

Ancestral Parish Sampling for Genetic Genealogy

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Surname DNA Journal

<http://www.surnamedna.com>

Updated: March 30, 2014

Can a DNA Test Tell Where You Came From?

- Yes – if your genetic relatives have already been tested and know their geographic origin.
- Interpretive results improve as more sampling is done in ancestral areas.
 - More Matches

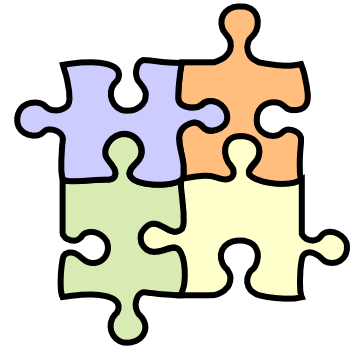


Effective Geographic Identification Using Genetic Genealogy

Identification of geographic origin depends on two factors:

1. MATCHES with GEOGRAPHY

Having genetic matches whose geographic origin is known with precision.



2. RESOLUTION

Sufficient resolution in the DNA tests to indicate that the time-to-most-recent-common-ancestor (TMRCA) is proportionate to geographic movements.

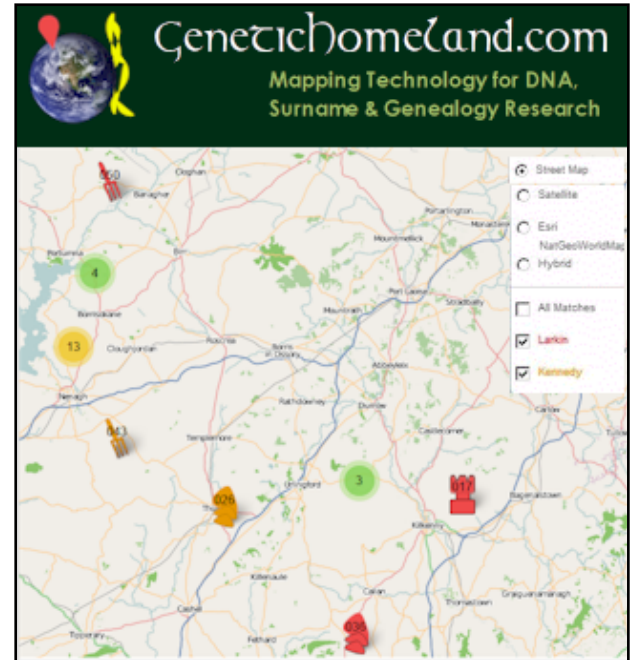
- A match of 33 on a 37-marker Y STR test ~ 400 years.

Ancestral Parish Sampling

- Goal: Link DNA Patterns and Shared Segments to Ancestral Geography
 - Search for parishes or similar geographical areas with a continuity of a surname in historical records.
 - Identify and Recruit individuals from those parishes for DNA sample
 - If emigrants closely match those still in ancestral parish, very likely their ancestors came from that parish.

Target Parish Identification

- Review genealogical record sets across history
 - Census Records
 - Tax & Valuation Lists
 - Church Records
 - Modern Telephone Directory
 - Place names & features associated with surname
 - Map-Based Database like [GeneticHomeland.com](https://www.GeneticHomeland.com)

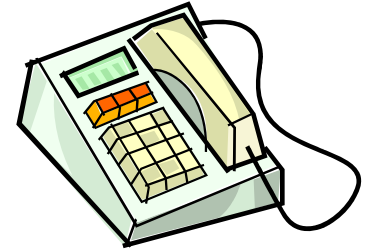


Target Prioritization

- Prioritize Sampling
 - Rank geographies by concentration and continuity of Surname in records.
 - Start Recruitment from highest priority areas.

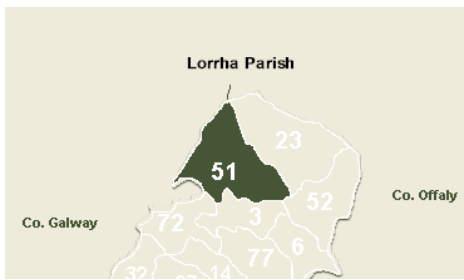
	County	Map Key ¹	Parish	Number In Tithes	Number In Griffiths	Number In 2009	Rating
1	Galway	39	Fahy	5	6	4	135
2	Galway	29	Clontuskert	2	7	5	84
3	Offaly	9	Birr	1	9	5	60
4	Galway	76	Killimorbolouge	1	12	4	65
5	Limerick	109	Monagay	1	11	4	60
6	Offaly	44	Reynagh	2	10	2	54
7	Offaly	40	Lusmagh	1	25	1	52
8	Kilkenny	20	Callan	1	24	1	50
9	Galway	52	Kilcloony	1	6	6	49
10	Limerick	83	Killeedy	1	7	5	48
11	Tipperary	51	Lorrha	2	12	1	39
12	Offaly	43	Rahan	1	11	2	36
13	Galway	88	Kilmalinoge	3	2	4	33
14	Offaly	41	Lusmagh	1	8	2	27

Recruitment



- Make Presentations at Family Gatherings
- Internet
 - Message Boards
 - DNA Projects
 - Social Media
 - [Facebook](#)
 - DNA Testing Instructional video
 - See [YouTube.com](#)
- Telephone recruitment of men from Ancestral Parish areas with same surname.





Example: Larkins of Lorrha, Ireland

- Annals of the Four Masters (1014)

MURCERTAICH Ua LORCAIN
 AIRCHIMEACH OF LORRHA, MORTIS

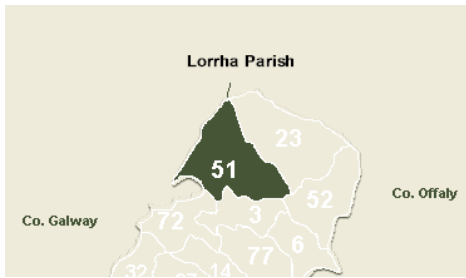
- Hearth Money Rolls (1667)



PARISH OF LURHA—Continued.

Bally m^cEgan

Era Salter	"	...	2	4
Thomas Wedneshey	"	...	2	4
John Nowlane	"	...	1	2
John McTeige	"	...	1	2
Teige Lahy	"	...	1	2
Rory Harane	"	...	1	2
Michael Shully	"	...	1	2
Hugh Murry	"	...	1	2
Edmond McMorogh	"	...	1	2
Loghlin Lorkane	"	...	1	2



Lorrha – Data Examples

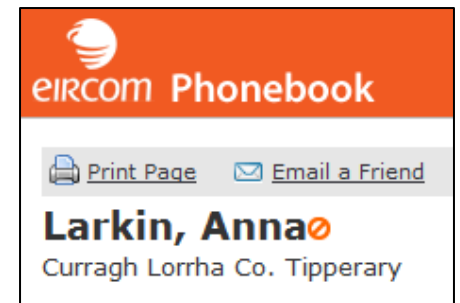
- Tithe Applotment Book (1824)



- Griffith's Valuation (1852)

		VILLAGE OF LORRHA.			
19	1	(Ruins)	Same,	Ruins,	—
—	2	(Ruins)	Same,	Ruins,	—
—	3	John Coughlin,	Same,	Garden,	0 0 34
—	4	Michael Reynolds,	Same,	House and small garden,	—
—	5	Luke Hughes,	Peter Murphy,	House and small garden,	—
—	6	(Ruins)	Francis H. Toon,	Ruins,	—
—	7	Peter Murphy,	Same,	House, office, & garden,	0 2 15
—	8	Mary Murphy,	Same,	House and small garden,	—
—	9	Daniel Hogan,	Same,	House, office, & garden,	0 1 20
—	10	Mary Larkin,	Same,	House, office, & garden,	0 1 15
—	11	John Larkin,	Same,	Office and garden,	0 1 16
—	12	John Larkin,	Same,	House and yard,	—

- Eircom Telephone Directory (2009)



Lorrha DNA Pattern

- Identified man whose father came from Lorrha through Ancestral Parish Sampling
 - 37 Marker Y-DNA STR results

393	390	19	391	385a	385b	426	388	439	389-I	392	389-II
13	25	14	11	11	14	12	12	12	13	14	29

458	459 a	459b	455	454	447	437	448	449	464 a	464 b	464 c
17	9	10	11	11	25	15	18	27	15	15	16

464d	460	GataH4	YCA2a	YCA2b	456	607	576	570	CDYa	CDYb	442	438
17	10	11	19	23	17	16	17	17	36	39	13	12

- So any Larkin in the world who matches this DNA pattern is highly likely to have ancestors that came from Lorrha, County Tipperary, Ireland.



How You Can Participate

- Get a male relative to take a Y-37 STR DNA test.
- Recruit DNA participants with known ancestral origins.
- Link Autosomal Shared Segments to Ancestral Geography
- Sponsor Ancestral Parish Sample DNA Testing



Information Links

- *Genetic Homeland*
 - Searchable list of castles, surnames, DNA results, and place names plotted on maps
 - www.genetichomeland.com
- *FTDNA FAQ*
 - <http://www.familytreedna.com/faq/>
- *Surname DNA Journal*
 - <http://www.surnamedna.com>
- *Your Genetic Genealogist*
 - <http://www.yourgeneticgenealogist.com>
- *DNAeXplained*
 - <http://dna-explained.com>

