

Dillman Family Association
Genealogical Conference Aug 2018

Dillman DNA Project

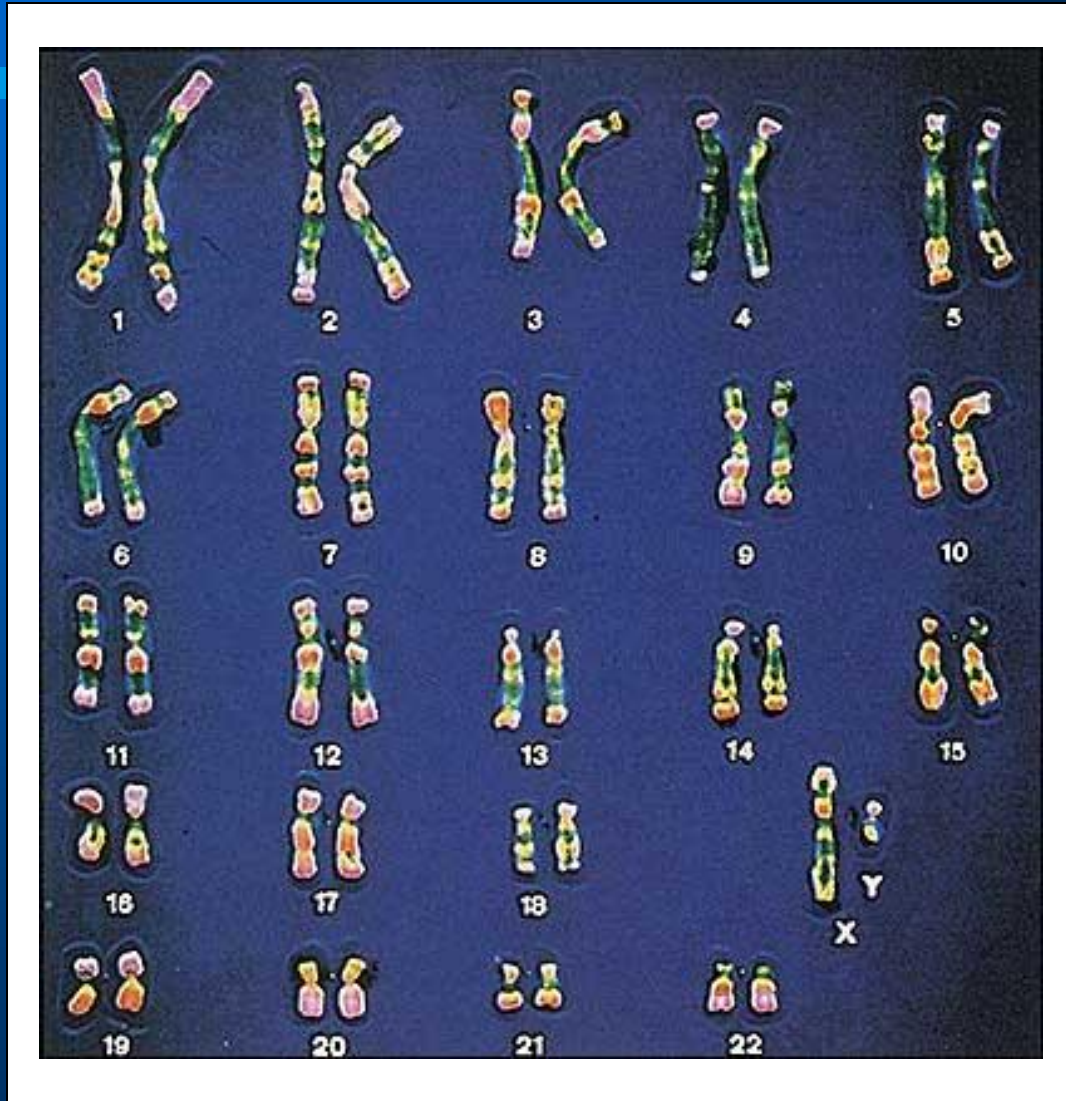
Andrew Stillman, UE

Agenda

- **DNA Review**
- **Updated Results**
- **Recent Events**
- **Conclusions**

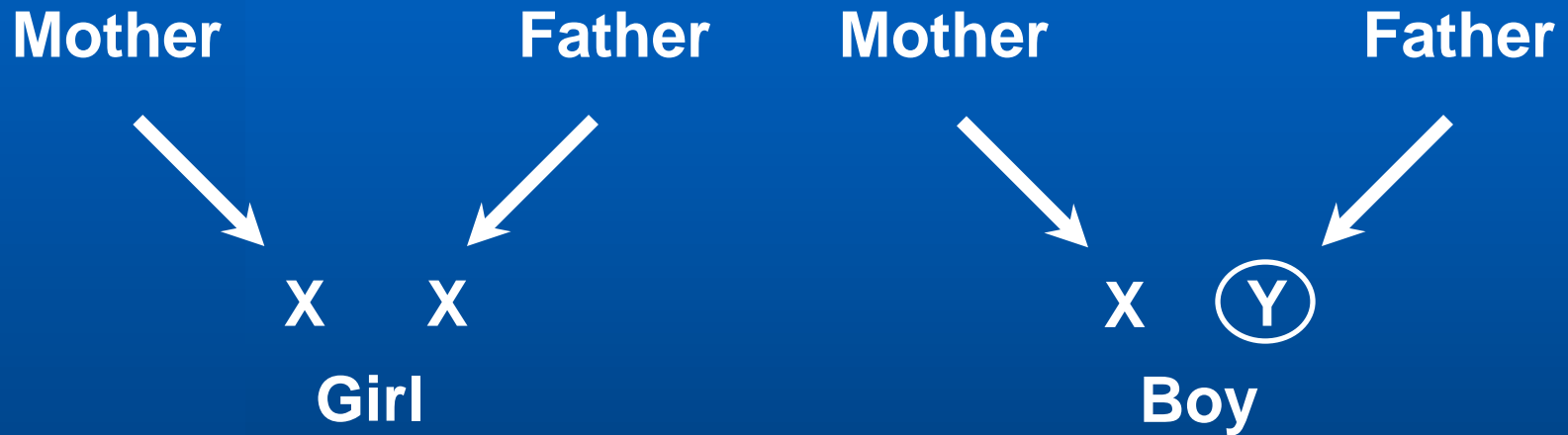


DNA Review





DNA Review



- For genealogy, we focus on the Y-chromosome



DNA Review

Y-Chromosome testing

Mother Father Mother Father Mother Father Mother Father



Mother

Father

Mother

Father



Mother

Father

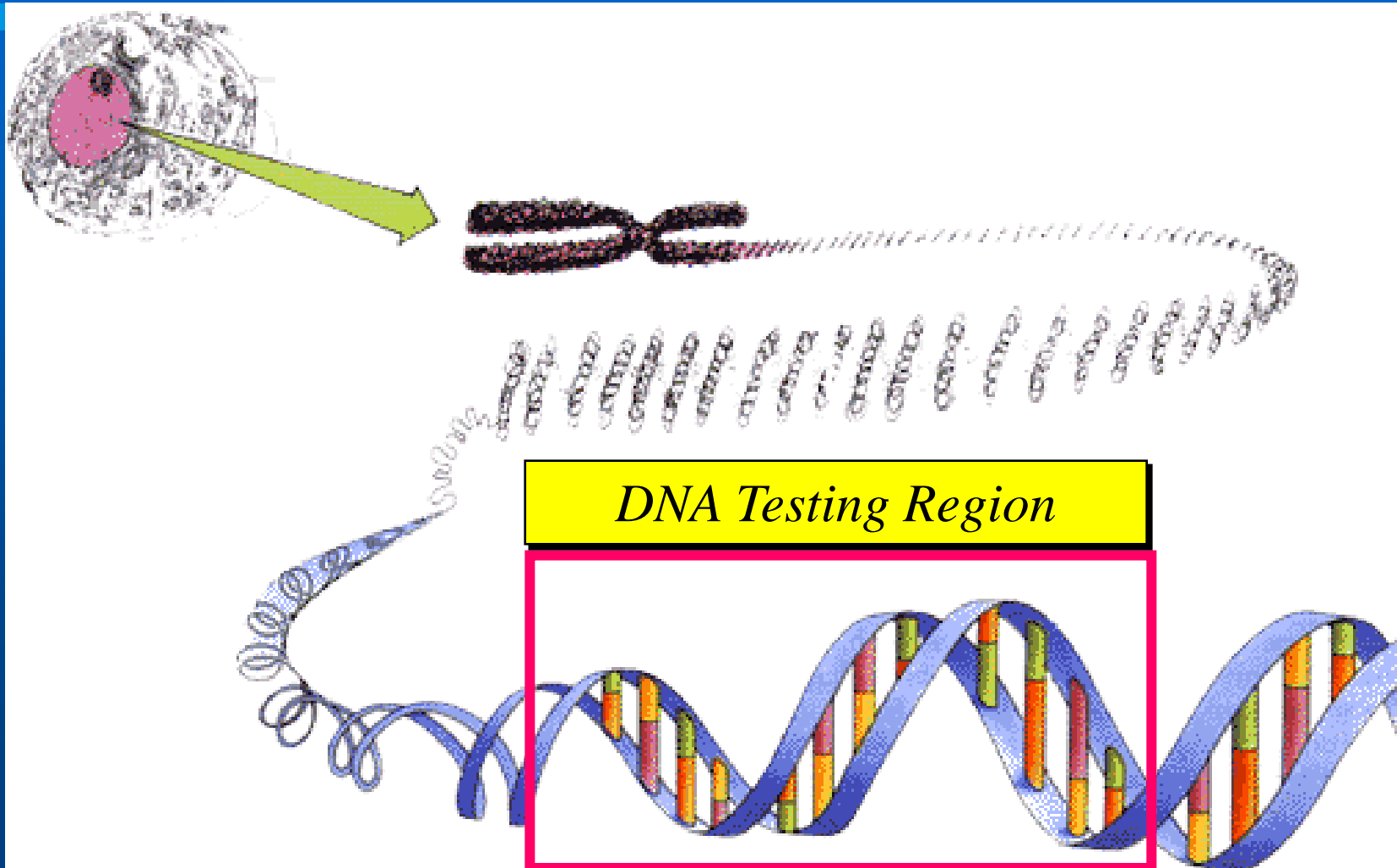


X (Y)

Boy



DNA Review

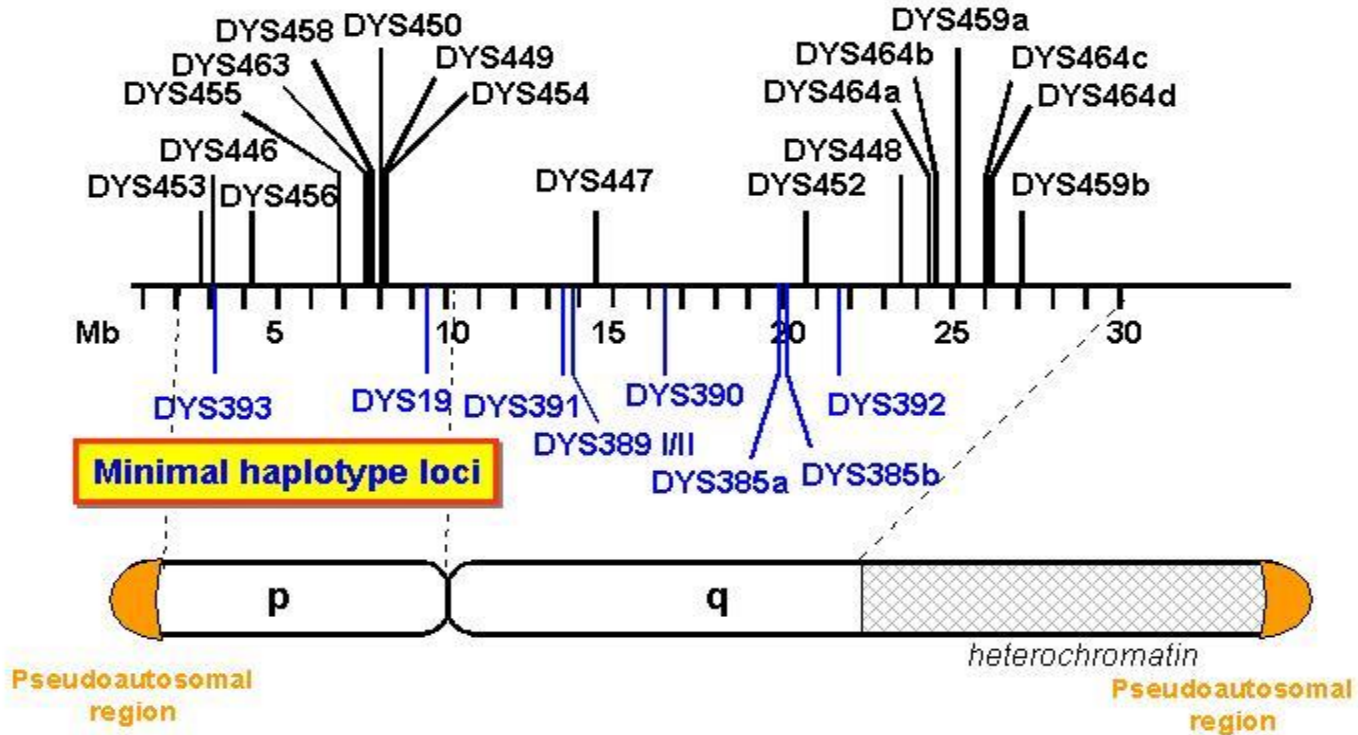




DNA Review

Y STR Positions along Y Chromosome

New Y STRs from Mike Hammer's group





DNA Review

**Marker Values – number of repeated patterns,
i.e. 'TCTA'**

	1	2	3	4	5	6	7	8	9	
CTGTCTG	TCTA	TCTA	TCTA	TCTA	TCTA	TCTA	TCTA	TCTA	TCTA	TCTGCC

**If this were a marker, it would have a value of
'9'.**



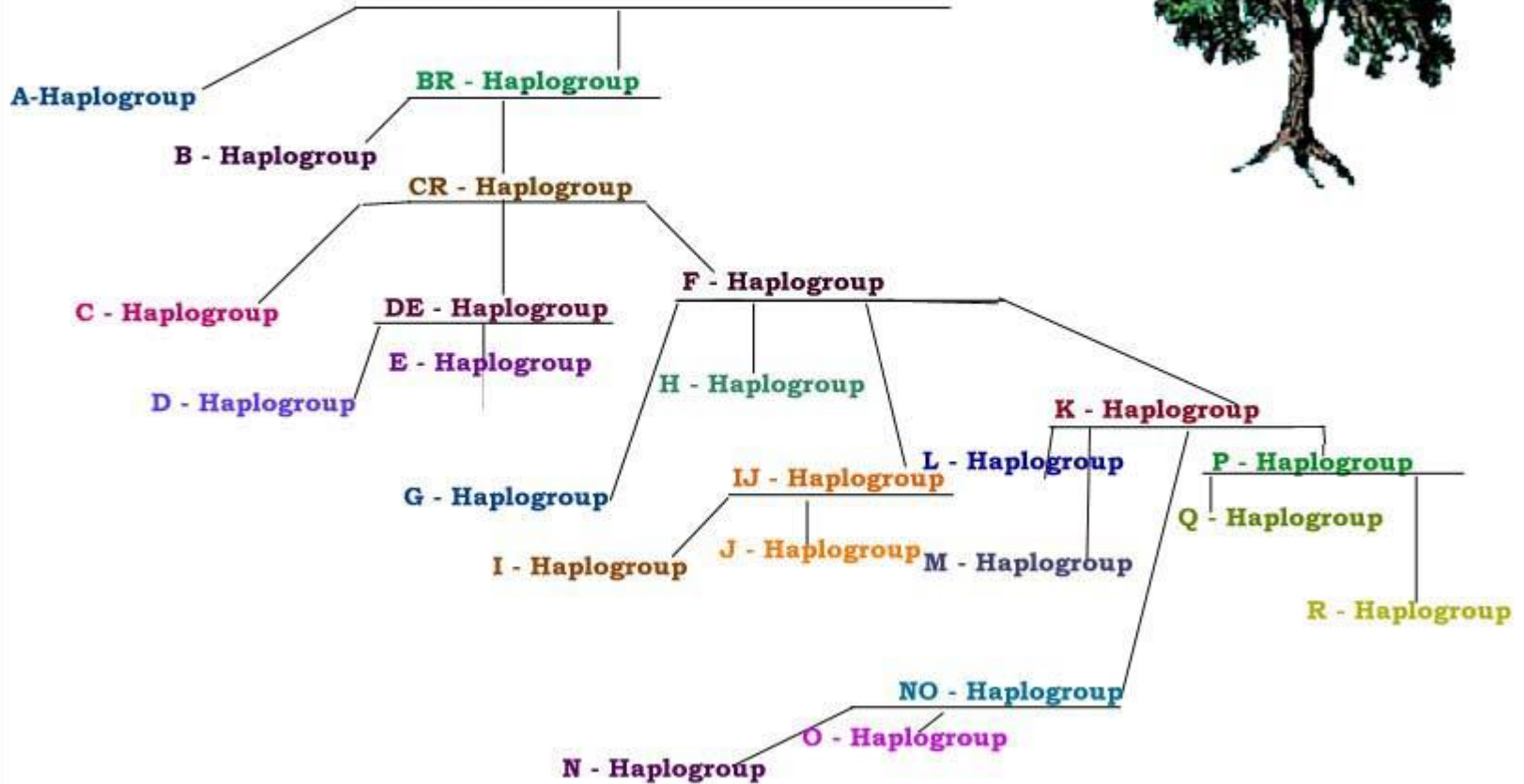
DNA Review

Haplotype – set of marker results for an individual
(mutation = diff. number of repeats)

Haplogroup – collection of related haplotypes sharing a specific mutation
(mutation = diff. letter - 'A','C','G','T')

Mutation – an inheritable change in DNA sequence – a variance from the ancestral value

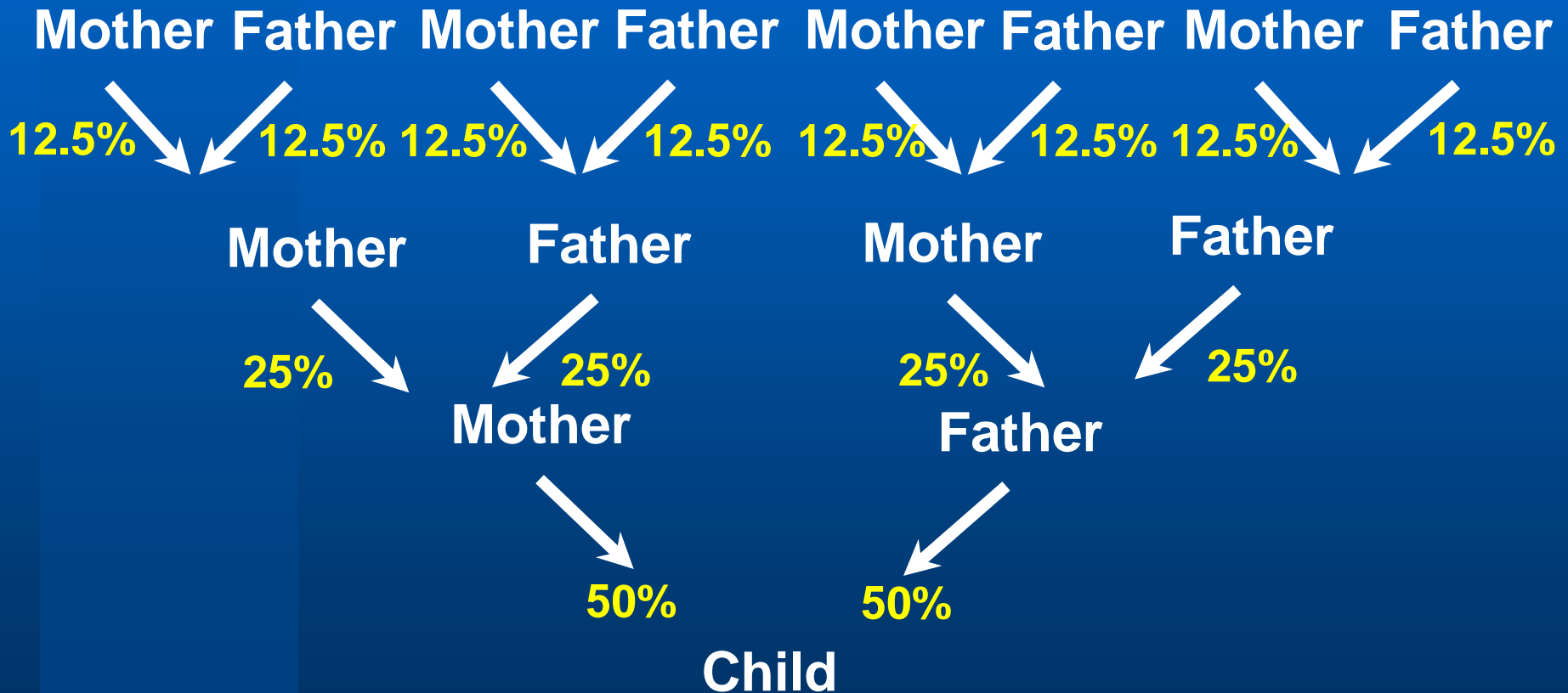
**Y chromosome Adam
who belonged to an unknown haplogroup
(Sometimes called Y for Y chromosome)**



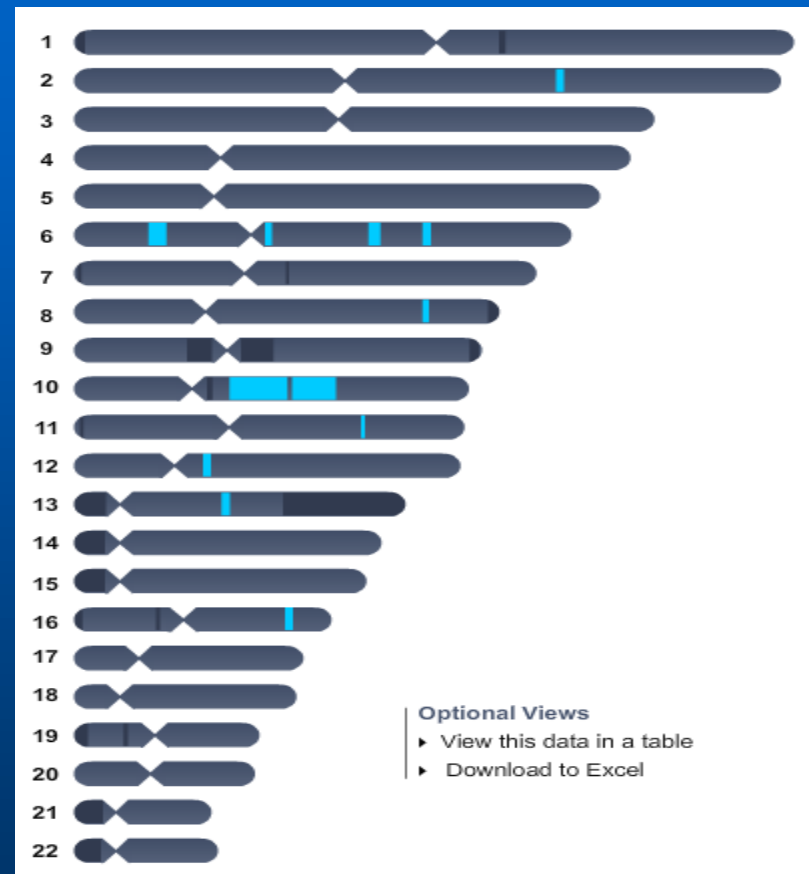
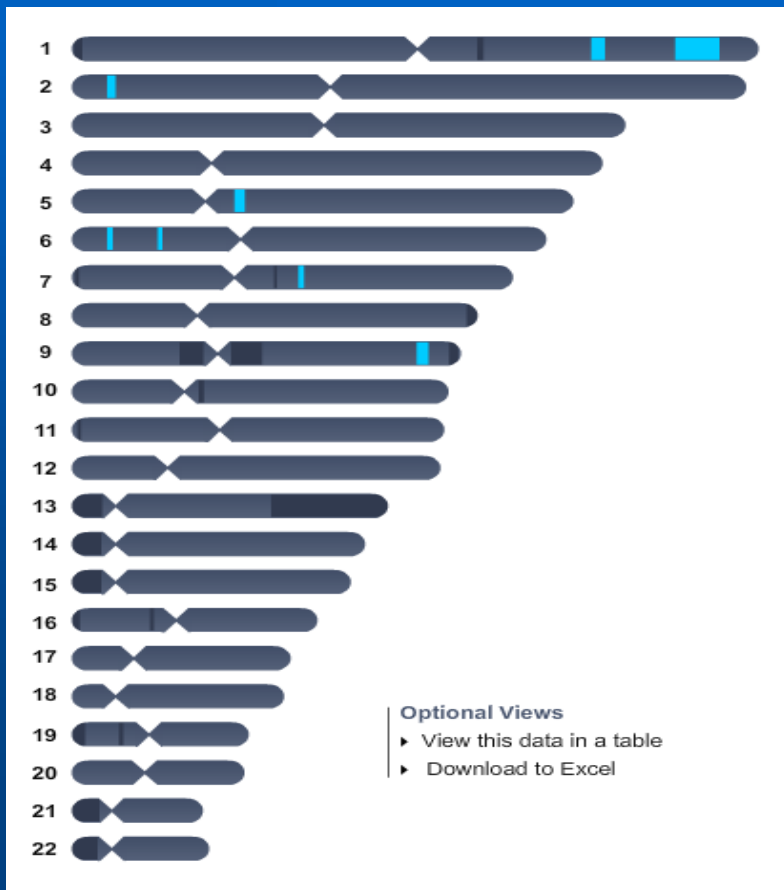
Haplogroup Frequency (Europe)

- R – 55% + (R1a + R1b)
- I – 18% (higher in Nordic countries)
- J – 10%
- T – 2%
- G – 1-2%
- E, N, O, H

Family Finder Test



Family Finder Test



Updated Results

- **August 2014**

- 51 Y-dna participants; 4 German; 9 mtdna participants
- 16 distinct families
- Group 16 – ancestry from Kapsweyer, Germany.

- **August 2018**

- Access to 67 sets of test results
- 56 Y-dna participants; (4 German, 1 Swedish); 8 mtdna participants (male)
- 5 non-Dillman surname carrying males (autosomal)
- 18 Family Finder tests
- 5 females (mtdna/autosomal)
- 17 distinct families
- Ungrouped with links to at least 2 families

Recent Events in Genetic Genealogy

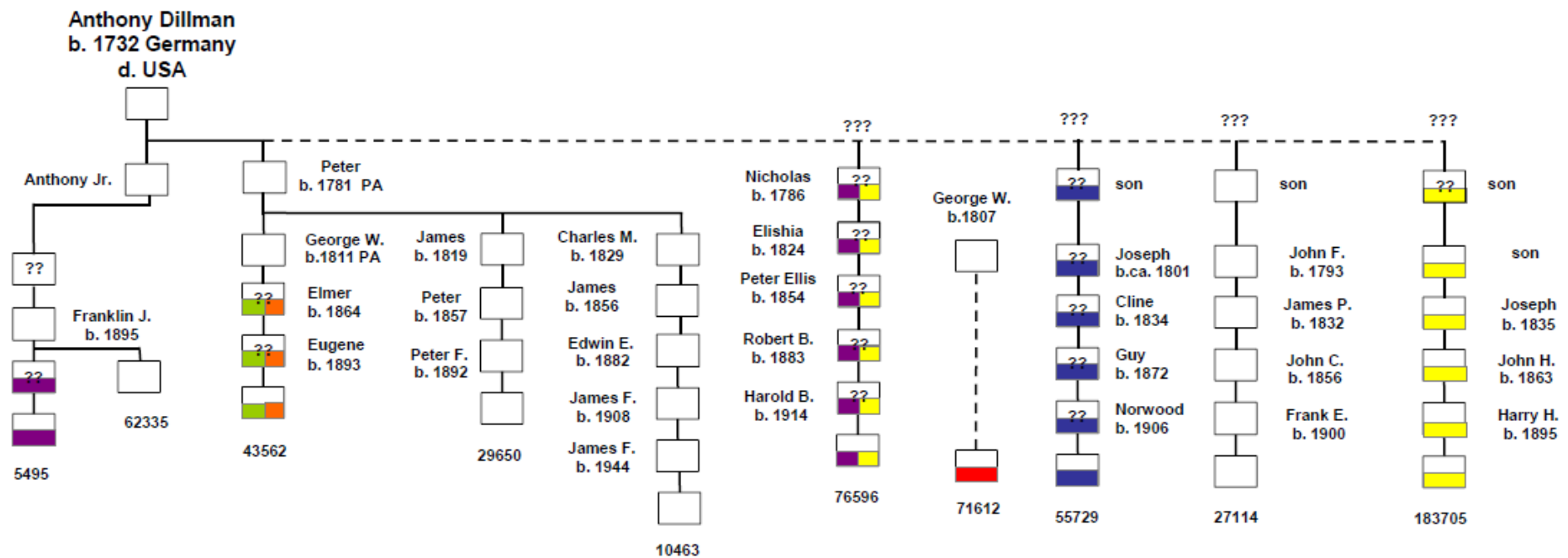
- 10,073 surname/geographic projects
- 680,000 Y-DNA test participants (+34% from 2014)
 - 179,200 67 marker tests (+210% from 2014)
- 309,900 mtDNA test participants (+173%)
 - 148,700 Full Genome (+372%)
- Family Finder – autosomal – 22 ½ chromosomes
- Test individual SNPs – Guild of One Name Studies
- Walk Through The Y (WTTY) – entire Y chromosome
 - Big Y 500

GDPR Impact

- European Union Privacy regulatory framework
- General Data Protection Regulation – May 25, 2018
 - Right to be Forgotten
 - Any European citizen can request any company/organization to share with them all the data held on them.
 - Can request removal of all personal information on them from the organization's systems/databases.
- ☞ Personal data is any information relating to an identified or identifiable natural person ('data subject'); such as a name, an identification number, location data, an online identifier, or factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that person.
- ☞ Limited purpose: personal data should be collected for specified, explicit and legitimate purposes and not further processed in a manner that is incompatible with those purposes

HAP:
R-M269

Possible family tree for Group 1



MUTATIONS

576	- 19 -		CDY-b	- 37 -	
449	- 29 -		GATAH4	- 10 -	
460	- 10 -				
442	- 11 -				

?? – origin of mutation is unclear
 n/a – indicates that 37 marker test results are pending
 ??? – indicates that the farthest ancestor for that participant has not yet been connected to the common tree

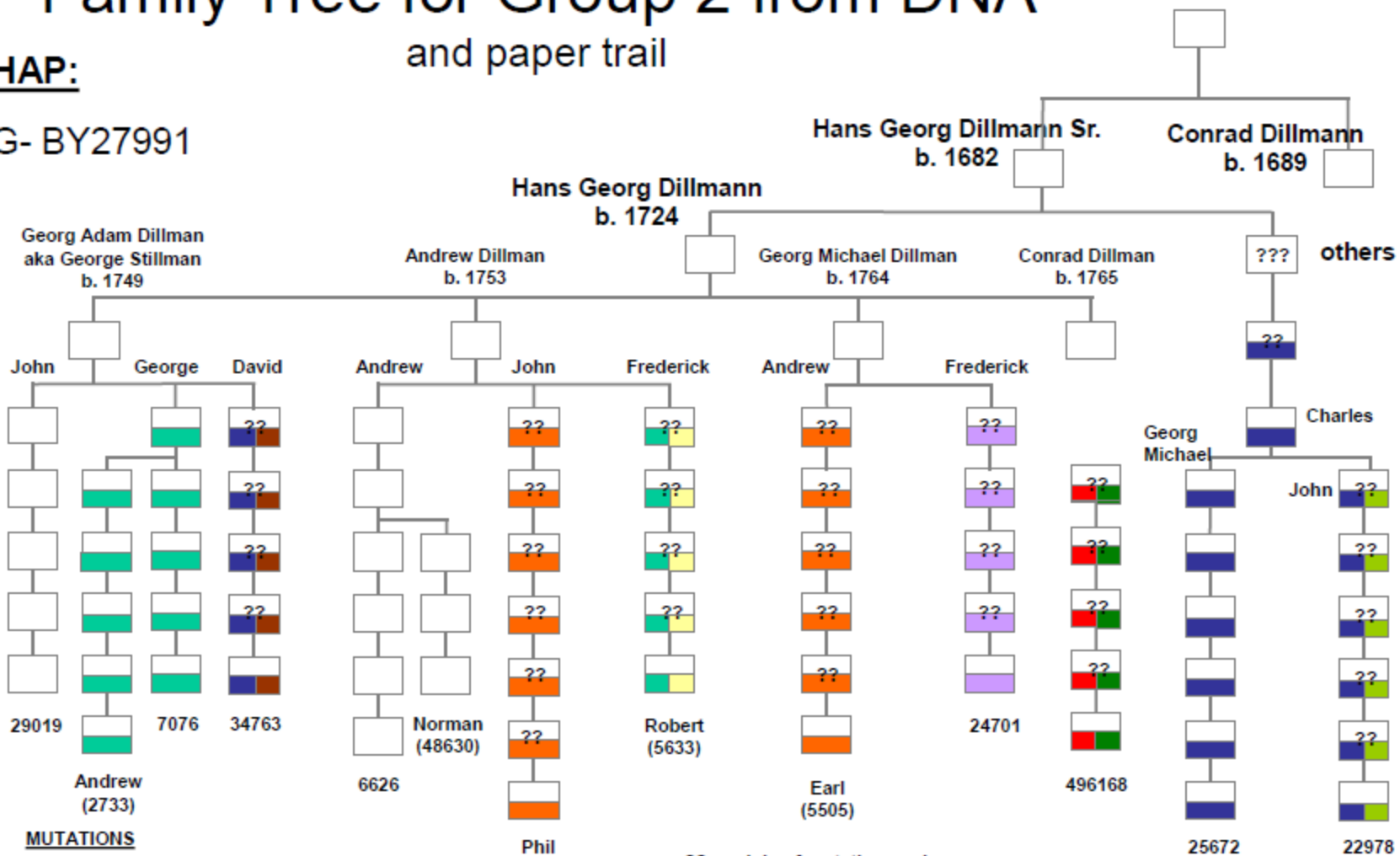
Family Tree for Group 2 from DNA

and paper trail

HAP:

G- BY27991

Conrad Dillmann



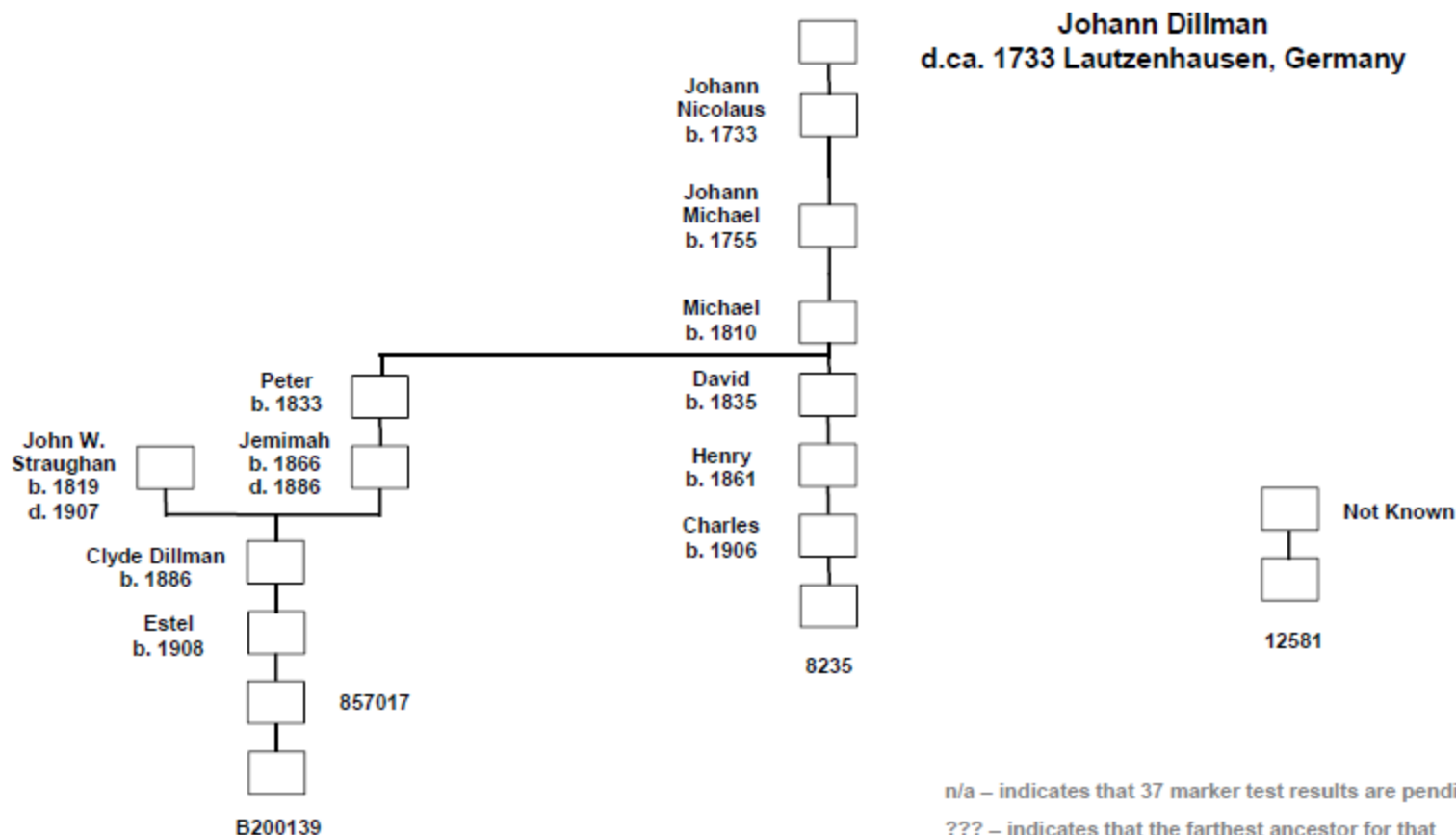
MUTATIONS

- CDY - b - 38 - CDY - a - 37 -
- CDY - b - 36 - CDY - a - 35 -
- 576 - 17 - 458 - 15 -
- 576 - 15 - 464 - 11 - Y-GATA-H4- 11 -

?? - origin of mutation unclear
 n/a - indicates that 37 marker test results are pending
 ??? - indicates that the farthest ancestor for that participant has not yet been connected to the common tree

HAP:
T-M70
(R-M269)

Family tree from paper trail for Group 5



n/a – indicates that 37 marker test results are pending
??? – indicates that the farthest ancestor for that
participant has not yet been connected to the
common tree

Family Finder Test Matches

dillman



Advanced Search

Chromosome Browser

In Common With

Not In Common With

Reset Filter

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Go

All (5)

Paternal (0)

Maternal (0)

Both (0)

	Name	Match Date	Relationship Range	Shared Centimorgans	Longest Block	X-Match	Linked Relationship	Ancestral Surnames
<input type="checkbox"/>	 Daniel Dillman ✉ 📄 👤	07/02/2018	Father/ Son	3,384	267			Austin / Ashley / Adams / Allen / Batman / Blake / Belknap / Chapin /
<input type="checkbox"/>	 Lisa Dillman Wright ✉ 📄 👤	07/02/2018	1st Cousin - 2nd Cousin	565	119			
<input type="checkbox"/>	 Ms. Duncan Kuehn ✉ 📄 👤	07/02/2018	2nd Cousin - 4th Cousin	52	26			Dillman (Ohio) / Atkinson (New Jersey) / Cornelison (New Jersey, North Carolina,
<input type="checkbox"/>	 Delories White Clark ✉ 📄 👤	07/02/2018	3rd Cousin - 5th Cousin	51	15			Ashley / Allen / ALLEN / BLAKE / sr / Blake / BLAKE / BLAKE / Jr / DAY /
<input type="checkbox"/>	 David Eric Dillman ✉ 📄 👤	07/02/2018	3rd Cousin - 5th Cousin	40	13			Dillman (MO, LA) / Day / Elliot / Fuller / Parish / Smith / Unknown / White /






















Family Finder Test Matches

Advanced Search

Chromosome Browser In Common With Not In Common With Reset Filter

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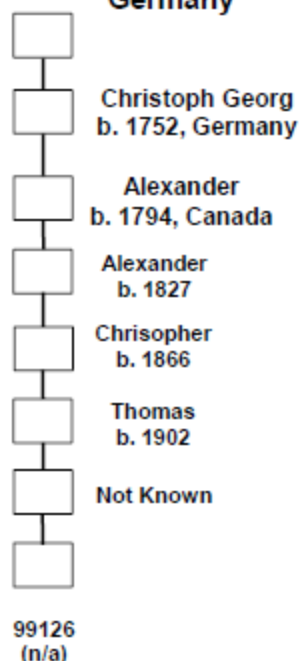
All (4) Paternal (3) Maternal (1) Both (0)

Name	Match Date	Relationship Range	Shared Centimorgans	Longest Block	X-Match	Linked Relationship	Ancestral Surnames
<input type="checkbox"/>  Mr. Dana Dillman    	07/02/2018	Father/ Son	3,384	267		Father	Austin / Ashley / Adams / Allen / Batman / Blake / Belknap / Chapin /
<input type="checkbox"/>  Eva L Dillman    	10/07/2017	Mother/ Daughter	3,383	267	X-Match	Mother	Beasley / Booker / Booker (Louisiana) / Butcher / Brown / Bryant / Cobb / Cobb
<input type="checkbox"/>  Lisa Dillman Wright    	07/18/2017	1st Cousin - 3rd Cousin	341	119		2nd Cousin	
<input type="checkbox"/>  David Eric Dillman    	07/18/2017	3rd Cousin - 5th Cousin	35	13			Dillman (MO, LA) / Brown / Browne / Brushett / Bryant / Chillingsworth /

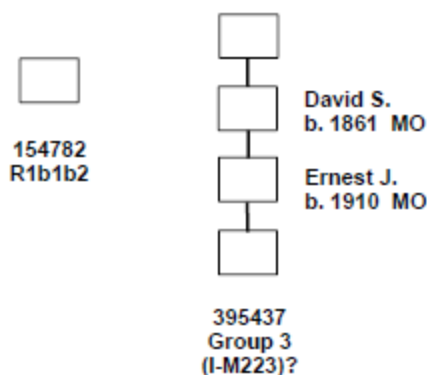
HAP:
R1b1 /
R1b1b2

Ungrouped R1b

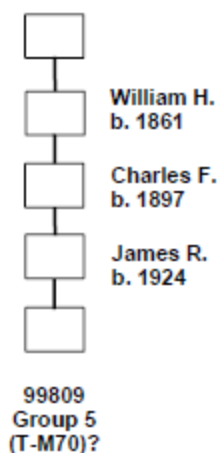
Johann Christof Diellman
b. 1710, Langenschwalbach,
Germany



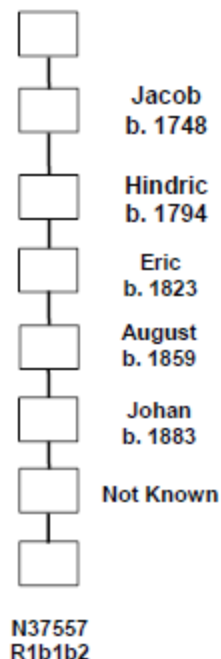
George W. Dillman
b. 1841 MO



Henry Dillman
b. 1833 LA, USA



Jacob Tillman
b. 1702, Sweden



n/a – indicates that 37 marker test results are pending
??? – indicates that the farthest ancestor for that
participant has not yet been connected to the
common tree

Conclusions

- **Family Finder test becoming more important in determining connections**
- **Follow up on matches**
- **Ambassadors for the DFA**

DFA Genealogical Conference Aug 2018