

Dillman/Stillman DNA Match

DFA Mega Reunion August 2004

Title Slide

Slide 2 – Agenda

- Will talk about the DNA Test results that have been received to date, including the ones that came in last Friday. Also will discuss upcoming tests and what they can tell us.

DNA Test Results

Observations from Test Results

- These are things to keep in mind when looking over the next few slides
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37 Marker Test Results

- Looking at the Stillman Line in Green, we observe the following. The perfect match between Andrew and Frank indicate that they received the same 37 markers from their common ancestor, George Henry Stillman. Since two sons received the **same** 37 markers, it is logical to conclude that George Henry had the same 37 markers. (due to the low mutation rate of the markers)
- Effectively, we have a DNA profile of the Stillman line up to and including George Henry. However, we can't draw any conclusions for George Stillman Sr.
- The distance on this chart between generation 6 and 7 could be 1 generation or several generations
- Consider the possibility that it represents only 1 generation:
- (Keep in mind that the MRCA has a probability of 70% of being 7 generations versus 50% for 5 generations for perfect 37/37 matches.)

- For the gap to represent 1 generation, we have to be able to account for 2 mutations within the existing tree shown here.
- it is not very probable that two mutations would happen within 2 generations even on separate markers (the mutation rate is very very small). A more likely scenario is that one mutation occurred on the Stillman line (between generations 5 & 6 or 6 & 7) and one somewhere on the Dillman line.
- Hence, it is entirely **possible** that the gap between generations 6 and 7 could in fact be **1 generation**.

37 Marker Test Results - 2

- Here, we see the results of Donald Dillman's 37 marker test in relation to Earl's. The results indicated that there was a 36/37 match between the two individuals. However, since these two lines have one test result in at the 37 marker level, we can not yet draw any conclusions concerning their lines up to Georg Michael and Andrew Dillman when looking at the results in isolation.
- This means that the mutation could be at any point on the two lines, indicated by the purple arrows.

37 Marker Test Results - 3

- We also know that Donald Dillman was a 36/37 match with Andrew Stillman.
- On a previous slide, we saw that it was possible to account for the 2 mutations between the Stillman Line and Georg Michael Dillman's Line: 1 on the Stillman line and 1 on the Georg Michael line. These same mutations would also account for the 1 mutation each of those lines have with respect to the Andrew Dillman line.
- Specifically, if marker CDY-b were changed for the Stillman line, the DNA would be identical to that of the Andrew Dillman line. If marker 576 were changed on the Georg Michael line, the DNA for this line too would be identical to that of the Andrew Dillman line. Changing those two markers would also make the Stillman line

DNA identical to that of the Georg Michael Line. The two changes would account for the differences we have seen in the test results.

- We can draw two conclusions:
- 1) The Andrew Dillman DNA as evidenced by Donald Dillman's test results at the 37 marker level is very likely the "unmutated" DNA of the Common Ancestor; and
- 2) It is entirely **possible** that the generation 6 to 7 gap could in fact be **1 generation for all 3 lines, including the Stillman line**, i.e., the heads of these lines represent brothers.
- (If we don't believe this, then the next logical conclusion is that **NONE** of the "heads" of the 3 lines were brothers, including Georg Michael and Andrew. That is, if a 37/37 match is what is needed to convince and conclude that they were brothers then the 36/37 match between the lines the Stillman/Andrew Dillman line and the 36/37 match for the intra Dillman must point Andrew Dillman and Georg Michael as NOT being brothers.)

Test results: Summary

Next Tests

- Next Tests include the upgrading of the other 2 Dillman tests to 37 marker tests.
- The expectation is that Donald, Robert, and Phillip's 37 marker tests will be perfect matches with each other. Not a surprising result since they all descend from Andrew Dillman.

Next Tests - 2

- Another potential Candidate for DNA testing has come forward for the Georg Michael Line. This test will be important in determining where the mutation on marker 576 may have originated.

Next Tests: Conclusions

- To assist in clearing up the uncertainty of the location of the mutations, it is necessary to do the following:
- Recruit other participants from George Stillman's line to confirm his DNA profile.
- Recruit other participants from the Georg Michael line to confirm his DNA profile.

Probable Connection

Probable Connection

- Source of this information: www.84th.com which is a web publication of a Master's Thesis on the 84th Regiment. The author claims to have reviewed **every** physical document pertaining to the 84th Regiment in Archives and Libraries on both sides of the Atlantic. Part of this website is password protected and only viewable by subscribers.

Probable Connection

Probable Connection

- Just showing this once again with the Common Ancestor replaced by Hans
- The hypothesis is then that the George Stillman was the son of Hans Georg Dillman.

Probable Connection

- We need to look more closely at the possible connection between the Dillman's and the Stillman's.
- Two of the sons are often confused with others (and Anna Margaret as well)

Probable Connection

- Georg Adam is very clearly document as the son of Hans.

Probable Connection

- Endless confusion has resulted from the two Andrews
- So too has there been great confusion over the two Georges
- The earlier dates may have been an effort to fit him into the Revolutionary War time frame. For a period, Earl was inclined toward the 1745 date for exactly that reason. We knew George and Andrew were in the same RW regiment so it must be so.
- The bombshell was when it was discovered that George Dillman was captured by the British. All this is a result of our DNA project.

Probable Connection

- The 1762 birth date was an attempt to put dates around George Stillman. The assumption was that he had to have been at least 14 to have enlisted with the Army, even as a drummer boy.

Probable Connection

Stillman Descendants

- As a reference, note that Canada is to the North of the USA.
- Maybe point out a few locations, such as Toronto, Ottawa, Montreal, Vancouver

Stillman Descendants (cont')

- Point out Halifax. The 84th Regiment was a Fort Edward (present day Windsor) at the time of the mustering out.

Stillman Descendants – 2nd Gen

- Showing how the sons of George Stillman spread out to New Brunswick and the eventually to the State of Maine.

Stillman Descendants – 3rd Gen

- Showing where the grandsons of George Stillman resided. The migration continues.

Stillman Descendants – 3rd Gen

- Just showing the similar numbering convention for Andrew and Frank, in case there is interest

Stillman Research Efforts

Concluding Remarks