

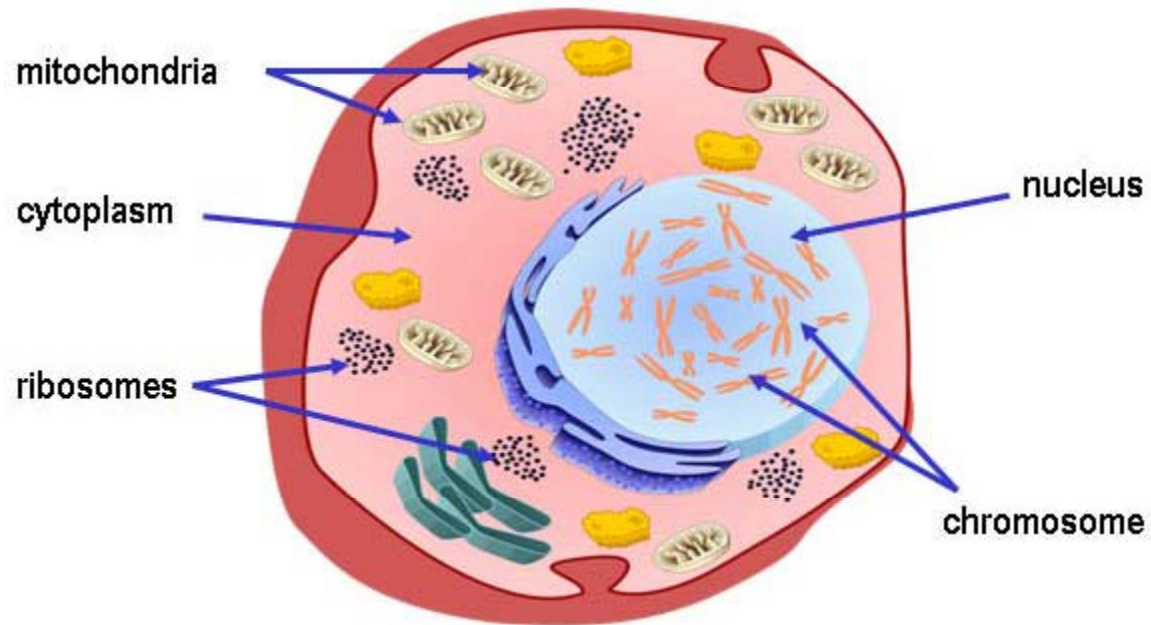
Introduction to YDNA

<http://www.rcasey.net/present>

By Robert Casey

February, 2019

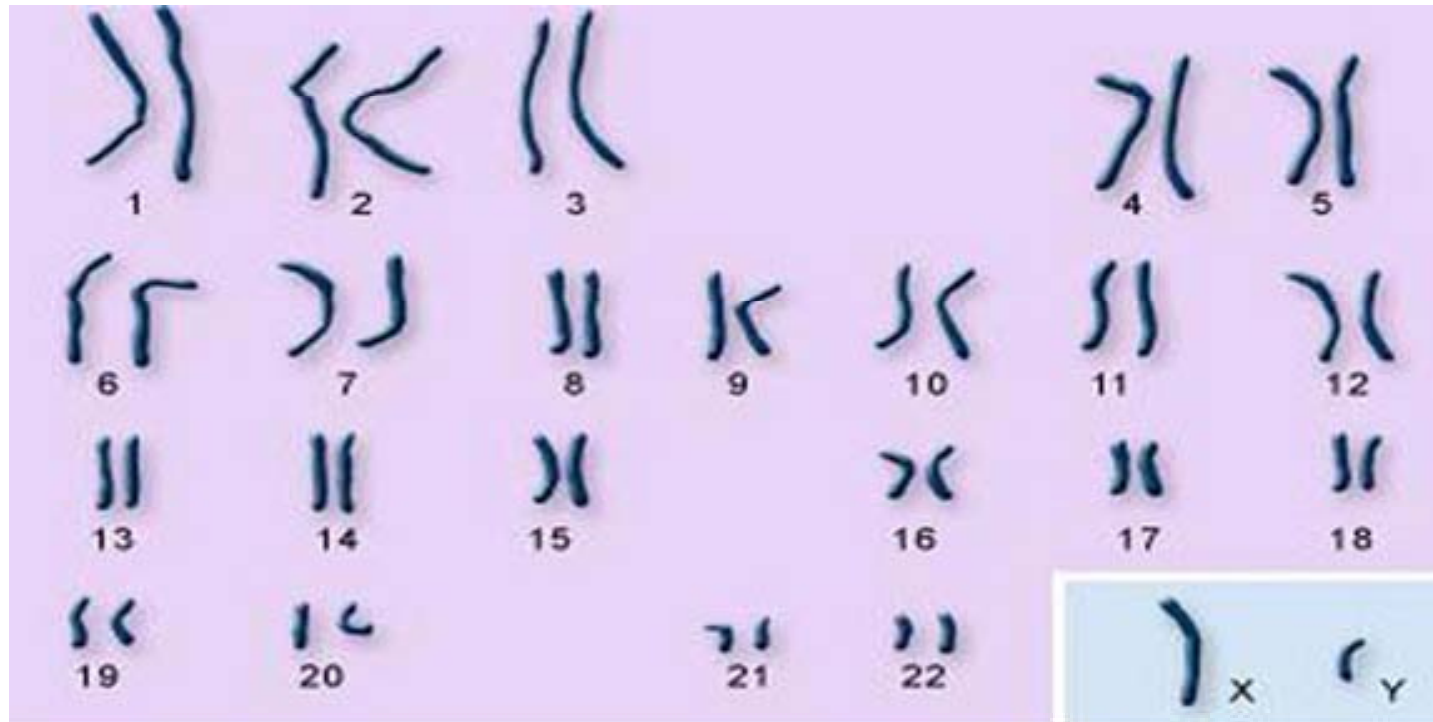
A little science behind DNA



mtDNA – covers one of your all female lines

mtDNA structure is very small and includes only 16,000 pieces of information vs. YDNA which includes 58,000,000 pieces of information (with around 10,000,000 to 20,000,000 being read today)

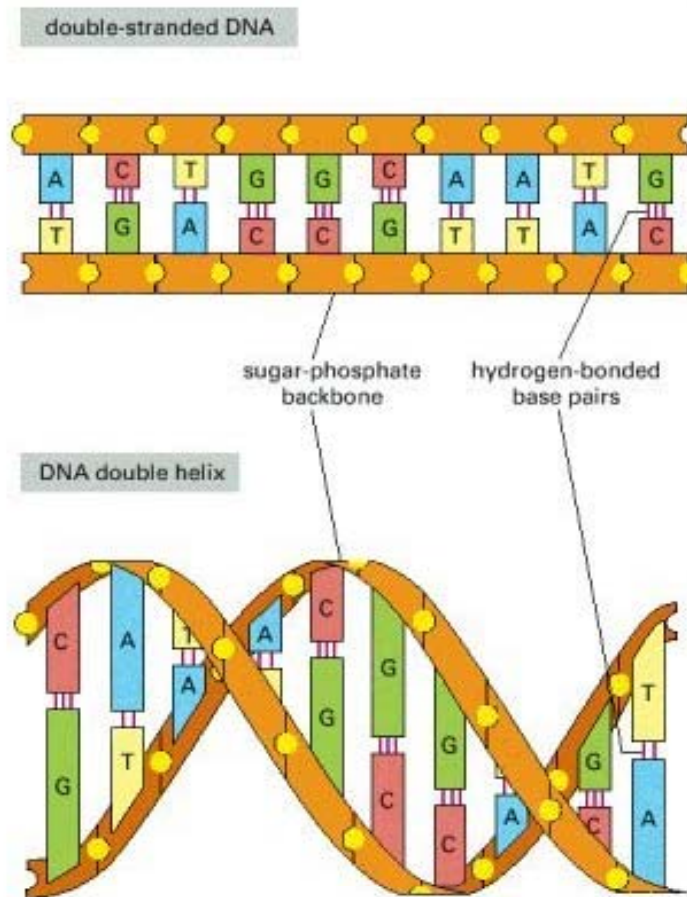
23 Chromosomes



atDNA – covers all lines but starts to omit random ancestors around five or six generations (includes some X content as well)

Excellent for recent brick walls and those with smaller pedigree charts

Looking for patterns in GATC



Spit into container



Swab inside cheek



Return vials in envelope



FamilyTreeDNA
Y-DNA test kit

Your Major YDNA vendors



YSTRs (12, 25, 37, 67 and 111)
Big Y (10M base pairs)
Y SNP packs
Individual YSNPs



Y Elite 2.1 (13M base pairs)
Chromium 2.1 (20M base pairs)
Whole Genome Sequence (several)



Individual YSNPs
Y SNP packs
Whole Genome Sequence
YSTR panels

Other YSNP Vendors



Living **DNA**
YOUR ANCESTRY

22.5K YSNPs



**NATIONAL
GEOGRAPHIC**

20.0K YSNPs

Britains  DNA

14.5K YSNPs



23andMe

2.3K YSNPs

 ancestryDNA

0.9K YSNPs

FTDNA Prices

- 37 markers - \$169 (sale \$95) – can not be predicted or charted – not recommended
- 67 markers - \$268 (sale \$161) – recommended
- 111 markers - \$359 (sale \$199)
- Y111 to Big Y700 (10M ?) - \$449 (sale \$314) – highly recommended
- L226 SNP Pack (most SNP packs) - \$119 (sale \$89) - recommended
- Individual SNP - \$39 (never on sale) – not recommended – YSEQ only \$18 (\$15 sale)

YSEQ Prices

- Individual YSNPs - \$18 (sale \$15) – highly recommended for private YSNP testing
- SNP Panels - \$99 – sometimes recommended
- 49 YSTRs - \$95 – not recommended
- 86 YSTRs - \$190 (49 + 37) – not recommended
- Whole Genomes (15X) - \$899 - maybe
- Whole Genomes includes mtDNA
- They charge \$5 for DNA collection kit

Full Genomes Corp.

- YElite 2.1 (13M) – \$450 – 30 % more than Big Y - highly recommended for recent YSNP branches and along the trunk of your haplotree
- Whole Genomes (20X) - \$575
- Whole Genomes - Long (20M) - \$2,900
- Whole Genomes includes mtDNA

Your 67 YSTR results



Y-DNA - Standard Y-STR Values

PANEL 1 (1-12)											
Marker	DYS393	DYS390	DYS19**	DYS391	DYS385	DYS426	DYS388	DYS439	DYS389I	DYS392	DYS389II***
Value	12	24	14	11	11-14	12	12	12	13	13	29

PANEL 2 (13-25)									
Marker	DYS458	DYS459	DYS455	DYS454	DYS447	DYS437	DYS448	DYS449	DYS464
Value	16	8-9	11	11	25	15	19	30	13-14-15-17

PANEL 3 (26-37)										
Marker	DYS460	Y-GATA-H4	YCAII	DYS456	DYS607	DYS576	DYS570	CDY	DYS442	DYS438
Value	13	11	19-23	15	15	18	17	37-38	12	12

PANEL 4 (38-47)									
Marker	DYS531	DYS578	DYF395S1	DYS590	DYS537	DYS641	DYS472	DYF406S1	DYS511
Value	11	9	15-16	8	10	10	8	10	10

PANEL 4 (48-60)												
Marker	DYS425	DYS413	DYS557	DYS594	DYS436	DYS490	DYS534	DYS450	DYS444	DYS481	DYS520	DYS446
Value	12	23-23	15	10	12	12	14	8	12	23	20	13

PANEL 4 (61-67)							
Marker	DYS617	DYS568	DYS487	DYS572	DYS640	DYS492	DYS565
Value	12	11	13	11	11	12	12

FTDNA YSTR Report

Y-STR	Name	Relationship	Country	Marker	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	14	19	27	13-13-15-17	11	11	19-23	15	14	18	18	35-40	12	12	11	9	15-16	8	10	10	10	12	2				
B3520	Timothy F Casey	Martin Casey	Ireland	R-DC50	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	14	19	27	13-13-15-17	11	11	19-23	15	14	18	18	35-40	12	12	11	9	15-16 <td>8</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>12</td> <td>2</td>	8	10	10	10	10	12	2			
R-L21 - L226+ & DC69+ Munster, Ireland Cluster (413a<=21, 534<=14), Recommend test DC69 YSNP																																															
5702	Johnny Casey	Casey	Ireland	R-M269	13	24	14	11	11-13	12	12	11	13	13	29	16	8-9	11	11	25	15	19	29	13-13-15-17																							
373282	William Francis Hogan	Thomas Casey, b. abt 1831 Ireland (son of Michael)	Ireland	R-DC377	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	27	13-13-15-16	11	11	19-23	15	15	17	17	37-37	12	12	11	9	15-16	8	10	10	10	10	12	2			
245778	Mr. Sean Michael Casey	Joseph P. Casey, b. 1866; James Casey, b. 1822	Ireland	R-M269	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	28	13-13-14-17	11	10	19-23	15	15	17	17	35-37	12	12	11	9	15-16	8	10	10	10	10	12	1			
53484	Mr. R Casey	Dennis Casey, 1825; James Casey 1803 - Sneem, Kerr	Ireland	R-M269	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	28	13-13-14-17	11	11	19-23	15	15	18	17	35-37	12	12	11	9	15-16	8	10	10	10	10	12	1			
56031	Mr. Lawrence King Casey Jr.	Daniel Casey, 1833-1936, Ballycarbery, Kerry, Ire	Ireland	R-DC69	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	28	13-13-15-17	11	11	19-21	15	15	18	17	33-37	12	12	11	9	15-16	8	10	10	10	10	12	2			
N146628	Sean Patrick Casey	John Casey, b. 1834, Killeacanty, count Galway	Ireland	R-DC69	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	29	13-13-15-15	11	11	19-23	15	15	17	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
N42374	Mr. Patrick J. Casey III	Anthony Casey b1817 Doon, Kilkenna, Clare	Ireland	R-M269	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	29	13-13-15-17	11	11	19-23	15	15	17	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
34073	Mr. Christopher Martin Casey	Michael Casey, b.c.1816 County Limerick, Ireland	Ireland	R-M269	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	25	15	19	29	13-13-15-17	11	11	19-23	15	15	18	17	36-39	12	12	11	9	15-16	8	10	10	10	10	12	2			
131349	John Casey	Elisha Casey, b. 1773, Laurens Co, SC	Ireland	R-DC69	13	24	14	11	11-14	12	12	11	13	13	29	17	8-9	11	11	26	15	19	28	13-13-14-17	11	11	19-23	15	15	17	17	35-37	12	12	11	9	15-16	8	10	10	10	10	12	1			
412309	Mr. Wayne Edward Casey	John Casey, b.1775	Ireland	R-DC69	13	24	14	11	11-14	12	12	11	13	13	29	18	8-9	11	11	25	15	19	30	13-13-15-17	11	11	19-23	15	15	18	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
N178591	Mr. Thomas Frederick O'Brien	Thomas O'Brien, 1765 -1849	United States	R-DC69	13	24	14	11	11-14	12	12	12	13	13	29	16	8-9	11	11	24	15	19	29	13-13-15-17	11	11	19-23	15	15	17	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
277927	D. Casey	Roger CASEY, 1646-1715	Ireland	R-DC69	13	24	14	11	11-14	12	12	12	13	13	29	16	8-9	11	11	25	15	19	29	13-13-15-17	11	11	19-25	15	15	17	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
190465	Mr. Andrew Brian Reitemeyer	Patrick Casey (ca 1850 - 1910)	Ireland	R-L226	13	24	14	11	11-14	12	12	12	13	13	29	17	8-9	11	11	25	15	19	29	13-13-15-17	11	11	19-23	15	15	18	17	36-39	12	12	11	9	15-16	8	10	10	10	10	12	2			
R-L21 - L226+ & FGC5647+ South Carolina Cluster (393<=12, 458<=16, 449>=30, 464b>=14, 460>=12, 534<=14, 481>=23) Recommend test FGC5639 YSNP																																															
93773	Curtis Wayne Casey	John Casey, b. 1782, d. 1856	Ireland	R-M269	12	24	14	10	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
99381	D. D. Casey	Levi Casey	Ireland	R-M269	12	24	14	10	11-15	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	11	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
172505	George Randolph Casey	Randolph Casey, b. 1738	Ireland	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	24	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	36-37	12	12	11	9	15-16	8	10	10	10	10	12	2			
B3986	Dr. Farrell Kersey	William Kersey, b. 1722 and d. 1764	United States	R-FGC5647	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	14	19	30	13-13-15-17	11	11	19-23	15	15	18	17	36-40	13	12	11	9	15-16	8	10	10	10	10	12	2			
206305	Mr. Robert Franklin Casey III	Casey	Unknown Origin	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	29	13-14-16-17	12	11	19-23	15	15	18	17	37-38	12	12													
B89528	Chad Casey	Dempsey Casey Sr, b. 1762 and d. 1814	United States	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-13-13-15	11	11	19-23	15	15	18	17	36-40	12	12	11	9	15-16	8	10	10	10	10	12	2			
166618	John Daniel Casey	James G. Casey, b. 1808, TN	Unknown Origin	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	36-38	12	12													
379785	Montana Casey	Love Casey, b. 1823 and d. 1890	Ireland	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
119506	Allen Haskell Casey	Moses Casey, r. SC	Ireland	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	10	0-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	10	17	37-30	12	12	11	9	15-16	0	10	10	10	10	12	2			
58301	Arvel Lee Casey	Henson Casey, b. 1834, Roane Co, TN	Ireland	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
56130	Timothy Kevin Casey	John Casey b SC d 1849 L	Ireland	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
112849	Mr. Gordon L. Meredith	John Meredith, Virginia b. 1806 d. 1884	United Kingdom	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	17	37-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
844322	Jacob Frederic Casey	Frank Casey	Unknown Origin	R-M269	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	12	11	19-23	15	15	18	18	36-37	12	12	11	9	15-16	8	10	10	10	10	12	2			
107623	Mike Casey	Abner Casey, b. 11 July 1786, Spartanburg, SC	Ireland	R-L226	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	13	11	19-23	15	15	18	17	36-38	12	12	11	9	15-16	8	10	10	10	10	12	2			
77349	Robert Brooks Casey	Ambler Casey, b. 1790, South Carolina	United States	R-FGC5639	12	24	14	11	11-14	12	12	11	13	13	29	16	8-9	11	11	25	15	19	30	13-14-15-17	13	11	19-23	15	15	18	17	37-37	12	12	11	9	15-16	8	10	10	10	10	12	2			
56874	Mark Wayne Casey	Jesse E. Casey, b. 1797, Georgia, died 1863 Ark	Unknown Origin	R-M269	12	24																																									

Y SNP Report

539983	Casey (c/o cousin Stephanie Johnson)	Hilliard John Casey, b. 1813 (SC) and d. 1870 (MS)	R-FGC5639	FGC5626+, FGC5627+, FGC5628+, FGC5632+, FGC5638+, FGC5639+, FGC5641+, FGC5642+, FGC5645+, FGC5647+, FGC5650+, FGC5654+, FGC5655+, FGC5656+, FGC5659+, FGC5660+, Z231_1+, Z234_1+, Z235_1+, Y5610-, YFS231286-, DC197-, DC198-, DC199-, DC201-, DC205-, DC209-, DC214-, DC227-, DC235-, BY1092-, BY4091-, BY4092-, BY4100-, BY4102-, BY5212-, DC1-, DC10-, DC106-, DC11-, DC115-, DC12-, DC126-, DC135-, DC147-, DC15-, DC153-, DC160-, DC172-, DC175-, DC180-, DC187-, DC189-, DC199-, DC246-, DC249-, DC25-, DC251-, DC26-, DC269-, DC275-, DC278-, DC280-, DC284-, DC29-, DC292-, DC297-, DC30-, DC31-, DC310-, DC311-, DC313-, DC315-, DC317-, DC318-, DC35-, DC36-, DC38-, DC39-, DC40-, DC41-, DC42-, DC43-, DC44-, DC45-, DC46-, DC47-, DC48-, DC49-, DC50-, DC51-, DC52-, DC53-, DC54-, DC55-, DC62-, DC63-, DC64-, DC65-, DC69-, DC70-, DC8-, DC80-, DC9-, DC93-, FGC12290-, FGC12292-, FGC12295-, FGC12296-, FGC12297-, FGC12298-, FGC12302-, FGC13418-, FGC5618-, DC302+, DC191-, DC24+, L226*
51924	Casey	Pleasant Casey, b. 1810, Roane Co., TN	R-FGC5639	FGC5639+
77349	Casey	Ambler Casey, b. 1790, South Carolina	R-FGC5639	Z2534+, CTS10168+, CTS10362+, CTS10834+, CTS109+, CTS11358+, CTS11575+, CTS11726+, CTS11985+, CTS12478+, CTS125+, CTS12632+, CTS1996+, CTS2134+, CTS2664+, CTS3063+, CTS3135+, CTS3331+, CTS3358+, CTS3431+, CTS3536+, CTS3575+, CTS3654+, CTS3662+, CTS3668+, CTS3996+, CTS4244+, CTS4364+, CTS4368+, CTS4437+, CTS4443+, CTS4740+, CTS5318+, CTS5457+, CTS5532+, CTS5884+, CTS6135+, CTS623+, CTS6383+, CTS6800+, CTS6907+, CTS7922+, CTS7933+, CTS8243+, CTS8728+, CTS8980-, F1046+, F115+, F1209+, F1302+, F1320+, F1329+, F1704+, F1714+, F1753+, F1767+, F1794+, F180+, F2048+, F2075+, F211+, F2142+, F2155+, F2302+, F2402+, F2587+, F2688+, F2710+, F2837+, F29-, F295+, F2985+, F2993+, F3111+, F313+, F3136+, F33+, F332+, F3335+, F344+, F3566+, F356+, F359+, F3692+, F378+, F4+, F47+, F506+, F556+, F63+, F640+, F647+, F652+, F671+, F719+, F82+, F83+, F93+, L11+, L12+, L15+, L150+, L151+, L16+, L21+, L226+, L23+, L265+, L278+, L350+, L388+, L389+, L407+, L468+, L470+, L478+, L482+, L483+, L498+, L500+, L502+, L506+, L51+, L52+, L585+, L721+, L747+, L752+, L754+, L761+, L768+, L773+, L774+, L779+, L82+, M139+, M168+, M207+, M235+, M294+, M343+, M415+, M42+, M45+, M526+, M89+, M94+, P128+, P131+, P132+, P135+, P136+, P138+, P14+, P141+, P145+, P146+, P148+, P151+, P158+, P159+, P160+, P166+, P178+, P207+, P225+, P226+, P228+, P229+, P230+, P232+, P233+, P235+, P236+, P237+, P238+, P240+, P242+, P243+, P244+, P280+, P281+, P282+, P283+, P284+, P285+, P286+, P295+, P297+, P310+, PAGE500083+, PF1016+, PF1029+, PF1031+, PF1040+, PF1046+, PF1061+, PF1092+, PF1097+, PF110+, PF1203+, PF1269+, PF1276+, PF192+, PF210+, PF212+, PF223+, PF234+, PF258+, PF2591+, PF2599+, PF2599+, PF2608+, PF2611+, PF2615+, PF2624+, PF263+, PF2643+, PF272+, PF2745+, PF2748+, PF2749+, PF2770+, PF278+, PF292+, PF316+, PF325+, PF342+, PF500+, PF5465+, PF5466+, PF5468+, PF5471+, PF5851+, PF5853+, PF5854+, PF5865+, PF5866+, PF5871+, PF5882+, PF5884+, PF5887+, PF5888+, PF5953+, PF5956+, PF5957+, PF5964+, PF5965+, PF5982+, PF6063+, PF6091+, PF6145+, PF6246+, PF6249+, PF6250+, PF6263+, PF6265+, PF6270+, PF6271+, PF6272+, PF6404+, PF6409+, PF6411+, PF6424+, PF6425+, PF6430+, PF6432+, PF6434+, PF6438+, PF6443+, PF6463+, PF6464+, PF6469+, PF6470+, PF6477+, PF6479+, PF6494+, PF6495+, PF6498+, PF6500+, PF6506+, PF6507+, PF6509+, PF6520+, PF6524+, PF687+, PF719+, PF725+, PF779+, PF796+, PF803+, PF815+, PF821+, PF840+, PF844+, PF892+, PF937+, PF951+, PF954+, PF970+, s10+, s3+, V186-, V189-, V205+, V52+, V9+, YSC0000067+, YSC0000072+, YSC0000075+, YSC0000082+, YSC0000166+, YSC0000178+, YSC0000179+, YSC0000182+, YSC0000186+, YSC0000191+, YSC0000194+, YSC0000201+, YSC0000203+, YSC0000205+, YSC0000207+, YSC0000213+, YSC0000219+, YSC0000224+, YSC0000225+, YSC0000227+, YSC0000230+, YSC0000232+, YSC0000233+, YSC0000251+, YSC0000289+, YSC0000270+, YSC0000289+, YSC0000289+, YSC0000294+, Z253+, Z290+, FGC5628+, FGC5626+, FGC5627+, FGC5628+, FGC5632+, FGC5638+, FGC5639+, FGC5641+, FGC5642+, FGC5645+, FGC5647+, FGC5650+, FGC5654+, FGC5655+, FGC5656+, FGC5659+, FGC5660+, L226+, L49+, L21+, L226+, Z253+, Z231_1+, Z234_1+, Z235_1+, L20-, Z2184-, Z2185-, DF73-, L1308-, DF21-, L4-, M222-, M37-, P86-, Y5610-, YFS231286-, DC246-, DC249-, DC25-, DC251-, DC26-, DC269-, DC275-, DC278-, DC280-, DC284-, DC29-, DC291-, DC292-, DC297-, DC30-, DC31-, DC310-, DC311-, DC313-, DC315-, DC317-, DC318-, DC35-, DC36-, DC38-, DC39-, DC40-, DC41-, DC42-, DC43-, DC44-, DC45-, DC46-, DC47-, DC48-, DC49-, DC50-, DC51-, DC52-, DC53-, DC54-, DC55-, DC62-, DC63-, DC64-, DC65-, DC69-, DC70-, DC8-, DC80-, DC9-, DC93-, FGC12290-, FGC12292-, FGC12295-, FGC12296-, FGC12297-, FGC12298-, FGC12302-, FGC13418-, DC1-, FGC5618-, DC24+, DC302*
B3986	Kersey	William Kersey, b. 1722 and d. 1764	R-FGC5647	L226+, FGC5647+, FGC5650+, FGC5654+, FGC5655+, FGC5656+, FGC5659+, FGC5660+, L226+, FGC5626+, FGC5627+, FGC5628+, FGC5632+, FGC5638+, FGC5641+, FGC5642+, Z231_1+, Z234_1+, Z235_1+, FGC5645+, FGC5639+, Y5610-, YFS231286-, DC246-, DC249-, DC25-, DC251-, DC26-, DC269-, DC275-, DC278-, DC280-, DC284-, DC29-, DC291-, DC292-, DC297-, DC30-, DC31-, DC310-, DC311-, DC313-, DC315-, DC317-, DC318-, DC35-, DC36-, BY1092-, BY4091-, BY4092-, BY4100-, BY4102-, BY5212-, DC1-, DC10-, DC106-, DC11-, DC115-, DC12-, DC126-, DC135-, DC147-, DC15-, DC153-, DC160-, DC172-, DC175-, DC180-, DC187-, DC189-, DC19-, DC191-, DC197-, DC198-, DC199-, DC201-, DC205-, DC209-, DC214-, DC227-, DC235-, DC31-, DC310-, DC311-, DC313-, DC315-, DC317-, DC318-, DC35-, DC36-, DC38-, DC39-, DC40-, DC41-, DC42-, DC43-, DC44-, DC45-, DC46-, DC47-, DC48-, DC49-, DC50-, DC51-, DC52-, DC53-, DC54-, DC55-, DC62-, DC63-, DC64-, DC65-, DC69-, DC70-, DC8-, DC80-, DC9-, DC93-, FGC12290-, FGC12292-, FGC12295-, FGC12296-, FGC12297-, FGC12298-, FGC12302-, FGC13418-, FGC5618-, DC24+, DC302*
N232997	Casey		R-L226	BY1142+, BY1357+, BY136_FGC19909_Z18229+, BY20+, BY2510+, BY65_Z18181+, BY763+, BY876+, CTS10188+, CTS10229+, CTS103+, CTS10300+, CTS10428+, CTS10433+, CTS10448+, CTS10552+, CTS10572+, CTS10615+, CTS10648+, CTS1066+, CTS10723+, CTS10745+, CTS10761+, CTS10821+, CTS11012+, CTS11041+, CTS11071+, CTS11088+, CTS11126+, CTS11148+, CTS11190+, CTS11261+, CTS11354+, CTS1141+, CTS11530+, CTS1164+, CTS11651+, CTS11731+, CTS11759+, CTS11816+, CTS11949+, CTS11985+, CTS1216+, CTS1216+, CTS12578+, CTS12856+, CTS12933+, CTS12934+, CTS12948+, CTS12950+, CTS1340+, CTS1353+, CTS1358+, CTS1806+, CTS202+, CTS210+, CTS2275+, CTS2289+, CTS2670+, CTS305+, CTS316+, CTS3202+, CTS3268+, CTS3366+, CTS3403+, CTS3466+, CTS347+, CTS3475+, CTS3519+, CTS352+, CTS3543+, CTS3654+, CTS3700+, CTS3802+, CTS3868-, CTS4053+, CTS4086+, CTS4094+, CTS4178+, CTS4209+, CTS4235+, CTS4326+, CTS4443+, CTS4463+, CTS4643+, CTS4715+, CTS4853+, CTS5052+, CTS5152+, CTS5156+, CTS5304+, CTS5334+, CTS5359+, CTS5370+, CTS585+, CTS5860-, CTS5933+, CTS5939+, CTS597+, CTS6062+, CTS6063+, CTS6117-, CTS6285+, CTS6352+, CTS636+, CTS6438+, CTS6447+, CTS6449+, CTS6468+, CTS6481+, CTS656-, CTS6704+, CTS6848+, CTS687+, CTS68918+, CTS6967+, CTS7022-, CTS7147+, CTS7277+, CTS7266+, CTS7275-, CTS7279+, CTS730+, CTS7317+, CTS7451+, CTS7611+, CTS7626+, CTS7810+, CTS7929+, CTS8126+, CTS8203-, CTS8216-, CTS8300-, CTS8440-, CTS860-, CTS8646-, CTS8816-, CTS9025-, CTS9027-, CTS9071-, CTS90610-, CTS90625-, CTS907-, CTS9094-, CTS9096-, CTS9097+, CTS9975-, DF109_FGC4101_S660_Y2845-, F1013+, F1024+, F1055+, F1127+, F115+, F1207+, F1291+, F1302+, F1329+, F1412+, F1442+, F1540+, F1567+, F1703+, F1704+, F1753+, F1712+, F1714+, F1767+, F1786+, F1848+, F1874+, F1899-, F1924+, F1946+, F1956+, F2018+, F2048+, F2142+, F2155+, F2165+, F2224+, F2236+, F2304+, F2370+, F2402+, F2516+, F2556+, F2587+, F2654+, F2688+, F2724+, F2742+, F2753+, F2876+, F2837+, F2873+, F2947+, F2961+, F2990-, F3048+, F3056+, F3111+, F3136+, F3195_FG1806+, F3195+, F3368_FG3566+, F3402_FG3567+, F3422+, F3444+, F3491+, F3556+, F3625+, F3692+, F3697+, F371+, F3735+, F3806+, F3869+, F3892+, F3949-, F3956+, F3994+, F4003+, F4042+, F4111+, F4176-, F4188-, F4339+, F4244+, F4257+, F4262+, F4338+, F47+, F492+, F526+, F557+, F565+, F646+, F716-, F719+, F736-, F741+, F836+, F837+, F862+, F995+, FGC11678+, FGC11897_YP327+, FGC16683_Y5619+, FGC17172_Y5322+, FGC20866_ZS2566+, FGC20874_ZS2572+, FGC22639_YF566+, FGC29572+, FGC5632+, FGC6948_Y2703+, FGC69507_K257+, K366+, L1186-, L132+, L15-, L16-, L21+, L226+, L23+, L253+, L294+, L325+, L440+, L442+, L483+, L484+, L492+, L502+, L503+, L51-, L52+, L556-, L747+, L762+, L782+, L817-, L840-, L89-, M116-, M129+, M139+, M171+, M207+, M238+, M251+, M262-, M275+, M280-, M39+, M45+, M526+, M89+, M94+, M9574+, M9588+, M9749+, N4+, P102-, P108-, P109-, P117+, P118-, P128-, P131+, P132-, P135-, P136+, P141+, P145+, P148+, P151+, P159-, P160-, P166+, P225+, P230+, P232-, P233+, P237-, P268-, P269+, P289+, P295+, P305+, P310-, P52-, P59-, P84+, P91+, PAGE500048+, PAGE500081+, PAGE500101+, PAGE500105-, PF1015+, PF1026+, PF1031+, PF1031+, PF1085+, PF1097+, PF1147+, PF1152+, PF1164+, PF1169+, PF1218-, PF1232+, PF1252+, PF1269+, PF1270+, PF1368+, PF147+, PF1577+, PF1587+, PF22-, PF228+, PF2334+, PF2481+, PF2495+, PF2579+, PF2593+, PF2611+, PF2624+, PF2635+, PF2643+, PF2745+, PF276-, PF278+, PF288+, PF293+, PF302+, PF3051+, PF3086+, PF3107+, PF3220+, PF328+, PF3293+, PF3823+, PF3890-, PF3964+, PF3986-, PF4105+, PF4246+, PF4533-, PF4573+, PF4576+, PF4599-, PF4647-, PF4720-, PF4879-, PF4957-, PF5014+, PF5122-, PF535-, PF5735-, PF5787-, PF5797-, PF5889-, PF601+, PF6145+, PF626+, PF6285+, PF6271+, PF6275+, PF6288+, PF6300+, PF6314+, PF6369-, PF644-, PF6445-, PF6496+, PF6673-, PF6679+, PF668+, PF671+, PF676+, PF6884+, PF696+, PF700-, PF7067+, PF7328-, PF7341+, PF7374+, PF7527+, PF7557-, PF794-, PF806+, PF829+, PF869-, PF907-, PF93+, PF946-, PF966-, PF968-, PF971+, PF997-, PK1-, PR805+, rs12116413+, rs1276034+, rs16980499+, rs17250121+, rs17307070+, rs17842387-, rs20326852+, rs20756440-, rs228609124+, rs35249440-, rs35407486-, rs3853054-, rs7067237-, rs7067485+, rs7892824+, rs7893044+, rs877756-, rs895630+, rs9306845-, rs9306848+, rs9785670+, rs9785716+, rs9785717+, rs9785740+, rs9785811+, rs9785846+, rs9785853+, rs9785905+, rs9785953+, rs9785994+, rs9786043+, rs9786082+, rs9786139+, rs9786148+, rs9786181+, rs9786207+, rs9786247+, rs9786293+, rs9786325+, rs9786439+, rs9786443+, rs9786714+, rs9786770+, s3+, S123+, SK1247_Y4915+, SK1410_ZS20169+, V187+, V205-, V21+, V216+, V221+, V227+, V250-, V259-, V79+, V1049+, Y1083+, Y1113+, Y1122-, Y32+, Y4864_Z16422+, Y5305_Z16500+, Y5759_Z16420+, Y763+, YP321+, YSC0000075+, YSC0000082+, YSC0000150+, YSC0000186+, YSC0000191+, YSC0000216+, YSC0000224+, YSC0000225+, YSC0000269+, YSC0000288+, YSC0001071+, Z11180+, Z1149-, Z1456+, Z1476+, Z1483+, Z1504+, Z1516+, Z1589+, Z1593+, Z1616+, Z17139+, Z17153+, Z18133+, Z18140+, Z1835+, Z1975+, Z253+, Z2534+, Z290+, Z315+, Z3723+, Z39+, Z477+, Z625+, Z767-, Z966-, ZS1172+

Your Personal YSNP Haplotree

FGC5628	R-FGC5628
FGC5659	R-FGC5659
BY4103	R-BY4103
DC41 More...	R-DC41
DC278	R-DC278
DC280	R-DC280
DC269	R-DC269
DC275	R-DC275
ZZ34_1 More...	R-ZZ34_1
DC33 More...	R-DC33
DC35 More...	R-DC35
DC297	R-DC297
DC302 *	R-DC302
DC317	R-DC317
DC38 More...	R-DC38
DC46 More...	R-DC46
DC292	R-DC292
DC294	R-DC294
DC284	R-DC284
DC291	R-DC291
Y5610	R-Y5610
DC1 More...	R-DC1
YFS231286	R-YFS231286
BY4092 More...	R-BY4092
BY5212	R-BY5212
DC311	R-DC311
FGC13418	R-FGC13418
DC310	R-DC310
DC12 More...	R-DC12
FGC5647 More...	R-FGC5647

Why YDNA Testing ?

- Break through brick walls over 200 years ago
- Can reveal a lot of NPEs (non paternal events)
- Routinely are discovering both genealogical YSNP and YSTR branches via charting
- Can now chart 91 % of L226 YDNA with 67 markers with significant YSNP testing
- Unbelievable future impact – eventually will have YDNA signatures for most of our ancestors on our pedigree charts

YDNA testing reveals NPE Surnames

- Butler tester joined the Brooks project since her male ancestor was a close genetic match to Brooks testers
- Requested my assistance since I am a project co-admin for the Brooks project
- Butler was the mother's surname and it was known that this was a child born out of wedlock in the 1850s – surname of father was unknown
- The YSTR signature actually was a better match to a Bradberry tester who married the mother's sister and was listed a few households away in the 1860 census
- The conclusion is that the father of Butler boy is likely a Bradberry – but it could be one of many Bradberry males living / visiting in the area – but surname is now known

Descendants of King Brian Boru



- Titled descendant of Brian Boru (Chief of the O'Brien clan with 1,000 years of solid genealogy – Sir Conor O'Brien tested)
- DC782 & DC291 confirm descendant of Brian Boru
- 19 genealogical YSNP branches discovered and 27 YSTR branches discovered – total of 46 branches
- 85 testers at 67 marker or more markers (64 % are O'Brien variants)

Brian Boru Analysis

- 30 Big Y tests, 12 L226/Z253 SNP packs, 11 individual YSNP tests (both FTDNA & YSEQ) and 30 are predicted via YSTR signatures
- Over 15 other O'Brien genetic clusters under L226 that are not related in the last 1,000 years (these people are not real happy)
- New major branch, DC782 (and smaller branch DC291), were recently added as older branches of Brian Boru (30 % increase in size)

Question & Answers

- Time for ten or fifteen minutes for a break
- Five or ten minutes of questions
- Five or ten minutes to get up and walk around and stretch your legs
- Then on to YDNA Analysis tools