

NGFS DNA Project

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How the original participants were identified:

- Listed all male members of the NGFS with the Grigsby surname of the target family lines
 - Included male descendants of members from those target lines
 - Data was based on the membership list provided in July 2007 and the NGFS database
- Identified the pedigrees of the members listed
- Identified the status (active, inactive, deceased) and color-coded for easy reference
- Identified three primary test individuals and two alternates for each of the target family lines
 - Tried to identify didn't sub-groups to provide a broad baseline
- Priority was given in the following order:
 - Member whose wife has been pushing for this
 - Members or their descendants who have been actively participating in the NGFS
 - Members of current active status
 - Members of current inactive status
- 21 individuals in the initial group resulted in a cost of \$5,691 for the society

What does this do for me as a member?

- Provides a baseline of data for the major family lines under Immigrant John Grigsby
 - Results are still being analyzed. Some interesting things have been seen.
- Utilizes 38% of the active NGFS male members with the Grigsby surname from those target family lines
 - Three additional people have paid for some testing also. Would like every male with the Grigsby surname.
- Verifies assumptions and conjecture about Samuel Grigsby's connection to James' line
 - Still being investigated. Some mixed results seen.
- Verifies assumptions and conjecture about Aaron Grigsby's connection to William's line
 - Still being investigated. Some mixed results seen.
- Provides an opportunity to connect other lines to Immigrant John's
 - Some may even be from John's ancestors in England.
- Will assist in targeting future research
 - **This is a definite outcome of the current test results.**

Baseline Testing – phase 1

- John #4 Descendants (3)
- Charles #6 Descendants (3)
- James #3 Descendants (3)
- William #5 Descendants (3)
- Aaron #657 Descendants (3)
- Samuel #1389 Descendants (3)
- Benjamin #4696 Descendants (3)

Additional participants:

- one additional descendant for James #3 at 67 markers (still waiting for results)
- one descendant of Thomas #3298 at 12 markers (still waiting for results)
- one non-Grigsby surname descendant of Charles #6 at 12 markers

The non-Grigsby surname participant in the Y-DNA tests do not necessarily add value for the project. However, it is a way for members to get participate in the tests at the project cost instead of the higher individual costs. Anyone who wishes to do this is welcome to.

Testing of brothers or father / sons should statistically return similar results.

Results – John #4 Descendants

- 3 descendants of three of John's grandsons (through son Moses) were tested.
 - One each from:
 - Henry #395
 - William #2231
 - Moses #846
 - Two of the three were determined not to be related to any other test subject; not even to each other.
 - Causes of this could include:
 - Separate Grigsby lines that have been mistakenly included
 - Adoptions of non-Grigsby surname children
 - This provides an area of emphasis to try to identify where both breaks are located.
 - Additional testing of members should be utilized.
 - One of the three is found to be connected as would be expected with participants of the other lines.
 - Connections seen with some participants of Samuel, Benjamin, and Aaron

531	578	395S1a	395S1b	590	537	641	472	406S1	511	425	413a	413b	557	594	436	490	534	450	444	481	520	446	617	568	487	572	640	492	565	Genetic Distance
11	9	15	16	8	11	10	8	11	10	12	23	23	18	10	12	12	16	8	12	22	20	12	12	11	13	11	11	13	12	5
11	9	15	16	8	11	10	8	10	10	12	23	23	18	10	12	12	15	8	12	22	20	12	12	11	13	11	11	13	12	3
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	20	12	12	11	13	11	11	13	12	2
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	20	12	12	11	13	11	11	13	12	2
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	20	12	12	11	13	11	11	13	12	4
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	21	12	12	11	13	11	11	13	12	2
11	9	15	16	8	11	10	8	10	10	12	21	23	17	10	12	12	15	8	12	22	20	13	12	11	13	11	11	13	12	3
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	20	13	12	11	13	11	11	13	12	2
11	9	15	16	8	11	10	8	10	10	12	23	23	17	10	12	12	15	8	12	22	20	14	12	11	13	11	11	13	12	3

Results – Charles #6 Descendants

- 3 descendants of two of Charles' grandsons (through son John) were tested.
 - Two from James #143 and one from William #147:
 - All three participants are shown to be related as would be expected to each other
 - Relationships seen with the other siblings' descendants as would be expected.

Results – James #3 Descendants

- 3 descendants of two of James' sons were tested.
 - Two from Enoch #11 and one from Redmond #14
 - The fourth participant who funded his own testing is also descended from Redmond #14 (waiting for results)
 - Two of the three participants are shown to be related as would be expected to each other
 - The one from Redmond #14 is showing indications of being genetically closer to the descendant of John #4 than expected.
 - Another indication that further testing of John #4's line should be conducted. May be from multiple lines converging.
 - Indicates genetic relationships with descendants of other siblings along with descendants currently identified with Aaron, Benjamin and Samuel

Results – William #5 Descendants

- 3 descendants of Williams' son Richard #26 were tested.
 - Two of the three participants are shown to be related as would be expected to each other
 - The other participant is related, but results are not as close as expected.
 - Indicates genetic relationships with descendants of other siblings as expected.

Results – Aaron #657 Descendants

- 3 descendants of Aaron were tested.
 - Two of the three participants are shown to be related as would be expected to each other
 - The other participant is related, but results seem to indicate that he may be related from the Grigsby line prior to Immigrant John.
 - Based on the first two participants identified above, Aaron was not a grandson of William #5 as theoretically surmised.
 - Indications may be a grandson of either James #3 or John #4.
 - Showing close relationships with descendants of Samuel #1389.

Results – Samuel #1389 Descendants

- 3 descendants of Samuel were tested.
 - Two descended from son Aaron #2292 and one descended from son Toliver #2674.
 - Two of the three participants indicate relationships closer to descendants of Aaron #657 than with each other.
 - The third shows the same type of relationship with descendants of Aaron #657, but also with descendants of James #3 and John #4.
 - Could be evidence that Samuel was related to Aaron and were descendants of either James #3 or John #4.

Results – Benjamin #4696 Descendants

- 3 descendants of Benjamin were tested.
 - Similar results to the two from Samuel #1389
 - All three shows a close relationship of descendants from the same ancestor.
 - Further indications of relationships with James #3 and John #4.

Future Plans

- Concentrate on resolving parentage issues of Aaron #657, Samuel #1389, and Benjamin #4696 from either John #4 or James #3
 - Need to concentrate on source material such as wills and other vital records.
- Would like to test three additional descendants identified with John #4 to help verify break in line.
- Test Grigsby descendants living in Great Britain or identified as having descended from later immigrants from Great Britain.
 - This is to attempt a connection of the Immigrant John Grigsby line to the Great Britain line(s).
 - Test made up of 3-5 participants.
- Total additional cost of testing - \$2,300 (6 to 8 participants) approved by the Board of Directors.