

## Chapter 43B

### Accounting for my DNA Match with Rose Hubbard Dennis

[25 October 2019]

#### ***Introduction***

In Chapter 43A, I described how Rose Hubbard (married name Dennis) and I share six sets of common ancestors. All of these common ancestors were from England, and their families immigrated to New England in the 1600's, at the time of the Puritan Great Migration. Our common ancestors are:

- Miles Oakley & Mary Browne
- William Miller and Patience Bacon
- Henry Gregory and Mary Abigail Goody
- Gerald Spencer and Alice Whitbread
- Francis Cooke and Hester Madieu
- Anthony Eames and Margery Pierce

Rose and I have an autosomal DNA match – according to Ancestry.com, our shared match is 12.7 cM. In this chapter, I will attempt to determine which, if any, of these ancestors are responsible for the DNA match that I have with Rose. I will be the first to admit that this is a foolish quest, since autosomal DNA matches are not likely to persist for the number of generations we have going back to these common ancestors, who lived in the 1600's.

#### ***The Basics from GEDmatch.com***

Rose has her DNA profile on the free GEDmatch.com website. In fact, she has several different profiles from the major DNA testing companies, including 23andme.com, FamilyTreeDNA.com, and Ancestry.com.

Here is the result of a one-to-one comparison of our DNA profiles:

### **GEDmatch<sup>®</sup> Autosomal One-to-one Comparison**

Comparing Kit A122463 (Burks Oakley II) and M085444 (\*ROSE HUBBARD DENNIS)

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	159,041,812	168,175,040	12.7	2,077

Largest segment = 12.7 cM

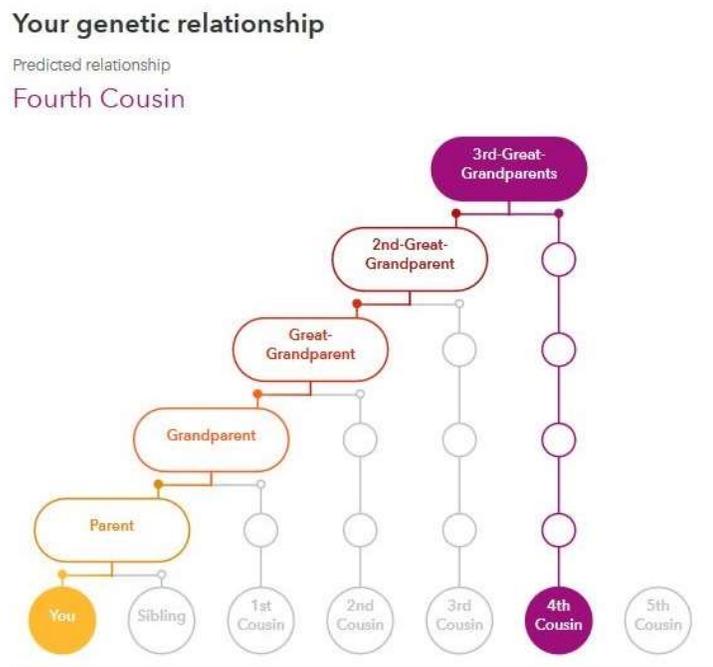
Total Half-Match segments (HIR) = 12.7 cM (0.355 Pct)

Estimated number of generations to MRCA = 5.1

1 shared segments found for this comparison.

Rose and I share 12.7 cM on Chromosome 5. Based on the size of this DNA match, the GEDmatch.com software predicts that our Most Recent Common Ancestor (MRCA) is 5.1 generations in the past.

This chart from 23andme.com shows that five generations in the past means that we would have 3<sup>rd</sup>-great grandparents in common:



This also means that Rose and I could be as close as fourth cousins. But from our six sets of common ancestors, Rose and I are anywhere from ninth-cousins once-removed to eleventh-cousins.

I next looked at my daughter Amy’s match with Rose.

## GEDmatch® Autosomal One-to-one Comparison

Comparing Kit A059368 (\*Amy.Oakley) and M085444 (\*ROSE HUBBARD DENNIS)

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	158,948,962	168,167,381	12.9	1,474

Largest segment = 12.9 cM

Total Half-Match segments (HIR) = 12.9 cM (0.359 Pct)

Estimated number of generations to MRCA = 5.1

1 shared segments found for this comparison.

The result of this comparison is somewhat surprising, since Amy’s DNA match with Rose on Chromosome 5 (12.9 cM) is actually slightly larger than my match with Rose (12.7 cM). Assuming that our matches with Rose really are the same size, then this segment has been passed from me to Amy essentially unchanged. So if it is being passed down without change, then maybe it really does go back farther in the past.

I asked a question to a Facebook group (“GEDmatch Genealogy and Ancestry”, which interestingly is administered by Rose Hubbard Dennis) about how my daughter could have a larger match with someone than I do, and one of the people who responded mentioned using the “Phasing” tool on GEDmatch.com.

What is that? The noted genetic genealogist Blaine T. Bettinger discussed the Phasing tool in a blog posting (edited slightly):

When a parent and a child both have their DNA profiles on GEDmatch.com, the Phasing tool can analyze the two DNA profiles and create a new profile that isolates the parent's contribution to the child's DNA. These phased kits are hypothesized to significantly reduce false segments. Specifically, since there is only a single copy of each chromosome in each phased kit (Mom's chromosome in the maternal kit and Dad's chromosome in the paternal kit), the matching algorithm cannot weave back and forth between mixed results to create a pseudosegment.<sup>1</sup>

So I phased Amy's DNA profile with my DNA profile, and created a new profile (kit) on GEDmatch.com. I then compared her new profile (and mine) with Rose:

## GEDmatch® Autosomal One-to-one Comparison

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Comparing Kit A122463 (Burks Oakley II) [Migration - F2 - A] and M085444 (\*ROSE HUBBARD DENNIS)

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	159,041,812	168,175,040	12.7	2,077

Largest segment = 12.7 cM

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Comparing Kit A059368P1 (\*Amy.Oakley) [GEDMatch Phased] and M085444 (\*ROSE HUBBARD DENNIS)

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	159,044,278	168,167,381	12.7	1,347

Largest segment = 12.7 cM

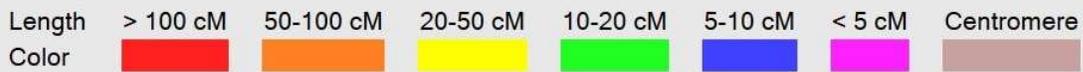
My matching segment starts at 159,041,812, while Amy's starts at 159,044,278. My matching segment ends at 168,175,040, while Amy's ends at 168,167,381. So this works – my segment is indeed larger than hers at both ends. Nothing at all fishy here – Amy's DNA match with Rose is NOT larger than mine. But nevertheless, Amy's match is barely smaller than mine.

But I digress.... I next looked at other members of Rose's family who have their DNA profiles on GEDmatch.com, and I learned that a number of them have this same matching segment of DNA on Chromosome 5.

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<sup>1</sup> <https://thegeneticgenealogist.com/2017/07/26/the-effect-of-phasing-on-reducing-false-distant-matches-or-phasing-a-parent-using-gedmatch/>

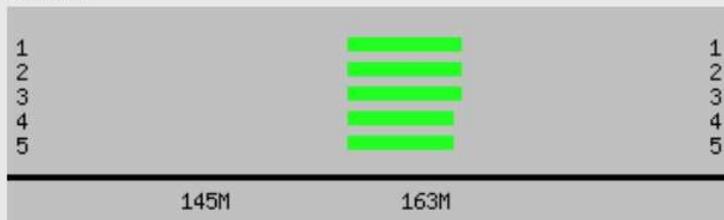
### 2-d Chromosome with Kit A122463 - Burks Oakley II.



Chr 5

Match ID	Name	Matching segments on Chromosome 5	Overlap with previous match
1	*ROSE DENNIS Sister DEH(T410618)	159041812 - 168175040 (12.725 cM)	root
2	*ROSE HUBBARD DENNIS(M085444)	159041812 - 168175040 (12.725 cM)	159041812 - 168175040
3	*ROSE DENNIS Sister DDH(T040364)	159062530 - 168175040 (12.675 cM)	159062530 - 168175040
4	*ROSE DENNIS Nephew DPH(T233565)	159062530 - 167553880 (11.423 cM)	159062530 - 167553880
5	*ROSE DENNIS BrotherCL(T201487)	159062530 - 167499832 (11.322 cM)	159062530 - 167499832

Chr 5

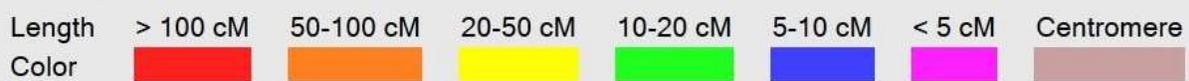


This chart shows how each of these individuals matches me (my DNA segment is not shown, but it can be inferred). I match with Rose, her sister DEH, her sister DDH, her nephew DPH, and her brother CL.

I finally looked at the rest of the people in the GEDmatch.com database who match both Rose and me on Chromosome 5 (with a threshold of 10 cM). These people and their matches are shown in the following screenshot:

### GEDmatch Selected Kits 2-d Chromosome Browser

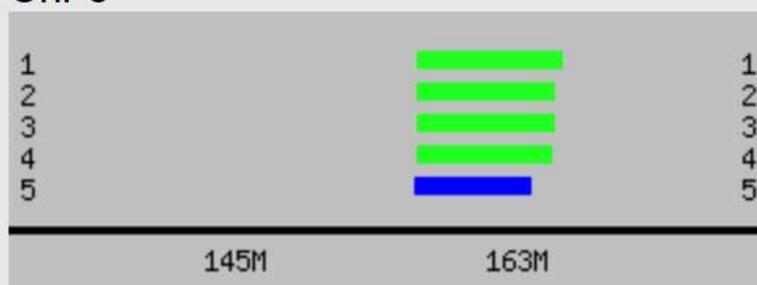
#### 2-d Chromosome with Kit A122463 - Burks Oakley II.



Chr 5

Match ID	Name	Matching segments on Chromosome 5	Overlap with previous match
1	*ROSE HUBBARD DENNIS(M085444)	159041812 - 168175040 (12.725 cM)	root
2	Ted Griffin(M020079)	158948962 - 167790204 (12.074 cM)	159041812 - 167790204
3	Adam Lynn Olsen(A845051)	159062530 - 167708905 (11.723 cM)	159062530 - 167708905
4	Will Hammond(M092853)	159044278 - 167485418 (11.322 cM)	159062530 - 167485418
5	*Willy56(A616342)	158865362 - 166304508 (9.316 cM)	159044278 - 166304508

Chr 5



Rose and I share this segment on Chromosome 5 with just four other people – Ted Griffin, Adam Lynn Olsen, Will Hammond, and \*Willy56. Presumably, all of

us share a common ancestor, which accounts for the shared segment of DNA we have in common.

I wanted to make sure that each of these individuals matched each other on Chromosome 5 in a one-to-one comparison, and they did. In doing these comparisons, I found that Adam Lynn Olsen (A845051) and Will Hammond (M092853) have a much larger DNA match with each other than Rose and I do:

## GEDmatch<sup>®</sup> Autosomal One-to-one Comparison

Comparing Kit A845051 (Adam Lynn Olsen) and M092853 (Will Hammond)

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	134,608,010	166,291,065	34.8	3,293

Their match on Chr. 5 is 34.8 cM, which is much larger than the match that Rose and I have (12.7 cM).

I next decided to see who in the GEDmatch.com database matched BOTH Adam and Will, and that turned out to be very revealing. Let me start with just a subset of the entire population in the database:

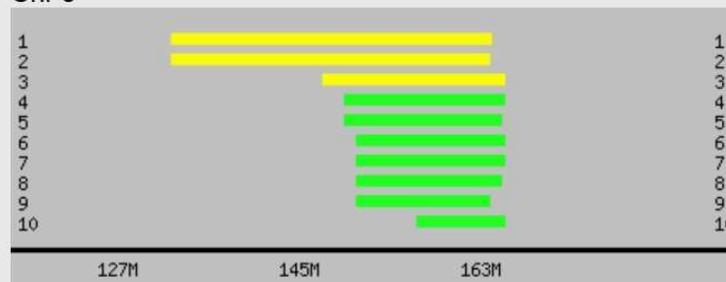
### 2-d Chromosome with Kit A845051 - Adam Lynn Olsen.

Length	> 100 cM	50-100 cM	20-50 cM	10-20 cM	5-10 cM	< 5 cM	Centromere
Color	<span style="display:inline-block; width:15px; height:15px; background-color:red;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:orange;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:blue;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:magenta;"></span>	<span style="display:inline-block; width:15px; height:15px; background-color:lightgrey;"></span>

Chr 5

Match ID	Name	Matching segments on Chromosome 5	Overlap with previous match
1	Steven Hammond(M090929)	134652996 - 166341244 (34.819 cM)	root
2	Will Hammond(M092853)	134608010 - 166291065 (34.769 cM)	134652996 - 166291065
3	Ted Griffin(M020079)	149581321 - 167702041 (21.496 cM)	149581321 - 166291065
4	*ROSE DENNIS Sister DDH(T040364)	151887435 - 167708905 (17.085 cM)	151887435 - 167702041
5	*ROSE DENNIS Brother CL(T201487)	151887435 - 167477752 (16.634 cM)	151887435 - 167477752
6	*ROSE HUBBARD DENNIS(M085444)	152991398 - 167708905 (16.334 cM)	152991398 - 167477752
7	*ROSE DENNIS Sister DEH(T410618)	152991398 - 167708905 (16.334 cM)	152991398 - 167708905
8	*ROSE DENNIS Nephew DPH(T233565)	152991398 - 167477752 (15.883 cM)	152991398 - 167477752
9	*Willy56(A616342)	152991398 - 166304508 (13.576 cM)	152991398 - 166304508
10	Burks Oakley II(A122463)	159062530 - 167708905 (11.723 cM)	159062530 - 166304508

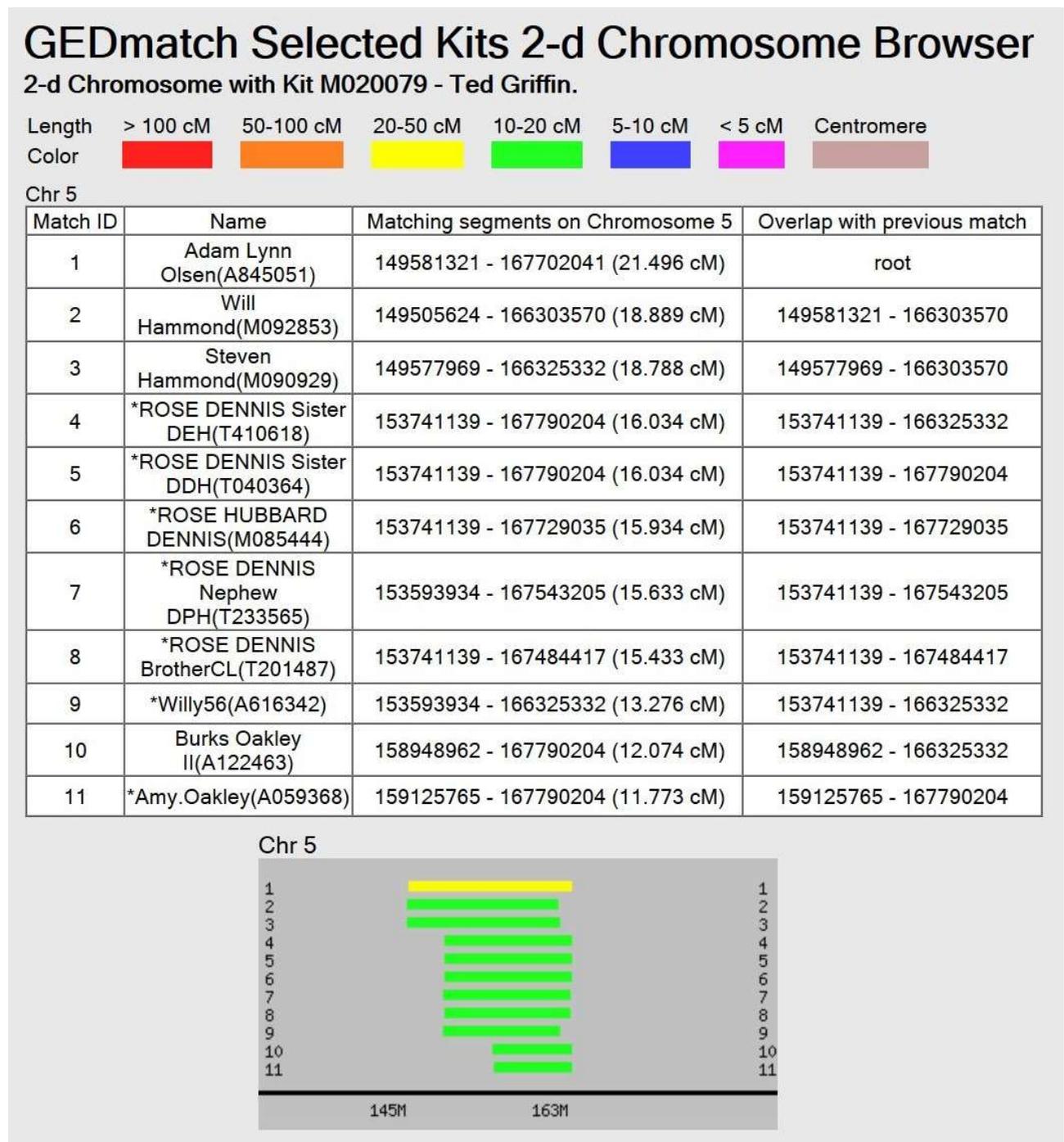
Chr 5



It seems that the matching DNA segment on Chromosome 5 is much larger than I would have expected based on the DNA match that I have with Rose. Since the graphic shows where each individual matches Adam, his segment must go from

134,608,010 on the left to 167,708905 on the right – that is, from the left edge of the left-most segment to the right edge of the right-most segment in the graphic above.

I next repeated this “test” to see who matches Ted Griffin and Rose on Chromosome 5:



Since Ted’s segment starts at 149,581,321, this graphic doesn’t go as far to the left as the previous one (which started at 134,608,010).

I next decided to look at the entire population that matched both Adam and Will on Chromosome 5 – and there turned out to be 60 individuals (although several of these entries appear to be duplicates for the same person):

Chr 5

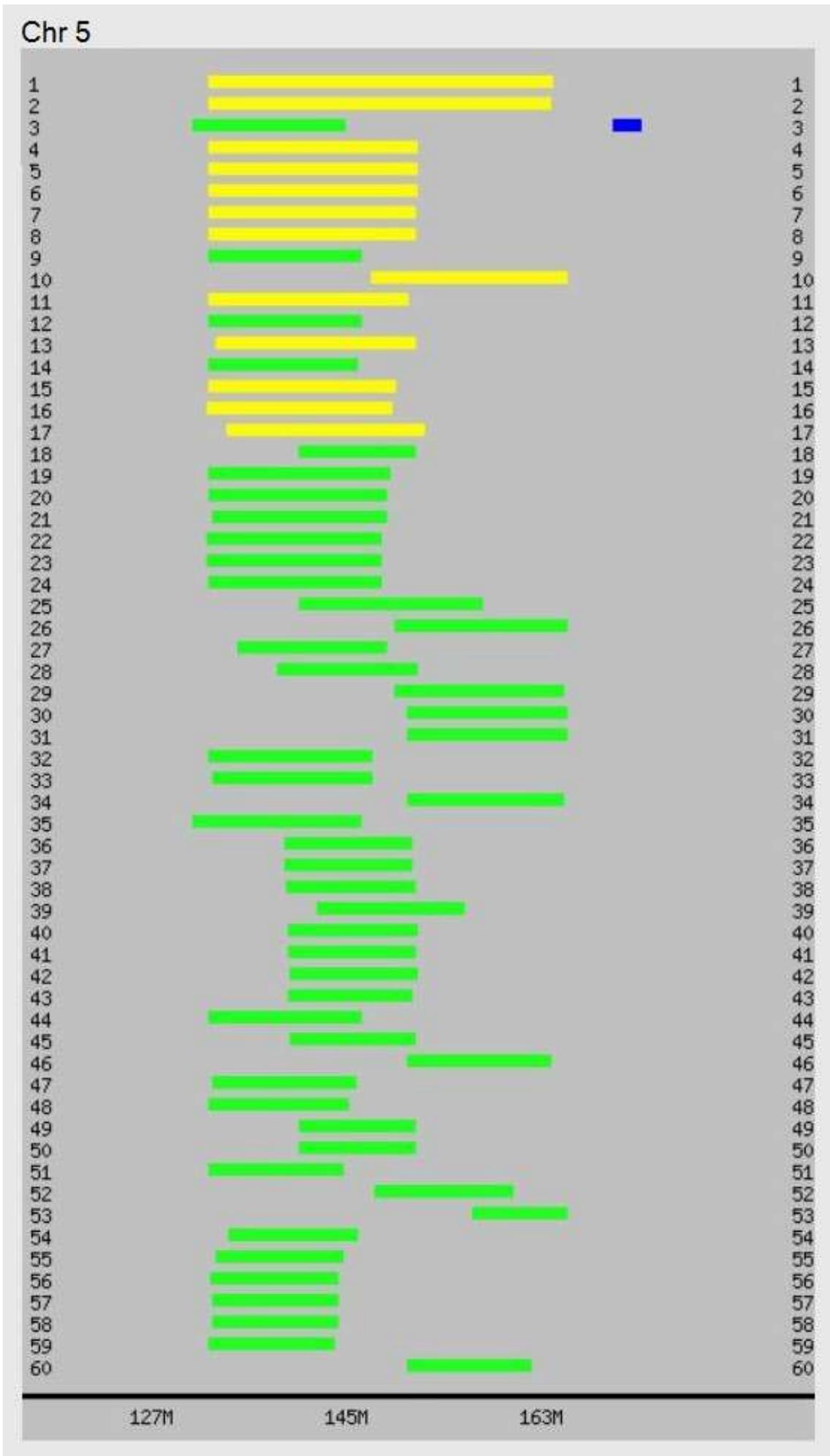
Match ID	Name	Matching segments on Chromosome 5	Overlap with previous match
1	Steven Hammond(M090929)	134652996 - 166341244 (34.819 cM)	root
2	Will Hammond(M092853)	134608010 - 166291065 (34.769 cM)	134652996 - 166291065

3	Miranda Loveyy(AU2538597)	133017882 - 147225514 (14.277 cM), 172096366 - 174652883 (8.795 cM)	134608010 - 147225514
4	Erin Rohan(A805784)	134599783 - 153904423 (21.743 cM)	134599783 - 147225514
5	*Phorevmor(A103456)	134599783 - 153797838 (21.693 cM)	134599783 - 153797838
6	Cressie Evans(M920418)	134599783 - 153797838 (21.693 cM)	134599783 - 153797838
7	Ron Leuty(HF5861206)	134599783 - 153749697 (21.643 cM)	134599783 - 153749697
8	*sandyk2451(A196946)	134608010 - 153737288 (21.643 cM)	134608010 - 153737288
9	Preston Wheaton(H476161)	108560090 - 115894579 (7.359 cM), 134623699 - 148663788 (14.176 cM)	134623699 - 148663788
10	Ted Griffin(M020079)	149581321 - 167702041 (21.496 cM)	root
11	Dennis Wilcox(T242283)	134599783 - 153054941 (21.243 cM)	149581321 - 153054941
12	*LizIsWise(A515539)	109237529 - 115942140 (7.008 cM), 134608010 - 148690879 (14.226 cM)	134608010 - 148690879
13	ClarkJjenks(A949378)	135331900 - 153749697 (20.842 cM)	135331900 - 148690879
14	Wade Bennett(A466125)	109419718 - 116153277 (7.259 cM), 134623699 - 148312767 (13.575 cM)	135331900 - 148312767
15	*Marty(A193309)	134603531 - 151879912 (20.442 cM)	134623699 - 148312767
16	*Eliza SM(M170520)	134456005 - 151524210 (20.291 cM)	134603531 - 151524210
17	*Ryan(HX2267405)	136345401 - 154523910 (20.291 cM)	136345401 - 151524210
18	Stephanie Ellwein(MG1858715)	16762646 - 24357450 (7.090 cM), 142916732 - 153749697 (12.725 cM)	142916732 - 153749697
19	*Bev Matheson(A111786)	134599783 - 151270122 (19.791 cM)	142916732 - 151270122
20	Penny Jo Welch(A596071)	134599783 - 150920566 (19.189 cM)	134599783 - 150920566
21	*Cousin Donny(M632544)	134961400 - 150921969 (18.788 cM)	134961400 - 150920566
22	Brandylin(TL2830995)	134368169 - 150432153 (18.488 cM)	134961400 - 150432153
23	Brandylin(M395400)	134368169 - 150432153 (18.488 cM)	134368169 - 150432153
24	*CaliforniaRose1(A273402)	134572661 - 150510233 (18.388 cM)	134572661 - 150432153

25	*SMJ(A989993)	143015669 - 159861575 (17.887 cM)	143015669 - 150510233
26	*ROSE DENNIS Sister DDH(T040364)	151887435 - 167708905 (17.085 cM)	151887435 - 159861575
27	Mark Young(A381220)	137210651 - 150964777 (16.936 cM)	root
28	Diane Bergie(KJ4897942)	141041435 - 153907246 (16.886 cM)	141041435 - 150964777
29	*ROSE DENNIS BrotherCL(T201487)	151887435 - 167477752 (16.634 cM)	151887435 - 153907246
30	*ROSE HUBBARD DENNIS(M085444)	152991398 - 167708905 (16.334 cM)	152991398 - 167477752
31	*ROSE DENNIS Sister DEH(T410618)	152991398 - 167708905 (16.334 cM)	152991398 - 167708905
32	Marie Tracy(A058045)	134599783 - 149700006 (16.332 cM)	root
33	Gwendolyn Martin(JB1032961)	134966642 - 149700006 (15.931 cM)	134966642 - 149700006
34	*ROSE DENNIS Nephew DPH(T233565)	152991398 - 167477752 (15.883 cM)	root
35	*blane(BF3861702)	133019116 - 148576253 (15.828 cM)	root
36	*delphinienne(A772131)	141576973 - 153273168 (15.383 cM)	141576973 - 148576253
37	Diane Martins(M545658)	141577451 - 153267753 (15.383 cM)	141577451 - 153267753
38	Sailer Brown(QC7978435)	141775868 - 153749697 (15.131 cM)	141775868 - 153267753
39	*Sharpshooter(A231084)	144684867 - 158179152 (15.082 cM)	144684867 - 153749697
40	Joshua Keel(TE3927590)	141945931 - 153765462 (14.680 cM)	144684867 - 153765462
41	*LbellYL(A235796)	141936472 - 153749697 (14.680 cM)	141945931 - 153749697
42	Christa Charter(PY6659601)	142076661 - 153797838 (14.378 cM)	142076661 - 153749697
43	*JDickey43(A384049)	142015715 - 153267753 (14.229 cM)	142076661 - 153267753
44	*Mary(A785039)	134623699 - 148663788 (14.176 cM)	142015715 - 148663788
45	Adam Chisman(M591548)	142183930 - 153737288 (13.977 cM)	142183930 - 148663788
46	*Willy56(A616342)	152991398 - 166304508 (13.576 cM)	152991398 - 153737288
47	*WDS(A347564)	134966642 - 148169346 (13.023 cM)	root
48	*ram(T743869)	134603531 - 147437003 (12.724 cM)	134966642 - 147437003
49	*PL(JJ7951159)	142956828 - 153737288 (12.675 cM)	142956828 - 147437003

50	*PattieL(A530942)	142956828 - 153737288 (12.675 cM)	142956828 - 153737288
51	John Andrew Harper(T957044)	134599783 - 147024509 (12.224 cM)	142956828 - 147024509
52	Jessica Dervin(A513460)	150011387 - 162683796 (12.074 cM)	root
53	Burks Oakley II(A122463)	159062530 - 167708905 (11.723 cM)	159062530 - 162683796
54	*Charles(A748206)	136371780 - 148242723 (11.522 cM)	root
55	Miranda Johnston(A917031)	135331900 - 147024509 (11.423 cM)	136371780 - 147024509
56	Shirley Pond Albert(M394011)	134775617 - 146559069 (11.423 cM)	135331900 - 146559069
57	*Aunt Margaret(A021550)	134966642 - 146559069 (11.222 cM)	134966642 - 146559069
58	Thomas A. Flynn (N)(A088126)	134938615 - 146527326 (11.222 cM)	134966642 - 146527326
59	*jmm(T167342)	134603531 - 146117992 (10.921 cM)	134938615 - 146117992
60	William Walker(M737529)	152991398 - 164458245 (10.470 cM)	root

Here is the corresponding graphic, which shows how all of these people match Adam Lynn Olsen on Chromosome 5:



At this point, it seems that Adam has one huge segment on Chromosome 5, which goes from 133,017,882 on the left to 167,708,905 on the right. Sixty people (less duplicates) in the GEDmatch.com database share at least 10 cM of this segment. Some people only have the left part of this segment, while others (like me) only have the right part of this segment. But to me, it appears that we all are related.

This is a very different picture than I had from only looking at the DNA match that I have with Rose Hubbard.

Does this mean that all sixty of these people share a common ancestor? That is the \$64,000 question for me at this point. And more specifically, is the common ancestor one of the six couples that Rose and I have in common?

### ***First Connection – Steven Hammond***

I began sending e-mails to the top matches in the previous chart, asking if they had their family trees available online. One of the first replies was from Steven Hammond:

Mon, Oct 7, 5:36 PM

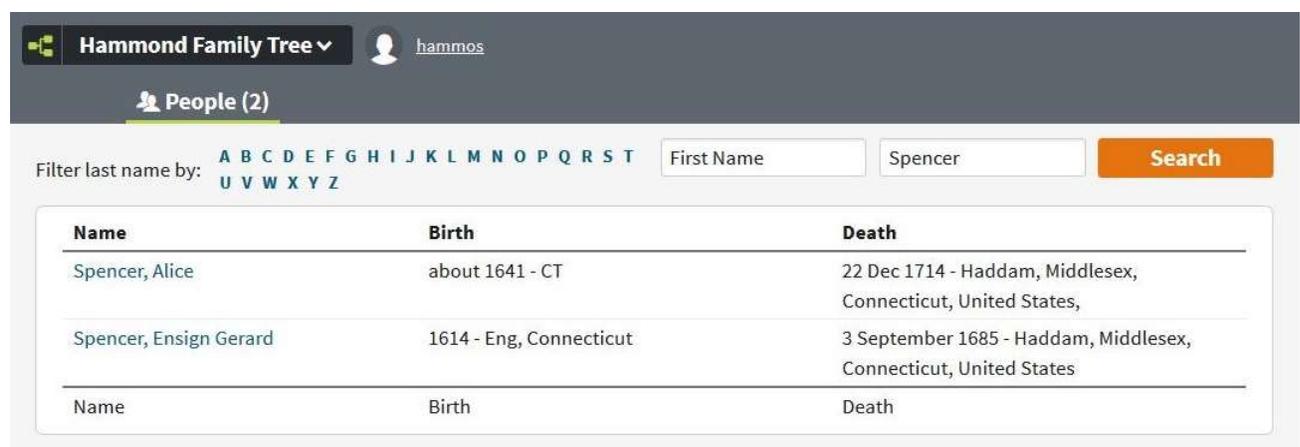
Hi Burks,

I'm Steve Hammond and my son is Will Hammond. Your results are interesting and as we have a pretty extensive family tree on Ancestry, I'll link to it in the hope that you can find out how we're all related. Here's the tree and I am the home person.

<https://www.ancestry.com/family-tree/tree/17353290/family>

All the best,  
Steve

I looked at his tree on Ancestry.com. I searched for the various surnames in the set of Rose-Burks common ancestors, and I was surprised to find that Steven is a Spencer descendant:



Hammond Family Tree  hammos

People (2)

Filter last name by: **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z** First Name  Search

Name	Birth	Death
Spencer, Alice	about 1641 - CT	22 Dec 1714 - Haddam, Middlesex, Connecticut, United States,
Spencer, Ensign Gerard	1614 - Eng, Connecticut	3 September 1685 - Haddam, Middlesex, Connecticut, United States
Name	Birth	Death

OMG – He is descended from Ens. Gerard Spencer, who also was one of Rose's ancestors.



Hammond Family Tree  hammos

 **Ensign Gerard Spencer**  
BIRTH 1614 • Eng, Connecticut  
DEATH 3 SEPTEMBER 1685 • Haddam, Middlesex, Connecticut, United States

Here is a chart showing how Steven, Rose, and I are related:



So this certainly is encouraging, but certainly not at all proof of the origin of our DNA matches.

### ***Beverly Matheson***

I also wrote to Beverly Matheson, but she was travelling and didn't have access to her account on Ancestry.com. Being the impatient person that I am, I searched for her on Ancestry.com, and was amazed to find her listed with her username being her actual full name:

## Member Directory

**Find a specific member**

**Search**

**Search results**

User Name	Location	Member Since	Last Signed In
 <a href="#">Beverly Matheson</a>	Lake Havasu City, Arizona, USA	1 Feb 2006	3 days ago
 <a href="#">beverly matheson</a>	Redford, Michigan, USA	22 Mar 2007	Yesterday

25 Results per page 1 of 1

She was the first one (based on her DNA matches with others). And when I looked at her pedigree, I found a Spencer – Emily Spencer (1854-1938):

**Miles Matheson #3** Beverly Matheson

- Arthur William MILES (1884-1948)
  - John H Miles (1854-1925)
  - Emily SPENCER (1854-1938) ★
- Angus Edward MILES (1920-2008)
  - James C NEIBAUR (1862-1938)
  - Elizabeth Jane CROFT (1863-1938)
- Ada Jane NEIBAUR (1884-1961)
  - Joseph Shelley Conder (1857-1927)
  - Ellen Charlotte Mills (1866-1917)
- George Edward Conder (1886-1931)
  - Joseph Henry Higgins (1866-1933)
  - Margaret Ann Luster (1874-1960)
- Norma CONDER (1925-2016)
  - John Henry W MILES
  - Eliza Horne
  - George SPENCER
  - Emily Brown BUSH
  - Joseph W NEIBAUR
  - Elizabeth CRANSHAW
  - Thomas CROFT
  - Elizabeth RICHARDSON
  - Edward Conder
  - Sarah Martha Shelley
  - George Henry Mills
  - Caroline Boxall
  - Nelson Higgins
  - Nancy Maribah Behunin
  - James Henry Luster
  - Margaret Ann Richards
- Jennie HIGGINS (1890-1972)

And going back on this Spencer line, I got to Gerard Spencer:

**Miles Matheson #3** **Tree Search** Beverly Matheson



## Gerard Garet Spencer

**BIRTH** 20 MAY 1576 • St. Mary's, Stotford, England

**DEATH** BEF 1646 • Hartford, Hartford, Connecticut USA

She has “Stotford” – it should be “Stotfold” (I visited there in September 2019). And this Gerard Spencer is my ancestor, as well!

Here is a chart showing how Beverly and I are related:



This certainly is getting interesting! Another connection going back to the Spencer family in Edworth/Stotfold, Bedfordshire, England.

Just for fun, let me add Beverly's line to the others:





Wow! Amazing! So Adam, who has a very large DNA match with a number of us, is also a Spencer descendant.

Here is a chart showing how Adam and I are related through the Spencer family:



We are eleventh-cousins twice-removed. We shouldn't have any autosomal DNA in common. Yet he represents the fifth line to have this match and this common ancestor.

Finally, here is a chart showing all five lines going back to Gerard Spencer (1576-1646) and his wife Alice Whitbread (1571-1646):



She discussed “how we can be fooled by the size of shared DNA segments – especially with more distant cousins”. She wrote:

Many genetic genealogists like to call DNA segments that remain about the same size as they pass through the generations “sticky DNA segments”. Sometimes, the segment is sticky in just one line, and other times the segment is just as sticky with other descendants on other lines descended from the same common ancestor. The reason that these segments can confuse us is that we use the amount of shared DNA and the size of the DNA segments to estimate our relationship to our matches, and when segments get passed down “intact”, or almost intact, it can seem as if the MRCA is more recent than they really are.

This appears to be what is going on with the DNA match that we all have with Adam Olsen.

Here is the match that Amy and I have with Adam:

## GEDmatch<sup>®</sup> Autosomal One-to-one Comparison

Comparing Kit A122463 (Burks Oakley II) [Migration - F2 - A] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	159,062,530	167,708,905	11.7	1,979

Comparing Kit A059368P1 (\*Amy.Oakley) [GEDMatch Phased] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	159,102,717	167,708,905	11.7	1,288

My matching segment is only 40,187 longer than Amy’s matching segment (out of ~8.6 million). Both of these matches are found to be 11.7 cM.

Next, let’s look at Steven and his son Will:

## GEDmatch<sup>®</sup> Autosomal One-to-one Comparison - V1.0

Comparing Kit M090929 (Steven Hammond) [Migration - V3 - M] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	134,652,996	166,341,244	34.8	6,728

Comparing Kit M092853 (Will Hammond) [Migration - V4 - M] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	134,608,010	166,291,065	34.8	3,293

Again, just 40k-50k shorter at each end. Both of these matches are found to be 34.8 cM.

Finally, I will compare Rose’s brother and his son with Adam:

## GEDmatch® Autosomal One-to-one Comparison

Comparing Kit T201487 (\*ROSE DENNIS BrotherCL) [Migration - F2 - F] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	151,887,435	167,477,752	16.6	3,385

Comparing Kit T233565 (\*ROSE DENNIS Nephew DPH) [Migration - F2 - F] and A845051 (Adam Lynn Olsen) [Migration - F2 - A]

Chr	B37 Start Pos'n	B37 End Pos'n	Centimorgans (cM)	SNPs
5	152,991,398	167,477,752	15.9	3,220

Here the son's segment is slightly shorter – 15.9 cM vs. 16.6 cM. But the son's segment is still a significant part of the father's segment.

### ***Lowering the Threshold to 8 cM***

In finding the people who have DNA matches with both Adam Olsen and Will Hammond, I used the tool on the GEDmatch.com website that is called "People who match both, or 1 of 2 kits". The default for this tool is a 10 cM threshold for the largest segment to qualify as a match. I decided to lower the threshold for a match from the default value of 10 cM to 8 cM, to see if I could identify additional individuals who match both Adam and Will. This turned up a large number of matches – too large to itemize here. But I did notice that one of these individuals was a woman named Catharine Spencer Inniss. Note that her maiden name is Spencer.

Adding Catherine Spencer to the group of known Spencer descendants gave the following view of the matches on Chromosome 5:

# GEDmatch Selected Kits 2-d Chromosome Browser

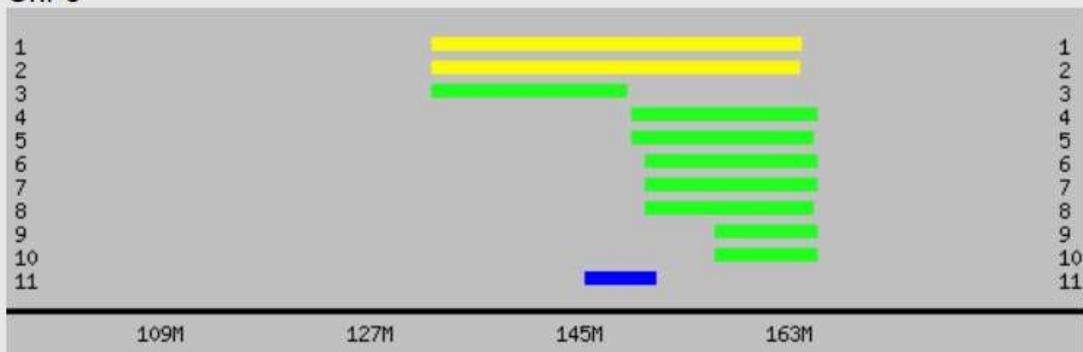
2-d Chromosome with Kit A845051 - Adam Lynn Olsen.

Length > 100 cM 50-100 cM 20-50 cM 10-20 cM 5-10 cM < 5 cM Centromere  
 Color ■ ■ ■ ■ ■ ■ ■

Chr 5

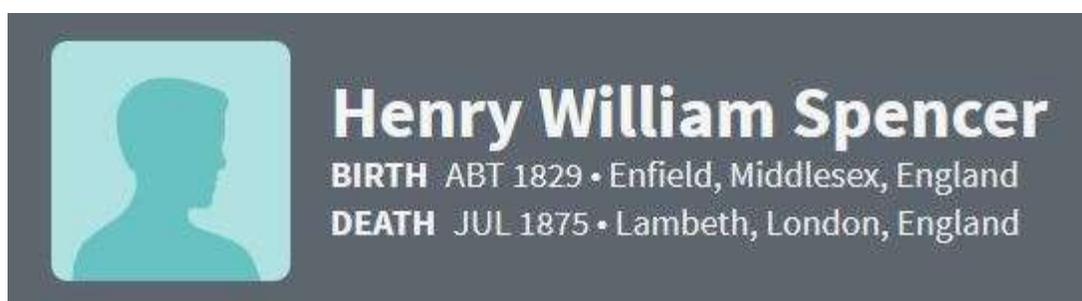
Match ID	Name	Matching segments on Chromosome 5	Overlap with previous match
1	Steven Hammond(M090929)	134652996 - 166341244 (34.819 cM)	root
2	Will Hammond(M092853)	134608010 - 166291065 (34.769 cM)	134652996 - 166291065
3	*Bev Matheson(A111786)	134599783 - 151270122 (19.791 cM)	134608010 - 151270122
4	*ROSE DENNIS Sister DDH(T040364)	151887435 - 167708905 (17.085 cM)	root
5	*ROSE DENNIS BrotherCL(T201487)	151887435 - 167477752 (16.634 cM)	151887435 - 167477752
6	*ROSE HUBBARD DENNIS(M085444)	152991398 - 167708905 (16.334 cM)	152991398 - 167477752
7	*ROSE DENNIS Sister DEH(T410618)	152991398 - 167708905 (16.334 cM)	152991398 - 167708905
8	*ROSE DENNIS Nephew DPH(T233565)	152991398 - 167477752 (15.883 cM)	152991398 - 167477752
9	Burks Oakley II(A122463)	159062530 - 167708905 (11.723 cM)	159062530 - 167477752
10	*Amy.Oakley(A059368)	159102717 - 167708905 (11.673 cM)	159102717 - 167708905
11	Catharine Spencer Inniss(A484367)	147865882 - 153769293 (8.519 cM)	root

Chr 5



Catherine’s DNA match is 8.5 cM, and it is right in the middle of Adam’s segment.

I contacted her and she informed me about her family tree on Ancestry.com.<sup>3</sup> Her paternal grandfather was born in 1900 in London, England, and he immigrated to Canada as a young man. Catharine’s tree goes back to Henry William Spencer (1829-1875):



Jazmine Spencer-Gray’s tree on Ancestry.com traces the line back to Thomas Spencer (1778-1860), who lived in Blankney, Lincolnshire, England. But I haven’t seen anything connecting back to my Spencer ancestors.

<sup>3</sup> <https://www.ancestry.com/family-tree/tree/5945334>

I'll leave Catharine Spencer Inniss as an intriguing DNA match, and hopefully will have time in the future to research her Spencer line back in England.

### ***Alice Spencer – A Duplicate***

In putting together various family trees, I found a person who appeared in both Rose's tree and Steven's tree – and that was Alice Spencer.

Here is Rose's tree:

This screenshot shows a family tree profile for Marah Alice Spencer. The header includes the tree name "My Two George Hubbar...", a search icon, and the user "rosedenni". The profile card shows a silhouette, the name "Marah Alice Spencer", birth date "1641" in "East Haddam, Middlesex, Connecticut, USA", and death date "22 DEC 1714" in "Killingworth, Middlesex, CT".

Parents	Spouse & Children
<b>Gerard Spencer Ensign</b> 1614-1685	<b>Thomas Brooks</b> 1636-1668
<b>Hannah Hills</b> 1618-1692	<b>Sarah Brooks</b> 1662-1696
	<b>(Deacon) Thomas Brooks</b> 1664-1734
	<b>Mary Marah Brooks</b> 1666-
	<b>Alice Brooks</b> 1668-

Here is the entry from Steven's tree:

This screenshot shows a family tree profile for Alice Spencer. The header includes the tree name "Hammond Family Tree", a search icon, and the user "hammos". The profile card shows a silhouette, the name "Alice Spencer", birth date "ABOUT 1641" in "CT", and death date "22 DEC 1714" in "Haddam, Middlesex, Connecticut, United States".

Parents	Spouse & Children
<b>Ensign Gerard Spencer</b> 1614-1685	<b>Thomas Shayler</b> 1641-1692
<b>hannah hills</b> 1614-	<b>Thomas (Captain) Shaylor Shailer</b> 1670-1753

Hmmm.... Same birth and death dates. Same locations. Same parents. But different husbands.

But one husband (Thomas Brooks) died at age 32 in 1668 (when Alice was just 27 years old), so she could have remarried Thomas Shayler.

Continued searching through various trees on Ancestry.com found that this was the case:

Betsill Family Tree ▾ Tree Search CASEY Betsill

 **Marah "Alice" Spencer (Brooks) (Shailer)**  
 BIRTH 1641 • East Haddam, Middlesex County, Connecticut  
 DEATH 22 DECEMBER 1714 • East Haddam, Middlesex County, Connecticut, United States of America

**Parents**

-  **Ensign Gerrard Spencer II**  
1614-1685
-  **Hannah Joannis Hills (Spencer)**  
1616-1692

**Spouse & Children**

-  **Thomas Brooks**  
1641-1668
-  **Sarah Brooks (Ingraham)**  
1662-1696
-  **Thomas Brooks Jr**  
1664-1734
-  **Mary Marah Brooks**  
1666-
-  **Rebecca Brooks**  
1667-1752
-  **Alice Brooks**  
1668-1668

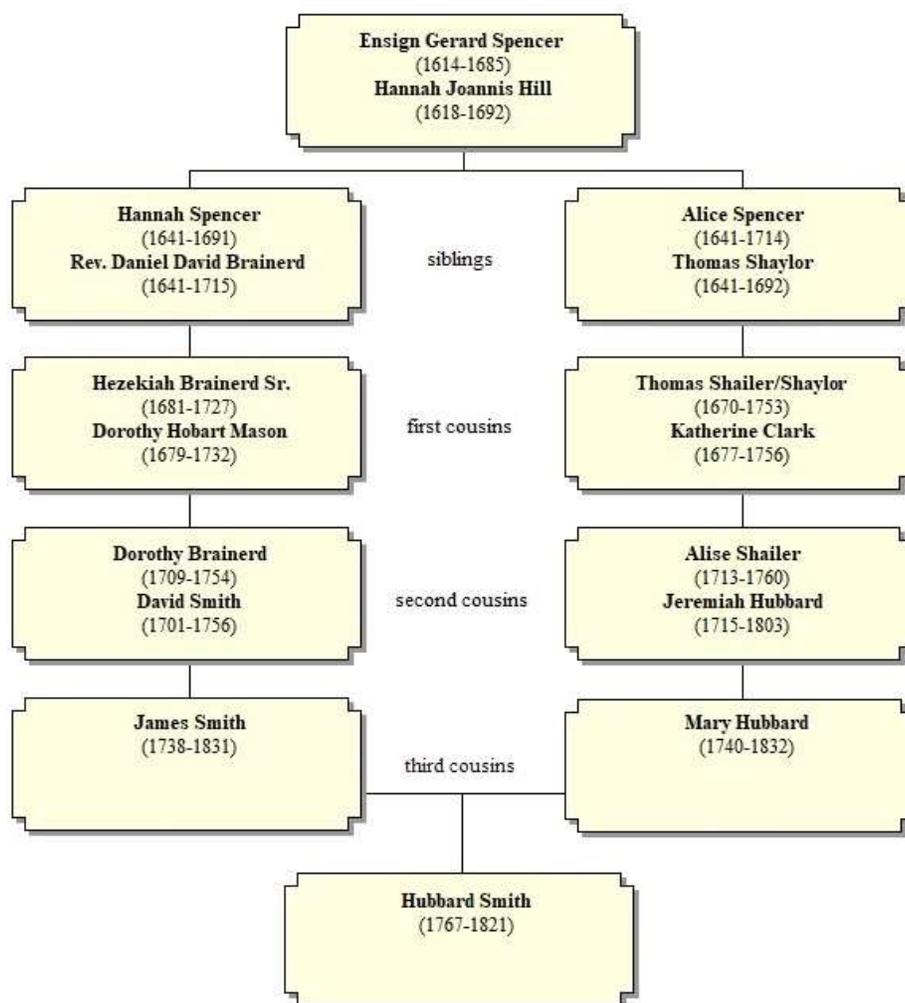
**Spouse & Children**

-  **Ensign Thomas Shailer Sr.**  
1641-1692
-  **Captain Thomas Shailer Jr.**  
1670-1753
-  **Abel Shailer Sr.**  
1673-1744
-  **Sgt. Timothy Shailer Sr.**  
1675-1727
-  **Nathaniel Shailer**  
1677-1714
-  **Hannah Shailer (Clark)**  
1683-1714

And to compound the problem, I also have seen her name as Alice Mariah Spencer. Mariah or Marah? And in her first marriage, she had children Mary Marah and Alice. Marah probably is correct, but right now, my records have Mariah.

### ***Hubbard Smith – His Parents were Third Cousin***

In looking at all the various family trees, I learned an interesting fact about Hubbard Smith (1767-1821). His parents were James Smith (1738-1831) and Mary Hubbard (1740-1832), and they were third-cousins. James Smith's mother, Dorothy Brainerd, was a great-granddaughter of Ens. Gerard Spencer and his wife Hannah Hill (or Hills). Mary Hubbard's mother, Alise Shailer (or Shaylor), also was a great-granddaughter of the Spencer-Hill couple. These relationships are shown in the following chart:



As an aside, I note that Hubbard Smith was given his mother's maiden name as his first name – just like my father Burks Oakley (1898-1969) – but I digress.

I only have one concern about this; I note that Hannah Spencer and Alice Spencer were sisters, and they both were born in 1641. Various family trees on Ancestry.com have Hannah born in Lynn, Massachusetts, and Alice born in East Haddam, Connecticut. I'll have to leave this for another time.

### ***Frustrated by Lack of Replies to my E-mail Messages***

I now have sent e-mails to most all of the 60 people who have DNA matches (10 cM threshold) with Adam and Will, asking them about their family trees. I have to admit that I am disappointed that so few people have replied to my messages. Why take the time to have your DNA profile on GEDmatch.com if you aren't interested in finding out more about your ancestral lines? </soapbox>

### ***Conclusion***

In this narrative, I have discussed my DNA match with Rose Hubbard – we match on Chromosome 5, and we share this match with several of her family members, as well as my daughter Amy. This matching segment appears to be a small part of a much larger DNA segment, which is shared by Adam Olsen, Steven Hammond, and Steven's son Will. Another person with part of this segment is Beverly Matheson (nee Miles).

In searching for our MRCA, I found that Adam, Steven (and Will), Beverly, Rose, and I all are descended from Gerald Spencer (1576-1646) and his wife Alice Whitbread (1571-1646). At this point in time, my working hypothesis is that all

of us inherited autosomal DNA from this couple, accounting for our DNA match on Chromosome 5.