Subgroup A2: Reilly-McGovern Cluster

Charts 15 & 16 below shows the names and origins for the members of this cluster, except for the Faughnans, who are placed with the A2 Various Lineages for economy of space. Of those in the BCP, most of the Reillys, all of the Faughnans and about half of the McGoverns here trace their lineages back to Breifne.

		Breifne Clans Project	Family	Residential ID			ı	Family Origins	in Ireland	
		Mixed Breifne Surnames	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County
		Haplogroup R1b-M222		/County						
BCP		Subgroup A2:								
Code	Kit	Reilly-McGovern Cluster, Part 1								
		Reilly Line Rgl-A2a								
NAR	43746	Noel Anthony Reilly	Cranaghan	Cavan	~1760	Cranaghan	~1760	Tomregan	Loughtee Lwr	Cavan
RJR	125067	Richard John Reilly	Sydney	New S. Wales	1825	unknown	≤1788	unknown	unknown	unknown
RERa	70393	Railey								
HLR	17628	Raley	Washington	Georgia	~1818					
THR	101550	Riley								
FJO'R	97783	O'Reilly	Belfast	Antrim		Belfast				Antrim
GGR	61073	Riley		Indiana	~1820					
KRR	124362	Riley		Indiana	~1820					
SP1R	77866									
DER	30739									
		Reilly Line Rgl-A2b								
GDR	146333	Gregory Dale Riley	Washington Co.	Florida		unknown	≤1812	unknown	unknown	unknown
HJO'R	64489	Hugh James O'Reilly	Milltown	Cavan	~1770	Milltown	~1770	Drumlane	Loughtee Lwr	Cavan
MJR	64492	Michael Joseph Reilly	Brockly	Cavan	≤1916	Brockly	≤1916	Annagh	Tullygarvey	Cavan
JLR	52528	John Lawrence Reilly	Corohopel	Leitrim	≤1871	Corohopel	≤1871	Drumreilly	Drumahaire	Leitrim
JFO'R1	N8271	John Francis O'Reilly	Tonagh	Cavan	≤1841	Tonagh	≤1841	Castleterra	Loughtee Upr	Cavan
TPR	53023	Reiley								
RLR	N31236	Reilly		Cavan						Cavan
B-R	73842	Riley <o'riley< td=""><td></td><td></td><td></td><td></td><td>~1800</td><td></td><td></td><td>Ireland</td></o'riley<>					~1800			Ireland
HDR	33468	Riley	Amherst Co.	Virginia	≤1700					
RERb	116353	Riley								
ERR	N48165	Riley <o'reilly< td=""><td></td><td></td><td></td><td></td><td>≤1870</td><td></td><td></td><td>Ireland</td></o'reilly<>					≤1870			Ireland

Chart 15
Subgroup A2
Reilly – McGovern Cluster, Part 1
Names & Origins

		Breifne Clans Project	Family	Residential ID			I	amily Origins i	n Ireland	
		Mixed Breifne Surnames	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County
		Haplogroup R1b-M222		/County						
BCP		Subgroup A2:								
Code	Kit	Reilly-McGovern Cluster, Part 2								
		McGovern Line Smr-A2a								
BDMcG	37762	Bruce Duane McGovern	Jones Co.	Iowa	>1860	Newry	≤1830	Newry	Newry	Down
SES	38409	S. E. S.	Sweetwood	Leitrim	≤1831	unknown	~1792	unknown	unknown	unknown
RAMcG	30369	Rory Alan McGovern	Sweetwood	Leitrim	≤1831	unknown	~1792	unknown	unknown	unknown
PJMcG2	43968	Peter James McGovern	Gortletteragh	Leitrim	≤1813	Gortletteragh	≤1813	Cloone	Mohill	Leitrim
WRMcG	117924	William Robbins McGovern	Milwaukee Co.	Wisconsin	~1865	Enniskillen	~1800	Enniskillen	Tirkennedy	Fermanagh
CJMcG	125340	Charles Joseph McGovern	Balgree	Meath	≤1785	Balgree	≤1785	Kilskeer	Upper Kells	Meath
		McGovern Line Smr-A2b								
DSMcG	22897	Donald Scott McGovern	Ballinamore	Leitrim	~1791	Ballinamore	~1791	Oughteragh	Carrigallen	Leitrim
dJ-McG	131335	McGovern	Tonlegee	Cavan	≤1850	Tonlegee	≤1850	Templeport	Tullyhaw	Cavan
TFMcG	N8216	Thomas Francis McGovern	Derryvella	Cavan		Derryvella		Templeport	Tullyhaw	Cavan
EOMcG	34985	Edward Owen McGovern	Tullyveela	Cavan	≤1870	Tullyveela	≤1870	Templeport	Tullyhaw	Cavan
PJMcG1	39335	Phillip James McGovern	Tullytrasna	Cavan	~1820	Tullytrasna	~1820	Corlough	Tullyhaw	Cavan
MJMcG	64486	Michael Joseph McGovern	Tullyminster	Cavan		Tullyminster		Templeport	Tullyhaw	Cavan
dB-McG	136749	McGovern	Ballinamore	Leitrim	≤1826	Ballinamore	≤1826	Oughteragh	Carrigallen	Leitrim
CGMcG	25890	Clovis Gene McGovern	Dallas	Texas	≤1850	unknown	~1823	unknown	unknown	Leitrim?
		McGovern Smr-A2x Unass.								
BMMcG	40445	Bernard Maurice McGovern	Tecumseh	Ontario	1836	unknown	≤1836	unknown	unknown	Leitrim?
JLMcG	35254	Joseph Ligouri McGovern	various	lowa	≤1880	unknown	≤1820	unknown	unknown	Mayo?

Chart 16 Subgroup A2 Reilly – McGovern Cluster, Part 2 Names & Origins

The following charts, Charts 17 & 18, show all the coding for the participants belonging to this cluster, including indications of known family groups.

				Breifne Clans Project			L	ine l	Ds				Н	#
				Mixed Breifne Surnames	S	F	S	G	S	L	F	М	а	
				Haplogroup R1b-M222	u	а	u	r	u	ī	а	е	р	М
				Subgroup A2:	r	m	r	0	b	n	m	m	I	а
				Reilly-McGovern Cluster	n	i	С	u	g	е	i	b	0	r
				Part 1	а	T	0	р	r		I	е	g	k
	Ysearch		ВСР		m	у	d		0		у	r	r	е
Database	Code	Kit/ID	Code		е		е		u				р	r
						sr			р		In			S
				Reilly Line Rgl-A2a										
ВСР	none	43746	NAR	Noel Anthony Reilly	4	1	Rgl	Α	2	а	1	1	R1b-M222	67
BCP	none	125067	RJR	Richard John Reilly	4	6	Rgl	Α	2	a	6	1	R1b-M222	67
RlySP		70393	RERa		†		Rgl	Α	2	а	-	Ė	R1b-M269*	67
RlySP		17628	HLR	Raley			Rgl	Α	2	а			R1b-M269*	67
RlySP		101550	THR	Riley			RgI	Α	2	а			R1b-M269*	37
RIySP		97783	FJO'R	O'Reilly			Rgl	Α	2	а			R1b-M269*	37
RlySP		61073	GGR	Riley			Rgl	Α	2	а		IX	R1b-M222	37
RlySP		124362	KRR	Riley			RgI	Α	2	а		1 1	R1b-M269*	37
RlySP		77866	SP1R				RgI	Α	2	а		1	R1b-M222	37
RlySP		30739	DER				RgI	Α	2	а			R1b-M269*	67
				Reilly Line Rgl-A2b										
ВСР	JNCWC	146333	GDR	Gregory Dale Riley	4	7	Rgl	Α	2	а	7	1	R1b-M222	37
ВСР	5ZDMK	N8271	JFO'R1	John Francis O'Reilly	4	2	Rgl	Α	2	b	5	1	R1b-M269*	37
ВСР	none	64489	HJO'R	Hugh James O'Reilly	4	3	Rgl	Α	2	b	2	1	R1b-M269*	37
ВСР	none	64492	MJR	Michael Joseph Reilly	4	5	Rgl	Α	2	b	4	1	R1b-M269*	37
ВСР	none	52528	JLR	John Lawrence Reilly	4	4	Rgl	Α	2	b	3	1	R1b-M222	37
RlySP		53023	TPR	Reiley			RgI	Α	2	b			R1b-M222	37
RlySP		N31236	RLR	Reilly			RgI	Α	2	b			R1b-M269*	37
RlySP		73842	B-R	Riley <o'riley< td=""><td></td><td></td><td>RgI</td><td>Α</td><td>2</td><td>b</td><td></td><td></td><td>R1b-M269*</td><td>37</td></o'riley<>			RgI	Α	2	b			R1b-M269*	37
RlySP		33468	HDR	Riley			Rgl	Α	2	b			R1b-M269*	37
RlySP		116353	RERb	Riley			Rgl	Α	2	b			R1b-M269*	37
RlySP		N48165	ERR	Riley <o'reilly< td=""><td></td><td></td><td>Rgl</td><td>Α</td><td>2</td><td>b</td><td></td><td></td><td>R1b-M269*</td><td>37</td></o'reilly<>			Rgl	Α	2	b			R1b-M269*	37
RlySP		27766	MLR	Riley			Rgl	Α	2	b			R1b-M269*	37

Chart 17
Subroup A1
Reilly – McGovern Cluster, Part 1
Coding

				Breifne Clans Project			Li	ne l	Ds				Н	#
				Mixed Breifne Surnames	s	F	S	G	S	L	F	М	а	<u> </u>
				Haplogroup R1b-M222	u	а	u	r	u	i	а	е	р	М
				Subgroup A2:	r	m	r	0	b	n	m	m	i	а
				Reilly-McGovern Cluster	n	i	С	u	g	е	i	b	0	r
				Part 2	а	ı	0	р	r		1	е	g	k
	Ysearch		ВСР		m	У	d	Ė	0		У	r	r	е
Database	Code	Kit/ID	Code		е		е		u				р	r
						sr			р		In			s
				McGovern Line Smr-A2a										
ВСР	RNKRQ	117924	WRMcG	William Robbins McGovern	3	12	Smr	Α	2	а	4	1	R1b-M269*	67
ВСР	none	37762	BDMcG	Bruce Duane McGovern	3	5	Smr	Α	2	а	1	1	R1b-M269*	37
ВСР	none	38409	SES	S. E. S.	3	8	Smr	Α	2	а	2	1	R1b-M269*	67
ВСР	A6UFG	30369	RAMcG	Rory Alan McGovern	3	8	Smr	Α	2	а	2	2	R1b-M269*	67
ВСР	none	43968	PJMcG2	Peter James McGovern	3	10	Smr	Α	2	а	3	1	R1b-M269*	37
ВСР	none	125340	CJMcG	Charles Joseph McGovern	3	12	Smr	Α	2	а	5	1	R1b-M269*	37
				McGovern Line Smr-A2b										
ВСР	XU34G	22897	DSMcG	Donald Scott McGovern	3	1	Smr	Α	2	b	1	1	R1b-M269*	37
McGDW	X034G	131335	dJ-McG	Donald Scott McGovern	-	•	Smr	A	2	b	Ľ	•	R1b-M269*	37
BCP	none	N8216	TFMcG	Thomas Francis McGovern	3	7	Smr	A	2	b	6	1	R1b-M269*	37
BCP	P2BTV	34985	EOMcG	Edward Owen McGovern	3	3	Smr	A	2	b	2	1	R1b-M269*	37
BCP	none	39335	PJMcG1	Phillip James McGovern	3	9	Smr	Α	2	b	3	1	R1b-M269*	37
ВСР	none	64486	MJMcG	Michael Joseph McGovern	3	11	Smr	Α	2	b	5	1	R1b-M269*	37
McGDW		136749	dB-McG		-		Smr	Α	2	b			R1b-M269*	37
ВСР	7S2NF	25890	CGMcG	Clovis Gene McGovern	3	2	Smr	Α	2	b	4	1	R1b-M269*	37
				McGovern Smr-A2x Unass.										
ВСР	none	40445	BMMcG	Bernard Maurice McGovern	3	6	Smr	Α	2	x	1	1	R1b-M269*	37
ВСР	MY3RG	35254	JLMcG	Joseph Ligouri McGovern	3	4	Smr	Α	2	x	2	1	R1b-P25*	37
				Faughnan Line Fct-A2a										
ВСР	none	25638	MFF	Michael Francis Faughnan Jr.	6	1	Fct	Α	2	а	1	1	R1b-M269*	37
ВСР	ZRV4B	14141	V-F	Victor Faughnan	6	3	Fct	Α	2	а	3	1	R1b-M269*	37
ВСР	none	25839	JPF	Joseph Patrick Faughnan	6	2	Fct	Α	2	а	2	1	R1b-M269*	37

Chart 18 Subroup A1 Reilly – McGovern Cluster, Part 2 Coding

Below, in Charts 19 & 20, are the results and patterns for the members of this cluster, again except for the Faughnans, who are placed with the A2 Various

Lineages for economy of space.

Duelfue Ol	Dualant		Mari		0-4-																																-
Breifne Clans Mixed Breifne S	-	3	Mar 3	Ker (Code 3	3	3	4	3	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	G	Υ	Υ	4	6	5	5	С	С	4
Haplogroup R1		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	A	C	C	5	0	7	7	D	D	4
Subgroup		3	0	9	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	Υ	Υ	2
Reilly-McGoveri		,	U	or	+ '	a	b		0	9	i		ii	0	a	b	J	-	'	'	0	3	a	b	C	ď	U	A	^	^	U	'		U	<u>'</u>	'	-
Part 1	ii Olustei			3		a					Ŀ		-"-		u								u		Ů	u		^	ı	ı					а	b	-
raiti	ВСР			9																			_					Н	i L	i T					a	U	-
Kit/ID	Code			4																								4	a	b							-
Kitib	FTDNA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	10	20	21	22	23	24	25	26		28	29	30	31	32	22	3/1	35	36
Modal Haplotypes	IIDIKA	H.	-	-	-	-		'		-	10	"	12	10		13	10	-"	10	13	20	-1		20		20	20	21	20	23	30	31	32	33	77	33	30 ,
Super W Atlantic	SWAMH	13	24	14	11	11	14	12	12	12	13	13	29	17	a	10	11	11	25	15	10	20	15	15	17	17	11	11	10	23	16	15	18	17	36	38	12
Irish TCD	IMH	13		14	-			12		12	13	14			-	-10			20	15	13	23	10	13	-	.,	11		10	20	10	13	-10		30	30	12
Northwest Irish	NWIMH				-	11	13	12	-	_	_			17	a	10	11	11	25		18	30	15	16	16	17		11	10	23	17	16	18	17	38	30	12
Northwest man	INVIIIII	10	25		-"		13	12	12	12	13	''	23		,	10			20	13	10	30	10	10	10	.,			10	20	"	10	10		30	33	12
Line Rgl-A2a	Reilly																																				
43746	NAR	13	25	14	10	11	13	12	12	12	13	14	28	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	16	16	15	17	35	38	12 '
125067	RJR		25			11		12		12		14	29	17	9	10			25			30			16			11		23	17				37		12 '
70393	RERa					11		12	12	12		14	29	17	9	10	11	11	25			30					10		19	23	17	16	17		38		12 ′
17628	HLR					11		12	12	13	13	14	30	16	9	10	11	11	25	16		30			16				19	23	17	16	17		38		12 ′
101550	THR		25			11		12		12	13	14	29	17	9	9	11	11	25	15			15	16	16	16	11		19	23	17	15	17	17	36		12 '
97783	FJO'R	13				11		12		12	13	14	29	17	9	10	11	11					15		16	17	11		19	23	17	16	17	17	38		12 ′
61073	GGR		25			11		12		12	13	14	29	17	9	10	11	11				30			16		11		23	23	17	16	19	17	37		12 ′
124362	KRR	13		14				12		12		14	29	17	9	10	11	11				30					11			23	17		18		37		12 ′
77866	SP1R	13		14		10		12		12		14	29	17	9	9	11	11				31			16		11		19	23	18		18	17	37	38	12
30739	DER	13	24	15	10	11	13	12	12	12	13	14	29	17	9	10	11	11							16	17	11	11	19		17	16	17	17	37	39	12 ′
	Reilly																																				
Line Modal	Rgl-A2aMH	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	17	17	37	38	12 ′
Line Rgl-A2b	Reilly																																				
146333	GDR	13	25	13	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	37	38	12 ′
N8271	JFO'R1	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	38	39	12 ′
64489	HJO'R	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	26	15	18	30	16	16	16	17	11	11	19	23	17	17	16	17	37	38	12 ′
64492	MJR	13	25	14	10	11	13	12	12	12	13	14	29	18	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	18	17	37	38	12 ′
52528	JLR	13	25	14	9	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	12	11	19	23	17	17	17	17	38	38	13
53023	TPR	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	31	16	16	16	17	10	11	19	23	17	17	17	17	38	38	12 ′
N31236	RLR	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	37	38	11 '
73842	B-R	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	38	39	12 ′
33468	HDR	13	25	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	14	18	30	16	16	16	17	11	11	19	23	17	17	16	17	37	38	12 ′
116353	RERb	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	38	39	12 ′
N48165	ERR	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	10	11	19	23	16	17	17	17	36	39	12 ′
27766	MLR	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	23	17	17	17	17	38	38	12 ′
	Reilly																																				
Line Modal	Rgl-A2bMH	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	10	23	17	17	17	17	38	38	12 '

Chart 19
Subgroup A2
Reilly – McGovern Cluster, Part 1
Results & Patterns

	ВСР		A2,	Reill	y-Mc	Gov	ern (Clust	er, P	art 2																												
Kit/ID	Code	1	2	3	4	5	6	7	8	9		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
Line Smr-A2a	McGovern			H				H															H										H					_
117924	WRMcG	13	26	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	12	11	19	23	16	16	18	17	37	40	12	12
37762	BDMcG	13	26	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	16	16	18	17	37	39	12	12
38409	SES	13	26	14	10	11	13	12	12	13	13	14	29	17	10	10	11	11	25	15	18	31	15	16	16	17	11	12	19	23	16	16	18	17	37	40	12	12
30369	RAMcG	13	26	14	10	11	13	12	12	13	13	14	29	17	10	10	11	11	25	15	18	29	15	16	16	17	11	12	19	23	16	16	19	17	37	40	12	12
43968	PJMcG2	13	26	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	16	12	12	19	23	16	16	19	17	37	41	12	12
125340	CJMcG	13	25	14	10	11	13	12	12	12	13	14	30	17	9	10	11	11	25	15	18	30	15	16	16	17	11	10	19	23	16	16	18	17	37	41	12	12
	McGovern																																					
Line Modal	Smr-A2aMH	13	26	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	16	16	18	17	37	40	12	12
Line Smr-A2b	McGovern			H				H															L										H					_
22897	DSMcG	13	25	14	10	12	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	12	12	19	22	16	16	18	17	38	41	12	12
131335	dJ-McG		25		10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18		15	16		17	11	11	19	22		16		17	38	40	12	
N8216	TFMcG		25		10		13	12	12	12	13	14	29	17	9	10	11	11	25	15	18		15			17	11	10	19	22		16				40	12	
34985	EOMcG		25		10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	16	16	16	17	11	11	19	22	17	16	18	17	38	40	12	
39335	PJMcG1		25		10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15			15	15	16	16	11	11	19	22	17	16	18	17	39	40	12	
64486	MJMcG	13	25	14	10	11	13	12	12	11	13	14	29	17	9	10	11	11	25	15			15	16	16	17	11	11	19	22	17	16	19	17	38	40	12	12
136749	dB-McG	13	24	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	22	17	16	19	17	38	40	12	12
25890	CGMcG	13	25	14	10	11	13	12	12	12	13	15	29	16	9	10	11	11	25	15	18	30	15	16	16	17	12	11	19	23	17	16	19	17	38	40	12	12
	McGovern																																					_
Line Modal	Smr-A2bMH	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	22	17	16	18	17	38	40	12	12
Line Smr-A2x	McGovern							H																									H		H			_
40445	BMMcG	13	24	14	11	11	13	12	12	13	13	14	30	16	9	10	11	11	25	15	18	31	15	16	16	16	11	11	19	23	17	16	18	17	37	39	12	12
35254	JLMcG		25		11	11	13	12	12	12	13	14	29	18	9	10	11	11	25	15			14	16		17	11	11	19	23		16		17	38	38		
	McGovern																																					
Surname M		13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	18	17	38	40	12	12

Chart 20
Subgroup A2
Reilly – McGovern Cluster, Part 2
Results & Patterns

Subgroup A2 is a collection of R1b-M222 participants of various surnames who share a non-R1b-M222 and non-SWAMH value of ten for DYS 391 (Marker 4) that is consistent across all the Reillys, the McGoverns, the Faughnans and the McKienans, with three exceptions out of 24 participants. The exceptions are two McGoverns and a Reilly. The Reillys, the McGoverns, the Faughnans and the McKiernans are each represented by three or more participants. A Donohue and a McTiernan who each show this value have been placed here with the three McKiernans due to the close resemblance in profiles. The DYS 391 column is colored yellow for this subgroup.

The haplotype profiles of the Breifne Clans Project (BCP) Reilly and McGovern participants have been augmented by the profiles of 15 Reillys/Rileys from the Riley Surname Project¹⁸/ Riley Freepages (RlySP)¹⁹ and of two McGoverns from the McGovern DNA Website (McGDW).²⁰

The additional data here continues to support what was noted in previous reports, that the overall aspect of their profiles suggests that these Reillys, McGoverns, Faughnans, McKiernans and the others descend from a common male-line ancestor who belonged to Haplogroup R1b-M222, had a value of ten for DYS 391, lived in the few centuries before the earliest of the eponymous ancestors of these clans, and was not the ancestor of the Donohoes, McTiernans, Clancys, O'Conors or representatives of other surnames in Subgroup A1. A characteristic deviant value for only a single marker is a somewhat weak basis on which to construct a subgroup, though, so as further data becomes available the arrangement here may have to be modified.

With the additional Reilly/Riley R1b-M222 haplotype profiles from the RlySP, it is now clear that there are at least two Reilly lines, related but distinct. This has allowed the construction of a second line modal. The McGoverns continue to fall into two distinct lines with two McGoverns remaining unassigned.

Chart 21 below shows the links among the participants in Subgroup A2, who each fall into one of four surname lines or into the grouping of the two unassigned McGoverns. The additional Reilly and McGovern participants included in the haplotype profiles above are not included here. The Reilly line and the two principal McGovern lines each show weak links with all of the other lines. The Faughnan line shows moderate as well as weak links with the McGovern Sm-A2a line and no links with the McKiernan line, and the two unassigned McGoverns show no links with the Faughnan line or with the McGovern Sm-A2a line.

The two McGovern lines are now showing more extensive and stronger inter-line linkages.

		4 5	L	40		07		00	-00		40			4 "			L				-		-		
		15	_	18		27	-	30	39	_	42				of Gene										
	e Clans	19	_	22		31	-	34	43	_	46				ude th										
	t (BCP)	23	-	26		35	-	38	47	_	50		-		n Male										
Subgro	oup A2:	Co	olor (Code	for	Deg	ree c	of Clos	seness	of L	ink		а	t the 9	99% Pr	obab	ility	Leve	el						
_	lcGovern																								
Clu	ster	G	М	Н	R	J	J	N	М	E	Т	Р	С	D	W	В	S	R	Р	С	В	J	M	V	J
		D	J	J	J	F	L	Α	J	0	F	J	G	S	R	D	E	Α	J	J	M	L	F	-	P
Kit	Code			0'		Ο'			Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс	Мс			
		R	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	F
												1							2						
146333	GDR	_	25	25	24	27	34	49		49					· -¦	49						46			49 1
64492	MJR	25	х	25	29	34	42	50		46				1		47		-		49		45			
64489	HJO'R	25	25	х	29	33	42	49		49						50		-				50			
125067	RJR	24	29	29	х				-				49					_		45	-		+		
N8271	JFO'R1	27	34	33		х	30	i	47	43	46		50			47		_			-	44	46	46	47
52528	JLR	34	42	42		30	х	1		49				İ	÷			_			-	45			49
43746	NAR	49	50	49				x	- i -					1	-	47		_		46	-				47
		· · · ·		O'Re	eilly F	L⊥ RgI-A	∟ \2a/b		<u></u>					<u>i</u> -							- i	<u> </u>			
64486	MJMcG	 ;		·	r	47		r	×	25	29	31	32	50	49							50			
34985	EOMcG	49	46	49		43	49		25	х		26	38	41	40	44		_			-	43	46	46	50
N8216	TFMcG					46		i	29		Х		43	36	41			_		39	+		50		46
39335	PJMcG1	-						H	31	26		Х	48		40	44		_			-				
25890	CGMcG	-i			49	50			32	38	43		х	İ	42			_			-	49			i
22897	DSMcG	-						H	50	41	36			х	43	50		_	49	39	-				!
	200	-}								ИсG		Sm	L r-A2l	L !							- -	<u> </u>	<u> </u>		
117924	WRMcG								49		41	40	42	43		21	33	40	36	34		<u> </u> -			<u> </u>
37762	BDMcG	49	47	50		47		47		44		44		50	21	X	36	44	42	29	-	<u> </u>	41	47	47
38409	SEMcG	- 1							-						33	36	Х	2	44	48	-		49		
30369	RAMcG	'	-	-	-	-	-	- :		-	-	-	-	_ :		-	2	×	-	_ :		- :		-	_ i
43968	PJMcG2	-						÷						49	36	42	44	36	х	44	-	<u> </u>			!
125340	CJMcG	-i	49		45			46	i		39			39	34	29	48		44	х	i	i			
							ļ		_ <u>_</u>	ļ							ern S	mr- <i>F</i>			- -	├ 		ļ	·!
40445	BMMcG							<u>-</u>						 -					<u> </u>	<u>-</u>	x	<u> </u>	<u> </u>		├ :
35254	JLMcG	46	45	50		44	45	+	50	43			49	<u> </u>	-			_		<u> </u>	+	x	-		45
		7												· i	_ i					Mc	Govern	L i -	A2x		
25638	MFF	+				46				46	50					41	49				[, <u>, , , , , , , , , , , , , , , , , , </u>	18	22
14141	V-F	-¦				46		H		46				1		47		_				H	18	Х	22
25839	JPF	49					49	47		50	46			<u> </u>	-	47		_		- ÷	-	45	22	22	X
					·									<u> </u>	_					·	-i		Faugh		'

Chart 21
Subroup A2, 37-Marker Level
O'Reilly-McGovern Cluster
Generations to MRCA at 99% Probability

Subgroup A2: Various Lineages

Chart 22 below shows the names and origins for the members of Subgroup A2 who have not yet been assigned to a cluster, plus the Faughnans. Only about a quarter of these lineages can be traced back to Breifne.

		Breifne Clans Project	Family	Residential ID			F	amily Origins in	Ireland	
		Mixed Breifne Surnames	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County
		Haplogroup R1b-M222		/County						
BCP		Subgroup A2:								
Code	Kit	Various Lineages								
		Faughnan Line Fct-A2a								
MFF	25638	Michael Francis Faughnan Jr.	Cattan	Leitrim	≤1813	Cattan?	~1790	Cloone?	Mohill?	Leitrim
V-F	14141	Victor Faughnan								Leitrim
JPF	25839	Joseph Patrick Faughnan	Cloonfannon	Leitrim	≤1850	Cloonfinnan	≤1850	Mohill	Mohill	Leitrim
		McKiernan Line Tgr-A2a								
W-D	84595	William Donohue	Cook Co.	Illinois	1850s	unknown	≤1850	unknown	unknown	Roscommon?
B-K	64485	Brendan Kiernan								
FjMcK	43740	Francis Joseph MacKiernan	Sradrinan	Leitrim		Sradrinan		Drumreilly	Carrigallen	Leitrim
KJMcK	64491	Kevin Joseph McKiernan	Paisley	Renfrewshire	≤1880	unknown	≤1880	unknown	unknown	unknown
E-McT	8723	Ed McTiernan	Tulcon	Leitrim	<1846	Tulcon	<1846	Cloon	Mohill	Leitrim
		Clarke Line Clr-A2a								
M-C	90912	Michael Clarke								
CSP1	10278	Clarke								
ANC		Andrew N. Clarke	Drumacarrow	Cavan	~1820	Drumacarrow	~1820	Killashandra	Tullyhunco	Cavan
T-C		Thomas Clarke	Fermoy	Cork	≤1815	Fermoy	≤1815	Fermoy	Condons&CG	Cork
		Misc. A2 Lines								
PMC	16646	Paul Michael Conroy								
JJC1	75557	James Joseph Coogan	Kingston	New York	1847	unknown	~1800	unknown	Cremorne	Monaghan
J-C	65836	John Cullivan	Pottawatomie	Kansas	≤1880	Cavan	≤1842	Urney	Loughtee Upr	Cavan
JJF	N20731	John Joseph Flynn	Tarrytown	New York	1880	unknown	≤1880	unknown	unknown	Roscommon
PJO'R2	113219	Patrick Joseph O'Rourke	Dromahaire	Leitrim	≤1660	Dromahaire	≤1660	Drumlease	Drumahaire	Leitrim

Chart 22 Subgroup A2 Various Lineages Names & Origins

The coding for these unclustered members of Subgroup A2 can be seen in Chart 23 below.

				Breifne Clans Project			Li	ne I	Ds				Н	#
				Mixed Breifne Surnames	S	F	S	G	S	L	F	М	a	
				Haplogroup R1b-M222	u	а	u	r	u	i	а	е	р	М
				Subgroup A2:	r	m	r	0	b	n	m	m	l	а
				Various Lineages	n	i	С	u	g	е	i	b	0	r
					а	I	0	р	r		1	е	g	k
	Ysearch		ВСР		m	У	d	Ė	0		У	r	r	е
Database	Code	Kit/ID	Code		е	-	е		u		-		р	r
						sr			р		In			s
				McKiernan Line Tgr-A2a										
ВСР	none	43740	FJMcK	Francis Joseph MacKiernan	2a	1	Tgr	Α	2	а	1	1	R1b-M269*	37
BCP	none	64491	KJMcK	Kevin Joseph McKiernan	2a	2	Tgr	Α	2	a	2	1	R1b-P310*	37
ВСР	none	64485	B-K	Brendan Kiernan	2a	3	Tgr	Α	2	а	3	1	R1b-P310*	37
ВСР	T2R9K	84595	W-D	William Donohue	1b	1	Dnc	Α	2	а	1	1	R1b-P310*	37
ВСР	none	8723	E-McT	Ed McTiernan	2a		Tgr					x	R1b-M269*	25
ВСР	none	90912	M-C	Michael Clarke	10	1	Clr	Α	2	а	1	1	R1b-P312*	37
CIrSP	none	10278	CSP1	Clarke	10		Clr	Α	2	a	-	-	R1b1	37
Ysearch	YVJR8		ANC	Andrew N. Clarke	10		Clr	Α	2	а			R1b-M269*	37
Ysearch	ECCPK		T-C	Thomas Clarke	10		Clr	Α	2	а			R1b-M222	67
ВСР	DFG6F	16646	PMC	Paul Michael Conroy	s	1	Cnr	Α	2	а	1	1	R1b-M222	67
ВСР	none	75557	JJC1	James Joseph Coogan	S	1	Cgn	Α	2	а	1	1	R1b-M269*	37
DOD	V7770	CE02C	1.0	John Cullivan		4	Ami		_	_	4	4	D4h M2C0*	67
ВСР	X7Z7C	65836	J-C	JOHN Cullivan	S	1	Anl	Α	2	а	1	1	R1b-M269*	67
ВСР	none	N20731	JJF	John Joseph Flynn	s	1	Fln	A	2	а	1	1	R1b-M269*	37
ВСР	none	113219	PJO'R2	Patrick Joseph O'Rourke	s	1	Rdr	Α	2	а	1	1	R1b-M269*	37

Chart 23 Subgroup A2 Various Lineages Coding

The results and patterns for the unclustered members of Subgroup A2, plus the Faughnans, can be seen in Charts 24a & 24b below.

Breifne Clans	Project		Mar	ker (Code																																
Mixed Breifne S	urnames	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	G	Y	Y	4	6	5	5	C	C	4
Haplogroup R	1b-M222	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	A	C	C	5	0	7	7	D	D	4
Subgroup	A2:	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
Various Lineago	es, Part 1			or		a	b				i		ii		a	b							a	b	C	d		A									
				3																									I	I					a	b	
	ВСР			9																								Н	ı	Ι							
Kit/ID	Code			4																								4	a	b							
		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
Modal Haplotypes																																					
Super W Atlantic	SWAMH	13		14	11	11	14	12	12	12	13	13		17	9	10	11	11	25		19	29	15	15	17	17	11	11	19	23	16	15	18	17	36	38	12
Irish TCD	IMH		25	14	11				12	12		14	29							15							11										
Northwest Irish	NWIMH	13	25	14	11	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	18	17	38	39	12
Line Fct-A2a	Faughnan							H																													+
25638	MFF	13	26	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	15	16	18	17	38	39	12
14141	V-F	13	26	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	30	14	16	16	17	11	11	19	23	15	16	18	17	38	39	12
25839	JPF	13	26	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	15	16	17	17	38	38	12
	Faughnan																																				\top
Modal	Fct-A2aMH	13	26	14	10	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	15	16	18	17	38	39	12
Line Tgr-A2a	McKiernan							H																													+
43740	FJMcK	13	25	14	10	11	11	12	12	12	13	14	30	18	9	10	11	11	25	15	18	29	15	16	16	17	11	11	19	23	17	15	18	17	37	39	12
64491	KJMcK	13	25	14	10	11	11	12	12	12	13	14	29	18	9	10	11	11	25	15	18	31	15	16	17	17	12	11	19	23	18	16	16	17	37	40	12
64485	B-K	13	25	14	10	11	11	12	12	12	13	14	29	18	9	10	11	11	25	15	18	30	15	16	17	17	12	11	19	23	17	16	18	18	38	40	12
84595	W-D	13	25	14	10	11	11	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	17	17	11	11	19	23	17	16	19	17	36	40	12
8723	E-McT	13	25	14	10	11	11	12	12	12	13	14	29	18	9	10	11	11	25	15	18	30	15	16	17	17											
	McKiernan																																				
Modal	Tgr-A2aMH	13	25	14	10	11	11	12	12	12	13	14	29	18	9	10	11	11	25	15	18	30	15	16	17	17	11	11	19	23	17	16	18	17	37	40	12

Chart 24a
Subgroup A2
Various Lineages, Part 1
Results & Patterns

	BCP	A2	, Var	ious	Line	age	s, Pa	rt 2																														
Kit/ID	Code	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
	Clarke							H																									H					H
90912	M-C	13	25	16	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	15	17	17	37	38	12	12
10278	CSP1	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	15	16	17	11	12	19	23	17	16	18	17	37	38	12	1
	ANC	13	25	14	10	11	14	12	12	12	13	14	29	17	9	10	11	11	24	15	18	29	15	16	16	17	11	11	19	23	17	16	18	17	37	37	12	1
	T-C	13	25	14	10	11	13	12	12	12	13	15	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	18	17	37	38	12	1
	Clarke																																					Г
Line Modal	Line Clr-A2a	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	18	17	37	38	12	12
	Conroy							H																									H					F
16646	PMC	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	14	18	32	15	16	17	17	12	11	19	23	14	16	19	17	36	41	13	1:
	Coogan							H																									H					
75557	JJC1	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	16	15	18	17	37	40	12	1:
	Cullivan							H																									H			_		F
65836	J-C	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	32	15	15	16	17	11	11	19	23	17	16	18	17	38	39	12	1:
	Flynn							H																									H					F
N20731	JJF	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	26	15	18	30	15	15	16	17	11	11	19	23	17	17	19	17	38	39	12	12
	O'Rourke							H																									H					F
113219	PJO'R2	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	15	16	18	17	36	39	12	12
								H																														F
	MBS A2																																					
ubgrp Modal	MBSA2MH	13	25	14	10	11	13	12	12	12	13	14	29	17	9	10	11	11	25	15	18	30	15	16	16	17	11	11	19	23	17	16	18	17	38	39	12	12

Chart 24b Subgroup A2 Various Lineages, Part 2 Results & Patterns

Charts 25 & 26 below show the links found among the participants belonging to Subgroups A1 & A2 who have not been assigned to a cluster.

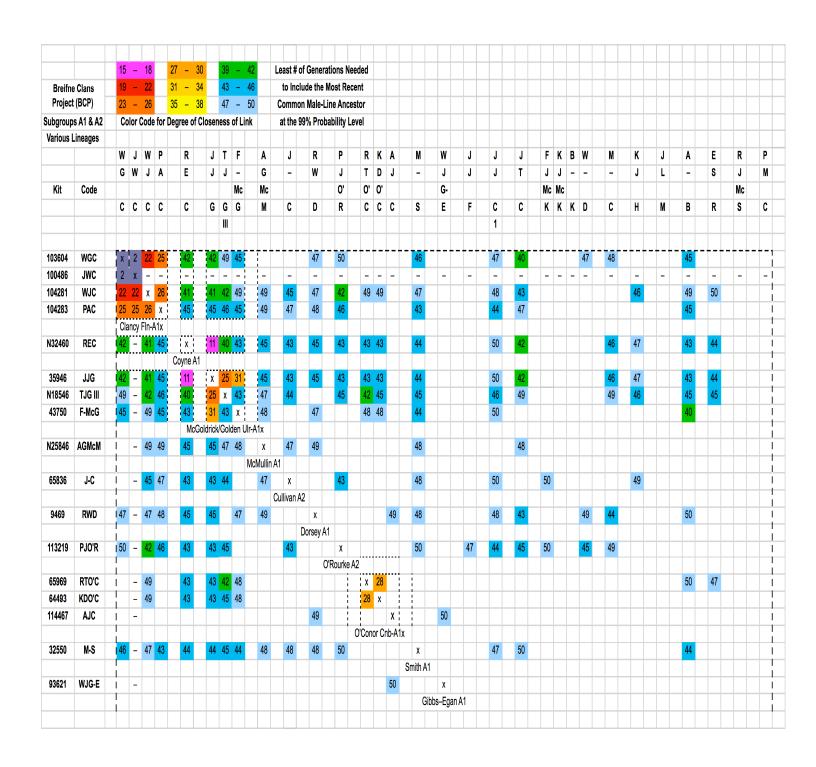


Chart 25
Subroup A2, 37-Marker Level
Various Lineages, Part 1
Generations to MRCA at 99% Probability

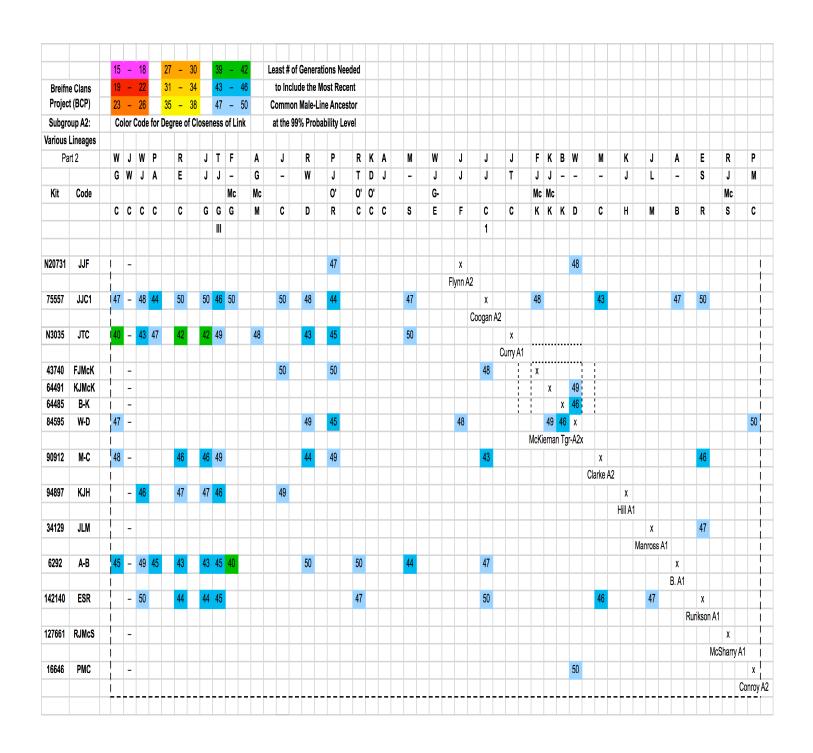


Chart 26
Subroups A1 & A2, 37-Marker Level
Various Lineages, Part 2
Generations to MRCA at 99% Probability

As noted in the last report, among these surnames there is none sufficiently numerous to form a "core" for a cluster. A possible cluster appears in the upper left quadrant with the Clancy-Golden-Coyne-Curry surnames. The Coyne participant has a profile identical to one of the Goldens at this level, and they are only a Genetic Distance = 1 away from the NWIMH at the 37-marker level, so it may be difficult to develop a distinctive cluster profile here.

With the augmentation of one Clarke from the Clarke Surname Project²¹ and two Clarkes from Ysearch²², it has been possible to construct a 37-marker Clarke line modal haplotype to add to the 37-marker McKiernan line modal haplotype here.

At the 37-marker level the overall Subgroup A1 modal haplotype is identical to the NWIMH, while the overall Subgroup A2 modal haplotype is off at only one marker, with a value of 10 instead of the standard 11 at DYS 391.

Group A: 67-Marker Level

Upgrading to the 67-marker level has been completed by 32 of the participants (including on Reilly and one Clarke from other projects), representing 27 independent lineages, 16 lines and 13 surnames. Their results for the additional 30 markers are given in Charts 27, 28 & 29 below.

												Mar	kers																		\vdash
Breifne Clans	Proiect	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
Group /		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
Mixed Breifne S		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
Markers 38-67		ļ .	-	S	S	-		-	_	S	-	-	а	b		i i	-		Ė	-		-			+		Ė	-	+	┢	H
	, , , , , ,			1	1					1			-																		+
	ВСР			а	b																										+
Kit/ID	Code																														İ
	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	6
Modal Haplotypes		-	-											-	-		-	-	-	-	-	-	-	-			-	-	-	-	Ť
Super W Atlantic	SWAMH	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	1
Northwest Irish	NWIMH	11	9	15	16	8	10	10	8	10	10	12		23	16	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	1:
Line Dnc-A1a	Donohoe																												-	-	\vdash
11571	JAD1	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	24	21	13	12	11	13	11	11	12	1
19050	RDD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	24	21	13	12	11	13	11	11	12	1
16340	WJD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	24	21	13	12	11	13	11	11	12	1
22521	RPD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	24	21	13	12	11	13	11	11	12	1
32877	SCD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	21	13	12	11	13	10	11	12	1
82388	KCD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	21	13	12	11	13	10	11	12	1
Line Dnc-A1c	Donohoe													-															-		H
42569	JPD3	11	9	15	16	8	10	10	8	11	11	12	21	23	16	10	12	12	16	8	12	25	21	13	12	11	13	11	11	12	1
82395	BED	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	16	8	12	24	20	13	12	11	13	11	11	12	1
11877	JAD2	11	9	15	16	8	10	10	8	11	10	12	21	23	16	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	1
20744	MHD	11	9	15	16	8	10	10	8	10	10	12	21	23	15	10	12	12	16	8	12	25	20	13	12	11	13	11	11	12	1
	Donohoe																														Г
Line Modal	Dn-A1cMH	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
Line Dnc-A1b	Donohoe													-															-	-	H
142568	PAD	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	12	11	12	1:
19590	TRD	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	17	8	12	25	20	14	12	11	13	12	11	12	1
19591	JMD3	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	12	11	14	1.
	Donohoe																														Γ
Line Modal	Dnc-A1bMH	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	12	11	12	1

Chart 27 Group A All Lineages, Part 1 Results, Markers 38-67

	BCP																														
Kit/ID	Code				Bre	eifne	Cla	ns Pr	ojec	t Gro	up A	: Mi	ked E	3reifr	ne Su	ırnar	nes,	Marl	ers	38-6	7, Pa	rt 2									L
Modal Haplotypes																															H
Super W Atlantic	SWAMH	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
Northwest Irish	NWIMH	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
Dnc-A1x Unass	Donohoe													H																	
N52872	JWD	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
Line Clr-A2a	Clarke													H																	
	T-C	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	15	8	12	25	20	13	12	11	13	11	11	12	12
Line Cnc-A1a	O'Conor													H																	F
64493	KDO'C	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	13	25	20	13	12	11	13	11	11	12	12
65969	RTO'C	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	17	8	13	25	20	13	12	11	13	11	11	12	12
	Coyne													H																	
N32460	REC	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
	Conroy												-	H																	
16646	PMC	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	13	25	20	13	13	11	14	11	11	12	12
	Cullivan																														
65836	J-C	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
	Curry																														
N3035	JTC	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

Chart 28 Group A All Lineages, Part 2 Results, Markers 38-67

	ВСР																														
Kit/ID	Code				Bre	eifne	Clar	ıs Pr	ojec	Gro	up A	: Mix	ced E	Breifr	ie Su	ırnar	nes,	Mark	(ers	38-67	7, Pa	rt 3									
Modal Haplotypes																															H
Super W Atlantic	SWAMH	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
Northwest Irish	NWIMH	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
	Dorsey																														
9469	RWD	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	20	12	12	11	13	11	11	12	12
	Golden																														
35946	JJG	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	20	14	12	11	13	11	11	12	12
Line Smr-A2a	McGovern																														H
117924	WRMcG	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
38409	SEMcG	11	9	15	16	8	10	10	8	10	10	12	22	23	16	10	12	12	17	8	12	25	20	13	12	11	13	11	11	12	12
30369	RAMcG	11	9	15	16	8	10	10	8	10	10	12	22	23	16	10	12	12	17	8	12	25	20	13	12	11	13	11	11	12	12
	McMullin																														H
N25846	AGMcM	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	25	21	13	12	11	13	11	11	12	13
Line Rgl-A2a	Reilly																														H
43746	NAR	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	15	8	12	25	20	13	12	11	13	11	11	12	12
125067	RJR	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	14	8	12	25	20	13	12	11	13	11	11	12	12
70393	RER	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	15	8	12	25	20	13	12	11	13	11	11	12	12
	Reilly																														
Line Modal	Rgl-A2aMH	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	15	8	12	25	20	13	12	11	13	11	11	12	12
Line Tgr-A1a	McTiernan																														H
21151	LVMcT	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
31885	JWMcT	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	16	8	12	26	20	13	12	11	13	12	11	12	12

Chart 29 Group A All Lineages, Part 3 Results, Markers 38-67

There is now sufficient data to construct 67-marker line modals for Donohoe Lines Dnc-A1b and Dnc-A1c, and for Reilly Line Rgl-A2a. Two of these lines, Dnc-A1b and Rgl-A2a, each show a distinctive value, deviating from the NWIMH, for one of the markers, different in each case, in the Marker 38-67 interval.

Group A: General Points

There are 77 participants at the 37-marker level or higher in the BCP belonging to Group A, representing 71 independent lineages, 36 lines and 27 surnames. 31 of these, representing 24 independent lineages, 16 lines and 12 surnames, have received the full results for the 'Deep Clade' test. All belong to Haplogroup R1b-M222. It can be predicted from their profiles that participants who match at least seven of the first nine distinctive R1b-M222MH values belong to this haplogroup.

One surprise is the representation in this group of the Clancys. Unlike the other clans here, who have names associated with the Ui Briuin or the related Ui Fiachrach, the Clancys by tradition are the principal clan of the not-so-numerous Dartraige, descendants of Ith²³, and so of a completely different ancestry. They would be expected to be totally unrelated within the scope of this project to the other clans in this group. This remains a mystery.

Another surprise is that the O'Rourkes are not represented here other than by a lone member of the 12 of the name participating in the BCP at the 37-marker or higher level. They were the medieval kings of all Breifne for centuries and by tradition belong to the Ui Briuin by descent. See Group B.

An impression of the network of weak (and a few moderate) links connecting members of different clusters and subgroups in Group A is conveyed by Chart 2. At this point all of the R1b-M222 participants at the 37-marker or higher level have at least one link with another, although in two or three cases it is only a single link at the weakest level allowed here (50 generations). As this web is generated by estimates based on a 99% probability of a common male-line ancestor within 50 generations for the pairs being compared, there is a suggestion that the common male-line ancestor for everyone in Group A (i.e., all the participants in the BCP who belong to Haplogroup R1b-M222) existed not too long before the period about 50 generations ago. 50 generations would probably take us back to sometime in the sixth century. This would indicate that the M222 mutation is a relatively youthful SNP which arose about that time, and that a man of about that time, or a few closely related men not much later, who carried the mutation moved into the Breifne region. This would be demonstrated if an array of haplotypes closely resembling the NWIMH, but negative for M222, were discovered. Other possible explanations also exist, of course. M222 may in fact be a more ancient mutation but the other representation of it has died out or has not yet been sampled or identified.

According to the traditional accounts, the bulk of the surnames represented in this group correspond with the names of clans descended from King Brion of Connacht, half-brother of High King Niall of the Nine Hostages. Brion and Niall

(as well as Fiachra, traditional ancestor of the Ui Fiachrach) were sons of High King Eochu Mugmedon, who himself was of the royal lineage of the Connachta, descendants of Conn of the Hundred Battles. The McEvoy thesis project² and the survey done by Wilson¹⁵ have shown that many Ui Neill clans, traditionally descended from the above Niall, also belong to Haplogroup R1b-M222. High King Eochu Mugmedon is said to have reigned from 358 to 365²⁴, so the data so far gathered could be accounted for if he carried the M222 mutation and that mutation originated in his immediate paternal ancestors. If a number of clans traditionally descending from other lineages are found who also belong to Haplogroup R1b-M222, such as perhaps the Clancys, then that would suggest that the mutation is significantly older.