Barrow-Lousada DNA Research
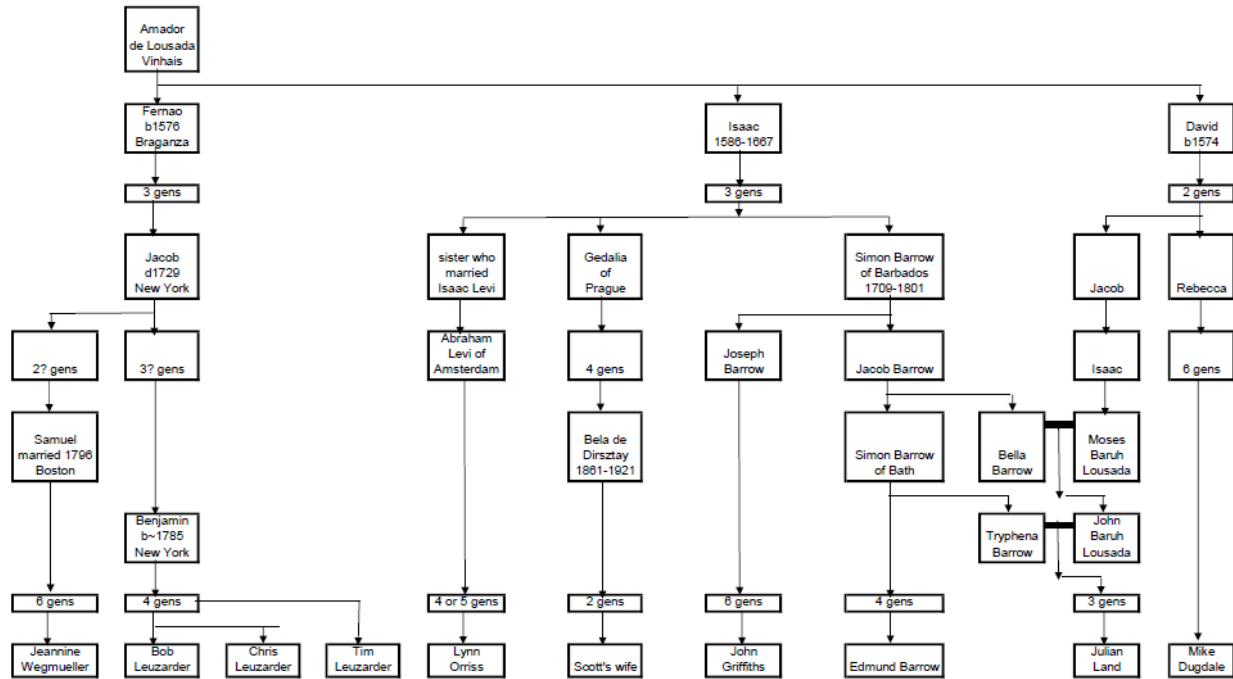## Report #4   June 6, 2020
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Ok.. good news and bad news. I'll start with the latter… this project may be impossible to solve. We have hit a road block and it had everything to do with the original supposition. Could we identify ancestry based upon the way in which small chunks of DNA were present in the current day descendants? The problem is exactly what you were told by your parents… Don't marry your cousins! All evidence points to a genetic bottleneck around 1700-1750 where 1st and 2nd cousins were being fruitful. The result is that everyone had similar DNA.

What Fraction of your Chunks Match those of the Core Person?

1735 Kit	Bob EK4706129	Chris Leuzarder Wehmann AU4685366	Tim Leuzarder SN3159019	Jeannine Wegmueller A341472	Lynn DX3229164	[Scott's wife] EX2753498	John Griffiths NB5414371	Edmund Barrow AM6017925	*M. Waas HA1338695	Julian TF4905650	Mike PK9579087
A075951	0%	0%	0%	50%	50%	50%	0%	0%	0%	50%	50%
A096108	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
A341472	7%	36%	36%	100%	14%	29%	7%	29%	0%	21%	14%
A460553	0%	0%	0%	100%	0%	100%	0%	0%	0%	100%	0%
A574942	0%	0%	0%	50%	50%	50%	0%	0%	0%	50%	50%
A579453	33%	0%	33%	33%	33%	0%	0%	67%	33%	33%	67%
A706989	0%	0%	25%	50%	25%	50%	0%	50%	0%	75%	75%
AM6017925	11%	11%	22%	44%	22%	22%	11%	100%	0%	11%	22%
AU4685366	25%	100%	13%	63%	13%	25%	25%	13%	13%	0%	13%
CB9076529	100%	100%	0%	0%	100%	0%	100%	0%	0%	0%	0%
CK1224385	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%
DB5127887	33%	33%	33%	33%	0%	33%	0%	33%	33%	67%	33%
DB6074075	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DJ1509787	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DX3229164	25%	13%	25%	25%	100%	0%	13%	25%	0%	0%	25%
EE4143664	0%	0%	50%	50%	0%	0%	0%	50%	0%	100%	100%
EK4706129	100%	33%	0%	17%	33%	17%	33%	17%	17%	17%	0%
ER8756286	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
EX2753498	9%	18%	0%	36%	0%	100%	18%	18%	18%	36%	18%
FF1403486	0%	0%	0%	50%	0%	0%	0%	50%	50%	50%	0%
FJ2731361	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%
FS3717109	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%
HA1338695	17%	17%	0%	0%	0%	33%	0%	0%	100%	17%	33%
HA5320961	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
HQ7413779	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HZ7839011	0%	0%	50%	75%	25%	25%	0%	25%	0%	75%	25%
JS1728479	50%	50%	50%	50%	0%	0%	0%	0%	0%	50%	0%
KY2267188	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
LE1260585	0%	33%	33%	67%	33%	33%	0%	0%	0%	33%	33%
LK7582655	0%	33%	33%	67%	33%	0%	0%	0%	33%	0%	33%
M048474	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%
M149913	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
M286972	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
M870784	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%
M914198	33%	0%	0%	0%	0%	0%	33%	0%	0%	67%	67%
M968311	0%	33%	67%	33%	0%	33%	0%	33%	0%	33%	0%
NB5414371	33%	33%	0%	17%	17%	33%	100%	17%	0%	0%	17%
NG8990082	67%	33%	0%	33%	33%	33%	33%	0%	0%	67%	0%
PK9579087	0%	9%	9%	18%	18%	18%	9%	18%	18%	36%	100%
PN5754753	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PR3635891	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RS6301973	0%	0%	100%	100%	0%	0%	0%	100%	0%	100%	100%
RU2143321	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
SC6640056	33%	0%	33%	67%	33%	33%	0%	0%	0%	67%	0%
SN3159019	0%	13%	100%	63%	25%	0%	0%	25%	0%	25%	13%
SW1025112	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
T016632	0%	20%	20%	80%	0%	60%	0%	20%	20%	40%	40%
T103446	20%	0%	0%	40%	0%	40%	0%	20%	40%	40%	60%
T210045	29%	0%	29%	57%	29%	29%	0%	14%	14%	57%	43%
T284610	25%	50%	0%	25%	25%	25%	0%	25%	50%	25%	0%
T383870	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
T406721	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%
T662988	20%	0%	40%	40%	0%	0%	0%	60%	0%	60%	40%
T730477	25%	25%	50%	50%	50%	25%	0%	25%	0%	25%	0%
T754618	0%	0%	83%	50%	17%	0%	17%	33%	0%	33%	17%
T812262	0%	14%	43%	43%	14%	14%	14%	29%	14%	57%	29%
T831264	0%	33%	67%	33%	0%	33%	0%	0%	0%	67%	0%
T854367	33%	0%	0%	0%	0%	0%	0%	0%	67%	67%	33%
T969546	0%	67%	67%	67%	0%	33%	0%	33%	33%	33%	33%
TF4905650	11%	0%	22%	33%	0%	44%	0%	11%	11%	100%	44%
TL8916731	0%	0%	100%	100%	0%	0%	0%	100%	0%	100%	100%
UB8724992	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
UG4831716	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%
US4831716	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WJ3527428	33%	33%	67%	67%	67%	0%	0%	33%	0%	0%	0%
XA7289164	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
XN6491514	100%	100%	0%	0%	100%	0%	100%	0%	0%	0%	0%
YG1820626	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ZA6999234	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
ZM1904913	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

The above chart shows the exact issue. We develop a new set of DNA chunks to look at (250 in total) in order to increase the accuracy. These chunks were shared between more than two people in the core group, and therefore we felt as being possible markers. By looking at the width of these chunks, we

could then look at only those which converged prior to 1735. Our hope was that we would have each person neatly align with one or two people. However, it was a complete mess. Even back this far, the common DNA was being shared almost evenly among everyone. Two possible answers were that everyone in the set had multiple ancestors, or the more likely outcome is that the DNA from each of these ancestors is not unique.

Amador de Lousada Vinhais

Fernao b1576 Braganza | Isaac 1586-1667 | David b1574

3 gens | 3 gens | 2 gens

Jacob d1729 New York | sister who married Isaac Levi | Gedalia of Prague | Simon Barrow of Barbados 1709-1801 | Jacob | Rebecca

2? gens | 3? gens | Abraham Levi of Amsterdam | 4 gens | Joseph Barrow | Jacob Barrow | Isaac | 6 gens

Samuel married 1796 Boston | Bela de Dirsztay 1861-1921 | Simon Barrow of Bath | Bella Barrow | Moses Baruh Lousada

Benjamin b~1785 New York | Tryphena Barrow | John Baruh Lousada

6 gens | 4 gens | 4 or 5 gens | 2 gens | 6 gens | 4 gens | 3 gens

Jeannine Wegmueller | Bob Leuzarder | Chris Leuzarder | Tim Leuzarder | Lynn Orriss | Scott's wife | John Griffiths | Edmund Barrow | Julian Land | Mike Dugdale

We should remember that the family tree we have been looking at is the Lousada/Barrow tree. Taking a patrilineal viewpoint ignores 50% of the DNA. Daughters married into other families, and apparently some of those off-spring married back. So while we hoped that each of the most recent ancestors carried a unique DNA signature… we were wrong. It was a DNA soup in Livorno in 1735.

It gets worse when we look at the tree we have been holding true (above). Based upon the analysis, we have come to the conclusion that at least one person may not be in the correct place. Further, we all connect in the 1700-1750 time-frame, not ~1550. Further, and I can say this with a lot of certainty.. a single connection between myself, Bob, Chris, and Tim around 1730-1740 is impossible. Joseph Barrow's daughter (Ann Judith Barrow) from whom I am descended was not legitimate and her mother was not at all related to anyone of European descent. Further, my other relatives at this time were Scottish. This indicates we are missing multiple connections across the family. The DNA is there, but the marriages and children are missing. Again, we have DNA Soup.

Kit	Name	EK4706129 Bob	AU4685366 Chris Leuzarder Wehmann	SN3159019 Tim Leuzarder	A341472 Jeannine Wegmueller	DX3229164 Lynn	EX2753498 [Scott's wife]	NB5414371 John Griffiths	AM6017925 Edmund Barrow	HA1338695 Michael Waas	TF4905650 Julian	PK9579087 Mike
EK4706129	Bob	-	1789	1775	1718	1733	1717	1737	1716	1720	1722	1727
AU4685366	Chris Leuzarder Wehmann	1789	-	1784	1727	1751	1733	1733	1718	1710	1718	1723
SN3159019	Tim Leuzarder	1775	1784	-	1713	1736	1722	1747	1724	1729	1711	1729
A341472	Jeannine Wegmueller	-	-	-	-	-	-	-	-	-	-	-
DX3229164	Lynn	1733	1755	1736	1749	-	1754	1773	1742	1710	1764	1743
EX2753498	[Scott's wife]	1717	1735	1722	1716	1754	-	1731	1734	1737	1719	1729
NB5414371	John Griffiths	1737	1733	1747	1731	1773	1731	-	1739	1733	1733	1734
AM6017925	Edmund Barrow	1716	1718	1724	1722	1742	1734	1739	-	1741	1724	1704
HA1338695	Michael Waas	1720	1710	1729	1727	1710	1737	1733	1741	-	1722	1712
TF4905650	Julian	1722	1718	1711	1728	1764	1719	1733	1724	1722	-	1718
PK9579087	Mike	1727	1723	1729	1731	1743	1729	1734	1704	1712	1718	-

We haven't called it quits on this front and will keep looking at the DNA in case there are some possible strands which are associated only with a few people. This maybe the case with ~10% of them. However, we need to fix the tree first. That is going to take some time.

Date of Common Ancestor

Kit	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
A075951	0	0	1	1	1	3	4	1	1	1	1	0	0	0	1	0
A096108	0	0	0	1	5	9	3	3	0	1	0	0	0	0	0	0
A341472	1	2	2	16	19	16	13	7	9	1	1	0	0	0	1	0
A460553	0	0	0	3	2	1	6	4	3	1	0	0	0	0	0	0
A574942	0	0	1	1	1	3	4	1	1	1	1	0	0	0	1	0
A579453	0	0	1	5	6	8	3	5	3	1	0	0	0	0	0	0
A706989	0	1	1	3	4	3	3	5	3	1	0	0	0	0	0	0
AM6017925	0	2	2	10	9	14	11	7	6	4	3	0	0	0	0	0
AU4685366	1	2	1	4	12	15	10	10	9	1	0	0	0	0	0	0
CB9076529	0	0	1	0	3	1	1	0	1	0	0	0	0	0	0	0
CK1224385	0	0	1	0	0	1	1	2	3	2	0	0	0	0	0	0
DB5127887	0	0	0	4	4	2	1	3	1	0	0	0	0	0	0	0
DB6074075	0	0	0	2	4	1	2	3	2	0	1	1	0	0	0	0
DJ1509787	0	0	0	0	3	2	0	0	1	0	0	0	0	0	0	0
DX3229164	0	2	3	4	8	7	15	10	10	6	3	1	0	0	0	0
EE4143664	0	0	1	1	2	0	2	0	2	2	2	0	0	0	0	0
EK4706129	0	1	2	8	9	16	10	10	7	2	0	0	0	0	0	0
ER8756286	0	0	0	2	3	2	1	2	4	0	0	0	0	0	0	0
EX2753498	0	0	4	8	12	11	13	9	8	1	3	0	1	0	0	0
FF1403486	0	0	1	1	5	2	4	5	1	0	0	0	0	0	0	0
FJ2731361	0	0	1	1	3	5	2	2	5	2	0	0	0	0	0	0
FS3717109	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
HA1338695	0	0	4	3	11	4	10	4	4	2	2	0	1	0	0	0
HA5320961	0	0	0	2	3	4	2	3	1	1	0	1	0	0	1	0
HQ7413779	0	0	0	1	1	1	2	5	3	1	0	0	0	0	0	0
HZ7839011	0	1	0	8	5	7	4	3	2	2	0	0	0	0	0	0
JS1728479	0	0	0	2	3	3	1	1	2	1	1	0	0	0	0	0
KY2267188	0	1	0	0	2	1	2	4	1	1	0	0	0	0	0	0
LE1260585	0	0	1	2	2	0	3	2	1	1	0	0	0	0	0	0
LK7582655	0	0	2	1	3	0	1	3	1	2	0	0	0	0	0	0
M048474	0	0	1	1	3	2	2	2	3	0	0	0	0	0	0	0
M149913	0	0	0	0	4	2	5	6	2	2	0	0	0	0	0	0
M286972	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0
M870784	0	0	0	1	5	3	2	1	4	1	1	0	0	0	0	0
M914198	0	0	2	1	2	2	7	2	1	1	0	0	0	0	1	0
M968311	0	1	1	0	6	2	1	4	6	0	0	0	0	0	0	0
NB5414371	0	1	3	2	9	12	10	5	7	6	3	0	0	0	0	0
NG8990082	0	0	1	3	2	1	3	6	0	0	0	0	0	0	0	0
PK9579087	0	1	7	9	10	14	11	9	7	3	1	0	0	0	1	0
PN5754753	0	0	0	0	2	2	5	2	1	2	0	0	0	0	0	0
PR3635891	0	0	0	1	3	2	4	1	1	2	2	0	0	0	0	0
RS6301973	0	0	0	1	2	3	4	5	4	0	0	0	0	0	0	0
RU2143321	0	0	0	1	0	1	3	1	2	3	1	0	0	0	0	0
SC6640056	0	0	1	4	8	2	5	2	4	0	0	0	0	0	0	0
SN3159019	0	4	1	6	12	8	16	6	5	4	1	0	0	0	0	0
SW1025112	0	0	0	1	3	2	1	1	1	0	0	0	0	0	0	0
T016632	0	0	1	8	7	3	3	4	1	0	1	0	0	0	0	0
T103446	0	0	3	3	4	5	9	3	2	0	1	0	0	0	0	0
T210045	0	0	2	7	3	3	3	2	0	1	0	0	0	0	0	0
T284610	0	0	1	6	3	3	1	2	1	1	0	0	0	0	0	0
T383870	0	0	1	3	2	7	8	3	4	2	0	0	0	0	0	0
T406721	0	0	0	0	3	9	4	5	3	1	0	0	0	0	0	0
T662988	0	1	1	5	6	4	3	2	3	0	1	0	0	0	0	0
T730477	0	0	2	3	3	6	7	5	4	1	0	1	0	0	0	0
T754618	0	3	0	6	5	5	5	3	2	2	1	0	0	0	0	0
T812262	0	1	2	5	3	3	8	6	1	0	1	0	0	0	1	0
T831264	0	1	1	2	3	5	5	3	6	3	1	0	0	0	0	0
T854367	0	0	2	2	5	4	4	2	2	1	0	0	0	0	0	0
T969546	0	0	0	3	5	7	5	4	2	0	0	0	0	0	0	0
TF4905650	0	1	4	8	12	12	10	8	7	2	2	1	0	0	0	0
TL8916731	0	0	0	3	1	0	3	4	2	1	0	0	0	0	0	0
UB8724992	0	0	0	0	3	0	4	2	1	0	1	0	0	0	0	0
UG4831716	0	0	1	1	3	1	2	3	0	0	0	0	0	0	0	0
US4831716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WJ3527428	0	0	1	1	2	3	3	3	2	0	0	0	0	0	0	0
XA7289164	0	0	0	1	3	0	3	3	1	0	1	0	0	0	0	0
XN6491514	0	0	1	0	1	3	4	1	1	0	0	0	0	0	0	0
YG1820626	0	0	0	0	2	2	2	1	0	2	0	0	0	0	0	0
ZA6999234	0	0	0	1	1	1	3	1	1	1	0	0	0	0	0	0
ZM1904913	0	0	0	0	1	2	1	3	1	0	2	0	0	0	0	0

So what's the good news? Once we we threw out the prime goal, we then tried to see what we could actually discover. The result was, for a large number of people, we have a good idea who you are related to. For some there is a probable name. To achieve this, we looked at all the shared DNA which aligned to the common DNA soup. Given that ever generation, the average length of the DNA is halved, we could align these chunk lengths to a date. It isn't 100% accurate, but if you do this 250 times a picture starts to appear (above table)

So, find your kit # in the above chart and run along the rows. The numbers that you see are the number of DNA chunks which you have in agreement with the Lousada/Barrow DNA soup for that date. The bigger the number the more significant. If you see a high number and then a drop, that suggests you have an ancestor connected to this family around that date. If you have more than one peak, then you probably have more than one common ancestor. The lower the number, the more likely the connection is through a different pathway. Still related, but not close to the main Lousada/Barrow patrilineage.

However, we discovered we could do a lot more. This part just takes a bit more explaining. Instead of looking at all the chunks together, we can actually repeat this for every kit and for every person in the core group. The result looks like the following.

Kit	FF1403486	Possible Date of All Matching DNA																				Possible Date of Common DNA																			
Kit	Name	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
EK4706129	Bob	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AU4685366	Chris Leuzarder Wehmann	0	1	1	2	0	0	4	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
SN3159019	Tim Leuzarder	0	0	0	0	2	1	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
A341472	Jeannine Wegmueller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DX3229164	Lynn	0	0	0	1	0	0	2	0	2	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
EX2753498	[Scott's wife]	0	0	1	0	3	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NB5414371	John Griffiths	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM6017925	Edmund Barrow	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
HA1338695	*M. Waas	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
TF4905650	Julian	1	2	0	1	0	1	3	1	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PK9579087	Mike	0	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

The first set of data ("Possible Date of All Matching DNA") is for all the shared DNA. This includes all non Lousada/Barrow DNA. The set on the right ("Possible Date of Common DNA") is for just the Lousada/Barrow DNA soup. So you can see that this kit has lots of common DNA (left hand chart). But only a few which is common to the Lousada/Barrow. That is to be expected. Digging into it we see that there are 4 common strands of DNA with Chris in 1720 (left data), and 2 of them are common to others as seen on the right hand table. That is a big clue. Further, there are lots of common soup DNA with the other members of the core group. This distribution suggests this person is connected to the Lousada/Barrow DNA Soup, probably through Chris in 1720. Remember, the clock isn't accurate... just an approximate.   But this is not all, there are other peaks with Chris in 1750 and Scott's wife in 1740 which do not appear on the right hand chart. Therefore, these are suggestive of other non-Lousada/Barrow ancestors. Who? We don't know... but the connections look strong.

There is another pattern which appears quite frequently, especially with Lynn. In the next table, you can see strong common DNA with only 1 person on the right chart. This suggests that those chunks are probably non-Lousada/Barrow DNA as there is not that wide distribution in the Lousada/Barrow DNA Soup. About 1/3 of everyone falls into this pattern, and it will take some digging to figure out exactly what this means. It is probably connected to the Levi family, we are just not sure which branch.

Kit	SW1025112	Possible Date of All Matching DNA																				
Kit	**Name**	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
EK4706129	Bob	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
AU4685366	Chris Leuzarder Wehmann	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SN3159019	Tim Leuzarder	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0
A341472	Jeannine Wegmueller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DX3229164	Lynn	0	0	0	2	3	3	7	7	7	2	2	2	1	0	0	0	0	0	0	0
EX2753498	[Scott's wife]	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
NB5414371	John Griffiths	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
AM6017925	Edmund Barrow	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
HA1338695	*M. Waas	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
TF4905650	Julian	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
PK9579087	Mike	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0

Kit	SW1025112	Possible Date of Common DNA																				
Kit	**Name**	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
EK4706129	Bob	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
AU4685366	Chris Leuzarder Wehmann	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SN3159019	Tim Leuzarder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A341472	Jeannine Wegmueller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DX3229164	Lynn	0	0	0	1	1	1	2	2	0	1	0	0	0	0	0	0	0	0	0	0
EX2753498	[Scott's wife]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NB5414371	John Griffiths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM6017925	Edmund Barrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HA1338695	*M. Waas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TF4905650	Julian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PK9579087	Mike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

So, if there are high numbers on the left chart, and the right chart has lots of numbers all over the place, that is a good sign that you are connected to the Lousada/Barrow DNA soup. If the right chart looks very clean.. it is suggestive that the DNA is probably not Lousada/Barrow and is instead directly from one person (and we have a mistake in our chunks)

There are also some patterns which are starting to appear which indicate specific ancestors. In the following chart you can see a high connection to Edmund Barrow in 1750 on the left data-set. However, there is also a broader peak with me in 1710-1720. That latter connectio is likely to be Simon Barrow of Barbados (1709-1801) who both Edmund and I descend from. However, the 1750 peak suggests that this kit is more closely related at that time. Good distribution on the right data indicates this ancestor is part of the Lousada/Barrow DNA soup. Right now we are thinking that this '1750 with Edmund and 1720 with John' is indicative of the ancestor being related to Simon Barrow of Bath's wife (Tryphena Ester Lyon de Symons). Her father, Baron Lyon de Symons, was cousin to Simon Barrow of Barbados. Therefore, the common ancestor maybe more likely be a 'de Symons'.. originating from Barrow.

Kit	M149913	Possible Date of All Matching DNA																				
Kit	**Name**	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
EK4706129	Bob	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0
AU4685366	Chris Leuzarder Wehmann	0	0	0	0	0	0	2	1	1	0	0	3	0	1	0	0	0	0	0	0
SN3159019	Tim Leuzarder	0	0	0	0	1	0	1	1	1	0	2	0	0	1	0	0	0	0	0	0
A341472	Jeannine Wegmueller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DX3229164	Lynn	0	0	0	0	0	0	1	1	2	2	2	0	0	0	0	0	0	0	0	0
EX2753498	[Scott's wife]	0	0	0	0	0	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0
NB5414371	John Griffiths	0	0	0	1	1	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0
AM6017925	Edmund Barrow	0	0	0	0	0	1	1	1	2	5	1	0	0	0	0	0	0	0	0	0
HA1338695	*M. Waas	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0
TF4905650	Julian	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
PK9579087	Mike	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Kit	M149913	Possible Date of Common DNA																				
Kit	**Name**	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850
EK4706129	Bob	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
AU4685366	Chris Leuzarder Wehmann	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SN3159019	Tim Leuzarder	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
A341472	Jeannine Wegmueller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DX3229164	Lynn	0	0	0	0	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0
EX2753498	[Scott's wife]	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
NB5414371	John Griffiths	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AM6017925	Edmund Barrow	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
HA1338695	*M. Waas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TF4905650	Julian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PK9579087	Mike	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Others we have good estimates include:
- Strength with Jeannine, Bob, Chris or Tim around 1720-1740 is suggestive of Jacob Leuzarder who died in New York in 1729.
- A 1700-1720 flag with Scott's Wife is indicative of a Gedalia of Prague connection
- Anything with me around 1710 is likely to be either Simon Barrow of Barbados or a Montefiore connection

We are looking for more of these patterns to try and put more people's names onto paper. On the next page, I have put down my best estimates at the moment. In addition, I am including everyone's charts at attachments. Take a look and see what you can see.

So progress has been made... lots of information has been gleaned. However, we may be looking at the end as this DNA Soup may be impossible to navigate. Just remember, cousins are probably not the best person to procreate with if you care what one of your descendants might do for a hobby almost 300 years later.

Kit	Connection
A075951	Overlapping family. Once in 1750, Once around 1780.
A096108	Overlapping family to the Leuzarders around 1750 and possible to Simon Barrow of Barbados (1709-1801)
A460553	Possible connection to Gedalia of Prague
A574942	Overlapping family.. maybe timed to Gedalia of Prague
A579453	Overlapping family connections 1720-1750. Possible connection to Jacob Leuzarder (-1729)
A706989	Probable connection near to Jacob Leuzarder (-1729)
CB9076529	On Lynn's lineage via second family. Possible connection to Simon Barrow of Bath via mother
CK1224385	On Lynn's lineage, via second family. Strong connection around 1740.
DB5127887	Possible Simon Barrow of Barbados or Montefiore lineage
DB6074075	Very strong alignment to Lynn's lineage. Separated around 1770. Not sure who, second family
DJ1509787	On Lynn's lineage via second family. Connection around 1710
EE4143664	Known connection to John (Daughter).
ER8756286	On Lynn's lineage via a second family.
FF1403486	Possible connection to an overlapping family around 1720. Possible Lousada/Barrow.
FJ2731361	Multiple connections w/Gedalia of Prague being a strong contendor.
FS3717109	On Lynn's lineage, via second family. Strong connection around 1740.
HA5320961	Non-Lousada connection to Lynn around 1730. Possible second connection around 1770
HQ7413779	On Lynn's lineage via a second family.
HZ7839011	Multiple connection likely. Jacob Leuzarder (-1729) and Simon Barrow of Barbados (1709-1801) possible
JS1728479	On Lynn's lineage via a second family. Possible second connection to family.
KY2267188	Lousada/Barrow connection to Lynn around 1740. Not sure who.
LE1260585	Strong alignment to Lynn's lineage until 1780. Probable second connection around 1770.
LK7582655	Lousada/Barrow connection to Lynn around 1760. Not sure who.
M048474	Multiple connections likely. Strong 1760 Lynn connection. Possible 1730 Ed connection
M149913	Very probably connection to Simon Barrow of Bath's parents and possibly Simon Barrow of Barbados (1709-1801)
M286972	Connection to second unknown family around 1780
M870784	1770 connection to Scott's wife is likely non-Barrow/Lousada. Possible Gedalia of Prague connection
M914198	Evidence of connection to Jacob Barrow (son of Simon Barrow of Bath)
M968311	Possible connection to an overlapping family around 1720. Possible Montefiore
NG8990082	On Lynn's lineage via a second family.
PN5754753	On Lynn's lineage via a second family.
PR3635891	On Lynn's lineage via a second family.
RS6301973	On Lynn's lineage via a second family. Possible second connection to family.
RU2143321	On Lynn's lineage via a second family. Possible second connection to family.
SC6640056	Multiple Lousada/Barrow connections around 1710. Possible 2nd family or Jacob Leuzarder (-1729)
SW1025112	On Lynn's lineage via a second family.
T016632	Possible connection to Gedalia of Prague
T103446	Multiple connection likely. Jacob Leuzarder (-1729) and another Lousada possible
T210045	Possible Simon Barrow of Barbados or Montefiore lineage
T284610	Possible Simon Barrow of Barbados or Montefiore lineage
T383870	Multiple connection likely. Jacob Leuzarder (-1729) and another Lousada possible
T406721	Multiple connection likely. Jacob Leuzarder (-1729) and another Lousada possible
T662988	Strong Lousada connection. Possibly Isaac
T730477	Strong Lousada/Leuzarder connection or second overlapping family
T754618	Strong Lousada/Leuzarder connection or second overlapping family
T812262	Possible Simon Barrow of Barbados or Montefiore lineage
T831264	Strong Lousada/Leuzarder connection or second overlapping family
T854367	Strong Lousada/Leuzarder connection or second overlapping family
T969546	Strong Lousada/Leuzarder connection or second overlapping family
TL8916731	Very strong alignment to Lynn's lineage. Separated around 1770. Not sure who, second family
UB8724992	On Lynn's lineage via a second family.
UG4831716	On Lynn's lineage via a second family.
US4831716	[DNA not available]
WJ3527428	On Lynn's lineage via a second family.
XA7289164	On Lynn's lineage via a second family.
XN6491514	On Lynn's lineage via a second family.
YG1820626	On Lynn's lineage via a second family.
ZA6999234	On Lynn's lineage via a second family.
ZM1904913	On Lynn's lineage via a second family.