

Hemingway DNA Test Results

Updated 23 Jan 2009

The Hemingway DNA Test Project began back in April 2004 when I had my own DNA analysis undertaken in readiness for the public launch which took place on the first day of the Hemingway Gathering 2004 held at the Holiday Inn, Brighthouse on 4 – 6 June 2004. We now have twenty-seven sets of results (three more than in the last update). We also have at least three more showing intentions of joining in the next few weeks.

Table 1 : DNA Sequence Results

Name	19	385a	385b	388	389i	389ii	390	391	392	393	426	437	438	439	441	442	444	445	446	447	448	449	452	454	455	456	458	459a	459b	460	461	462	463	464a	464b	464c	464d	635	GATAA10	GATAH4.1	GGAAT1B07	YCAIIa	YCAIIb
Bill	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	18	12	12	13	27	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	17	17	23	15	22	10	19	23
Gregory	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	18	13	12	13	27	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	17	17	23	15	22	10	19	23
Douglas	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	17	12	12	13	27	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	17	17	23	15	22	10	19	23
Geo Art	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	17	12	12	13	27	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	17	17	23	15	22	10	19	23
DougG	14	13	14	12	13	30	24	12	13	14	12	14	12	12	14	17	12	12	13	26	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	16	17	23	15	22	10	19	23
Pam	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	17	12	12	13	26	19	29	30	11	11	16	17	9	10	10	12	11	24	15	16	17	0	23	15	22	10	19	23
Sal	14	13	14	12	13	30	24	11	13	14	12	14	12	12	14	17	12	12	13	26	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	16	17	23	15	22	10	19	23
Dave	14	13	14	13	13	30	24	11	13	14	12	14	12	12	14	17	12	12	13	26	19	29	30	11	11	16	17	9	10	10	12	11	24	15	15	16	17	23	15	22	10	19	23
George	14	13	14	12	13	30	24	10	13	14	12	14	12	12	14	17	12	12	13	26	19	28	30	11	11	16	17	9	10	10	12	11	24	15	15	17	17	23	15	22	10	19	23
Richard	14	13	14	12	14	31	24	11	13	14	12	14	12	12	14	17	12	12	13	27	19	29	30	11	11	16	17	9	10	9	12	11	24	15	15	17	17	23	15	21	10	19	23
James	14	13	14	12	13	30	25	10	13	14	12	14	12	12	14	17	12	12	13	26	19	29	30	11	11	15	17	9	10	10	12	11	24	15	15	16	17	24	15	22	10	19	23
Geoffrey	14	13	14	12	13	30	24	11	13	14	12	14	12	9	14	17	12	12	13	26	19	28	30	11	11	16	17	9	10	10	12	11	23	15	15	17	17	23	15	22	10	19	23
JohnF	14	11	13	12	14	30	23	10	13	13	12	15	12	11	15	17	12	12	13	26	19	30	30	11	11	15	16	9	10	10	13	11	24	15	15	17	17	23	15	22	10	19	23
Tom	14	11	13	12	14	30	23	10	13	13	12	15	12	11	15	17	12	12	13	25	19	30	30	11	11	15	16	9	10	10	13	11	24	15	15	17	17	23	15	22	10	19	23
Mary	14	11	13	12	14	30	23	10	13	13	12	15	12	11	15	16	12	12	13	26	19	30	30	11	11	15	16	9	10	10	13	11	24	15	15	17	17	23	15	22	10	19	23
Theodore	14	11	13	12	14	30	23	10	13	13	12	15	12	11	15	16	12	12	13	26	19	30	30	11	11	15	16	9	10	10	13	11	24	15	15	17	17	23	15	22	10	19	23
Don	14	11	13	12	14	30	23	10	13	13	12	15	12	11	15	17	12	12	13	26	19	29	30	11	11	15	16	9	10	10	14	11	25	15	15	17	17	23	15	22	10	19	23
Bruce	14	11	13	12	14	29	23	10	13	13	12	15	12	11	15	17	12	12	13	26	19	30	30	11	11	15	16	9	9	10	13	11	24	15	15	17	18	23	15	22	10	19	23
Maurice	15	13	16	12	12	28	24	10	11	12	11	16	9	13	15	16	12	11	12	28	19	29	31	11	11	13	16	8	9	11	10	11	22	13	15	15	16	21	14	21	11	19	20
TJH	15	13	16	12	12	28	24	10	11	12	11	16	9	13	15	16	12	11	12	28	19	29	31	11	11	13	16	8	9	11	10	11	22	13	15	15	16	21	14	21	11	19	20
Joseph	14	11	14	12	13	29	24	11	13	13	13	15	12	11	14	17	12	12	13	25	19	29	30	11	11	18	18	9	9	11	12	11	24	15	16	16	16	23	16	22	10	19	23
Paul	13	11	14	12	13	29	25	10	12	13	12	14	11	12	14	17	12	12	12	25	19	28	30	11	11	15	18	8	10	11	12	11	24	13	15	16	17	23	15	21	10	19	23
Bryan	14	14	14	14	12	28	23	10	11	13	11	16	10	11	17	17	13	11	13	23	20	28	31	11	8	14	15	8	9	10	12	13	22	12	13	15	16	22	15	21	11	19	21
Ron	14	14	14	14	12	28	23	10	11	13	11	16	10	12	16	17	13	11	13	23	20	28	32	11	8	14	14	8	9	10	12	13	21	12	14	15	16	21	15	21	11	19	21
JohnA	14	13	14	16	12	28	22	10	11	14	11	16	10	11	17	17	14	11	13	22	20	28	31	11	8	14	15	8	9	10	12	12	21	13	15	15	15	22	15	21	11	19	21
PaulV	14	13	14	14	12	28	23	10	11	13	11	16	10	11	17	17	14	11	13	22	20	29	31	11	8	14	15	7	9	10	12	12	21	12	12	14	15	22	15	21	11	19	19
Nicholas	13	15	18	12	13	30	24	10	11	13	11	14	10	11	15	16	13	10	12	26	20	31	31	12	11	17	15	9	9	9	12	12	18	14	16	16	17	23	15	22	11	19	21

The new members are Sal, Bruce and Bryan. I have also added the result from Tom (TJH) my son who was the second person to be tested, but whose results I have never added until now. Sal is Sally Gouldthorpe who many of you will know from the Mailing List and the Hemingway Gatherings. Of course Sal has not taken the test herself as but asked her father to take the test on her behalf. Sal's has very robustly researched her line and is very confident that she can trace the male line back to Michael Hemingway baptised 18 June 1702 son of Michael and Mary Hemingway (Tompson). These results place Sal very firmly with Pam Ibbotson which is a great result for the DNA programme as the paper research has always led everyone to believe that Pam and Sal, along with Dave and others that they did share a common ancestor.

Bruce had determined that he was part of the Ralph line (Ralph, Joshua, Joshua jnr, Isaac, Isaac jnr, Needham, Henry Lewis, Bruce Walter, James Bruce & Bruce Walter). It therefore came as no surprise that the results very firmly place Bruce in the Ralph Group although with three mutations from John F. Three mutations is maximum genetic distance that the scientific community will accept as evidence of shared recent common ancestor. Because of the number of mutations across this group over ten generations, I am minded to suggest that whilst I still think that they do all share a recent common ancestor, perhaps for some it is further back than Ralph Hemenway of the 1600s. Could it be a cousin of his and the paper trail that everyone is following is not quite robust as people previously imagined? However, it is not impossible for all six to share Ralph as the recent common ancestor and that it is everyone's makers that have mutated so far and we have not yet found an individual who has a lower mutation from Ralph as yet. More test results could help clear this up.

Bryan is from Brampton in Cumberland (England) but his line can be traced back to the Leeds area in the 1750s. His earliest know (robustly) traced ancestor is to Charles Hemingway who married Mary Camm in 1817 at Leeds St Peter. It is likely that Charles is the son of John Hemingway and Sarah Rhodes who had married in Leeds on 4 March 1775. Sadly Bryan's results do not position him in either of the currently established groups but instead identify him as one of our "Islanders".

The table on the previous page showed the results for the individual participants for the DNA sequences. However, as this is a little difficult to visualise in terms of groupings and closeness, the table below (Table 2 : Genetic Distance Table) describes the genetic distance or the mutations between all members. In this table it is far easier to see the relative groupings.

Table 2 : Genetic Distance Table

	Bill	Gregory	Douglas	Geo Art	DougG	Pam	Sal	Dave	George	Richard	James	Geoffrey	JohnF	Tom	Mary	Theodore	Don	Bruce	Maurice	TJH	Joseph	Paul	Bryan	Ron	JohnA	PaulV	Nicholas
Bill	-	1	1	1	4	3	3	4	4	4	7	7	17	18	18	18	18	20	43	43	19	21	49	51	51	50	45
Gregory	1	-	2	2	5	4	4	5	5	5	8	8	18	19	19	19	19	21	44	44	20	22	48	50	50	49	44
Douglas	1	2	-	0	3	2	2	3	3	3	6	6	16	17	17	17	17	19	42	42	18	20	48	50	50	49	44
Geo Art	1	2	0	-	3	2	2	3	3	3	6	6	16	17	17	17	17	19	42	42	18	20	48	50	50	49	44
DougG	4	5	3	3	-	1	1	2	4	6	5	7	17	18	18	18	18	19	43	43	17	19	47	49	50	49	43
Pam	4	5	3	3	2	-	1	2	4	6	5	7	17	18	18	18	18	19	43	43	16	18	46	48	50	48	42
Sal	3	4	2	2	1	0	-	1	3	5	4	6	16	17	17	17	17	18	42	42	16	18	46	48	49	48	42
Dave	4	5	3	3	2	1	1	-	4	6	5	7	17	18	18	18	18	19	43	43	17	19	45	47	48	47	43
George	4	5	3	3	4	3	3	4	-	6	5	5	15	16	16	16	16	18	43	43	19	17	45	47	47	48	43
Richard	4	5	3	3	6	5	5	6	6	-	9	9	17	18	18	18	18	20	43	43	21	21	49	51	51	50	45
James	7	8	6	6	5	4	4	5	5	9	-	10	16	17	17	17	17	18	42	42	20	16	46	48	49	48	44
Geoffrey	7	8	6	6	7	6	6	7	5	9	10	-	18	19	19	19	19	21	46	46	20	22	46	50	48	49	44
JohnF	17	18	16	16	17	16	16	17	15	17	16	18	-	1	1	1	3	3	44	44	20	22	44	48	48	45	46
Tom	18	19	17	17	18	17	17	18	16	18	17	19	1	-	2	2	4	4	45	45	19	21	43	47	47	44	47
Mary	18	19	17	17	18	17	17	18	16	18	17	19	1	2	-	0	4	4	43	43	21	23	45	49	49	46	45
Theodore	18	19	17	17	18	17	17	18	16	18	17	19	1	2	0	-	4	4	43	43	21	23	45	49	49	46	45
Don	18	19	17	17	18	17	17	18	16	18	17	19	3	4	4	4	-	6	45	45	21	23	45	49	49	46	49
Bruce	20	21	19	19	19	18	18	19	18	20	18	21	3	4	4	4	6	-	44	44	20	24	44	48	48	45	46
Maurice	43	44	42	42	43	42	42	43	43	43	42	46	44	45	43	43	45	44	-	0	47	39	37	38	42	40	45
TJH	43	44	42	42	43	42	42	43	43	43	42	46	44	45	43	43	45	44	0	-	47	39	37	38	42	40	45
Joseph	19	20	18	18	17	15	16	17	19	21	20	20	20	19	21	21	21	20	47	47	-	19	48	52	54	50	48
Paul	21	22	20	20	19	17	18	19	17	21	16	22	22	21	23	23	23	24	39	39	19	-	42	45	48	47	47
Bryan	49	48	48	48	47	45	46	45	45	49	46	46	44	43	45	45	45	44	37	37	48	42	-	7	11	10	43
Ron	51	50	50	50	49	47	48	47	47	51	48	50	48	47	49	49	49	48	38	38	52	45	7	-	16	13	44
JohnA	51	50	50	50	50	49	49	48	47	51	49	48	48	47	49	49	49	48	42	42	54	48	11	16	-	10	49
PaulV	50	49	49	49	49	47	48	47	48	50	48	49	45	44	46	46	46	45	40	40	50	47	10	13	10	-	45
Nicholas	45	44	44	44	43	41	42	43	43	45	44	44	46	47	45	45	49	46	45	45	48	47	43	44	49	45	-

To help understand the results so far, in Table 3 below, I have shown a basic summary of the extent of the “paper trail” that has been researched to date using conventional means and proven to date for each of the participants on the programme.

Table 3 : Researched Ancestry

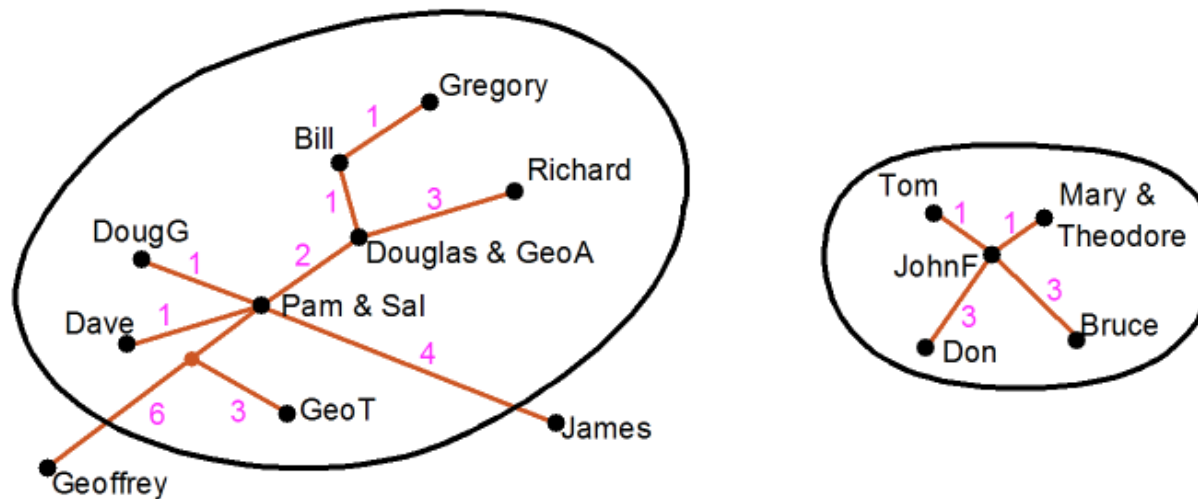
Participant	Earliest Researched Ancestor
Bill	John William Hemingway, born England circa 1857 married Mary Elizabeth Stevenson
Gregory	William Hemingway, bapt Wortley 4 Jan 1829, married Margaret Isles 10 Feb 1849 at Leeds
Douglas	John W Hemingway married Mary Jane Mass, born circ 1854 in New York son of Michael and Susan
DougG	Michael Hemingway, 18 June 1702 at Birstall, married Mary Thomson 1728 at Mirfield
Pamela	Thomas Hemingway married Ellen Pollard 27 Jan 1713 at Bradford. Both died 1755 in Cawthorne
Sal	Michael Hemingway bapt 18 June 1702 Birstall son of Michael Hemingway and Mary Tompson
GeoA	Thomas Hemingway (1803-1855) married Mary Stansfield (1803 -)
Dave	Michael Hemingway, 18 June 1702 at Birstall, married Mary Thomson 1728 at Mirfield
GeoT	Daniel son of Daniel and Mary Hemingway, born Abingdon Parish, Gloucester County, Virginia, 1688
Richard	Richard Hemingway marr Elizabeth Radcliffe, 15 Oct 1812, Ashton under Lyne, Lancashire
JamesR	Thomas Hemingway (1803 – 1870) married Eliza Elizabeth Burgess, Co Kildare, Ireland
Geoffrey	John Hemingway 1782 – 1845, London
JohnF	Ralph of Roxbury, Massachusetts
Bruce	Ralph of Roxbury, Massachusetts
Tom	Ralph of Roxbury, Massachusetts
Don	Ralph of Roxbury, Massachusetts
Theodore	Jedediah Hemingway born circa 1783, USA
MaryB	Jedediah Hemingway born circa 1783, USA
Joseph	Richard Hemingway (1685 – 1766) (prob non-paternity event)
Ron	John Hemingway (1762 - 1868) married Mary Wilby 10 Oct 1784 Rothwell Holy Trinity
Maurice	Michael Hemingway marr Mary Bailey at Snaith 1757
TJH	Michael Hemingway marr Mary Bailey at Snaith 1757
PaulR	Thomas Hemingway married Mary Robinson at Mirfield 28 Nov 1714
Nicholas	Hannah Hemingway, Snaith 1795 (non-paternity event)
PaulV	Anthony Hemingre, born circa 1607 of Heage, Duffield, Derbyshire
JohnA	Squire Hemingway married Mary Blackburn 7 April 1762, St Peter's, Birstall
Bryan	Charles Hemingway married Mary Camm 1817 Leeds St Peter

If all this has left you confused, I am hopeful that this diagram will bring it all back into focus. This schematic diagram tries to show the concept of genetic distance in a way that is more easily understood

A phylogenetic chart describing the relationship between the participants in the Hemingway DNA Project. The diagram shows the number of Y-Chromosome mutations between results. It is clear that so far, we have identified two distinct groups :

1. The larger "West Riding" group
2. The "Ralph Hemenway" group

Additionally, we have eight participants that currently share no group and are described as DNA Islands. However, there is the possibility that PaulV, Ron, Bryan and JohnA may be grouped in time if "bridges" can be built similar to those formed in the "West Riding Group".



Participants that are presently "DNA Islands"

Joseph	PaulR	Ron
Maurice	PaulV	Bryan
TJH	JohnA	

Hemingway Phylogenetic Chart
Jan 2009