

## **Mixed Haplogroups Section**

This section goes further than the preceding sections in terms of isolates, and assembles participants, or pairs of participants, with no connection to any of the above groups or with any other participants or pairs of participants in this project as far as 50 generations ago at the 99% confidence level.

The Y-DNA profiles of marker values for the members of this section vary greatly, but there are none that resemble the NWIMH or the modal haplotypes of Subgroups O1 or P1 above.

### **Group X: Unassigned Participants**

Those participants of Irish origins not included in the above groups are included in Group X: Unassigned Participants (UP). They are subdivided into two subgroups: X1: R1b Gaelic-Irish-Origin (RGIO) Lineages and X2: Non-R1b Gaelic-Irish-Origin (xRGIO) Lineages.

#### **Subgroup X1: RGIO**

These 28 participants are all of Irish surnames but, other than the pair of McCabes and the recent-but-not-yet-placed minigroup of eight, none so far shows any connection with any other participant in the BCP within the limits set for this report. The pair of McCabes show a relationship with each other, but the Flood pair and the Flynn pair do not.

Other than the pair of McCabes and the unplaced eight, the Y-DNA profiles also show no patterns that might indicate a relationship nor does applying the FTDNATiP calculator yield any links within the scope of this study, with the exception of the Boylan, who shows a false weak link with a member of Subgroup B2 who belongs to a different haplogroup.

Nine of these participants have received results from the 'Deep Clade' test; two belong to an undefined subclade (or subclades) of R1b-M269, one belongs to the downstream R1b-P312, two belong to the further downstream R1b-L21, two belong to the R1b-U106 branch of R1b-M269 and two among the unplaced eight belong to R1b-M222. 24 other participants in this subgroup are also estimated to belong to R1b-M269.

The names and origins of the members of this subgroup are given in Charts 108 and 109 below.

		Breifne Clans Project	Family Residential ID			Lineage Origins				
		Subgroups X1 & X2:	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County (Ire.)/ Prov./State
Kit	BCP Code	RGIO & xRGIO Irish-Origin Unassigned Parts.		/County						
		Part 1								
		RGIO								
78819	C-B	Ciaran Boylan	Cierran	Monaghan	≤1816	Cierran	≤1816	Clonyibret	Cremorne	Monaghan
89273	TJB-B	Trevor James Breen-Browne	Sneem	Kerry		Sneem		Kilerohane	Dunkerron S.	Kerry
127552	JWMcC	James Wesley McCabe	Westport	Mayo		Westport		Oughaval	Murrisk	Mayo
148651	BJMcC	Bernard Joseph McCabe	Aghintra	Fermanagh	~1837	Aghintra	≤1837	Kinawley	Knockninny	Fermanagh
13875	MAC	Marshall Allen Cain		North Carolina	1882					
97669	L-C	Lynn Clancy	not given	not given		not given		not given	not given	not given
60163	DMcCE	David McCreary Earle	Groomsport	Down	~1740	Groomsport	~1740	Bangor	Ards Lwr.	Down
89281	T-C	Terry Cullivan		Cavan						Cavan
73430	KWC	Kenneth Wayne Curry	not given	not given		not given		not given	not given	not given
22522	BAO'D	Brendan Anthony O'Donoghue	Coldblow	Offaly		Coldblow		Kilcomin	Clonlisk	Offaly
42035	KPF	Kevin Patrick Flood	Brooklyn	New York	≤1866	unknown	≤1844	unknown	unknown	unknown
N16797	MSF	Mark S. Flynn	Galbally	Limerick	~1820	Galbally	≤1820	Galbally	Coshlea	Limerick
138193	M-F	Michael Flynn	not given	not given		not given		not given	not given	not given
47681	ESG	Eugene Spencer Gaffney	Bailieborough	Cavan	~1850	Bailieborough	≤1850	Bailieborough	Clankee	Cavan
19836	RDMcG	Robert Duane McGuire	not given	Kentucky	~1780	unknown	≤1756	unknown	unknown	unknown
50423	WAMcG	Willoughby Augusta McGwier	Lauderdale Co.	Alabama	≤1846	unknown	≤1846	unknown	unknown	unknown
91873	TTJM	Thomas T.J. Murphy								
94845	LAR	Lawrence Allan Reily	various	South Carolina	≤1767	unknown	≤1767	unknown	unknown	unknown
81672	GNR	Glenn Newton Reynolds	Lancaster Co.	Pennsylvania	1822	unknown	≤1800	unknown	unknown	unknown
91857	H-O'S	Henry O'Shea								
52762	DJBT	David John Brendan Tiernan	Naul	Dublin	~1900	Naul	≤1900	Naul	Balrothery W.	Dublin
121177	PAMcT	Patrick Anthony McTiernan	Killenummery	Leitrim		Killenummery		Killenummery	Drumahaire	Leitrim
N2648	M-W	Michael Wynne (aka Guihan)	Corry	Leitrim	~1797	Corry	≤1797	Inishmagrath	Drumahaire	Leitrim

Chart 108  
Unassigned Participants: Subgroups X1-X2  
**RGIO & xRGIO, Part 1**  
**Names & Origins**

Breifne Clans Project			Family Residential ID			Lineage Origins				
Subgroups X1 & X2:			Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County (Ire.)/ Prov./State
RGIO & xRGIO				/County						
Kit	BCP	Code	Irish-Origin Unassigned Parts.							
			Part 2							
		X1	RGIO: Recent, not yet placed:							
A1x+	151669	DLD	David Lee Donihue							
A2a+	70784	DMF	Donald Michael Faughnan	Mohill	Leitrim	1840s	Mohill	≤1850	Mohill	Leitrim
A2b+	39925	TJMcG	Thomas Joseph McGovern	Mully Lower	Leitrim	1908	Mully Lower	≥1908	Templeport	Cavan
A2a+	147343	RRR	Rick Roy Riley	Prince Georges Co.	Maryland	≤1740	unknown	≤1740	unknown	unknown
A2b+	75605	NZR	Norman Zealous Riley							
B2a+	121179	FJO'R	Francis Joseph O'Rourke	Tullynascreena	Leitrim		Tullynascreena		Killanummery	Leitrim
A2a+	137246	EVT	Edward Vincent Tiernan		Galway	~1828		≤1828		Galway
B2a+	151643	JJT	Joseph J. Tierney							
		X2	xRGIO							
	138545	S-F	Stephen Flood	Whangarei	Northland NZ		Ballingary		Ballingarry	Tipperary
	12835	WAMcR	William Andrew McReynolds	Killyman Par.	Tyrone	1715	unknown	≤1715	Killyman	Tyrone

Chart 109  
Unassigned Participants: Subgroups X1-X2  
**RGIO & xRGIO, Part 2**  
**Names & Origins**

As can be seen in Chart 109, there are eight participants included whose results came in after the earlier part of this report had been constructed. The subgroups and lines to which they will likely be assigned are indicated in the first column.

Coding for the members of Subgroups X1 and X2 is shown in Charts 110 and 111 below.

			Breifne Clans Project		RGIO & xRGIO				
			Subgroups X1 & X2:		Unassigned Irish-Origin Parts.		Haplogroup		
	Ysearch		BCP		Part 1		Current	#	
Database	Code	Kit/ID	Code	Surname	Name/Description	Shorthand	Nomenclature	M	
			<u>X1</u>		<u>RGIO</u>				
√	BCP	CBYBN	78819	C-B	Boylan	Ciaran Boylan	R1b-U106*	R1b1b2-a1a*	67
√	BCP	none	89273	TJB-B	Breen-Browne	Trevor James Breen-Browne	R1b-M269*	R1b1b2*	37
√	BCP	yes	148651	BJMcC	McCabe	Bernard Joseph McCabe	R1b-L21*	R1b1b2-a1b5*	67
√	BCP	none	127552	JWMcC	McCabe	James Wesley McCabe	R1b-M269*	R1b1b2*	67
√	BCP	WRV6Y	13875	MAC	Cain	Marshall Allen Cain	R1b-U106*	R1b1b2-a1a*	67
√	BCP	none	97669	L-C	Clancy	Lynn Clancy	R1b-M269*	R1b1b2*	37
√	BCP	FFFRJ	60163	DMcCE	McCreary Earle	David McCreary Earle	R1b-P312*	R1b1b2-a1b*	37
√	BCP	none	89281	T-C	Cullivan	Terry Cullivan	R1b-M269*	R1b1b2*	37
√	BCP	SD82F	73430	KWC	Curry	Kenneth Wayne Curry	R1b-M269*	R1b1b2*	67
√	BCP	none	22522	BAO'D	O'Donoghue	Brendan Anthony O'Donoghue	R1b-M269*	R1b1b2*	37
√	BCP	5GDB2	42035	KPF	Flood	Kevin Patrick Flood	R1b-M269*	R1b1b2*	67
√	BCP	G3SQH	N16797	MSF	Flynn	Mark S. Flynn	R1b-M269*	R1b1b2*	37
√	BCP	6EP96	138193	M-F	Flynn	Michael Flynn	R1b-M269*	R1b1b2*	37
√	BCP	6EMEM	47681	ESG	Gaffney	Eugene Spencer Gaffney	R1b-M269*	R1b1b2*	37
√	BCP	JQAUU	19836	RDMcG	McGuire	Robert Duane McGuire	R1b-M269*	R1b1b2*	37
√	BCP	5HCBG	50423	WAMcC	McGwier	Willoughby Augusta McGwier	R1b-M269*	R1b1b2*	37
√	BCP	none	43751	A-K	Kiernan	Andrew Kiernan	R1b-M269*	R1b1b2*	37
√	BCP	none	91873	TTJM	Murphy	Thomas T.J. Murphy	R1b-M269*	R1b1b2*	37
√	BCP	PGAU2	94845	LAR	Reily	Lawrence Allan Reily	R1b-M269*	R1b1b2*	37
√	BCP	none	81672	GNR	Reynolds	Glenn Newton Reynolds	R1b-M269*	R1b1b2*	37
√	BCP	none	91857	H-O'S	O'Shea	Henry O'Shea	R1b-M269*	R1b1b2*	67
√	BCP	none	52762	DJBT	Tiernan	David John Brendan Tiernan	R1b-L21*	R1b1b2-a1b5*	67
√	BCP	none	121177	PAMcT	McTiernan	Patrick Anthony McTiernan	R1b-M269*	R1b1b2*	37
√	BCP	DAWVC	N2648	M-W	Wynne	Michael Wynne (aka Guihan)	R1b-M269*	R1b1b2*	37

Chart 110  
Unassigned Participants: Subgroups X1-X2  
**RGIO & xRGIO, Part 1**  
**Coding**

				Breifne Clans Project		RGIO & xRGIO				
				Subgroups X1 & X2:		Unassigned Irish-Origin Parts.		Haplogroup		
		Ysearch		BCP		Part 2		Current	#	
Database	Code	Kit/ID	Code	Surname	Name/Description		Shorthand	Nomenclature	M	
				<u>X1</u>	<u>Recent RGIO, not yet placed:</u>					
A1x+	BCP	none	151669	DLD	Donihue	David Lee Donihue	R1b-M269*	R1b1b2*	37	
A2a+	BCP	none	70784	DMF	Faughnan	Donald Michael Faughnan	R1b-M222	R1b1b2-a1b5b	67	
A2b+	BCP	none	39925	TJMcG	McGovern	Thomas Joseph McGovern	R1b-M269*	R1b1b2*	37	
A2b+	BCP	none	75605	NZR	Riley	Norman Zealous Riley	R1b-M269*	R1b1b2*	37	
A2a+	BCP	none	147343	RRR	Riley	Rick Roy Riley	R1b-M269*	R1b1b2*	37	
B2a+	BCP	none	121179	FJO'R	O'Rourke	Francis Joseph O'Rourke	R1b-M269*	R1b1b2*	67	
A2a+	BCP	none	137246	EVT	Tiernan	Edward Vincent Tiernan	R1b-M222	R1b1b2-a1b5b	67	
B2a+	BCP	none	151643	JJT	Tierney	Joseph J. Tierney	R1b-M269*	R1b1b2*	37	
				<u>X2</u>	<u>xRGIO</u>					
√	BCP	UE5FX	138545	S-F	Flood	Stephen Flood	I2a-M423*	I2a2*	67	
√	BCP	8FS5Q	12835	WAMcR	McReynolds	William Andrew McReynolds	I2b-M223*	I2b1*	67	

Chart 111  
Unassigned Participants: Subgroups X1-X2  
**RGIO & xRGIO, Part 2**  
**Coding**







Breifne Clans Project			5	5	3	3	5	5	6	4	4	5	4	4	4	5	5	4	4	5	4	4	4	5	4	6	5	4	5	6	4	5
Subgroups X1 & X2:			3	7	9	9	9	3	4	7	0	1	2	1	1	5	9	3	9	3	5	4	8	2	4	1	6	8	7	4	9	6
RGIO & xRGIO			1	8	5	5	0	7	1	2	6	1	5	3	3	7	4	6	0	4	0	4	1	0	6	7	8	7	2	0	2	5
Irish-Origin Unassigned Participants					S	S					S			a	b																	
38-67 Markers					1	1					1																					
BCP					a	b																										
Kit/ID	Code	Surname																														
	FTDNA		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
		<u>Modal Haplotypes</u>																														
Wright	IT III MH	Irish Type III	11	9	15	16	8	10	10	8	10	10	12	23	23	15	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
Wilson 07	NWIMH	Northwest Irish	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	12
Wilson ND	SWAMH	Super W Atlantic	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
	<u>RGIO</u>																															
13875	MAC	Cain	11	9	15	16	8	10	10	8	10	11	12	23	23	16	10	12	12	14	8	12	23	20	11	12	11	12	11	11	13	12
52762	DJBT	Tiernan	11	9	15	16	8	10	10	8	11	10	12	23	23	16	10	12	12	16	8	12	22	20	13	13	11	13	11	11	12	12
73430	KWC	Curry	12	9	15	16	8	10	10	8	10	11	12	23	23	15	10	12	12	16	8	12	22	20	14	12	11	13	11	11	12	12
42035	KPF	Flood	11	9	15	16	8	10	10	8	10	11	12	23	23	17	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
127552	JWMcC	McCabe	11	9	15	16	8	10	10	8	10	10	12	23	24	16	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12
148651	BJMcC	McCabe	11	9	15	16	8	10	10	8	10	10	12	22	24	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12
42035	KPF	Flood	11	9	15	16	8	10	10	8	10	11	12	23	23	17	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
91857	H-O'S	O'Shea	11	9	15	16	8	11	10	8	12	10	12	23	23	16	10	12	12	16	8	12	22	20	12	13	11	13	11	11	12	12
78819	C-B	Boylan	11	9	15	16	8	10	10	8	11	10	12	23	23	17	10	12	12	15	8	12	22	20	11	10	11	13	11	11	13	12
	<u>RGIO</u>	<u>Recent,</u>																														
		<u>not yet placed:</u>																														
70784	DMF	Faughnan	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	17	8	12	25	20	13	12	11	13	11	11	12	12
39925	TJMcG	McGovern	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	17	8	12	25	20	13	12	11	13	11	11	12	12
121179	FJO'R	O'Rourke	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
137246	EVT	Tiernan	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	12
	<u>xRGIO</u>																															
12835	WAMcR	McReynolds	12	8	15	16	8	12	10	8	10	9	0	19	21	16	11	12	12	17	9	14	26	20	9	13	11	13	11	11	12	11

Chart 114  
 Unassigned Participants: Subgroups X1-X2  
**RGIO & xRGIO**  
**Results, Markers 38-67**



There are a few potential assignments indicated by color coding in Chart 112 above. The results profile of one of the participants conforms fairly well with the Colla Uais Dalriadic Modal Haplotype, matching five of the seven marker values characteristically deviating from the SWAMH at the 37-marker level.

One other participant is even closer to the Irish Type III Modal Haplotype in terms of his results profile, matching at all seven of the characteristically deviating marker values at the 37-marker level.

There are also three members of this subgroup whose results profiles somewhat resemble the South Irish Modal Haplotype (SIMH), although not as closely, each of them matching at only three of the six characteristically deviating marker values. They could perhaps be placed with the O'Reilly and the Donahue/Donoghues in the Brady cluster of Subgroup B2, who match the SIMH more closely.

### **Subgroup X2: xRGIO**

The names and origins, coding and results for the members of Subgroup X2 are shown in Charts 109, 111, 113 and 114 above. This subgroup includes at present only two participants, one belonging to Haplogroup I2a-M423 by the results of a Deep Clade test, and the other predicted by FTDNA to belong to Haplogroup I2b-M223. What is known about the origins of these haplogroups may be viewed on the National Geographic website for the Genomic Project at: <http://www5.nationalgeographic.com/genographic/atlas.html> ("Atlas of the Human Journey" tab > "Genetic Markers" button). These are the only participants so far in the BCP at the 37-marker level with traditional Breifne surnames (McReynolds, Flood) and Irish origins who are not R1b. The earliest known ancestor of the McReynolds is placed in early 18<sup>th</sup>-century Co. Tyrone and used the semi-Gaelic form McRannells (derived from the Norse forename Rögnvaldr, 'ruler of the gods'), which could be of either Irish or Scottish origin.<sup>40</sup> The earliest ancestor of the Flood is placed in Co. Tipperary, probably in the 19<sup>th</sup> century.

## **Group Y: Control Group**

Those participants of non-Irish origins are included in Group Y: Control Group (CG). They are subdivided into three subgroups: R1b Non-Gaelic-Irish-Origin (RxGIO) Lineages, Non-R1b Non-Gaelic-Irish-Origin (xRxGIO) Lineages, and Princely Balto-Slavic Lines (PB-SL).

### **Subgroup Y1: RxGIO**

The thirteen members of this subgroup belong to lineages that are of US and/or Western European but non-Gaelic-Irish name and origin. One in fact does have an aristocratic Irish origin in a lineage noted in Co. Kerry in the 14<sup>th</sup> century, but is said to be of 12<sup>th</sup>-century Anglo-Norman origin. Four of the lineages here are of apparently English surname but with no origin given; three are of apparently English surname and US origin, with the earliest one appearing in Virginia in the mid-17<sup>th</sup> century and later in Gold Rush California by way of some years in Mexico; and one is of English (Somersetshire) origin, moving to Dorchester, Massachusetts in 1634; to Windsor, Connecticut in 1635; and to Santa Barbara, California in 1867. Three are of French origin, including two aristocrats of medieval lineages, one originating in Provence and the other in the Orléanais. The final one is of Italian origin and belongs to a lineage long reputed to be the oldest noble lineage in Europe, with a legendary descent from a 3<sup>rd</sup>-century B.C. Roman consul.

The names and origins of the members of this subgroup are given in Chart 115 below, and the coding is given in Chart 116 below.

		Breifne Clans Project	Family Residential ID			Lineage Origins				
		Subgroup Y1:	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County (Ire.)/ Prov./State
Kit	BCP Code	Control: RxGIO Non-Irish-Origin Participants		/County						
		<u>xRGIO</u>								
73518	AVdeC	Aymar de Vincens de Causans	Château de Causans	Provence		Orange	~1000			Provence
82606	OIC	Obed Ithel Clark		North Carolina	≥1765	unknown	≤1765	unknown	unknown	unknown
91871	X-C	Xavier Curis								France
11741	TWD	Thomas Wilson Dibblee Jr.	Rancho San Julian	California	1867	Glastonbury?	~1590			Somersetshire
77544	RSF	Ronald Strickland Farr	not given	not given		not given		not given	not given	not given
58452	JDF	James Davis Flood	not given	not given		not given		not given	not given	not given
89278	AJFG	Adrian James FitzGerald	Valentia	Kerry	≤1830	Rahinnane Castle	≤1345	Ventry	Corkaguiny	Kerry
121175	OM-L	Ottavio Massimo-Lancellotti	Castello di Arsoli	Roma	1574	Rome	1012			Papal States
43755	TJP	Timothy John Parrott	"Baywood"	California	1860	Rappahanock R.	1649		Lancaster Co.	Virginia
121405	BWS	Bradley Wayne Smith								
63408	KES	Kenneth Edward Smith	White Plains	Alabama	≤1859	unknown	≤1859	unknown	unknown	unknown
59601	R-S	Rick Spier								
89275	JdeT	Jacques de Tristan	Château d'Herbault- -en-Sologne	Loire			≤1378			Orléanais

Chart 115  
Control Group: Subgroup Y1  
**RxGIO**  
**Names & Origins**

		Breifne Clans Project	Subgroup Y1:		Control: RxGIO			
					Non-Irish-Origin Participants	Haplogroup		
	Ysearch		BCP				Current	#
Database	Code	Kit/ID	Code	Surname	Name/Description	Shorthand	Nomenclature	M
					<u>RxGIO</u>			
BCP	none	73518	AVdeC	Causans	Aymar de Vincens de Causans	R1b-M269*	R1b1b2*	67
BCP	WKYVQ	82606	OIC	Clark	Obed Ithel Clark	R1b-M269*	R1b1b2*	67
BCP	none	91871	X-C	Curis	Xavier Curis	R1b-M269*	R1b1b2*	37
BCP	94G2X	11741	TWD	Dibblee	Thomas Wilson Dibblee Jr.	R1b-SRY2627	R1b1b2-a1b3	67
BCP	DG6DB	77544	RSF	Farr	Ronald Strickland Farr	R1b-L21*	R1b1b2-a1b5*	37
BCP	none	58542	JDF2	Flood	James Davis Flood	R1b-M269*	R1b1b2*	37
BCP	none	89278	AJFG	FitzGerald	Adrian James FitzGerald	R1b-M269*	R1b1b2*	37
BCP	none	121175	OM-L	Lancellotti	Ottavio Lancellotti	R1b-M269*	R1b1b2*	37
BCP	none	43755	TJP	Parrott	Timothy John Parrott	R1b-M269*	R1b1b2*	67
BCP	none	121405	BWS	Smith	Bradley Wayne Smith	R1b-U106*	R1b1b2-a1a*	67
BCP	DA35R	63408	KES	Smith	Kenneth Edward Smith	R1b-U106*	R1b1b2-a1a*	37
BCP	none	59601	R-S	Spier	Rick Spier	R1b-L21*	R1b1b2-a1b5*	37
BCP	none	89275	JdeT	Tristan	Jacques de Tristan	R1b-M269*	R1b1b2*	37

Chart 116  
Control Group: Subgroup Y1  
**RxGIO**  
**Coding**

The results for the members of Subgroup Y1 are shown in Chart 117 below.



Breifne Clans Project			5	5	3	3	5	5	6	4	4	5	4	4	4	5	5	4	4	5	4	4	4	5	4	6	5	4	5	6	4	5
Subgroup Y1:			3	7	9	9	9	3	4	7	0	1	2	1	1	5	9	3	9	3	5	4	8	2	4	1	6	8	7	4	9	6
Control: RxGIO			1	8	5	5	0	7	1	2	6	1	5	3	3	7	4	6	0	4	0	4	1	0	6	7	8	7	2	0	2	5
Non-Irish-Origin Participants					S	S					S			a	b																	
Markers 38-67					1	1					1																					
BCP					a	b																										
Kit/ID	Code	Surname																														
	FTDNA		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
		<u>Modal Haplotypes</u>																														
	SLMH	Somerled Lineage	11	8	17	17	8	12	10	8	11	10	12	22	22	15	11	12	12	13	8	14	23	21	12	12	11	13	11	11	12	12
Burns 08	LMH	Leinster																														
Daniels	STR43MH	R1bSTR43 (R1bS28)																														
Ferrill	CUDMH	Colla Uais Dalriadic																														
Wright	IT III MH	Irish Type III	11	9	15	16	8	10	10	8	10	10	12	23	23	15	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
Desmond	SIMH	South Irish																														11
McEwan 06	FrMH	"Frisian"																														
Wilson 07	NWIMH	Northwest Irish	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	12
Wilson ND	SWAMH	Super W Atlantic	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
		<u>RxGIO</u>																														
82606	OIC	Clark	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12
91871	X-C	Curis																														
121175	OM-L	Lancellotti																														
89275	JdeT	Tristan																														
73518	AVdeC	Causans	11	9	15	16	8	10	10	8	11	10		22	23	16	10	12	12	14	8	12	23	20	14	12	11	13	10	11	12	12
43755	TJP	Parrott	11	9	15	16	8	10	10	8	10	10		22	23	17	10	12	12	16	8	12	21	20	13	12	11	13	11	12	12	12
59601	R-S	Spier																														
58542	JDF2	Flood																														
77544	RSF	Farr																														
121405	BWS	Smith	11	9	15	16	8	10	11	8	10	10	13	23	23	16	10	12	12	14	8	12	23	20	14	12	11	13	11	11	13	13
63408	KES	Smith																														
89278	AJFG	FitzGerald																														
11741	TWD	Dibblee	11	9	15	16	8	10	10	8	10	10	20	23	23	15	10	12	12	17	8	12	22	20	13	11	11	13	11	11	12	14

Chart 118  
Control Group: Subgroup Y1  
**RxGIO, Markers 38-67**  
**Results & Patterns**



Six of the participants have had the 'Deep Clade' test. The English-origin lineage is R1b-SRY2627, a haplogroup that is found but only rarely in the West Country of England, two belong to Haplogroup R1b-M269, two belong to the downstream Haplogroup R1b-L21, and one belongs to a different branch of R1b-M269, R1b-U106. Of the remaining seven members of this subgroup, one is predicted to belong to Haplogroup R1b-U106 and the other six are predicted to belong to R1b-M269.

### Subgroup Y2: xRxGIO

This subgroup is currently made up of nine participants belonging to non-R1b haplogroups and representing lineages also of European but non-Gaelic-Irish origin.

		Breifne Clans Project	Family Residential ID			Lineage Origins				
		Subgroup Y2:	Address	State/Prov. /County	From	Townland	Year	Civil Parish	Barony	County (Ire.)/ Prov./State
Kit	BCP Code	Control: xRxGIO Non-Irish-Origin Participants								
		<u>xRxGIO</u>								
89279	JCB	Jeffery Clay Brooks		Georgia		unknown		unknown	unknown	unknown
141078	IDM	Ian David Meecham	not given	not given		not given		not given	not given	not given
68867	GJM	Gordon Jack Morrow	not given	North Carolina	≤1770	unknown	≤1780	unknown	unknown	unknown
19594	GAN III	George Aylmer Newhall III	Rancho San Francisco	California	1875	Saugus	1630			Massachusetts
95398	JCM	James C. Morrow	not given	not given		not given		not given	not given	not given
19593	MLM	Michael Leo Murray	Oakville	Ontario		unknown				(Scotland?)
64494	RCMcD	Randal Christopher MacDonnell	The Glens	Antrim	1399	Isla	~1200			Hebrides
105076	D-J	Donald Jakubczak								Poland
134331	JWR	John Wesley Riley	Breathitt Co.	Kentucky	≤1804	unknown	≤1794	unknown	unknown	unknown

Chart 119  
Control Group: Subgroup Y2  
**xRxGIO**  
**Names & Origins**

The names and origins of the members of this subgroup are given in Chart 119 above, and the coding is given in Chart 120 below.

One of these participants is the head of an aristocratic medieval lineage of the Antrim area that is of ancient Scotto-Norse origin in the Hebrides. Another is of Polish origin. The other seven are of apparent English or Scottish surname. Two of these are of unclear origin, one is of Canadian origin, two are of 18<sup>th</sup>-century American colonial origin (North Carolina and Kentucky) and one is of later US origin. The remaining participant is of an English lineage that moved to Saugus in the Massachusetts Colony in 1630 and to Gold Rush San Francisco in the California Territory in 1850.

		Breifne Clans Project	Subgroup Y2:		Control: xRxGIO			
					Non-Irish-Origin Participants	Haplogroup		
Database	Ysearch Code	Kit/ID	BCP Code	Surname	Name/Description	Shorthand	Current Nomenclature	# M
<u>xRxGIO</u>								
BCP	none	89279	JCB	Brooks	Jeffery Clay Brooks	I1-M253*	I1*	37
BCP	4TUPX	141078	IDM	Meecham	Ian David Meecham	I1-M253*	I1*	37
BCP	39FTQ	68867	GJM	Morrow	Gordon Jack Morrow	I1-M253*	I1*	67
BCP	none	95398	JCM	Morrow	James C. Morrow	I2b-M223*	I2b1*	67
BCP	none	19593	MLM	Murray	Michael Leo Murray	I2b-M223*	I2b1*	37
BCP	none	19594	GAN III	Newhall	George Aylmer Newhall III	I2b-M223*	I2b1*	37
BCP	JFVS9	64494	RCMcD	MacDonnell	Randal Christopher MacDonnell	R1a-M198*	R1a1*	67
BCP	none	105076	D-J	Jakubczak	Donald Jakubczak	R1a-M198*	R1a1*	37
BCP	B9YPQ	134331	JWR	Riley	John Wesley Riley	R1a-M198*	R1a1*	37

Chart 120  
Control Group: Subgroup Y2  
**xRxGIO**  
**Coding**

Three participants are estimated to belong to Haplogroup I1-M253, two are



Breifne Clans Project			5	5	3	3	5	5	6	4	4	5	4	4	4	5	5	4	4	5	4	4	4	5	4	6	5	4	5	6	4	5				
Subgroup Y2:			3	7	9	9	9	3	4	7	0	1	2	1	1	5	9	3	9	3	5	4	8	2	4	1	6	8	7	4	9	6				
Control: xRxGIO			1	8	5	5	0	7	1	2	6	1	5	3	3	7	4	6	0	4	0	4	1	0	6	7	8	7	2	0	2	5				
Non-Irish-Origin Participants					S	S					S			a	b																					
Markers 38-67					1	1					1																									
BCP					a	b																														
Kit/ID	Code	Surname																																		
	FTDNA		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67				
			<u>Modal Haplotypes</u>																																	
Wilson ND	SWAMH	Super W Atlantic	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12				
Swordenheim	ONMH	Old Norse																																		
Clan Donald	SLMH	Somerled Lineage	11	8	17	17	8	12	10	8	11	10	12	22	22	15	11	12	12	13	8	14	23	21	12	12	11	13	11	11	12	12				
			<u>xRxGIO</u>																																	
89279	JCB	Brooks																																		
141078	IDM	Meecham																																		
68867	GJM	Morrow	11	8	15	15	8	10	10	8	9	9	12	22	25	16	10	12	12	16	8	14	25	20	15	13	10	12	11	10	12	11				
95398	JCM	Morrow	11	8	15	16	8	11	10	8	10	9	0***	19	22	16	11	12	12	18	9	14	26	20	10	13	11	13	11	11	12	11				
19593	MLM	Murray																																		
19594	GAN III	Newhall																																		
64494	RCMcD	MacDonnell	11	8	17	17	8	12	10	8	11	10	12	20	22	15	11	12	12	13	8	14	23	21	12	12	11	13	11	11	12	12				
105076	D-J	Jakubczak																																		
134331	JWR	Riley																																		

Chart 122  
Control Group: Subgroup Y2  
***xRxGIO, Markers 38-67***  
***Results & Patterns***

\*\*\* A value of "0" for any marker indicates that the lab reported a null value or no result for this marker.

In Charts 121 and 122 above, the members of these subgroups have been arranged so that each is near others of the same haplogroup. Although a little beyond the scope of this study, the three belonging to Haplogroup R1a have

been compared to the Old Norse Modal Haplotype (ONMH), as given by Carl Johan Swordenheim, Project Manager of the Scandanavian Y-DNA Project,<sup>78</sup> as well as to the Somerled Lineage Modal Haplotype (SLMH) referred to in the Introduction. The SWAMH is used here as a reference modal haplotype, perhaps not the best choice, but useful. The MacDonnell participant, as might be expected, is much closer to the SLMH than are the other two participants, differing from the SLMH in the values at only four of the 24 markers of the first 37 markers and at only one of the next 30 markers where the SLMH differs from the SWAMH. The SLMH differs by only one marker value among the first 37 markers from the ONMH, and at this marker the McDonnell matches the SLMH.

### **Subgroup Y3: Princely Balto-Slavic Lines**

This subgroup is currently made up of seven participants belonging to non-R1b haplogroups and representing lineages also of European but non-Gaelic-Irish origin.

All seven are of princely rank. One is of Polish origin, with his rank of Austro-Hungarian origin, two are of Lithuanian origin and four are of Russian origin.

All seven have had “deep clade” tests done. The results show that they belong to a variety of haplogroups, with one belonging to I2a-M423, one belonging to J2b-M241, three belonging to N1c-M178 and two belonging to R1a-M198.

According to the National Geographic Genographic Project (NGGP), Haplogroup I2a arose about 15,000 years ago during the last Ice Age with a mutation in a man living in the Balkan refuge area, whose ancestors may have belonged to the Gravettian culture and whose male-line descendants remained primarily in central and southeastern Europe but also were important in recolonizing Europe to the north and northeastward into central Asia. The mutation defining Haplogroup J2 appeared 10,000 to 15,000 years ago in a man who was living in the Fertile Crescent and whose descendants were among the first farmers and first men to live in permanent settlements, and later dispersed westward across northern Africa and across southern Europe. Haplogroup R1a1 arose about 10,000 years ago with a mutation in a man living on the steppes of eastern Europe (modern Ukraine or southern Russia), whose male-line descendants spread west to Iceland and east to India and were perhaps the first speakers of Indo-European. Haplogroup N is defined by a mutation which occurred about 10,000 years ago in a man living in Siberia, and was dispersed to the west as far as southern Scandinavia by Uralic-speaking peoples.<sup>79</sup>

The names and origins of these seven and the coding for them are shown in Charts 123 and 124 below.

		Breifne Clans Project			Family Residential ID			Lineage Origins		
		Subgroup Y3			Address	State/Prov. /County	From	Town	Year	County (Ire.)/ Prov./State
Kit	BCP	Princely Balto-Slavic Lines								
	Code	Non-Irish-Origin Controls								
		<u>Lithuanian</u>								
148373	M-R	M. Radziwill	R1a-M198*	R1a1*	Nieswicz	Minsk	1533	Kernavé	≤1413	Vilnius
		<u>Lithuanian Gediminid</u>								
132895	AGK	Askold Georgievich Khovanskii	N1c-M178*	N1c1*	Pinsk	Pinsk	1320	Vilnius	~1275	Vilnius
		<u>Polish</u>								
121174	LJAL	Ladislas Jean Adam Lubomirski	J2b-M241*	J2b2*	Castle of Rowne	Wolyn	1732	Lubomierz	≤1487	Silesia
		<u>Russian</u>								
135258	ASG	Anatoly Stanislavovich Gagarin	I2a-M423*	I2a2*	Moscow	Moscow	~1610	Moscow	?	Moscow
110642	PWS	Piotr Wacławowich Szuyski	R1a-M198*	R1a1*	Vilnius	Vilnius	1534	Moscow	1191	Moscow
		<u>Russian Rurikid</u>								
133692	N-R	Nikolai Rzhewsky	N1c-M178*	N1c1*	Smolensk	Smolensk	1125	Novgorod	~862	Novgorod
47176	APG	Andrei Petrovich Gagarin	N1c-M178*	N1c1*	Starodub	Vladimir-Suzdal	1238	Novgorod	~862	Novgorod

Chart 123  
Control Group: Subgroup Y3  
*Princely Balto-Slavic Lines*  
*Names & Origins*



Breifne Clans Project		Control Subgroup Y3:			Princely Balto-Slavic Lines			
					Unassigned Non-Irish-Origin		Haplogroup	
Ysearch		BCP				Current	#	
Database	Code	Kit/ID	Code	Surname	Name/Description	Shorthand	Nomenclature	M
				<u>Lithuanian</u>				
BCP	YNKMZ	148373	M-R	Radziwill	M. Radziwill	R1a-M198*	R1a1*	37
				<u>Lithuanian Gediminid</u>				
BCP	HP2VB	132895	AGK	Khovanskii	Askold Georgievich Khovanskii	N1c-M178*	N1c1*	37
				<u>Polish</u>				
BCP	none	121174	LJAL	Lubomirski	Ladislas Jean Adam Lubomirski	J2b-M241*	J2b2*	67
				<u>Russian</u>				
BCP	AQHG9	135258	ASG	Gagarin	Anatoly Stanislavovich Gagarin	I2a-M423*	I2a2*	37
BCP	R78MZ	110642	PWS	Szuyski	Piotr Wacławowich Szuyski	R1a-M198*	R1a1*	67
				<u>Russian Rurikid</u>				
BCP	WYAK3	47176	APG	Gagarin	Andrei Petrovich Gagarin	N1c-M178*	N1c1*	37
BCP	7GFWS	133692	N-R	Rzhevsky	Nikolai Rzhevsky	N1c-M178*	N1c1*	37

Chart 124  
Control Group: Subgroup Y3  
**Princely Balto-Slavic Lines**  
**Coding**

The results for these seven princes are shown in Chart 125 below.

			Marker Code																																											
Breifne Clans Project			3	3	1	3	3	3	4	3	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	G	Y	Y	4	6	5	5	C	C	4	4
Subgroups Y3:			9	9	9	9	8	8	2	8	3	8	9	8	5	5	5	5	5	4	3	4	4	6	6	6	6	6	6	A	C	C	5	0	7	7	D	D	4	3						
Controls: Princely Balto-Slavic Lines			3	0	1	5	5	6	8	9	9	2	9	8	9	9	5	4	7	7	8	9	4	4	4	4	0	T	A	A	6	7	6	0	Y	Y	2	8								
Non-Irish-Origin Unassigned Participants			or		a	b	i		ii		a		b		a		b		c		d		A																							
37-Marker Level			3			a		b																																						
BCP			9			H		I		I																																				
Kit/ID	Code	Surname	4			4		a		b																																				
FTDNA			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37							
			<u>Modal Haplotypes</u>																																											
Wilson ND	SWAMH	Super W Atlantic	13	24	14	11	11	14	12	12	12	13	13	29	17	9	10	11	11	25	15	19	29	15	15	17	17	11	11	19	23	16	15	18	17	37	38	12	12							
Swordenheim	ONMH	Old Norse	13	25	15	11	11	14	12	12	10	14	11	31	15	8	10	11	11	23	14	20	31	12	15	15	16	11	12	19	21	16	16	17	18	34	39	12	11							
Clan Donald	SLMH	Somerled Lineage	13	25	15	11	11	14	12	12	10	14	11	31	15	8	10	11	11	23	14	20	31	12	15	15	16	11	12	19	21	17	16	17	18	34	39	12	11							
			<u>Lithuanian</u>																																											
148373	M-R	Radziwill	13	26	16	10	11	14	12	12	11	13	11	29	16	9	10	11	11	23	14	20	30	12	12	15	15	10	11	19	23	17	16	19	18	35	39	13	11							
			<u>Lithuanian Gediminid</u>																																											
132895	AGK	Khovanskii	14	23	15	11	11	13	11	12	10	15	15	31	17	9	9	11	12	25	14	19	27	14	14	15	15	10	11	18	20	13	14	15	18	36	36	14	10							
			<u>Polish</u>																																											
121174	LJAL	Lubomirski	12	24	14	10	14	17	11	15	12	12	11	29	16	8	9	11	11	27	17	19	28	13	15	16	18	11	10	19	20	12	14	17	17	34	40	11	9							
			<u>Russian</u>																																											
135258	ASG	Gagarin	13	24	15	10	14	15	11	13	13	13	11	31	17	8	10	11	11	25	15	20	32	12	14	15	15	10	10	21	21	15	12	17	18	34	36	11	10							
110642	PWS	Szuyski	13	25	15	10	11	15	12	12	11	13	11	29	14	9	10	11	11	24	14	20	30	12	15	15	16	12	11	19	23	17	16	17	19	35	39	15	11							
			<u>Russian Rurikid</u>																																											
133692	N-R	Rzhevsky	14	23	14	11	11	13	11	12	10	14	14	31	18	9	9	10	12	25	14	19	29	14	14	15	15	12	11	18	20	14	15	16	19	34	34	14	10							
47176	APG	Gagarin	14	23	14	11	11	13	11	12	10	14	14	30	18	9	9	11	12	25	14	19	29	14	15	15	15	12	11	18	20	14	15	16	18	34	34	14	10							

Chart 125  
Control Group: Subgroup Y3  
*Princely Balto-Slavic Lines*  
Results, 37-Marker Level

			Marker Code																																		
Breifne Clans Project			5	5	3	3	5	5	6	4	4	5	4	4	4	5	5	4	4	5	4	4	4	5	4	6	5	4	5	6	4	5					
Subgroups Y3:			3	7	9	9	9	3	4	7	0	1	2	1	1	5	9	3	9	3	5	4	8	2	4	1	6	8	7	4	9	6					
Controls: Princely Balto-Slavic Lines			1	8	5	5	0	7	1	2	6	1	5	3	3	7	4	6	0	4	0	4	1	0	6	7	8	7	2	0	2	5					
Non-Irish-Origin Unassigned Participants					S	S				S			a	b																							
Markers 38-67					1	1				1																											
BCP					a	b																															
Kit/ID	Code	Surname																																			
	FTDNA		38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67					
			<u>Modal Haplotypes</u>																																		
Wilson ND	SWAMH	Super W Atlantic	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12					
Swordenheim	ONMH	Old Norse																																			
Clan Donald	SLMH	Somerled Lineage	11	8	17	17	8	12	10	8	11	10	12	22	22	15	11	12	12	13	8	14	23	21	12	12	11	13	11	11	12	12					
			<u>Lithuanian</u>																																		
148373	M-R	Radziwill																																			
			<u>Lithuanian Gediminid</u>																																		
132895	AGK	Khovanskii																																			
			<u>Polish</u>																																		
121174	LJAL	Lubomirski	11	8	15	17	8	11	10	8	11	9	12	21	23	16	11	12	12	18	8	13	23	20	12	13	11	14	10	13	12	11					
			<u>Russian</u>																																		
135258	ASG	Gagarin																																			
110642	PWS	Szuyski	11	8	17	18	8	11	10	8	11	11	12	22	22	15	11	12	12	13	8	13	23	21	12	12	11	13	12	11	12	13					
			<u>Russian Rurikid</u>																																		
133692	N-R	Rzhevsky																																			
47176	APG	Gagarin																																			

Chart 126  
Control Group: Subgroup Y3  
**Princely Balto-Slavic Lines**  
**Results, Markers 38-67**

The results above show that neither of the participants belonging to Haplogroup R1a-M198 demonstrate a connection with the Somerled lineage within the scope of this project, although they show an interesting degree of resemblance. The male-line Gediminid princes, descendants of Gedimin, one of the earliest grand dukes of Lithuania, and the male-line Rurikid princes, descendants of Rurik, first king of Novgorod, all appear to belong to the Finnish Haplogroup N1c. For further discussion see Andrzej Bajor's Rurikid Dynasty Project.<sup>80</sup>