

DNA - time fran genetic gene	
Time frames: Anthropological , Arch	aeological & Genealogical
	Type of test
deep' ancestryB.C to c.1400 Before adoption of surnames	= Y-DNA (SNP) and mtDNA
Genealogical c.1400 to present     Documentary evidence & oral tradition	= Y-DNA (STR) and mtDNA (full sequence)
<ul> <li>Close ancestry - 4<sup>th</sup> or 5<sup>th</sup> cousins 200-300 years ago to present day (modern era)</li> </ul>	= Autosomal DNA (Family Finder & Relative Finder)
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(also k	Genetic genealogy nown as molecular genea	alogy)
into our a	enealogy when <u>combined</u> with DNA can lead us de ncestry than the written records can take us on the a replacement for traditional genealogy. So why use	ir own.
1. To get arc	ound "brick walls	
2. To find ge	netic cousins by matching haplotypes	
<ol> <li>To determ haplogrou</li> </ol>	nine deeper ethnic/genetic ancestry by assigning to JP	а
4. (Possibly)	) to indicate geographic origin	
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What	DNA testing <u>cannot</u> do	
	'exact" date and identify the specific ancestor wo individuals who have a close match	
	mplete answer to your recent ancestry even if two s have a good paper trail	
3. shed much li individuals	ght unless compared with the test results of other	
4. replace "doc	umentary" genealogy	
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## 11. track deep ancestral migration

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## DNA and genealogy

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- All males can trace their Y-DNA lineage back to a Y-DNA ancestor, who originated in Africa about 60,000 years ago (60kya) and one of about 20 descendant "tribes" (A to T).
- Each branch and haplogroup after "Y-DNA Adam" is defined by a novel SNP or genetic change.
- Although the Y-DNA is inherited from father to son usually without any changes, occasionally differences arise via mutations.
- These mutations add up through generations, so more differences found when comparing DNA equals = time elapsed = more genetic
- found when comparing DNA equals = time elapsed = more genetic distance.Knowing the rates, types and number of variations we can create
- Knowing the rates, types and number of variations we can create lineage maps or phylogenetic trees and make calculated estimates of Time to Most Recent Common Ancestor (TMRCA) between individuals.
- · Assigning to a haplogroup indicates origin of forebears
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# Haplogroups and sub-clades Haplogroups define connections within tens of thousands of years. i.e. 10,000-40,000 years These can be broken down by further SNPs into sub-clades. Sub-clades are relevant to genealogical studies as they show relatedness to kin-groups i.e. 6000 B.C. – 1500 A.D. (define

relatedness to kin-groups i.e. 6000 B.C. – 1500 A.D. (define indigenous and incoming groups and can show migration routes taken across Europe and Britain)

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European migration map

Y-DNA: Wh	at is a match?
09720 Atac Donald 12 25 16 10 11 15 12 12 12 12 13 26 17 0 at281 Atc Donald 12 25 15 10 12 15 12 12 12 12 13 28 17 0	em 11.25 1620 30 14-15-16-17 11 11 18-23 16 15 18 16 37-36 11 12 em 11.25 1520 30 14-15-16-17 11 11 18-23 16 15 17 16 37-36 11 12
<ul> <li>These two haplotypes show a two r</li> <li>This is written as 35/37 match</li> </ul>	narker mismatch on 37 markers
FTDNA TIP Report 37 m	arkers - Generations Percentage
The <b>probability</b> that kit no. 69720 s the last:	shared a common ancestor with 46281 in
8 generations is 57.40%.	If a generation is 30 years
12 generations is 85.81%.	then they share a common
16 generations is 95.88%.	ancestor 240-720 years
20 memorations is 00.000/	ago. This may not seem
20 generations is 98.90%.	very close, but







"Pict" does not mean "pain	ted people*
<ul> <li>The origin is found in the Old English name gave the modern Sochs form <i>Pecht</i> and the Welsh <i>Fichti</i> or <i>Fechti</i>. In Ireland, the Picts were named <i>Cruithni</i> (<i>Cruithne</i> in Modern Irish), from <i>Oritani</i>, the Goidelic (Q) version of the Brythonic (P) <i>Pritani</i>. From this came <i>Britanni</i>, the Roman word for those living in Britannia, the Britons.</li> <li>The Welsh called Britain <i>Prydain</i> and 'Pictland' or Caledonia was <i>Prydyn</i>. What the Picts called themselves is unknown.</li> </ul>	This myth gets repeated wholesale, e.g., in the Book of Ballimote (ca. 1391) "From the tattooing of their fair skins Were they called Picti"
(I) Cruthni = (Q) Qritani = (P) Pritani = (L) Britanni	
(ON) Péttir = (OE) Pehtas = (OS) Pechts 2018 © Bruce Durie & Alasdair Macdonald 2011, 2018	











### 2















Y-DNA: Ireland · R-M222 Haplogroup Project - Northwest Ireland/lowland Scotland · first recognized in late 2004 following manual cluster analysis of STRs · In late 2005 a research team from Trinity College Dublin published a report that identified this cluster · In 2006 it was identified with SNP M222 © Bruce Durie & Alasdair Macdonald 2011, 2018 35 2018



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# Bruce Durie – "Pict"

I2a2a (formerly I2b1) amounts to over 90% of I2a2

I2a2a1 (I-M284+) occurs almost exclusively in Britain, where it seemingly developed about 3,000 years ago (ybp)

Very rare in Continental Europe, where the highest frequency is found in Portugal (more recent, so flow FROM Britain)

Comparatively rare in Ireland except in the north-east (probably from incoming Scots)

I2a2a1a1 (L126/S165, L369 - formerly I2b1a1) most common in Scotland and those of Scots ancestry

I-Y4751 (FGC20065/Y4751) formed 1850 ybp, TMRCA 1550 ybp





		-1-	ect cluste	
Kit Number Name	Country	Hg B-M269	Subgroup	
245613 Alistair John Lindsay Durie 27543 Tristan Beauchamp Russell	England	R-M269 R-121	Angus Cluster Bristol Cluster	Chief
358024 Robert Durie	Scotland	R-L21 R-M269	Bristol Cluster	<ul> <li>unrelated</li> </ul>
158844 Andrew Durie	Unknown Oriein	R-1200	Chiefs Line	uniciated
454295 Laird Durvee	France	R-L21 R-M269	Durvea Cluster	
213506 Mark Kent Durvee	France	8.12	Duryea Cluster	
450621 James Kevin Durvea	France	R-M269	Duryea Cluster	
350385 Bruce Durvea	Unknown Origin	R-M269	Duryea Cluster	Not all
207922 Dr. Robert Wesley Durie	Scotland	R-M269	East Lothian Cluster	riot an
170863 John Dunlop Durie	Scotland	R-M269	East Lothian Cluster	Duryea/
180079 Roger Alan Holmes (Adopted)	United Kingdom	R-\$764	East Lothian Cluster	Duryee
294729 Gary Durie	Canada	R-M269	East Lothian Cluster	
519026 James Bernard Adams	United States	R-M269	Ungrouped	related to
273088 Michael Dury	Ireland	R-M269	Ungrouped	each
333089 Phillip Richardson Duryea	France	R-M269	Ungrouped	other
768478 Robert James Durie	Ireland	R-M269	Ungrouped	ourier
137249 Sir David Robert Campbell Durie	Scotland	R-M269	Ungrouped	
252075 Ray Smith Campbell Jr.	Scotland	R-M269	Ungrouped	
290539 Dr. Thomas Franklin Duryea	Scotland	I-M253	11	
134963 Dr. Bruce Durie	Scotland	I-BY3808	And And	lo-Saxon



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MacGregor	600	67	1650	1410	1920	570	570	990	1920	1650
GrantA	1500	1650	67	1740	1920	1410	1410	1140	1830	1830
MacAuleyNI	1380	1410	1740	67	1740	1560	1650	1140	930	1410
MacAuleySG	1650	1920	1920	1740	67	1740	1740	1410	1830	510
McKinnonOH	900	570	1410	1560	1740	67	360	990	1650	1650
McKinnonIH	900	570	1410	1650	1740	360	67	930	1650	1560
McQuarrie	1260	990	1140	1140	1410	990	930	67	1560	1230
MacNab	1500	1920	1830	930	1830	1650	1650	1560	67	1470
McAlpinR1b	1380	1650	1830	1410	510	1650	1560	1230	1470	67
0-270 Ye	ars	300-5	70 Yea	irs	600-	-870 Y	ears	900-	1170 \	rears





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