#### Subgroup B2: O'Rourke Clusters

Subgroups B2 & B3 from the last report have been consolidated and renamed as Subgroup B2 because of similarities between O'Rourke haplotypes and the haplotypes of some participants of other surnames that have become evident in the interim.

Subgroup B2: O'Rourke Clusters (O'RC) is a group of four clusters of 46 individuals: 15 O'Rourkes/Roarks, 19 McTiernans (McTiernan, McTernan, McTurnan), 10 Reynolds, one Smith and one Boylan. Of these, those in the BCP include ten O'Rourkes, 14 McTiernans, six Reynolds, the Smith and the Boylan. Of the others, four Roarks are from the Roark Surname Project<sup>25</sup>, five McTiernans and one O'Rourke are from the McTiernan Surname Project<sup>26</sup>, and four Reynolds are from the Reynolds Surname Project<sup>27</sup>, as is indicated on their respective coding charts. Sixteen of the McTiernans and one of the O'Rourkes have tested only to the 25-marker level and are included here mainly for what they contribute to clarifying the line origins and the initial part of the haplotype patterns. They are not included in the linkage (FTDNATiP) calculations. The augmentations from other projects also are included to clarify haplotype patterns and line origins, are also are not included in linkage calculations since FTDNA does not provide a way to apply the FTDNATiP calculator to pairs who are not in the same project if they are not a match within the FTDNA definition of a match.

Charts 35, 36 and 37 below show the names and origins of the members of Subgroup B2.

			<b>Breifne Clans Project</b>	Family F	Residential ID			Far	nily Origins in li	reland	
			Subgroup B2:	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County
McT		BCP	O'Rourke Clusters		/County						
Code	Kit	Code	O'Rourke-McTiernan1 Cluster								
			O'Rourke Line Rdr-B2a								
	121173	G-0'R	George O'Rourke	St. Petersburg	Russia	1760	Dromahaire	~950	Drumlease	Drumahaire	Leitrim
	113220	MPO'R	Michael Patrick O'Rourke								
	N36071	PJO'R1	Peter Joseph O'Rourke	Oswego	New York	≤1854	unknown	≤1813	unknown	unknown	Leitrim
	130290	HTO'R	Hugh Thomas O'Rourke	Liskellew	Leitrim	~1890	Liscuillew	~1890	Inishmagrath	Drumahaire	Leitrim
			McTiernan Line Tgr-B2a								
T (+1)	9498	G-McT3	Gene McTiernan	not given	not given		unknown	≤1817	unknown	unknown	Leitrim
T (+1)	640	T-McT	Tom McTernan	Curry	Leitrim	≤1804	Curry	≤1804	Killarga	Drumahaire	Leitrim
T	673	M-McT1	Mark McTernan	Leonagh1	Leitrim	~1790	Leonagh1	~1790	Killarga	Drumahaire	Leitrim
T	1029	R-McT	Rory MacTiernan	Mountallen	Roscommon	≤1760	Mountallen	≤1760	Kilronan	Boyle	Roscommon
T	3436	M-McT2	Michael McTiernan (CN)	not given	not given		unknown	≤1844	unknown	unknown	unknown
T	3713	M-McT3	Martin McTiernan	Leonagh2	Leitrim	≤1830	Leonagh2	≤1830	Killarga	Drumahaire	Leitrim
T	17363	TMMcT	Thomas Michael McTernan	Killinagh	Cavan	≤1838	Killinagh	≤1838	Templeport	Tullyhaw	Cavan
	49265	J-McTx	John McTernan (ST)	not given	not given		unknown		unknown	unknown	unknown
	106135	T-McTx	Tony McTiernan	Tullynacross	Leitrim	≤1821	Tullynacross	≤1821	Killarga	Drumahaire	Leitrim
	121178	MJMcT	Martin Joseph McTiernan	Tullynacross	Leitrim	≤1820	Tullynacross	≤1820	Killarga	Drumahaire	Leitrim
T (+1)	646	J-McT2	Jim McTiernan (CA)	Derryvalanagher	Leitrim	≤1822	Derryvalanagher	~1800	Inishmagrath	Drumahaire	Leitrim
Tc	31886	CLMcT	Chris Lee McTurnan	not given	not given		unknown	~1850	unknown	unknown	unknown
T (+2)	5450	D-McT	Douglas McTiernan (CN)	not given	not given		unknown	≤1826	unknown	unknown	unknown
	49264	D-McTx	David McTiernan (CN)	not given	not given		unknown	~1810	unknown	unknown	unknown
	85140	M-McTx	Michael McTiernan (NJ)	not given	not given		unknown	≤1897	unknown	unknown	Scotland
	26554	L-McTx	Larry McTernan	Dromahaire	Leitrim	≤1899	Dromahaire	≤1899	Drumlease	Drumahaire	Leitrim
T (+1)	674	MPMcT	Michael Patrick McTiernan	Sheskin	Leitrim	≤1708	Sheskin	≤1708	Killarga	Drumahaire	Leitrim
Та	639	S-McT1	Scott McTiernan (AU)	Derrinvoher	Leitrim	≤1782	Derrinvoher	≤1782	Inishmagrath	Drumahaire	Leitrim

## Chart 35 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan1 Cluster Names & Origins

		Breifne Clans Project	Family F	Residential ID			Farr	nily Origins in li	reland	
		Subgroup B2:	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County
	BCP	O'Rourke Clusters		/County						
Kit	Code	O'Rourke-Reynolds1 Cluster								
		O'Rourke Line Rdr-B2b								
73522	JFO'R	James Francis O'Rourke	Drumhallagh	Cavan	≤1876	Drumhallagh	≤1876	Larah	Tullygarvey	Cavan
N30440	MDO'R	Michael D. O'Rourke	St. Louis	Missouri	?	unknown	<1810	unknown	unknown	Cork or
										Leitrim
68210	RTR	Robert Terry Rork	Howard Co.	Nebraska	1879	unknown	~1824	unknown	unknown	unknown
N42482	Rdr1	Roark	not given	not given		not given		not given	not given	not given
		Reynolds Line Rgn-B2a								
39183	JJR	John Joseph Reynolds	Drumboy	Leitrim	~1790	Drumboy	~1790	Mohill	Mohill	Leitrim
N2316	SHPR	Steven Huntley Patrick	Montreal	Quebec	1870	unknown	1802-	unknown	unknown	Sligo (or
		Reynolds					12			Leitrim)
126010	dT-R2	dThomas2 Reynolds	not given	Kentucky	≤1838	unknown	~1762	unknown	unknown	unknown
20051	dT-R1	dThomas1 Reynolds	New York	New York	~1836	unknown	≤1836	unknown	unknown	unknown
N22305	dG-R	dGeorge Reynolds	not given	not given		unknown	1796	unknown	unknown	unknown
67988	dPHR	dPatrick Henry Reynolds	not given	not given		not given		not given	not given	not given
		O'Boylan								
78810	C-0'B	Ciaran O'Boylan	Clerran	Monaghan	<1816	Clerran	<1816	Clontibret	Cremorne	Monaghan

Chart 36 Subgroup B2 O'Rourke Clusters: O'Rourke-Reynolds1 Cluster Names & Origins

		Breifne Clans Project									
		Subgroup B2:	Family	Residential ID			Far	nily Origins in Ir	reland		
		O'Rourke Clusters	Address	State/Prov.	From	Townland	Year	Civil Parish	Barony	County	
	BCP	O'Rourke-McTiernan2 Cluster		/County							
Kit	Code	O'Rourke-Reynolds2 Cluster									
		O'Rourke Line Rdr-B2c									
67651	WRR	William Roger Roark	unknown	Virginia	~1740	unknown		unknown	unknown	unknown	
67652	Roark	dCharles Roark	unknown	Virginia	~1750	unknown		unknown	unknown	unknown	
67653	Roark	dTimothy O'Roark	Bucks Co.	Pennsylvania	1745	unknown		unknown	unknown	unknown	
133112	Roark	Roark	not given	not given		unknown		unknown	unknown	unknown	
133193	RPR	Ryan Patrick Roark	Harlan Co.	Kentucky	<1900	unknown		unknown	unknown	unknown	
		McTiernan Line Tar-B2b									
635	J-McT1	John McTernan	Fenagh	Leitrim	≤1865	Fenagh	≤1865	Killasnet	Rosclogher	Leitrim	
		Smith									
63408	KES	Kenneth Edward Smith	White Plains	Alabama	≤185-	unknown		unknown	unknown	unknown	
		<b>O'Rourke</b> Line Rdr-B2d									
00084	M-O'R	Michael O'Rourke	not given	not given		not given		not given	not given	not given	
130280		Thomas Oliver O'Rourke	Mullaghhaun		<1856	Mullaghbaun	<1856	Inishmaarath	Drumahaira	Loitrim	
2099	P-0'R	Philip O'Rourke	Mullaghbauh	Leiuiiii	1000	Dromahaire	~950	Drumlease	Drumahaire	Leitrim	
		<b>D</b> euralda Line Den D2h									
	Van	Keynolas Line Rgn-B20		\ farala la	4700		4700				
63332	VCR	Victor Corey Reynolds	Craig ( <botetourt) co.<="" td=""><td>virginia</td><td>1780</td><td>unknown</td><td>&lt;1730</td><td>UNKNOWN</td><td>UNKNOWN</td><td>unknown</td><td></td></botetourt)>	virginia	1780	unknown	<1730	UNKNOWN	UNKNOWN	unknown	
57753	GWR	Gary William Reynolds	Craig	Virginia	1786	unknown	<1730	unknown	unknown	unknown	
54000		dllau Daunalda		Tannaaaaa	>1020	unlunguur	<1020	un lun nuur	un lun nuur	unknows	
51238	al-K	Cilley Reynolds		Coordic	<1000	unknown	>1030				
111592	RMR	Robert Morris Reynolds	Union Co.	Georgia	\$1830	unknown	<1800	unknown	unknown	unknown	

### Chart 37 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan2,Reynolds2 Clusters Names & Origins

The coding for the members of Subgroup B2 are shown in Charts 38, 39 and 40 below.

				Breifne Clans Project				L	ine	IDs				н	#	
				Subgroup B2:		S	F	S	G	S	L	F	Μ	а	Μ	
				O'Rourke Clusters		u	a	u	r	u	i	а	е	р	а	
				O'Rourke–McTiernan1 Cluster		r	m	r	0	b	n	m	m	I	r	
						n	i	С	u	g	е	T	b	0	k	
						а	T	0	р	r		T	е	g	е	
	Ysearch		BCP		МсТ	m	У	d		0		У	r	r	r	
Database	Code	Kit	Code		Code	е		е		u				р	S	
							sr			р		In				
				O'Rourke Line Rdr-B2a												
BCP	none	121173	G-O'R	George O'Rourke		1	7	Rdr	В	2	а	2	1	R1b-M269*	37	
BCP	none	113220	MPO'R	Michael Patrick O'Rourke		1	9	Rdr	В	2	а	3	1	R1b-M269*	67	
BCP	YPSA3	N36071	PJO'R1	Peter Joseph O'Rourke		1	3	Rdr	В	2	а	1	1	R1b-P312*	37	
BCP	none	130290	HTO'R	Hugh Thomas O'Rourke		1	11	Rdr	В	2	а	4	1	R1b-M269*	37	
				McTiernan Line Rgn-B2a												
BCP		9498	GMcT3	Gene McTiernan	T (+1)	2		Tgr	В	2	а			R1b-M269*	25	
BCP		640	T-McT	Tom McTernan	T (+1)	2		Tgr	В	2	а			R1b-M269*	25	
BCP		673	M-McT1	Mark McTernan	Т	2		Tgr	В	2	а			R1b-M269*	25	
BCP		1029	R-McT	Rory MacTiernan	Т	2		Tgr	В	2	а			R1b-M269*	25	
BCP		3436	M-McT2	Michael McTernan (CN)	Т	2		Tgr	В	2	а			R1b-M269*	25	
BCP		3713	M-McT3	Martin McTiernan	Т	2		Tgr	В	2	а			R1b-M269*	25	
BCP		17363	TMMcT	Thomas Michael McTernan	Т	2		Tgr	В	2	а			R1b-M269*	25	
McTSP		49265	J-McTx	John McTernan (ST)	Т	2		Tgr	В	2	а				25	
McTSP		106135	T-McTx	Tony McTiernan	Т	2		Tgr	В	2	а				25	
BCP	none	121178	MJMcT	Martin Joseph McTiernan		2	3	Tgr	В	2	а	2	1	R1b-M269*	37	
BCP		646	J-McT2	Jim McTiernan (CA)	T (+1)	2		Tgr	В	2	а			R1b-M269*	25	
BCP		31886	CLMcT	Chris Lee McTurnan	Тс	2		Tgr	В	2	а			R1b-M269*	25	
BCP		5450	D-McT	Douglas McTiernan (CN)	T (+2)	2		Tgr	В	2	а			R1b-M269*	25	
McTSP		49264	D-McTx	David McTiernan (CN)	T (+1)	2		Tgr	В	2	а				25	
McTSP		85140	M-McTx	Michael McTiernan (NJ)	T (+2)	2		Tgr	В	2	а				25	
McTSP		26554	L-McTx	Larry McTernan	T (+2)	2		Tgr	В	2	а				25	
BCP	HWFA2	674	MPMcT	Michael Patrick McTiernan	T (+1)	2	2	Tgr	В	2	а	1	1	R1b-M269*	37	
BCP		639	S-McT1	Scott McTiernan (AU)	Та	2		Tgr	В	2	a			R1b-M269*	25	

## Chart 38 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan1 Cluster Coding

				Breifne Clans Project			L	ine l	Ds				Н	#	
				Subgroup B2:	S	F	S	G	S	L	F	Μ	а	Μ	
				O'Rourke Clusters	u	a	u	r	u	i	a	е	р	a	
				O'Rourke–Reynolds1 Cluster	r	m	r	0	b	n	m	m	I	r	
					n	i	C	u	g	е	T	b	0	k	
					а	T	0	р	r		I	е	g	е	
	Ysearch		BCP		m	у	d		0		у	r	r	r	
Database	Code	Kit	Code		е		е		u				р	S	
						sr			р		In				
				O'Rourke Line Rdr-B2b											
BCP	none	73522	JFO'R	James Francis O'Rourke	1	5	Rdr	В	2	b	3	1	R1b-M269*	37	
BCP	none	N30440	MDO'R	Michael D. O'Rourke	1	1	Rdr	В	2	b	1	1	R1b-M269*	37	
BCP	UVPYN	68210	RTR	Robert Terry Rork	1	2	Rdr	В	2	b	2	1	R1b-M269*	37	
Roark SP		N42482	Roark	Roark	1		Rdr	В	2	b			R1b1	37	
				Reynolds Line Rgn-B2a	-										
BCP	8NN49	39183	JJR	John Joseph Reynolds	3	2	Rgn	В	2	а	2	1	R1b-M269*	37	-
BCP	K3YN2	N2316	SHPR	Stephen Huntley Reynolds	3	1	Rgn	в	2	a	1	1	R1b-M269*	37	
RgnSP		126010	dT-R2	dThomas2 Reynolds	3	-	Rgn	В	2	a			R1b1b2	37	
RgnSP		20051	dT-R1	dThomas1 Reynolds	3		Rgn	В	2	а			R1b1b2	37	
RgnSP		N22305	dG-R	dGeorge Reynolds	3		Rgn	В	2	a			R1b1b2	37	-
BCP	none	67988	JWR	James William Reynolds	3	6	Rgn	В	2	a	3	1	R1b-P312*	67	
				<b>Deuler</b> Line Del D2a	_										_
			0.015		_										
BCP	yes	78819	C-0'B	Ciaran Boylan	S		Bgl	X	1				R1b-U106*	67	

Chart 39 Subgroup B2 O'Rourke Clusters: O'Rourke-Reynolds1 Cluster Coding

				Breifne Clans Project			L	ine l	Ds				н	#	
				Subgroup B2:	S	F	S	G	S	L	F	Μ	а	М	
				O'Rourke Clusters	u	а	u	r	u	i	а	е	р	а	
				O'Rourke–McTiernan2 Cluster	r	m	r	0	b	n	m	m	I	r	
				O'Rourke–Reynolds2 Cluster	n	i	С	u	g	е	T	b	0	k	
					а	I.	0	р	r		Т	е	g	е	
	Ysearch		BCP		m	У	d		0		У	r	r	r	
Database	Code	Kit	Code		е		е		u				р	S	
						sr			р		In				
				O'Rourke Line Rdr-B2c											
BCP	none	67651	WRR	William Roger Roark	1	4	Rdr	В	2	С	1	1	R1b-M269*	37	
Roark SP		67652	Roark	dCharles Roark	1		Rdr	В	2	С			R1b1b2	37	
Roark SP		67653	Roark	dTimothy O'Roark	1		Rdr	В	2	С			R1b1b2	37	
Roark SP		133112	Roark	Roark	1		Rdr	В	2	С			R1b1b2	37	
BCP	none	133193	RPR	Ryan Patrick Roark	1	8	Rdr	В	2	С	2	1	R1b-L21*	67	
				McTiernan Line Tgr-B2b											
BCP	ZGR9J	635	J-McT1	John McTernan	2	1	Tgr	В	2	b	1	1	R1b-M269*	67	
				Smith											
BCP	DA35R	63408	KES	Kenneth Edward Smith	S		Gbn	Y	1				R1b-U106*	37	
				O'Rourke Line Rdr-B2d											
BCP	9CS9T	90084	M-O'R	Michael O'Rourke	1	6	Rdr	В	2	d	1	1	R1b-M269*	37	
BCP	none	130289	TOO'R	Thomas Oliver O'Rourke	1	10	Rdr	В	2	d	2	1	R1b-M269*	37	
McTSP		2099	P-O'R	Philip O'Rourke	1		Rdr	В	2	d				25	
				Reynolds Line Rgn-B2b											
BCP	none	63332	VCR	Victor Corey Reynolds	3	4	Rgn	В	2	b	2	2	R1b-M269*	37	
BCP	none	57753	GWR	Gary William Reynolds	3	4	Rgn	В	2	b	2	1	R1b-M269*	37	
RgnSP		51238	dl-R	dlley Reynolds	3		Rgn	В	2	b			R1b1b2	37	
BCP	none	111592	RMR	Robert Morris Reynolds	3	3	Rgn	В	2	b	1	1	R1b-M269*	37	

## Chart 40 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan2,Reynolds2 Cluster Coding

The results for the members of Subgroup B2 are shown in Charts 41, 42, 43

# and 44 below.

Project		Mar	ker (	Code	)				
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   |  |  |
|-------------|--|---|--|--|---|---|---|--|--
--|---|---|---|---|--|---
--|--|---|---|---|--|---|---|---
---|---|---
--
--|--|---|---|---|---|--|--|--|
| B2:         | 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  | 4  |
| sters       | 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  | 3  |
| Is1 Cluster | 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  |
|             |  |   | or   |  | a   | b   |   |  |  | i   
  |   | ii  |   | а   | b  |   | | | | |
  |  |   |   |   | a  | b   | C   | d   |  
  | A   |   |  
   |  |   |   |   |   |  
   |  |  |
|             |  |   | 3  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   | Ι   | Ι  
   |  |   |   |   | a   | b  
   |  |  | | | | | | | | |
| BCP         |  |   | 9  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  | H   | Ι   | Т  
   |  |   |   |   |   | | | | | |
   |  |  |
| Code        |  |   | 4  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  | 4   | a   | b  
   |  |   |   |   |   | | | | | |
   |  |  |
|             |  |   |  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   | ٧   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   |  |  |
| 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   | | | | | | | | |
|             |  |   |  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   |  |  |
| SWAMH       | 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  | 36  | 38   
   | 12   | 12   | | | | | | | | |
| O'Rourke    |  |   |  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   | -  | +  |
| JFO'R       | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 18  | 9   | 9  | 11  | 11  
  | 25   | 15  | 19  | 30  | 17   | 17  | 17  | 17  | 11   
  | 11  | 19  | 23   
   | 15   | 15  | 18  | 18  | 38  | 38   
   | 13   | 12   |
| MDO'R       | 13   | 24  | 15   | 11   | 11  | 14  | 12  | 12   | 13   | 14  
  | 13  | 30  | 19  | 9   | 10   | 11  | 11  
  | 25   | 16  | 19  | 30  | 15   | 15  | 18  | 18  | 11   
  | 9   | 19  | 23   
   | 17   | 15  | 17  | 17  | 38  | 38   
   | 12   | 11   |
| RTR         | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 14  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 18  | 17  | 39  | 40   
   | 13   | 12   |
| Rdr1        | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 18  | 9   | 10   | 11  | 11  
  | 25   | 14  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 17  | 17  | 37  | 39   
   | 13   | 12   | | | | | | | | |
| O'Rourke    |  |   |  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   | Γ  | Γ  |
| Rdr-B2bMH   | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 18  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 17  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 18  | 17  | 38  | 38   
   | 13   | 12   | | | | | | | | |
| Reynolds    |  |   |  |  | -   |   |   |  |  |   
  |   | -   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   |  |  |
| JJR         | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 19  | 17  | 38  | 39   
   | 13   | 12   |
| SHPR        | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 19  | 17  | 38  | 39   
   | 13   | 12   |
| dT-R1       | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 19  | 17  | 38  | 39   
   | 13   | 12   |
| dT-R2       | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 18  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 18   | 15  | 18  | 17  | 38  | 39   
   | 13   | 12   |
| dG-R        | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 19  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 10  | 19  | 23   
   | 17   | 15  | 20  | 17  | 38  | 39   
   | 13   | 13   |
| JWR         | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 19  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 19  | 17  | 37  | 39   
   | 13   | 12   | | | | | | | | |
| Reynolds    |  |   |  |  |   |   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   |  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   |  |  |
| Rgn-B2aMH   | 13   | 24  | 14   | 11   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 30  | 14   | 14  | 16  | 17  | 11   
  | 11  | 19  | 23   
   | 17   | 15  | 19  | 17  | 38  | 39   
   | 13   | 12   | | | | | | | | |
| O'Boylan    |  |   |  |  | -   | -   |   |  |  |   
  |   |   |   |   |  |   |   
  |  |   |   |   | _  |   |   |   |  
  |   |   |  
   |  |   |   |   |   |  
   | ┝  | +  |
| C-0'B       | 13   | 24  | 14   | 12   | 11  | 14  | 12  | 12   | 13   | 13  
  | 13  | 29  | 17  | 9   | 10   | 11  | 11  
  | 25   | 15  | 19  | 29  | 15   | 15  | 17  | 17  | 10   
  | 11  | 19  | 23   
   | 17   | 15  | 17  | 17  | 39  | 40   
   | 12   | 12   |
|             | Project<br>B2:<br>sters<br>sters<br>s1 Cluster<br>BCP<br>Code<br>FTDNA<br>SWAMH<br>SWAMH<br>O'Rourke<br>JF0'R<br>MDO'R<br>RTR<br>MDO'R<br>RTR<br>Rdr1<br>O'Rourke<br>Rdr1<br>O'Rourke<br>Rdr-B2bMH<br>Reynolds<br>JJR<br>Reynolds<br>JJR<br>Reynolds<br>SHPR<br>dT-R1<br>dT-R2<br>dG-R<br>JWR<br>Reynolds<br>O'Boylan<br>C-O'B | Project       3         B2:       3         sters       9         Is1 Cluster       3         BCP | Project         Mar           B2:         3         3           sters         9         9           is1 Cluster         3         0           Is1 Cluster         3         0           BCP             Code             FTDNA         1         2           SWAMH         13         24           O'Rourke             JFO'R         13         24           MDO'R         13         24           MDO'R         13         24           MDO'R         13         24           MDO'R         13         24           Rtr.         13         24           MDO'R         13         24           MDO'R         13         24           Rtr.         13         24           Rtr.         13         24           MDO'R         13         24           G'Rourke             JJJR         13         24           dT-R1         13         24           dG-R         13         24      < | Image: Second | Image: black in the sector of the s | Image: big term         Image: big term         Image: big term           B2:         3         3         1         3         3           sters         9         9         9         9         8           stors         3         0         1         5           sters         3         0         1         5           stors         3         0         1         5           Gene         3         0         1         5           Gene         1         2         3         4         5           Gode         1         2         3         4         5           FTDNA         1         2         3         4         5           SWAMH         13         24         14         11         11           MDO'R         13         24         14         11         11           Rtr         13         24         14         11         11           Rdr-B2bMH         13         24         14         11         11           Rdr-B2bMH         13         24         14         11         11           GReynolds         - | Project         Marker Code           B2:         3         3         1         3         3           sters         9         9         9         9         8         8           is1 Cluster         3         0         1         5         5           a         b         a         b         a         b           BCP         9         9         4         0         a         b           Code         4         4         0         a         b           FTDNA         1         2         3         4         5         6           SWAMH         13         24         14         11         11         14           MDO'R         13         24         14         11         11         14           MDO'R         13         24         14         11         11         14           Rdr-B2bMH         13         24         14         11         11         14           MDO'R         13         24         14         11         11         14           Rdr-B2bMH         13         24         14         11         11 | Project         Marker Cvc         Na           B2:         3         3         1         3         3         4           sters         9         9         9         9         8         8         2           is1 Cluster         3         0         1         5         5         6           Code         2         3         1         3         2         1         5         5         6           Code         2         3         0         7         a         b         7         3         5         6           Code         2         4         1         1         5         6         7           SWAMH         13         24         14         11         11         14         12           O'Rourke         7 | Project         Imarker Code         Imarker Code | Project         Imarker Code         Imarker Code | Project         Marker Cole         I <thi< th=""> <thi< th="">         I</thi<></thi<> | Project       Marker Code       v       v       v       v       v       v         B2:       3       3       1       3       3       4       3       4       3       9         sters       9       9       9       8       8       2       8       3       8       9         is1 Cluster       3       0       v       1       5       5       6       8       9       9       2         Code       3       0       v       1       5       5       6       8       9       9       2         Code       0 | Project         Warker Code         I         S <ths< th="">         S         <ths< th=""></ths<></ths<> | Project         Warker Code         v | Project         Image: Ima | Project         Imate is a strate strate is a strate is a | Project         Marker Cuole         v           I | Project         Marker Cvole         v           SCO         V | Project         Marker Code         N | Project         Marker Code         N | Project         Warker Code         v | Project         Name         Name | Project         Marker Code         V     < | Project         Marker Code         - | Project         Marker Code         - | Project         Marker Cure         V     < | Project         Marker Code         V     < | Project         Marker Code         N | Project         M         M         I </td <td>Project         Material columne         Material columne</td> <td>Project         Marker Code         V     &lt;</td> <td>Project         Marker Code         V     &lt;</td> <td>Project         Marker Core         v     &lt;</td> <td>Project         Marker Vert         Variability         &lt;</td> <td>Project         Marker Corr         V        V</td> <td>Project         Name         C         S</td> <td>Project         Marker Code         No         No</td> | Project         Material columne         Material columne | Project         Marker Code         V     < | Project         Marker Code         V     < | Project         Marker Core         v     < | Project         Marker Vert         Variability         < | Project         Marker Corr         V        V | Project         Name         C         S | Project         Marker Code         No         No |

Chart 41 Subgroup B2 O'Rourke Clusters: O'Rourke-Reynolds1 Cluster Results

Kit/ID	BCP Code		Suba	roun	B2-	0'R	Jurke	Chu	etare	: 0'F	2011	ko-M	cTio	man	1						J														-	_	_	
Neib	FTDNA	1	2	3	4	5	6	7	8	, O 1 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
Modal Haplotype		ŀ	-	•		•	•		•	•																						•	-		-	-		•
Super W Atlantic	SWAMH	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	36	38	12	12
																																			-			
Line Rdr-B2a	O'Rourke																																					
121173	G-O'R	13	24	14	11	11	14	12	12	12	13	13	30	16	9	9	11	11	25	15	19	29	15	15	17	17	10	11	19	23	15	15	20	17	37	41	12	12
113220	MPO'R	13	24	14	11	11	14	12	12	12	13	13	30	16	9	9	11	11	25	15	19	29	15	15	17	17	10	11	19	23	15	15	20	18	37	40	12	12
N36071	PJO'R1	13	25	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17	10	10	19	23	15	15	19	17	39	39	12	12
130290	HTO'R	13	24	14	11	11	14	12	12	11	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17	10	11	19	23	15	15	18	17	37	40	12	12
	O'Rourke																																					
Line Modal	Rdr-B2aMH	13	24	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17	10	11	19	23	15	15	20	17	37	40	12	12
																																			_			
Line Tgr-B2a	Mcliernan	10	0.1					10	40	10	40	40							0.5	4.5	10		4.5			47									_			
9498	GMcT3	10	24	14	11	11	14	12	12	12	13	13	30	1/	9	9	11	11	25	15	19	29	15	15	17	17												
640	T-McT	13	24	14	11	11	14	12	12	12	13	13	30	1/	9	9	11	11	24	15	19	29	15	15	17	1/									_			
673	M-McT1	13	24	14	11	11	14	12	12	12	13	13	30	1/	9	9	11	11	25	15	19	29	15	15	1/	1/									_			
1029	R-MCT	13	24	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17		_						_		_		
3436	M-McT2	13	24	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17								_		_		
3713	M-McT3	13	24	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17				_						_		
1/363	IMMCI	13	24 04	14	11	11	14	1Z	12	1Z	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17										_		
49265	J-MCIX	13	24	14	11	11	14	1Z	12	1Z	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17				_						_		
106135	I-MCIX	13	24	14	11	11	14	1Z	12	1Z	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17	40	44	40	00	40	45	40	47	07	44	40	40
121178	MJMCI	13	Z4	14	11	11	14	1Z	12	1Z	13	13	30	17	9	9	11	11	25	15	19	29	15	15	17	17	10	T	19	23	10	15	19	17	31	41	1Z	12
646	J-MC12	13	24	14	11	11	14	12	12	12	13	13	30	17	9	10	11	11	20	10	19	29	10	10	17	17	_		_		_			_		_		
31886	C-MC12	13	24 24	14	11	11	14	12	12	11	13	13	30	17	9	10	11	11	20	10	19	30	10	10	10	17				_						_		
5450	D-MCT	13	24	14	11	11	14	12	12	12	10	10	30	17	9	9	11	11	20	10	19	30	10	10	10	17	_	_	_	_	_		_	_		_		
49264	D-MCTX	13	24	14	10	11	14	12	12	12	13	13	30	17	9	9	11	11	20	10	19	30	10	10	17	17	_		_		_			_		_		
85140	M-MCIX	13	24	14	10	11	14	12	12	12	13	13	30	17	9	9	11	11	20	10	19	30	10	10	17	17	_	_	_	-	_		_	_	-	_		
26554	L-MCIX	13	24	14	11	11	14	12	12	12	13	14	30	17	9	9	11	11	20	15	19	29	10	10	10	17	40	44	40	00	40	45	40	40	07	40	10	40
6/4		13	24	14	11	11	14	12	12	13	13	13	30	17	9	9	11	11	20	10	19	29	10	10	11	11	10	11	19	23	10	10	19	0	31	40	IZ	12
639	S-MCI1	13	24	14	П	п	14	IZ	13	IZ	13	13	30	17	9	9	п	П	20	10	19	29	10	10	10	01	_			_						_		
Line Medal	wic i iernan	10	24	11	44	44	11	40	40	40	10	10	20	47	0	0	44	44	05	45	10	20	45	45	47	47									_	_		
Line Modal	Ig-B2aMH	13	24	14	11	11	14	12	12	12	13	13	30	17	9	9	11	11	25	15	19	29	15	15	11	17				-				_	_	_		

## Chart 42 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan1 Cluster Results

			Mar	ker (	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	G	Y	Y	4	6	5	5	C	C	4	4
Subgroup	B2:	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	3
O'Rourke Clu	isters	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
O'Rourke-McTiern	an2 Cluster			or		a	b				i		ii		a	b							a	b	C	d		A										
				3																									I.	Ι					a	b		
	BCP			9																								H	I.	Ι								
Kit/ID	Code			4																								4	a	b								
																					V																	
	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
Modal Haplotype																																						
Super W Atlantic	SWAMH	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	36	38	12	12
Line Rdr-B2c	Roark																												-	-		-	-	-				-
67651	WRR	13	24	14	11	11	14	12	12	13	13	13	30	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	36	37	12	2 12
67652	Roark	13	24	14	11	11	14	12	12	13	13	13	30	19	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	36	37	12	! 12
67653	Roark	13	24	14	11	11	14	12	12	13	14	13	18	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	36	37	12	! 12
133112	Roark	13	24	14	11	11	14	12	12	13	13	13	30	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	36	37	12	! 12
133193	RPR	13	24	14	11	11	14	12	12	13	13	13	30	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	36	37	12	! 12
	Roark																																					+
Line Modal	Rdr-B2cMH	13	24	14	11	11	14	12	12	13	13	13	30	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	16	15	18	17	37	37	12	. 12
	McTiernan																											_	_	-		-				-	-	_
635	J-McT1	13	24	14	11	11	14	12	12	12	13	13	30	18	9	9	11	11	25	15	19	27	15	15	16	17	10	11	19	23	17	15	18	17	36	37	12	! 12
	Smith																																			_	_	
63409	KES	12	2/	1/	11	11	1/	12	12	12	12	12	20	18	٥	0	11	11	25	15	10	30	15	15	17	17	11	12	10	23	16	16	18	17	37	37	10	) 12
UJ4UU	NEO	10	24	14			14	12	12	10	IJ	13	23	10	9	9	11		20	J	J	50	IJ	IJ	11	11	11	12	IJ	20	10	10	10	17	JI	JI	12	. 12
	O'Rourke																																	-		$\vdash$	+	
Modal of Modals	Rdr-B2MH	13	24	14	11	11	14	12	12	13	13	13	30	18	9	9	11	11	25	15	19	29	15	15	17	17	10	11	19	23	16	15	18	17	37	38	12	! 12

# Chart 43 Subgroup B2 O'Rourke Clusters: O'Rourke-McTiernan2 Cluster Results

							-	-								-	-							-	-				-			-		-	-		-	-
Breifne Clans	Project		Mar	ker (	Code																																	
Subgroup	B2:	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	4
O'Rourke Clu	isters	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	3
O'Rourke-Reynold	ls2 Cluster	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
				or		a	b				i		ii		a	b							a	b	C	d		A										
				3																									I	T					a	b		
	BCP			9																								H	Ι	Ι								
Kit/ID	Code			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
Modal Haplotype																																						
Super W Atlantic	SWAMH	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	36	38	12	12
Line Rdr-B2d	O'Rourke																																					
90084	M-O'R	13	25	15	10	11	14	12	12	11	13	14	30	17	9	10	11	11	25	15	19	30	15	15	16	17	10	11	19	23	17	14	19	18	36	37	12	12
130289	T00'R	13	25	15	10	11	14	12	12	11	13	14	29	17	9	10	11	11	25	15	19	30	15	15	16	17	10	11	19	23	17	14	19	18	37	37	12	12
2099	P-O'RTO'R	13	25	15	11	11	14	12	12	11	13	15	29	17	9	10	11	11	25	15	19	30	15	15	16	17												
Pan-R2h	Revnolds																																					
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#### Chart 44 Subgroup B2 O'Rourke Clusters: O'Rourke-Reynolds2 Cluster Results

There are eleven O'Rourkes in the BCP in this Subgroup B2, who have been augmented by three others identified from Ysearch and the Roark Surname Project, each of whom appear to fit one or more of the O'Rourkes in the BCP. One additional O'Rourke in the BCP belongs to Haplogroup R1b-M222 and is included in Subgroup A2 rather than here. None of the O'Rourkes/Roarks in this

subgroup, whether from the BCP or from the Roark Surname Project, has tested positive for M222.

The haplotypes of each of these O'Rourkes differs from the SWAMH values at quite a few markers, from seven to 14. Some markers show values that deviate consistently from the SWAMH values in the profiles represented here. The columns for these anomalous values have been colored raspberry/dark pink to indicate a consistency of 80% within a lineage having representatives of at least four independent lines. The boxes showing any SWAMH values within these columns are colored sky blue.

The patterns of their deviation from the SWAMH values indicate that they fall into at least four lines, as shown in Charts 41, 42, 43 and 44 above. These four O'Rourke lines all seem quite different from one another. Some scattered similarities in deviations from the SWAMH are present, however, suggesting remote relationships, so a modal of O'Rourke modals was constructed.

This modal of modals, shown at the bottom of Chart 43, has values at five markers that deviate from the SWAMH markers. A Ysearch search was run with this 37-marker modal of modals, allowing a genetic distance of six, the maximum possible. No firm conclusions can be drawn from the results. There were 61 hits, which included seven modals. Of the rest, there were five McClains deriving from Scotland/USA, five Duggers/Duggars from UK/USA, four Hulls from unknown origins, two Tates from Ireland/USA, two Hendersons from Scotland and two Smiths from Ireland/England. The singletons included ten of unknown origins, ten from the USA, four from Ireland, four from England/UK, three from Scotland, two from Portugal and one from Wales. The modals included one surname modal, which was a Reynolds 37-marker modal with two deviations from the SWAMH, as well as a 67-marker L21\* modal and various other R1b modals, all with no deviations from the SWAMH.

Line Rdr-B2a displays a close relationship with a large group of McTiernans, Line Tgr-B2a, most of whom have tested only to the 25-marker level. Consistent deviant values at two markers are pointed out by columns colored raspberry/dark pink, and the patterns of the two McTiernans who have tested to the 37-marker level suggest that there may be consistent deviations at two additional markers in the 26–37 marker interval. It is known that there were two or more McTiernan subclans of the O'Rourkes, and these McTiernans may well be one of those. David Tiernan has pointed out that they could represent the McTiernans of Corry mentioned in medieval genealogies as a branch of the O'Rourkes.<sup>28</sup>

Line Rdr-B2b appears to share a pattern of deviations with a line of Reynolds, here designated Rgn–B2a. This Reynolds line is made up of three BCP participants plus three profiles drawn from the Reynolds Surname Project. These Reynolds differ consistently from SWAMH values at nine markers, shown by the columns colored raspberry, and somewhat less consistently at a tenth

marker.

Line Rdr-B2c consists of four Roark participants who all trace their origins to the 18<sup>th</sup> and 19<sup>th</sup>-century South of the US. Their haplotype profiles show a close resemblance so they could all be male-line descendants of a single 18<sup>th</sup>-century immigrant to to the South. A lone McTiernan also shows a close resemblance to these Roarks in his profile, and is nearly identical in the 38-67-marker interval to the one Roark who has tested to the 67-marker level, sharing three of his four deviations from the SWAMH with that Roark. This suggests that most of the mutations from the SWAMH occurred in Ireland before emigration, and that there might have been yet another independent branching of an O'Rourke line into a McTiernan line analogous to the possibility mentioned above for Rdr-B2a and Tgr-B2a. Tighearnán was a highly popular forename in medieval Ireland, unlike Ruarc (<Ruadhraic<Hrothrekr; "ua" is pronounced "o" in Gaelic), so there was a relatively high frequency of clan branches that came to be named McTiernan. There may only be two lineages represented here (one for each surname), however, so the evidence is too slight to draw any firm conclusions.

Line Rdr-B2d also appears to share, if only slightly, a pattern of deviations with a line of Reynolds, a different line of Reynolds than above and here called Rgn-B2b. There are only two O'Rourke participants who are only a genetic distance (GD) of two from one another, and the four Reynolds representatives fall into two pairs, one identical at the 37-marker level and one a GD = 2 apart, with the two pairs farther apart from each other. Because the four Reynolds are likely to represent only two family lines, the columns showing values consistently deviating from the SWAMH values at the 80% or higher level have not been colored raspberry. These Reynolds appear to differ consistently from the SWAMH at five of the first 37 markers, three of which are among the nine showing consistent differences from the SWAMH in the other Reynolds cluster, but with the same value at only one of those three.

The single Smith and the single Boylan mentioned in the last report as showing some vague resemblance to the O'Rourkes in their haplotype profiles are now seen to split. The Smith haplotype shows some similarity to the Rdr-B2c line, while the Boylan does not, slightly resembling instead Line Rdr-B2b. Both the Smith and the Boylan have tested positive for U106. Three O'Rourkes/Roarks here have had a Deep Clade test. One in Line Rdr-B2a tested positive for P312 and negative for U106. Two others in Line Rdr-B2b were tested positive for M269 before the tests for the downstream U106/P312 SNPs were available, so could be U106+. The possibility that the O'Rourke/Roark lines in this subgroup do not all belong to the same haplogroup cannot be excluded.

In Charts 45 and 46, shown below, the links among the members of Subgroup B2 found by applying the FTDNATiP calculator are displayed.

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Chart 45 Subgroup B2 O'Rourke Clusters Generations to MRCA at 99% Probability

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Chart 46 Subgroup B2 O'Rourke Clusters, McTiernan as O'Rourke Generations to MRCA at 99% Probability Where the boxes are colored purplish pink and the number "11" is shown, that is meant to indicate that the haplotype profiles of the two participants being compared are identical at the 37-marker level.

The general impression of the O'Rourke clusters here is of four unconnected islands. There is a complete absence of an interconnecting network of weak to moderate links, such as is seen for Group A.

O'Rourke–McTiernan1 is the most developed cluster. The Boylan is shown here because of the very weak link found with one of the O'Rourkes, his only link in the BCP within the bounds adopted for this report. He apparently belongs to a different haplogroup than that of these O'Rourkes, however, so this is likely to be a case of random convergent mutation.

Chart 46 shows the linkages that result from treating the McTiernans in the O'Rourke–McTiernan1 cluster as though they were O'Rourkes. The family of one of the O'Rourkes in this cluster has evidence that they belong to the Cloncorick branch of the O'Rourkes. The McTiernans of Corry, referred to above, are mentioned by the 17<sup>th</sup>-century master genealogist Cucogry O'Clery.<sup>29</sup> O'Clery gives Tighernán na Corradh Ua Ruairc (Tiernan of the Choir O'Rourke) as their eponymous ancestor. If the McTiernans in this cluster are the McTiernans of Corry, and If the O'Rourkes of this cluster are the O'Rourkes of Cloncorick, then their common male line ancestor, according to the medieval genealogies, would be Ualgharg mac Néill mic Airt Oirdnidhe Ua Ruairc, king of Breifne. King Ualgharg (pronounced something like "Olaric") died in 1085 as an old man, having been born just about a thousand years ago. At 27.5 years per generation this would have been about 36 generations ago, roughly squaring with what is seen in Chart 46. It should be kept in mind that if a paper trail were developed so that the number of generations of no common male-line ancestor had to be increased, then plugging that increased number into the FTDNATiP calculator would result in weakened links. There is also the possibility that some lines of descent will, by random chance, remain closer to the ancestral haplotype than expected, and so a representative will appear to have a more recent common male-line ancestor with a representative of another line of the same descent than in fact he does. But matters as they stand, regarding the DNA evidence, support the possibility that these may be the O'Rourkes of Cloncorick and the McTiernans of Corry.

As noted in the last report, evidence is accumulating the O'Rourkes do not belong as expected, on the basis of data on other Breifne clans and on Ui Neill clans and in accordance with the traditional genealogies, to Haplogroup R1b-M222. The further evidence presented here suggests that there are at least two, and possibly as many as four, O'Rourke clans within the Breifne area who are unrelated within the timeframe of surnames.