

# IT Roadmap 2010

Presented by: EDG

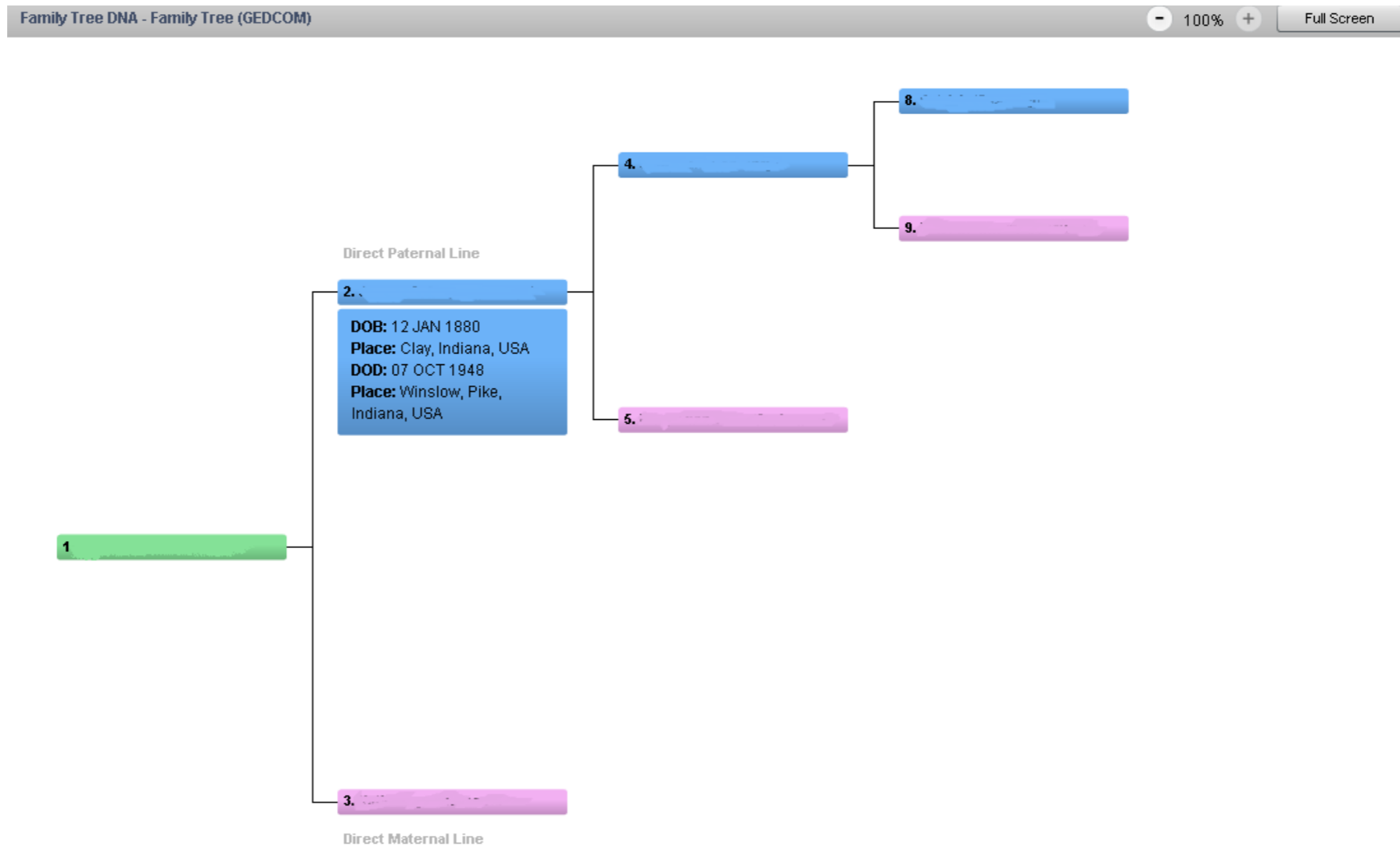
# Year In Review

## Family Finder – March 2010

- Massive undertaking from IT infrastructure standpoint
- Proprietary computer cluster
- Currently processed total:
  - ~250 terabytes for matching
  - ~65.5 Million Songs
  - ~350,000 CD's
- Equates to ~1 TB/hour per run
- 3.5 billion segments detected
- Potentially reach 3.8 petabytes for matching by 2011 with current growth rate

# Year In Review

- GEDCOM Viewer – Old Version



# Year In Review

- GEDCOM Viewer – New Version

My FTDNA - Family Tree Browser

Family Tree for Elliott Daniel Greenspan

Move your mouse over a name to see birth and death details, if available. Individuals known to be born in or after 1905 are hidden for privacy unless the GEDCOM owner specified otherwise.

Reset Tree to Original View

View:  
 Paternal Tree  Maternal Tree  
 Direct Line Only

Levels 4  Search Names

```
graph TD; N1[1. HIDDEN] --- N2[2. HIDDEN]; N1 --- N3[3. HIDDEN]; N2 --- N4[4. HIDDEN]; N2 --- N5[5. HIDDEN]; N4 --- N8[8. Abraham Greenspan]; N4 --- N9[9. Malvina Newman]; N5 --- N10[10. Ben Garrop]; N5 --- N11[11. Anna Nitz]; N3 --- N6[6. HIDDEN]; N3 --- N7[7. HIDDEN]; N6 --- N12[12. Ignatz (Yitzhak Jacob) Weisz]; N6 --- N13[13. Rosa Braun]; N7 --- N14[14. Benjamin Schonfeld]; N7 --- N15[15. Scheindel (Jenka) Brand];
```

# Year In Review

## GAP 2.0 – October 2010

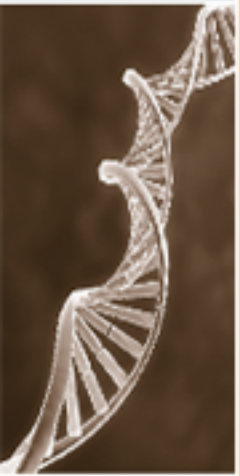
- Launch this week
- Beta testing was major help and greatly appreciated
- Features
  - Single sign-on via personal usernames
  - Per group email addresses
  - New reports and charts
  - Filtering data

# Year In Review

## GAP 2.0 – Y-DNA Report Format

- Current Format –
  - DYS393,DYS390,DYS391,DYS426,DYS385a,DYS385b,DYS446,DYS413a,DYS413b,DYS413c
- Science discovers DYS385c and DYS413d
- Possible solutions
  - DYS393,DYS390,DYS391,DYS426,DYS385a,DYS385b,DYS385c,DYS446,DYS413a,DYS413b,DYS413c,DYS413d
    - All systems require upgrades.
  - DYS393,DYS390,DYS391,DYS426,DYS385,DYS446,DYS413
    - All systems require upgrades.

# Year In Review



◇	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	DYS393	DYS390	DYS391	DYS426	DYS385a	DYS385b	DYS446	DYS413a	DYS413b	DYS413c				
2	12	24	14	10	15	18	12	12	13	14				
3														
4	DYS393	DYS390	DYS391	DYS426	DYS385a	DYS385b	DYS385c	DYS446	DYS413a	DYS413b	DYS413c	DYS413d		
5	12	24	14	10	15	18	19	12	12	13	14	15		
6														
7	DYS393	DYS390	DYS391	DYS426	DYS385	DYS446	DYS413							
8	12	24	14	10	15-18-19	12	12-13-14-15							

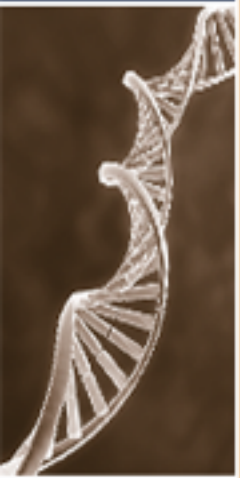
# Year In Review

## GAP 2.0 – Y-DNA Report Format

- Science discovers DYS385d and DYS446b
- Possible solutions (cont.)
  - DYS393,DYS390,DYS391,DYS426,DYS385a,DYS385b,DYS385c,DYS385d,DYS446a,DYS446b,DYS413a,DYS413b,DYS413c,DYS413d
    - All systems require upgrades (once again).
  - DYS393,DYS390,DYS391,DYS426,DYS385,DYS446,DYS413
    - No system changes required (after the first time).



# Year In Review



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	DYS393, 390, 391, 426, 385a, 385b, 446, 413a, 13b, 13c													
2	12	24	14	10	15	18	12	12	13	14				
3														
4	DYS393, 390, 391, 426, 385a, 385b, 385c, 446, 413a, 13b, 13c, 13d													
5	12	24	14	10	15	18	19	12	12	13	14	15		
6														
7	DYS393, 390, 391, 426, 385, 446, 413													
8	12	24	14	10	15-18-19	12	12-13-14-15							
9														
10	DYS393, 390, 391, 426, 385a, 385b, 385c, 385d, 446a, 446b, 413a, 13b, 13c, 13d													
11	12	24	14	10	15	18	19	19	12	13	12	13	14	15
12														
13	DYS393, 390, 391, 426, 385, 446, 413													
14	12	24	14	10	15-18-19-19	12-13	12-13-14-15							

# Looking Ahead

## GAP 2.1 – Spring 2011

- Your suggestions are welcome through the FEEDBACK link
  - ALL suggestions are read by an IT staff member to assess feasibility
- Potential features – Your suggestions
  - FAVORITES tab for links to most used pages
  - Default to project from last login
  - Ability to order subgroups
  - Add Deep Clade charts to public website
  - Advanced marker chart

# Looking Ahead

## Micro Alleles & Palindromic Markers – Spring 2011

- Micro Alleles

- Provide higher resolution
- Effectively act as new data points

- Palindromic Markers

- Using all available data points
- More accurate matching and genetic distance
- Solves DYS425 issue; comparing 12 to NULL will equal 1

- New Markers

# Looking Ahead

## My FTDNA 2.0 – Spring 2011

- Similar to GAP 2.0 in look and goals
  - Larger content area by using top navigation bar
    - Chromosome browser
    - Haplotree
    - My Maps
  - New reports
    - Detailed lab process reporting

## Welcome to your Family Tree DNA personal page!

[Print This Page](#) [A](#) [A](#) [A](#)

 Recommend  Daniel Castro Jr., Erik Barron and 406 others recommend this.

### Family Finder

A single line can be traced clearly using the Y-chromosome or mtDNA but that has always left some lineages untraceable.

**Today that game changes forever.**



### My Account



#### Message From Family Tree DNA!

We've upgraded our GEDCOM viewer engine. Please make sure you've uploaded your most current and complete GEDCOM files.

[Please click here](#) to view the upload page.

- **CONTACT INFORMATION:** Update your contact information. [Click here...](#)
- **USER PREFERENCES:** Set your account options. [Click here...](#)
- **ORDER TESTS & UPGRADES:** Order additional tests. [Click here...](#)
- **JOIN PROJECTS:** Find and join lineage, geographical, and haplogroup projects. [Click here...](#)
- **RELEASE FORM:** View and electronically sign the release form to allow Family Tree DNA to perform matching. [Click here...](#)

### Family Finder

- **MATCHES:** View your Family Finder Matches. [Click here...](#)
- **CHROMOSOME BROWSER:** View your Family Finder Matches and compare people at the Chromosomal level. [Click here...](#)
- **DOWNLOAD RAW DATA:** This page contains links to download your various result files. Files provided in CSV format can be viewed using Microsoft Excel or other compatible spreadsheet software. Documents in PDF format require Adobe Acrobat Reader to view or print. [Click here...](#)

### Y-DNA Results

- **MATCHES:** If you returned your signed release form, you may view your Y-DNA test matches in the Family Tree DNA customer database. The contact names and email addresses for close and exact matches are provided. [Click here...](#)

### Order Progress & History

- ▼ **Y-DNA 37 Upgrade - 9/12/2010**
  - DNA swabs in lab - 9/13/2010
  - Testing in progress
  - Testing complete
- ▼ **Family Finder Test - 9/12/2009**
  - DNA swabs in lab - 9/20/2009
  - Testing in progress - 9/25/2009
  - Testing complete - 9/30/2009
  - [Click Here to View Your Results](#)
- ▶ **Y-DNA 12 Test - 7/12/2009**

### FTDNA News & Info

- ▶ **Family Finder Test Now available - 9/12/2010**

# Looking Ahead

## My FTDNA 2.0 – Spring 2011

- Y-DNA Matching Advanced View
  - Group matches by name
  - Show most relevant information
    - Markers tested
    - E-mail address
    - TiP report
    - GEDCOM
  - Advanced filtering



### My Matches Advanced View

[+ Page Help](#) | [Feedback](#) | [A](#) | [A](#) | [A](#) | [Refer Friends & Family](#)

Group 2		<a href="#">Understanding Matches</a>				<a href="#">Using This Table</a>	
Name	12	25	37	67	Email Address	Tip	FT
<b>NEW</b> Elliott Daniel Greenspan	0	0	0	0			
Mr. Thomas Tenorio	0	0	x	x			
Justo Torre Leon-Guerrero	0	1	x	x			
John Daniel Sharer	0	x	x	x			
Ludwig Mosberg	0	2	3	-			
Jeremy Stewart Paulson	0	0	0	2			
Stephen Jordan	0	x	x	-			
Mark Howard Kruger	0	x	x	x			
Dr. Samuel Gelfand	0	0	0	-			
Mr. Harvey A Pines	0	x	x	x			
Mr. Neil Mark Scheff	0	x	x	-			
Dr. Richard Ira Ruth	0	x	x	-			
Marvin L. Harold	0	0	0	-			
<b>NEW</b> Mr. Lawrence Gale Rose	0	x	x	x			
Mr. Gregory Ioffe	0	x	x	x			
Mr. Lawrence Dick	0	x	x	x			
Dr. Rael Nidess M.D.	0	x	x	x			
Manuel Tenorio	0	0	x	x			
Dr. Steven N Morrison	0	0	x	-			

**Total Matches: 33**

Filter By Steps: ... | ... | ... | ... | [Clear Filters](#)

File Export: [Export CSV File](#) | [Export HTML File](#)

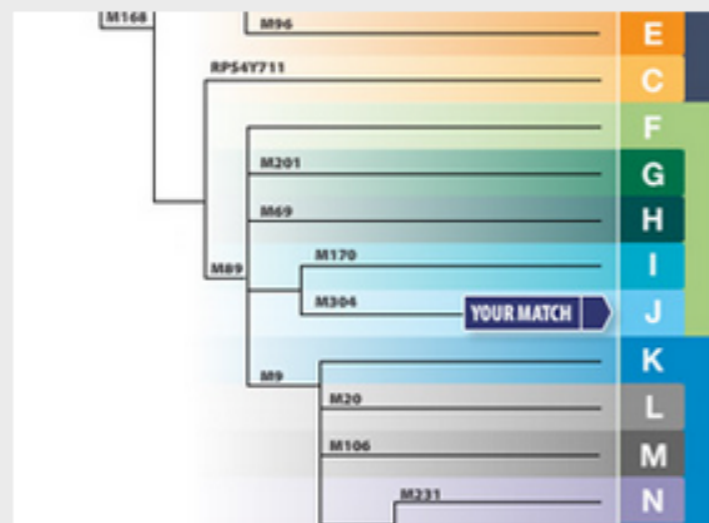
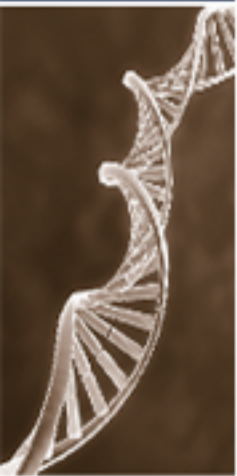
Show Colors

- Calculate Genetic Distance | - View Family Tree (GEDCOM) | **NEW** - Indicates a new match added to our database since your last login

# Looking Ahead

- My FTDNA 2.0 – Spring 2011
- Section landing pages
  - Allows for a better learning experience
  - A seamless transition for new customers to their results





### Y-DNA Resources

- [Y-DNA FAQ](#)
- [Understanding your DYS results](#)
- [Understanding Haplogroups](#)

## Y-DNA Home

[Feedback](#)
[A](#)
[A](#)
[A](#)
[Refer Friends & Family](#)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse orci nibh, ultricies in, pulvinar a, faucibus id, tortor. Ut interdum ante eget eros. Nulla facilisi. Vestibulum euismod leo id orci. Phasellus eu lectus in ligula volutpat pretium. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Etiam neque. Fusce sem enim, volutpat ut, fermentum rutrum, tempus sed, eros. Vestibulum ornare nibh et sem. Pellentesque tortor. Aenean erat ipsum, venenatis quis, lobortis vitae, ullamcorper vel, erat. Praesent gravida nunc nec lorem. Sed tincidunt elit vitae magna. Pellentesque sit amet lorem. Nunc sem. Integer at eros. Maecenas blandit, nunc a pellentesque sodales, libero quam adipiscing nunc, egestas cursus leo eros at velit.

## Pages

- [MY MATCHES CLASSIC](#): If you returned your signed release form, you may view your mtDNA test matches in the Family Tree DNA customer database. The contact names and email addresses for matches are provided.
- [MY MATCHES ADVANCED](#): If you returned your signed release form, you may view your mtDNA test matches in the Family Tree DNA customer database. The contact names and email addresses for matches are provided.
- [INTERACTIVE HAPLOTREE](#): Explore your y-chromosome's history using the Haplotree tools. Haplogroups are branches of our shared ancestral tree. The haplogroup database compares your sample against the Family Tree DNA database of 44,570 samples from around the world. View our haplogroup tree and discover your branch. Investigate interactive maps that show the migration paths and distribution of your haplogroup.
- [RECENT ANCESTRAL ORIGINS](#): See your matches in our Recent Ancestral Origins, RAO, database. Your Y-DNA test results are matched to entries from 166 countries. Information includes country of origin, sample size for each country, and the number of matches to your results in each country. There are currently 177,809 samples in the database. This represents 35,592 unique twelve marker haplotypes, 64,434 unique twenty-five marker haplotypes, and 73,227 unique thirty-seven marker haplotypes. Please check back often for updates.
- [DYS VALUES](#): View the results of your Y-DNA tests.
- [DOWNLOAD YOUR CERTIFICATE & RESULTS](#): Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse orci nibh, ultricies in, pulvinar a, faucibus id, tortor.

# Looking Ahead

## My FTDNA 2.0 – Spring 2011

- Customer Profiles
  - Social networking model
  - See the profiles of your matches
    - Consolidate most relevant information
    - Reduce email correspondence with false positives

## John Doe's Profile

### Contact Information



+Large Photo

**About Me:** Dedicated Genealogist of 20 years. Interested in DNA Testing for Genealogy and Anthropology

### Matches



**Niall Of The  
Nine Hostages**

You Match Niall Of The Nine Hostages.  
[Click here for more information](#)

### Haplogroups

**Y-DNA:** Confirmed - J1e, P58+  
**mtDNA:** Confirmed - H

### Surnames

Doe (Ukrain), Adear (Ukrain), Afemaledear (Poland)

[View My Family Tree](#)

### Most Distant Known Relative

**Paternal:** Issac Greenspahn B ? 1860  
**Maternal:** Rosa Podolsky B 1854-D 1912 Podolsk

Whats the likelihood of finding a match using Family Finder?

Download Your Family Finder Results

Profile
close

Hide 3rd Party

		KNOWN GENEALOGY			
Longest Block	Known Relationship	Ancestral Surnames <small>(Bolded names match your surnames)</small>			
142.23	<a href="#">Assign</a>	<b>Borchonoysky</b> <b>Garrop</b> <b>Gorobzoff</b> <b>Nitz</b> <b>Podolsky</b>			
142.23	<a href="#">Assign</a>	<b>Borchonoysky</b> Brand <b>Braun</b> <b>Garrop</b> <b>Gorobzoff</b>		<input type="button" value="⋮"/>	
130.26	<a href="#">Assign</a>	<b>Braun</b> <b>Greenspan</b> <b>Harris</b> <b>Klein</b> <b>Newman</b>		<input type="button" value="⋮"/>	
		<b>Greenspan</b> Levin <b>Klein</b> <b>Schonwetter (Galicia)</b> <b>Newman</b>			
		Donlicoff Matusevich <b>Nitz</b>			

**Filter Match**

Show All

Profile
close

Hide 3rd Party

**John Doe's Profile**

**Contact Information**

**Address:** 1234 Here Street  
There, TX 77000

**Phone:** 123-456-7890

**Email:** [myemail@address.com](mailto:myemail@address.com)

**About Me:** Dedicated Genealogist of 20 years. Interested in DNA Testing for Genealogy and Anthropology

**Matches**

**Niall Of The Nine Hostages**

You Match Niall Of The Nine Hostages.  
[Click here for more information](#)

**Haplogroups**

**Y-DNA:** Confirmed - J1e, P58+

**mtDNA:** Confirmed - H

**Surnames**

Doe (Ukrain), Adear (Ukrain), Afemaledear (Poland)

[View My Family Tree](#)

**Most Distant Known Relative**

**Paternal:** Issac Greenspahn B ? 1860

**Maternal:** Rosa Podolsky B 1854-D 1912 Podolsk

Ros  
[Profile](#)

Ellic Gre  
[Profile](#)

Lor  
[Profile](#)

**Steven Lewis Levin**

[Profile](#)

	1st Cousin	1st Cousin, Aunt/Uncle, Niece/Nephew	843.44	67.44	<a href="#">Assign</a>
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**Alicia Rabinovich**

[Profile](#)

	2nd Cousin	2nd Cousin - 3rd Cousin	223.75	28.46	<a href="#">Assign</a>
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# The End

## Beyond 2011

- As science changes, we must change to remain relevant and accurate
- Expect change
- Embrace change
- And remember everything we do, we do for you

# The End

For all the IT people here, here is a like joke

Q & A

```
while ( presentation.length < max_presentation_length)
{
    me.answer( audience[ Math.random() * audience.length].question );
}

me.say( audience, "Thank you." );

me.exit();
```