidence to support the ancestral link of these Clans and Families as revealed in my DNA results with County Laois and bordering Counties

- Farmers and where they cluster
- Historical monuments i.e. Castles and Towerhouses historically associated with these Clans and Families
- Placenames (townlands, crossroads, local placenames)
- **Historical records**
- DNA evidence (test people living in the pinpointed area)

Step 6: Examine Historical records

historical references to my Bowes ancestors in Laois/Kilkenny/Tipperary borderlands

From the Tudor *faints*:

"163 (118). Pardon to Jordan Morreyse, of Croghan, county Tipperary, husbandman; especially for the death of **Phillip O'Bowe**, ploughman." Dated 6th April 1548 (page 104, faints of Edward VI).

"2035 (1631.) Pardon to ... **John O'Bow**, late of Brownestown, ..." dated 11 January 1572. page 261.

"5370 (4286.) Pardon to ... **Phillip O Boe**, of Corristowne, ... co. Kilkenny." dated 4 November 1589.

"6191 (5017.) Pardon to ... **Edm. Obowe** ... This pardon shall be of force only for persons born or residing int he province of Munster, or County of Kilkenny." dated 17 February 1598. pages 317-18.

"6484 (5240.) Pardon to ... **Rich O Boe**, husb., ...". dated 28 March 1601. page 401.

From the "Calandar of Papal Registers:

Papal Letters vol. xv 1484-1492" the index lists three men surnamed "**O Bogue (OBinyde, Oboe, Obuy)**"

1 - John, Canon of Aghmacart, to have rectory of Kildellig, number 688.

2 - Patrick, priest of Ossory diocese, to have rectory of Rath saran and vicarage of Erke, number 674 (dated 19 April 1491, states "Patrick Obinyde, priest, d. Ossory", was the illigitimate son of unmarried parents. Apparently he also had a family).

3 - William, priest of Lismore diocese, to have vicarage of Rathdonan, number 358 (dated 25 February 1489)

Courtesy of Mr Adrian Martyn Medieval researcher, Galway City, Ireland



	67 marker								37 marker				
	exact	-1	-2	-3	-4	-5	-6	-7	exact	-1	-2	-3	-4
Bowes	-	-	-	Bowe/Bowes (x7)	Carroll (x15) Springer (x6) ¹ Flanagan (x7)	Lee (x5)	Green (x3) Dooley (x8) Purcell/Pursel (x6) Mitchell (x2) Martin (x5) Kelly (x8) ¹	Crow (x5) Murphy (x3) Roach (x2)	-	-	Fuller (x2)	-	Treacy/Tracy (x4) Ainsworth (x4) ¹ Smith (x20) ² Egan (x5) Ryan (x15) Wray/Ray (x5) Norman (x4) ¹ Bathurst (x2) Ferguson (x5) ² Raines/Rains (x5) Bird (x3) Rainey (x2) Powell (x3)

The great cantred of the vigorous Clan Maonaigh
Is hereditary to **O'Dooley** (3)
This tribe are brave retainers
Placed at the breast of the clear streamed Bloyma.

A chief whose trees bear white nuts
Is over the Clan Conligan of heavy fruit
Twig of Biorra of Elyan tribe (4)
Mac Guilfoyle of the fair-white mansion.

Hy Deki, the goodly cantred of hills,
The wide, fair-mansioned land, (do dluthaigh duibh)
A fruitful land which adhered to them
Is O'Banan's Patrimonial (ancestral) inheritance (5)

Their country has been mightily peopled
By the O'Meaghers of Crioch Keerin (6)
Tribe of (at) the foot of Bearnan Eile (7)
No shame to recount their exploits.

Tuath Faralt (8) of the cleared woods
Is the inheritance of O'Hailchen,
A fair mansioned plain of populous tribe,
Like the land of Tailteann, dry, tho' streamy.

B The Cantreds of Ely O'Carroll poem by O'Heerin from 1420 describes the Kingdom of O'Carroll from the time of Brian Boru. It mentions 4 Clans that occur as a genetic match to Bowe's; O'Carroll's, Flanagan's, Hegan (Egan) and Dooley's

"Lords to whom stoop the nuts (a very odd expression)
Are the **O'Carrolls** of the Plain of Birra
King (Kings?) of Ely to the sweet Bloyma;
Most hospitable mansion in Ireland.

Eight tuathas (Cantreds) eight chiefs there are
Under the King of Ely - land of cattle
Brave the host in threating (tuar) an incursion
That yellow-waving-haired army.

O'Flanigan of the snowy hand
Rules over all the Kinel Arga (1)
Of the race of Teige, son of Kian of Crinna (1 1/2)
He dwells at hospitable Ardlick Oilill.

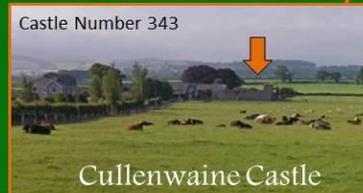
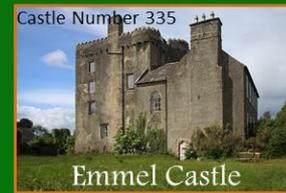
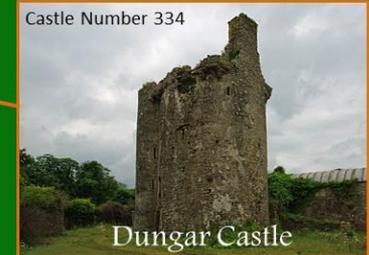
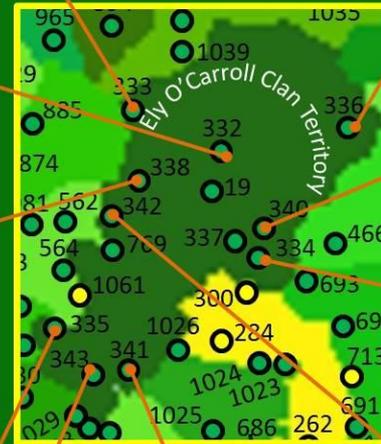
Over the Clan Rooney of the flowery roads
That sweet, cleared, smooth streamed country
That fair bordered, wine festive cantred
Rules Mag Corcran of the numerous tribe.

O'**Hegan** of Crioch Chein,
Is over the Clan Ionmhainen of smooth land
A cantred which showers a feast on every spot (2)
And a dew of honey on every cluster (pod).

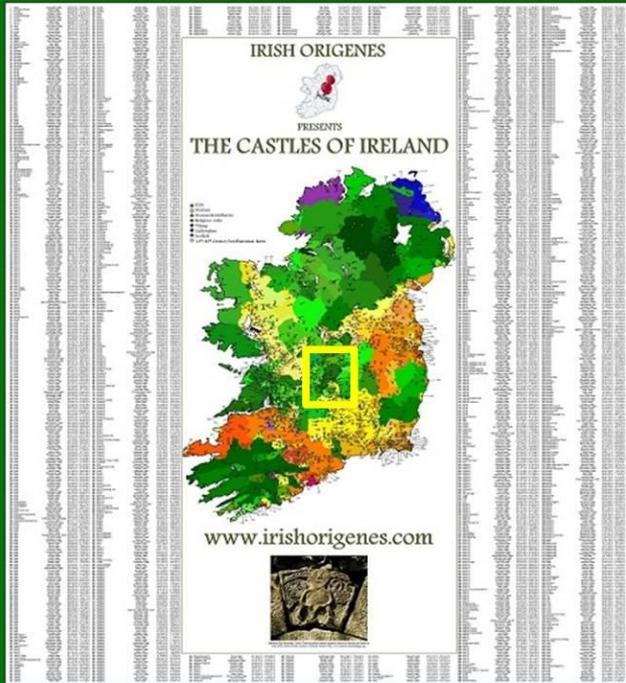


The Gaelic Irish O'Boy/O'Boe (Bowes) are related to the Ely O'Carrolls

Day 2: Tour of the Castles built by the O'Carroll Clan



Clan Bowe emerged from the O'Carroll Clan approximately 1000 years ago



What happened to Irelands Clan Chiefs?



Charles Carroll of Carrollton
Direct descendant of the Clan Chiefs of
the Ely O'Carroll's and signatory of the
US declaration of Independence



John Trumbull's Signing of the Declaration of Independence.
The original hangs in the Rotunda of the United States Capitol.

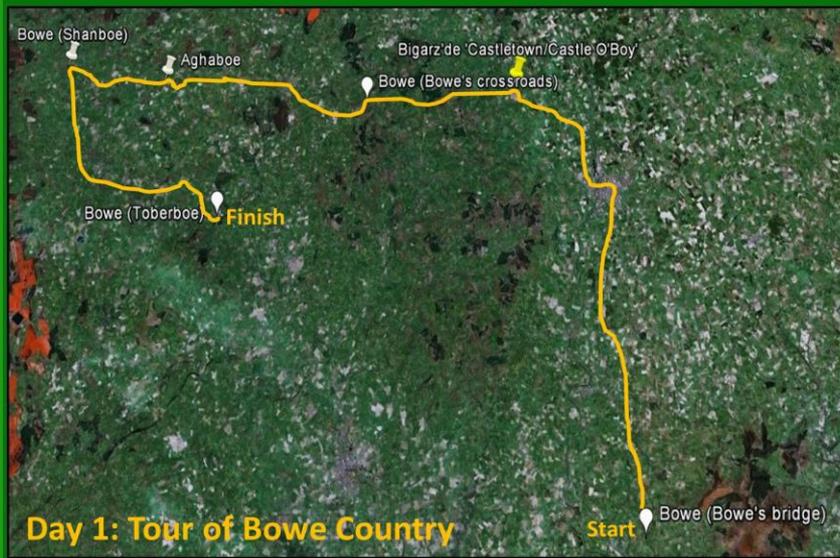
I'm a scientist and I want more evidence to support the ancestral link of these Clans and Families as revealed in my DNA results with County Laois and bordering Counties

- Farmers and where they cluster
- Historical monuments i.e. Castles and Towerhouses historically associated with these Clans and Families
- Placenames (townlands, crossroads, local placenames)
- Historical records
- **DNA evidence (test people living in the pinpointed area)**

Step 7: DNA testing in the pinpointed area

Boosting Tourism

Walk in your ancestors footsteps



I am a genetic match to Bowe males who live in County Laois

Where will your DNA take you?

Use your DNA to rediscover your Irish Heritage

**Irish
Origines**



www.irishorigines.com

Thank you for your time
Any questions?

Dr Tireoghain O'Buaigh
tyronebowes@gmail.com